

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051019\
 Data File : VX009511.D
 Acq On : 11 May 2019 03:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 11 03:35:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	153616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	251460	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	104795	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	5.50	113	78188	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
50) Toluene-d8	8.71	98	310903	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.13	95	114725	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67982	48.024	ug/l	100
3) Chloromethane	1.32	50	99996	51.740	ug/l	99
4) Vinyl Chloride	1.41	62	101036	53.612	ug/l	97
5) Bromomethane	1.64	94	57565	50.891	ug/l	98
6) Chloroethane	1.71	64	63553	52.524	ug/l	99
7) Trichlorofluoromethane	1.92	101	123442	53.886	ug/l	99
8) Diethyl Ether	2.19	74	57933	53.389	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74277	51.633	ug/l	99
10) Methyl Iodide	2.51	142	92979	55.111	ug/l	99
11) Tert butyl alcohol	3.05	59	134210	276.486	ug/l	100
12) 1,1-Dichloroethene	2.37	96	77826	53.995	ug/l	99
13) Acrolein	2.29	56	112685	256.332	ug/l	100
14) Allyl chloride	2.73	41	180163	51.290	ug/l	100
15) Acrylonitrile	3.14	53	320729	270.230	ug/l	99
16) Acetone	2.45	43	279425	248.151	ug/l	97
17) Carbon Disulfide	2.57	76	220597	54.513	ug/l	100
18) Methyl Acetate	2.77	43	138937	51.882	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	301788	53.918	ug/l	99
20) Methylene Chloride	2.85	84	95612	52.442	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	83269	53.270	ug/l	98
22) Diisopropyl ether	3.85	45	365220	54.065	ug/l	98
23) Vinyl Acetate	3.81	43	1627312	281.322	ug/l	100
24) 1,1-Dichloroethane	3.70	63	176157	52.862	ug/l	99
25) 2-Butanone	4.67	43	474705	271.289	ug/l	100
26) 2,2-Dichloropropane	4.59	77	93458	37.678	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	100624	53.931	ug/l	95
28) Bromochloromethane	5.02	49	66628	49.649	ug/l	98
29) Tetrahydrofuran	5.13	42	318857	283.177	ug/l	99
30) Chloroform	5.21	83	163904	54.382	ug/l	100
31) Cyclohexane	5.58	56	169625	54.712	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	134999	53.807	ug/l	99
36) 1,1-Dichloropropene	5.80	75	122776	52.539	ug/l	99
37) Ethyl Acetate	4.84	43	180640	55.480	ug/l	99
38) Carbon Tetrachloride	5.78	117	113144	53.290	ug/l	96

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 ClientSampleID :
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Quant Time: May 11 03:35:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	148506	51.747	ug/l	98
40) Benzene	6.14	78	387333	53.557	ug/l	99
41) Methacrylonitrile	5.04	41	103728	53.519	ug/l	100
42) 1,2-Dichloroethane	6.19	62	139664	53.835	ug/l	100
43) Isopropyl Acetate	6.45	43	283682	54.470	ug/l	100
44) Trichloroethene	7.21	130	90720	51.888	ug/l	98
45) 1,2-Dichloropropane	7.51	63	108909	53.182	ug/l	97
46) Dibromomethane	7.66	93	62970	52.952	ug/l	98
47) Bromodichloromethane	7.90	83	126523	53.337	ug/l	99
48) Methyl methacrylate	7.77	41	144465	55.911	ug/l	98
49) 1,4-Dioxane	7.74	88	56450	1077.296	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	952161	279.712	ug/l	99
52) Toluene	8.79	92	234537	53.350	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	138497	51.713	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	155916	52.597	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	95853	53.443	ug/l	97
56) Ethyl methacrylate	9.18	69	175105	54.694	ug/l	99
57) 1,3-Dichloropropane	9.37	76	168202	53.293	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	413536	243.483	ug/l	100
59) 2-Hexanone	9.49	43	741660	277.410	ug/l	100
60) Dibromochloromethane	9.58	129	95999	54.803	ug/l	99
61) 1,2-Dibromoethane	9.67	107	98645	54.486	ug/l	100
64) Tetrachloroethene	9.34	164	86260	55.119	ug/l	99
65) Chlorobenzene	10.13	112	243184	53.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	89442	54.056	ug/l	100
67) Ethyl Benzene	10.25	91	451549	53.759	ug/l	100
68) m/p-Xylenes	10.36	106	330155	107.563	ug/l	97
69) o-Xylene	10.69	106	163008	53.826	ug/l	100
70) Styrene	10.71	104	287664	54.651	ug/l	100
71) Bromoform	10.85	173	73889	54.951	ug/l	# 100
73) Isopropylbenzene	11.02	105	428941	51.647	ug/l	99
74) N-amyl acetate	10.90	43	262678	54.250	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	163466	52.798	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	185985	70.203	ug/l	82
77) Bromobenzene	11.26	156	107764	52.277	ug/l	100
78) n-propylbenzene	11.36	91	493032	51.980	ug/l	99
79) 2-Chlorotoluene	11.42	91	296650	50.694	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	365278	52.235	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	49629	47.931	ug/l	97
82) 4-Chlorotoluene	11.51	91	342197	51.763	ug/l	100
83) tert-Butylbenzene	11.77	119	351624	51.688	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	369902	52.698	ug/l	99
85) sec-Butylbenzene	11.94	105	418151	51.846	ug/l	100
86) p-Isopropyltoluene	12.06	119	379934	52.401	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	190401	51.812	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	192002	51.824	ug/l	99
89) n-Butylbenzene	12.38	91	334187	50.995	ug/l	100
90) Hexachloroethane	12.59	117	64196	51.970	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	195533	52.240	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36741	52.900	ug/l	99

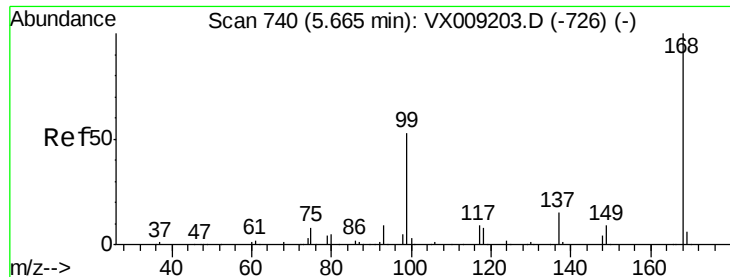
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
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Acq On : 11 May 2019 03:04
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	134454	52.530	ug/l	99
94) Hexachlorobutadiene	13.78	225	66958	51.228	ug/l	99
95) Naphthalene	13.83	128	446185	53.581	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	137738	53.088	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

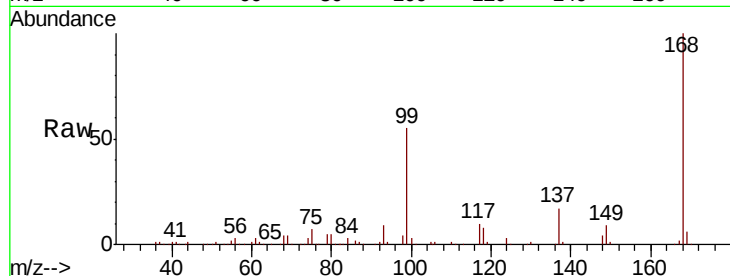
VSTDCCC050EC

Tot Ion:168 Resp: 153616

Ion Ratio Lower Upper

168 100

99 54.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009511.D (-691) (-)

Ion 98.90 (98.60 to 99.60): VX009511.D (-691) (-)

5.66

60000

50000

40000

30000

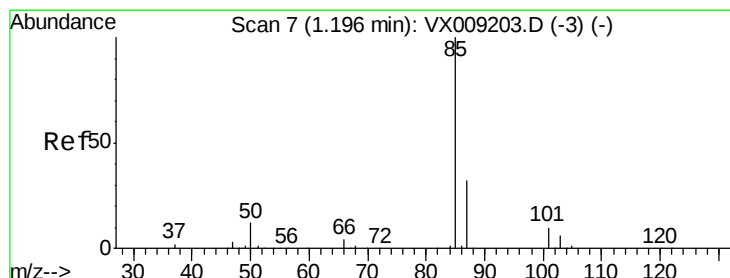
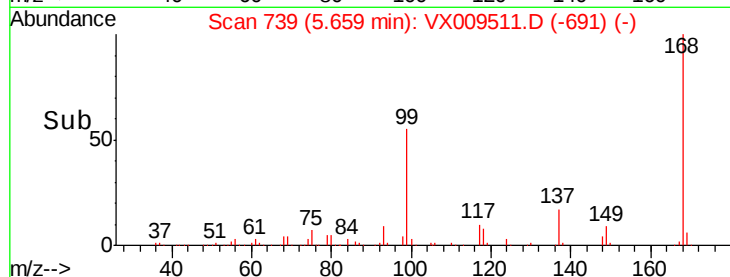
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.024 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009511.D

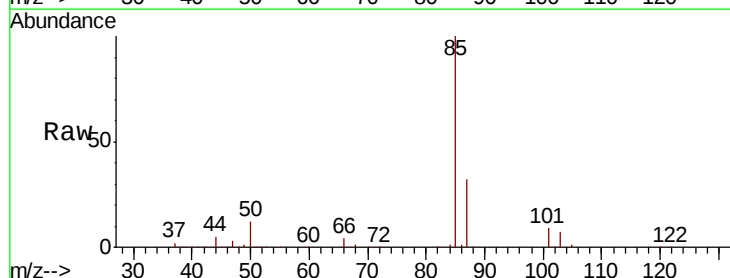
Acq: 11 May 2019 03:04

Tgt Ion: 85 Resp: 67982

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX009511.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VX009511.D (-1) (-)

1.20

60000

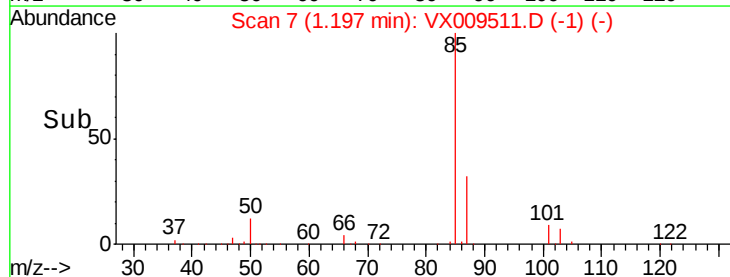
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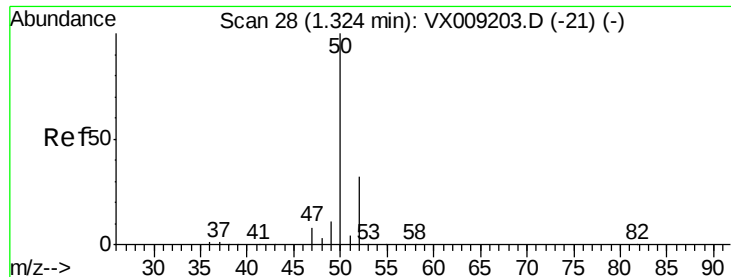
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 51.740 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

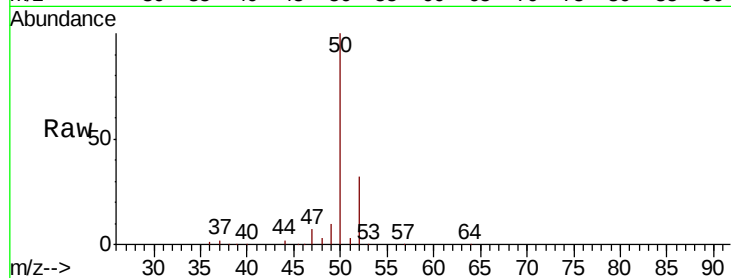
VSTDCCC050EC

Tot Ion: 50 Resp: 99996

Ion Ratio Lower Upper

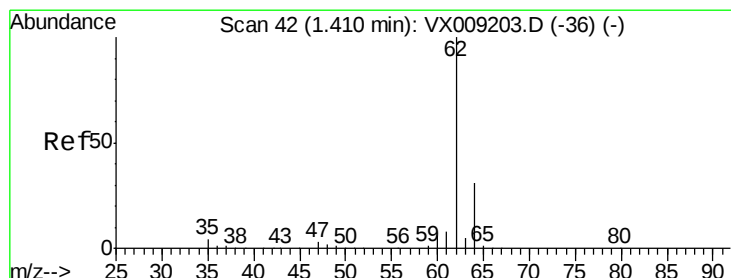
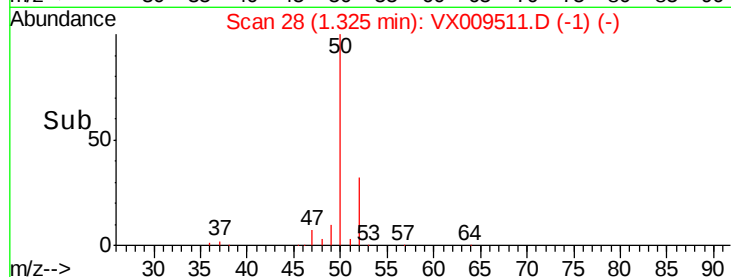
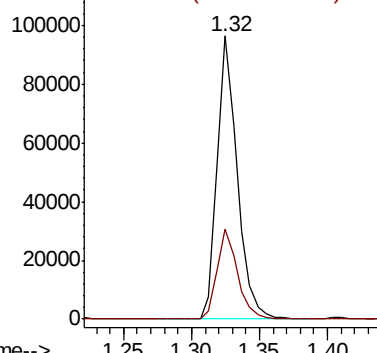
50 100

52 31.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.612 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009511.D

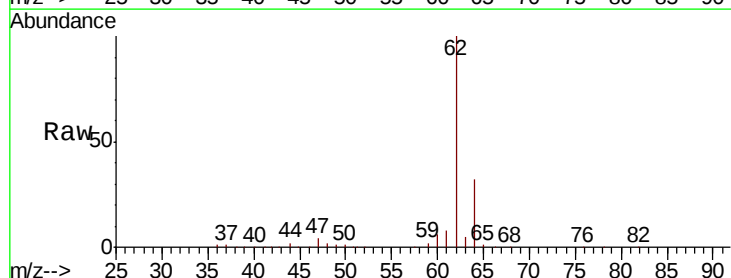
Acq: 11 May 2019 03:04

Tgt Ion: 62 Resp: 101036

Ion Ratio Lower Upper

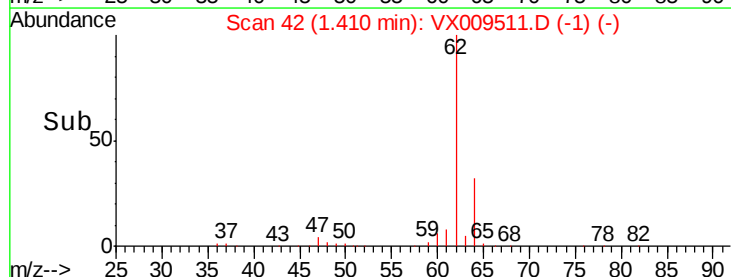
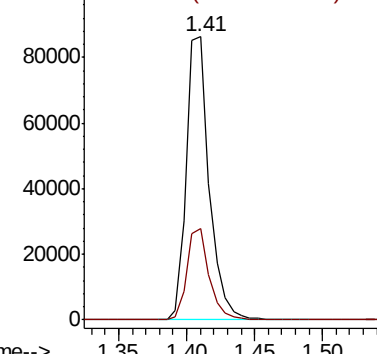
62 100

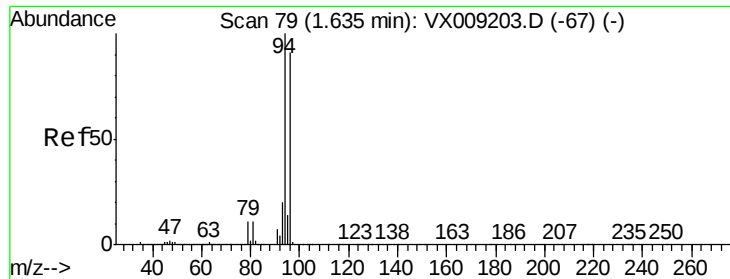
64 32.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 50.891 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

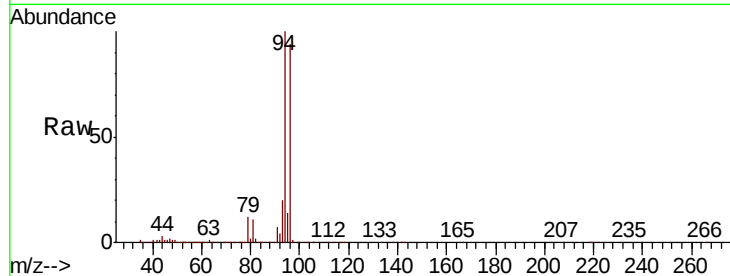
VSTDCCC050EC

Tot Ion: 94 Resp: 57565

Ion Ratio Lower Upper

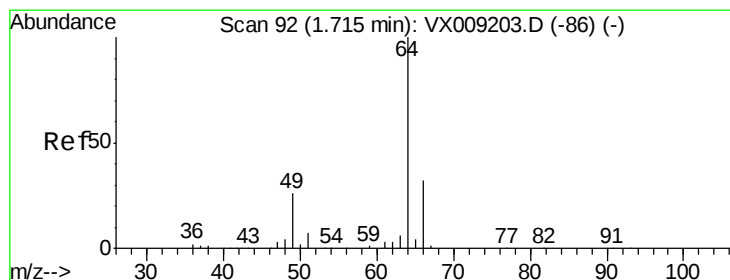
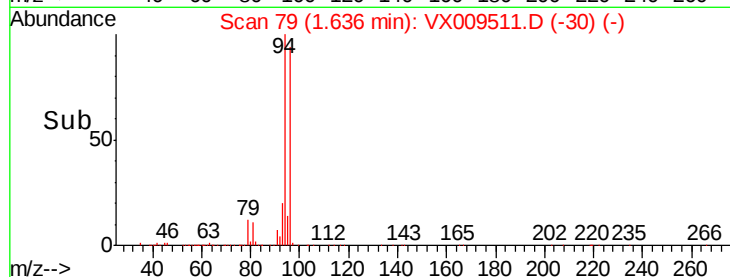
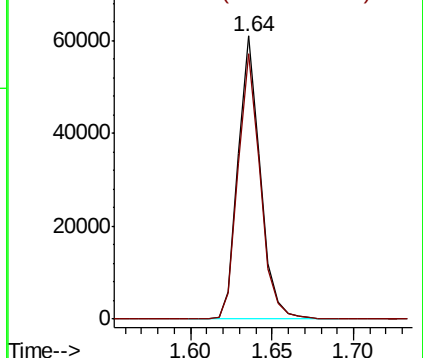
94 100

96 93.7 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.524 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009511.D

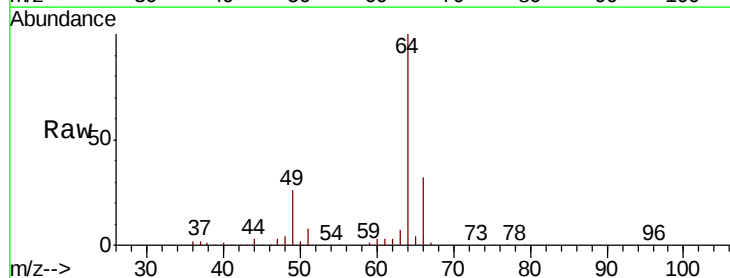
Acq: 11 May 2019 03:04

Tgt Ion: 64 Resp: 63553

Ion Ratio Lower Upper

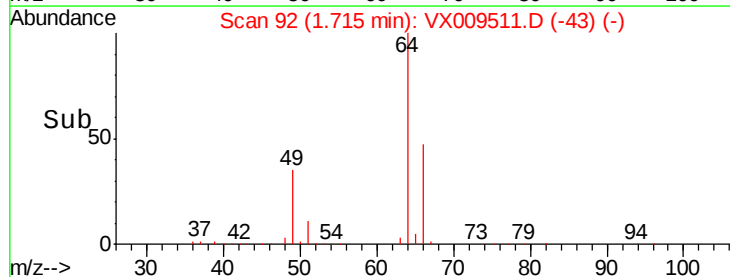
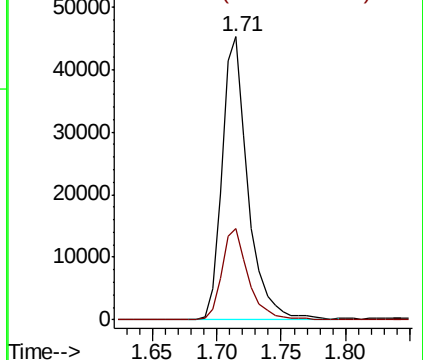
64 100

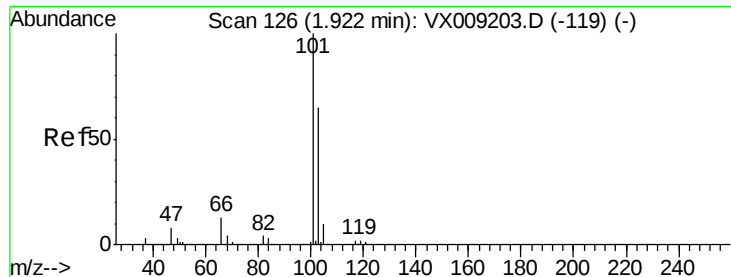
66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



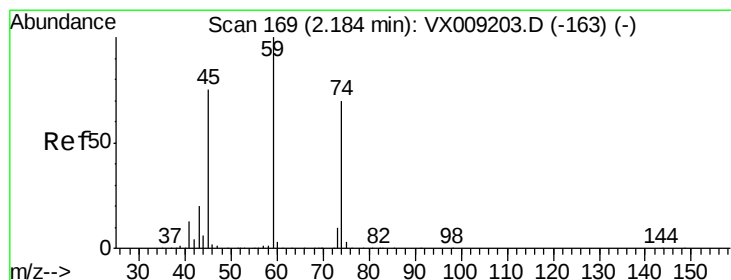
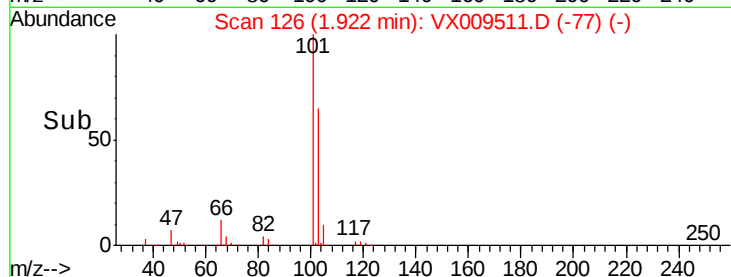
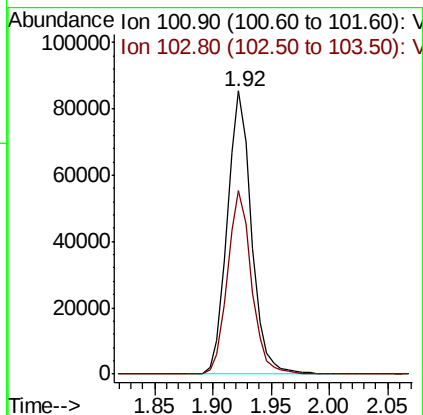
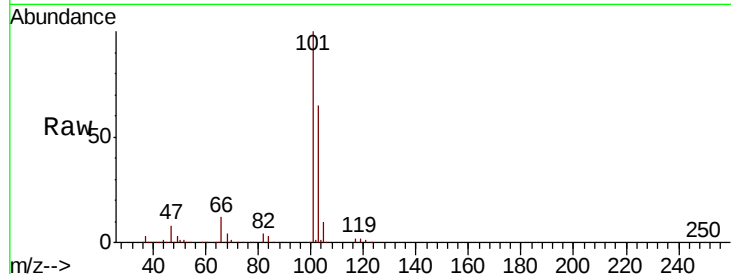


#7

Trichlorofluoromethane
 Concen: 53.886 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

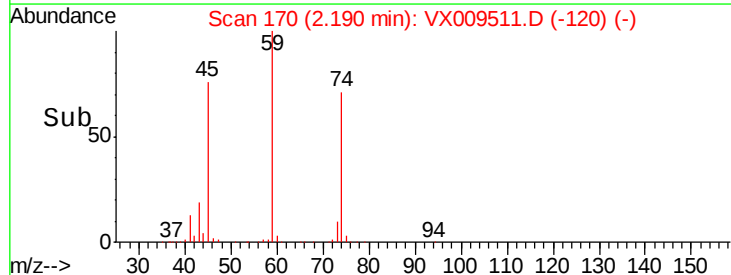
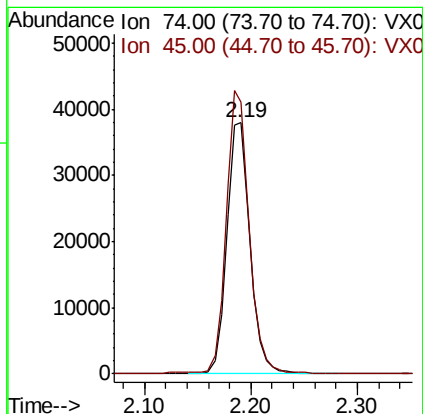
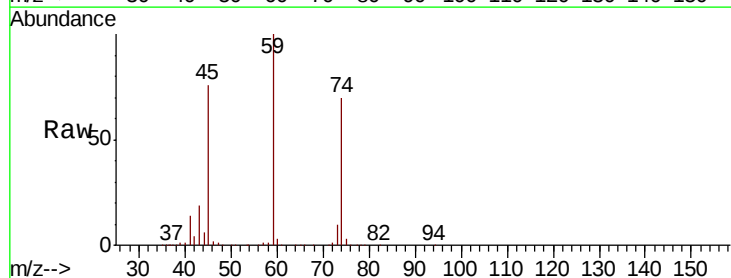
Tot Ion:101 Resp: 123442
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.4 78.6

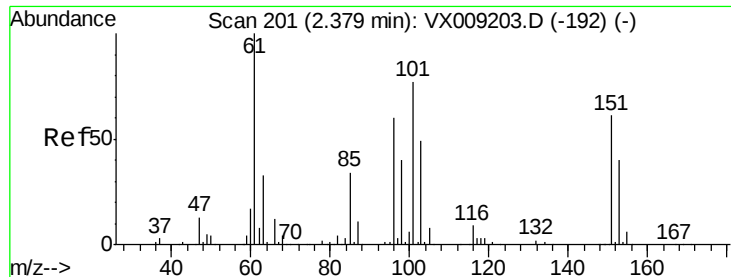


#8

Diethyl Ether
 Concen: 53.389 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

Tgt Ion: 74 Resp: 57933
 Ion Ratio Lower Upper
 74 100
 45 109.9 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.633 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

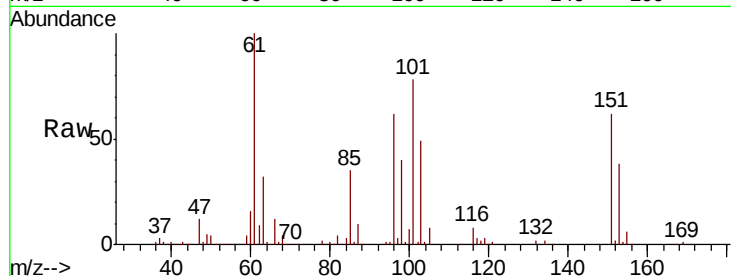
Tot Ion:101 Resp: 74277

Ion Ratio Lower Upper

101 100

85 44.3 35.7 53.5

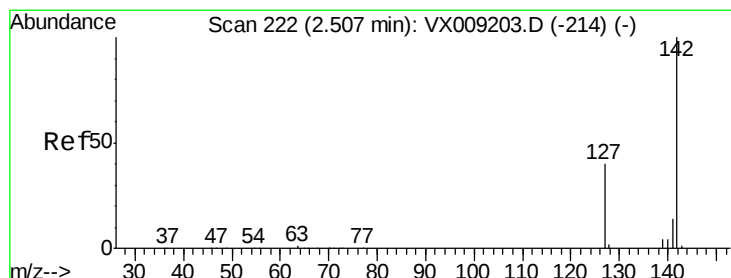
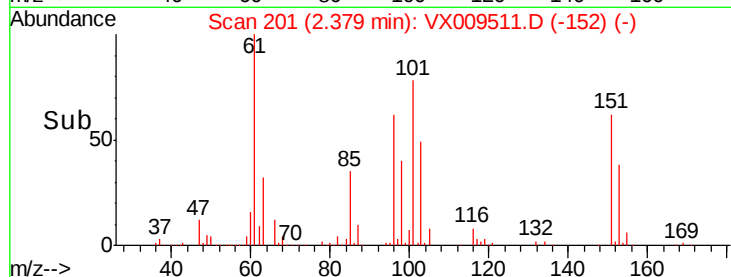
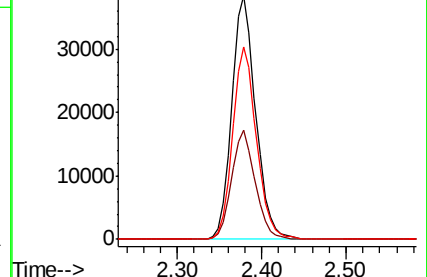
151 78.6 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.111 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

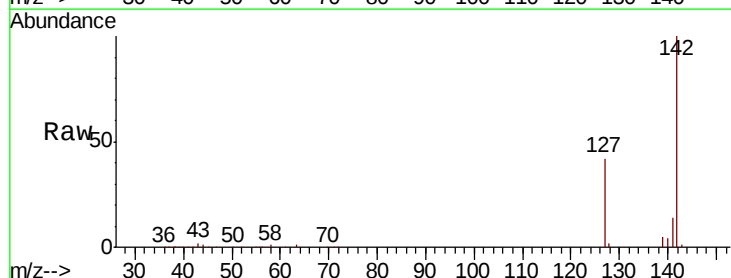
Tgt Ion:142 Resp: 92979

Ion Ratio Lower Upper

142 100

127 41.8 32.7 49.1

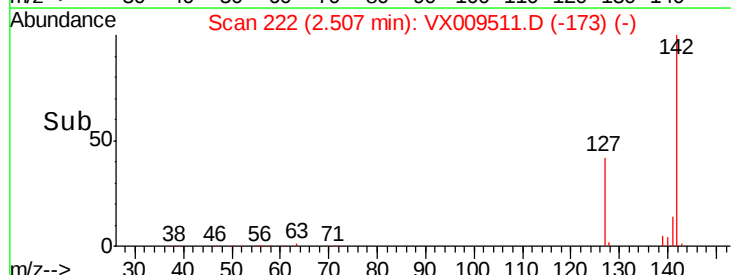
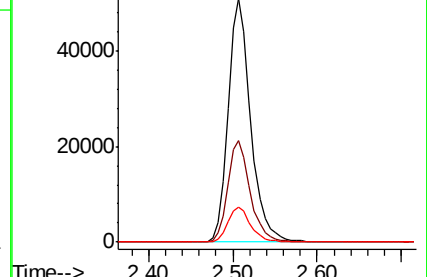
141 14.5 11.5 17.3

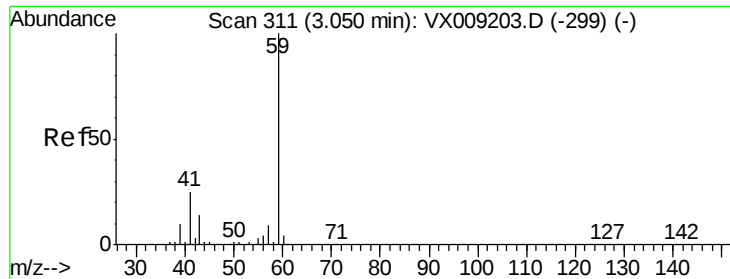


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

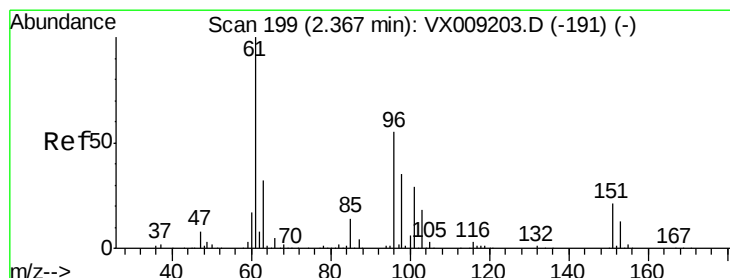
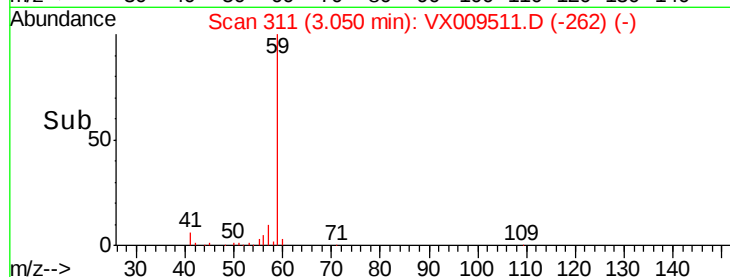
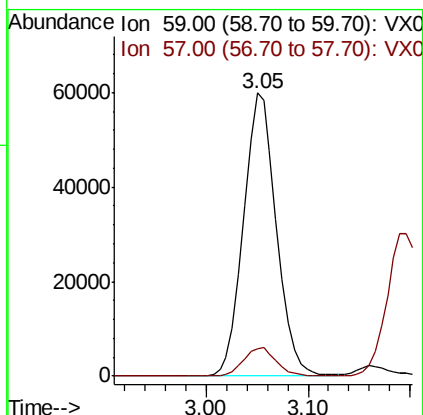
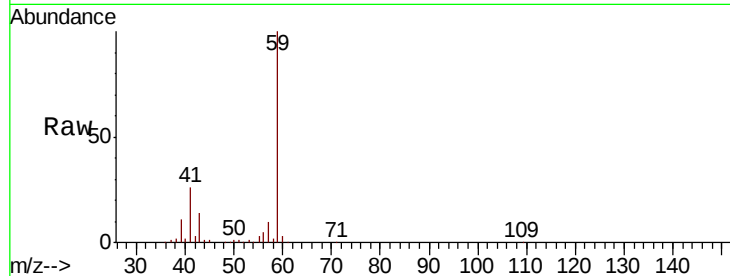




#11
Tert butyl alcohol
Concen: 276.486 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

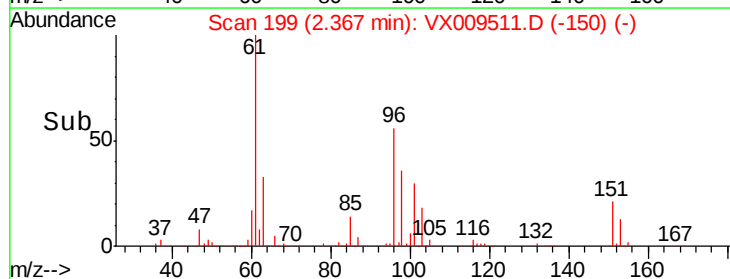
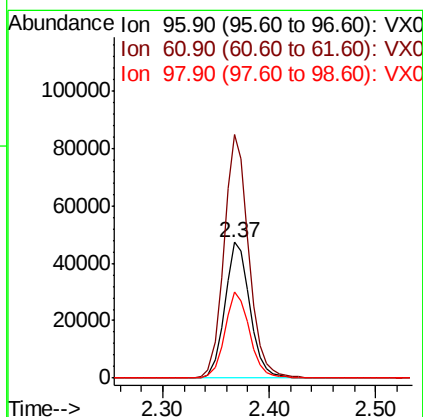
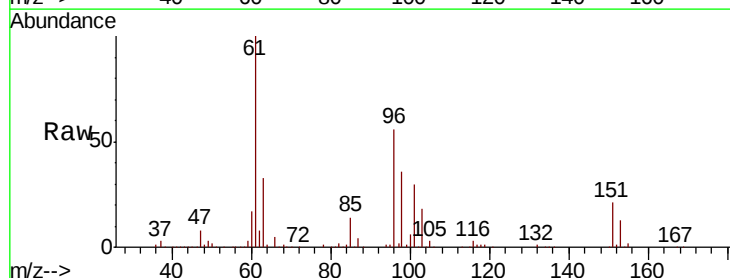
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

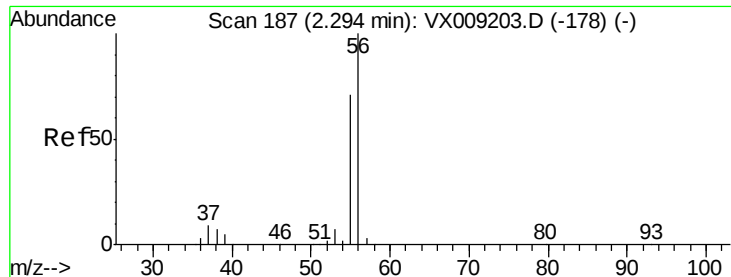
Tot Ion: 59 Resp: 134210
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2



#12
1,1-Dichloroethene
Concen: 53.995 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Tgt Ion: 96 Resp: 77826
Ion Ratio Lower Upper
96 100
61 179.3 144.3 216.5
98 63.8 50.3 75.5





#13

Acrolein

Concen: 256.332 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

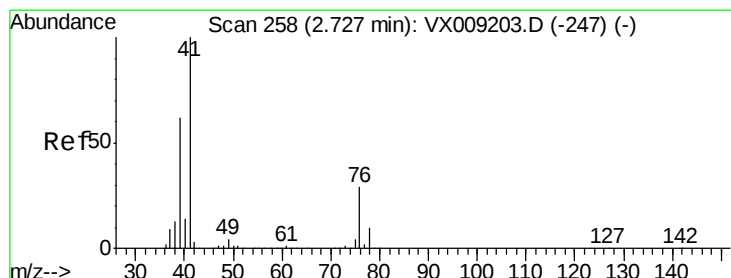
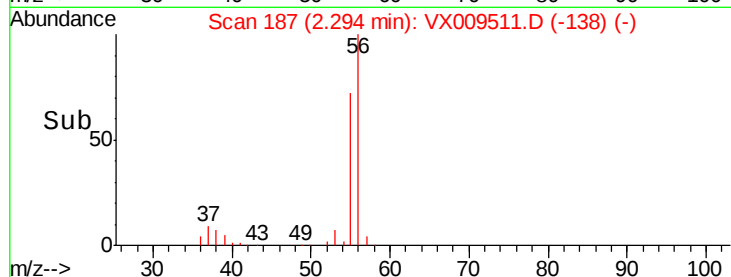
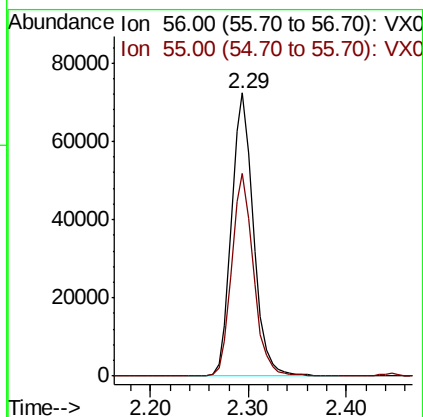
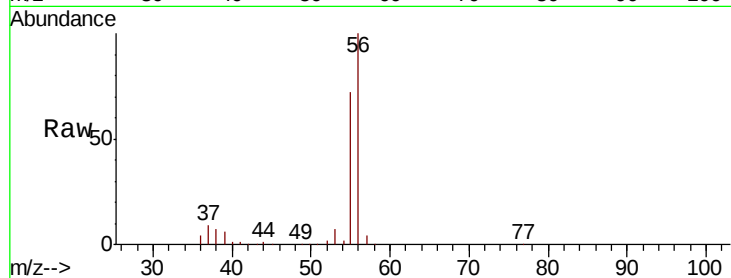
VSTDCCC050EC

Tot Ion: 56 Resp: 112685

Ion Ratio Lower Upper

56 100

55 70.7 56.6 85.0



#14

Allyl chloride

Concen: 51.290 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

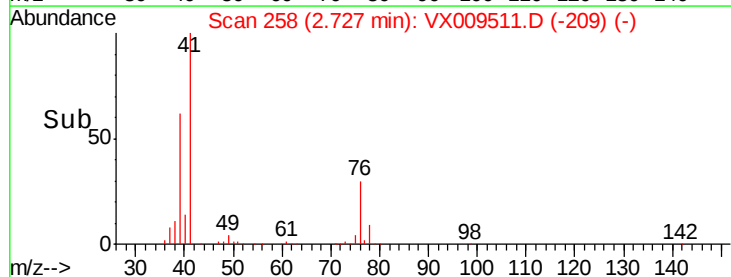
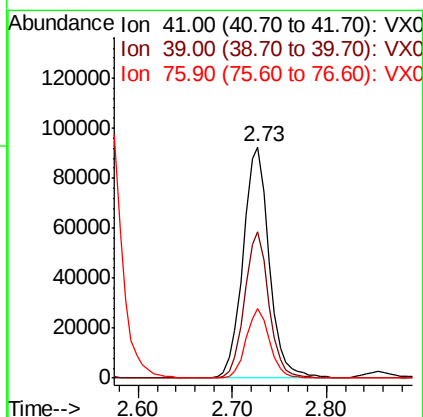
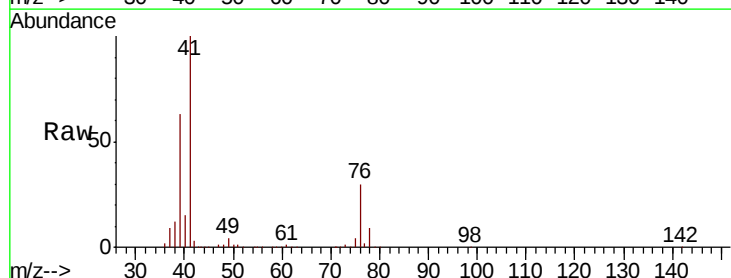
Tgt Ion: 41 Resp: 180163

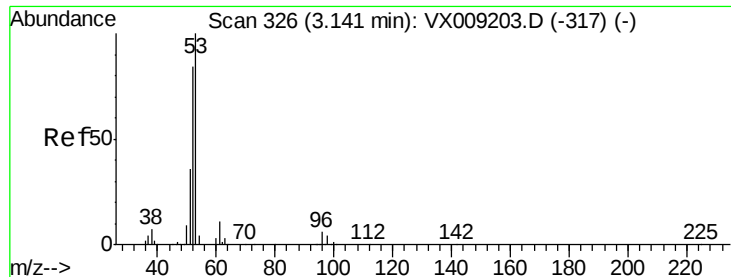
Ion Ratio Lower Upper

41 100

39 58.6 46.7 70.1

76 27.2 21.8 32.8





#15

Acrylonitrile

Concen: 270.230 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

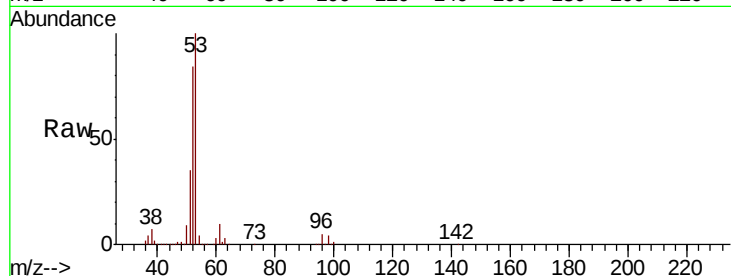
Tot Ion: 53 Resp: 320729

Ion Ratio Lower Upper

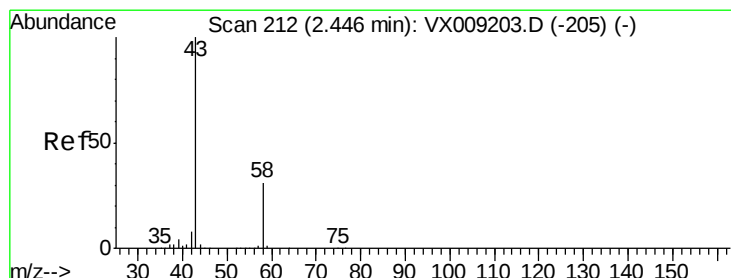
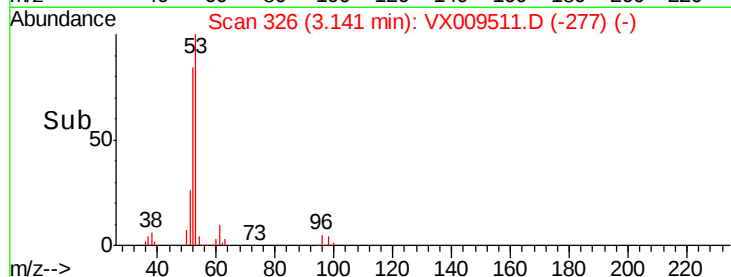
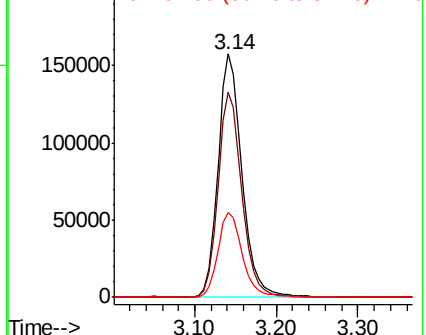
53 100

52 84.2 66.9 100.3

51 35.9 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 248.151 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009511.D

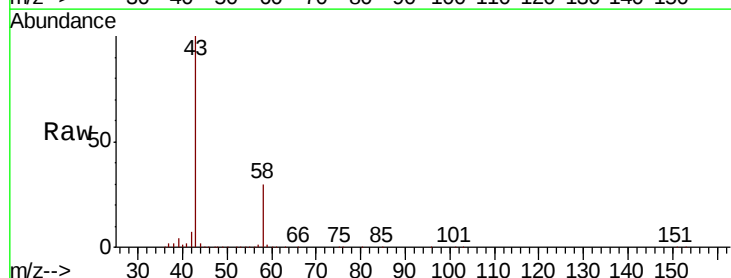
Acq: 11 May 2019 03:04

Tgt Ion: 43 Resp: 279425

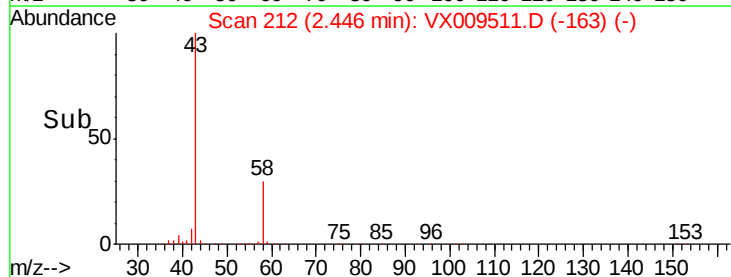
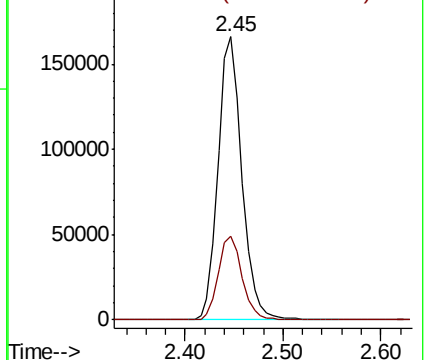
Ion Ratio Lower Upper

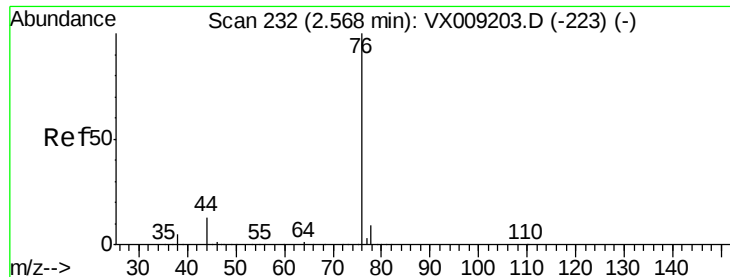
43 100

58 29.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

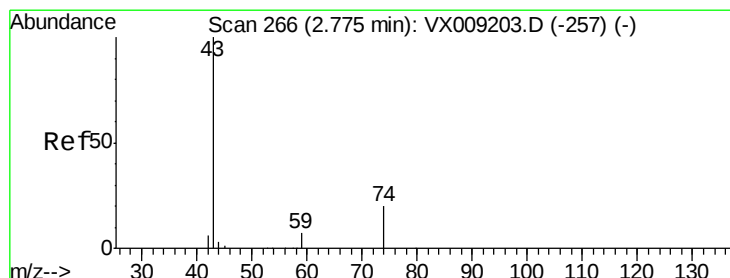
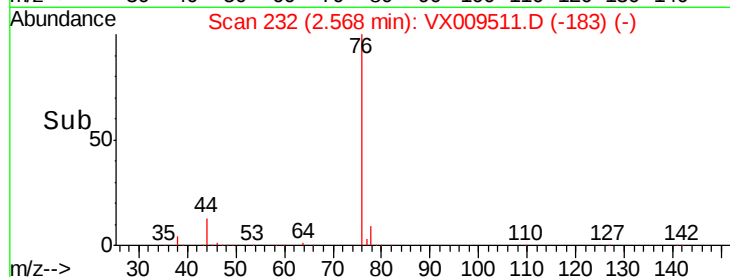
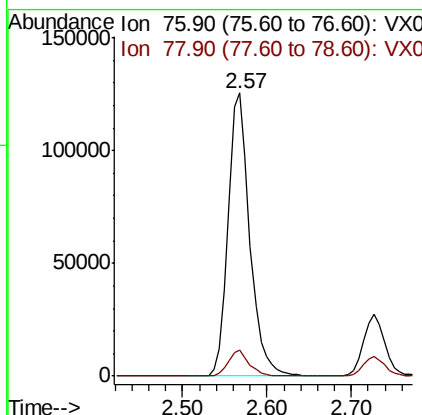
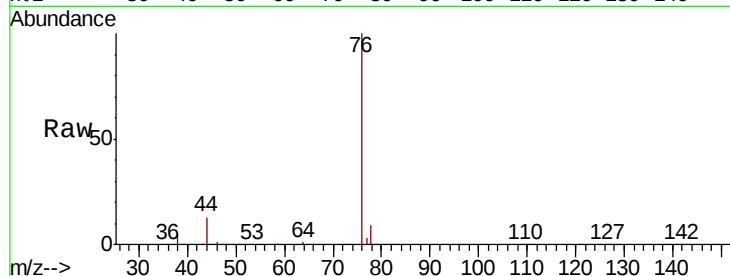




#17
Carbon Disulfide
Concen: 54.513 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

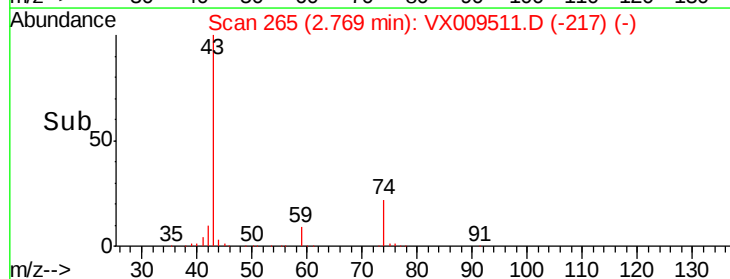
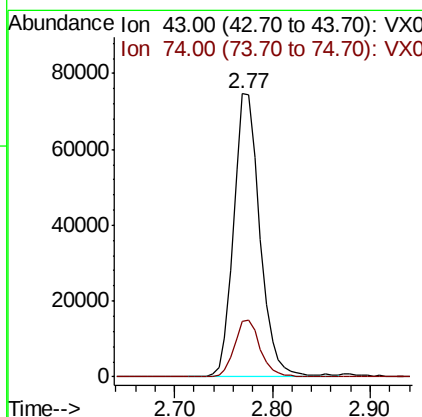
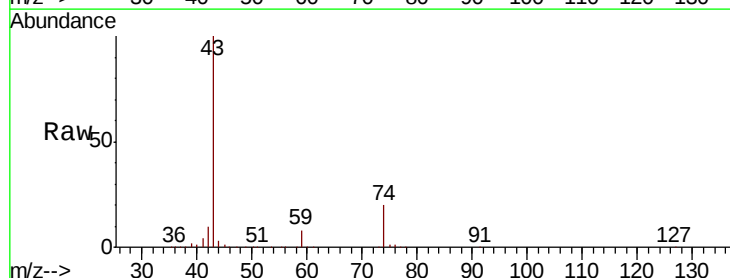
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

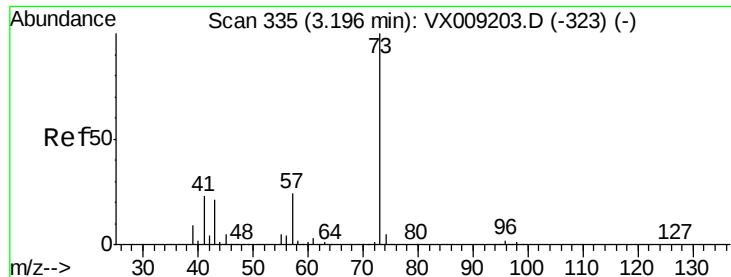
Tot Ion: 76 Resp: 220597
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 51.882 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Tgt Ion: 43 Resp: 138937
Ion Ratio Lower Upper
43 100
74 20.0 16.2 24.4



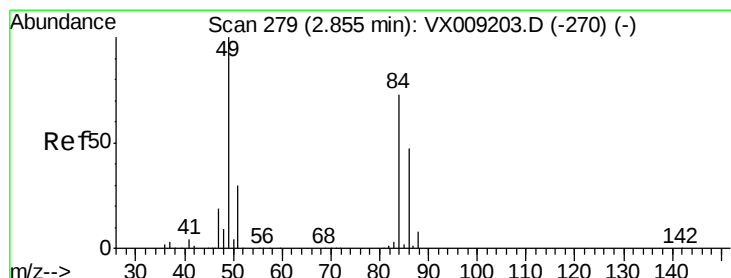
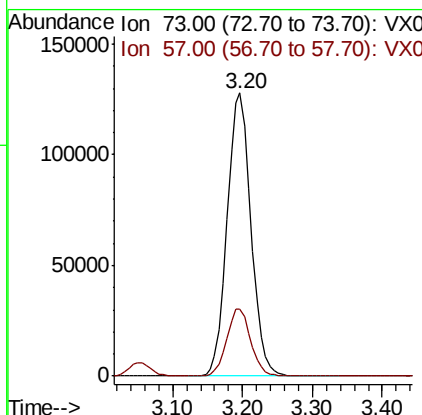
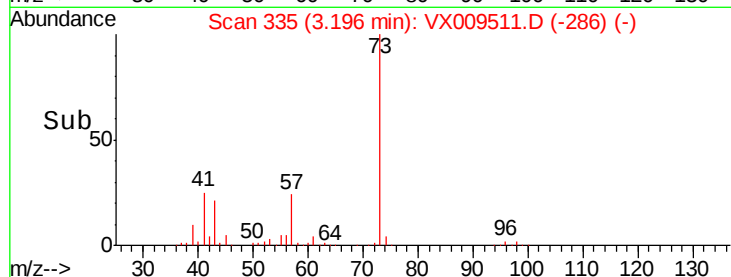
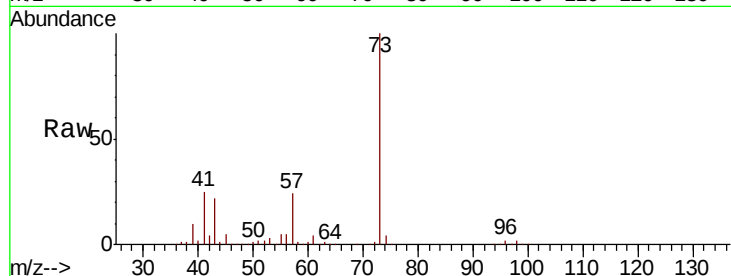


#19

Methyl tert-butyl Ether
 Concen: 53.918 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

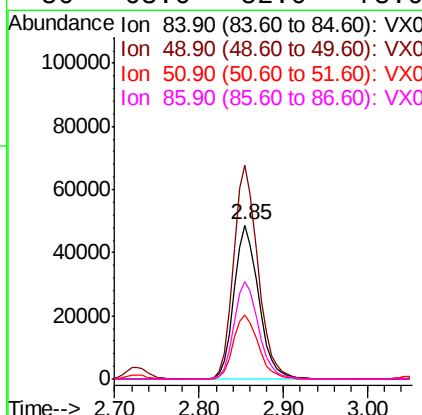
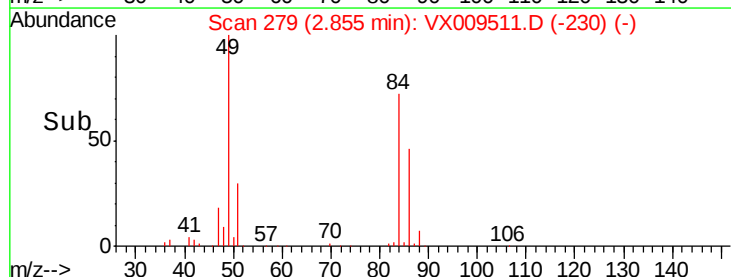
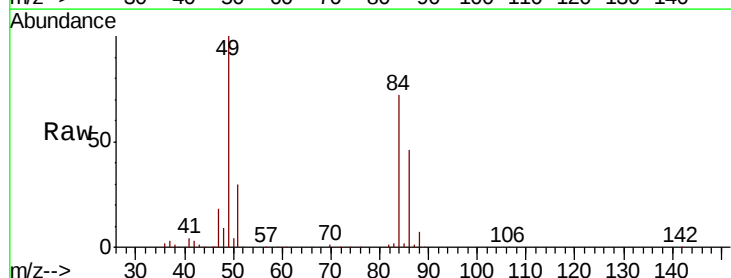
Tot Ion: 73 Resp: 301788
 Ion Ratio Lower Upper
 73 100
 57 23.6 19.3 28.9

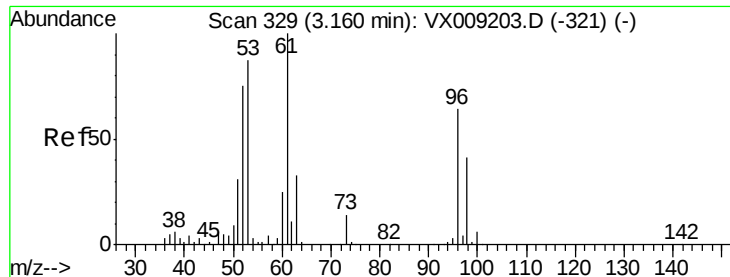


#20

Methylene Chloride
 Concen: 52.442 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

Tgt Ion: 84 Resp: 95612
 Ion Ratio Lower Upper
 84 100
 49 138.8 109.9 164.9
 51 41.6 32.7 49.1
 86 63.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 53.270 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

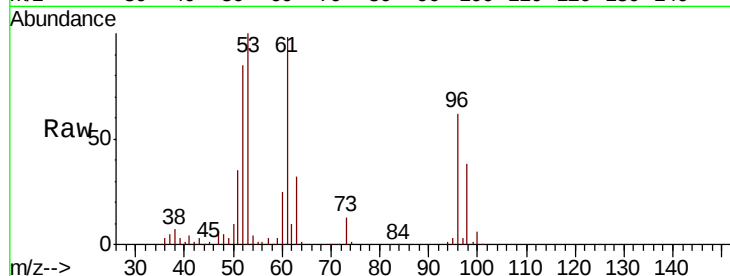
Tot Ion: 96 Resp: 83269

Ion Ratio Lower Upper

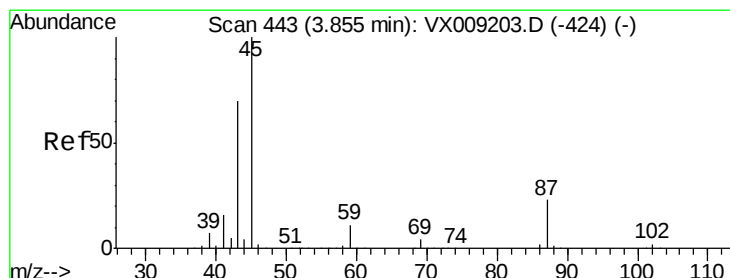
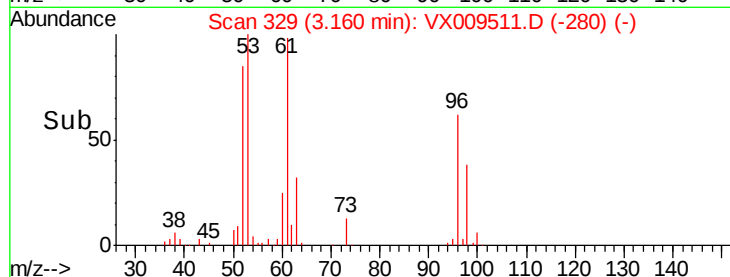
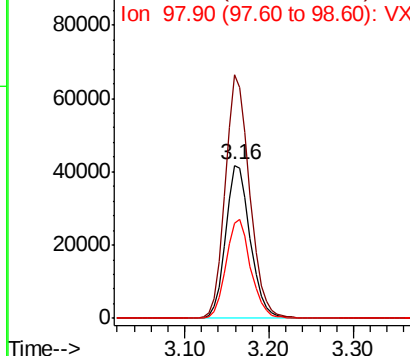
96 100

61 159.1 124.5 186.7

98 62.4 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 54.065 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Tgt Ion: 45 Resp: 365220

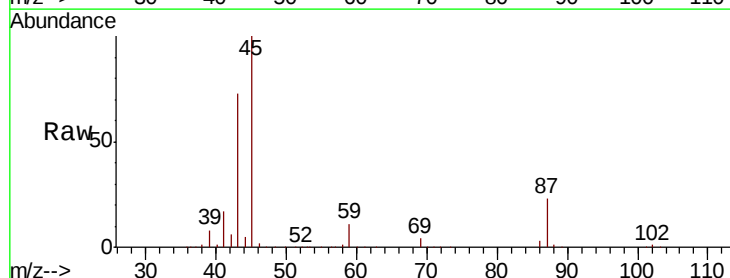
Ion Ratio Lower Upper

45 100

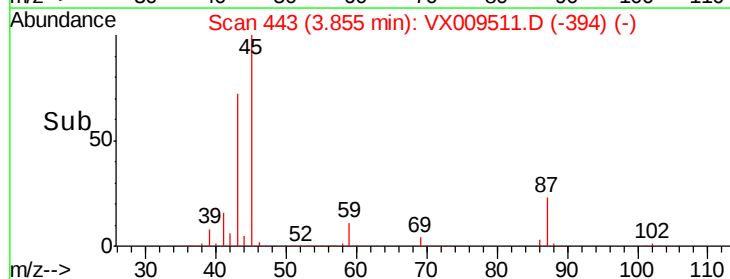
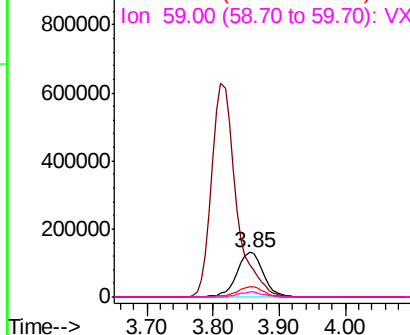
43 72.1 56.1 84.1

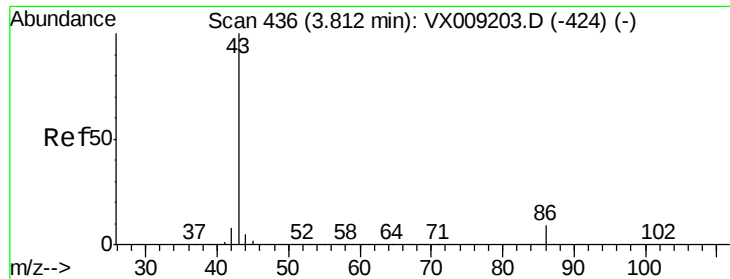
87 22.9 18.1 27.1

59 11.0 8.5 12.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 281.322 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

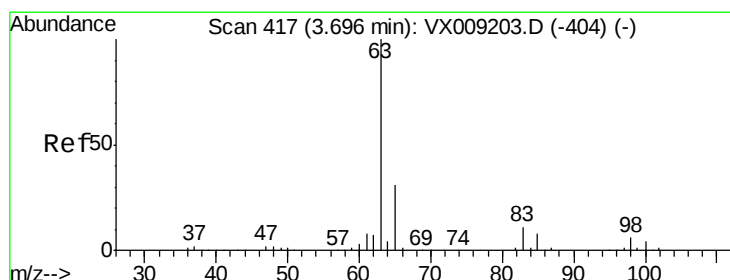
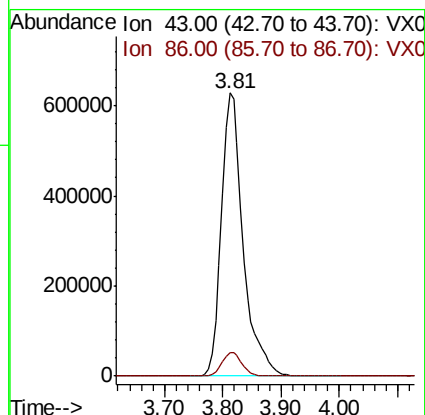
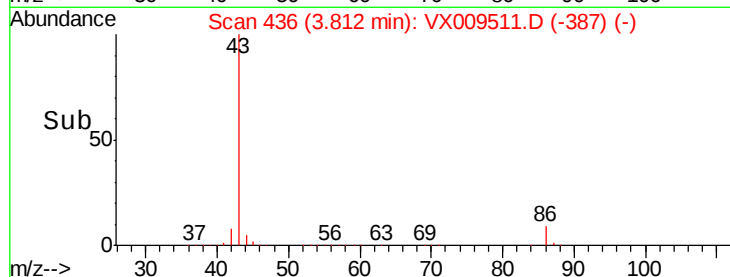
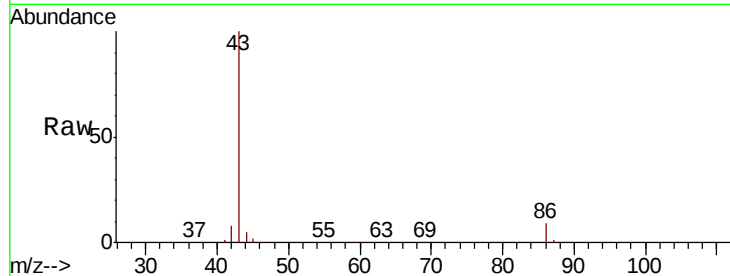
VSTDCCC050EC

Tot Ion: 43 Resp: 1627312

Ion Ratio Lower Upper

43 100

86 8.5 6.9 10.3



#24

1,1-Dichloroethane

Concen: 52.862 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

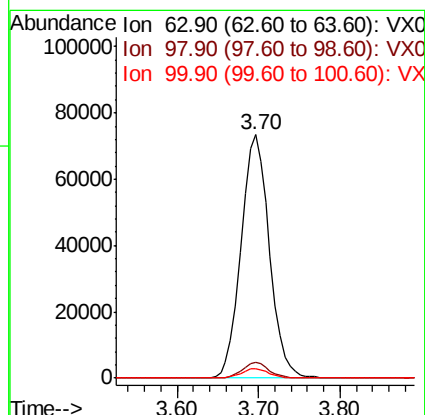
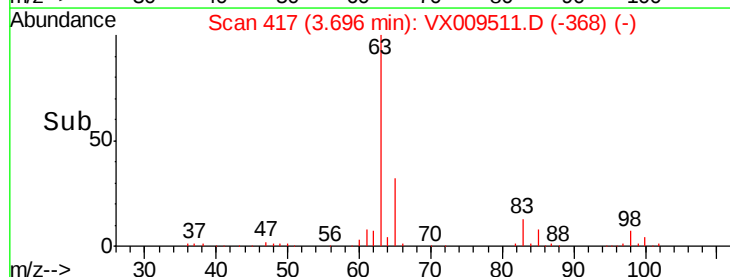
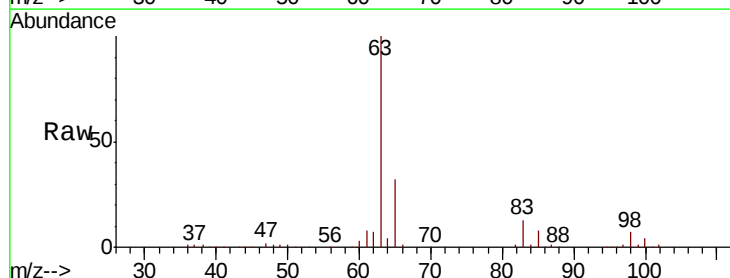
Tgt Ion: 63 Resp: 176157

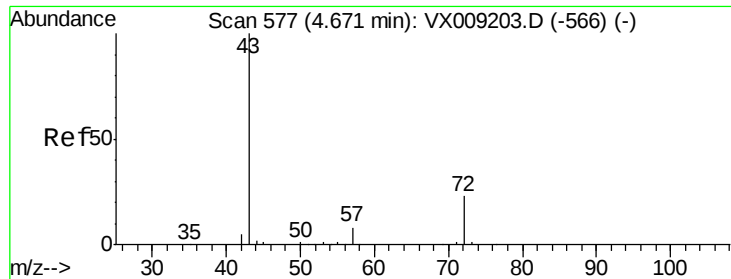
Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 271.289 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

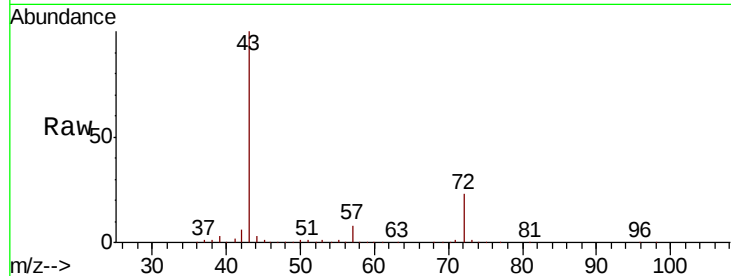
VSTDCCC050EC

Tot Ion: 43 Resp: 474705

Ion Ratio Lower Upper

43 100

72 22.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

150000

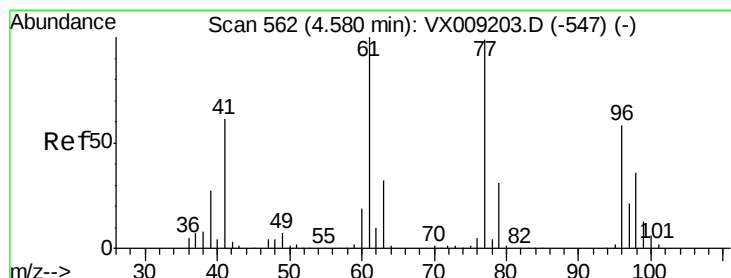
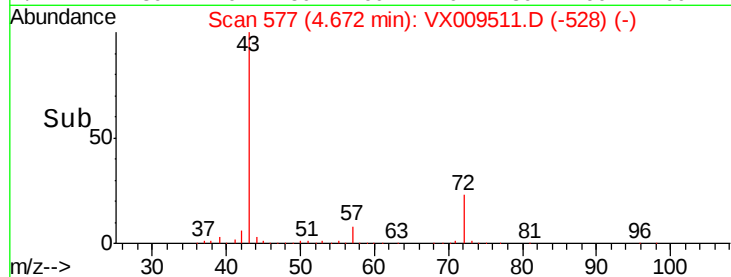
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 37.678 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009511.D

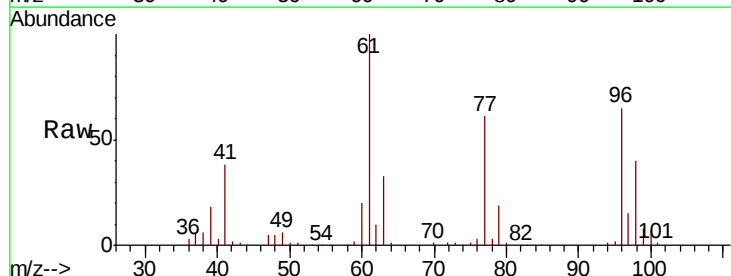
Acq: 11 May 2019 03:04

Tgt Ion: 77 Resp: 93458

Ion Ratio Lower Upper

77 100

97 24.5 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

30000

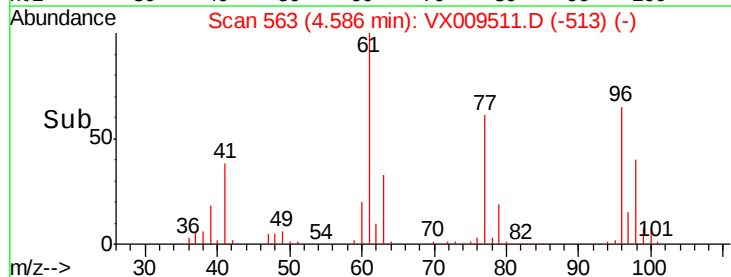
20000

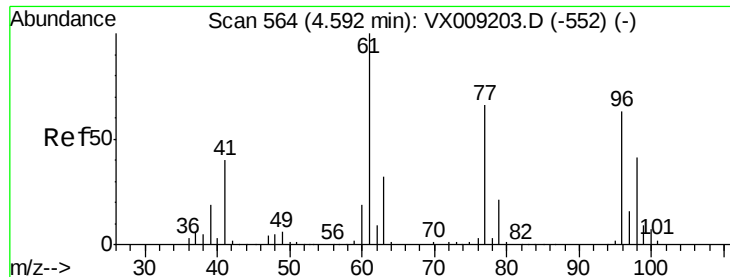
10000

0

4.50 4.60 4.70

Time-->



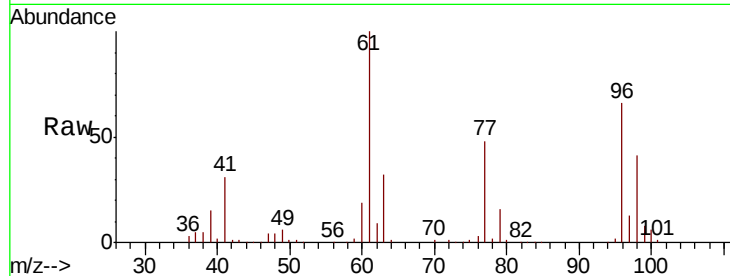


#27

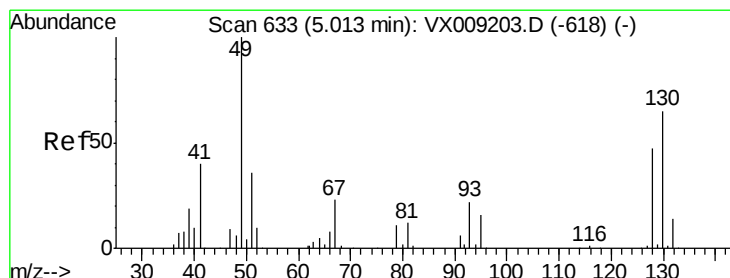
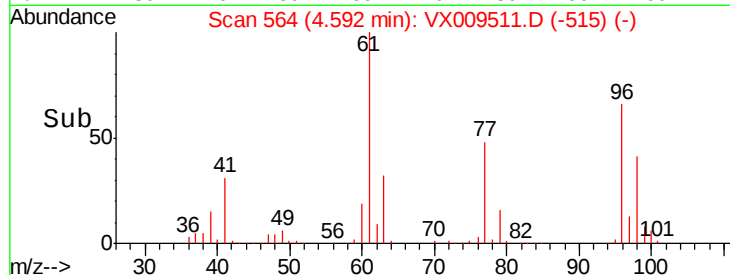
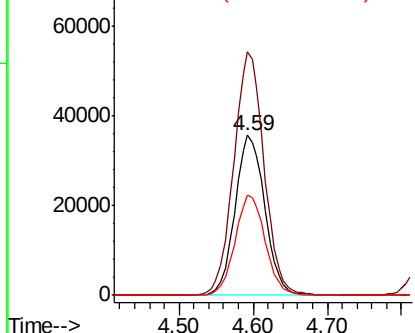
cis-1,2-Dichloroethene
Concen: 53.931 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 100624
Ion Ratio Lower Upper
96 100
61 154.2 0.0 324.0
98 62.9 0.0 130.4



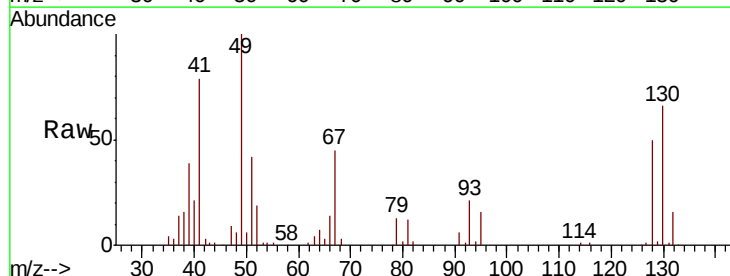
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



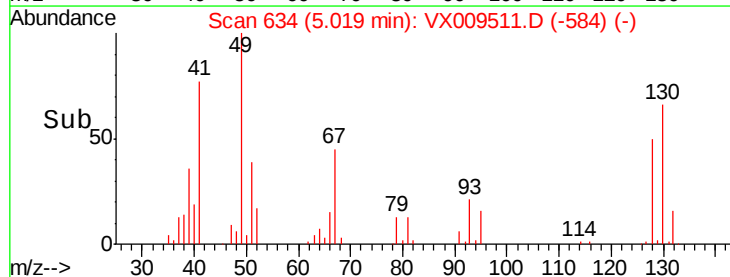
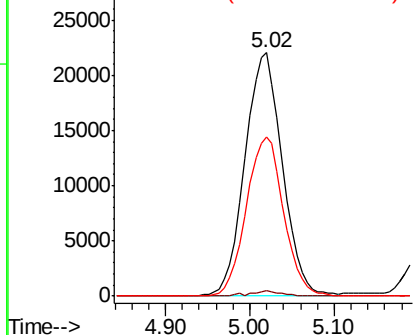
#28

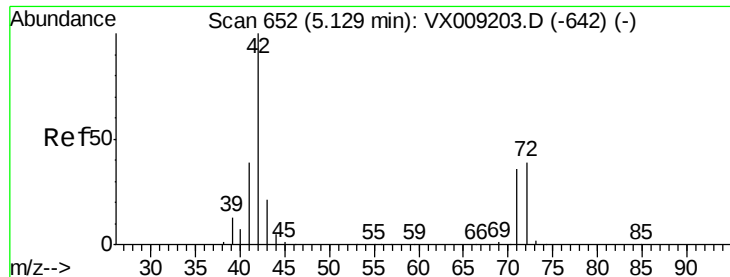
Bromochloromethane
Concen: 49.649 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Tgt Ion: 49 Resp: 66628
Ion Ratio Lower Upper
49 100
129 1.4 0.0 3.8
130 65.2 51.2 76.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 283.177 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

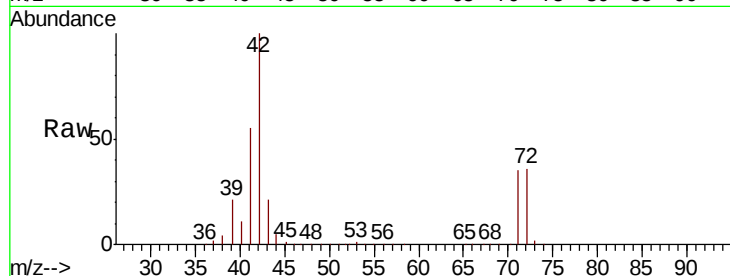
Tot Ion: 42 Resp: 318857

Ion Ratio Lower Upper

42 100

72 37.2 30.4 45.6

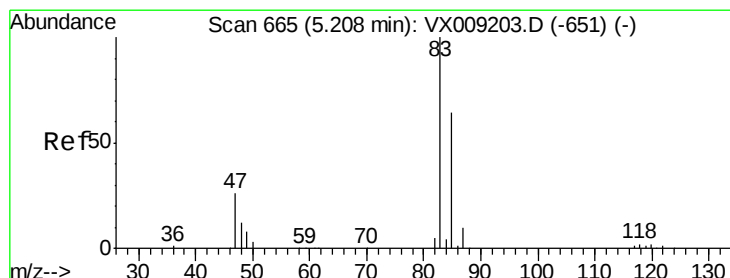
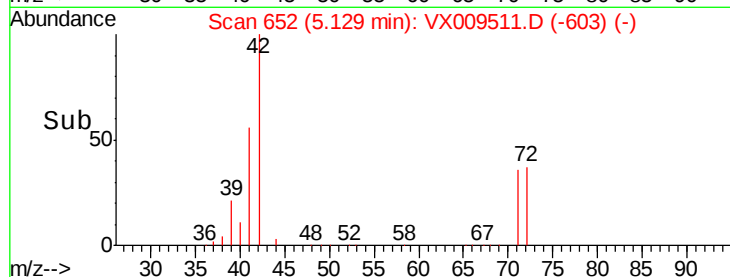
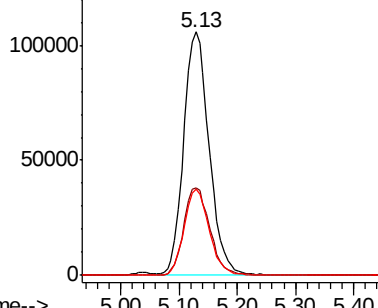
71 35.1 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 54.382 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009511.D

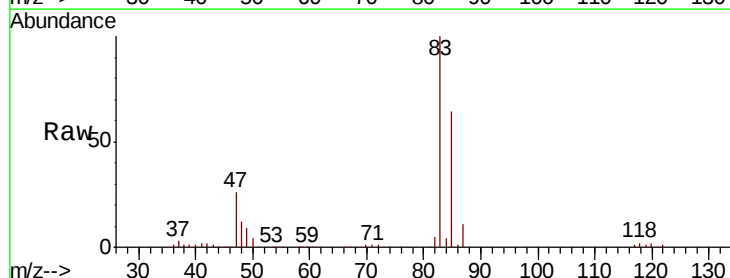
Acq: 11 May 2019 03:04

Tgt Ion: 83 Resp: 163904

Ion Ratio Lower Upper

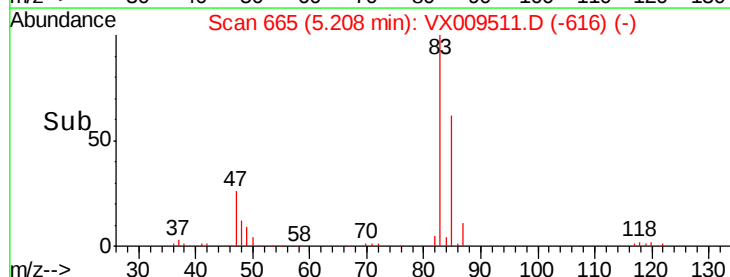
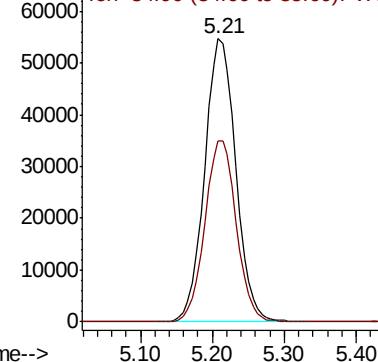
83 100

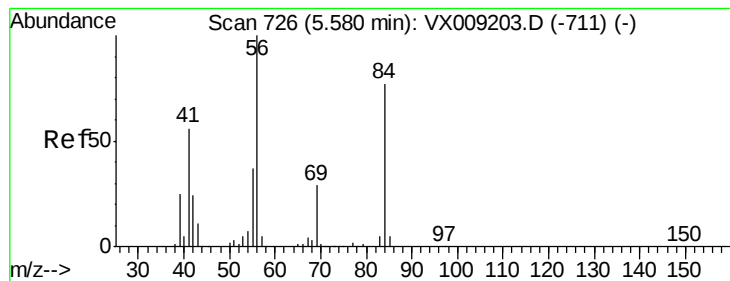
85 64.1 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 54.712 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

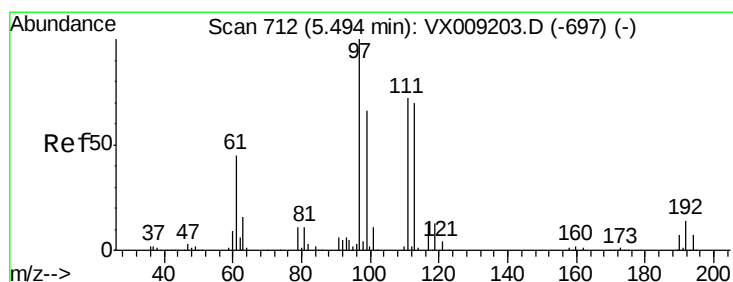
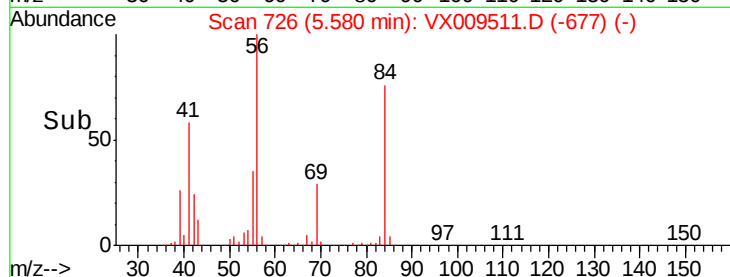
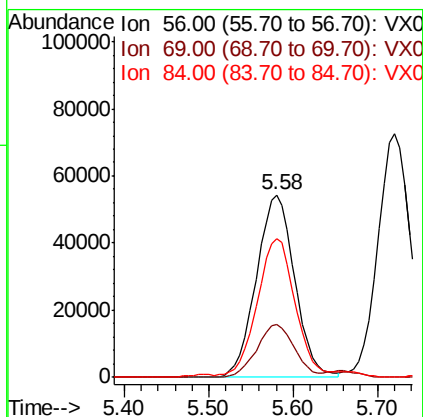
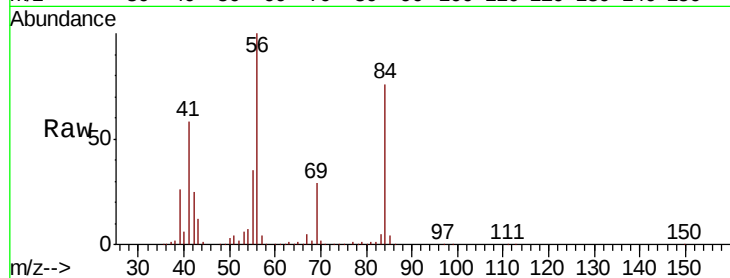
Tot Ion: 56 Resp: 169625

Ion Ratio Lower Upper

56 100

69 29.0 23.4 35.0

84 74.7 61.9 92.9



#32

1,1,1-Trichloroethane

Concen: 53.807 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

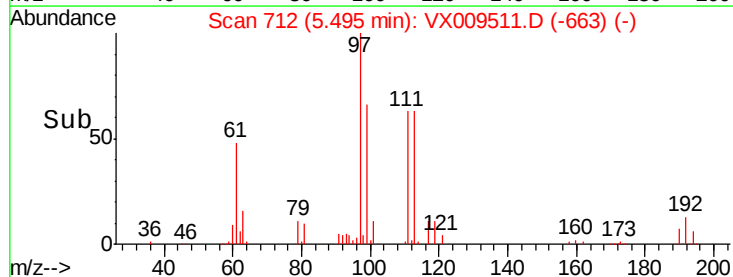
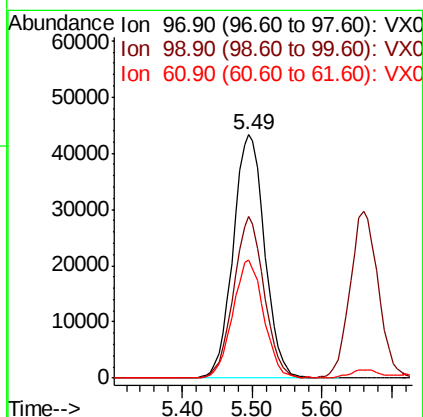
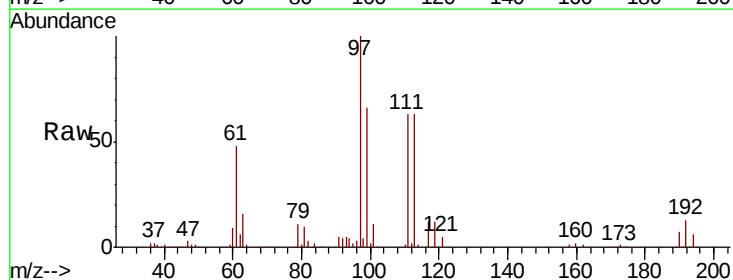
Tgt Ion: 97 Resp: 134999

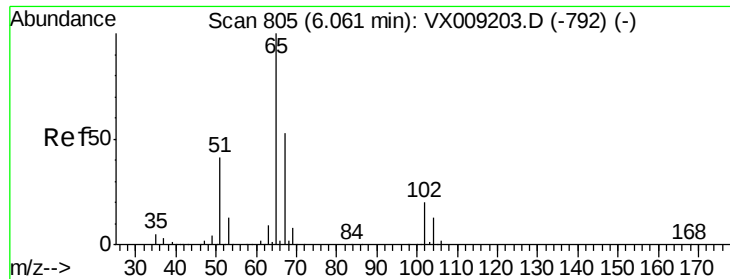
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

61 47.8 37.8 56.8





#33

1,2-Dichloroethane-d4

Concen: 49.973 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

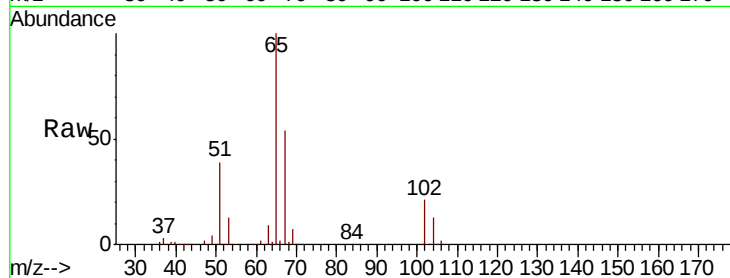
VSTDCCC050EC

Tot Ion: 65 Resp: 104795

Ion Ratio Lower Upper

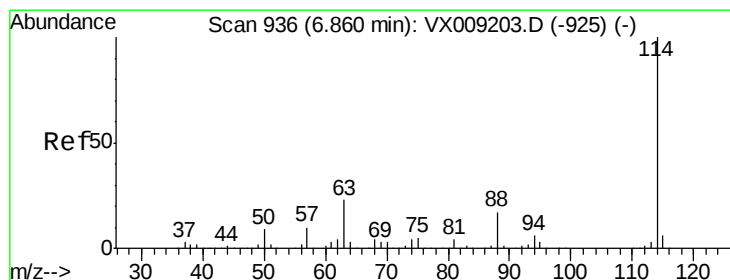
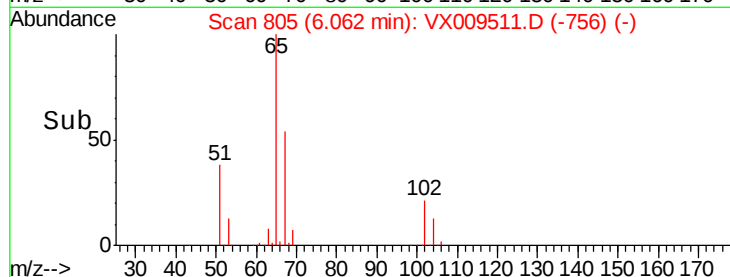
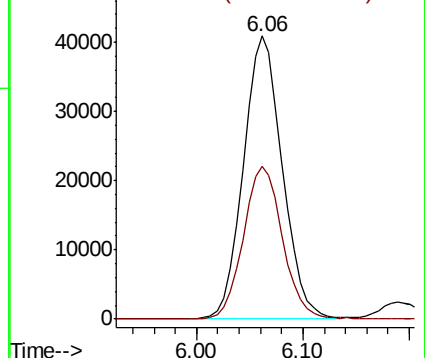
65 100

67 54.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

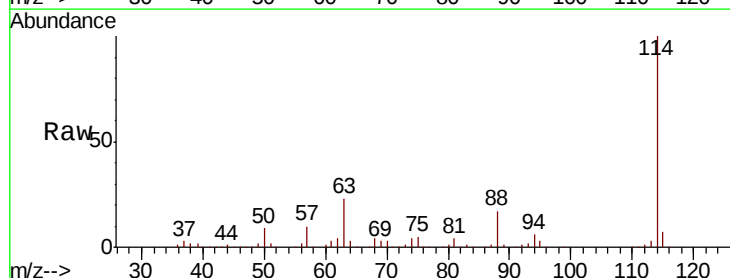
Tgt Ion: 114 Resp: 251460

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

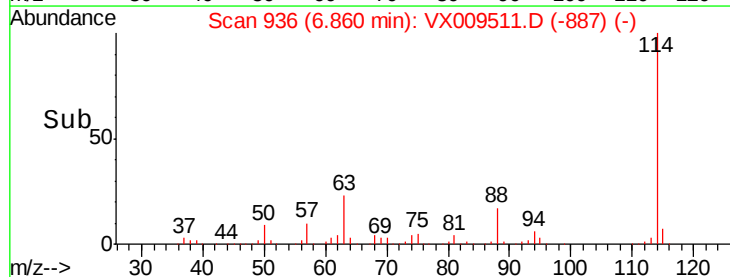
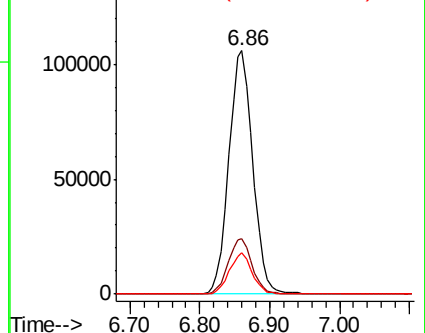
88 16.9 0.0 33.2

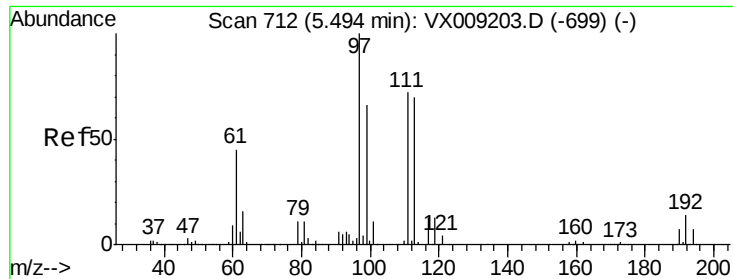


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

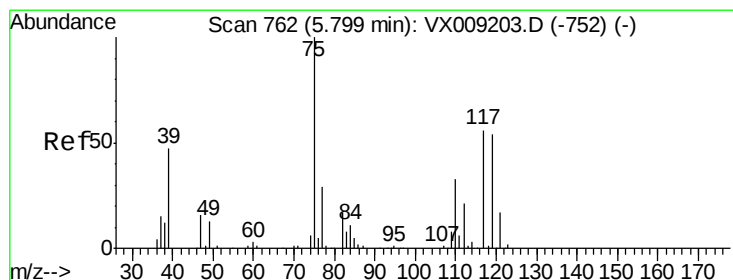
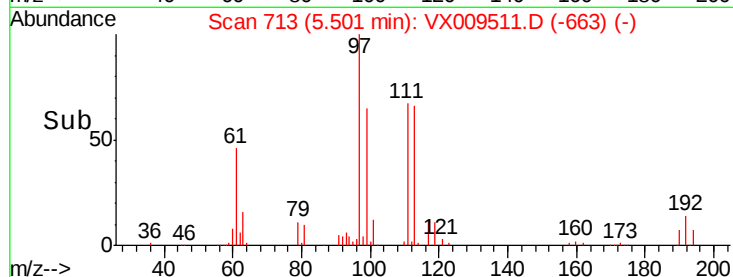
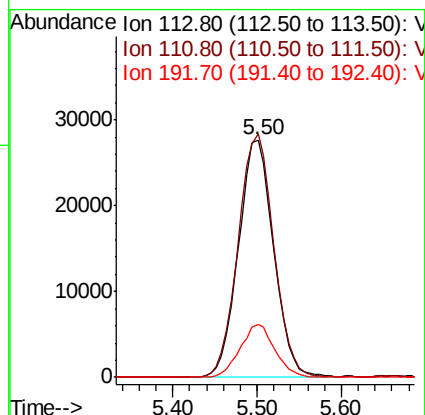
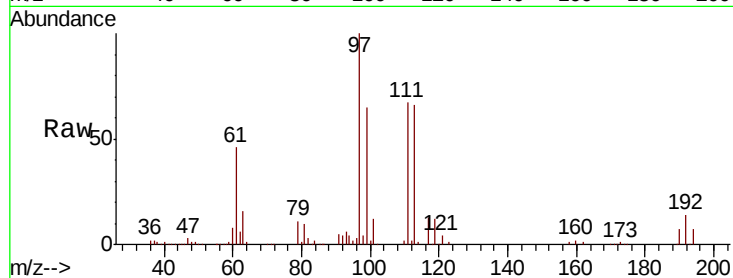




#35
 Dibromofluoromethane
 Concen: 49.462 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

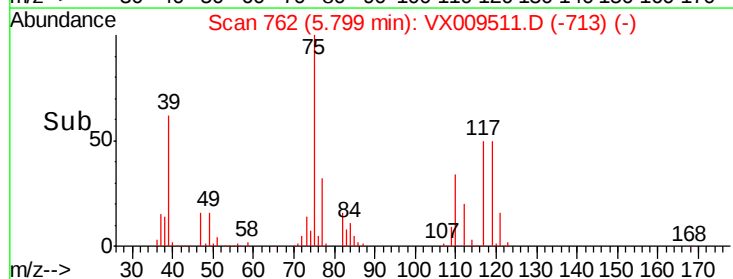
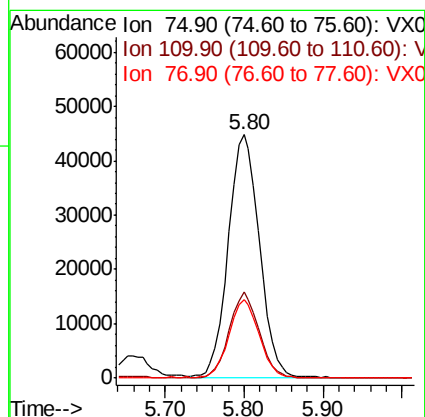
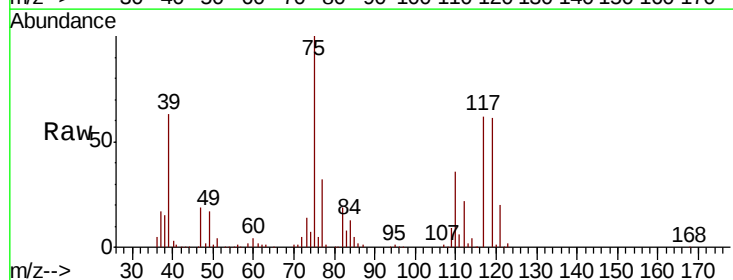
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

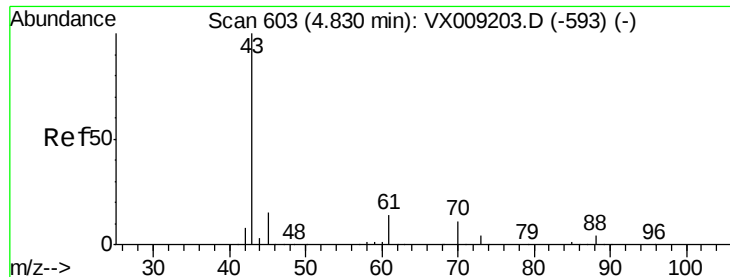
Tot Ion:113 Resp: 78188
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.8 124.2
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 52.539 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

Tgt Ion: 75 Resp: 122776
 Ion Ratio Lower Upper
 75 100
 110 34.1 16.9 50.6
 77 31.6 24.8 37.2

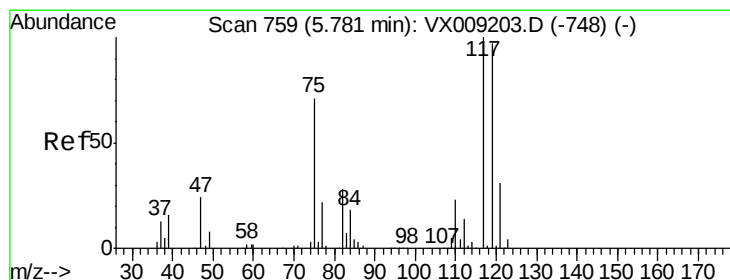
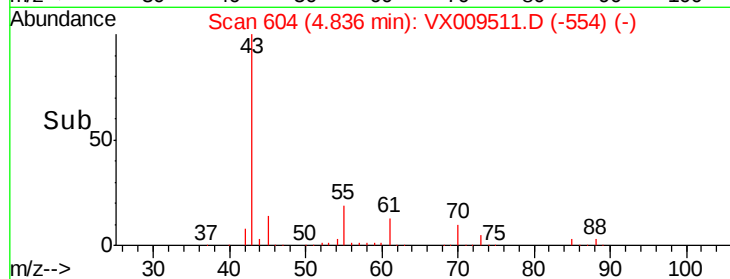
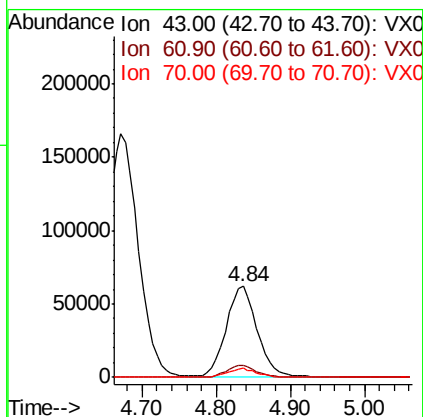
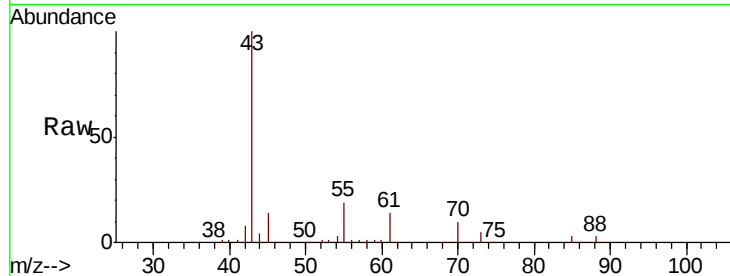




#37
Ethyl Acetate
Concen: 55.480 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

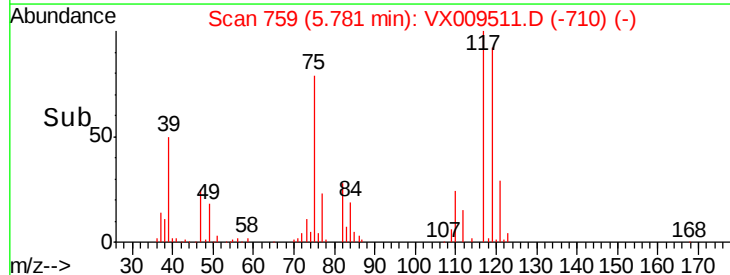
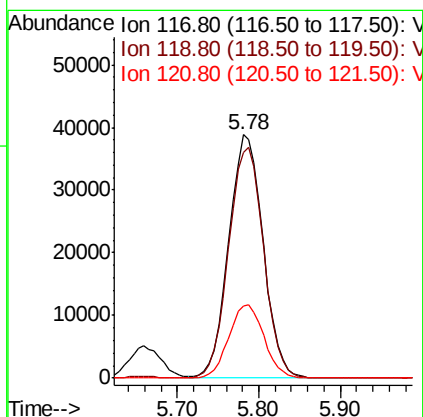
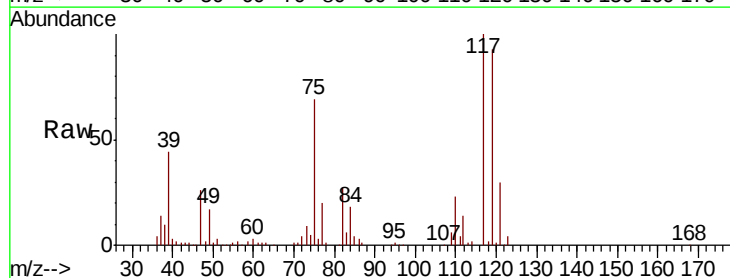
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

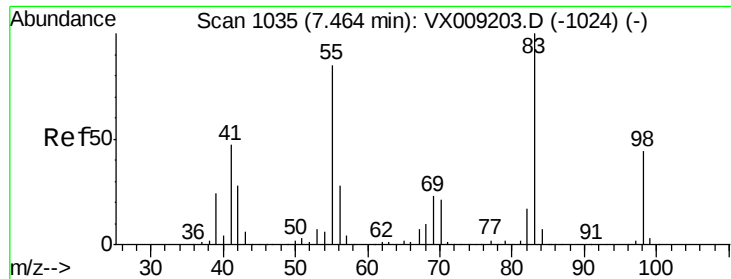
Tot Ion: 43 Resp: 180640
Ion Ratio Lower Upper
43 100
61 12.9 10.5 15.7
70 9.3 7.9 11.9



#38
Carbon Tetrachloride
Concen: 53.290 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Tgt Ion: 117 Resp: 113144
Ion Ratio Lower Upper
117 100
119 92.4 77.5 116.3
121 29.7 24.7 37.1

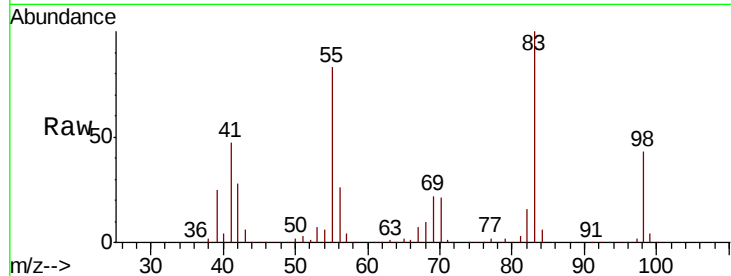




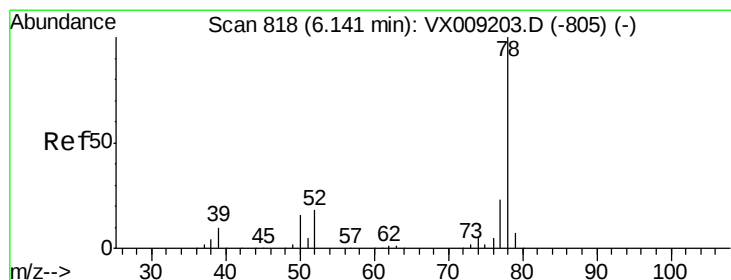
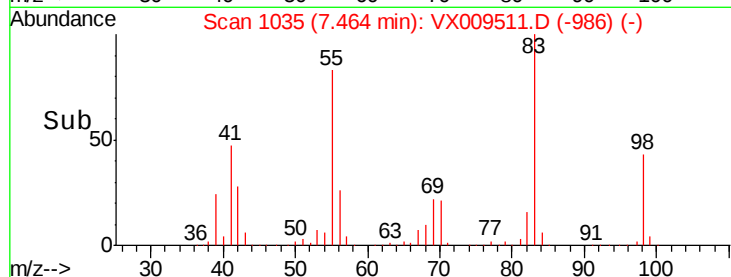
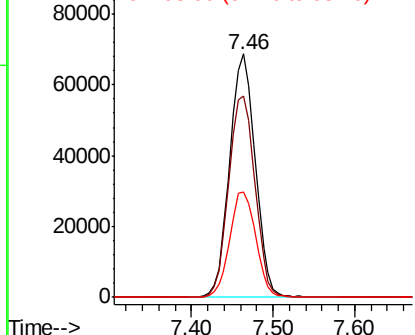
#39
Methvlcvclohexane
Concen: 51.747 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 148506
Ion Ratio Lower Upper
83 100
55 82.7 67.7 101.5
98 43.4 35.5 53.3

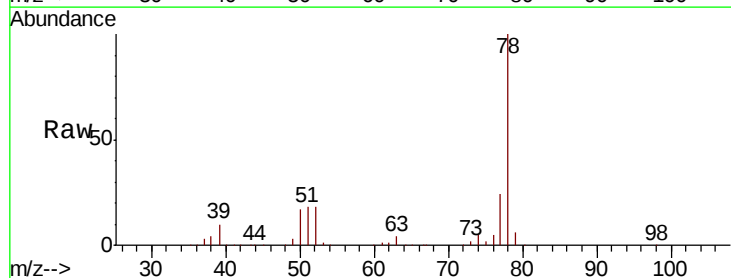


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

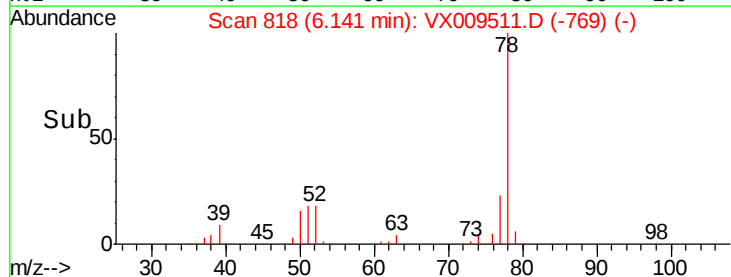
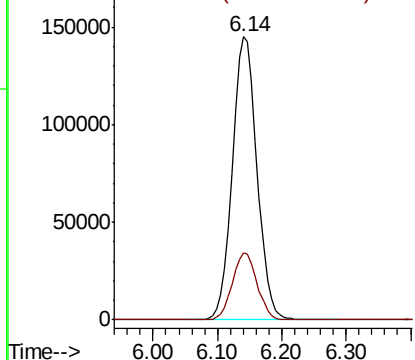


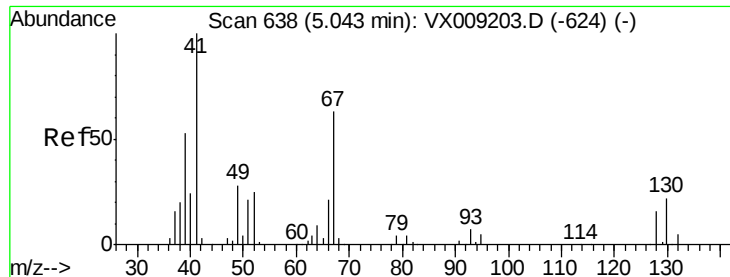
#40
Benzene
Concen: 53.557 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Tgt Ion: 78 Resp: 387333
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 53.519 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 103728

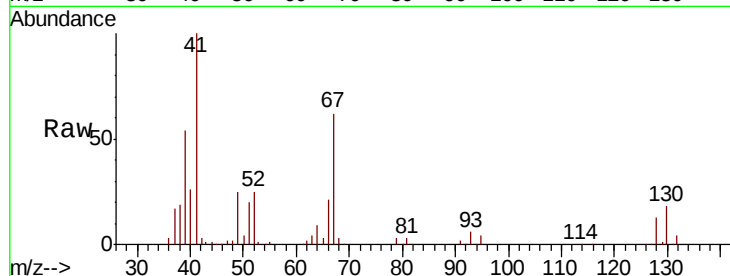
Ion Ratio Lower Upper

41 100

39 52.7 42.0 63.0

67 62.2 49.8 74.8

52 25.4 20.3 30.5

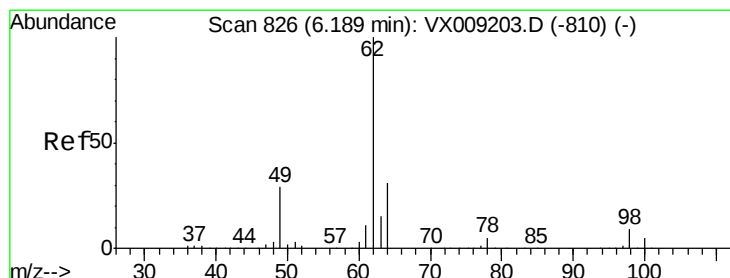
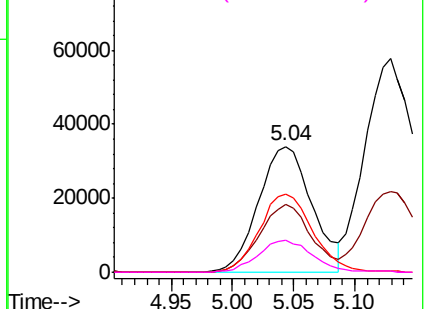
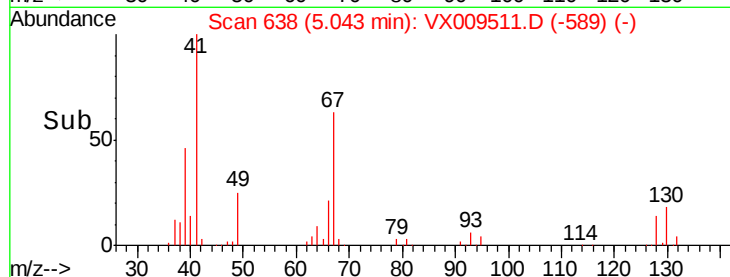


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 53.835 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX009511.D

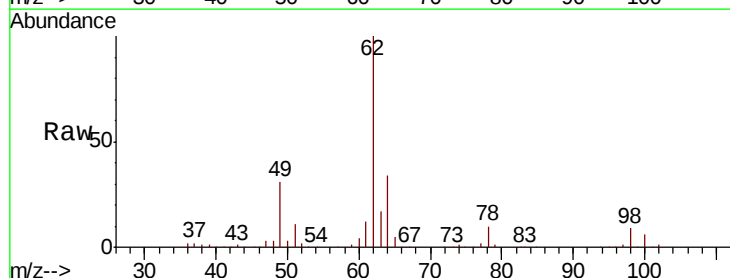
Acq: 11 May 2019 03:04

Tgt Ion: 62 Resp: 139664

Ion Ratio Lower Upper

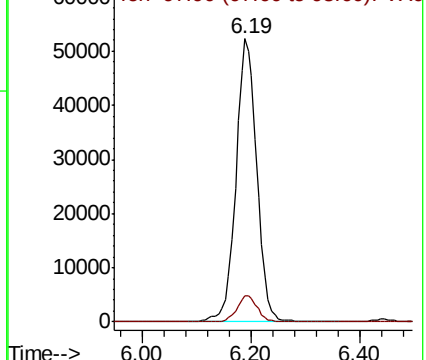
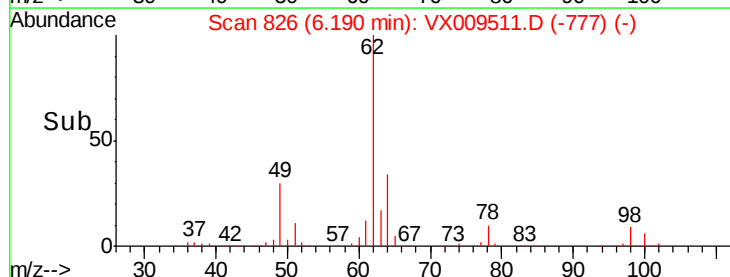
62 100

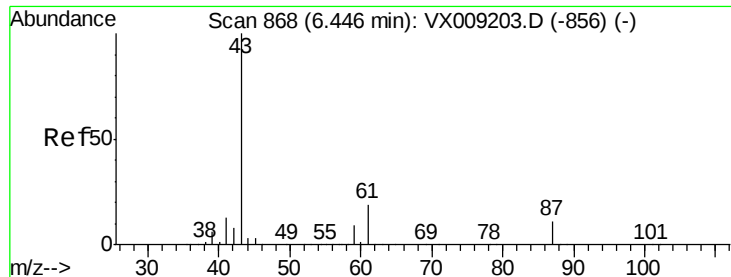
98 9.0 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



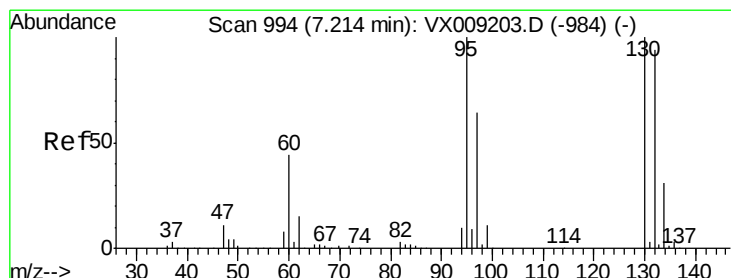
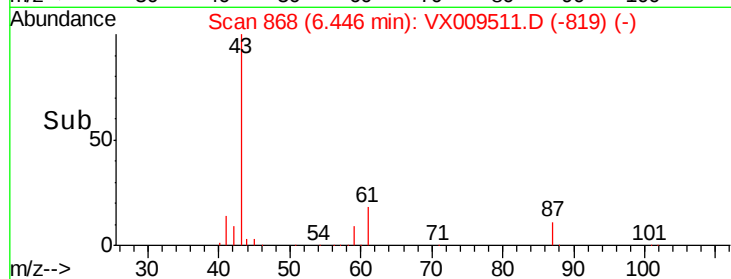
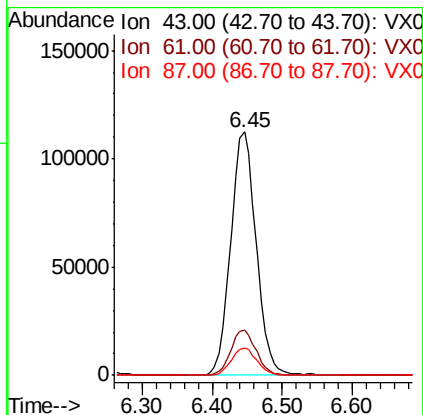
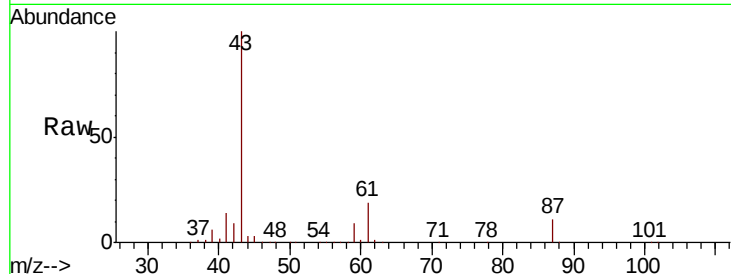


#43

Isopropyl Acetate
 Concen: 54.470 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

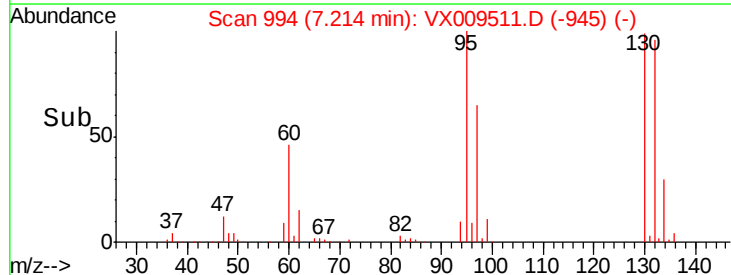
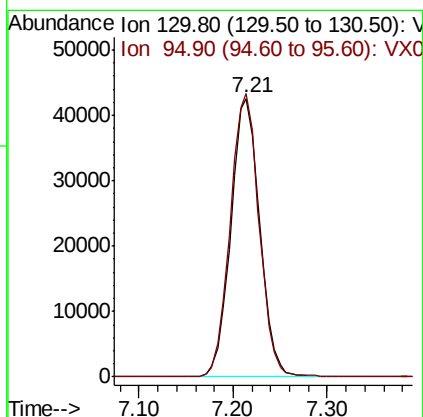
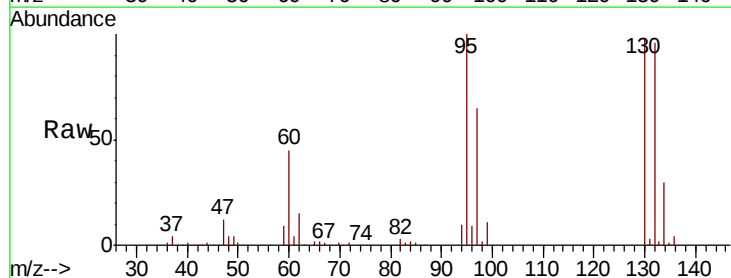
Tot Ion	43	Resp	283682
Ion Ratio	Lower	Upper	
43	100		
61	18.6	15.1	22.7
87	11.3	9.0	13.6

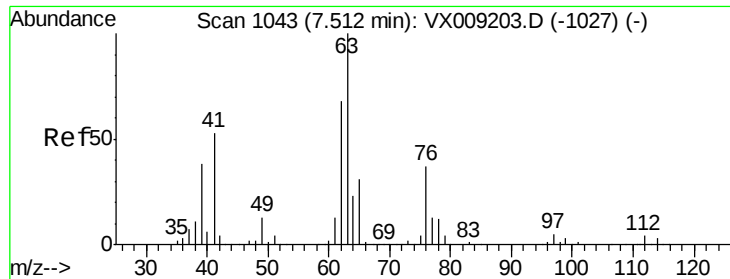


#44

Trichloroethene
 Concen: 51.888 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

Tgt Ion	130	Resp	90720
Ion Ratio	Lower	Upper	
130	100		
95	101.5	0.0	199.2





#45

1,2-Dichloropropane

Concen: 53.182 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

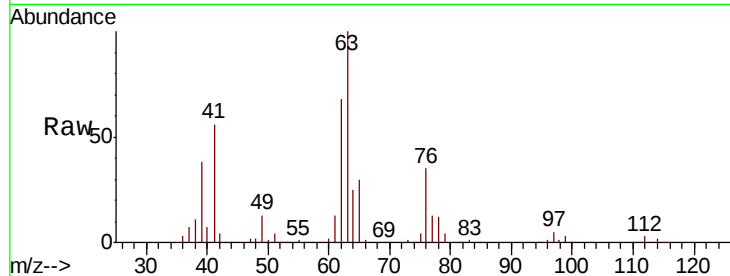
VSTDCCC050EC

Tot Ion: 63 Resp: 108909

Ion Ratio Lower Upper

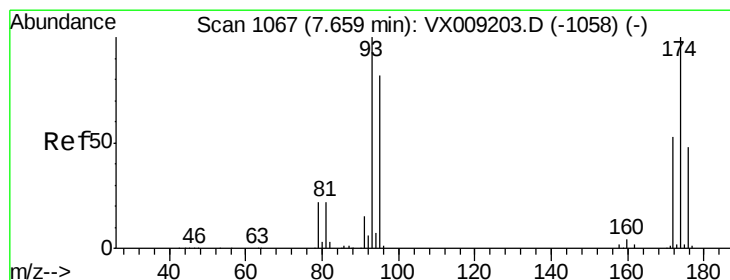
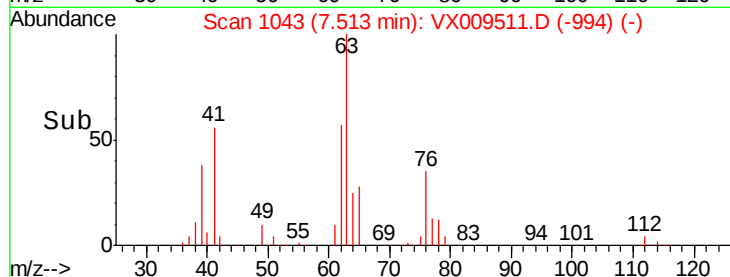
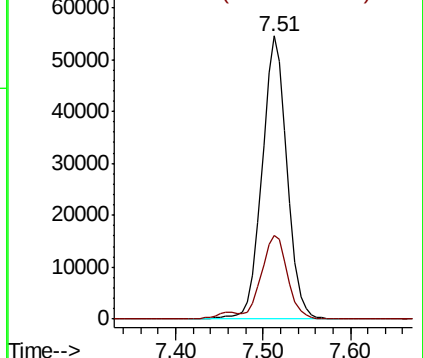
63 100

65 29.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.952 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

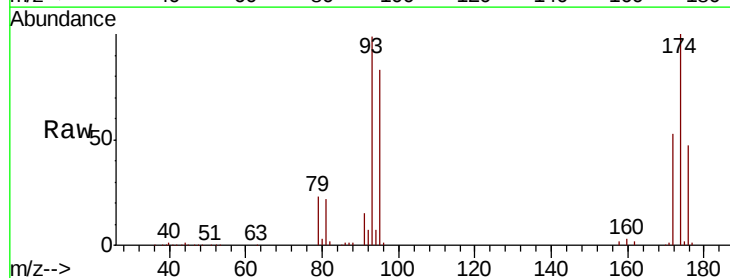
Tgt Ion: 93 Resp: 62970

Ion Ratio Lower Upper

93 100

95 82.7 66.5 99.7

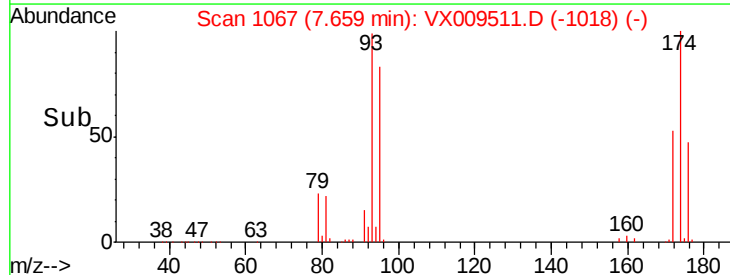
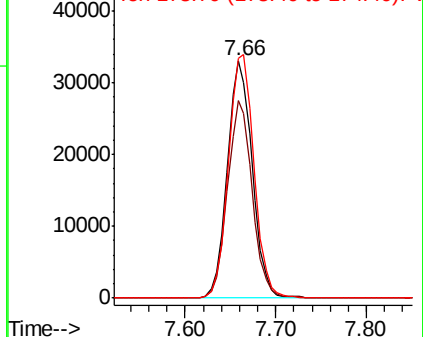
174 105.2 82.1 123.1

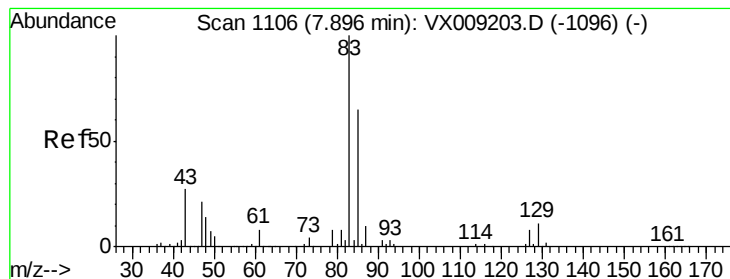


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.337 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

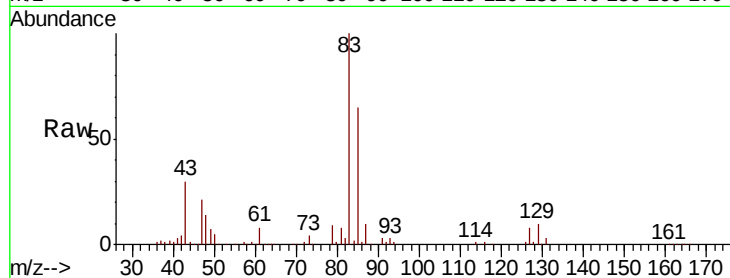
Tot Ion: 83 Resp: 126523

Ion Ratio Lower Upper

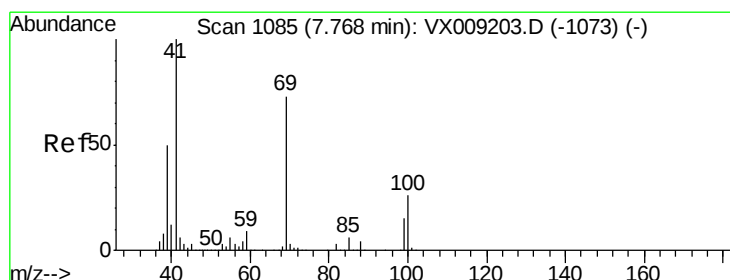
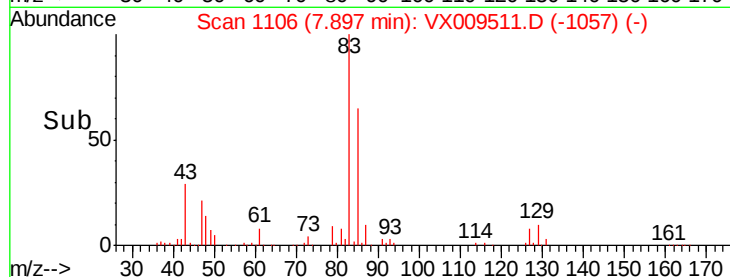
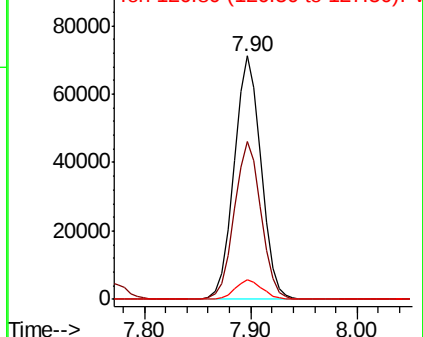
83 100

85 64.9 52.4 78.6

127 8.1 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 55.911 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

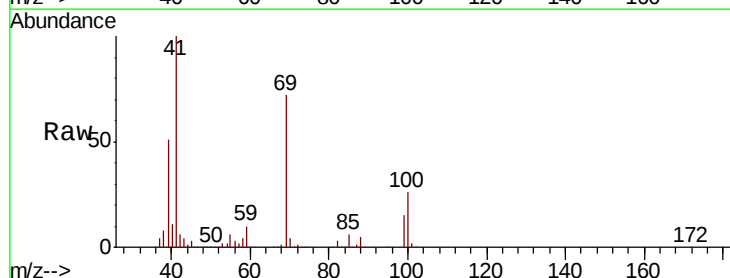
Tgt Ion: 41 Resp: 144465

Ion Ratio Lower Upper

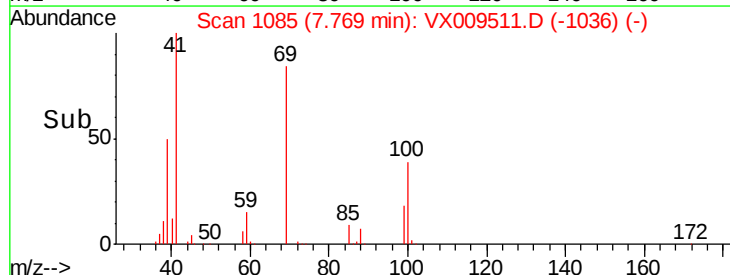
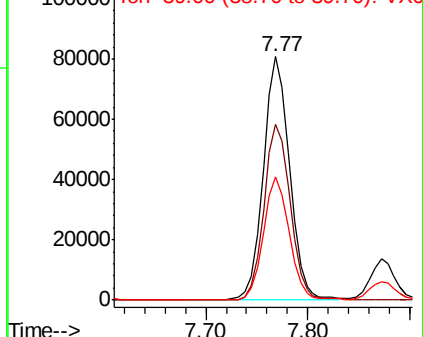
41 100

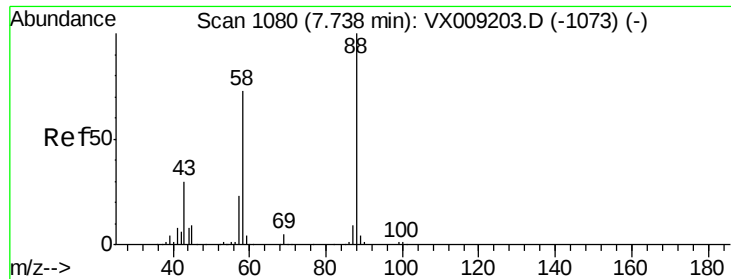
69 72.4 59.1 88.7

39 49.6 40.4 60.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

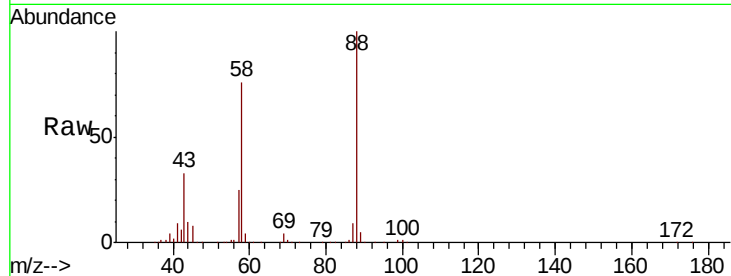




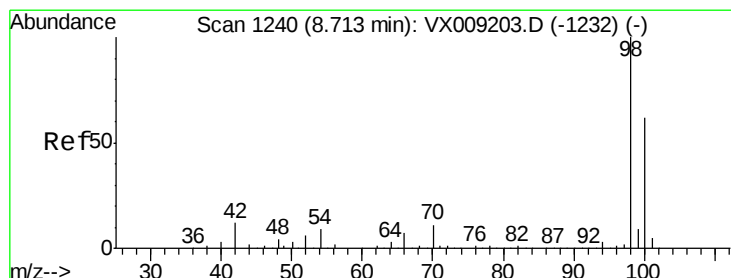
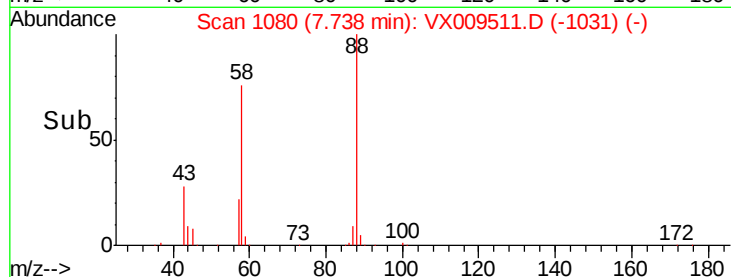
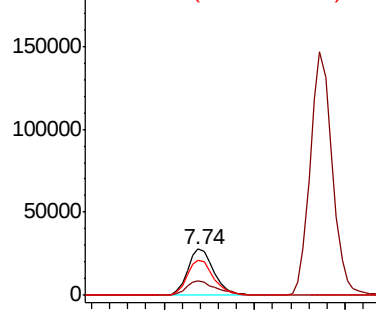
#49
1,4-Dioxane
Concen: 1077.296 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 56450
Ion Ratio Lower Upper
88 100
43 36.0 28.6 42.8
58 77.7 61.7 92.5

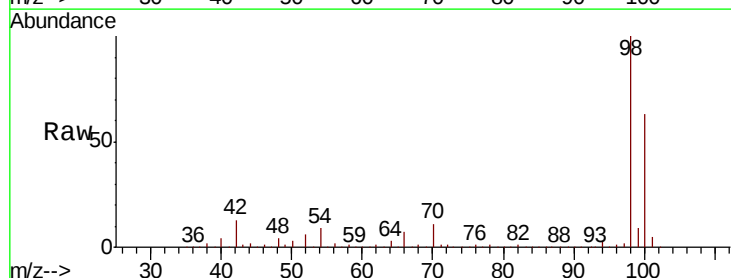


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

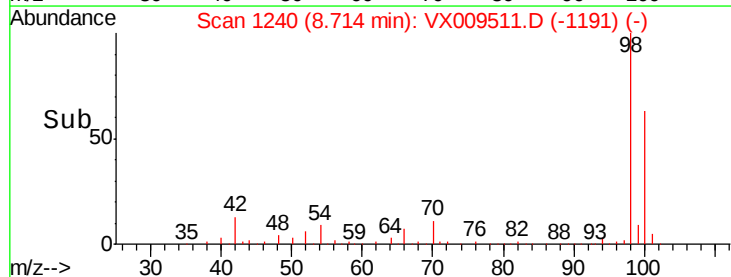
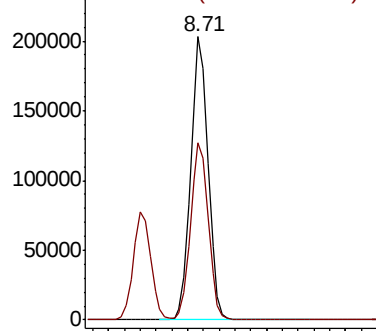


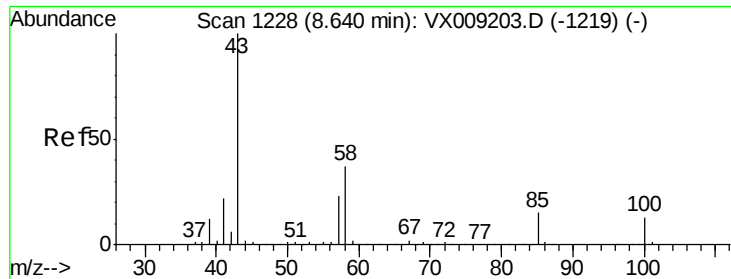
#50
Toluene-d8
Concen: 48.716 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Tgt Ion: 98 Resp: 310903
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 279.712 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

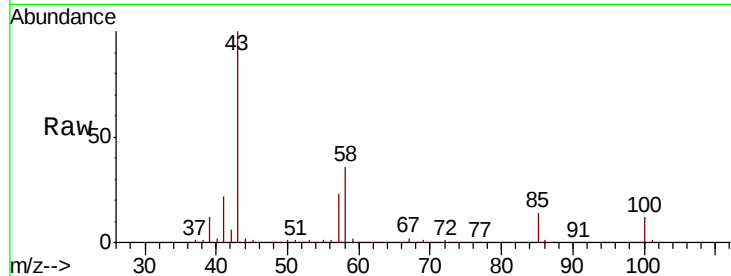
VSTDCCC050EC

Tot Ion: 43 Resp: 952161

Ion Ratio Lower Upper

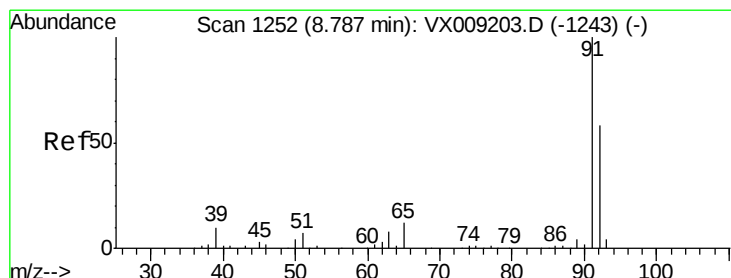
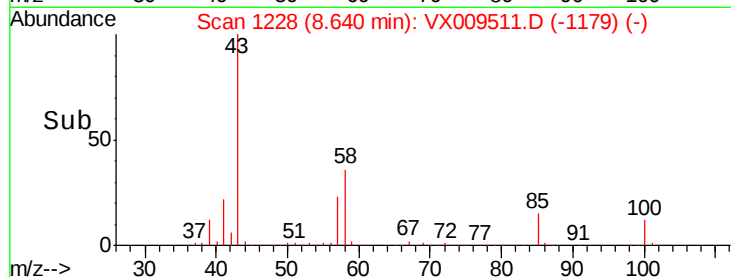
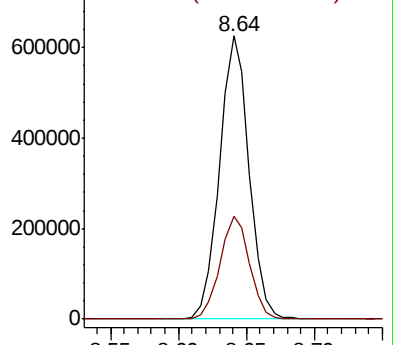
43 100

58 36.4 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.350 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009511.D

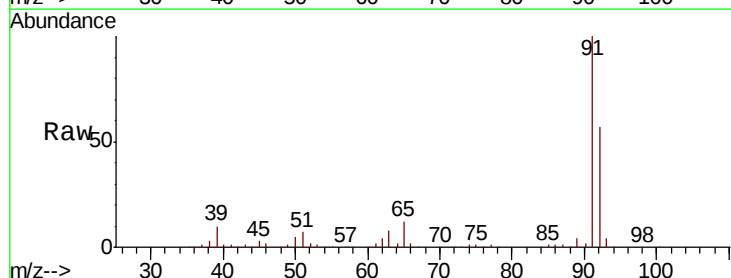
Acq: 11 May 2019 03:04

Tgt Ion: 92 Resp: 234537

Ion Ratio Lower Upper

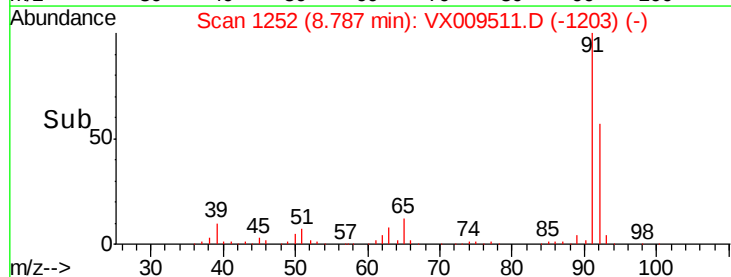
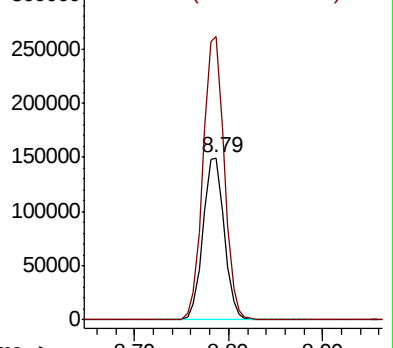
92 100

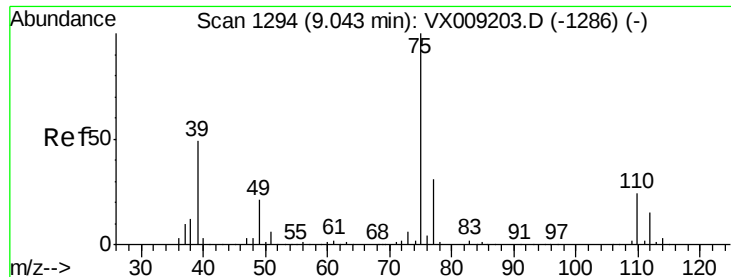
91 174.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 51.713 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

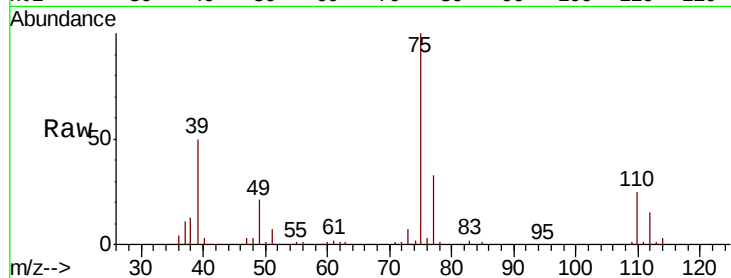
VSTDCCC050EC

Tot Ion: 75 Resp: 138497

Ion Ratio Lower Upper

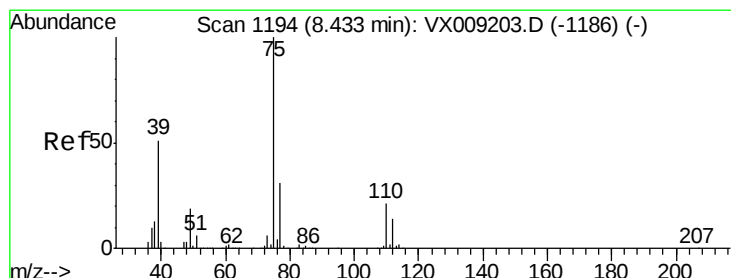
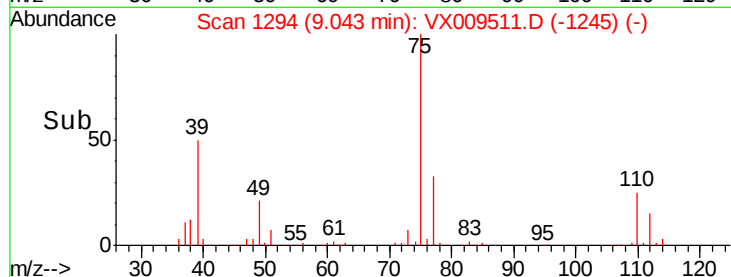
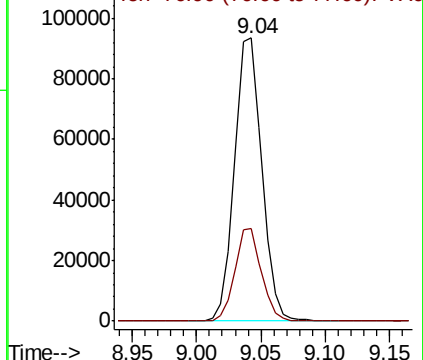
75 100

77 32.9 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 52.597 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

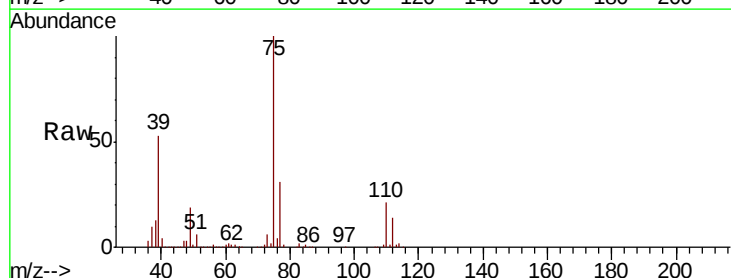
Tgt Ion: 75 Resp: 155916

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

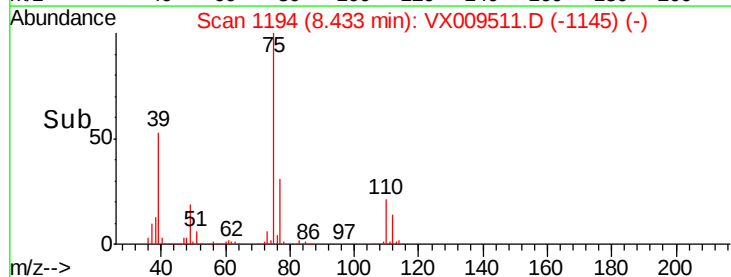
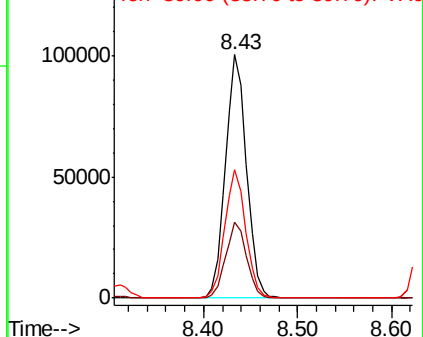
39 52.8 40.6 60.8

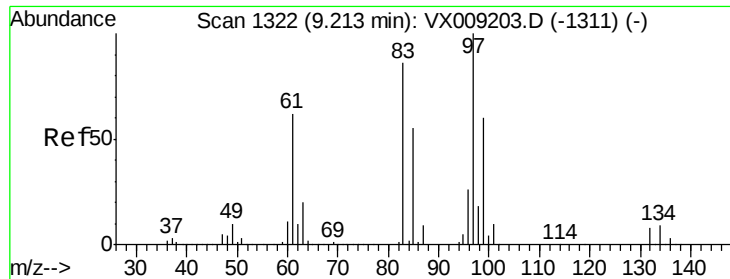


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

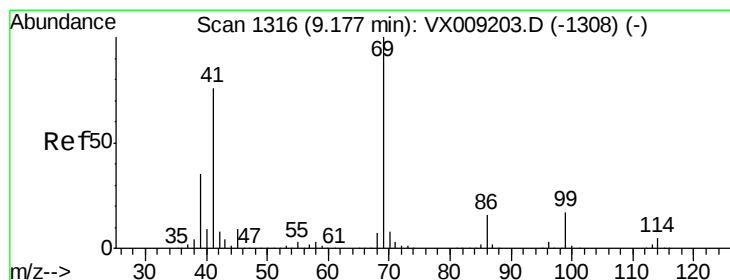
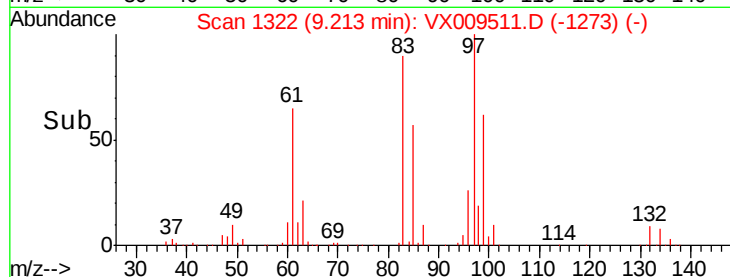
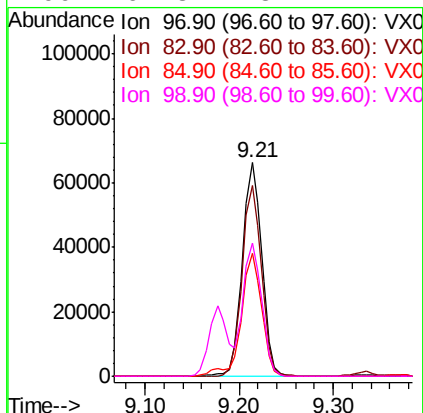
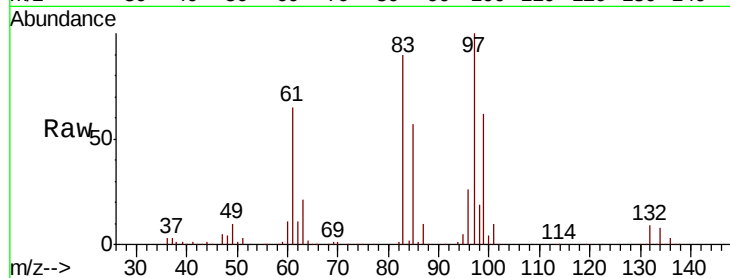




#55
 1,1,2-Trichloroethane
 Concen: 53.443 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

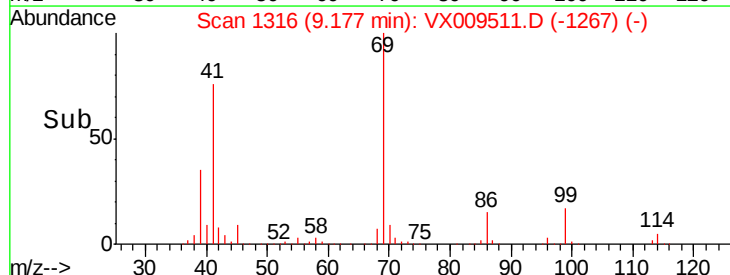
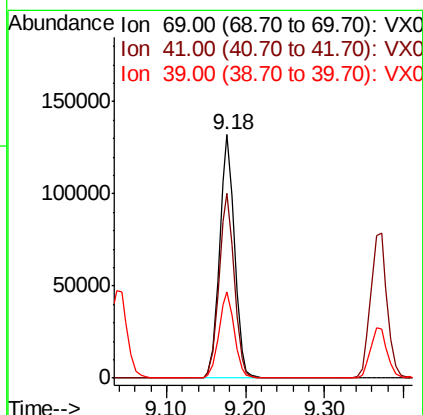
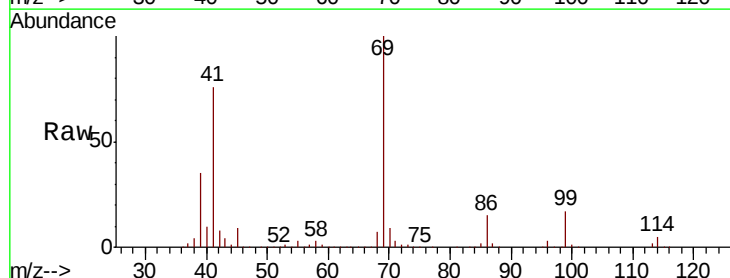
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

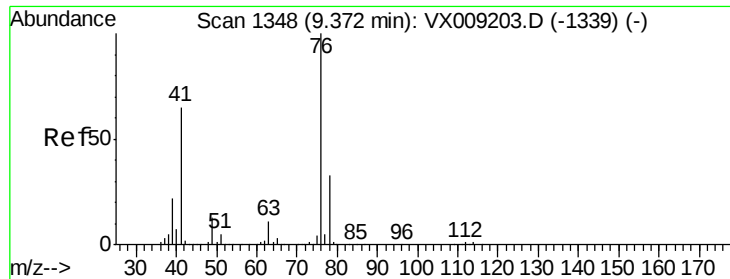
Tot Ion:	97	Resp:	95853
Ion	Ratio	Lower	Upper
97	100		
83	89.5	68.9	103.3
85	57.4	43.8	65.6
99	62.3	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 54.694 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

Tgt Ion:	69	Resp:	175105
Ion	Ratio	Lower	Upper
69	100		
41	76.6	60.6	90.8
39	36.3	28.2	42.4





#57

1,3-Dichloropropane

Concen: 53.293 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

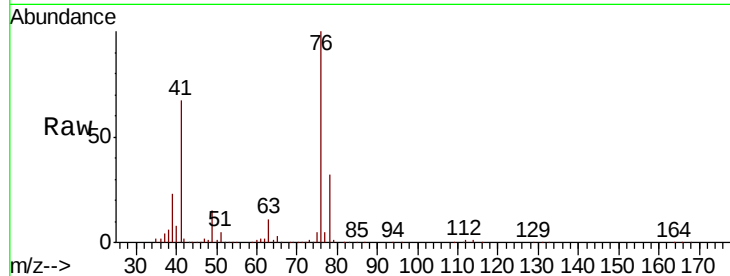
VSTDCCC050EC

Tot Ion: 76 Resp: 168202

Ion Ratio Lower Upper

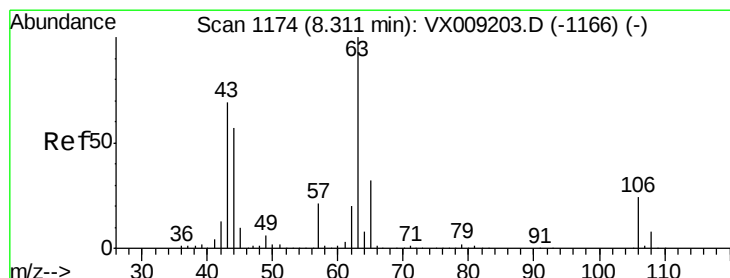
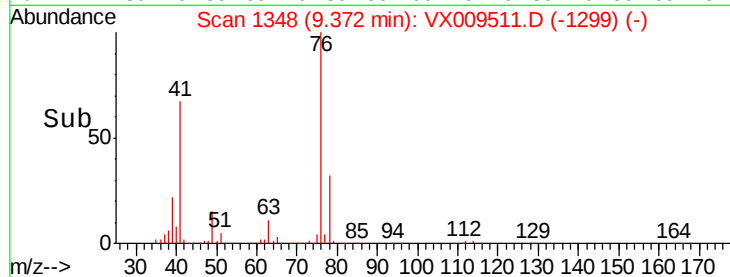
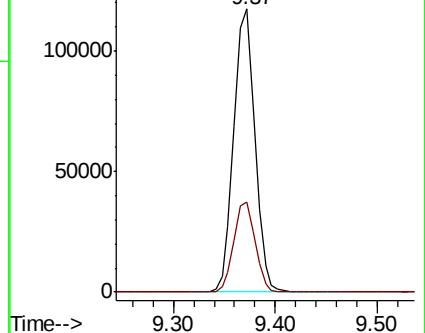
76 100

78 32.3 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 243.483 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009511.D

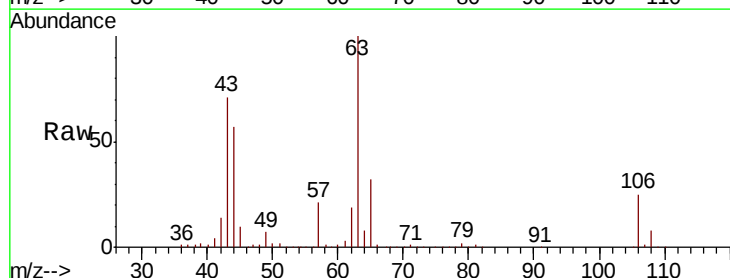
Acq: 11 May 2019 03:04

Tgt Ion: 63 Resp: 413536

Ion Ratio Lower Upper

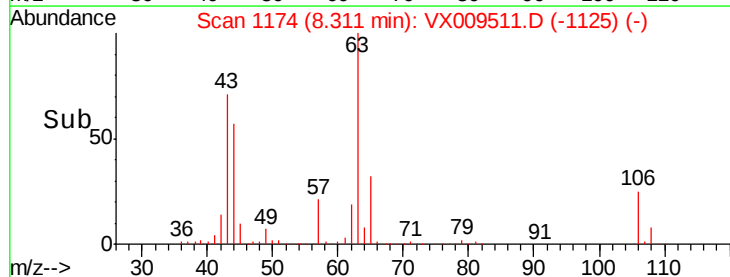
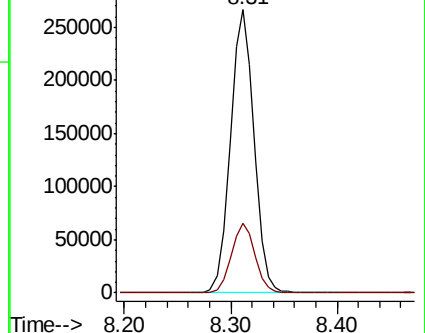
63 100

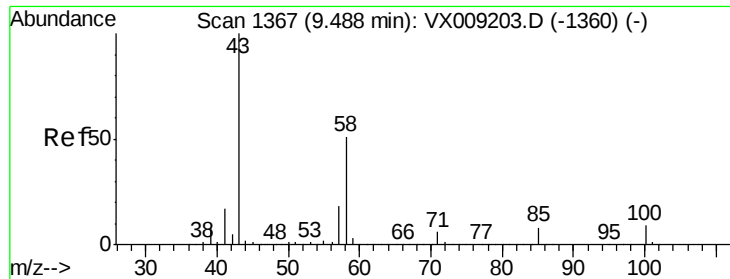
106 24.7 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

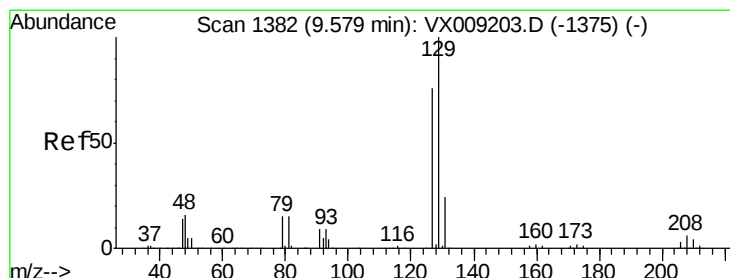
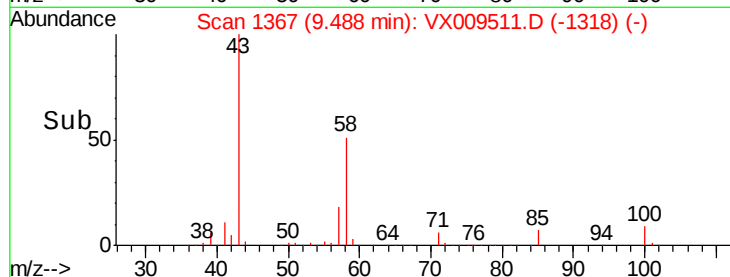
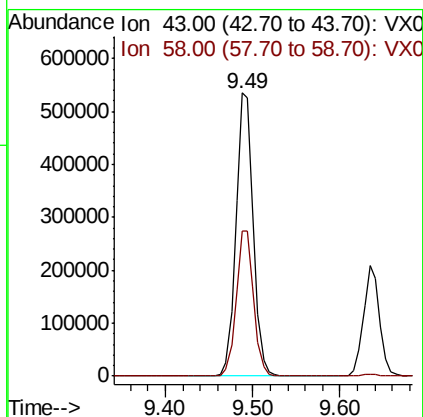
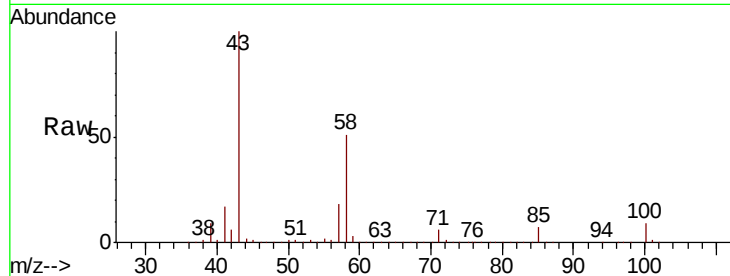




#59
2-Hexanone
Concen: 277.410 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

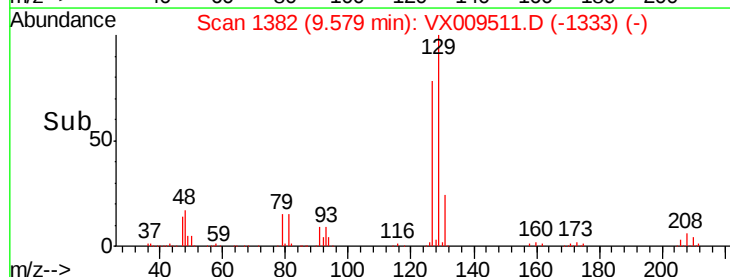
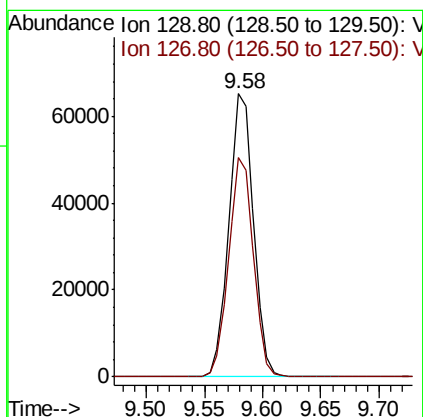
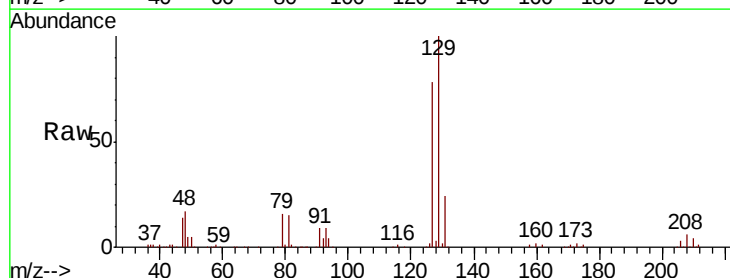
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

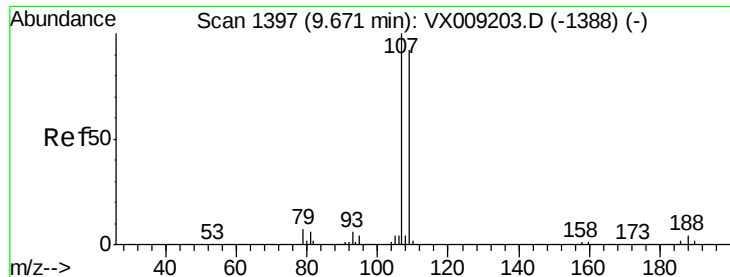
Tot Ion: 43 Resp: 741660
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7



#60
Dibromochloromethane
Concen: 54.803 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Tgt Ion:129 Resp: 95999
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.1





#61

1,2-Dibromoethane

Concen: 54.486 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

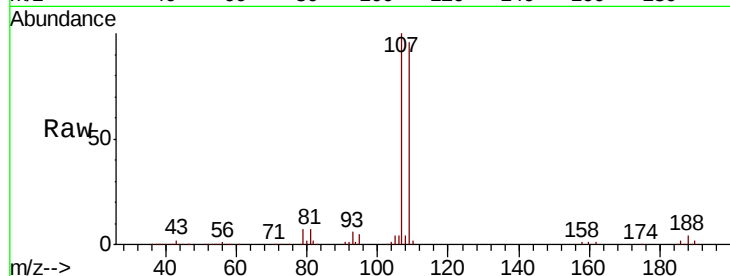
VSTDCCC050EC

Tot Ion:107 Resp: 98645

Ion Ratio Lower Upper

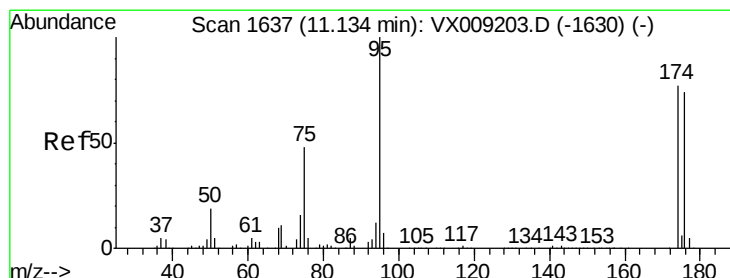
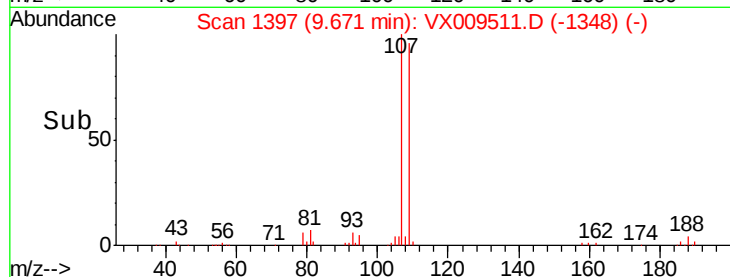
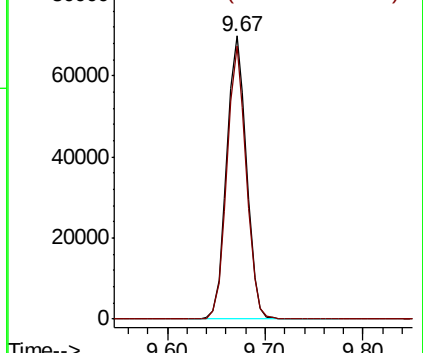
107 100

109 93.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.472 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

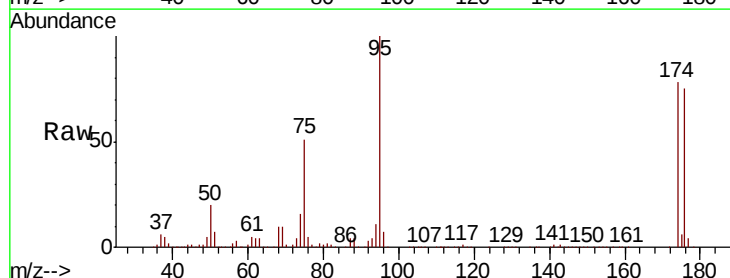
Tgt Ion: 95 Resp: 114725

Ion Ratio Lower Upper

95 100

174 83.0 0.0 161.6

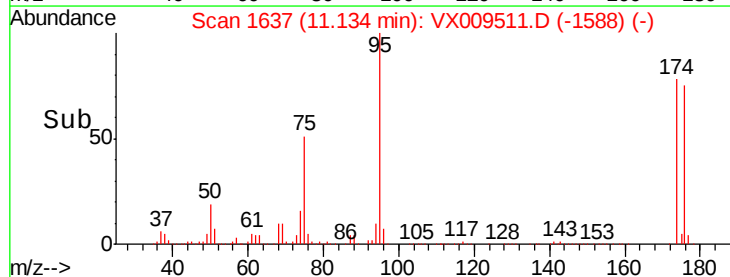
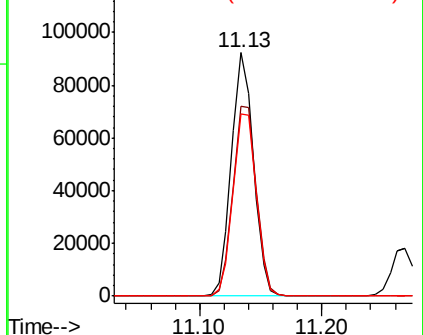
176 79.6 0.0 159.2

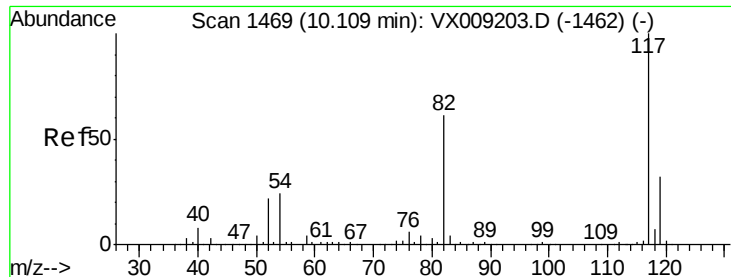


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

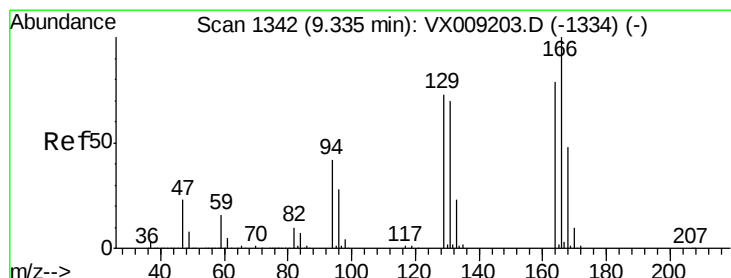
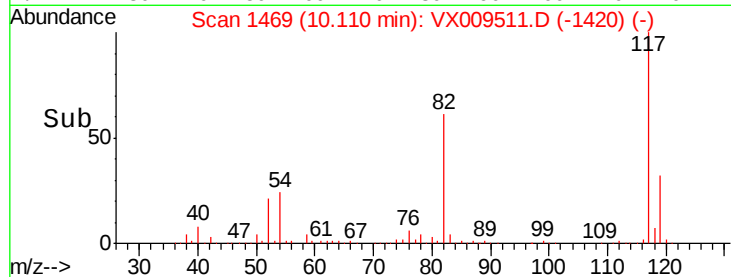
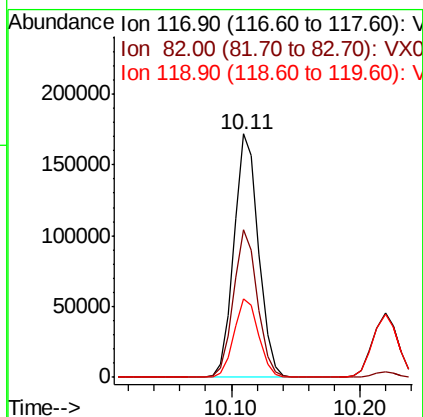
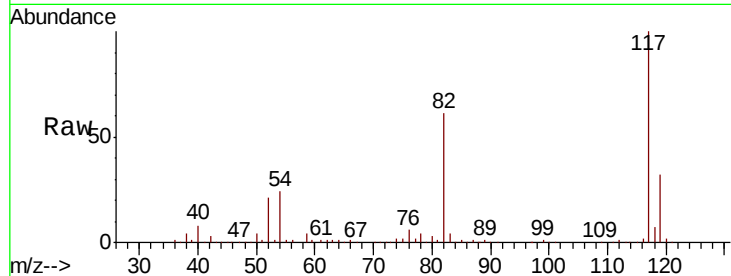




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

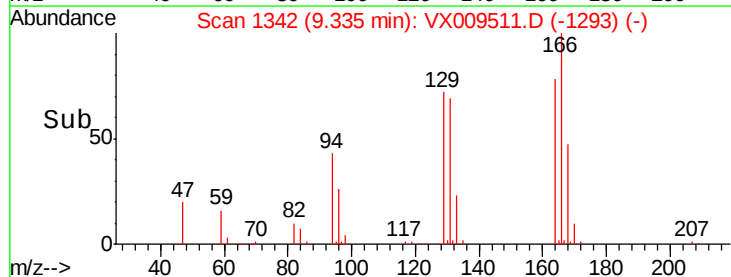
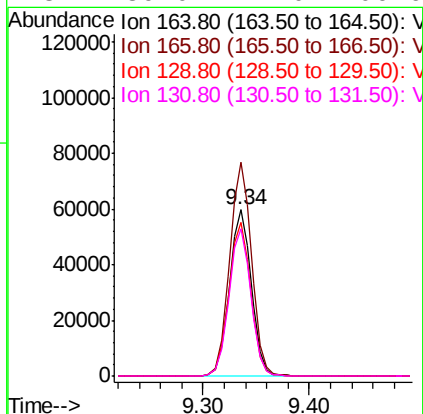
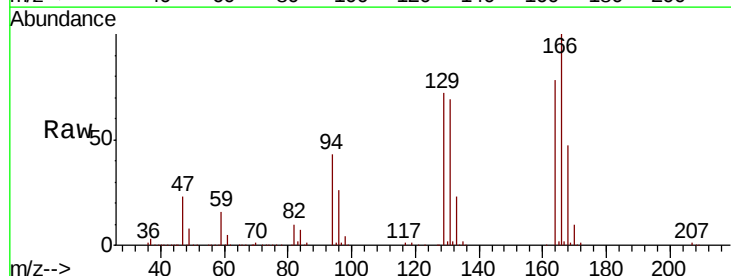
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

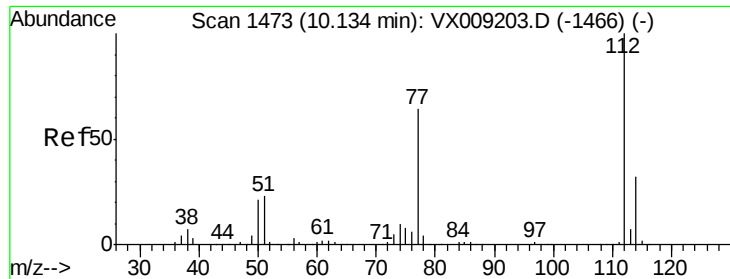
Tot Ion:117 Resp: 228147
Ion Ratio Lower Upper
117 100
82 60.6 48.8 73.2
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 55.119 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Tgt Ion:164 Resp: 86260
Ion Ratio Lower Upper
164 100
166 128.6 101.2 151.8
129 92.2 74.3 111.5
131 89.0 71.0 106.6

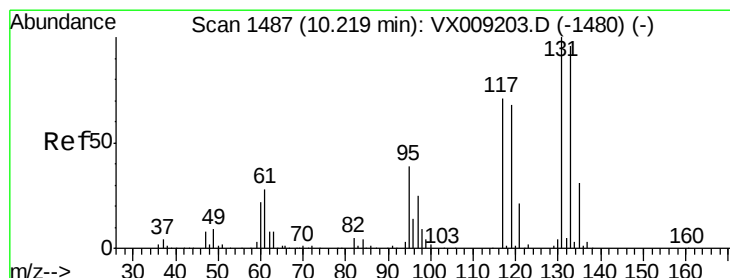
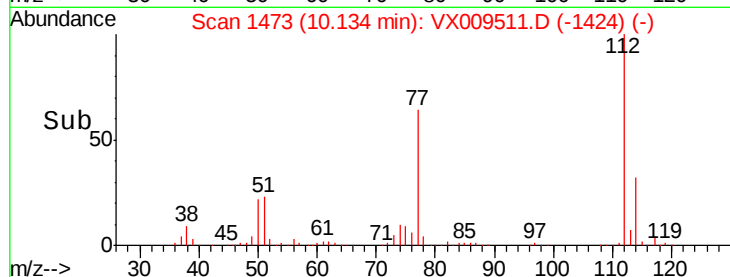
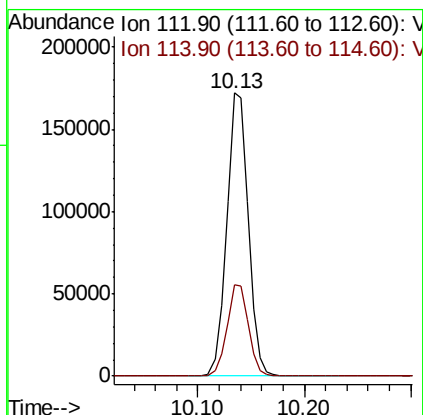
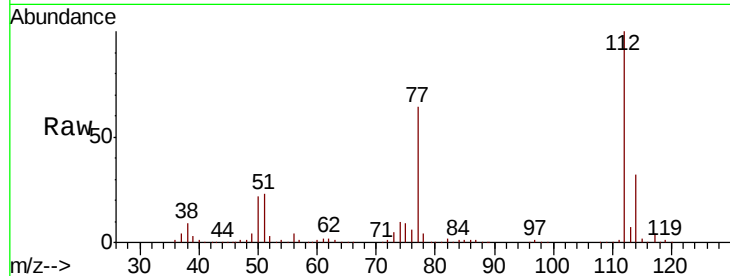




#65
Chlorobenzene
Concen: 53.283 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

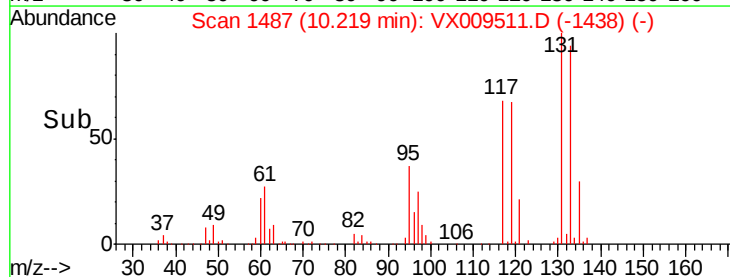
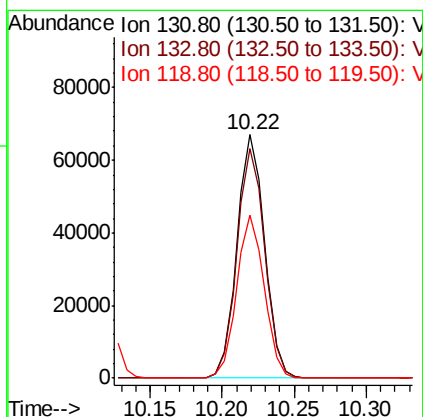
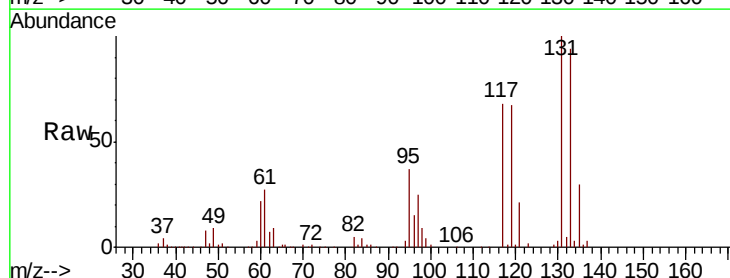
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

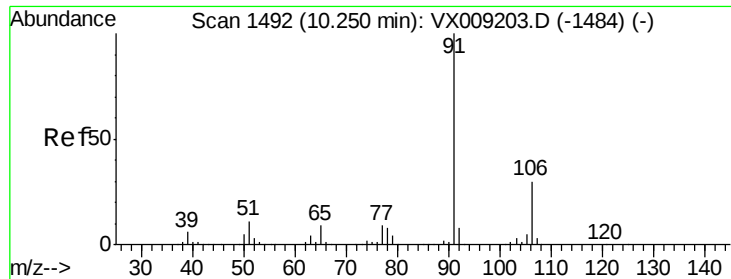
Tot Ion:112 Resp: 243184
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 54.056 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Tgt Ion:131 Resp: 89442
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 66.9 33.5 100.4





#67

Ethyl Benzene

Concen: 53.759 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

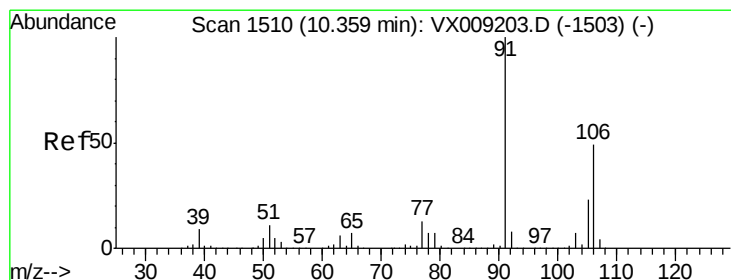
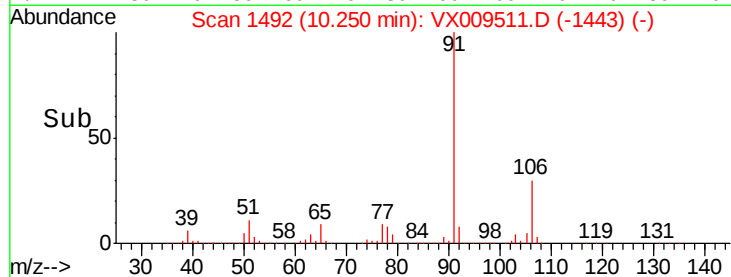
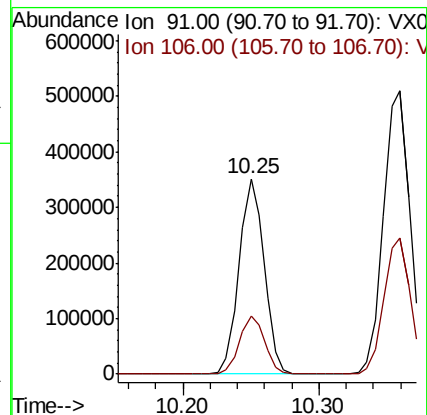
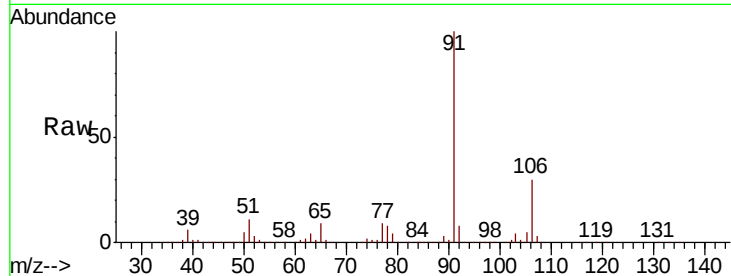
VSTDCCC050EC

Tot Ion: 91 Resp: 451549

Ion Ratio Lower Upper

91 100

106 30.1 24.0 36.0



#68

m/p-Xylenes

Concen: 107.563 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009511.D

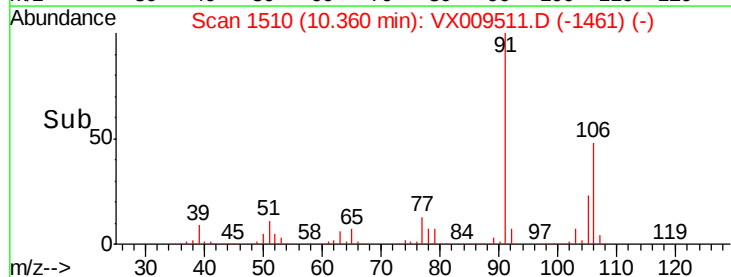
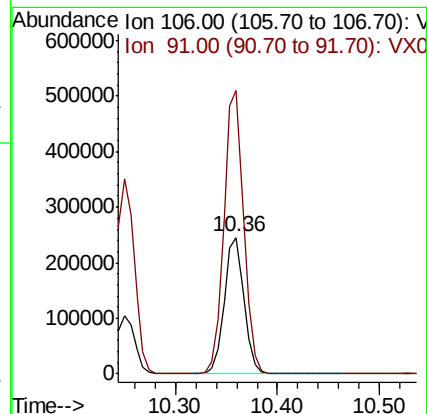
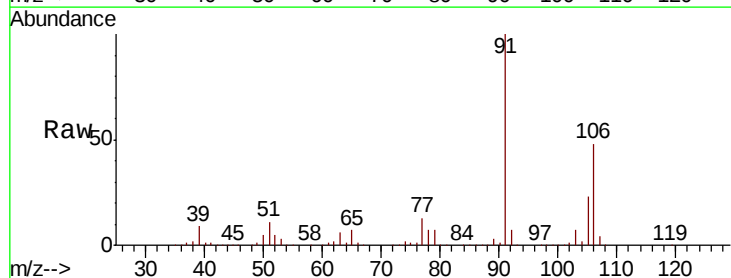
Acq: 11 May 2019 03:04

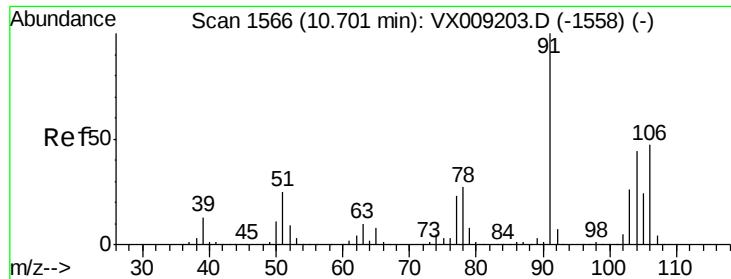
Tgt Ion: 106 Resp: 330155

Ion Ratio Lower Upper

106 100

91 209.0 164.0 246.0

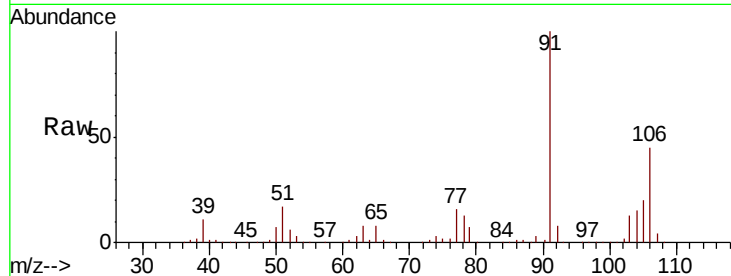




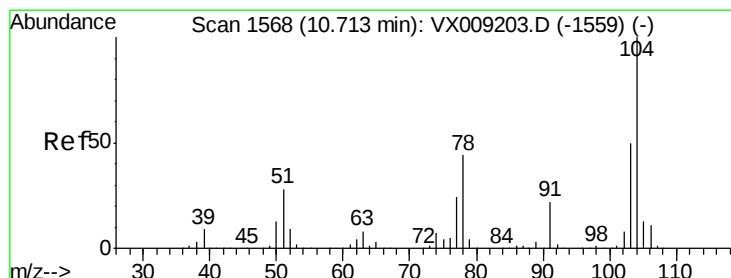
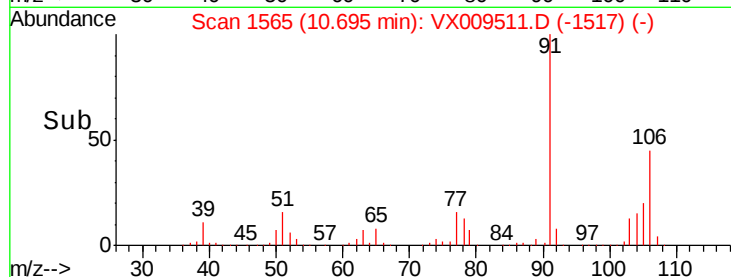
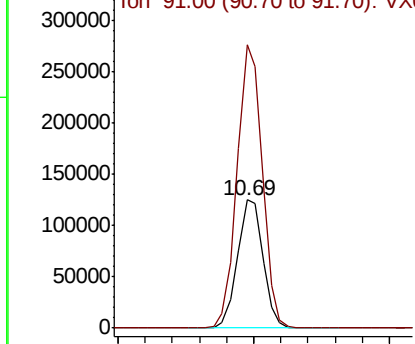
#69
o-Xylene
Concen: 53.826 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 163008
Ion Ratio Lower Upper
106 100
91 218.9 109.5 328.4

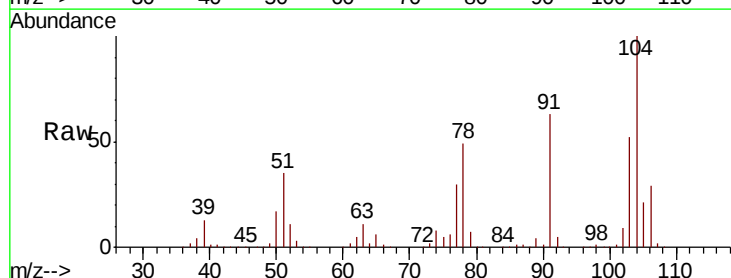


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

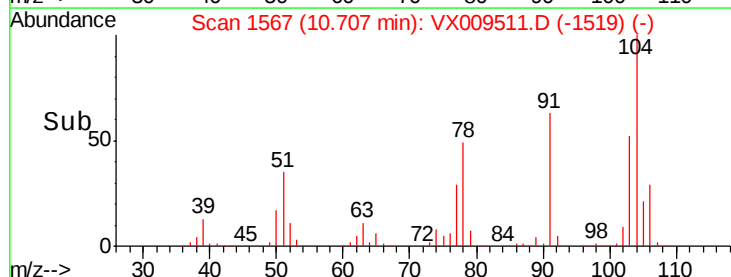
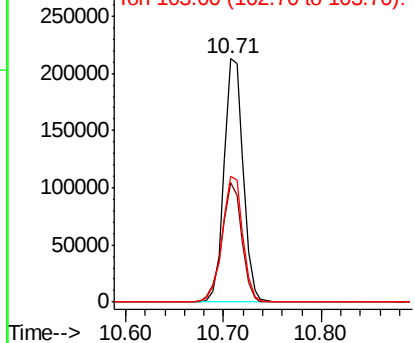


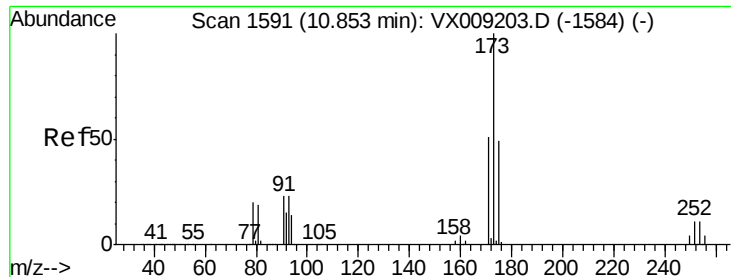
#70
Styrene
Concen: 54.651 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Tgt Ion:104 Resp: 287664
Ion Ratio Lower Upper
104 100
78 51.3 41.0 61.4
103 55.3 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.951 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

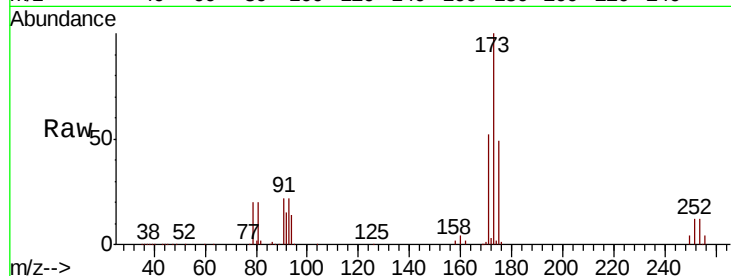
Tot Ion:173 Resp: 73889

Ion Ratio Lower Upper

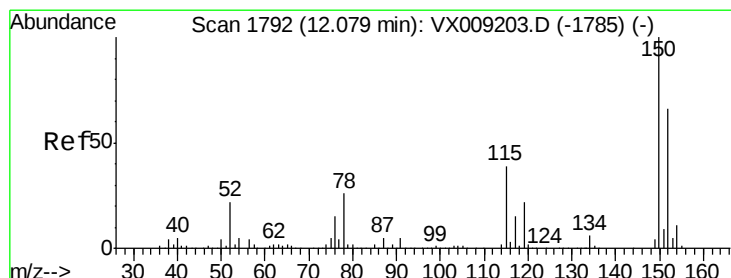
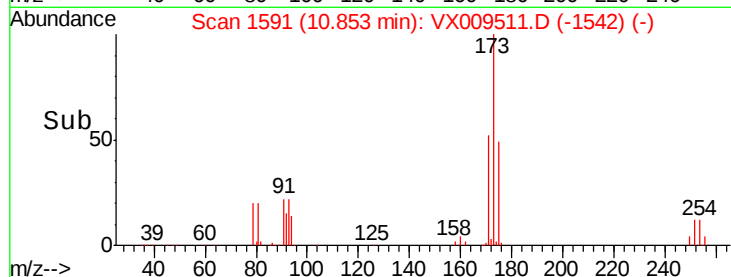
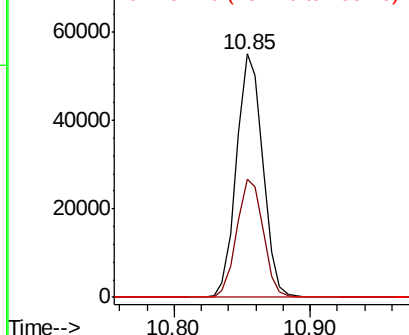
173 100

175 48.8 24.5 73.5

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

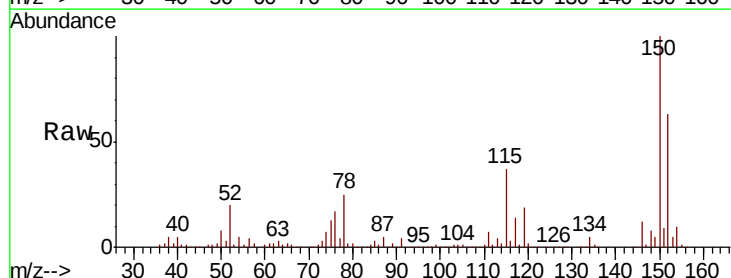
Tgt Ion:152 Resp: 114210

Ion Ratio Lower Upper

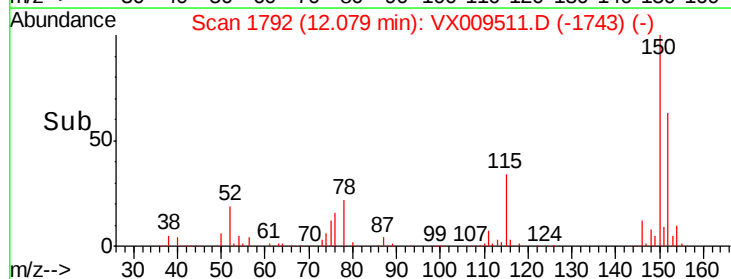
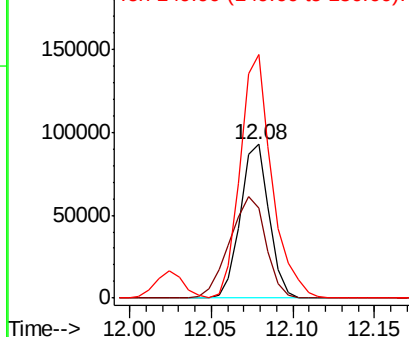
152 100

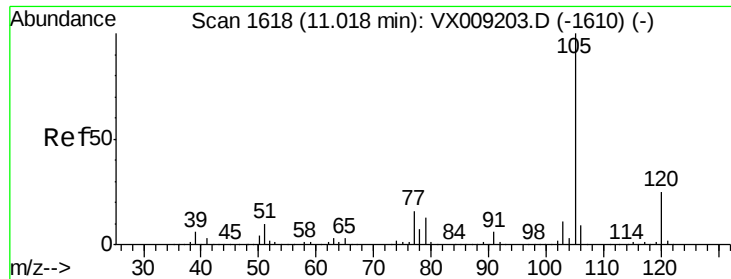
115 82.8 41.2 123.6

150 174.4 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.647 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

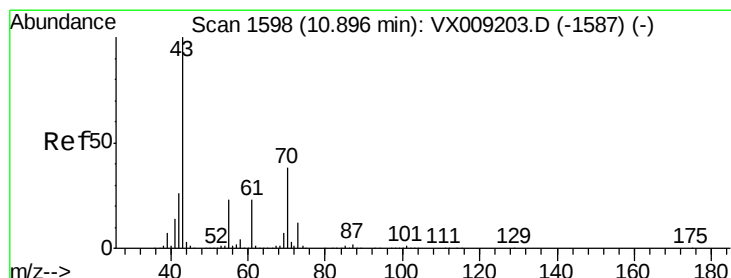
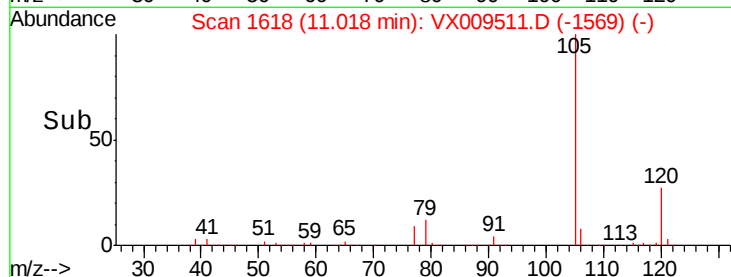
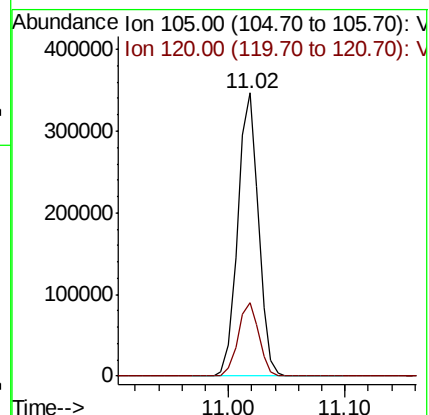
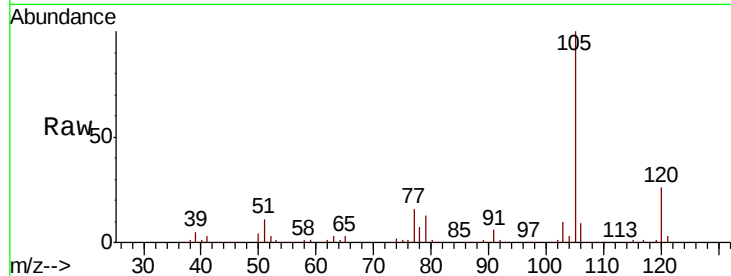
VSTDCCC050EC

Tot Ion:105 Resp: 428941

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.3



#74

N-ethyl acetate

Concen: 54.250 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Tgt Ion: 43 Resp: 262678

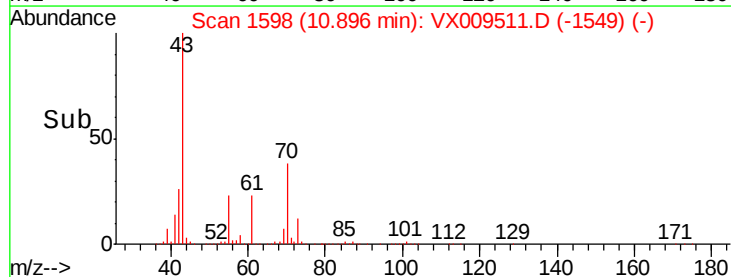
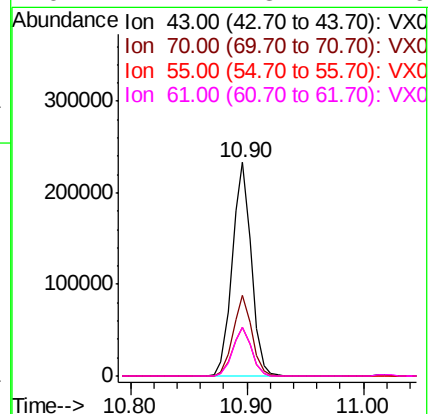
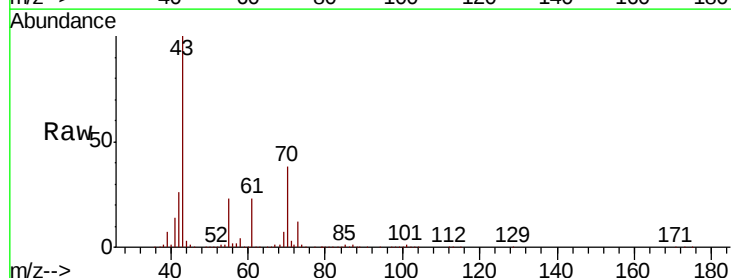
Ion Ratio Lower Upper

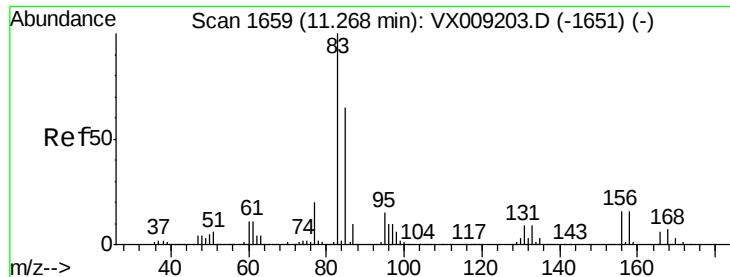
43 100

70 37.3 30.0 45.0

55 22.9 17.9 26.9

61 22.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.798 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

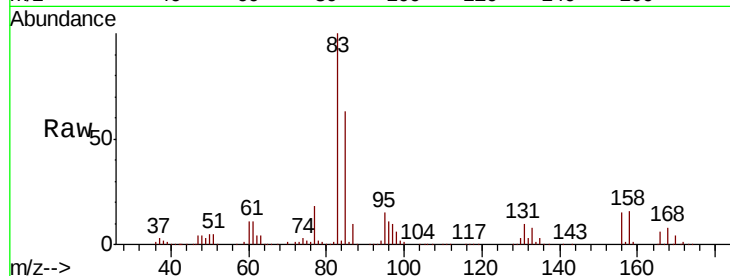
Tot Ion: 83 Resp: 163466

Ion Ratio Lower Upper

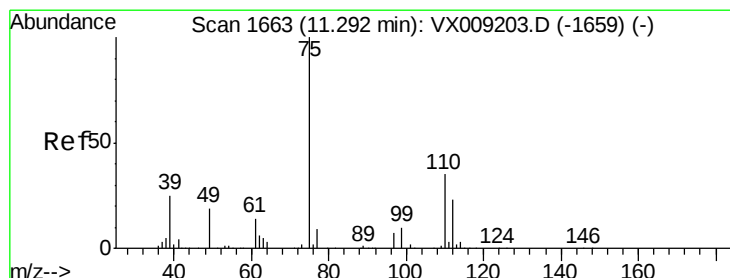
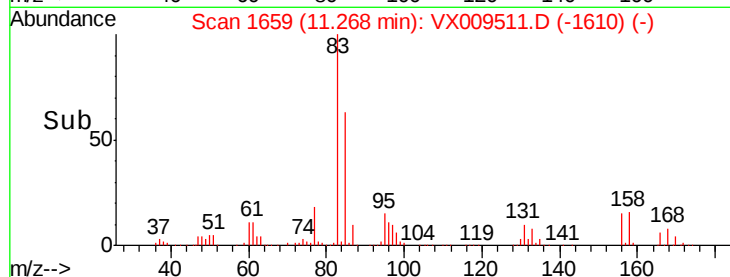
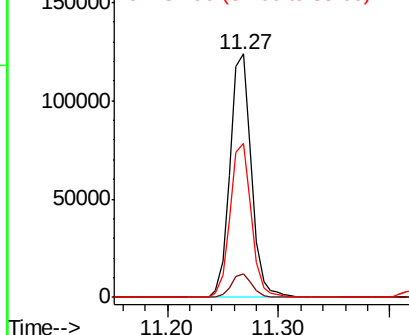
83 100

131 9.3 4.6 13.8

85 63.6 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 70.203 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009511.D

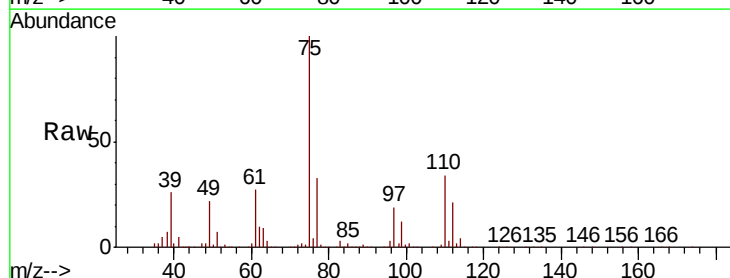
Acq: 11 May 2019 03:04

Tgt Ion: 75 Resp: 185985

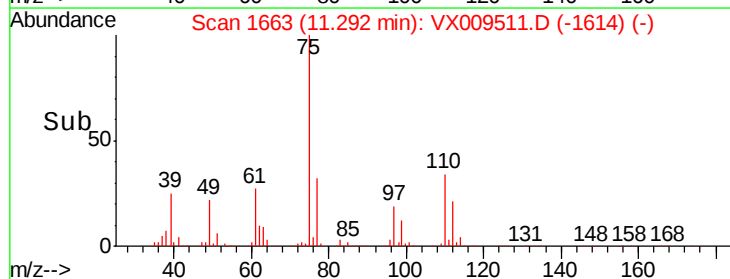
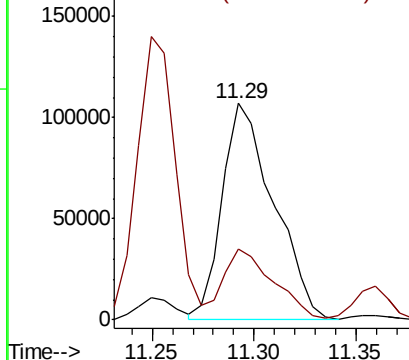
Ion Ratio Lower Upper

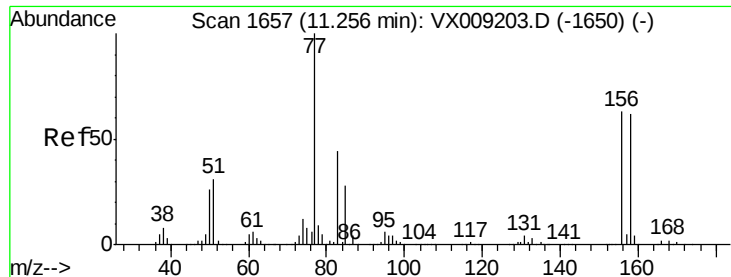
75 100

77 32.4 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.277 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

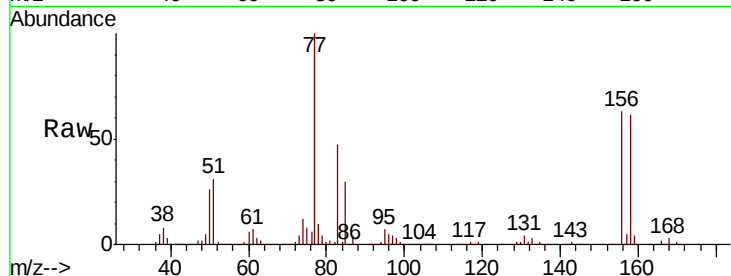
Tot Ion:156 Resp: 107764

Ion Ratio Lower Upper

156 100

77 169.5 84.8 254.3

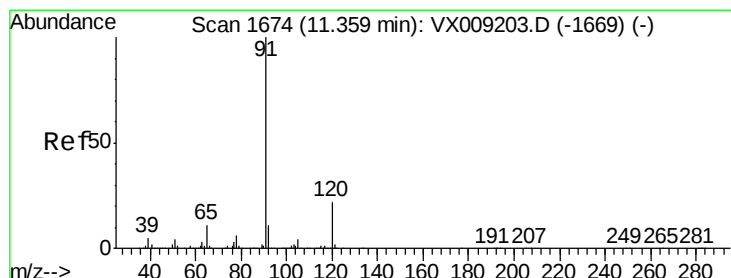
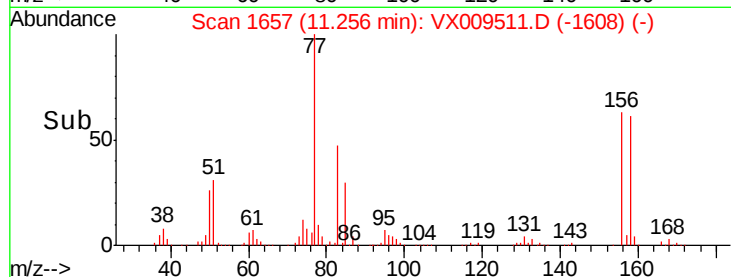
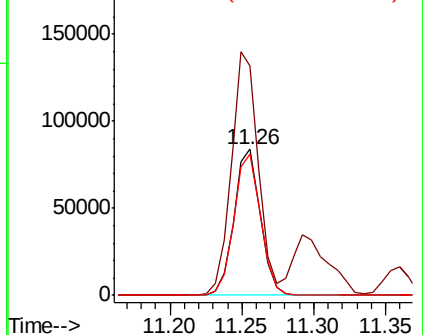
158 97.5 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.980 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009511.D

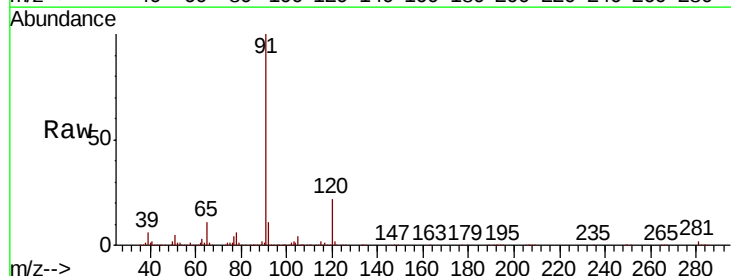
Acq: 11 May 2019 03:04

Tgt Ion: 91 Resp: 493032

Ion Ratio Lower Upper

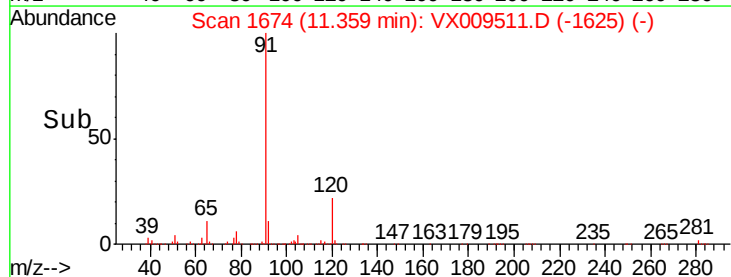
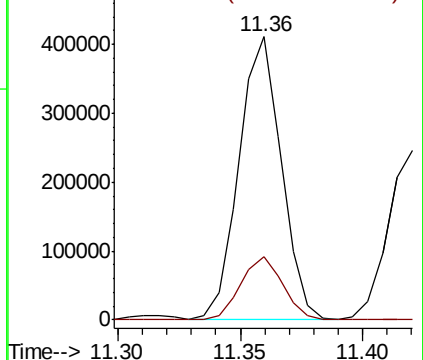
91 100

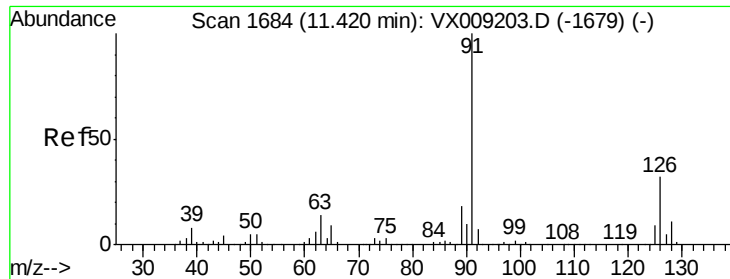
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

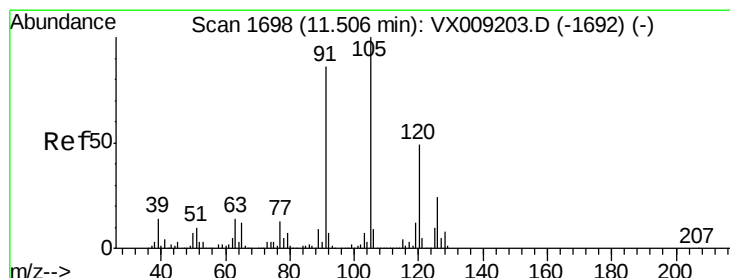
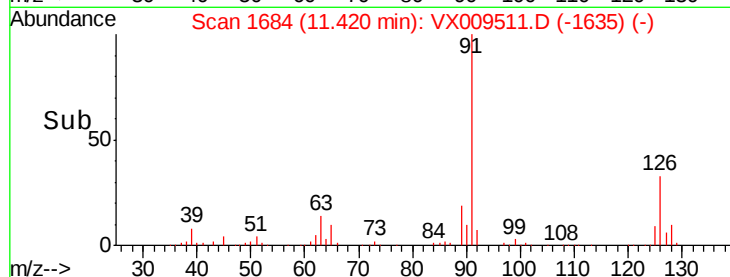
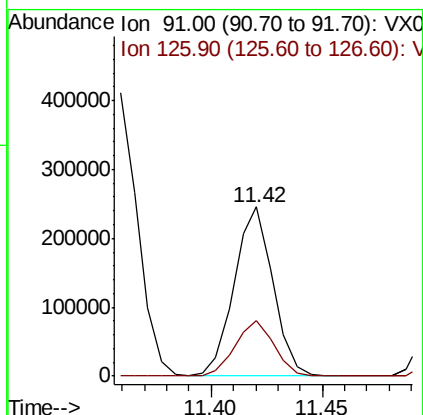
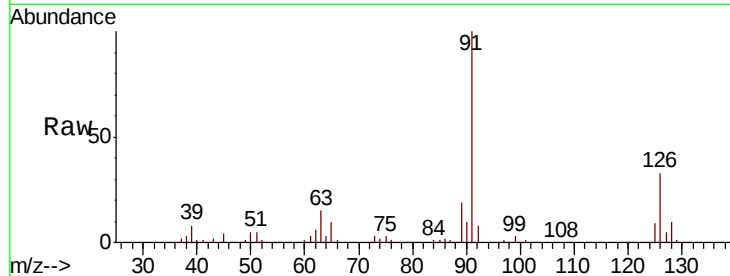




#79
 2-Chlorotoluene
 Concen: 50.694 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

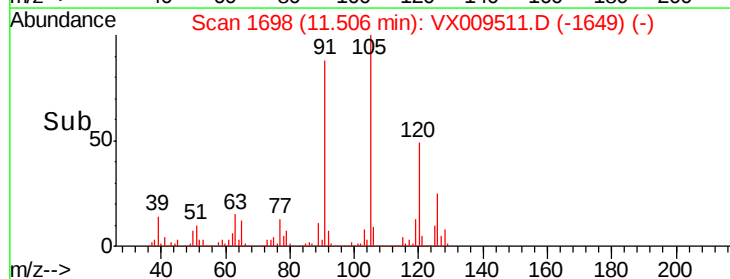
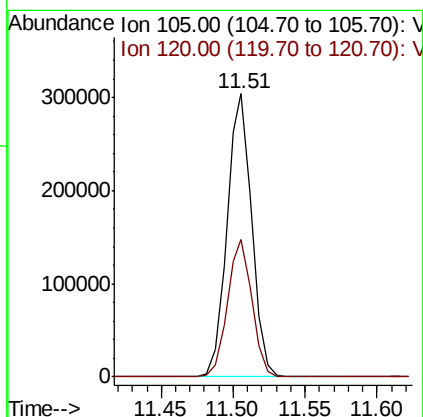
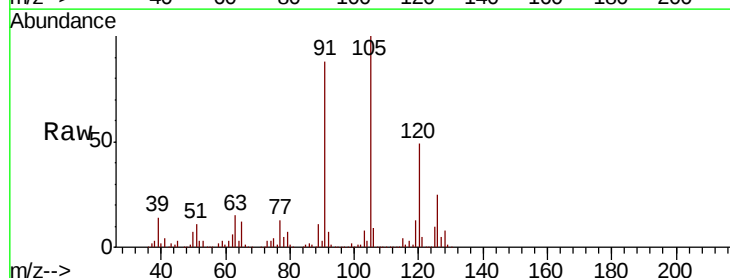
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

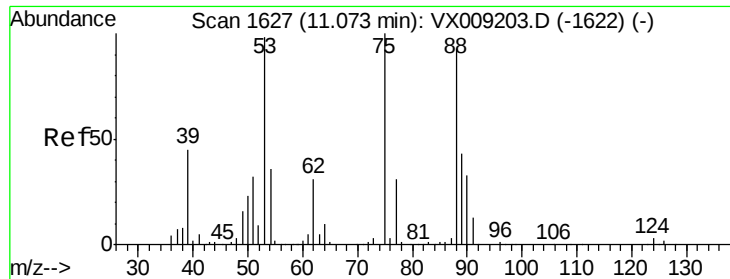
Tot Ion: 91 Resp: 296650
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 52.235 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

Tgt Ion:105 Resp: 365278
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 47.931 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

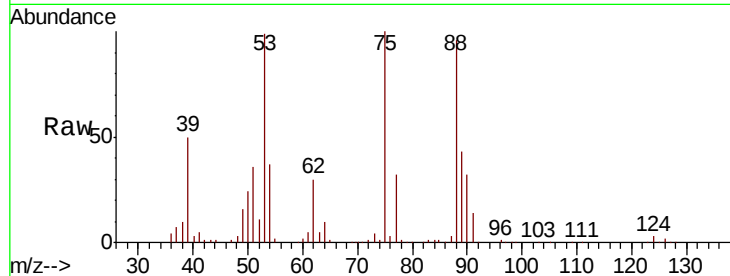
Tot Ion: 75 Resp: 49629

Ion Ratio Lower Upper

75 100

53 101.9 79.0 118.6

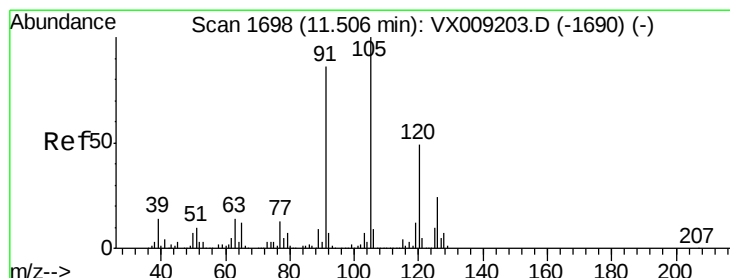
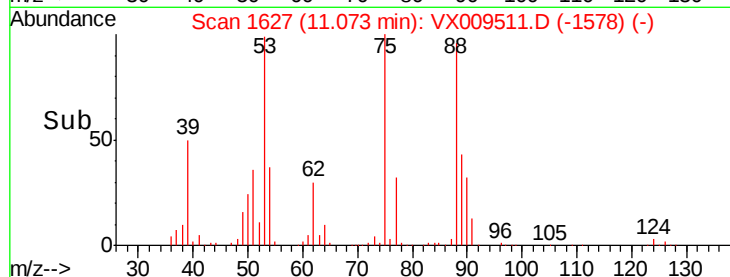
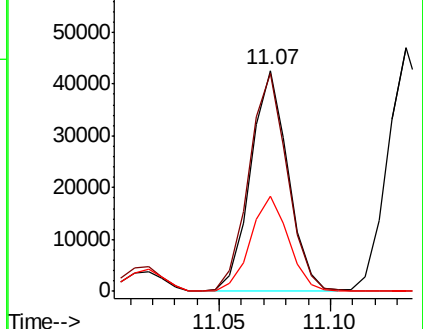
89 44.2 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 51.763 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009511.D

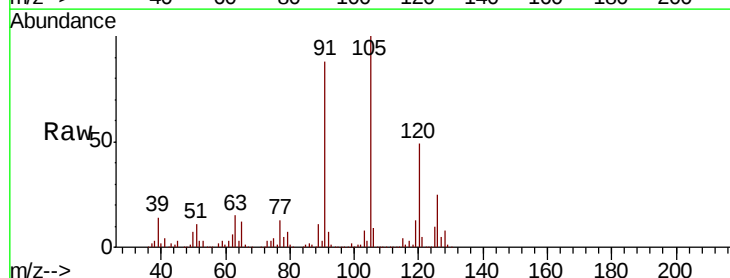
Acq: 11 May 2019 03:04

Tgt Ion: 91 Resp: 342197

Ion Ratio Lower Upper

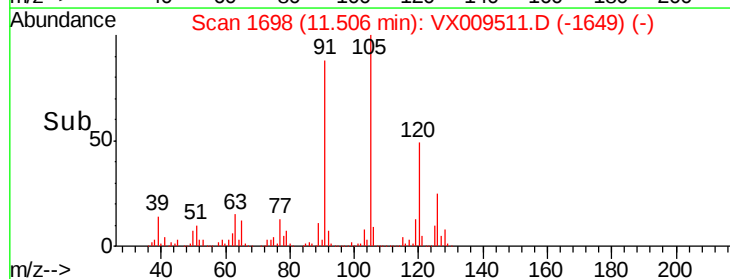
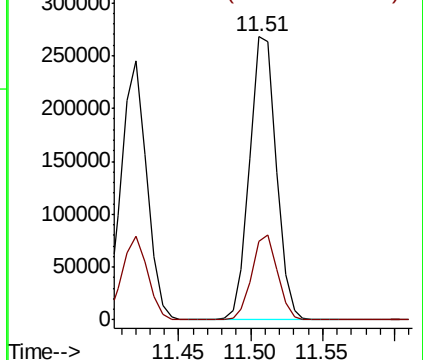
91 100

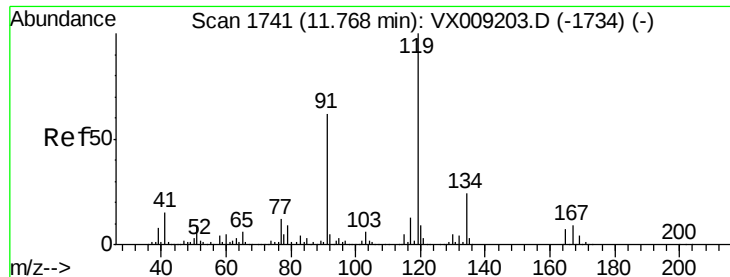
126 29.0 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 51.688 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

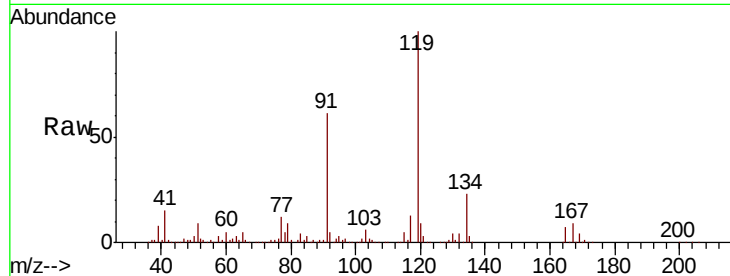
Tot Ion:119 Resp: 351624

Ion Ratio Lower Upper

119 100

91 58.9 29.5 88.5

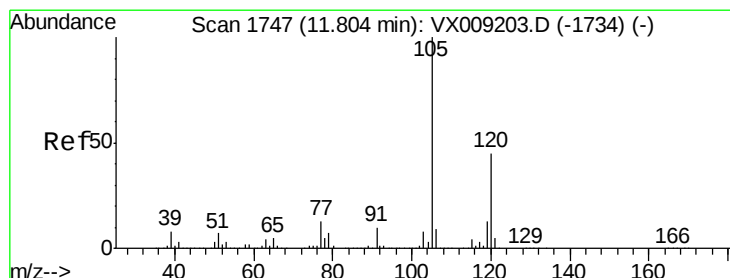
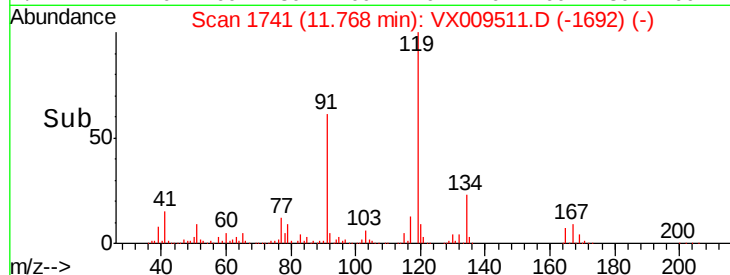
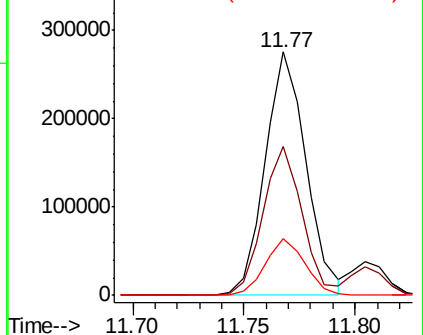
134 22.6 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.698 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009511.D

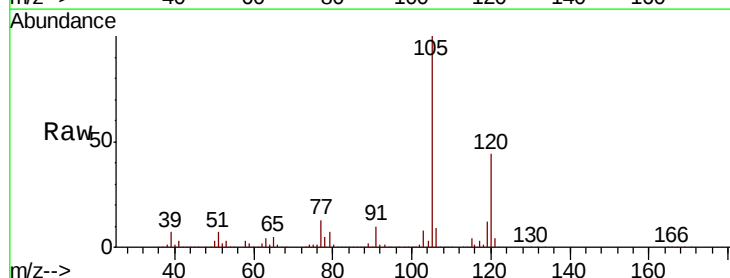
Acq: 11 May 2019 03:04

Tgt Ion:105 Resp: 369902

Ion Ratio Lower Upper

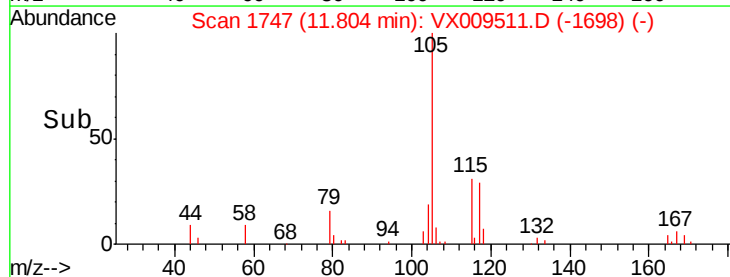
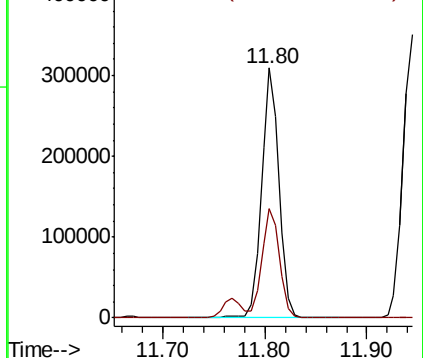
105 100

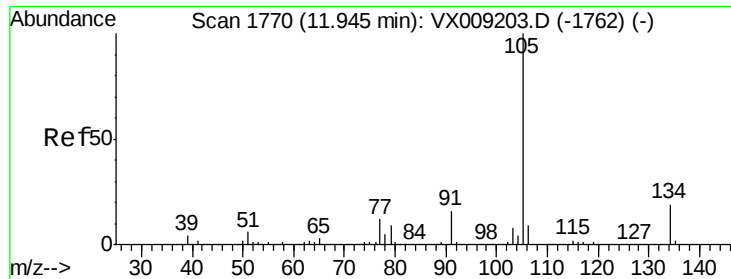
120 44.5 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

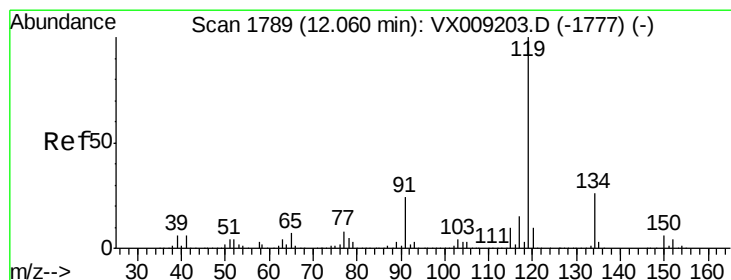
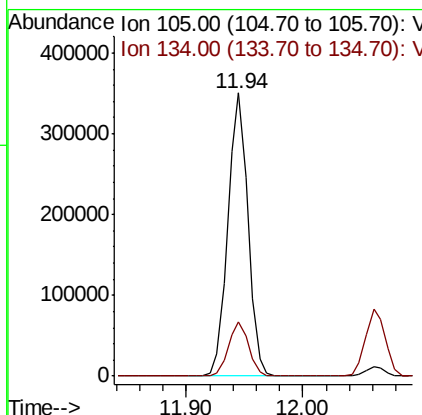
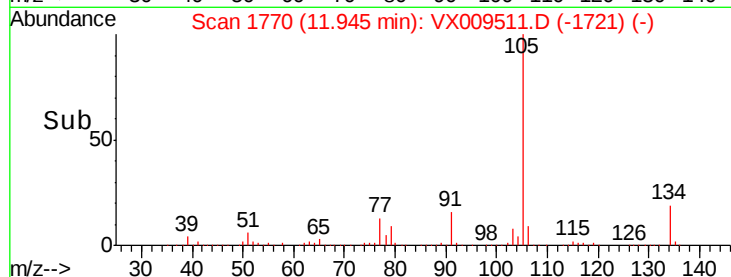
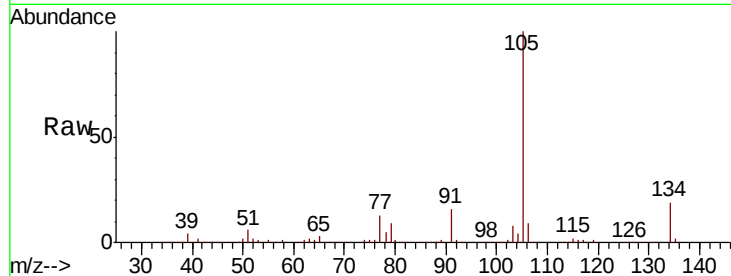




#85
 sec-Butylbenzene
 Concen: 51.846 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

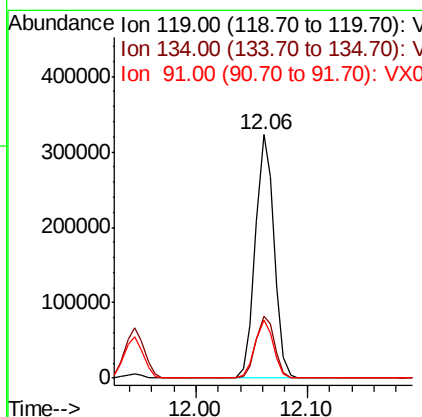
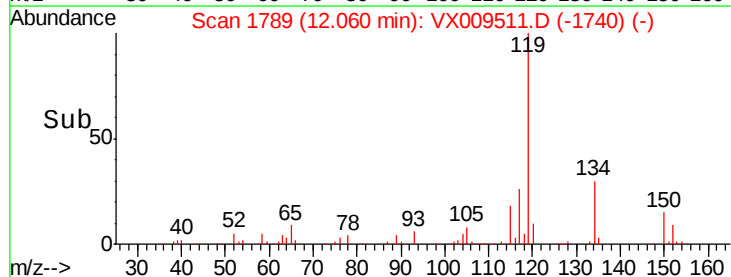
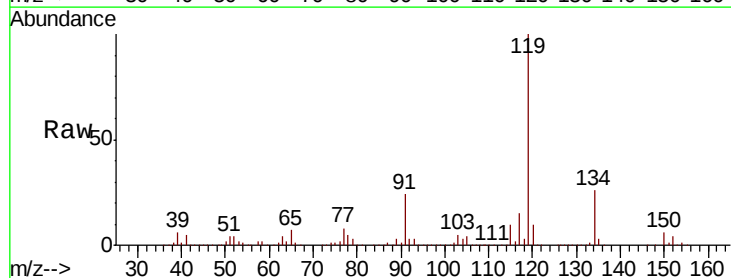
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

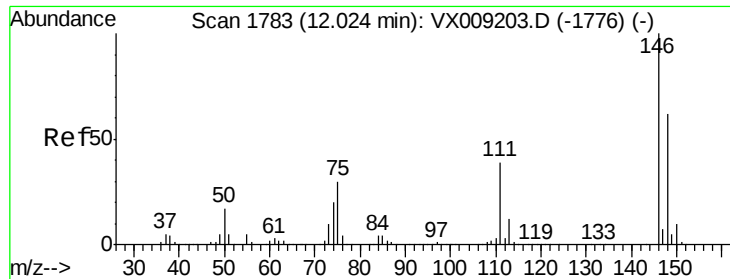
Tot Ion:105 Resp: 418151
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 52.401 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

Tgt Ion:119 Resp: 379934
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 23.6 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 51.812 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

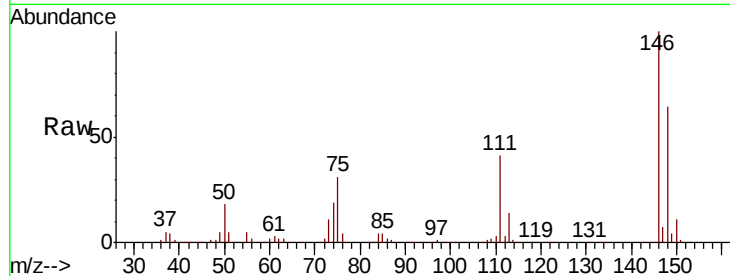
Tot Ion:146 Resp: 190401

Ion Ratio Lower Upper

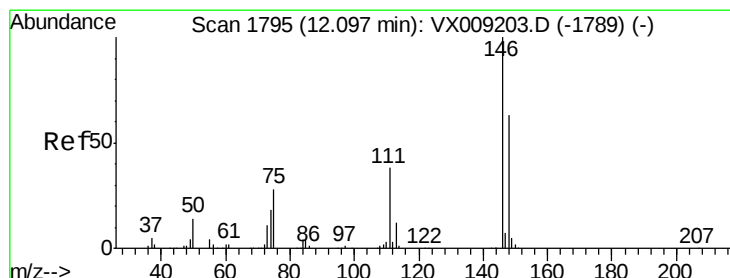
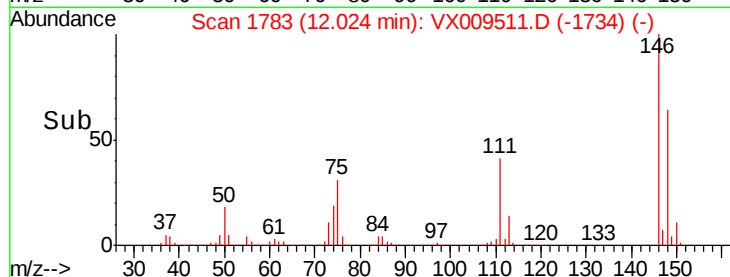
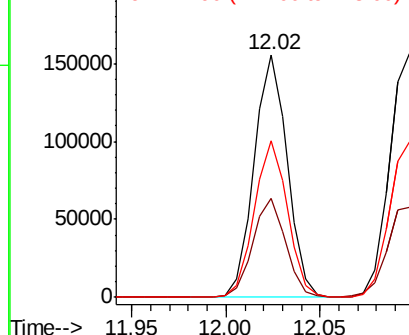
146 100

111 40.4 20.0 59.9

148 64.3 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.824 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

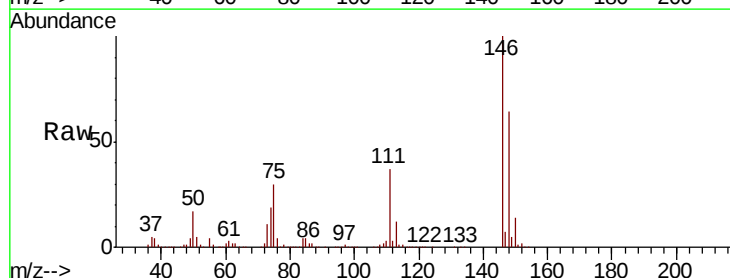
Tgt Ion:146 Resp: 192002

Ion Ratio Lower Upper

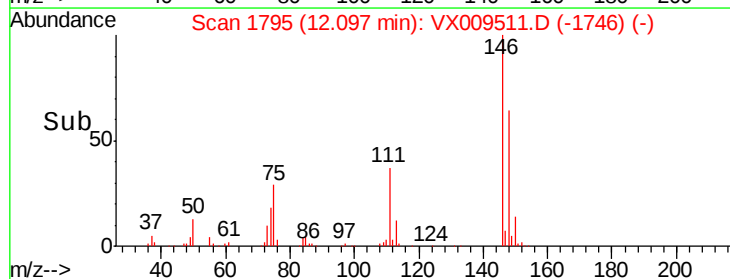
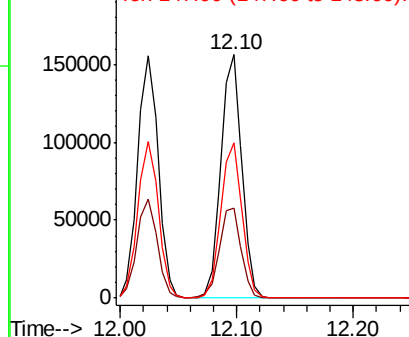
146 100

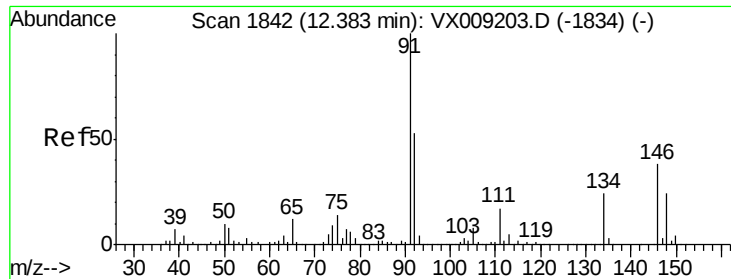
111 38.6 19.6 58.8

148 64.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

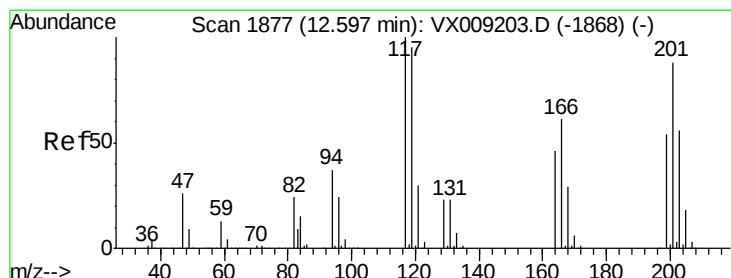
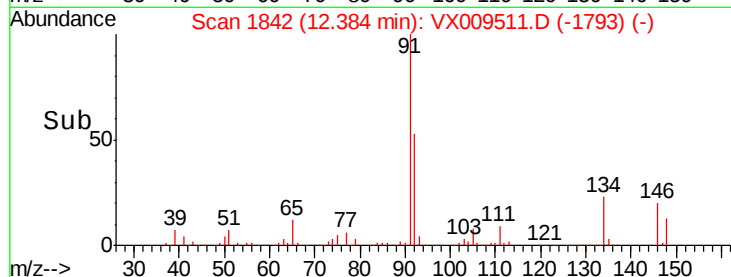
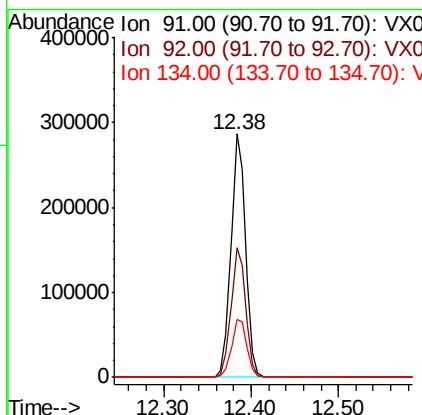
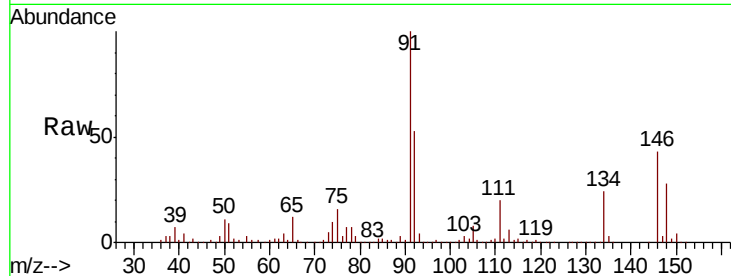




#89
n-Butylbenzene
Concen: 50.995 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

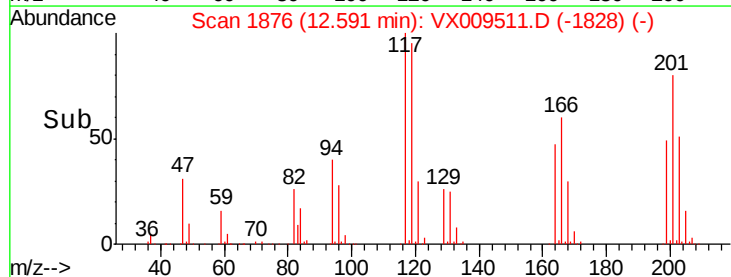
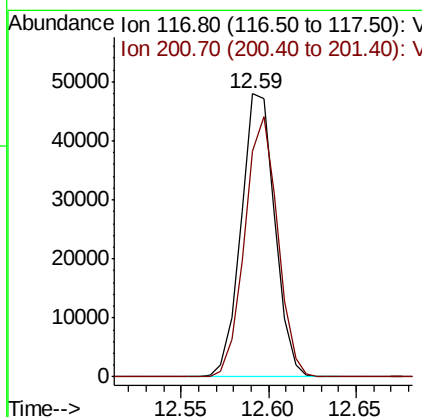
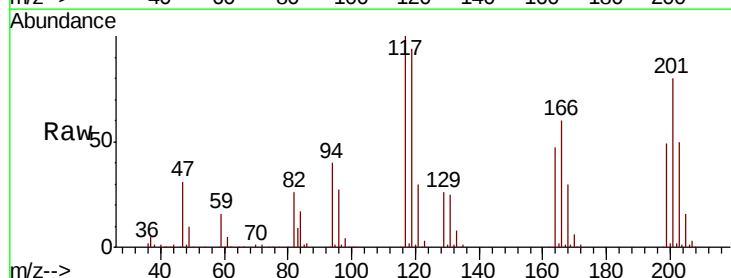
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

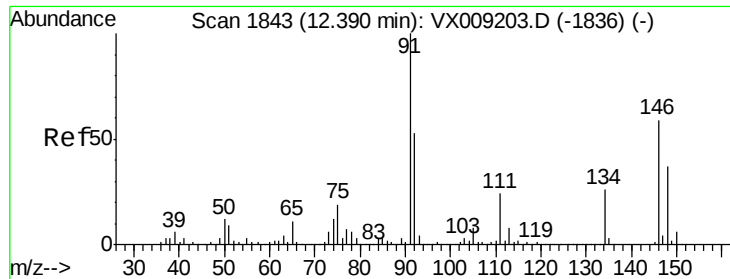
Tot Ion: 91 Resp: 334187
Ion Ratio Lower Upper
91 100
92 53.4 26.5 79.5
134 24.9 12.4 37.2



#90
Hexachloroethane
Concen: 51.970 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009511.D
Acq: 11 May 2019 03:04

Tgt Ion: 117 Resp: 64196
Ion Ratio Lower Upper
117 100
201 89.4 42.3 126.9

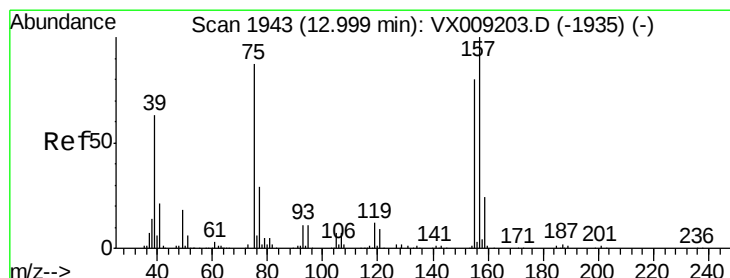
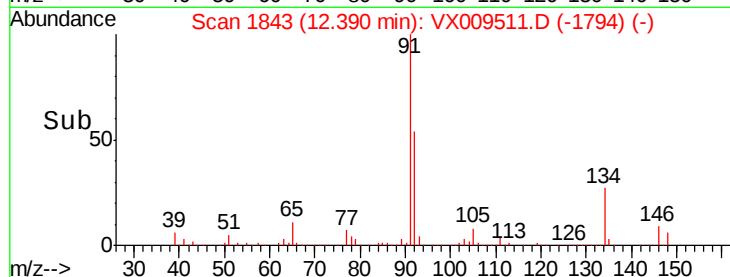
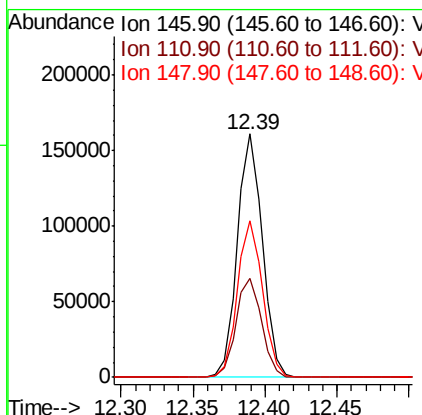
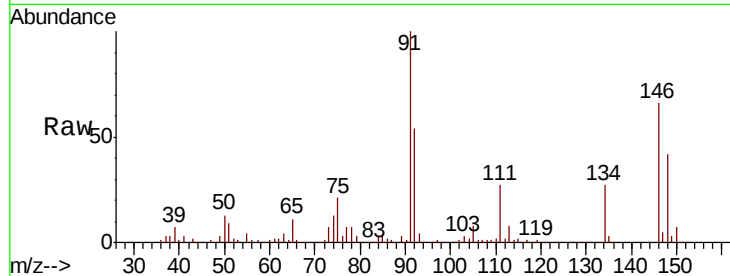




#91
 1,2-Dichlorobenzene
 Concen: 52.240 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

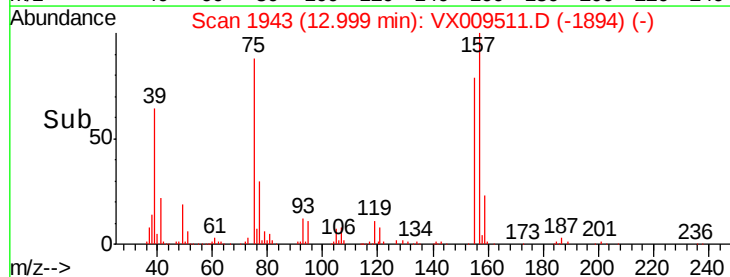
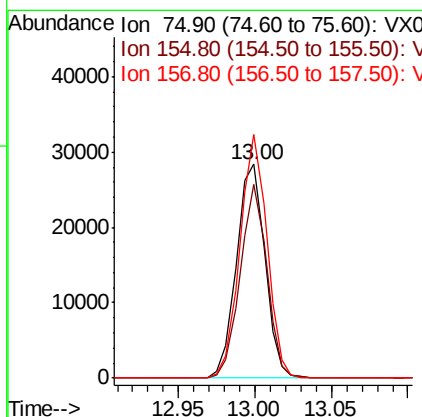
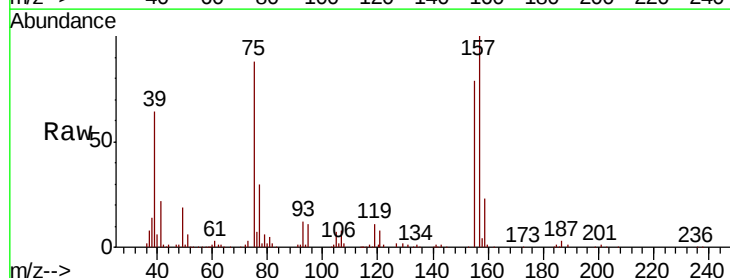
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

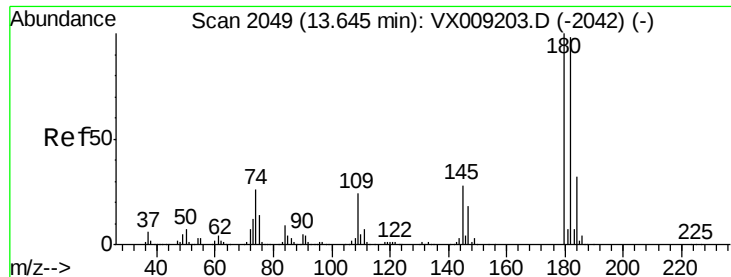
Tot Ion:146 Resp: 195533
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.4
 148 64.3 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.900 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

Tgt Ion: 75 Resp: 36741
 Ion Ratio Lower Upper
 75 100
 155 84.1 42.0 126.0
 157 107.9 53.2 159.6

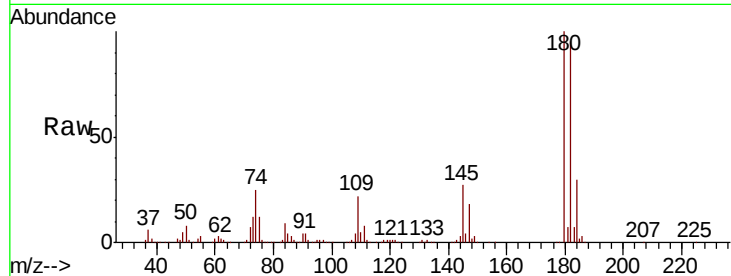




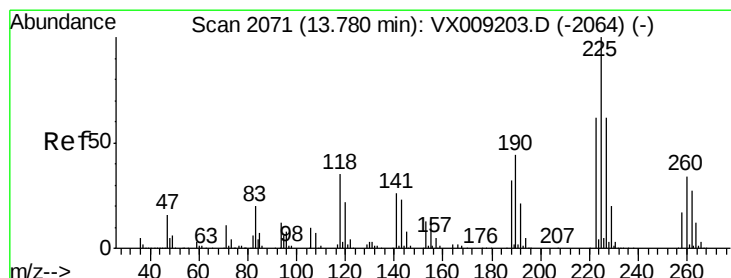
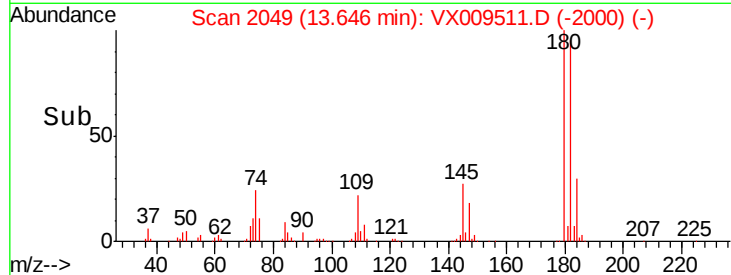
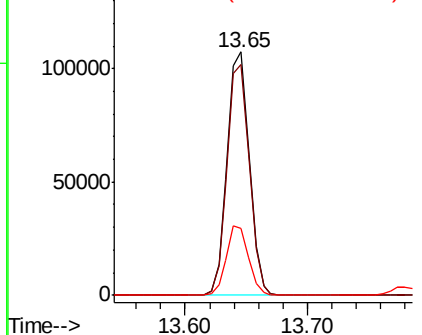
#93
 1,2,4-Trichlorobenzene
 Concen: 52.530 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 134454
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.4 145.2
 145 28.5 14.6 43.8

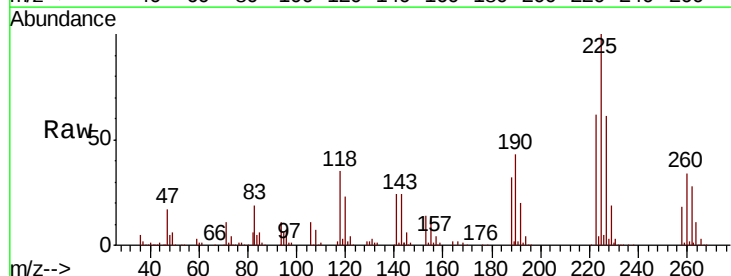


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

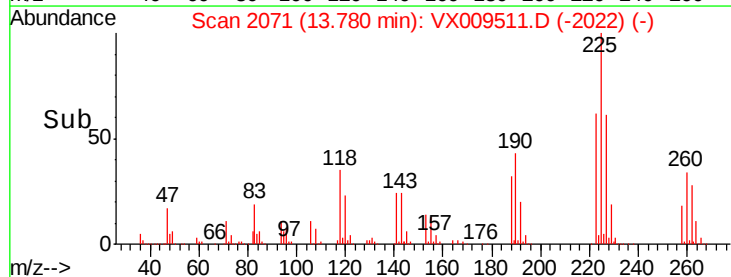
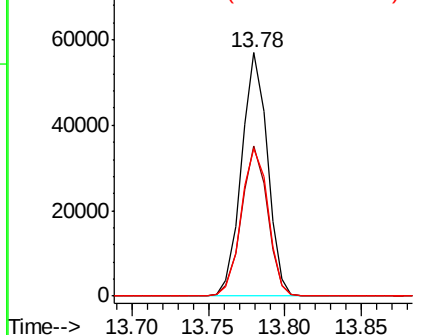


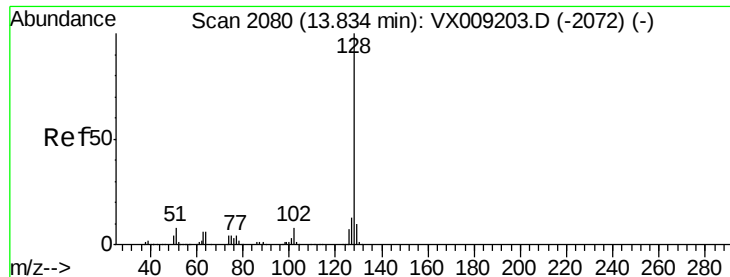
#94
 Hexachlorobutadiene
 Concen: 51.228 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009511.D
 Acq: 11 May 2019 03:04

Tgt Ion:225 Resp: 66958
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.3 93.8
 227 63.2 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 53.581 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

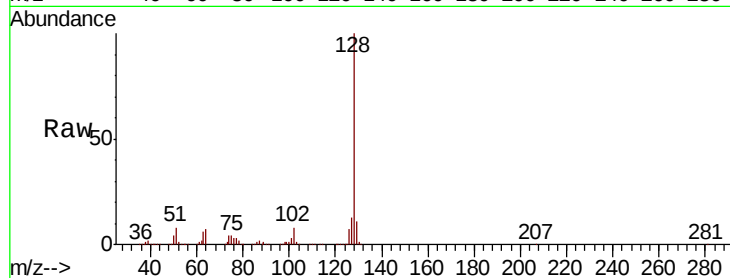
Tot Ion:128 Resp: 446185

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

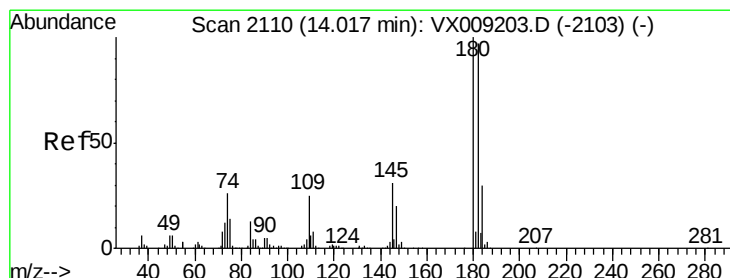
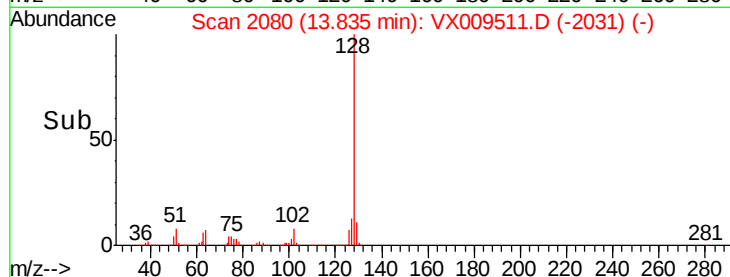
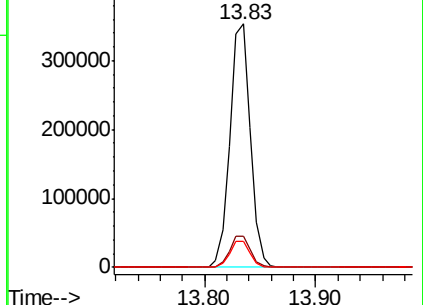
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.088 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009511.D

Acq: 11 May 2019 03:04

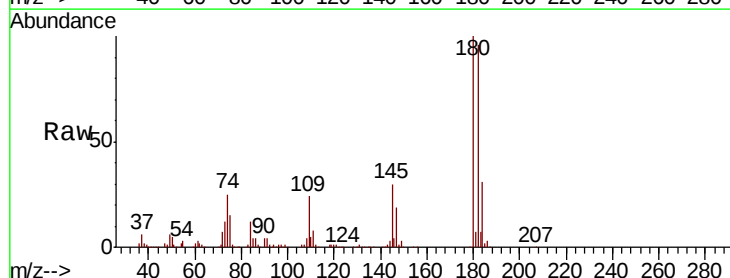
Tgt Ion:180 Resp: 137738

Ion Ratio Lower Upper

180 100

182 95.3 47.8 143.4

145 29.9 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

