

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030221\
 Data File : VX020945.D
 Acq On : 01 Mar 2021 19:32
 Operator : JC/MD
 Sample : PB134860ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB134860ZHE#04

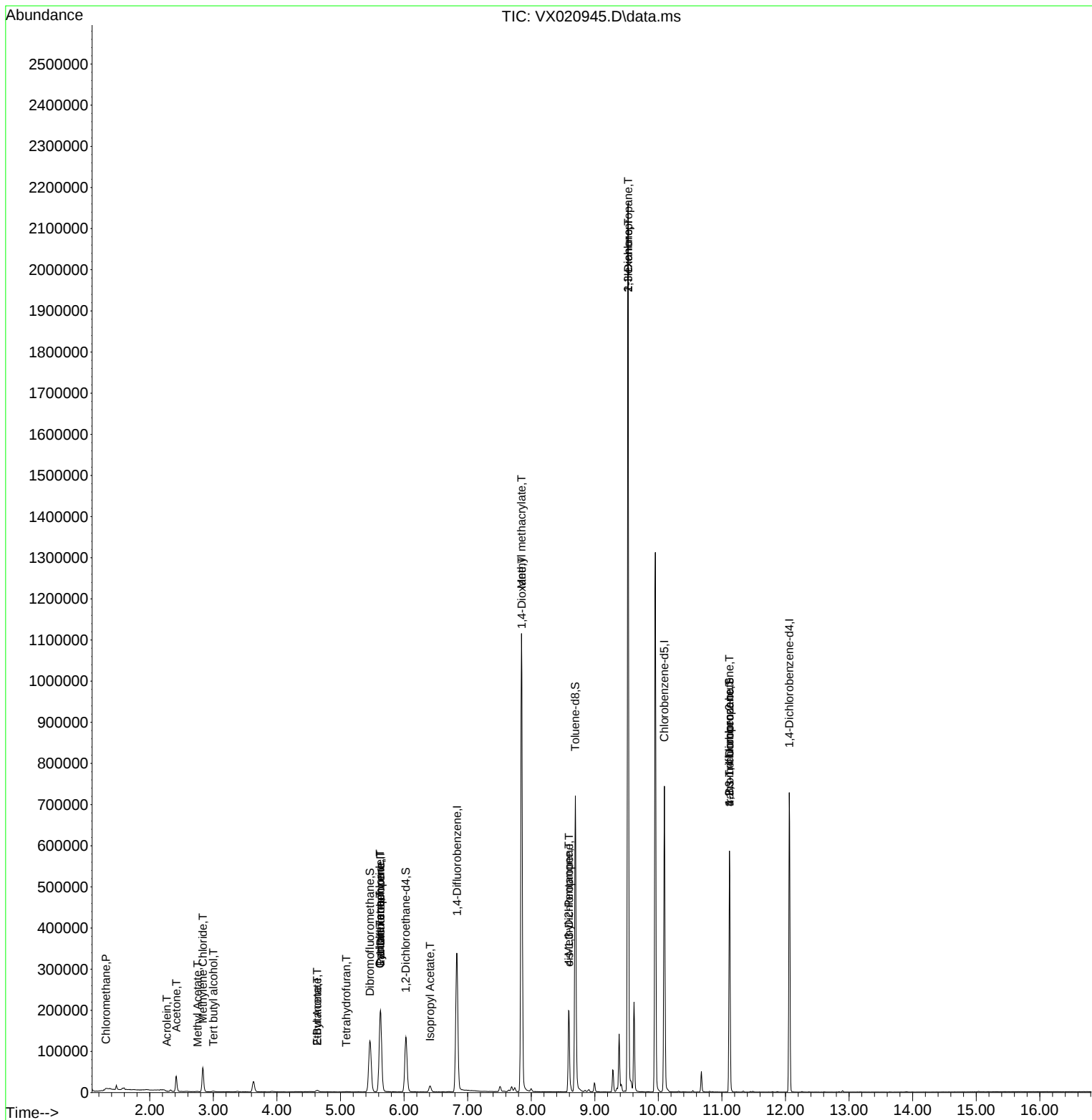
Quant Time: Mar 02 00:32:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	192100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	360302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	348055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	159229	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	126671	48.82	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.64%		
35) Dibromofluoromethane	5.464	113	111716	51.03	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.06%		
50) Toluene-d8	8.694	98	434088	50.86	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.72%		
62) 4-Bromofluorobenzene	11.118	95	166474	52.75	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.50%		
Target Compounds					Qvalue	
3) Chloromethane	1.311	50	620	0.27	ug/l #	86
5) Bromomethane	1.640	94	374	Below Cal		88
11) Tert butyl alcohol	2.999	59	1761	3.05	ug/l #	94
13) Acrolein	2.270	56	205	0.57	ug/l	94
16) Acetone	2.417	43	38401	35.92	ug/l	96
18) Methyl Acetate	2.752	43	1051	0.42	ug/l	97
20) Methylene Chloride	2.834	84	29008	11.31	ug/l	95
25) 2-Butanone	4.635	43	5502	3.39	ug/l	100
29) Tetrahydrofuran	5.094	42	637	0.61	ug/l #	59
31) Cyclohexane	5.623	56	3972	1.06	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	14439	4.22	ug/l #	49
37) Ethyl Acetate	4.635	43	5502	1.69	ug/l #	64
38) Carbon Tetrachloride	5.623	117	18513	5.58	ug/l #	16
43) Isopropyl Acetate	6.411	43	19254	3.47	ug/l	99
48) Methyl methacrylate	7.847	41	89663	32.25	ug/l #	35
49) 1,4-Dioxane	7.853	88	117	1.80	ug/l #	1
51) 4-Methyl-2-Pentanone	8.588	43	66003	20.45	ug/l #	48
54) cis-1,3-Dichloropropene	8.594	75	36053	8.13	ug/l #	56
57) 1,3-Dichloropropane	9.524	76	19593	4.52	ug/l #	43
59) 2-Hexanone	9.524	43	227352	93.91	ug/l #	46
76) 1,2,3-Trichloropropane	11.118	75	78461	22.91	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	78461	50.71	ug/l #	12

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

Quant Time: Mar 02 00:32:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 24 13:50:55 2021
Response via : Initial Calibration

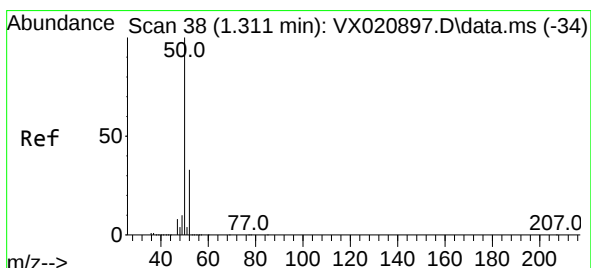
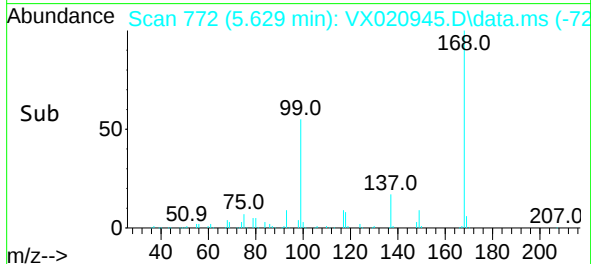
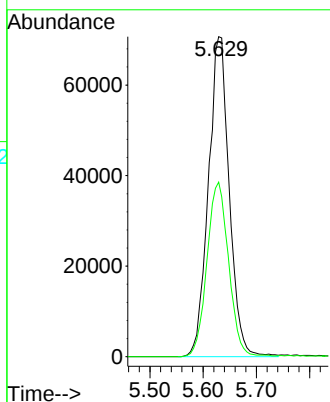
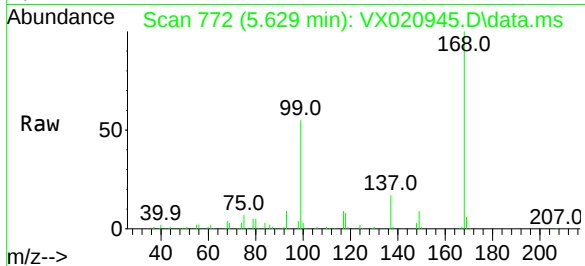




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

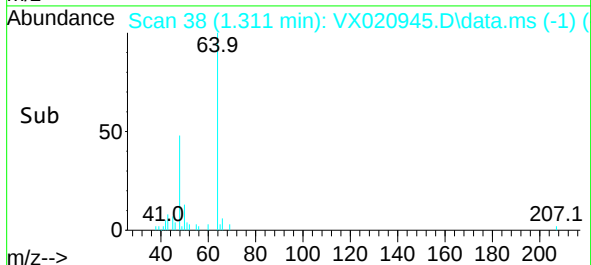
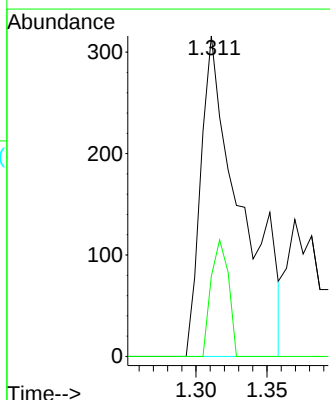
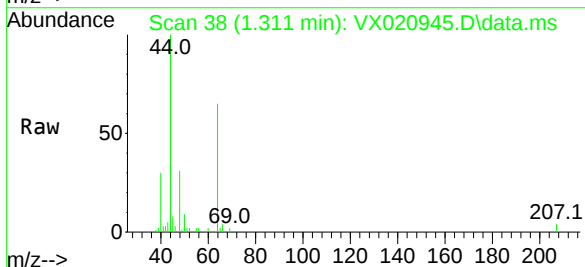
Instrument :
MSVOA_X
ClientSampleId :
PB134860ZHE#04

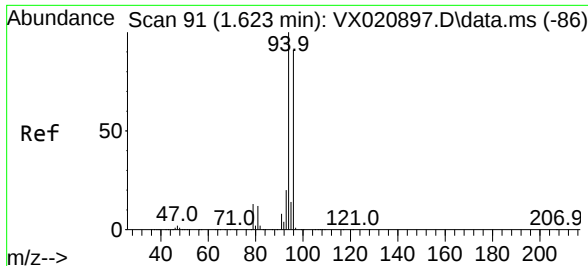
Tgt Ion:168 Resp: 192100
Ion Ratio Lower Upper
168 100
99 54.5 45.8 68.6



#3
Chloromethane
Concen: 0.27 ug/l
RT: 1.311 min Scan# 38
Delta R.T. -0.000 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

Tgt Ion: 50 Resp: 620
Ion Ratio Lower Upper
50 100
52 25.0 26.4 39.6#

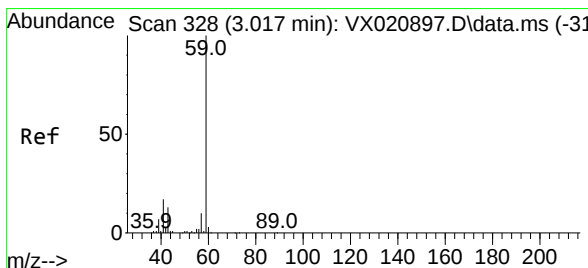
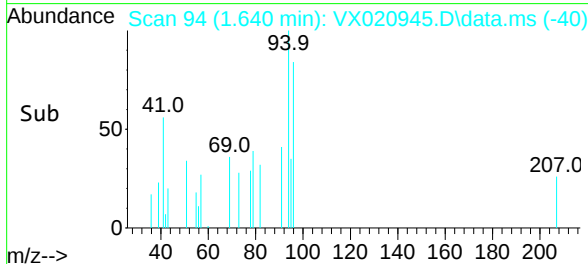
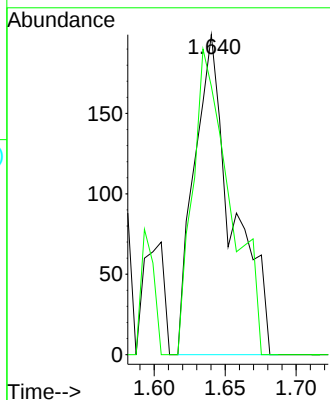
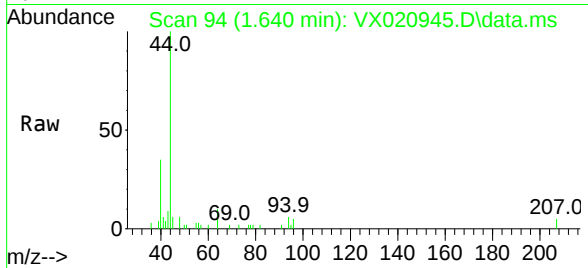




#5
Bromomethane
Concen: Below Cal
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

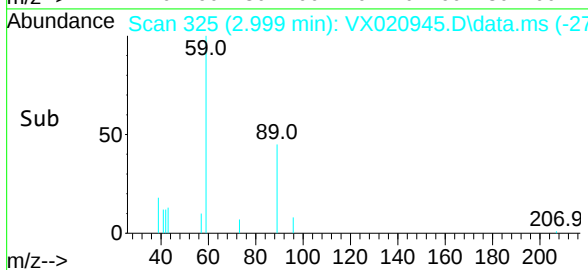
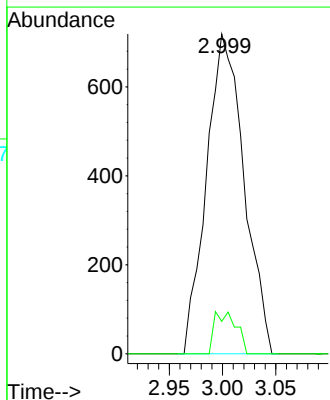
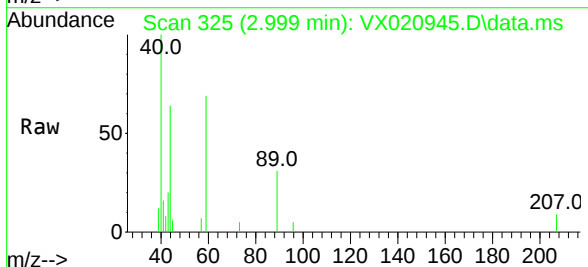
Instrument :
MSVOA_X
ClientSampleId :
PB134860ZHE#04

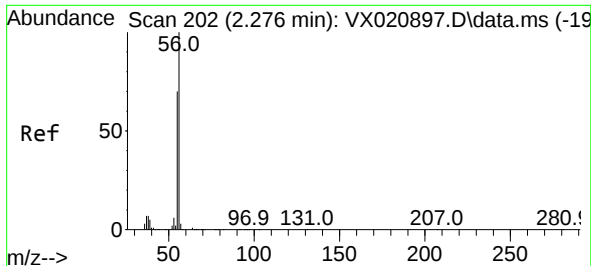
Tgt Ion: 94 Resp: 374
Ion Ratio Lower Upper
94 100
96 83.9 76.4 114.6



#11
Tert butyl alcohol
Concen: 3.05 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.018 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

Tgt Ion: 59 Resp: 1761
Ion Ratio Lower Upper
59 100
57 7.7 7.8 11.8#

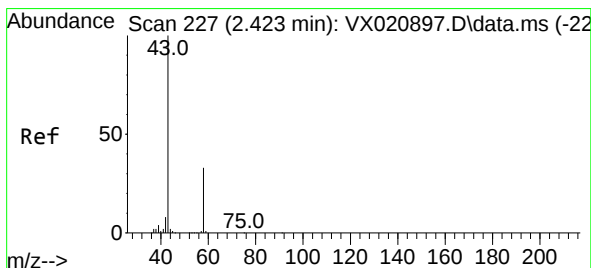
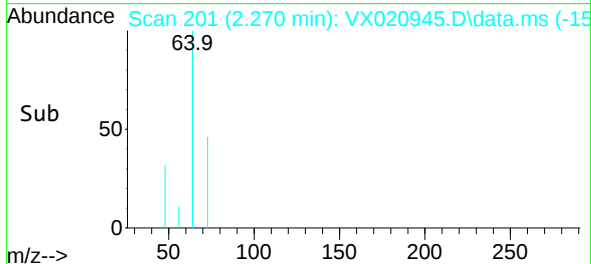
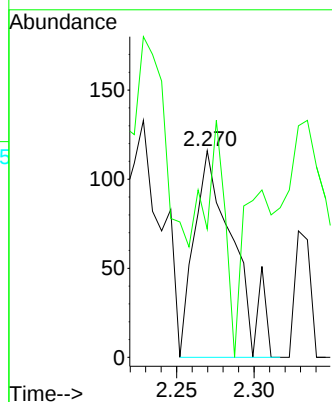
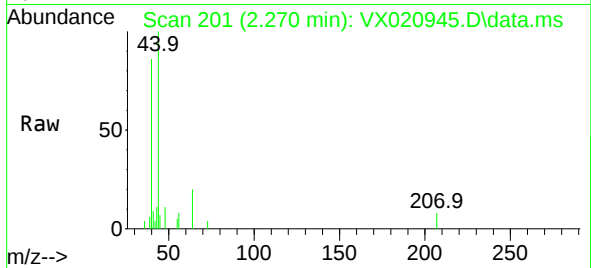




#13
Acrolein
Concen: 0.57 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

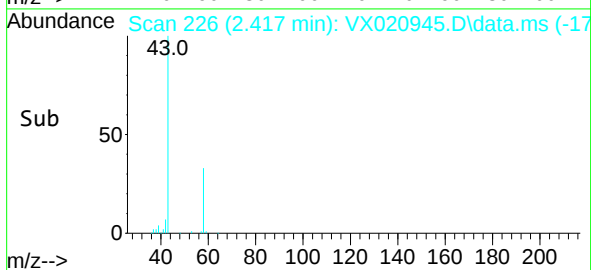
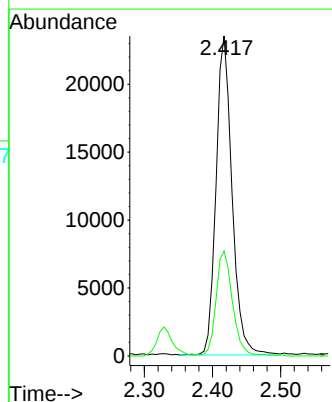
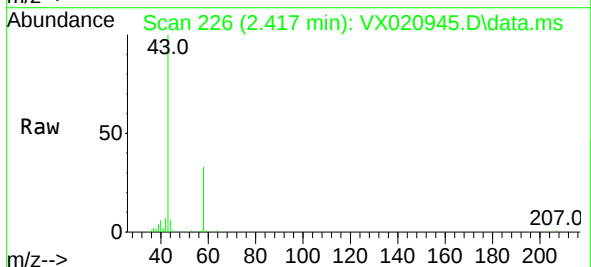
Instrument :
MSVOA_X
ClientSampleId :
PB134860ZHE#04

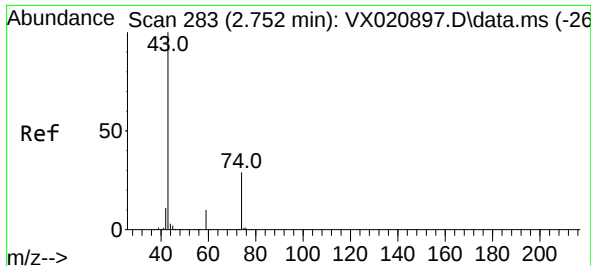
Tgt Ion: 56 Resp: 205
Ion Ratio Lower Upper
56 100
55 65.4 56.4 84.6



#16
Acetone
Concen: 35.92 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

Tgt Ion: 43 Resp: 38401
Ion Ratio Lower Upper
43 100
58 32.6 27.8 41.8

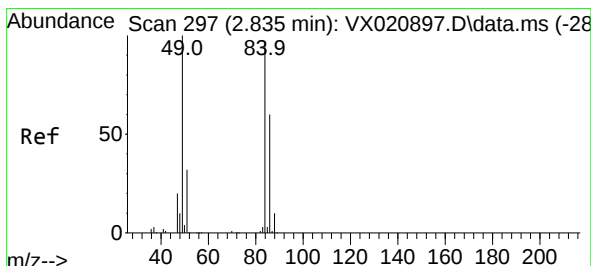
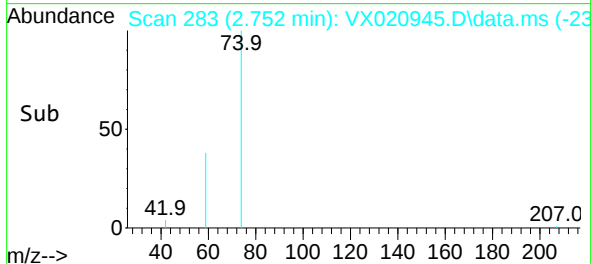
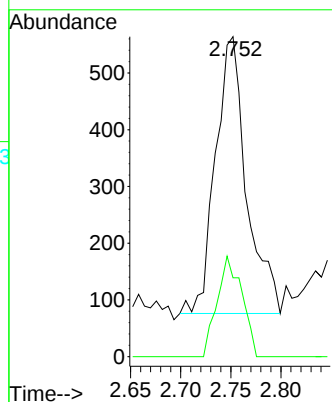
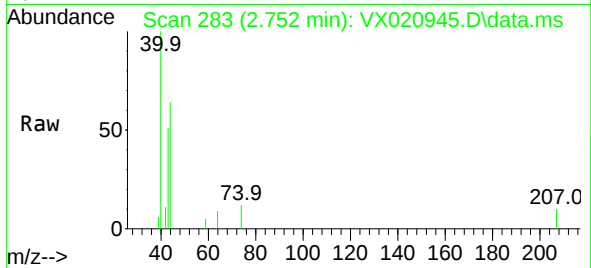




#18
Methyl Acetate
Concen: 0.42 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

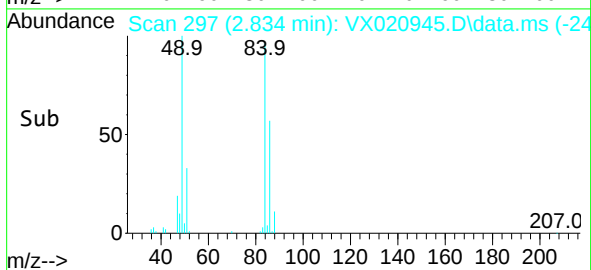
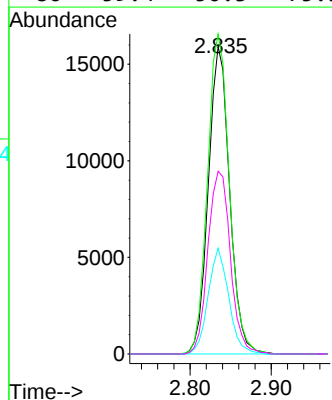
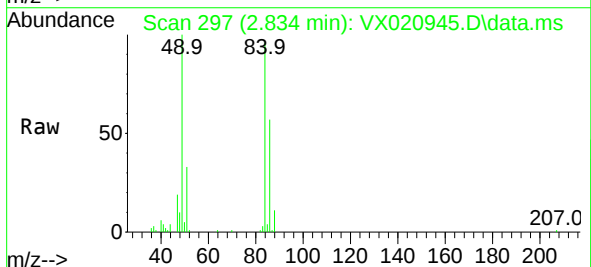
Instrument :
MSVOA_X
ClientSampleId :
PB134860ZHE#04

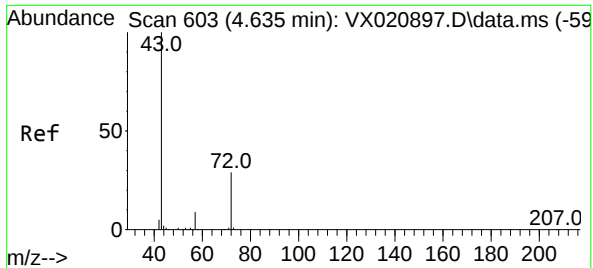
Tgt Ion: 43 Resp: 1051
Ion Ratio Lower Upper
43 100
74 28.8 21.9 32.9



#20
Methylene Chloride
Concen: 11.31 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

Tgt Ion: 84 Resp: 29008
Ion Ratio Lower Upper
84 100
49 104.1 88.6 132.8
51 34.4 27.0 40.6
86 59.4 50.3 75.5

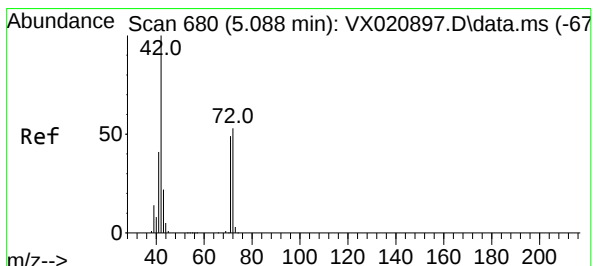
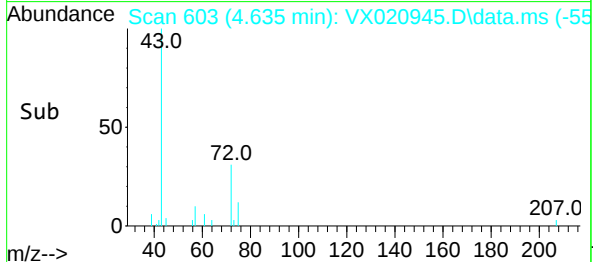
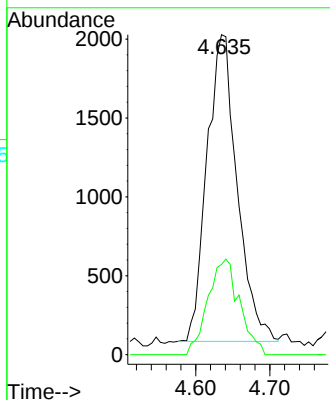
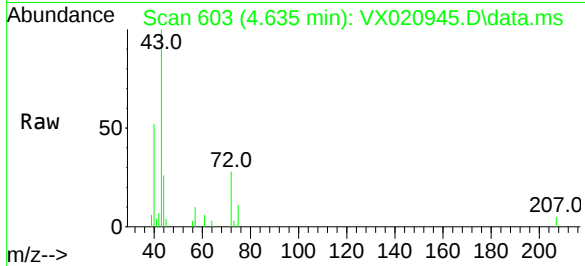




#25
2-Butanone
Concen: 3.39 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.000 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

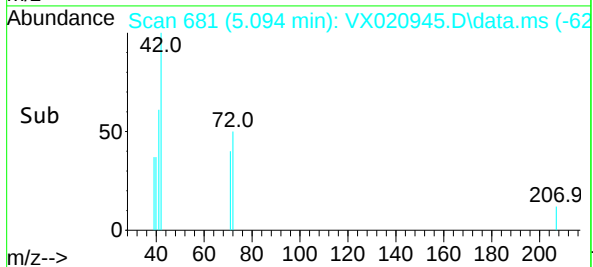
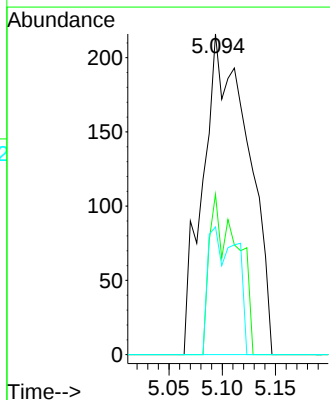
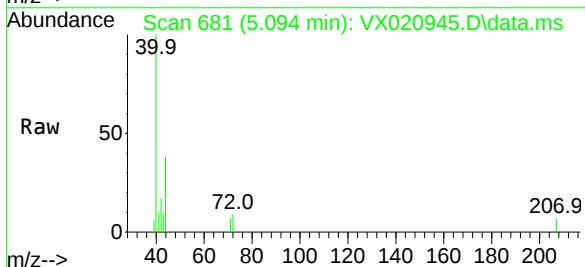
Instrument :
MSVOA_X
ClientSampleId :
PB134860ZHE#04

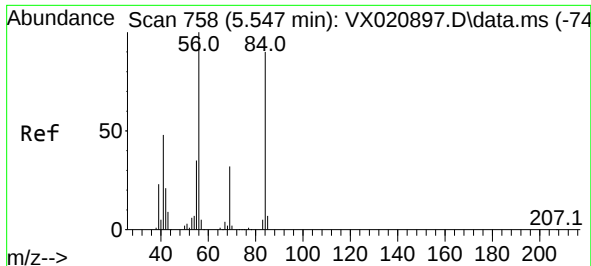
Tgt Ion: 43 Resp: 5502
Ion Ratio Lower Upper
43 100
72 29.4 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.61 ug/l
RT: 5.094 min Scan# 681
Delta R.T. 0.006 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

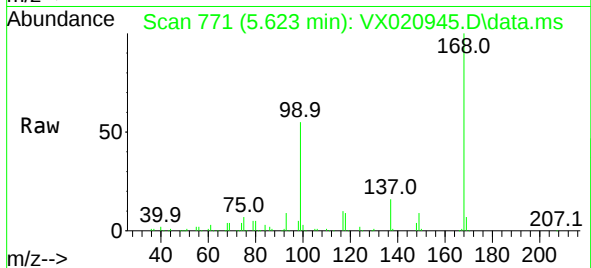
Tgt Ion: 42 Resp: 637
Ion Ratio Lower Upper
42 100
72 30.9 41.7 62.5#
71 12.6 38.4 57.6#



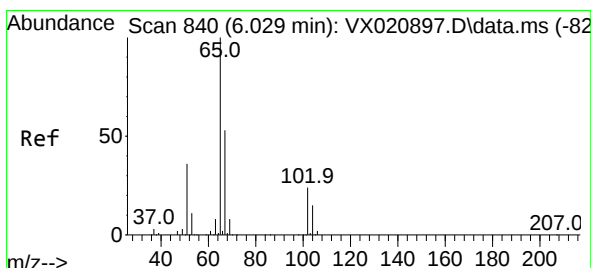
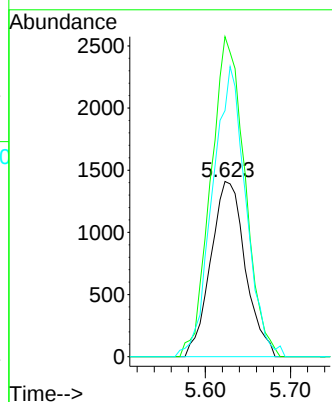
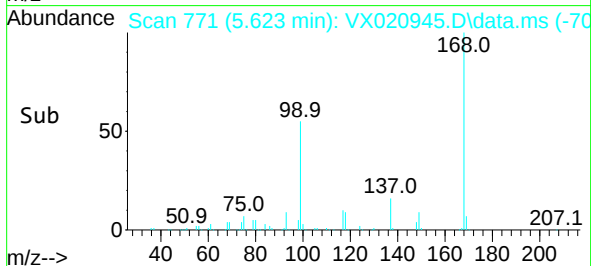


#31
Cyclohexane
Concen: 1.06 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

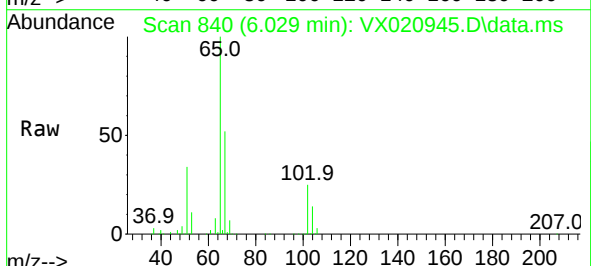
Instrument :
MSVOA_X
ClientSampleId :
PB134860ZHE#04



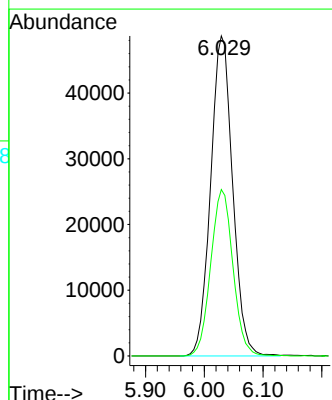
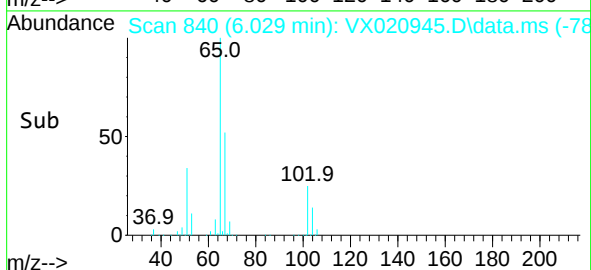
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Ion Ratio Lower Upper
56 100
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84 136.8 71.4 107.0#

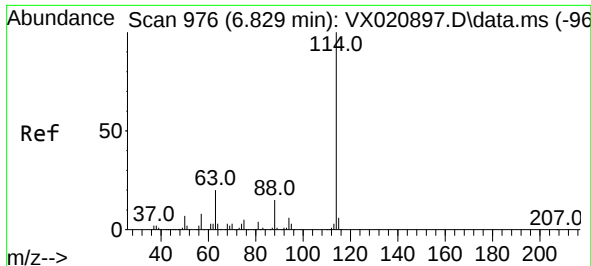


#33
1,2-Dichloroethane-d4
Concen: 48.82 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32



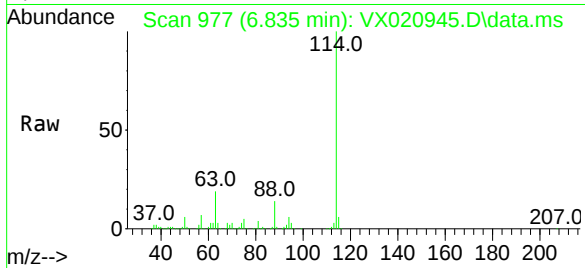
Tgt Ion: 65 Resp: 126671
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.4



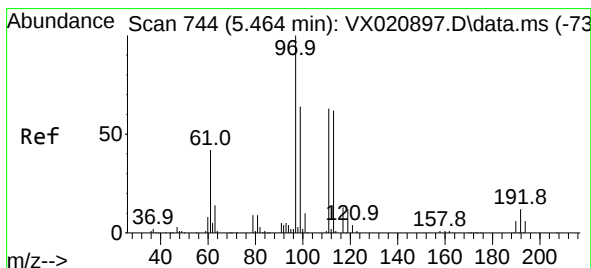
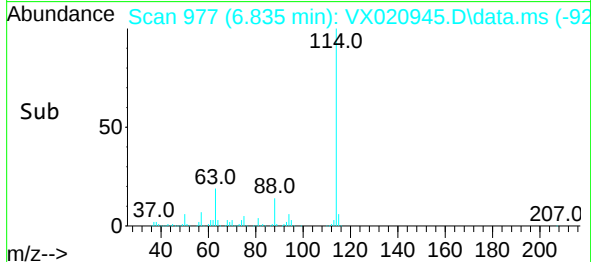
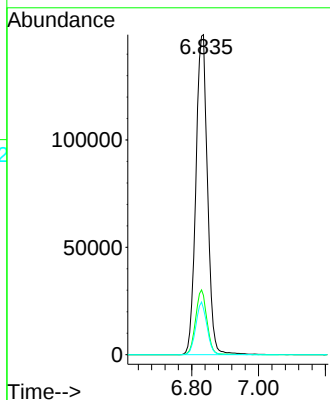


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.835 min Scan# 977
Delta R.T. 0.006 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

Instrument :
MSVOA_X
ClientSampleId :
PB134860ZHE#04

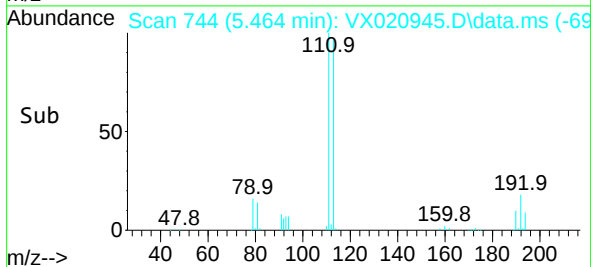
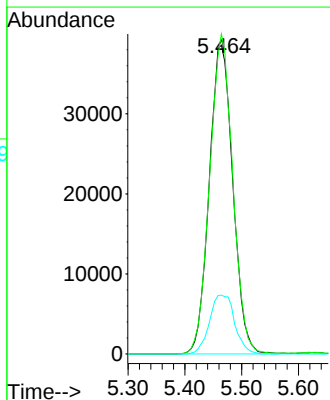
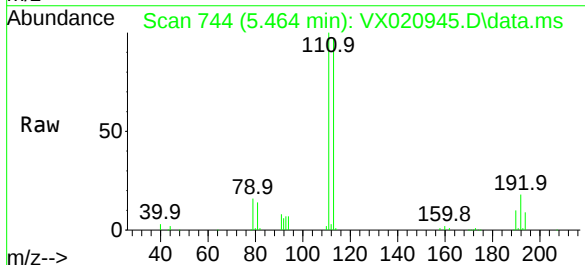


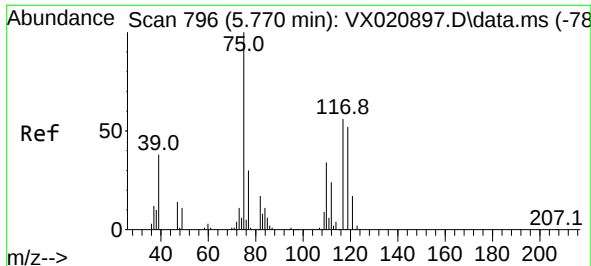
Tgt Ion:114 Resp: 360302
Ion Ratio Lower Upper
114 100
63 18.5 0.0 40.8
88 14.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.03 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

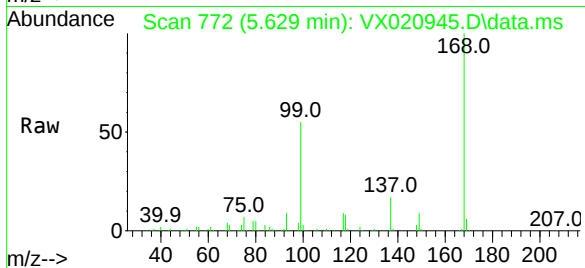
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Ion Ratio Lower Upper
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111 101.0 81.9 122.9
192 20.3 16.7 25.1



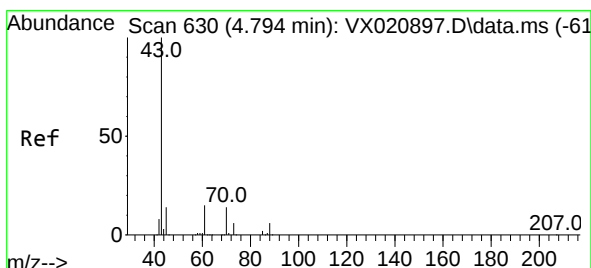
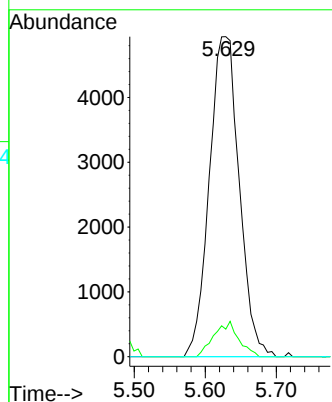
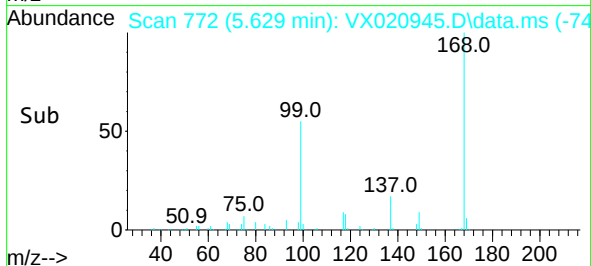


#36
1,1-Dichloropropene
Concen: 4.22 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

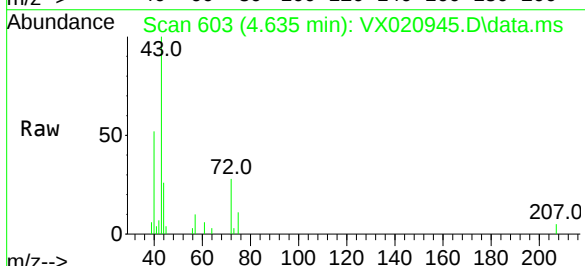
Instrument :
MSVOA_X
ClientSampleId :
PB134860ZHE#04



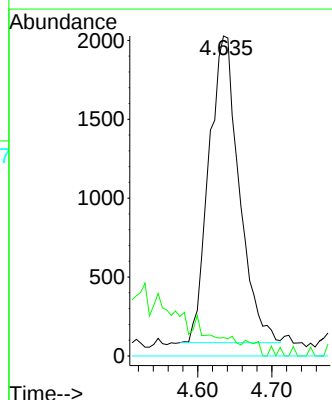
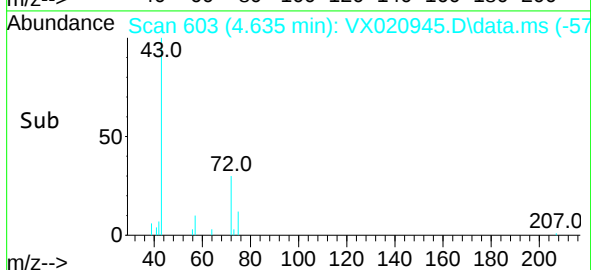
Tgt Ion: 75 Resp: 14439
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#

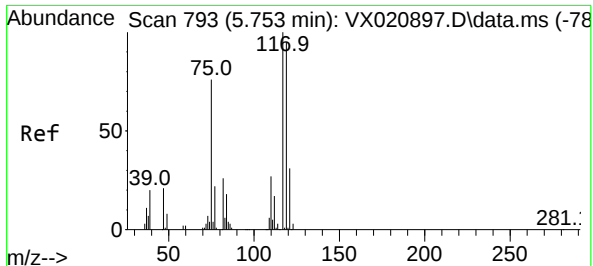


#37
Ethyl Acetate
Concen: 1.69 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.159 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32



Tgt Ion: 43 Resp: 5502
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#

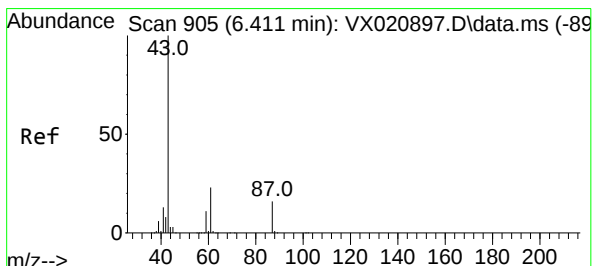
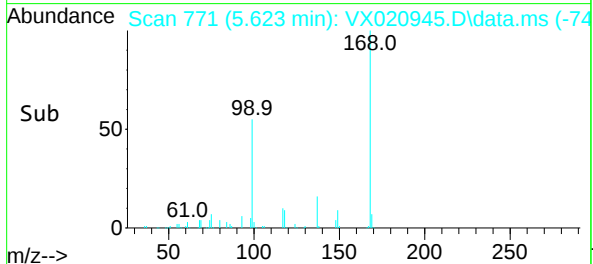
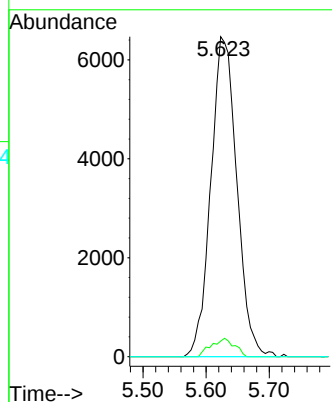
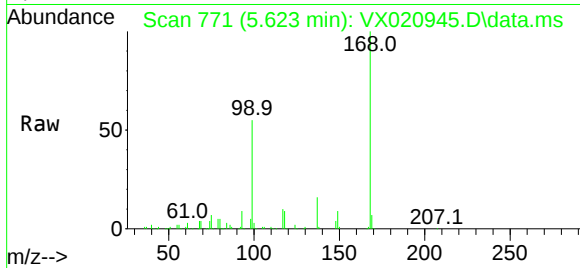




#38
Carbon Tetrachloride
Concen: 5.58 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.129 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

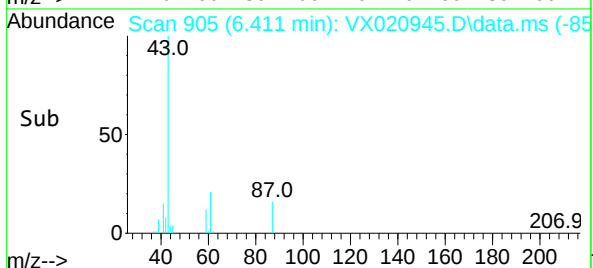
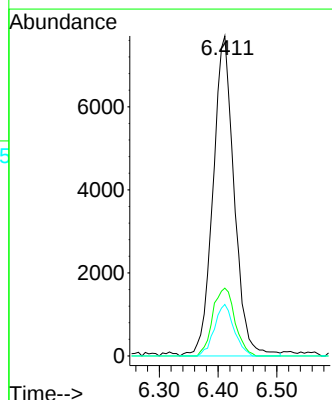
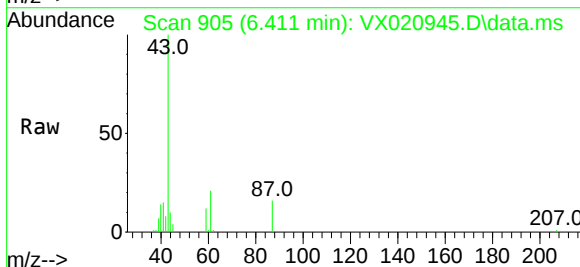
Instrument :
MSVOA_X
ClientSampleId :
PB134860ZHE#04

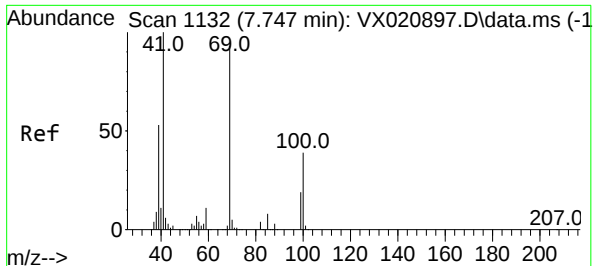
Tgt Ion:117 Resp: 18513
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.47 ug/l
RT: 6.411 min Scan# 905
Delta R.T. -0.000 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

Tgt Ion: 43 Resp: 19254
Ion Ratio Lower Upper
43 100
61 22.3 18.2 27.4
87 15.0 12.5 18.7





#48

Methyl methacrylate

Concen: 32.25 ug/l

RT: 7.847 min Scan# 1149

Delta R.T. 0.100 min

Lab File: VX020945.D

Acq: 01 Mar 2021 19:32

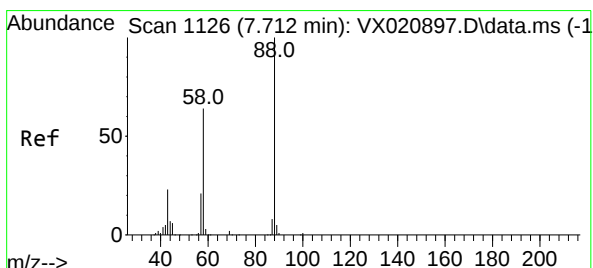
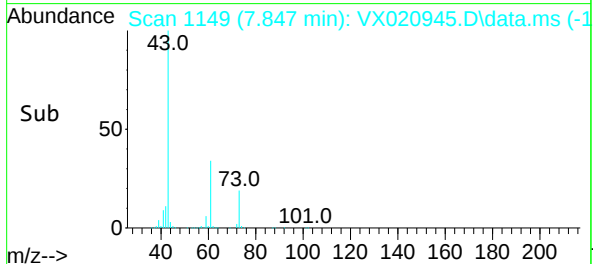
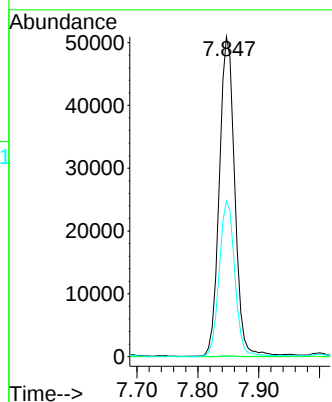
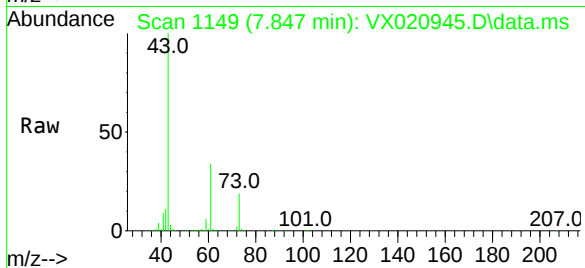
Instrument :

MSVOA_X

ClientSampleId :

PB134860ZHE#04

Tgt Ion: 41	Resp: 89663
Ion Ratio	Lower Upper
41	100
69	0.2 76.0 114.0#
39	49.5 44.6 67.0



#49

1,4-Dioxane

Concen: 1.80 ug/l

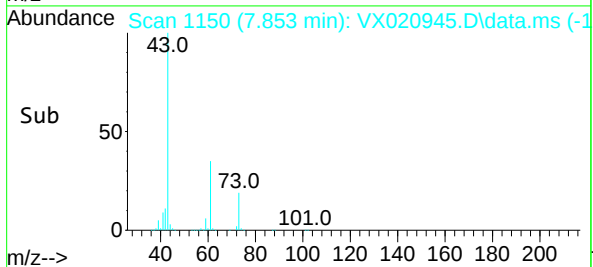
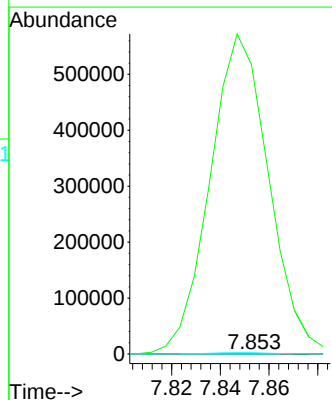
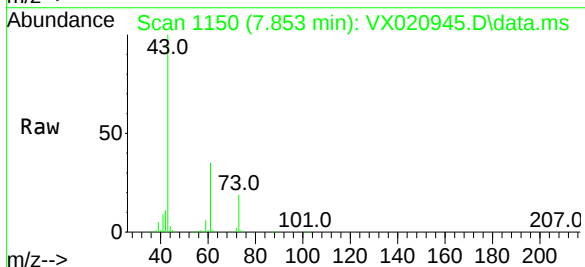
RT: 7.853 min Scan# 1150

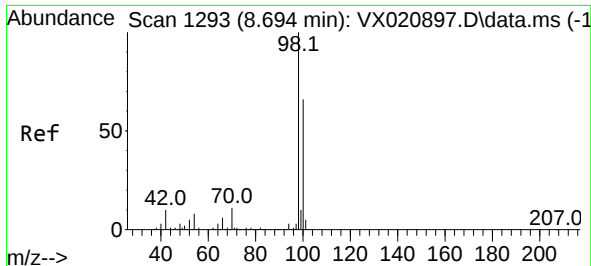
Delta R.T. 0.141 min

Lab File: VX020945.D

Acq: 01 Mar 2021 19:32

Tgt Ion: 88	Resp: 117
Ion Ratio	Lower Upper
88	100
43	832814.5 23.2 34.8#
58	3646.2 55.0 82.4#

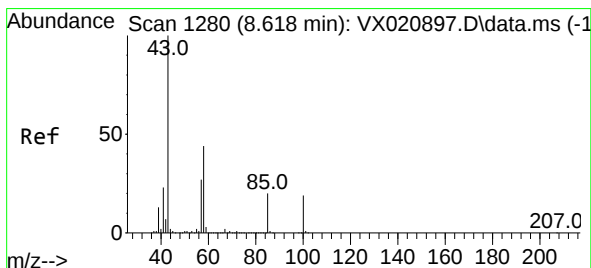
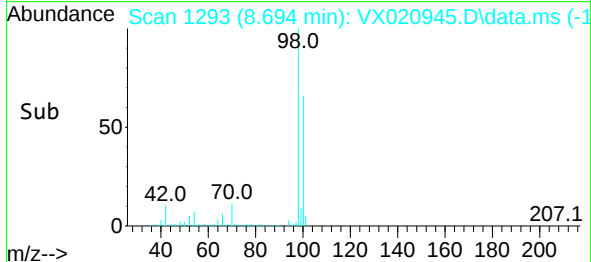
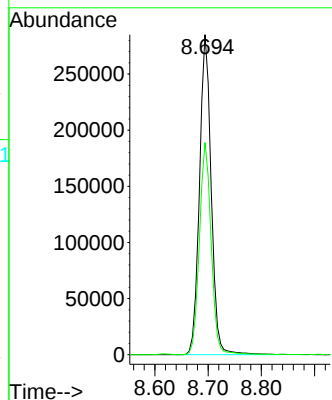
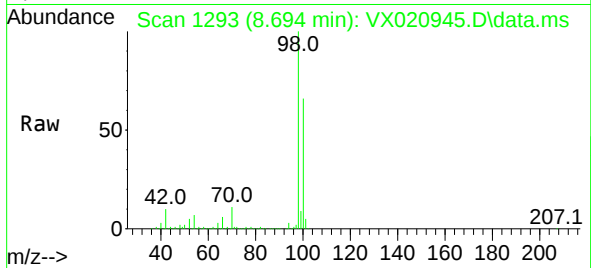




#50
Toluene-d8
Concen: 50.86 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

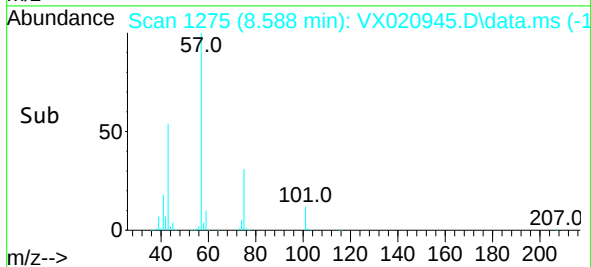
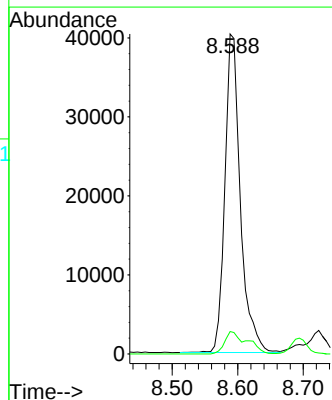
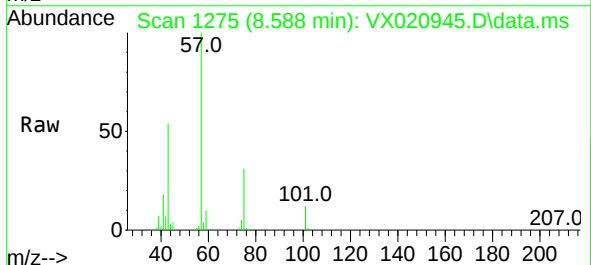
Instrument :
MSVOA_X
ClientSampleId :
PB134860ZHE#04

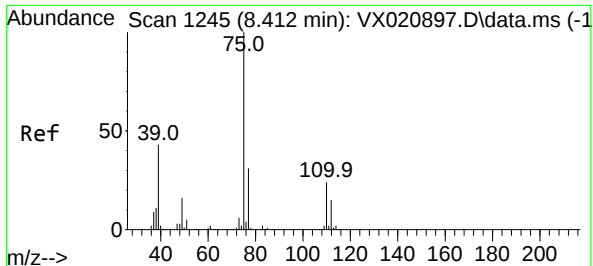
Tgt Ion: 98 Resp: 434088
Ion Ratio Lower Upper
98 100
100 66.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.45 ug/l
RT: 8.588 min Scan# 1275
Delta R.T. -0.029 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

Tgt Ion: 43 Resp: 66003
Ion Ratio Lower Upper
43 100
58 10.3 35.4 53.0#

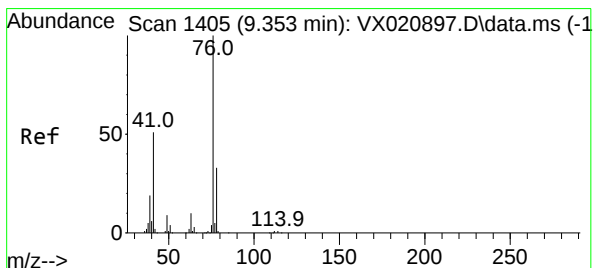
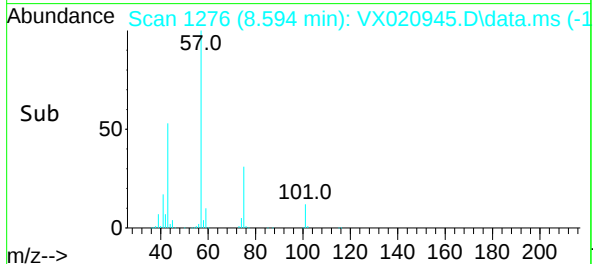
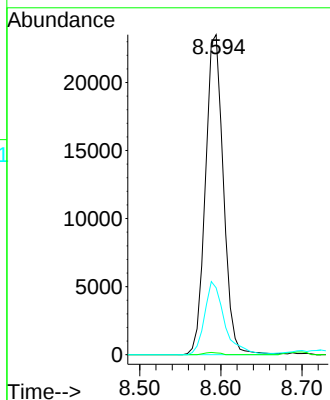
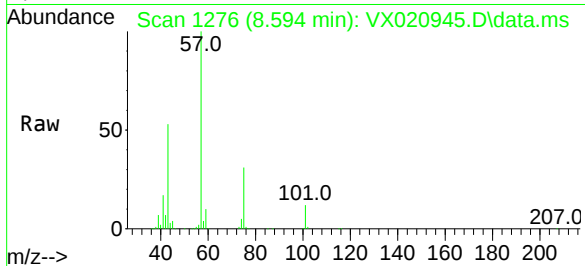




#54
 cis-1,3-Dichloropropene
 Concen: 8.13 ug/l
 RT: 8.594 min Scan# 1276
 Delta R.T. 0.182 min
 Lab File: VX020945.D
 Acq: 01 Mar 2021 19:32

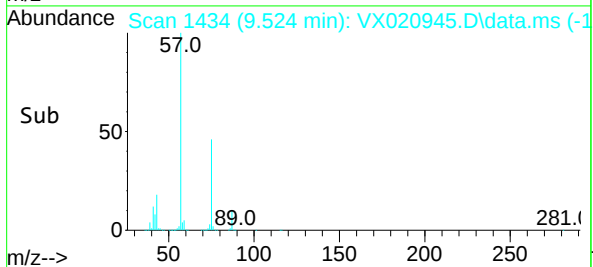
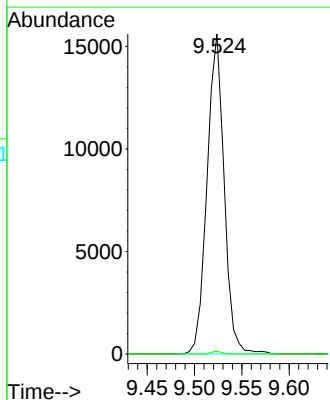
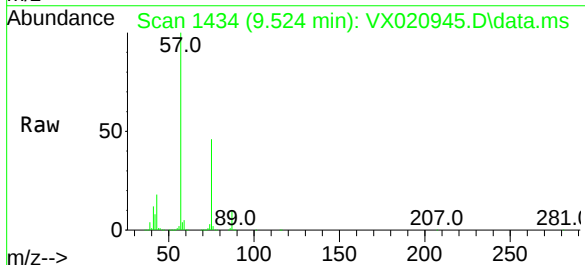
Instrument :
 MSVOA_X
 ClientSampleId :
 PB134860ZHE#04

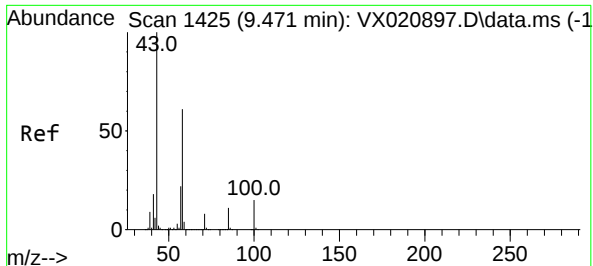
Tgt Ion: 75 Resp: 36053
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 20.9 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 4.52 ug/l
 RT: 9.524 min Scan# 1434
 Delta R.T. 0.171 min
 Lab File: VX020945.D
 Acq: 01 Mar 2021 19:32

Tgt Ion: 76 Resp: 19593
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

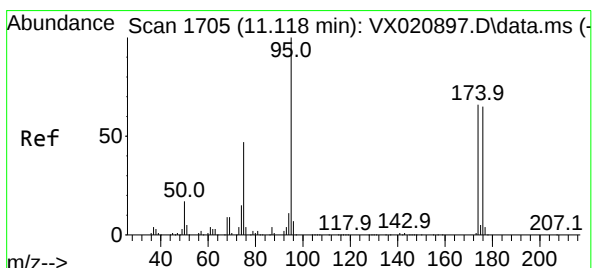
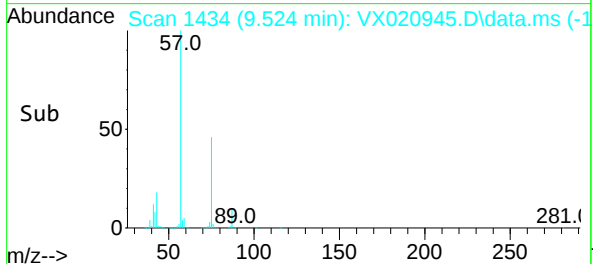
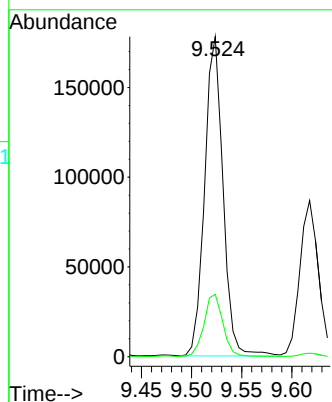
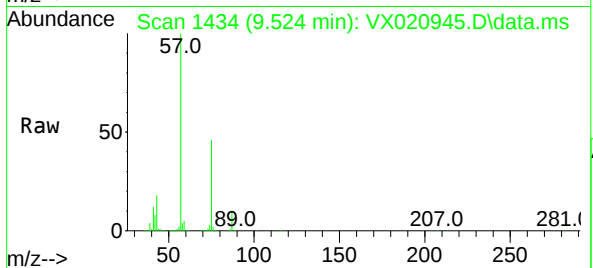




#59
2-Hexanone
Concen: 93.91 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.053 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

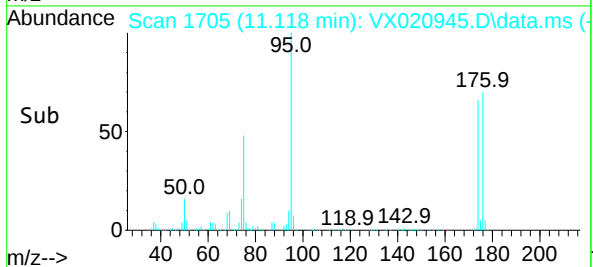
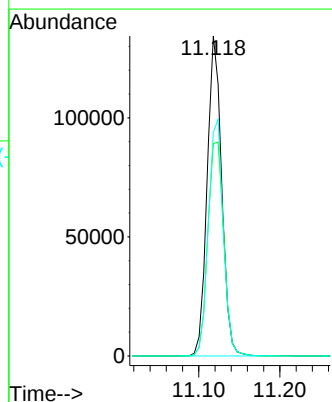
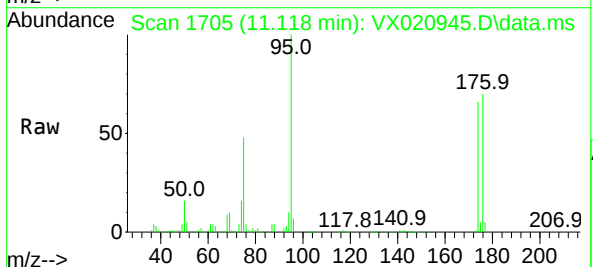
Instrument :
MSVOA_X
ClientSampleId :
PB134860ZHE#04

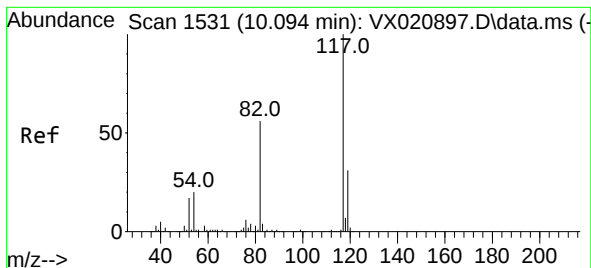
Tgt Ion: 43 Resp: 227352
Ion Ratio Lower Upper
43 100
58 20.1 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 52.75 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

Tgt Ion: 95 Resp: 166474
Ion Ratio Lower Upper
95 100
174 74.0 0.0 154.6
176 75.6 0.0 155.8

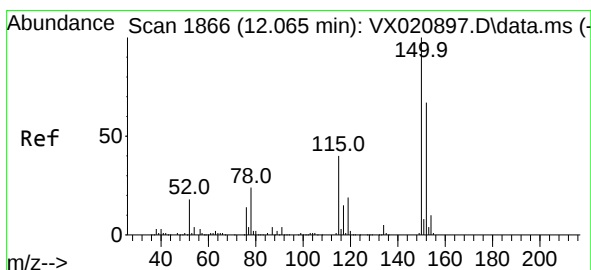
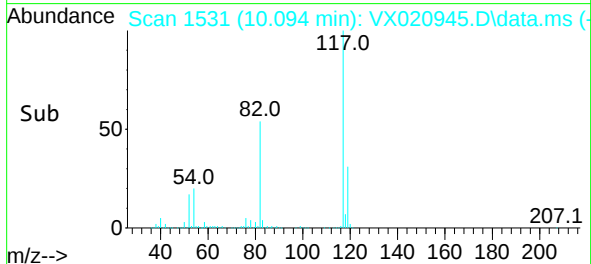
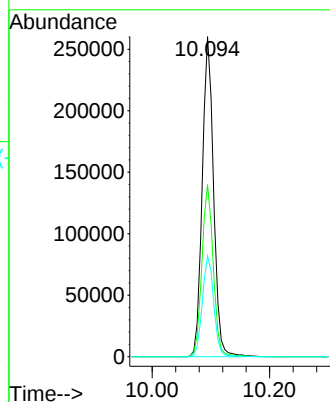
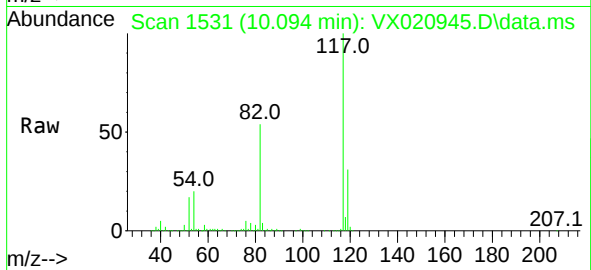




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

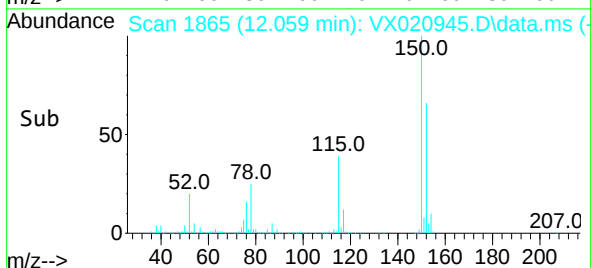
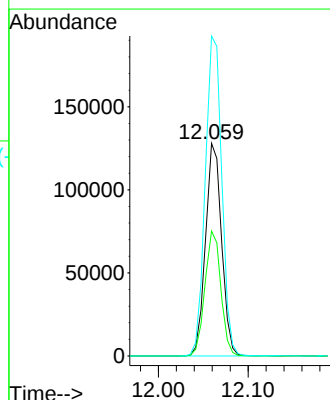
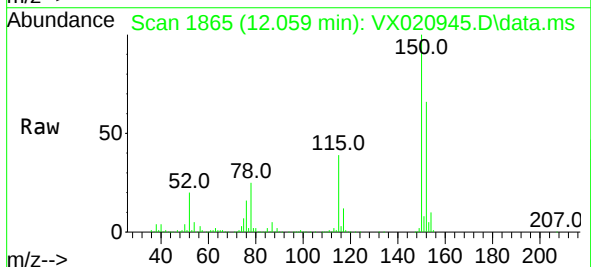
Instrument :
MSVOA_X
ClientSampleId :
PB134860ZHE#04

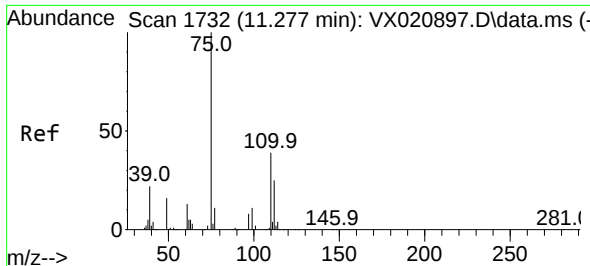
Tgt Ion:117 Resp: 348055
Ion Ratio Lower Upper
117 100
82 53.8 47.4 71.2
119 31.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

Tgt Ion:152 Resp: 159229
Ion Ratio Lower Upper
152 100
115 58.2 41.1 123.3
150 154.7 0.0 349.0

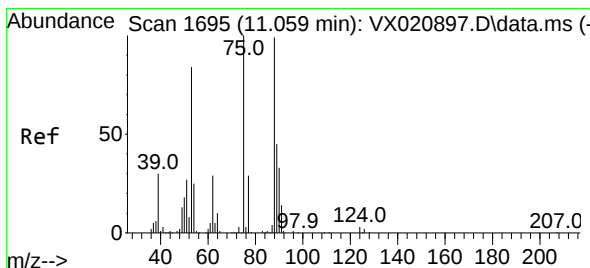
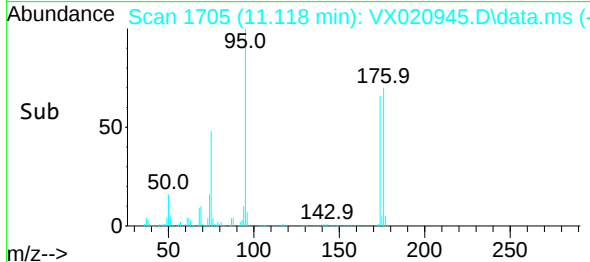
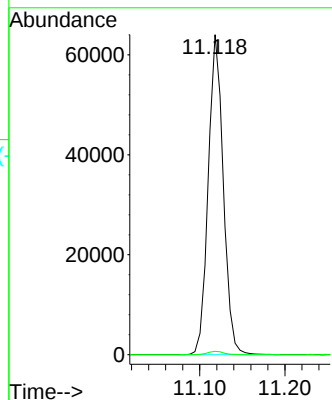
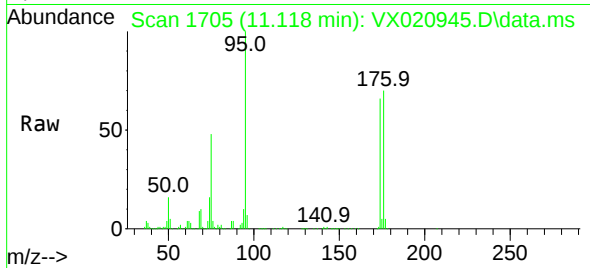




#76
1,2,3-Trichloropropane
Concen: 22.91 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

Instrument :
MSVOA_X
ClientSampleId :
PB134860ZHE#04

Tgt Ion: 75 Resp: 78461
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.71 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX020945.D
Acq: 01 Mar 2021 19:32

Tgt Ion: 75 Resp: 78461
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

