

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051119\
 Data File : VX009513.D
 Acq On : 11 May 2019 10:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: May 12 01:56:06 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	180625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281562	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133699	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	119987	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	5.49	113	89535	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	8.71	98	358589	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.13	95	134670	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	76865	46.179	ug/l	100
3) Chloromethane	1.32	50	109615	48.236	ug/l	100
4) Vinyl Chloride	1.41	62	110902	50.048	ug/l	96
5) Bromomethane	1.64	94	69728	52.426	ug/l	99
6) Chloroethane	1.71	64	68094	47.862	ug/l	97
7) Trichlorofluoromethane	1.92	101	140264	52.073	ug/l	98
8) Diethyl Ether	2.18	74	63063	49.426	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	88831	52.517	ug/l	99
10) Methyl Iodide	2.51	142	103447	52.394	ug/l	99
11) Tert butyl alcohol	3.05	59	141195	247.381	ug/l	100
12) 1,1-Dichloroethene	2.37	96	87105	51.396	ug/l	97
13) Acrolein	2.29	56	122214	236.437	ug/l	100
14) Allyl chloride	2.73	41	207098	50.142	ug/l	99
15) Acrylonitrile	3.14	53	332964	238.590	ug/l	99
16) Acetone	2.44	43	367268	277.391	ug/l	98
17) Carbon Disulfide	2.57	76	250697	52.687	ug/l	99
18) Methyl Acetate	2.77	43	144635	45.934	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	335269	50.943	ug/l	99
20) Methylene Chloride	2.85	84	103028	48.060	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	95106	51.744	ug/l	98
22) Diisopropyl ether	3.85	45	403737	50.830	ug/l	97
23) Vinyl Acetate	3.81	43	1800319	264.692	ug/l	100
24) 1,1-Dichloroethane	3.70	63	193817	49.464	ug/l	100
25) 2-Butanone	4.67	43	525589	255.454	ug/l	98
26) 2,2-Dichloropropane	4.58	77	153818	52.740	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	111036	50.612	ug/l	99
28) Bromochloromethane	5.01	49	75876	47.995	ug/l	100
29) Tetrahydrofuran	5.12	42	328207	247.896	ug/l	99
30) Chloroform	5.21	83	180665	50.980	ug/l	99
31) Cyclohexane	5.58	56	193227	53.005	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	151753	51.440	ug/l	99
36) 1,1-Dichloropropene	5.79	75	141522	54.086	ug/l	99
37) Ethyl Acetate	4.82	43	186825	51.245	ug/l	99
38) Carbon Tetrachloride	5.78	117	127314	53.553	ug/l	100

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Quant Time: May 12 01:56:06 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	181644	56.527	ug/l	99
40) Benzene	6.14	78	426453	52.662	ug/l	99
41) Methacrylonitrile	5.04	41	109260	50.346	ug/l	99
42) 1,2-Dichloroethane	6.19	62	153418	52.814	ug/l	99
43) Isopropyl Acetate	6.44	43	304511	52.219	ug/l	100
44) Trichloroethene	7.21	130	103800	53.022	ug/l	100
45) 1,2-Dichloropropane	7.51	63	119304	52.030	ug/l	97
46) Dibromomethane	7.66	93	68937	51.772	ug/l	98
47) Bromodichloromethane	7.90	83	141450	53.254	ug/l	98
48) Methyl methacrylate	7.77	41	154687	53.467	ug/l	99
49) 1,4-Dioxane	7.74	88	59830	1019.729	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	991110	260.026	ug/l	99
52) Toluene	8.78	92	261331	53.089	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	166372	55.480	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	183000	55.134	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	105050	52.309	ug/l	98
56) Ethyl methacrylate	9.18	69	191097	53.307	ug/l	98
57) 1,3-Dichloropropane	9.37	76	185544	52.502	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	476068	250.333	ug/l	99
59) 2-Hexanone	9.49	43	798182	266.633	ug/l	100
60) Dibromochloromethane	9.58	129	106588	54.342	ug/l	99
61) 1,2-Dibromoethane	9.67	107	108309	53.428	ug/l	100
64) Tetrachloroethene	9.34	164	94562	54.171	ug/l	98
65) Chlorobenzene	10.13	112	271330	53.299	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	99030	53.657	ug/l	99
67) Ethyl Benzene	10.25	91	511976	54.646	ug/l	100
68) m/p-Xylenes	10.35	106	375454	109.663	ug/l	99
69) o-Xylene	10.69	106	183013	54.178	ug/l	99
70) Styrene	10.71	104	322710	54.965	ug/l	99
71) Bromoform	10.85	173	82624	55.089	ug/l #	99
73) Isopropylbenzene	11.02	105	492478	50.654	ug/l	99
74) N-amyl acetate	10.90	43	289237	51.027	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	175090	48.309	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	211851	68.310	ug/l	82
77) Bromobenzene	11.25	156	121873	50.504	ug/l	98
78) n-propylbenzene	11.36	91	581632	52.383	ug/l	99
79) 2-Chlorotoluene	11.42	91	339141	49.507	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	423037	51.676	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	62431	51.506	ug/l	98
82) 4-Chlorotoluene	11.51	91	397994	51.428	ug/l	100
83) tert-Butylbenzene	11.77	119	407254	51.139	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	428436	52.140	ug/l	99
85) sec-Butylbenzene	11.94	105	491838	52.093	ug/l	99
86) p-Isopropyltoluene	12.06	119	453020	53.373	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	224329	52.147	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	225740	52.049	ug/l	100
89) n-Butylbenzene	12.38	91	424530	55.338	ug/l	100
90) Hexachloroethane	12.59	117	74985	51.855	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	226004	51.580	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39551	48.645	ug/l	99

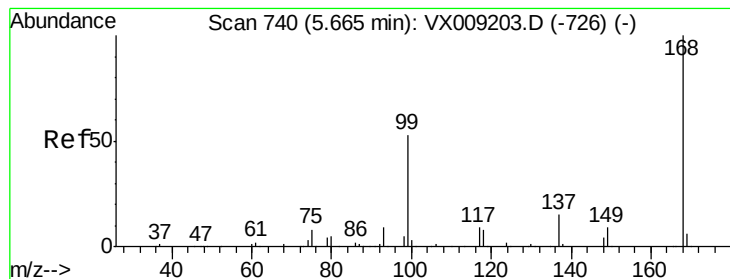
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	163317	54.506	ug/l	98
94) Hexachlorobutadiene	13.78	225	84791	55.415	ug/l	99
95) Naphthalene	13.83	128	495455	50.825	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	161585	53.201	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: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

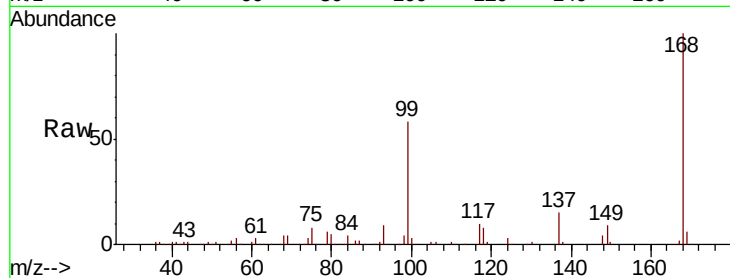
VSTDCCC050

Tot Ion:168 Resp: 180625

Ion Ratio Lower Upper

168 100

99 58.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009203.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX009203.D (-726) (-)

5.66

60000

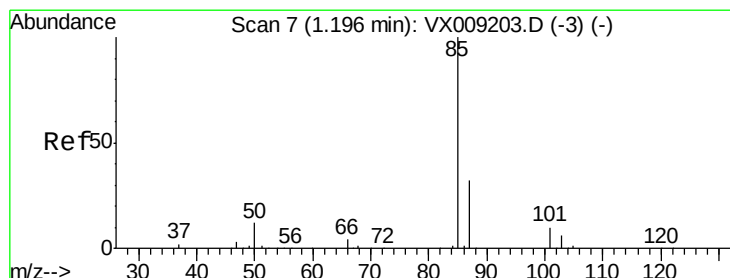
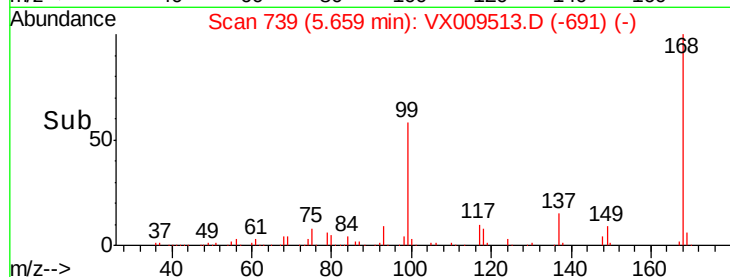
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 46.179 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009513.D

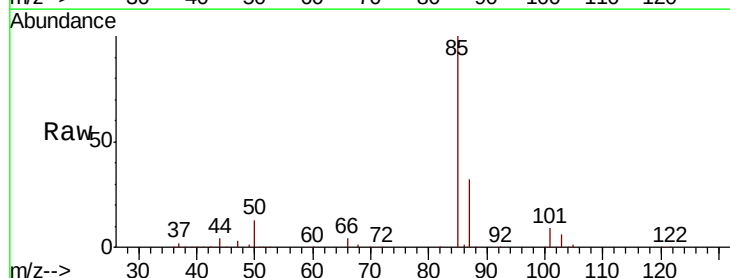
Acq: 11 May 2019 10:14

Tgt Ion: 85 Resp: 76865

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX009203.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX009203.D (-3) (-)

1.20

80000

60000

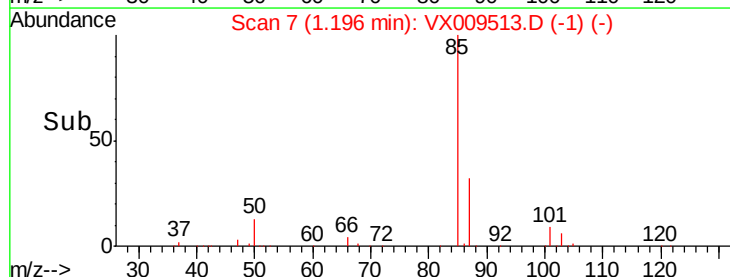
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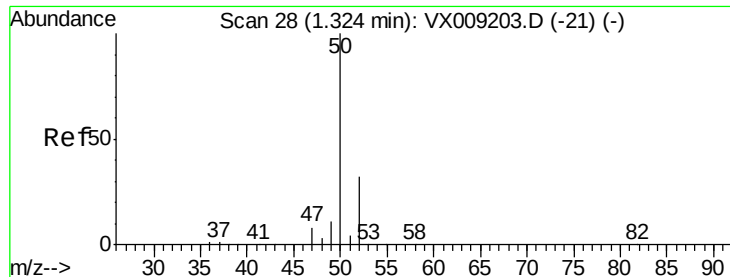
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 48.236 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

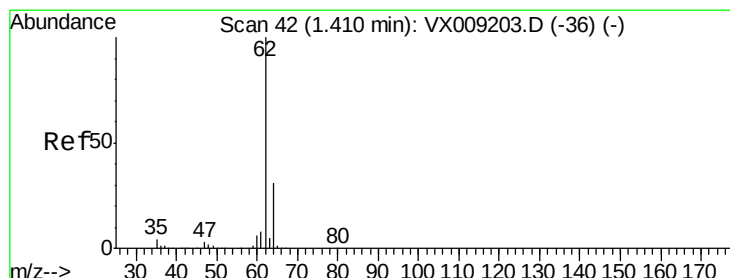
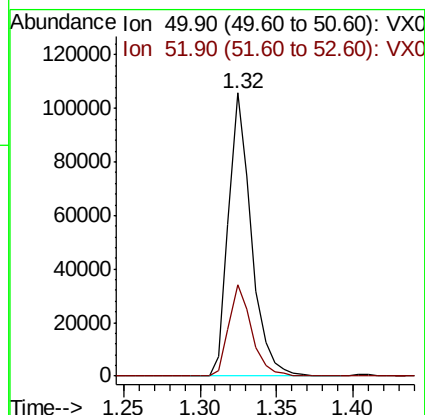
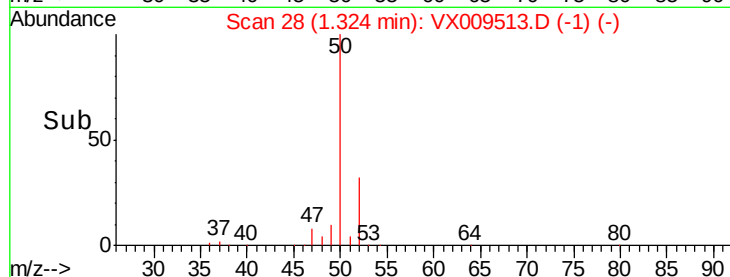
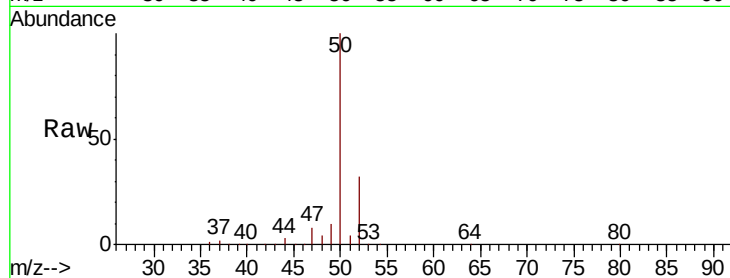
VSTDCCC050

Tot Ion: 50 Resp: 109615

Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9



#4

Vinyl Chloride

Concen: 50.048 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009513.D

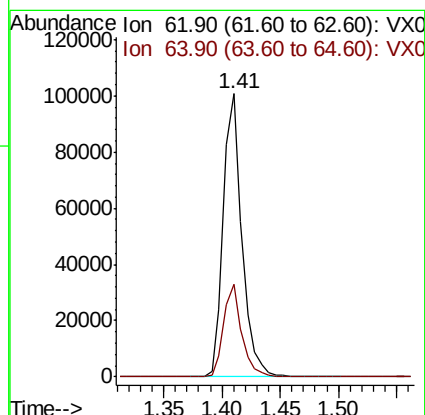
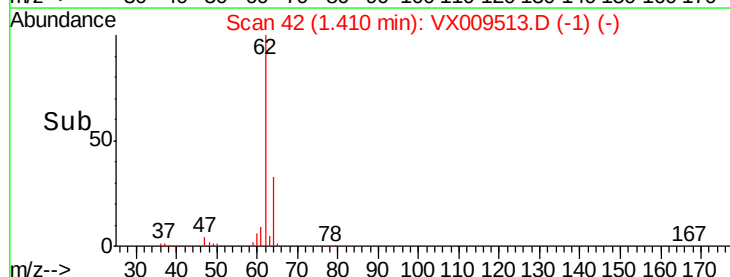
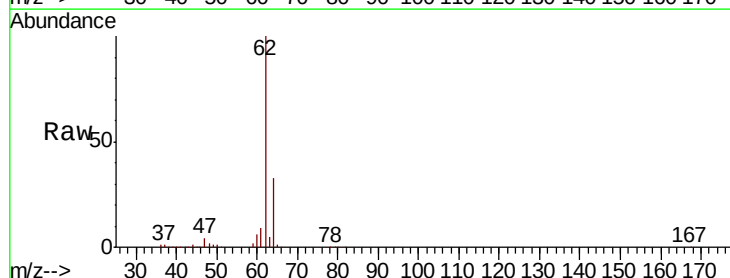
Acq: 11 May 2019 10:14

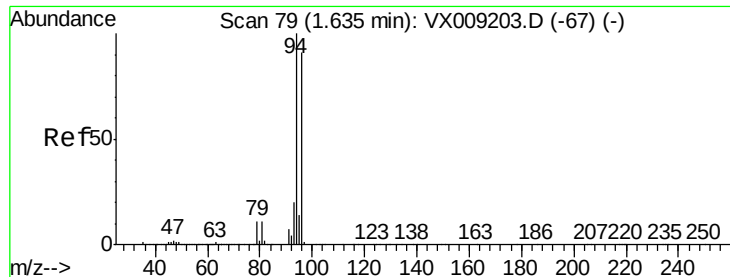
Tgt Ion: 62 Resp: 110902

Ion Ratio Lower Upper

62 100

64 32.7 24.6 36.8





#5

Bromomethane

Concen: 52.426 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

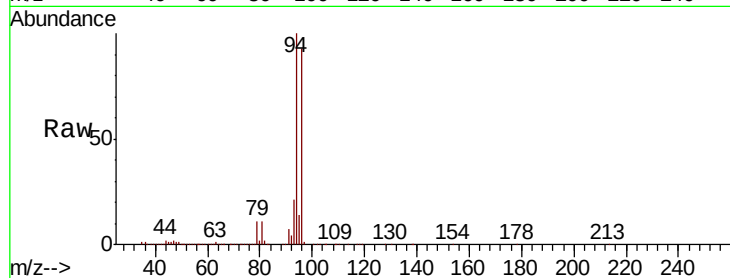
VSTDCCC050

Tot Ion: 94 Resp: 69728

Ion Ratio Lower Upper

94 100

96 92.7 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

60000

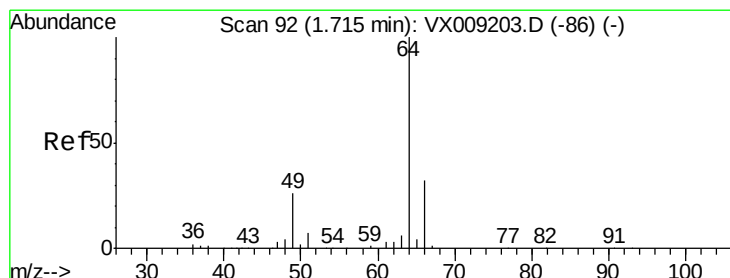
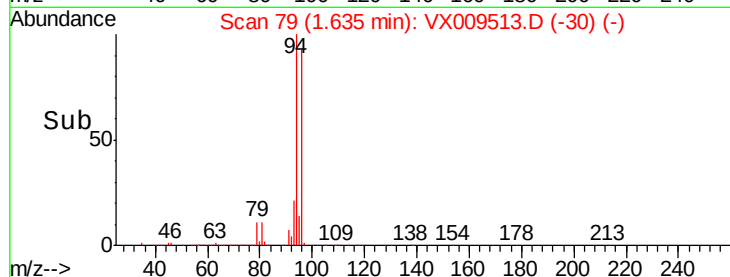
40000

20000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 47.862 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009513.D

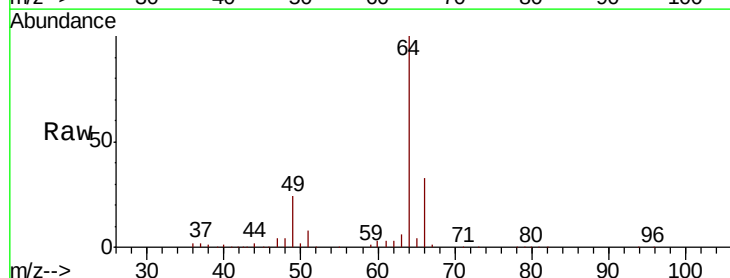
Acq: 11 May 2019 10:14

Tgt Ion: 64 Resp: 68094

Ion Ratio Lower Upper

64 100

66 33.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

50000

40000

30000

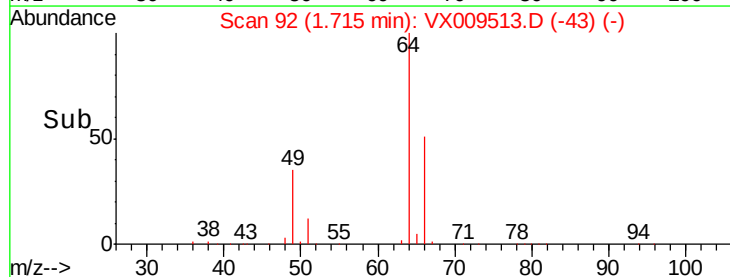
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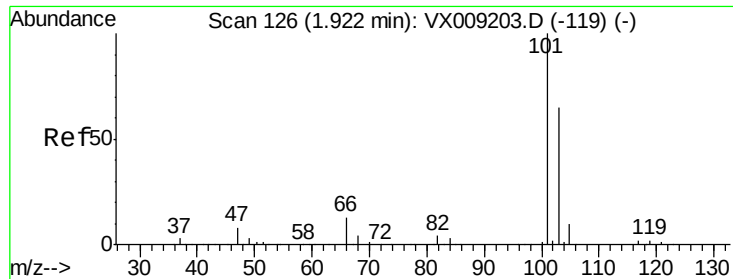
10000

0

1.65 1.70 1.75 1.80

Time-->



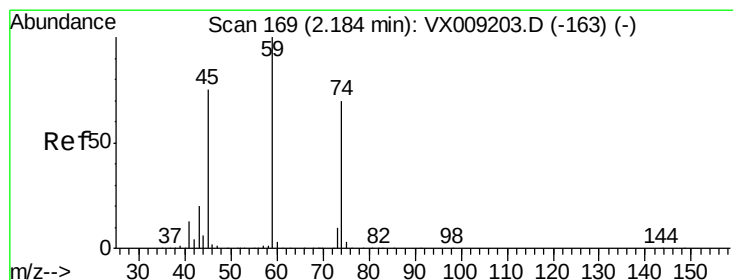
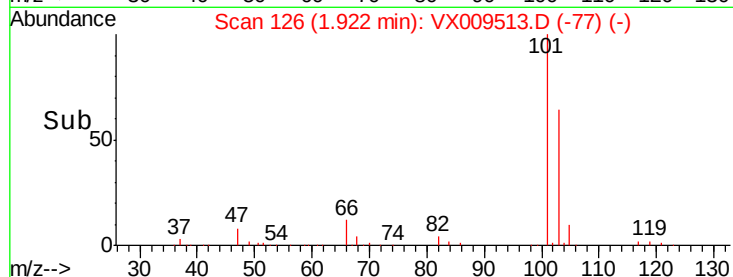
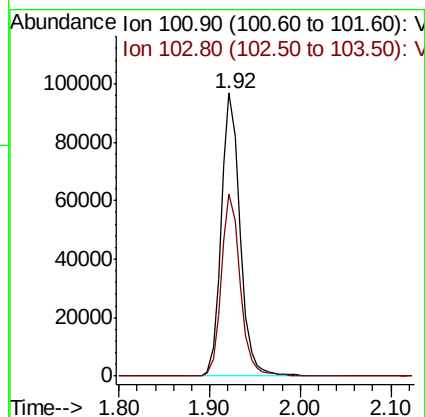
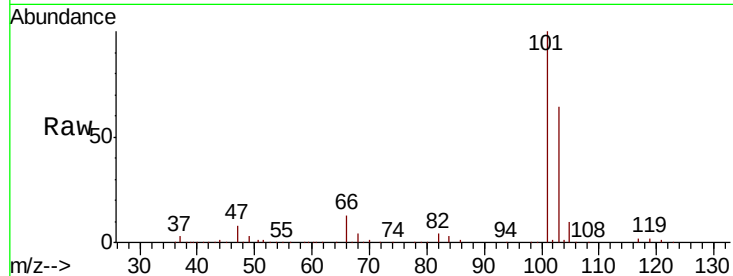


#7

Trichlorofluoromethane
 Concen: 52.073 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

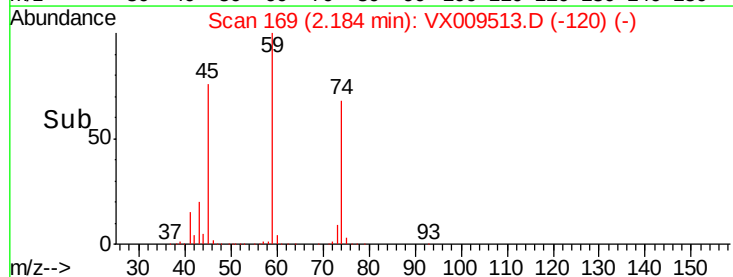
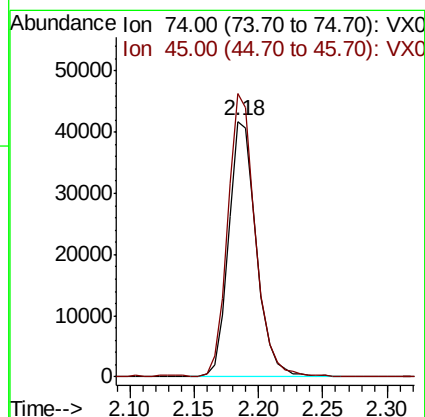
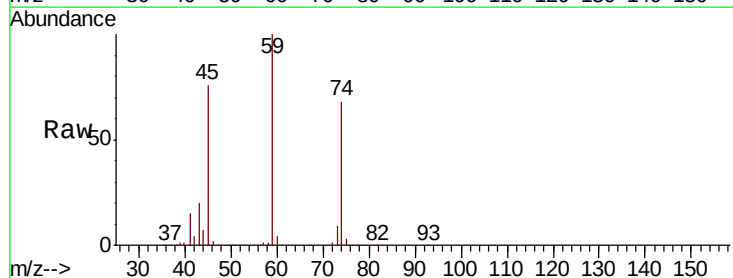
Tot Ion:101 Resp: 140264
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.4 78.6

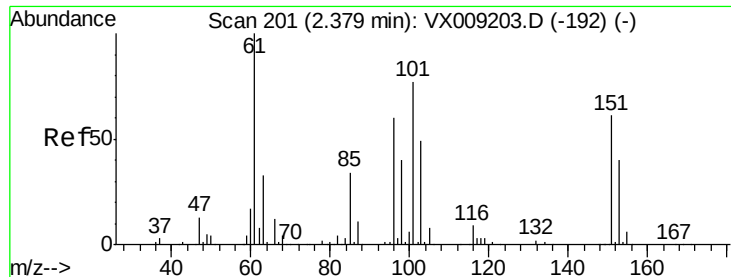


#8

Diethyl Ether
 Concen: 49.426 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion: 74 Resp: 63063
 Ion Ratio Lower Upper
 74 100
 45 109.9 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.517 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

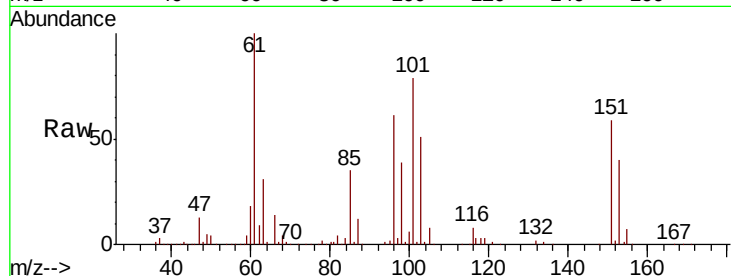
Tot Ion:101 Resp: 88831

Ion Ratio Lower Upper

101 100

85 44.1 35.7 53.5

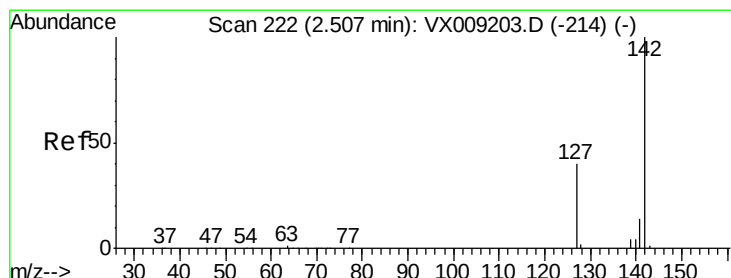
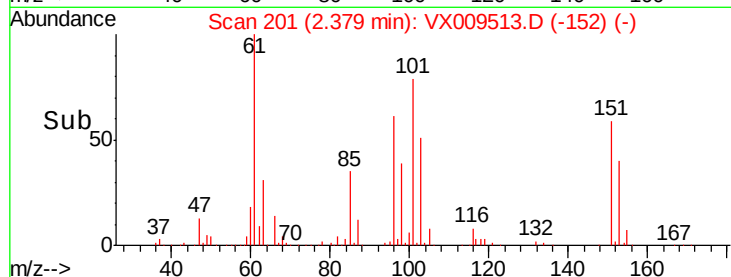
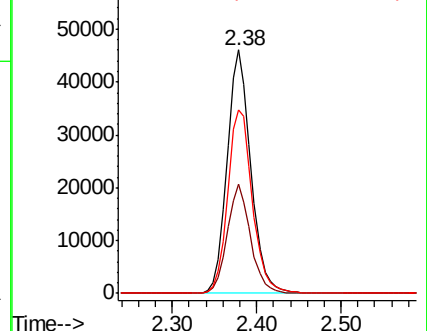
151 78.1 62.2 93.2



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: 52.394 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

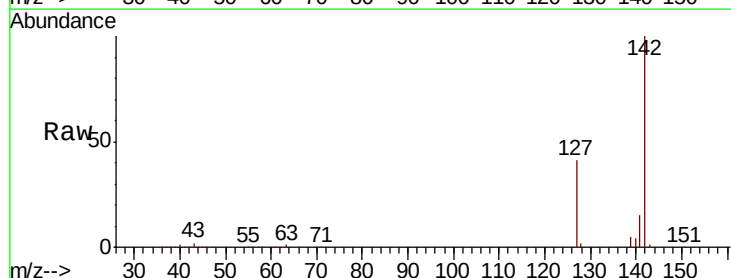
Tgt Ion:142 Resp: 103447

Ion Ratio Lower Upper

142 100

127 41.4 32.7 49.1

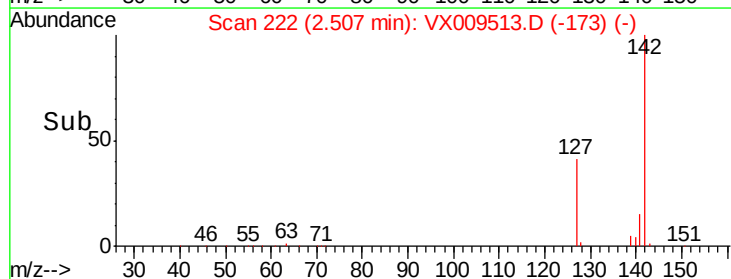
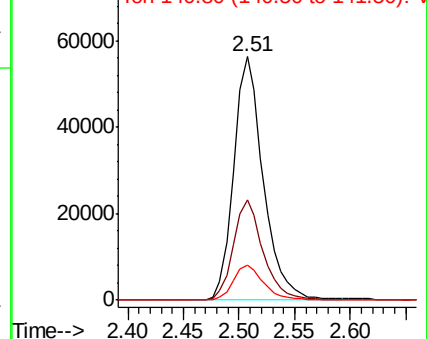
141 14.7 11.5 17.3

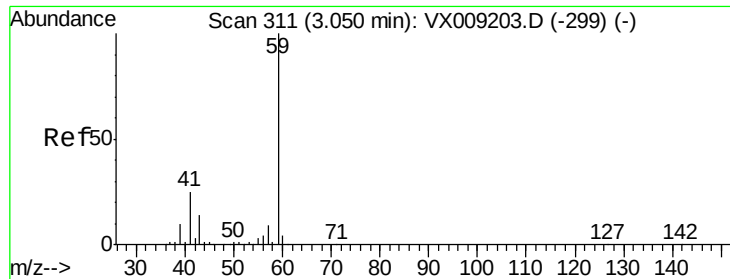


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

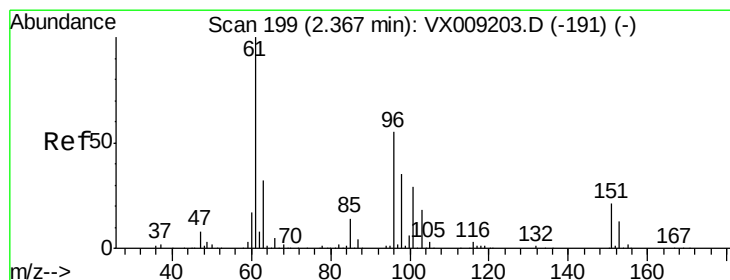
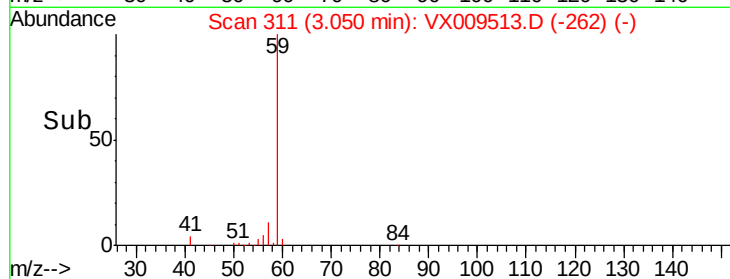
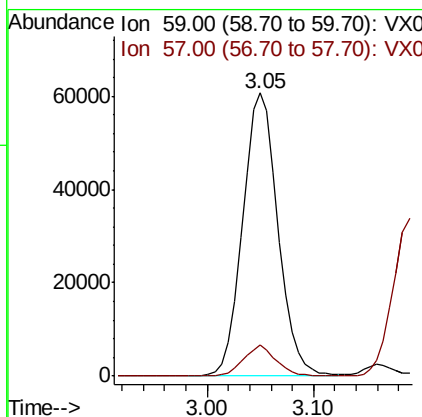
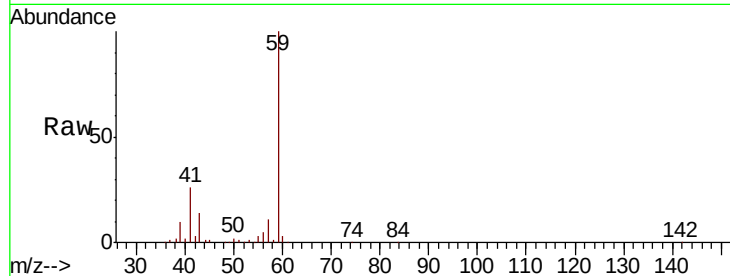




#11
Tert butyl alcohol
Concen: 247.381 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

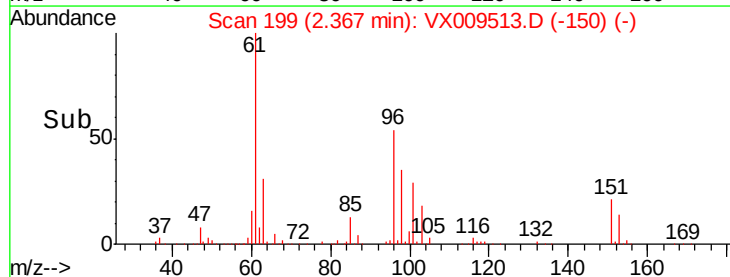
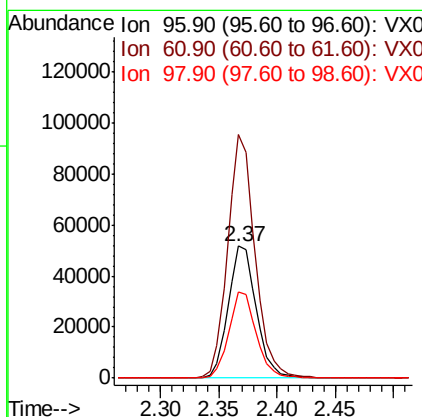
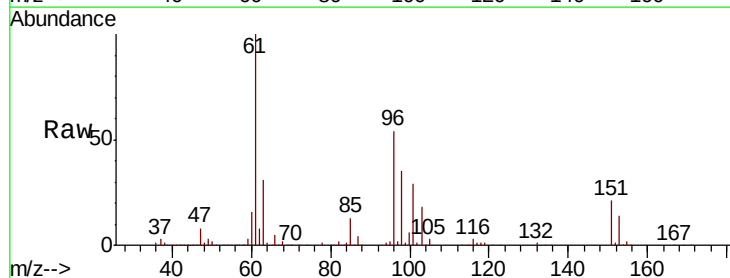
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

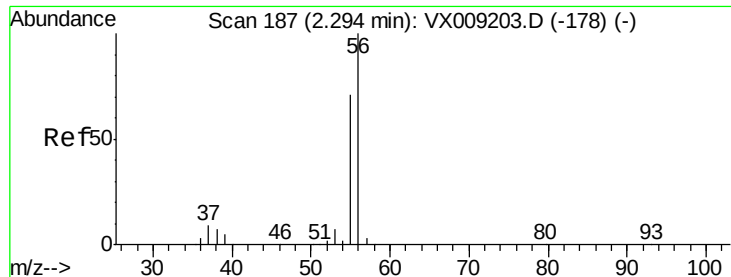
Tot Ion: 59 Resp: 141195
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 51.396 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion: 96 Resp: 87105
Ion Ratio Lower Upper
96 100
61 184.4 144.3 216.5
98 65.0 50.3 75.5





#13

Acrolein

Concen: 236.437 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

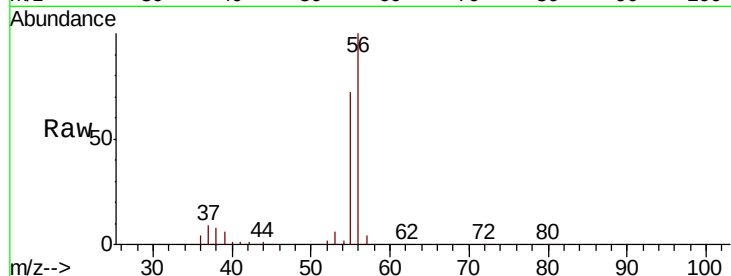
VSTDCCC050

Tot Ion: 56 Resp: 122214

Ion Ratio Lower Upper

56 100

55 70.7 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

80000

60000

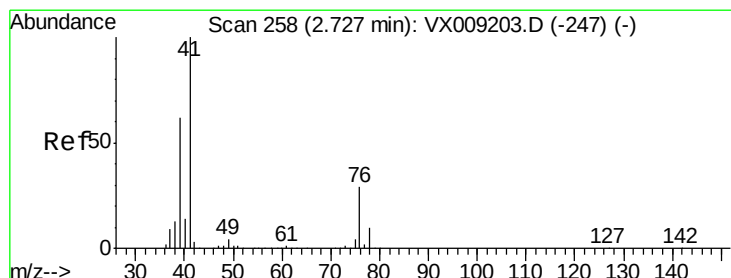
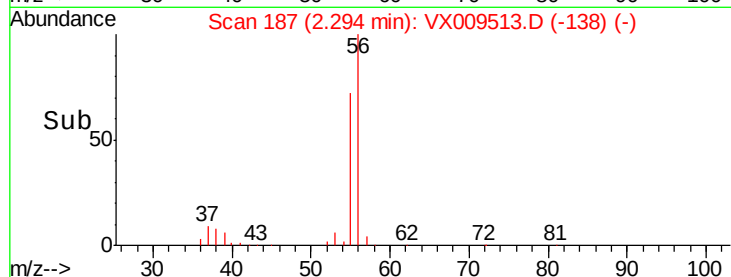
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 50.142 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

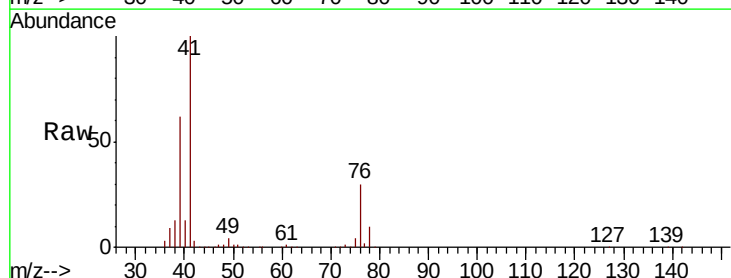
Tgt Ion: 41 Resp: 207098

Ion Ratio Lower Upper

41 100

39 59.1 46.7 70.1

76 27.5 21.8 32.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

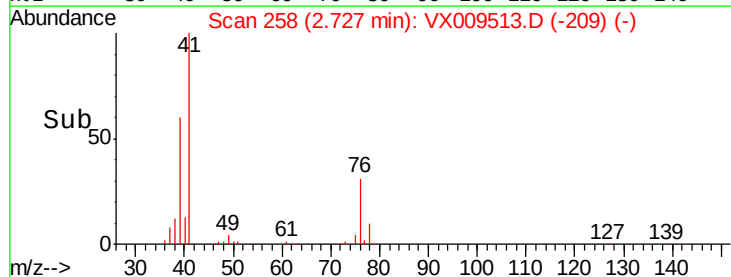
100000

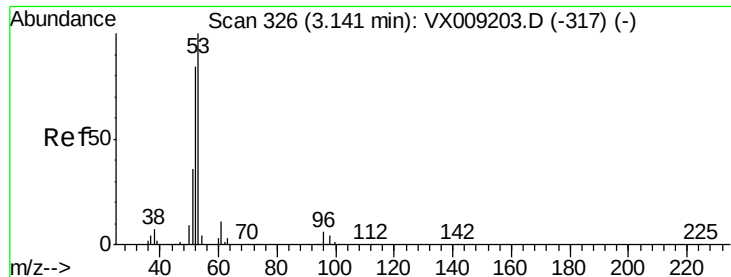
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 238.590 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

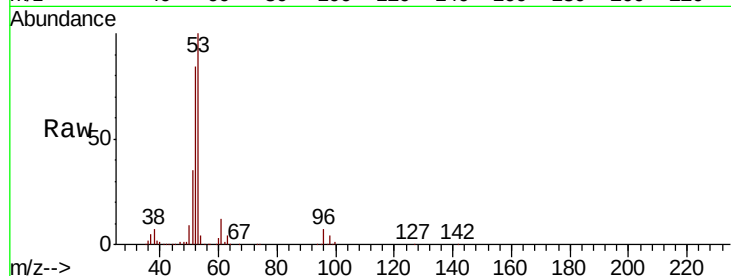
Tot Ion: 53 Resp: 332964

Ion Ratio Lower Upper

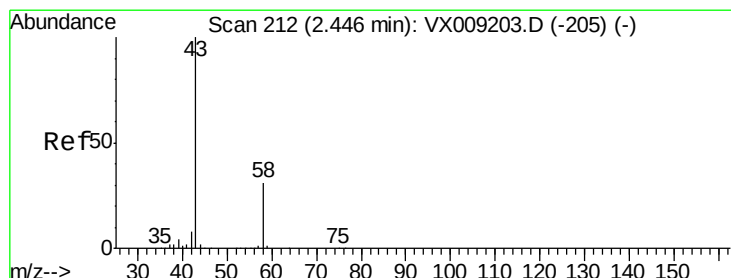
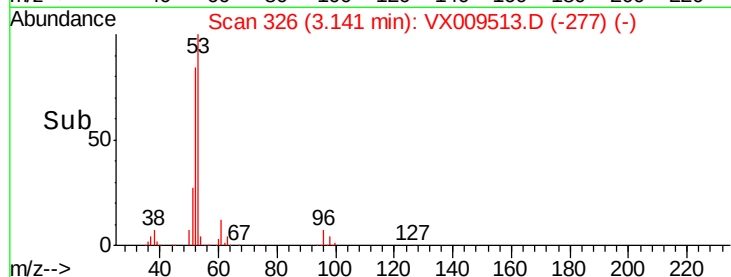
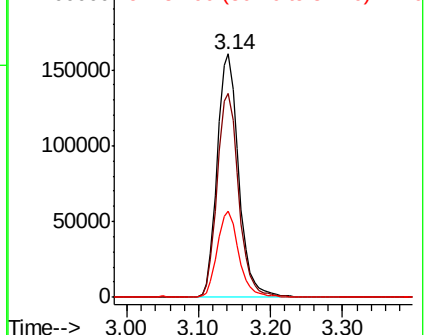
53 100

52 84.0 66.9 100.3

51 35.8 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: 277.391 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009513.D

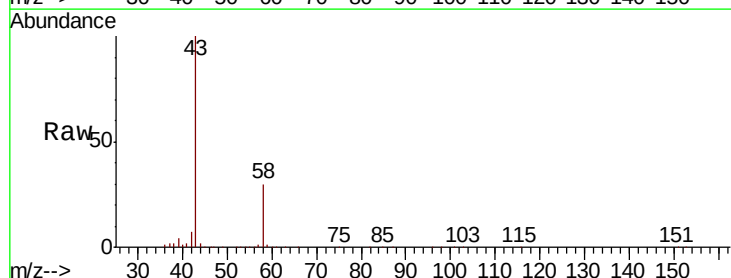
Acq: 11 May 2019 10:14

Tgt Ion: 43 Resp: 367268

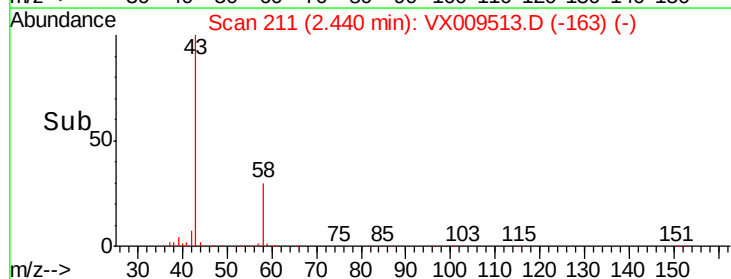
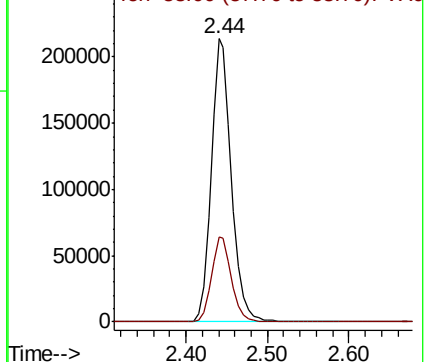
Ion Ratio Lower Upper

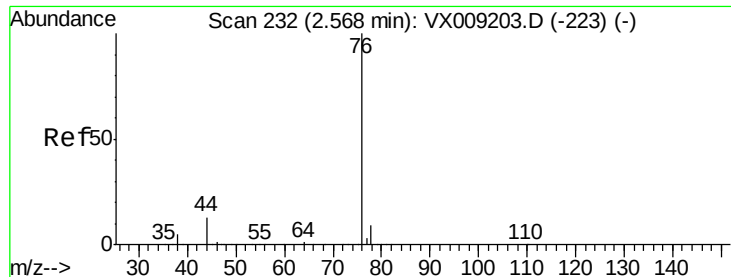
43 100

58 29.9 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: 52.687 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

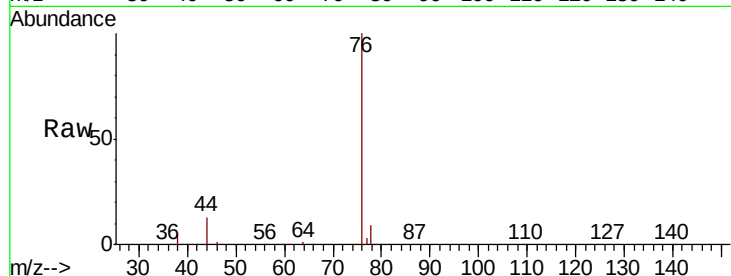
VSTDCCC050

Tot Ion: 76 Resp: 250697

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

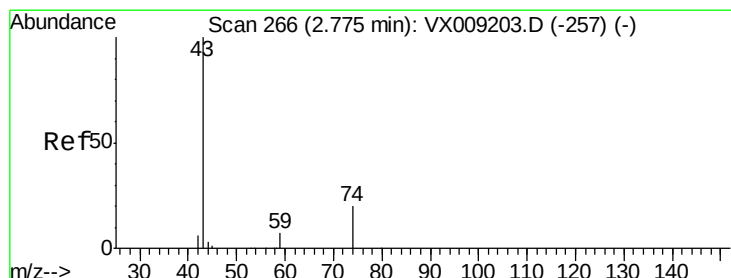
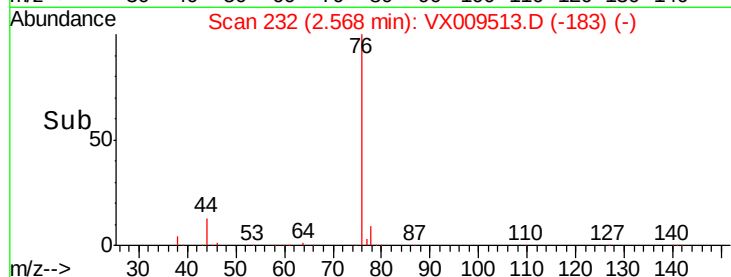
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.934 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009513.D

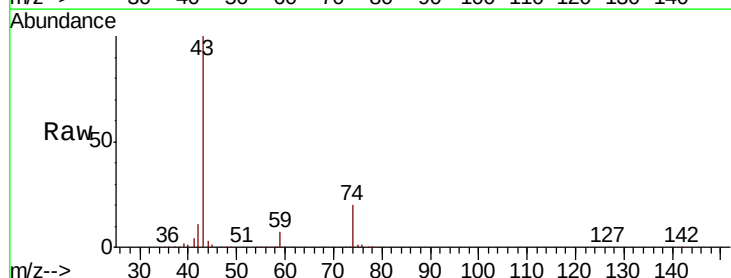
Acq: 11 May 2019 10:14

Tgt Ion: 43 Resp: 144635

Ion Ratio Lower Upper

43 100

74 20.6 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

80000

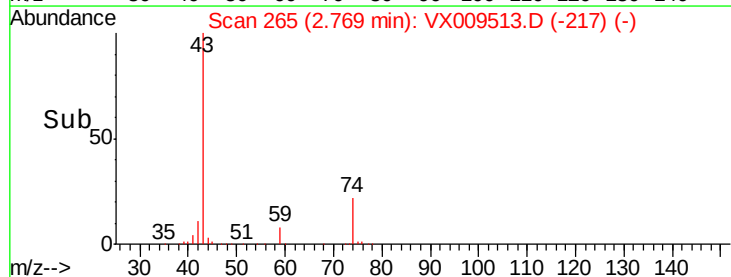
60000

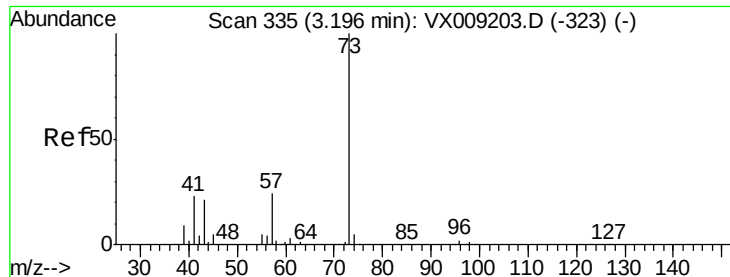
40000

20000

0

Time-->

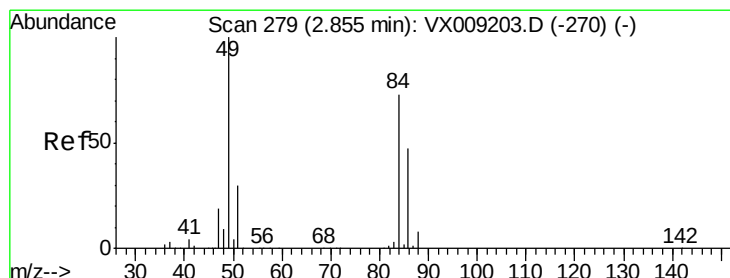
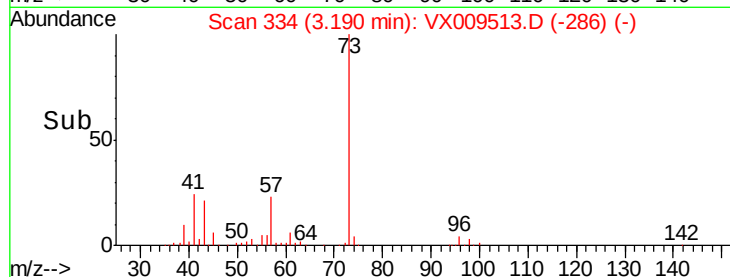
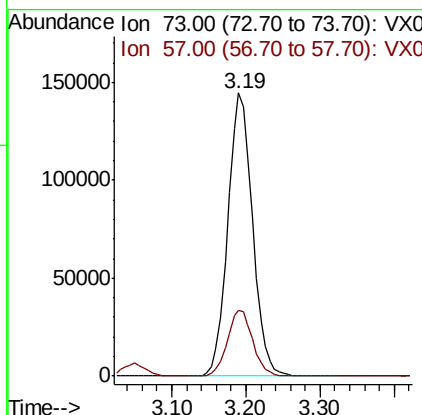
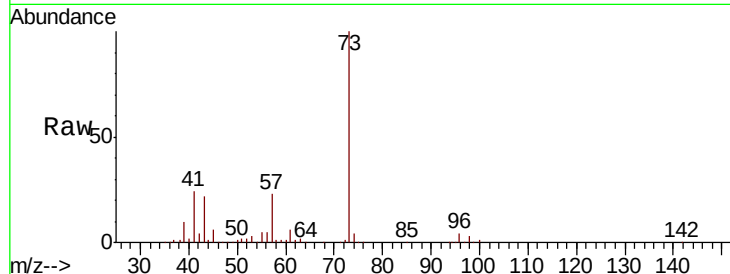




#19
Methyl tert-butyl Ether
Concen: 50.943 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

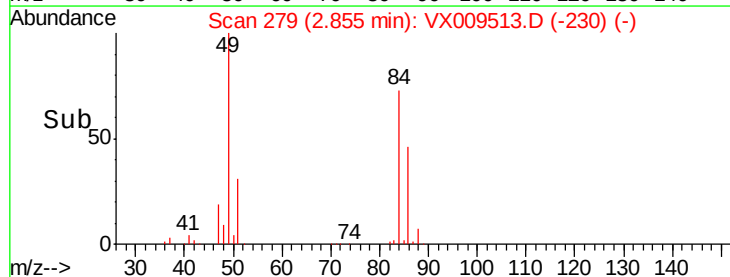
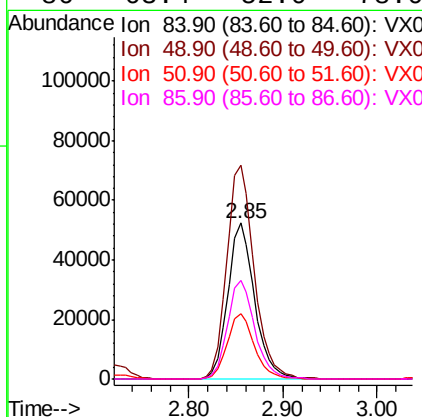
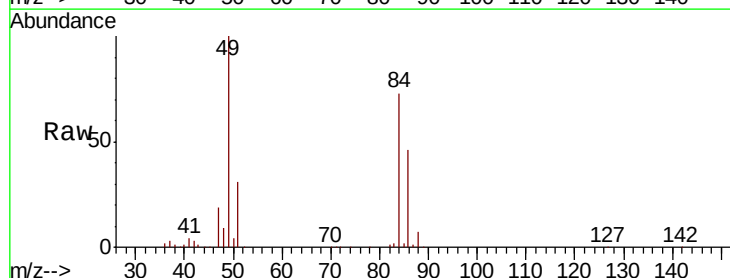
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

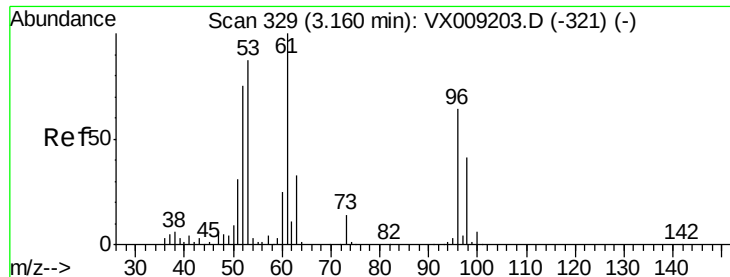
Tot Ion: 73 Resp: 335269
Ion Ratio Lower Upper
73 100
57 23.5 19.3 28.9



#20
Methylene Chloride
Concen: 48.060 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion: 84 Resp: 103028
Ion Ratio Lower Upper
84 100
49 137.1 109.9 164.9
51 42.0 32.7 49.1
86 63.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 51.744 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

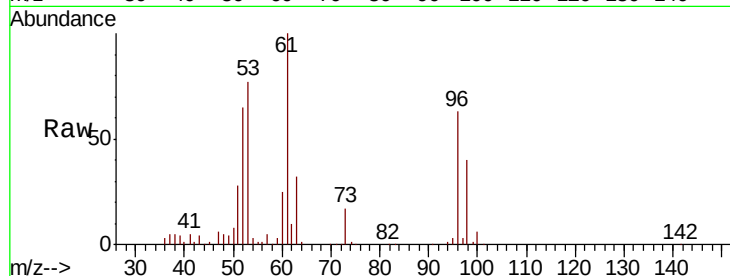
Tot Ion: 96 Resp: 95106

Ion Ratio Lower Upper

96 100

61 159.4 124.5 186.7

98 64.0 50.4 75.6

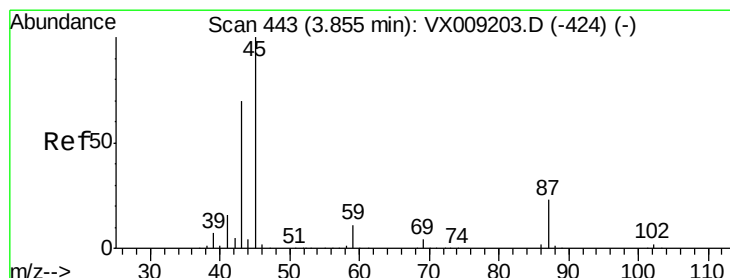
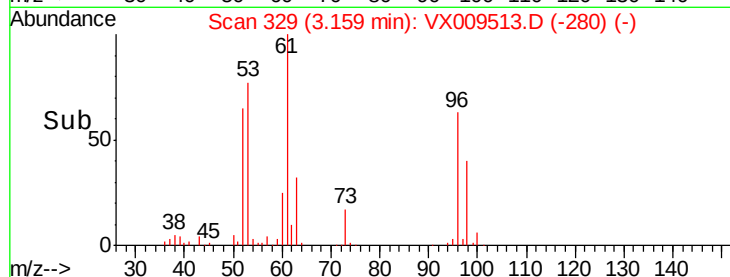
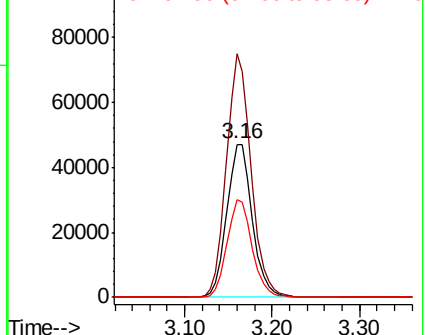


Abundance

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: 50.830 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Tgt Ion: 45 Resp: 403737

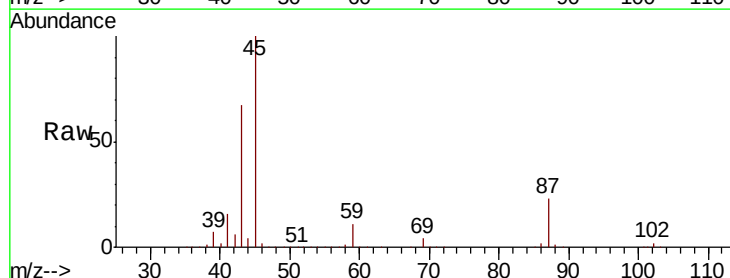
Ion Ratio Lower Upper

45 100

43 66.9 56.1 84.1

87 23.2 18.1 27.1

59 10.6 8.5 12.7



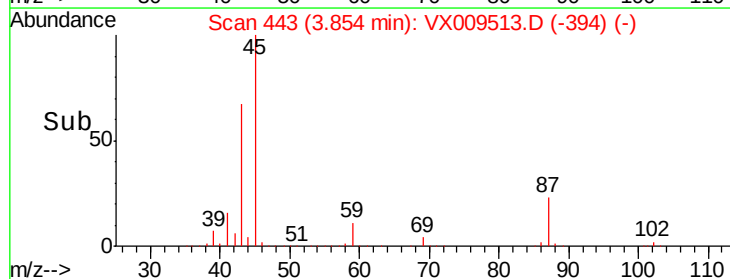
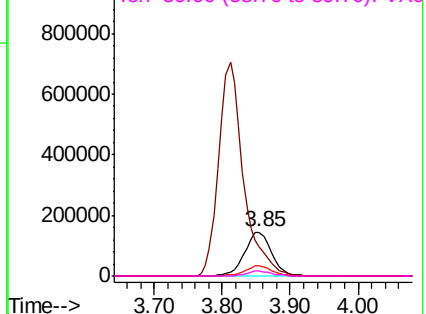
Abundance

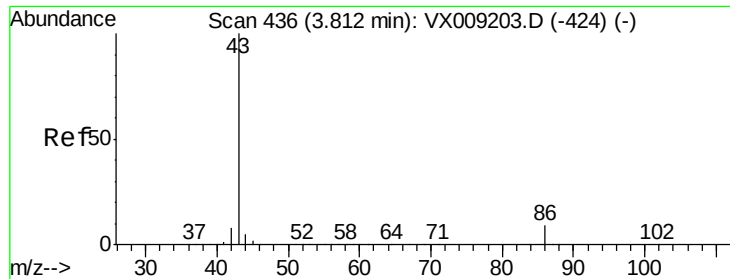
Ion 45.00 (44.70 to 45.70): VX0

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: 264.692 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

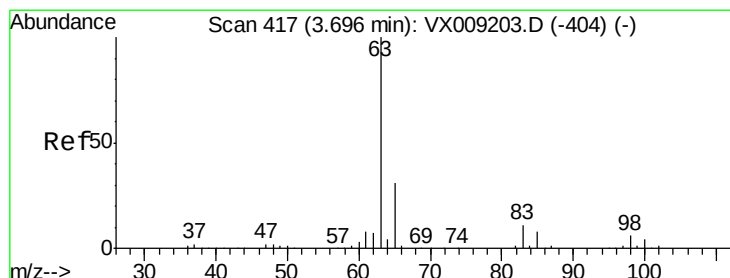
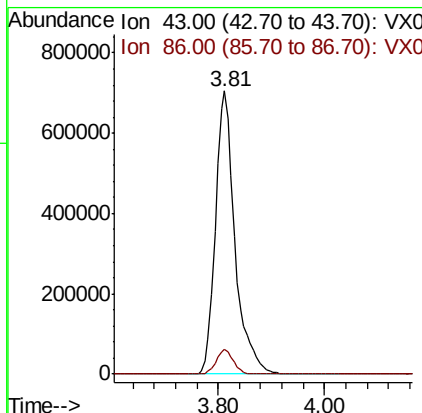
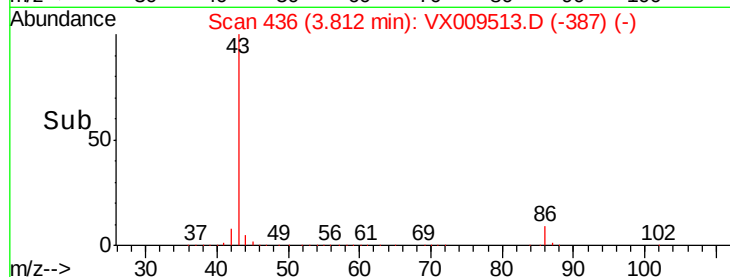
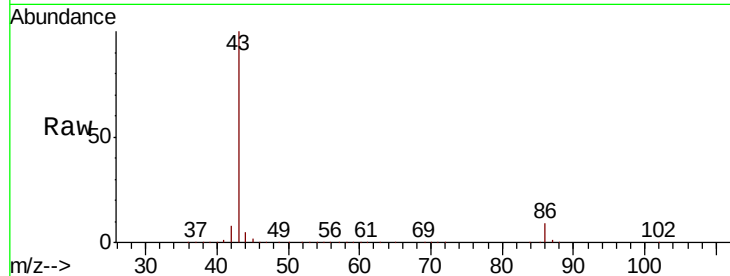
VSTDCCC050

Tot Ion: 43 Resp: 1800319

Ion Ratio Lower Upper

43 100

86 8.7 6.9 10.3



#24

1,1-Dichloroethane

Concen: 49.464 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

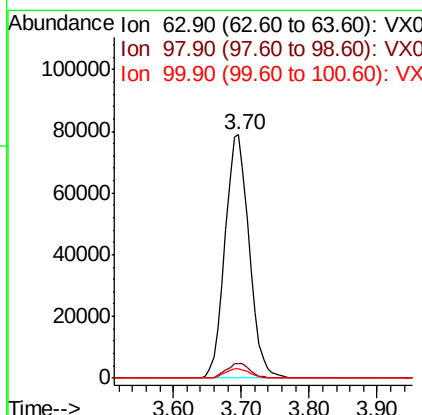
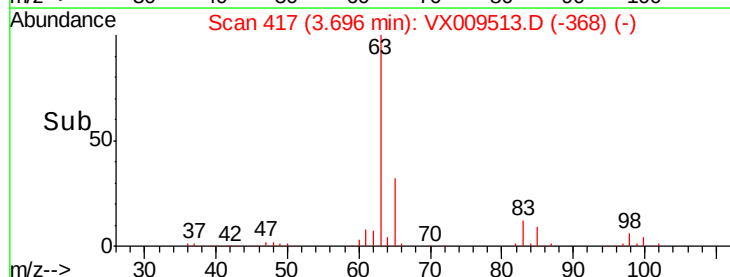
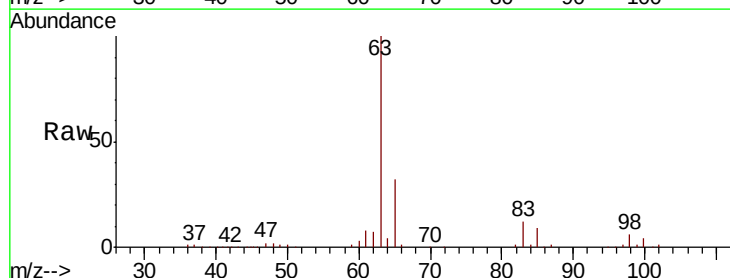
Tgt Ion: 63 Resp: 193817

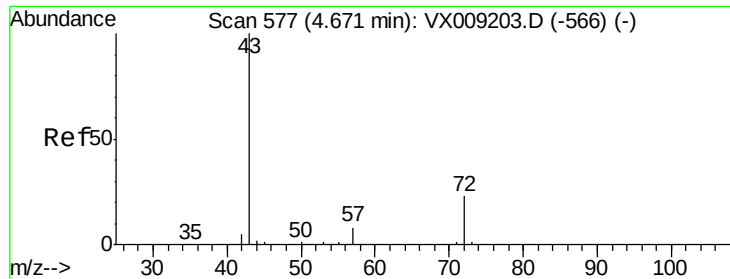
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 255.454 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

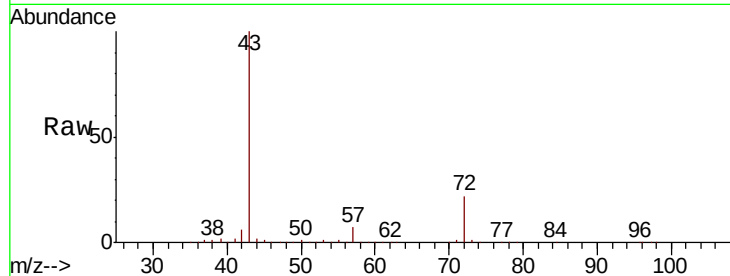
VSTDCCC050

Tot Ion: 43 Resp: 525589

Ion Ratio Lower Upper

43 100

72 21.9 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

200000

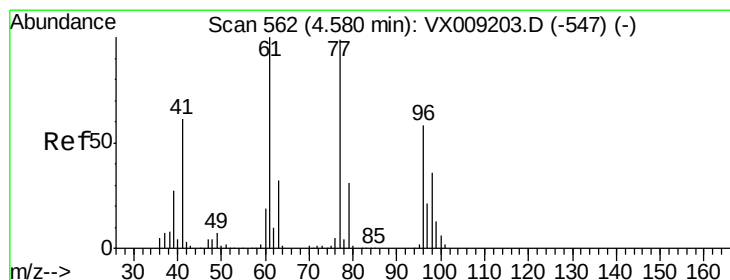
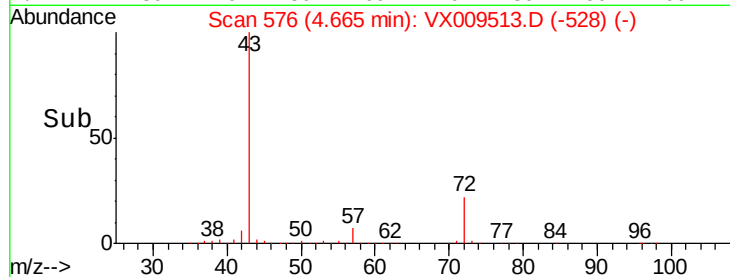
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 52.740 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009513.D

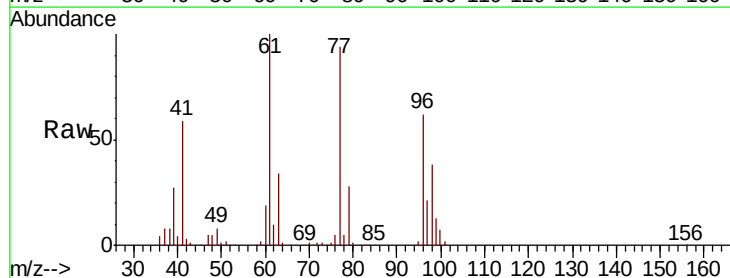
Acq: 11 May 2019 10:14

Tgt Ion: 77 Resp: 153818

Ion Ratio Lower Upper

77 100

97 22.5 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

60000

50000

40000

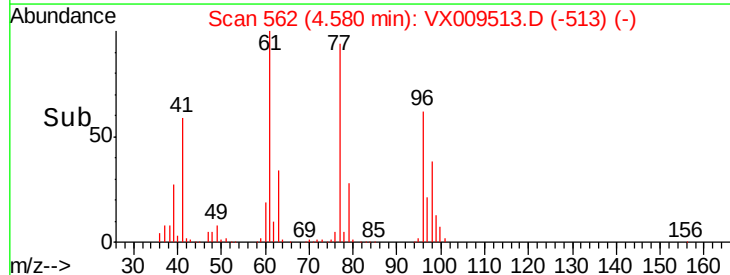
30000

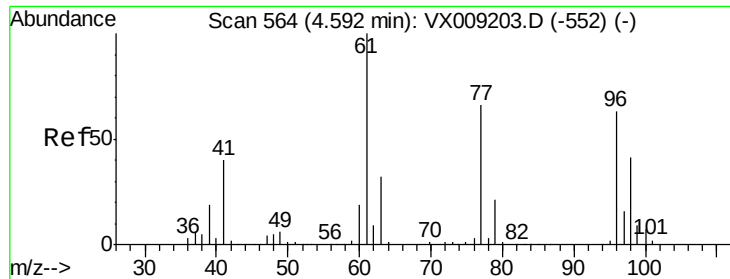
20000

10000

0

Time-->



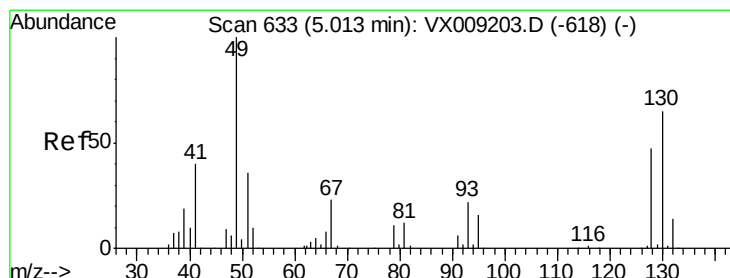
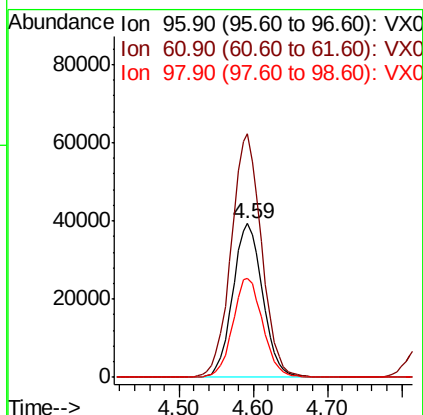
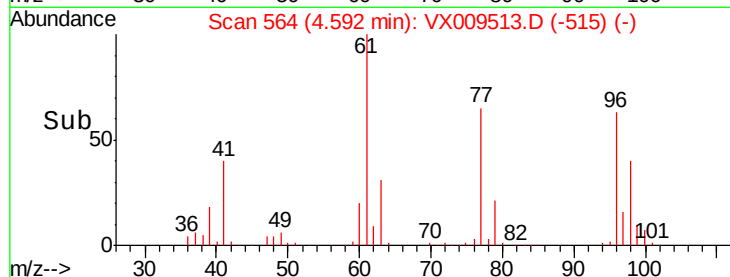
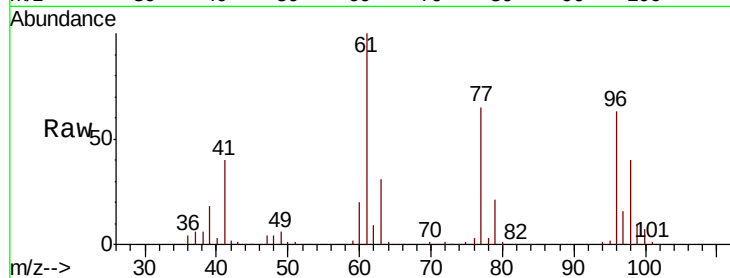


#27

cis-1,2-Dichloroethene
Concen: 50.612 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

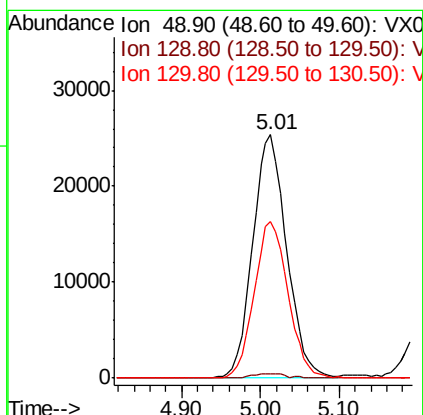
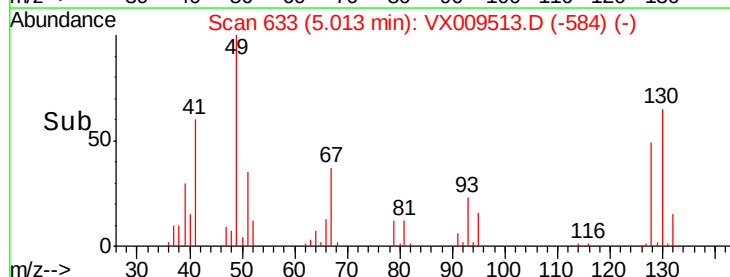
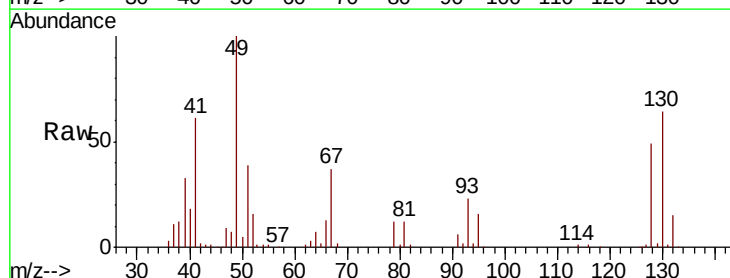
Tot Ion: 96 Resp: 111036
Ion Ratio Lower Upper
96 100
61 160.3 0.0 324.0
98 64.3 0.0 130.4

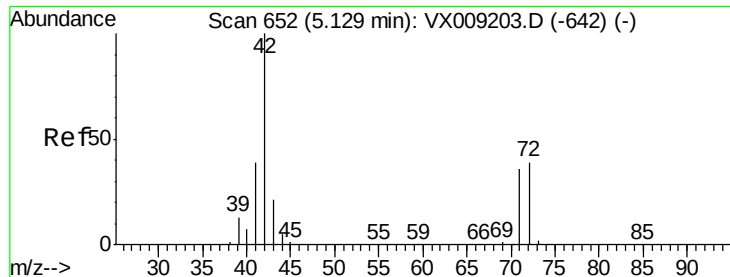


#28

Bromochloromethane
Concen: 47.995 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion: 49 Resp: 75876
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.8
130 64.3 51.2 76.8





#29

Tetrahydrofuran

Concen: 247.896 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

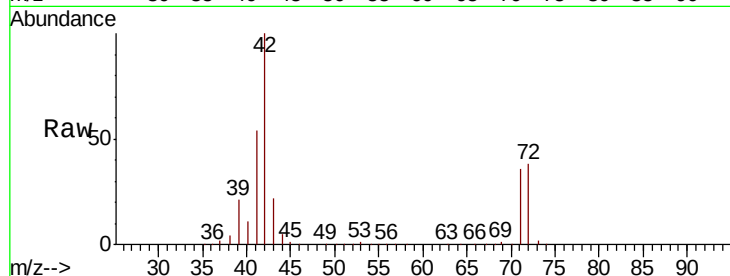
Tot Ion: 42 Resp: 328207

Ion Ratio Lower Upper

42 100

72 37.3 30.4 45.6

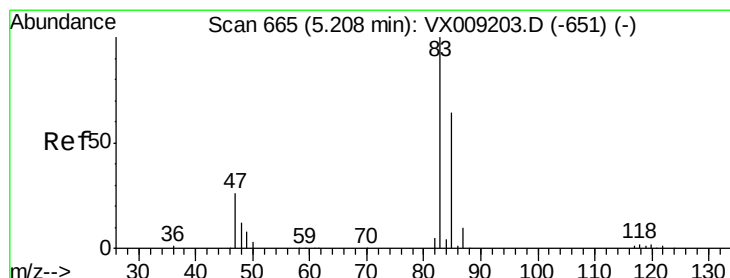
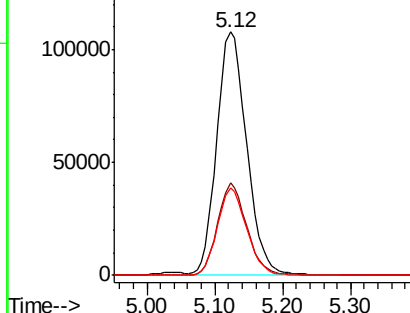
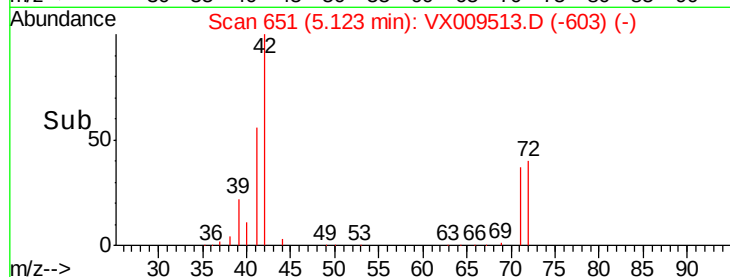
71 35.1 28.6 43.0



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: 50.980 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009513.D

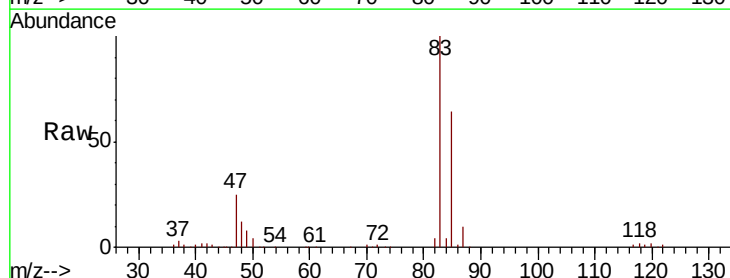
Acq: 11 May 2019 10:14

Tgt Ion: 83 Resp: 180665

Ion Ratio Lower Upper

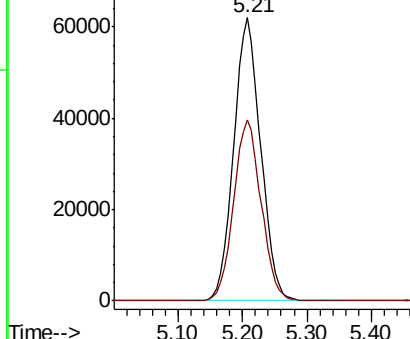
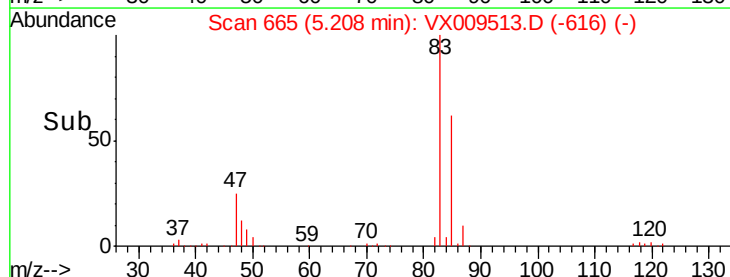
83 100

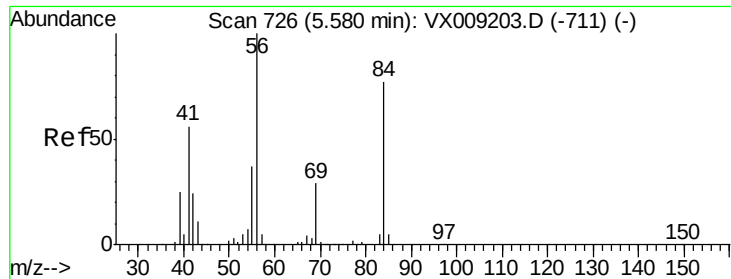
85 64.0 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

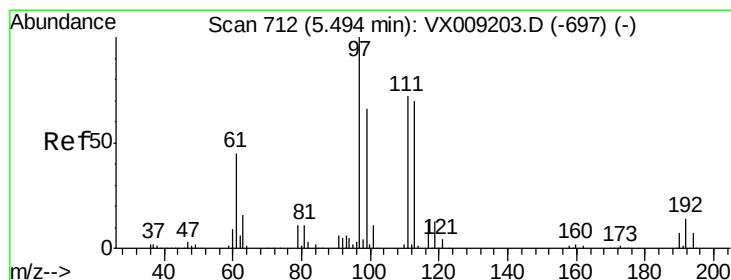
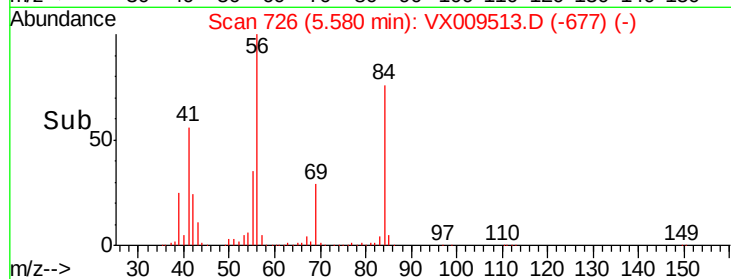
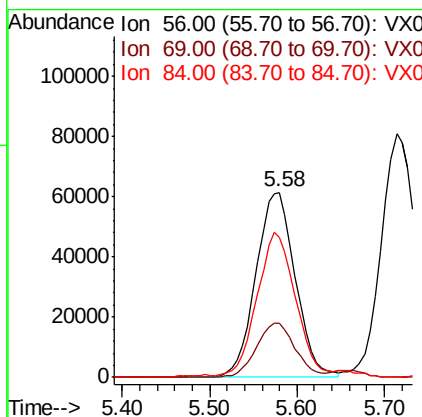
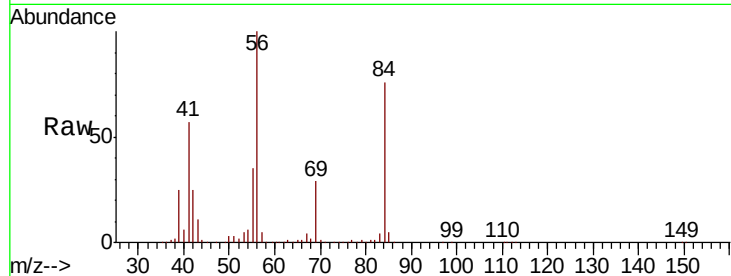




#31
Cyclohexane
Concen: 53.005 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

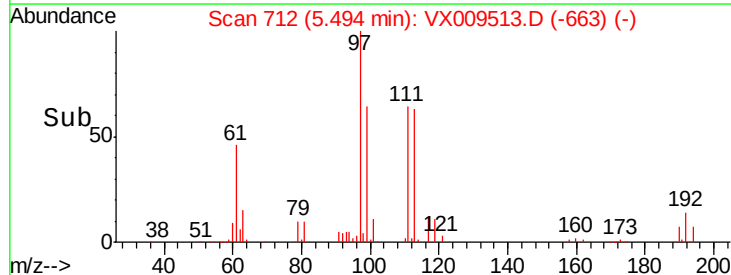
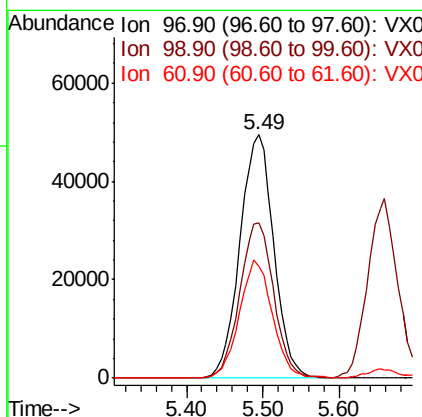
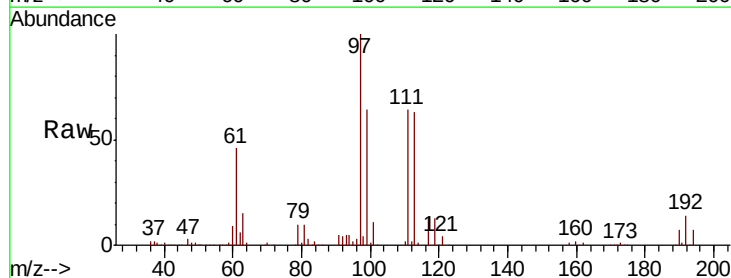
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

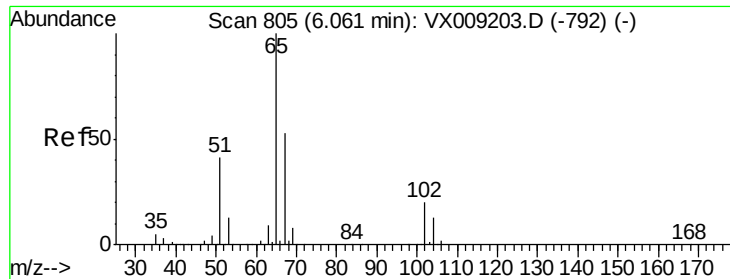
Tot Ion: 56 Resp: 193227
Ion Ratio Lower Upper
56 100
69 29.4 23.4 35.0
84 74.4 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 51.440 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion: 97 Resp: 151753
Ion Ratio Lower Upper
97 100
99 64.1 51.8 77.8
61 47.5 37.8 56.8

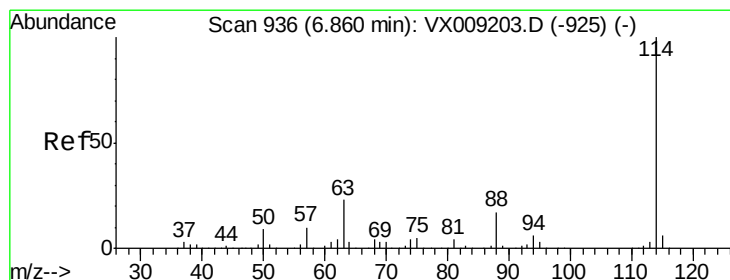
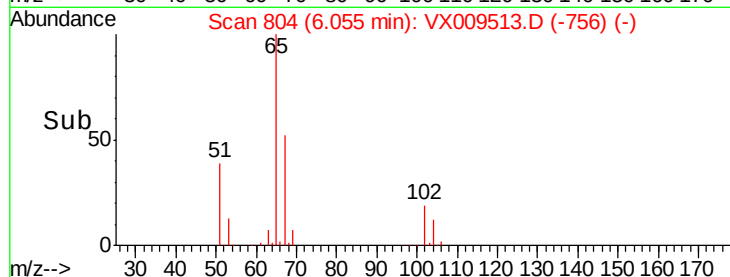
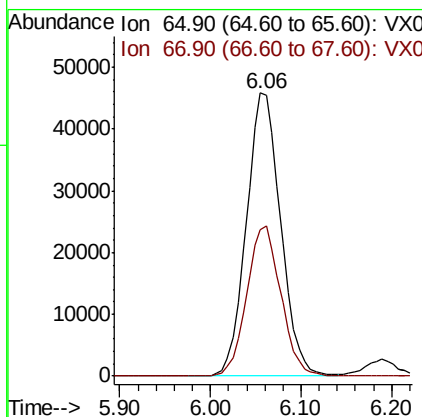
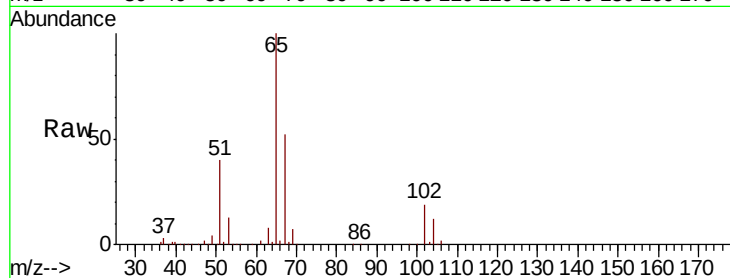




#33
 1,2-Dichloroethane-d4
 Concen: 48.662 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

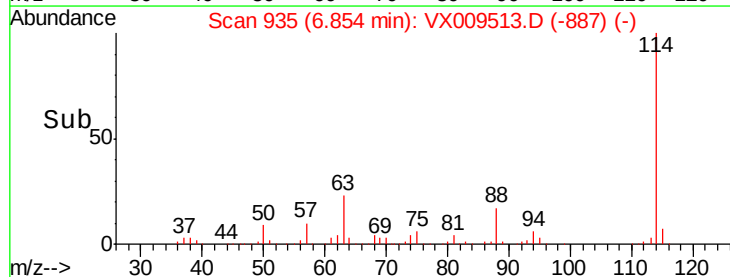
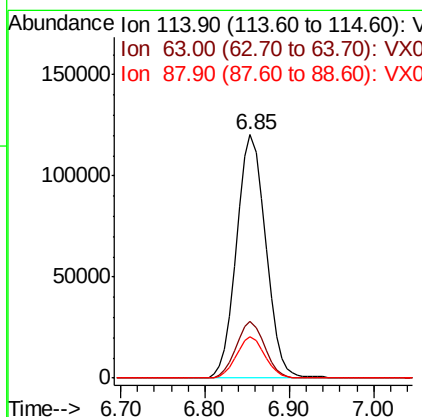
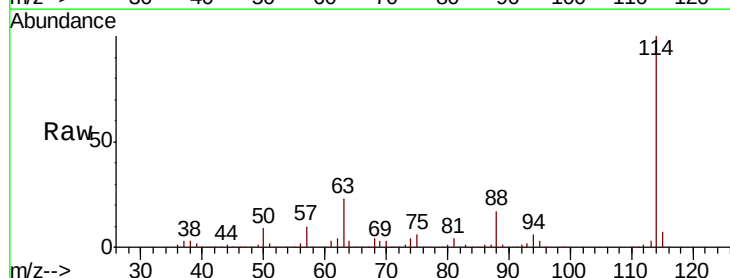
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

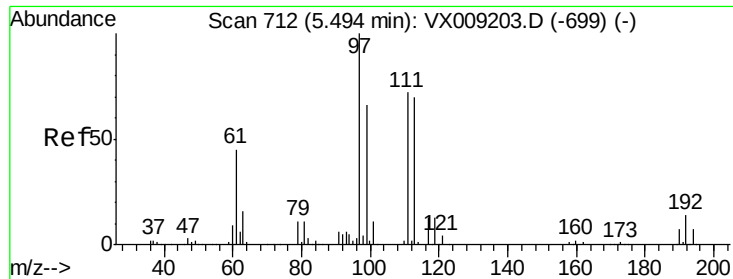
Tot Ion: 65 Resp: 119987
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion: 114 Resp: 281562
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.6
 88 16.8 0.0 33.2

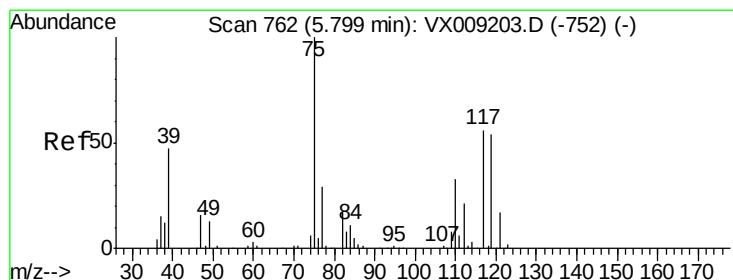
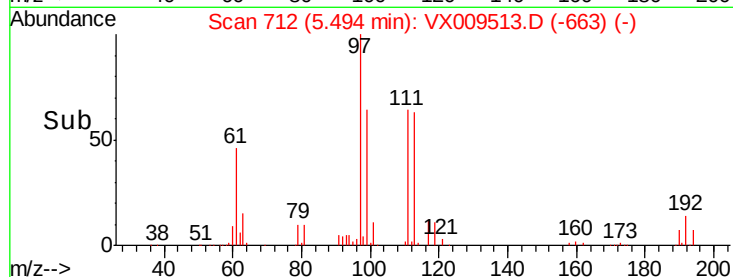
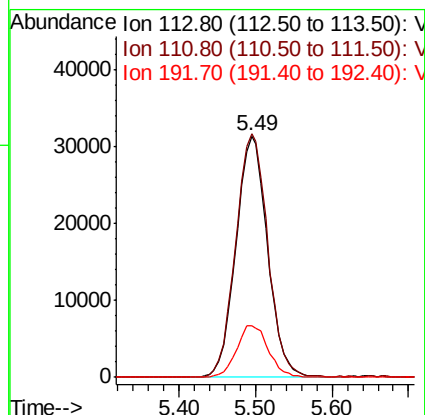
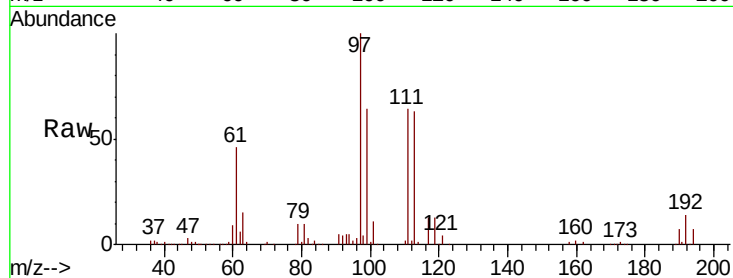




#35
 Dibromofluoromethane
 Concen: 50.584 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

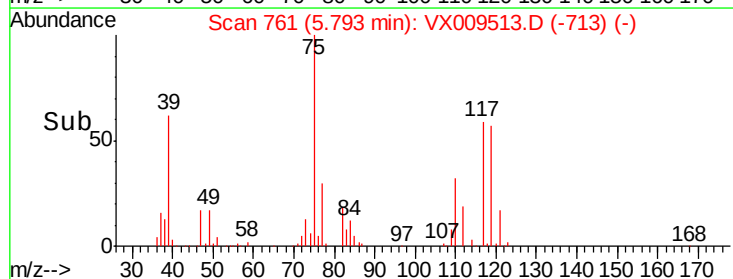
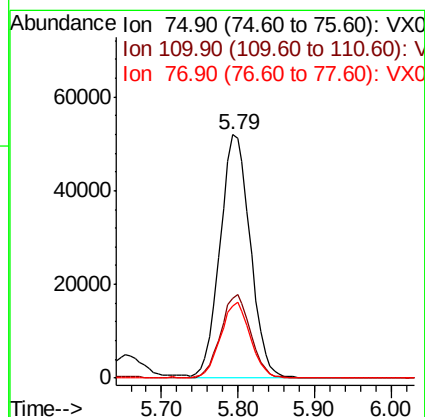
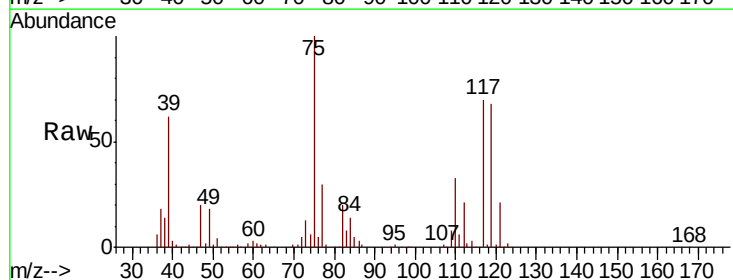
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

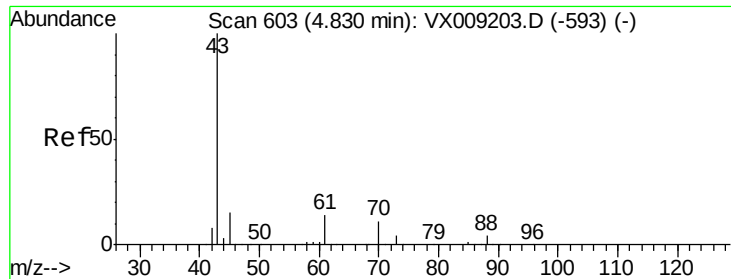
Tot Ion:113 Resp: 89535
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.8 124.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 54.086 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion: 75 Resp: 141522
 Ion Ratio Lower Upper
 75 100
 110 34.1 16.9 50.6
 77 30.6 24.8 37.2

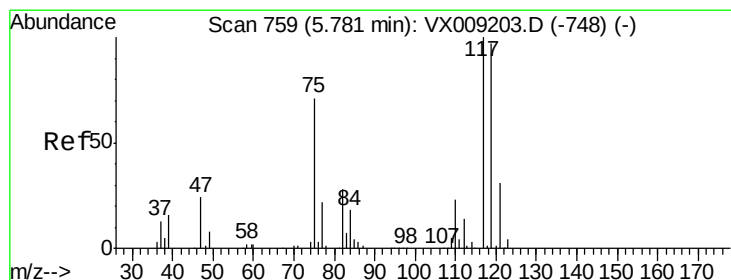
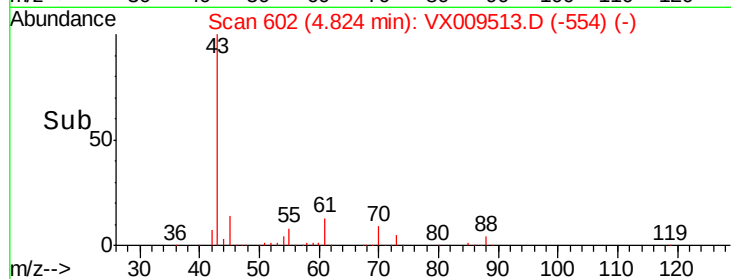
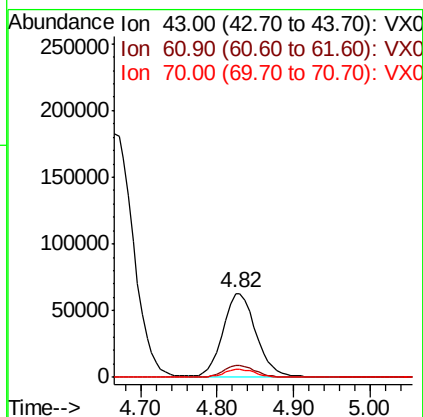
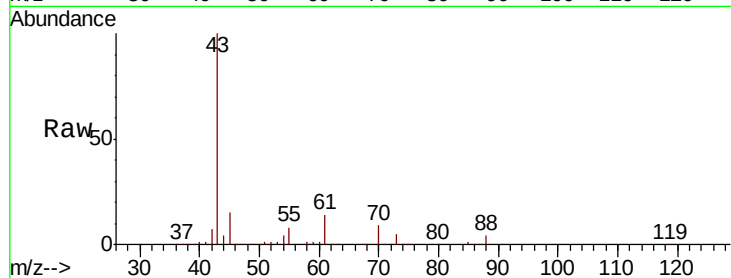




#37
Ethyl Acetate
Concen: 51.245 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

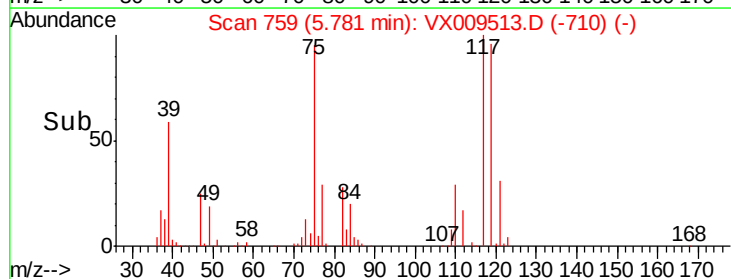
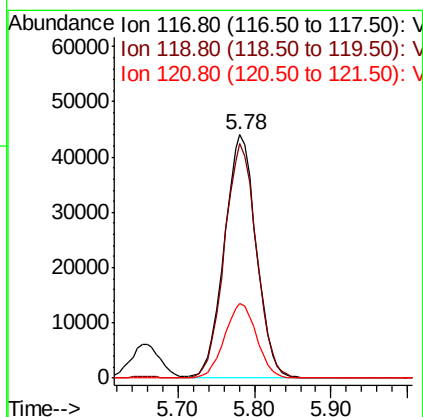
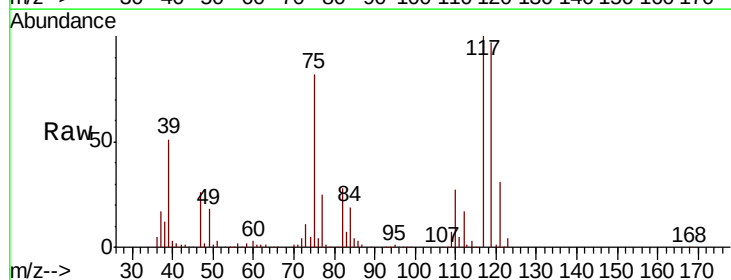
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

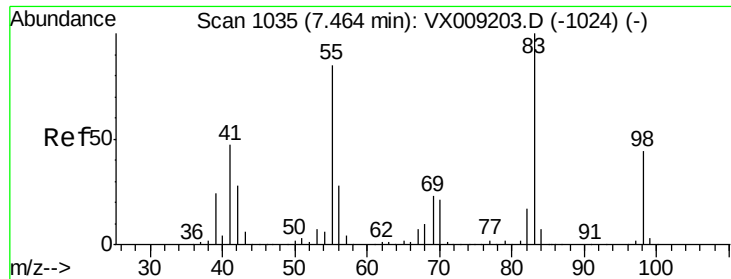
Tot Ion	43	Resp	186825
Ion Ratio	Lower	Upper	
43	100		
61	13.4	10.5	15.7
70	9.5	7.9	11.9



#38
Carbon Tetrachloride
Concen: 53.553 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion	117	Resp	127314
Ion Ratio	Lower	Upper	
117	100		
119	96.6	77.5	116.3
121	30.7	24.7	37.1

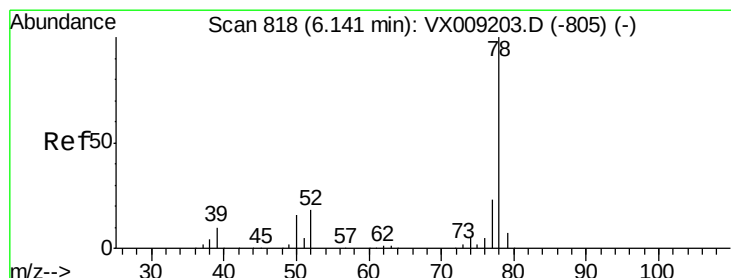
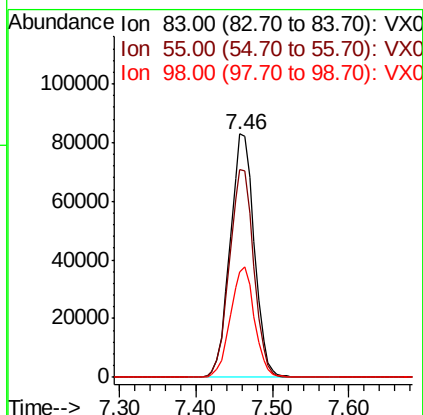
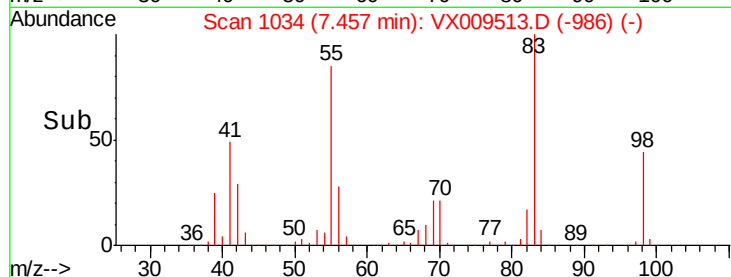
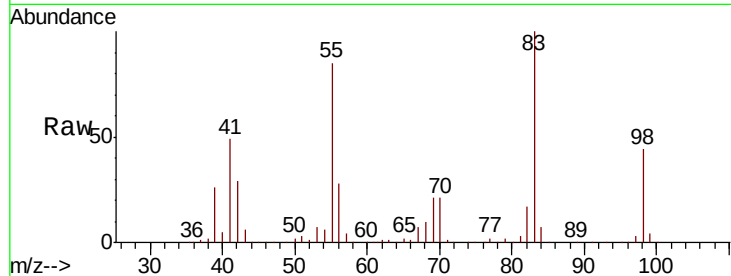




#39
Methylvlcyclohexane
Concen: 56.527 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

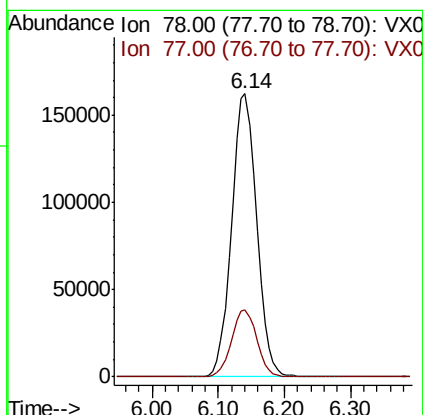
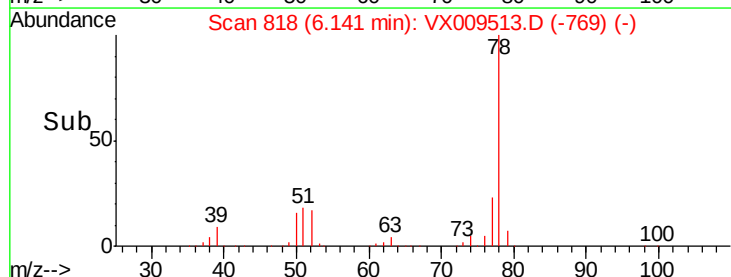
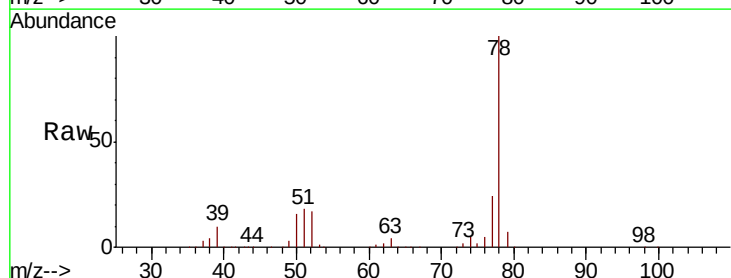
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

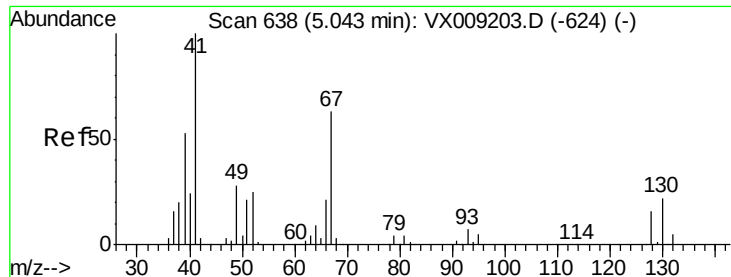
Tot Ion: 83 Resp: 181644
Ion Ratio Lower Upper
83 100
55 85.2 67.7 101.5
98 43.5 35.5 53.3



#40
Benzene
Concen: 52.662 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion: 78 Resp: 426453
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

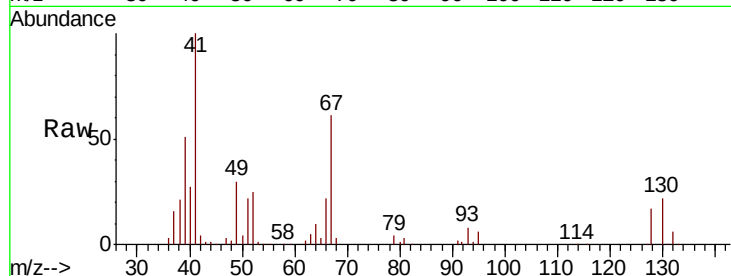




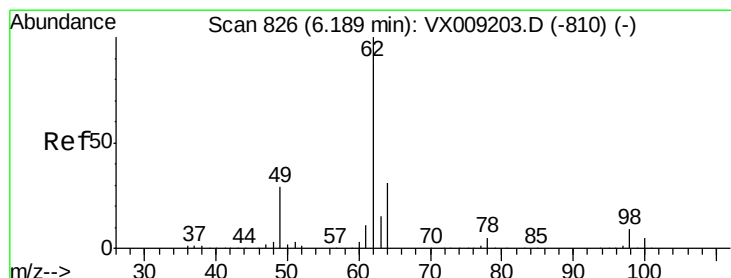
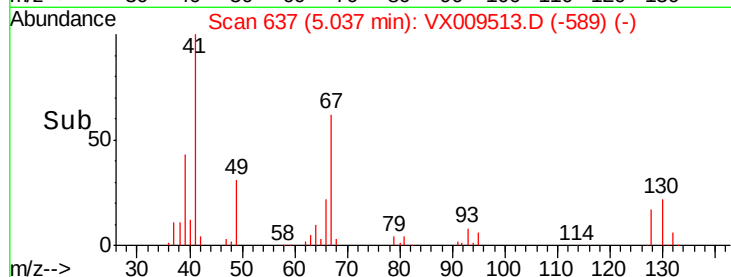
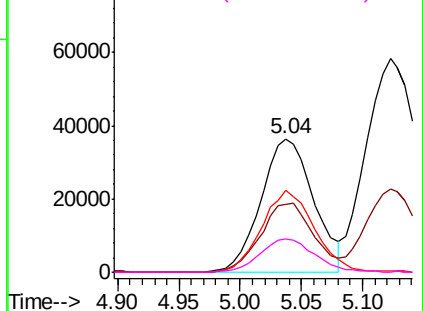
#41
Methacrylonitrile
Concen: 50.346 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	109260
Ion	Ratio	Lower	Upper
41	100		
39	51.7	42.0	63.0
67	61.7	49.8	74.8
52	26.5	20.3	30.5

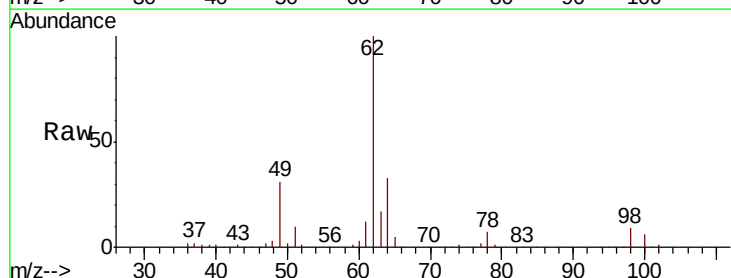


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

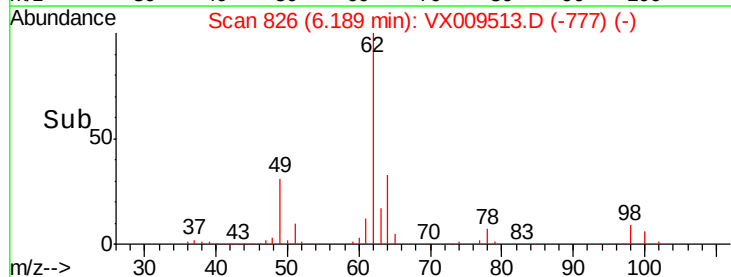
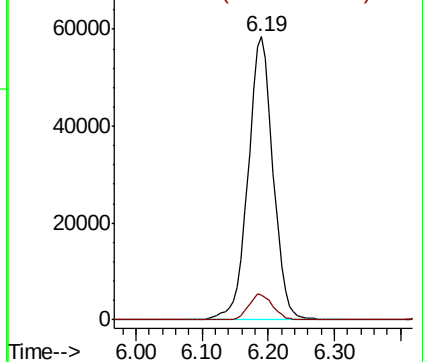


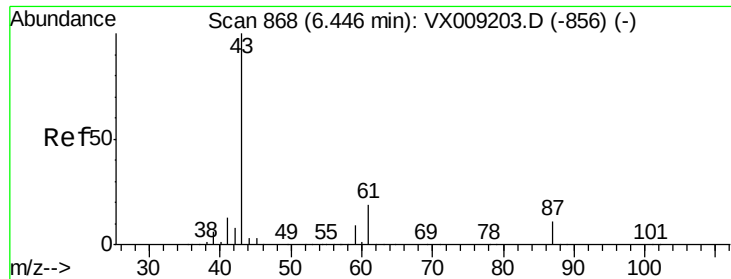
#42
1,2-Dichloroethane
Concen: 52.814 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion:	62	Resp:	153418
Ion	Ratio	Lower	Upper
62	100		
98	8.8	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: 52.219 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

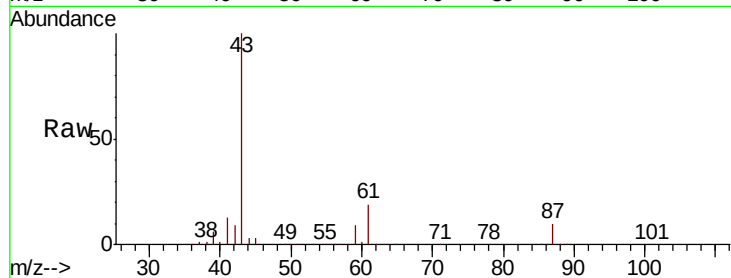
Tot Ion: 43 Resp: 304511

Ion Ratio Lower Upper

43 100

61 18.6 15.1 22.7

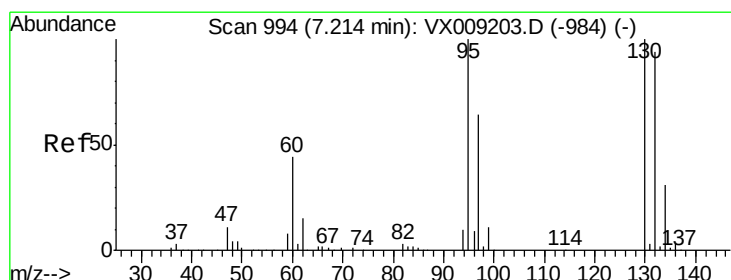
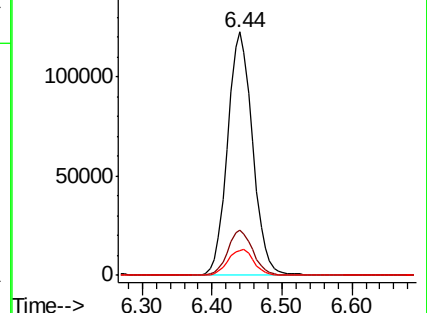
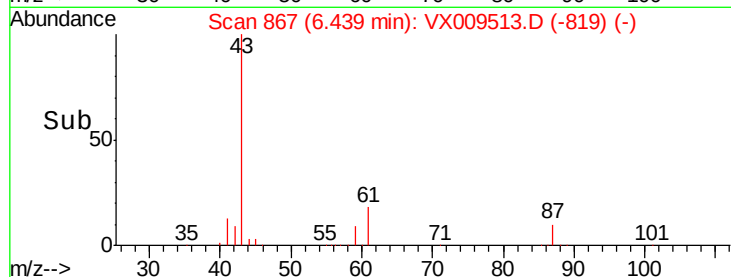
87 11.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 53.022 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX009513.D

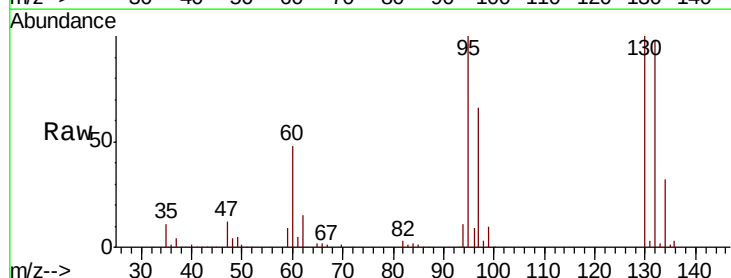
Acq: 11 May 2019 10:14

Tgt Ion:130 Resp: 103800

Ion Ratio Lower Upper

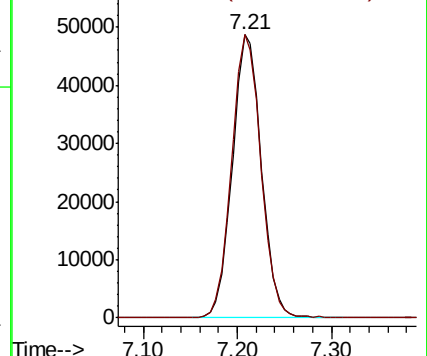
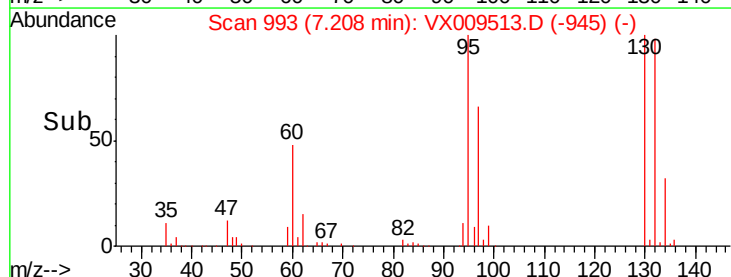
130 100

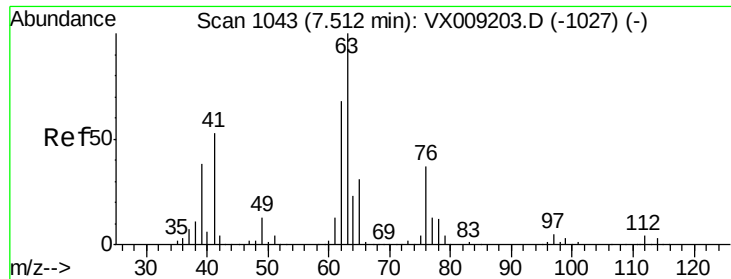
95 100.1 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

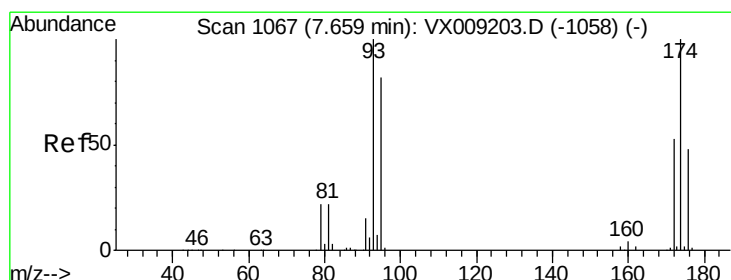
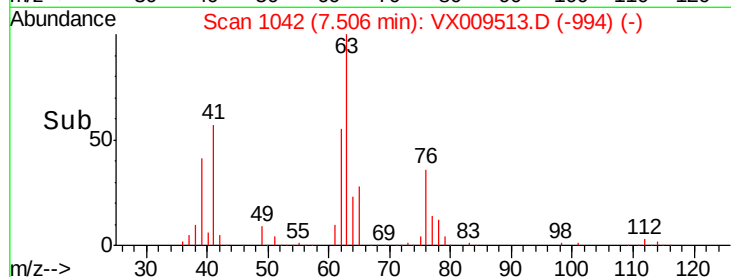
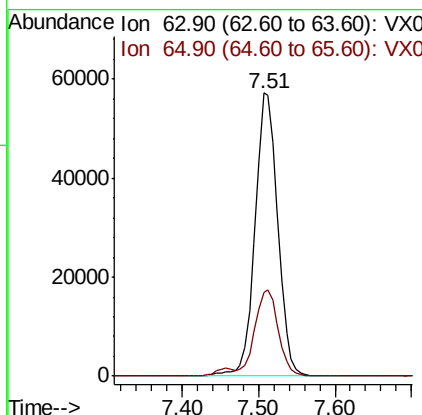
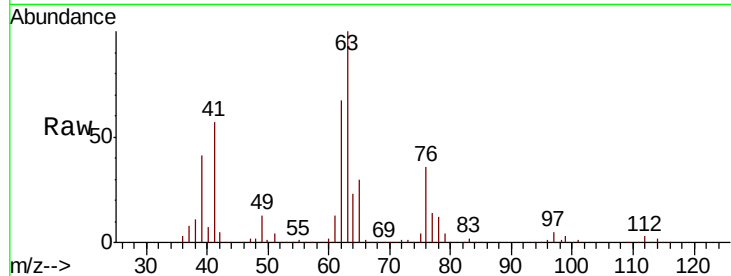




#45
 1,2-Dichloropropane
 Concen: 52.030 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

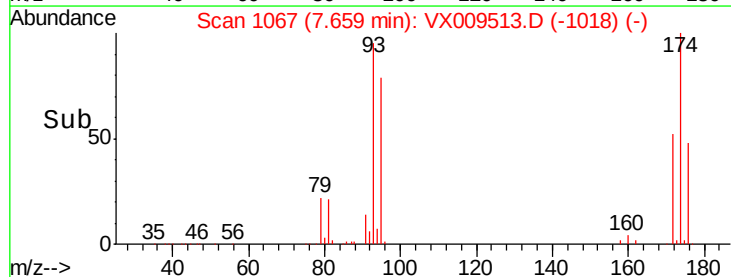
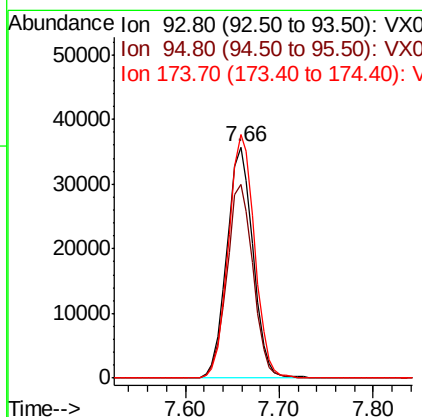
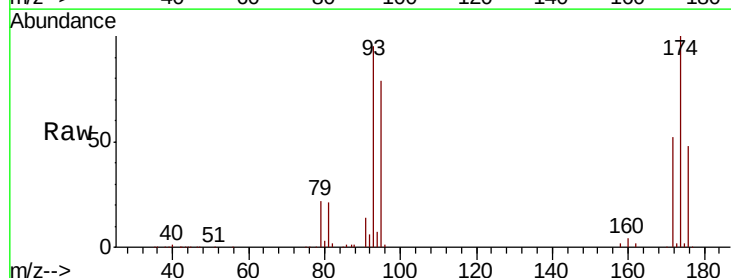
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

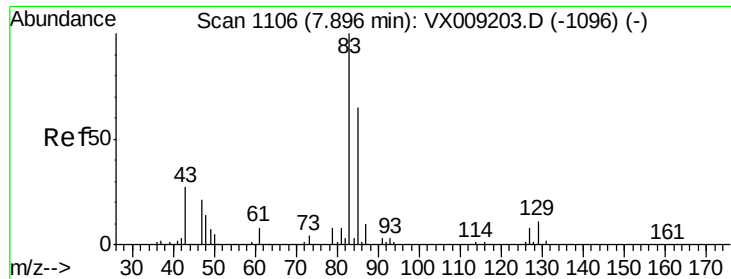
Tot Ion: 63 Resp: 119304
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.6



#46
 Dibromomethane
 Concen: 51.772 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion: 93 Resp: 68937
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.5 99.7
 174 105.6 82.1 123.1





#47

Bromodichloromethane

Concen: 53.254 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

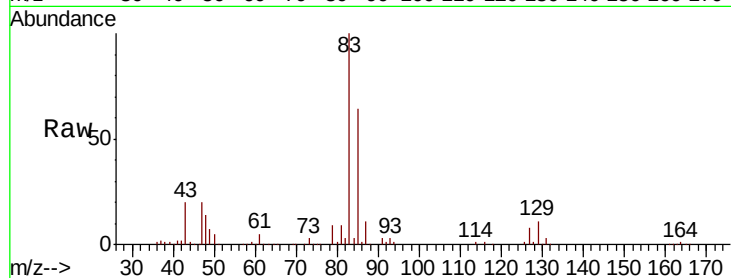
Tot Ion: 83 Resp: 141450

Ion Ratio Lower Upper

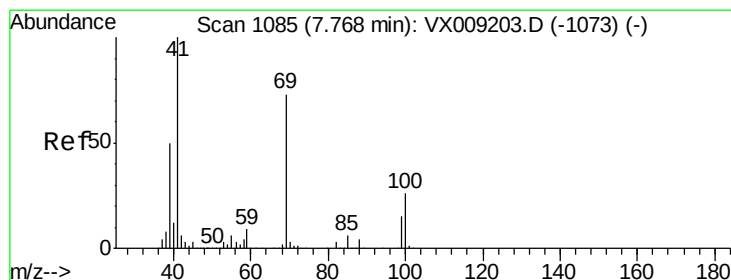
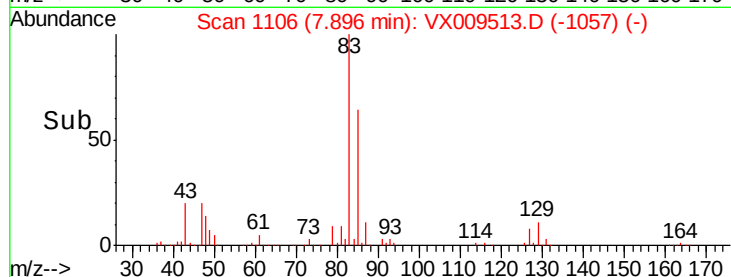
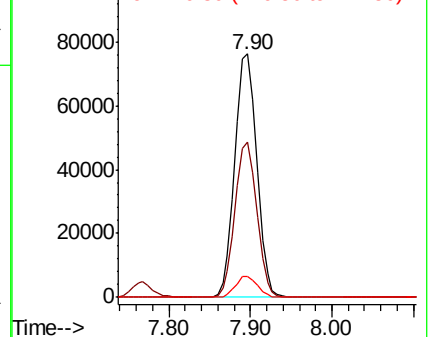
83 100

85 63.8 52.4 78.6

127 8.3 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: 53.467 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

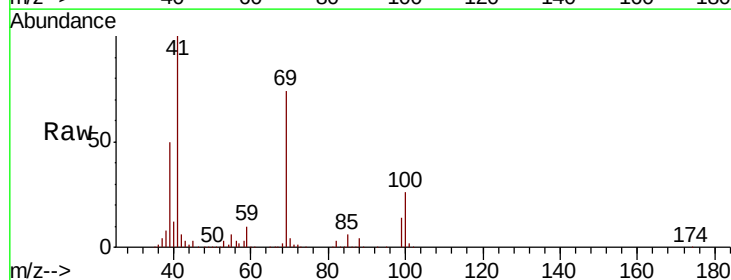
Tgt Ion: 41 Resp: 154687

Ion Ratio Lower Upper

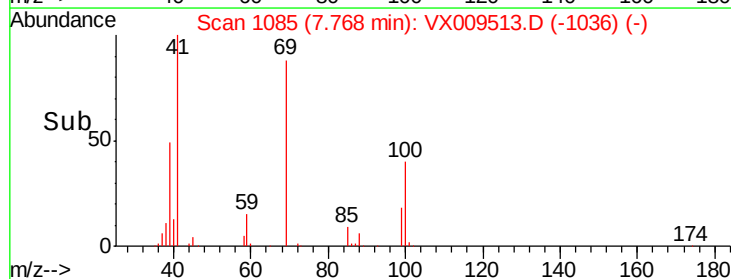
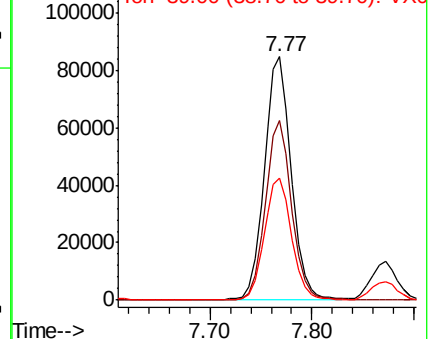
41 100

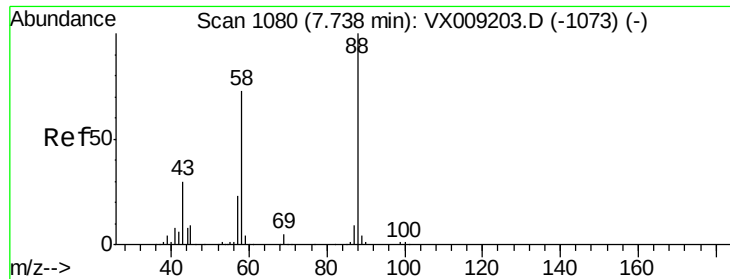
69 72.8 59.1 88.7

39 50.7 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

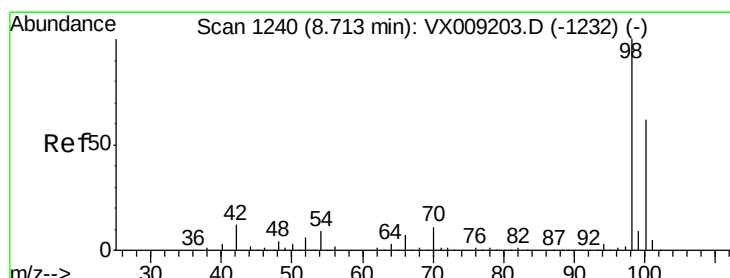
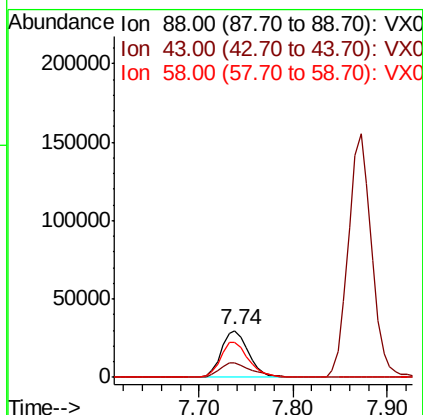
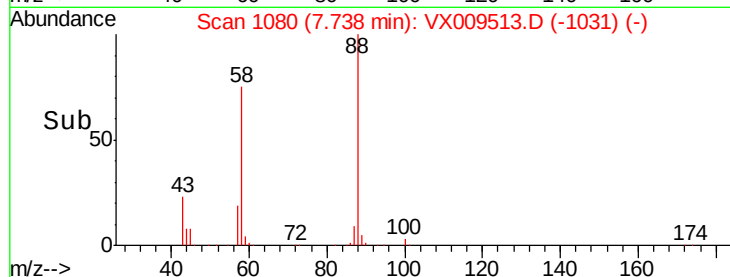
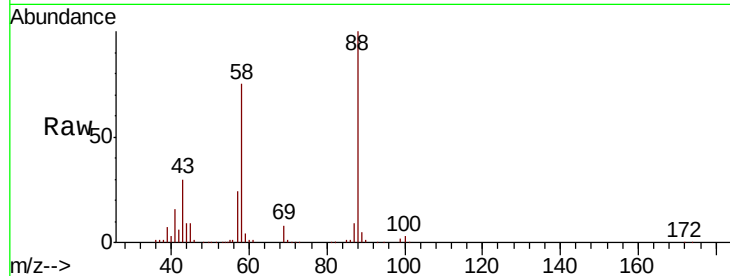




#49
1,4-Dioxane
Concen: 1019.729 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

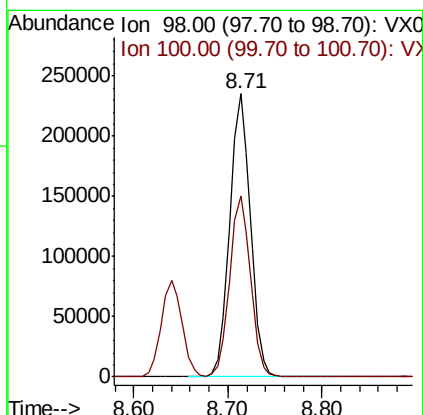
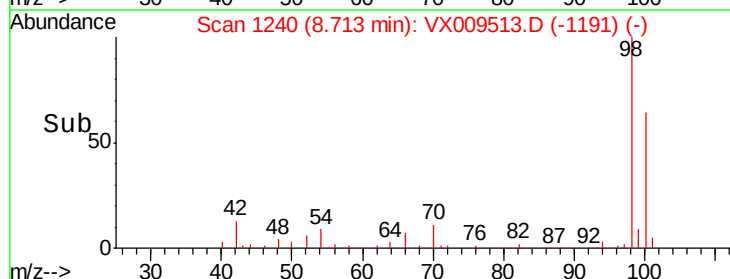
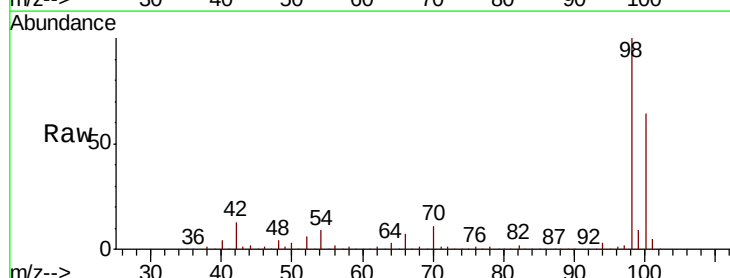
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

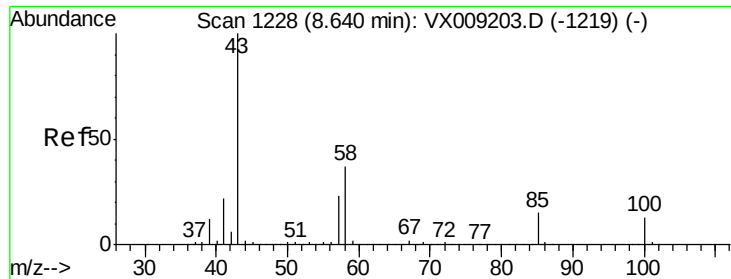
Tot Ion: 88 Resp: 59830
Ion Ratio Lower Upper
88 100
43 35.8 28.6 42.8
58 77.1 61.7 92.5



#50
Toluene-d8
Concen: 50.181 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion: 98 Resp: 358589
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 260.026 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

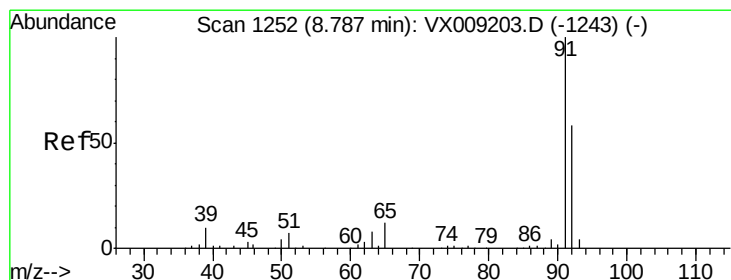
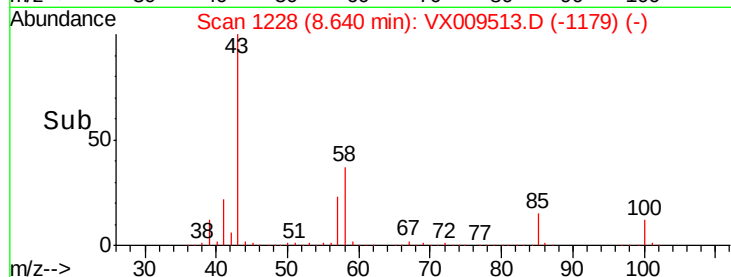
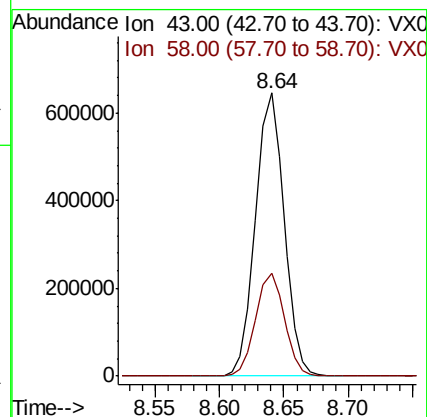
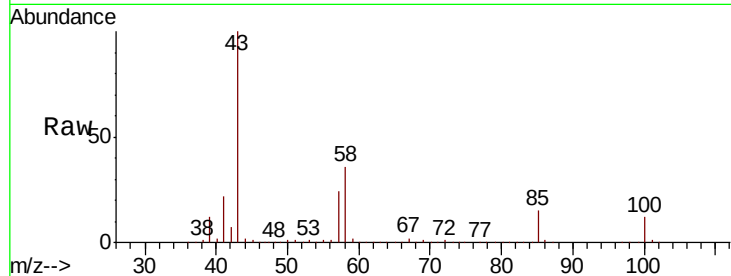
VSTDCCC050

Tot Ion: 43 Resp: 991110

Ion Ratio Lower Upper

43 100

58 36.5 29.5 44.3



#52

Toluene

Concen: 53.089 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009513.D

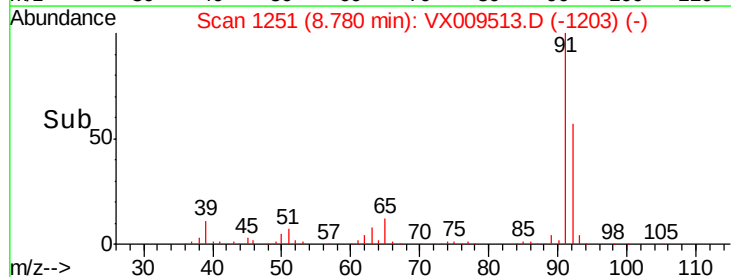
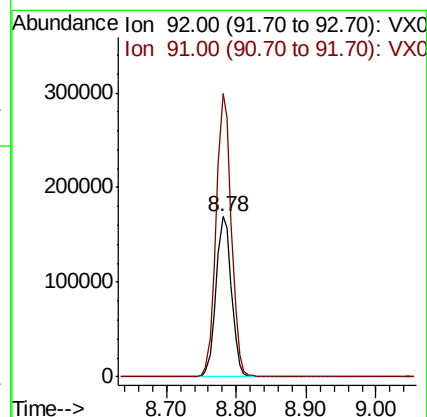
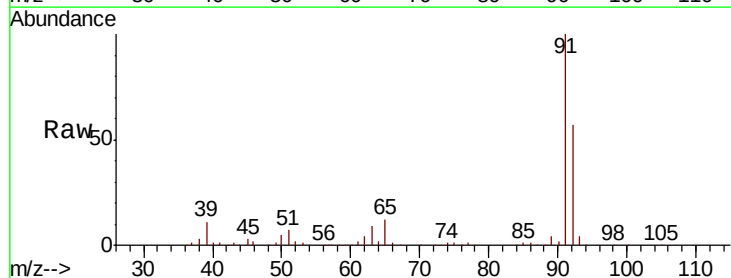
Acq: 11 May 2019 10:14

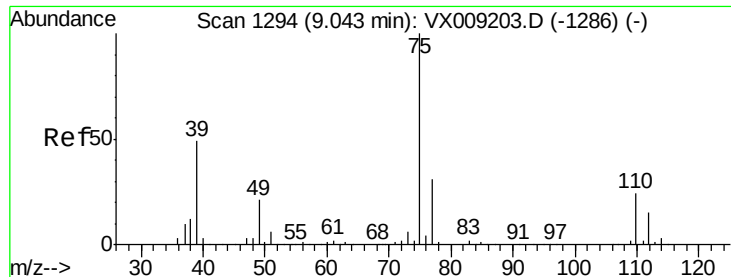
Tgt Ion: 92 Resp: 261331

Ion Ratio Lower Upper

92 100

91 173.4 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 55.480 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

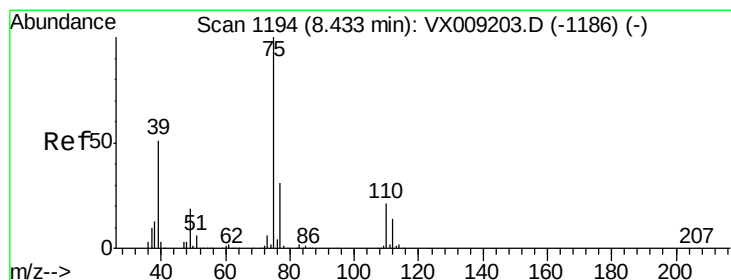
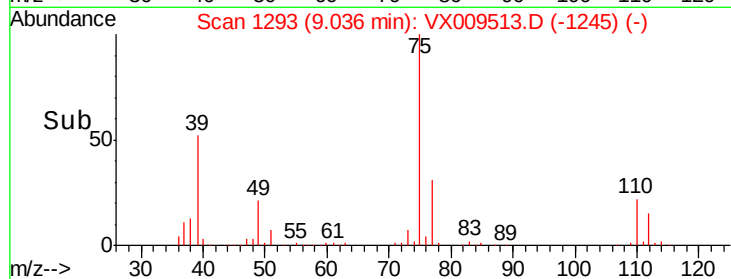
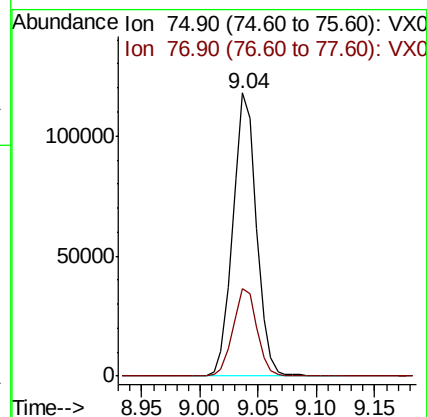
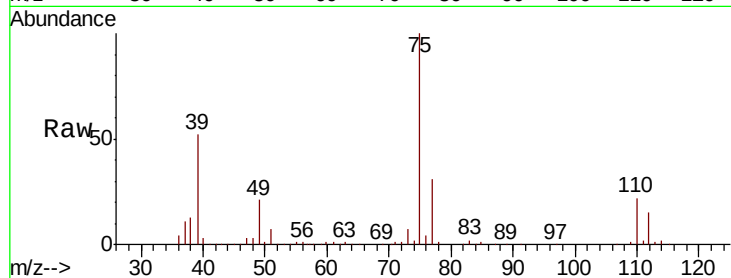
VSTDCCC050

Tot Ion: 75 Resp: 166372

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 55.134 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

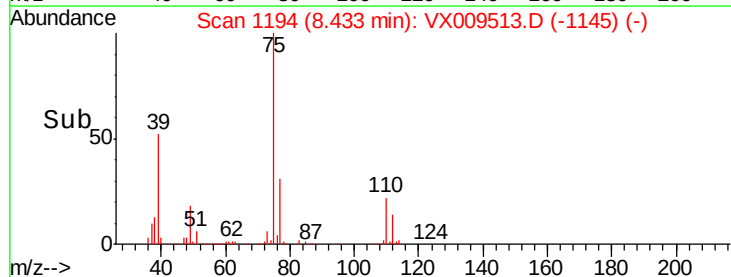
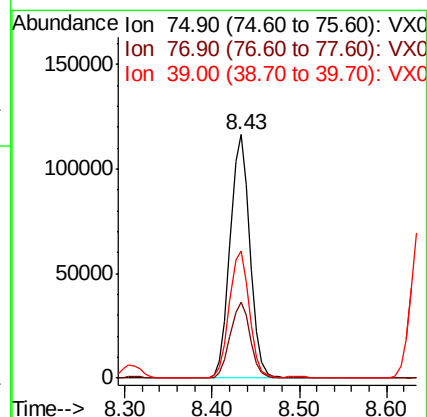
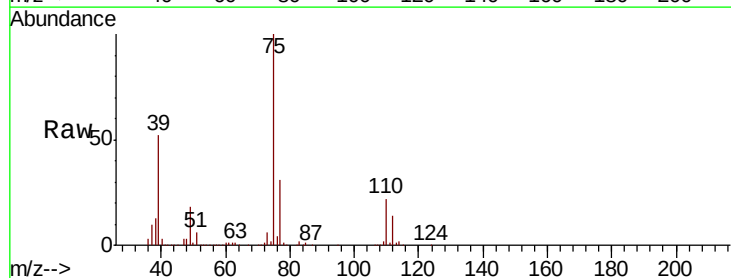
Tgt Ion: 75 Resp: 183000

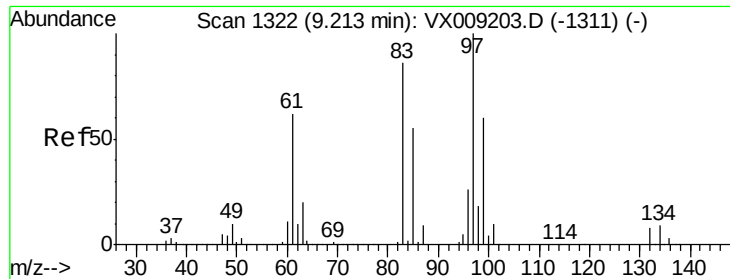
Ion Ratio Lower Upper

75 100

77 31.3 24.6 36.8

39 51.9 40.6 60.8

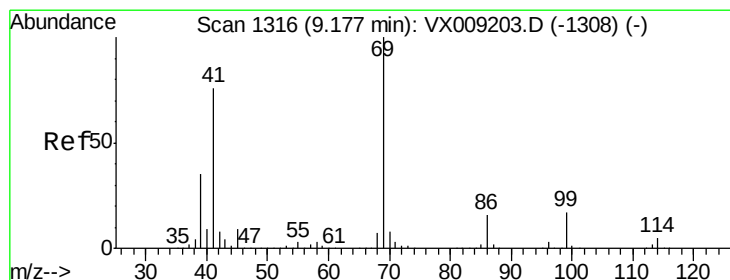
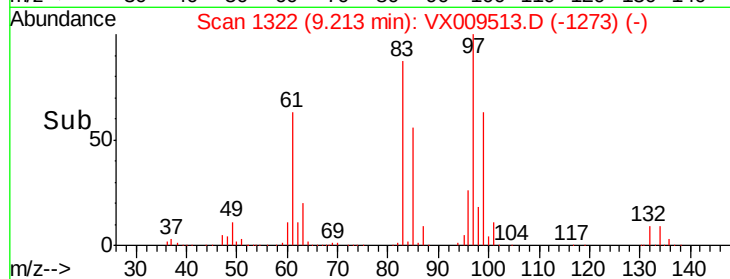
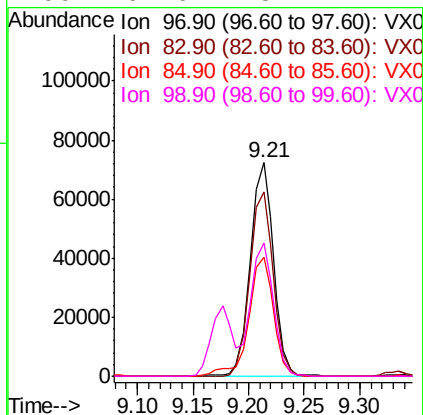
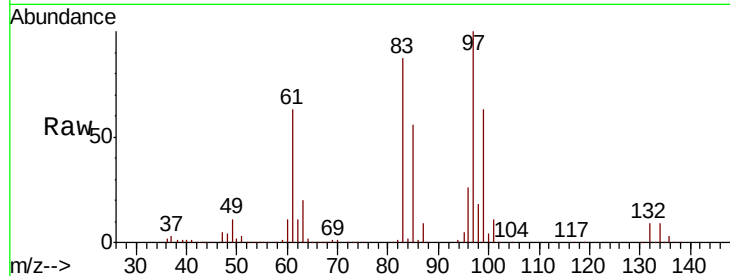




#55
 1,1,2-Trichloroethane
 Concen: 52.309 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

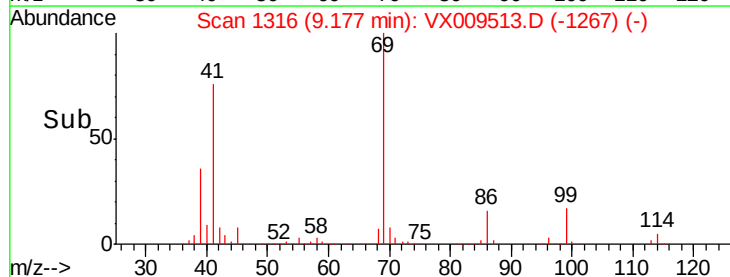
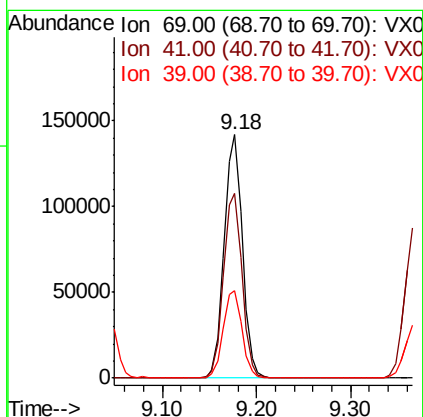
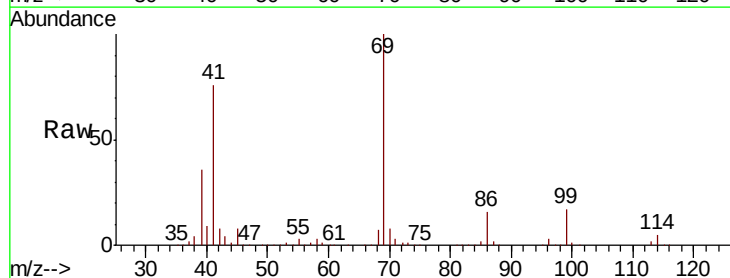
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

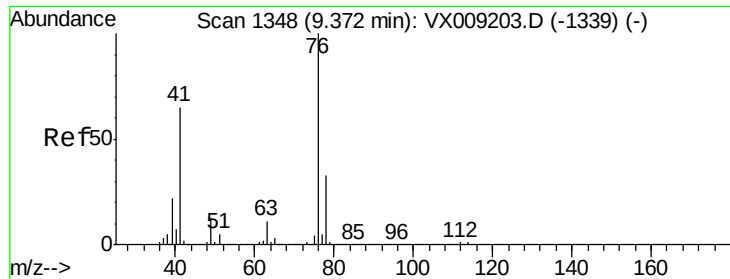
Tot Ion:	97	Resp:	105050
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.9	103.3
85	55.9	43.8	65.6
99	62.6	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 53.307 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion:	69	Resp:	191097
Ion	Ratio	Lower	Upper
69	100		
41	77.1	60.6	90.8
39	36.5	28.2	42.4





#57

1,3-Dichloropropane

Concen: 52.502 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

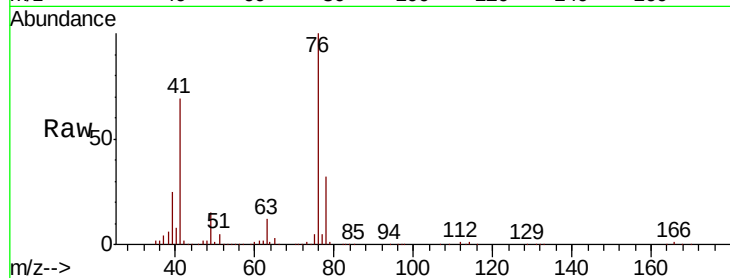
VSTDCCC050

Tot Ion: 76 Resp: 185544

Ion Ratio Lower Upper

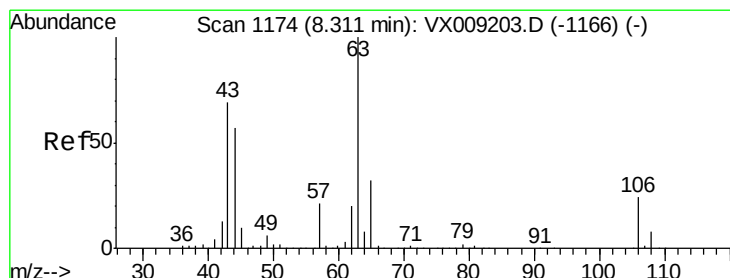
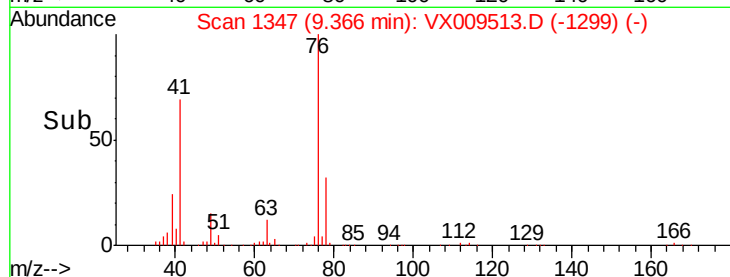
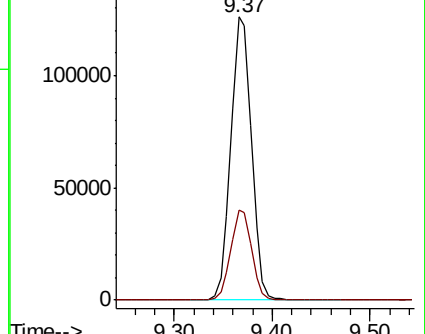
76 100

78 32.2 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: 250.333 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009513.D

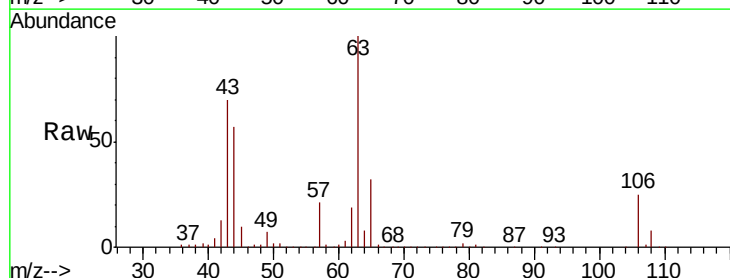
Acq: 11 May 2019 10:14

Tgt Ion: 63 Resp: 476068

Ion Ratio Lower Upper

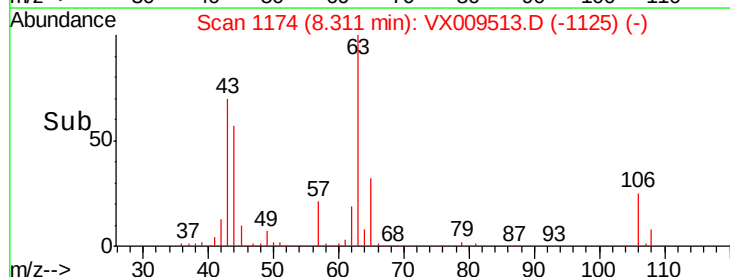
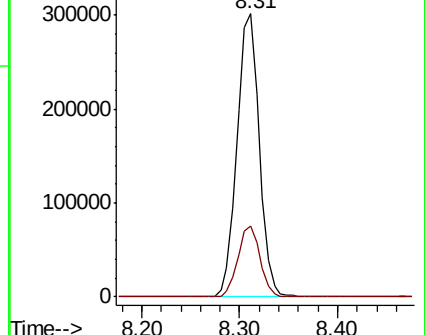
63 100

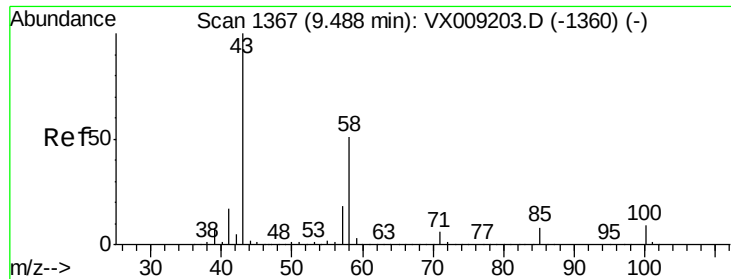
106 24.9 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

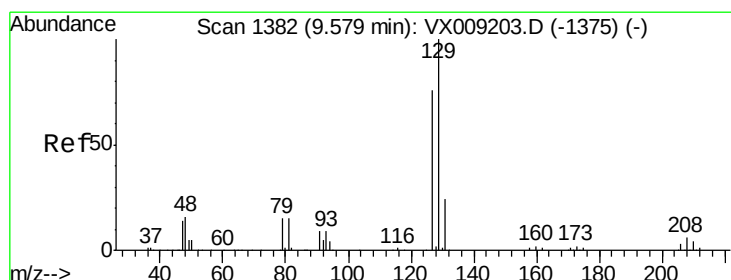
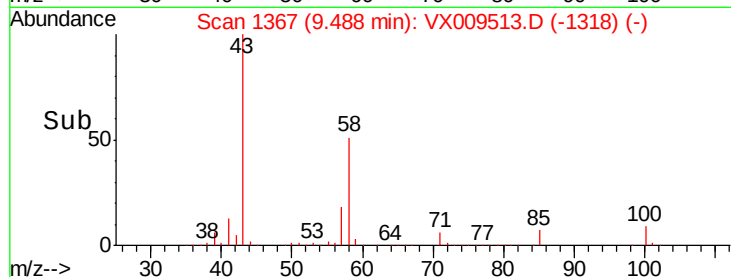
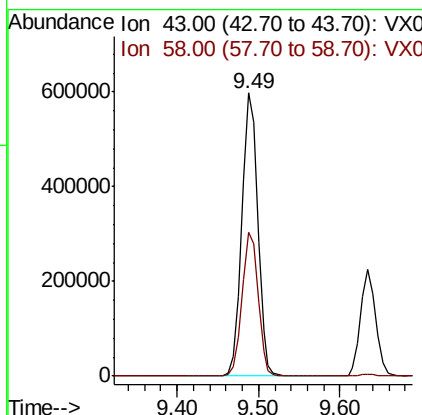
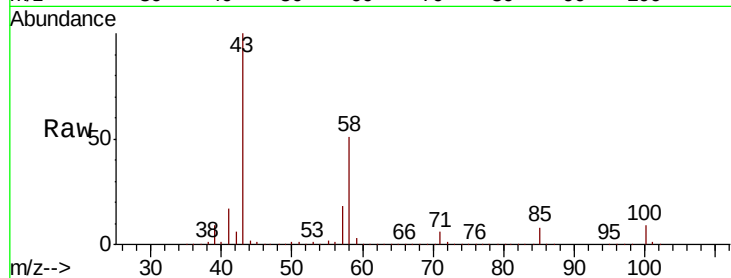




#59
2-Hexanone
Concen: 266.633 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

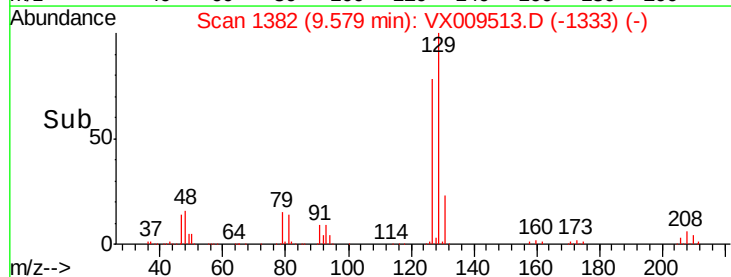
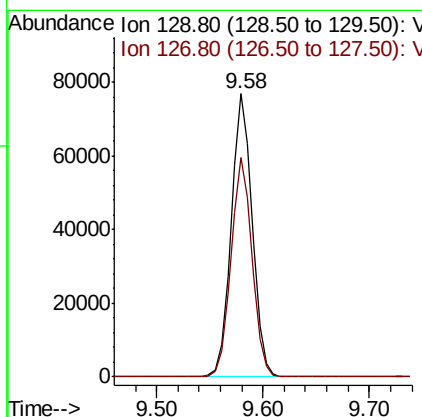
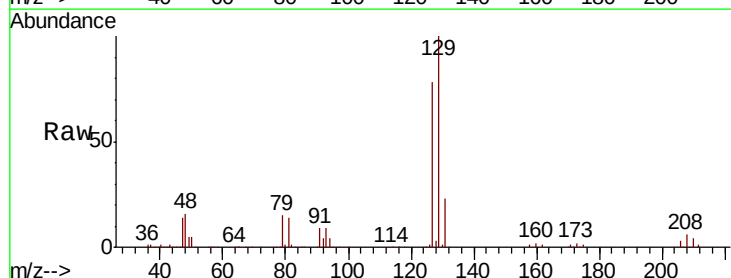
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

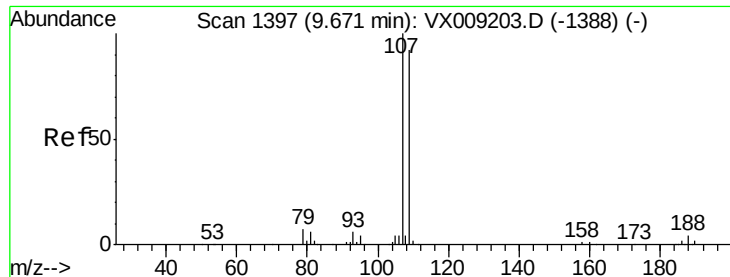
Tot Ion: 43 Resp: 798182
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7



#60
Dibromochloromethane
Concen: 54.342 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion:129 Resp: 106588
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.1

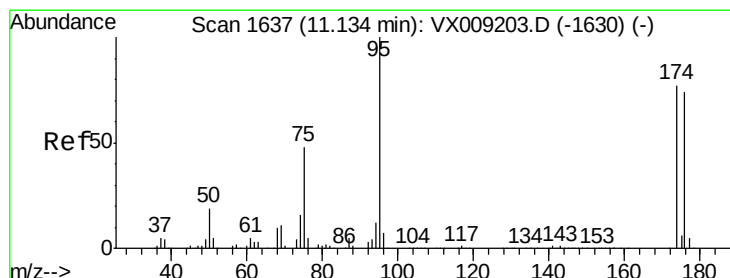
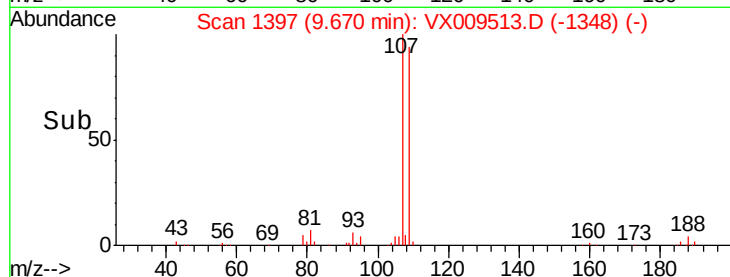
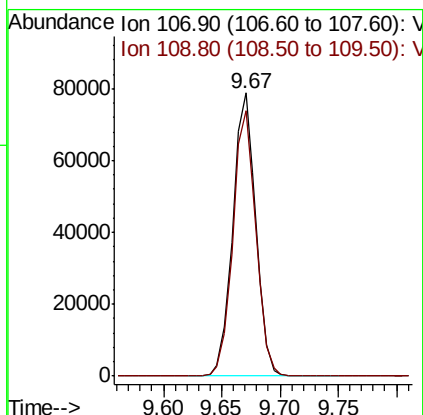
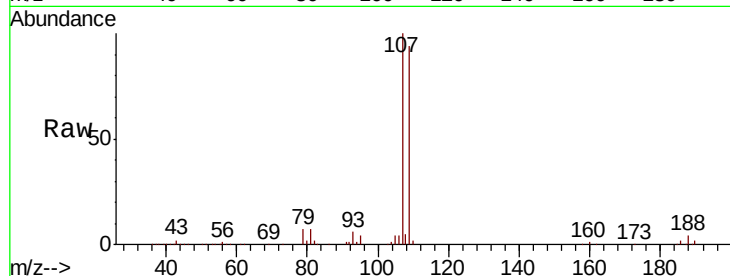




#61
 1,2-Dibromoethane
 Concen: 53.428 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

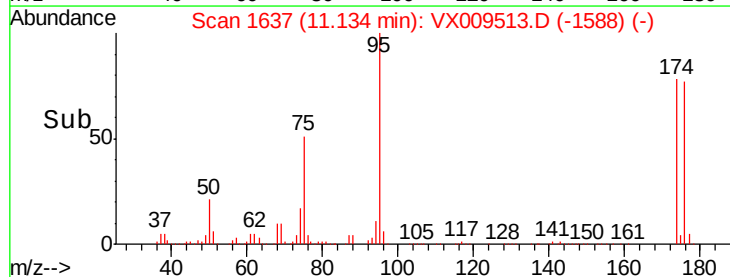
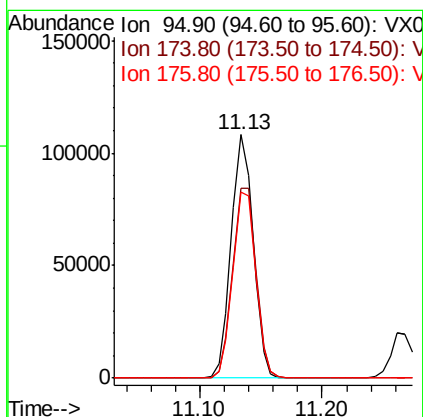
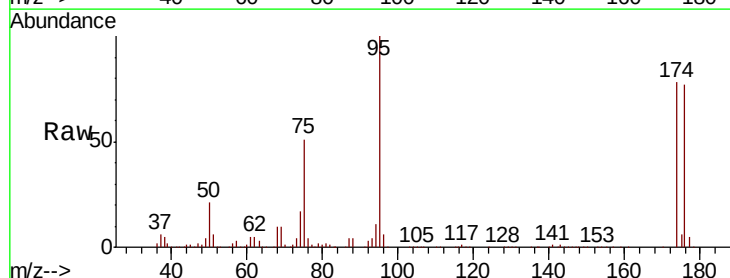
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

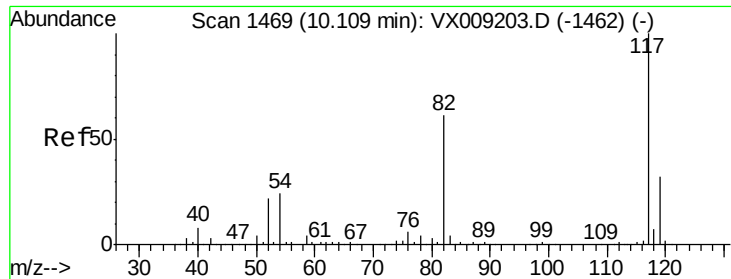
Tot Ion:107 Resp: 108309
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 51.864 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion: 95 Resp: 134670
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 161.6
 176 80.1 0.0 159.2

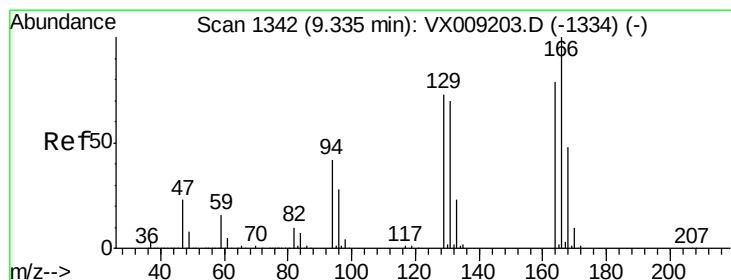
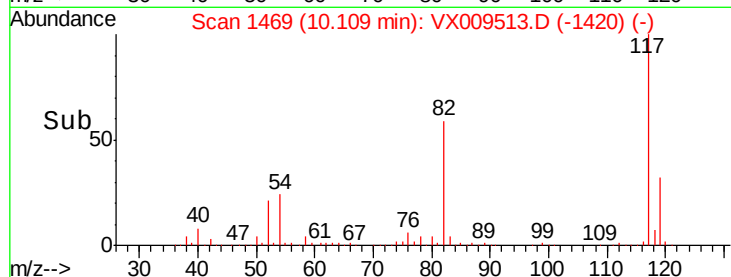
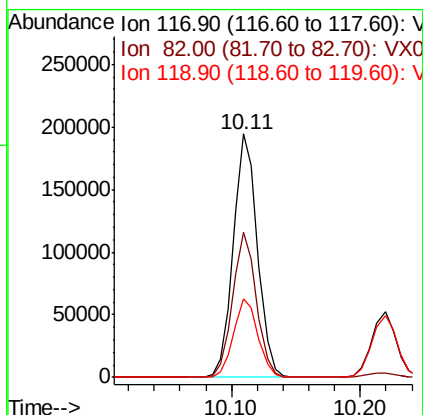
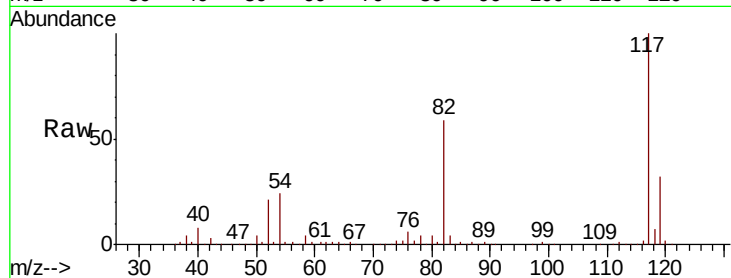




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

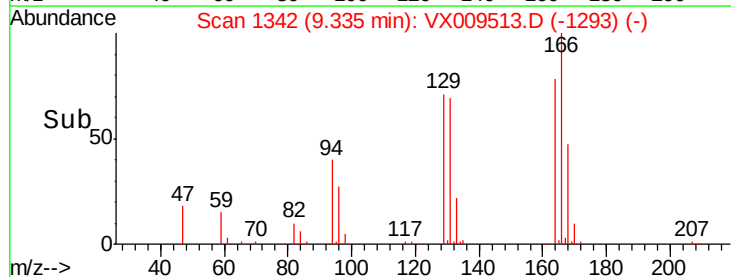
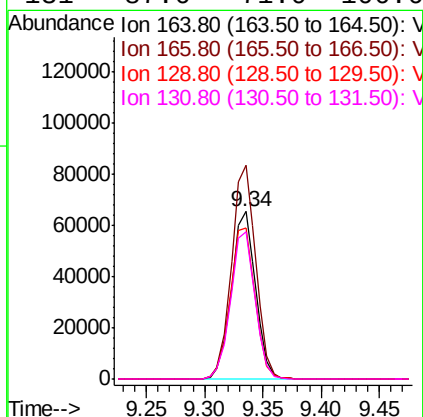
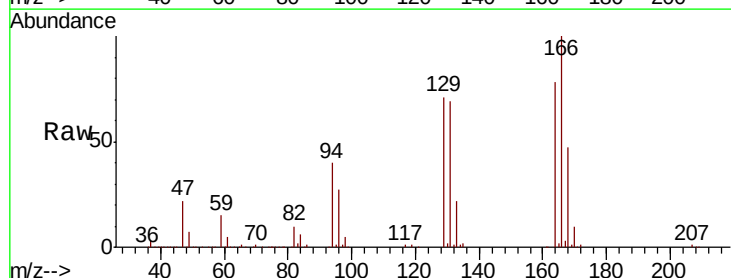
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

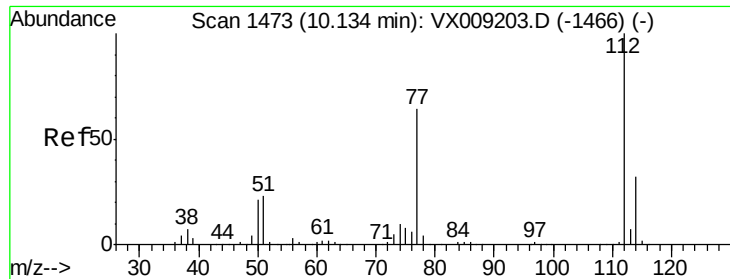
Tot Ion:117 Resp: 254480
Ion Ratio Lower Upper
117 100
82 59.4 48.8 73.2
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 54.171 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion:164 Resp: 94562
Ion Ratio Lower Upper
164 100
166 127.5 101.2 151.8
129 90.4 74.3 111.5
131 87.6 71.0 106.6

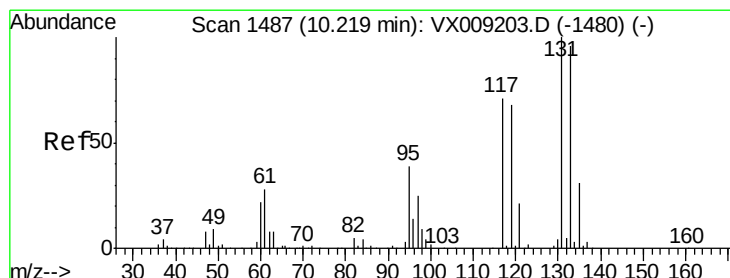
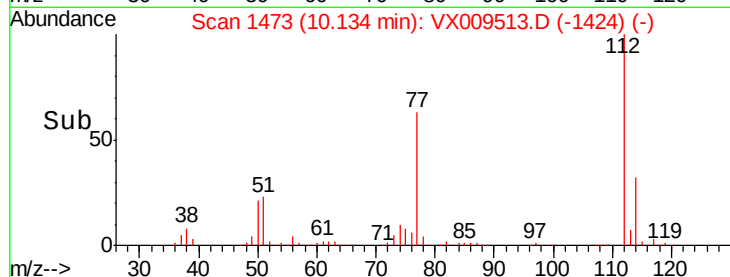
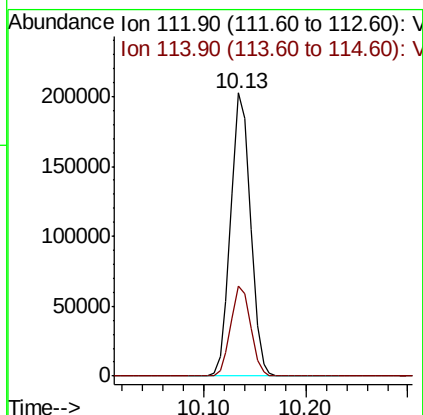
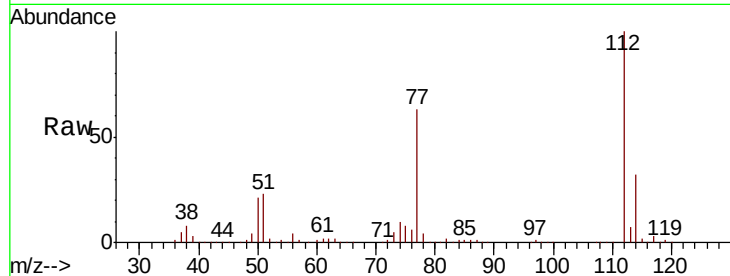




#65
Chlorobenzene
Concen: 53.299 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

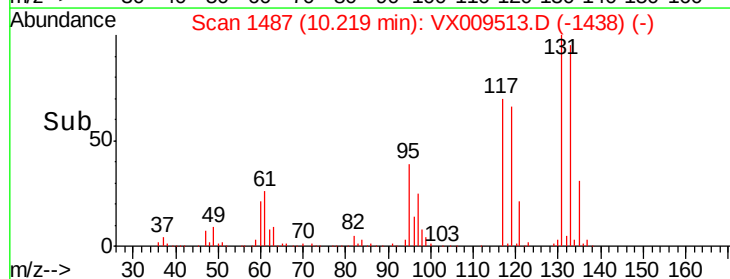
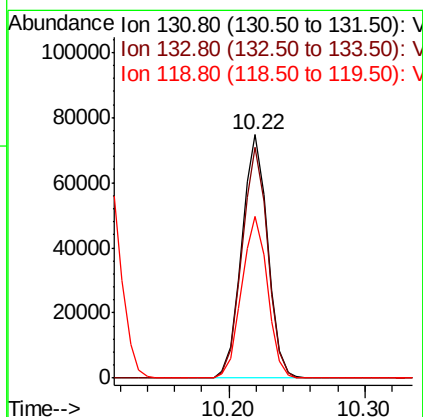
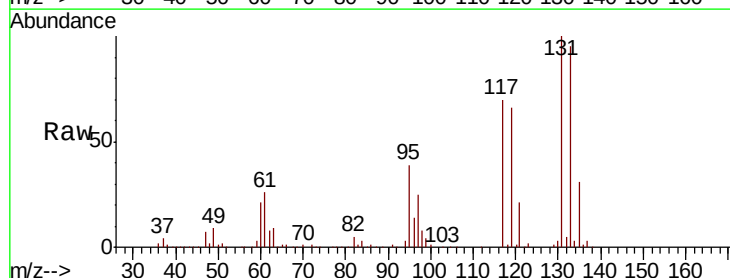
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

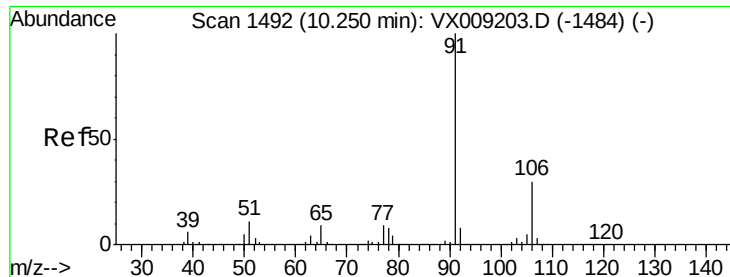
Tot Ion:112 Resp: 271330
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 53.657 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion:131 Resp: 99030
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 66.8 33.5 100.4





#67

Ethyl Benzene

Concen: 54.646 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

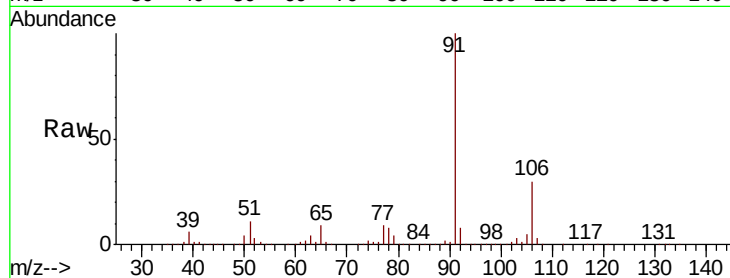
VSTDCCC050

Tot Ion: 91 Resp: 511976

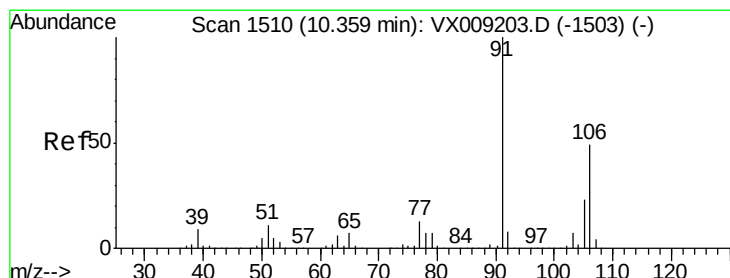
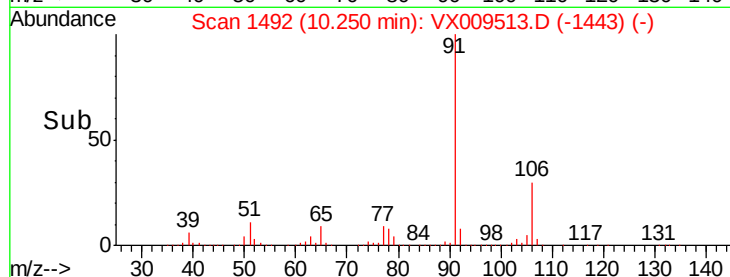
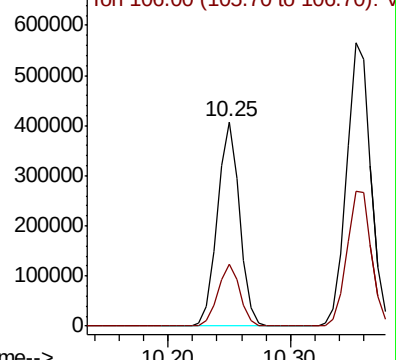
Ion Ratio Lower Upper

91 100

106 30.1 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1484) (-)



#68

m/p-Xylenes

Concen: 109.663 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009513.D

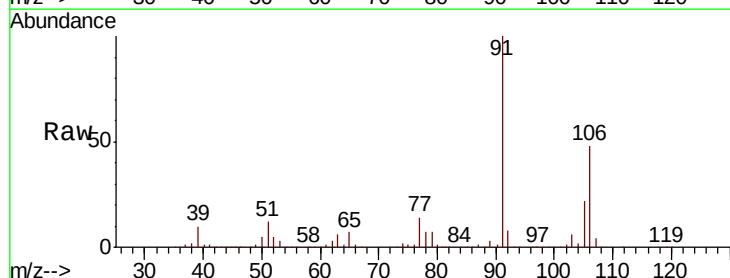
Acq: 11 May 2019 10:14

Tgt Ion: 106 Resp: 375454

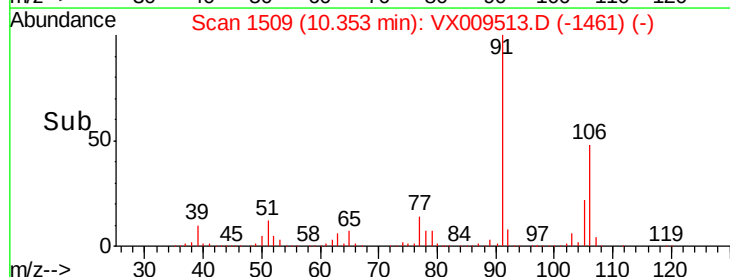
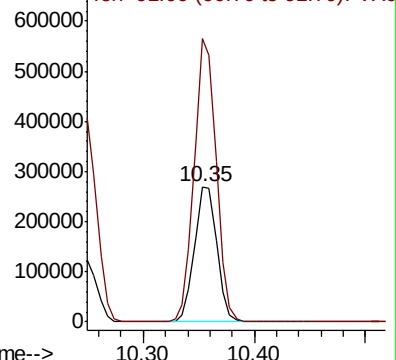
Ion Ratio Lower Upper

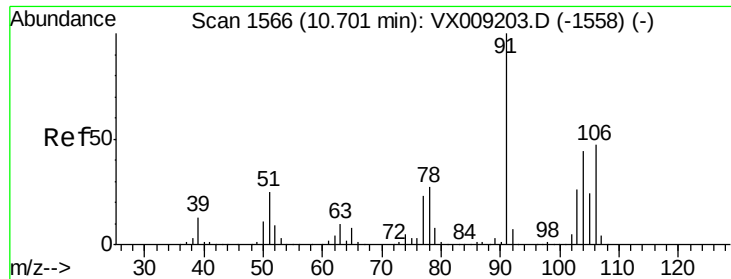
106 100

91 206.6 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009203.D (-1503) (-)

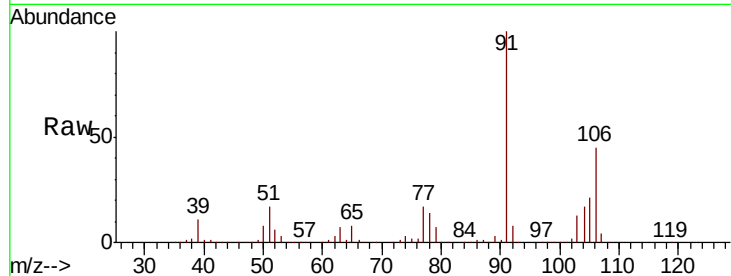




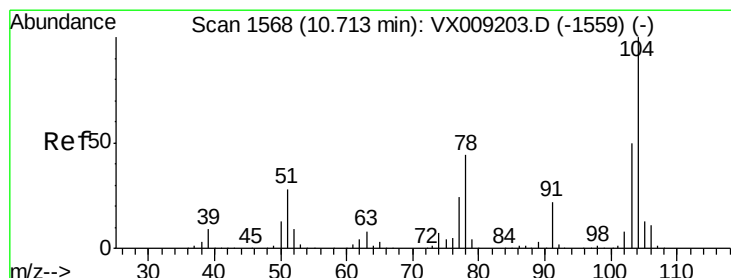
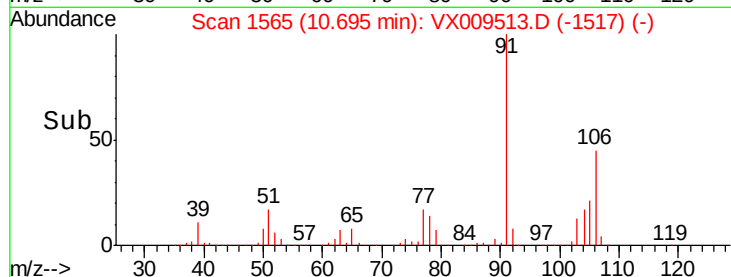
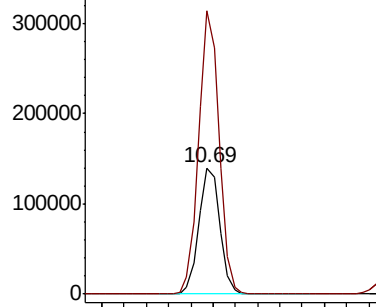
#69
o-Xylene
Concen: 54.178 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 183013
Ion Ratio Lower Upper
106 100
91 217.4 109.5 328.4

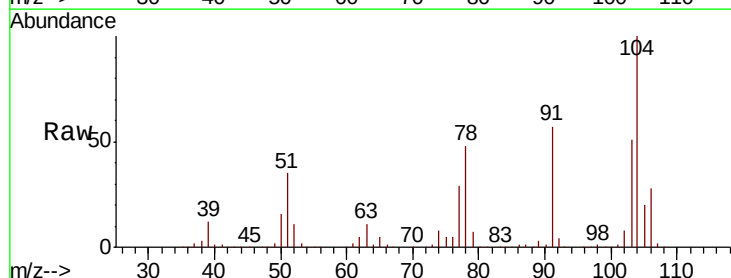


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

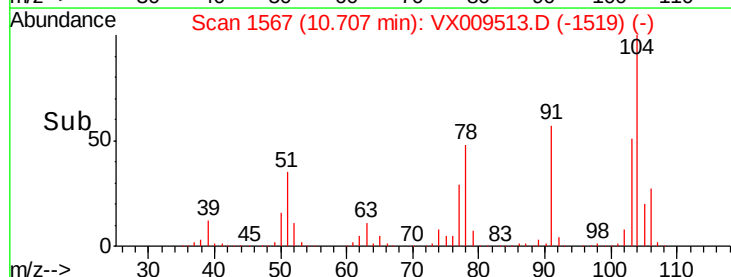
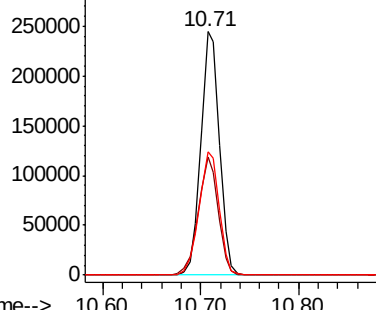


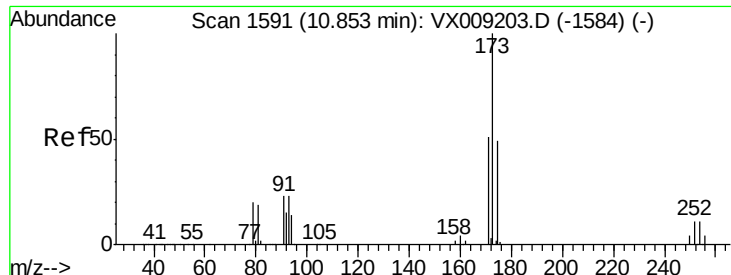
#70
Styrene
Concen: 54.965 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion:104 Resp: 322710
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.4
103 55.1 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: 55.089 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

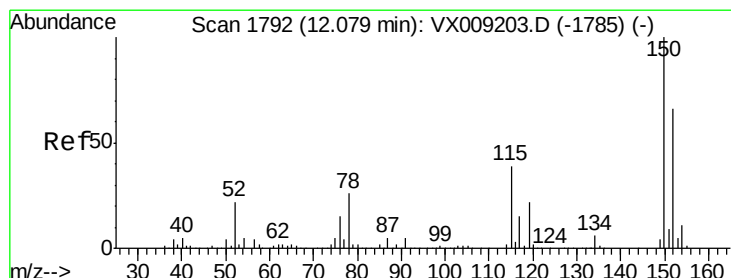
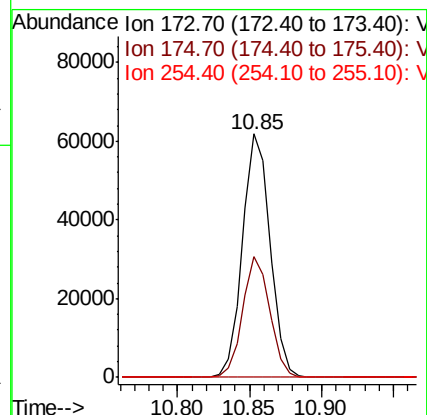
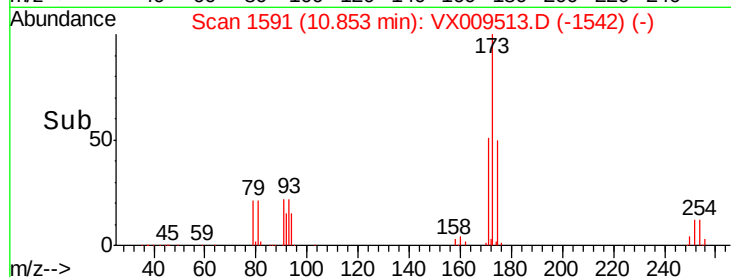
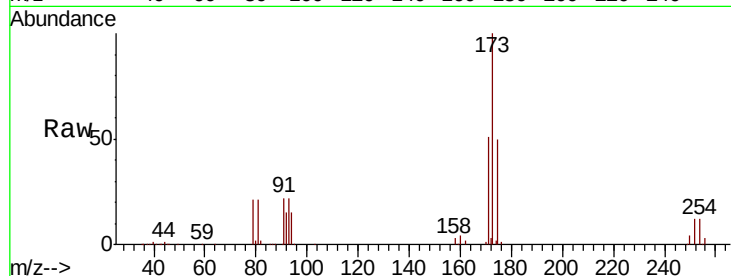
Tot Ion:173 Resp: 82624

Ion Ratio Lower Upper

173 100

175 48.6 24.5 73.5

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

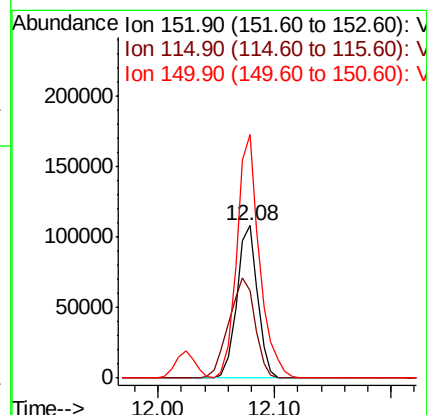
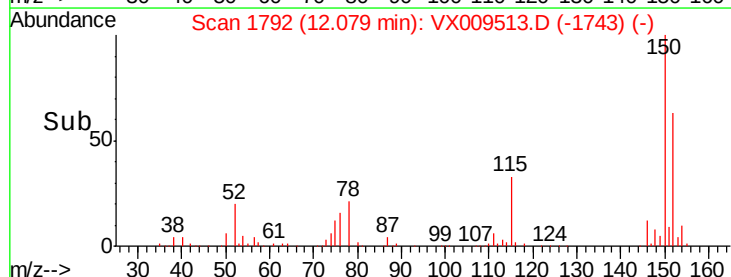
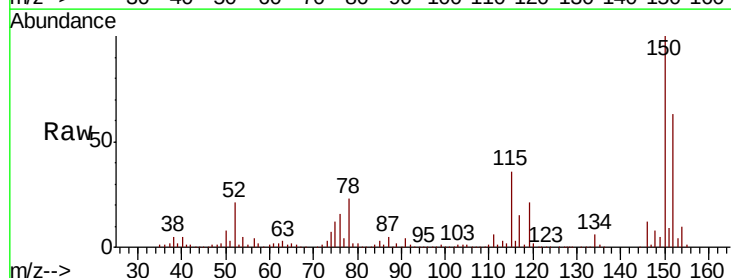
Tgt Ion:152 Resp: 133699

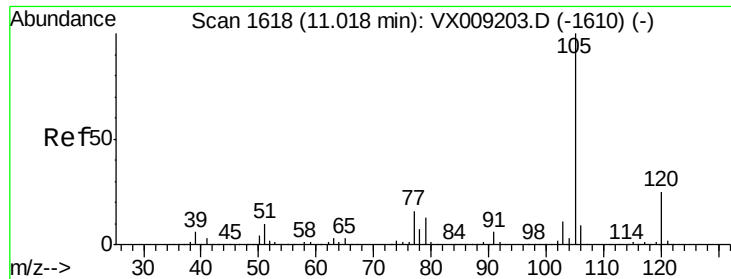
Ion Ratio Lower Upper

152 100

115 82.6 41.2 123.6

150 173.6 0.0 346.4





#73

Isopropylbenzene

Concen: 50.654 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

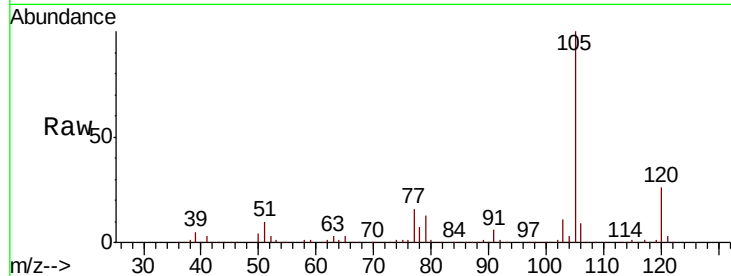
VSTDCCC050

Tot Ion:105 Resp: 492478

Ion Ratio Lower Upper

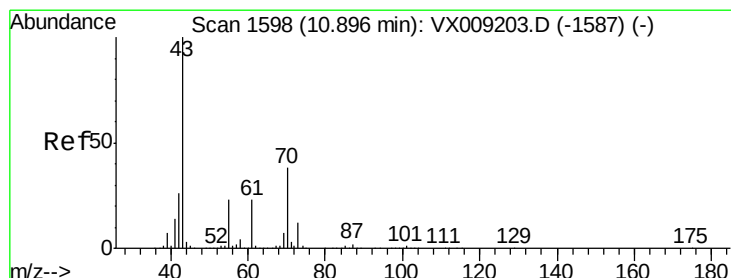
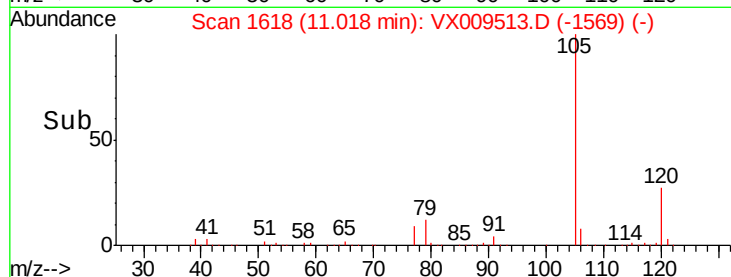
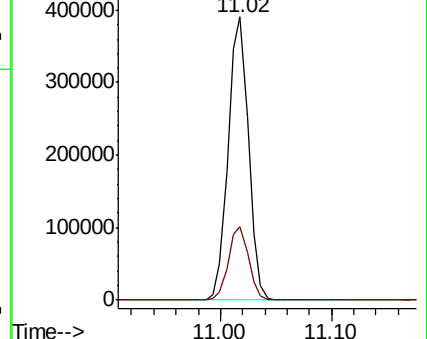
105 100

120 25.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.027 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Tgt Ion: 43 Resp: 289237

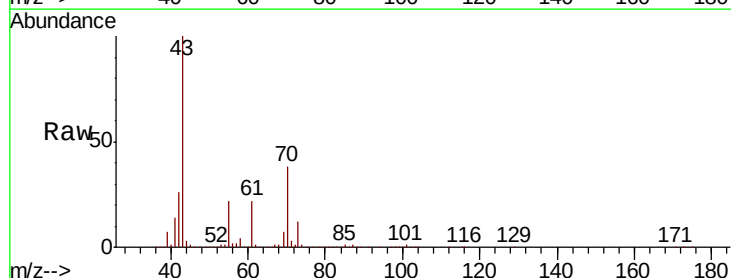
Ion Ratio Lower Upper

43 100

70 37.4 30.0 45.0

55 22.2 17.9 26.9

61 22.6 18.4 27.6

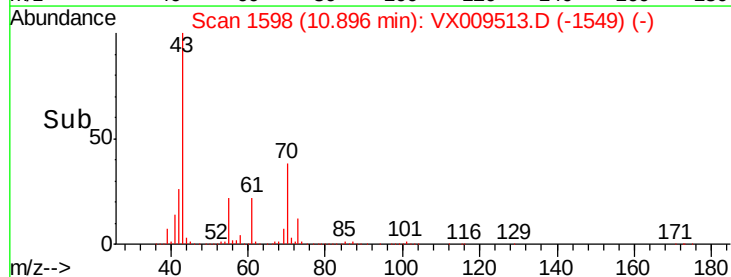
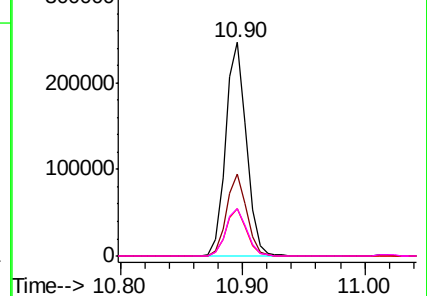


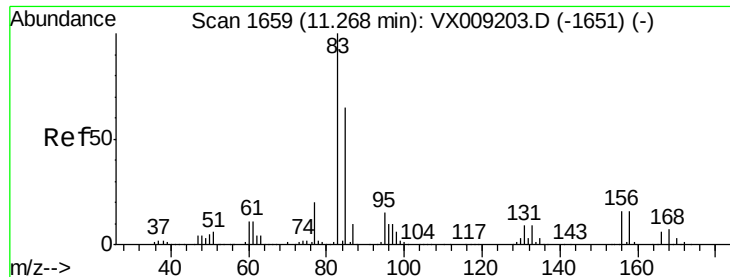
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.309 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

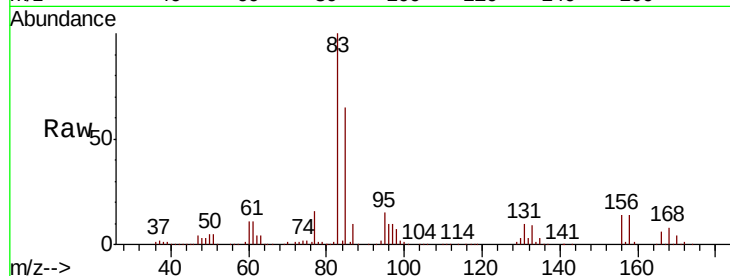
Tot Ion: 83 Resp: 175090

Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

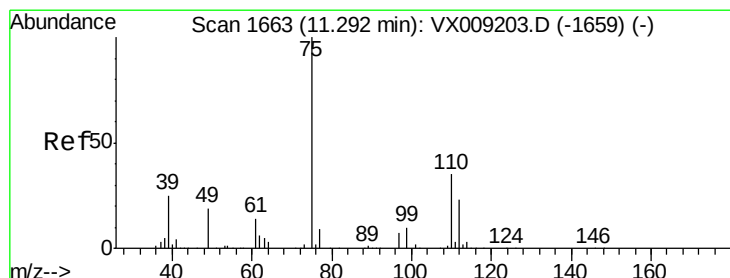
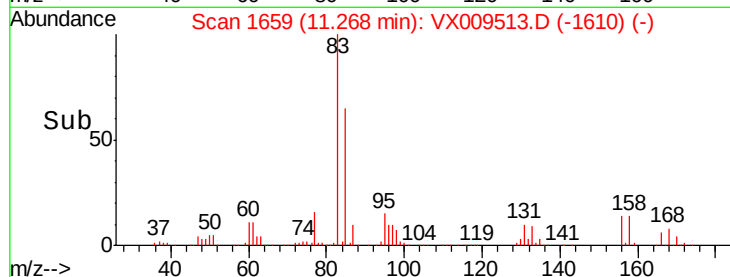
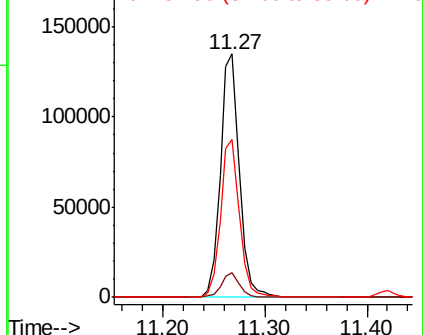
85 64.7 32.0 96.2



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: 68.310 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009513.D

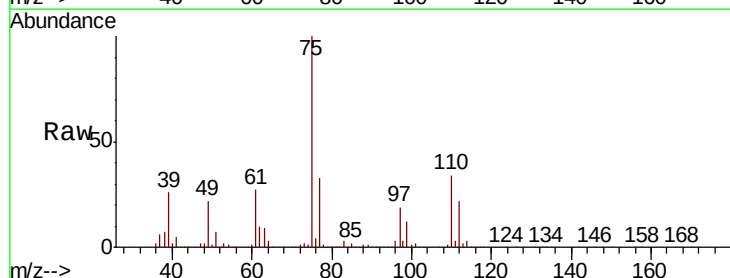
Acq: 11 May 2019 10:14

Tgt Ion: 75 Resp: 211851

Ion Ratio Lower Upper

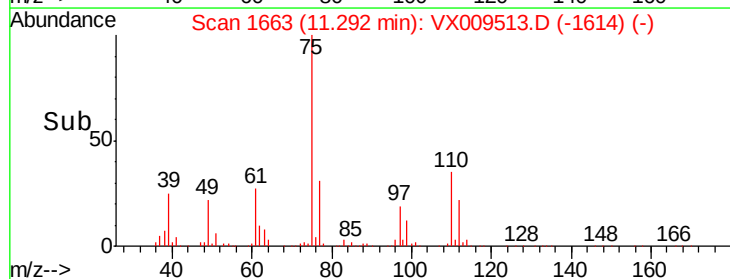
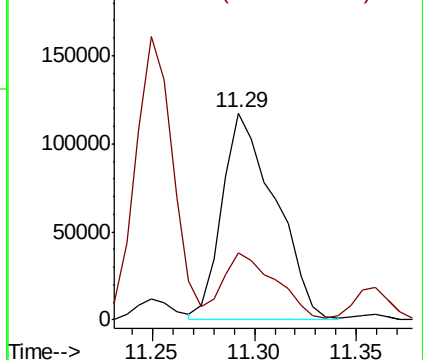
75 100

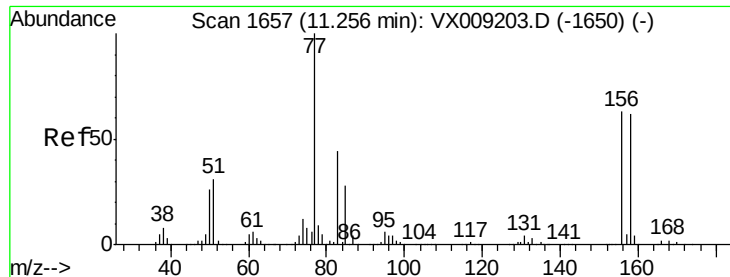
77 32.2 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.504 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

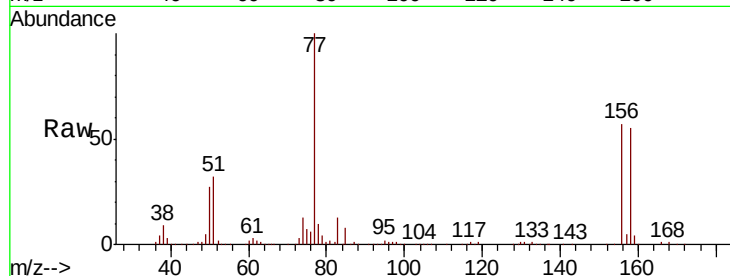
Tot Ion:156 Resp: 121873

Ion Ratio Lower Upper

156 100

77 167.3 84.8 254.3

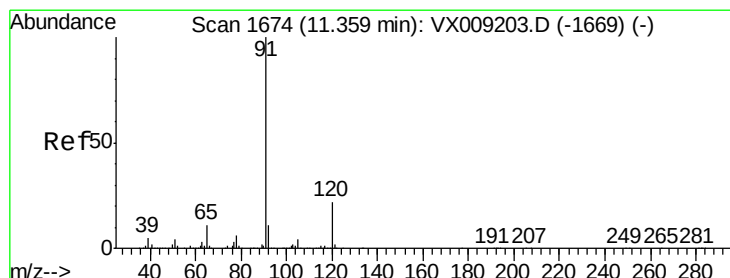
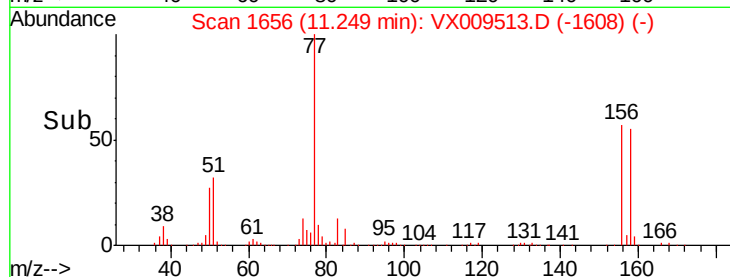
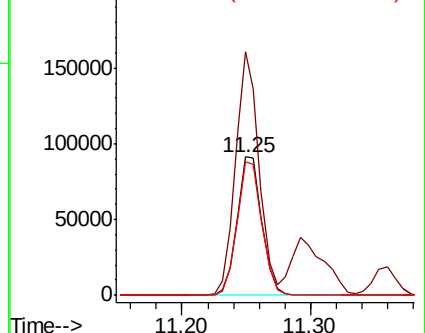
158 96.5 49.1 147.3



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: 52.383 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009513.D

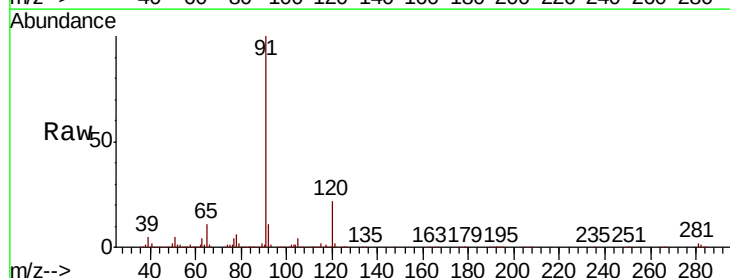
Acq: 11 May 2019 10:14

Tgt Ion: 91 Resp: 581632

Ion Ratio Lower Upper

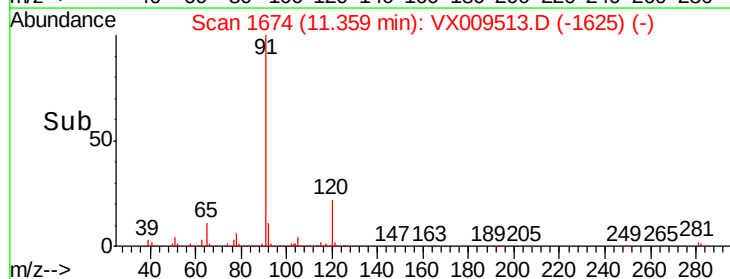
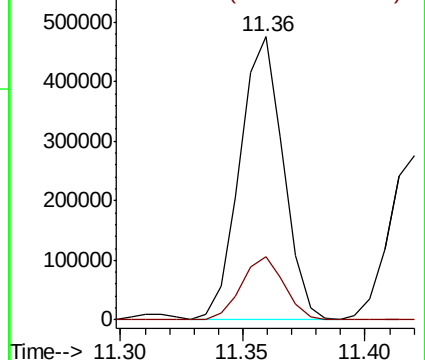
91 100

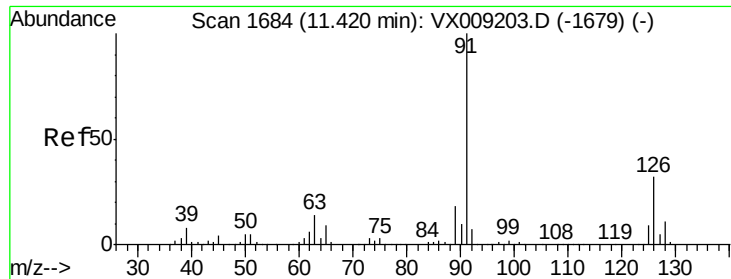
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

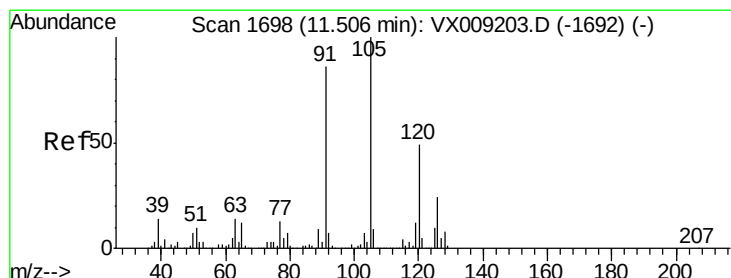
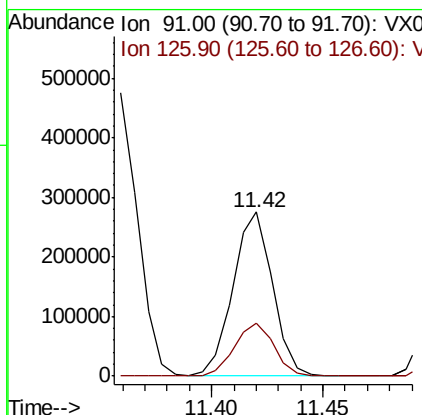
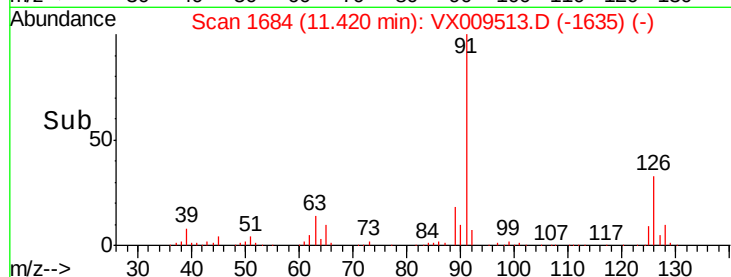
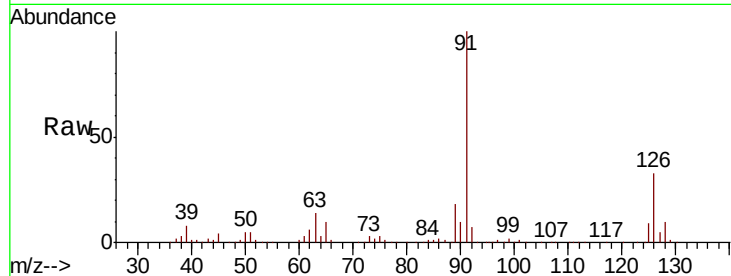




#79
 2-Chlorotoluene
 Concen: 49.507 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

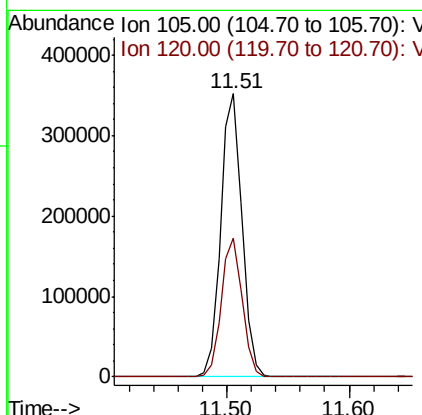
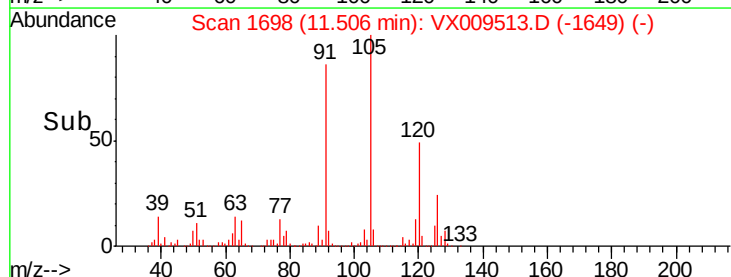
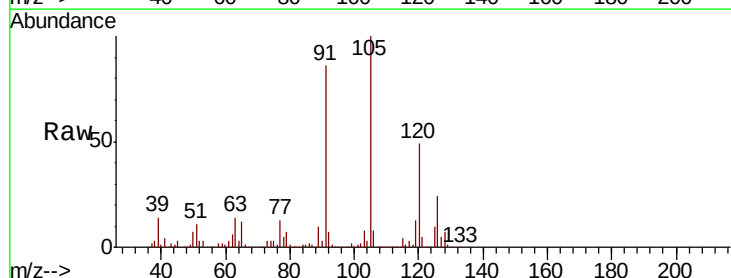
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

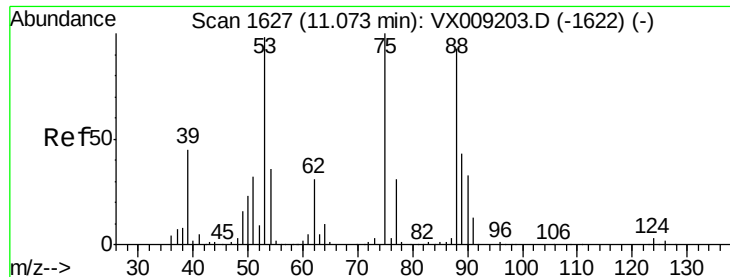
Tot Ion: 91 Resp: 339141
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 51.676 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion: 105 Resp: 423037
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.9

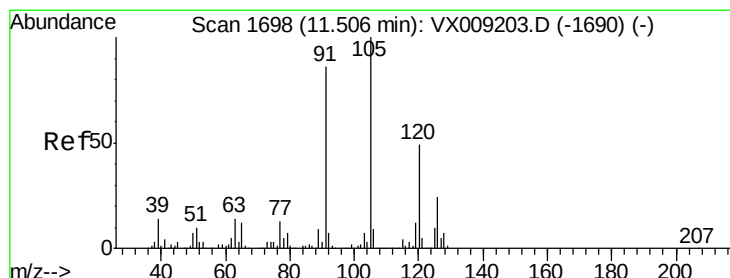
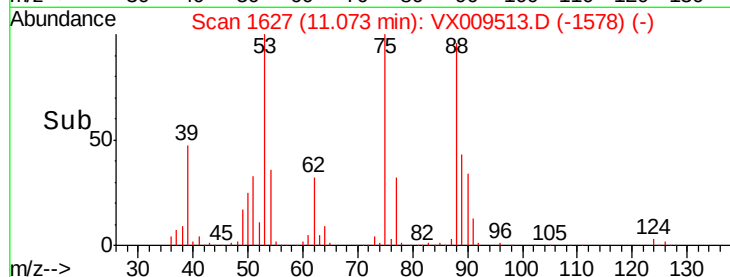
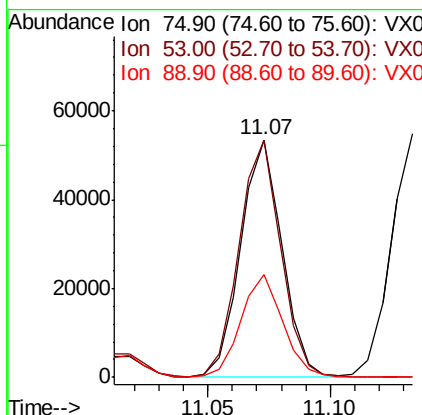
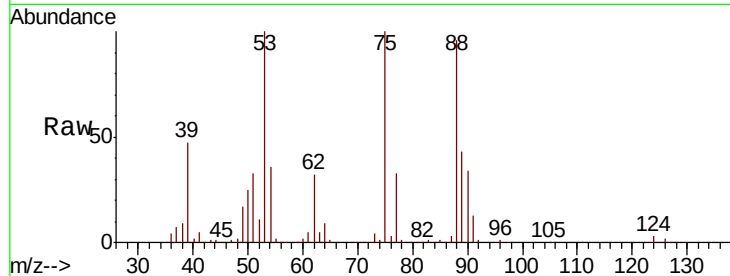




#81
trans-1,4-Dichloro-2-butene
Concen: 51.506 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

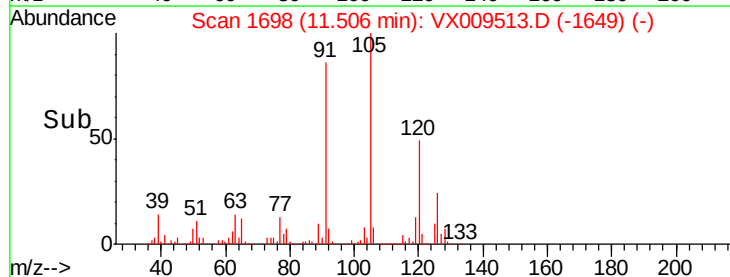
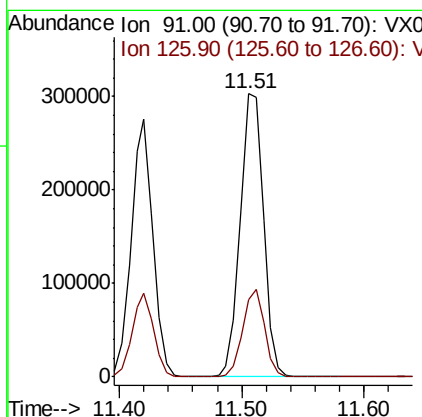
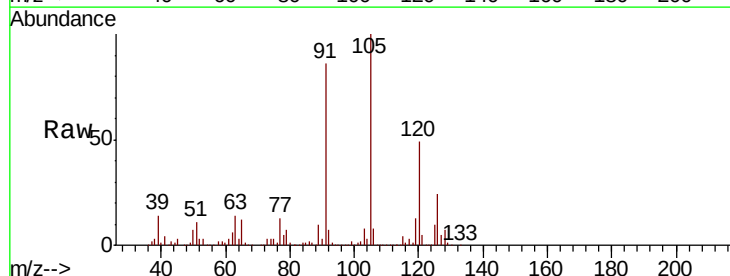
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

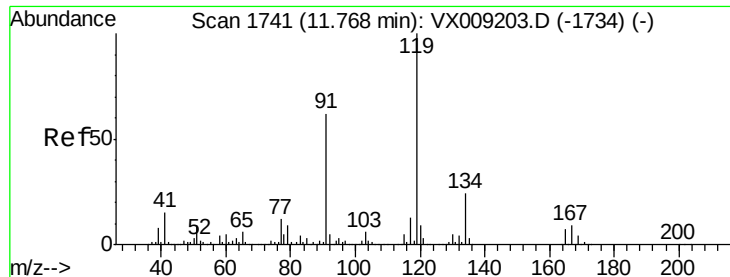
Tot Ion: 75 Resp: 62431
Ion Ratio Lower Upper
75 100
53 101.0 79.0 118.6
89 44.0 34.7 52.1



#82
4-Chlorotoluene
Concen: 51.428 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion: 91 Resp: 397994
Ion Ratio Lower Upper
91 100
126 28.9 14.5 43.6





#83

tert-Butylbenzene

Concen: 51.139 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

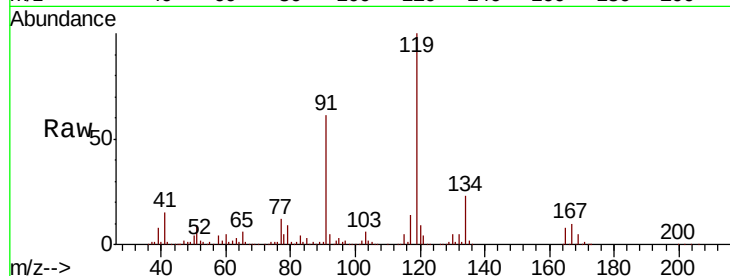
Tot Ion:119 Resp: 407254

Ion Ratio Lower Upper

119 100

91 58.7 29.5 88.5

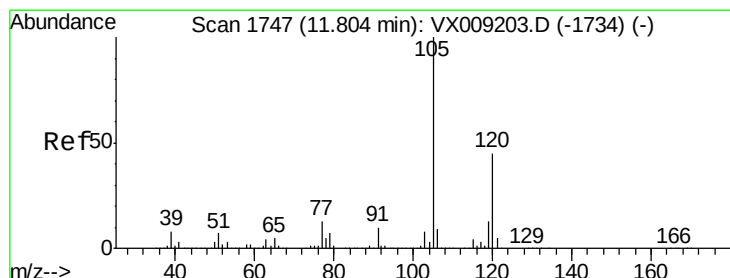
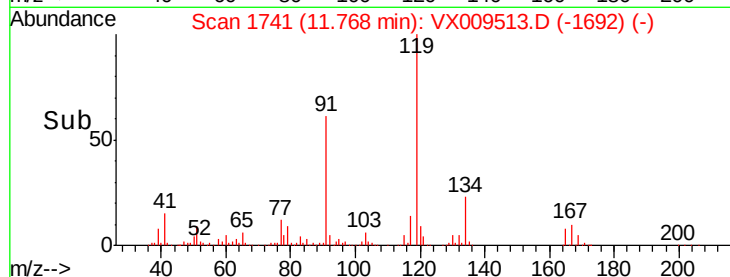
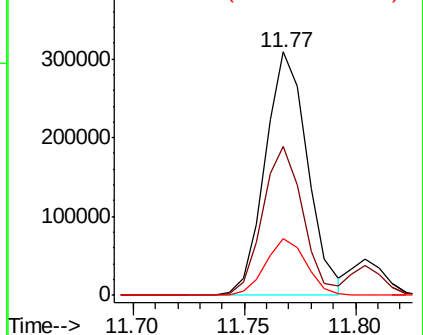
134 22.2 11.4 34.1



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: 52.140 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009513.D

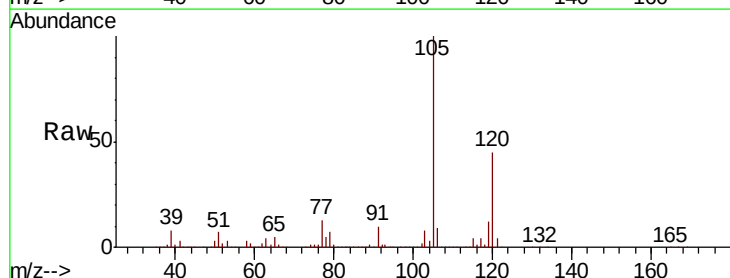
Acq: 11 May 2019 10:14

Tgt Ion:105 Resp: 428436

Ion Ratio Lower Upper

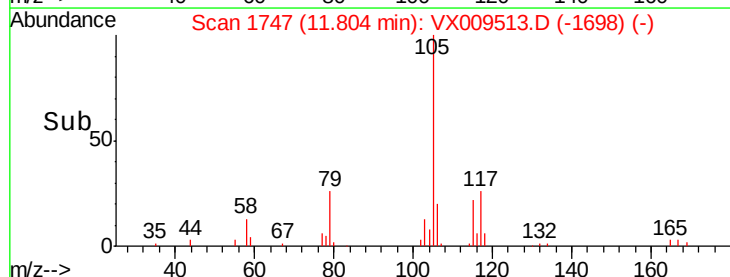
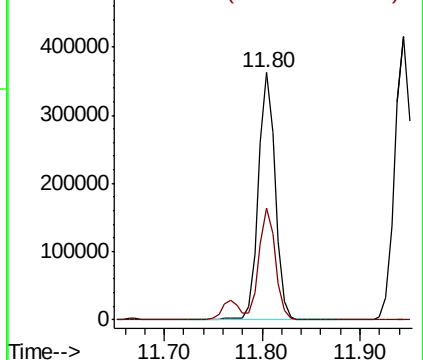
105 100

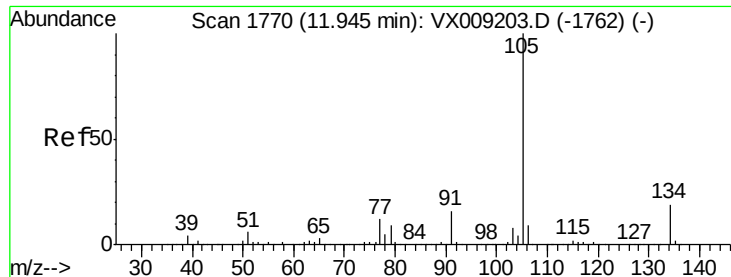
120 44.6 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.093 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

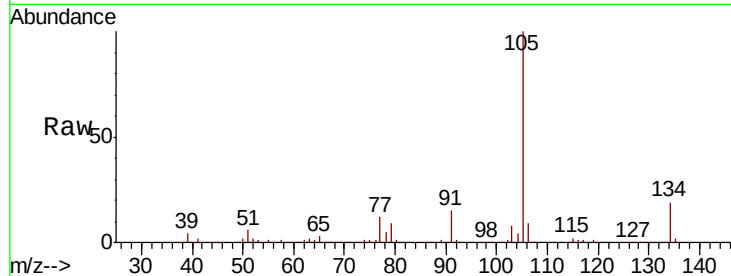
VSTDCCC050

Tot Ion:105 Resp: 491838

Ion Ratio Lower Upper

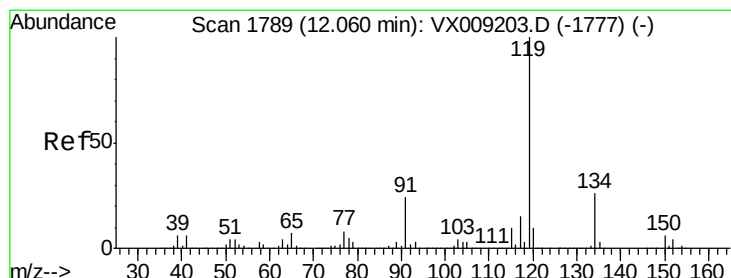
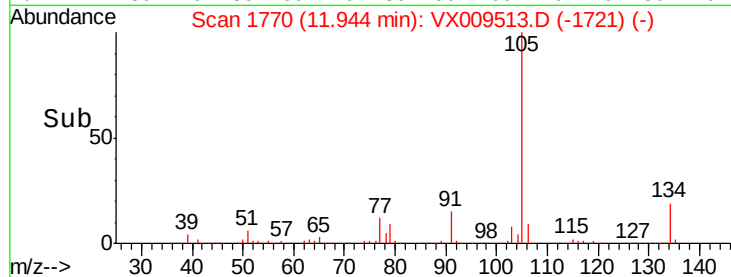
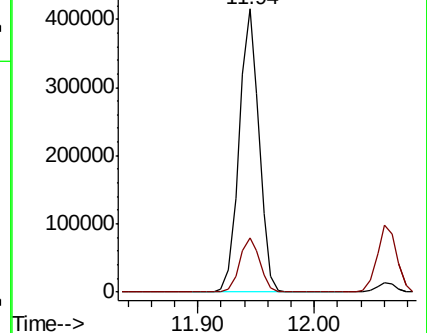
105 100

134 19.6 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.373 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

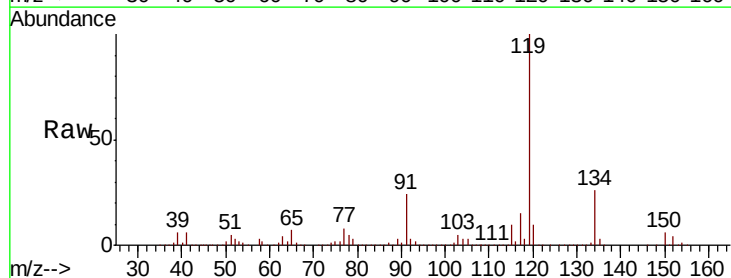
Tgt Ion:119 Resp: 453020

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

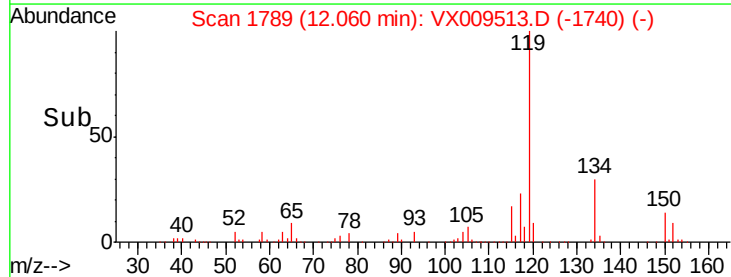
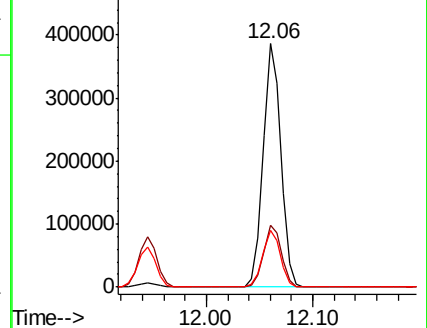
91 23.6 11.8 35.4

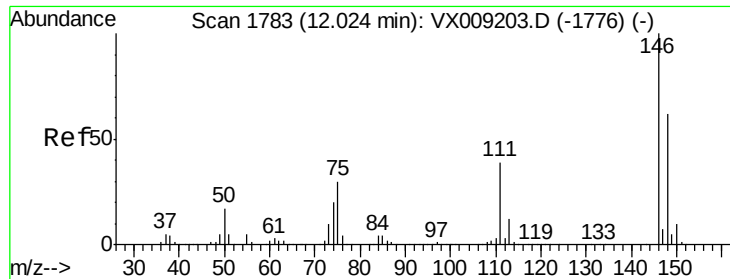


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 52.147 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

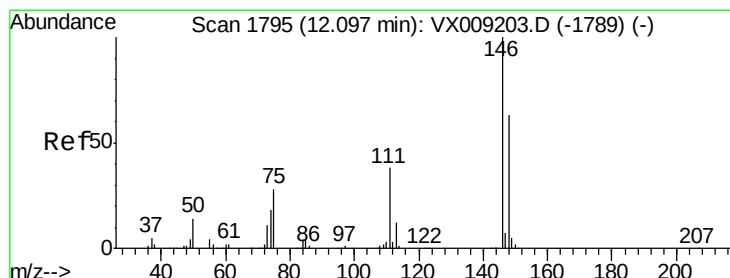
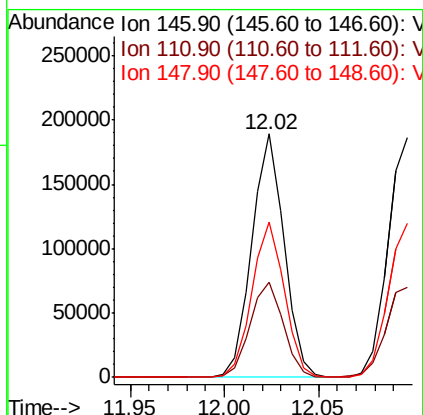
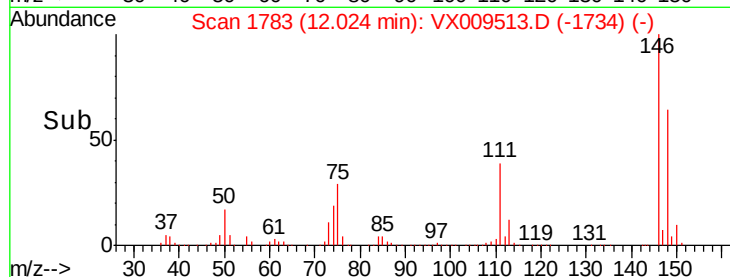
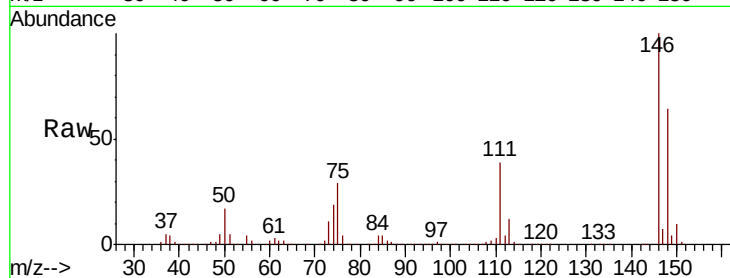
Tot Ion:146 Resp: 224329

Ion Ratio Lower Upper

146 100

111 40.1 20.0 59.9

148 64.2 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 52.049 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

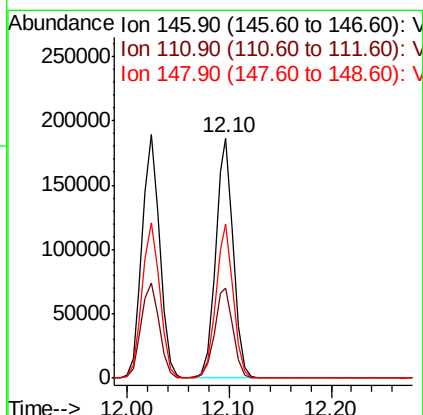
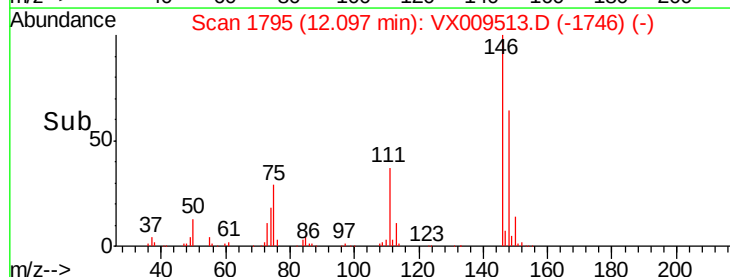
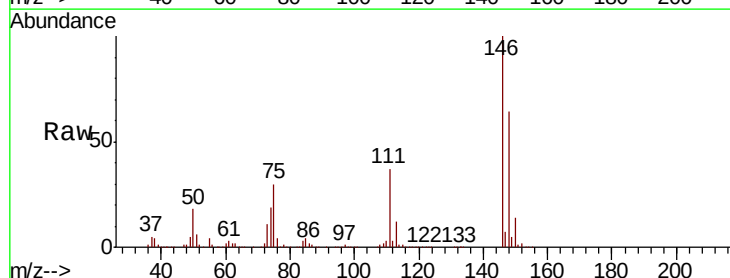
Tgt Ion:146 Resp: 225740

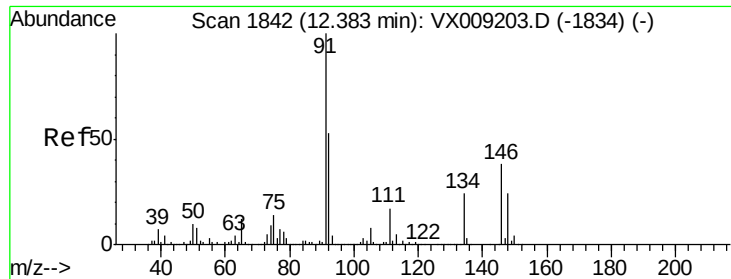
Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.8

148 63.4 31.8 95.3

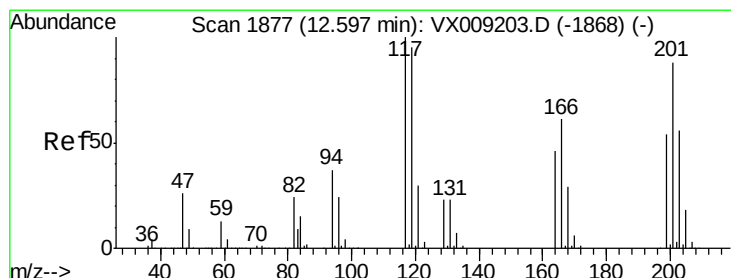
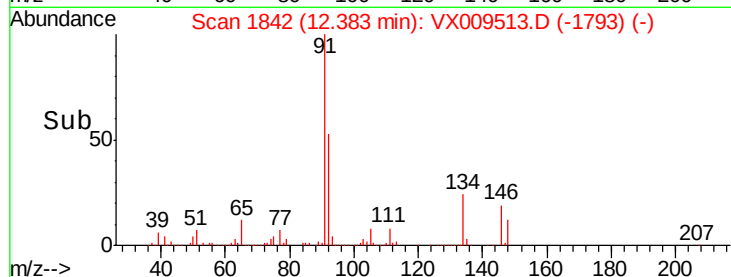
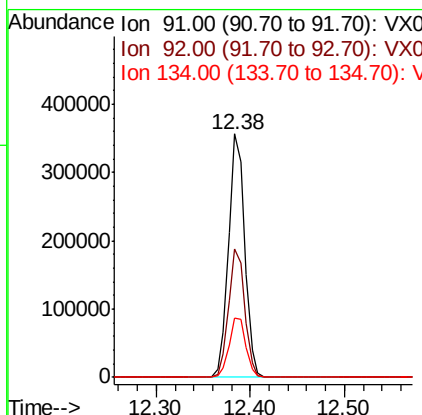
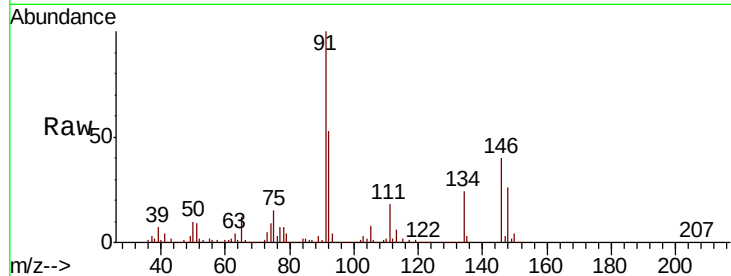




#89
n-Butylbenzene
Concen: 55.338 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

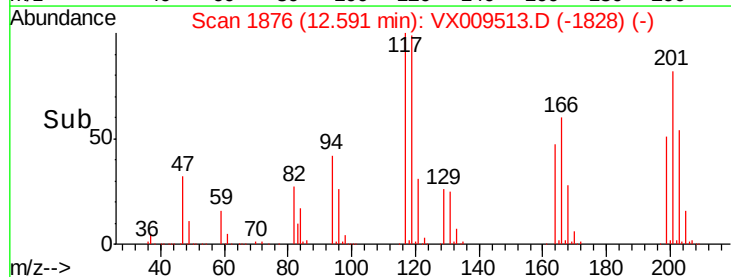
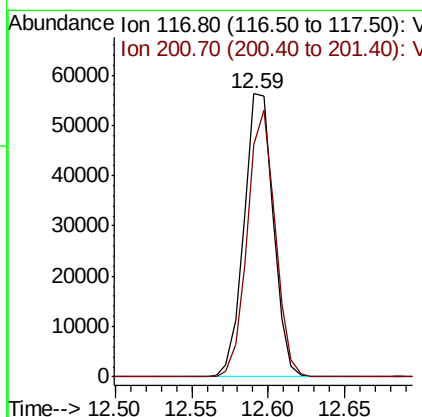
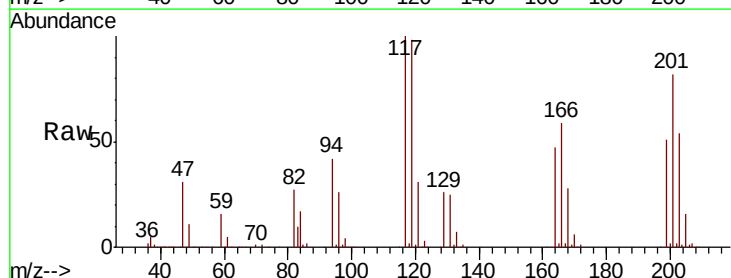
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

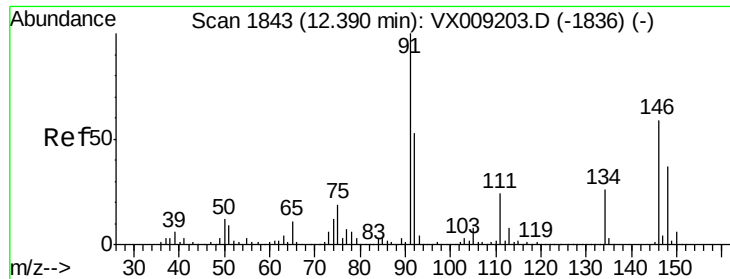
Tot Ion: 91 Resp: 424530
Ion Ratio Lower Upper
91 100
92 52.9 26.5 79.5
134 25.1 12.4 37.2



#90
Hexachloroethane
Concen: 51.855 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion: 117 Resp: 74985
Ion Ratio Lower Upper
117 100
201 89.2 42.3 126.9

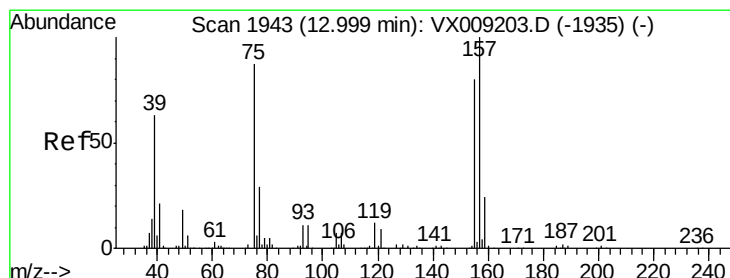
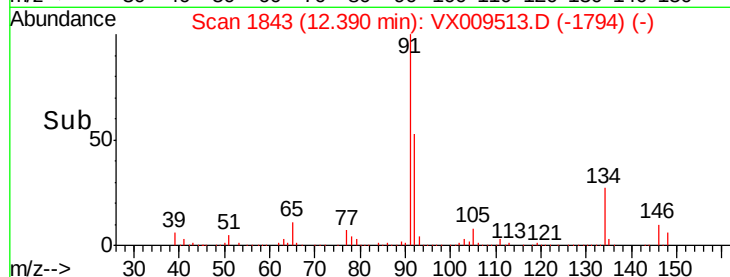
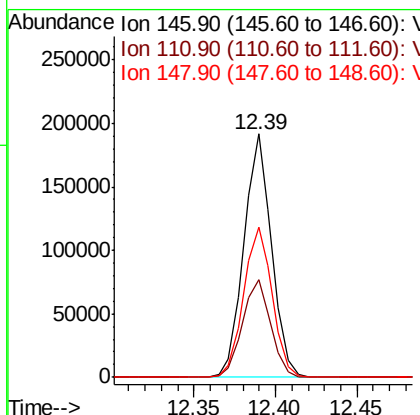
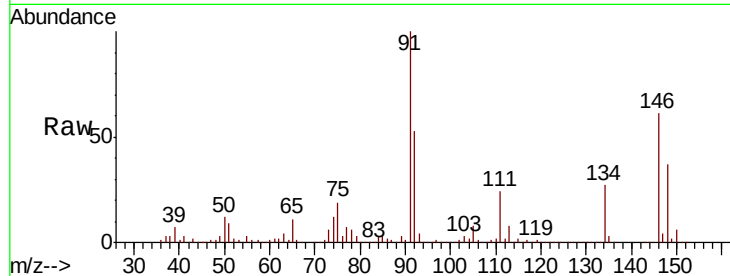




#91
 1,2-Dichlorobenzene
 Concen: 51.580 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

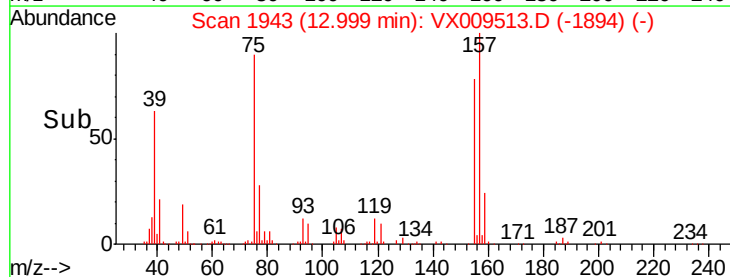
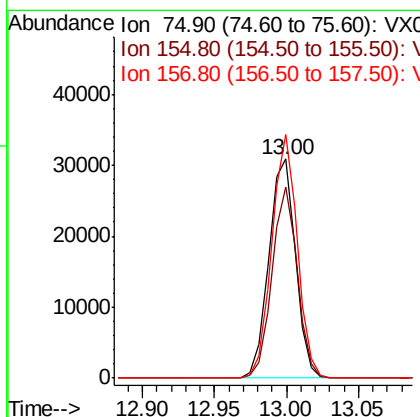
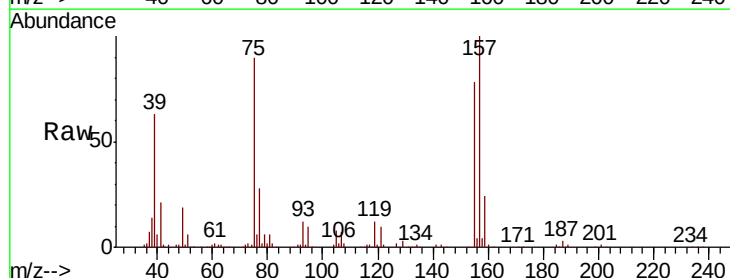
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

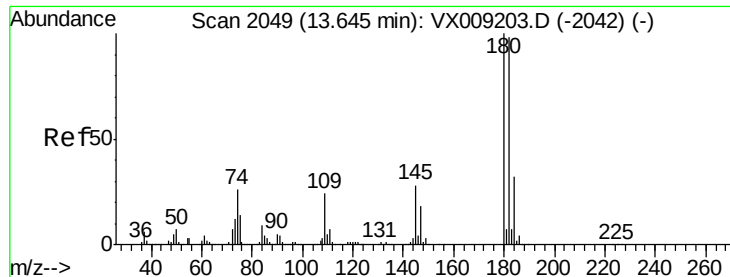
Tot Ion:146 Resp: 226004
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.8 62.4
 148 63.6 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.645 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion: 75 Resp: 39551
 Ion Ratio Lower Upper
 75 100
 155 82.9 42.0 126.0
 157 106.7 53.2 159.6

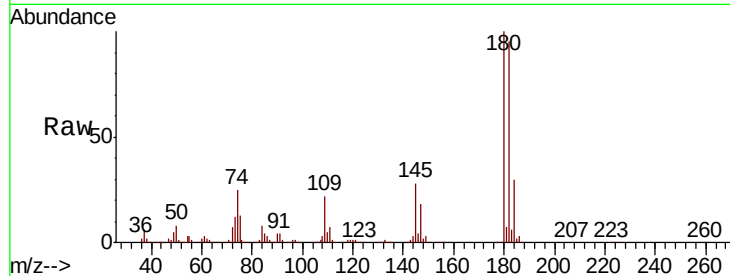




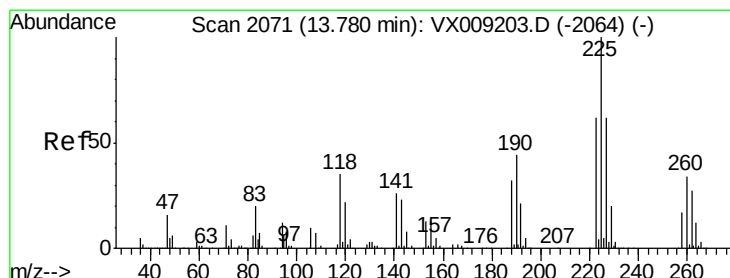
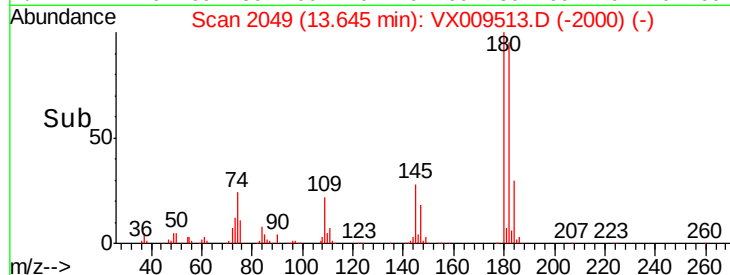
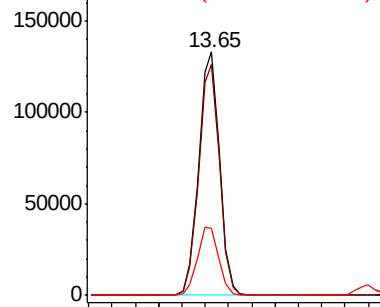
#93
 1,2,4-Trichlorobenzene
 Concen: 54.506 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 163317
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.4 145.2
 145 28.9 14.6 43.8

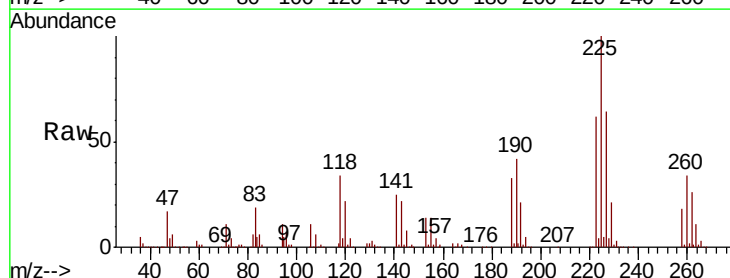


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

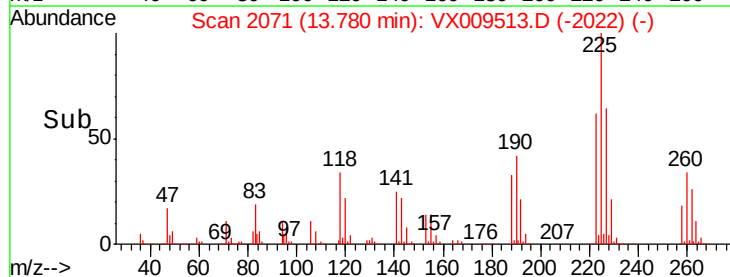
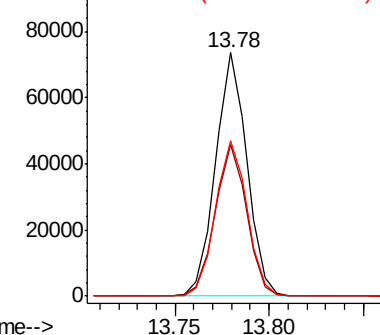


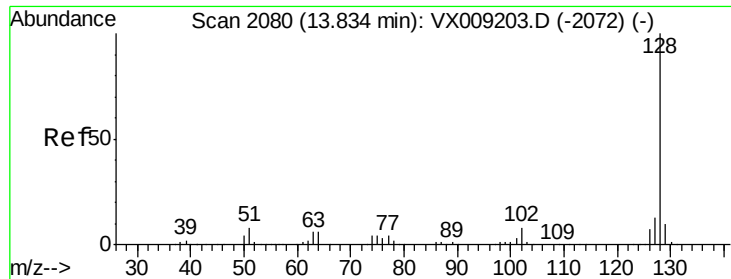
#94
 Hexachlorobutadiene
 Concen: 55.415 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion:225 Resp: 84791
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.3 93.8
 227 64.5 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

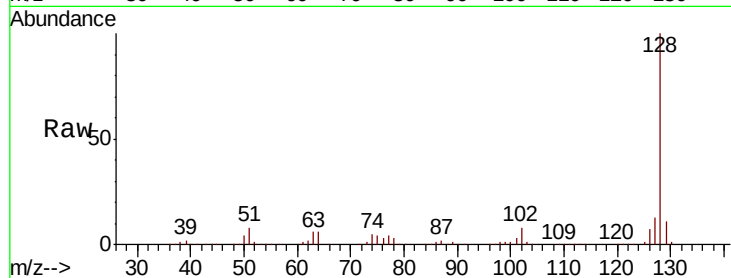




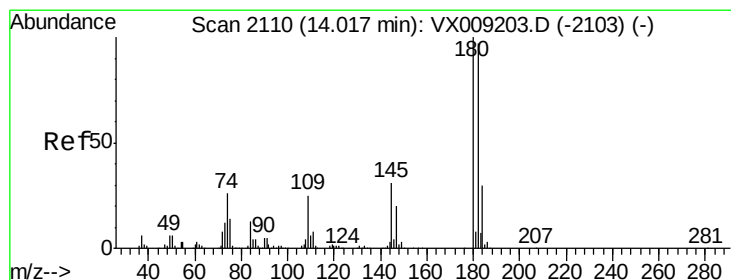
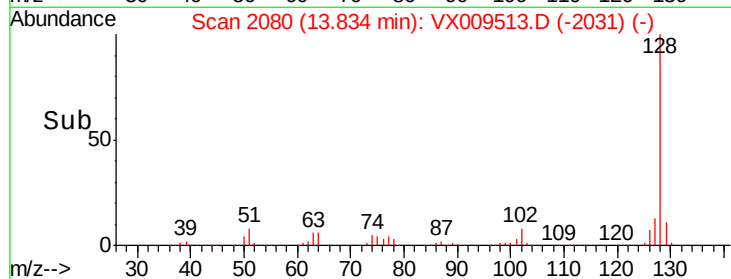
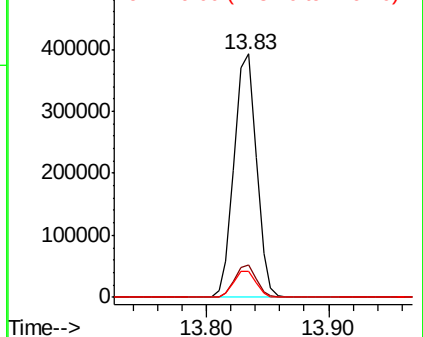
#95
Naphthalene
Concen: 50.825 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 495455
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.9 8.6 13.0

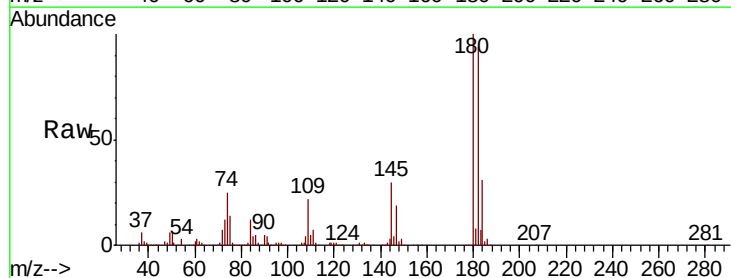


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.201 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion:180 Resp: 161585
Ion Ratio Lower Upper
180 100
182 94.7 47.8 143.4
145 30.4 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

