

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051619\
 Data File : VX009622.D
 Acq On : 16 May 2019 21:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 17 06:41:33 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	159492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	253510	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	106723	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	5.50	113	79882	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
50) Toluene-d8	8.71	98	314726	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	11.13	95	120871	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	60965	41.480	ug/l 100
3) Chloromethane	1.32	50	94687	47.188	ug/l 99
4) Vinyl Chloride	1.41	62	93214	47.639	ug/l 100
5) Bromomethane	1.64	94	54933	46.775	ug/l 96
6) Chloroethane	1.71	64	59420	47.299	ug/l 97
7) Trichlorofluoromethane	1.92	101	117398	49.359	ug/l 98
8) Diethyl Ether	2.19	74	55557	49.313	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	71571	47.919	ug/l 99
10) Methyl Iodide	2.51	142	92531	53.015	ug/l 99
11) Tert butyl alcohol	3.06	59	135673	269.202	ug/l 100
12) 1,1-Dichloroethene	2.37	96	72331	48.334	ug/l 97
13) Acrolein	2.29	56	101991	223.458	ug/l 100
14) Allyl chloride	2.72	41	176760	48.468	ug/l 99
15) Acrylonitrile	3.15	53	322520	261.728	ug/l 100
16) Acetone	2.45	43	282100	241.297	ug/l 99
17) Carbon Disulfide	2.56	76	187271	44.572	ug/l 99
18) Methyl Acetate	2.78	43	151203	54.383	ug/l 99
19) Methyl tert-butyl Ether	3.20	73	295241	50.805	ug/l 99
20) Methylene Chloride	2.85	84	90403	47.758	ug/l 97
21) trans-1,2-Dichloroethene	3.16	96	78054	48.094	ug/l 97
22) Diisopropyl ether	3.85	45	355698	50.716	ug/l 96
23) Vinyl Acetate	3.82	43	1590792	264.877	ug/l 100
24) 1,1-Dichloroethane	3.70	63	171788	49.652	ug/l 99
25) 2-Butanone	4.68	43	479643	264.012	ug/l 99
26) 2,2-Dichloropropane	4.59	77	110722	42.994	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	95807	49.457	ug/l 98
28) Bromochloromethane	5.02	49	61732	43.994	ug/l 100
29) Tetrahydrofuran	5.13	42	317251	271.371	ug/l 99
30) Chloroform	5.21	83	158033	50.502	ug/l 100
31) Cyclohexane	5.58	56	156061	48.482	ug/l 96
32) 1,1,1-Trichloroethane	5.49	97	129986	49.900	ug/l 99
36) 1,1-Dichloropropene	5.80	75	115815	49.160	ug/l 100
37) Ethyl Acetate	4.84	43	176818	53.867	ug/l 99
38) Carbon Tetrachloride	5.78	117	107204	50.084	ug/l 97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	140503	48.562	ug/l	99
40) Benzene	6.14	78	364917	50.050	ug/l	99
41) Methacrylonitrile	5.04	41	101383	51.886	ug/l	100
42) 1,2-Dichloroethane	6.20	62	134560	51.448	ug/l	99
43) Isopropyl Acetate	6.45	43	283331	53.963	ug/l	99
44) Trichloroethene	7.21	130	85939	48.756	ug/l	99
45) 1,2-Dichloropropane	7.51	63	105828	51.260	ug/l	98
46) Dibromomethane	7.66	93	59692	49.789	ug/l	98
47) Bromodichloromethane	7.90	83	123741	51.742	ug/l	97
48) Methyl methacrylate	7.77	41	143222	54.982	ug/l	99
49) 1,4-Dioxane	7.74	88	55229	1045.471	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	970507	282.796	ug/l	99
52) Toluene	8.79	92	225059	50.780	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	141983	52.586	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	154381	51.658	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	93361	51.633	ug/l	95
56) Ethyl methacrylate	9.18	69	173924	53.885	ug/l	99
57) 1,3-Dichloropropane	9.37	76	163698	51.446	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	384851	224.761	ug/l	100
59) 2-Hexanone	9.49	43	755051	280.135	ug/l	99
60) Dibromochloromethane	9.58	129	93673	53.042	ug/l	100
61) 1,2-Dibromoethane	9.67	107	95292	52.209	ug/l	99
64) Tetrachloroethene	9.34	164	76359	47.526	ug/l	97
65) Chlorobenzene	10.14	112	236785	50.535	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	87072	51.258	ug/l	99
67) Ethyl Benzene	10.25	91	439571	50.975	ug/l	99
68) m/p-Xylenes	10.36	106	321424	102.000	ug/l	98
69) o-Xylene	10.69	106	158794	51.073	ug/l	99
70) Styrene	10.71	104	281252	52.046	ug/l	99
71) Bromoform	10.86	173	73503	53.245	ug/l	99
73) Isopropylbenzene	11.02	105	420369	47.783	ug/l	99
74) N-amyl acetate	10.90	43	267253	52.107	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	162843	49.654	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	192973	68.765	ug/l	81
77) Bromobenzene	11.26	156	105618	48.370	ug/l	100
78) n-propylbenzene	11.36	91	491196	48.890	ug/l	99
79) 2-Chlorotoluene	11.42	91	296032	47.758	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	363281	49.043	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	54066	49.295	ug/l	99
82) 4-Chlorotoluene	11.51	91	342523	48.914	ug/l	99
83) tert-Butylbenzene	11.77	119	352132	48.867	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	364827	49.068	ug/l	100
85) sec-Butylbenzene	11.94	105	416370	48.737	ug/l	100
86) p-Isopropyltoluene	12.06	119	382142	49.757	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	190439	48.924	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	192431	49.034	ug/l	99
89) n-Butylbenzene	12.38	91	347556	50.068	ug/l	99
90) Hexachloroethane	12.59	117	64664	49.420	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	192831	48.636	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37049	50.359	ug/l	99

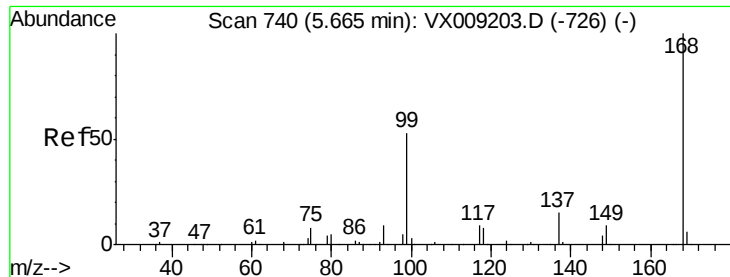
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	137044	50.547	ug/l	98
94) Hexachlorobutadiene	13.78	225	70169	50.681	ug/l	99
95) Naphthalene	13.83	128	451917	51.233	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	137981	50.206	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

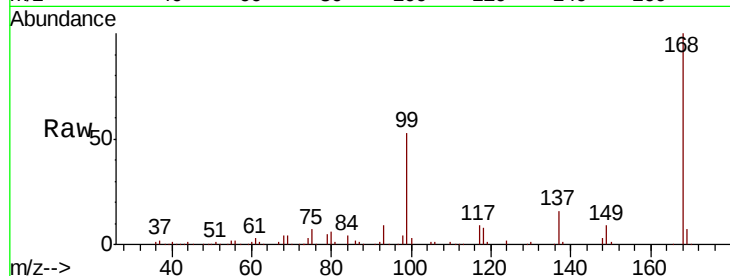
VSTDCCC050EC

Tot Ion:168 Resp: 159492

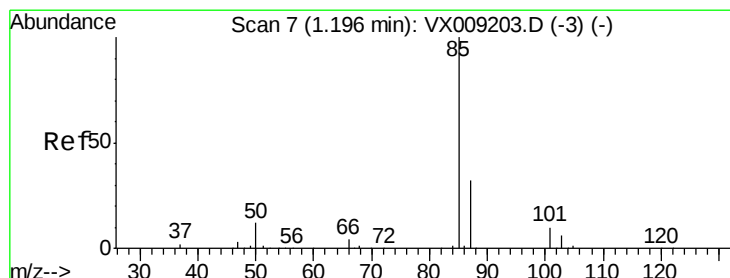
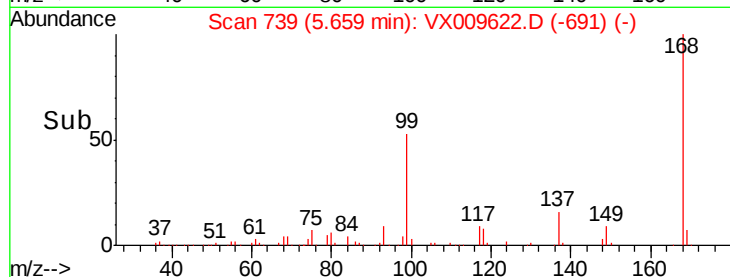
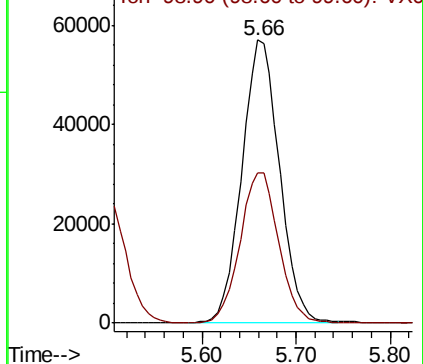
Ion Ratio Lower Upper

168 100

99 52.8 42.3 63.5



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



#2

Dichlorodifluoromethane

Concen: 41.480 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009622.D

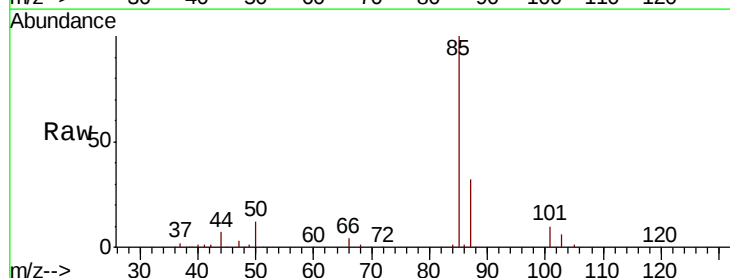
Acq: 16 May 2019 21:02

Tgt Ion: 85 Resp: 60965

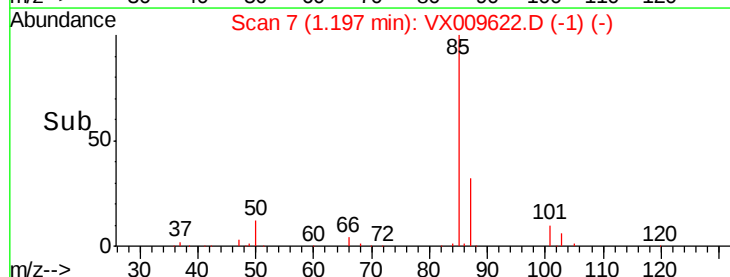
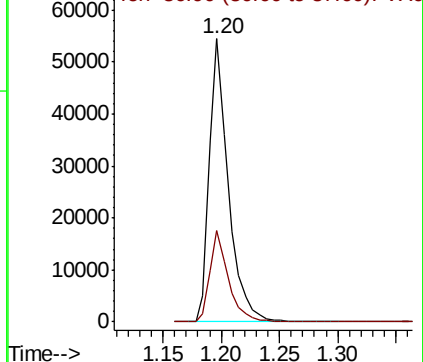
Ion Ratio Lower Upper

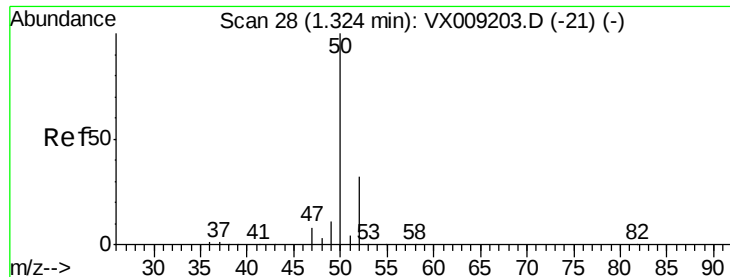
85 100

87 32.5 16.1 48.3



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





#3

Chloromethane

Concen: 47.188 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

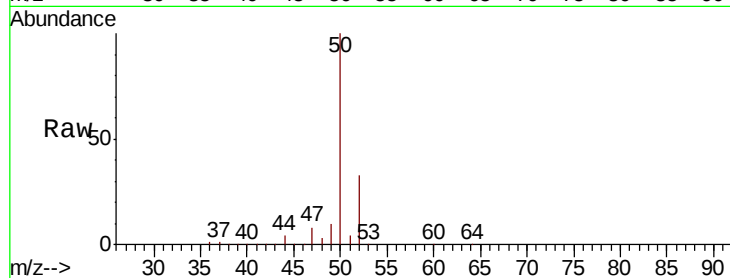
VSTDCCC050EC

Tot Ion: 50 Resp: 94687

Ion Ratio Lower Upper

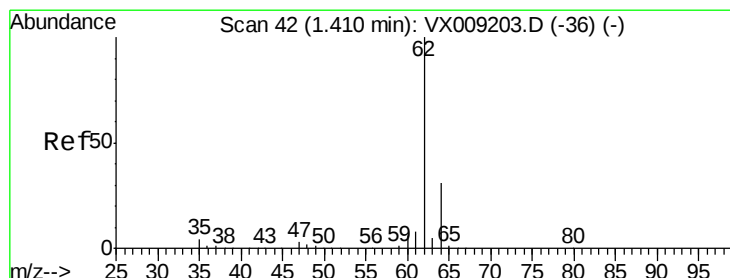
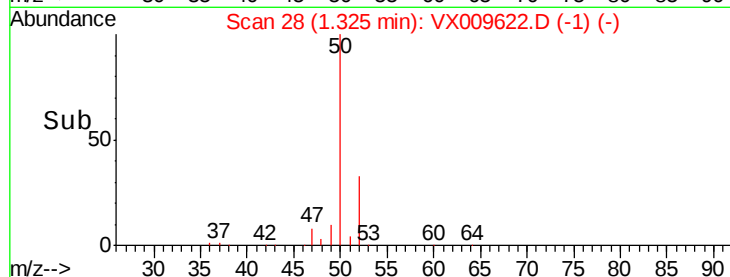
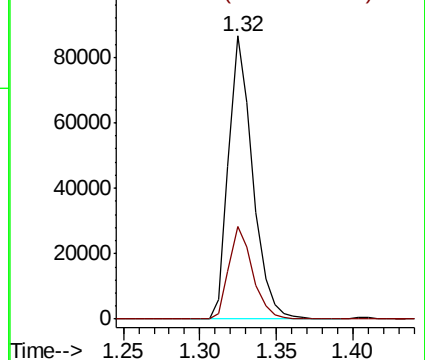
50 100

52 32.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.639 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009622.D

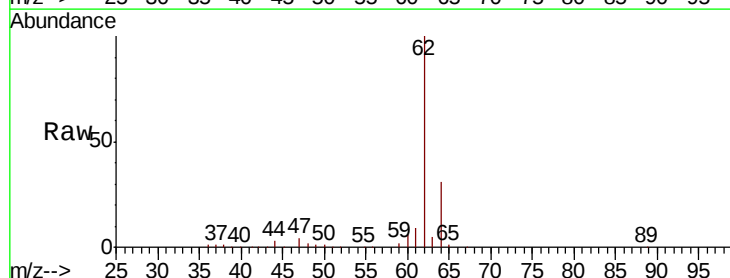
Acq: 16 May 2019 21:02

Tgt Ion: 62 Resp: 93214

Ion Ratio Lower Upper

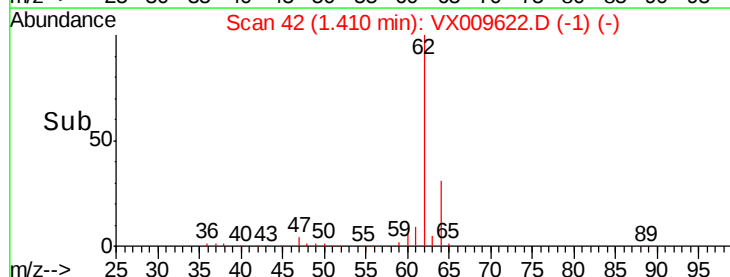
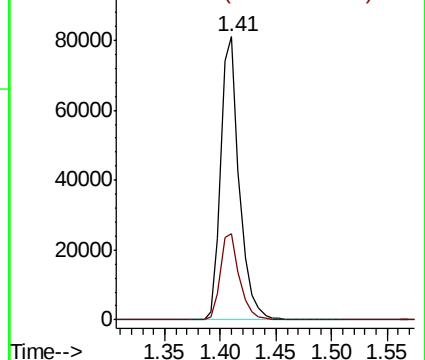
62 100

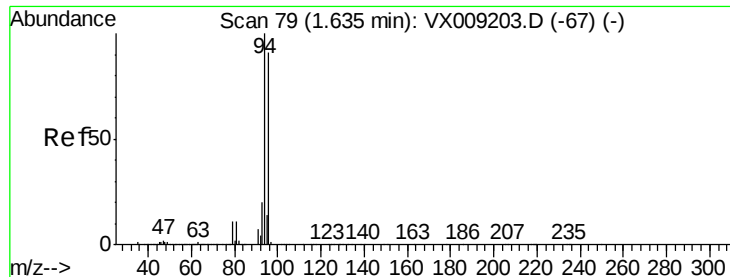
64 30.7 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.775 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

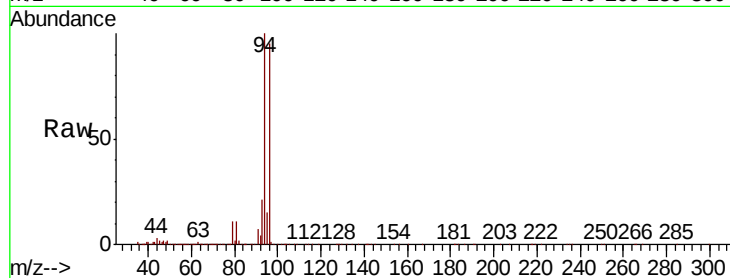
VSTDCCC050EC

Tot Ion: 94 Resp: 54933

Ion Ratio Lower Upper

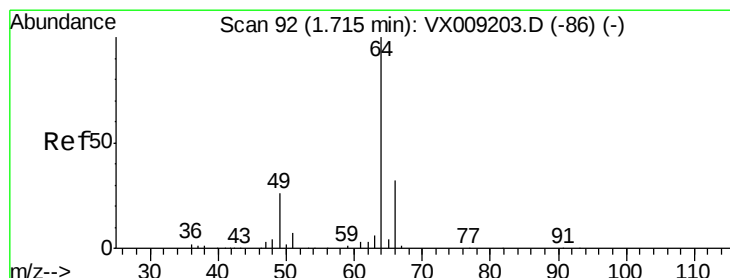
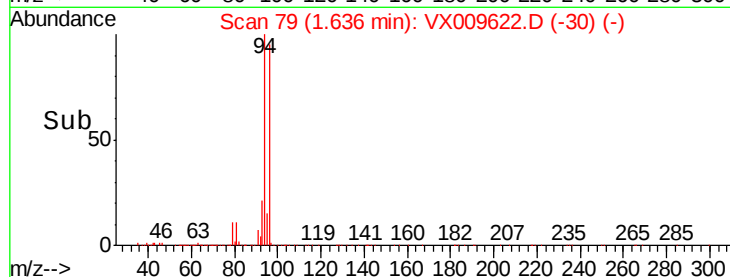
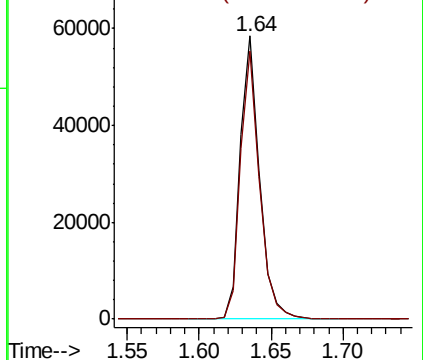
94 100

96 94.6 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: 47.299 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009622.D

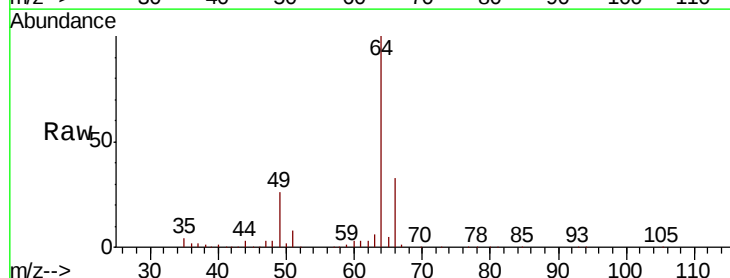
Acq: 16 May 2019 21:02

Tgt Ion: 64 Resp: 59420

Ion Ratio Lower Upper

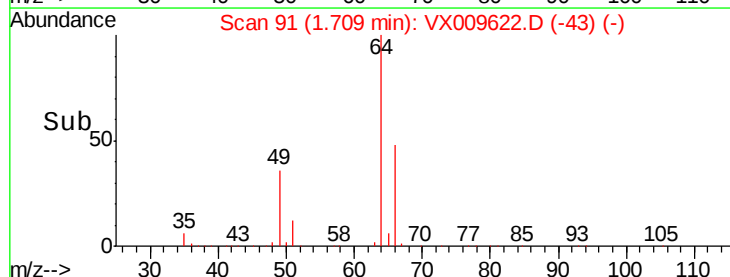
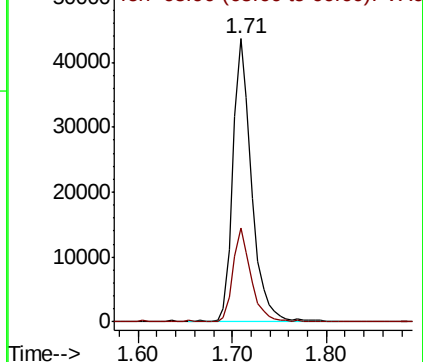
64 100

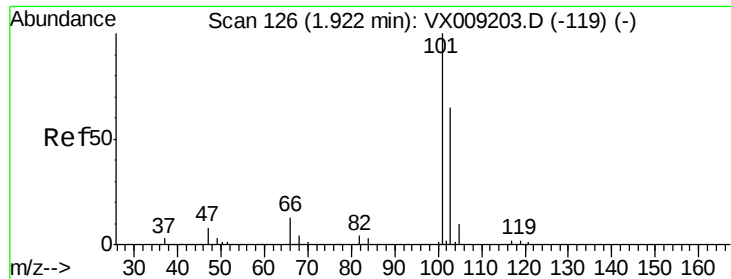
66 33.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



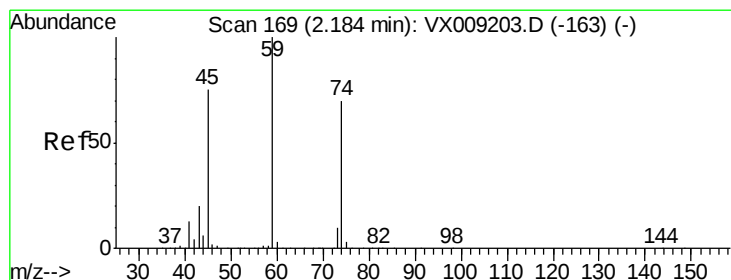
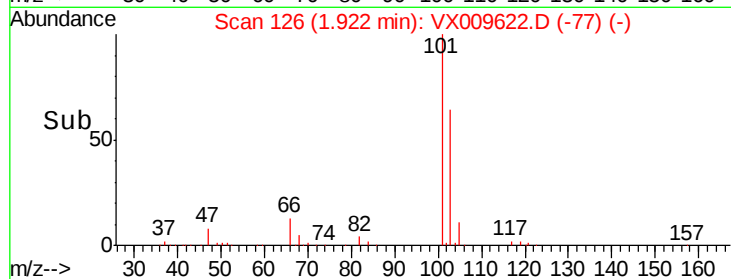
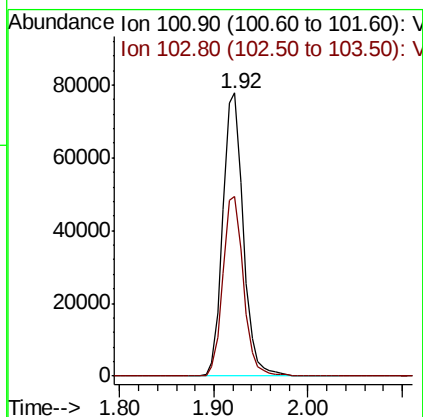
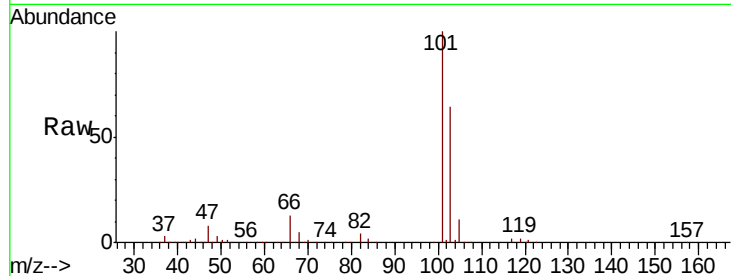


#7

Trichlorofluoromethane
 Concen: 49.359 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

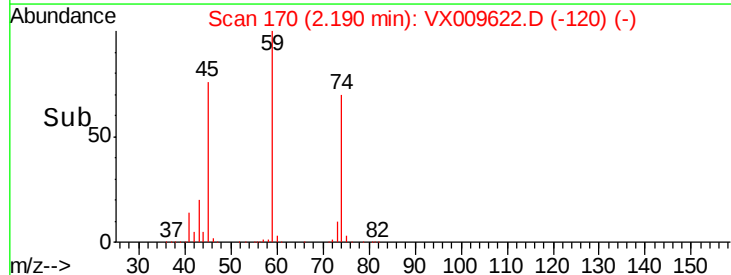
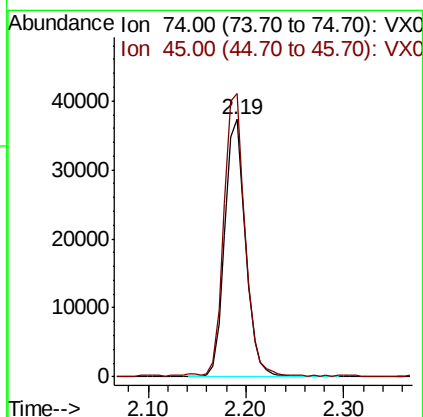
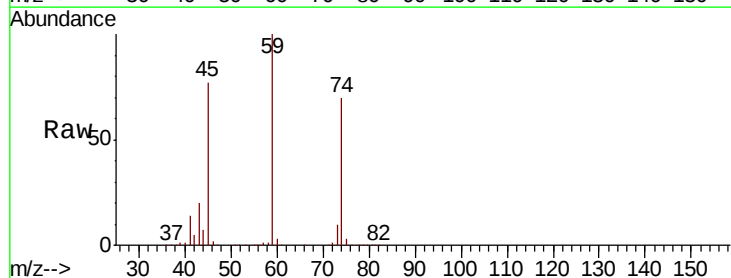
Tot Ion:101 Resp: 117398
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.4 78.6



#8

Diethyl Ether
 Concen: 49.313 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion: 74 Resp: 55557
 Ion Ratio Lower Upper
 74 100
 45 111.3 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.919 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

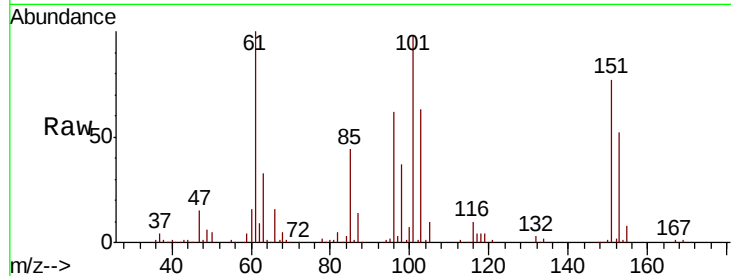
Tot Ion:101 Resp: 71571

Ion Ratio Lower Upper

101 100

85 45.7 35.7 53.5

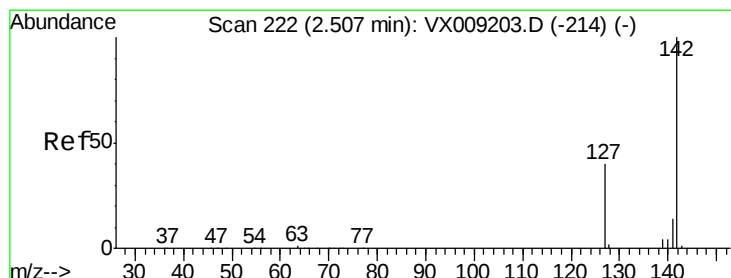
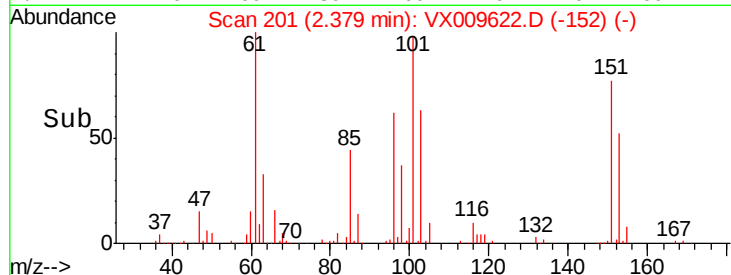
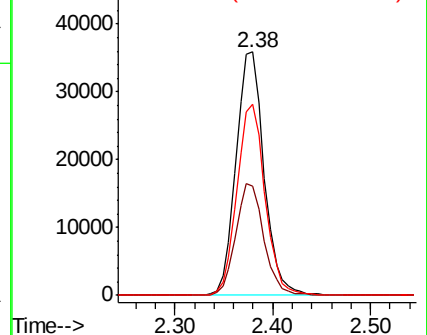
151 78.7 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.015 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

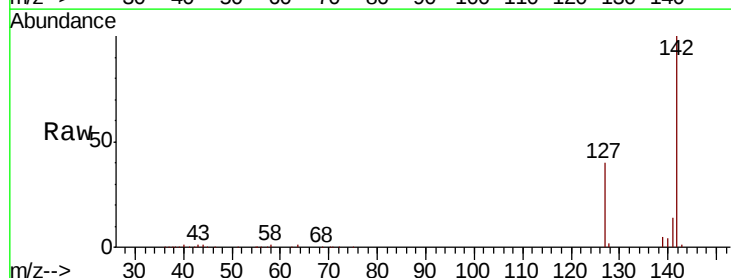
Tgt Ion:142 Resp: 92531

Ion Ratio Lower Upper

142 100

127 41.4 32.7 49.1

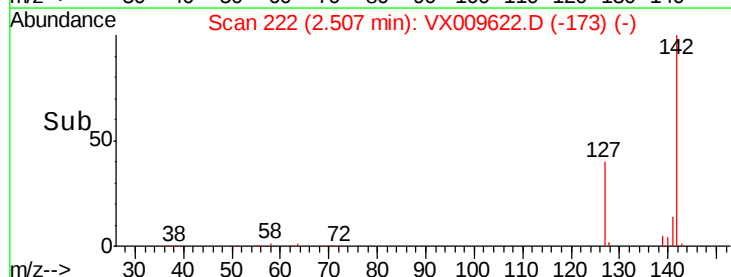
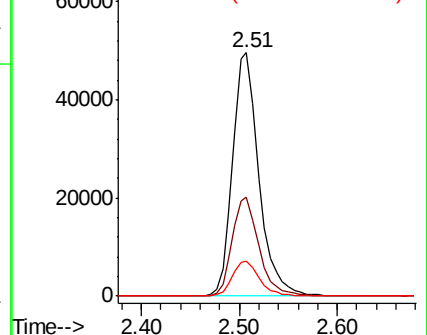
141 14.8 11.5 17.3

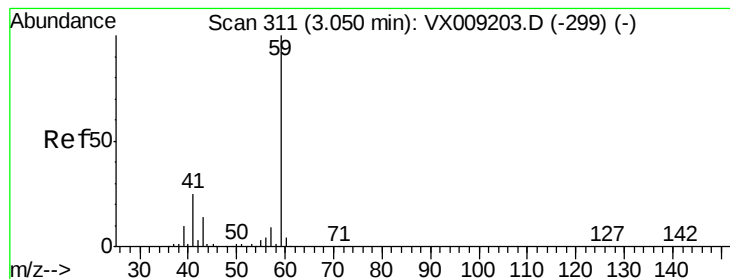


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



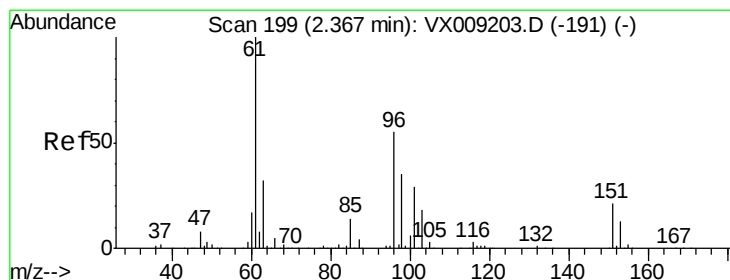
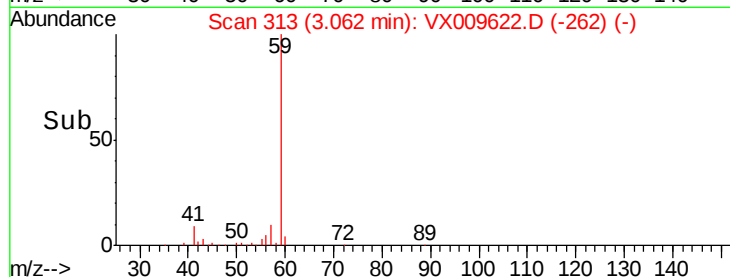
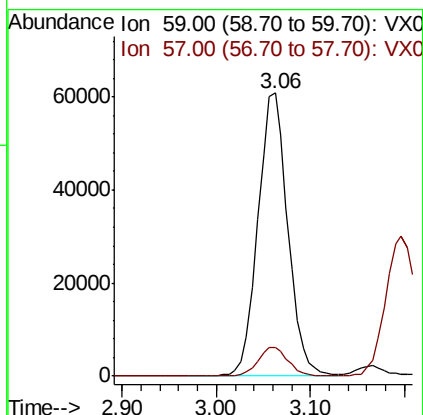
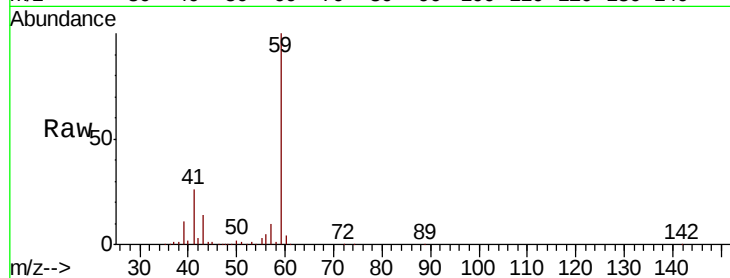


#11

Tert butyl alcohol
 Concen: 269.202 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. 0.01 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

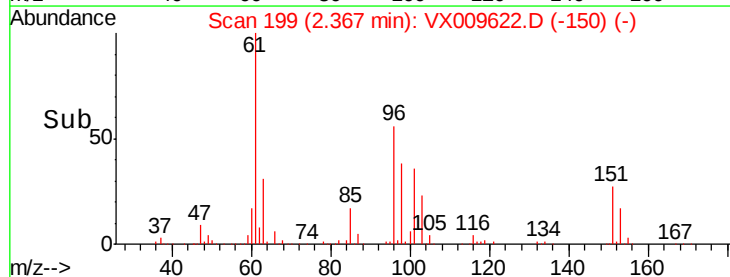
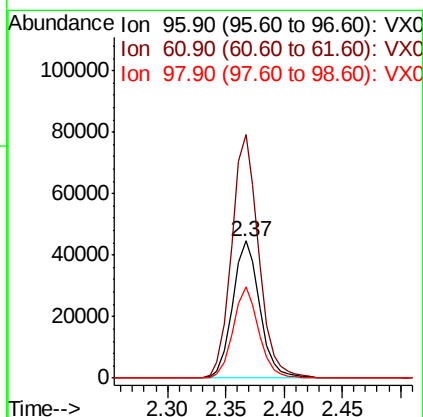
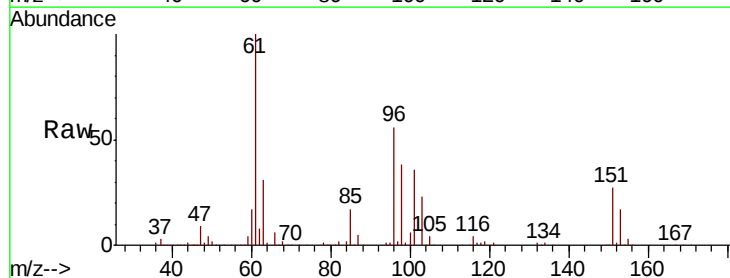
Tot Ion: 59 Resp: 135673
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

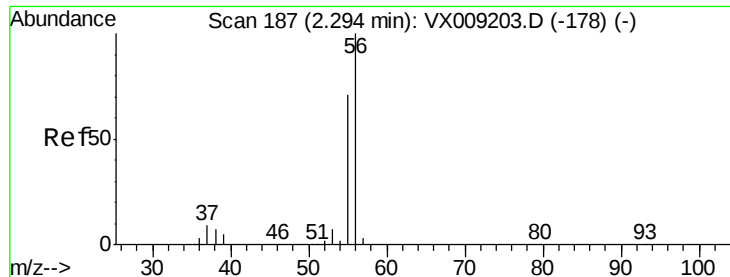


#12

1,1-Dichloroethene
 Concen: 48.334 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion: 96 Resp: 72331
 Ion Ratio Lower Upper
 96 100
 61 177.9 144.3 216.5
 98 66.9 50.3 75.5

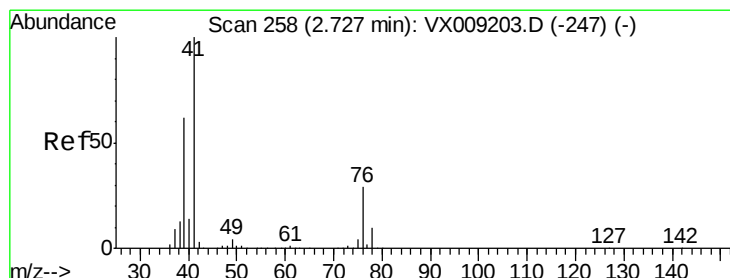
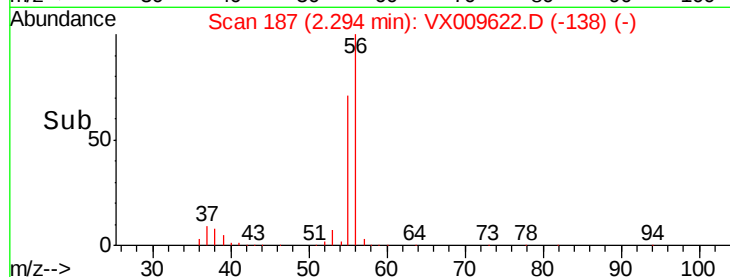
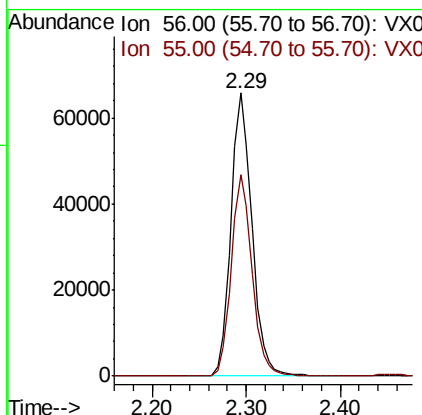
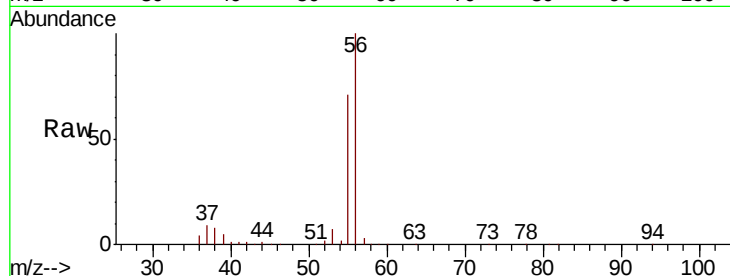




#13
 Acrolein
 Concen: 223.458 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

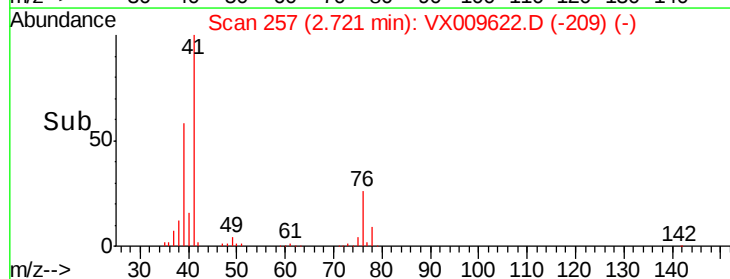
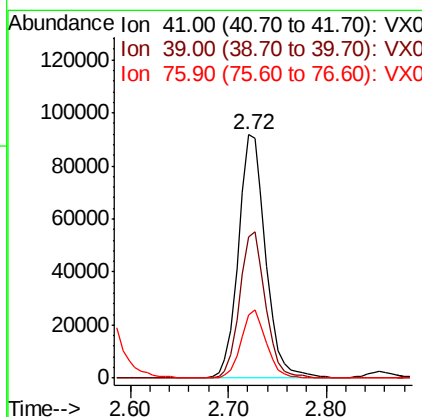
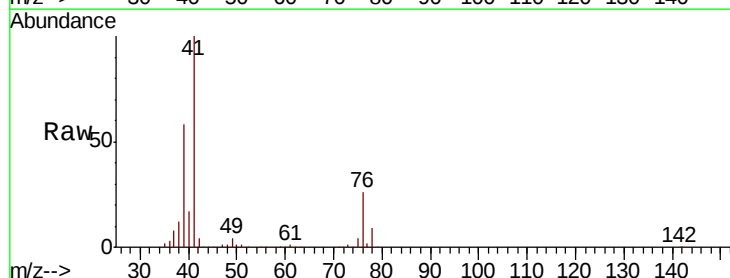
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

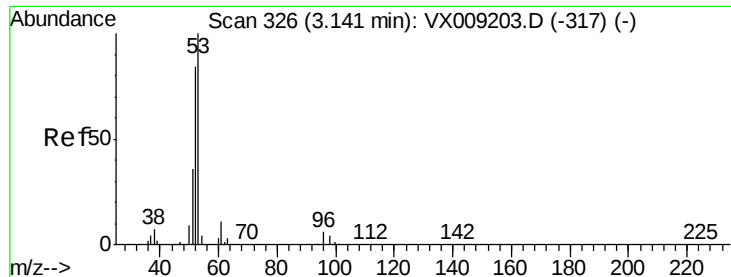
Tot Ion: 56 Resp: 101991
 Ion Ratio Lower Upper
 56 100
 55 70.7 56.6 85.0



#14
 Allyl chloride
 Concen: 48.468 ug/l
 RT: 2.72 min Scan# 257
 Delta R.T. -0.01 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion: 41 Resp: 176760
 Ion Ratio Lower Upper
 41 100
 39 57.8 46.7 70.1
 76 25.9 21.8 32.8





#15

Acrylonitrile

Concen: 261.728 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

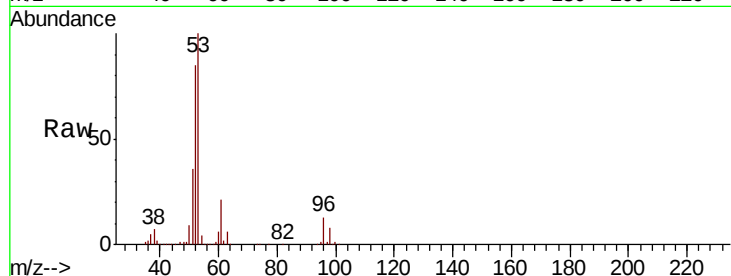
Tot Ion: 53 Resp: 322520

Ion Ratio Lower Upper

53 100

52 83.5 66.9 100.3

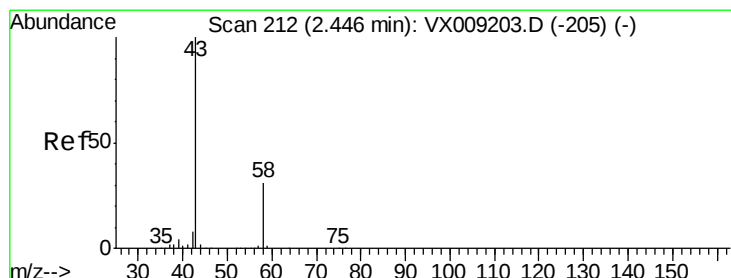
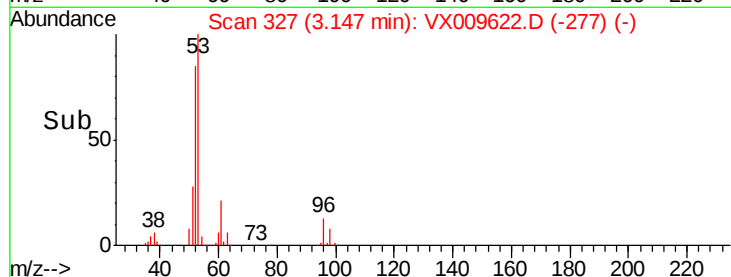
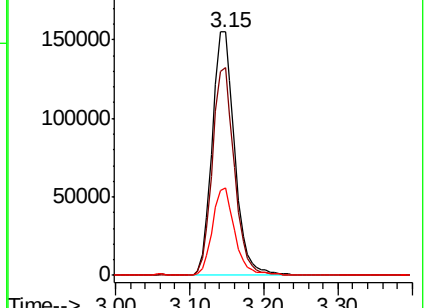
51 35.9 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX009622.D (-277) (-)

Ion 52.00 (51.70 to 52.70): VX009622.D (-277) (-)

Ion 51.00 (50.70 to 51.70): VX009622.D (-277) (-)



#16

Acetone

Concen: 241.297 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009622.D

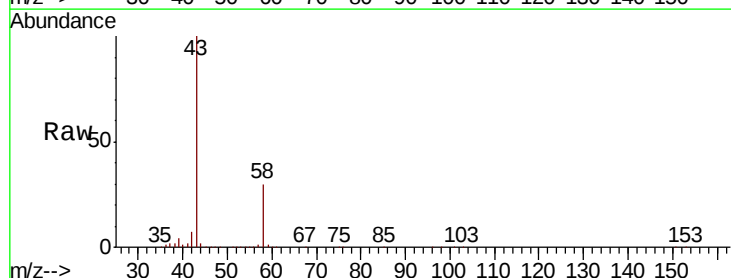
Acq: 16 May 2019 21:02

Tgt Ion: 43 Resp: 282100

Ion Ratio Lower Upper

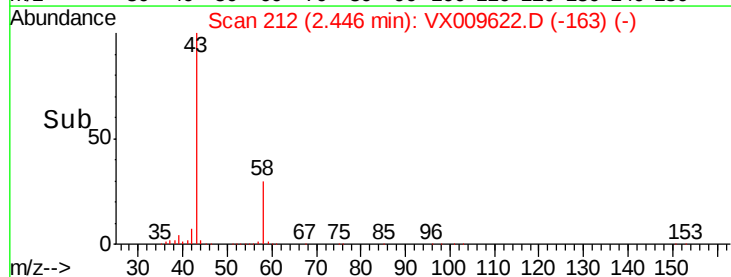
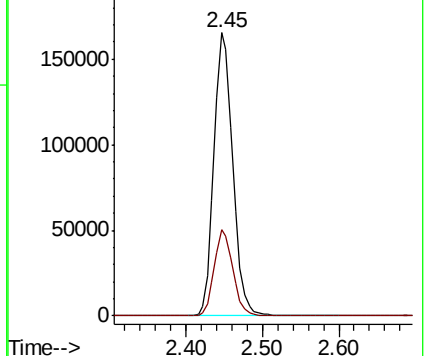
43 100

58 30.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX009622.D (-163) (-)

Ion 58.00 (57.70 to 58.70): VX009622.D (-163) (-)

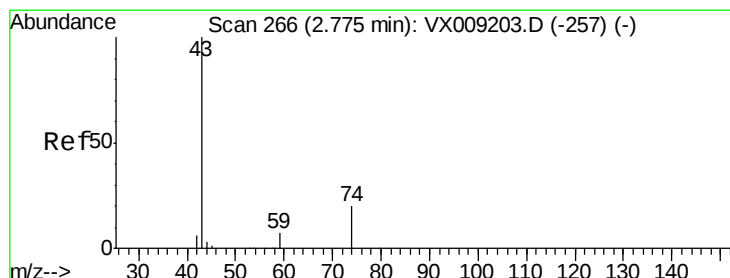
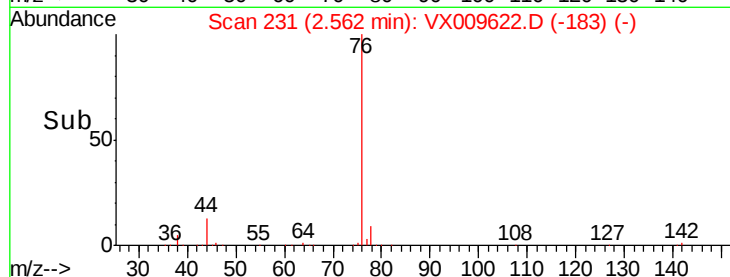
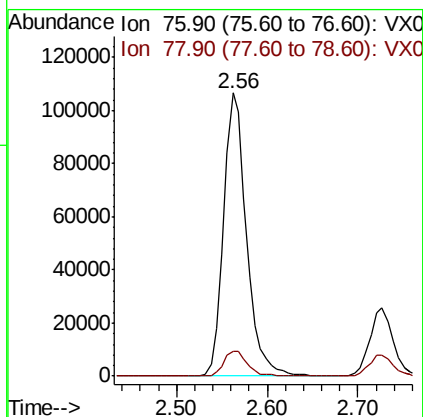
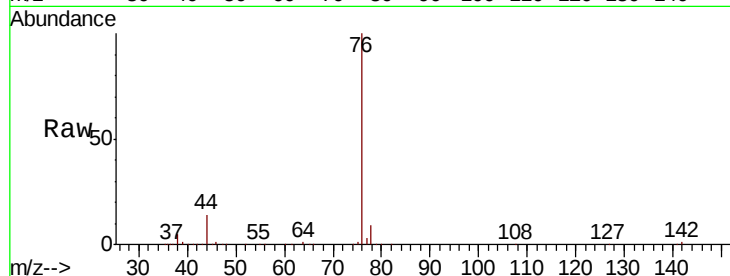




#17
Carbon Disulfide
Concen: 44.572 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

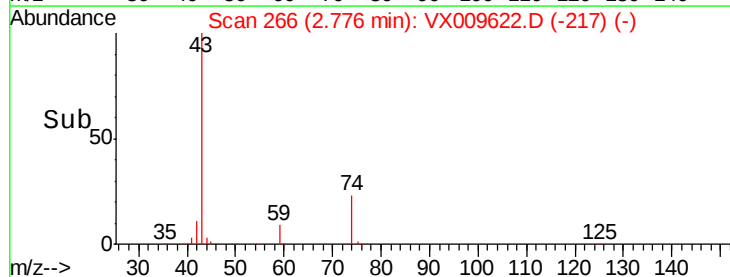
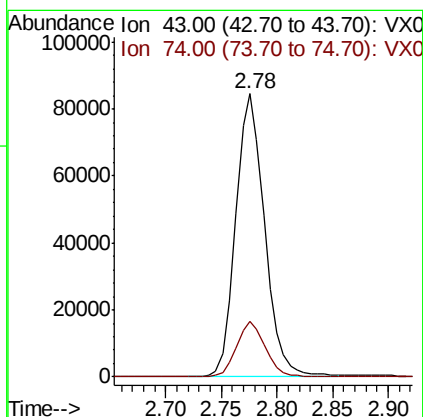
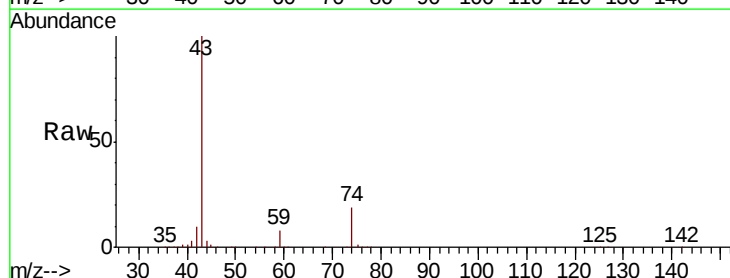
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

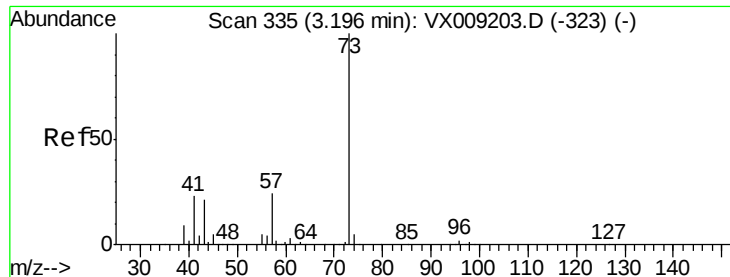
Tot Ion: 76 Resp: 187271
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 54.383 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion: 43 Resp: 151203
Ion Ratio Lower Upper
43 100
74 19.9 16.2 24.4

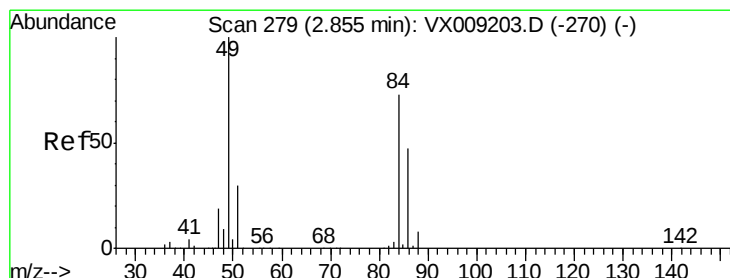
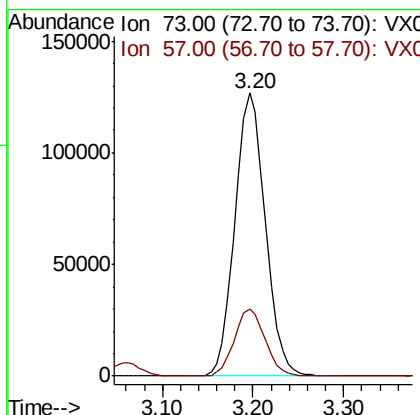
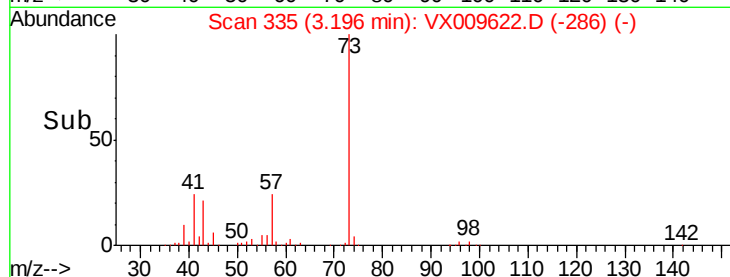
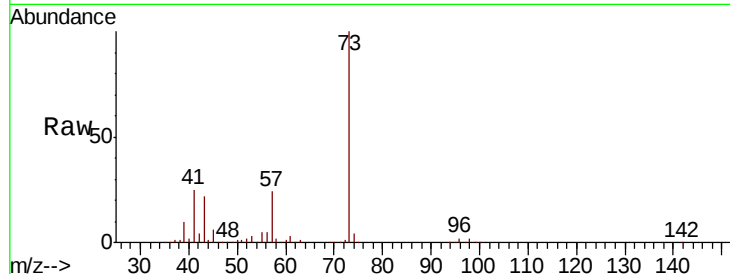




#19
Methyl tert-butyl Ether
Concen: 50.805 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

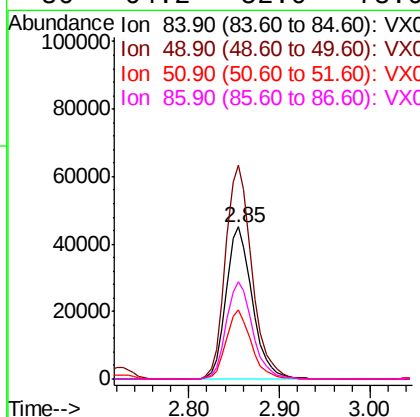
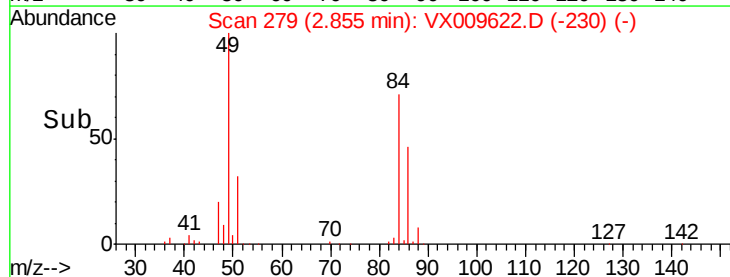
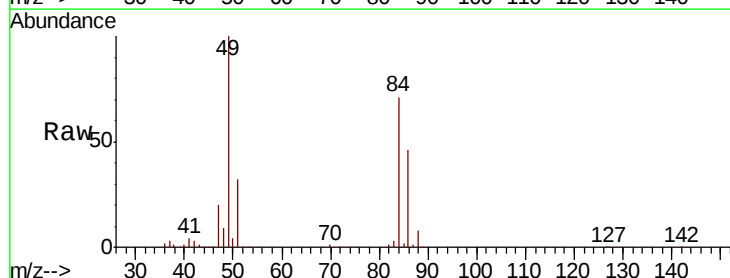
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 295241
Ion Ratio Lower Upper
73 100
57 23.7 19.3 28.9



#20
Methylene Chloride
Concen: 47.758 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion: 84 Resp: 90403
Ion Ratio Lower Upper
84 100
49 140.6 109.9 164.9
51 45.4 32.7 49.1
86 64.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 48.094 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

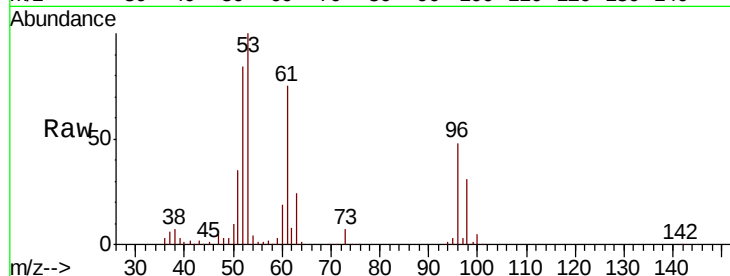
Tot Ion: 96 Resp: 78054

Ion Ratio Lower Upper

96 100

61 158.7 124.5 186.7

98 65.2 50.4 75.6

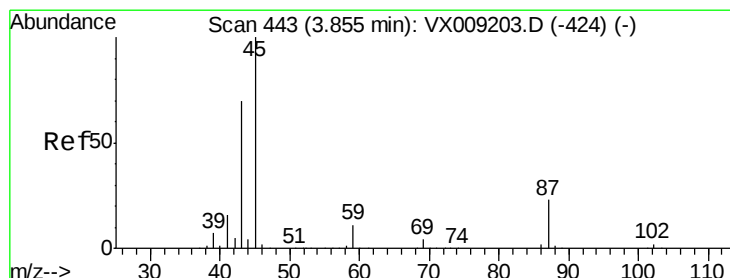
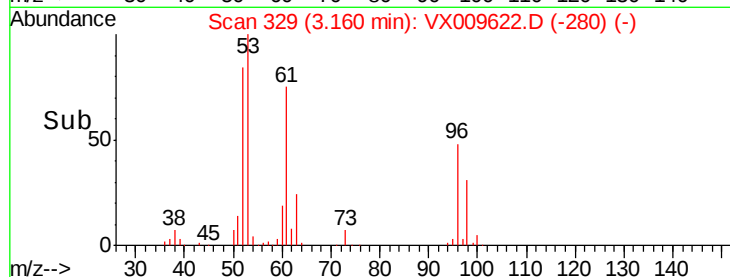
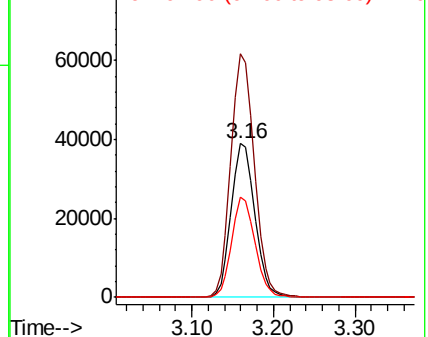


Abundance

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: 50.716 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Tgt Ion: 45 Resp: 355698

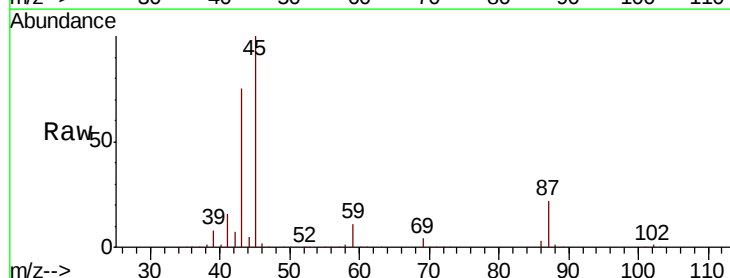
Ion Ratio Lower Upper

45 100

43 74.9 56.1 84.1

87 22.2 18.1 27.1

59 10.8 8.5 12.7



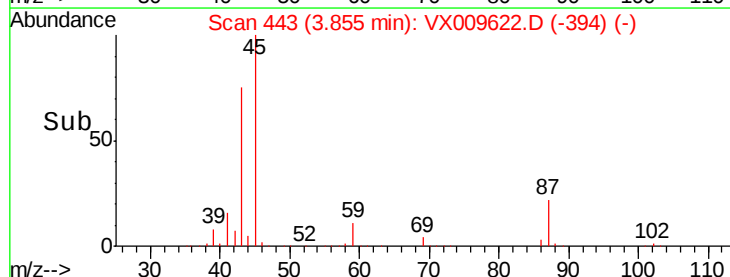
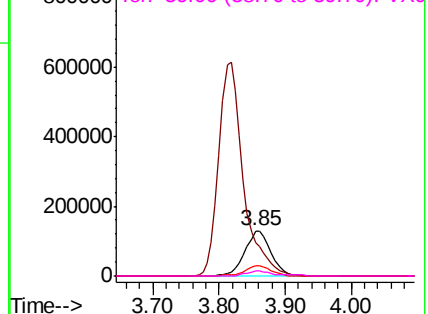
Abundance

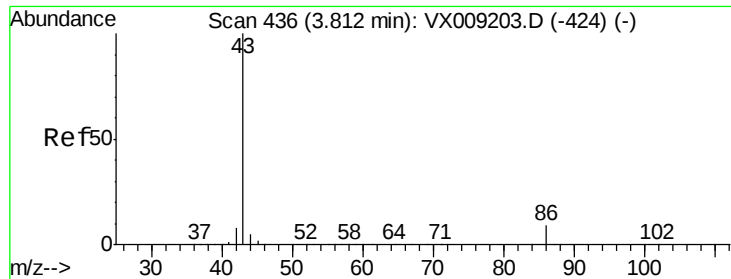
Ion 45.00 (44.70 to 45.70): VX0

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: 264.877 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

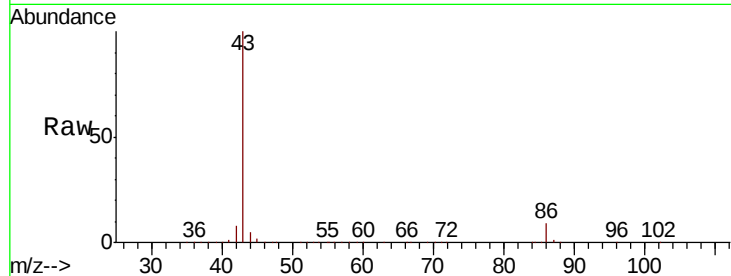
VSTDCCC050EC

Tot Ion: 43 Resp: 1590792

Ion Ratio Lower Upper

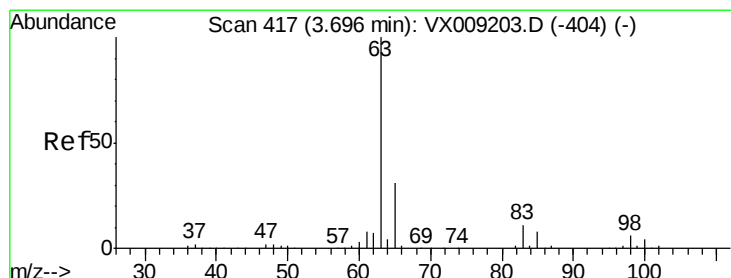
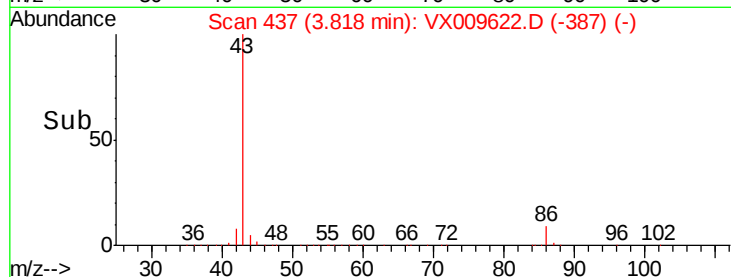
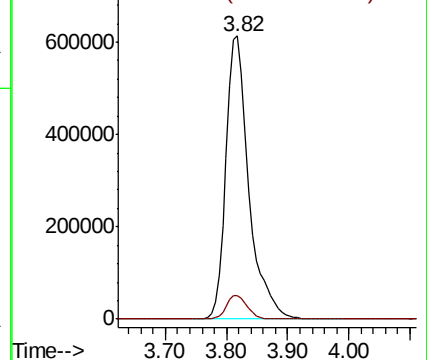
43 100

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: 49.652 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

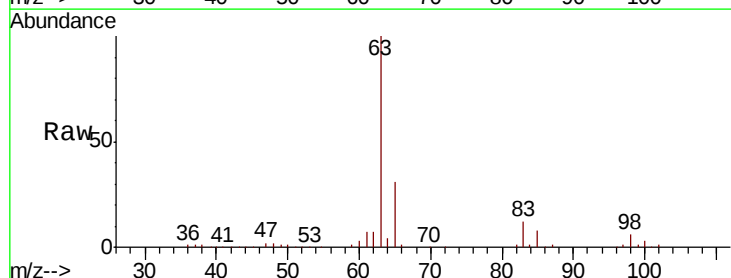
Tgt Ion: 63 Resp: 171788

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

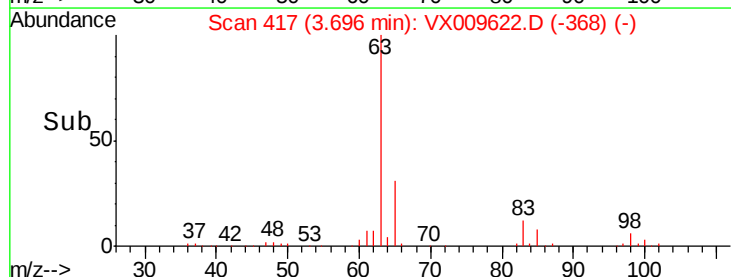
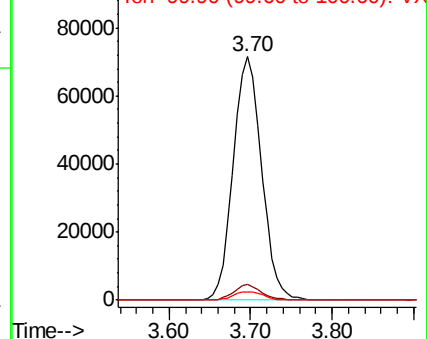
100 3.5 2.0 6.0

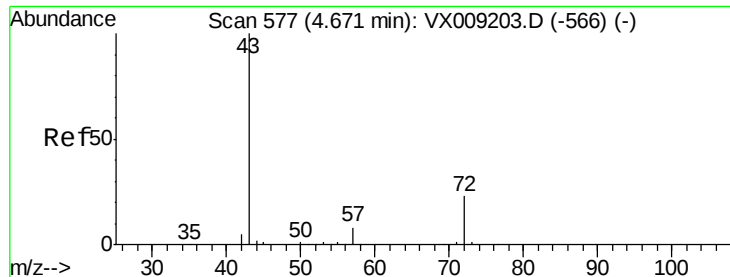


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 264.012 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

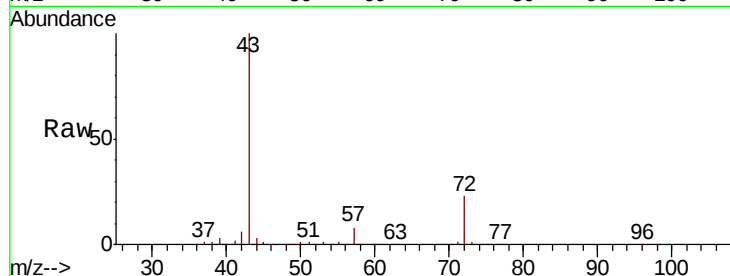
VSTDCCC050EC

Tot Ion: 43 Resp: 479643

Ion Ratio Lower Upper

43 100

72 23.1 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

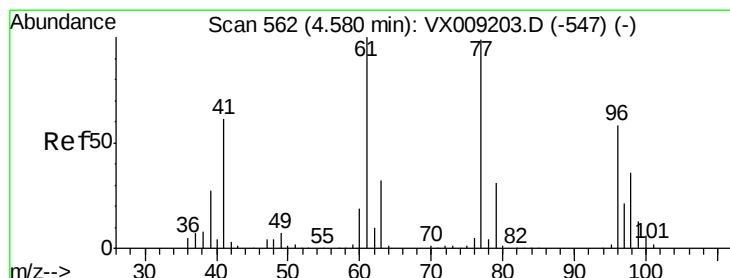
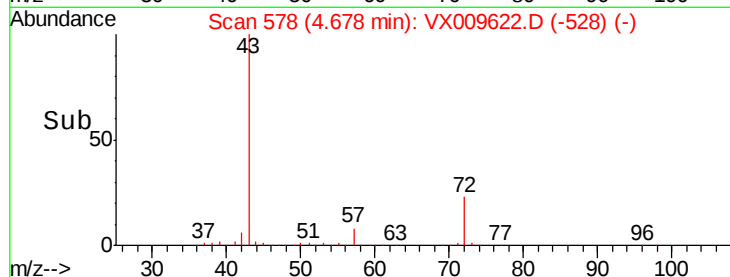
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 42.994 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009622.D

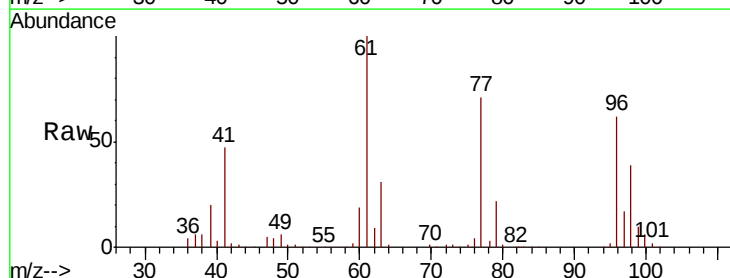
Acq: 16 May 2019 21:02

Tgt Ion: 77 Resp: 110722

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

40000

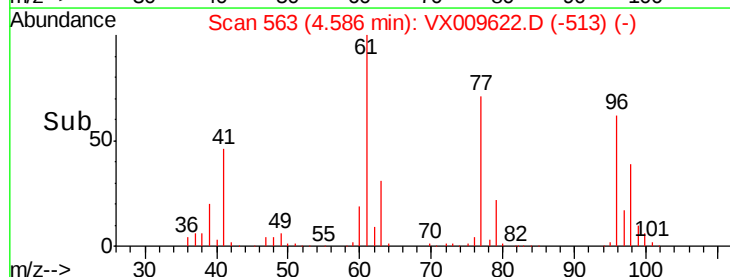
30000

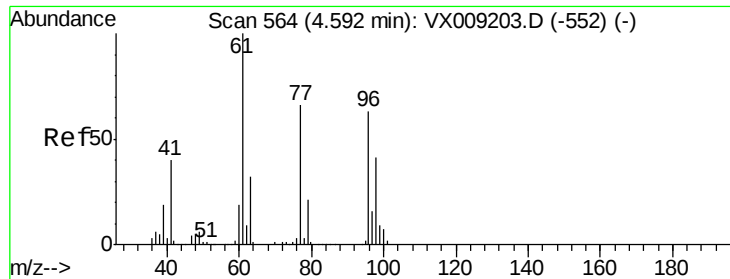
20000

10000

0

Time-->



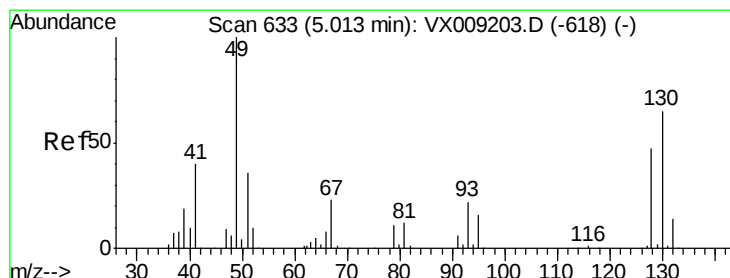
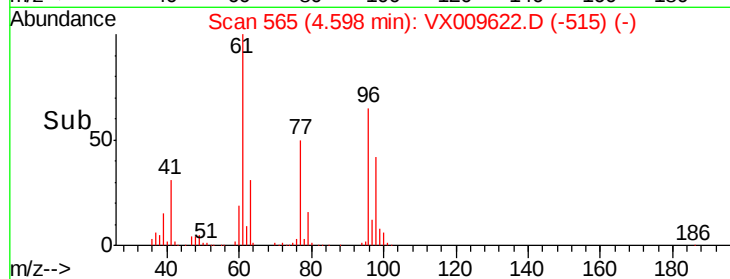
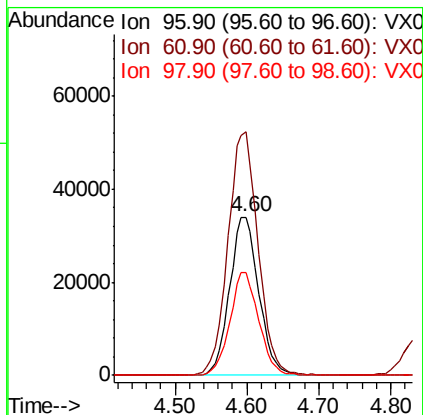
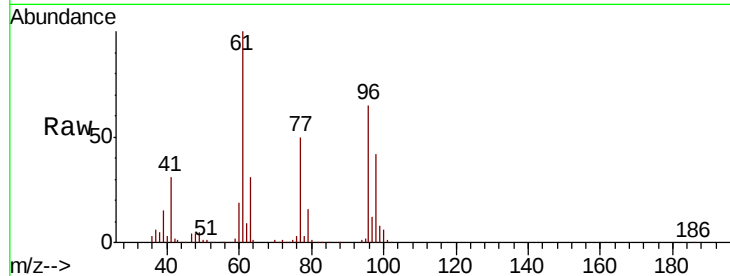


#27

cis-1,2-Dichloroethene
Concen: 49.457 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

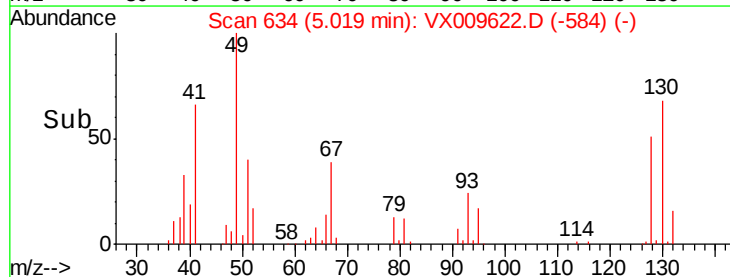
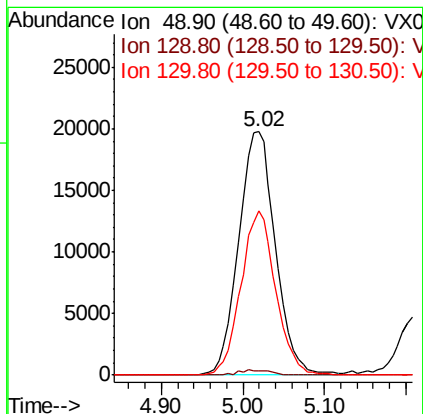
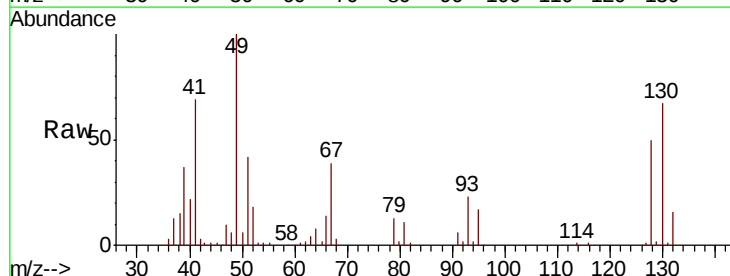
Tot Ion: 96 Resp: 95807
Ion Ratio Lower Upper
96 100
61 159.0 0.0 324.0
98 64.1 0.0 130.4

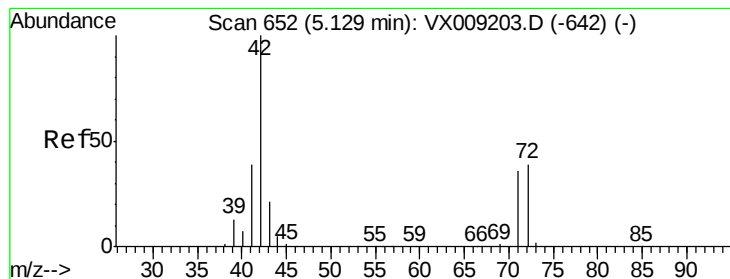


#28

Bromochloromethane
Concen: 43.994 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion: 49 Resp: 61732
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.8
130 63.8 51.2 76.8





#29

Tetrahydrofuran

Concen: 271.371 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

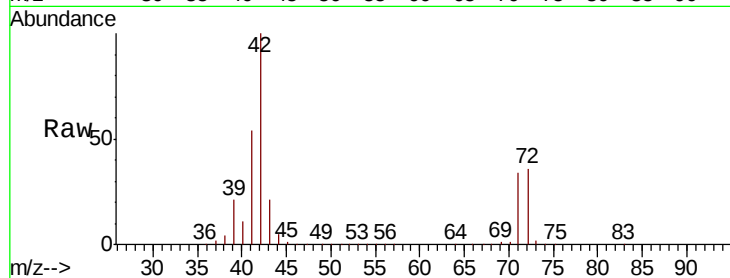
Tot Ion: 42 Resp: 317251

Ion Ratio Lower Upper

42 100

72 37.3 30.4 45.6

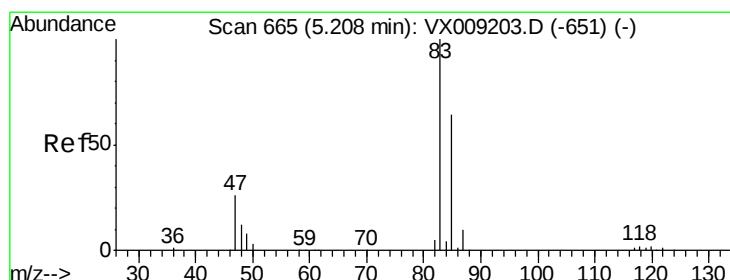
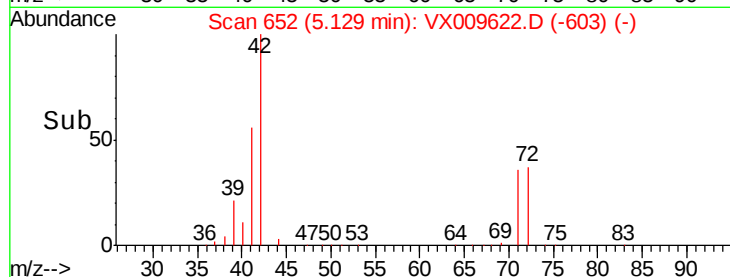
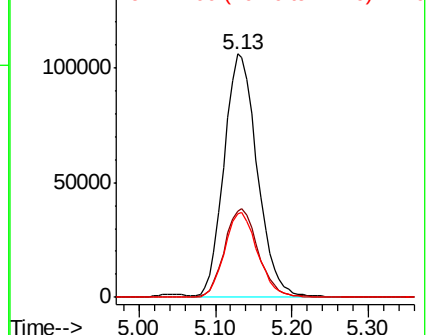
71 34.9 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.502 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009622.D

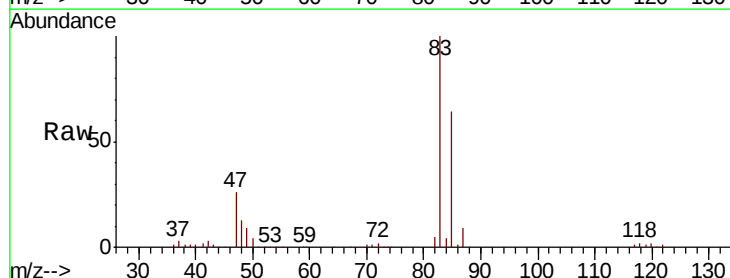
Acq: 16 May 2019 21:02

Tgt Ion: 83 Resp: 158033

Ion Ratio Lower Upper

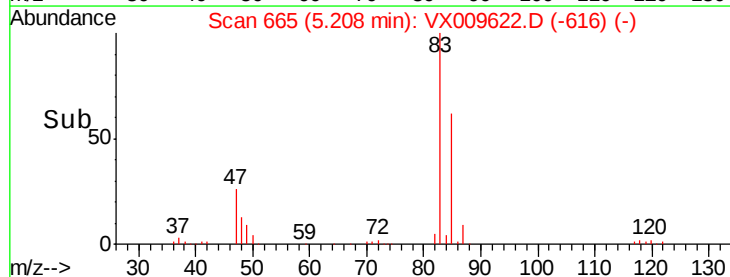
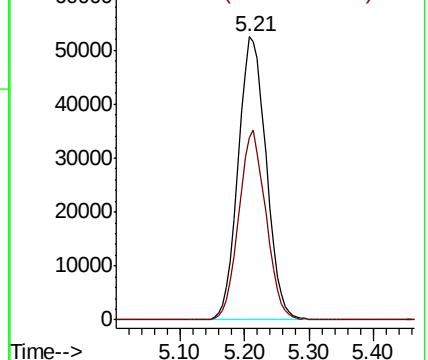
83 100

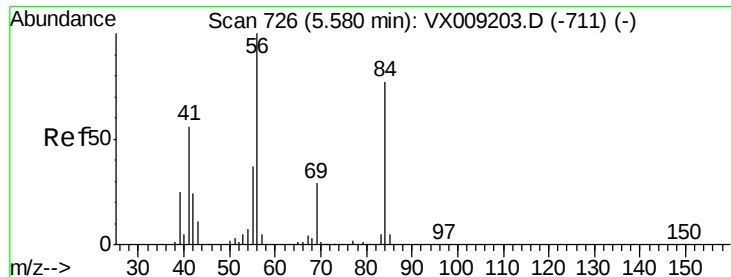
85 64.3 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

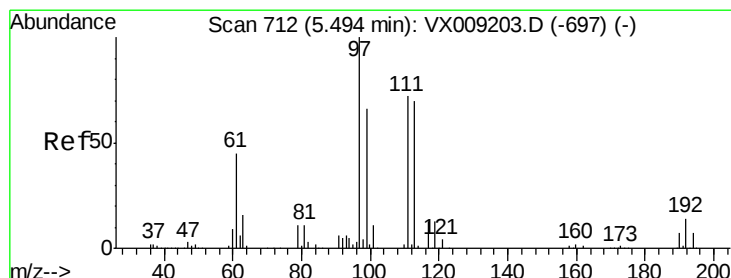
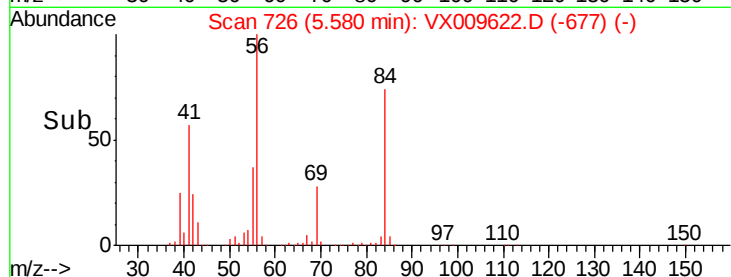
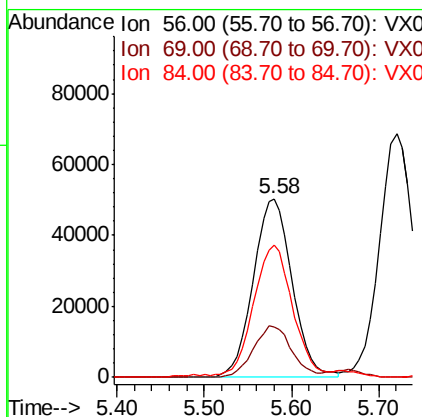
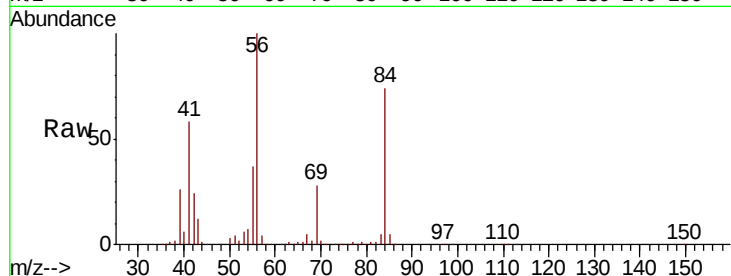




#31
Cyclohexane
Concen: 48.482 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

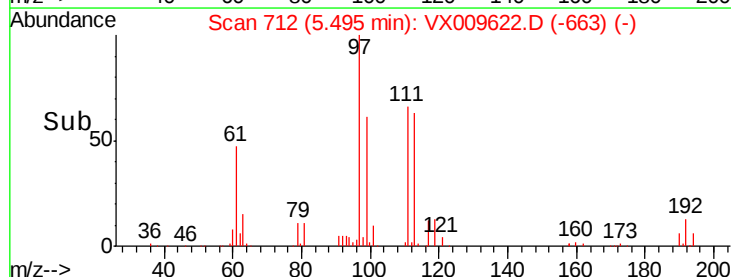
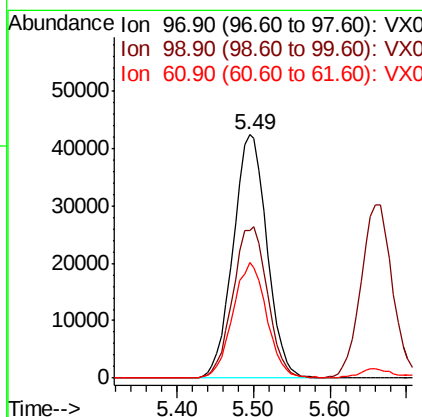
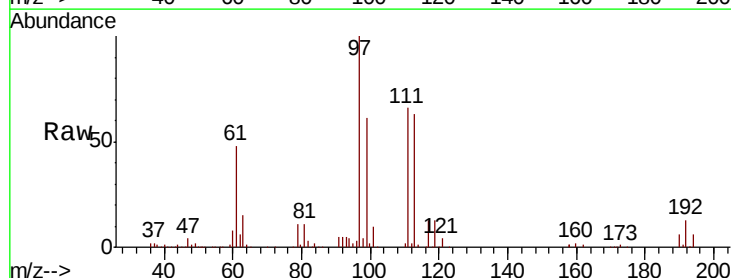
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 156061
Ion Ratio Lower Upper
56 100
69 28.3 23.4 35.0
84 73.2 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 49.900 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion: 97 Resp: 129986
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.8
61 47.7 37.8 56.8





#33

1,2-Dichloroethane-d4

Concen: 49.017 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

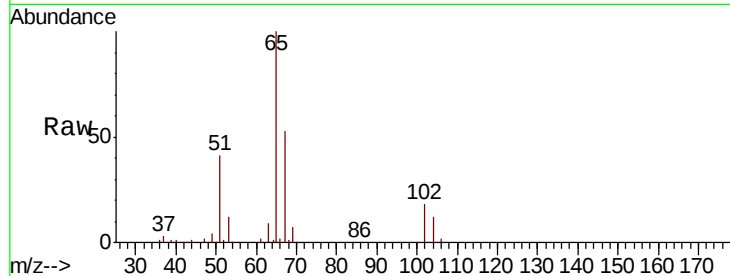
VSTDCCC050EC

Tot Ion: 65 Resp: 106723

Ion Ratio Lower Upper

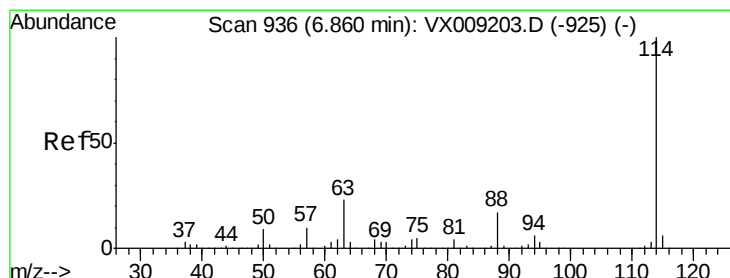
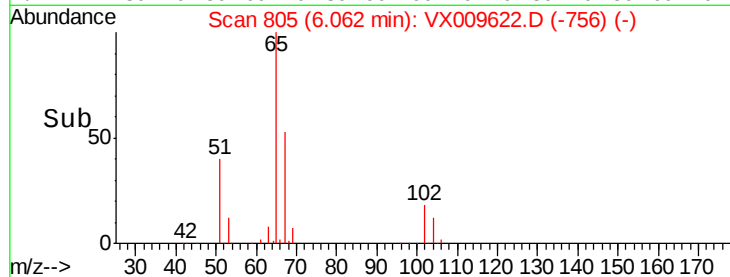
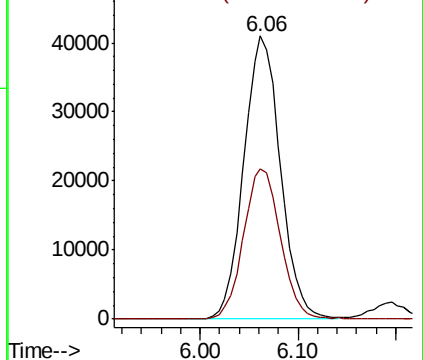
65 100

67 54.0 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

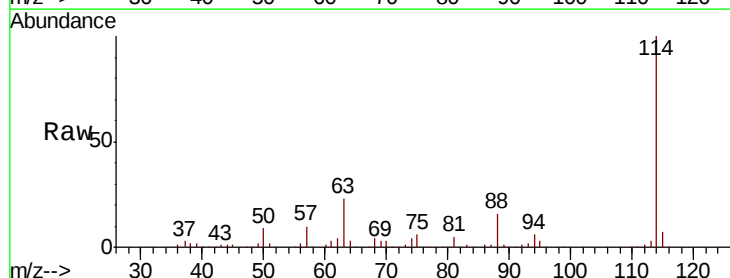
Tgt Ion: 114 Resp: 253510

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.6

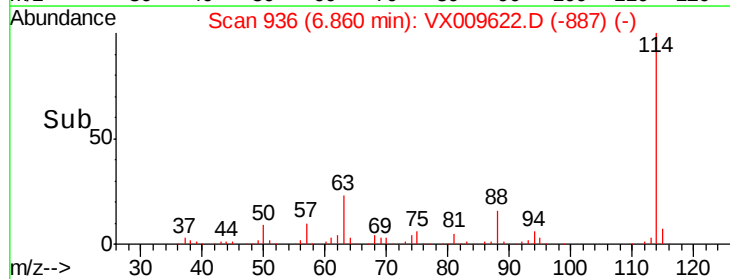
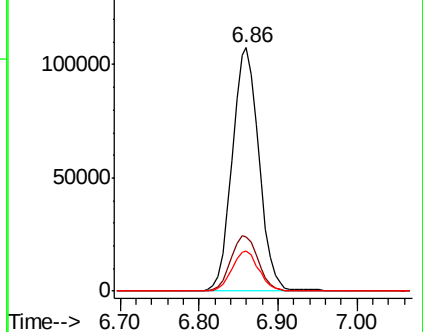
88 16.3 0.0 33.2

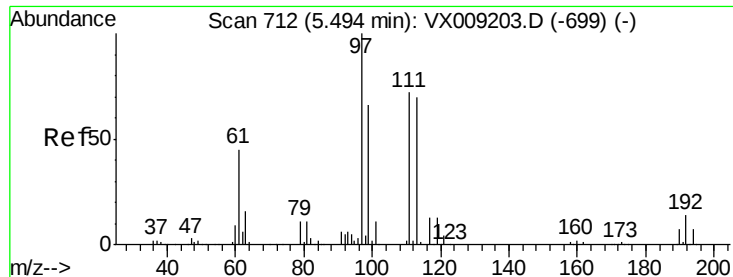


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

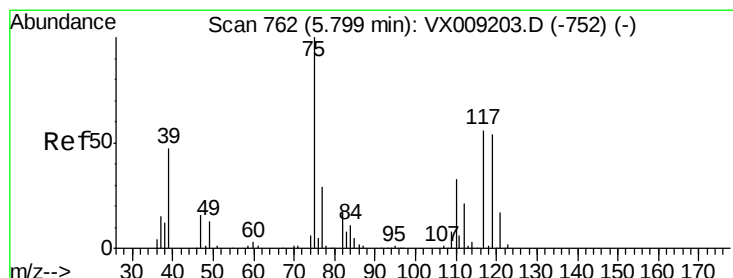
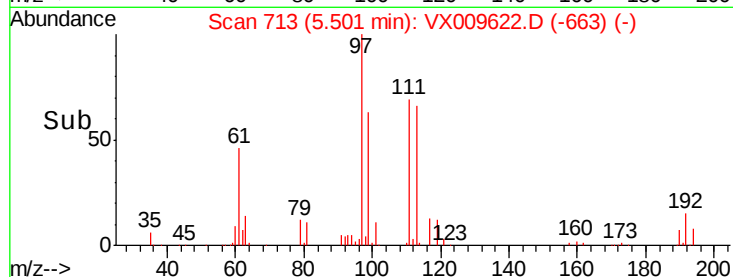
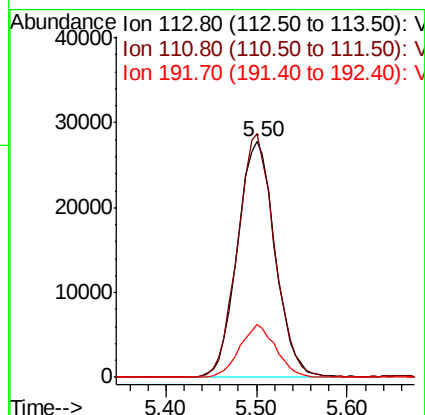
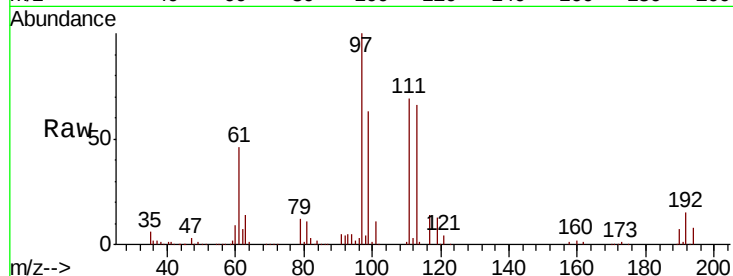




#35
 Dibromofluoromethane
 Concen: 50.125 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

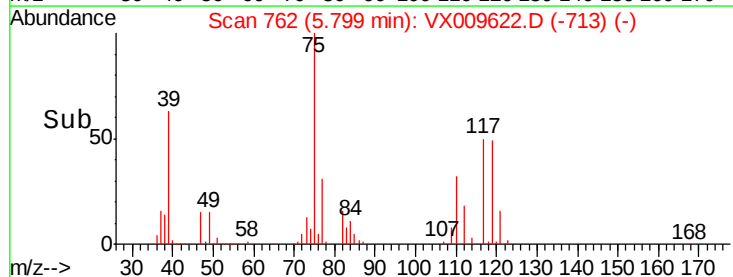
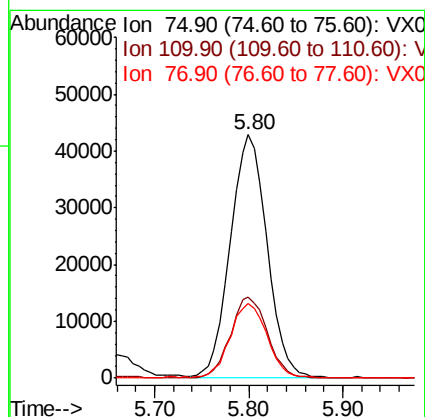
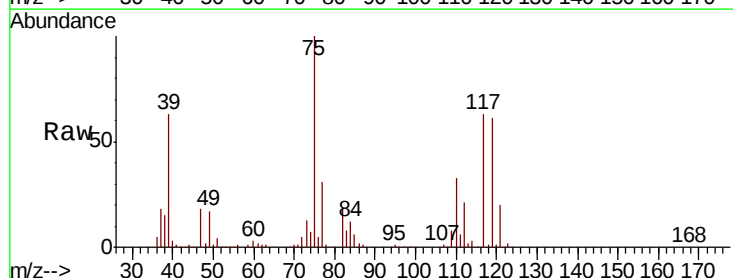
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

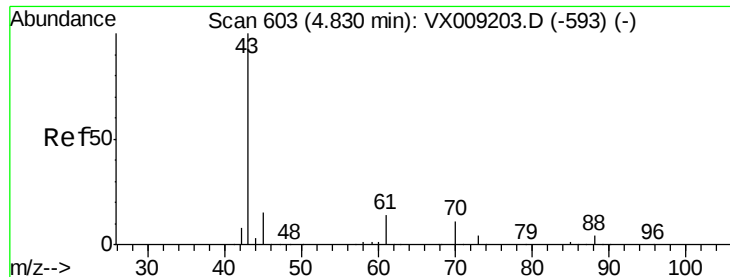
Tot Ion:113 Resp: 79882
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.8 124.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 49.160 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion: 75 Resp: 115815
 Ion Ratio Lower Upper
 75 100
 110 33.7 16.9 50.6
 77 31.4 24.8 37.2





#37

Ethyl Acetate

Concen: 53.867 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

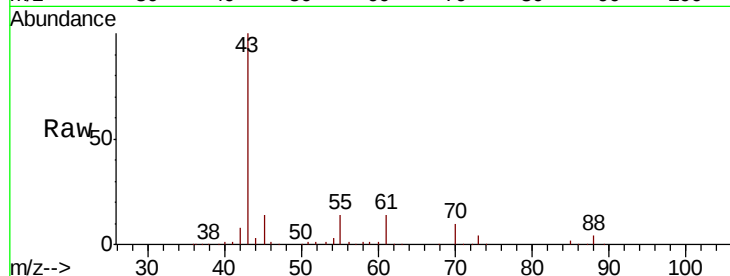
Tot Ion: 43 Resp: 176818

Ion Ratio Lower Upper

43 100

61 13.6 10.5 15.7

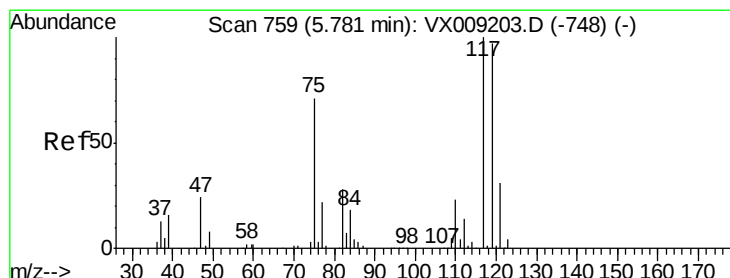
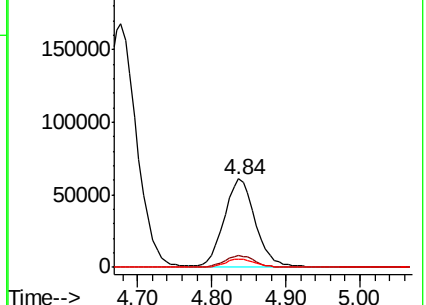
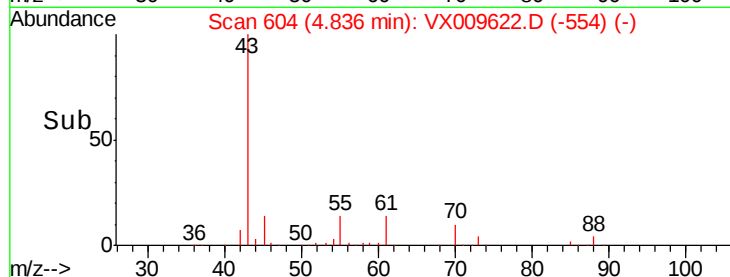
70 9.6 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX009622.D (-554) (-)

Ion 60.90 (60.60 to 61.60): VX009622.D (-554) (-)

Ion 70.00 (69.70 to 70.70): VX009622.D (-554) (-)



#38

Carbon Tetrachloride

Concen: 50.084 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

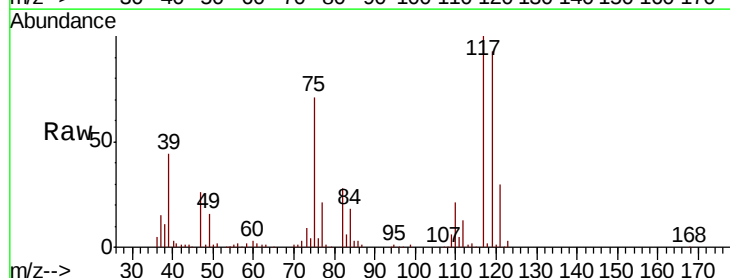
Tgt Ion: 117 Resp: 107204

Ion Ratio Lower Upper

117 100

119 93.1 77.5 116.3

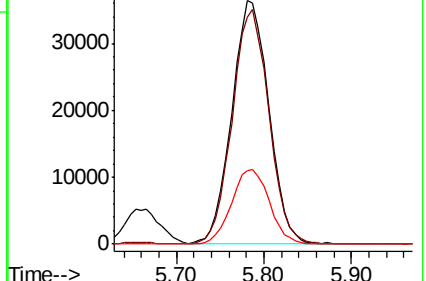
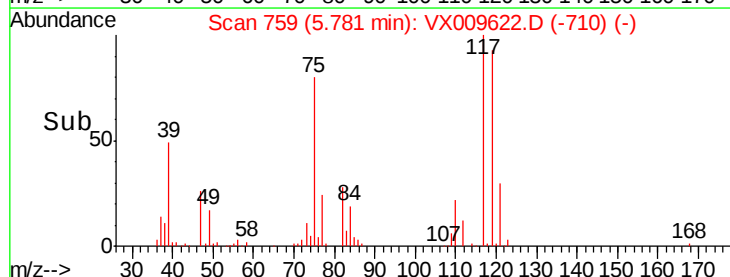
121 30.1 24.7 37.1

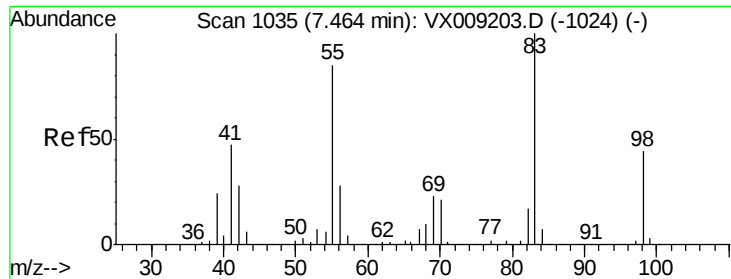


Abundance Ion 116.80 (116.50 to 117.50): VX009622.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX009622.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX009622.D (-710) (-)

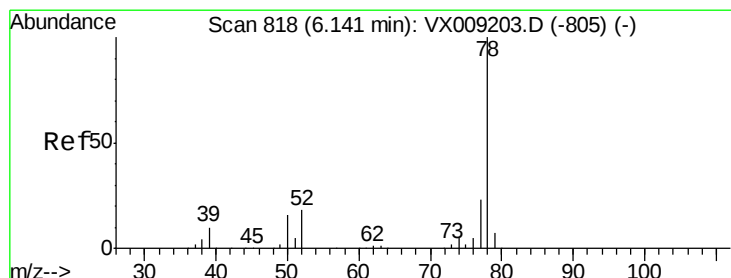
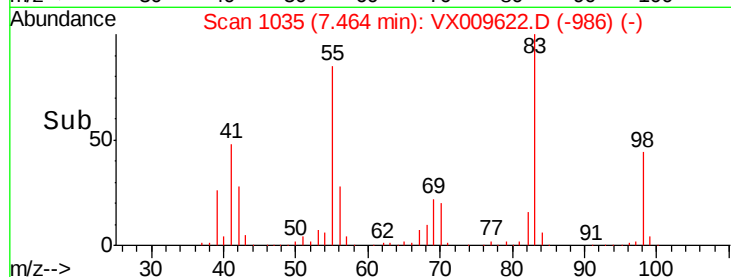
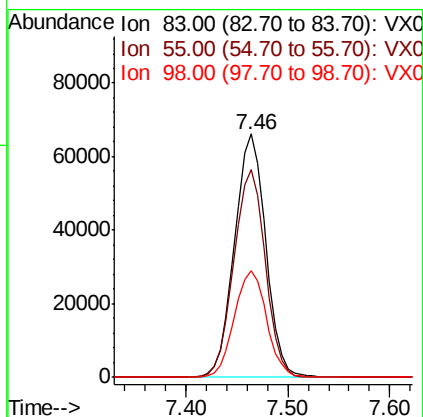
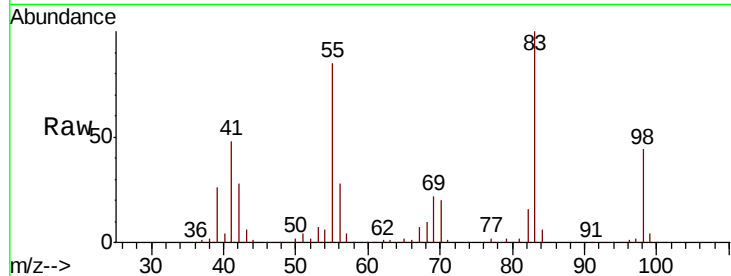




#39
Methvlcvclohexane
Concen: 48.562 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

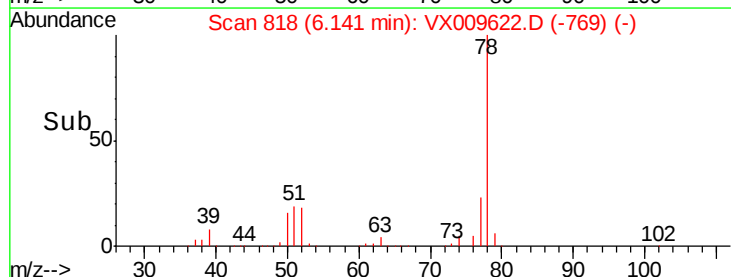
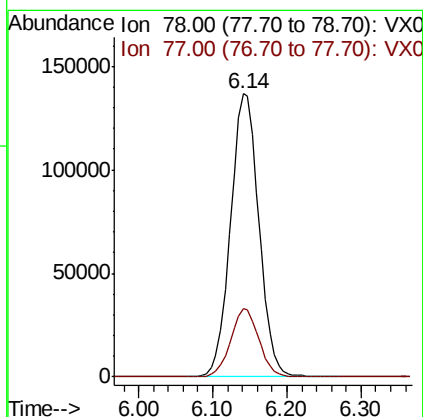
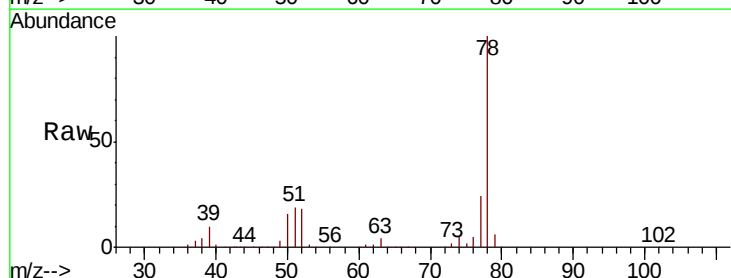
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

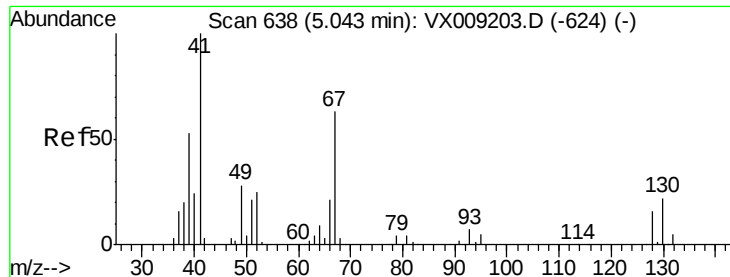
Tot Ion: 83 Resp: 140503
Ion Ratio Lower Upper
83 100
55 85.3 67.7 101.5
98 43.7 35.5 53.3



#40
Benzene
Concen: 50.050 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion: 78 Resp: 364917
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2





#41

Methacrylonitrile

Concen: 51.886 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 101383

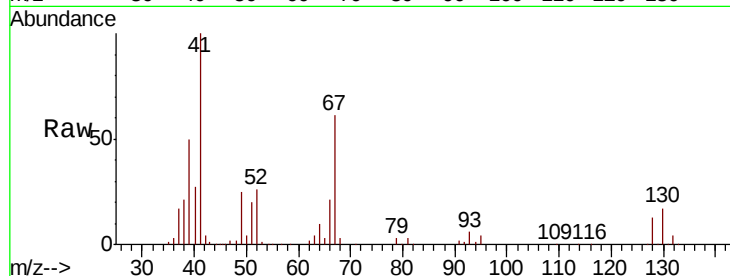
Ion Ratio Lower Upper

41 100

39 52.3 42.0 63.0

67 62.3 49.8 74.8

52 26.3 20.3 30.5

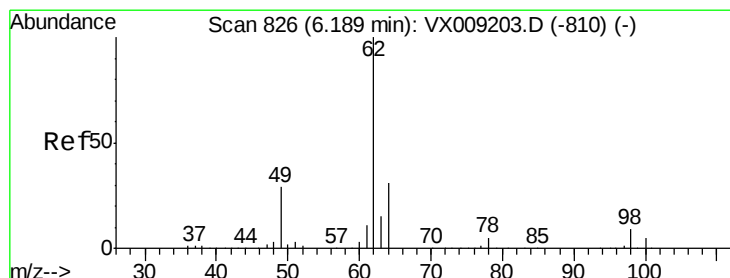
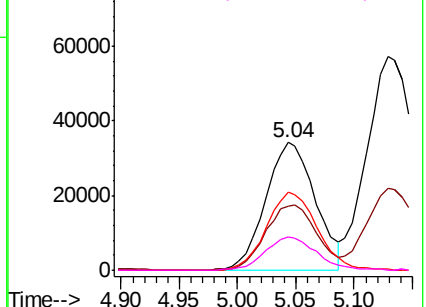
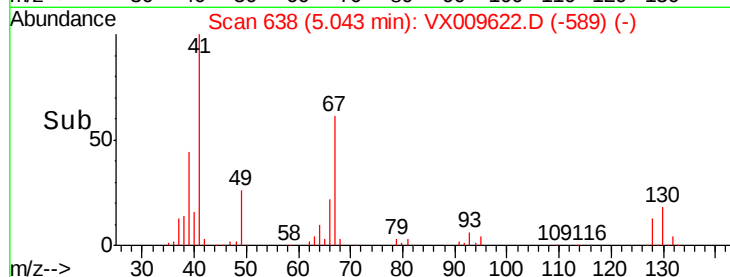


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 51.448 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009622.D

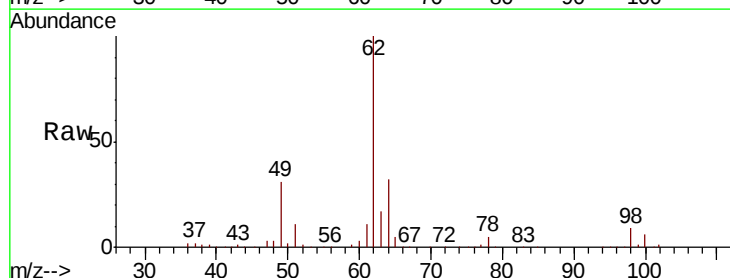
Acq: 16 May 2019 21:02

Tgt Ion: 62 Resp: 134560

Ion Ratio Lower Upper

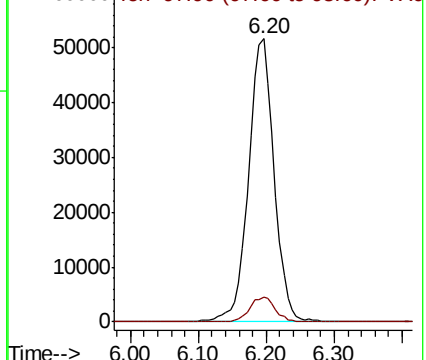
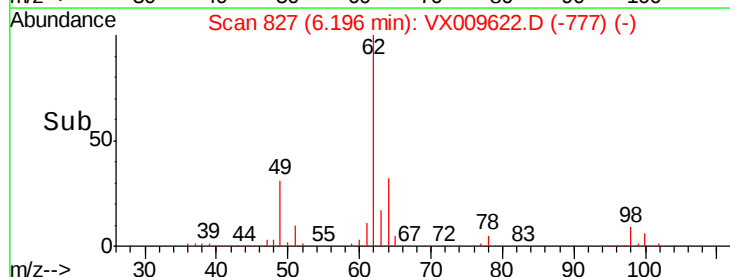
62 100

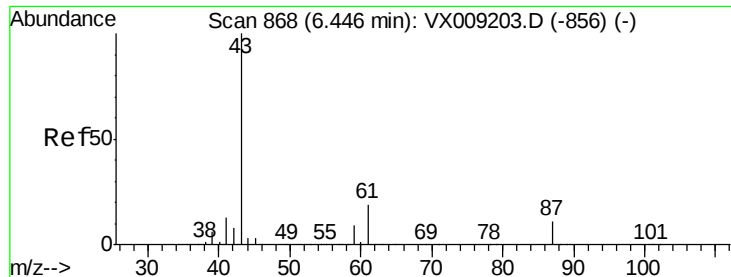
98 8.7 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



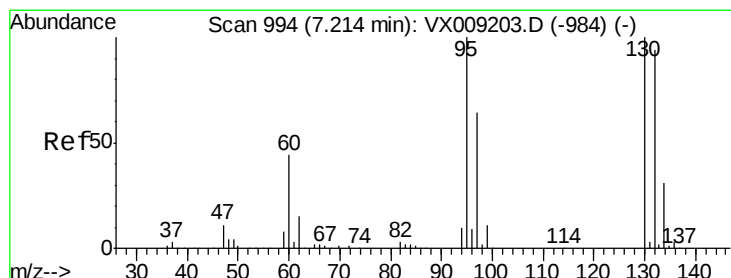
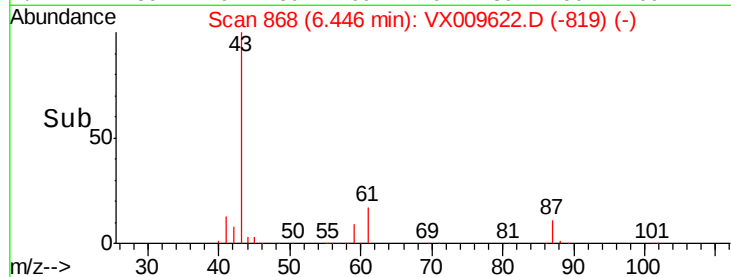
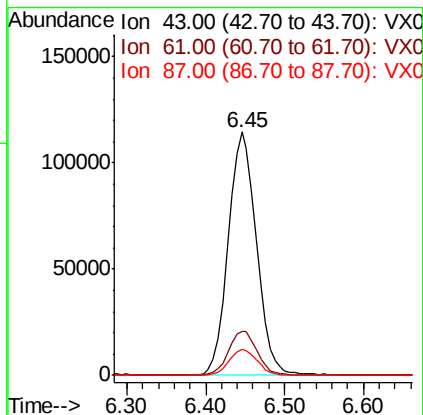
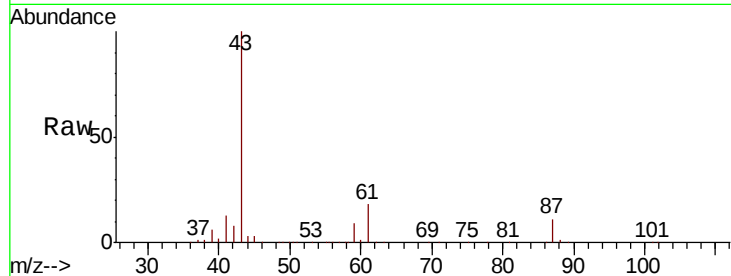


#43

Isopropyl Acetate
 Concen: 53.963 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

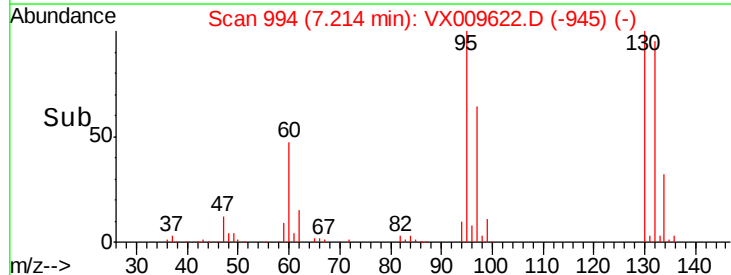
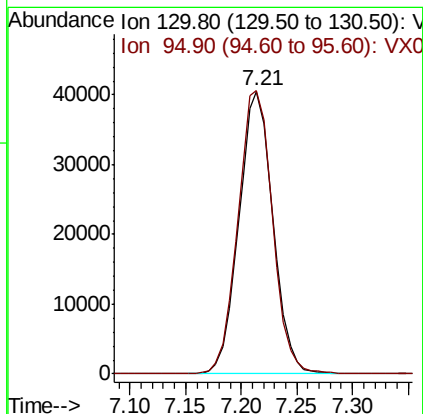
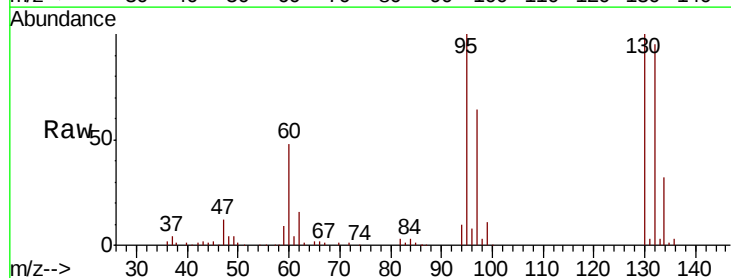
Tot Ion	43	Resp	283331
Ion Ratio	Lower	Upper	
43	100		
61	18.6	15.1	22.7
87	10.9	9.0	13.6

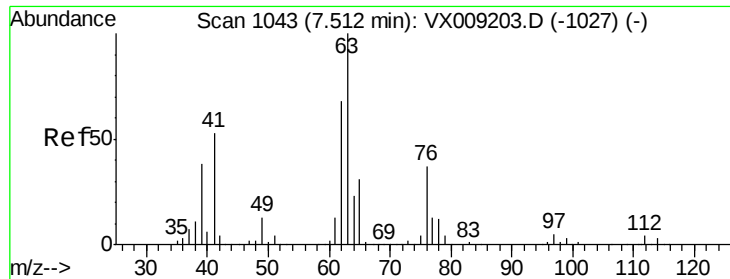


#44

Trichloroethene
 Concen: 48.756 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion	130	Resp	85939
Ion Ratio	Lower	Upper	
130	100		
95	100.2	0.0	199.2





#45

1,2-Dichloropropane

Concen: 51.260 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

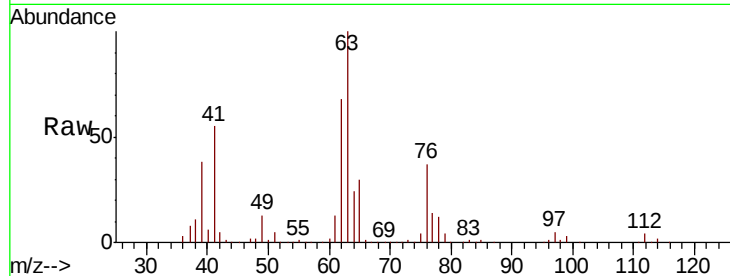
VSTDCCC050EC

Tot Ion: 63 Resp: 105828

Ion Ratio Lower Upper

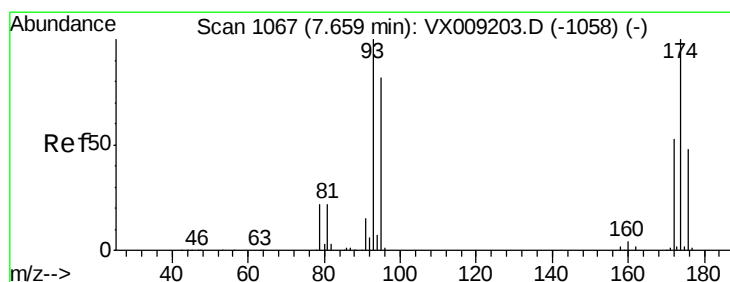
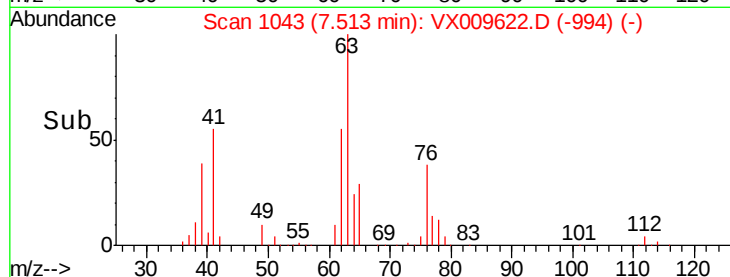
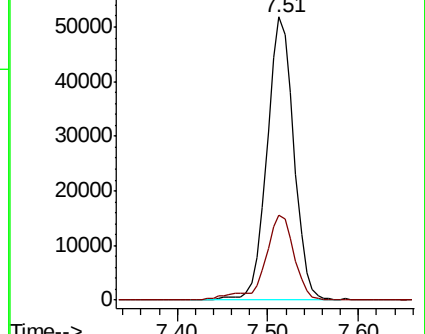
63 100

65 30.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.789 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

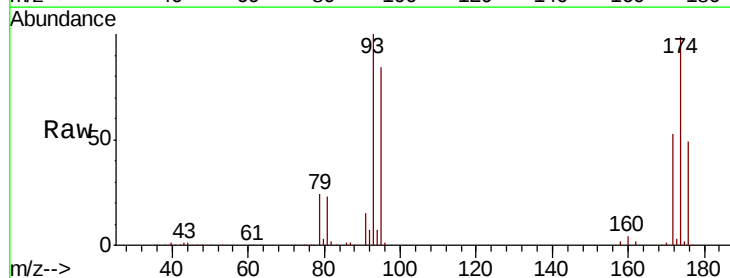
Tgt Ion: 93 Resp: 59692

Ion Ratio Lower Upper

93 100

95 84.4 66.5 99.7

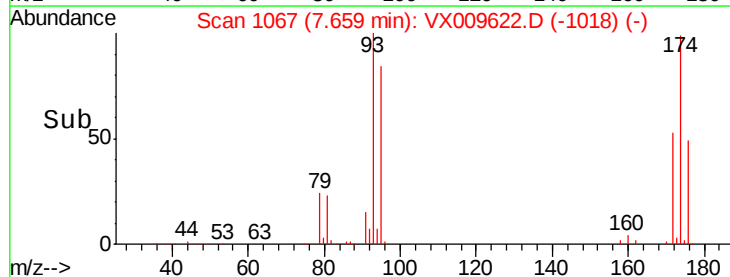
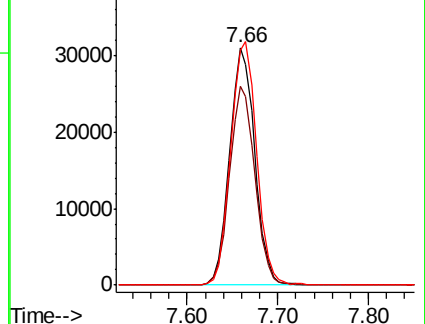
174 105.3 82.1 123.1

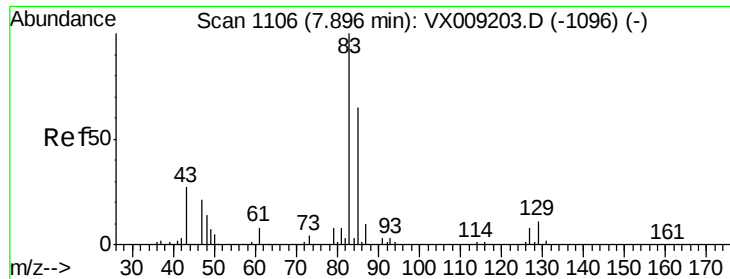


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.742 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

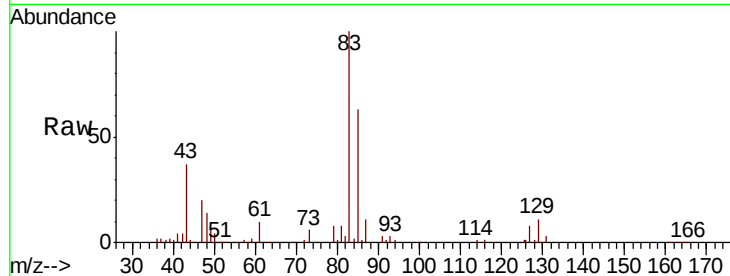
Tot Ion: 83 Resp: 123741

Ion Ratio Lower Upper

83 100

85 62.7 52.4 78.6

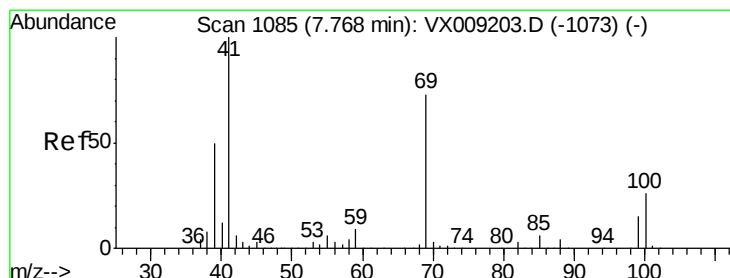
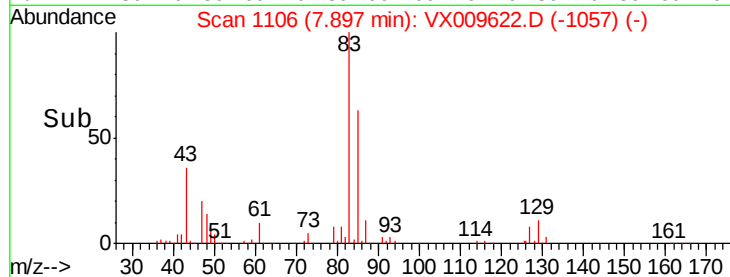
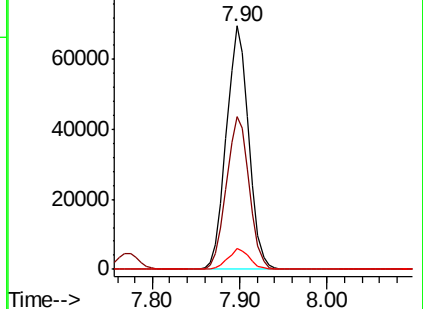
127 8.3 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): VX0



#48

Methyl methacrylate

Concen: 54.982 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

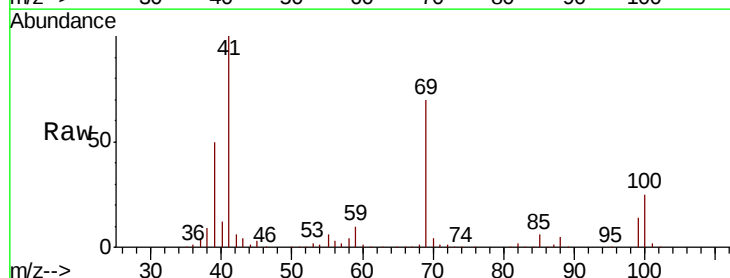
Tgt Ion: 41 Resp: 143222

Ion Ratio Lower Upper

41 100

69 73.0 59.1 88.7

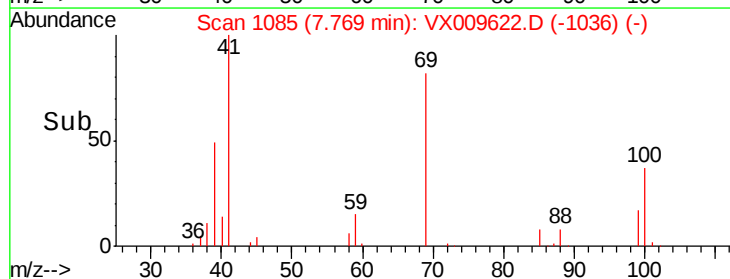
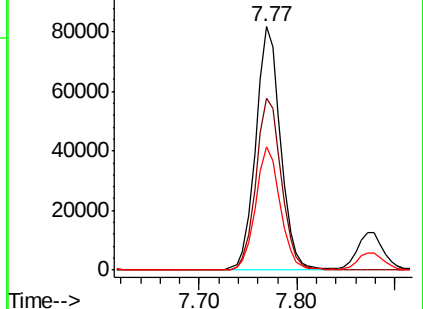
39 50.6 40.4 60.6

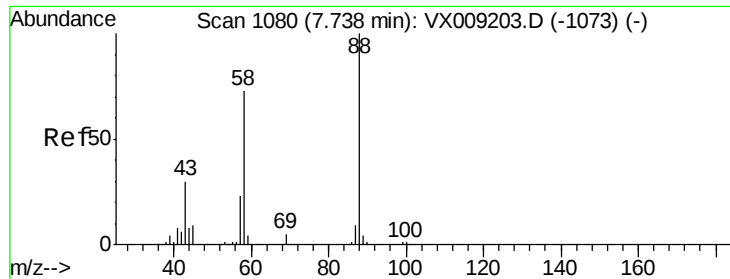


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

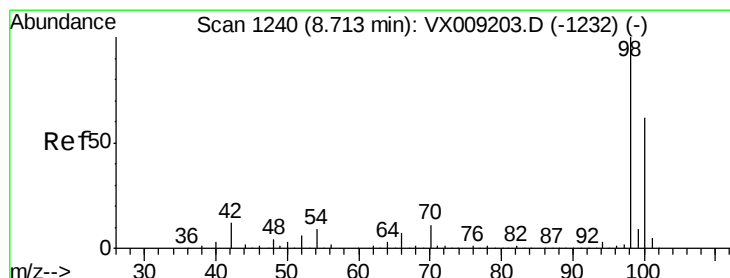
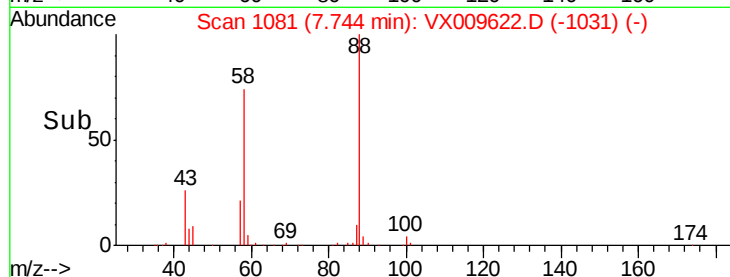
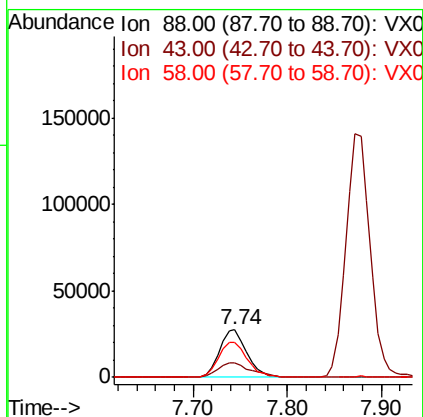
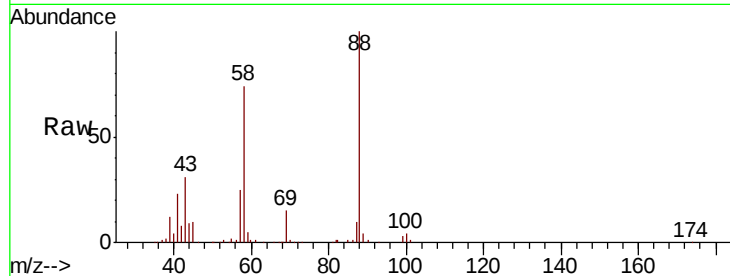




#49
1,4-Dioxane
Concen: 1045.471 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

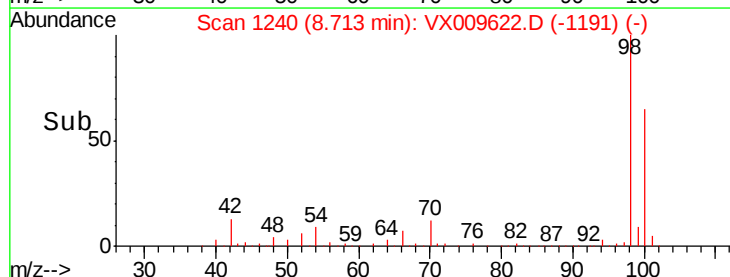
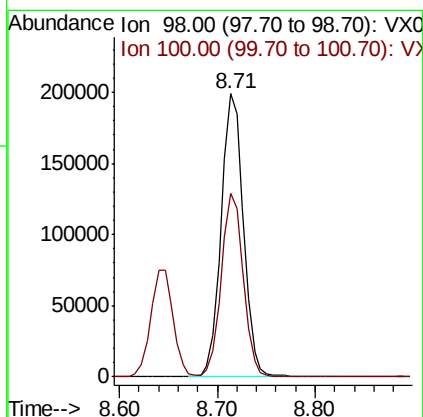
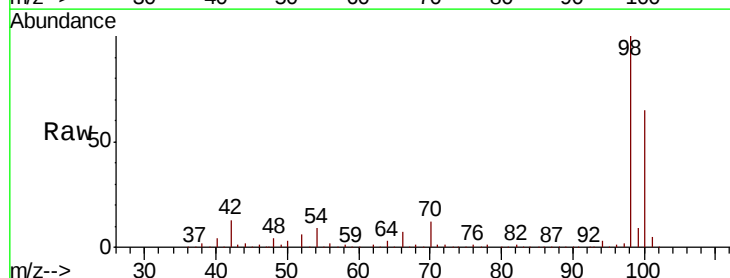
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

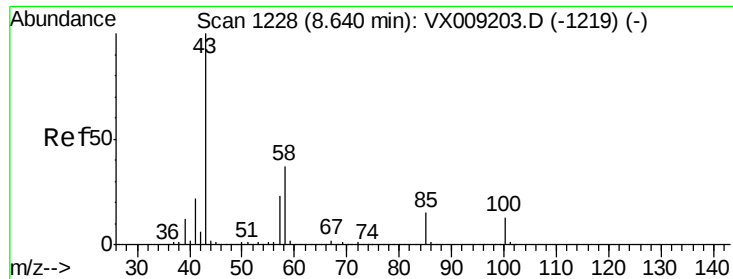
Tot Ion: 88 Resp: 55229
Ion Ratio Lower Upper
88 100
43 35.9 28.6 42.8
58 78.1 61.7 92.5



#50
Toluene-d8
Concen: 48.916 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion: 98 Resp: 314726
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 282.796 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

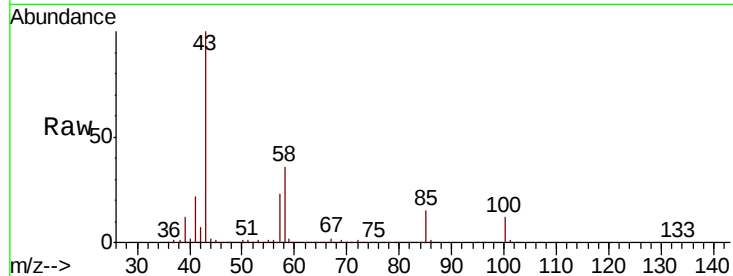
VSTDCCC050EC

Tot Ion: 43 Resp: 970507

Ion Ratio Lower Upper

43 100

58 36.3 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

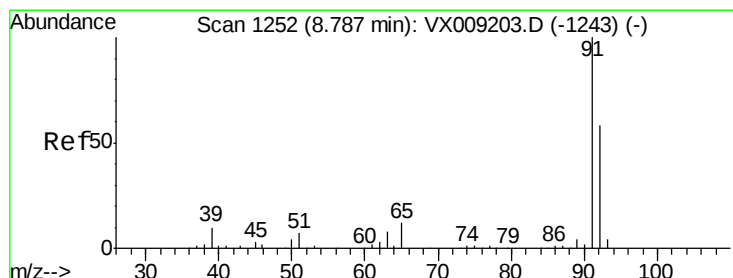
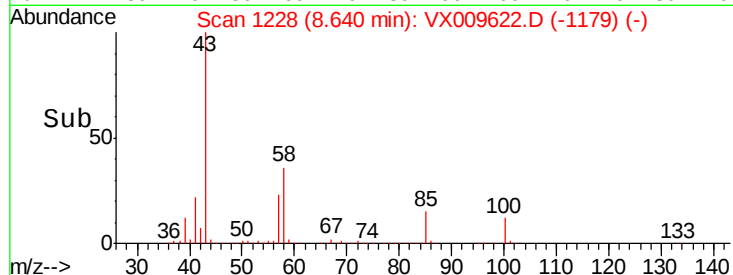
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.780 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009622.D

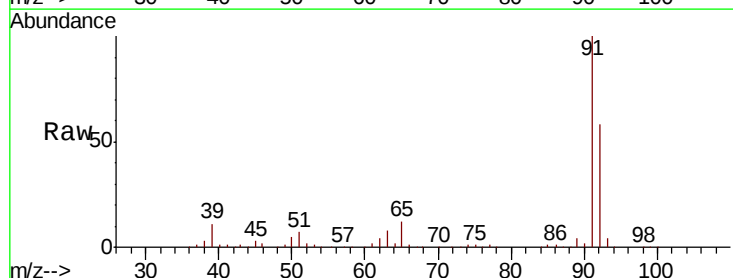
Acq: 16 May 2019 21:02

Tgt Ion: 92 Resp: 225059

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

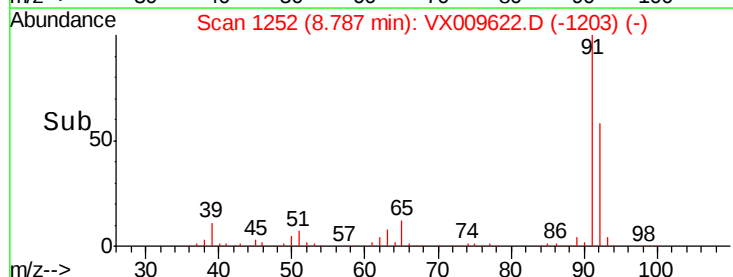
150000

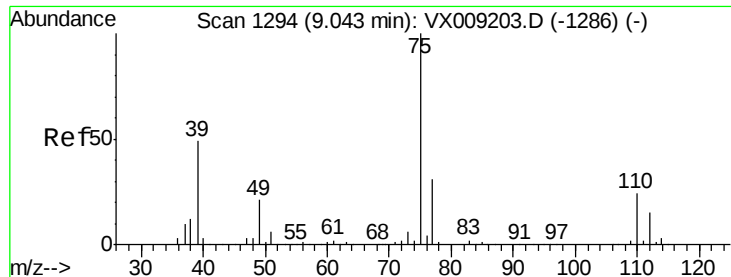
100000

50000

0

Time-->

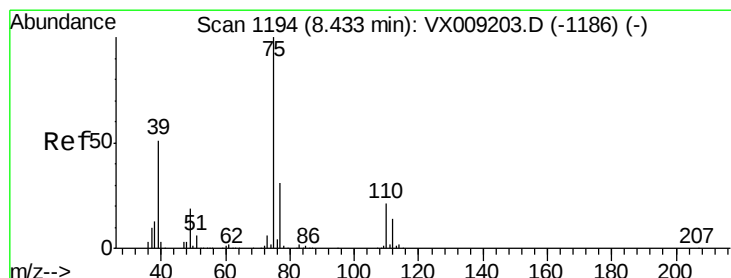
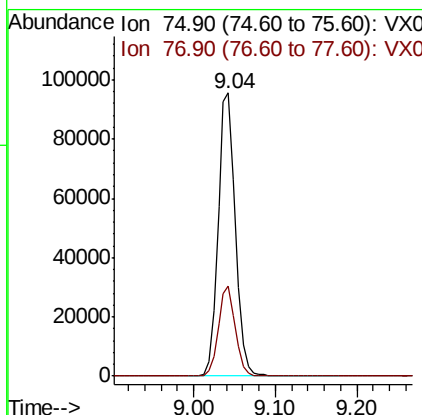
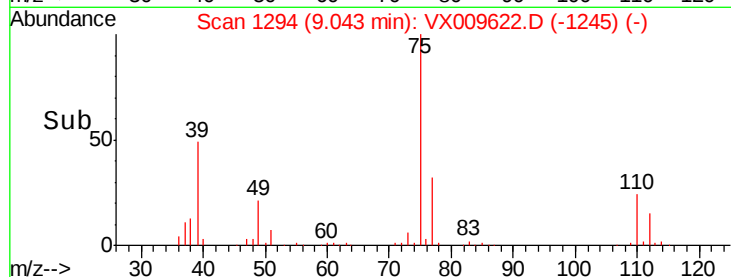
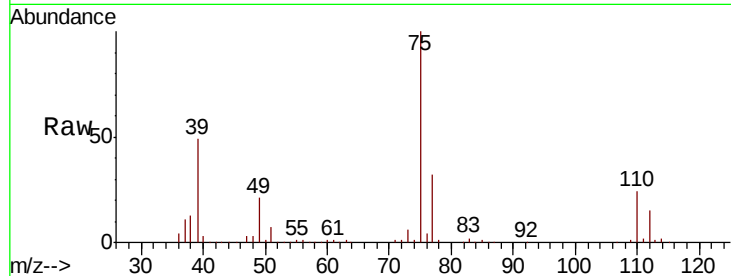




#53
 t-1,3-Dichloropropene
 Concen: 52.586 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

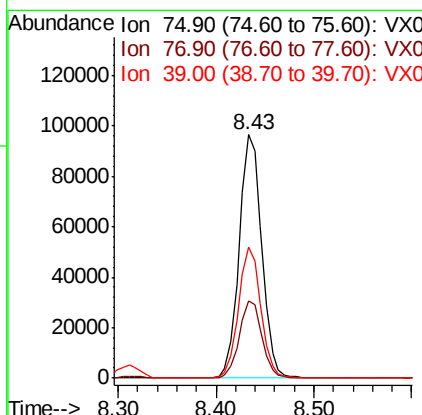
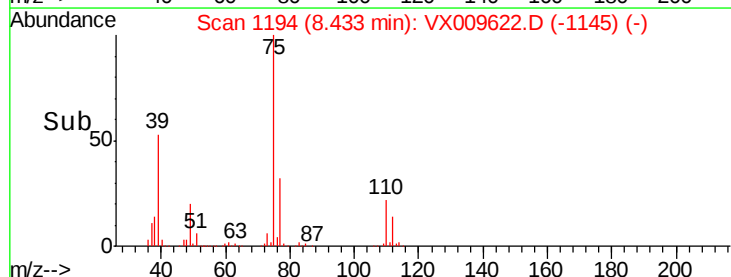
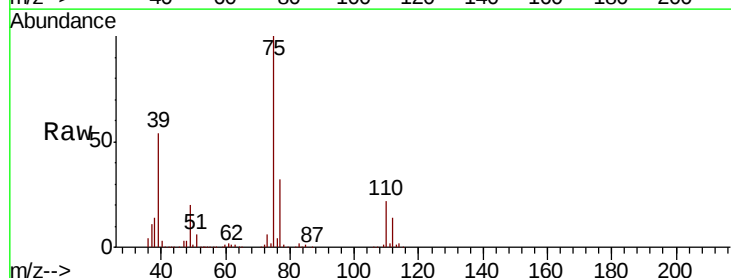
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 75 Resp: 141983
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 51.658 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion: 75 Resp: 154381
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.6 36.8
 39 53.5 40.6 60.8

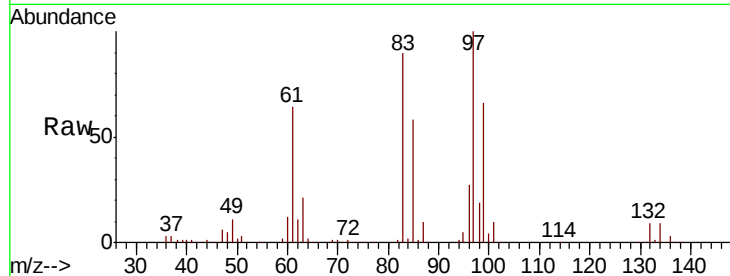




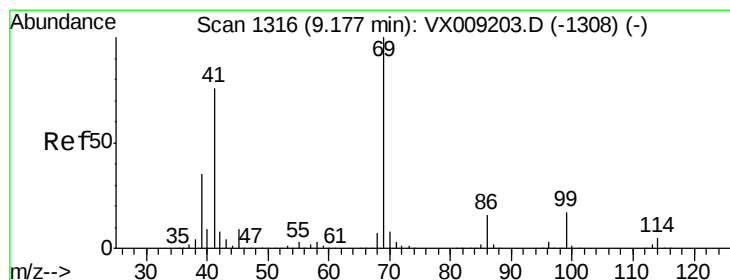
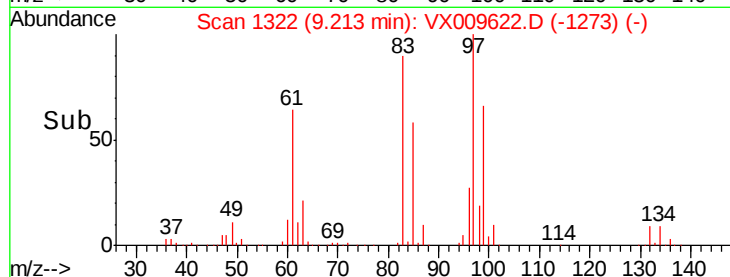
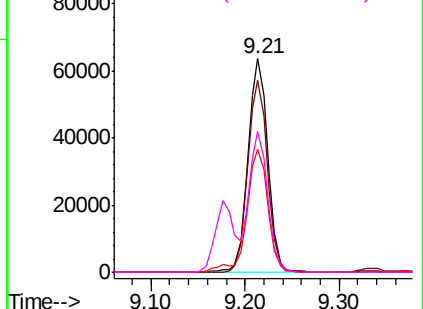
#55
 1,1,2-Trichloroethane
 Concen: 51.633 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	93361
Ion	Ratio	Lower	Upper
97	100		
83	89.7	68.9	103.3
85	57.8	43.8	65.6
99	66.1	48.2	72.2

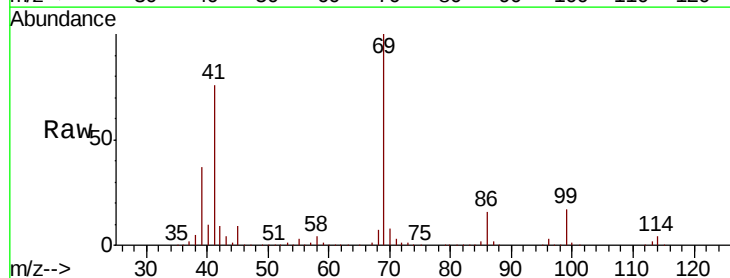


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

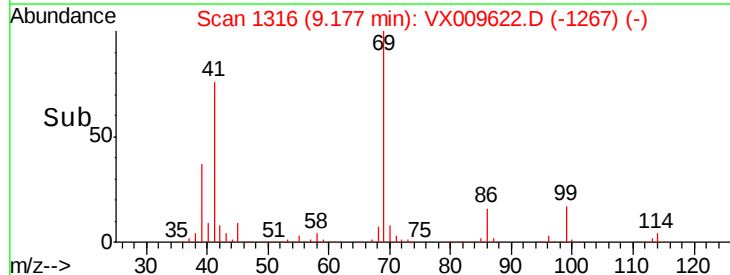
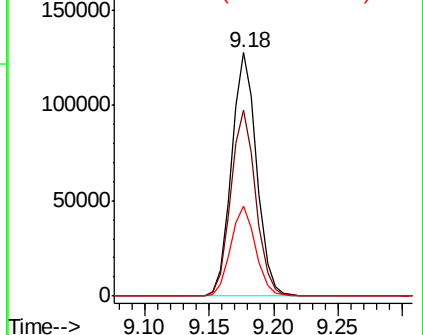


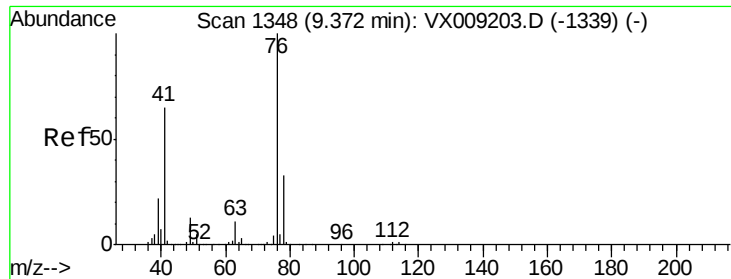
#56
 Ethyl methacrylate
 Concen: 53.885 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion:	69	Resp:	173924
Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.6	90.8
39	36.7	28.2	42.4



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





#57

1,3-Dichloropropane

Concen: 51.446 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

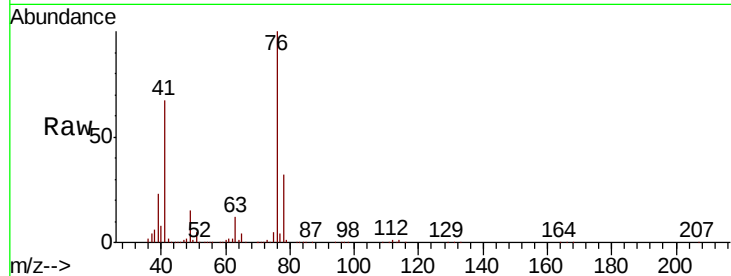
VSTDCCC050EC

Tot Ion: 76 Resp: 163698

Ion Ratio Lower Upper

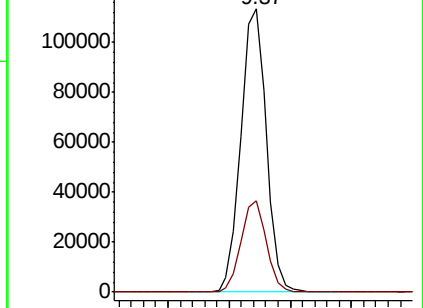
76 100

78 32.3 25.5 38.3

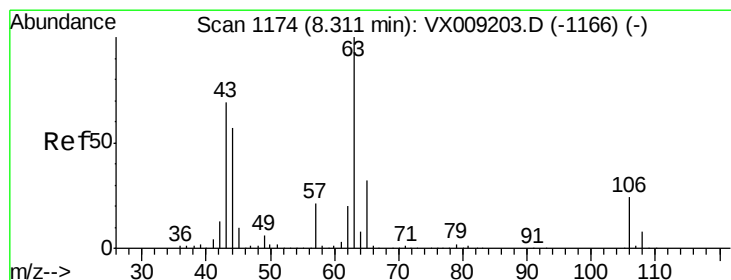
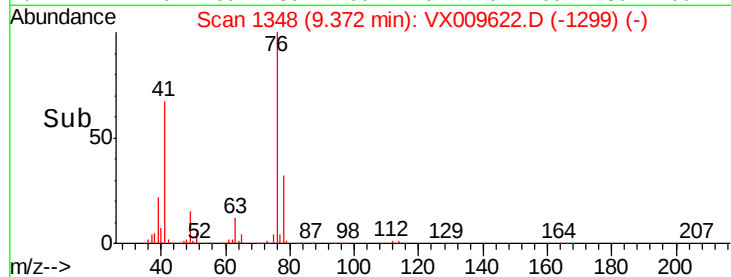


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 224.761 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009622.D

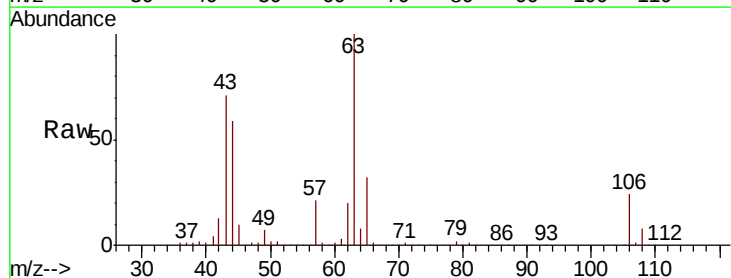
Acq: 16 May 2019 21:02

Tgt Ion: 63 Resp: 384851

Ion Ratio Lower Upper

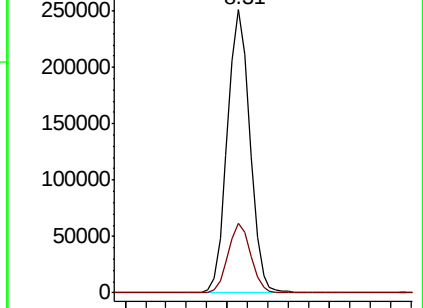
63 100

106 24.6 19.7 29.5

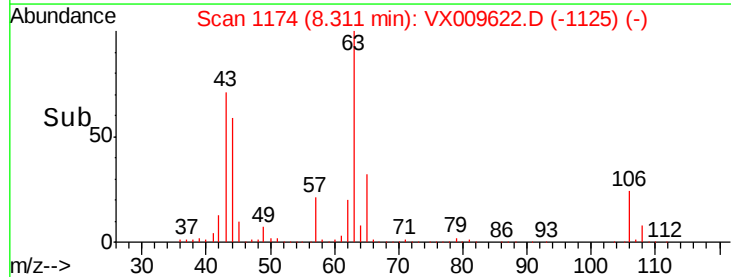


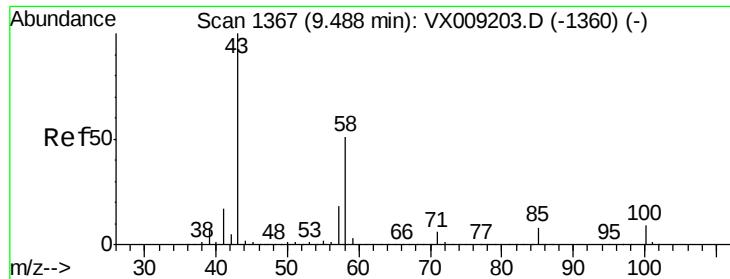
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time-->

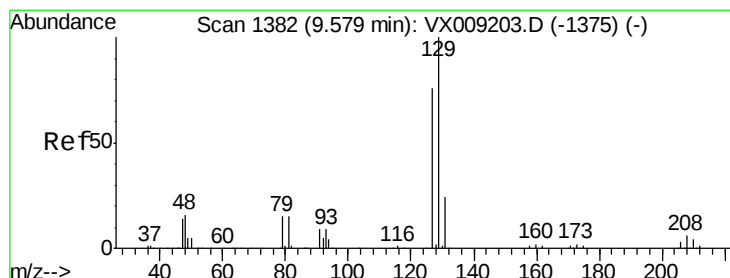
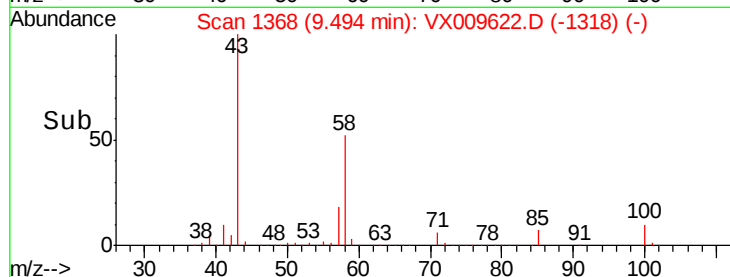
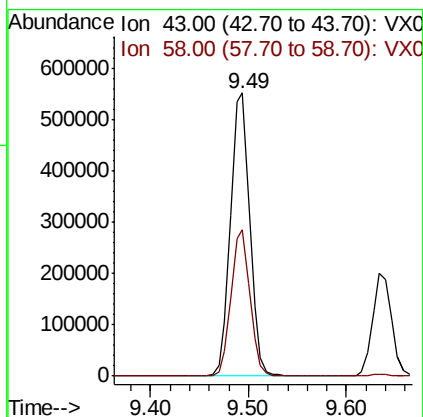
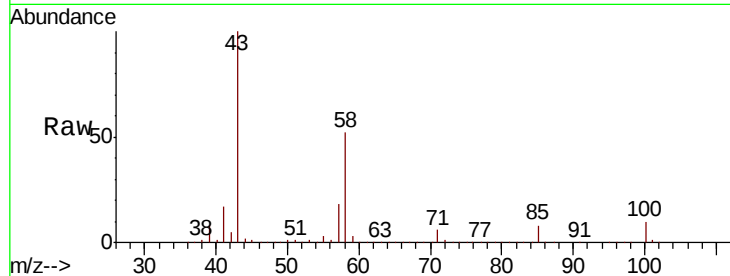




#59
2-Hexanone
Concen: 280.135 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

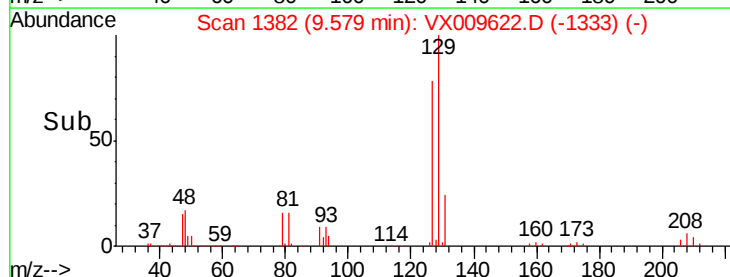
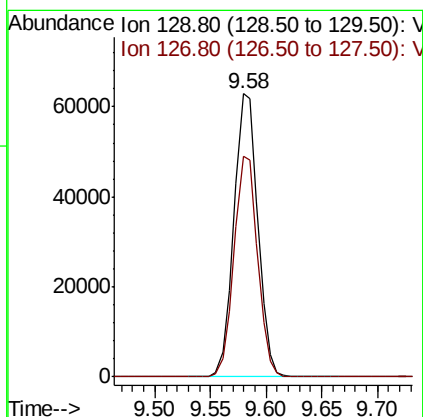
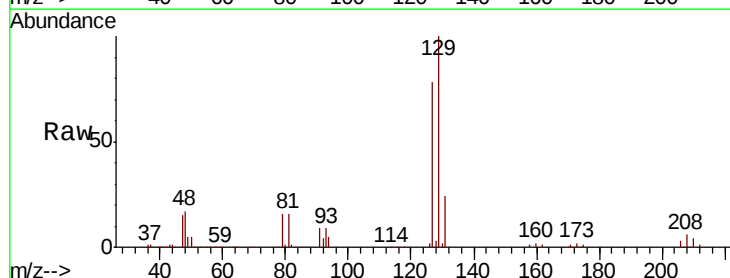
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

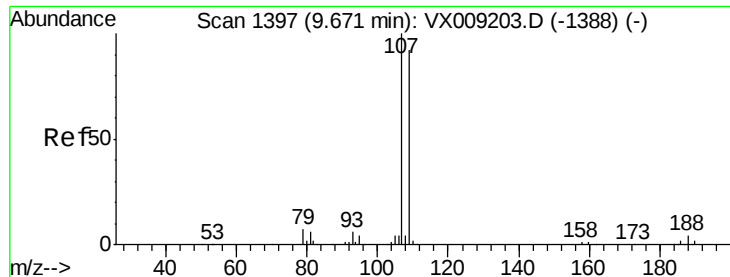
Tot Ion: 43 Resp: 755051
Ion Ratio Lower Upper
43 100
58 50.9 25.9 77.7



#60
Dibromochloromethane
Concen: 53.042 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion: 129 Resp: 93673
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 52.209 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

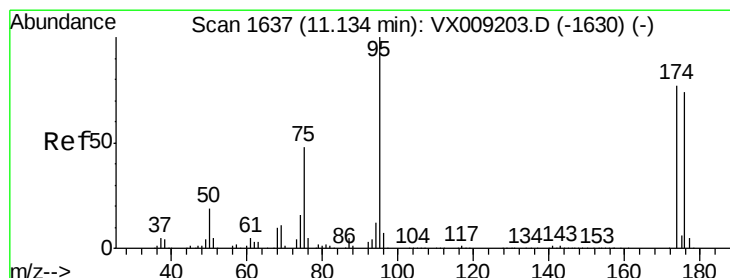
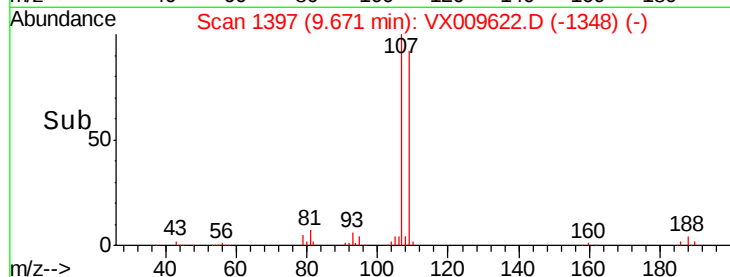
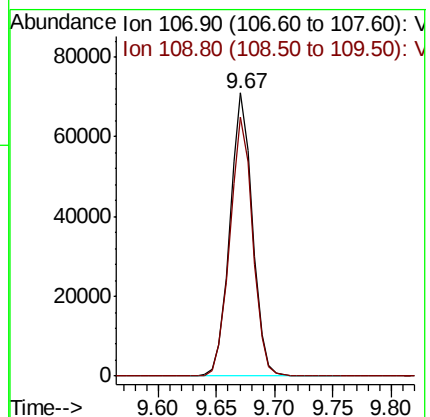
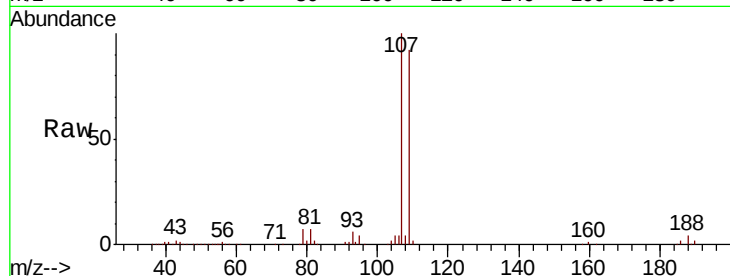
VSTDCCC050EC

Tot Ion:107 Resp: 95292

Ion Ratio Lower Upper

107 100

109 92.8 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 51.701 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

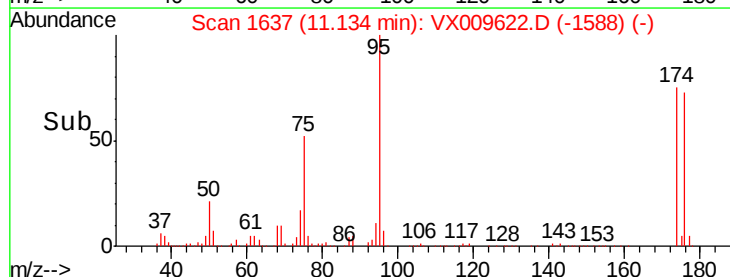
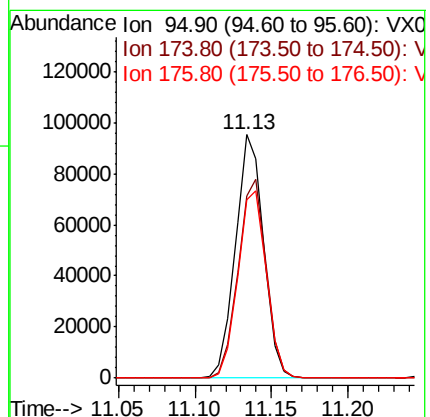
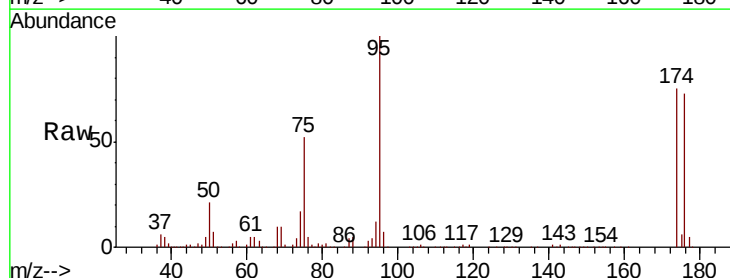
Tgt Ion: 95 Resp: 120871

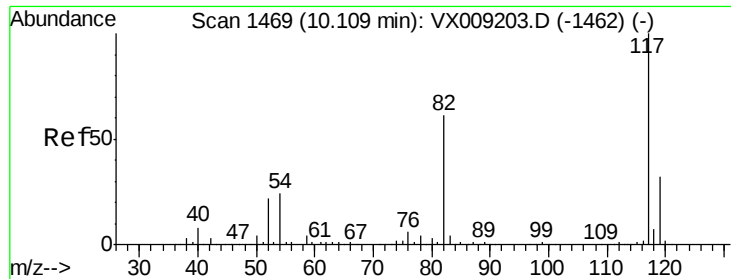
Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.6

176 78.3 0.0 159.2

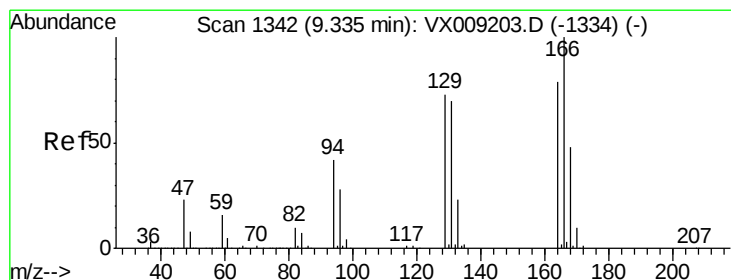
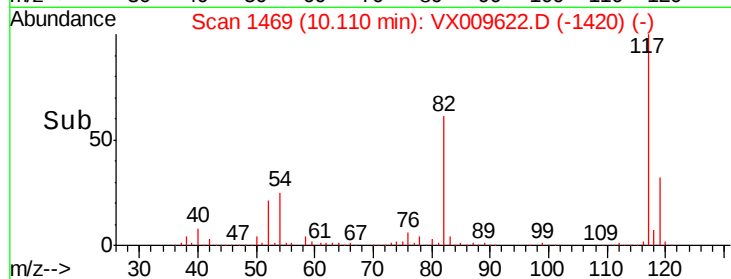
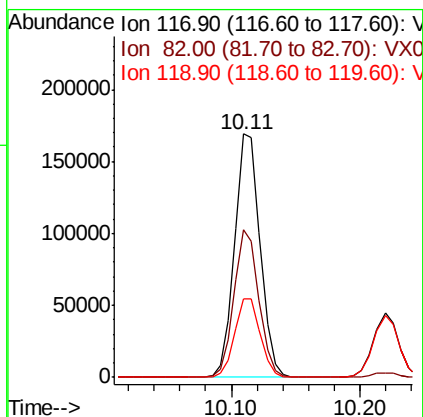
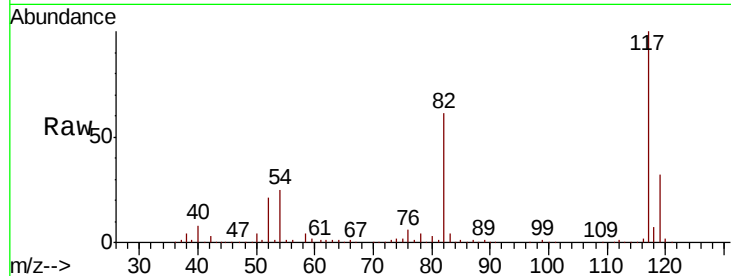




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

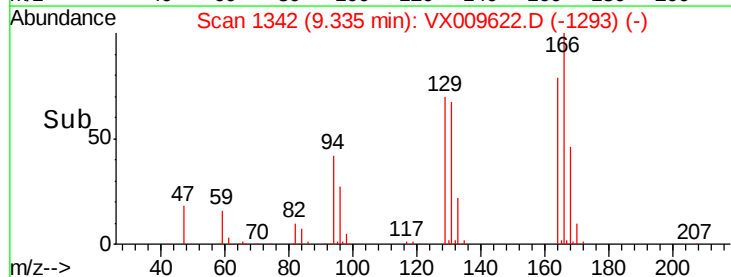
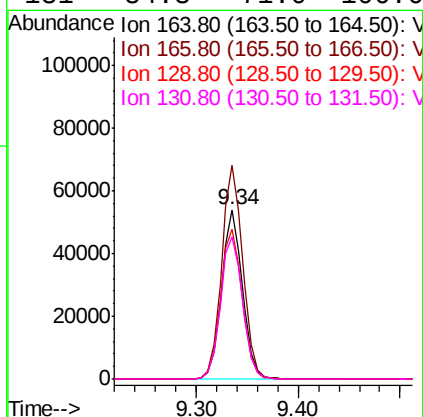
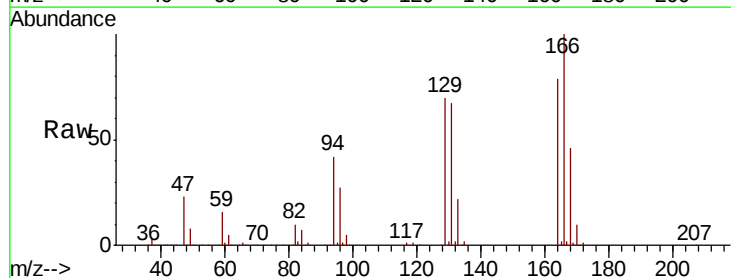
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

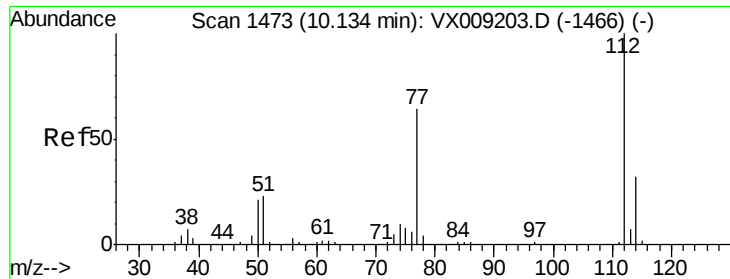
Tot Ion:117 Resp: 234226
Ion Ratio Lower Upper
117 100
82 60.8 48.8 73.2
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 47.526 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion:164 Resp: 76359
Ion Ratio Lower Upper
164 100
166 126.2 101.2 151.8
129 88.5 74.3 111.5
131 84.3 71.0 106.6





#65

Chlorobenzene

Concen: 50.535 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

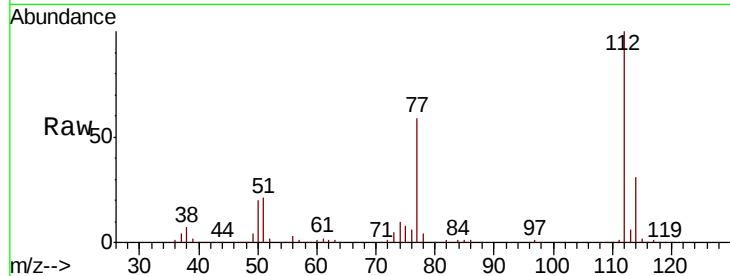
VSTDCCC050EC

Tot Ion:112 Resp: 236785

Ion Ratio Lower Upper

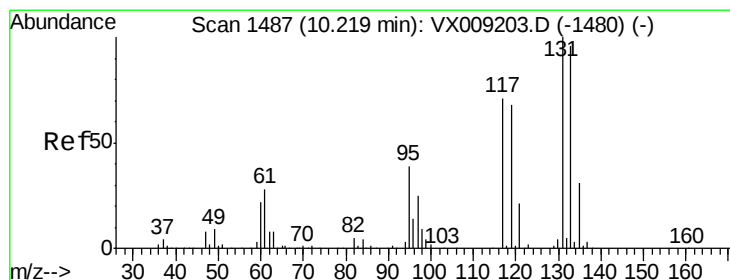
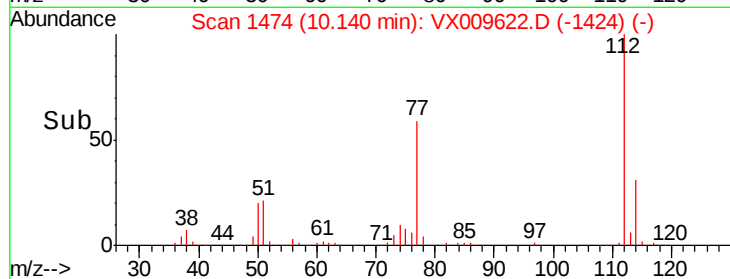
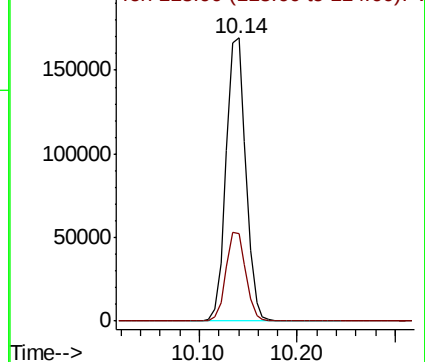
112 100

114 30.8 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.258 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

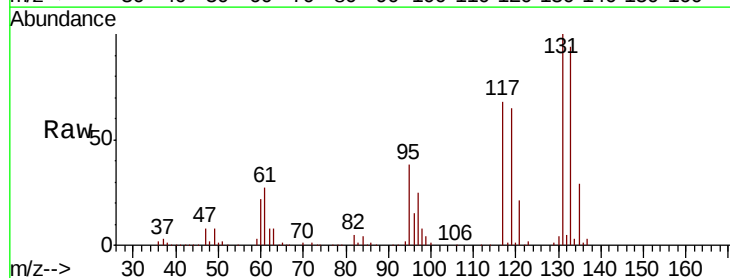
Tgt Ion:131 Resp: 87072

Ion Ratio Lower Upper

131 100

133 94.6 47.7 143.1

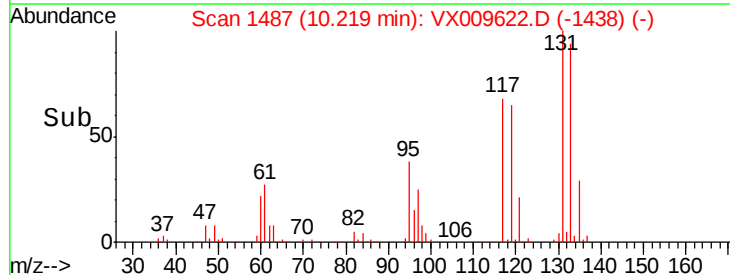
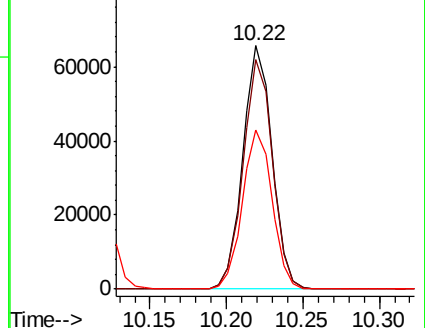
119 66.5 33.5 100.4

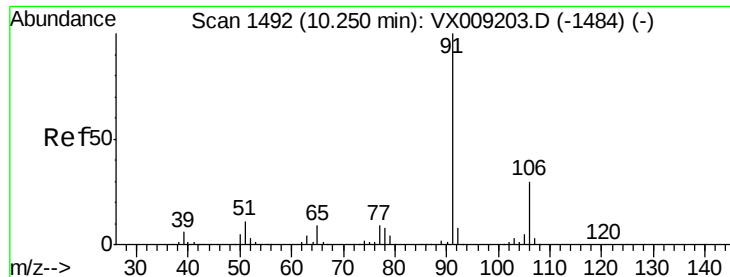


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.975 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

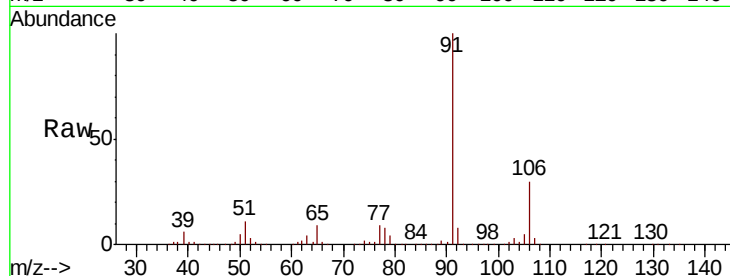
VSTDCCC050EC

Tot Ion: 91 Resp: 439571

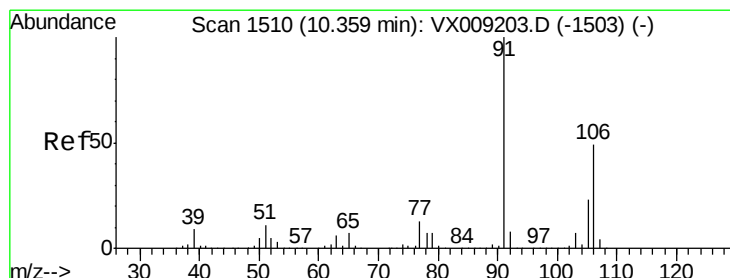
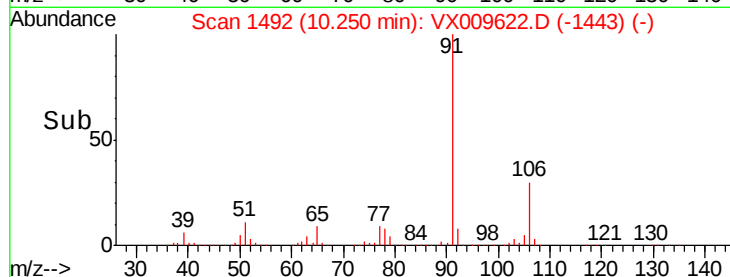
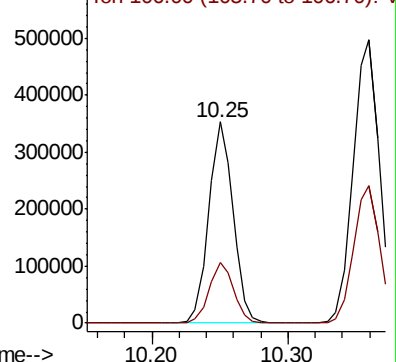
Ion Ratio Lower Upper

91 100

106 30.4 24.0 36.0



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



#68

m/p-Xylenes

Concen: 102.000 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009622.D

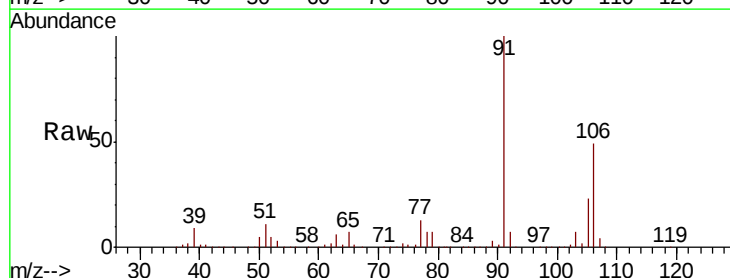
Acq: 16 May 2019 21:02

Tgt Ion: 106 Resp: 321424

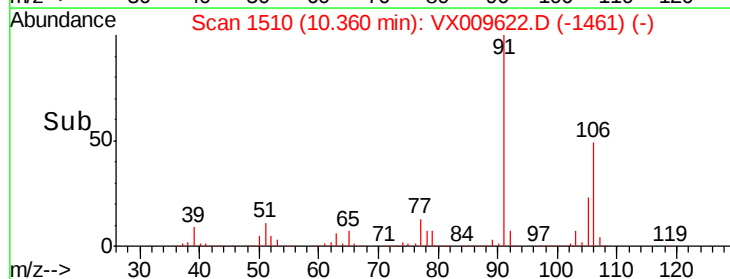
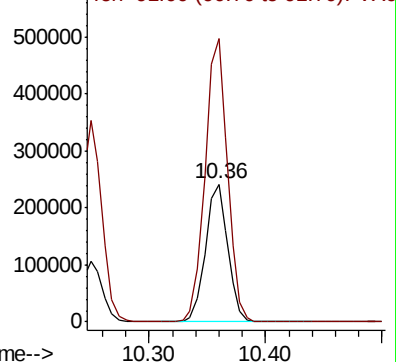
Ion Ratio Lower Upper

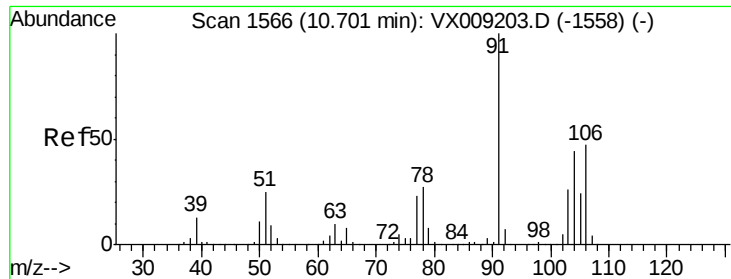
106 100

91 207.4 164.0 246.0



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

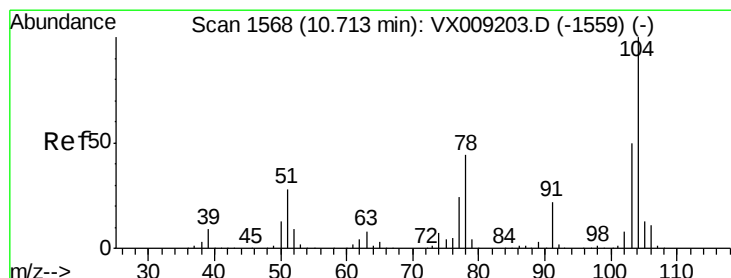
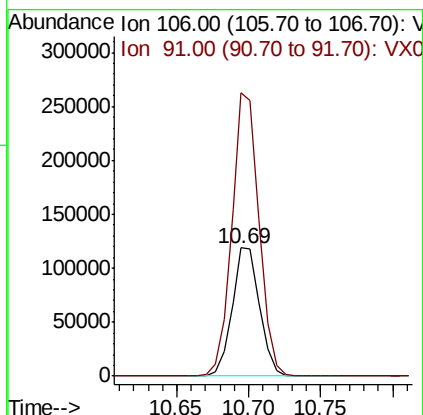
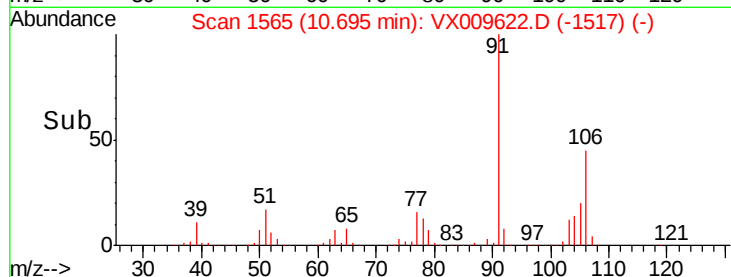
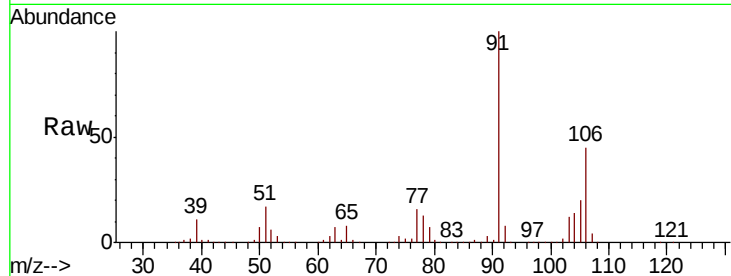




#69
o-Xylene
Concen: 51.073 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

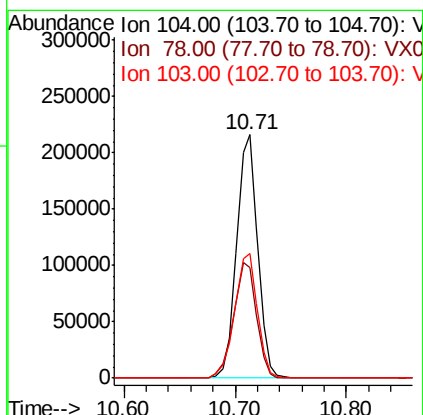
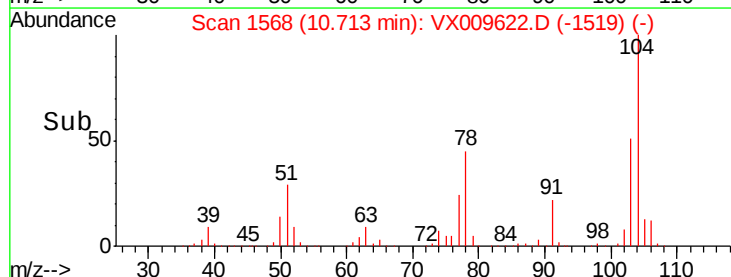
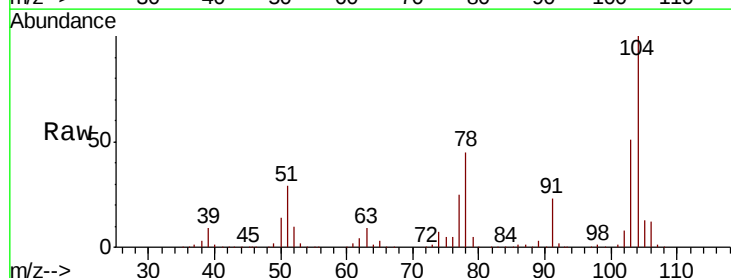
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

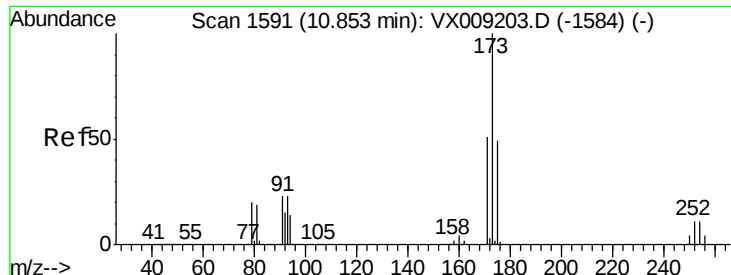
Tot Ion:106 Resp: 158794
Ion Ratio Lower Upper
106 100
91 218.1 109.5 328.4



#70
Styrene
Concen: 52.046 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion:104 Resp: 281252
Ion Ratio Lower Upper
104 100
78 52.1 41.0 61.4
103 55.5 43.8 65.6





#71

Bromoform

Concen: 53.245 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

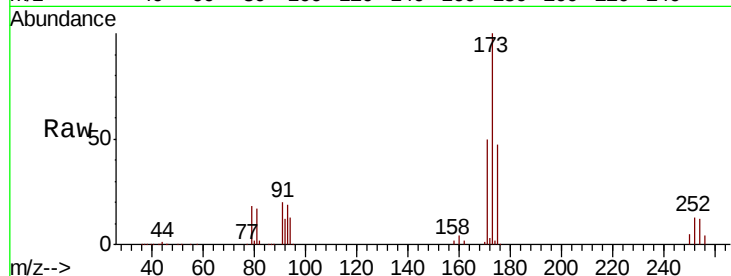
Tot Ion:173 Resp: 73503

Ion Ratio Lower Upper

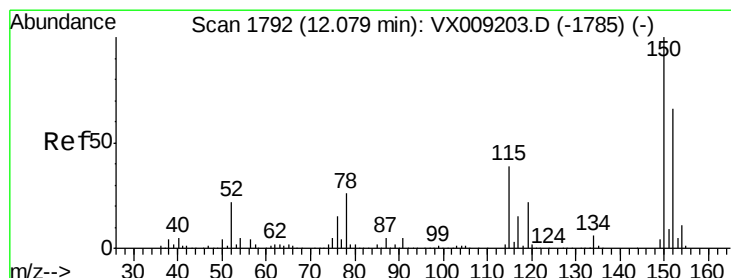
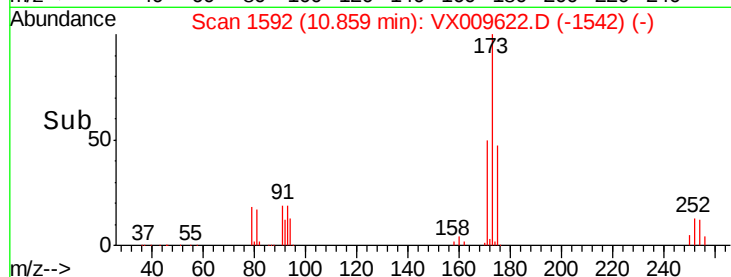
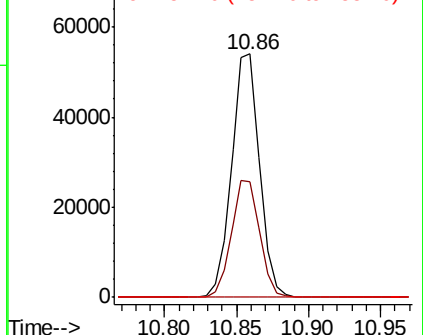
173 100

175 48.6 24.5 73.5

254 0.1 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: VX009622.D

Acq: 16 May 2019 21:02

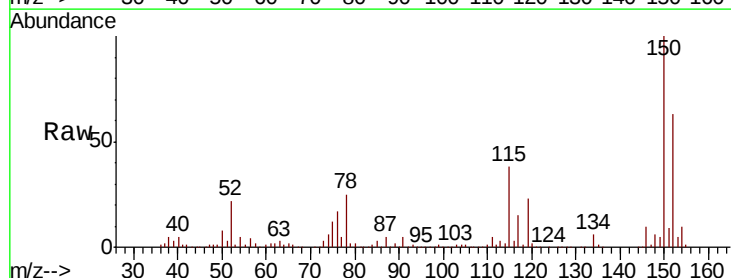
Tgt Ion:152 Resp: 120978

Ion Ratio Lower Upper

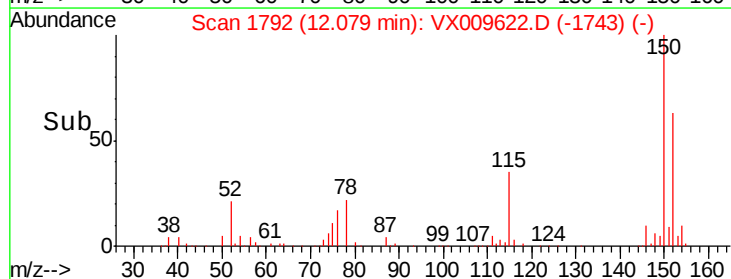
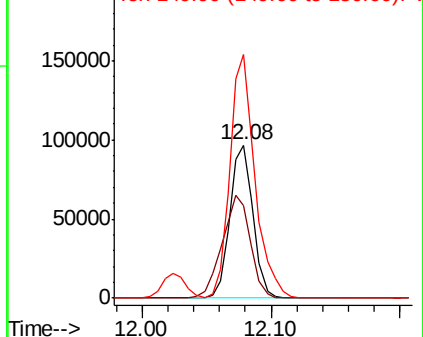
152 100

115 81.8 41.2 123.6

150 172.3 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: 47.783 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

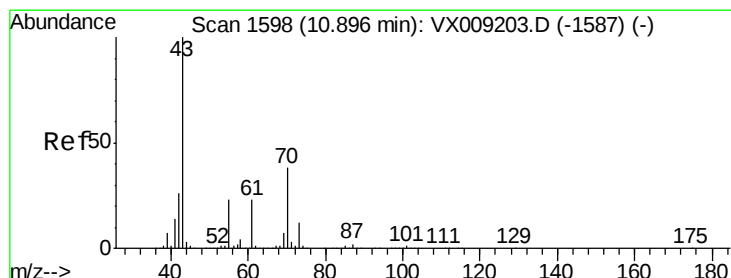
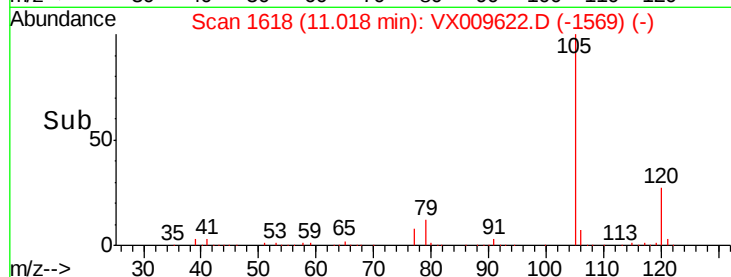
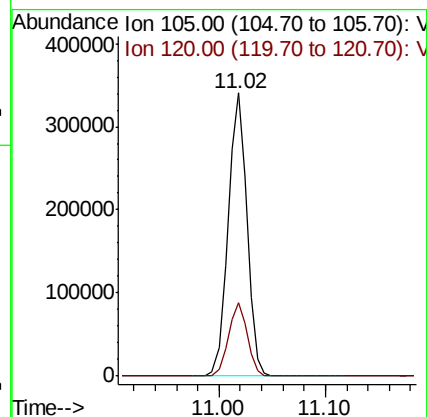
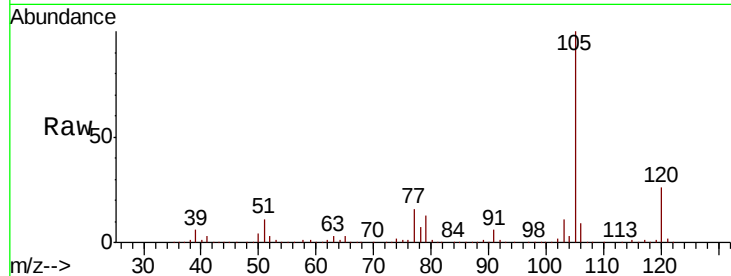
VSTDCCC050EC

Tot Ion:105 Resp: 420369

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3



#74

N-ethyl acetate

Concen: 52.107 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Tgt Ion: 43 Resp: 267253

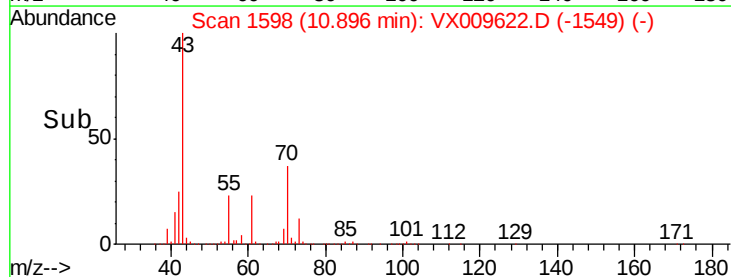
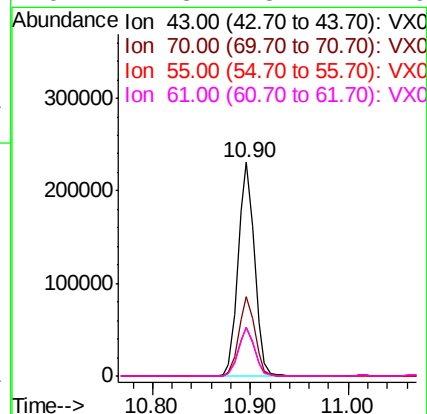
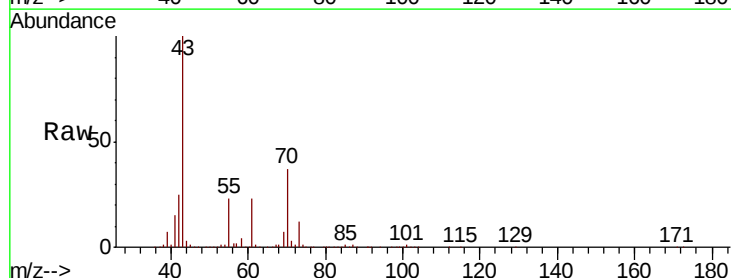
Ion Ratio Lower Upper

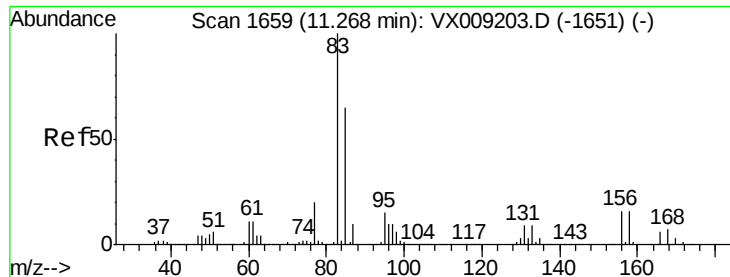
43 100

70 36.6 30.0 45.0

55 22.6 17.9 26.9

61 22.3 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.654 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

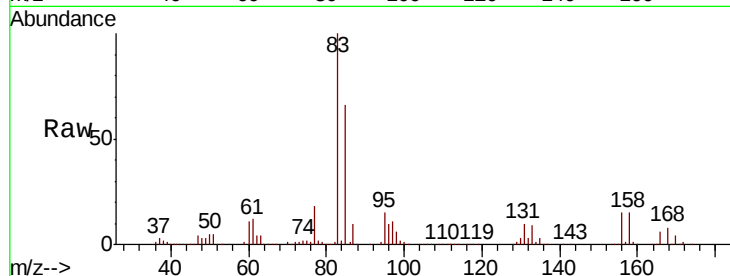
Tot Ion: 83 Resp: 162843

Ion Ratio Lower Upper

83 100

131 9.6 4.6 13.8

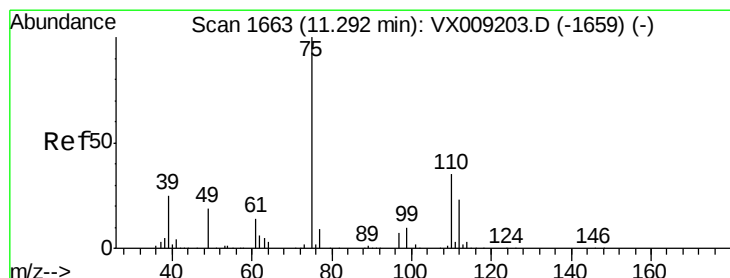
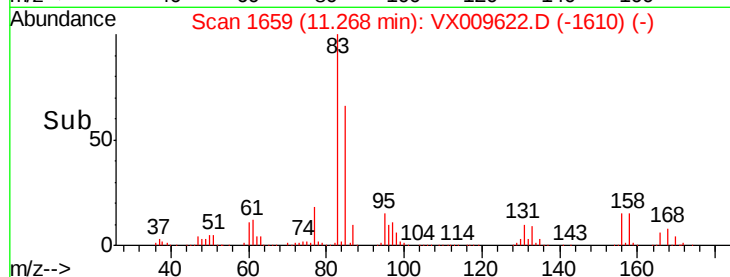
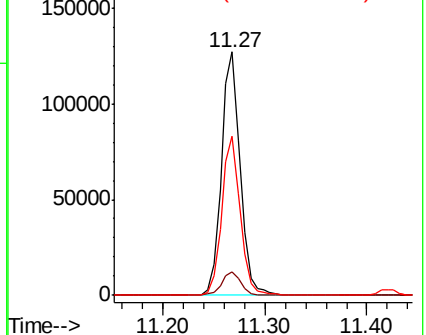
85 64.5 32.0 96.2



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: 68.765 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009622.D

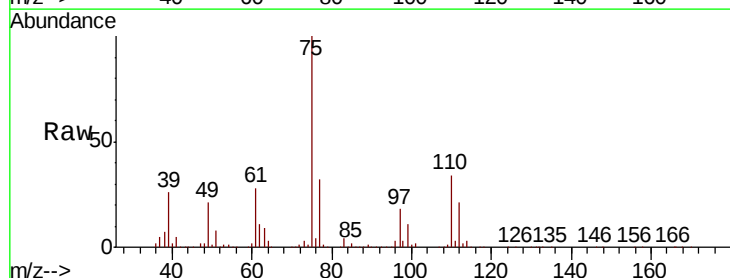
Acq: 16 May 2019 21:02

Tgt Ion: 75 Resp: 192973

Ion Ratio Lower Upper

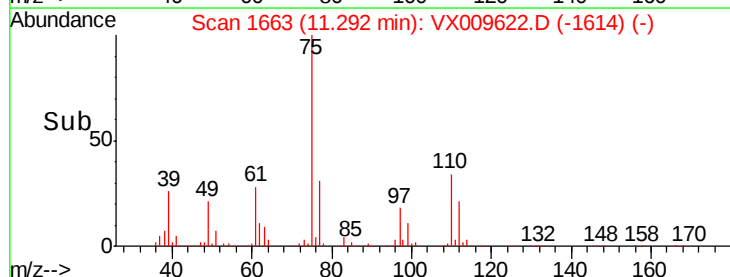
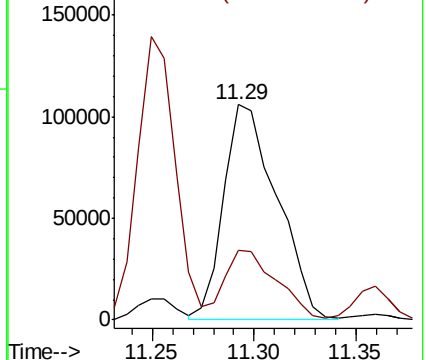
75 100

77 31.6 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: 48.370 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

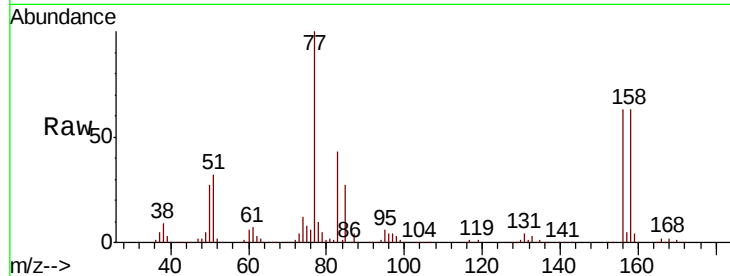
Tot Ion:156 Resp: 105618

Ion Ratio Lower Upper

156 100

77 169.6 84.8 254.3

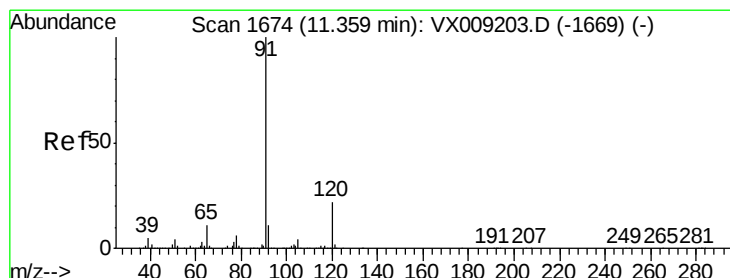
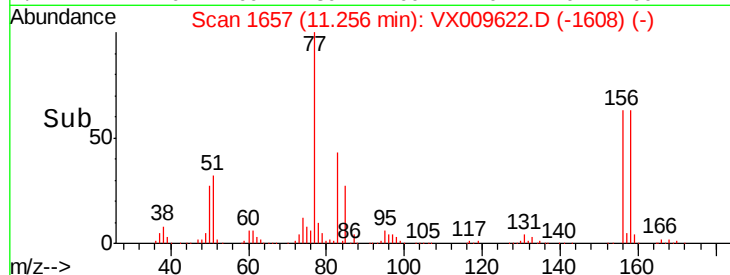
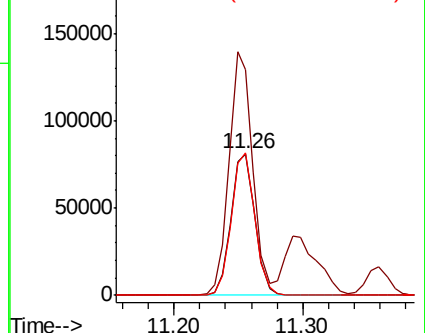
158 99.1 49.1 147.3



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: 48.890 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009622.D

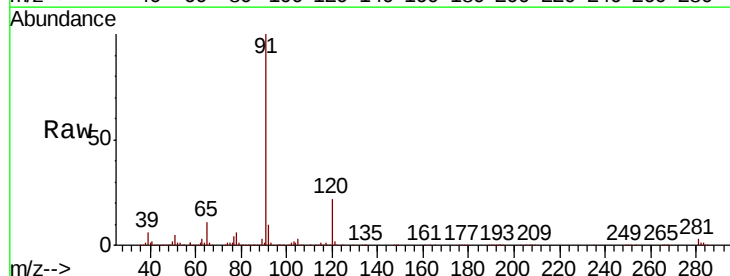
Acq: 16 May 2019 21:02

Tgt Ion: 91 Resp: 491196

Ion Ratio Lower Upper

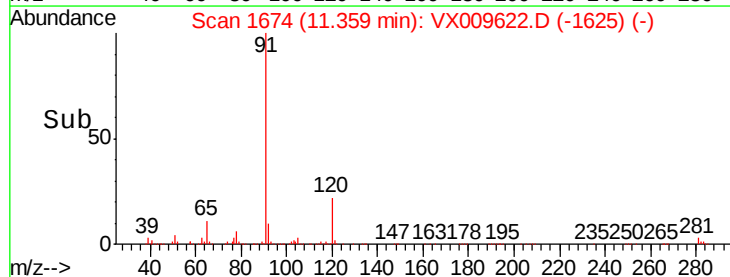
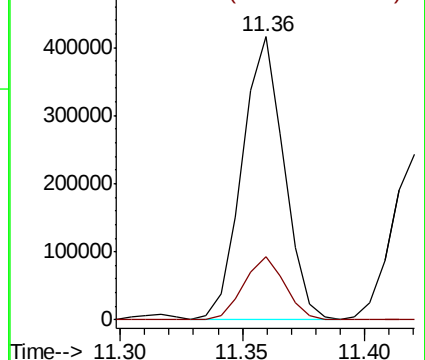
91 100

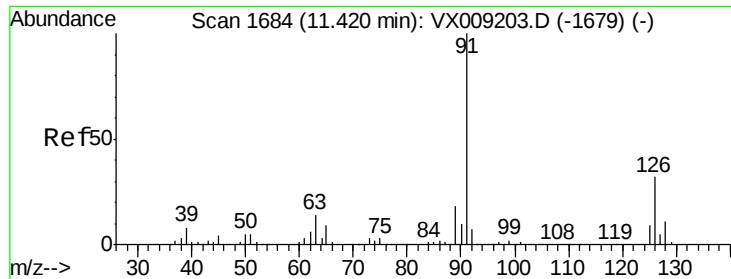
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.758 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

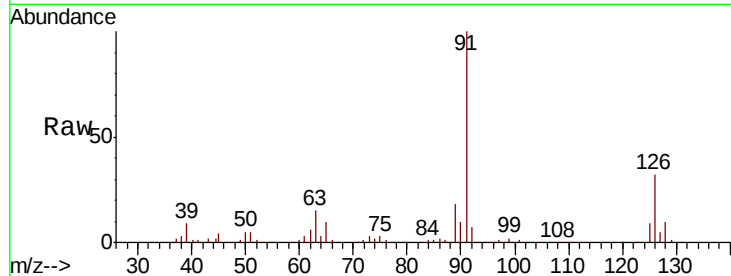
VSTDCCC050EC

Tot Ion: 91 Resp: 296032

Ion Ratio Lower Upper

91 100

126 32.4 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009203.D (-1679) (-)

400000

300000

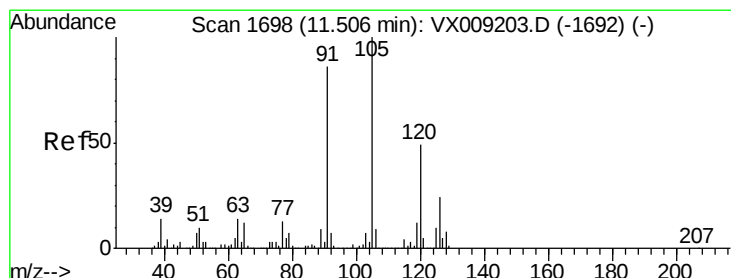
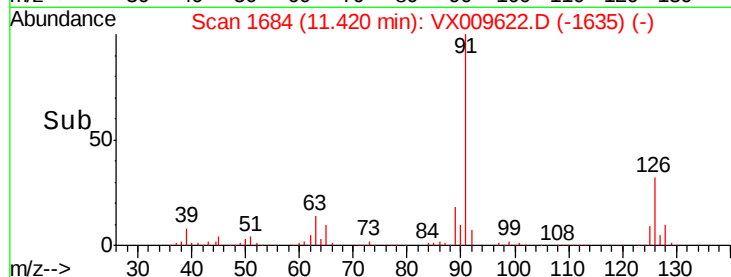
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.043 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009622.D

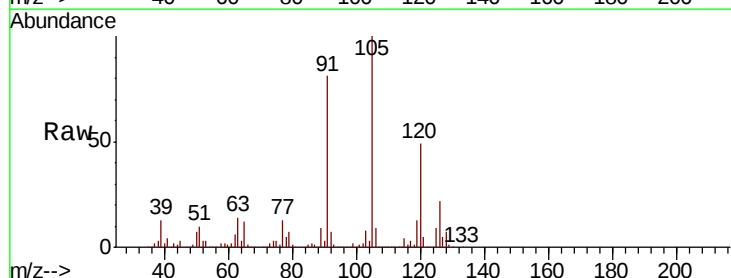
Acq: 16 May 2019 21:02

Tgt Ion: 105 Resp: 363281

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1692) (-)

300000

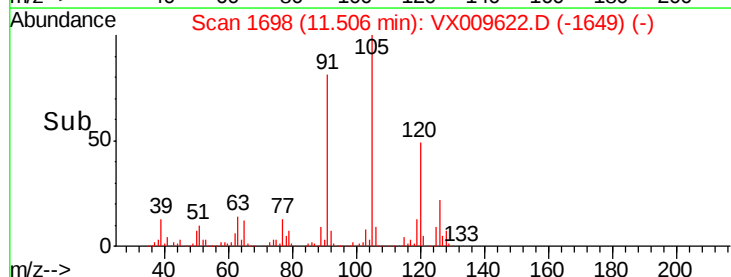
200000

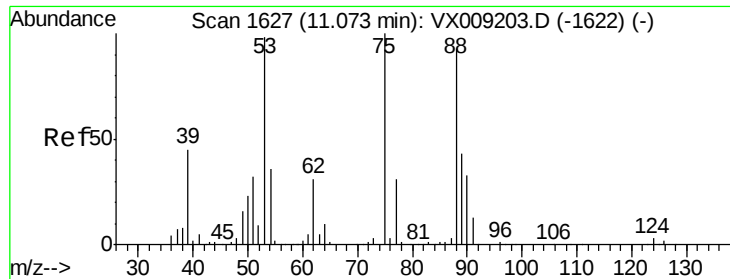
100000

0

11.45 11.50 11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.295 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

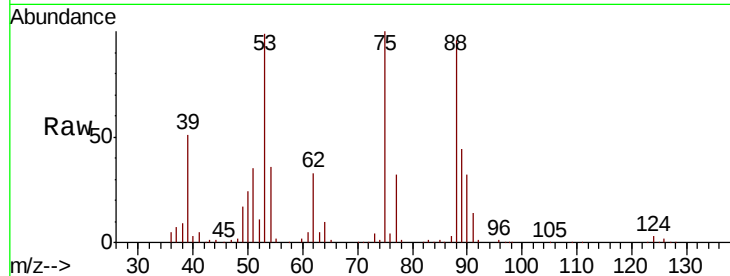
Tot Ion: 75 Resp: 54066

Ion Ratio Lower Upper

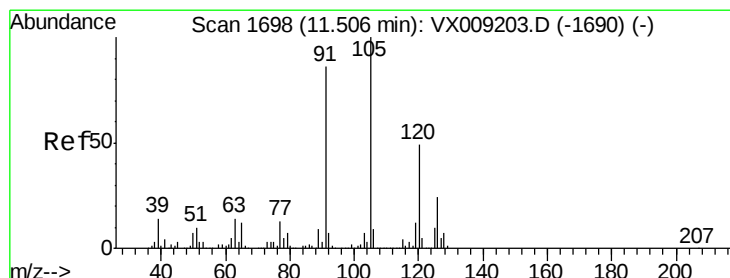
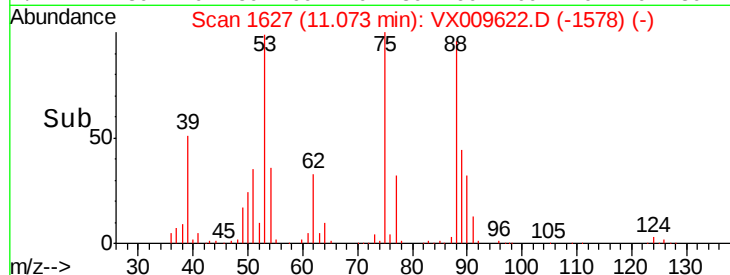
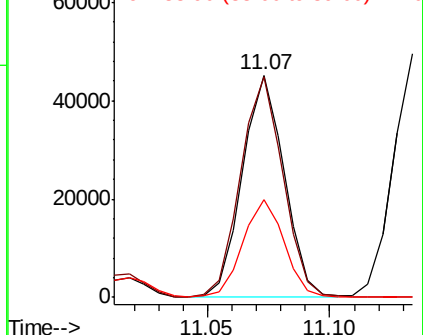
75 100

53 100.0 79.0 118.6

89 43.6 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.914 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009622.D

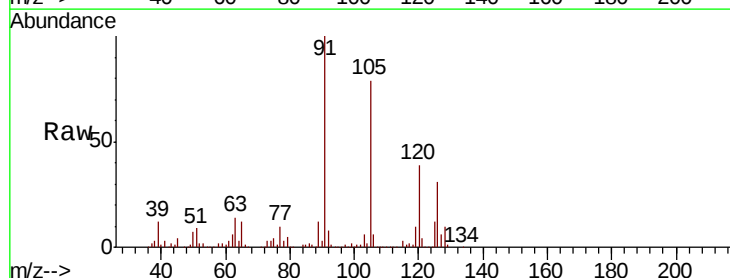
Acq: 16 May 2019 21:02

Tgt Ion: 91 Resp: 342523

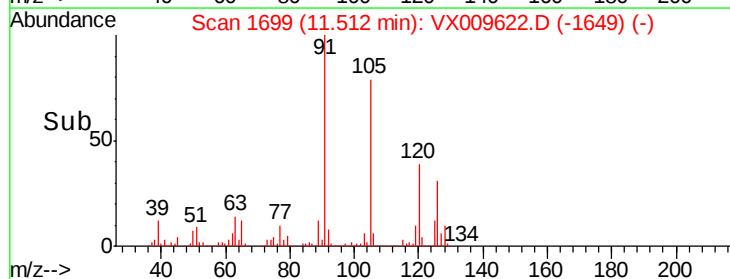
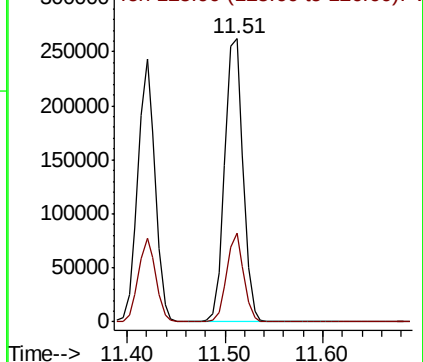
Ion Ratio Lower Upper

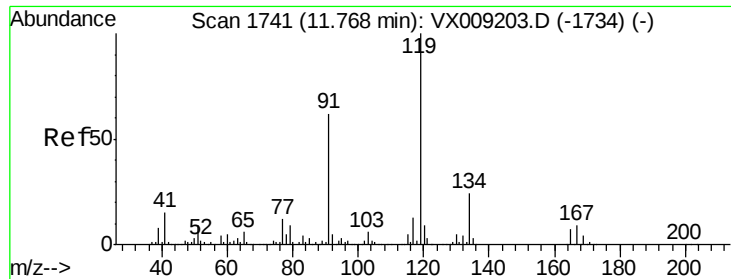
91 100

126 28.8 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

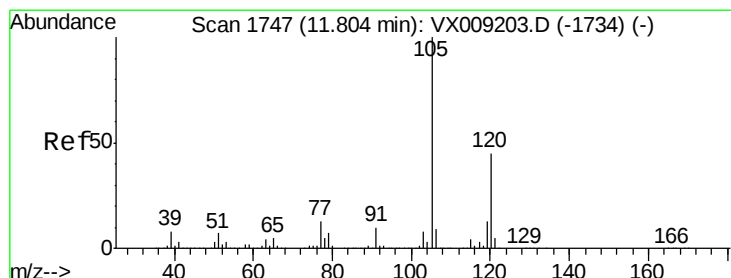
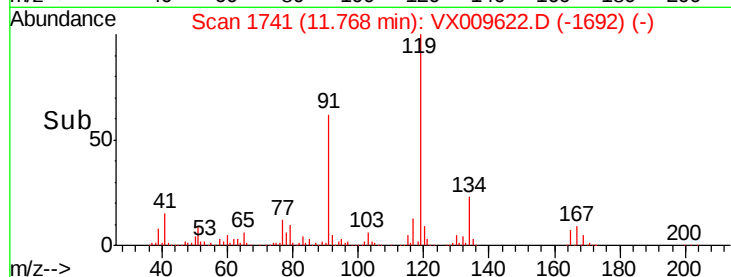
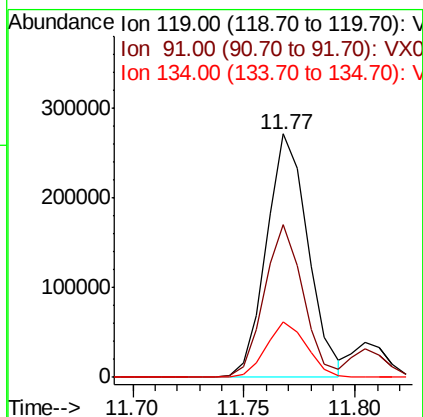
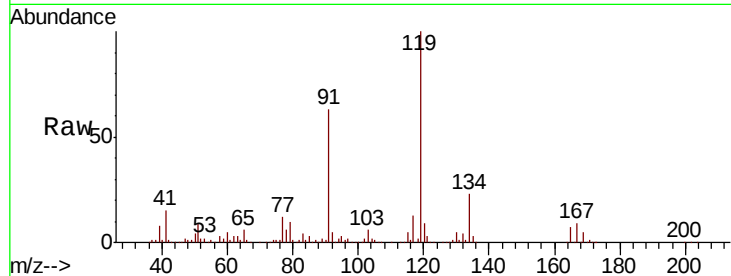




#83
tert-Butylbenzene
Concen: 48.867 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

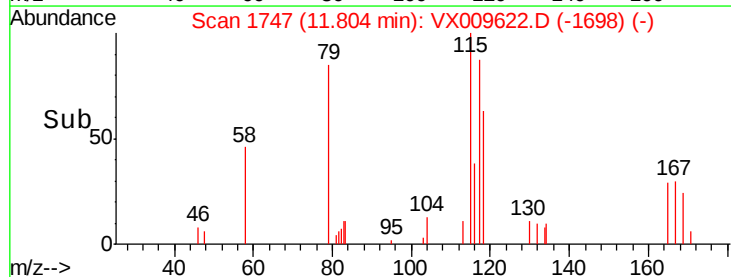
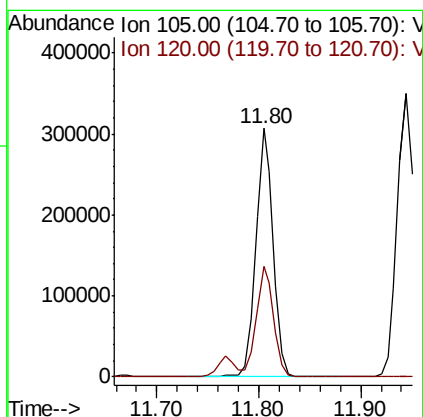
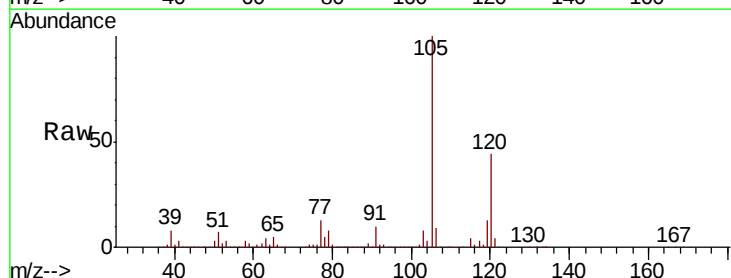
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 352132
Ion Ratio Lower Upper
119 100
91 59.0 29.5 88.5
134 22.2 11.4 34.1



#84
1,2,4-Trimethylbenzene
Concen: 49.068 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion:105 Resp: 364827
Ion Ratio Lower Upper
105 100
120 43.9 22.0 66.0





#85

sec-Butylbenzene

Concen: 48.737 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

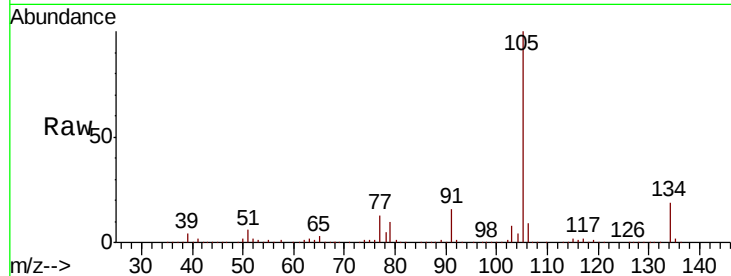
VSTDCCC050EC

Tot Ion:105 Resp: 416370

Ion Ratio Lower Upper

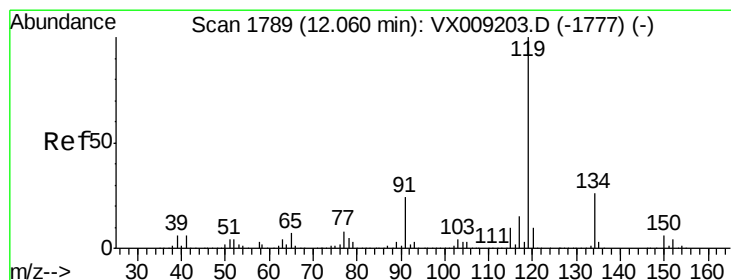
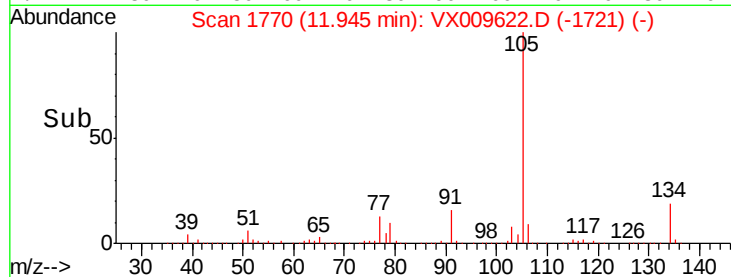
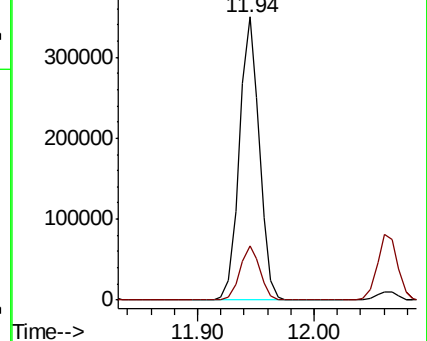
105 100

134 19.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.757 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

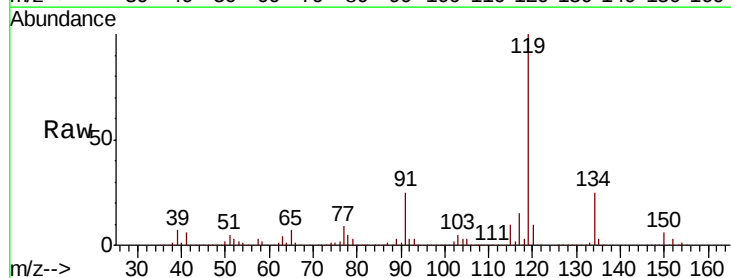
Tgt Ion:119 Resp: 382142

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

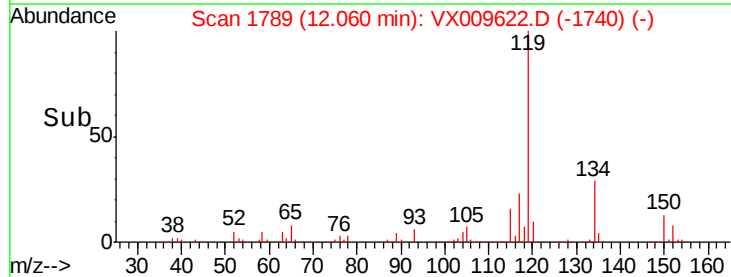
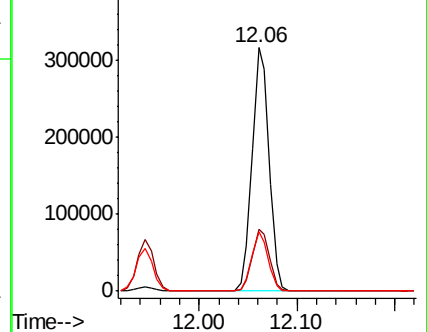
91 23.8 11.8 35.4

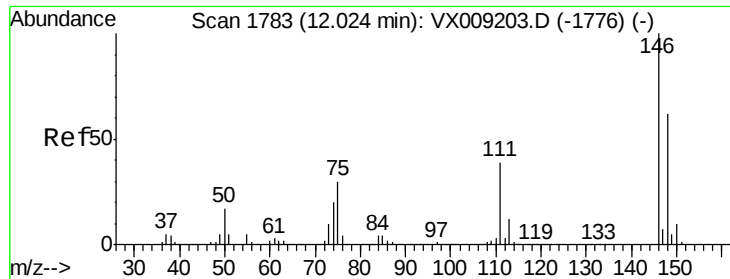


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

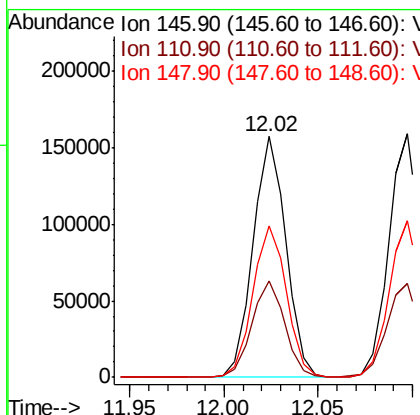
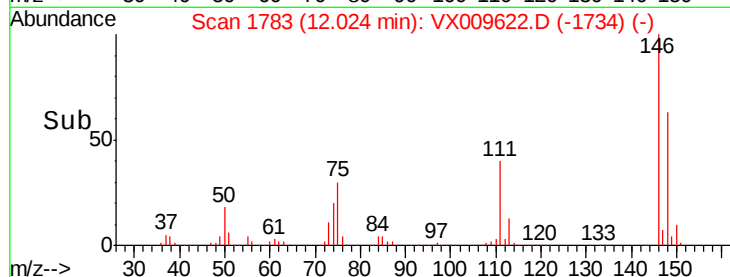
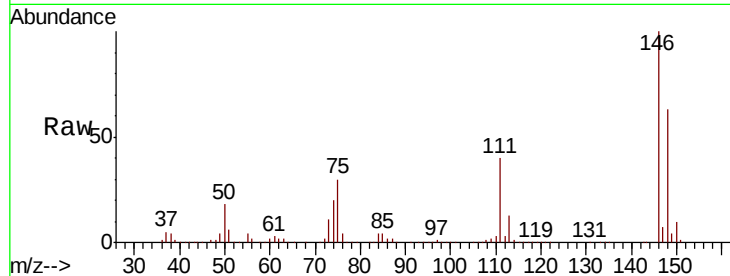




#87
 1,3-Dichlorobenzene
 Concen: 48.924 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

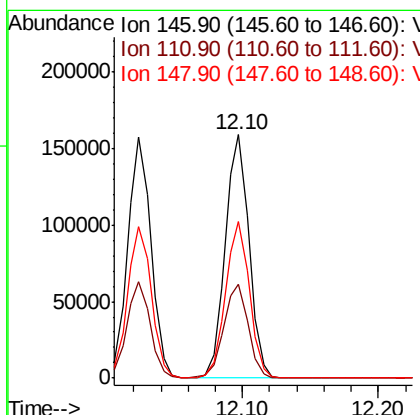
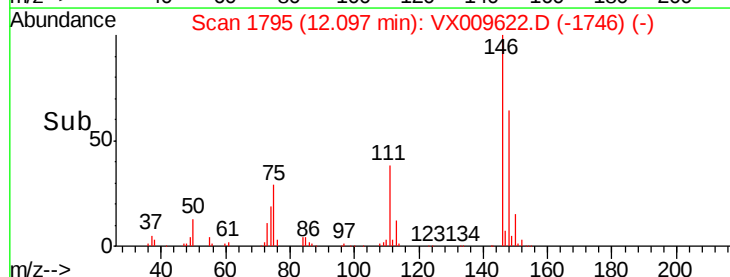
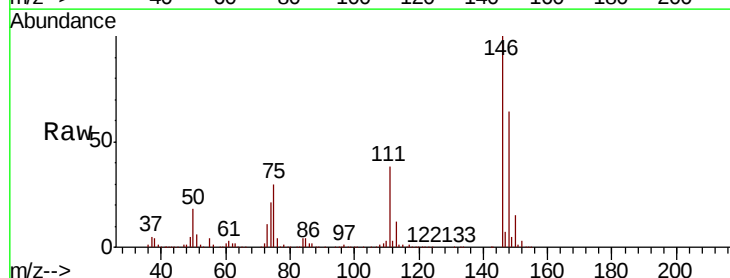
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 190439
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 63.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 49.034 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion:146 Resp: 192431
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.6 58.8
 148 64.2 31.8 95.3

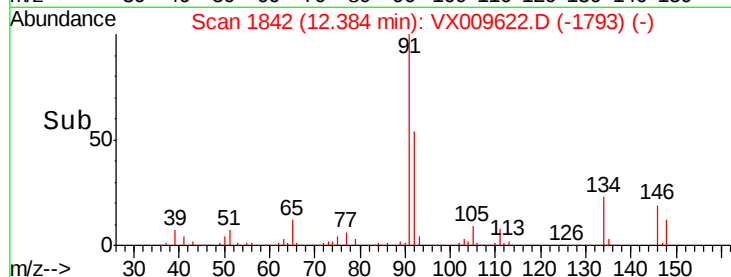
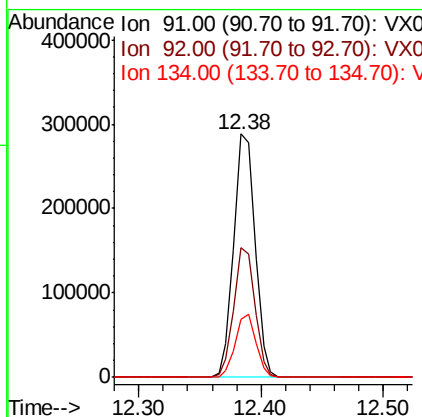
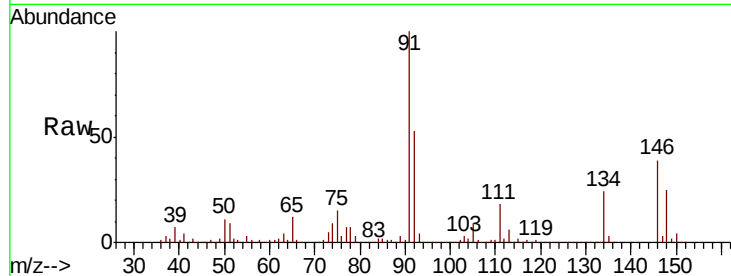




#89
n-Butylbenzene
Concen: 50.068 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

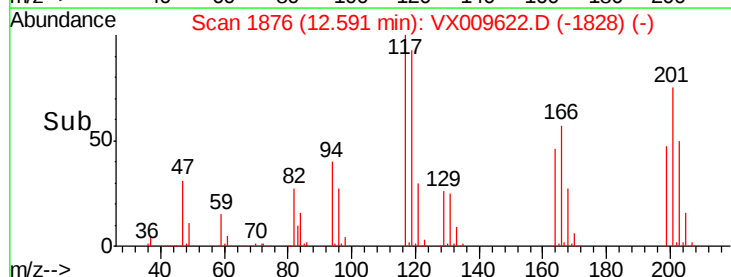
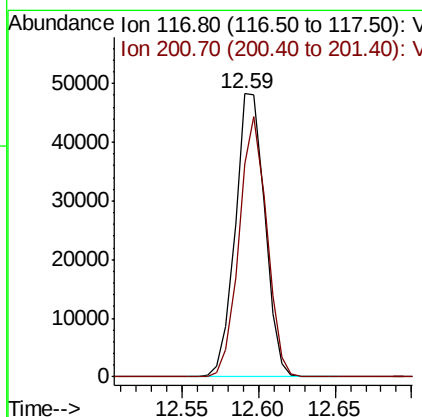
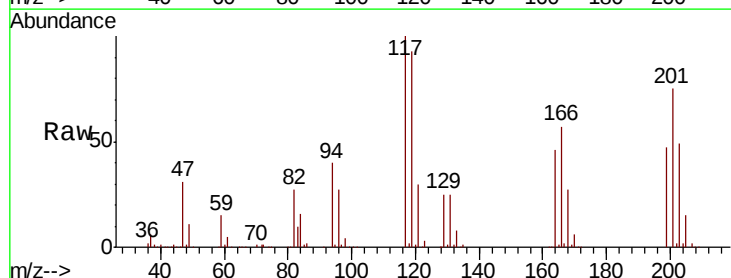
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

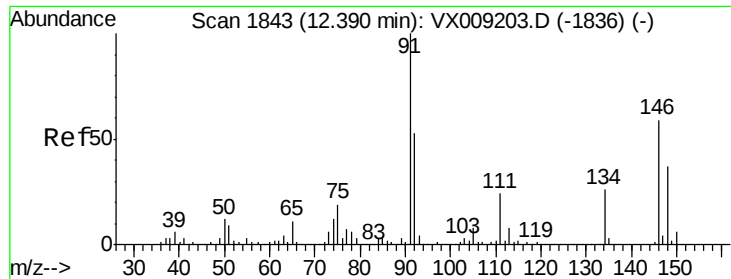
Tot Ion: 91 Resp: 347556
Ion Ratio Lower Upper
91 100
92 52.6 26.5 79.5
134 25.0 12.4 37.2



#90
Hexachloroethane
Concen: 49.420 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion: 117 Resp: 64664
Ion Ratio Lower Upper
117 100
201 86.1 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 48.636 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

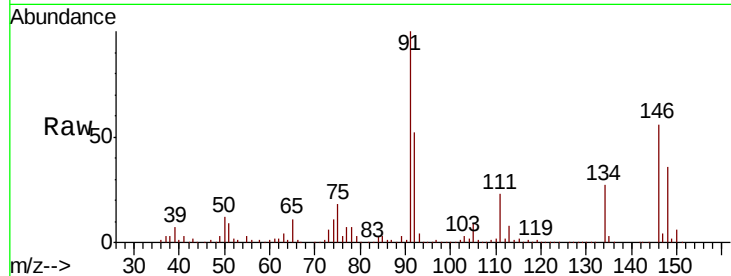
Tot Ion:146 Resp: 192831

Ion Ratio Lower Upper

146 100

111 41.8 20.8 62.4

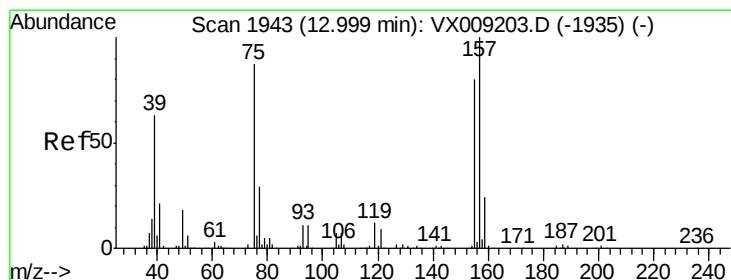
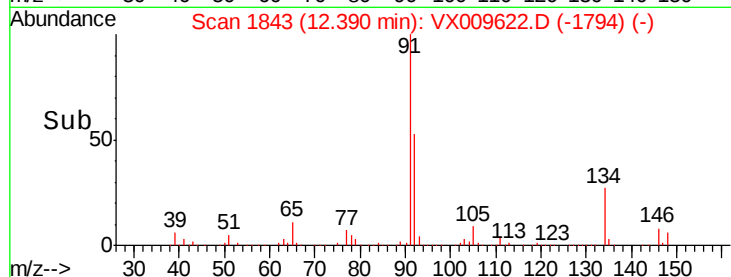
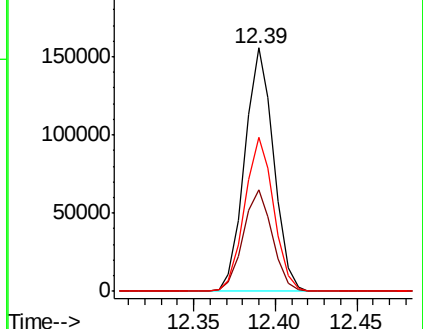
148 63.5 31.9 95.9



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: 50.359 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

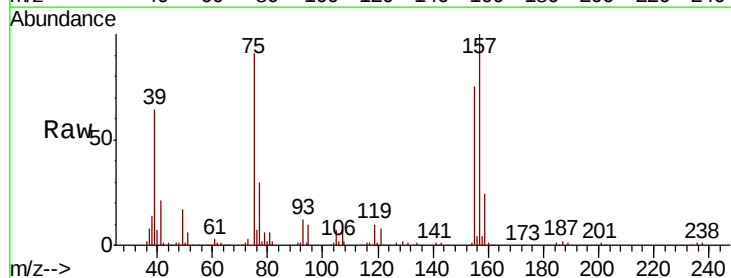
Tgt Ion: 75 Resp: 37049

Ion Ratio Lower Upper

75 100

155 83.2 42.0 126.0

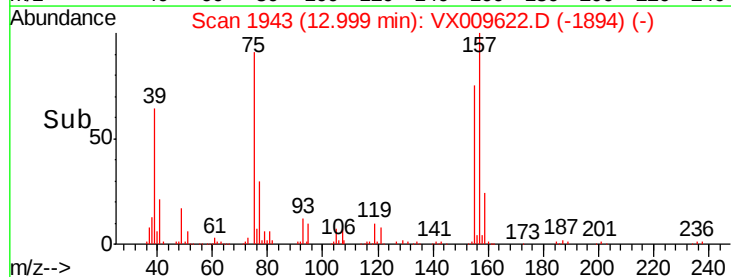
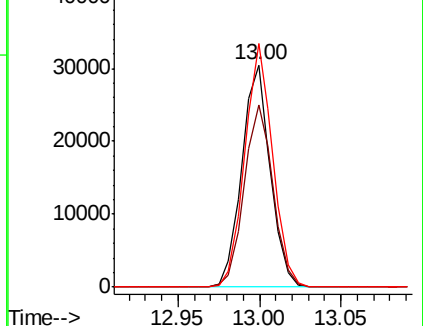
157 107.2 53.2 159.6

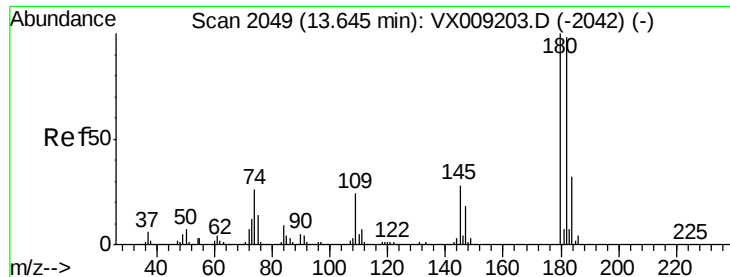


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 50.547 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

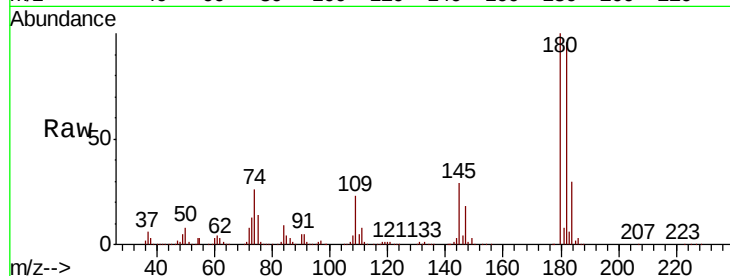
Tot Ion:180 Resp: 137044

Ion Ratio Lower Upper

180 100

182 94.8 48.4 145.2

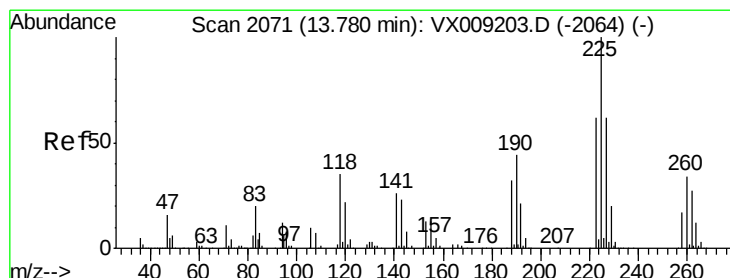
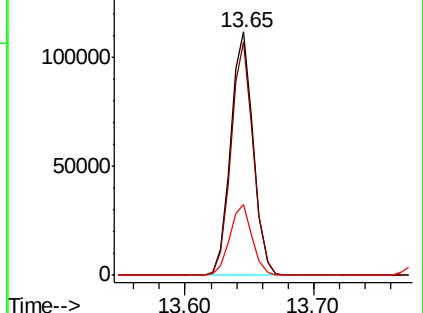
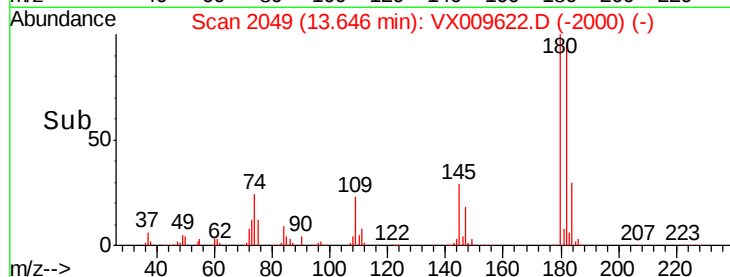
145 28.9 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 50.681 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

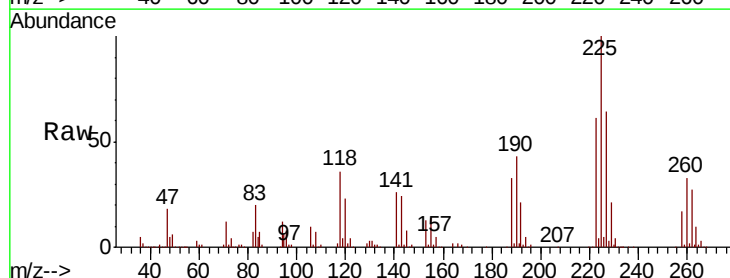
Tgt Ion:225 Resp: 70169

Ion Ratio Lower Upper

225 100

223 62.3 31.3 93.8

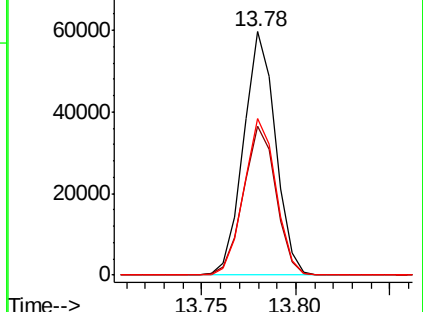
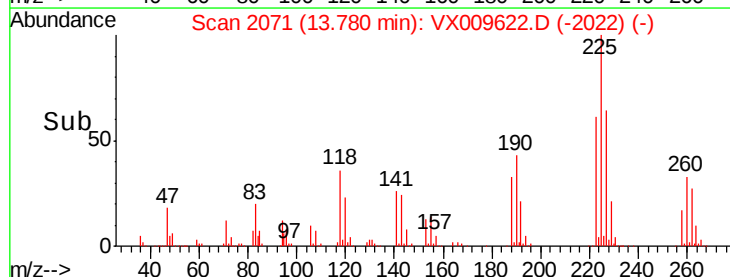
227 64.2 31.8 95.3

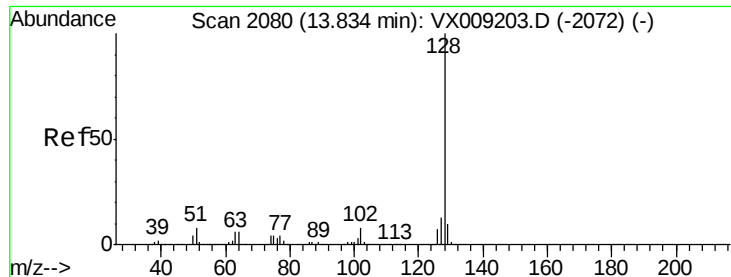


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.233 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

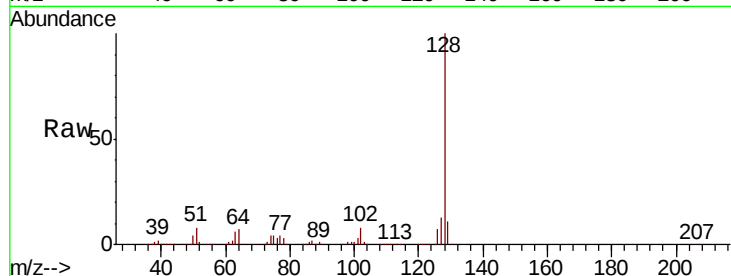
Tot Ion:128 Resp: 451917

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

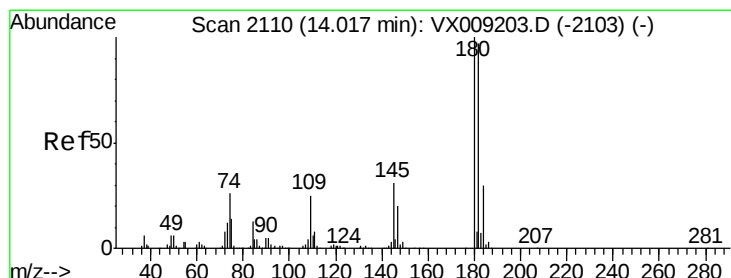
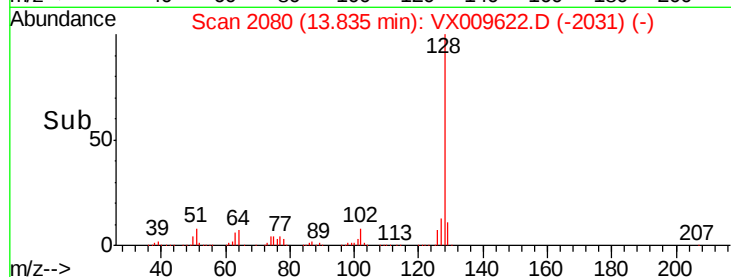
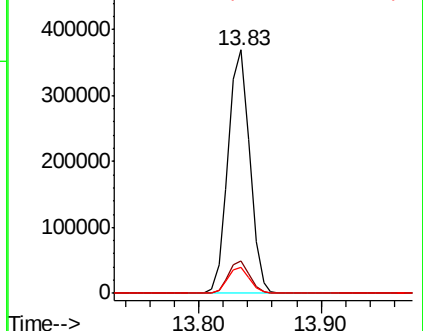
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.206 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

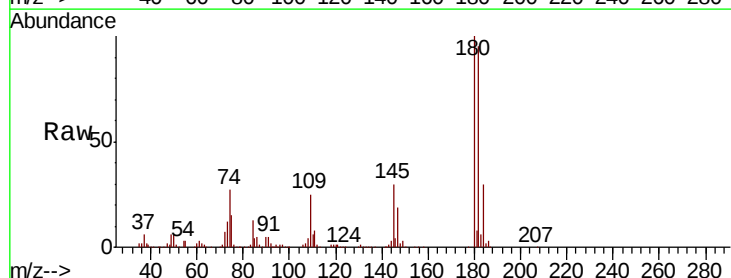
Tgt Ion:180 Resp: 137981

Ion Ratio Lower Upper

180 100

182 96.3 47.8 143.4

145 30.7 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

