

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012521\
 Data File : VX020732.D
 Acq On : 25 Jan 2021 18:09
 Operator : JC/SP
 Sample : M1189-14DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 41090DL

Quant Time: Jan 27 11:56:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:38:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	309484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	528425	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	505435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	222982	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	211566	50.12	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.24%
35) Dibromofluoromethane	5.465	113	178044	49.19	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.38%
50) Toluene-d8	8.696	98	662280	49.91	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.82%
62) 4-Bromofluorobenzene	11.122	95	235425	45.68	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.36%

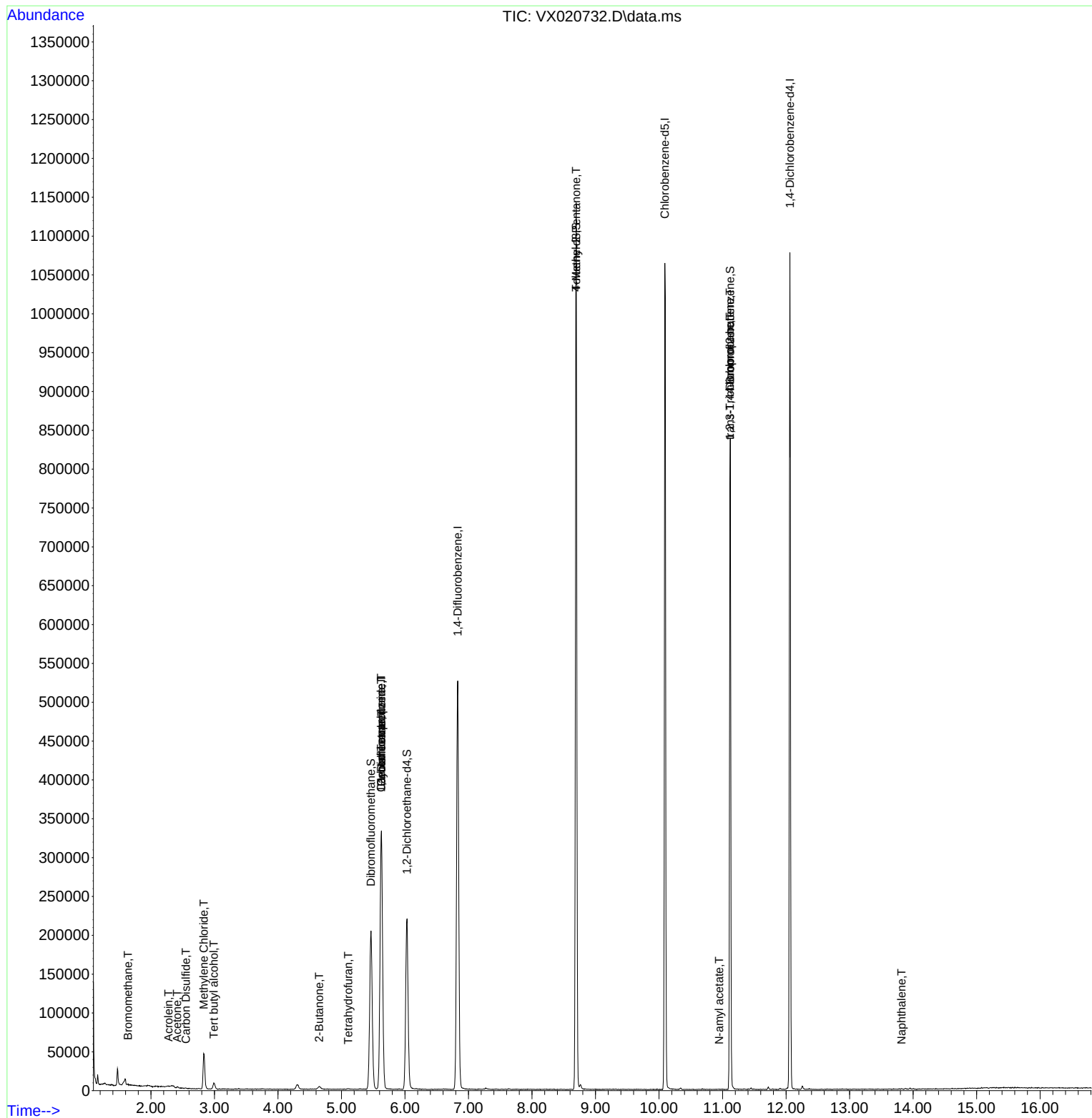
Target Compounds						Qvalue
5) Bromomethane	1.636	94	551	0.26	ug/l	99
11) Tert butyl alcohol	2.989	59	4547	5.77	ug/l #	75
13) Acrolein	2.276	56	165	0.28	ug/l #	28
16) Acetone	2.410	43	1880	1.17	ug/l	99
17) Carbon Disulfide	2.550	76	1098	1.01	ug/l	99
20) Methylene Chloride	2.831	84	21873	5.42	ug/l	97
25) 2-Butanone	4.648	43	1039	0.41	ug/l	94
29) Tetrahydrofuran	5.105	42	627	0.39	ug/l #	63
31) Cyclohexane	5.629	56	5982	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	23986	4.52	ug/l #	49
38) Carbon Tetrachloride	5.623	117	31831	5.71	ug/l #	17
51) 4-Methyl-2-Pentanone	8.696	43	2678	0.53	ug/l #	1
74) N-amyl acetate	10.945	43	22	2.02	ug/l #	38
76) 1,2,3-Trichloropropane	11.116	75	116092	22.45	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	116092	62.90	ug/l #	12
95) Naphthalene	13.817	128	774	2.92	ug/l #	91

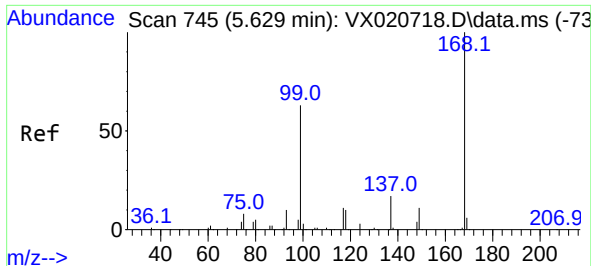
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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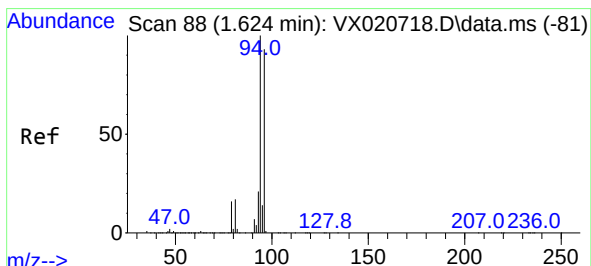
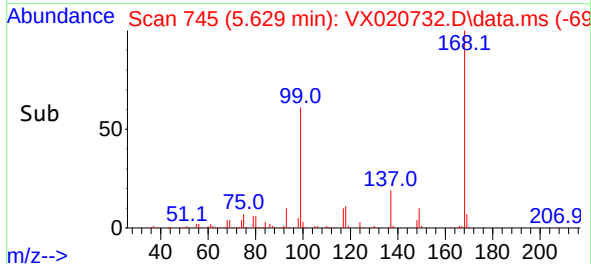
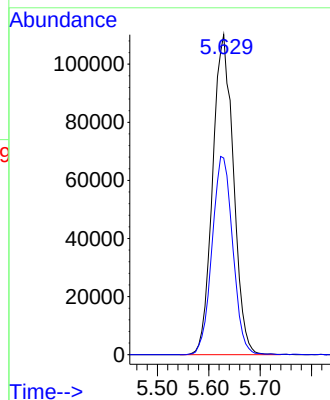
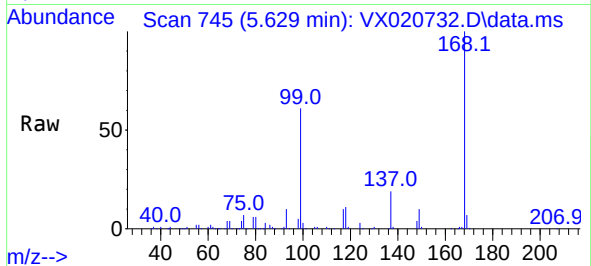




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

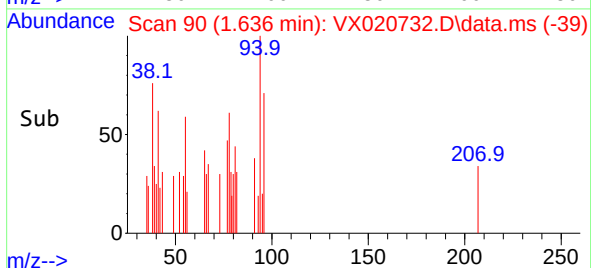
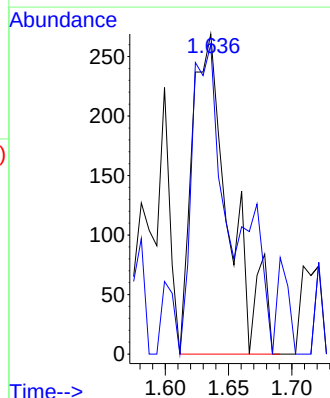
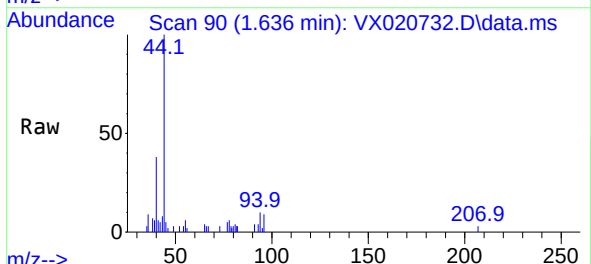
Instrument :
MSVOA_X
ClientSampled :
41090DL

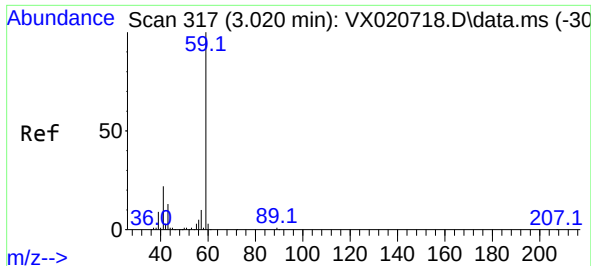
Tgt Ion:168 Resp: 309484
Ion Ratio Lower Upper
168 100
99 61.4 45.8 68.6



#5
Bromomethane
Concen: 0.26 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Tgt Ion: 94 Resp: 551
Ion Ratio Lower Upper
94 100
96 96.7 76.4 114.6



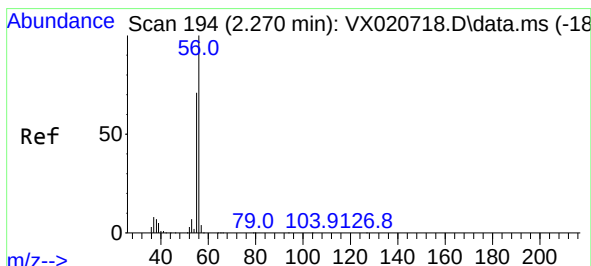
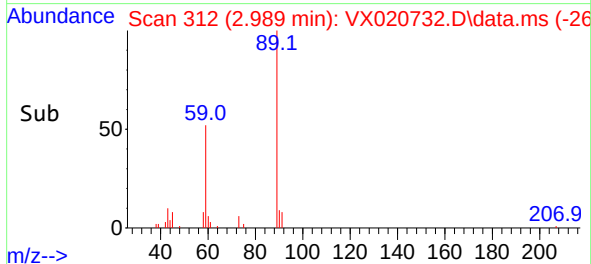
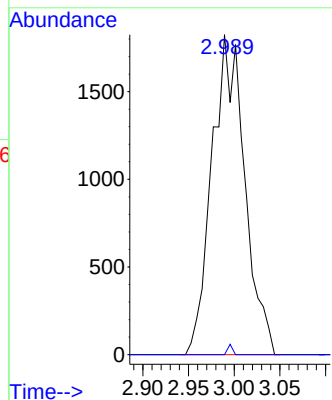
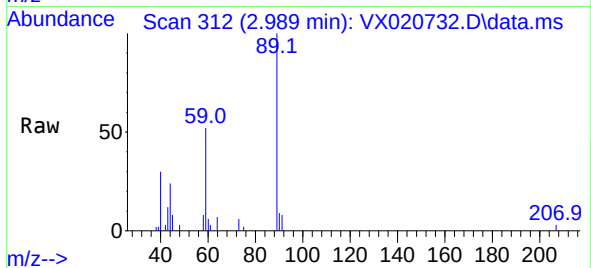


#11

Tert butyl alcohol
Concen: 5.77 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.031 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Instrument :
MSVOA_X
ClientSampled :
41090DL

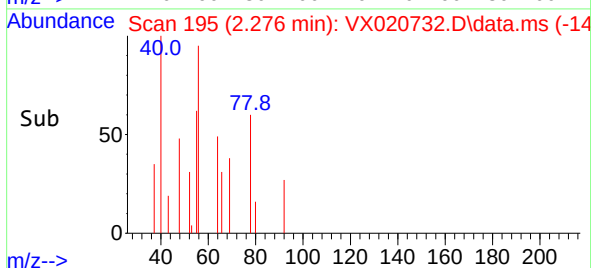
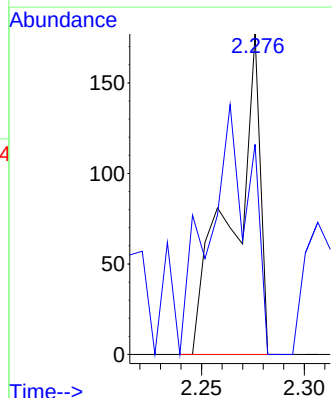
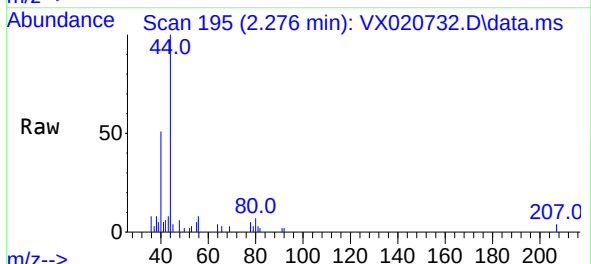
Tgt Ion: 59 Resp: 4547
Ion Ratio Lower Upper
59 100
57 0.5 7.8 11.8#

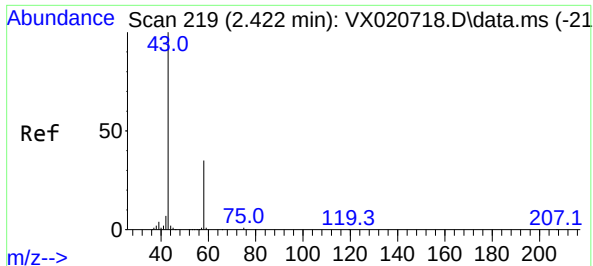


#13

Acrolein
Concen: 0.28 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Tgt Ion: 56 Resp: 165
Ion Ratio Lower Upper
56 100
55 129.7 56.4 84.6#

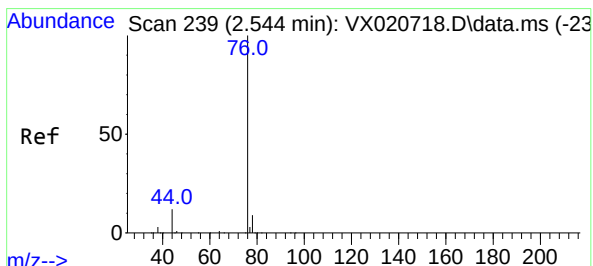
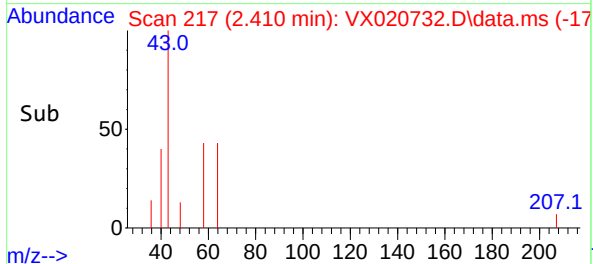
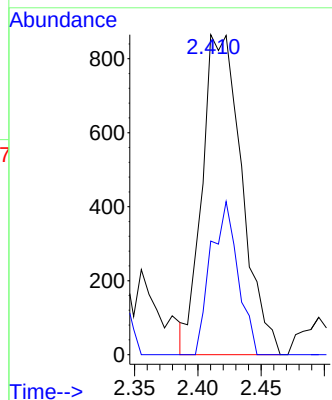
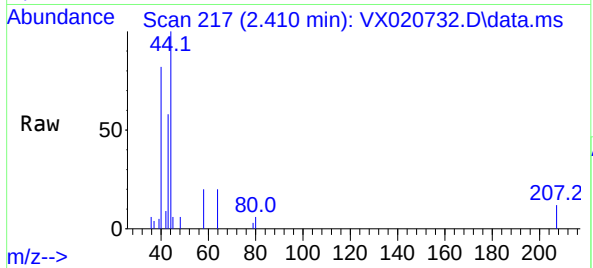




#16
Acetone
Concen: 1.17 ug/l
RT: 2.410 min Scan# 217
Delta R.T. -0.012 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

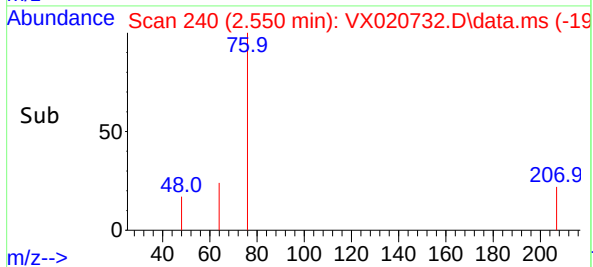
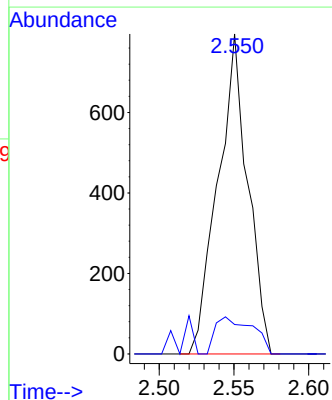
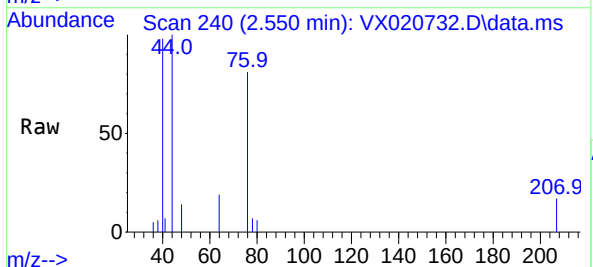
Instrument :
MSVOA_X
ClientSampleId :
41090DL

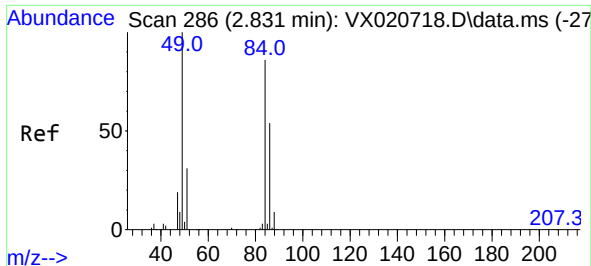
Tgt Ion: 43 Resp: 1880
Ion Ratio Lower Upper
43 100
58 35.5 27.8 41.8



#17
Carbon Disulfide
Concen: 1.01 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Tgt Ion: 76 Resp: 1098
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



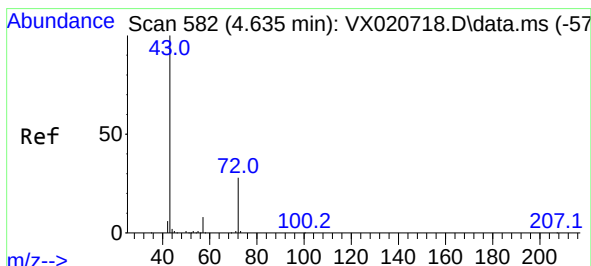
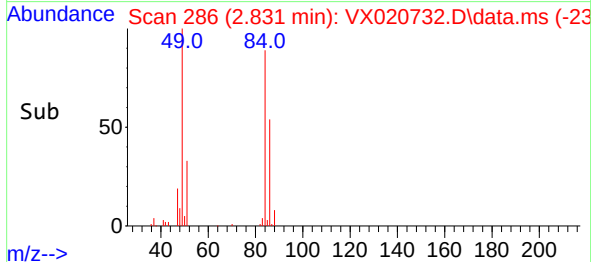
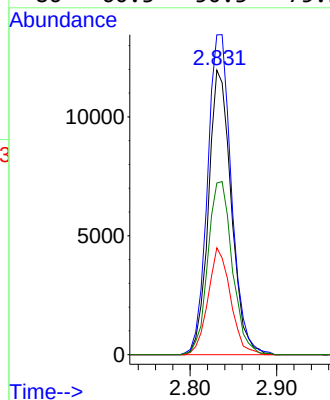
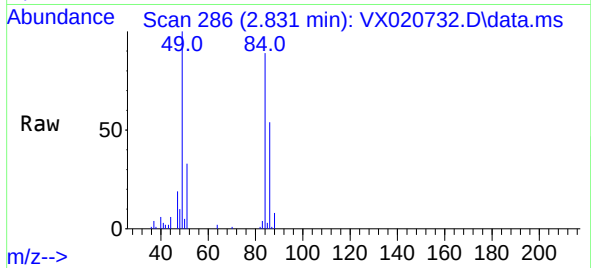


#20
Methylene Chloride
Concen: 5.42 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Instrument :
MSVOA_X
ClientSampleId :
41090DL

Tgt Ion: 84 Resp: 21873

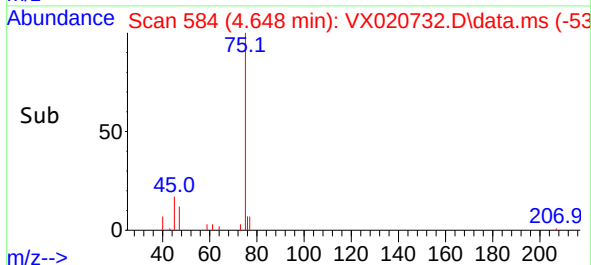
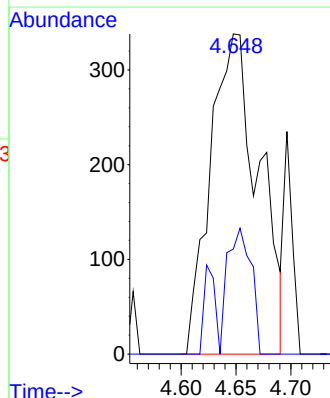
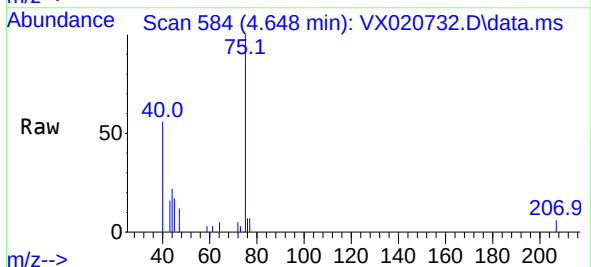
Ion	Ratio	Lower	Upper
84	100		
49	112.4	88.6	132.8
51	37.6	27.0	40.6
86	60.3	50.3	75.5

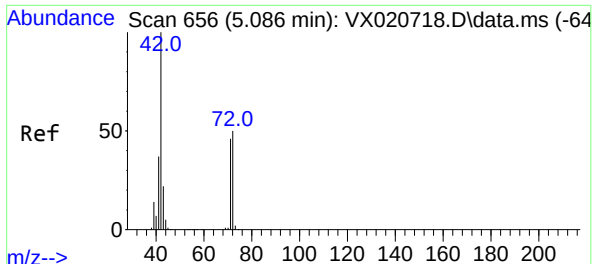


#25
2-Butanone
Concen: 0.41 ug/l
RT: 4.648 min Scan# 584
Delta R.T. 0.013 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Tgt Ion: 43 Resp: 1039

Ion	Ratio	Lower	Upper
43	100		
72	32.8	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 5.105 min Scan# 659

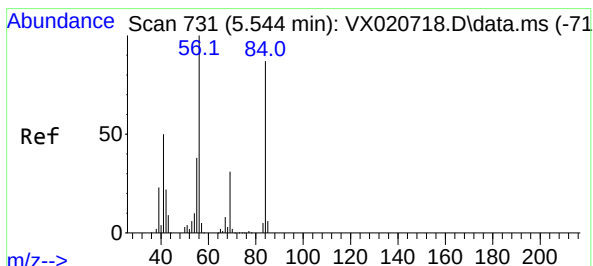
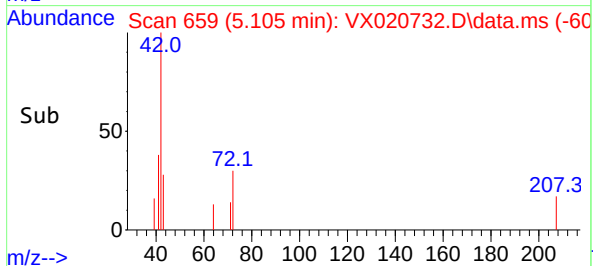
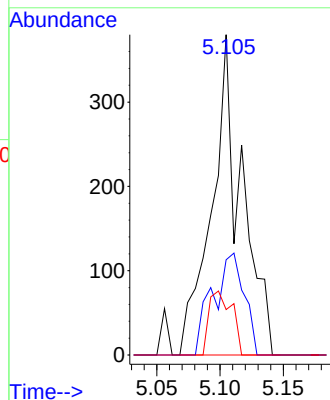
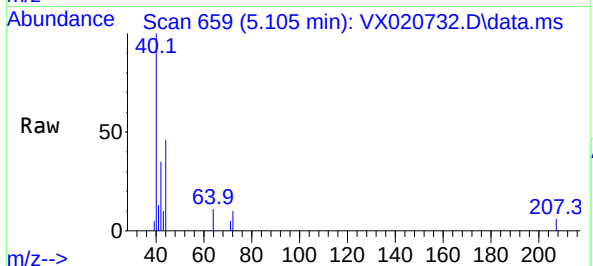
Delta R.T. 0.019 min

Lab File: VX020732.D

Acq: 25 Jan 2021 18:09

Tgt Ion:	42	Resp:	627
Ion	Ratio	Lower	Upper
42	100		
72	33.2	41.7	62.5#
71	15.2	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
41090DL



#31

Cyclohexane

Concen: 1.05 ug/l

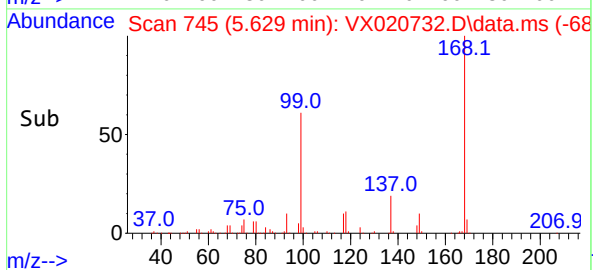
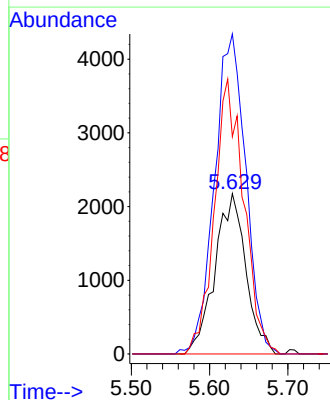
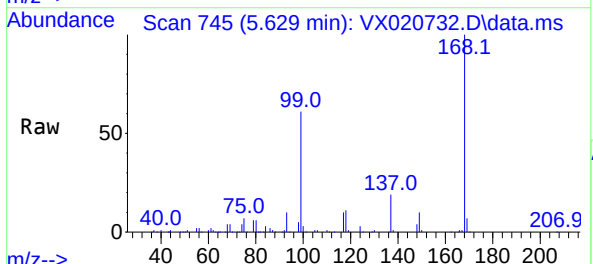
RT: 5.629 min Scan# 745

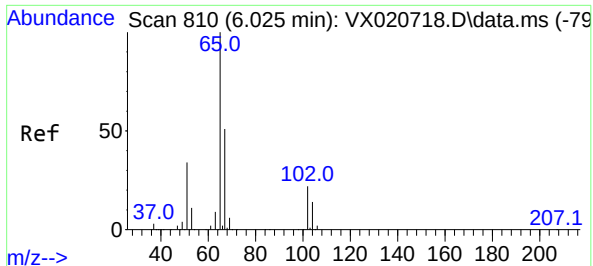
Delta R.T. 0.085 min

Lab File: VX020732.D

Acq: 25 Jan 2021 18:09

Tgt Ion:	56	Resp:	5982
Ion	Ratio	Lower	Upper
56	100		
69	199.6	25.3	37.9#
84	135.5	71.4	107.0#

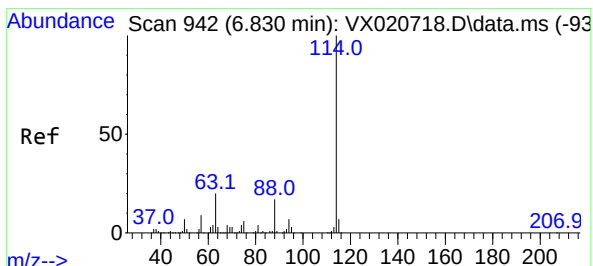
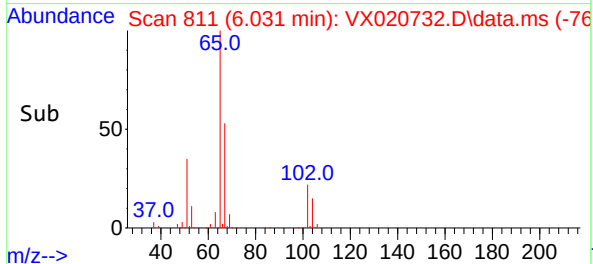
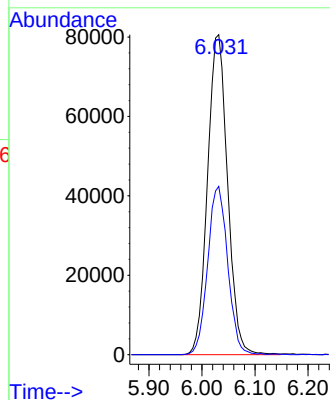
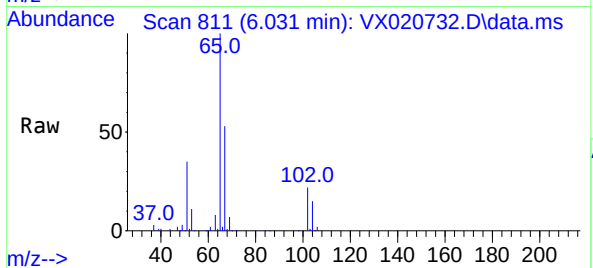




#33
1,2-Dichloroethane-d4
Concen: 50.12 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

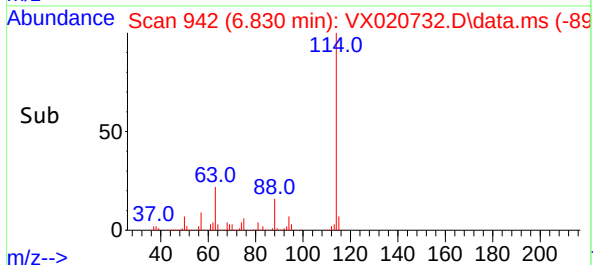
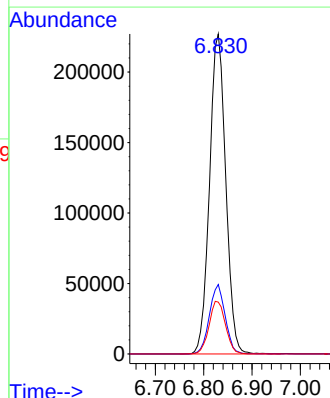
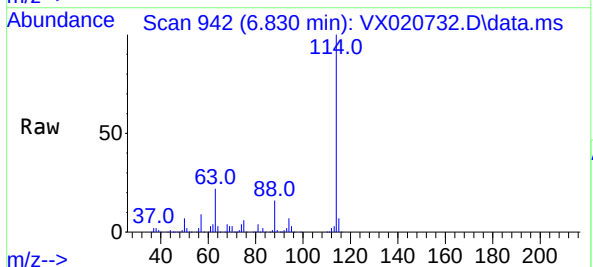
Instrument :
MSVOA_X
ClientSampleId :
41090DL

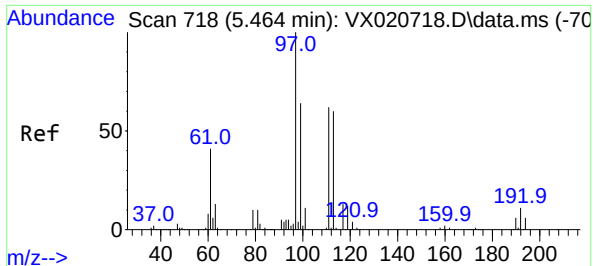
Tgt Ion: 65 Resp: 211566
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.000 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Tgt Ion: 114 Resp: 528425
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.8
88 16.2 0.0 32.8



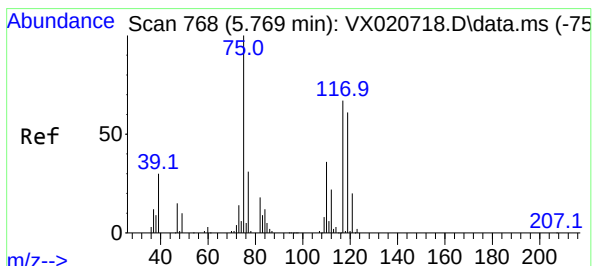
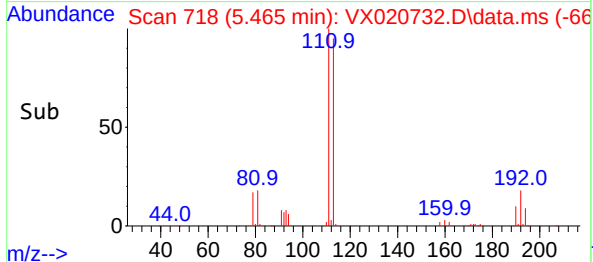
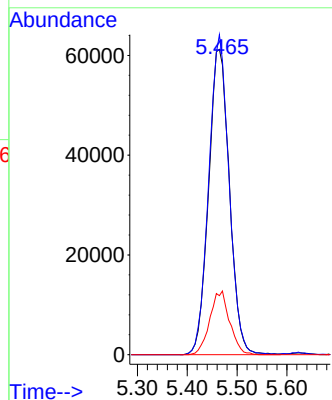
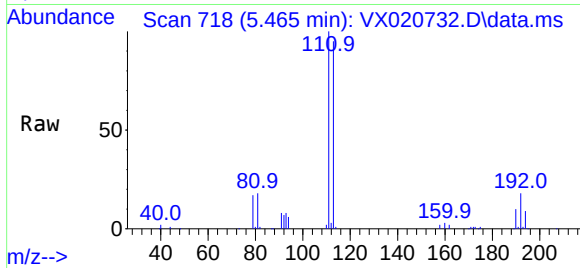


#35
Dibromofluoromethane
Concen: 49.19 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Instrument :
MSVOA_X
ClientSampleId :
41090DL

Tgt Ion:113 Resp: 178044

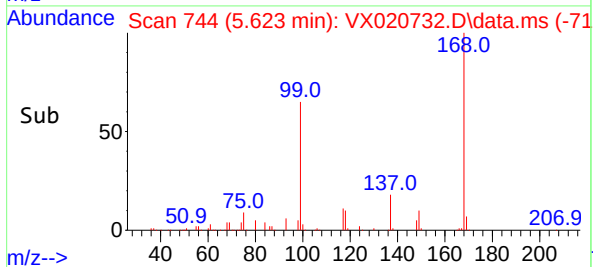
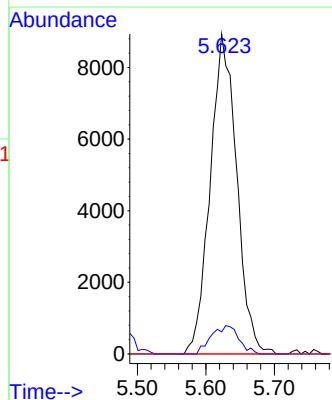
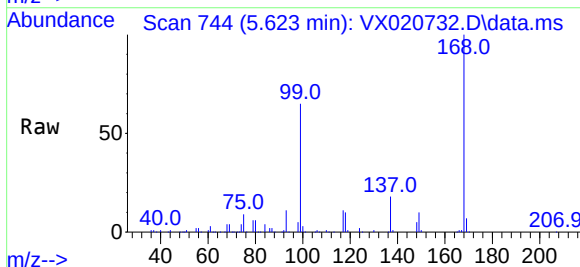
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.9	122.9
192	19.8	16.7	25.1

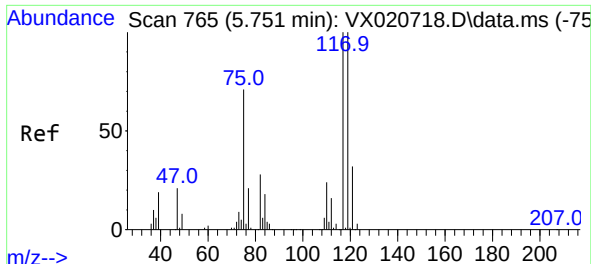


#36
1,1-Dichloropropene
Concen: 4.52 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Tgt Ion: 75 Resp: 23986

Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.4#
77	0.0	25.3	37.9#

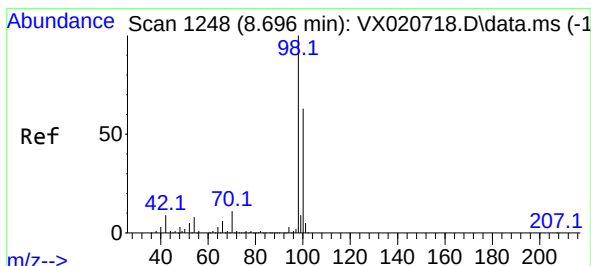
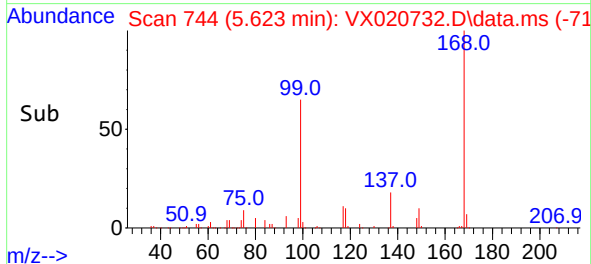
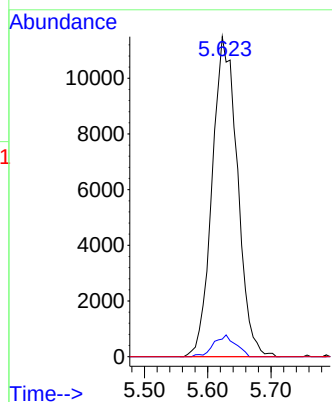
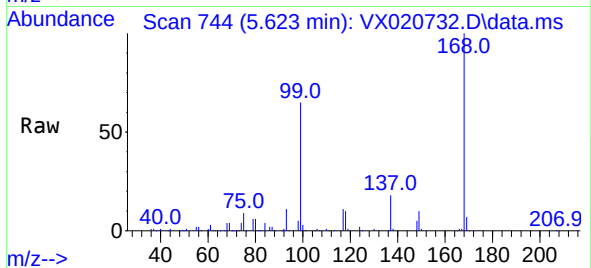




#38
Carbon Tetrachloride
Concen: 5.71 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.128 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

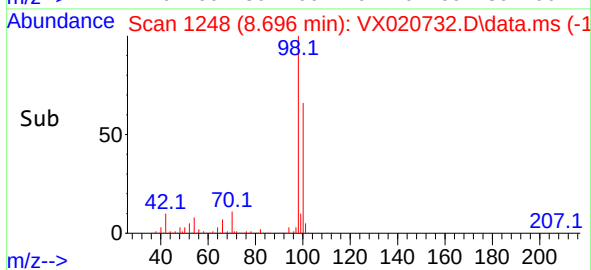
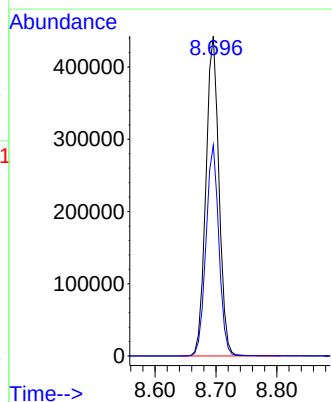
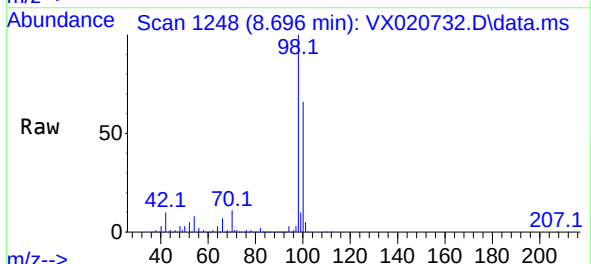
Instrument :
MSVOA_X
ClientSampleId :
41090DL

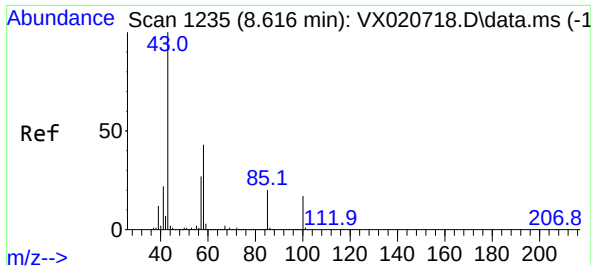
Tgt Ion:117 Resp: 31831
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.91 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Tgt Ion: 98 Resp: 662280
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

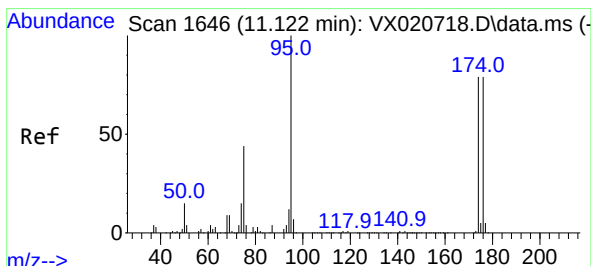
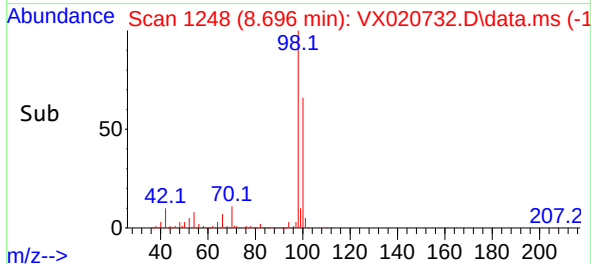
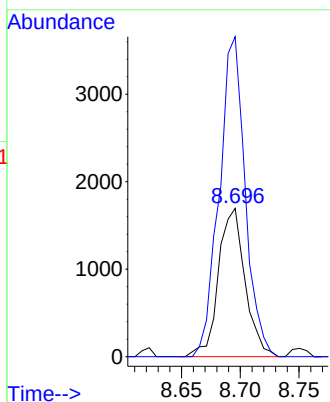
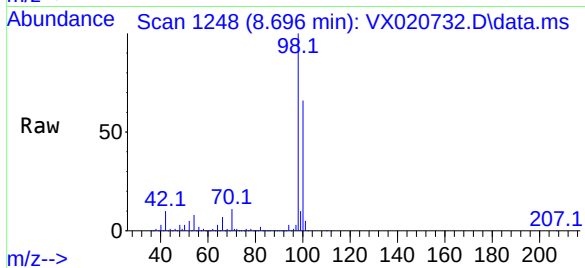




#51
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.080 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

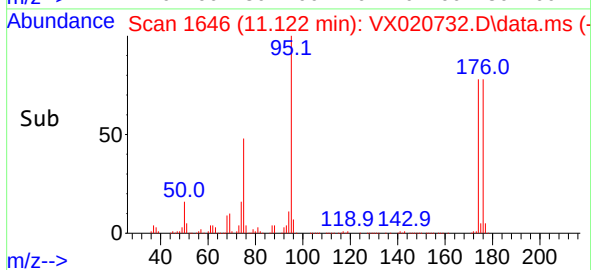
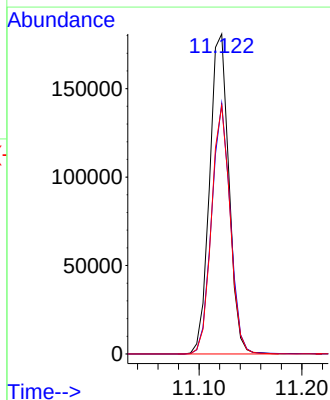
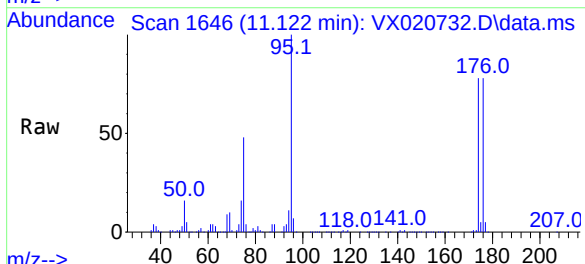
Instrument :
MSVOA_X
ClientSampleId :
41090DL

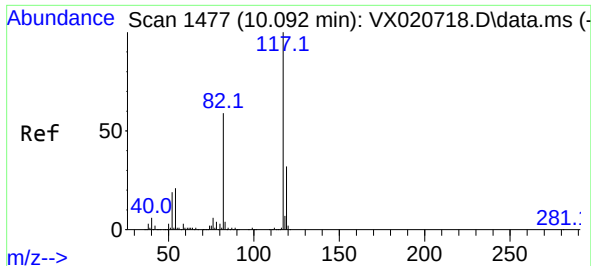
Tgt Ion: 43 Resp: 2678
Ion Ratio Lower Upper
43 100
58 210.0 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 45.68 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Tgt Ion: 95 Resp: 235425
Ion Ratio Lower Upper
95 100
174 75.8 0.0 154.6
176 75.0 0.0 155.8

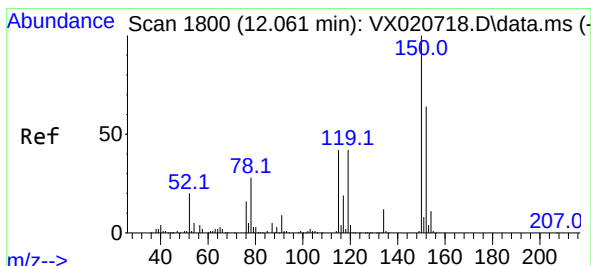
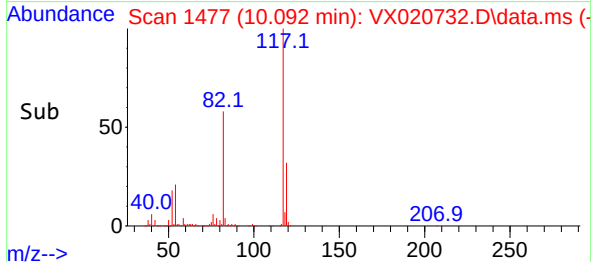
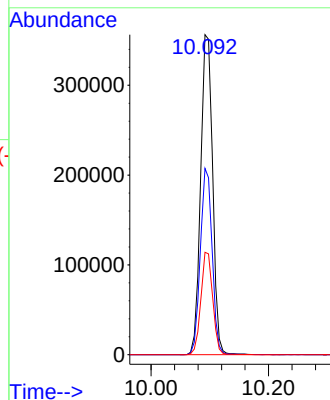
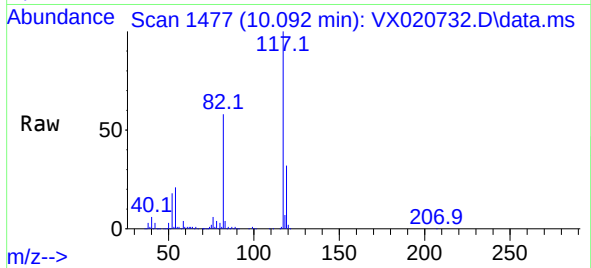




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

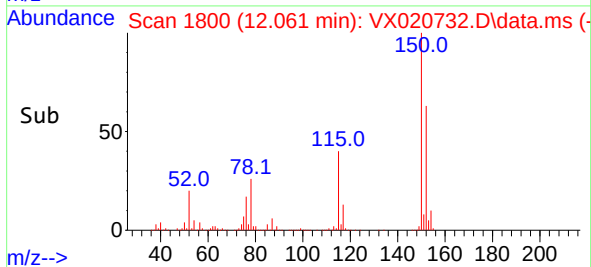
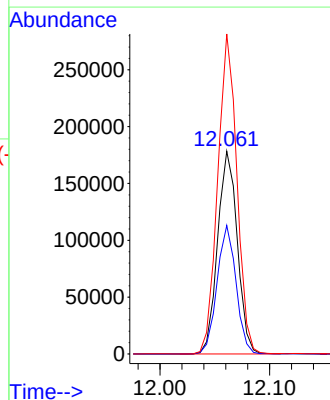
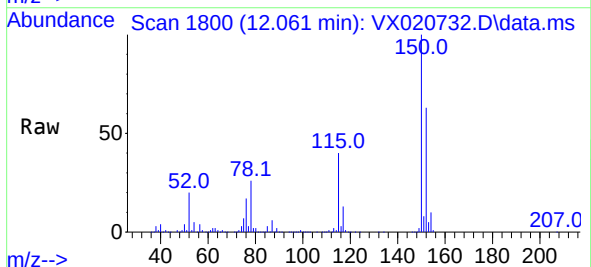
Instrument :
MSVOA_X
ClientSampled :
41090DL

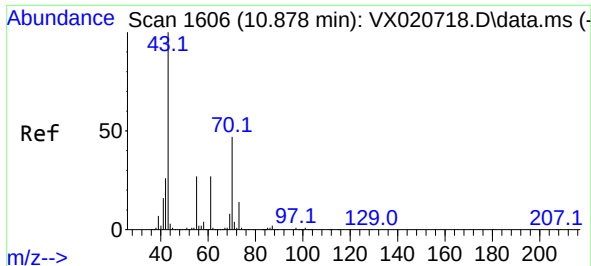
Tgt Ion:117 Resp: 505435
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Tgt Ion:152 Resp: 222982
Ion Ratio Lower Upper
152 100
115 61.1 41.1 123.3
150 153.9 0.0 349.0



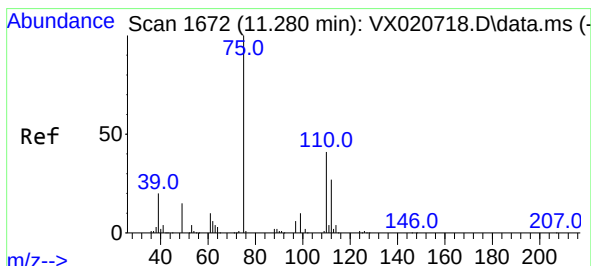
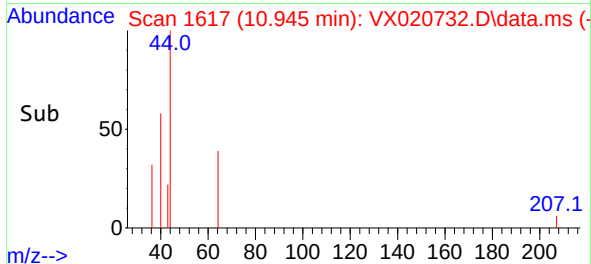
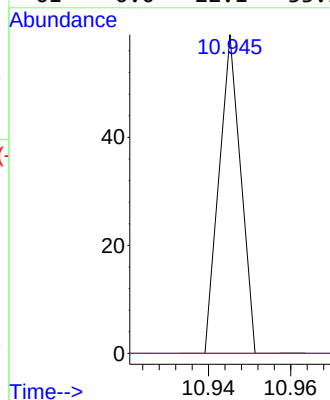
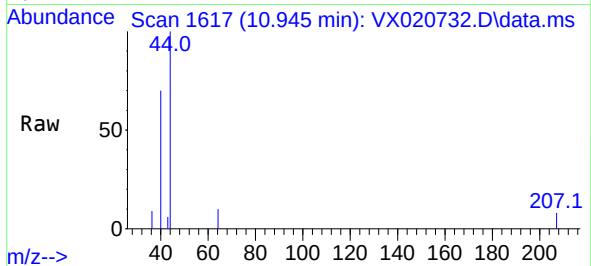


#74
N-amy1 acetate
Concen: 2.02 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. 0.067 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Instrument :
MSVOA_X
ClientSampleId :
41090DL

Tgt Ion: 43 Resp: 22

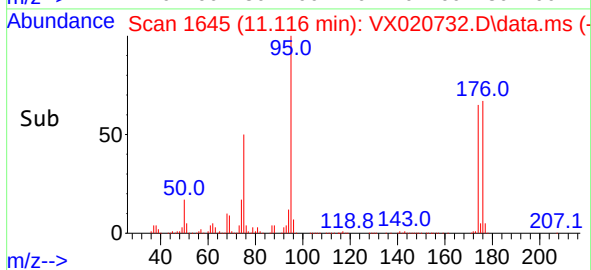
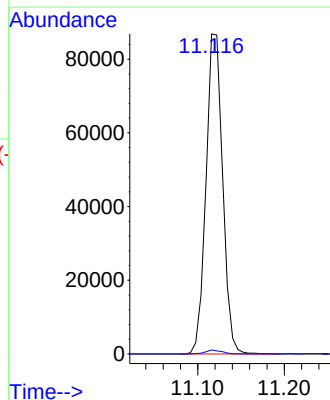
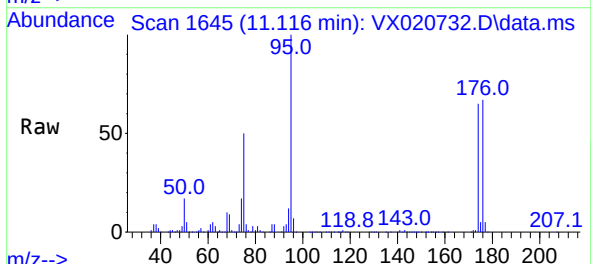
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	0.0	21.5	32.3#
61	0.0	22.1	33.1#

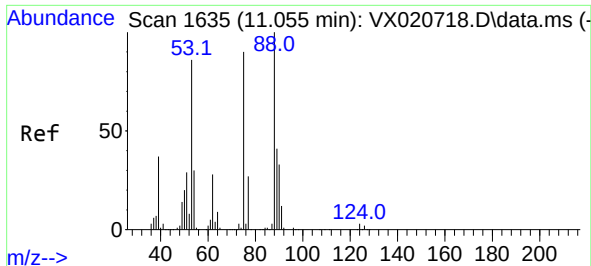


#76
1,2,3-Trichloropropane
Concen: 22.45 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Tgt Ion: 75 Resp: 116092

Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.1	57.5#

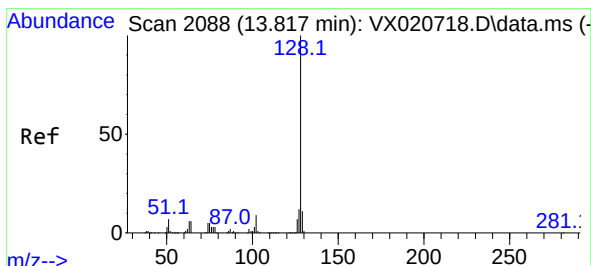
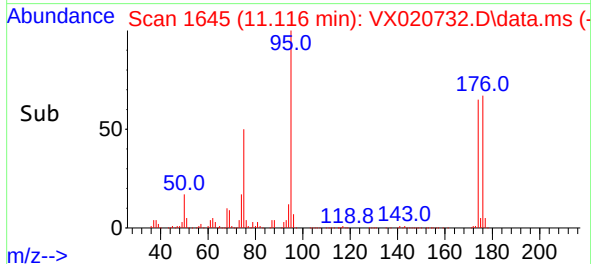
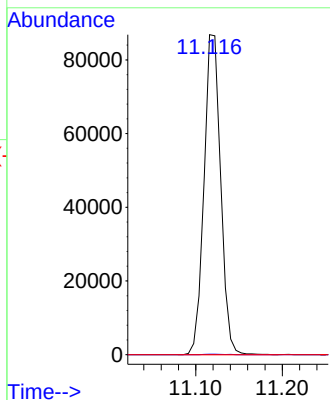
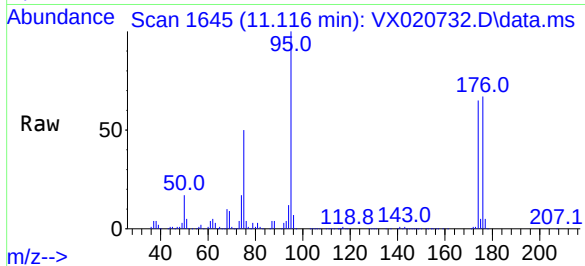




#81
trans-1,4-Dichloro-2-butene
Concen: 62.90 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Instrument :
MSVOA_X
ClientSampled :
41090DL

Tgt Ion: 75 Resp: 116092
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 2.92 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX020732.D
Acq: 25 Jan 2021 18:09

Tgt Ion: 128 Resp: 774
Ion Ratio Lower Upper
128 100
127 16.7 10.3 15.5#
129 7.8 8.8 13.2#

