

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009551.D
 Acq On : 13 May 2019 18:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 14 03:46:12 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	159515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	254769	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	232434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108853	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	5.50	113	81586	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	8.71	98	326340	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.13	95	120768	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	65227	44.374	ug/l	98
3) Chloromethane	1.32	50	99914	49.786	ug/l	100
4) Vinyl Chloride	1.41	62	96054	49.084	ug/l	98
5) Bromomethane	1.64	94	58688	49.965	ug/l	94
6) Chloroethane	1.71	64	63272	50.358	ug/l	100
7) Trichlorofluoromethane	1.93	101	121832	51.216	ug/l	95
8) Diethyl Ether	2.19	74	56251	49.922	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	75825	50.760	ug/l	99
10) Methyl Iodide	2.51	142	92945	53.225	ug/l	99
11) Tert butyl alcohol	3.05	59	118117	234.334	ug/l	99
12) 1,1-Dichloroethene	2.37	96	75665	50.554	ug/l	95
13) Acrolein	2.29	56	112189	245.766	ug/l	99
14) Allyl chloride	2.73	41	179785	49.290	ug/l	99
15) Acrylonitrile	3.14	53	304379	246.971	ug/l	100
16) Acetone	2.45	43	283796	242.712	ug/l	98
17) Carbon Disulfide	2.57	76	212747	50.628	ug/l	99
18) Methyl Acetate	2.78	43	130784	47.032	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	293675	50.528	ug/l	99
20) Methylene Chloride	2.85	84	92099	48.647	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	82657	50.923	ug/l	98
22) Diisopropyl ether	3.85	45	354427	50.527	ug/l	96
23) Vinyl Acetate	3.81	43	1583130	263.563	ug/l	100
24) 1,1-Dichloroethane	3.70	63	172370	49.813	ug/l	99
25) 2-Butanone	4.67	43	454490	250.131	ug/l	100
26) 2,2-Dichloropropane	4.59	77	129083	50.116	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	98186	50.678	ug/l	99
28) Bromochloromethane	5.01	49	61298	43.658	ug/l	99
29) Tetrahydrofuran	5.13	42	296217	253.342	ug/l	99
30) Chloroform	5.21	83	159999	51.123	ug/l	100
31) Cyclohexane	5.58	56	164715	51.163	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	131459	50.458	ug/l	99
36) 1,1-Dichloropropene	5.80	75	120872	51.052	ug/l	99
37) Ethyl Acetate	4.83	43	167995	50.927	ug/l	100
38) Carbon Tetrachloride	5.79	117	111197	51.693	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	150808	51.866	ug/l	99
40) Benzene	6.14	78	377457	51.514	ug/l	100
41) Methacrylonitrile	5.04	41	98140	49.978	ug/l	100
42) 1,2-Dichloroethane	6.20	62	135365	51.500	ug/l	99
43) Isopropyl Acetate	6.45	43	271415	51.438	ug/l	100
44) Trichloroethene	7.21	130	90563	51.125	ug/l	99
45) 1,2-Dichloropropane	7.51	63	106337	51.252	ug/l	98
46) Dibromomethane	7.66	93	61356	50.924	ug/l	98
47) Bromodichloromethane	7.90	83	124132	51.649	ug/l	96
48) Methyl methacrylate	7.77	41	136409	52.108	ug/l	99
49) 1,4-Dioxane	7.74	88	49193	926.609	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	894256	259.289	ug/l	100
52) Toluene	8.79	92	230761	51.809	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	142687	52.586	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	158320	52.714	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	92914	51.132	ug/l	98
56) Ethyl methacrylate	9.18	69	170040	52.422	ug/l	99
57) 1,3-Dichloropropane	9.37	76	164750	51.521	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	389900	226.585	ug/l	99
59) 2-Hexanone	9.49	43	694655	256.453	ug/l	100
60) Dibromochloromethane	9.58	129	94549	53.274	ug/l	100
61) 1,2-Dibromoethane	9.67	107	95096	51.844	ug/l	99
64) Tetrachloroethene	9.34	164	81670	51.223	ug/l	99
65) Chlorobenzene	10.13	112	238638	51.323	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	86797	51.490	ug/l	100
67) Ethyl Benzene	10.25	91	443797	51.862	ug/l	99
68) m/p-Xylenes	10.36	106	326962	104.558	ug/l	99
69) o-Xylene	10.69	106	159902	51.826	ug/l	100
70) Styrene	10.71	104	281809	52.551	ug/l	100
71) Bromoform	10.85	173	73250	53.471	ug/l #	97
73) Isopropylbenzene	11.02	105	424232	49.927	ug/l	99
74) N-amyl acetate	10.90	43	249294	50.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	155804	49.187	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	186345	68.751	ug/l	81
77) Bromobenzene	11.26	156	106335	50.420	ug/l	99
78) n-propylbenzene	11.36	91	494170	50.924	ug/l	99
79) 2-Chlorotoluene	11.42	91	290128	48.460	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	361851	50.576	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	54291	51.250	ug/l	100
82) 4-Chlorotoluene	11.51	91	337825	49.948	ug/l	100
83) tert-Butylbenzene	11.77	119	348706	50.102	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	363915	50.675	ug/l	100
85) sec-Butylbenzene	11.94	105	415930	50.407	ug/l	99
86) p-Isopropyltoluene	12.06	119	378688	51.050	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	188802	50.217	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	188079	49.619	ug/l	99
89) n-Butylbenzene	12.38	91	347227	51.789	ug/l	99
90) Hexachloroethane	12.60	117	63955	50.606	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	190409	49.723	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34539	48.607	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

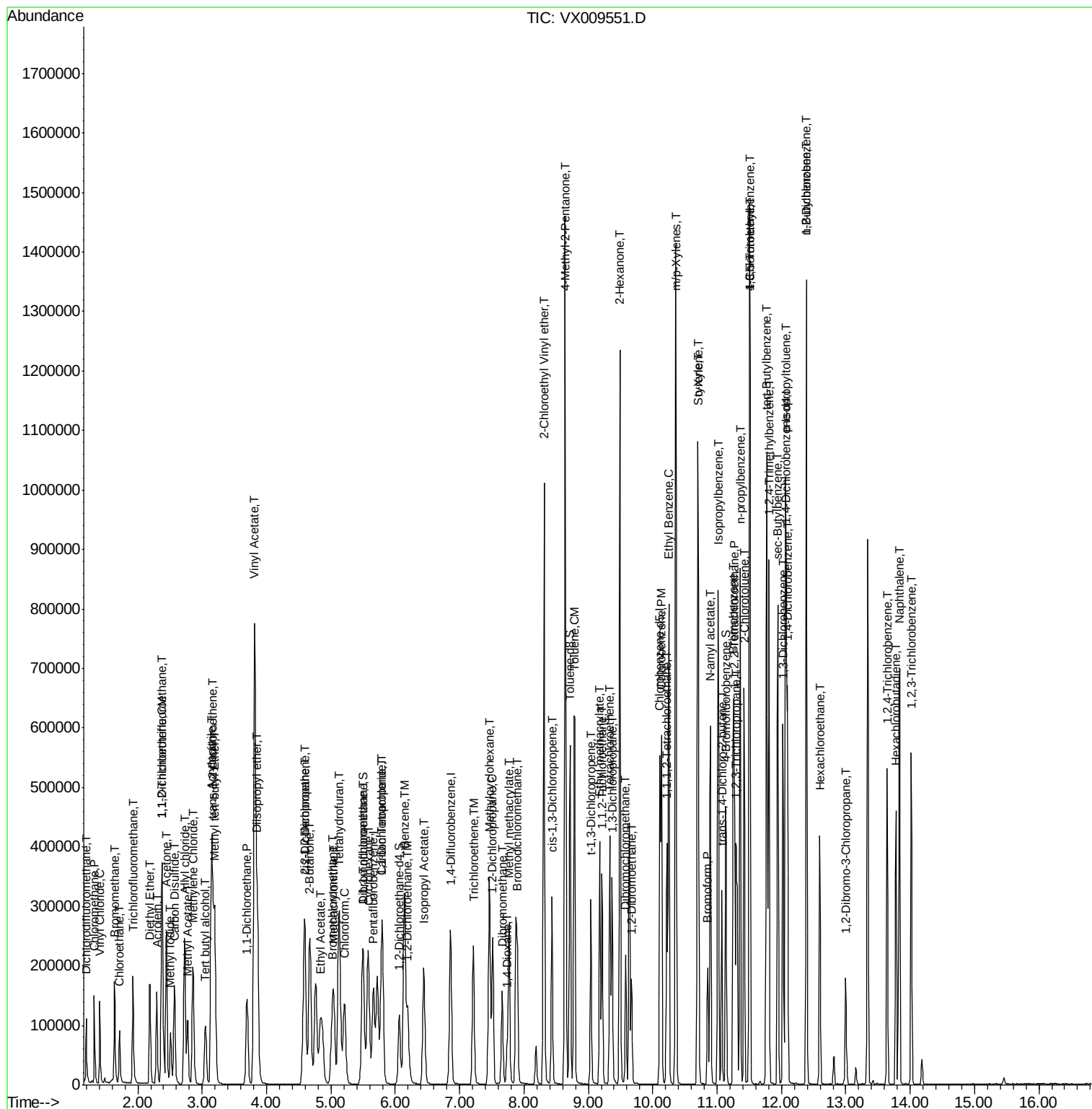
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	134155	51.230	ug/l	99
94) Hexachlorobutadiene	13.78	225	69102	51.675	ug/l	100
95) Naphthalene	13.83	128	426013	50.004	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	133540	50.308	ug/l	100

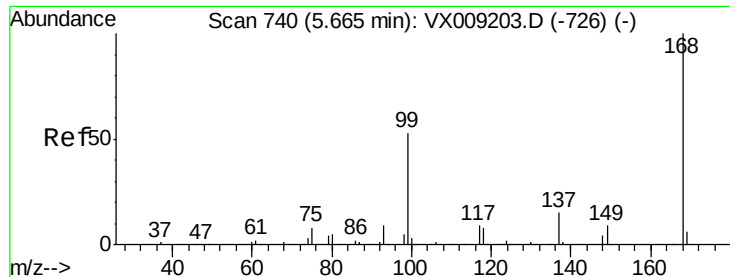
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051319\  
Data File : VX009551.D  
Acq On    : 13 May 2019   18:14  
Operator  : JC/SP  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA X/WATER  
ALS Vial  : 20      Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: May 14 03:46:12 2019
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

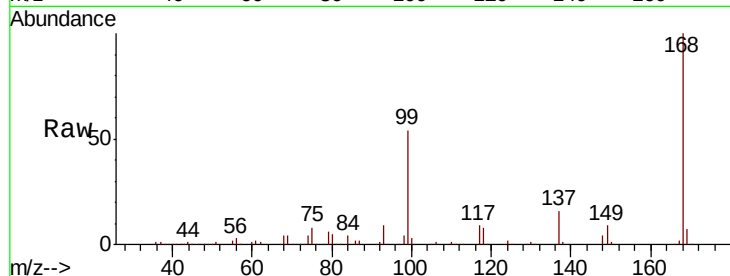
VSTDCCC050EC

Tot Ion:168 Resp: 159515

Ion Ratio Lower Upper

168 100

99 54.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

30000

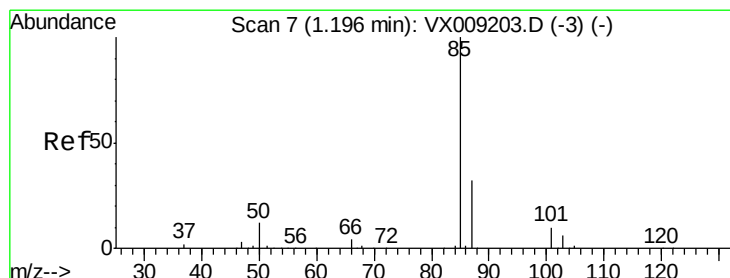
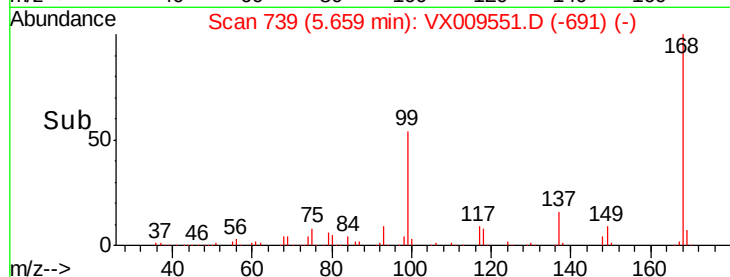
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 44.374 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009551.D

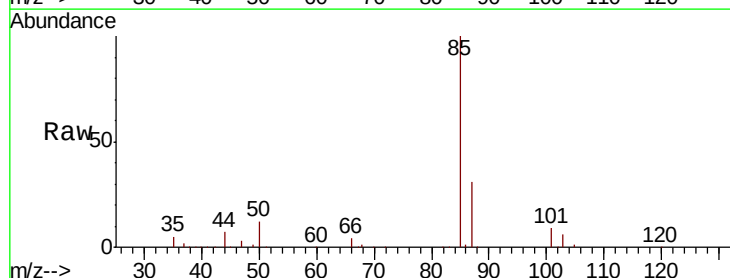
Acq: 13 May 2019 18:14

Tgt Ion: 85 Resp: 65227

Ion Ratio Lower Upper

85 100

87 31.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

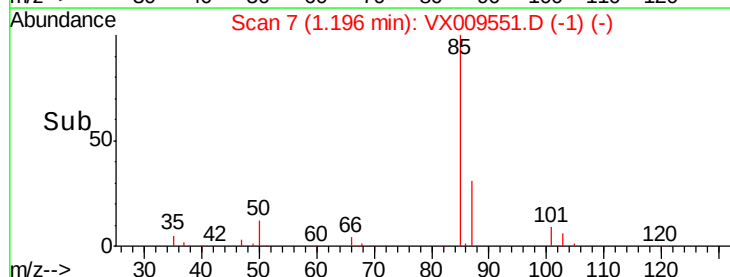
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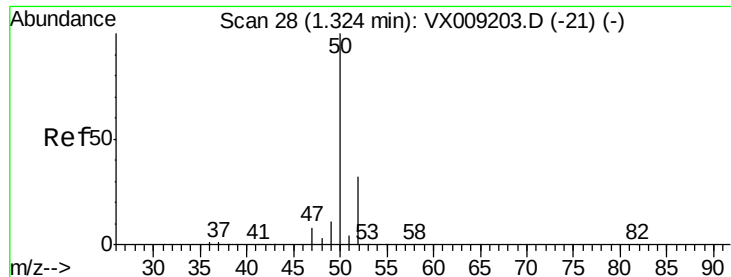
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 49.786 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

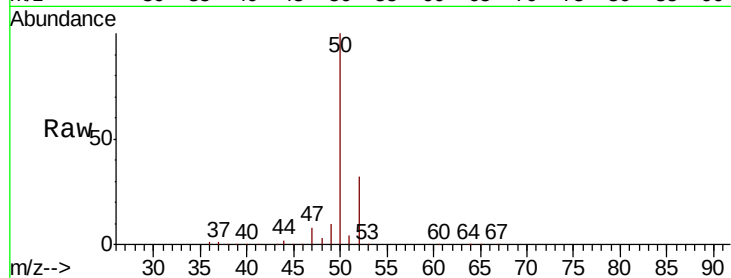
VSTDCCC050EC

Tot Ion: 50 Resp: 99914

Ion Ratio Lower Upper

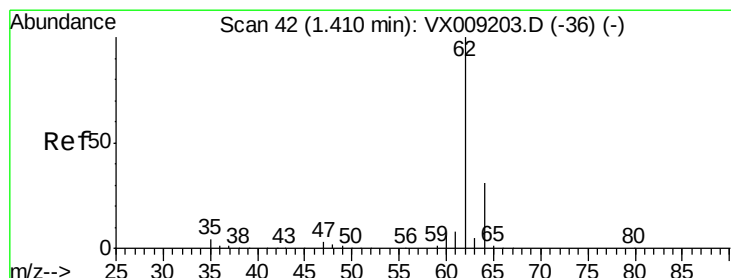
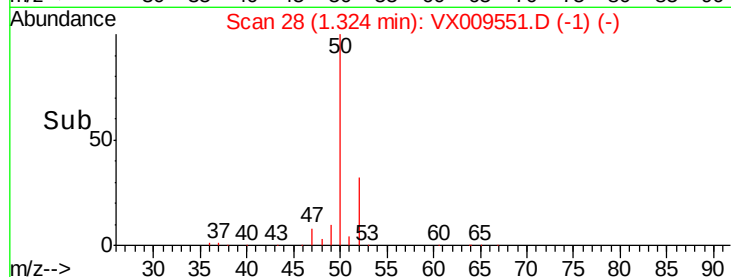
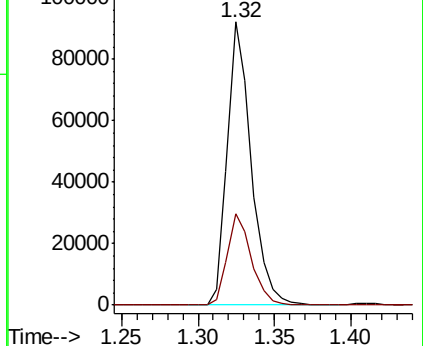
50 100

52 32.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.084 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009551.D

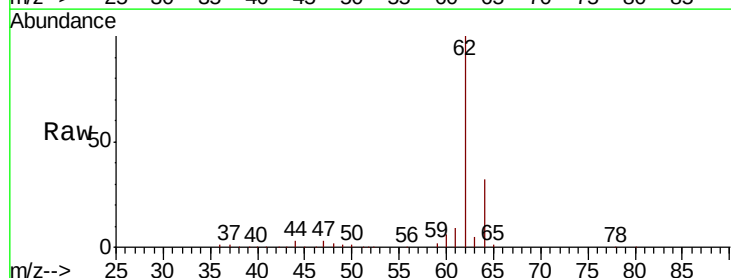
Acq: 13 May 2019 18:14

Tgt Ion: 62 Resp: 96054

Ion Ratio Lower Upper

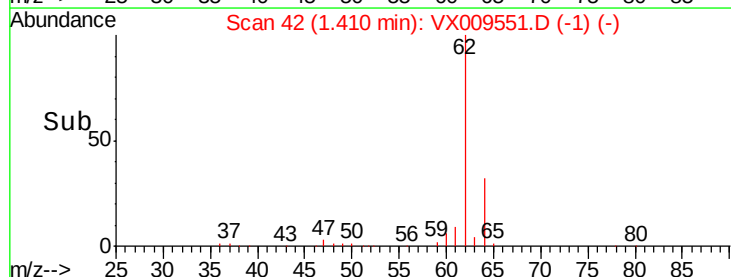
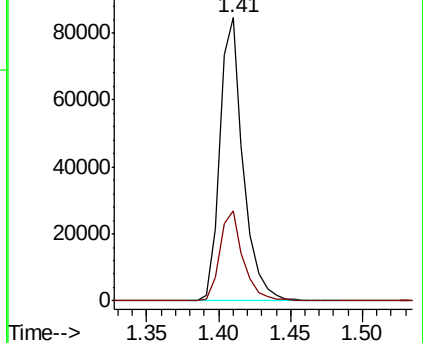
62 100

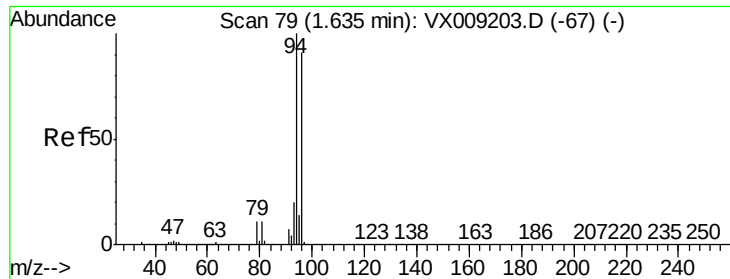
64 31.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.965 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

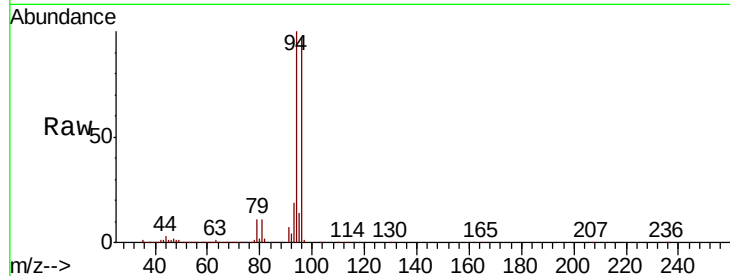
VSTDCCC050EC

Tot Ion: 94 Resp: 58688

Ion Ratio Lower Upper

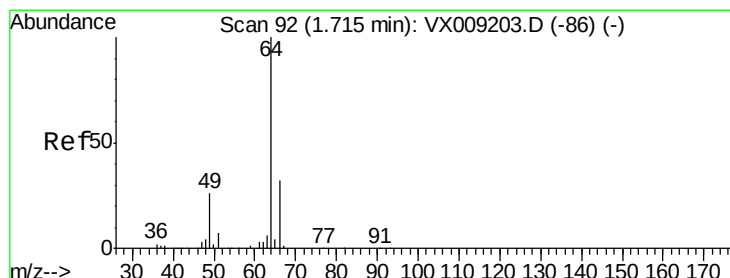
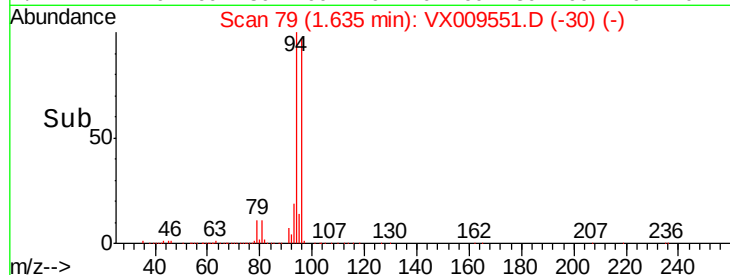
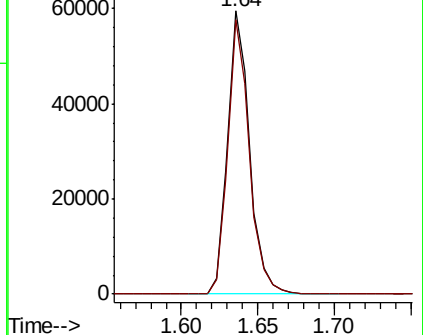
94 100

96 97.0 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.358 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009551.D

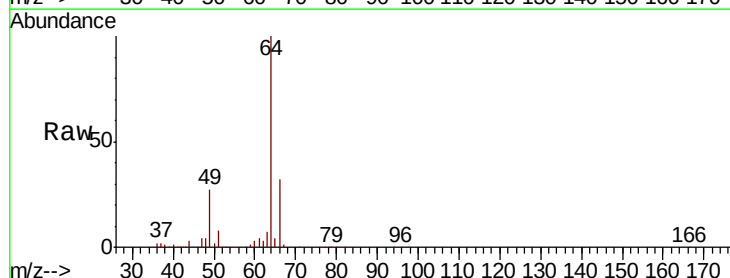
Acq: 13 May 2019 18:14

Tgt Ion: 64 Resp: 63272

Ion Ratio Lower Upper

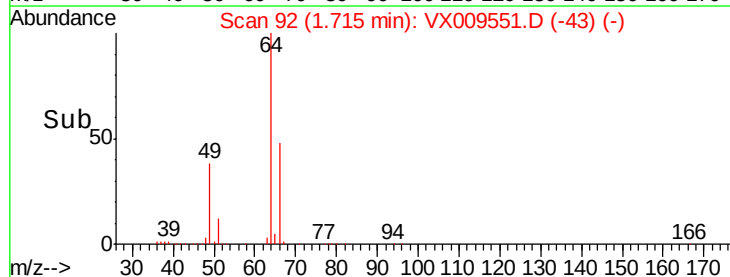
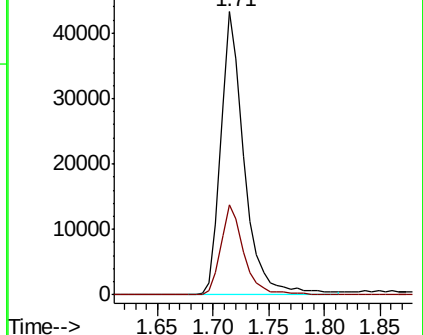
64 100

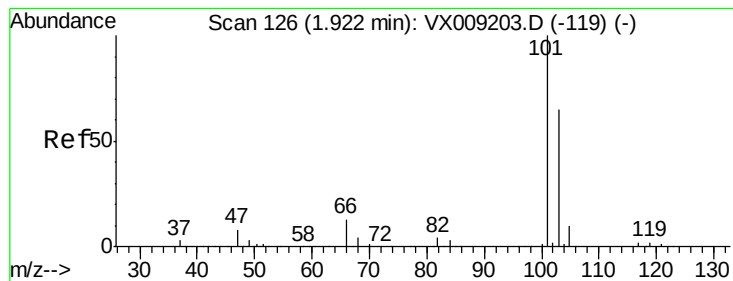
66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



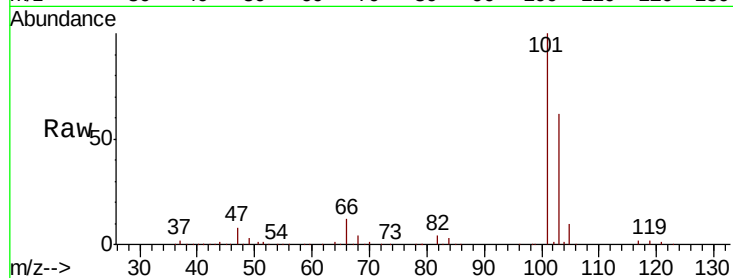


#7

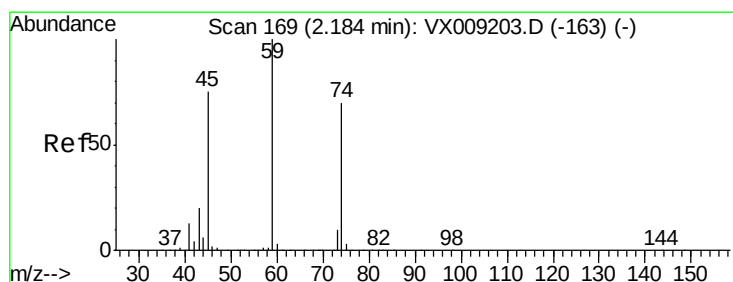
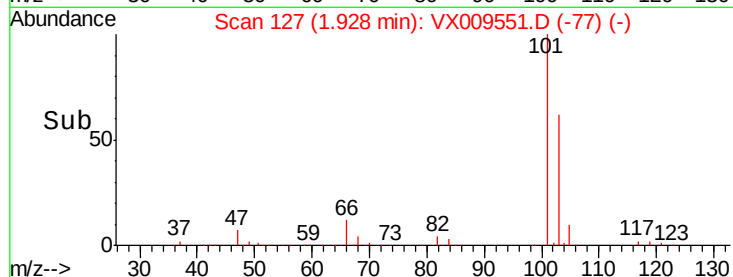
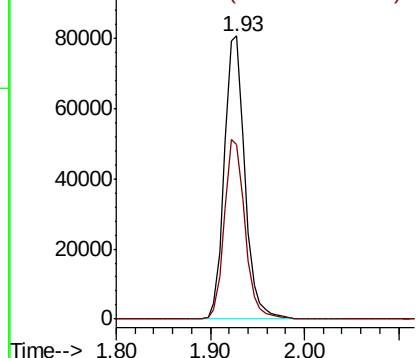
Trichlorofluoromethane
 Concen: 51.216 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 121832
 Ion Ratio Lower Upper
 101 100
 103 61.6 52.4 78.6



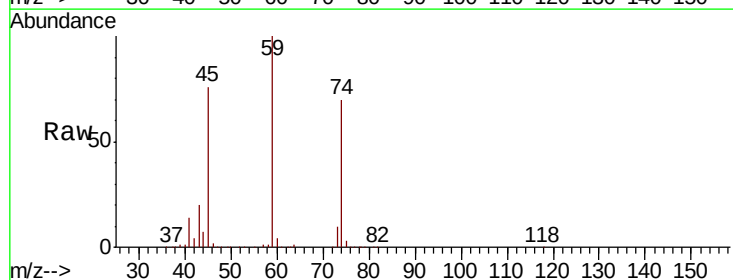
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



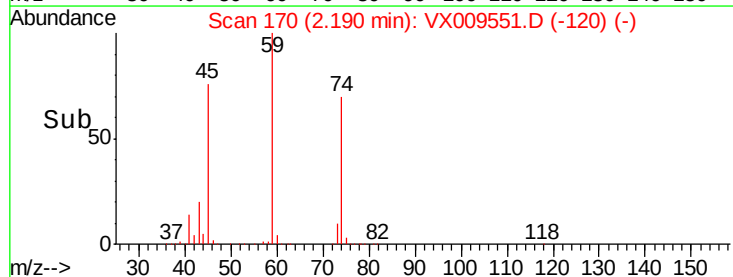
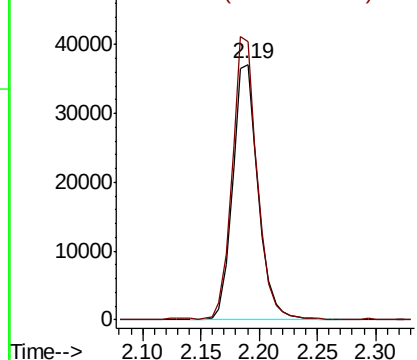
#8

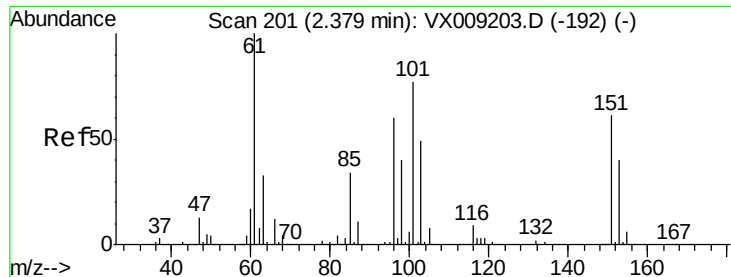
Diethyl Ether
 Concen: 49.922 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion: 74 Resp: 56251
 Ion Ratio Lower Upper
 74 100
 45 108.1 53.3 159.9



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0

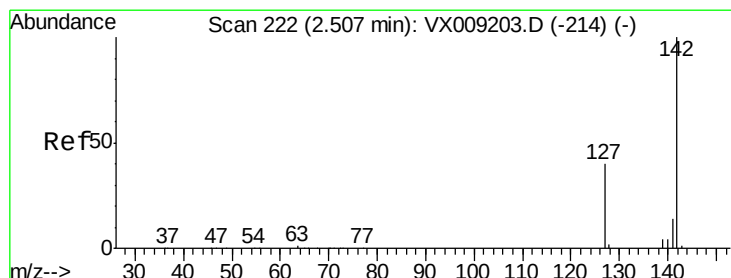
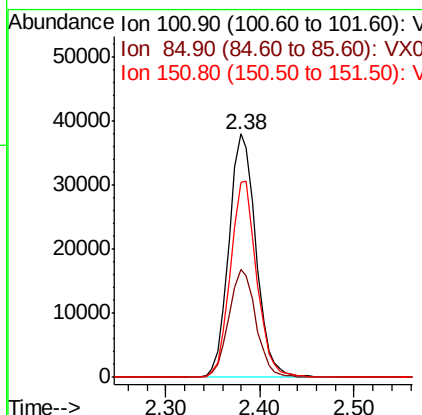
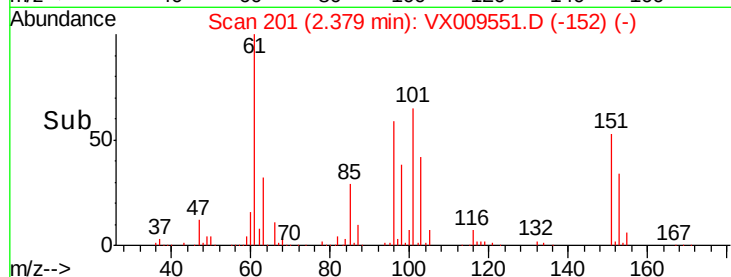
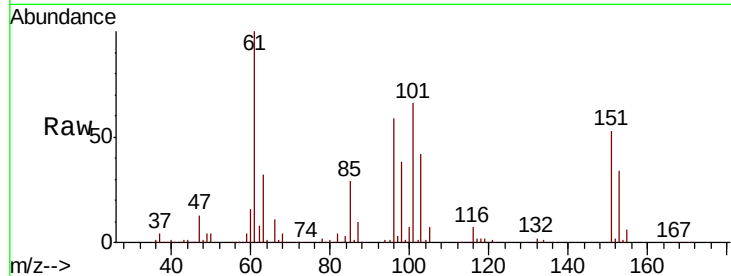




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.760 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

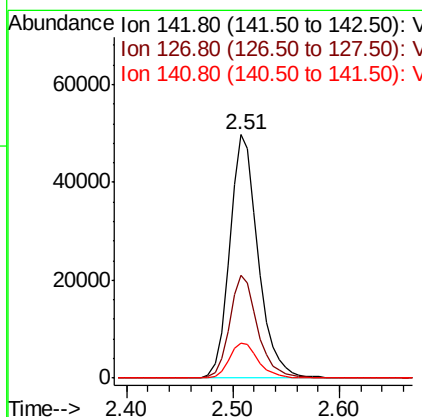
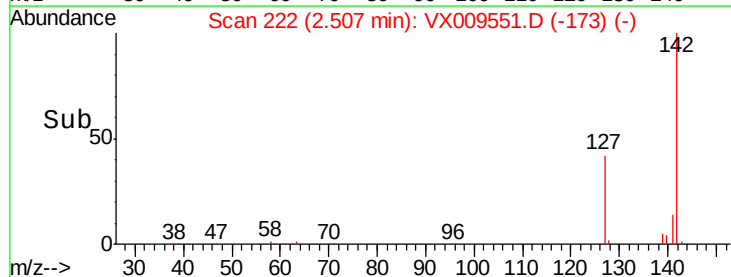
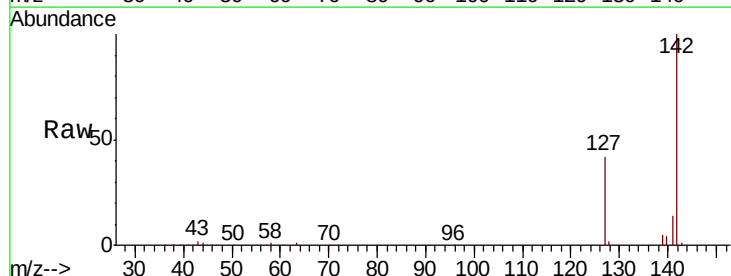
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

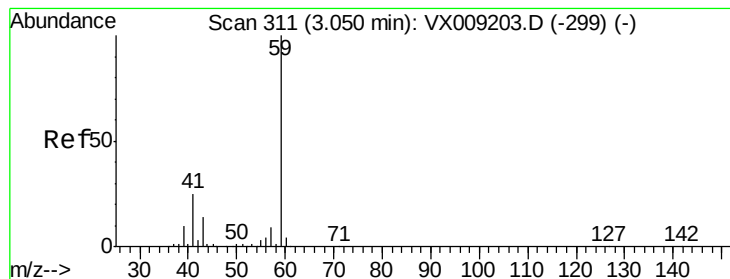
Tot Ion:101 Resp: 75825
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.7 53.5
 151 78.5 62.2 93.2



#10
 Methyl Iodide
 Concen: 53.225 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion:142 Resp: 92945
 Ion Ratio Lower Upper
 142 100
 127 41.5 32.7 49.1
 141 14.7 11.5 17.3



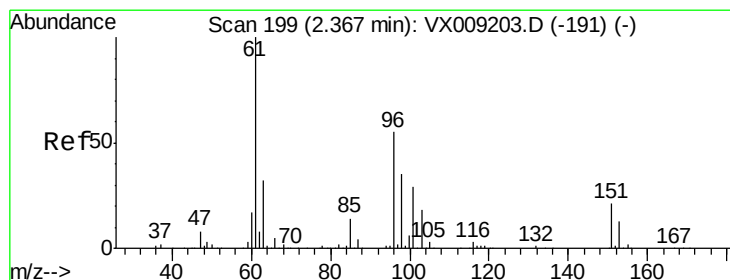
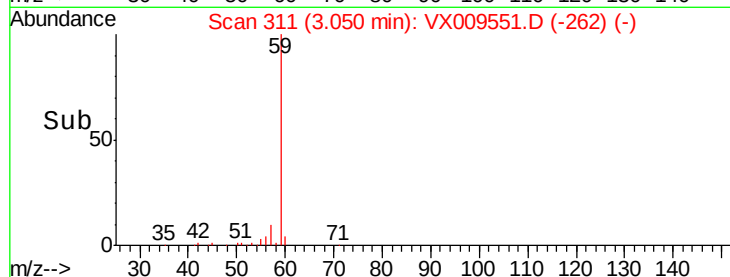
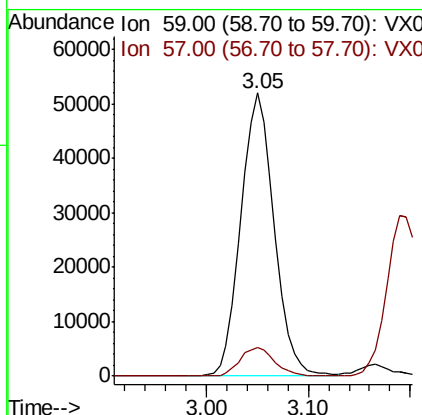
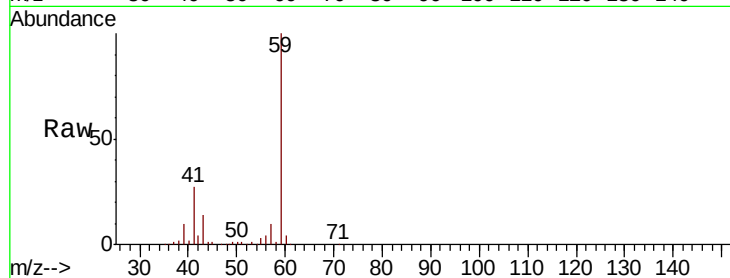


#11

Tert butyl alcohol
 Concen: 234.334 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

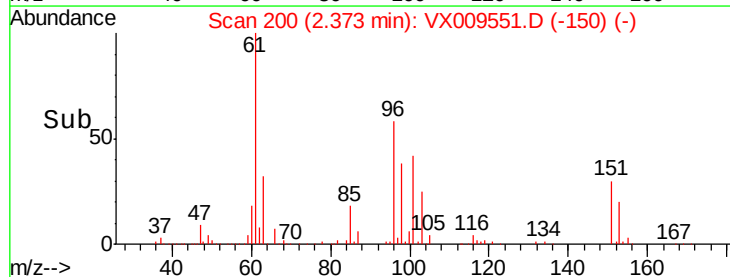
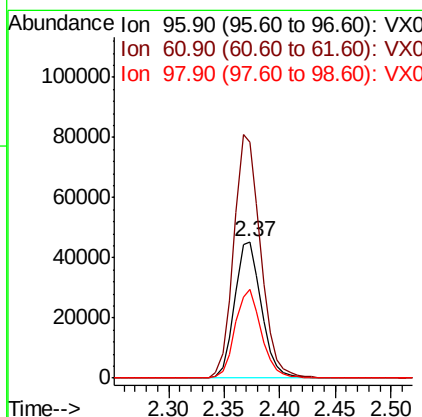
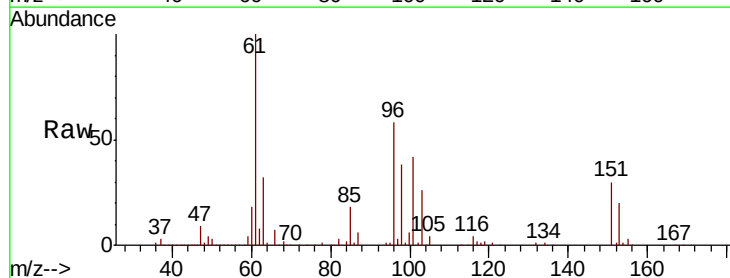
Tot Ion: 59 Resp: 118117
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.2

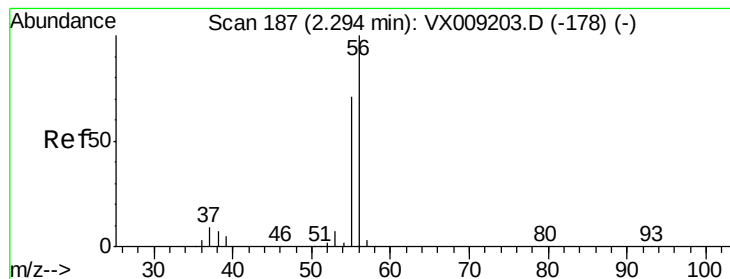


#12

1,1-Dichloroethene
 Concen: 50.554 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion: 96 Resp: 75665
 Ion Ratio Lower Upper
 96 100
 61 173.2 144.3 216.5
 98 65.3 50.3 75.5





#13

Acrolein

Concen: 245.766 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

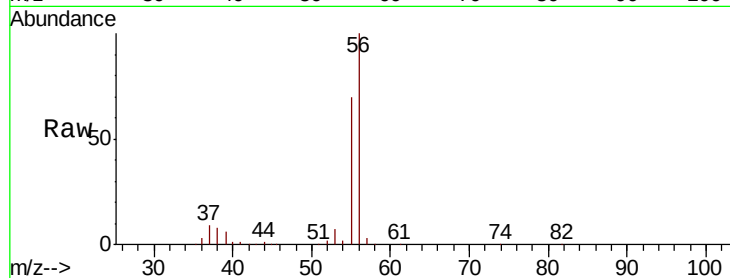
VSTDCCC050EC

Tot Ion: 56 Resp: 112189

Ion Ratio Lower Upper

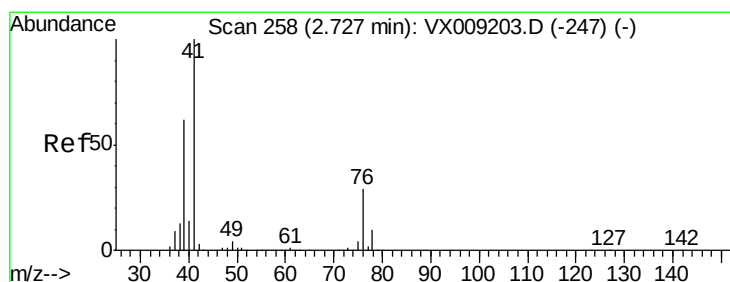
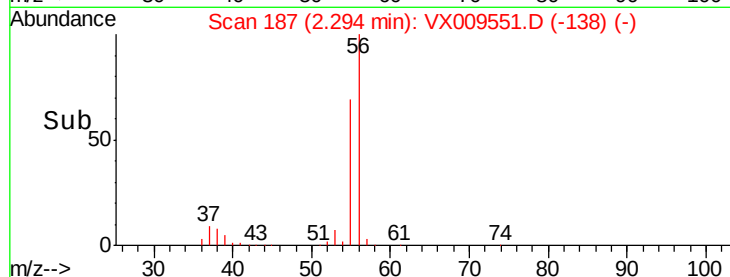
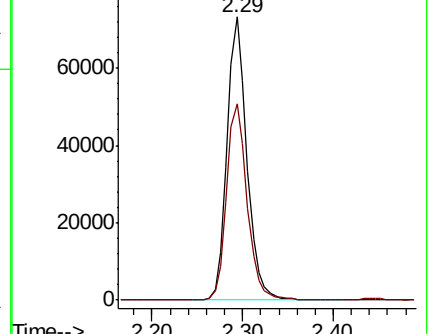
56 100

55 71.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.290 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

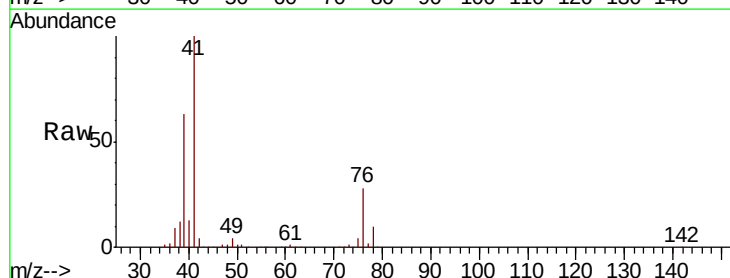
Tgt Ion: 41 Resp: 179785

Ion Ratio Lower Upper

41 100

39 59.4 46.7 70.1

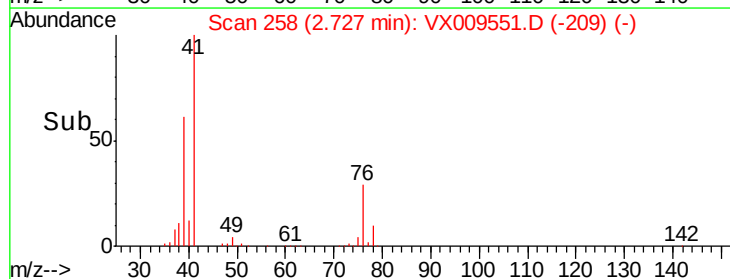
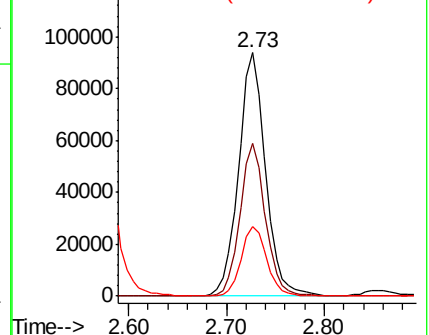
76 27.1 21.8 32.8

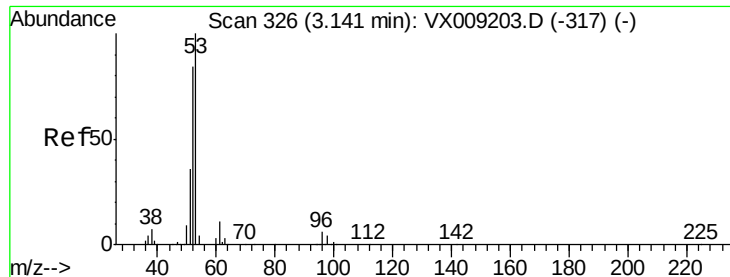


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 246.971 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

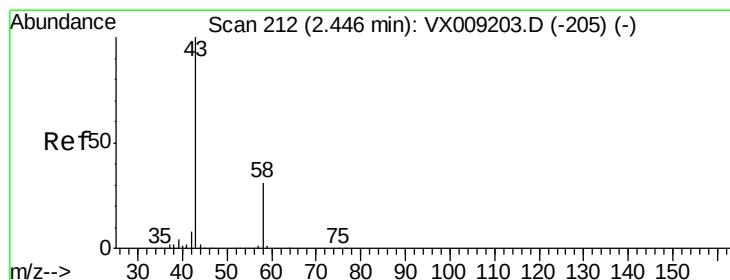
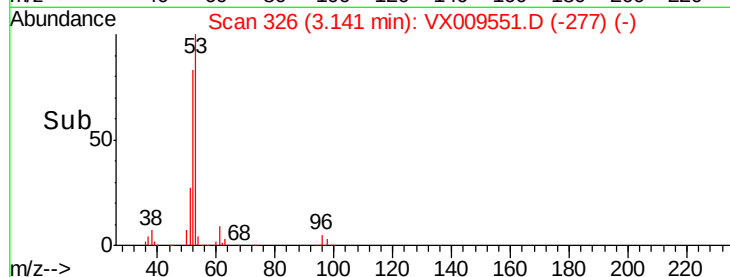
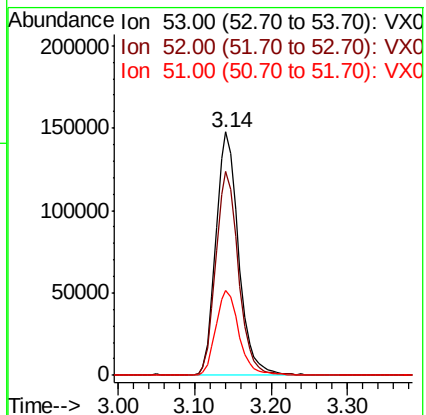
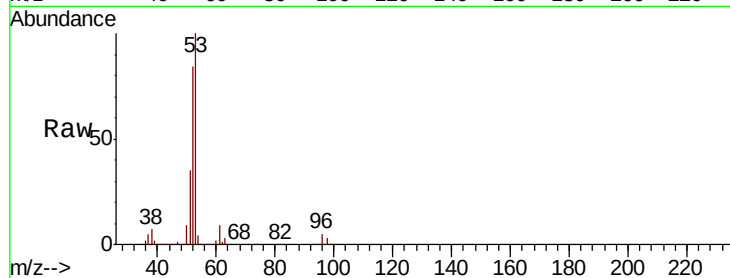
Tot Ion: 53 Resp: 304379

Ion Ratio Lower Upper

53 100

52 83.5 66.9 100.3

51 35.6 28.2 42.2



#16

Acetone

Concen: 242.712 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009551.D

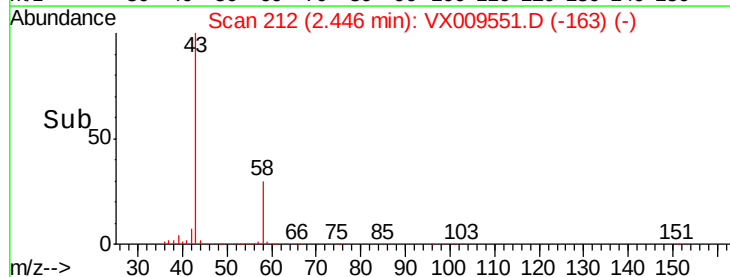
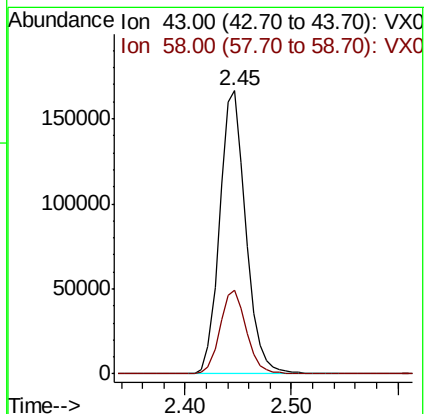
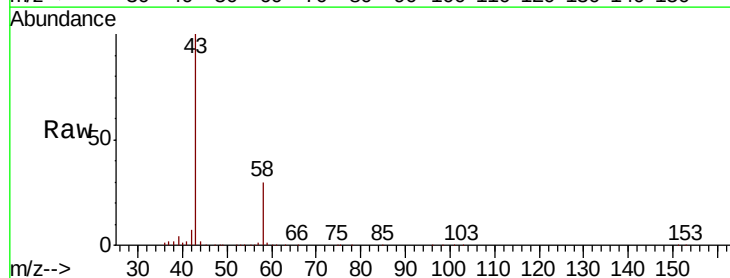
Acq: 13 May 2019 18:14

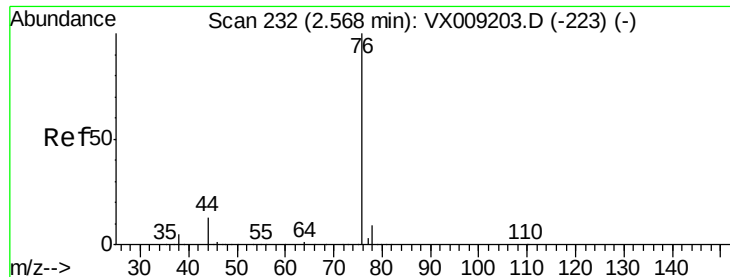
Tgt Ion: 43 Resp: 283796

Ion Ratio Lower Upper

43 100

58 29.7 24.9 37.3

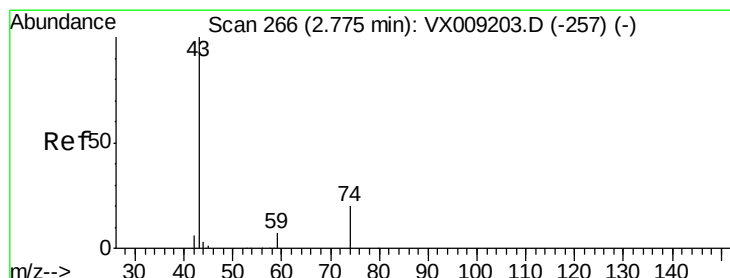
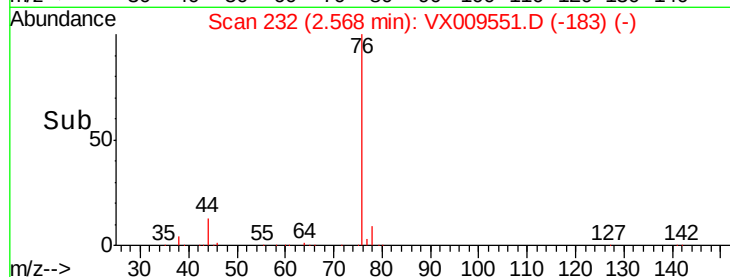
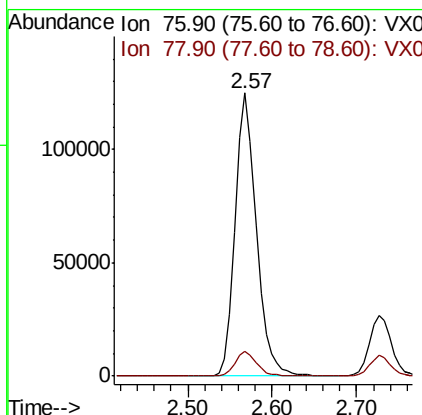
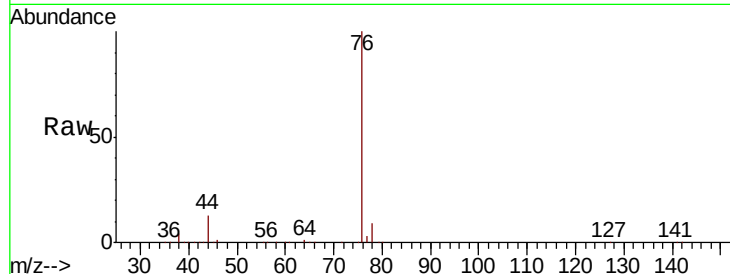




#17
Carbon Disulfide
Concen: 50.628 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

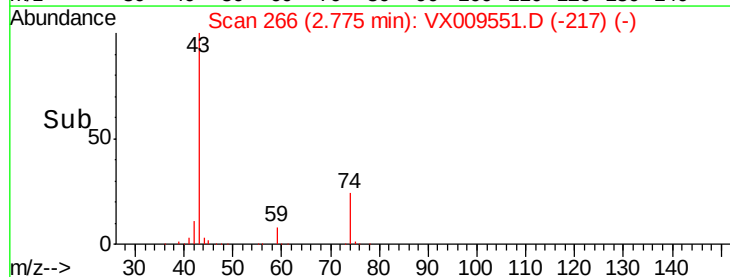
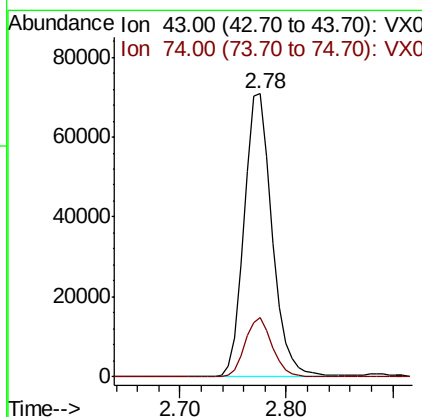
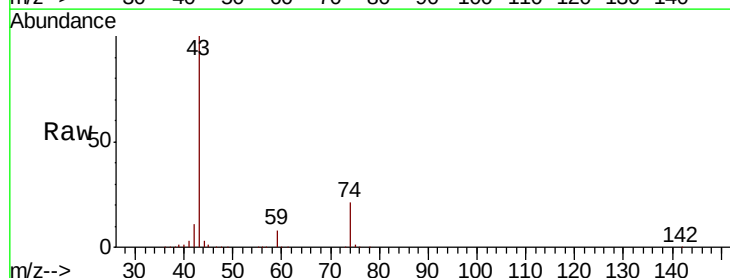
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

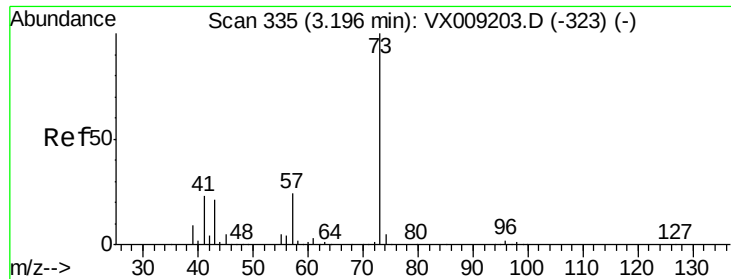
Tot Ion: 76 Resp: 212747
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 47.032 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion: 43 Resp: 130784
Ion Ratio Lower Upper
43 100
74 20.8 16.2 24.4



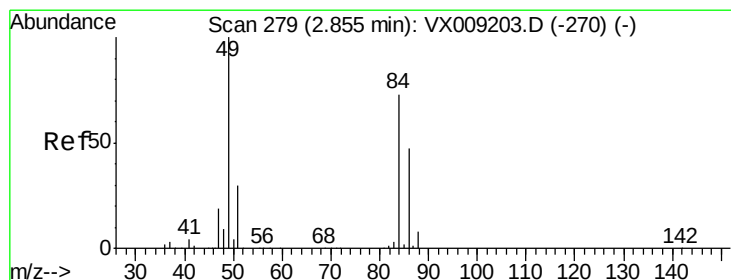
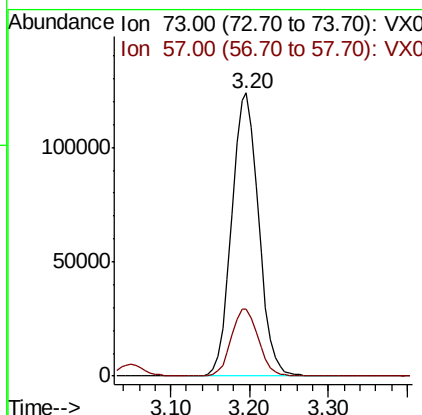
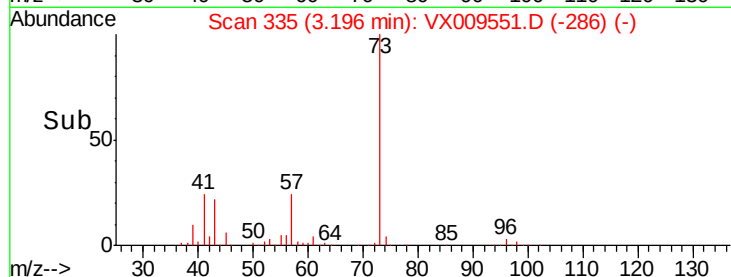
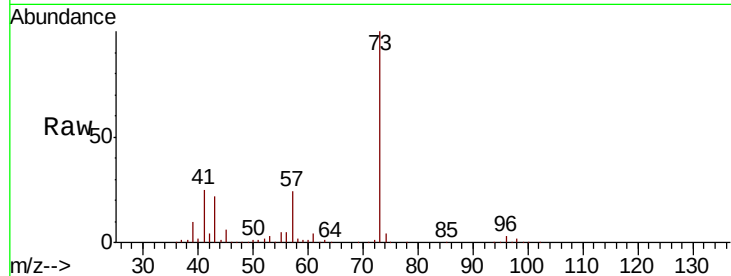


#19

Methyl tert-butyl Ether
 Concen: 50.528 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

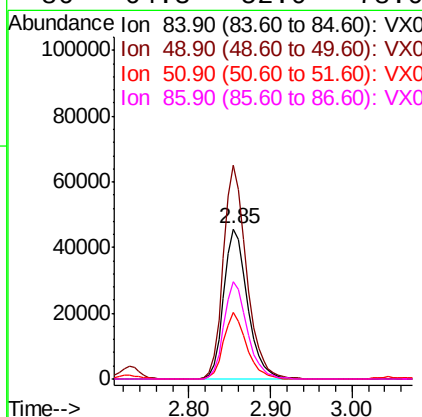
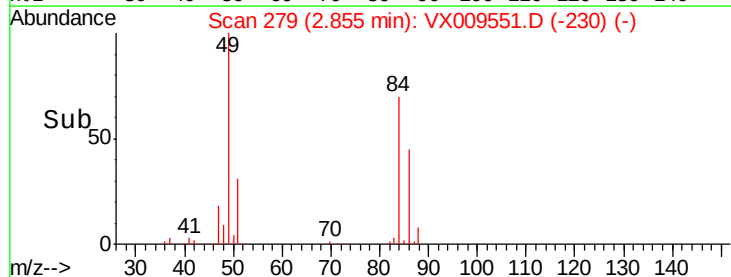
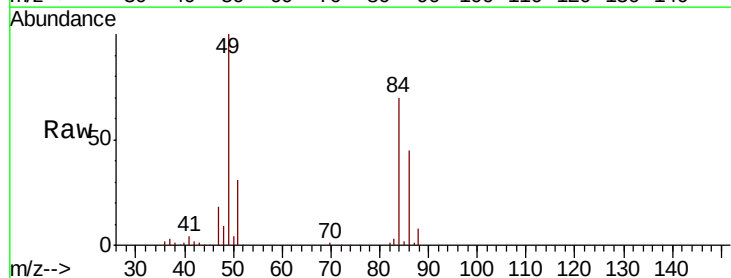
Tot Ion: 73 Resp: 293675
 Ion Ratio Lower Upper
 73 100
 57 23.7 19.3 28.9

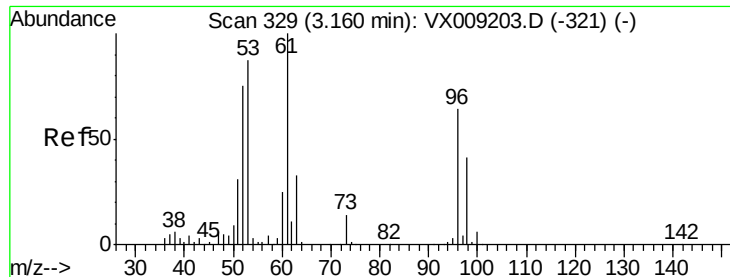


#20

Methylene Chloride
 Concen: 48.647 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion: 84 Resp: 92099
 Ion Ratio Lower Upper
 84 100
 49 141.8 109.9 164.9
 51 44.0 32.7 49.1
 86 64.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.923 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

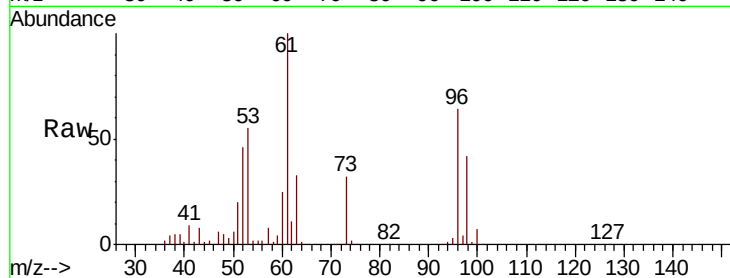
Tot Ion: 96 Resp: 82657

Ion Ratio Lower Upper

96 100

61 156.6 124.5 186.7

98 65.7 50.4 75.6

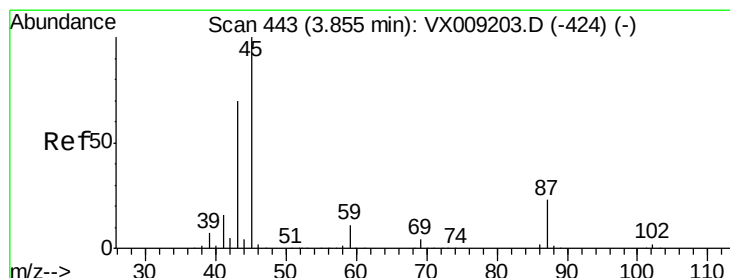
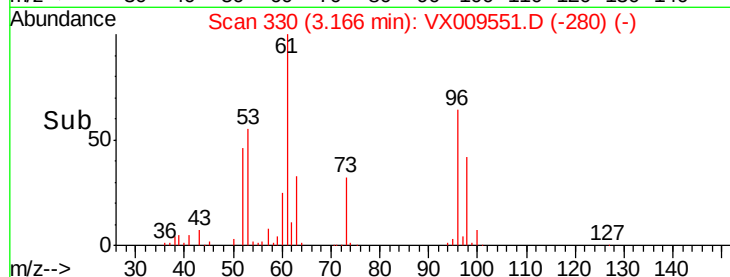
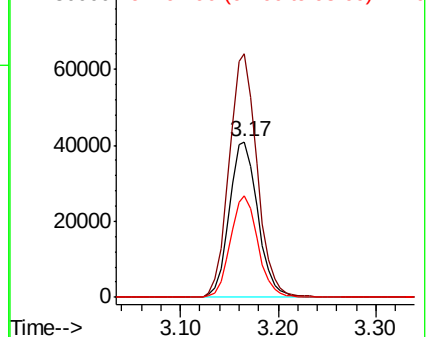


Abundance

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: 50.527 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Tgt Ion: 45 Resp: 354427

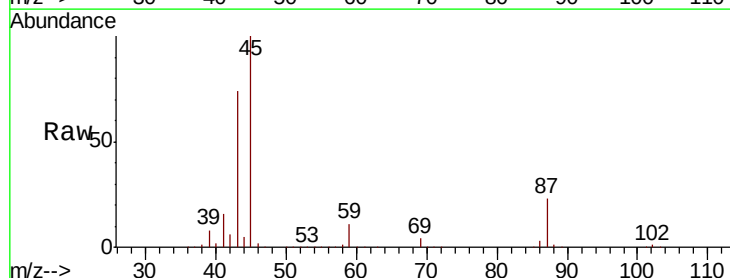
Ion Ratio Lower Upper

45 100

43 74.2 56.1 84.1

87 23.0 18.1 27.1

59 10.8 8.5 12.7



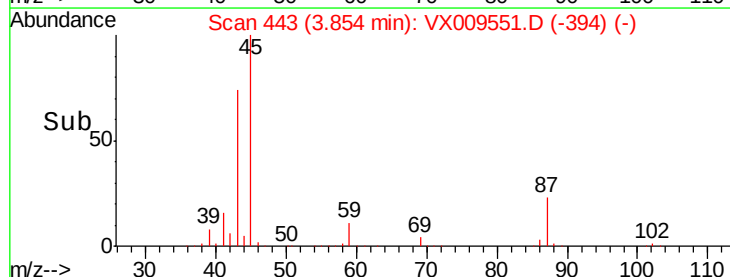
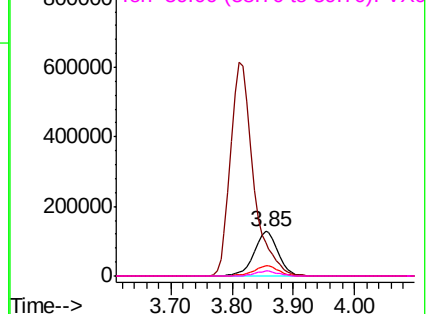
Abundance

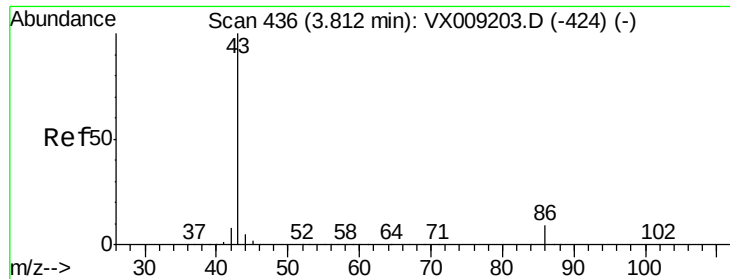
Ion 45.00 (44.70 to 45.70): VX0

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: 263.563 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

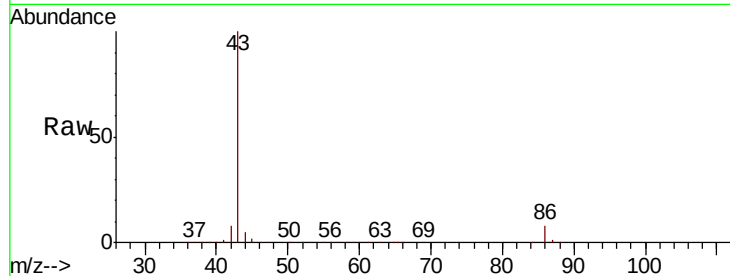
VSTDCCC050EC

Tot Ion: 43 Resp: 1583130

Ion Ratio Lower Upper

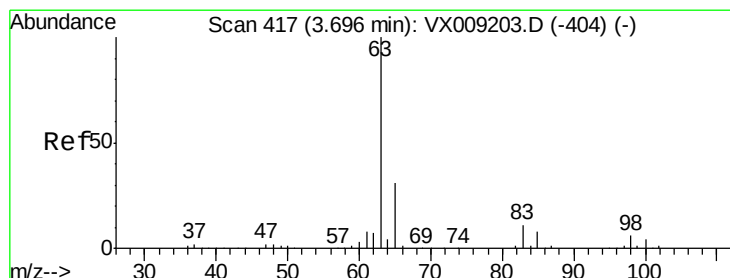
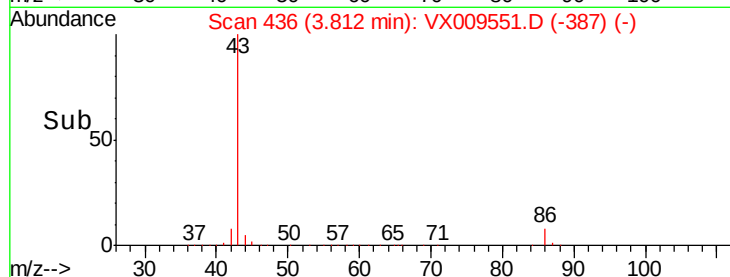
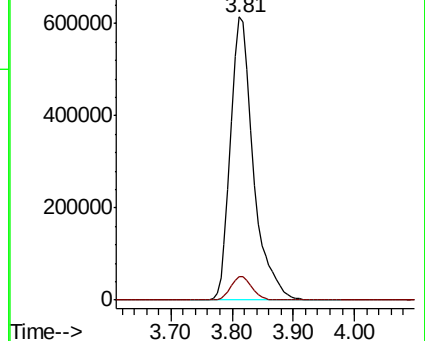
43 100

86 8.5 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.813 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

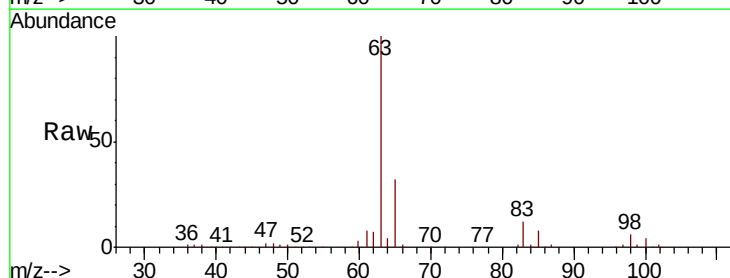
Tgt Ion: 63 Resp: 172370

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

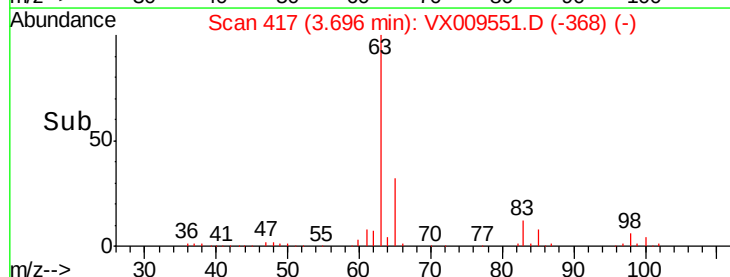
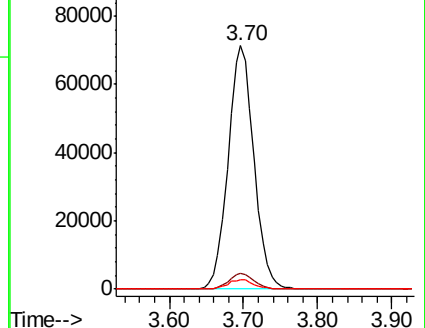
100 3.7 2.0 6.0

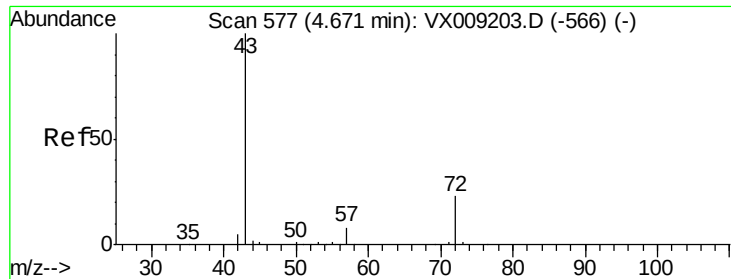


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 250.131 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

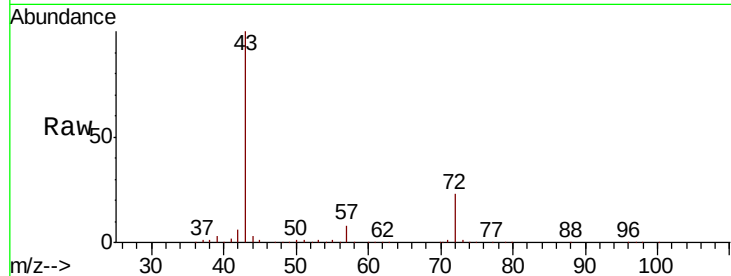
VSTDCCC050EC

Tot Ion: 43 Resp: 454490

Ion Ratio Lower Upper

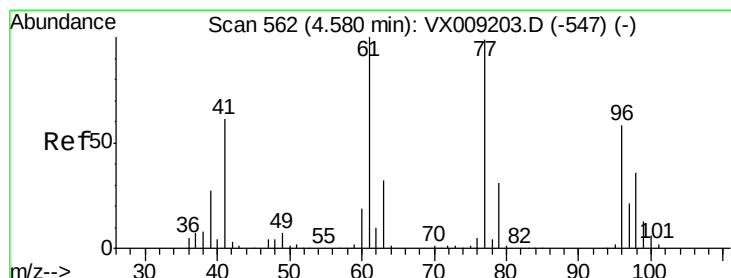
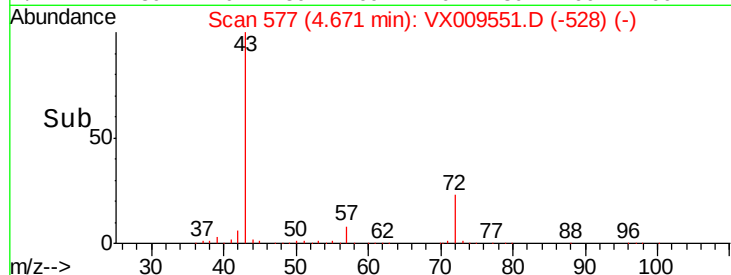
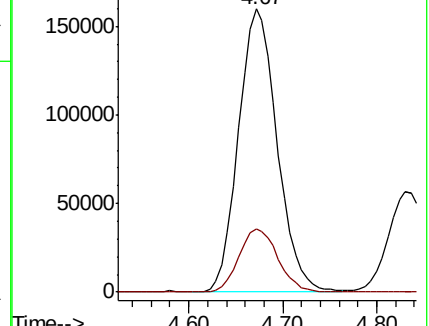
43 100

72 22.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 50.116 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009551.D

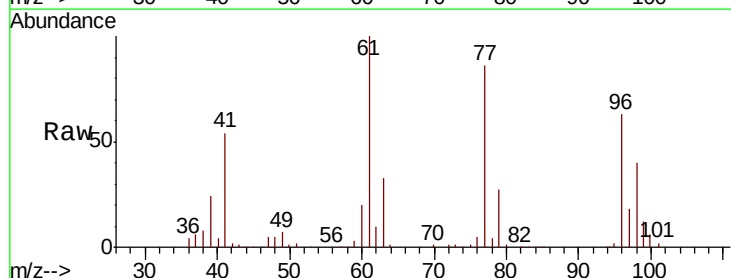
Acq: 13 May 2019 18:14

Tgt Ion: 77 Resp: 129083

Ion Ratio Lower Upper

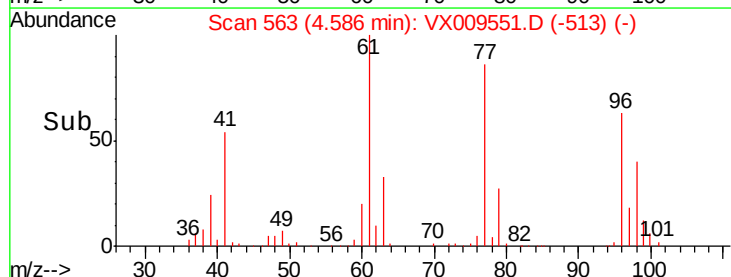
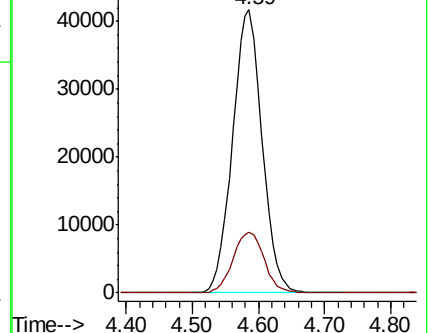
77 100

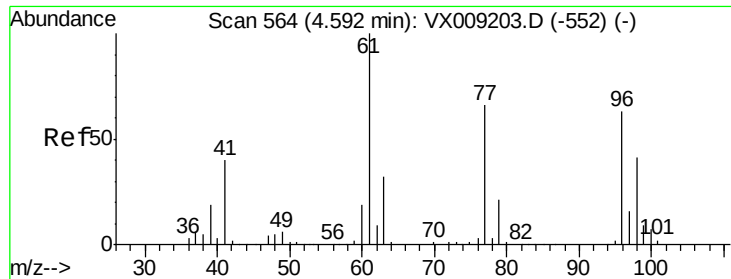
97 22.5 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



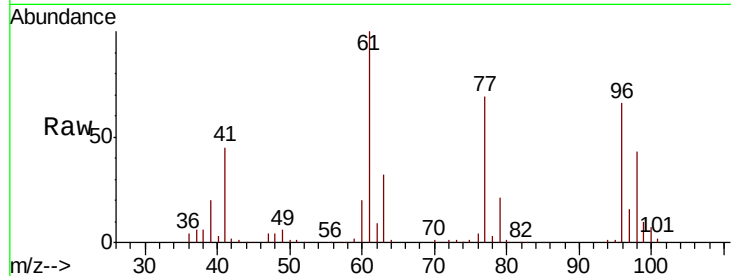


#27

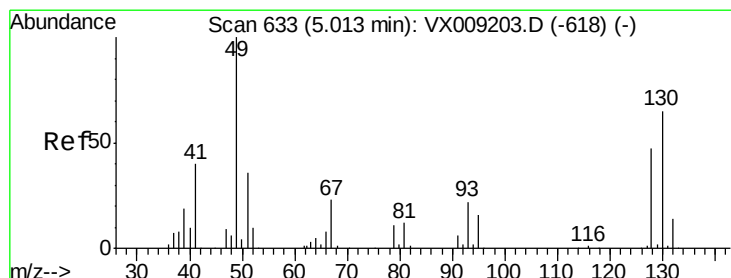
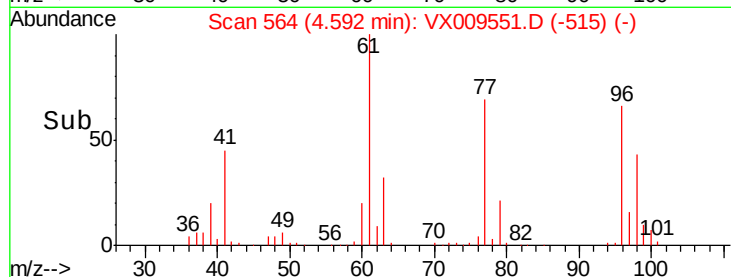
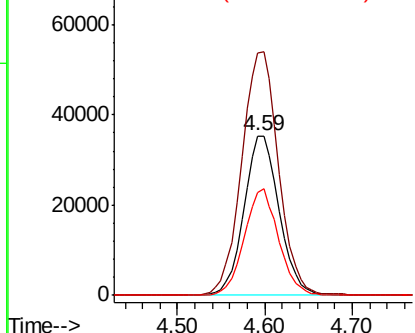
cis-1,2-Dichloroethene
 Concen: 50.678 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 98186
 Ion Ratio Lower Upper
 96 100
 61 160.9 0.0 324.0
 98 65.2 0.0 130.4



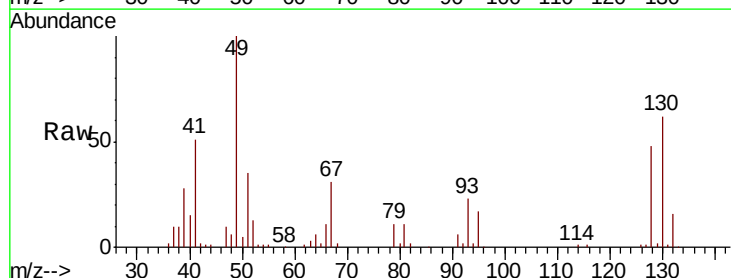
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



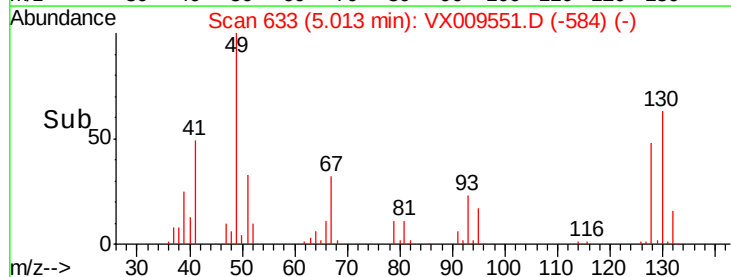
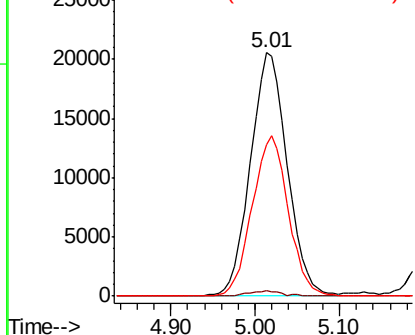
#28

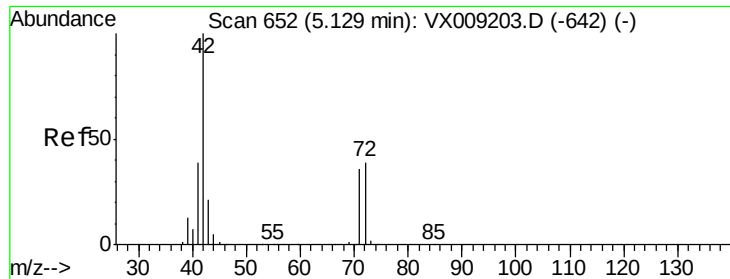
Bromochloromethane
 Concen: 43.658 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion: 49 Resp: 61298
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.8
 130 64.7 51.2 76.8



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

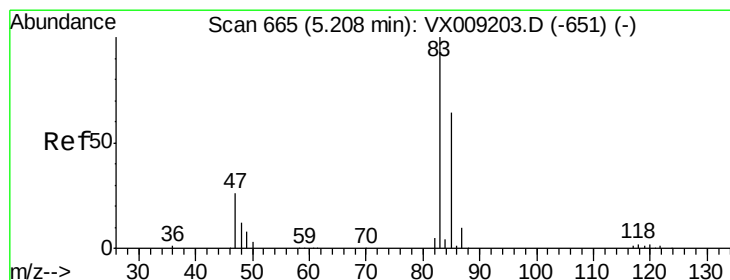
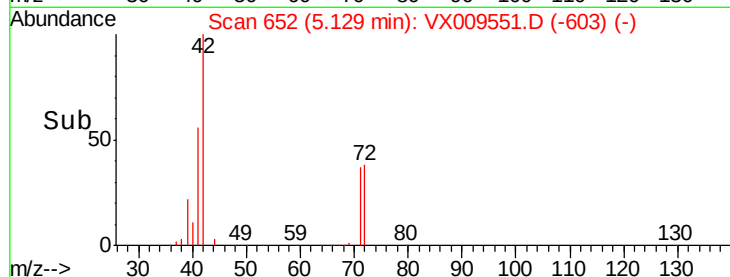
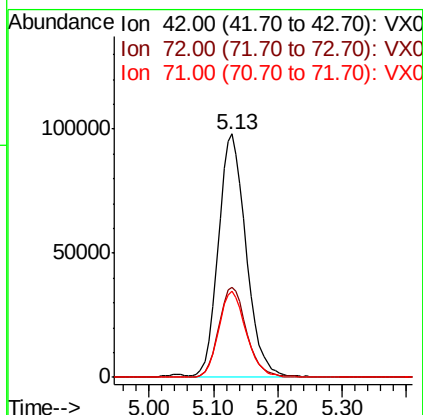
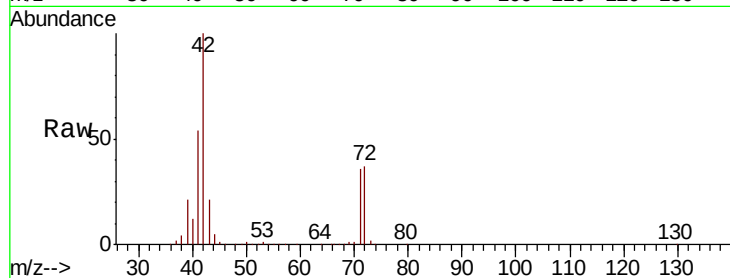




#29
Tetrahydrofuran
Concen: 253.342 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

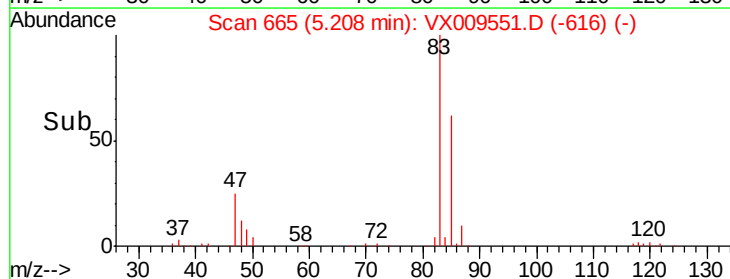
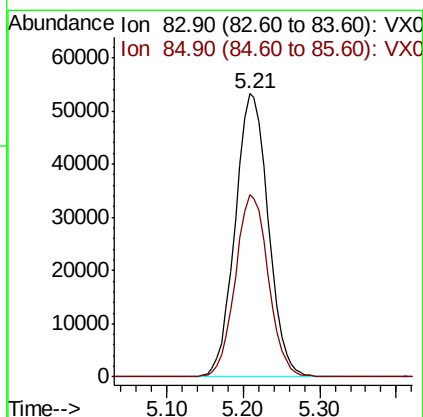
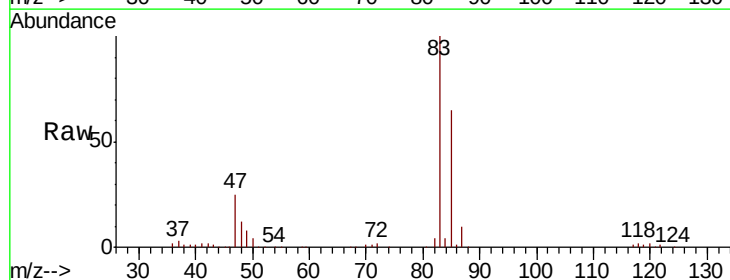
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

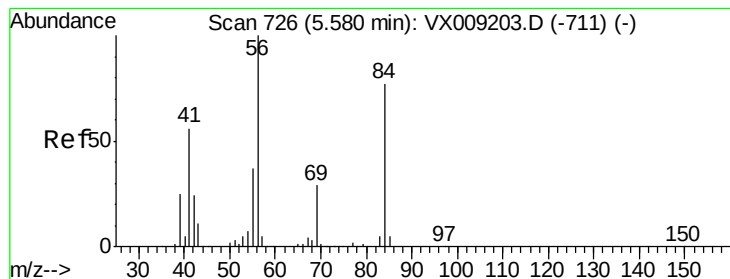
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.4	45.6
71	35.5	28.6	43.0



#30
Chloroform
Concen: 51.123 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3





#31

Cyclohexane

Concen: 51.163 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

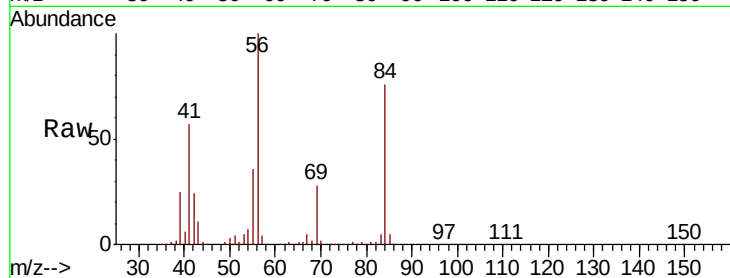
Tot Ion: 56 Resp: 164715

Ion Ratio Lower Upper

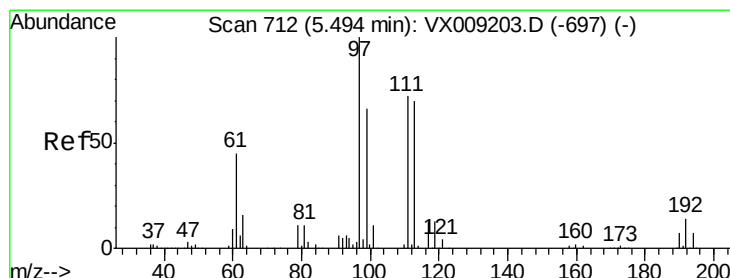
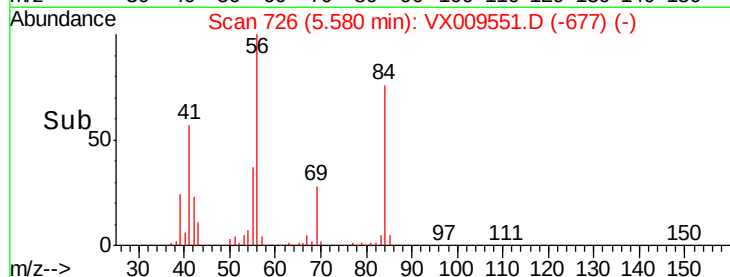
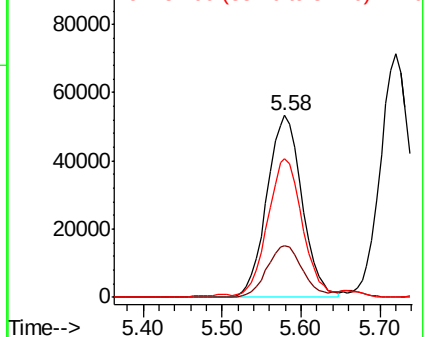
56 100

69 27.9 23.4 35.0

84 76.2 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 50.458 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

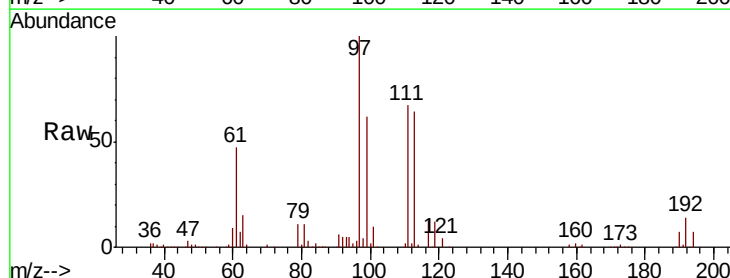
Tgt Ion: 97 Resp: 131459

Ion Ratio Lower Upper

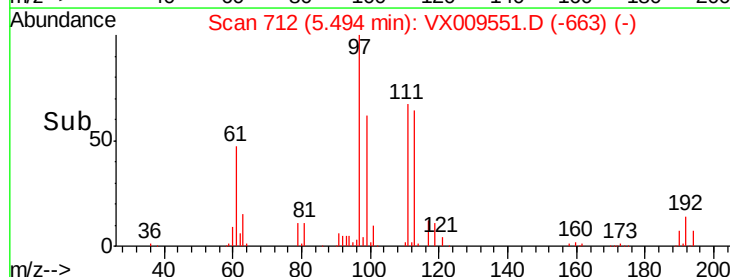
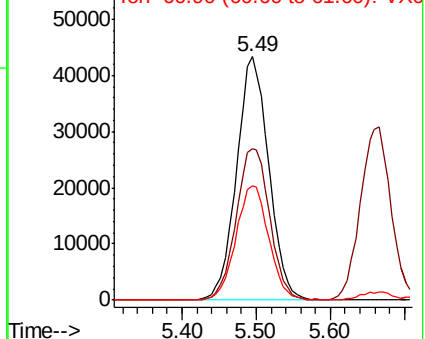
97 100

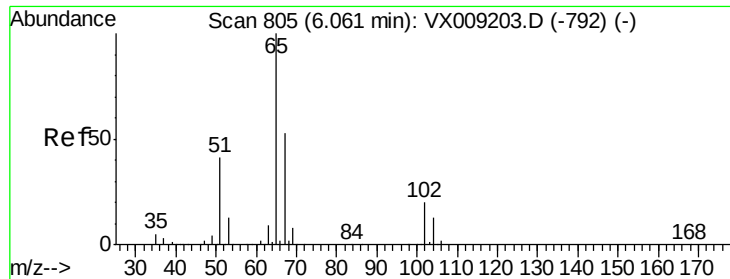
99 64.8 51.8 77.8

61 48.3 37.8 56.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

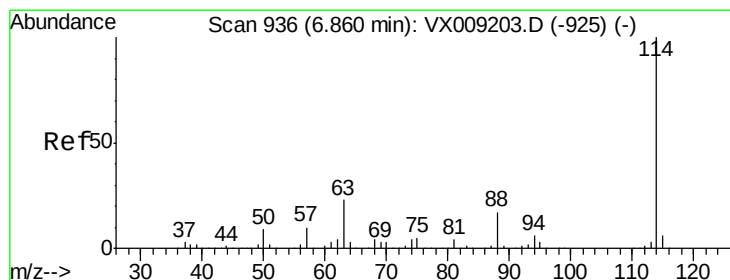
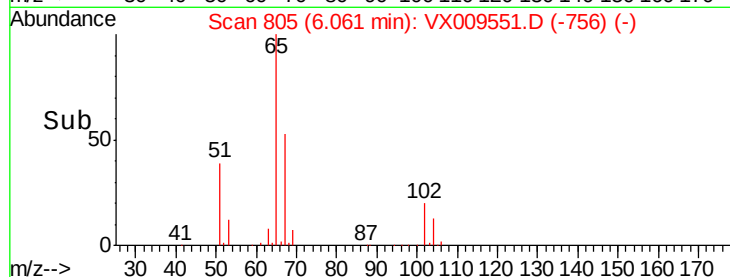
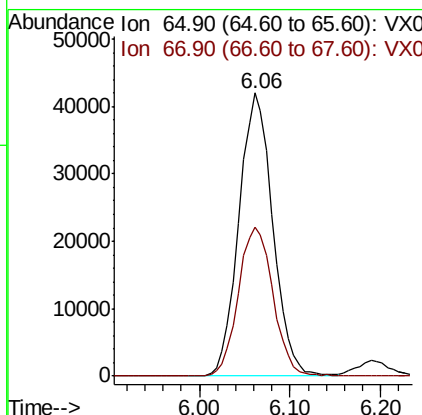
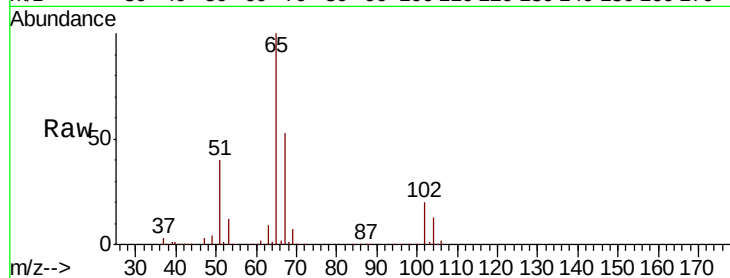




#33
 1,2-Dichloroethane-d4
 Concen: 49.988 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

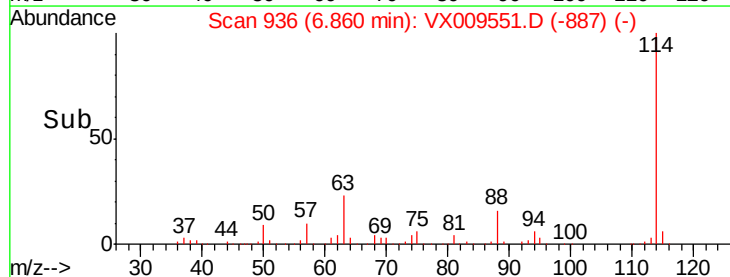
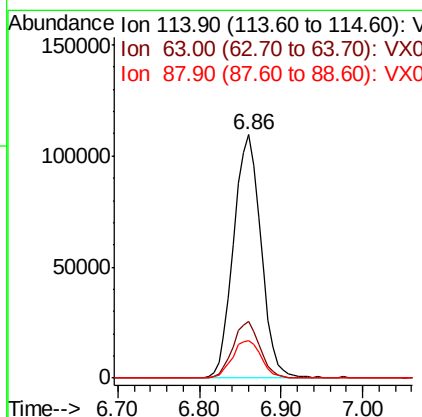
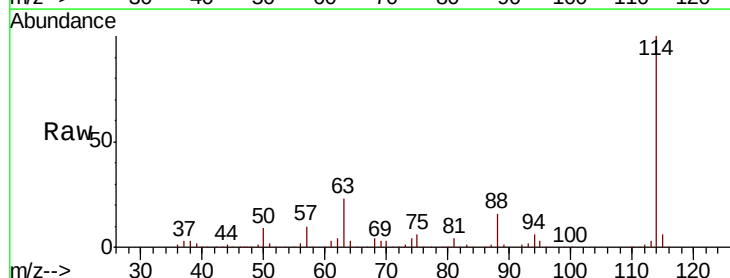
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

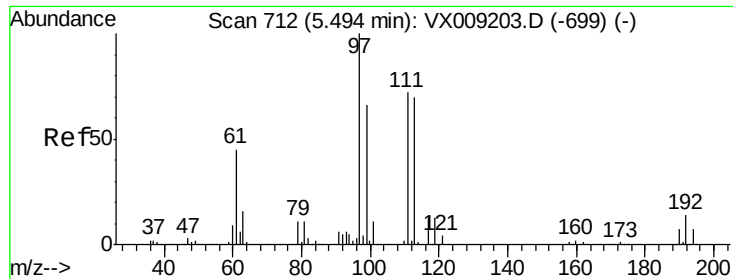
Tot Ion: 65 Resp: 108853
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion: 114 Resp: 254769
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.6
 88 15.6 0.0 33.2

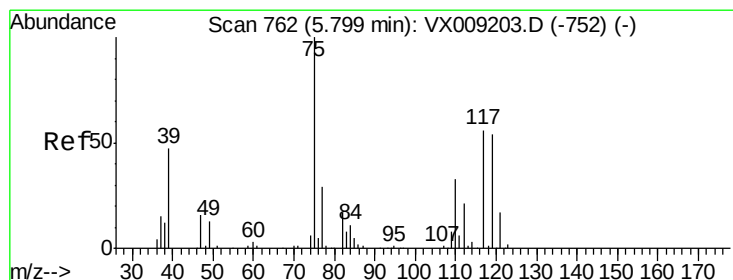
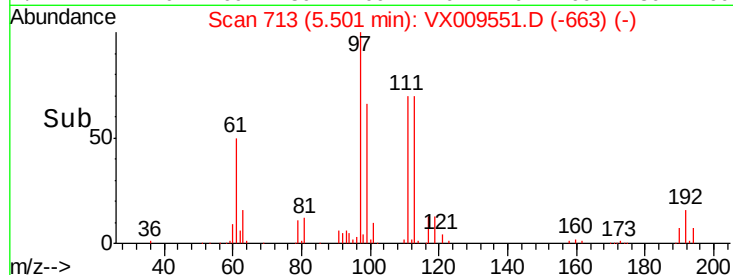
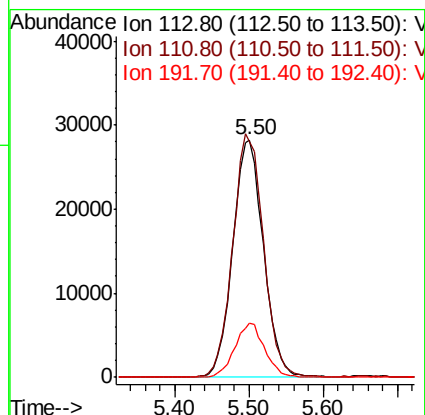
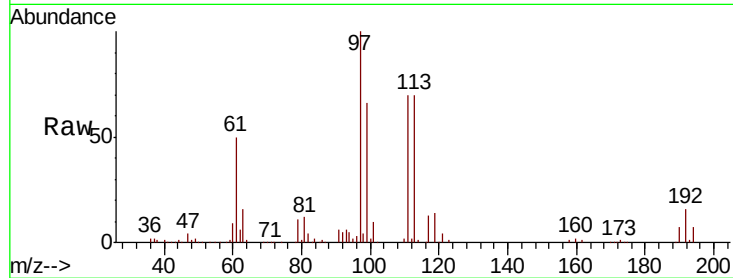




#35
 Dibromofluoromethane
 Concen: 50.941 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

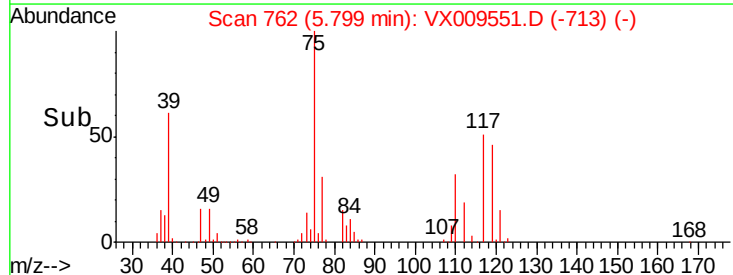
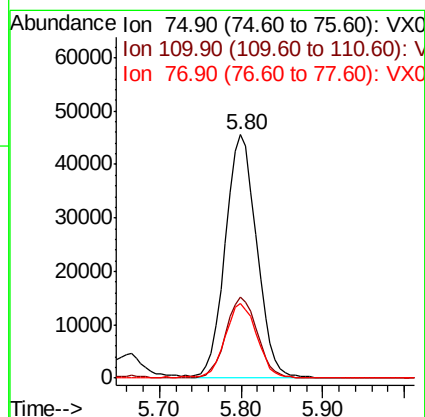
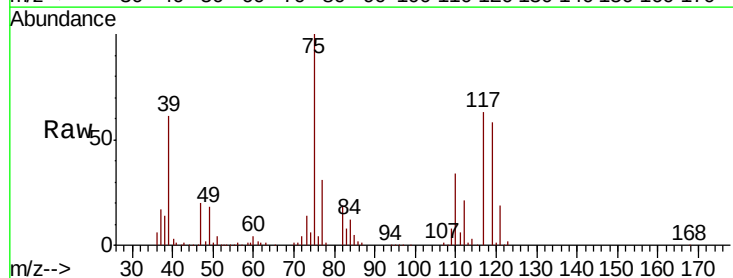
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

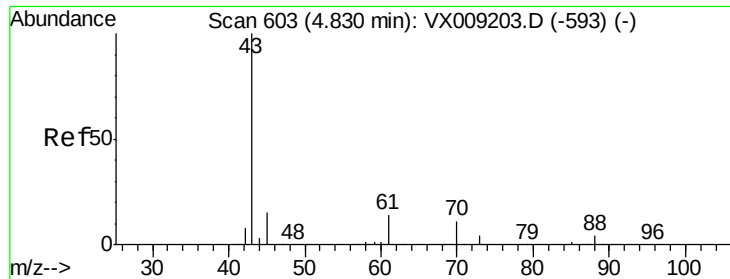
Tot Ion:113 Resp: 81586
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 22.1 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 51.052 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion: 75 Resp: 120872
 Ion Ratio Lower Upper
 75 100
 110 33.5 16.9 50.6
 77 31.8 24.8 37.2

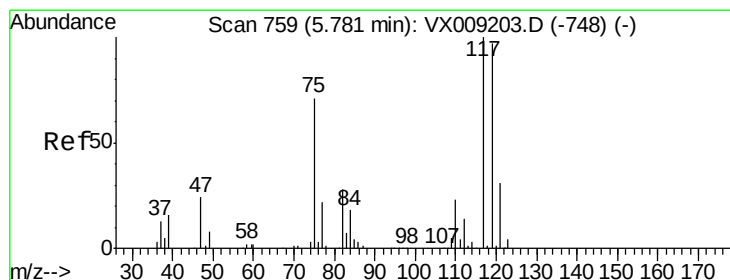
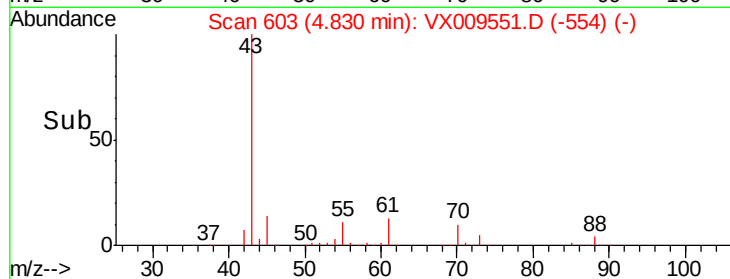
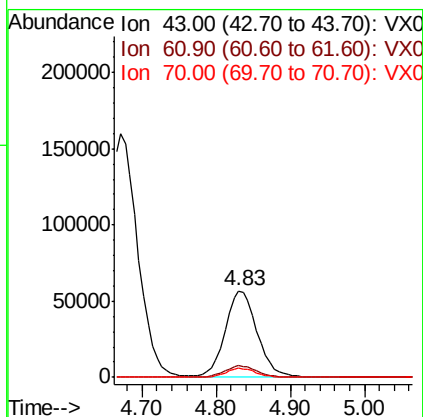
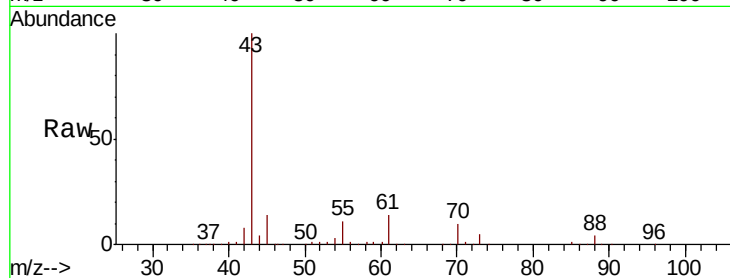




#37
Ethyl Acetate
Concen: 50.927 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

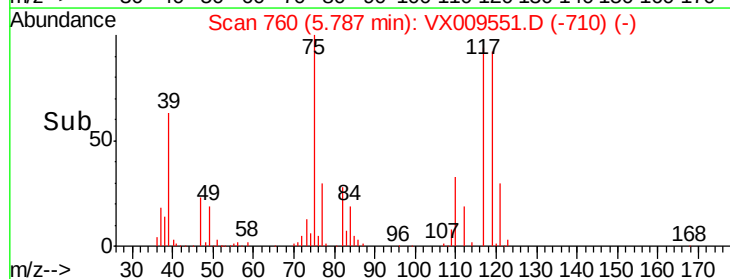
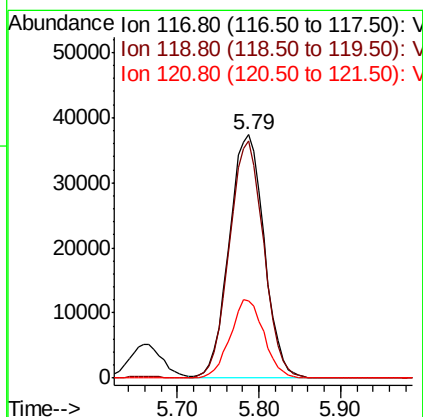
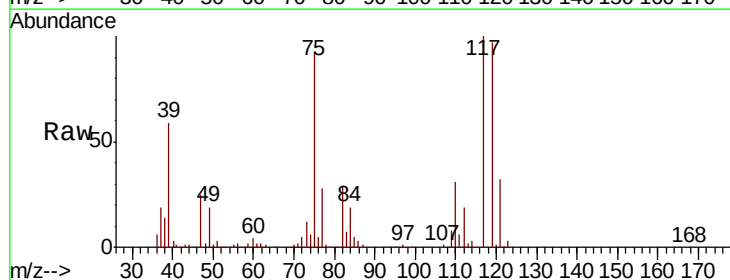
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

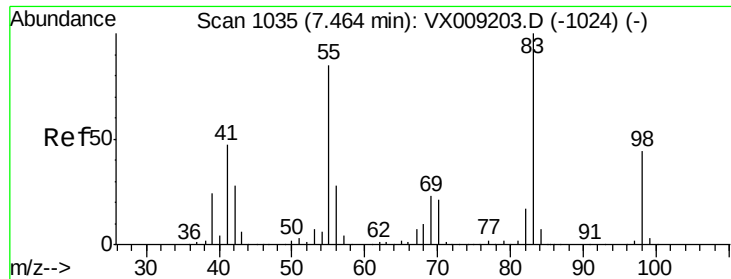
Tot Ion: 43 Resp: 167995
Ion Ratio Lower Upper
43 100
61 13.1 10.5 15.7
70 9.6 7.9 11.9



#38
Carbon Tetrachloride
Concen: 51.693 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion: 117 Resp: 111197
Ion Ratio Lower Upper
117 100
119 97.0 77.5 116.3
121 31.9 24.7 37.1

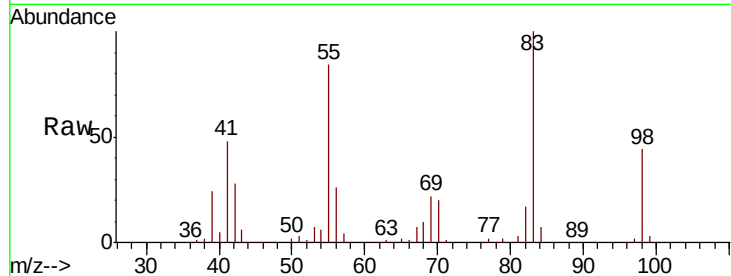




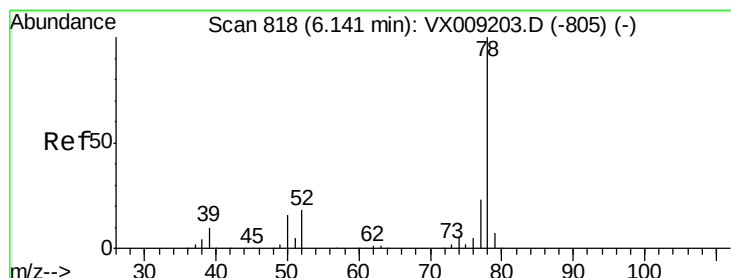
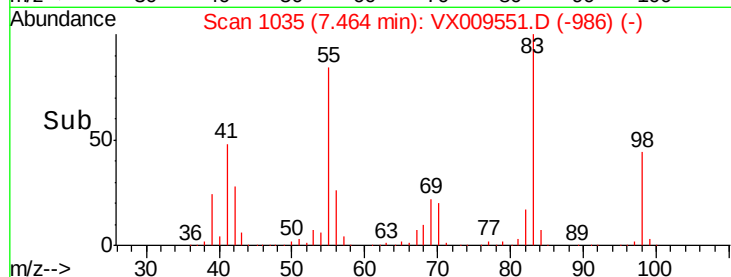
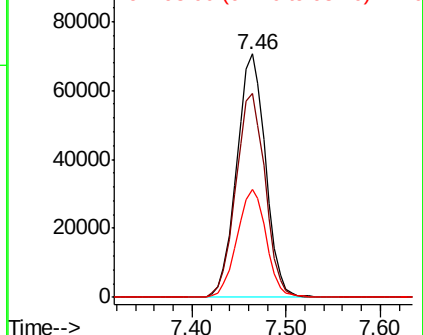
#39
Methylvlcyclohexane
Concen: 51.866 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 150808
Ion Ratio Lower Upper
83 100
55 83.7 67.7 101.5
98 44.2 35.5 53.3

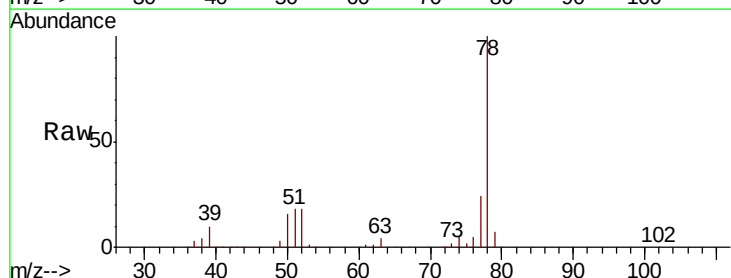


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

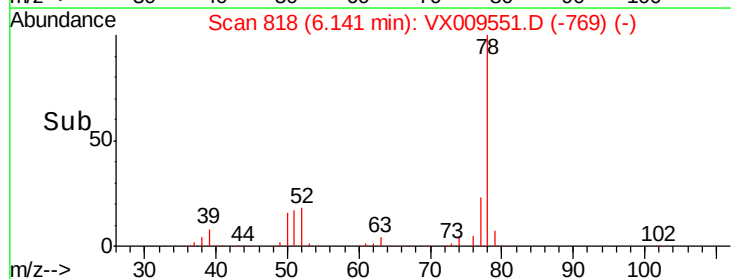
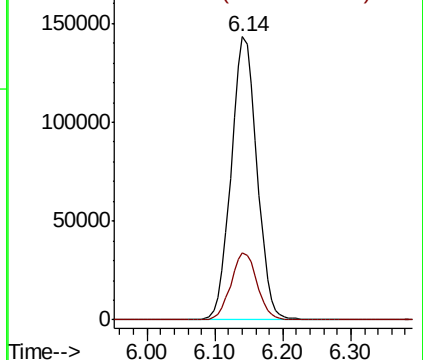


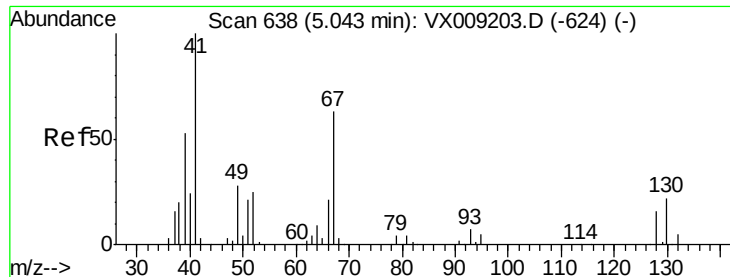
#40
Benzene
Concen: 51.514 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion: 78 Resp: 377457
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2



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





#41

Methacrylonitrile

Concen: 49.978 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 98140

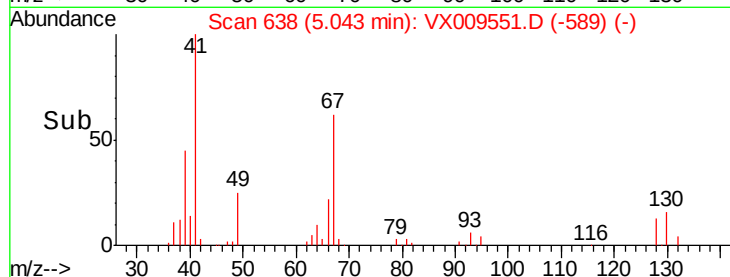
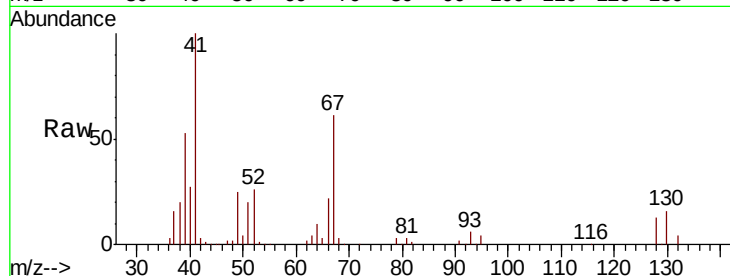
Ion Ratio Lower Upper

41 100

39 52.9 42.0 63.0

67 62.0 49.8 74.8

52 25.5 20.3 30.5

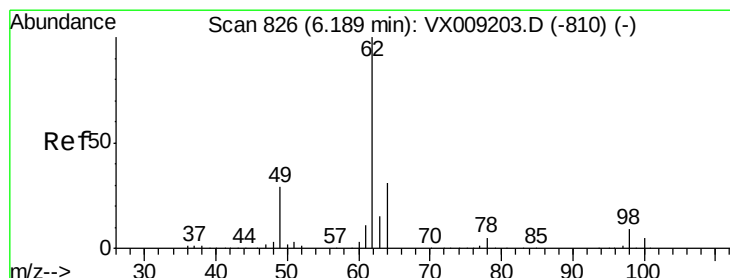
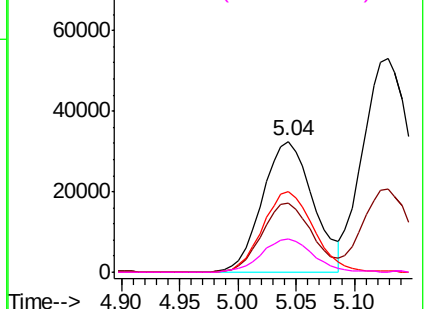


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 51.500 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009551.D

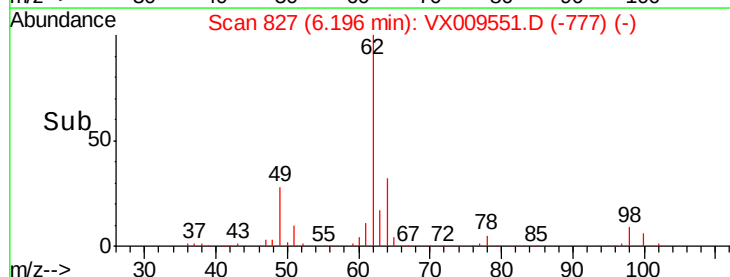
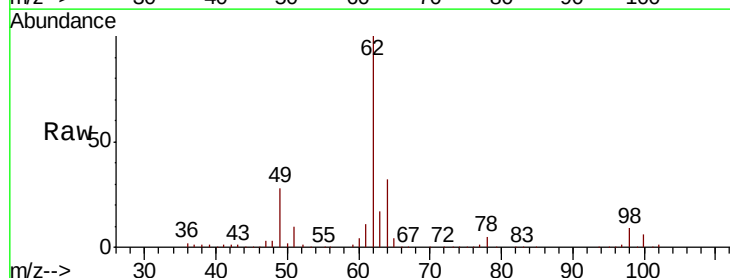
Acq: 13 May 2019 18:14

Tgt Ion: 62 Resp: 135365

Ion Ratio Lower Upper

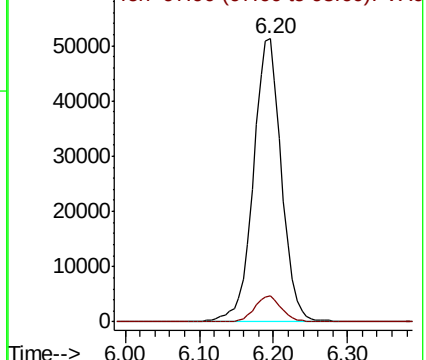
62 100

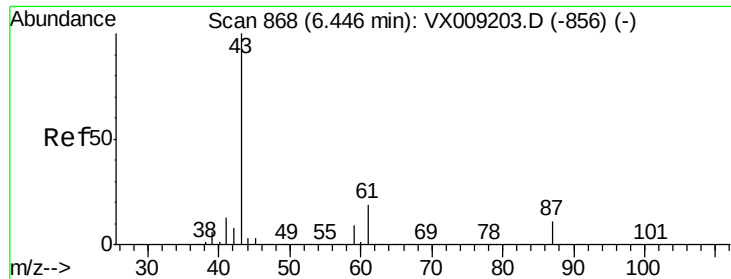
98 8.8 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.438 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

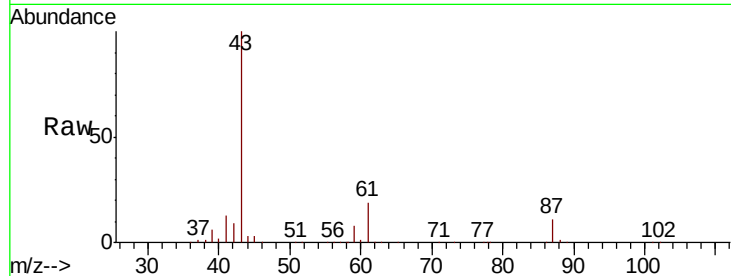
Tot Ion: 43 Resp: 271415

Ion Ratio Lower Upper

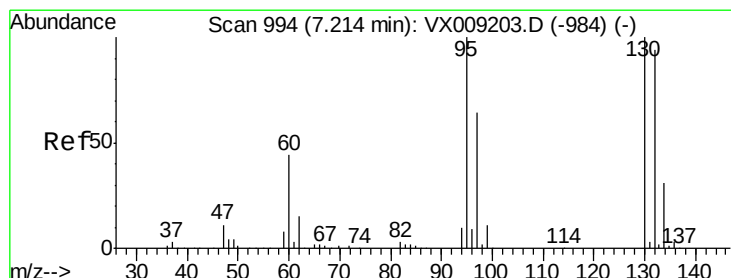
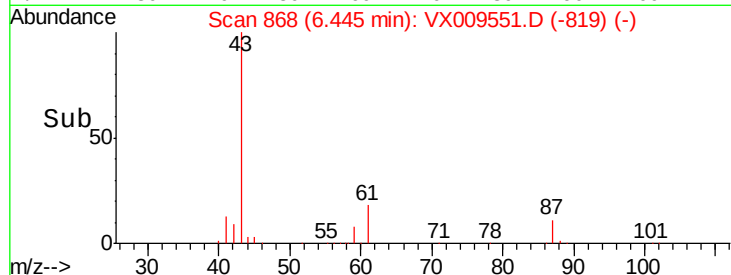
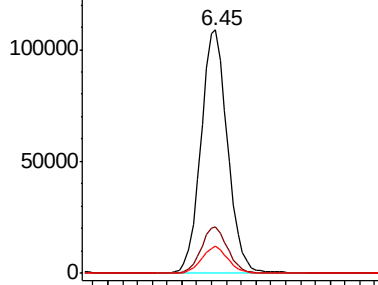
43 100

61 18.9 15.1 22.7

87 11.1 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: 51.125 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009551.D

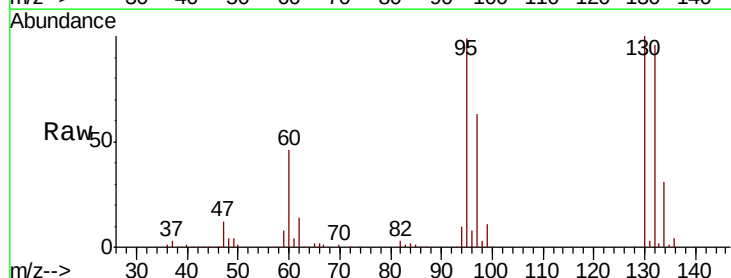
Acq: 13 May 2019 18:14

Tgt Ion:130 Resp: 90563

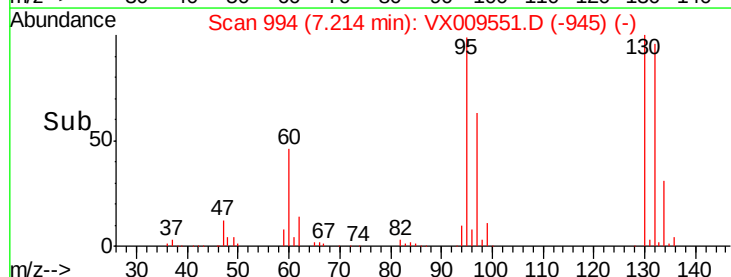
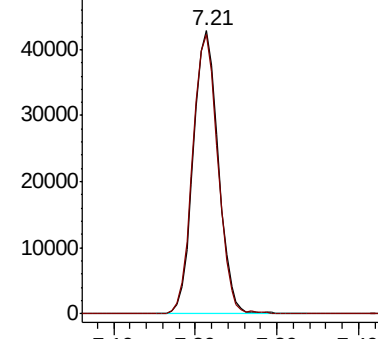
Ion Ratio Lower Upper

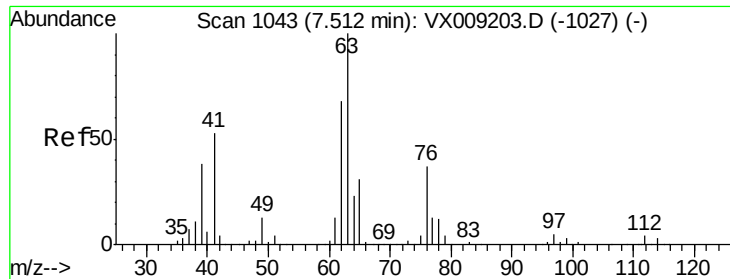
130 100

95 98.8 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: 51.252 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

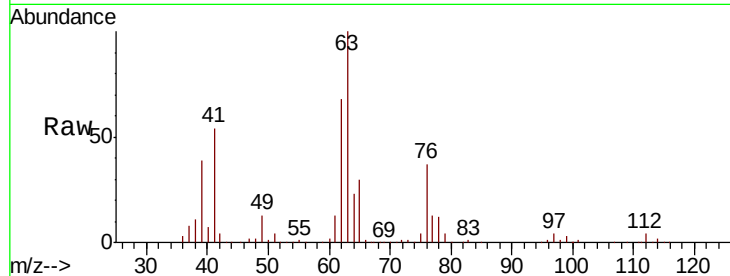
VSTDCCC050EC

Tot Ion: 63 Resp: 106337

Ion Ratio Lower Upper

63 100

65 30.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

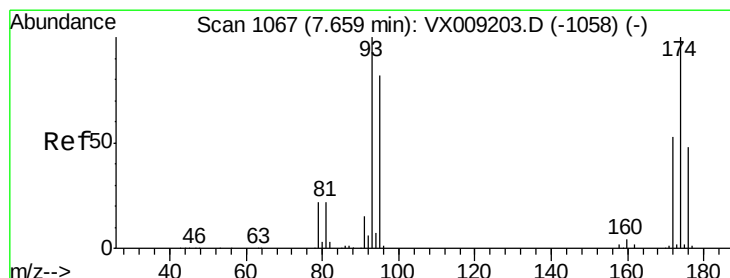
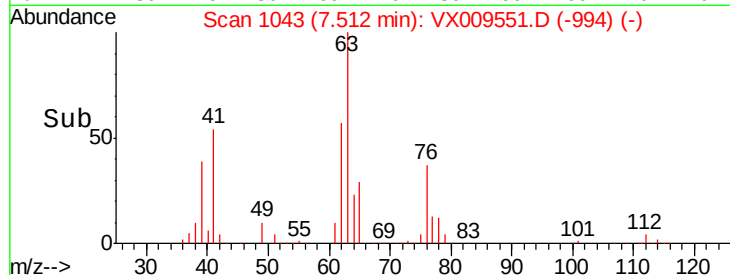
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 50.924 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

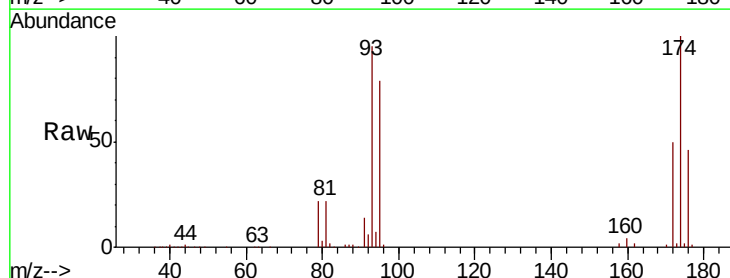
Tgt Ion: 93 Resp: 61356

Ion Ratio Lower Upper

93 100

95 82.9 66.5 99.7

174 105.9 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

40000

30000

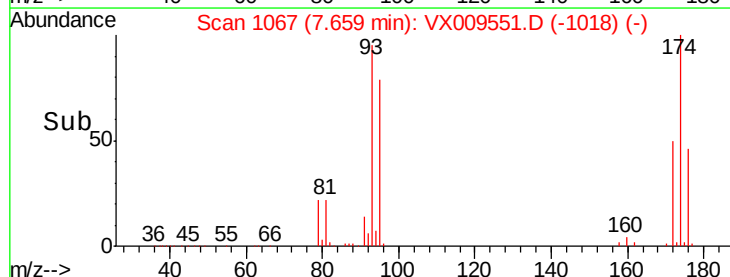
20000

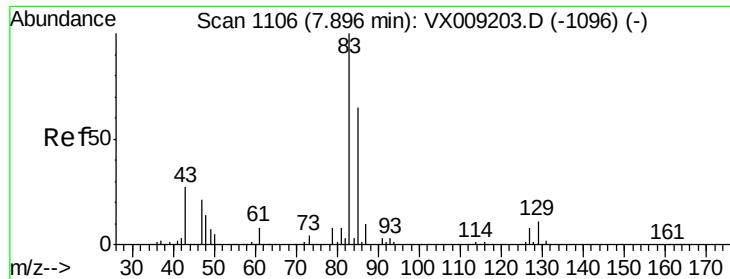
10000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 51.649 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

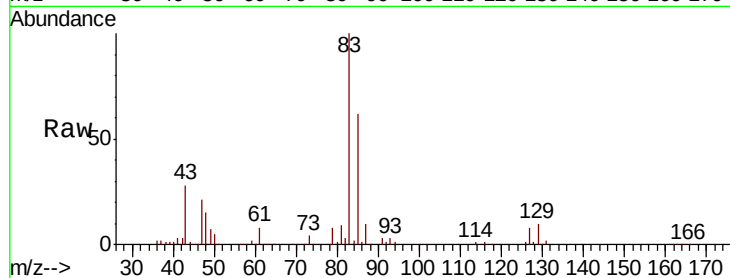
Tot Ion: 83 Resp: 124132

Ion Ratio Lower Upper

83 100

85 62.1 52.4 78.6

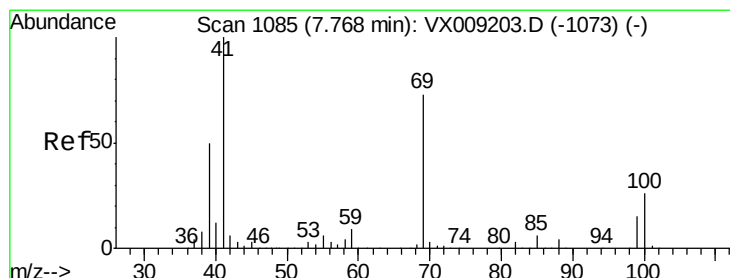
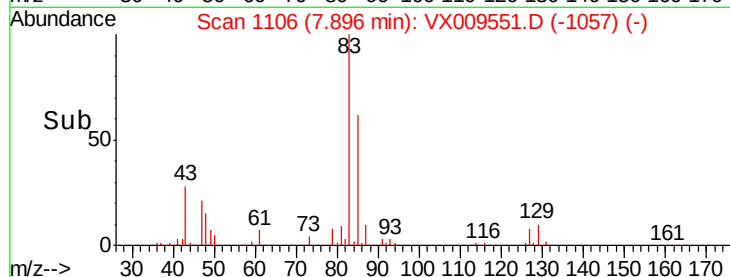
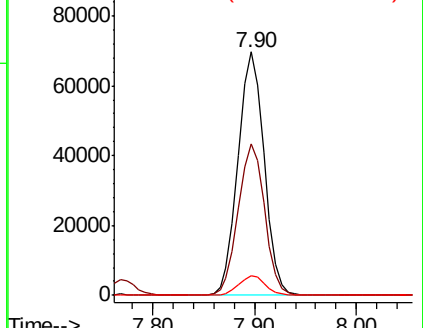
127 8.0 6.6 10.0



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: 52.108 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

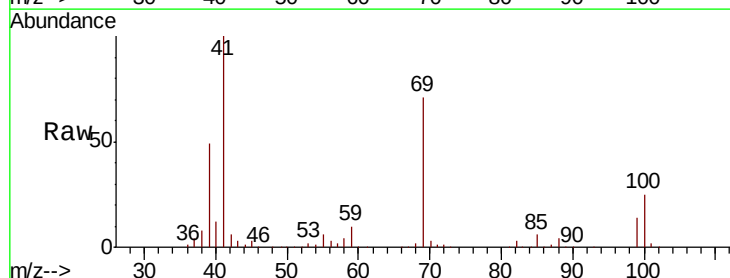
Tgt Ion: 41 Resp: 136409

Ion Ratio Lower Upper

41 100

69 72.6 59.1 88.7

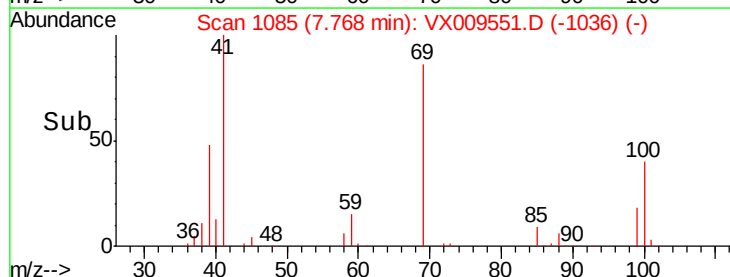
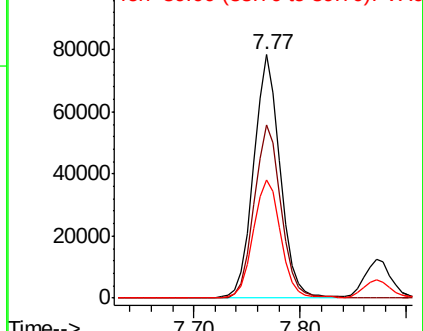
39 51.0 40.4 60.6

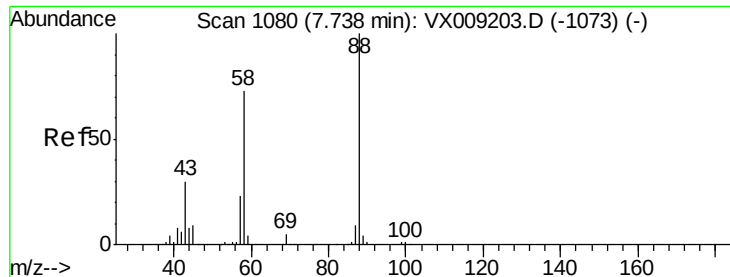


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

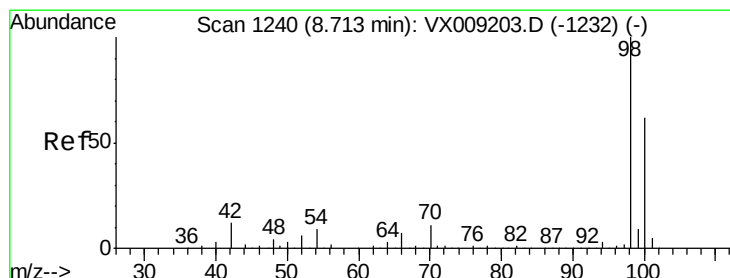
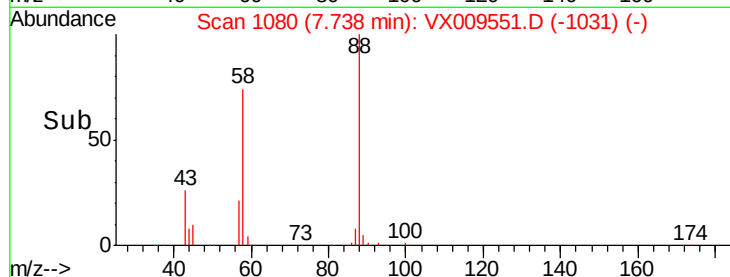
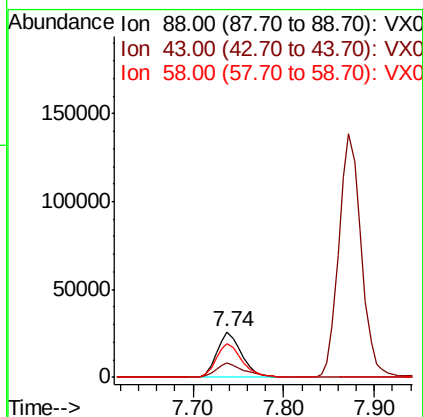
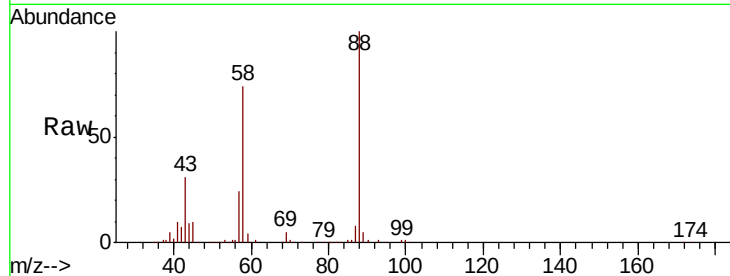




#49
1,4-Dioxane
Concen: 926.609 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

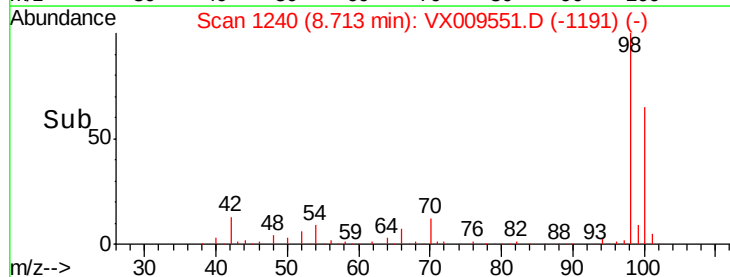
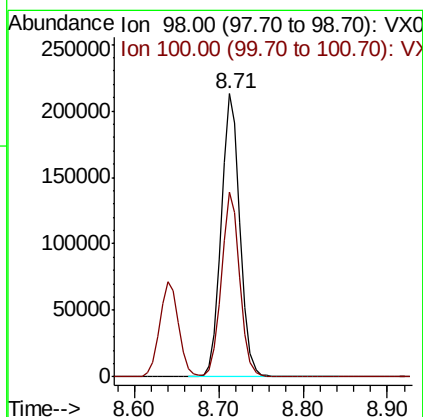
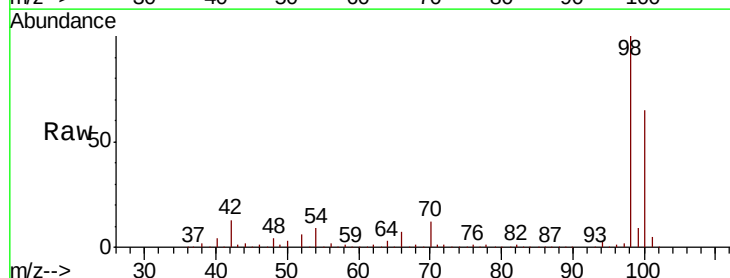
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

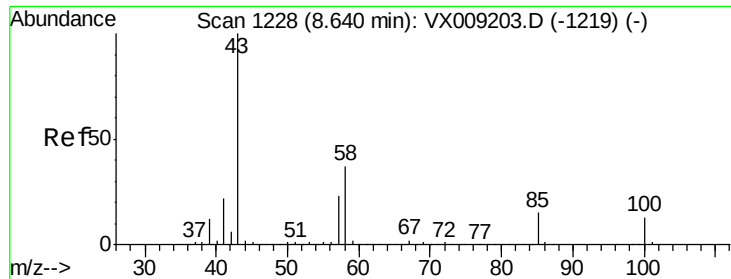
Tot Ion: 88 Resp: 49193
Ion Ratio Lower Upper
88 100
43 36.5 28.6 42.8
58 78.0 61.7 92.5



#50
Toluene-d8
Concen: 50.470 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion: 98 Resp: 326340
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 259.289 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

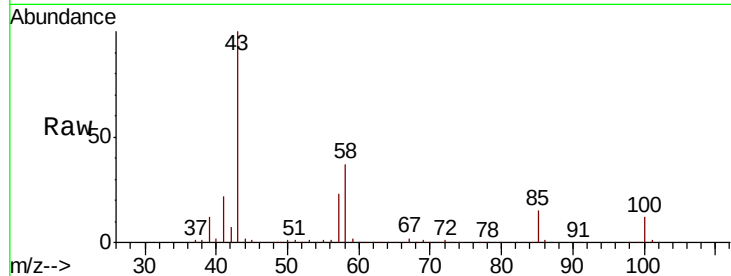
VSTDCCC050EC

Tot Ion: 43 Resp: 894256

Ion Ratio Lower Upper

43 100

58 37.0 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

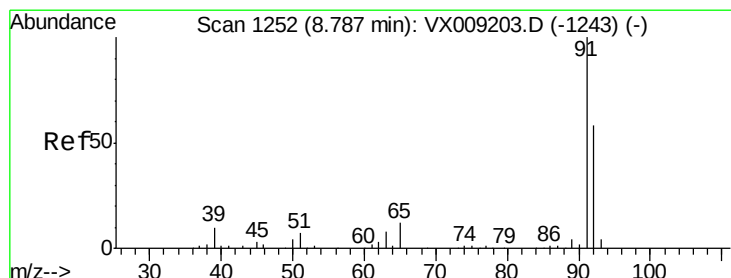
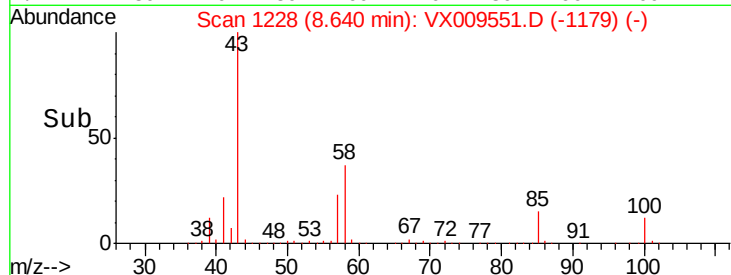
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.809 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009551.D

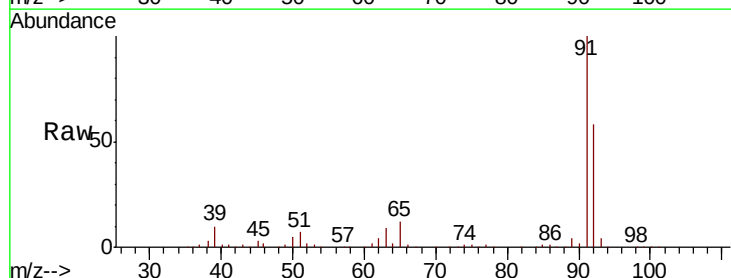
Acq: 13 May 2019 18:14

Tgt Ion: 92 Resp: 230761

Ion Ratio Lower Upper

92 100

91 173.2 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

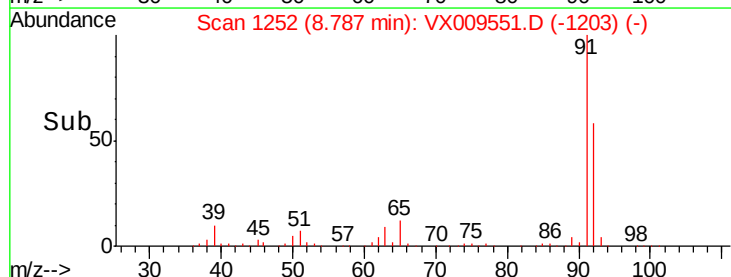
150000

100000

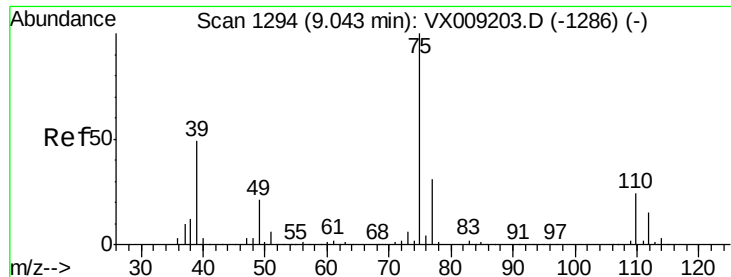
50000

0

Time-->



8.79



#53

t-1,3-Dichloropropene

Concen: 52.586 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

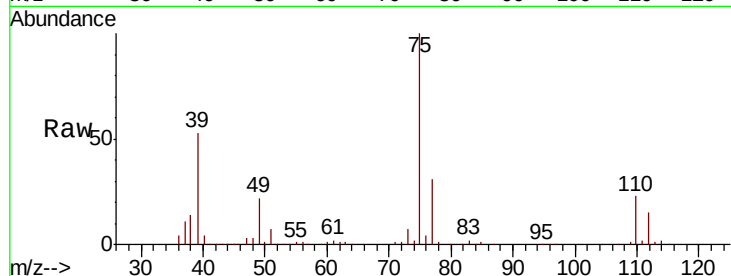
VSTDCCC050EC

Tot Ion: 75 Resp: 142687

Ion Ratio Lower Upper

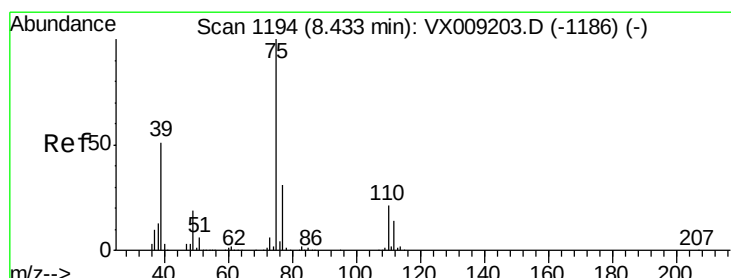
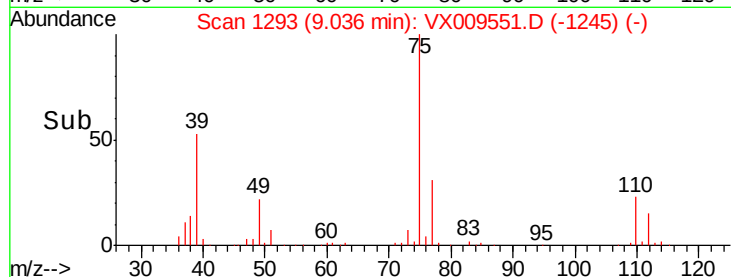
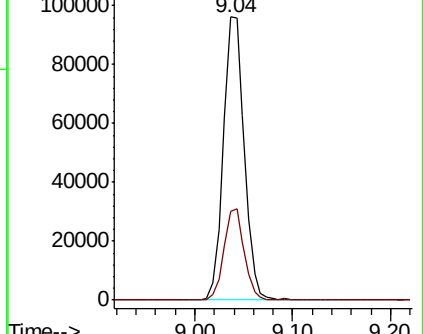
75 100

77 31.4 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 52.714 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

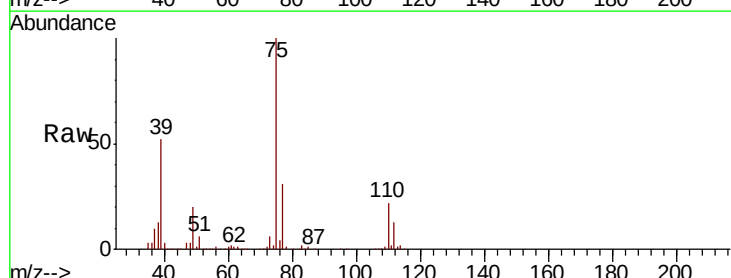
Tgt Ion: 75 Resp: 158320

Ion Ratio Lower Upper

75 100

77 31.0 24.6 36.8

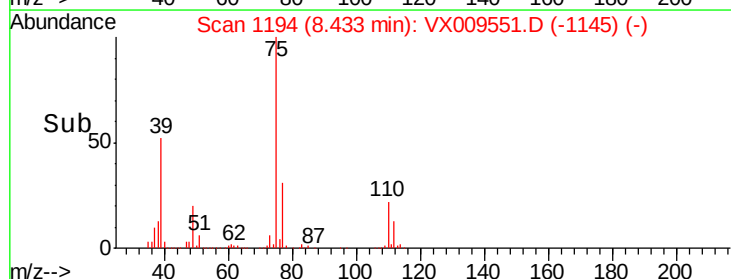
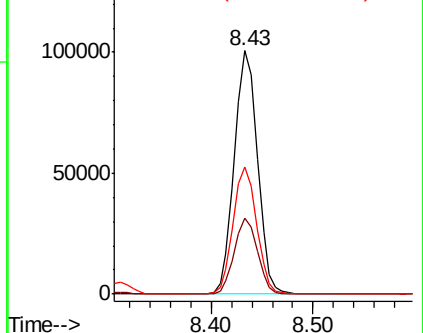
39 52.2 40.6 60.8

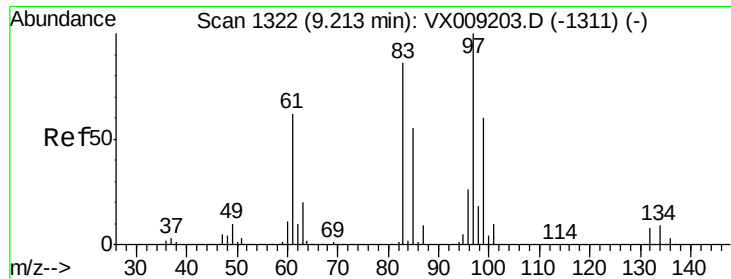


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

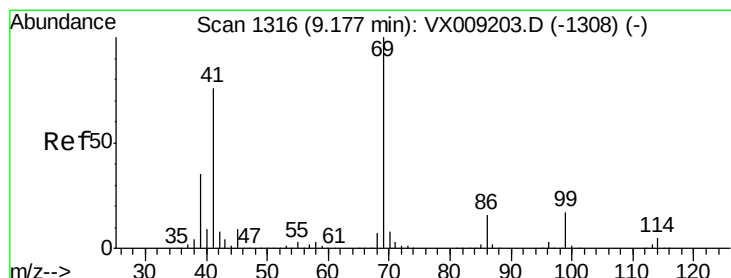
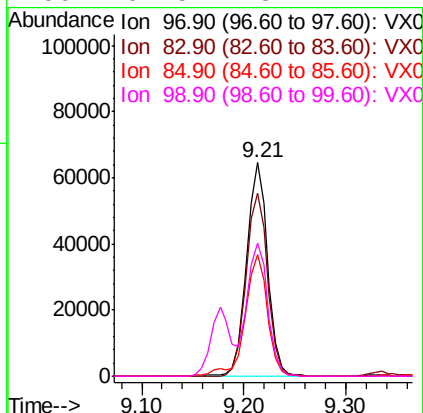
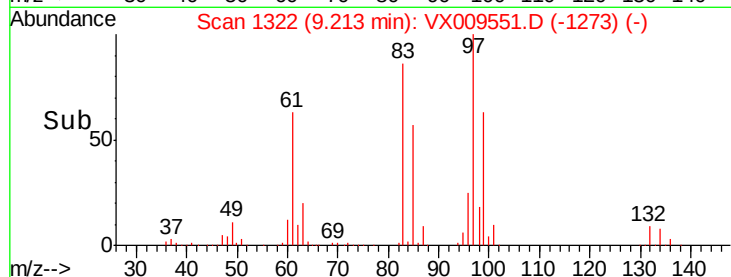
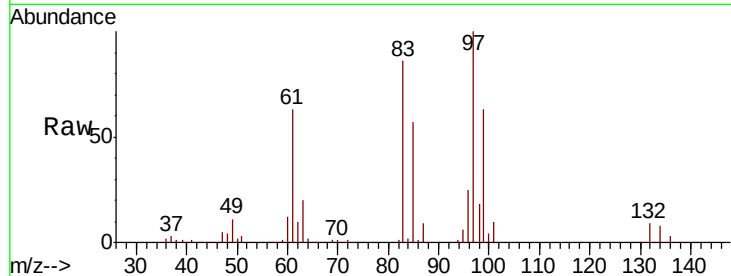




#55
 1,1,2-Trichloroethane
 Concen: 51.132 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

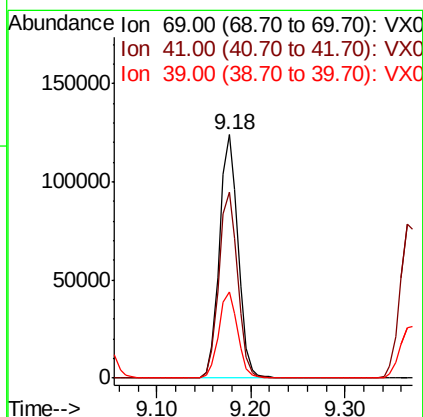
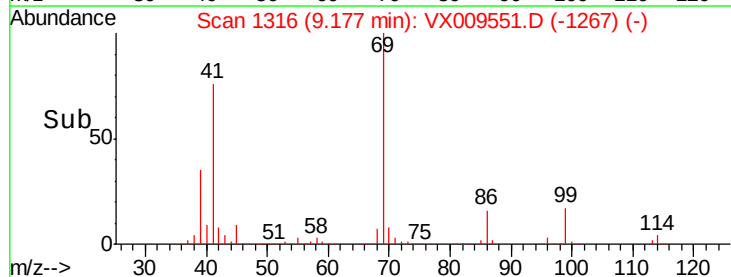
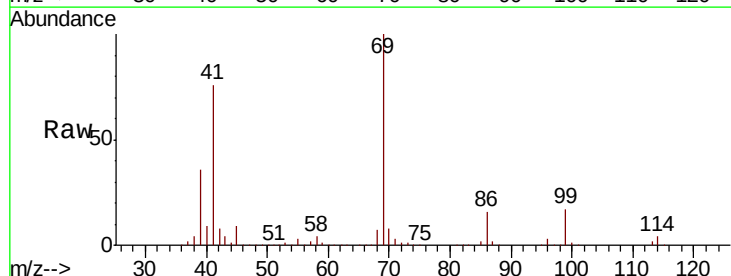
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

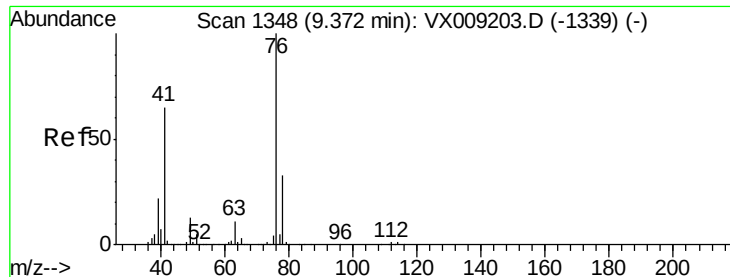
Tot Ion:	97	Resp:	92914
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.9	103.3
85	57.1	43.8	65.6
99	62.5	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 52.422 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion:	69	Resp:	170040
Ion	Ratio	Lower	Upper
69	100		
41	77.0	60.6	90.8
39	35.7	28.2	42.4

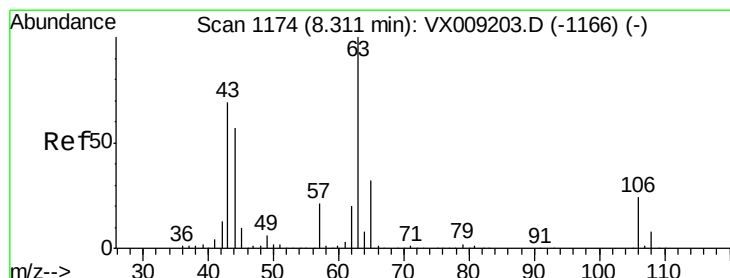
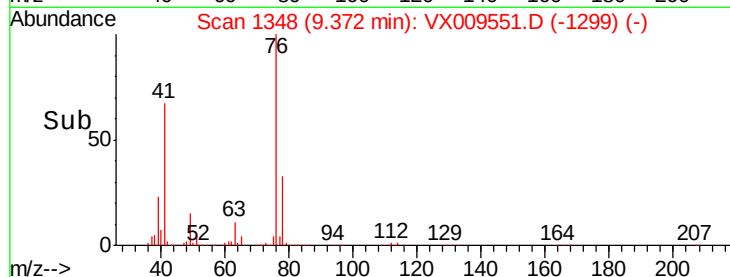
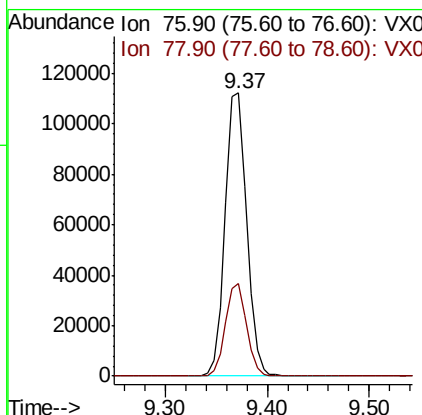
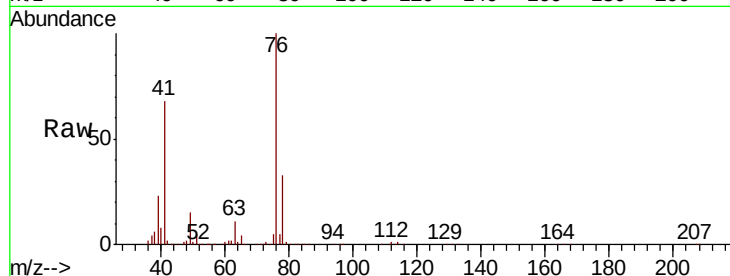




#57
 1,3-Dichloropropane
 Concen: 51.521 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

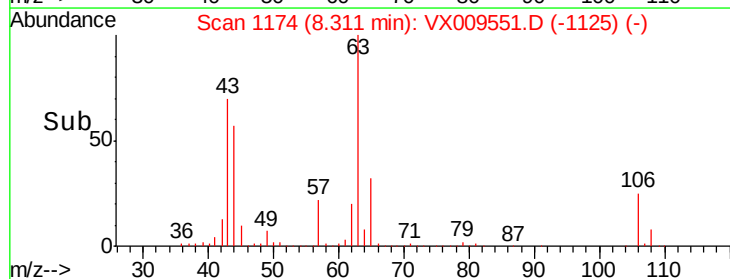
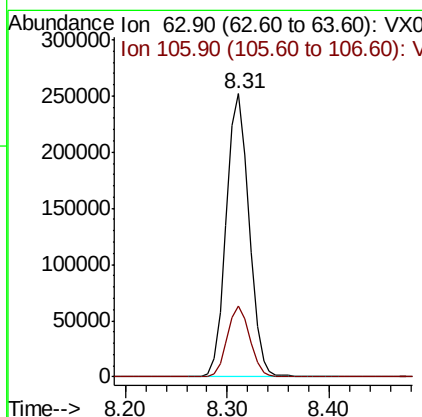
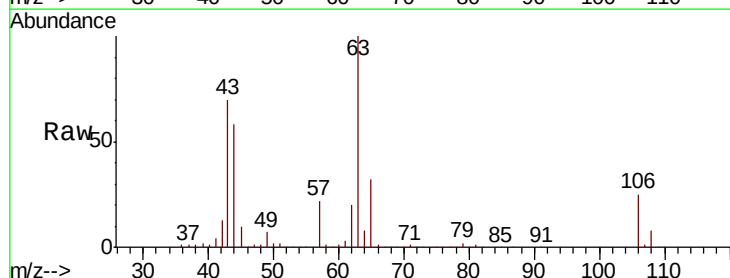
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

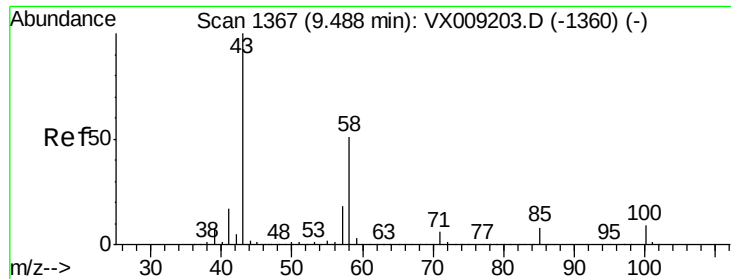
Tot Ion: 76 Resp: 164750
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.585 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion: 63 Resp: 389900
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.7 29.5

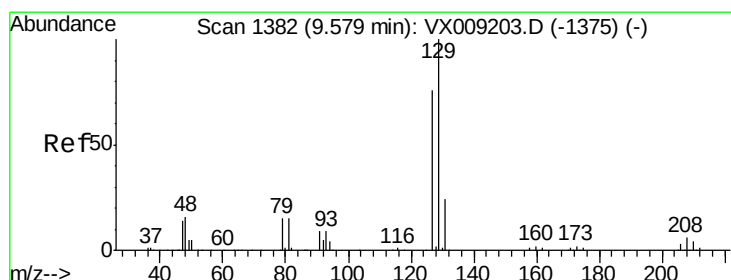
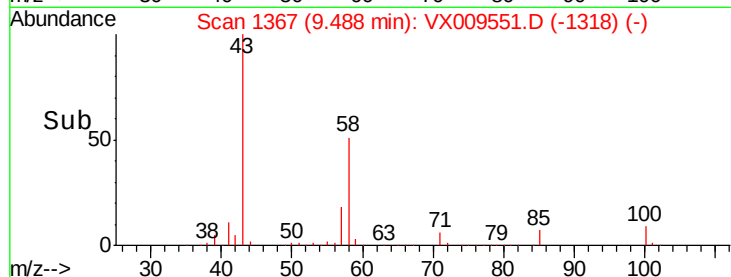
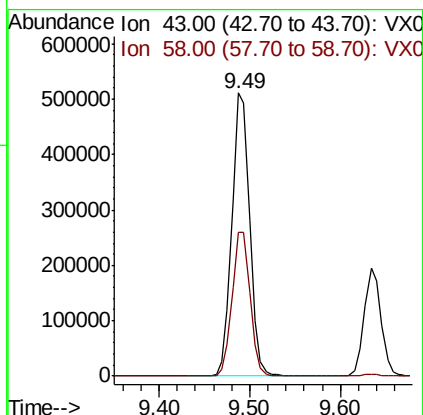
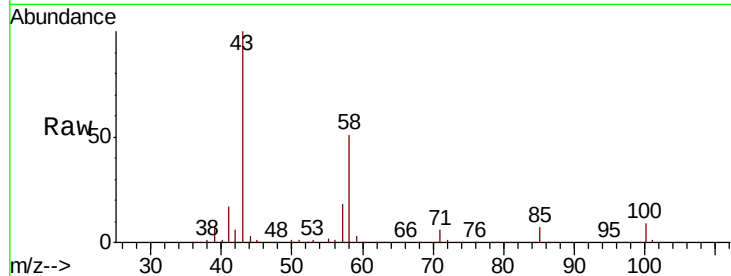




#59
2-Hexanone
Concen: 256.453 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

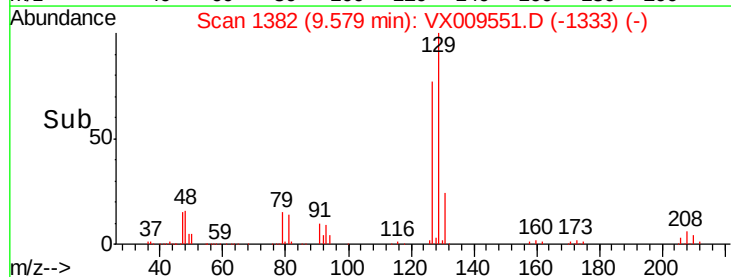
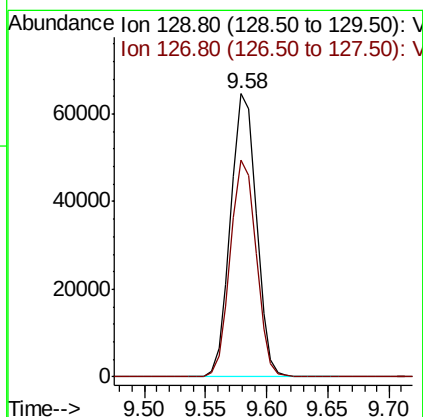
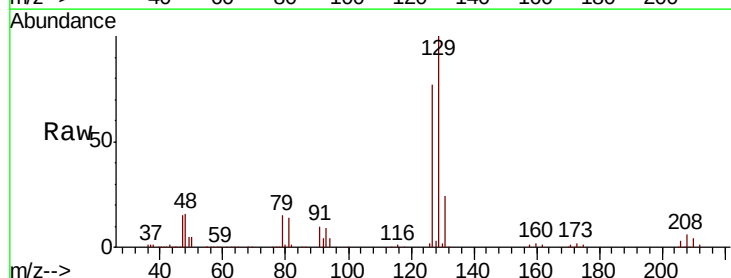
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

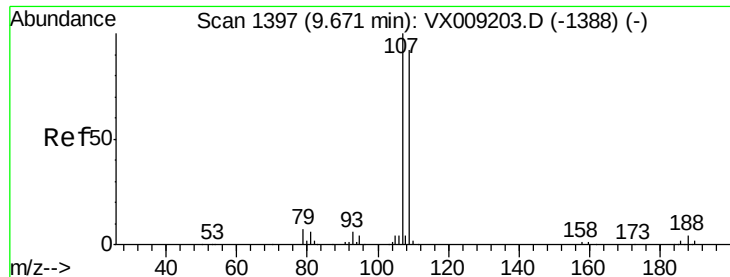
Tot Ion: 43 Resp: 694655
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.7



#60
Dibromochloromethane
Concen: 53.274 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion: 129 Resp: 94549
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 51.844 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

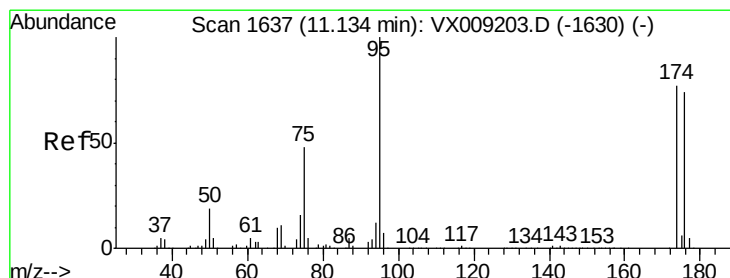
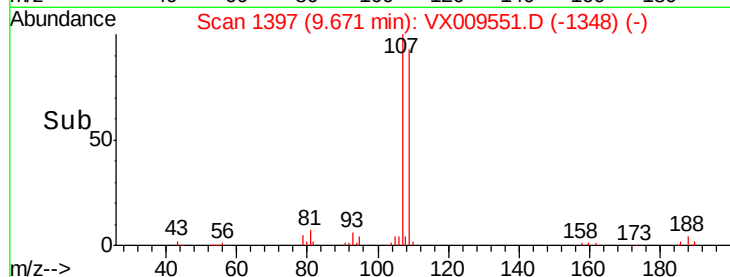
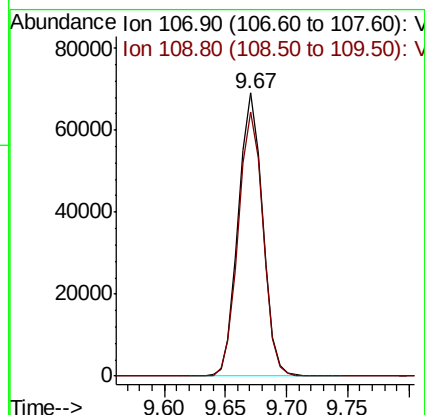
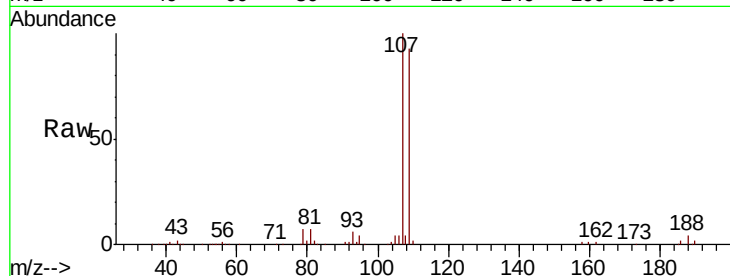
VSTDCCC050EC

Tot Ion:107 Resp: 95096

Ion Ratio Lower Upper

107 100

109 94.7 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 51.402 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

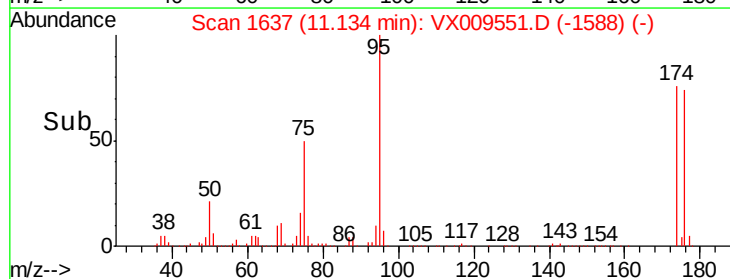
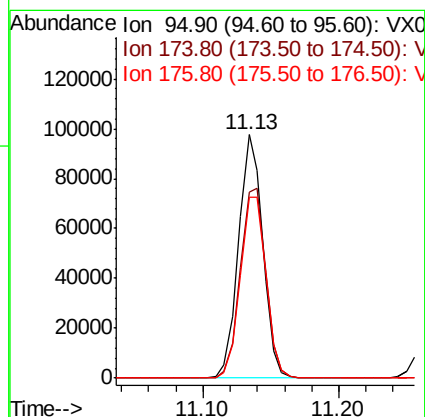
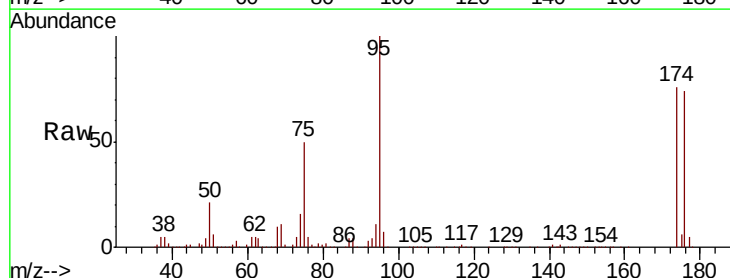
Tgt Ion: 95 Resp: 120768

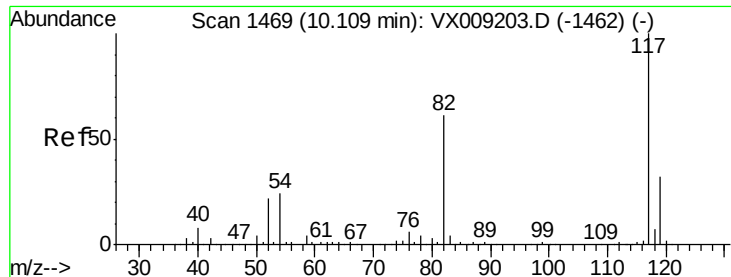
Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

176 79.6 0.0 159.2

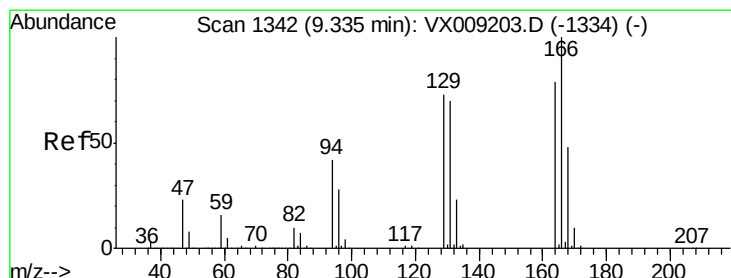
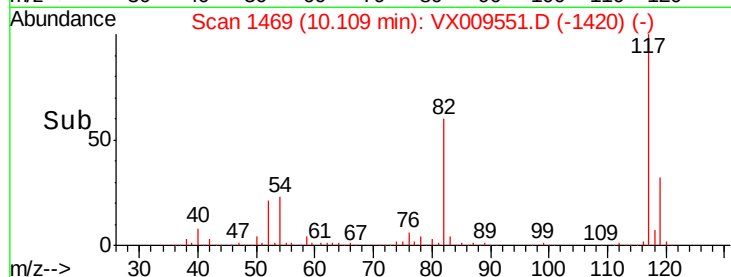
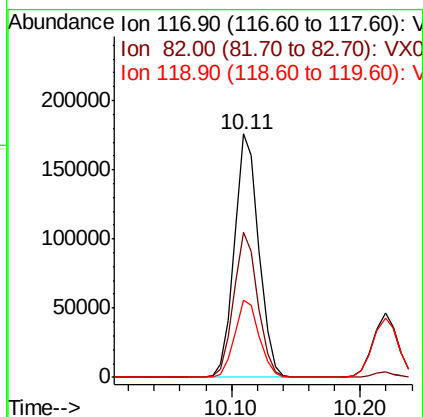
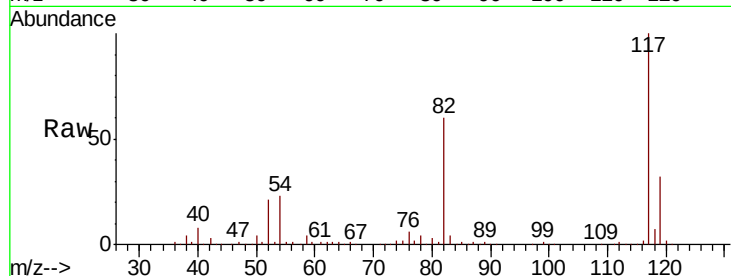




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

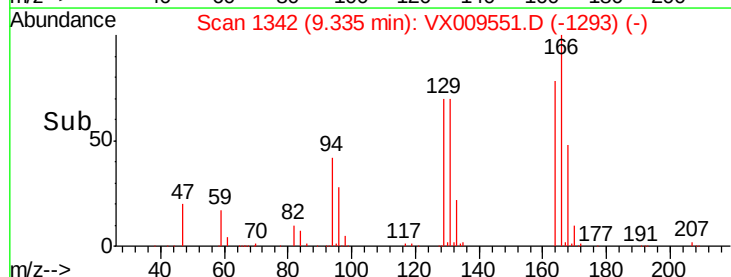
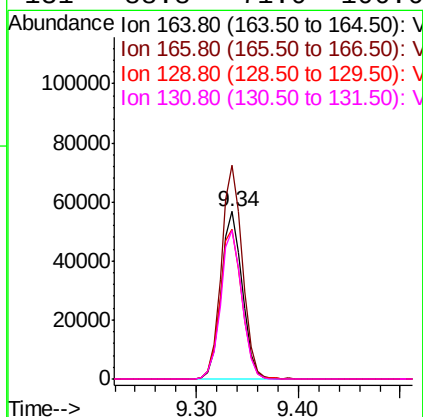
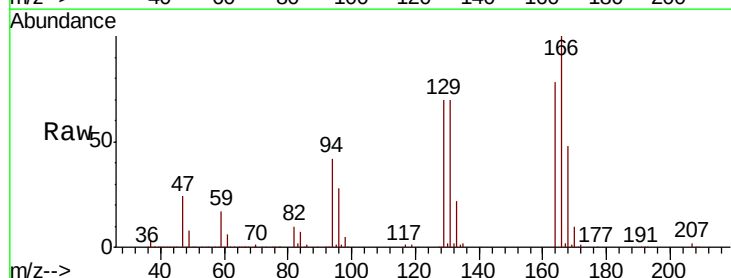
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

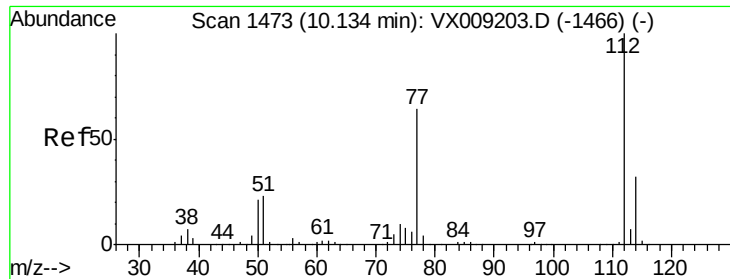
Tot Ion:117 Resp: 232434
Ion Ratio Lower Upper
117 100
82 59.6 48.8 73.2
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 51.223 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion:164 Resp: 81670
Ion Ratio Lower Upper
164 100
166 127.5 101.2 151.8
129 89.7 74.3 111.5
131 88.8 71.0 106.6

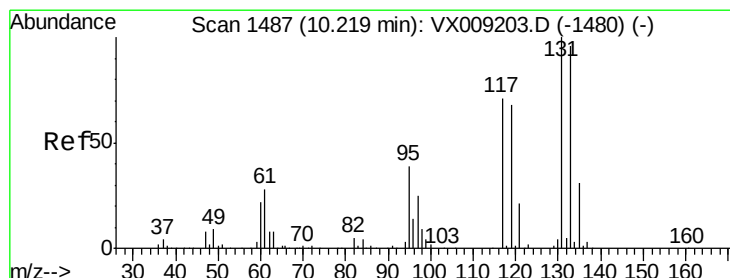
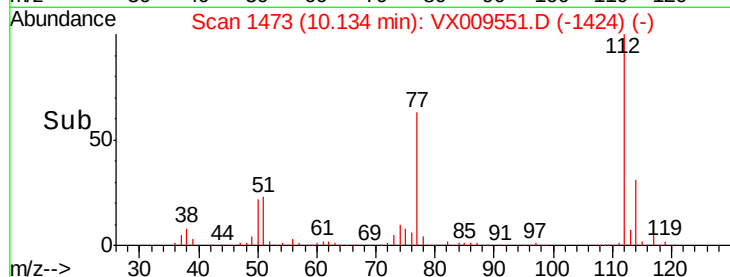
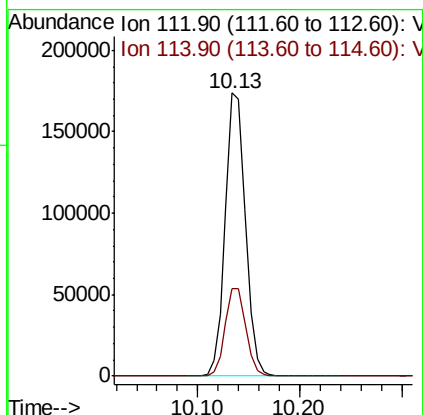
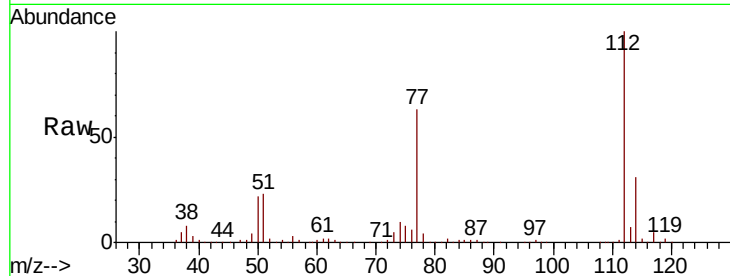




#65
Chlorobenzene
Concen: 51.323 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

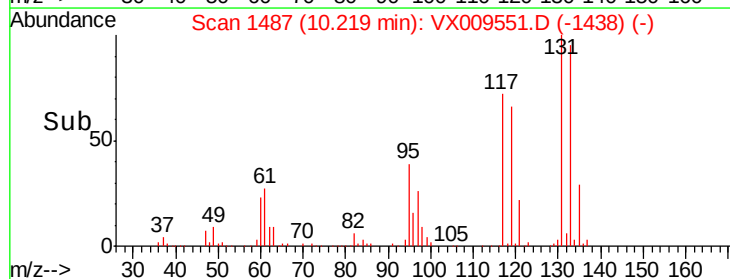
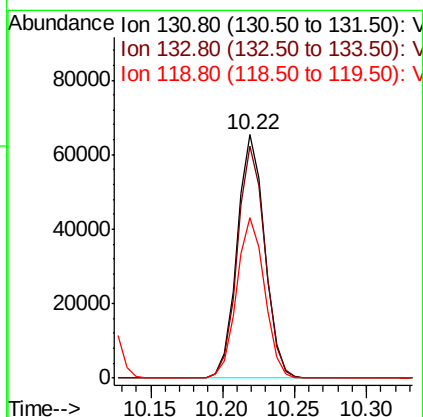
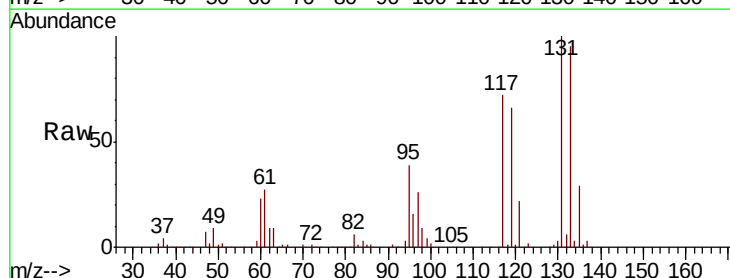
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

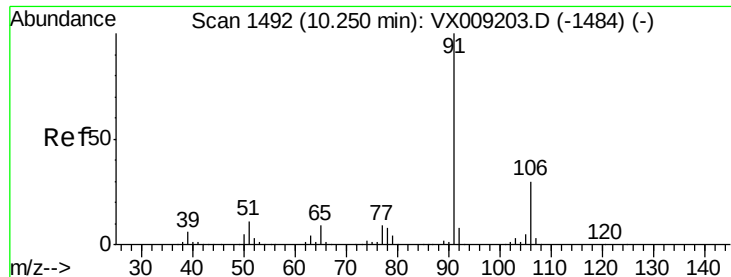
Tot Ion:112 Resp: 238638
Ion Ratio Lower Upper
112 100
114 31.1 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.490 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion:131 Resp: 86797
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 67.1 33.5 100.4





#67

Ethyl Benzene

Concen: 51.862 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

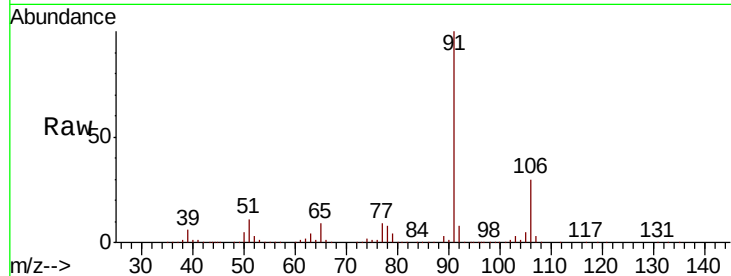
VSTDCCC050EC

Tot Ion: 91 Resp: 443797

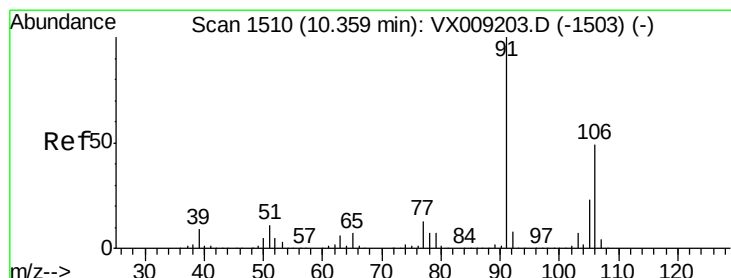
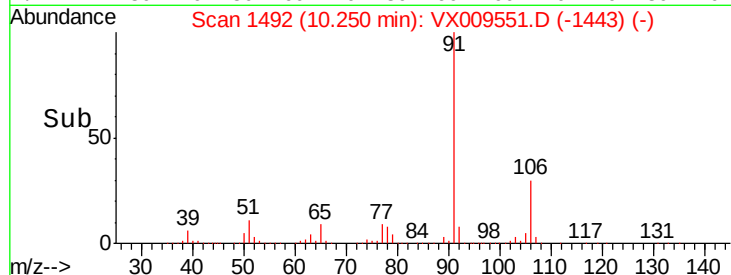
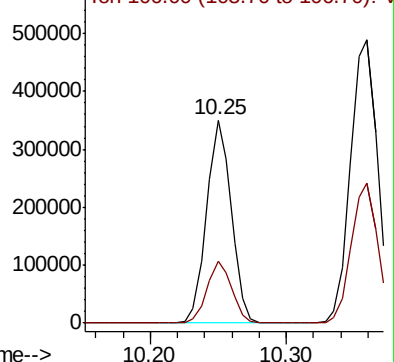
Ion Ratio Lower Upper

91 100

106 30.5 24.0 36.0



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



#68

m/p-Xylenes

Concen: 104.558 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009551.D

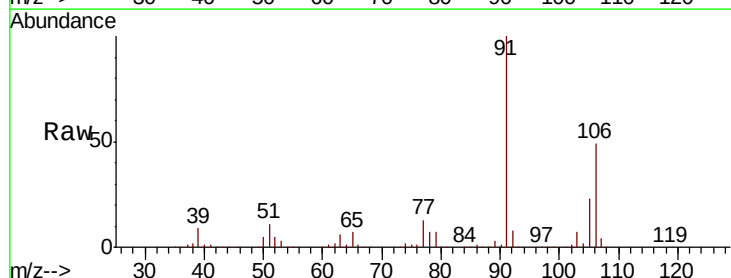
Acq: 13 May 2019 18:14

Tgt Ion: 106 Resp: 326962

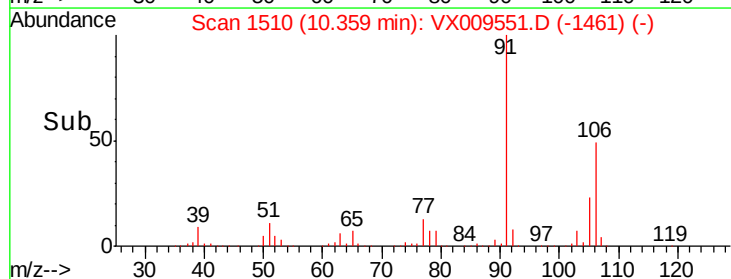
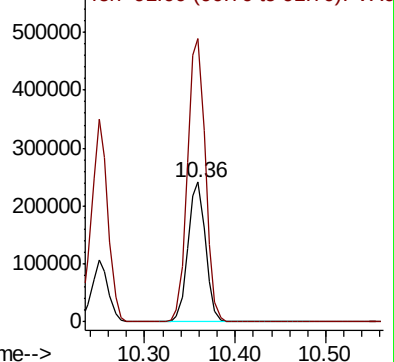
Ion Ratio Lower Upper

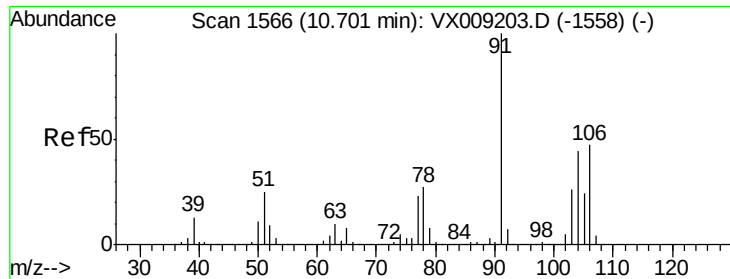
106 100

91 207.2 164.0 246.0



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

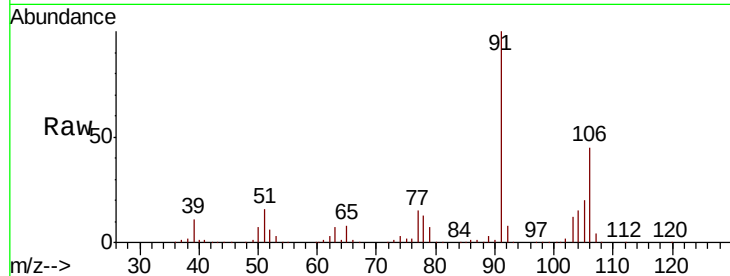




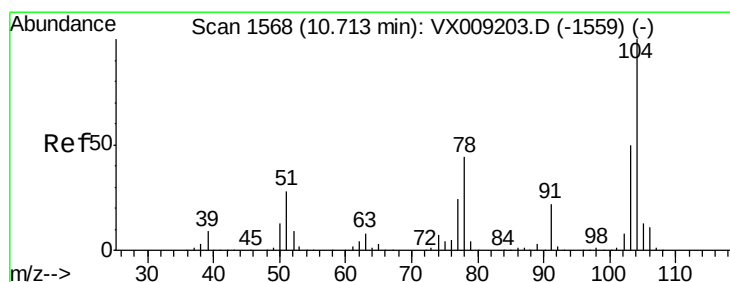
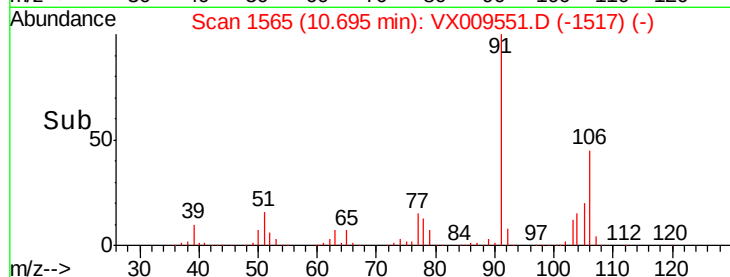
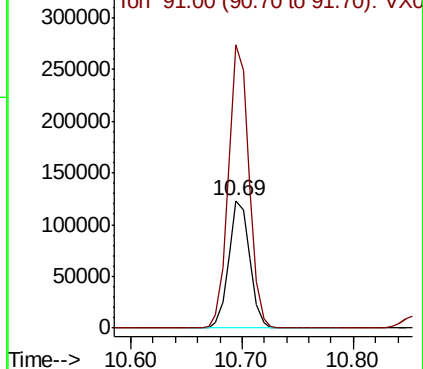
#69
o-Xylene
Concen: 51.826 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 159902
Ion Ratio Lower Upper
106 100
91 218.3 109.5 328.4

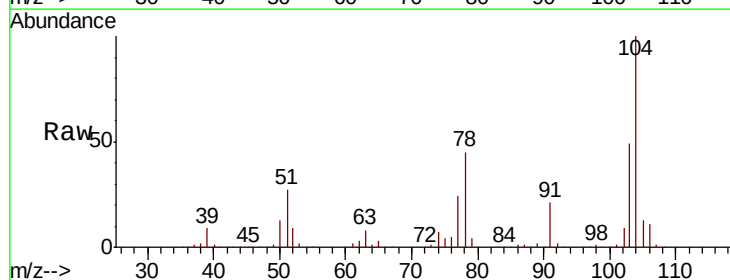


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

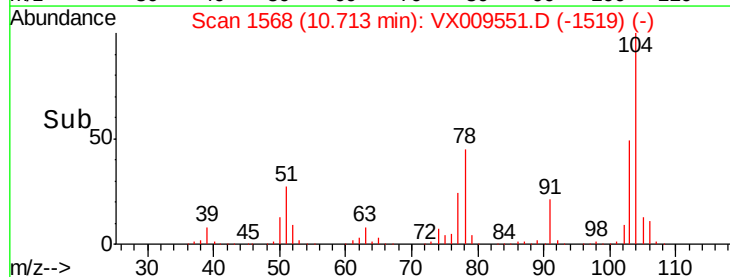
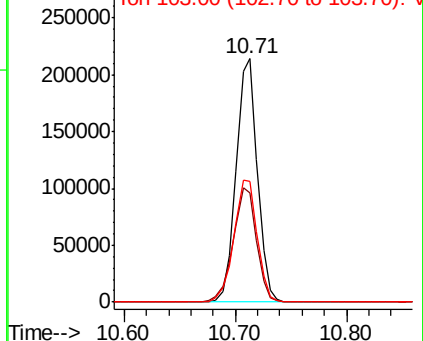


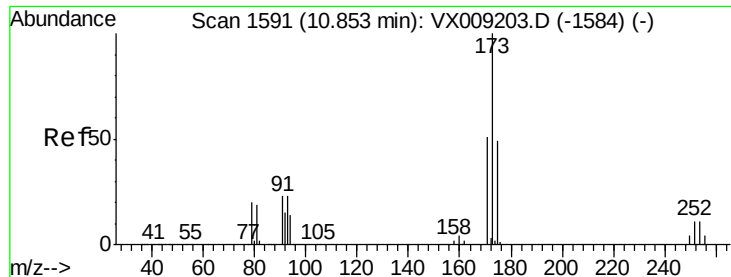
#70
Styrene
Concen: 52.551 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion:104 Resp: 281809
Ion Ratio Lower Upper
104 100
78 51.5 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: 53.471 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

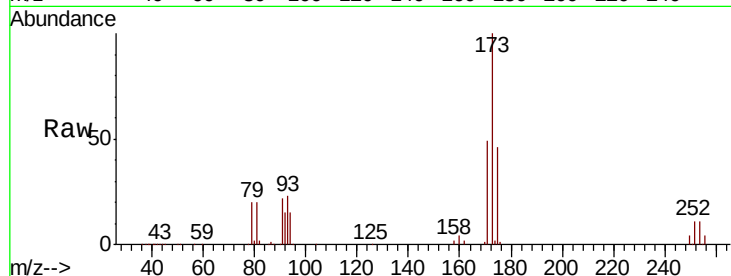
Tot Ion:173 Resp: 73250

Ion Ratio Lower Upper

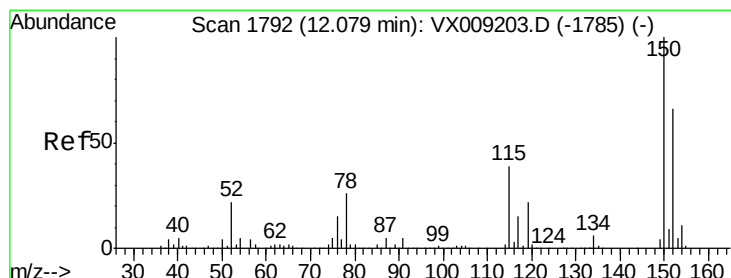
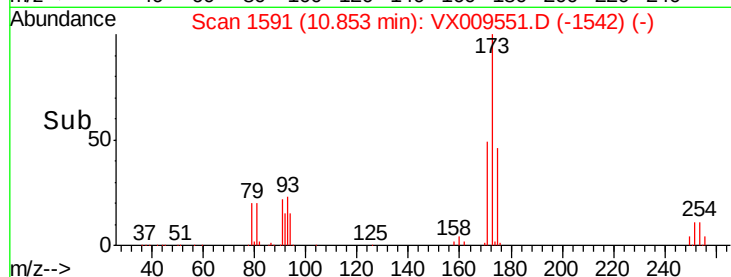
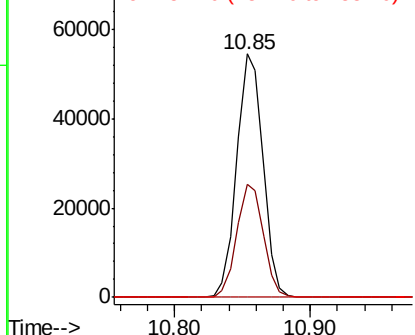
173 100

175 47.1 24.5 73.5

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

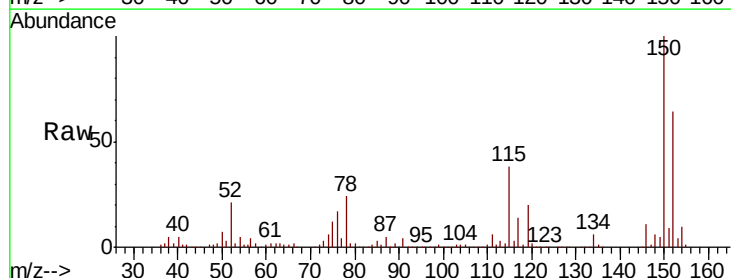
Tgt Ion:152 Resp: 116848

Ion Ratio Lower Upper

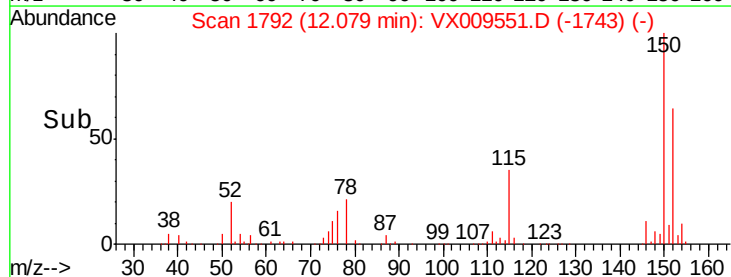
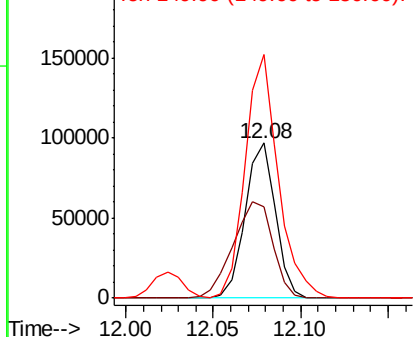
152 100

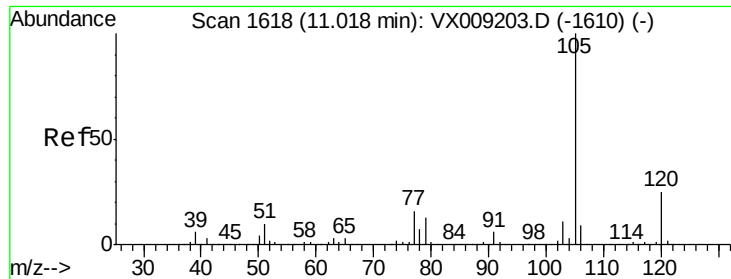
115 81.8 41.2 123.6

150 171.5 0.0 346.4



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





#73

Isopropylbenzene

Concen: 49.927 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

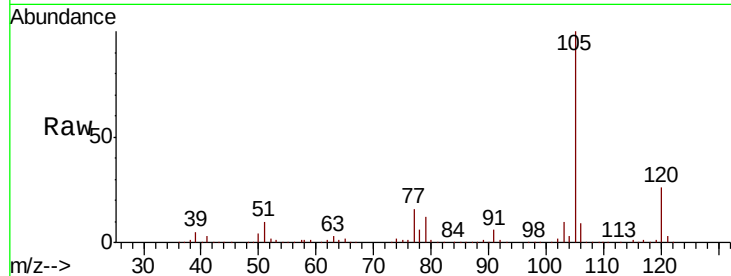
VSTDCCC050EC

Tot Ion:105 Resp: 424232

Ion Ratio Lower Upper

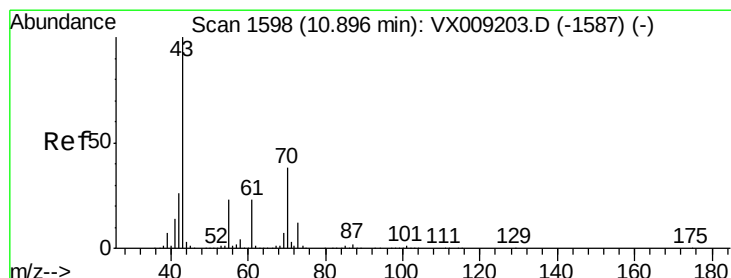
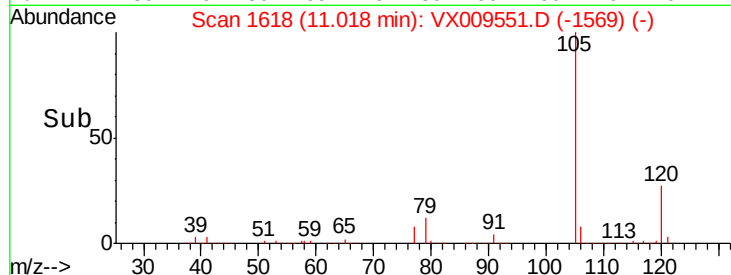
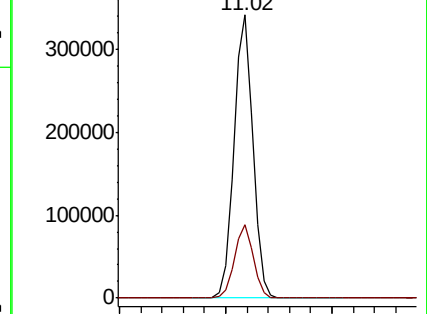
105 100

120 26.0 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: 50.323 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Tgt Ion: 43 Resp: 249294

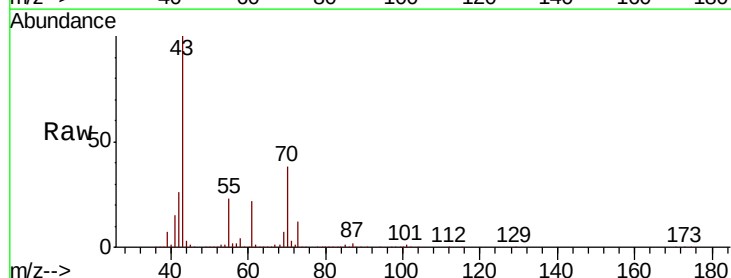
Ion Ratio Lower Upper

43 100

70 36.8 30.0 45.0

55 23.0 17.9 26.9

61 22.5 18.4 27.6

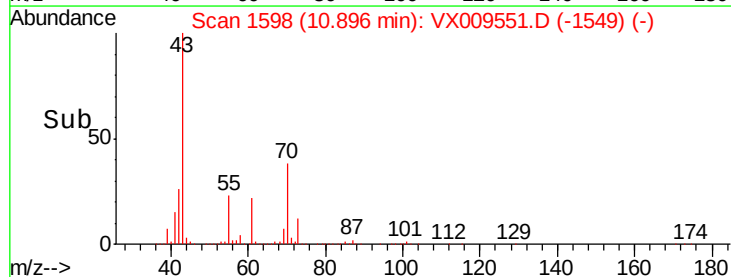
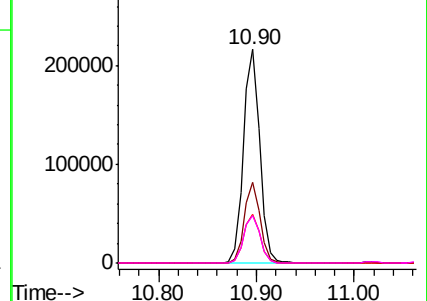


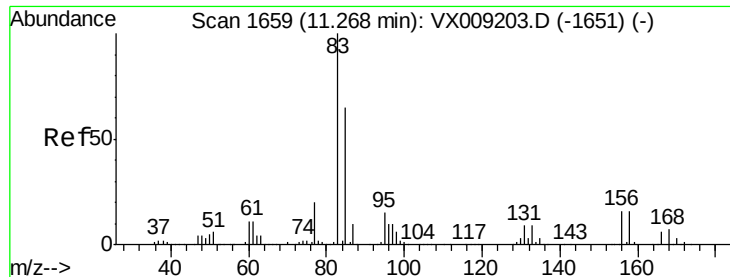
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 49.187 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

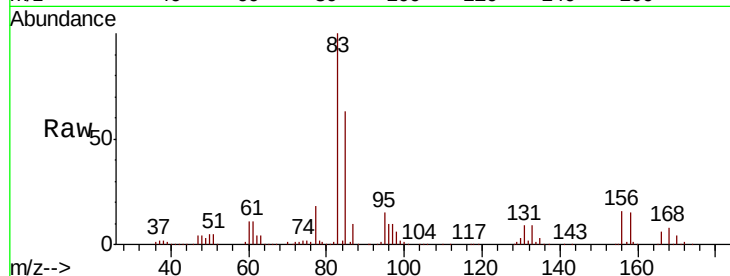
Tot Ion: 83 Resp: 155804

Ion Ratio Lower Upper

83 100

131 9.4 4.6 13.8

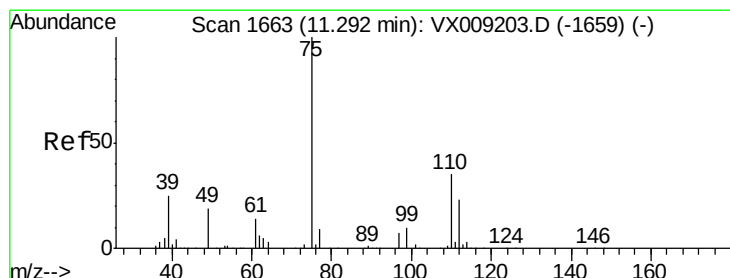
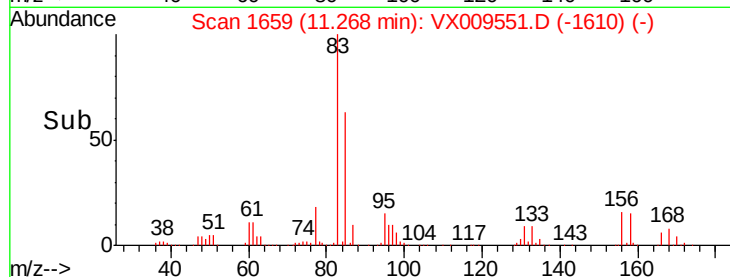
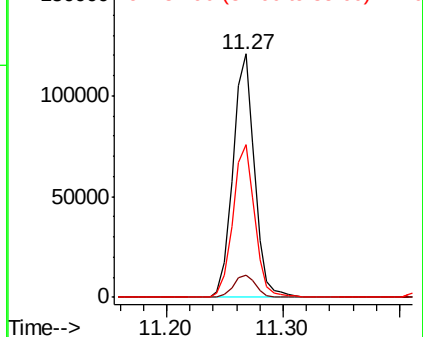
85 63.6 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 68.751 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009551.D

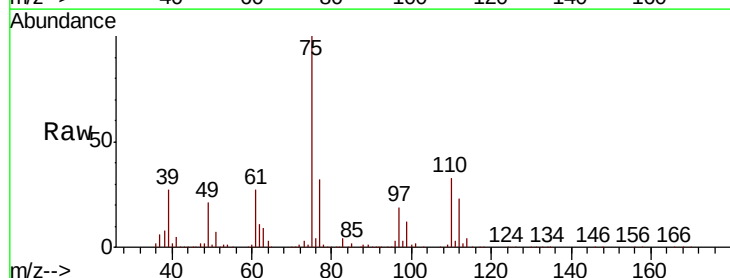
Acq: 13 May 2019 18:14

Tgt Ion: 75 Resp: 186345

Ion Ratio Lower Upper

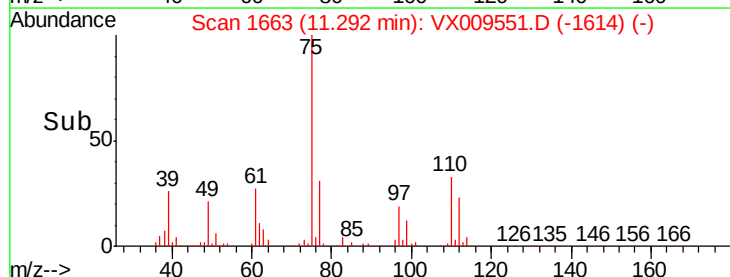
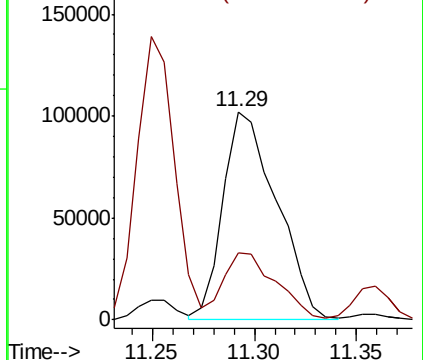
75 100

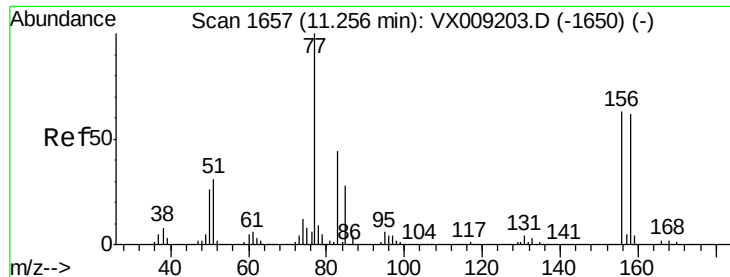
77 31.5 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.420 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

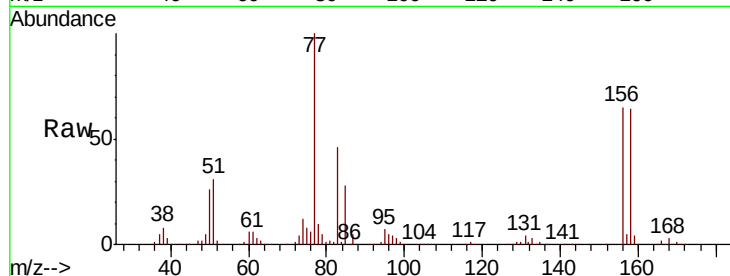
Tot Ion:156 Resp: 106335

Ion Ratio Lower Upper

156 100

77 167.2 84.8 254.3

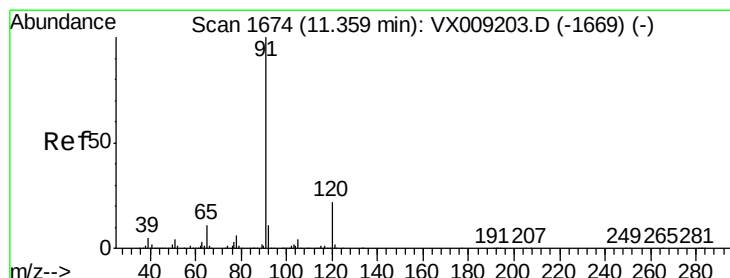
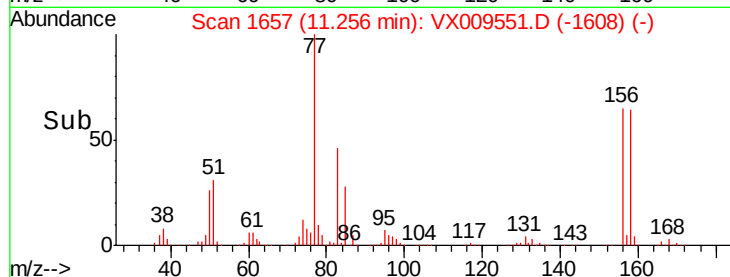
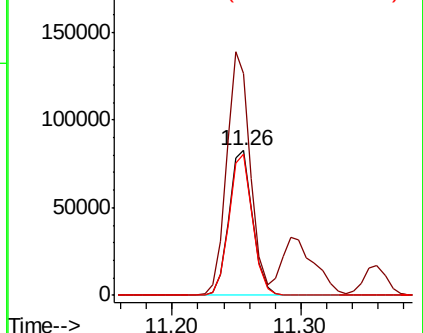
158 97.1 49.1 147.3



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: 50.924 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009551.D

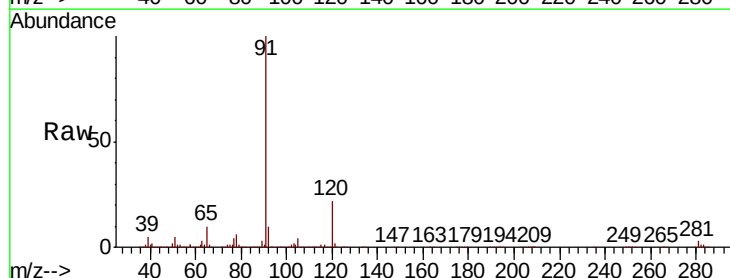
Acq: 13 May 2019 18:14

Tgt Ion: 91 Resp: 494170

Ion Ratio Lower Upper

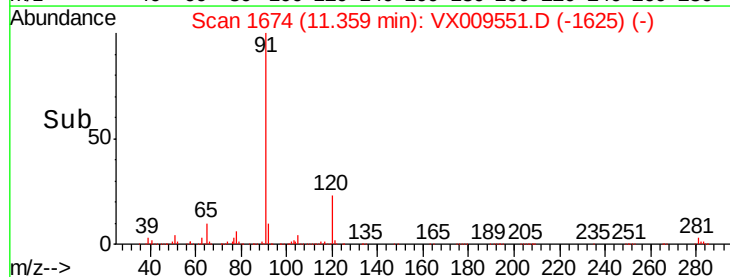
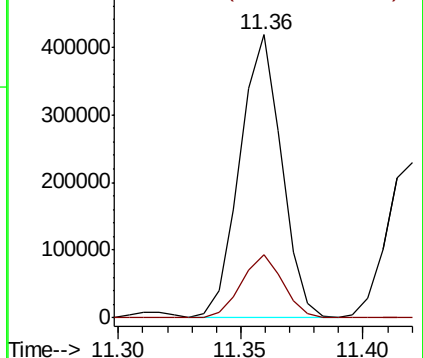
91 100

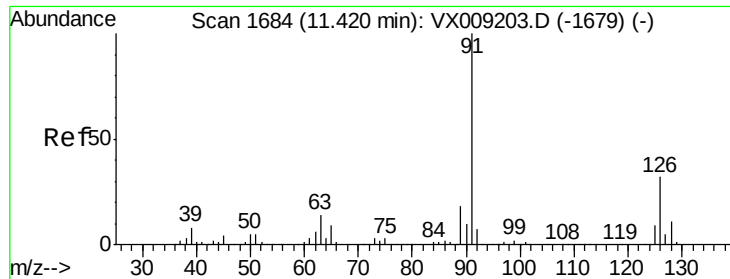
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.460 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

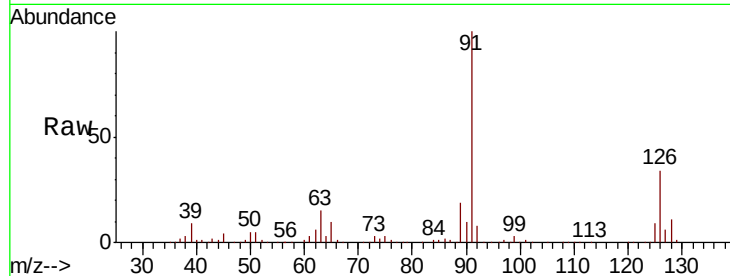
VSTDCCC050EC

Tot Ion: 91 Resp: 290128

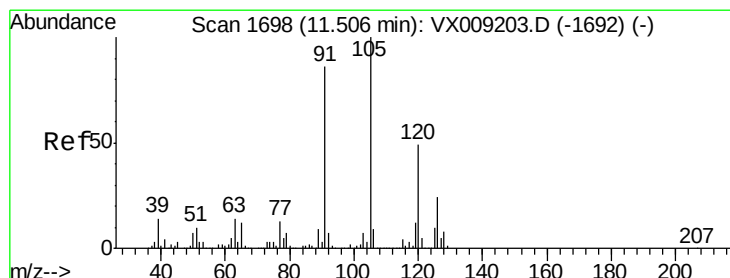
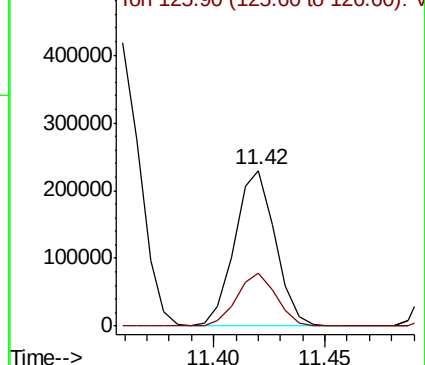
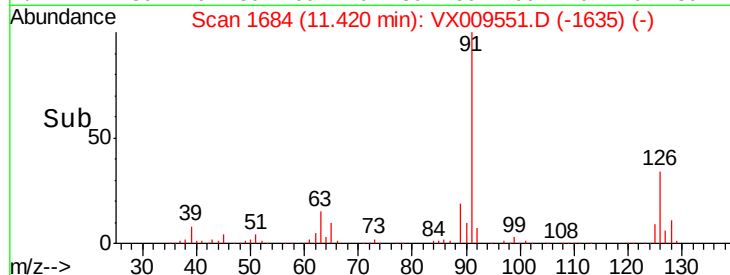
Ion Ratio Lower Upper

91 100

126 33.4 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX009551.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.576 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009551.D

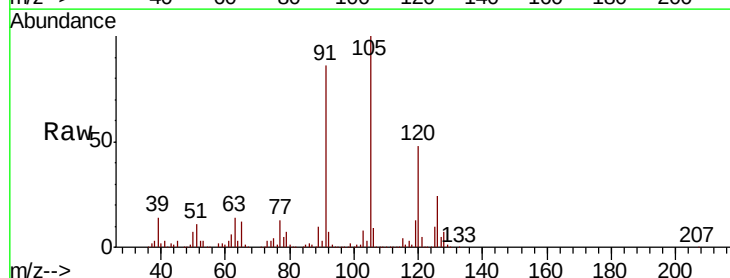
Acq: 13 May 2019 18:14

Tgt Ion:105 Resp: 361851

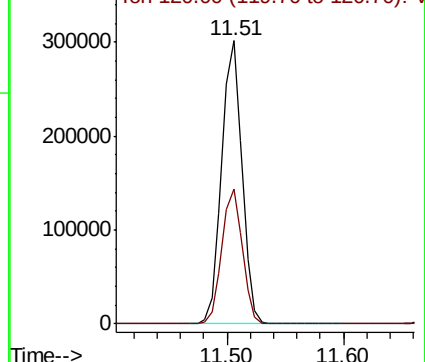
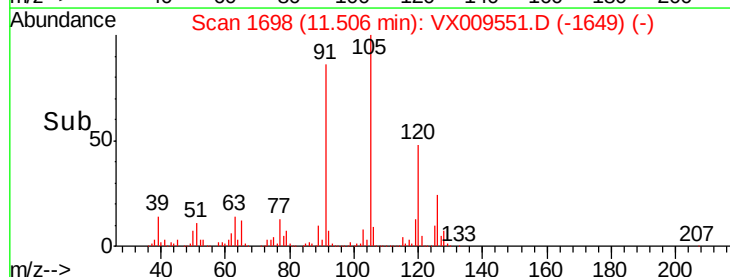
Ion Ratio Lower Upper

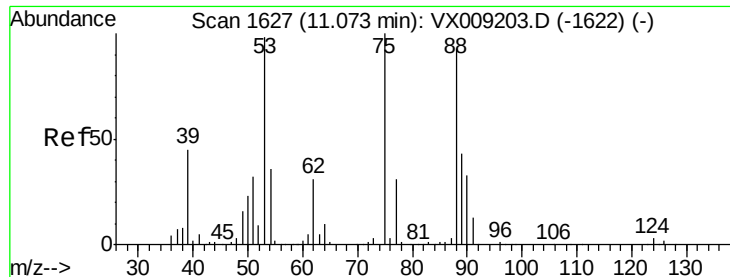
105 100

120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009551.D (-1649) (-)

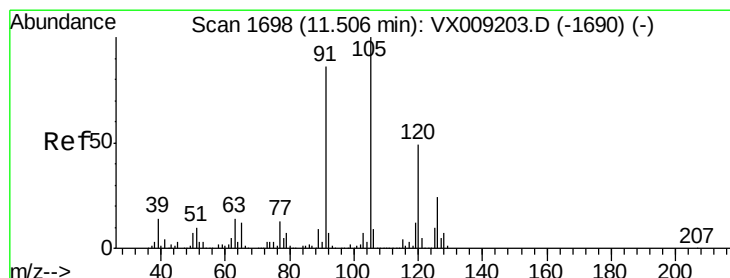
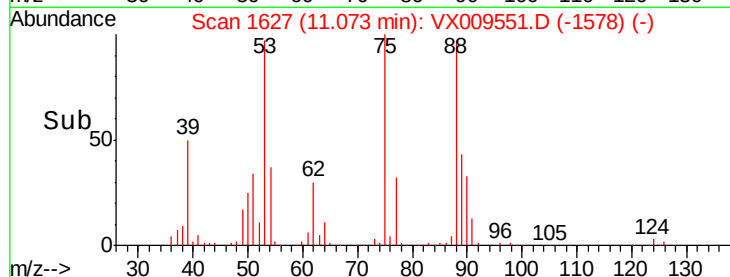
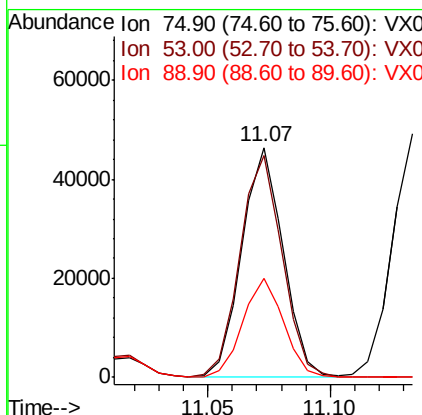
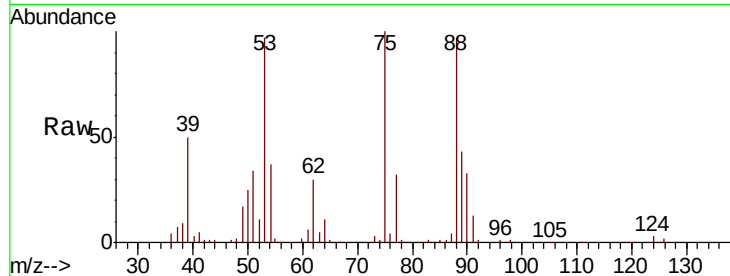




#81
trans-1,4-Dichloro-2-butene
Concen: 51.250 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

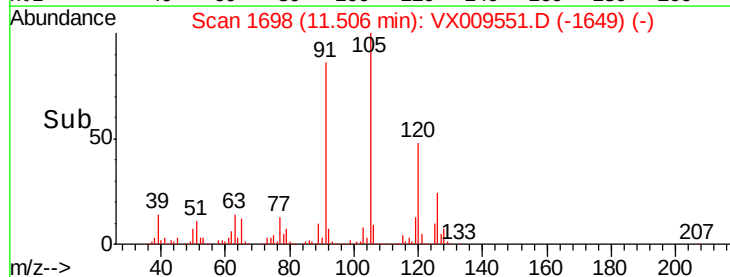
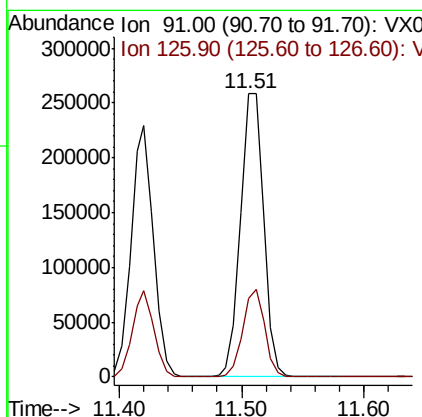
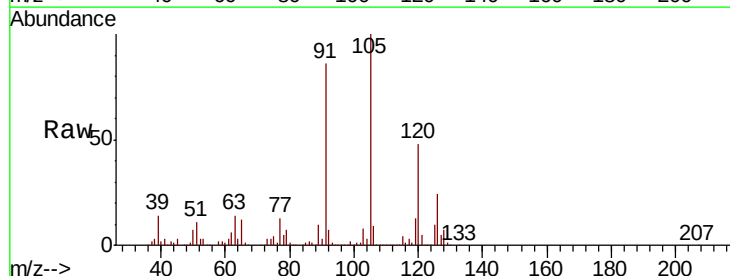
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

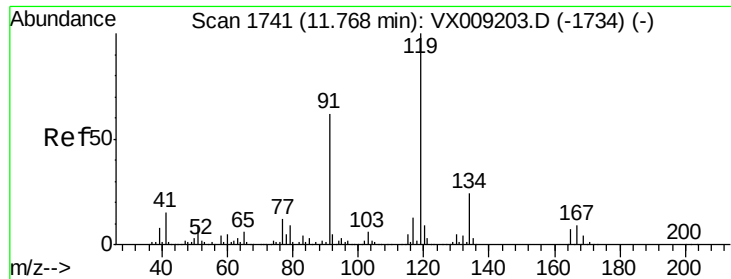
Tot Ion: 75 Resp: 54291
Ion Ratio Lower Upper
75 100
53 98.9 79.0 118.6
89 43.0 34.7 52.1



#82
4-Chlorotoluene
Concen: 49.948 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion: 91 Resp: 337825
Ion Ratio Lower Upper
91 100
126 29.3 14.5 43.6

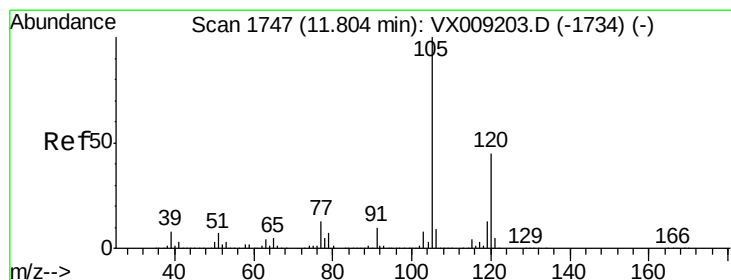
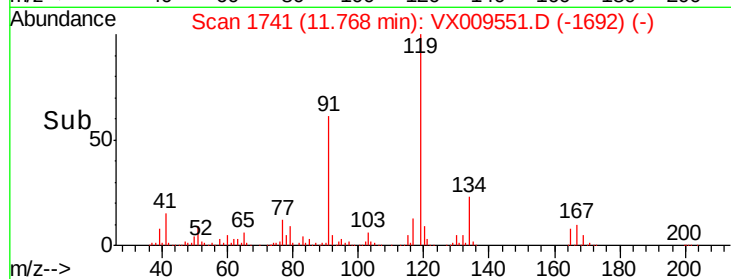
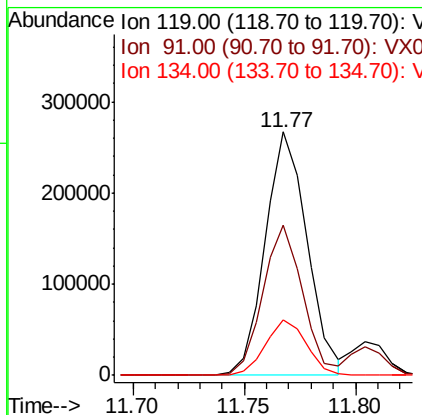
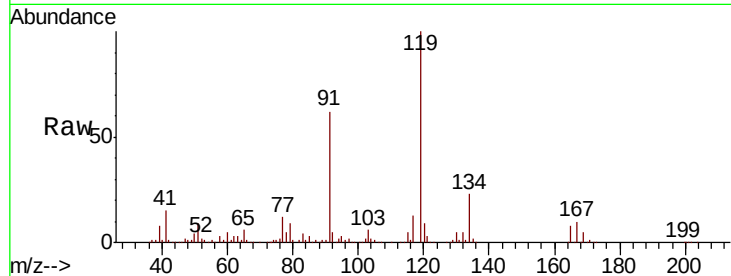




#83
 tert-Butylbenzene
 Concen: 50.102 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

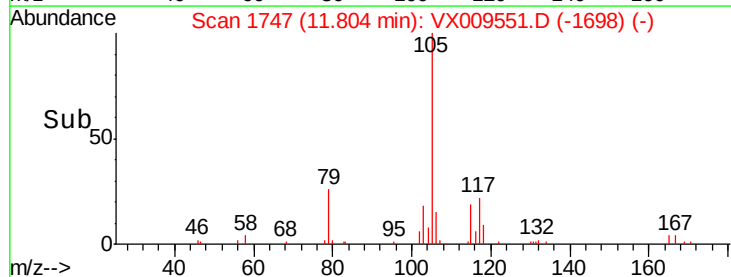
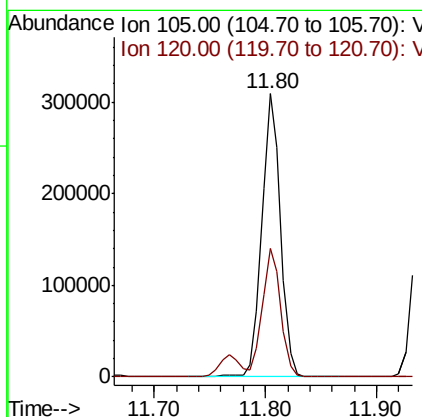
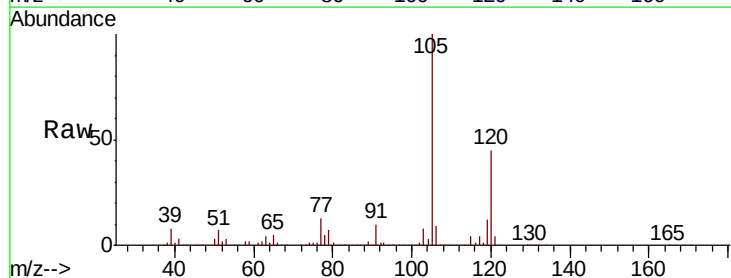
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

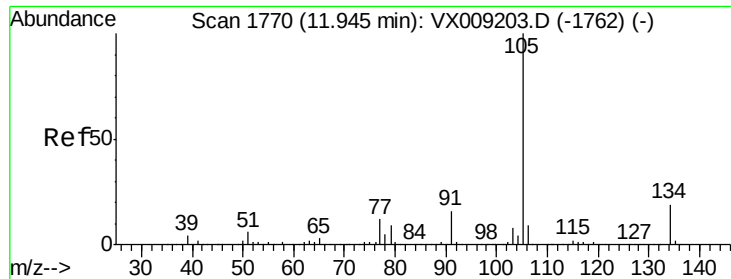
Tot Ion	Ratio	Lower	Upper
119	100		
91	58.9	29.5	88.5
134	22.4	11.4	34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.675 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.0	66.0





#85

sec-Butylbenzene

Concen: 50.407 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

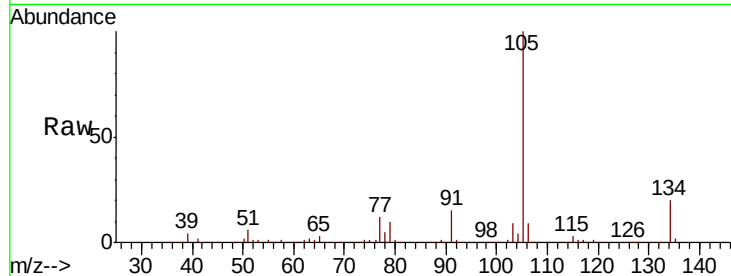
VSTDCCC050EC

Tot Ion:105 Resp: 415930

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

11.94

400000

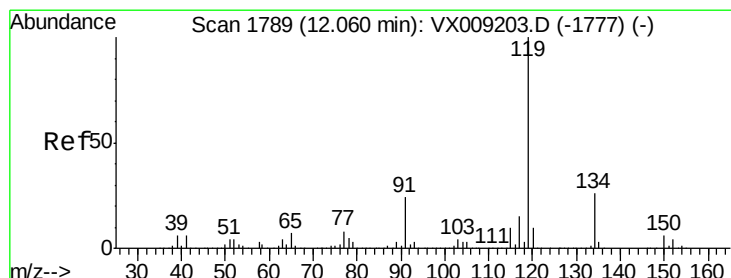
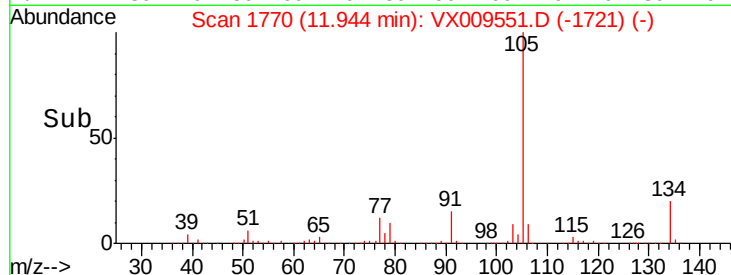
300000

200000

100000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 51.050 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

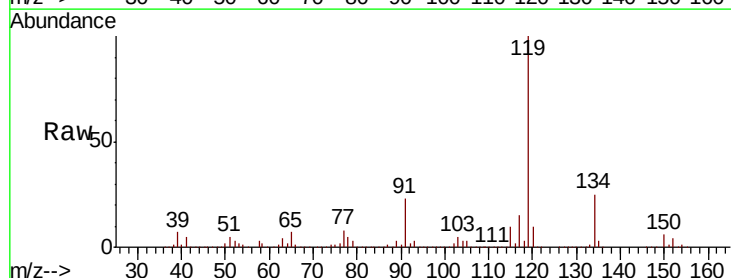
Tgt Ion:119 Resp: 378688

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.7

91 23.3 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

12.06

400000

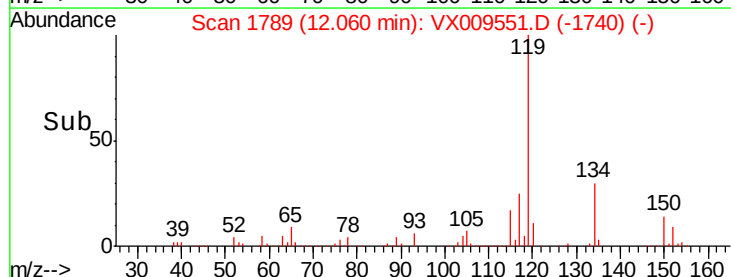
300000

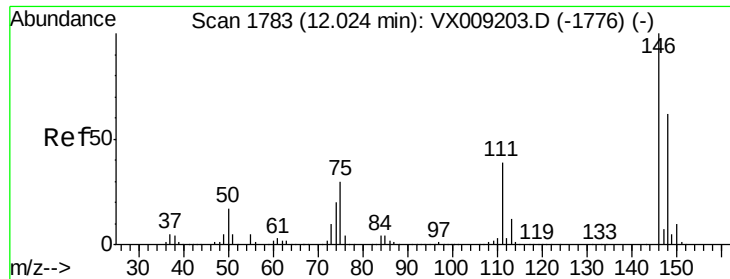
200000

100000

0

Time--> 12.00 12.10

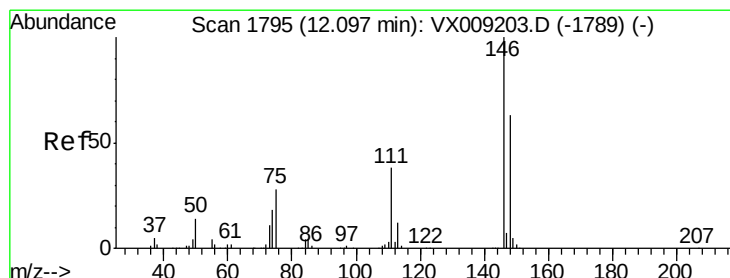
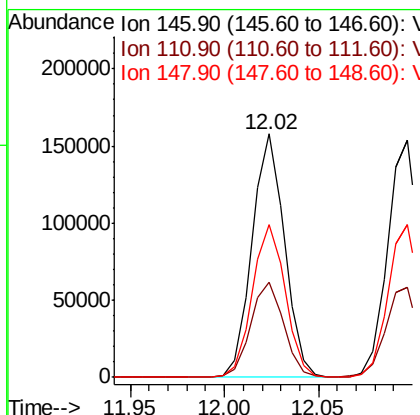
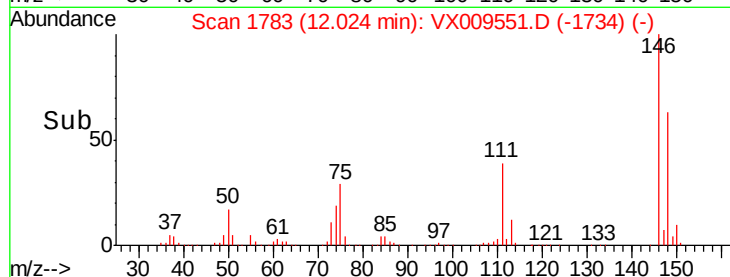
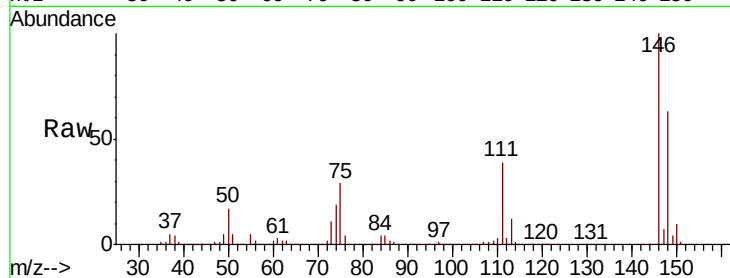




#87
 1,3-Dichlorobenzene
 Concen: 50.217 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

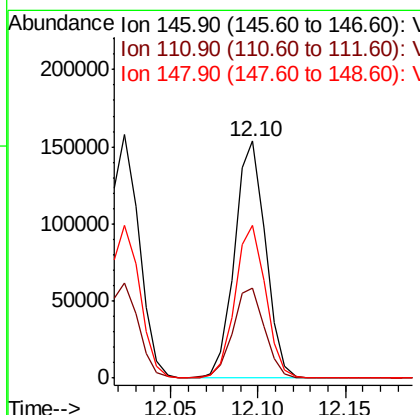
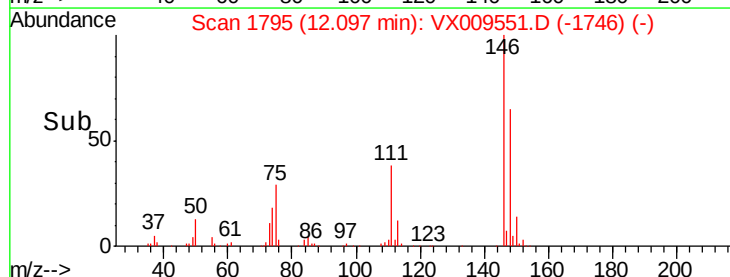
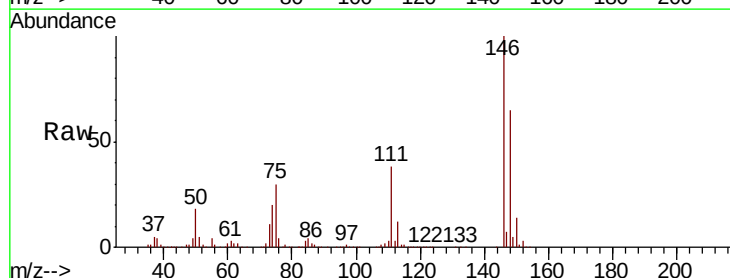
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

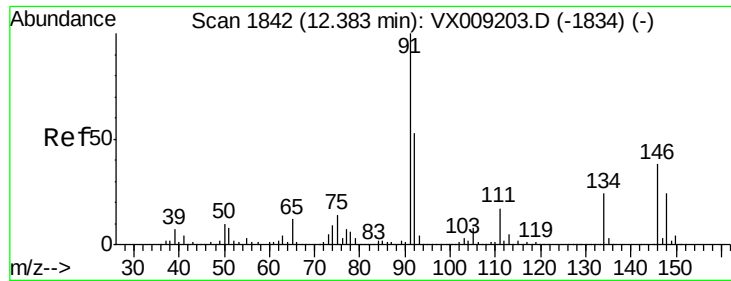
Tot Ion:146 Resp: 188802
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 59.9
 148 63.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 49.619 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion:146 Resp: 188079
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.8
 148 64.2 31.8 95.3

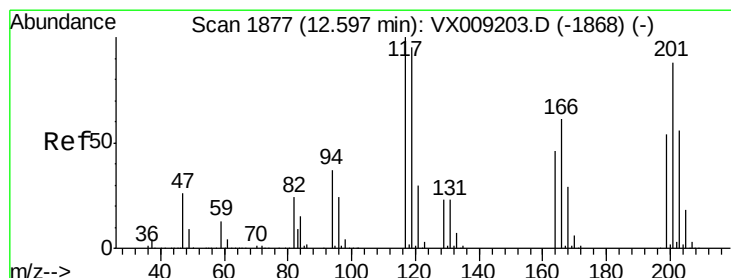
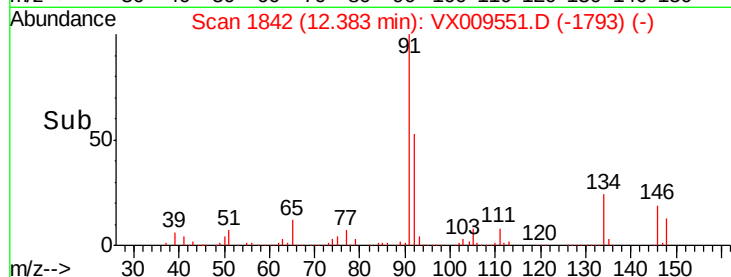
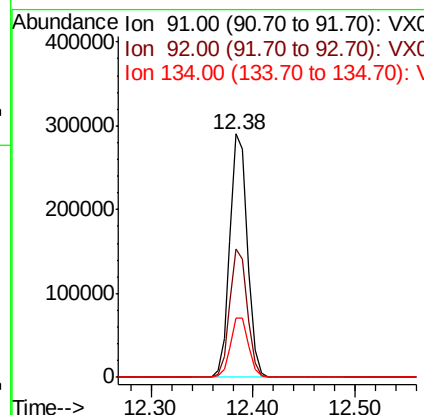
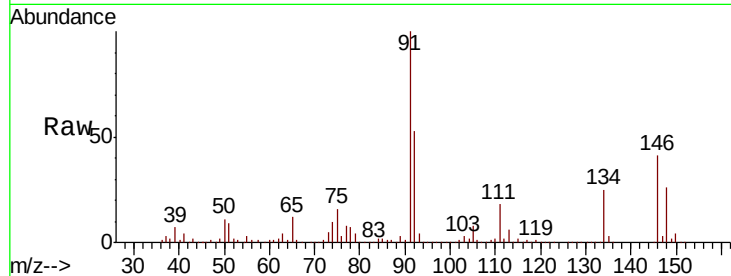




#89
n-Butylbenzene
Concen: 51.789 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

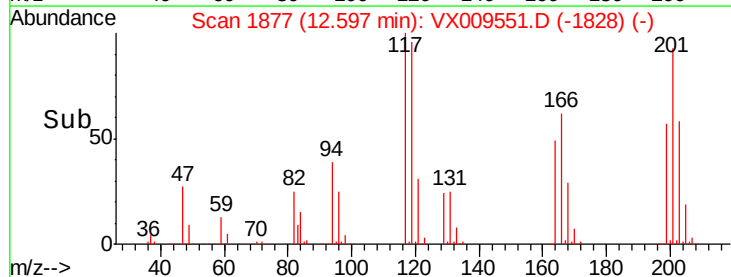
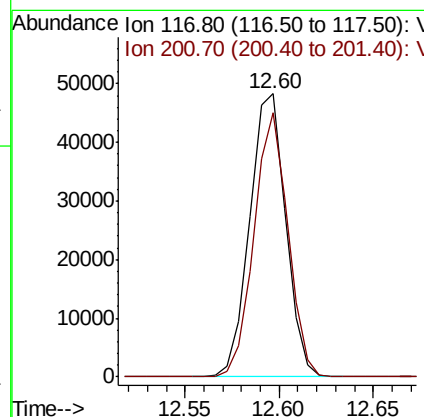
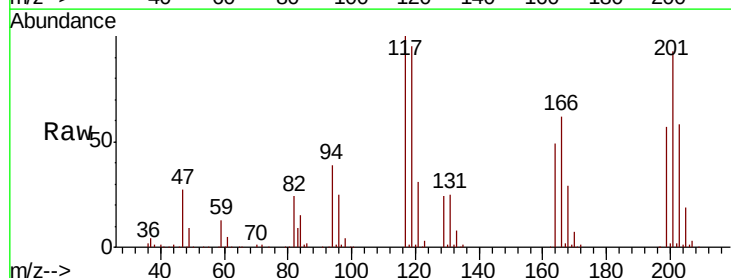
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

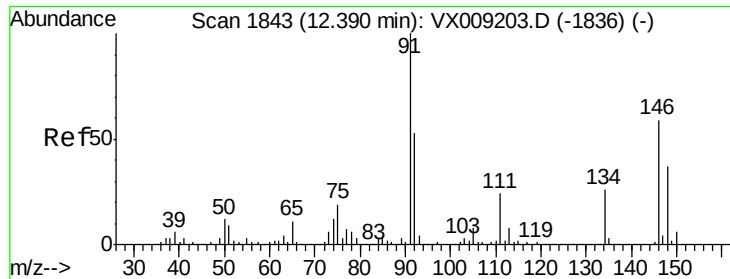
Tot Ion: 91 Resp: 347227
Ion Ratio Lower Upper
91 100
92 52.5 26.5 79.5
134 25.0 12.4 37.2



#90
Hexachloroethane
Concen: 50.606 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion: 117 Resp: 63955
Ion Ratio Lower Upper
117 100
201 87.8 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 49.723 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

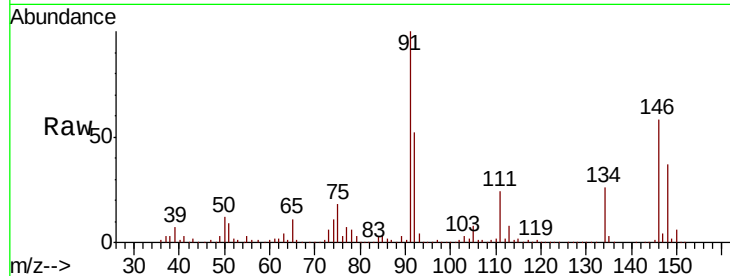
Tot Ion:146 Resp: 190409

Ion Ratio Lower Upper

146 100

111 41.4 20.8 62.4

148 64.1 31.9 95.9

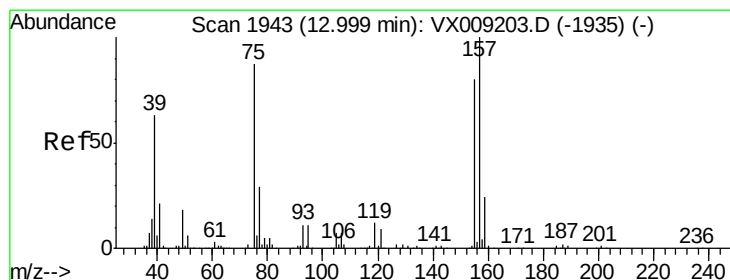
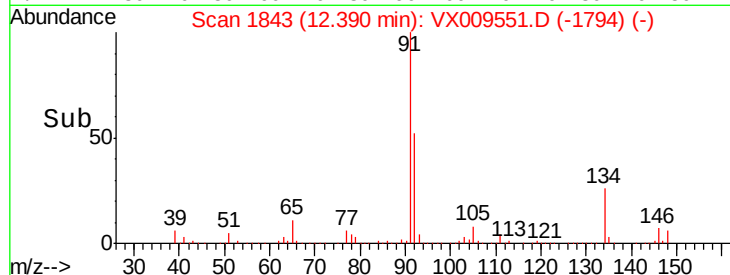
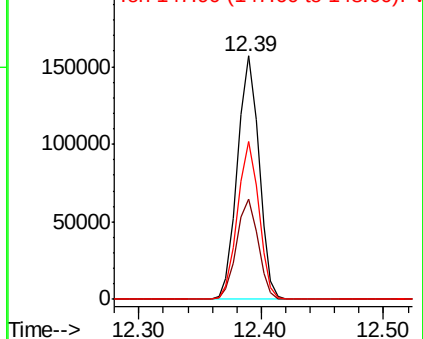


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.607 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009551.D

Acq: 13 May 2019 18:14

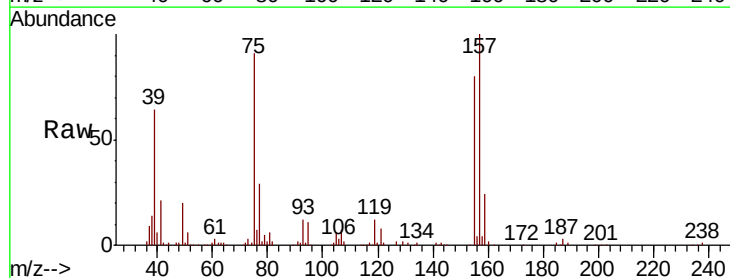
Tgt Ion: 75 Resp: 34539

Ion Ratio Lower Upper

75 100

155 83.2 42.0 126.0

157 105.0 53.2 159.6

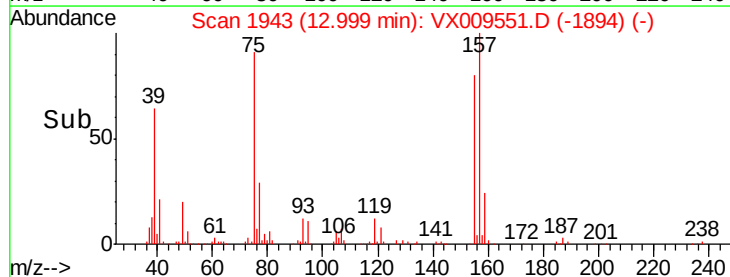
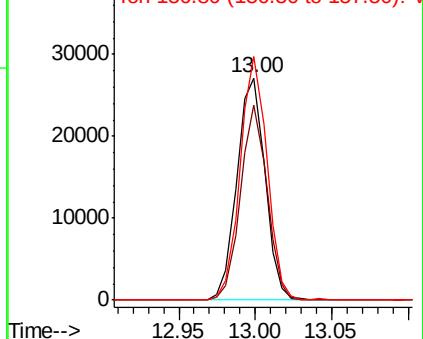


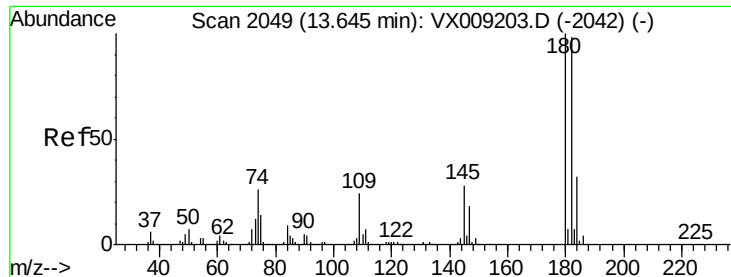
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

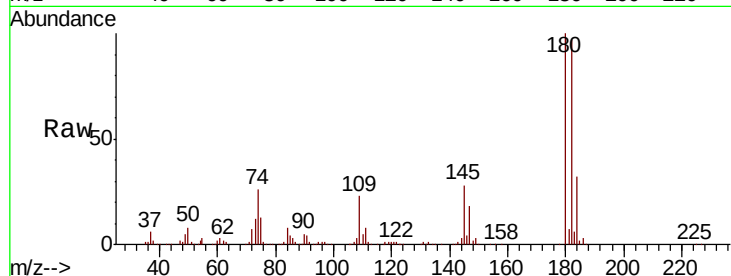




#93
 1,2,4-Trichlorobenzene
 Concen: 51.230 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.4	145.2
145	28.6	14.6	43.8

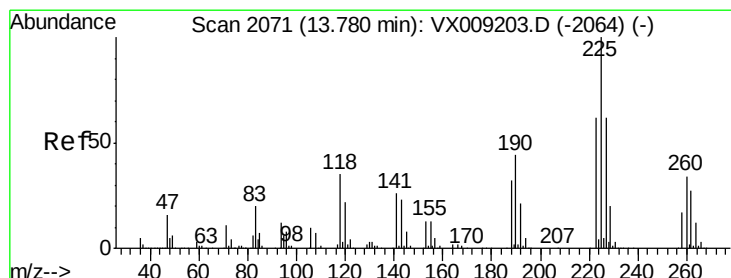
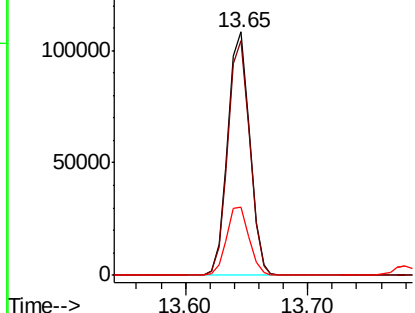
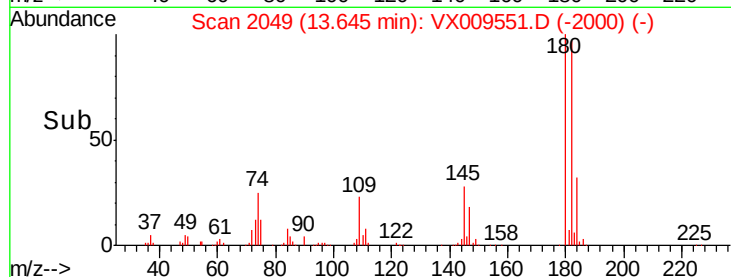


Abundance

Ion 179.80 (179.50 to 180.50): V

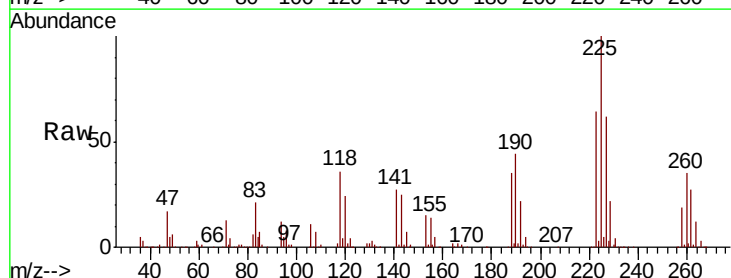
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 51.675 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009551.D
 Acq: 13 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.3	93.8
227	63.8	31.8	95.3

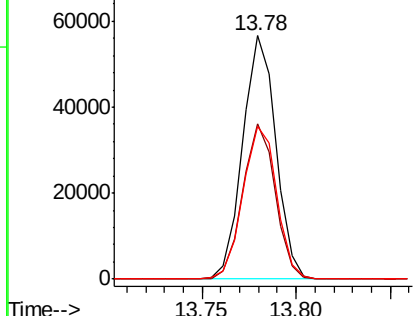
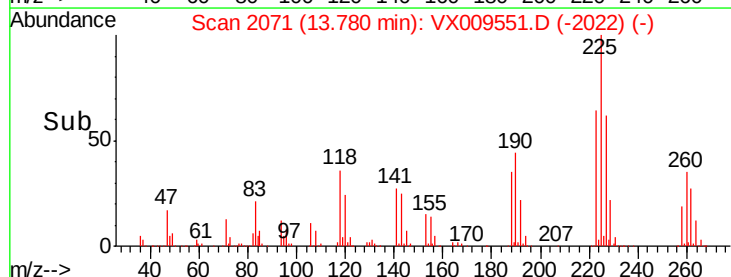


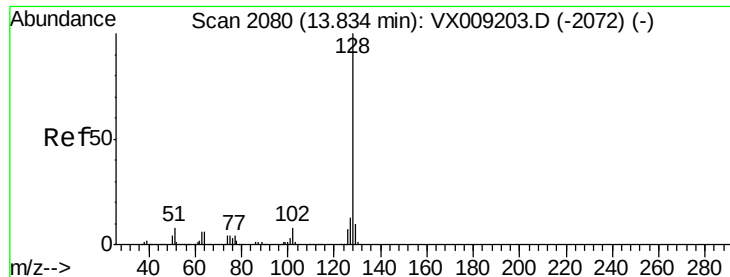
Abundance

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

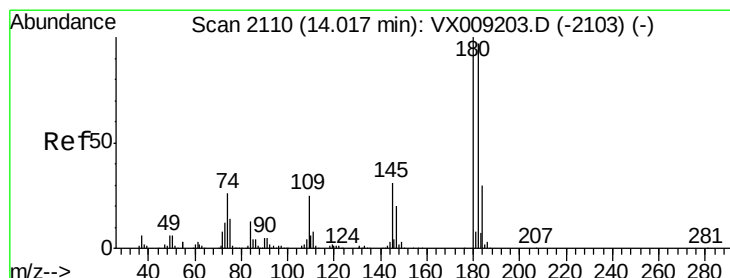
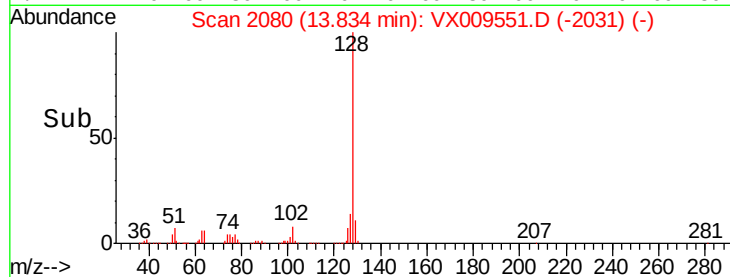
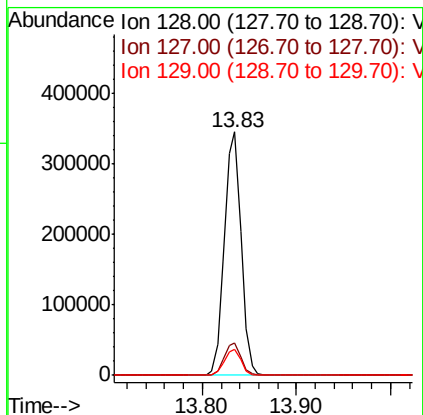
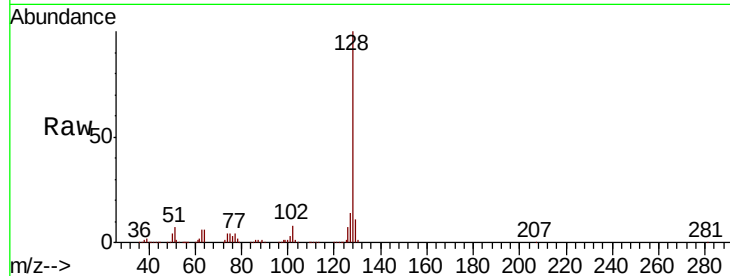




#95
Naphthalene
Concen: 50.004 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 426013
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.308 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009551.D
Acq: 13 May 2019 18:14

Tgt Ion:180 Resp: 133540
Ion Ratio Lower Upper
180 100
182 95.4 47.8 143.4
145 30.6 15.4 46.4

