

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030221\
 Data File : VX020941.D
 Acq On : 01 Mar 2021 17:59
 Operator : JC/MD
 Sample : PB134860TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB134860TB

Quant Time: Mar 02 00:30:40 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	198826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	360657	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	337864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	143918	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	126157	46.97	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.94%		
35) Dibromofluoromethane	5.464	113	110428	50.39	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.78%		
50) Toluene-d8	8.694	98	438493	51.32	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.64%		
62) 4-Bromofluorobenzene	11.118	95	166784	52.79	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.58%		
Target Compounds					Qvalue	
5) Bromomethane	1.640	94	449	Below Cal	#	43
10) Methyl Iodide	2.499	142	755	0.26	ug/l #	85
11) Tert butyl alcohol	2.999	59	1744	2.92	ug/l #	84
13) Acrolein	2.264	56	193	0.52	ug/l #	18
15) Acrylonitrile	3.117	53	267	0.21	ug/l #	65
16) Acetone	2.417	43	37318	33.72	ug/l	99
17) Carbon Disulfide	2.552	76	1459	0.23	ug/l #	94
18) Methyl Acetate	2.740	43	960	0.37	ug/l	96
20) Methylene Chloride	2.835	84	28624	10.78	ug/l	95
25) 2-Butanone	4.635	43	5818	3.46	ug/l	96
29) Tetrahydrofuran	5.094	42	642	0.59	ug/l #	74
31) Cyclohexane	5.623	56	3953	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	14901	4.35	ug/l #	48
37) Ethyl Acetate	4.635	43	5928	1.82	ug/l #	66
38) Carbon Tetrachloride	5.629	117	18725	5.64	ug/l #	15
43) Isopropyl Acetate	6.406	43	18935	3.41	ug/l	100
48) Methyl methacrylate	7.847	41	88502	31.80	ug/l #	36
49) 1,4-Dioxane	7.841	88	159	2.45	ug/l #	1
51) 4-Methyl-2-Pentanone	8.594	43	65163	20.17	ug/l #	48
54) cis-1,3-Dichloropropene	8.594	75	35456	7.99	ug/l #	55
57) 1,3-Dichloropropane	9.524	76	18791	4.33	ug/l #	43
59) 2-Hexanone	9.524	43	223240	92.12	ug/l #	46
74) N-amyl acetate	10.806	43	1009	0.22	ug/l #	41
76) 1,2,3-Trichloropropane	11.118	75	77408	25.00	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	77408	55.35	ug/l #	12
94) Hexachlorobutadiene	13.765	225	283	0.24	ug/l	97

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

Quant Time: Mar 02 00:30:40 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

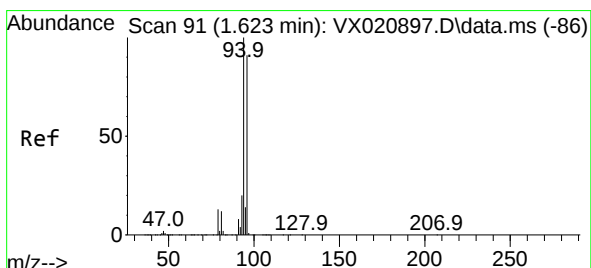
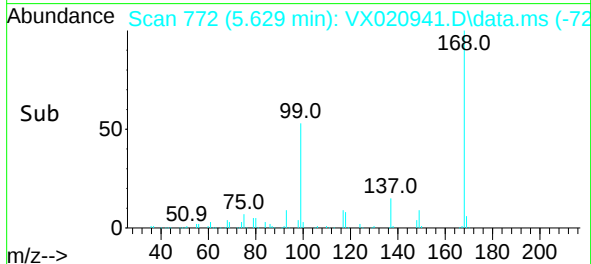
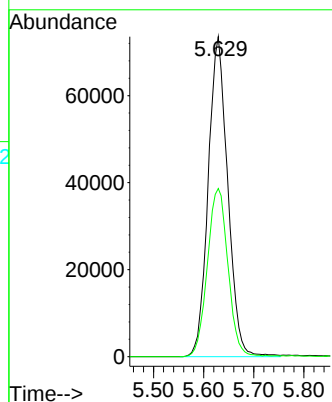
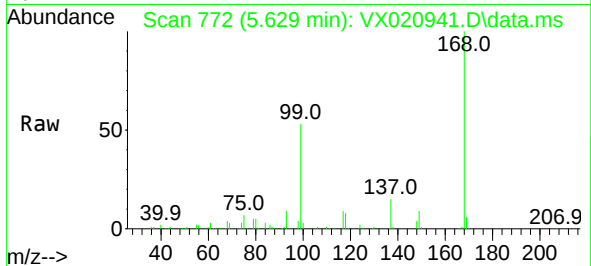




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

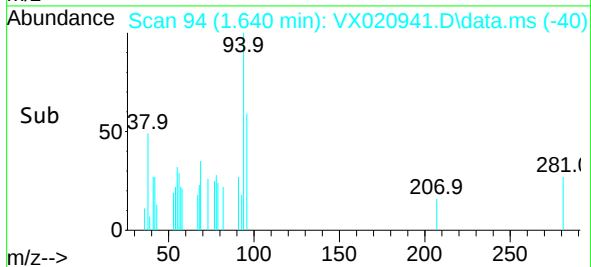
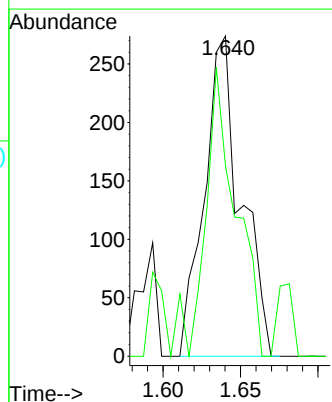
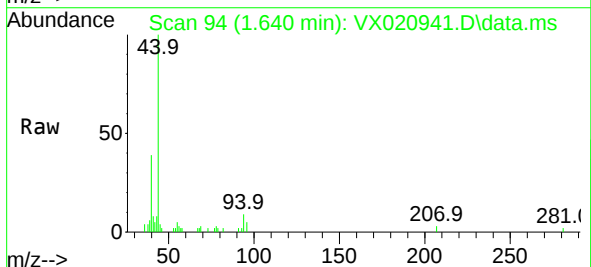
Instrument :
MSVOA_X
ClientSampleId :
PB134860TB

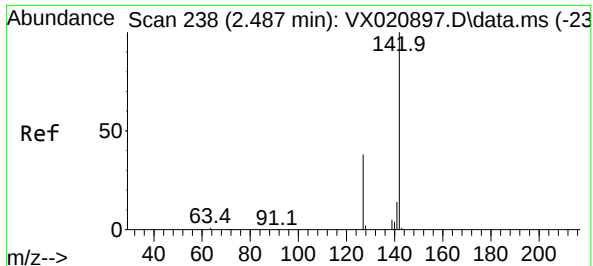
Tgt Ion:168 Resp: 198826
Ion Ratio Lower Upper
168 100
99 52.5 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

Tgt Ion: 94 Resp: 449
Ion Ratio Lower Upper
94 100
96 40.1 76.4 114.6#





#10

Methyl Iodide

Concen: 0.26 ug/l

RT: 2.499 min Scan# 240

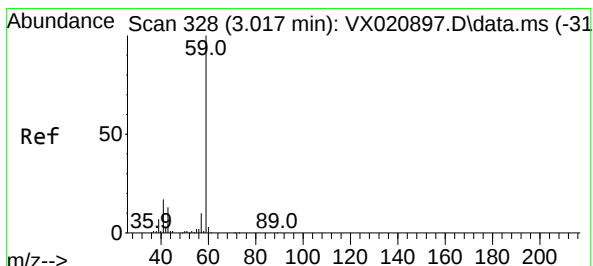
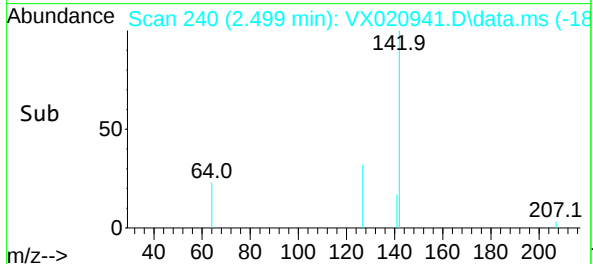
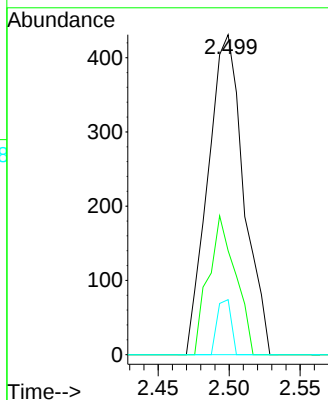
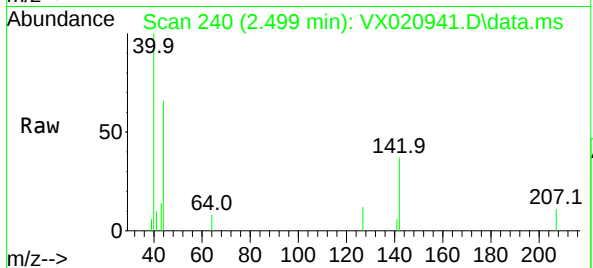
Delta R.T. 0.012 min

Lab File: VX020941.D

Acq: 01 Mar 2021 17:59

Tgt Ion:	142	Resp:	755
Ion	Ratio	Lower	Upper
142	100		
127	32.8	33.3	49.9#
141	6.6	11.4	17.0#

Instrument :
MSVOA_X
ClientSampleId :
PB134860TB



#11

Tert butyl alcohol

Concen: 2.92 ug/l

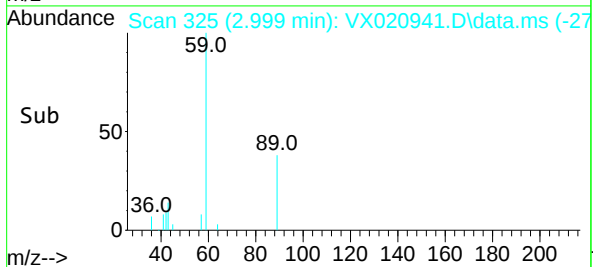
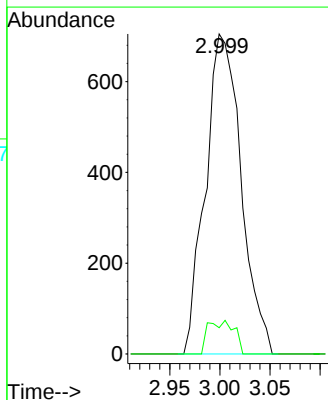
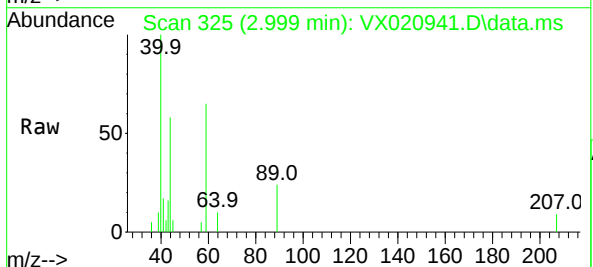
RT: 2.999 min Scan# 325

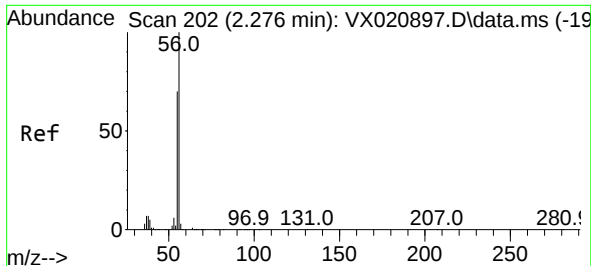
Delta R.T. -0.018 min

Lab File: VX020941.D

Acq: 01 Mar 2021 17:59

Tgt Ion:	59	Resp:	1744
Ion	Ratio	Lower	Upper
59	100		
57	3.9	7.8	11.8#

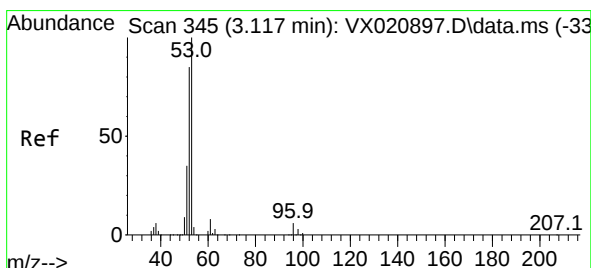
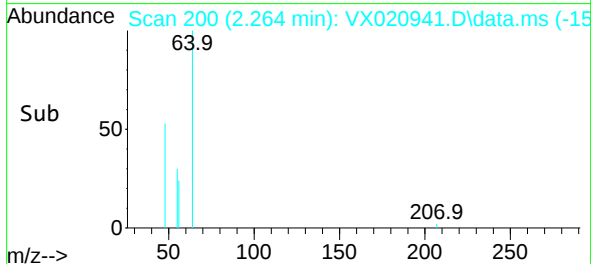
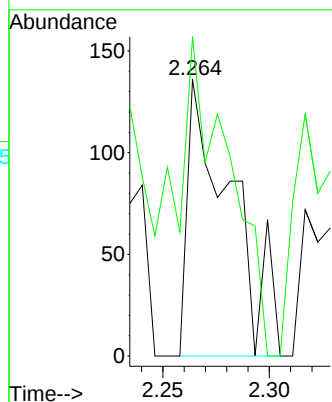
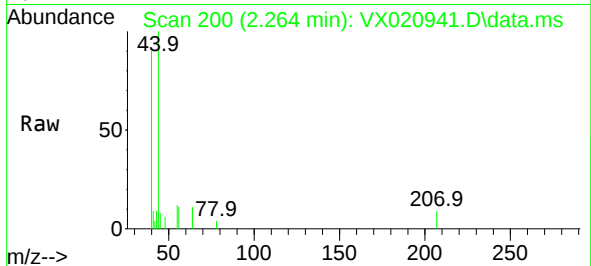




#13
Acrolein
Concen: 0.52 ug/l
RT: 2.264 min Scan# 200
Delta R.T. -0.012 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

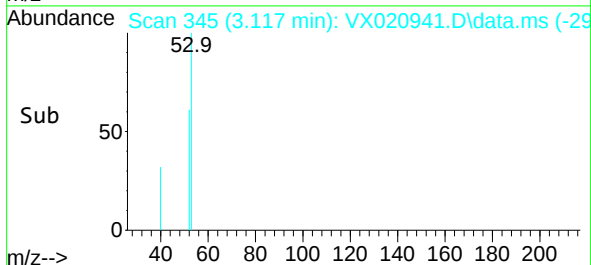
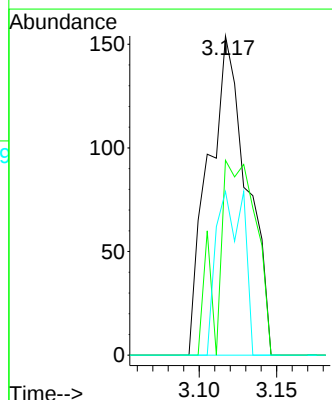
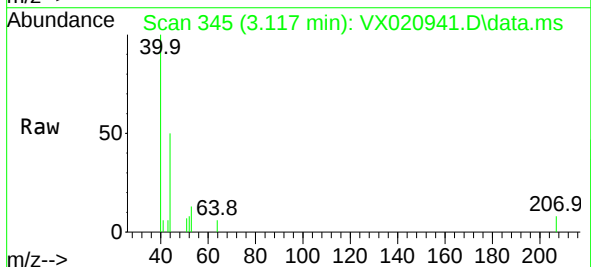
Instrument :
MSVOA_X
ClientSampleId :
PB134860TB

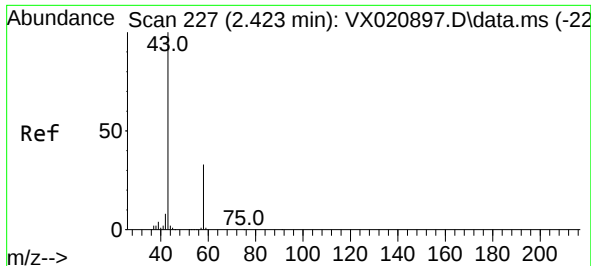
Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 137.8 56.4 84.6#



#15
Acrylonitrile
Concen: 0.21 ug/l
RT: 3.117 min Scan# 345
Delta R.T. 0.000 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

Tgt Ion: 53 Resp: 267
Ion Ratio Lower Upper
53 100
52 60.3 65.3 97.9#
51 0.0 28.2 42.2#

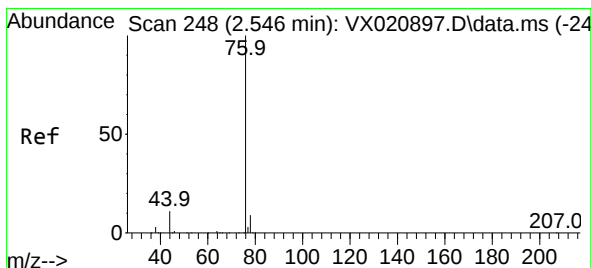
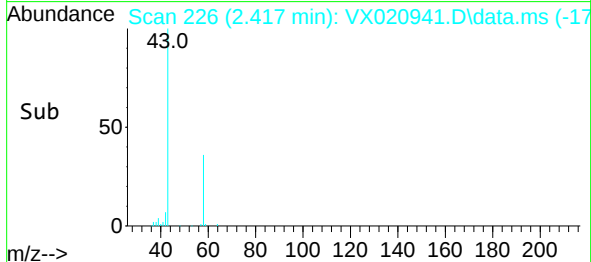
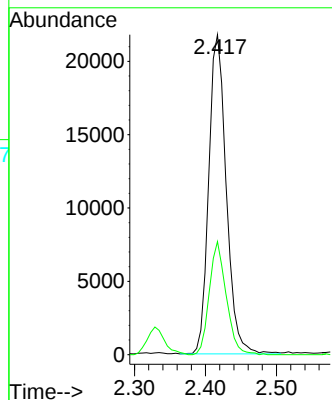
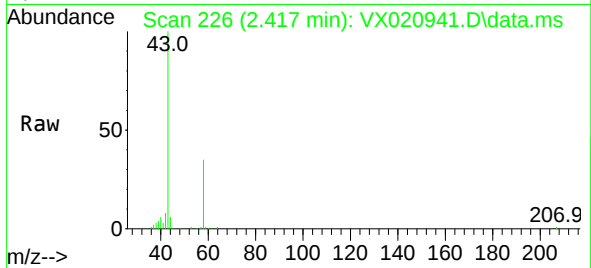




#16
Acetone
Concen: 33.72 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

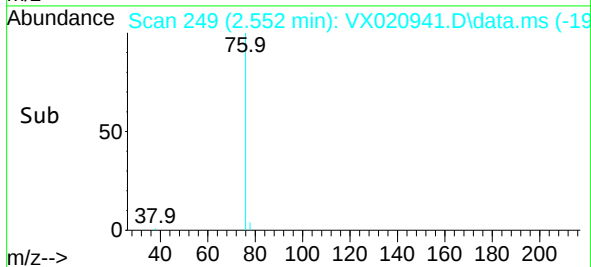
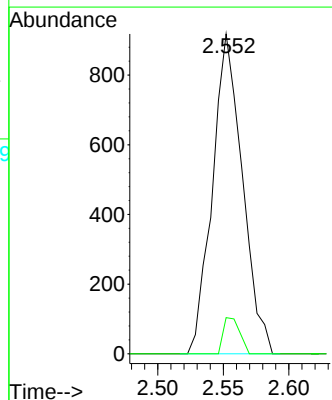
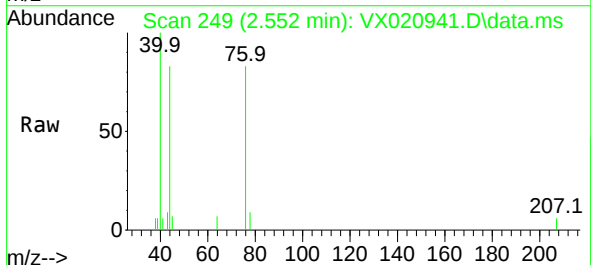
Instrument :
MSVOA_X
ClientSampleId :
PB134860TB

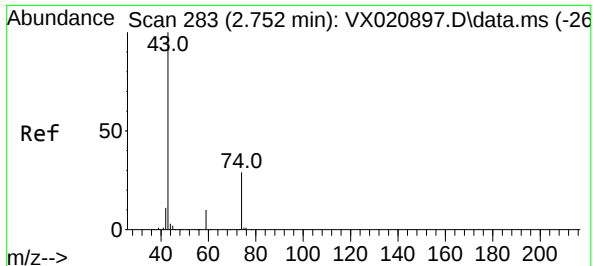
Tgt Ion: 43 Resp: 37318
Ion Ratio Lower Upper
43 100
58 35.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.23 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.006 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

Tgt Ion: 76 Resp: 1459
Ion Ratio Lower Upper
76 100
78 11.3 7.2 10.8#





#18

Methyl Acetate

Concen: 0.37 ug/l

RT: 2.740 min Scan# 281

Delta R.T. -0.012 min

Lab File: VX020941.D

Acq: 01 Mar 2021 17:59

Instrument :

MSVOA_X

ClientSampleId :

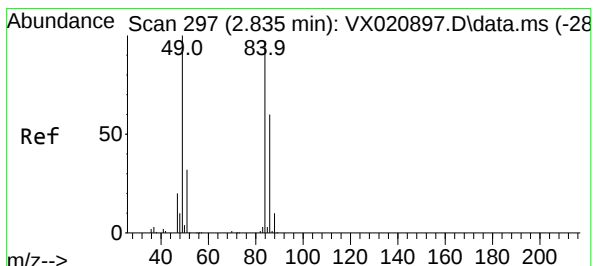
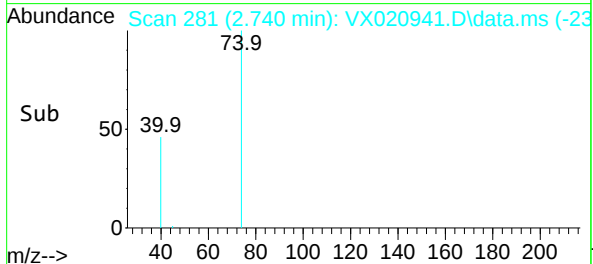
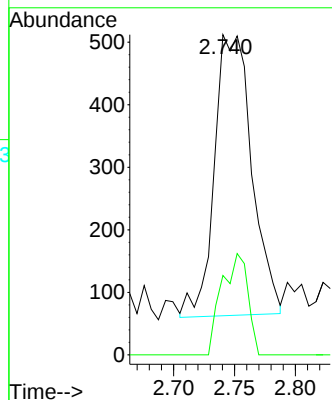
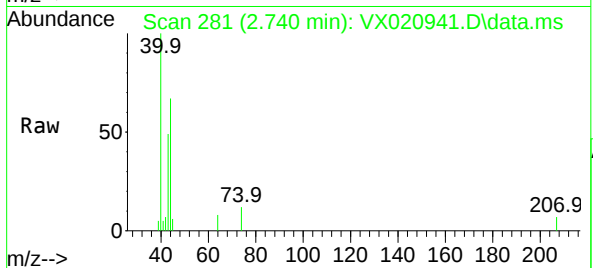
PB134860TB

Tgt Ion: 43 Resp: 960

Ion Ratio Lower Upper

43 100

74 25.2 21.9 32.9



#20

Methylene Chloride

Concen: 10.78 ug/l

RT: 2.835 min Scan# 297

Delta R.T. 0.000 min

Lab File: VX020941.D

Acq: 01 Mar 2021 17:59

Tgt Ion: 84 Resp: 28624

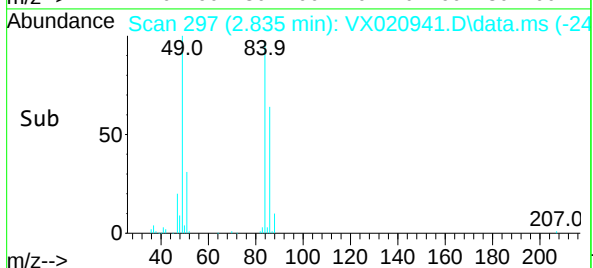
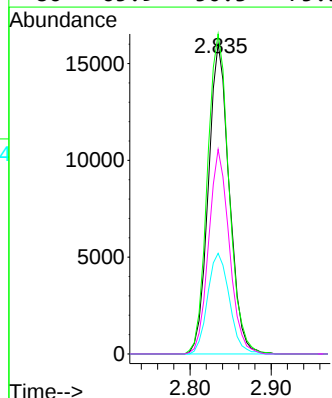
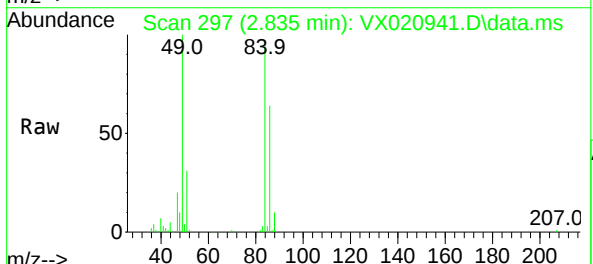
Ion Ratio Lower Upper

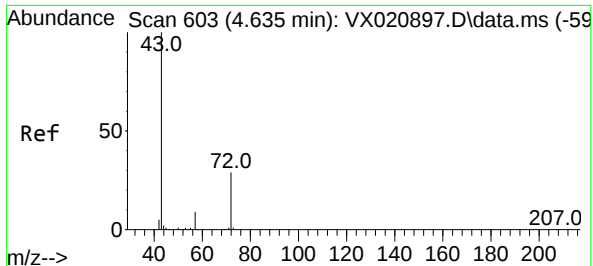
84 100

49 103.1 88.6 132.8

51 32.4 27.0 40.6

86 65.9 50.3 75.5





#25

2-Butanone

Concen: 3.46 ug/l

RT: 4.635 min Scan# 603

Delta R.T. 0.000 min

Lab File: VX020941.D

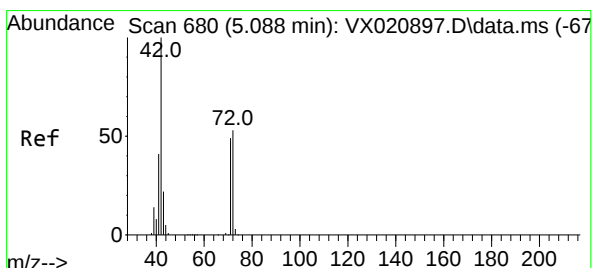
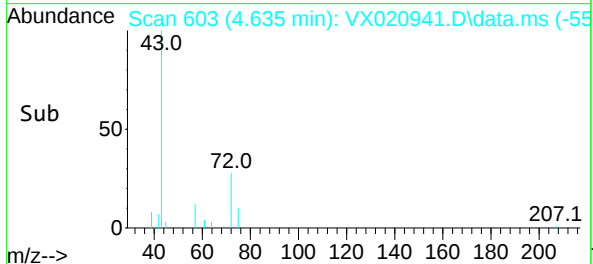
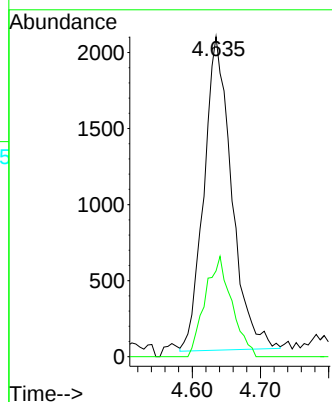
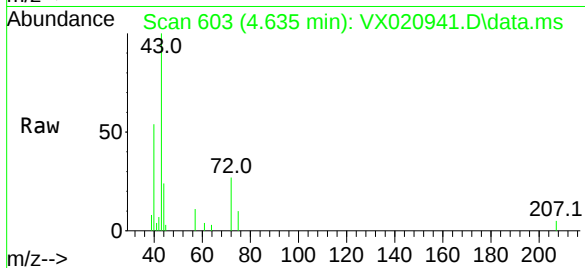
Acq: 01 Mar 2021 17:59

Tgt Ion: 43 Resp: 5818

Ion Ratio Lower Upper

43 100

72 27.5 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.59 ug/l

RT: 5.094 min Scan# 681

Delta R.T. 0.006 min

Lab File: VX020941.D

Acq: 01 Mar 2021 17:59

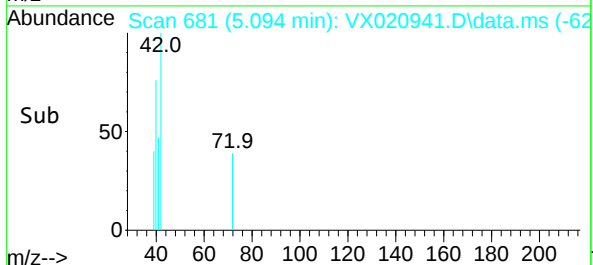
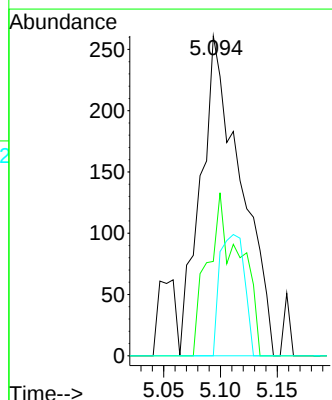
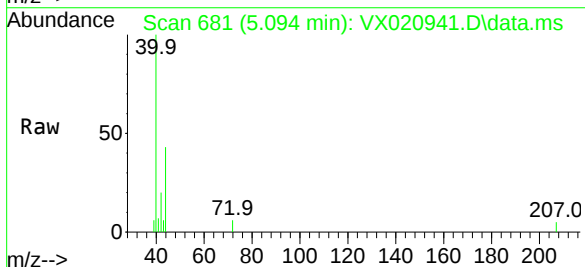
Tgt Ion: 42 Resp: 642

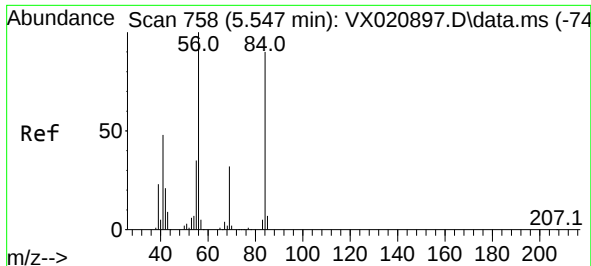
Ion Ratio Lower Upper

42 100

72 40.8 41.7 62.5#

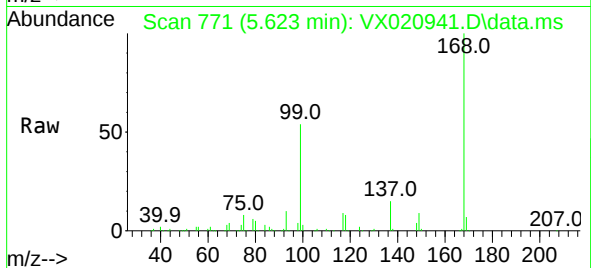
71 23.4 38.4 57.6#



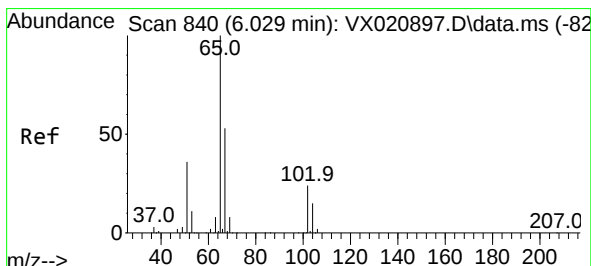
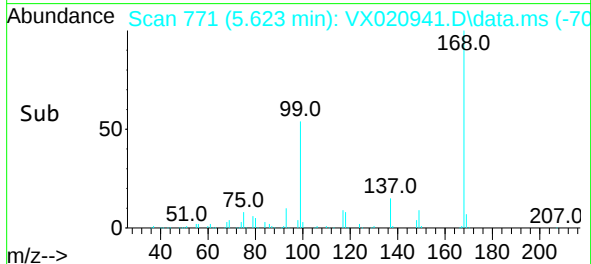
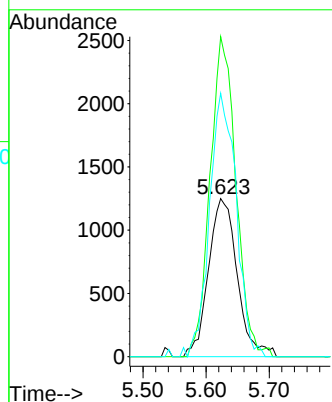


#31
Cyclohexane
Concen: 1.02 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.077 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

Instrument :
MSVOA_X
ClientSampleId :
PB134860TB

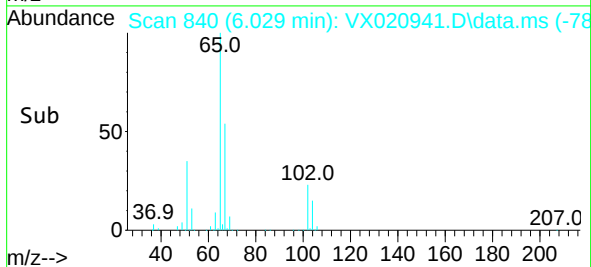
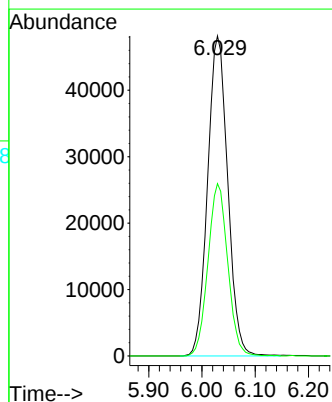
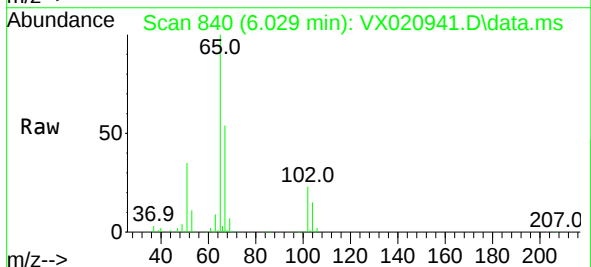


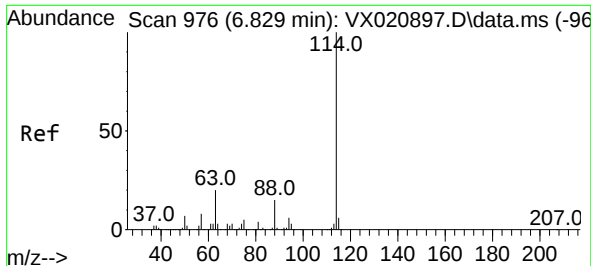
Tgt Ion: 56 Resp: 3953
Ion Ratio Lower Upper
56 100
69 202.4 25.3 37.9#
84 166.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 46.97 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

Tgt Ion: 65 Resp: 126157
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.4

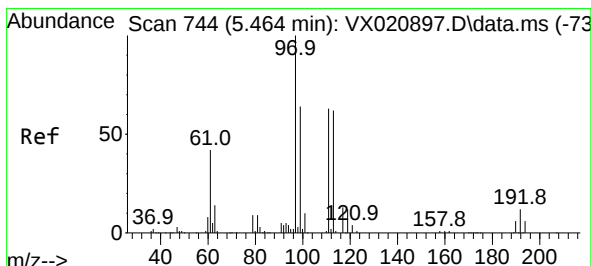
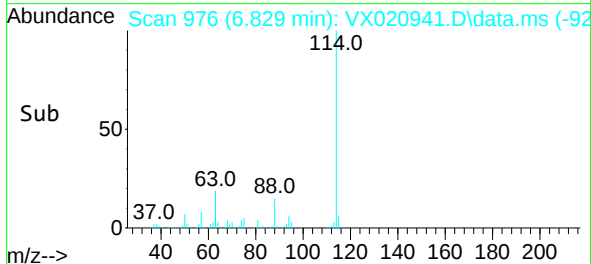
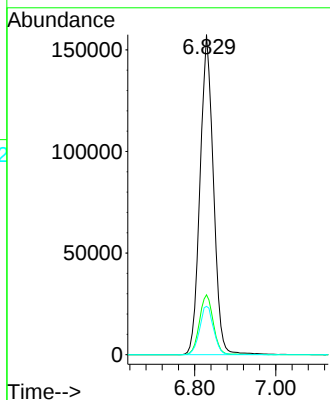
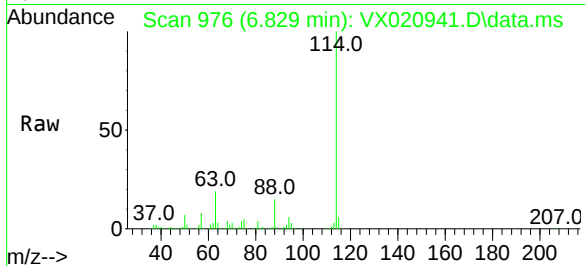




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

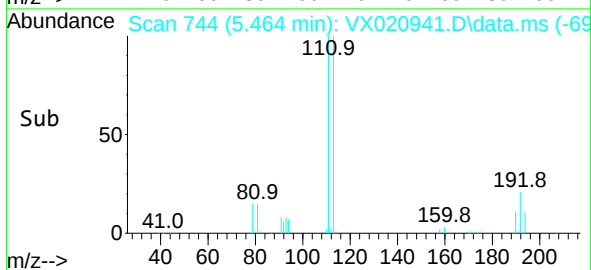
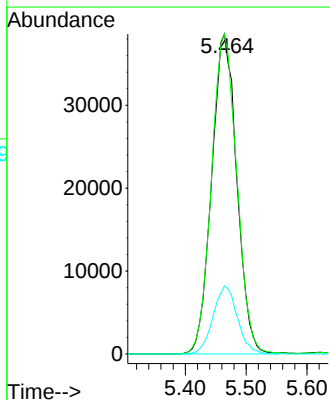
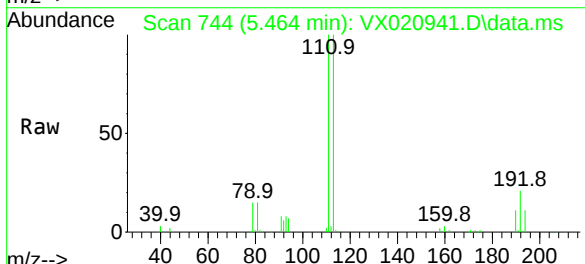
Instrument :
MSVOA_X
ClientSampleId :
PB134860TB

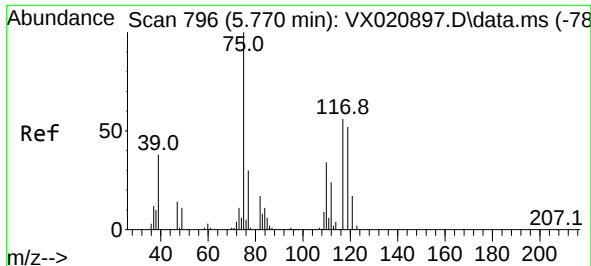
Tgt Ion:114 Resp: 360657
Ion Ratio Lower Upper
114 100
63 18.7 0.0 40.8
88 15.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.39 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

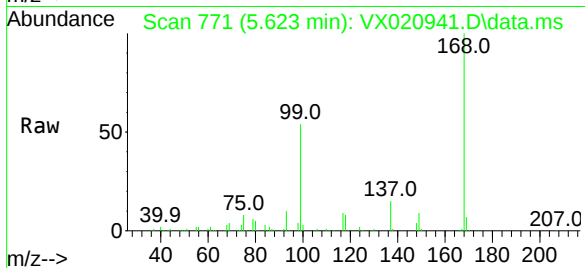
Tgt Ion:113 Resp: 110428
Ion Ratio Lower Upper
113 100
111 101.1 81.9 122.9
192 20.5 16.7 25.1



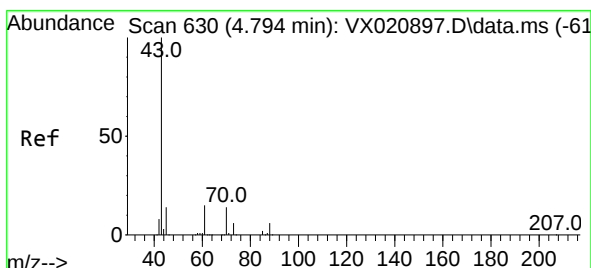
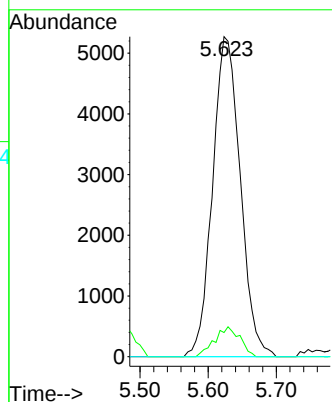
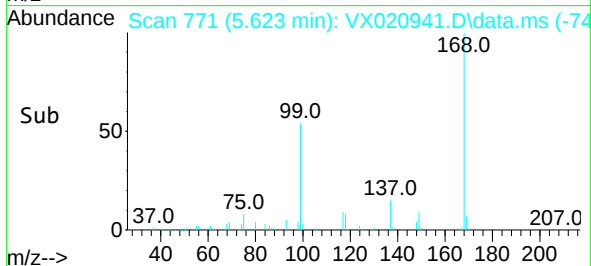


#36
1,1-Dichloropropene
Concen: 4.35 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

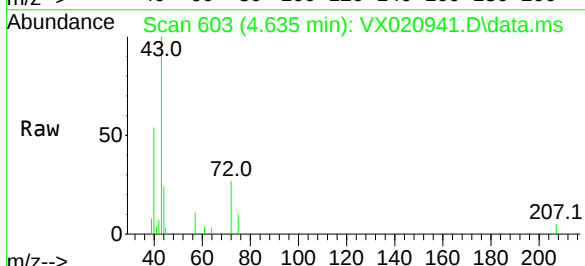
Instrument :
MSVOA_X
ClientSampleId :
PB134860TB



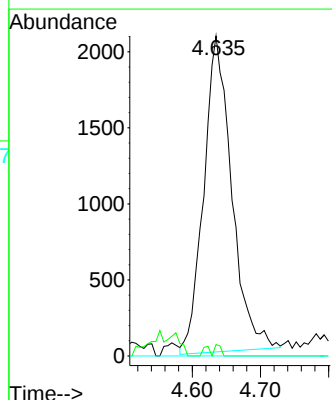
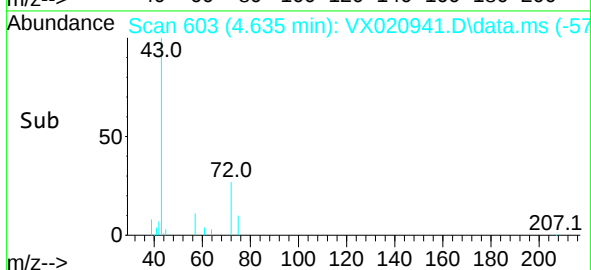
Tgt Ion: 75 Resp: 14901
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#

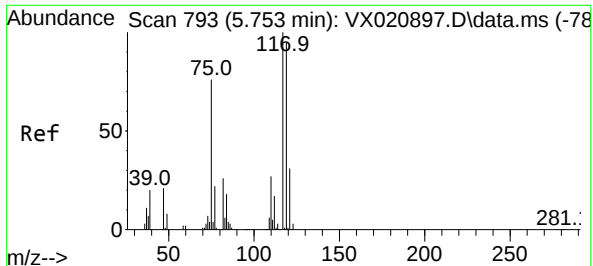


#37
Ethyl Acetate
Concen: 1.82 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.159 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59



Tgt Ion: 43 Resp: 5928
Ion Ratio Lower Upper
43 100
61 0.8 12.8 19.2#
70 0.0 10.5 15.7#

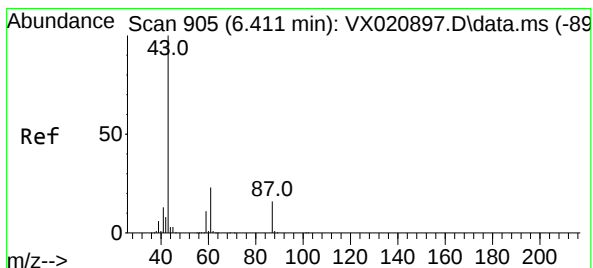
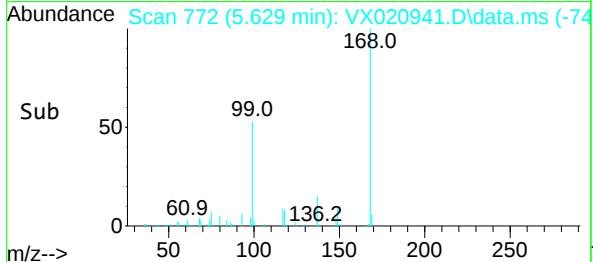
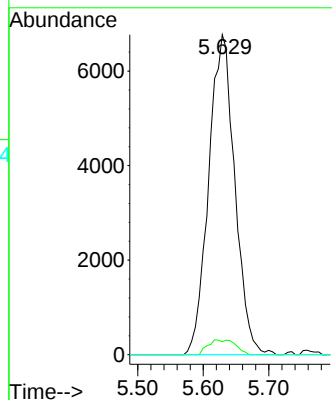
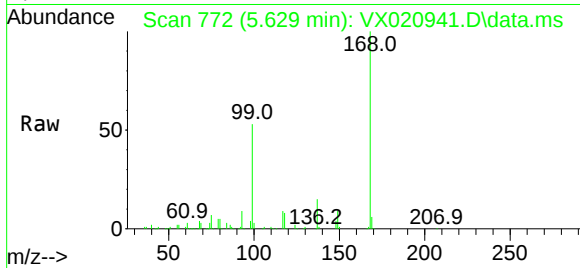




#38
Carbon Tetrachloride
Concen: 5.64 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

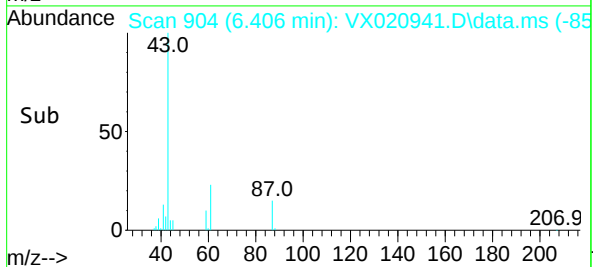
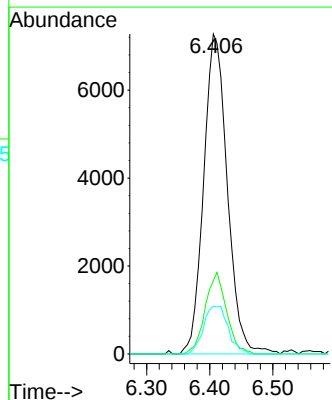
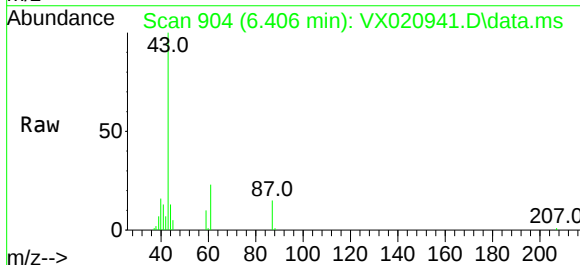
Instrument :
MSVOA_X
ClientSampleId :
PB134860TB

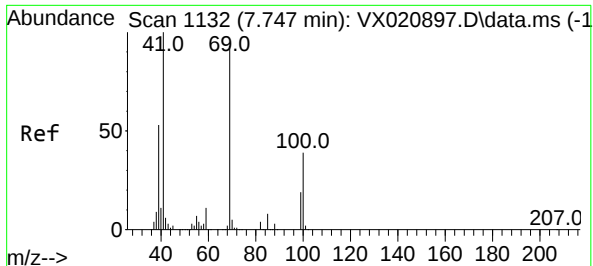
Tgt Ion:117 Resp: 18725
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.41 ug/l
RT: 6.406 min Scan# 904
Delta R.T. -0.006 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

Tgt Ion: 43 Resp: 18935
Ion Ratio Lower Upper
43 100
61 23.0 18.2 27.4
87 15.5 12.5 18.7





#48

Methyl methacrylate

Concen: 31.80 ug/l

RT: 7.847 min Scan# 1149

Delta R.T. 0.100 min

Lab File: VX020941.D

Acq: 01 Mar 2021 17:59

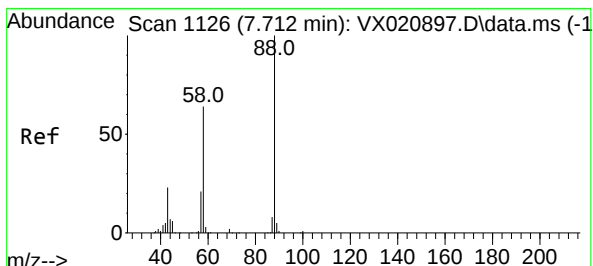
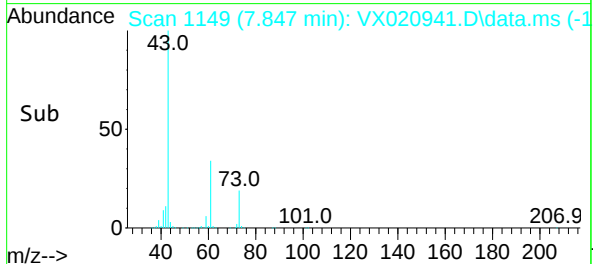
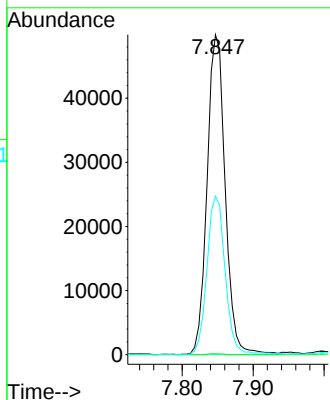
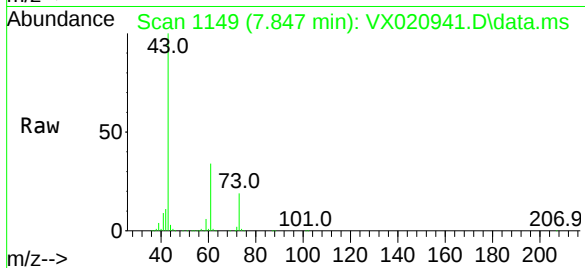
Instrument :

MSVOA_X

ClientSampleId :

PB134860TB

Tgt Ion:	41	Resp:	88502
Ion	Ratio	Lower	Upper
41	100		
69	0.2	76.0	114.0#
39	50.0	44.6	67.0



#49

1,4-Dioxane

Concen: 2.45 ug/l

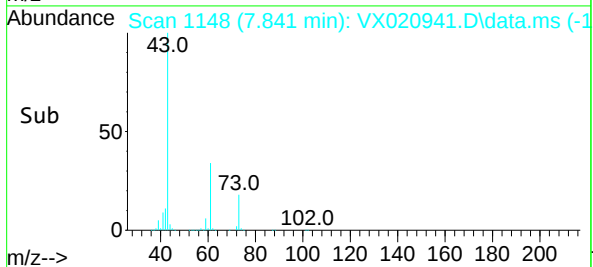
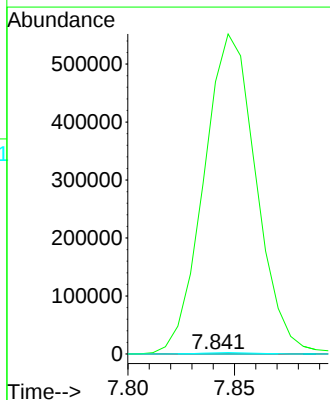
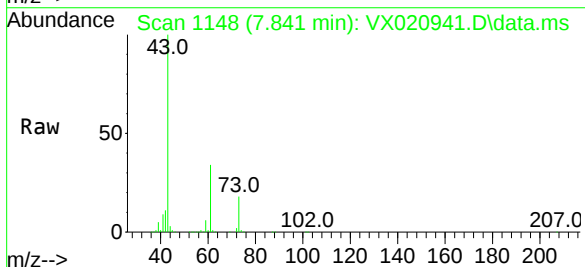
RT: 7.841 min Scan# 1148

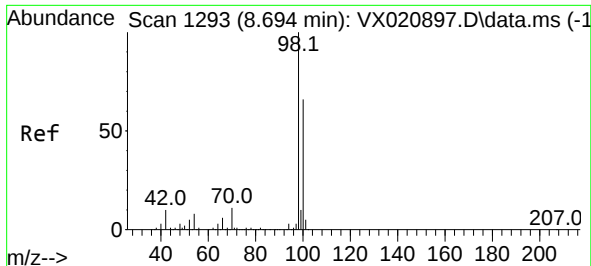
Delta R.T. 0.129 min

Lab File: VX020941.D

Acq: 01 Mar 2021 17:59

Tgt Ion:	88	Resp:	159
Ion	Ratio	Lower	Upper
88	100		
43	601872.3	23.2	34.8#
58	2625.8	55.0	82.4#

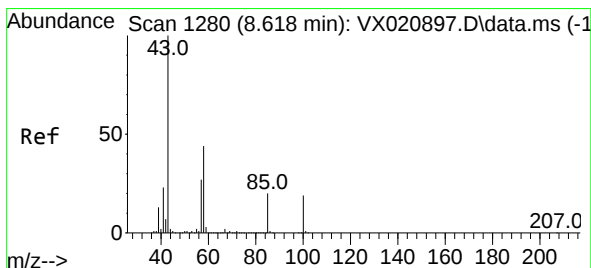
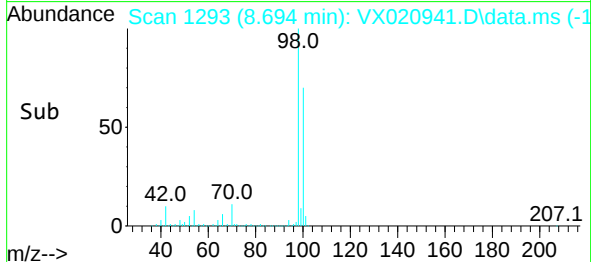
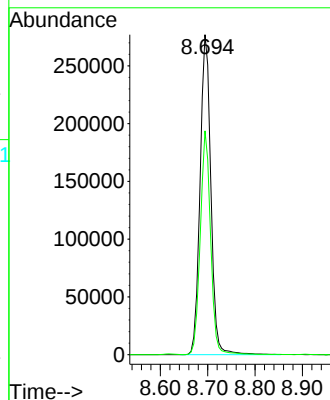
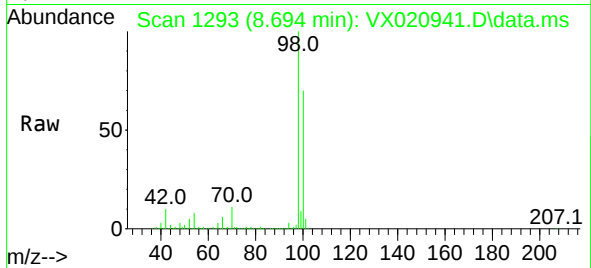




#50
Toluene-d8
Concen: 51.32 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

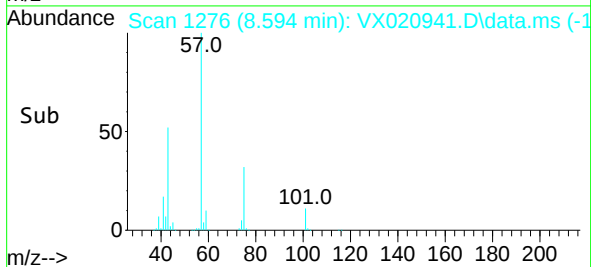
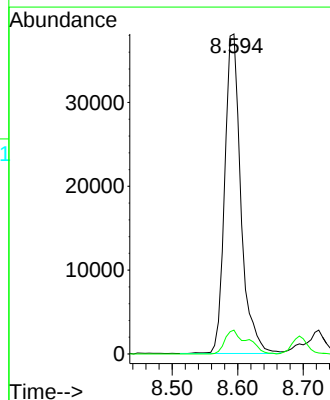
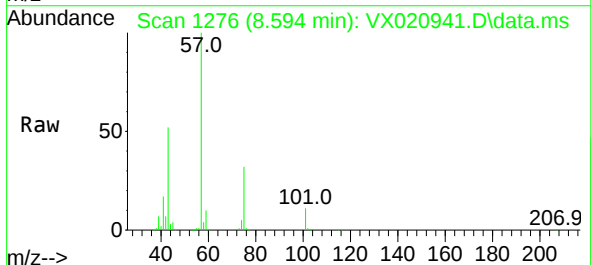
Instrument :
MSVOA_X
ClientSampleId :
PB134860TB

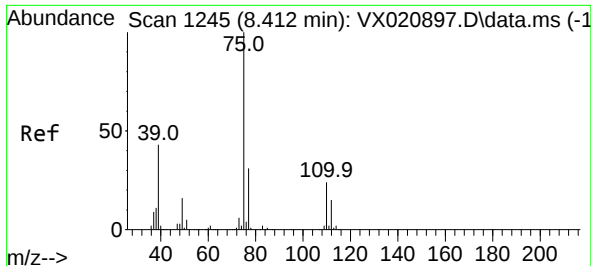
Tgt Ion: 98 Resp: 438493
Ion Ratio Lower Upper
98 100
100 66.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.17 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.024 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

Tgt Ion: 43 Resp: 65163
Ion Ratio Lower Upper
43 100
58 10.4 35.4 53.0#

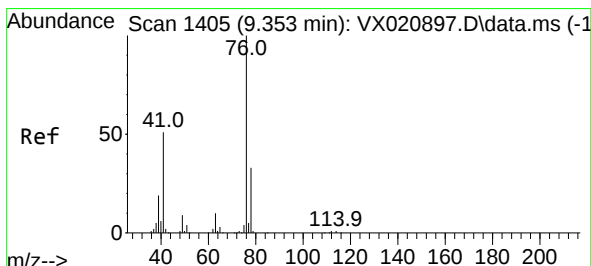
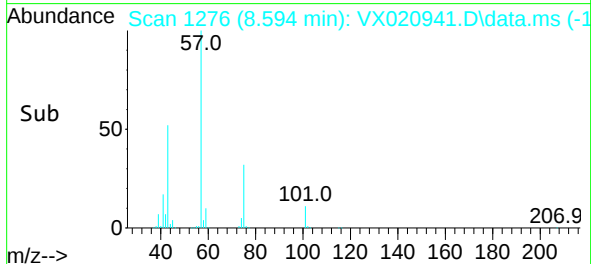
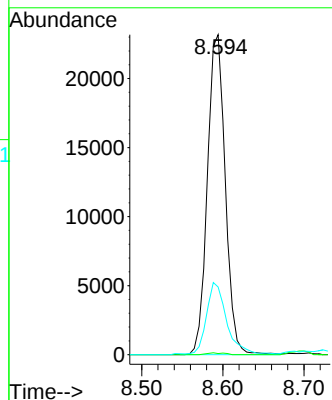
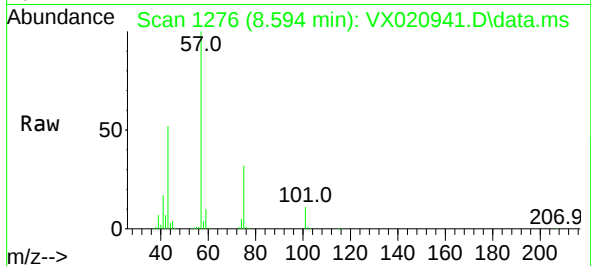




#54
cis-1,3-Dichloropropene
Concen: 7.99 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. 0.182 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

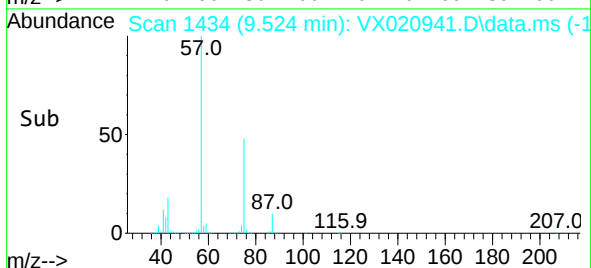
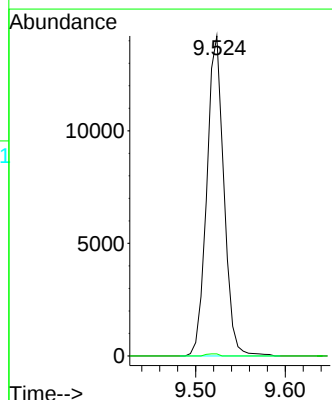
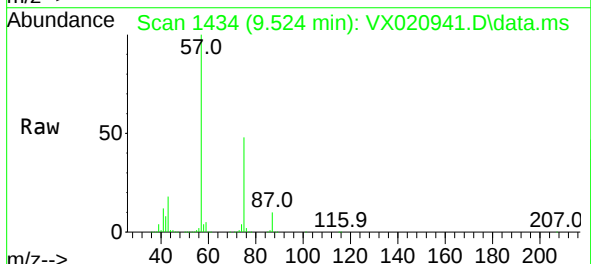
Instrument :
MSVOA_X
ClientSampleId :
PB134860TB

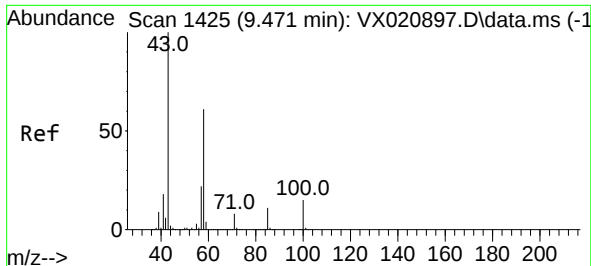
Tgt Ion: 75 Resp: 35456
Ion Ratio Lower Upper
75 100
77 0.3 25.7 38.5#
39 20.9 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 4.33 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.171 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

Tgt Ion: 76 Resp: 18791
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#

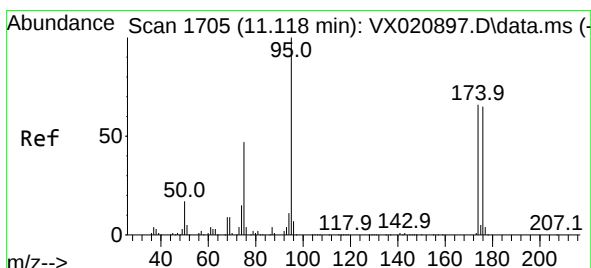
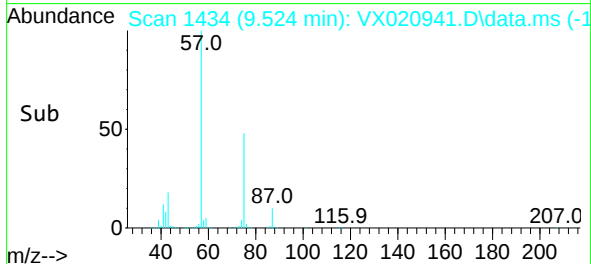
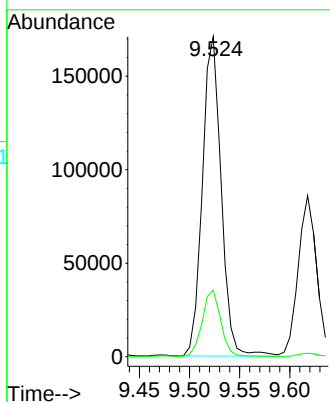
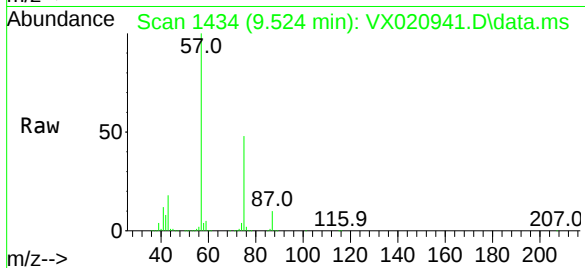




#59
2-Hexanone
Concen: 92.12 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.053 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

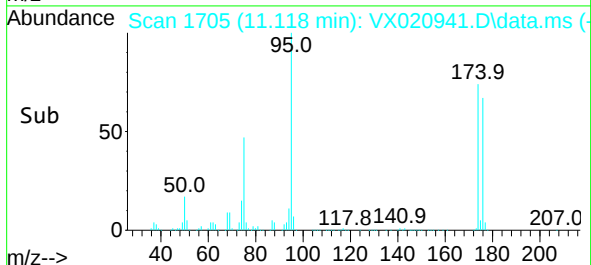
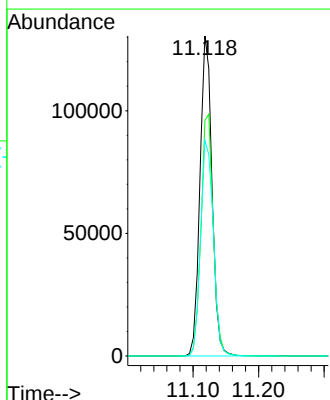
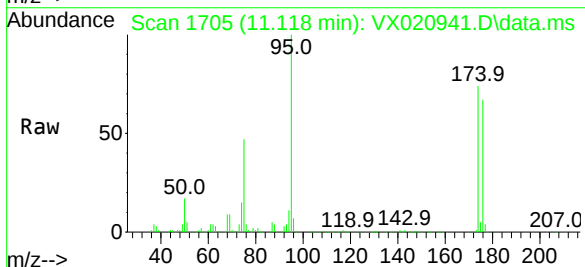
Instrument :
MSVOA_X
ClientSampleId :
PB134860TB

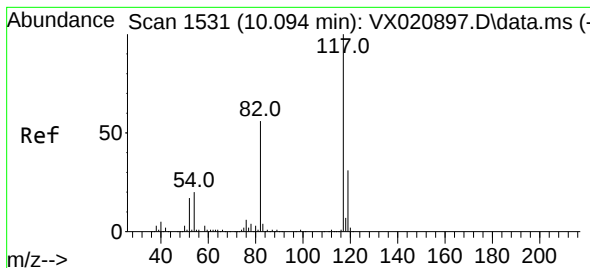
Tgt Ion: 43 Resp: 223240
Ion Ratio Lower Upper
43 100
58 20.5 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 52.79 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

Tgt Ion: 95 Resp: 166784
Ion Ratio Lower Upper
95 100
174 76.7 0.0 154.6
176 71.6 0.0 155.8

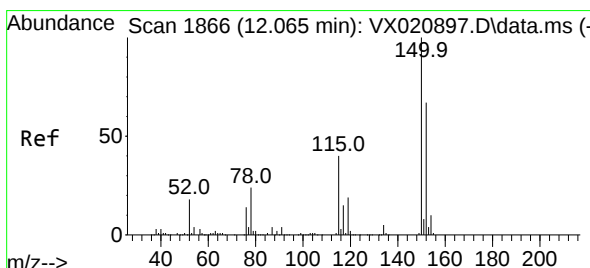
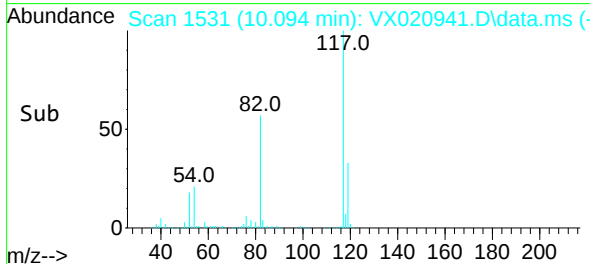
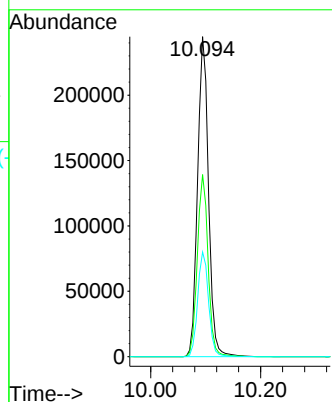
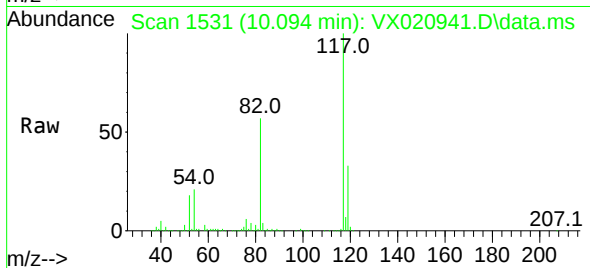




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

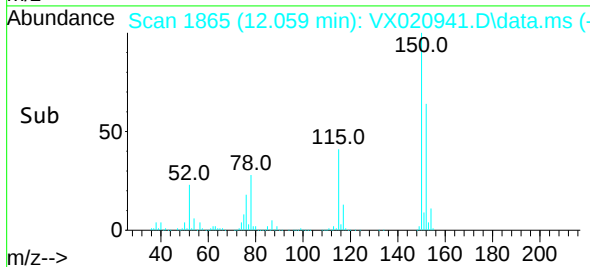
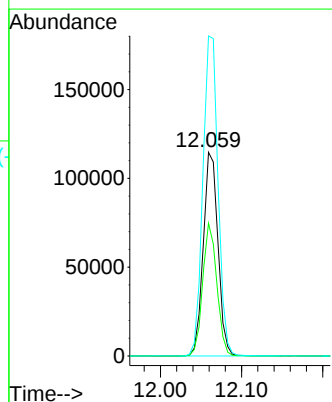
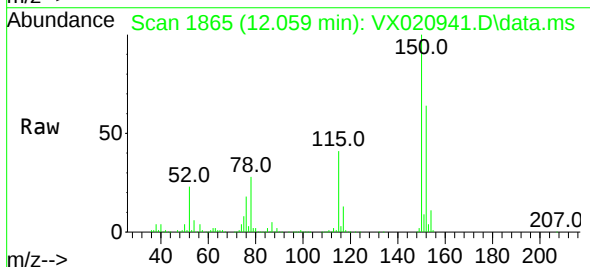
Instrument :
MSVOA_X
ClientSampleId :
PB134860TB

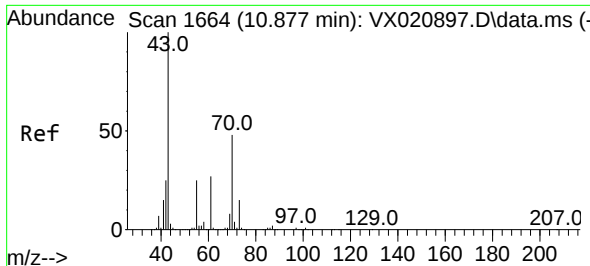
Tgt Ion:117 Resp: 337864
Ion Ratio Lower Upper
117 100
82 56.9 47.4 71.2
119 32.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

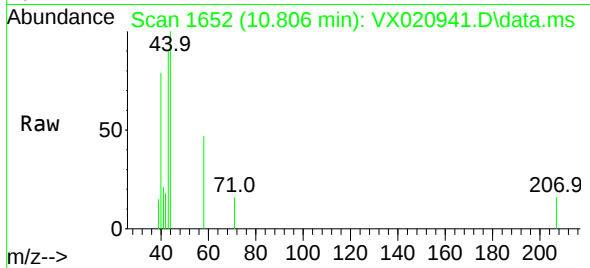
Tgt Ion:152 Resp: 143918
Ion Ratio Lower Upper
152 100
115 62.6 41.1 123.3
150 162.3 0.0 349.0



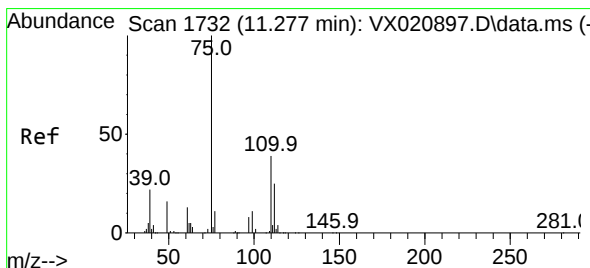
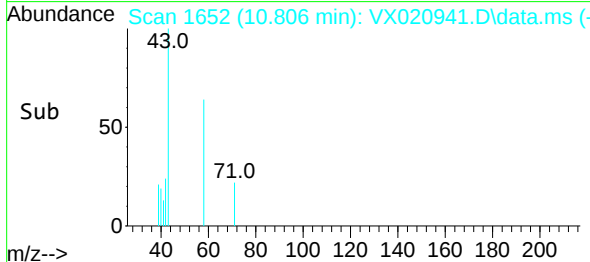
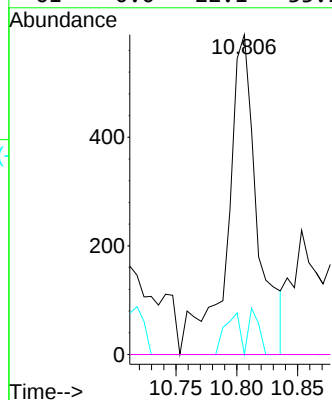


#74
N-amy1 acetate
Concen: 0.22 ug/l
RT: 10.806 min Scan# 1652
Delta R.T. -0.071 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

Instrument :
MSVOA_X
ClientSampleId :
PB134860TB

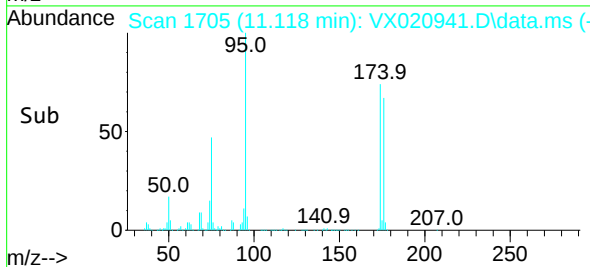
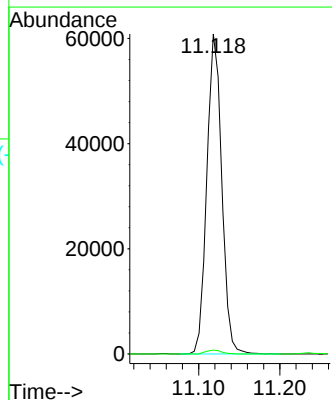
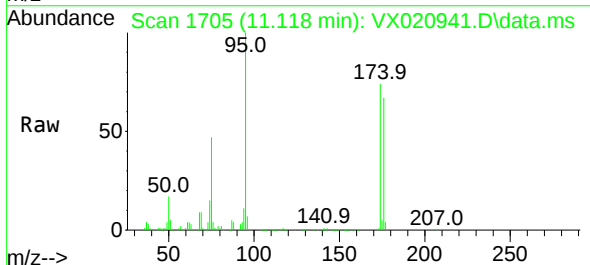


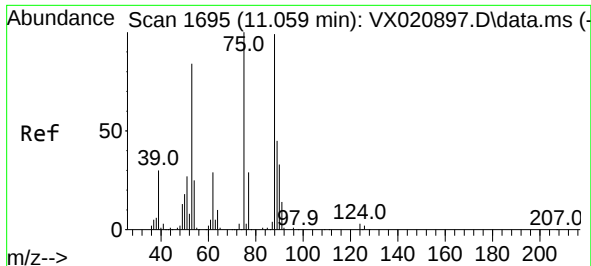
Tgt Ion: 43 Resp: 1009
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 5.0 21.5 32.3#
61 0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 25.00 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

Tgt Ion: 75 Resp: 77408
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

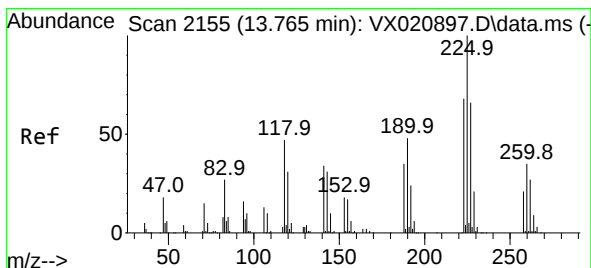
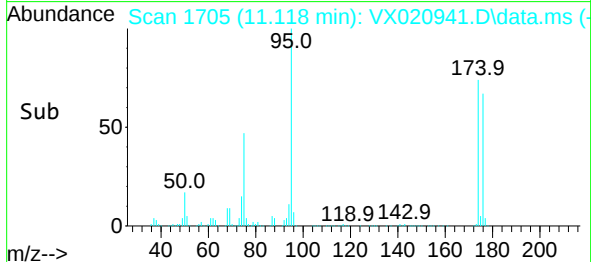
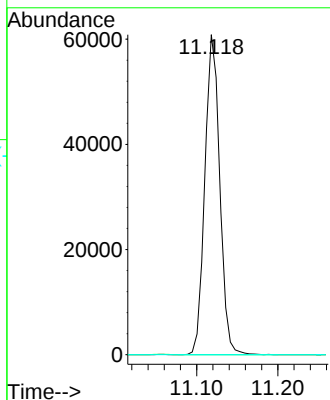
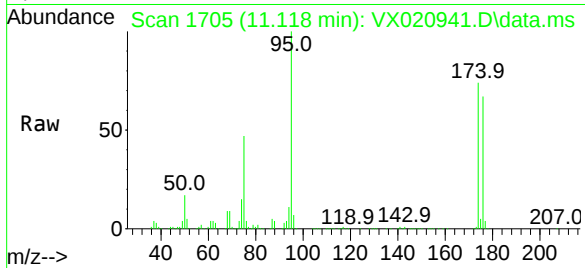




#81
trans-1,4-Dichloro-2-butene
Concen: 55.35 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

Instrument :
MSVOA_X
ClientSampleId :
PB134860TB

Tgt Ion: 75 Resp: 77408
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 0.24 ug/l
RT: 13.765 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VX020941.D
Acq: 01 Mar 2021 17:59

Tgt Ion: 225 Resp: 283
Ion Ratio Lower Upper
225 100
223 59.0 31.1 93.2
227 62.2 31.6 95.0

