

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020321\
 Data File : VX020848.D
 Acq On : 03 Feb 2021 18:14
 Operator : JC/SP
 Sample : M1289-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 152140-DDC-9-PD

Quant Time: Feb 04 02:25:57 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)

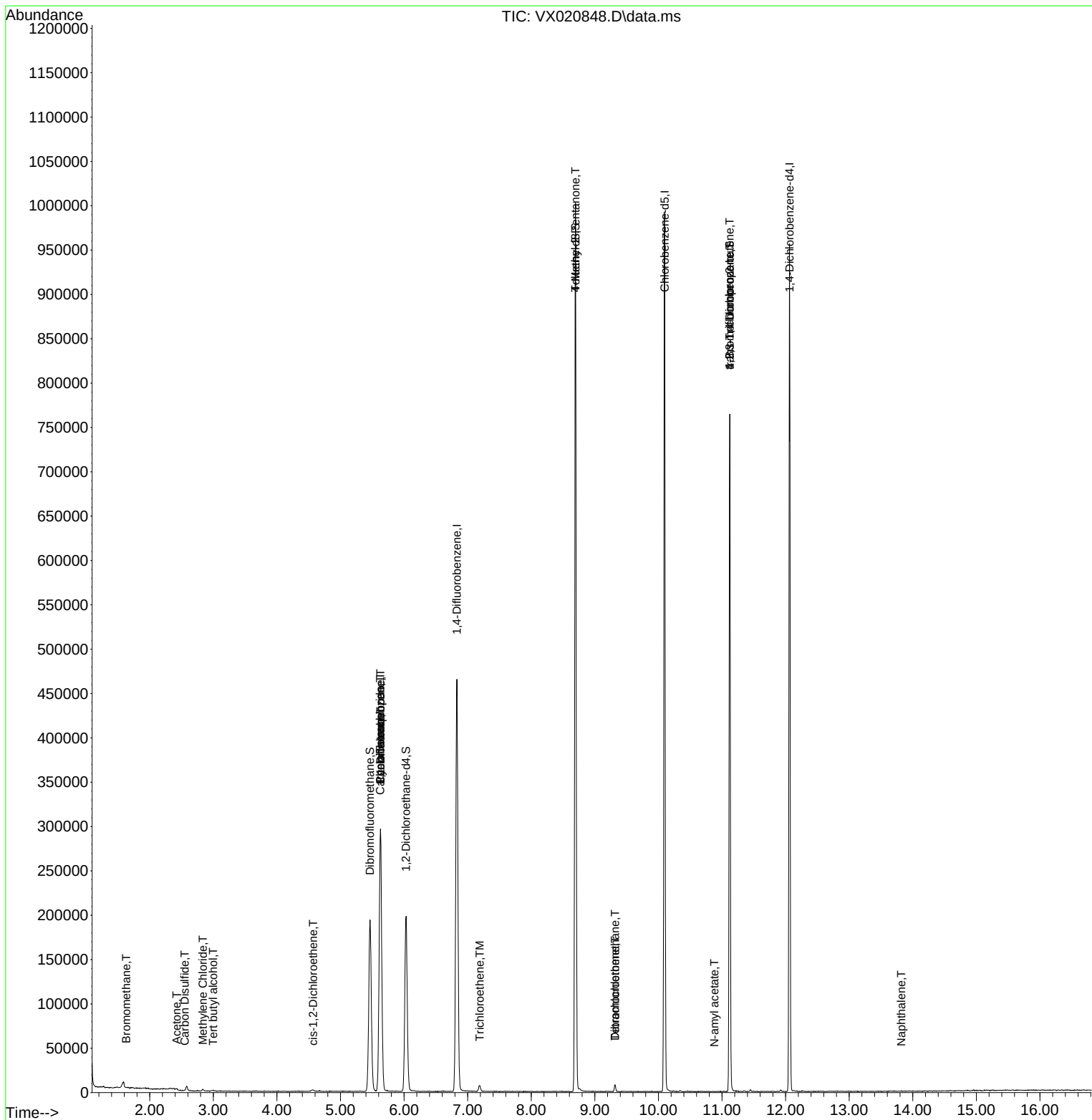
Internal Standards						
1) Pentafluorobenzene	5.629	168	270827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	471218	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	465190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	195874	50.00	ug/l	0.00

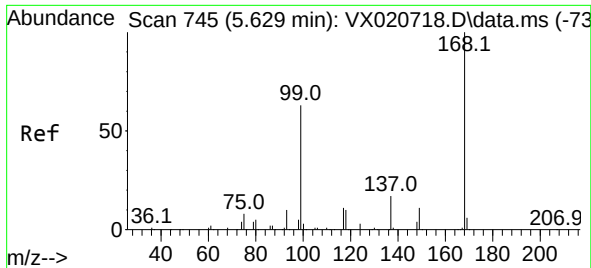
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	192326	52.06	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.12%
35) Dibromofluoromethane	5.465	113	167459	51.88	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.76%
50) Toluene-d8	8.696	98	586063	49.53	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.06%
62) 4-Bromofluorobenzene	11.122	95	208090	45.28	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.56%

Target Compounds						Qvalue
5) Bromomethane	1.630	94	484	0.27	ug/l #	62
11) Tert butyl alcohol	2.995	59	982	1.42	ug/l #	73
16) Acetone	2.422	43	1834	1.31	ug/l	92
17) Carbon Disulfide	2.550	76	244	0.93	ug/l #	75
20) Methylene Chloride	2.837	84	975	0.28	ug/l #	78
27) cis-1,2-Dichloroethene	4.568	96	1099	0.31	ug/l	82
31) Cyclohexane	5.629	56	5089	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	21414	4.53	ug/l #	49
38) Carbon Tetrachloride	5.623	117	28577	5.75	ug/l #	17
44) Trichloroethene	7.190	130	2726	0.74	ug/l	100
51) 4-Methyl-2-Pentanone	8.696	43	2274	0.50	ug/l #	1
60) Dibromochloromethane	9.317	129	1537	0.38	ug/l #	11
64) Tetrachloroethene	9.317	164	1459	0.41	ug/l	92
74) N-amyl acetate	10.878	43	28	2.02	ug/l #	38
76) 1,2,3-Trichloropropane	11.122	75	102143	22.48	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	102143	63.01	ug/l #	12
95) Naphthalene	13.817	128	162	2.88	ug/l #	69

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

Quant Time: Feb 04 02:25:57 2021
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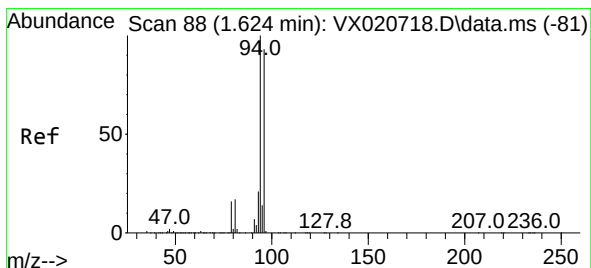
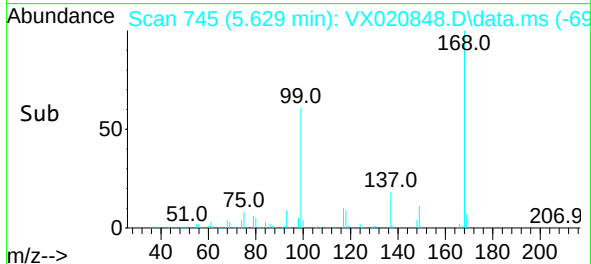
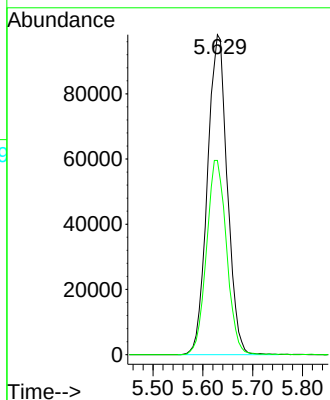
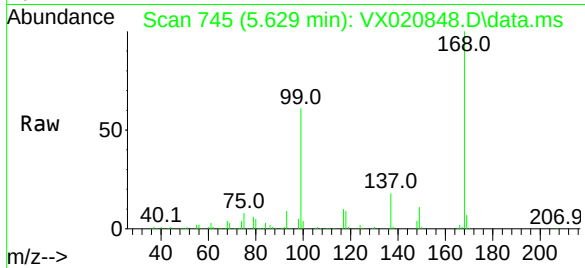




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

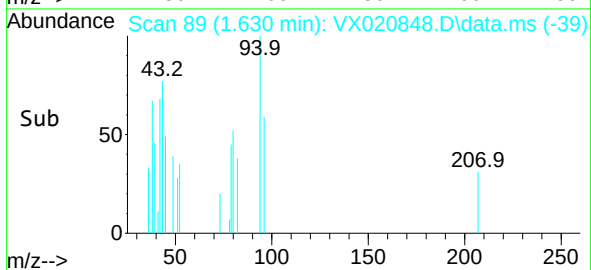
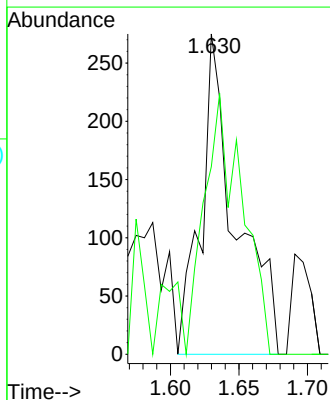
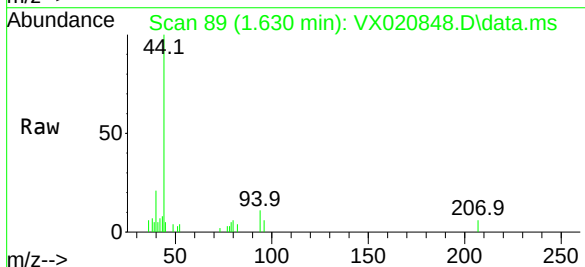
Instrument :
MSVOA_X
ClientSampleId :
152140-DDC-9-PD

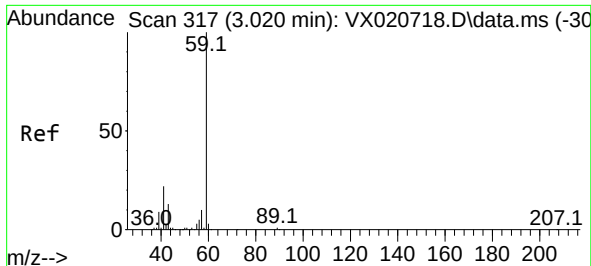
Tgt Ion:168 Resp: 270827
Ion Ratio Lower Upper
168 100
99 60.7 45.8 68.6



#5
Bromomethane
Concen: 0.27 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

Tgt Ion: 94 Resp: 484
Ion Ratio Lower Upper
94 100
96 58.5 76.4 114.6#



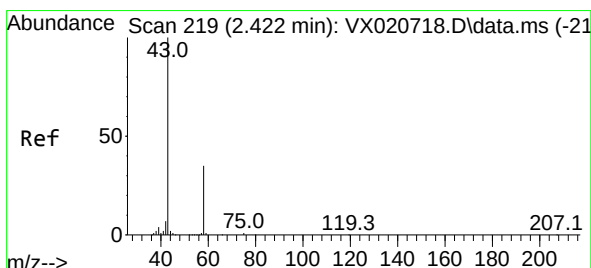
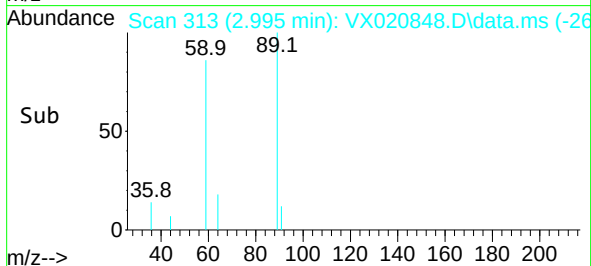
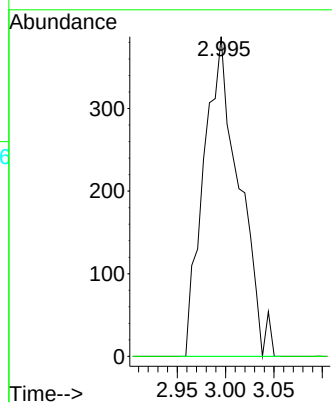
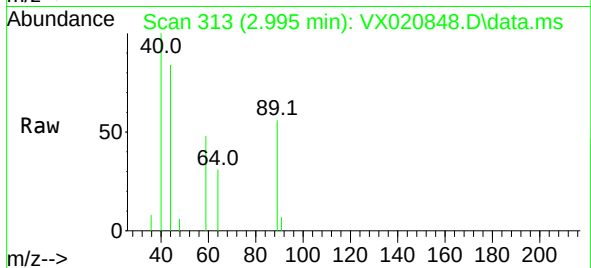


#11

Tert butyl alcohol
Concen: 1.42 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.025 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

Instrument :
MSVOA_X
ClientSampleId :
152140-DDC-9-PD

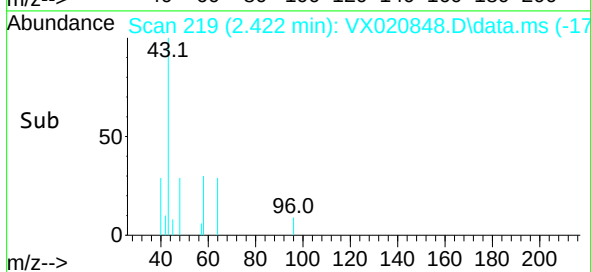
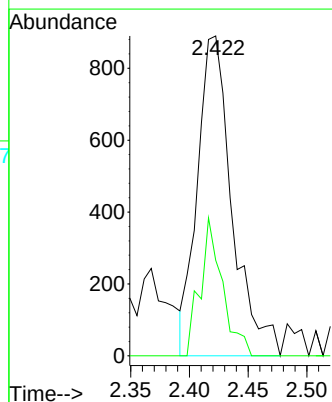
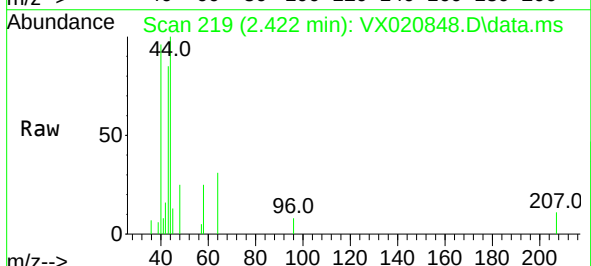
Tgt Ion: 59 Resp: 982
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

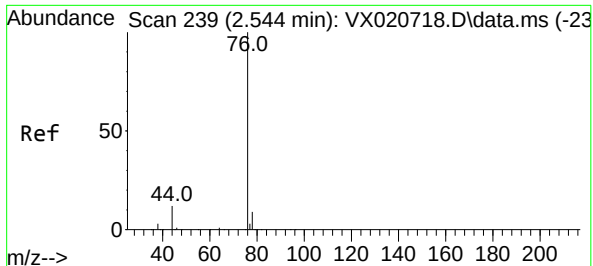


#16

Acetone
Concen: 1.31 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

Tgt Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
58 29.9 27.8 41.8

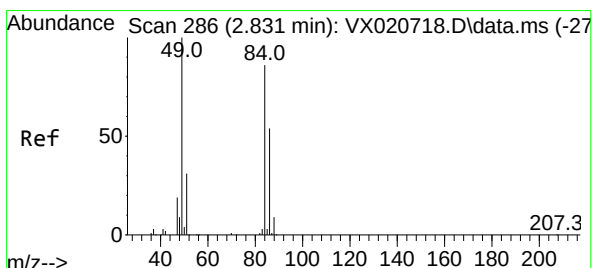
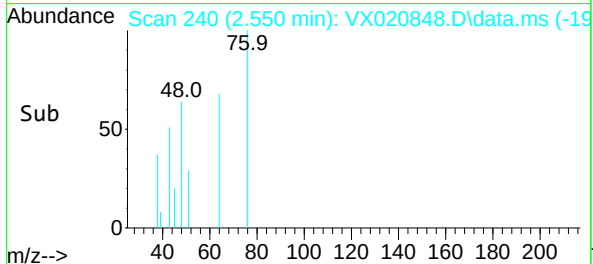
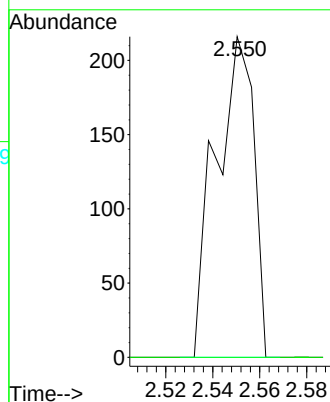
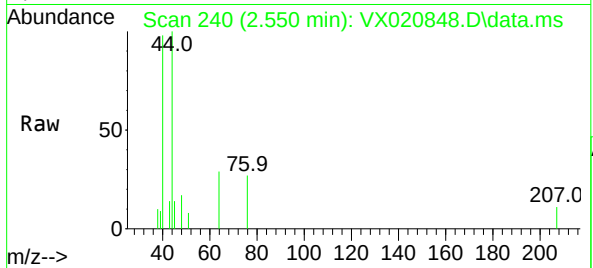




#17
Carbon Disulfide
Concen: 0.93 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

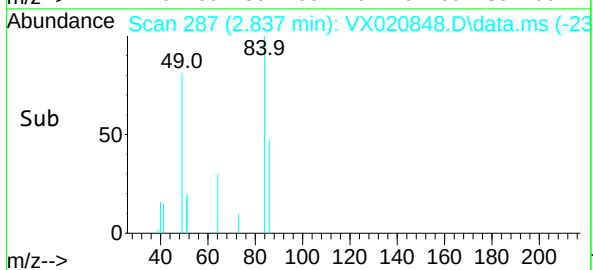
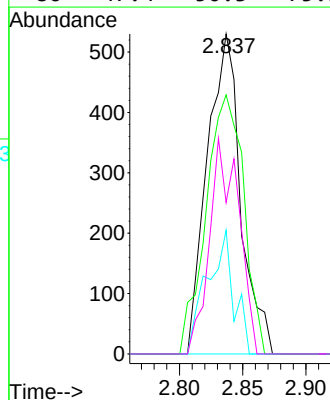
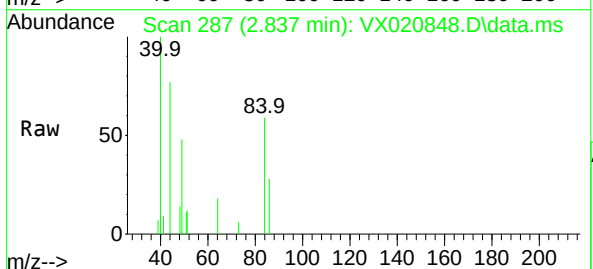
Instrument :
MSVOA_X
ClientSampleId :
152140-DDC-9-PD

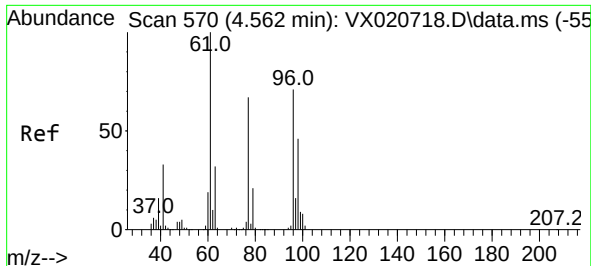
Tgt Ion: 76 Resp: 244
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.28 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

Tgt Ion: 84 Resp: 975
Ion Ratio Lower Upper
84 100
49 80.9 88.6 132.8#
51 38.7 27.0 40.6
86 47.4 50.3 75.5#





#27

cis-1,2-Dichloroethene

Concen: 0.31 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX020848.D

Acq: 03 Feb 2021 18:14

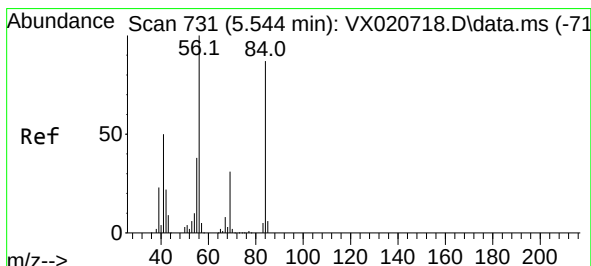
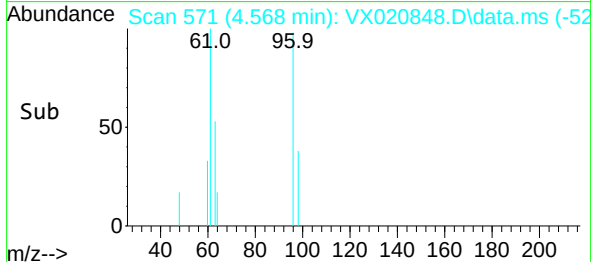
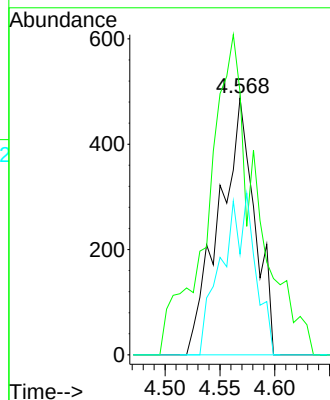
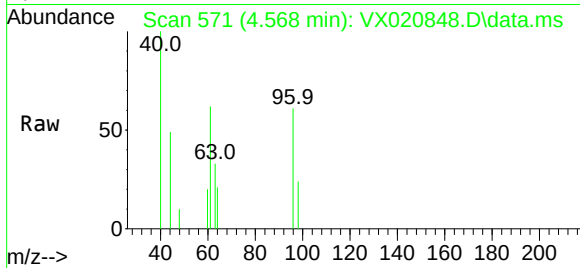
Instrument :

MSVOA_X

ClientSampleId :

152140-DDC-9-PD

Tgt Ion:	96	Resp:	1099
Ion	Ratio	Lower	Upper
96	100		
61	171.5	0.0	285.6
98	58.8	0.0	129.6



#31

Cyclohexane

Concen: 1.02 ug/l

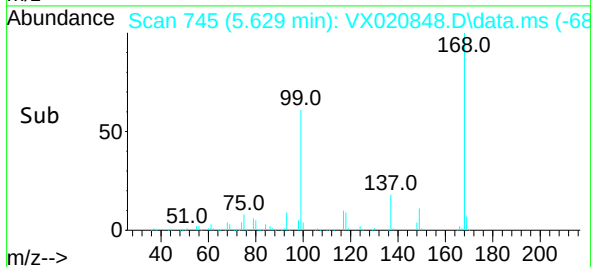
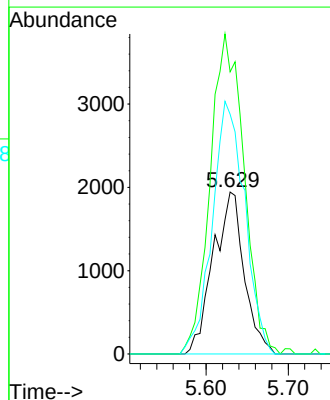
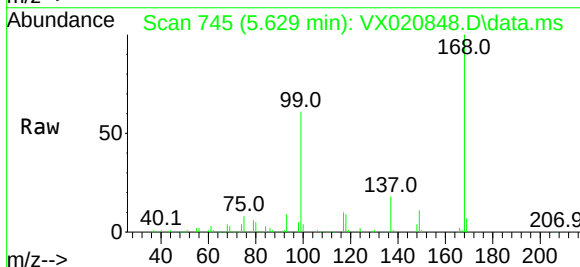
RT: 5.629 min Scan# 745

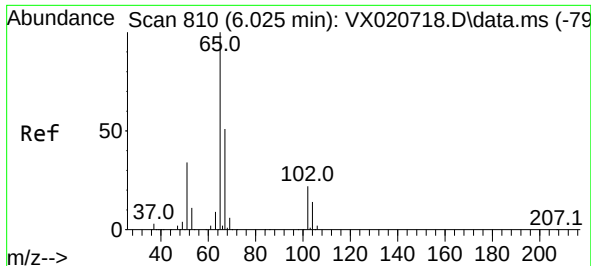
Delta R.T. 0.085 min

Lab File: VX020848.D

Acq: 03 Feb 2021 18:14

Tgt Ion:	56	Resp:	5089
Ion	Ratio	Lower	Upper
56	100		
69	174.1	25.3	37.9#
84	147.9	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 52.06 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020848.D

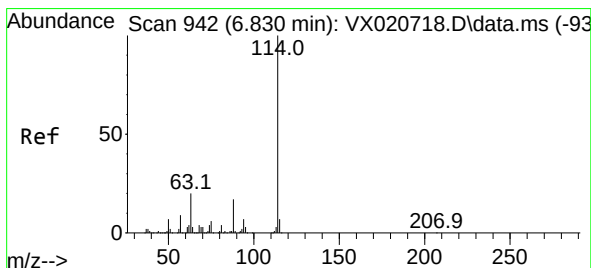
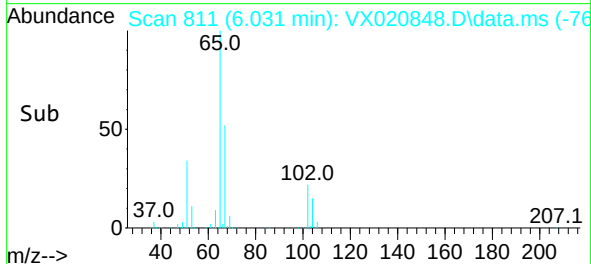
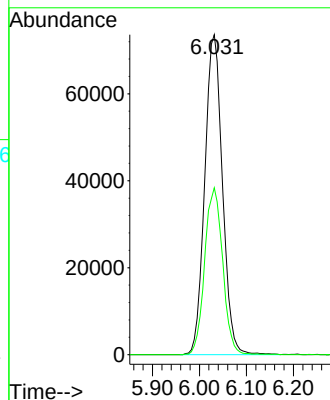
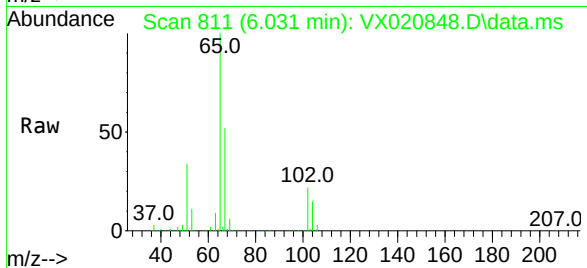
Acq: 03 Feb 2021 18:14

Tgt Ion: 65 Resp: 192326

Ion Ratio Lower Upper

65 100

67 53.0 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: VX020848.D

Acq: 03 Feb 2021 18:14

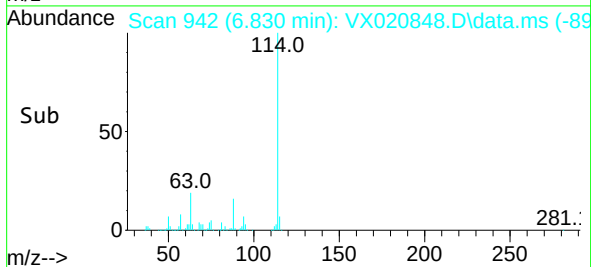
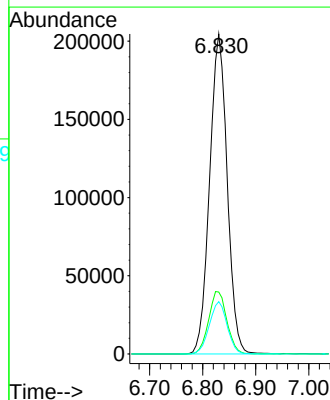
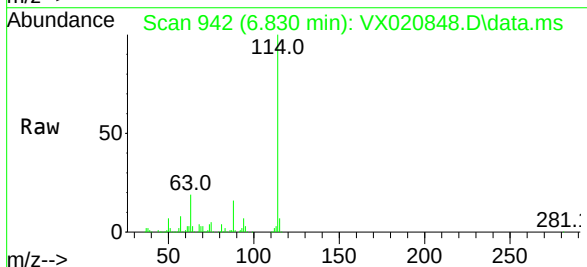
Tgt Ion: 114 Resp: 471218

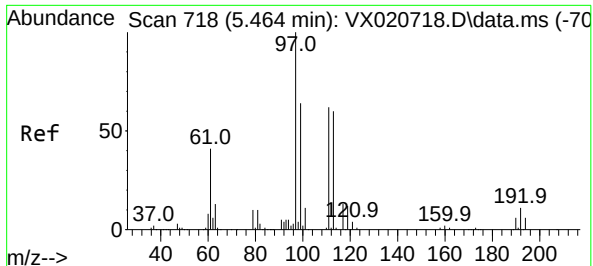
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

88 16.3 0.0 32.8

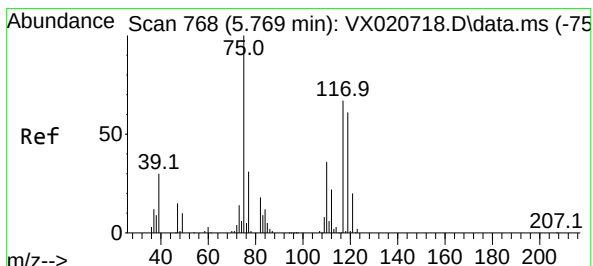
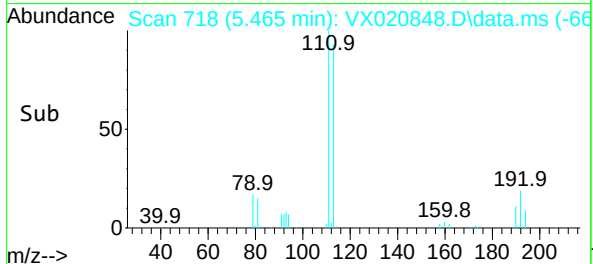
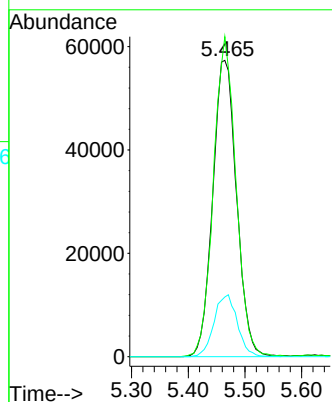
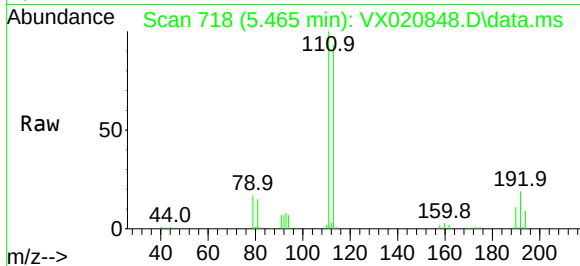




#35
Dibromofluoromethane
Concen: 51.88 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.001 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

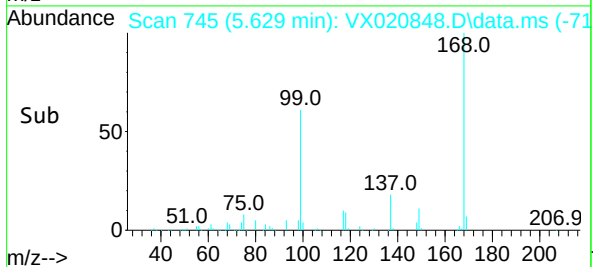
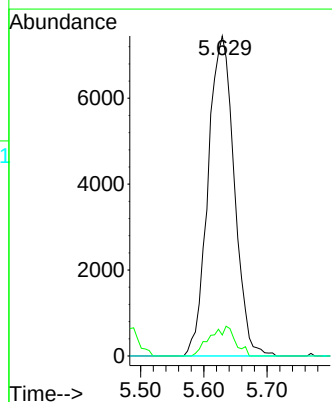
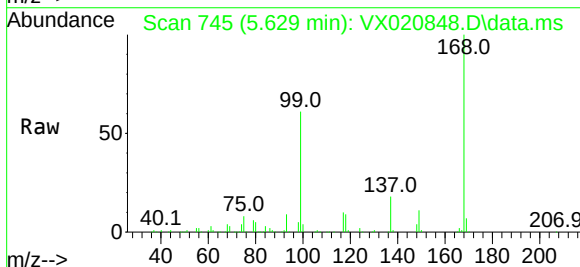
Instrument :
MSVOA_X
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152140-DDC-9-PD

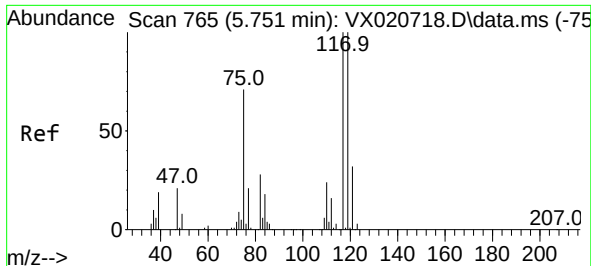
Tgt Ion:113 Resp: 167459
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 20.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.53 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

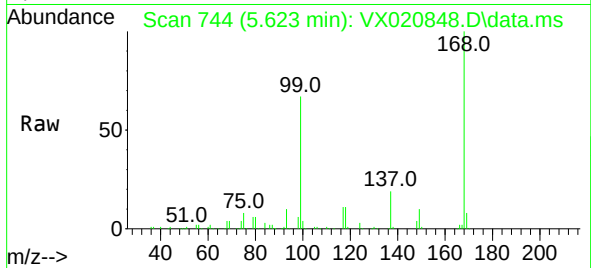
Tgt Ion: 75 Resp: 21414
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



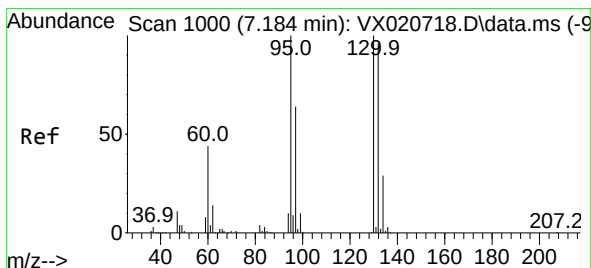
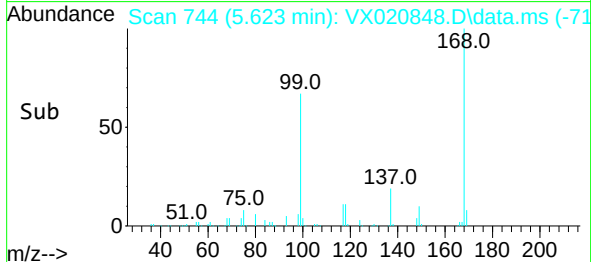
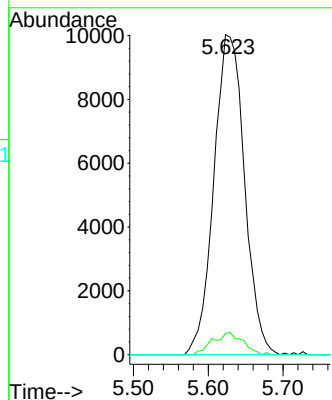


#38
Carbon Tetrachloride
Concen: 5.75 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.128 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

Instrument :
MSVOA_X
ClientSampleId :
152140-DDC-9-PD

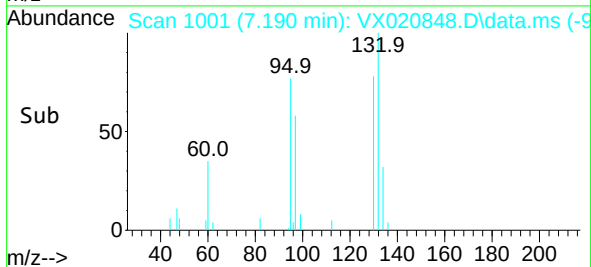
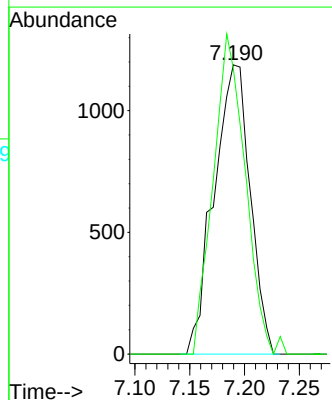
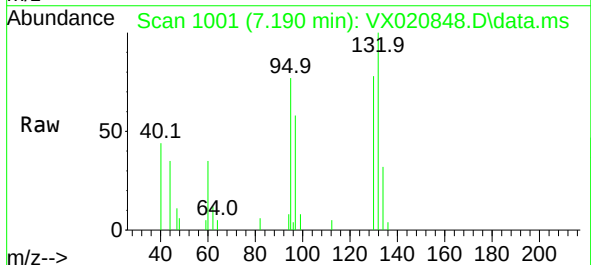


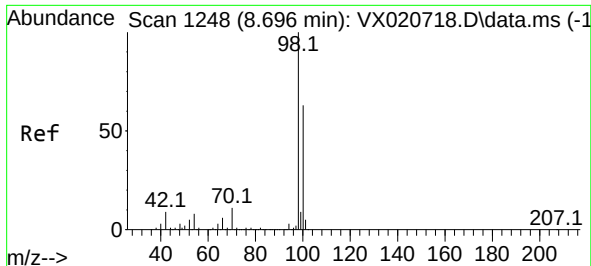
Tgt Ion:117 Resp: 28577
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 0.74 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

Tgt Ion:130 Resp: 2726
Ion Ratio Lower Upper
130 100
95 98.7 0.0 198.0

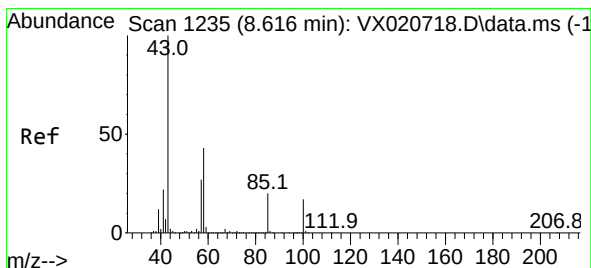
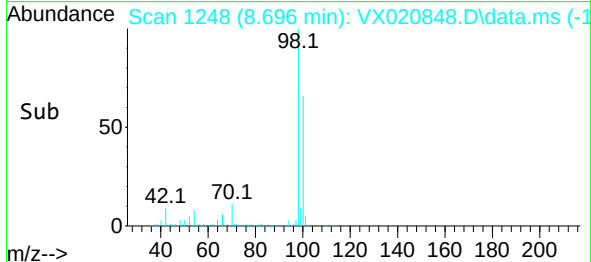
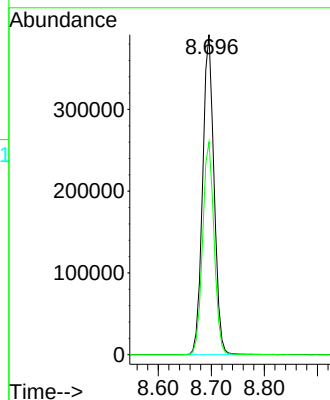
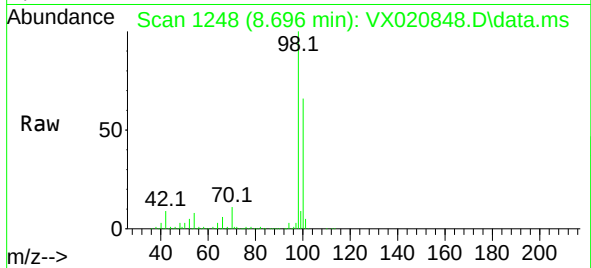




#50
Toluene-d8
Concen: 49.53 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

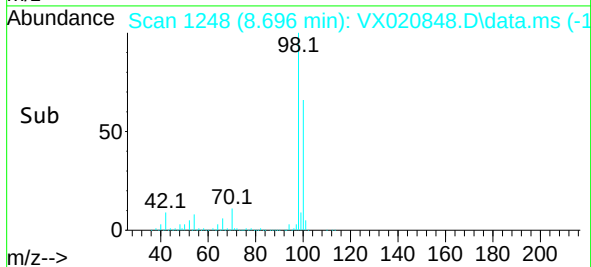
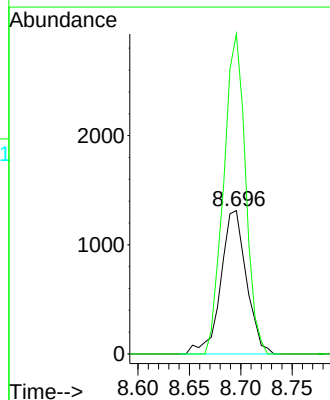
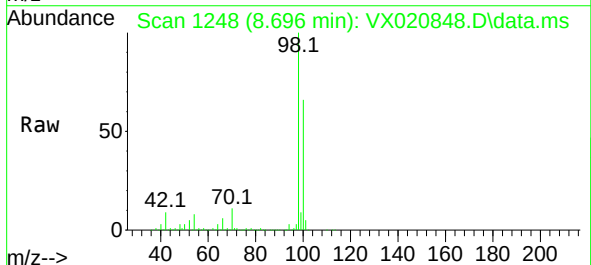
Instrument :
MSVOA_X
ClientSampleId :
152140-DDC-9-PD

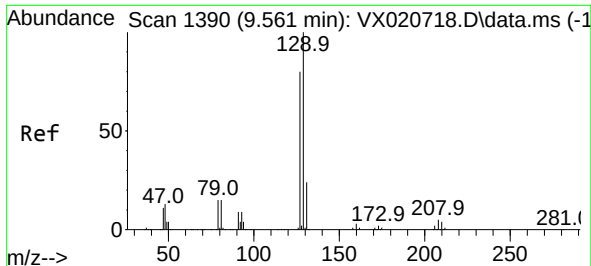
Tgt Ion: 98 Resp: 586063
Ion Ratio Lower Upper
98 100
100 66.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.080 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

Tgt Ion: 43 Resp: 2274
Ion Ratio Lower Upper
43 100
58 190.8 35.4 53.0#

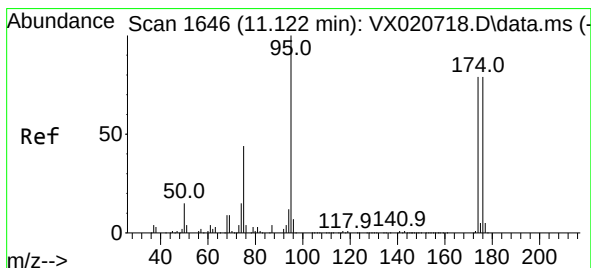
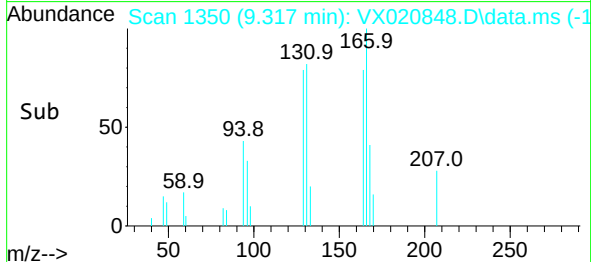
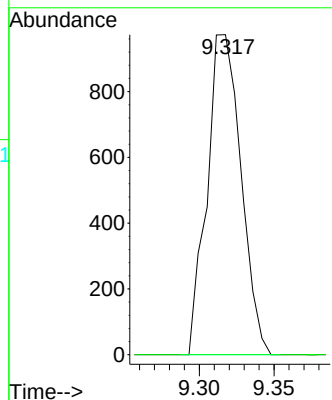
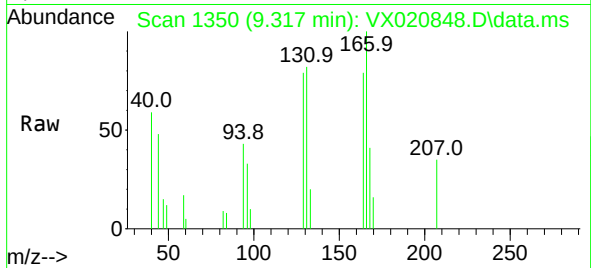




#60
Dibromochloromethane
Concen: 0.38 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

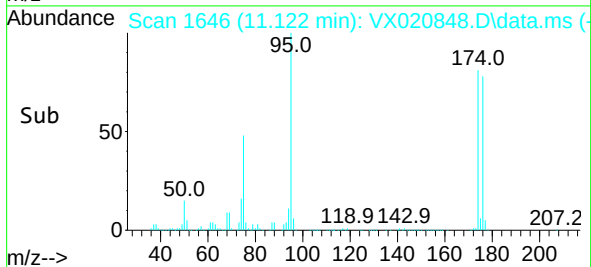
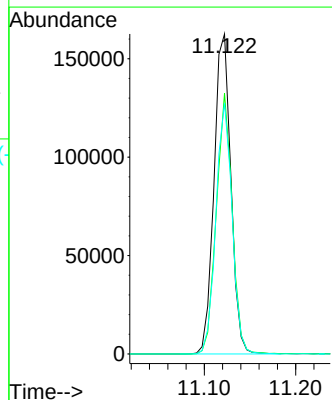
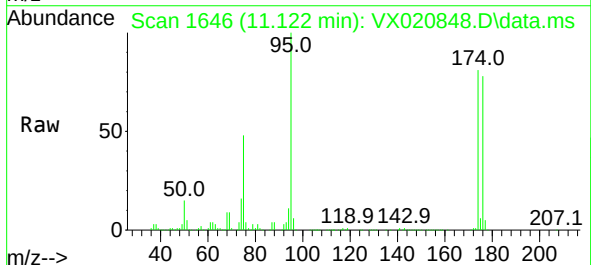
Instrument :
MSVOA_X
ClientSampleId :
152140-DDC-9-PD

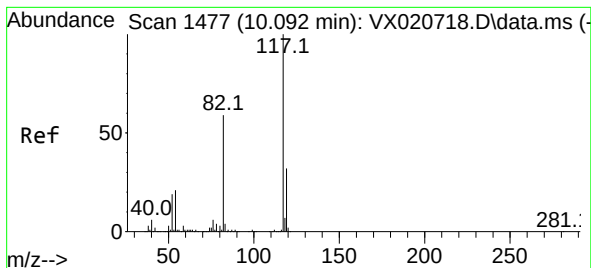
Tgt Ion:129 Resp: 1537
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.28 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

Tgt Ion: 95 Resp: 208090
Ion Ratio Lower Upper
95 100
174 76.7 0.0 154.6
176 75.6 0.0 155.8

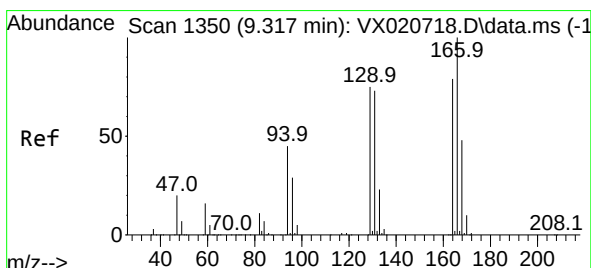
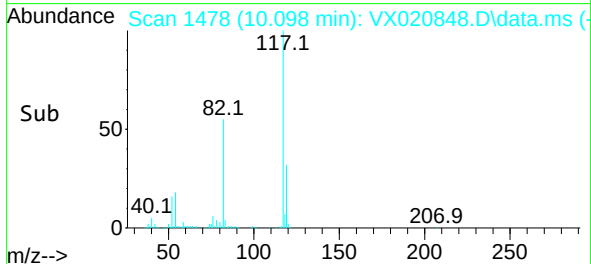
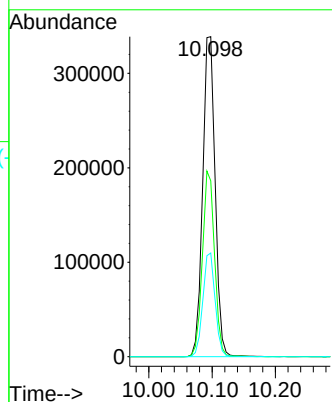
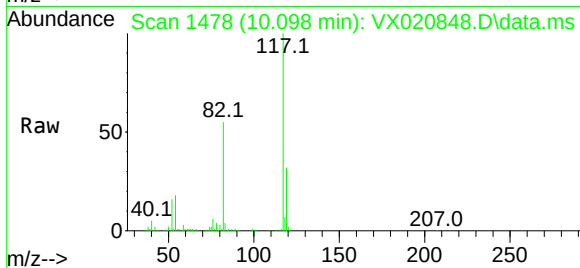




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

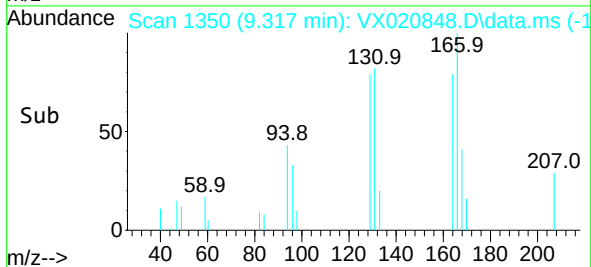
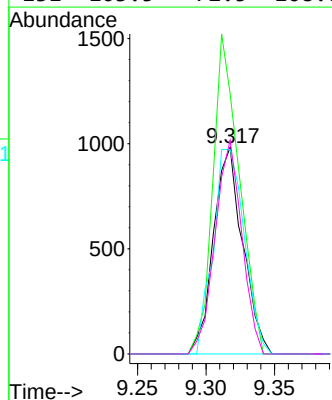
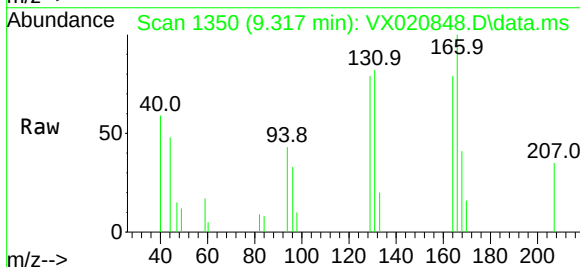
Instrument :
MSVOA_X
ClientSampleId :
152140-DDC-9-PD

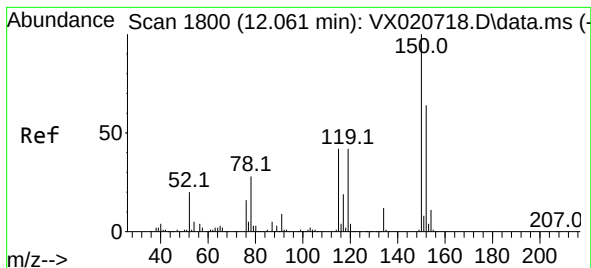
Tgt Ion:117 Resp: 465190
Ion Ratio Lower Upper
117 100
82 55.0 47.4 71.2
119 32.4 26.6 39.8



#64
Tetrachloroethene
Concen: 0.41 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

Tgt Ion:164 Resp: 1459
Ion Ratio Lower Upper
164 100
166 126.0 103.4 155.2
129 99.1 70.8 106.2
131 103.5 72.5 108.7

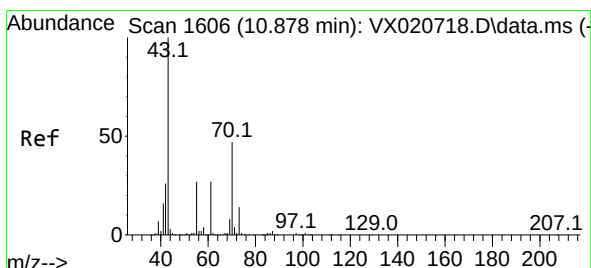
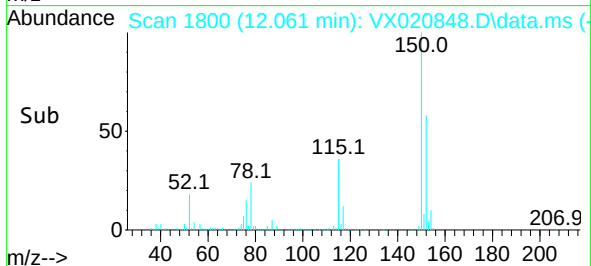
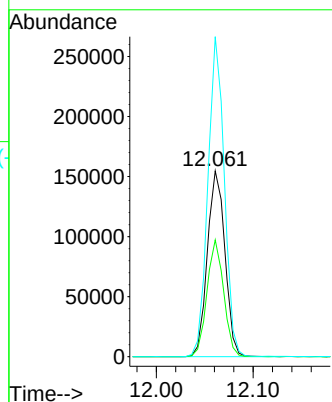
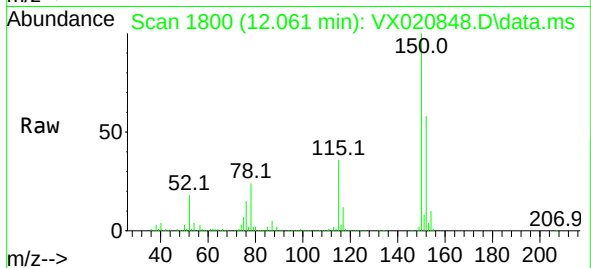




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

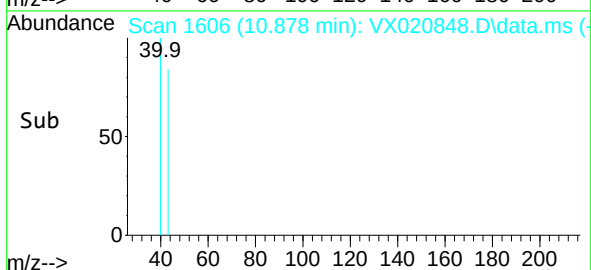
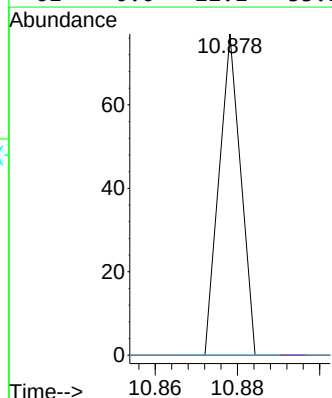
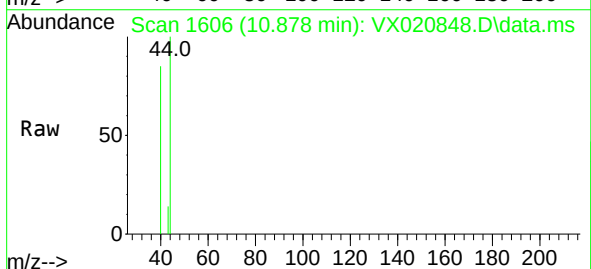
Instrument :
MSVOA_X
ClientSampleId :
152140-DDC-9-PD

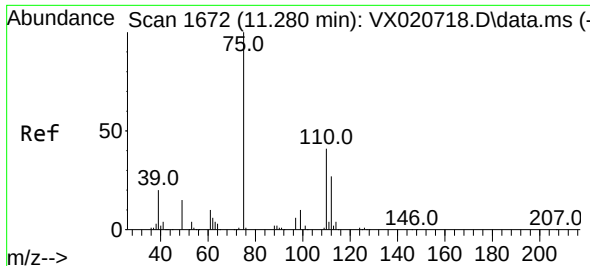
Tgt Ion:152 Resp: 195874
Ion Ratio Lower Upper
152 100
115 59.7 41.1 123.3
150 160.7 0.0 349.0



#74
N-ethyl acetate
Concen: 2.02 ug/l
RT: 10.878 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

Tgt Ion: 43 Resp: 28
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#

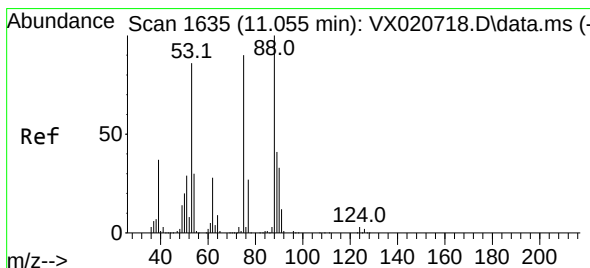
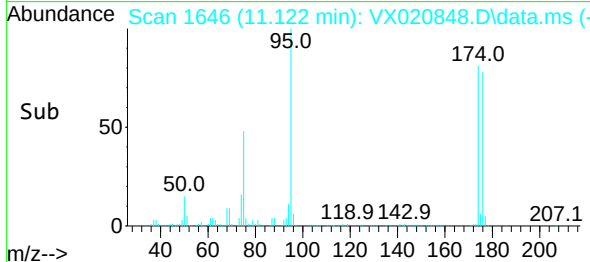
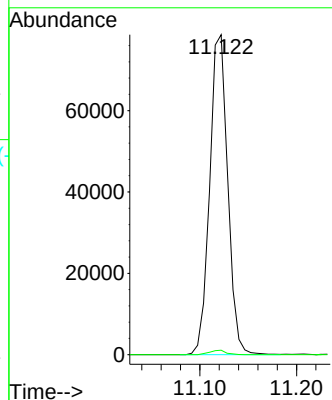
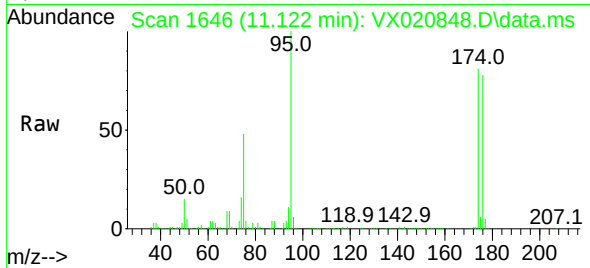




#76
1,2,3-Trichloropropane
Concen: 22.48 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

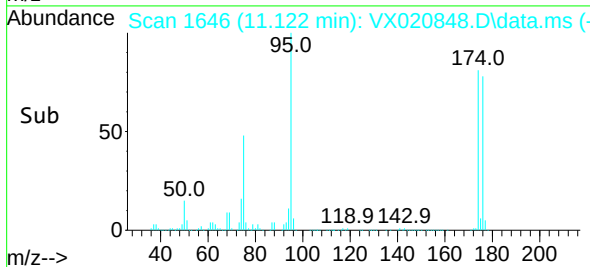
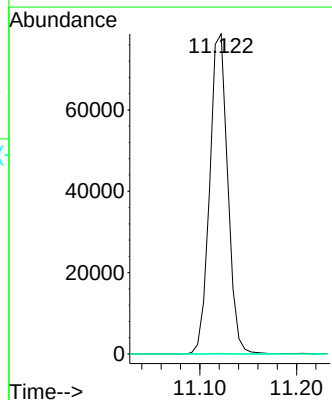
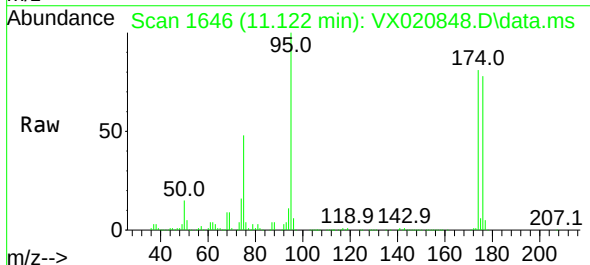
Instrument :
MSVOA_X
ClientSampleId :
152140-DDC-9-PD

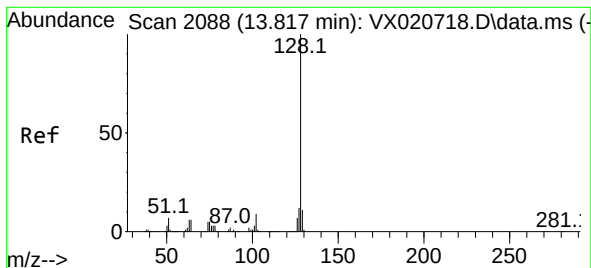
Tgt Ion: 75 Resp: 102143
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.01 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

Tgt Ion: 75 Resp: 102143
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 2.88 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX020848.D
Acq: 03 Feb 2021 18:14

Instrument :
MSVOA_X
ClientSampleId :
152140-DDC-9-PD

Tgt Ion:128 Resp: 162
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

