

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042121\
 Data File : VX021786.D
 Acq On : 21 Apr 2021 12:47
 Operator : JC/MD
 Sample : M2101-06 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31056

Quant Time: Apr 22 08:56:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

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

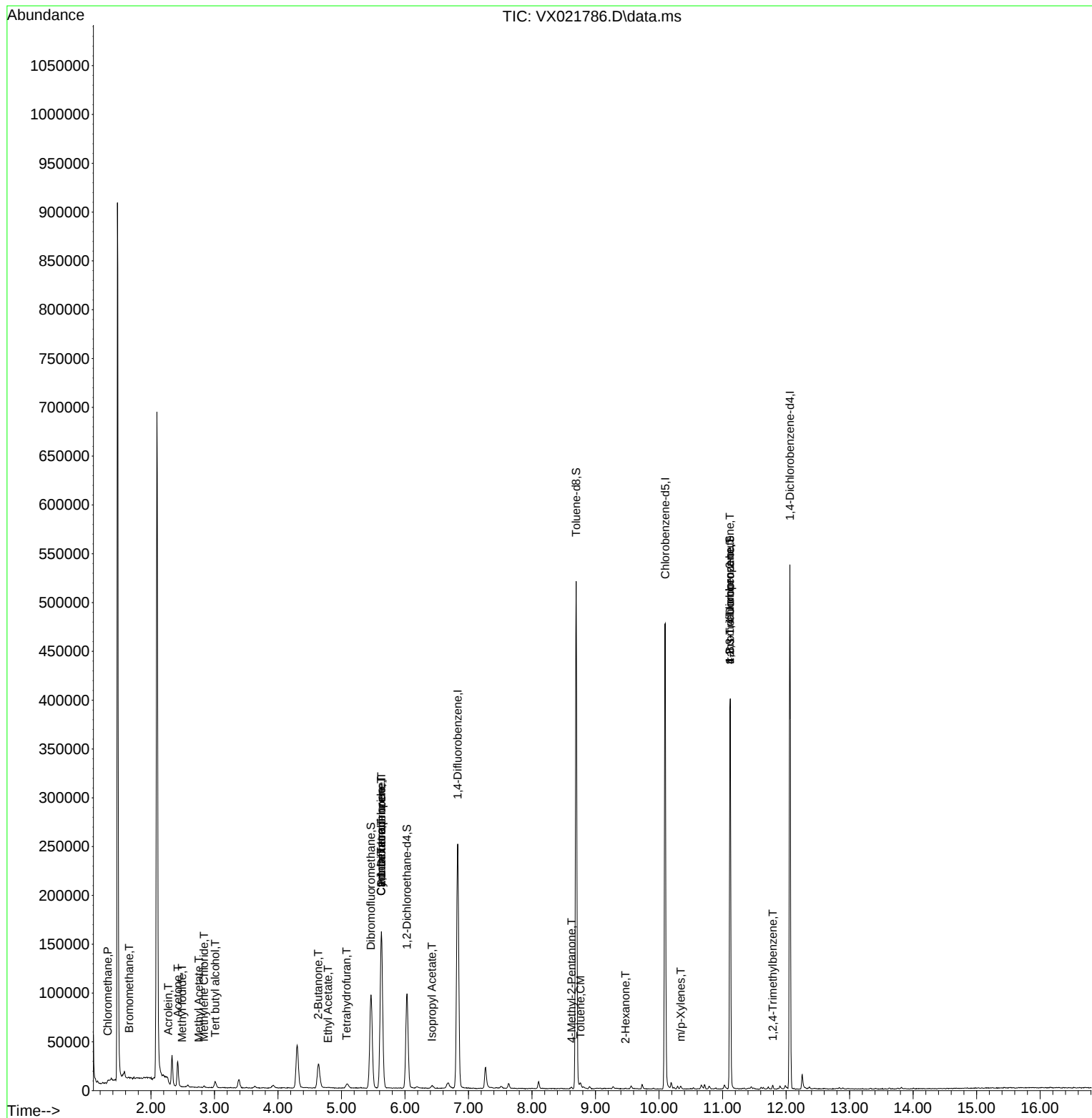
Internal Standards						
1) Pentafluorobenzene	5.629	168	160209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	271129	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	245451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	115047	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	91346	50.26	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.52%	
35) Dibromofluoromethane	5.464	113	86565	49.93	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.86%	
50) Toluene-d8	8.695	98	321498	48.22	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.44%	
62) 4-Bromofluorobenzene	11.116	95	116122	46.64	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.28%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.319	50	1758	1.16	ug/l	95
5) Bromomethane	1.654	94	274	0.34	ug/l #	47
10) Methyl Iodide	2.489	142	68	8.19	ug/l #	42
11) Tert butyl alcohol	3.014	59	7935	19.94	ug/l #	84
13) Acrolein	2.270	56	470	1.46	ug/l #	70
16) Acetone	2.422	43	26391	42.24	ug/l	99
18) Methyl Acetate	2.751	43	845	0.50	ug/l #	86
20) Methylene Chloride	2.837	84	782	0.42	ug/l #	89
25) 2-Butanone	4.635	43	38144	36.05	ug/l	98
29) Tetrahydrofuran	5.080	42	321	0.47	ug/l #	46
31) Cyclohexane	5.623	56	2969	1.16	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	10995	4.59	ug/l #	50
37) Ethyl Acetate	4.788	43	1250	0.56	ug/l #	76
38) Carbon Tetrachloride	5.623	117	15350	5.86	ug/l #	16
43) Isopropyl Acetate	6.422	43	1304	0.33	ug/l #	57
51) 4-Methyl-2-Pentanone	8.622	43	1055	0.47	ug/l	92
52) Toluene	8.763	92	1486	0.32	ug/l	99
59) 2-Hexanone	9.470	43	395	0.23	ug/l	78
68) m/p-Xylenes	10.342	106	716	0.21	ug/l	87
76) 1,2,3-Trichloropropane	11.116	75	53311	23.37	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	53311	53.73	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.793	105	1633	0.24	ug/l	70

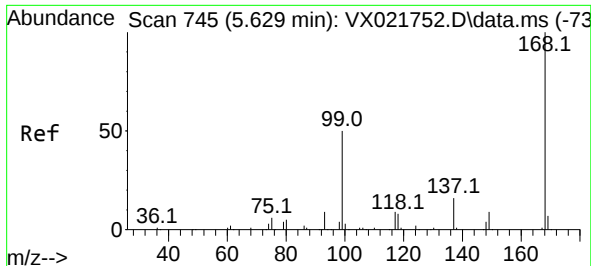
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 20 13:46:22 2021
Response via : Initial Calibration

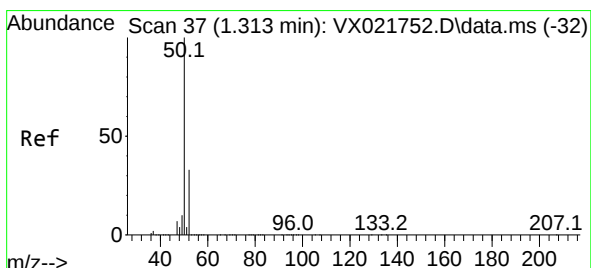
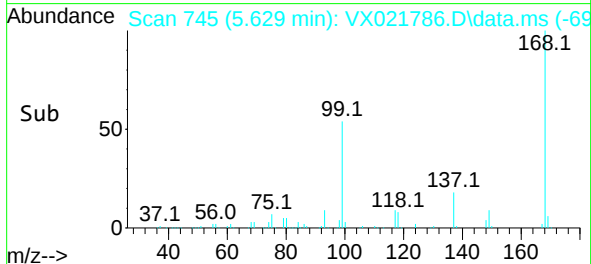
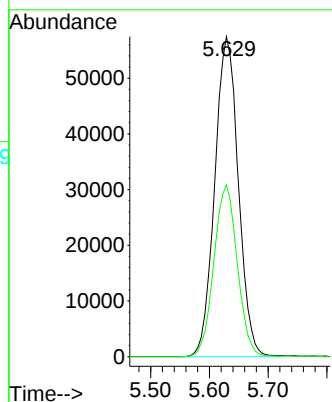
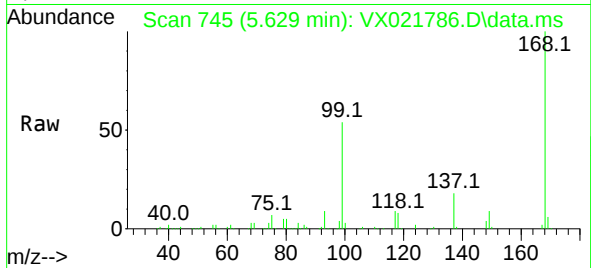




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

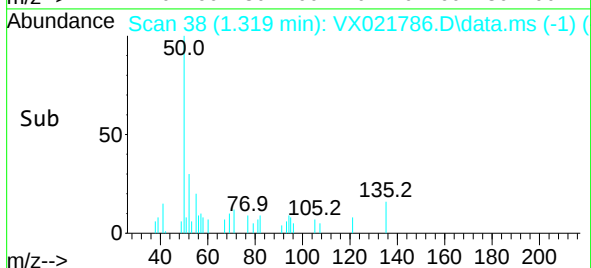
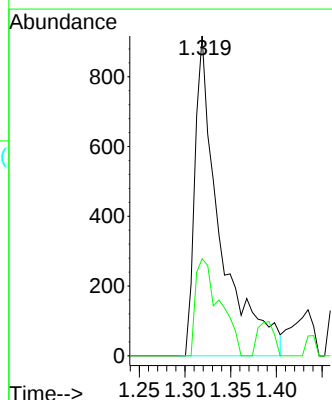
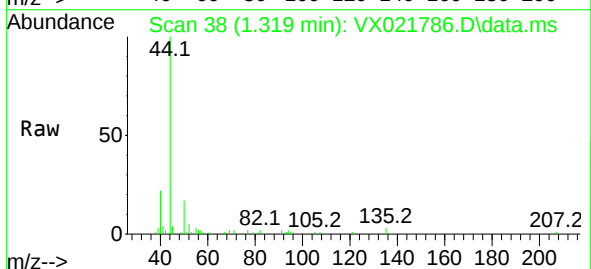
Instrument :
MSVOA_X
ClientSampleId :
31056

Tgt Ion:168 Resp: 160209
Ion Ratio Lower Upper
168 100
99 53.7 45.8 68.6



#3
Chloromethane
Concen: 1.16 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.006 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

Tgt Ion: 50 Resp: 1758
Ion Ratio Lower Upper
50 100
52 30.3 26.4 39.6

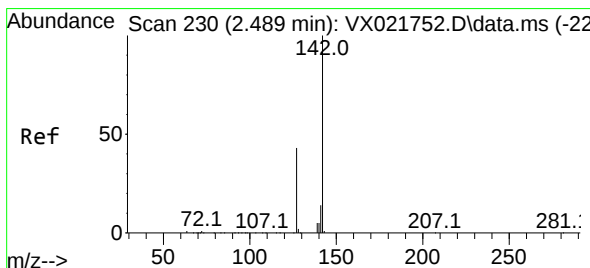
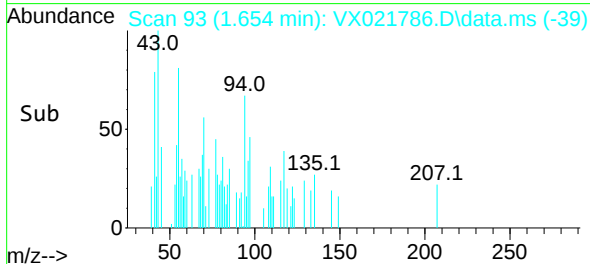
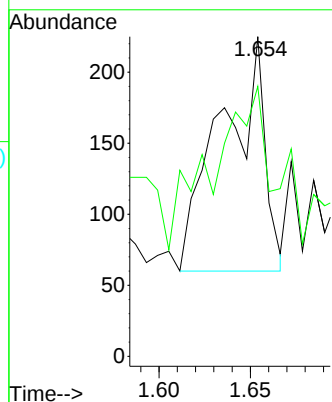
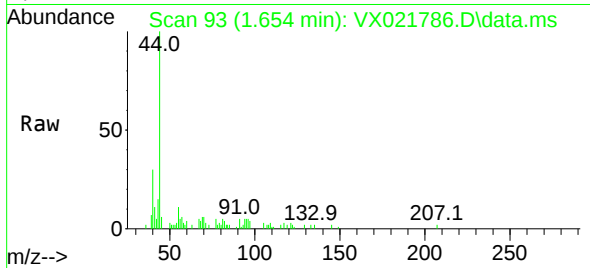




#5
Bromomethane
Concen: 0.34 ug/l
RT: 1.654 min Scan# 93
Delta R.T. 0.031 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

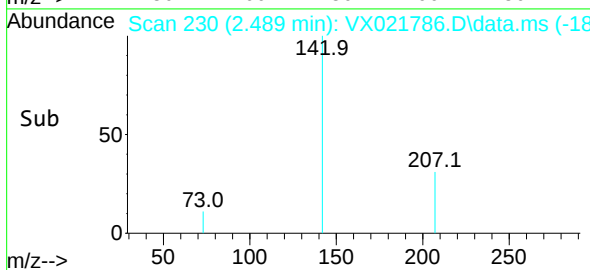
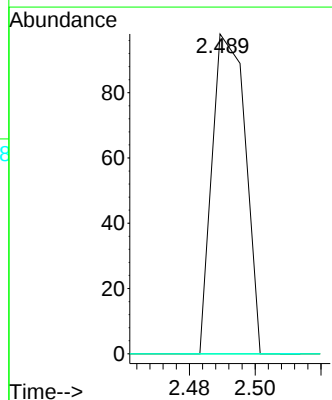
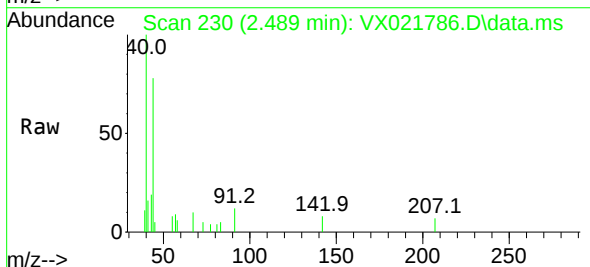
Instrument :
MSVOA_X
ClientSampleId :
31056

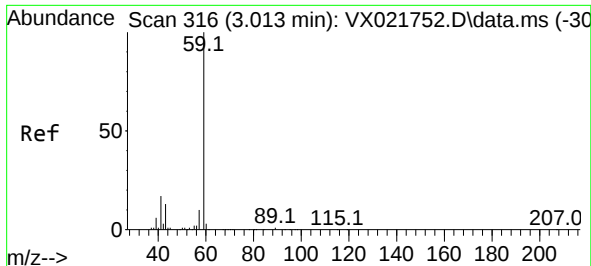
Tgt Ion: 94 Resp: 274
Ion Ratio Lower Upper
94 100
96 43.6 76.4 114.6#



#10
Methyl Iodide
Concen: 8.19 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

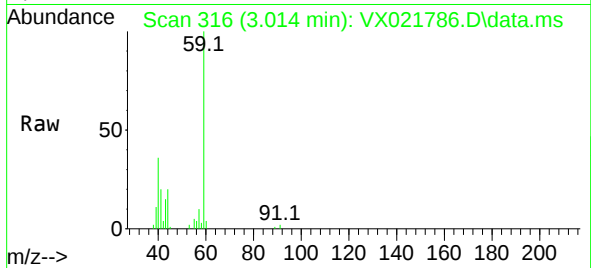
Tgt Ion: 142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



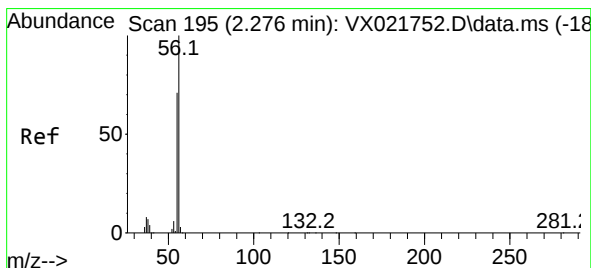
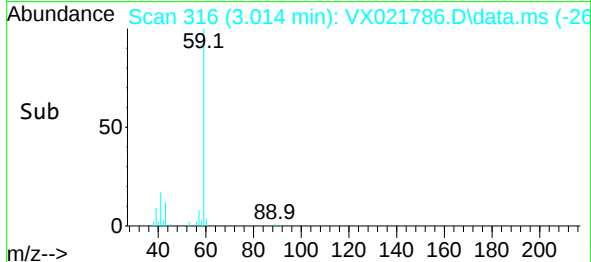
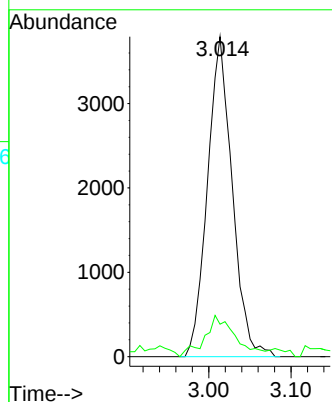


#11
Tert butyl alcohol
Concen: 19.94 ug/l
RT: 3.014 min Scan# 316
Delta R.T. 0.001 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

Instrument :
MSVOA_X
ClientSampled :
31056

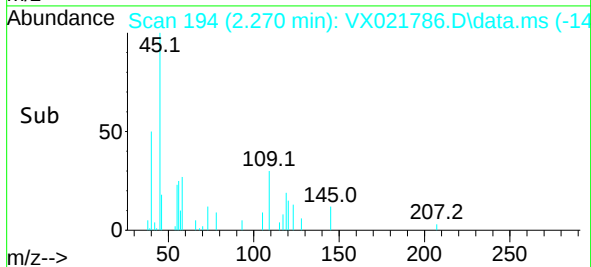
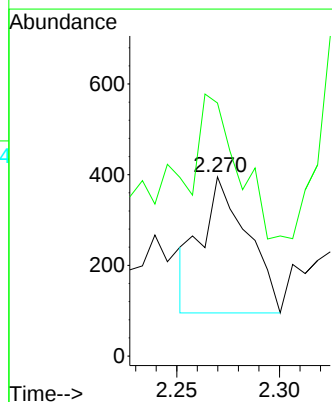
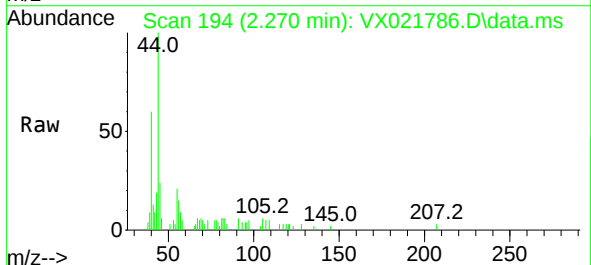


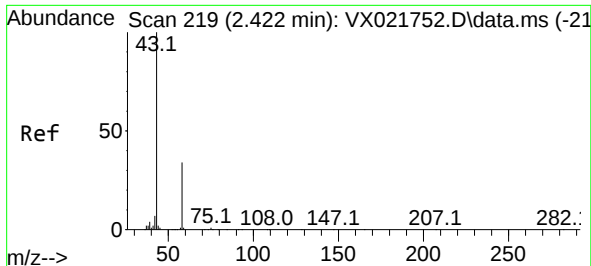
Tgt Ion: 59 Resp: 7935
Ion Ratio Lower Upper
59 100
57 15.8 7.8 11.8#



#13
Acrolein
Concen: 1.46 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.006 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

Tgt Ion: 56 Resp: 470
Ion Ratio Lower Upper
56 100
55 95.5 56.4 84.6#

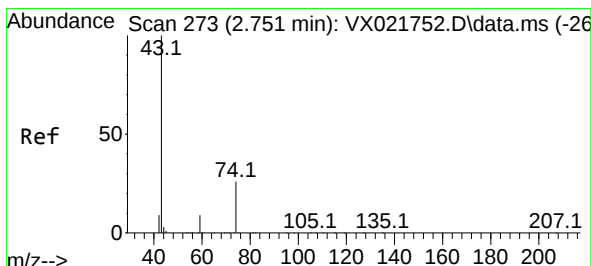
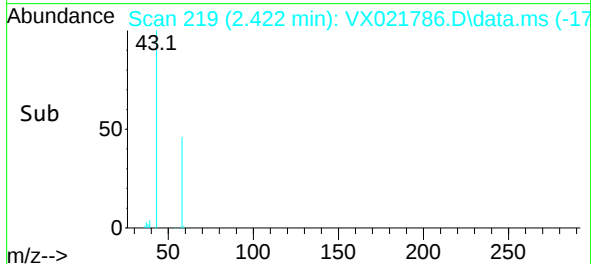
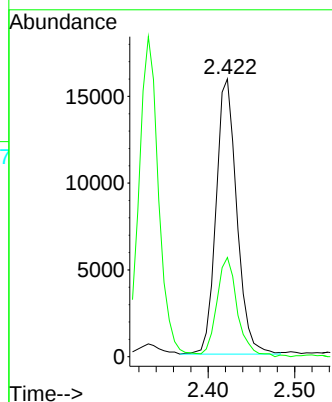
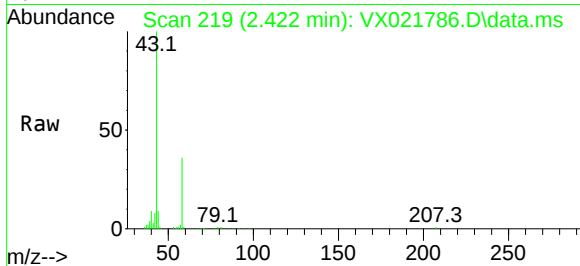




#16
Acetone
Concen: 42.24 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

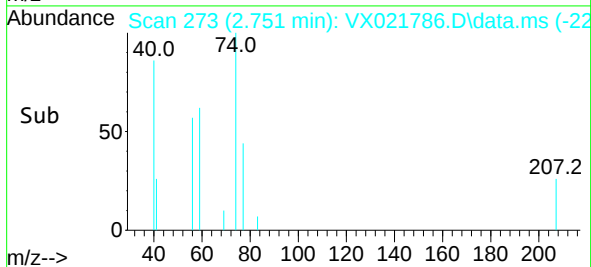
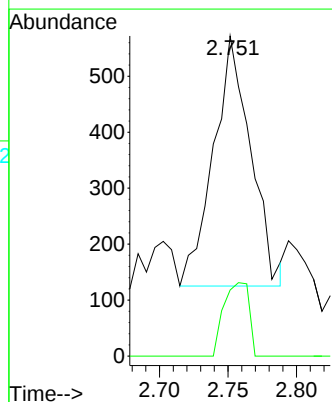
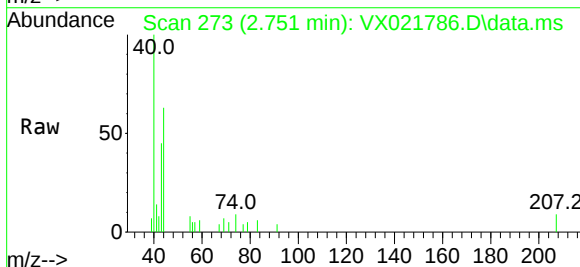
Instrument :
MSVOA_X
ClientSampled :
31056

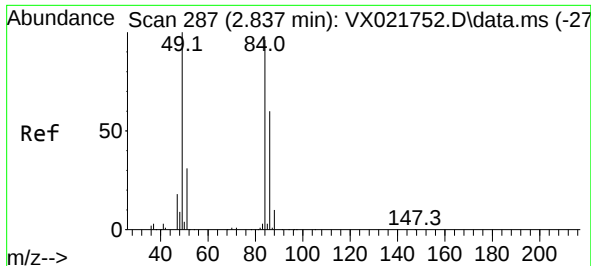
Tgt Ion: 43 Resp: 26391
Ion Ratio Lower Upper
43 100
58 35.5 27.8 41.8



#18
Methyl Acetate
Concen: 0.50 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.000 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

Tgt Ion: 43 Resp: 845
Ion Ratio Lower Upper
43 100
74 19.9 21.9 32.9#





#20

Methylene Chloride

Concen: 0.42 ug/l

RT: 2.837 min Scan# 287

Delta R.T. -0.000 min

Lab File: VX021786.D

Acq: 21 Apr 2021 12:47

Tgt Ion: 84 Resp: 782

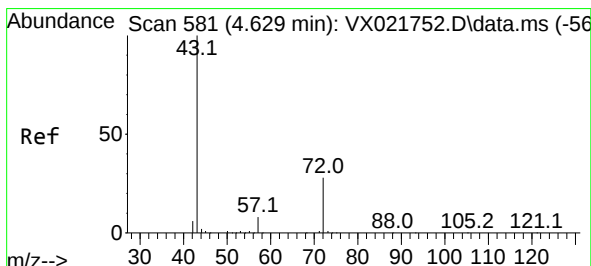
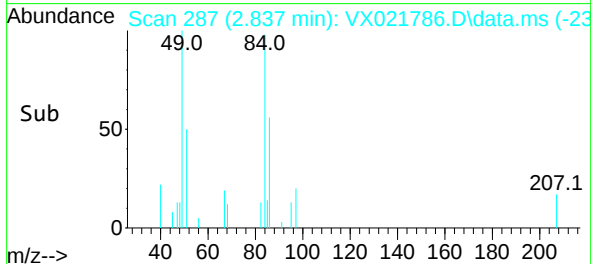
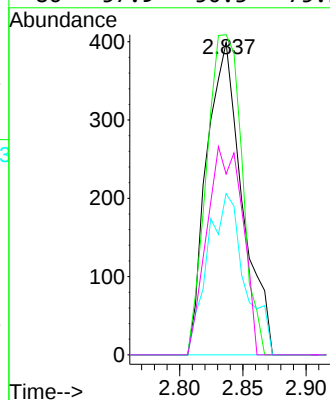
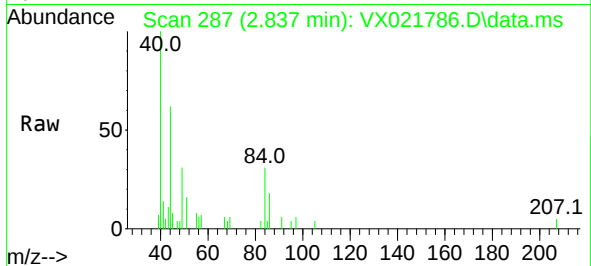
Ion Ratio Lower Upper

84 100

49 102.5 88.6 132.8

51 51.6 27.0 40.6#

86 57.9 50.3 75.5



#25

2-Butanone

Concen: 36.05 ug/l

RT: 4.635 min Scan# 582

Delta R.T. 0.006 min

Lab File: VX021786.D

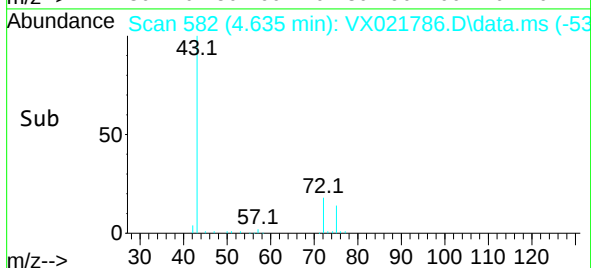
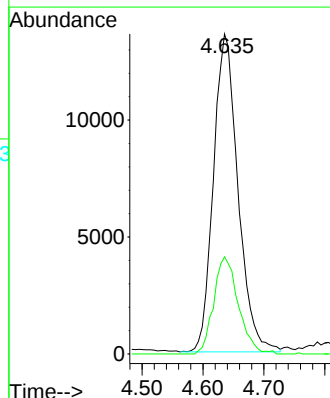
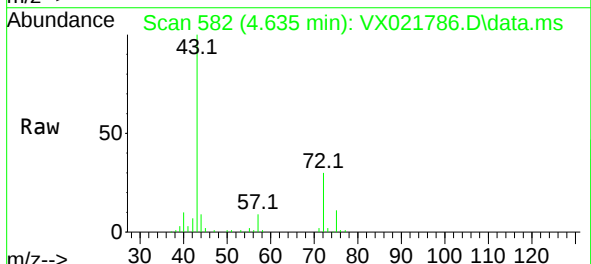
Acq: 21 Apr 2021 12:47

Tgt Ion: 43 Resp: 38144

Ion Ratio Lower Upper

43 100

72 30.6 23.7 35.5

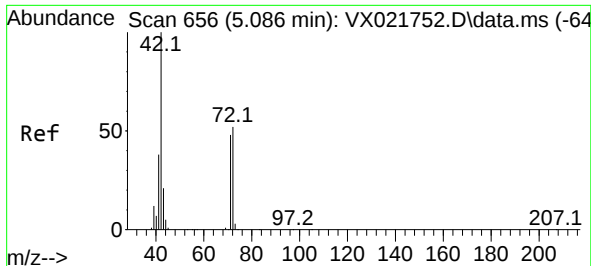


Instrument :

MSVOA_X

ClientSampleId :

31056



#29

Tetrahydrofuran

Concen: 0.47 ug/l

RT: 5.080 min Scan# 655

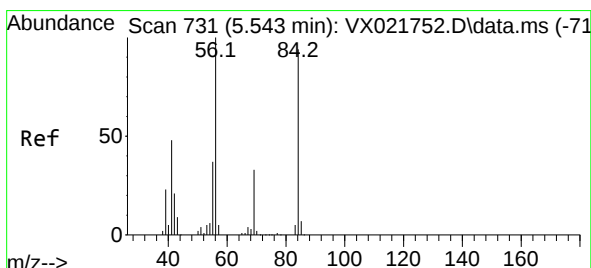
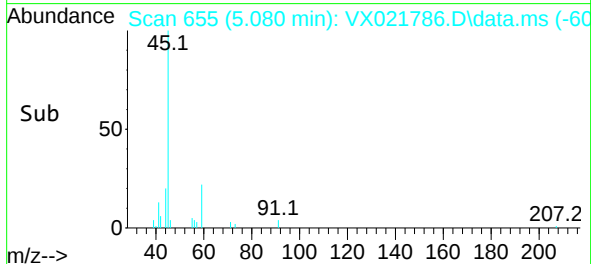
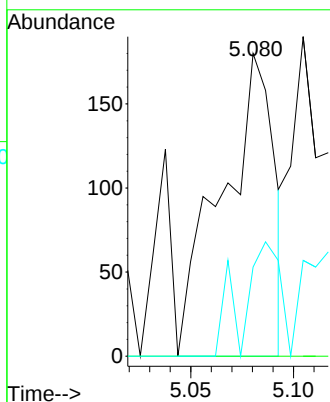
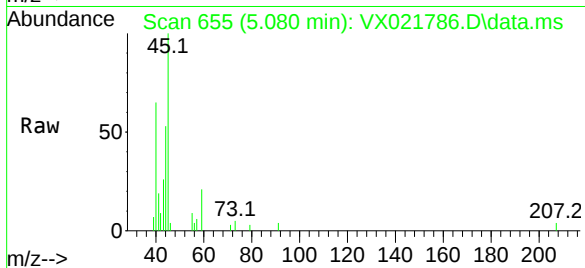
Delta R.T. -0.006 min

Lab File: VX021786.D

Acq: 21 Apr 2021 12:47

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion:	42	Resp:	321
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	26.8	38.4	57.6#



#31

Cyclohexane

Concen: 1.16 ug/l

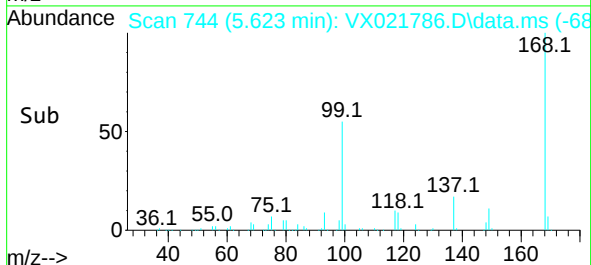
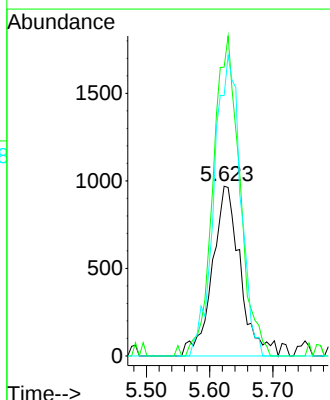
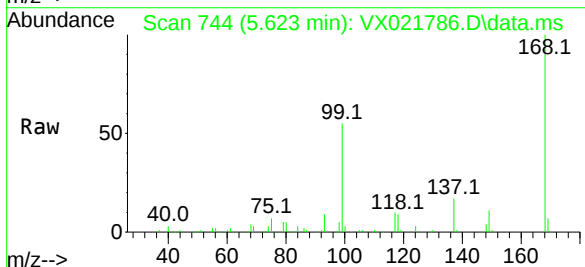
RT: 5.623 min Scan# 744

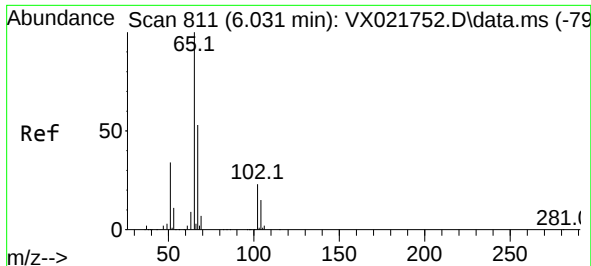
Delta R.T. 0.080 min

Lab File: VX021786.D

Acq: 21 Apr 2021 12:47

Tgt Ion:	56	Resp:	2969
Ion	Ratio	Lower	Upper
56	100		
69	170.1	25.3	37.9#
84	153.3	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.26 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX021786.D

Acq: 21 Apr 2021 12:47

Tgt Ion: 65 Resp: 91346

Ion Ratio Lower Upper

65 100

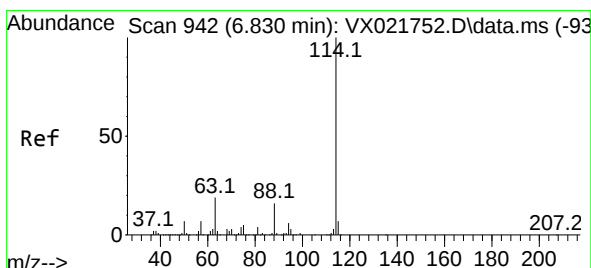
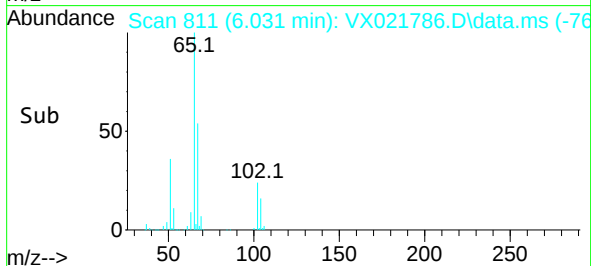
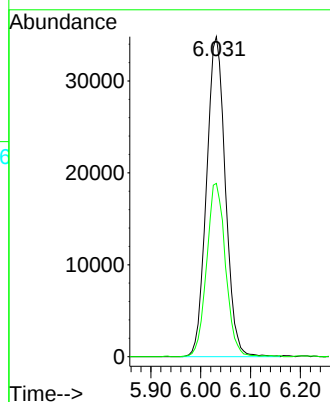
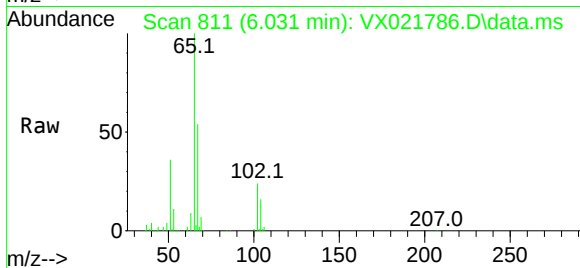
67 54.2 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :

31056



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. -0.000 min

Lab File: VX021786.D

Acq: 21 Apr 2021 12:47

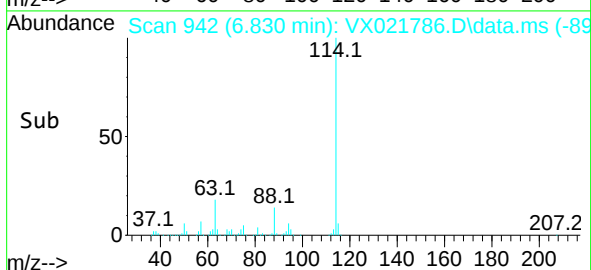
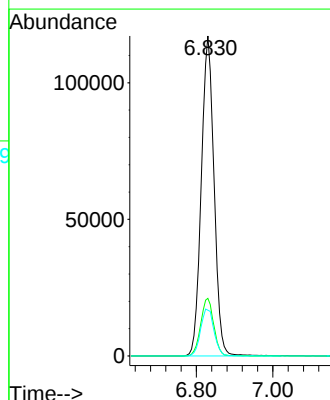
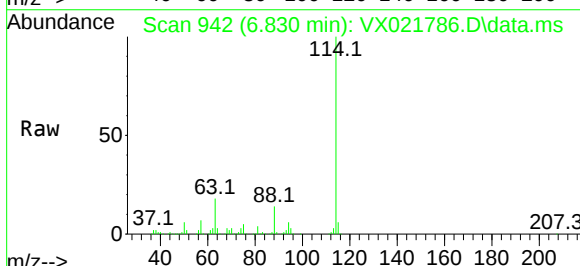
Tgt Ion: 114 Resp: 271129

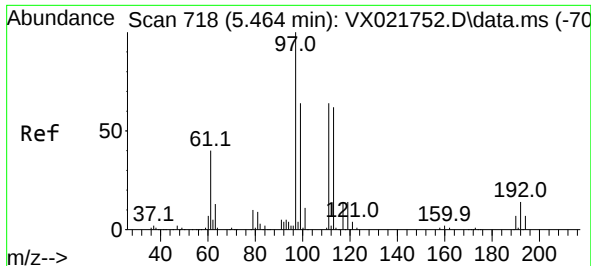
Ion Ratio Lower Upper

114 100

63 18.0 0.0 40.8

88 14.3 0.0 32.8

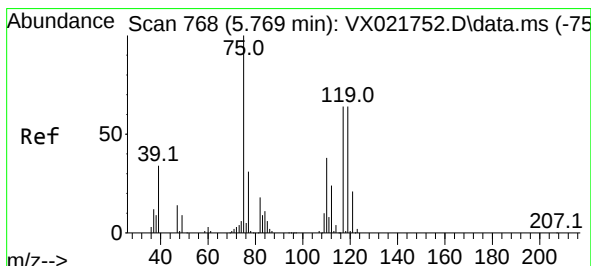
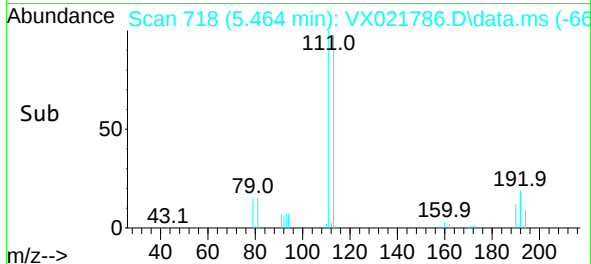
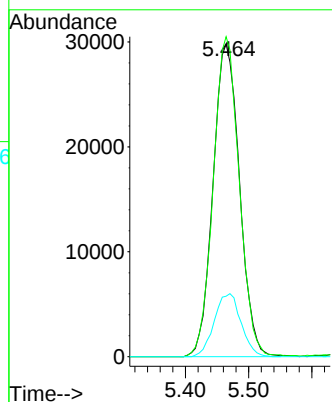
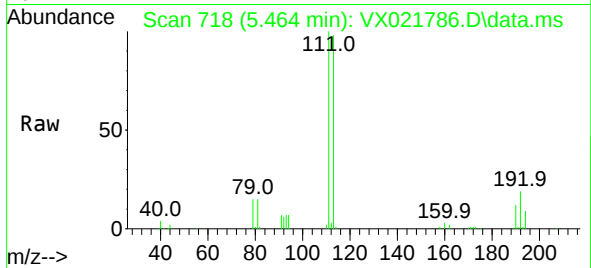




#35
Dibromofluoromethane
Concen: 49.93 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

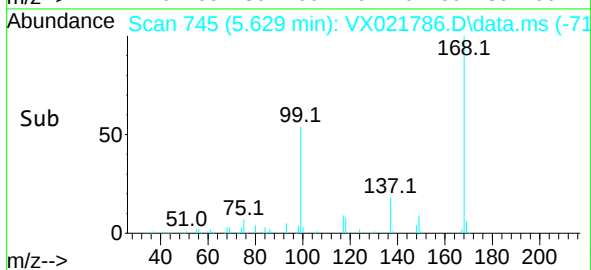
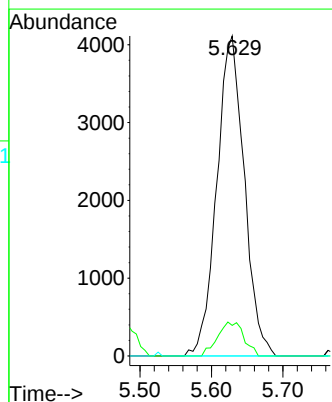
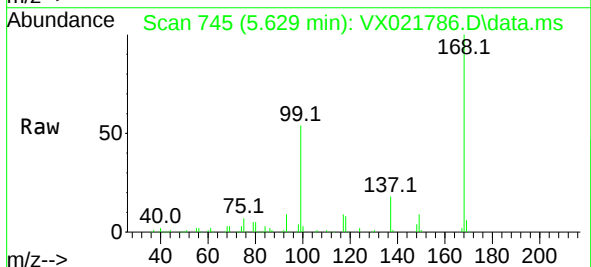
Instrument :
MSVOA_X
ClientSampled :
31056

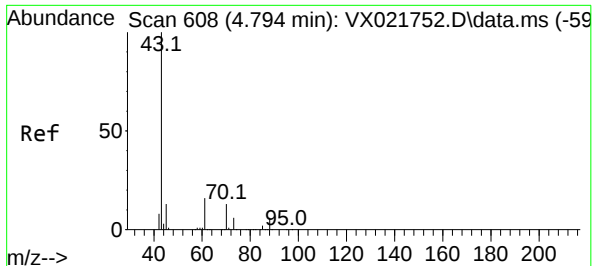
Tgt Ion:113 Resp: 86565
Ion Ratio Lower Upper
113 100
111 100.3 81.9 122.9
192 20.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.59 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

Tgt Ion: 75 Resp: 10995
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.56 ug/l

RT: 4.788 min Scan# 607

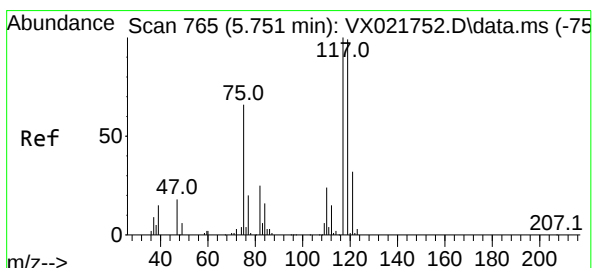
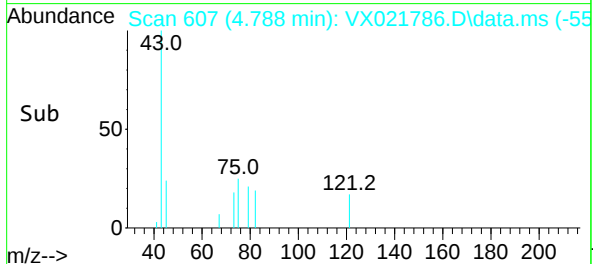
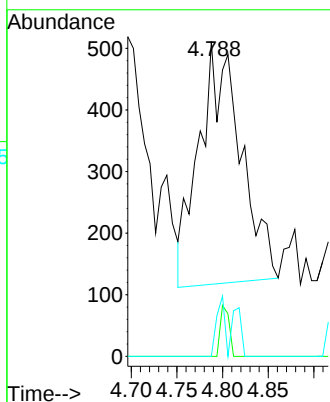
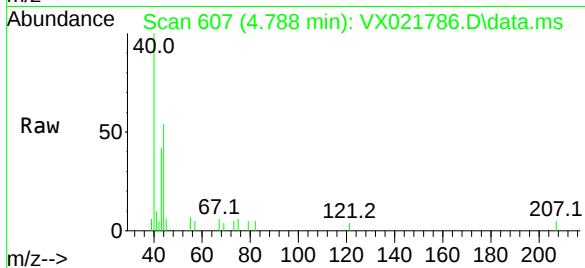
Delta R.T. -0.006 min

Lab File: VX021786.D

Acq: 21 Apr 2021 12:47

Tgt Ion: 43	Resp: 1250
Ion Ratio	Lower Upper
43 100	
61 4.5	12.8 19.2#
70 4.8	10.5 15.7#

Instrument :
MSVOA_X
ClientSampled :
31056



#38

Carbon Tetrachloride

Concen: 5.86 ug/l

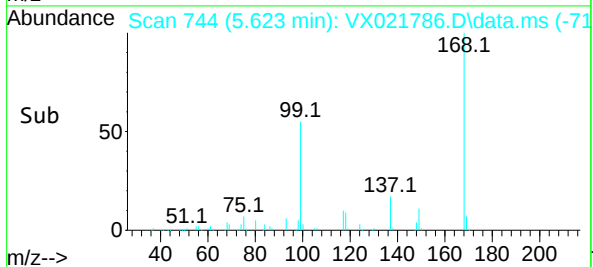
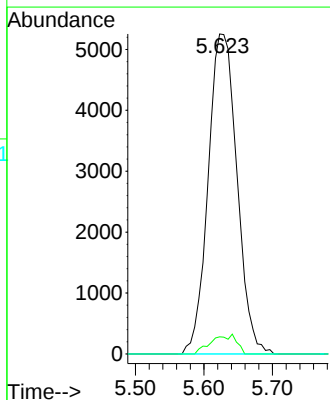
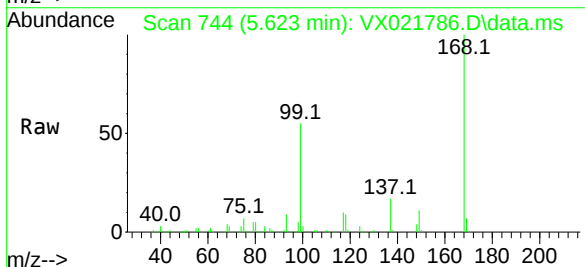
RT: 5.623 min Scan# 744

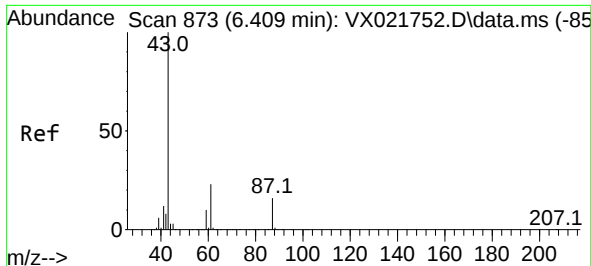
Delta R.T. -0.128 min

Lab File: VX021786.D

Acq: 21 Apr 2021 12:47

Tgt Ion: 117	Resp: 15350
Ion Ratio	Lower Upper
117 100	
119 5.3	76.2 114.2#
121 0.0	24.8 37.2#

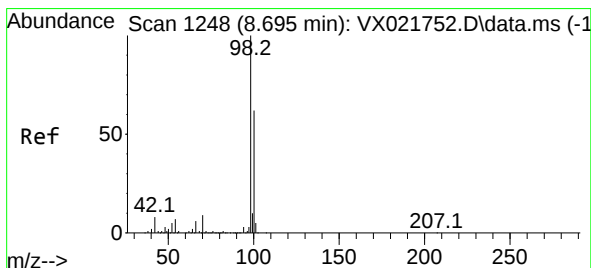
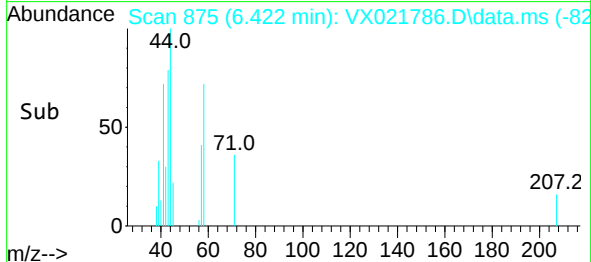
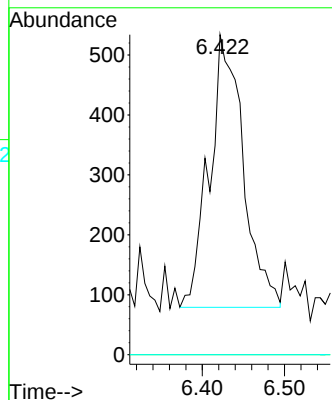
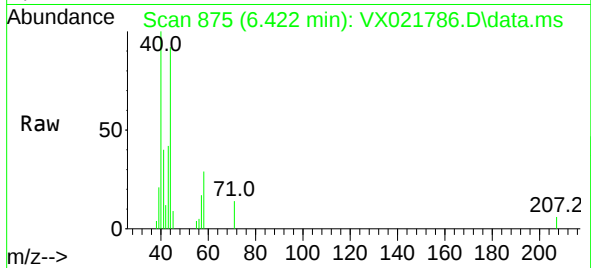




#43
Isopropyl Acetate
Concen: 0.33 ug/l
RT: 6.422 min Scan# 875
Delta R.T. 0.013 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

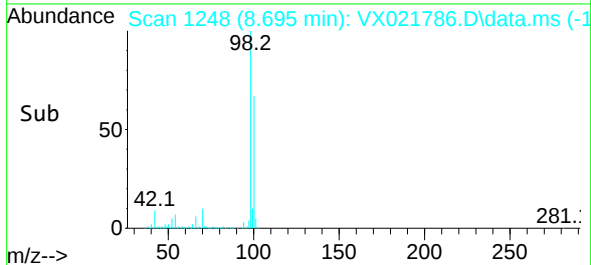
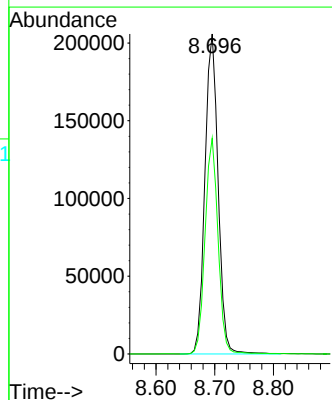
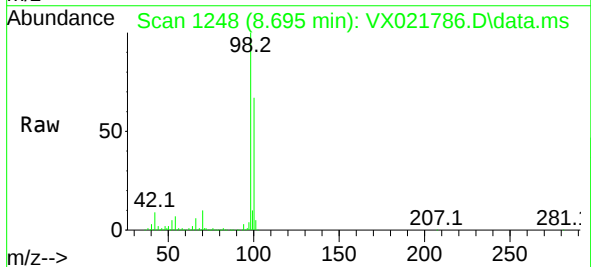
Instrument :
MSVOA_X
ClientSampleId :
31056

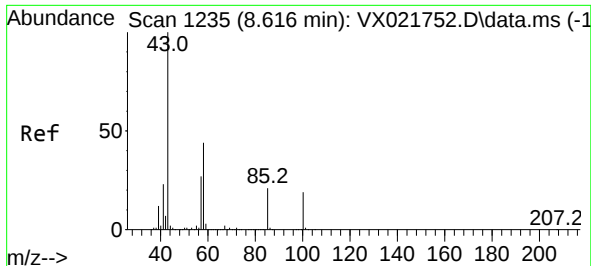
Tgt Ion: 43 Resp: 1304
Ion Ratio Lower Upper
43 100
61 0.0 18.2 27.4#
87 0.0 12.5 18.7#



#50
Toluene-d8
Concen: 48.22 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

Tgt Ion: 98 Resp: 321498
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9

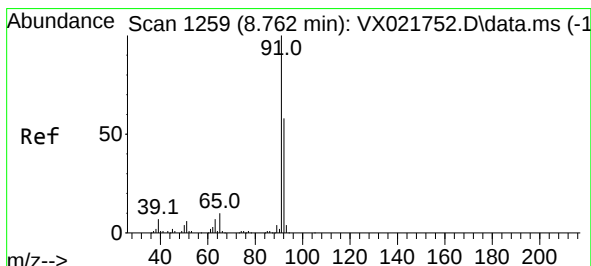
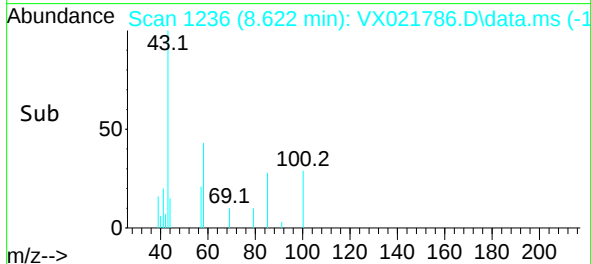
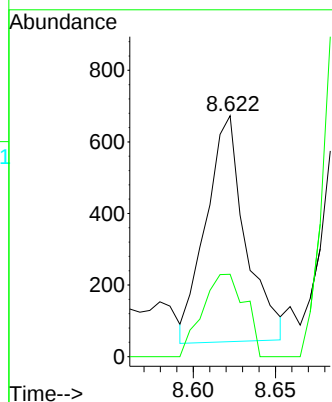
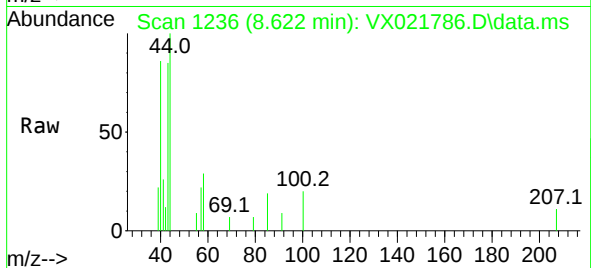




#51
4-Methyl-2-Pentanone
Concen: 0.47 ug/l
RT: 8.622 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

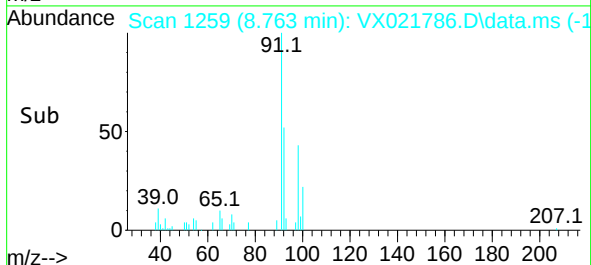
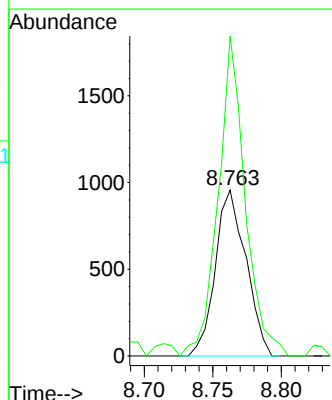
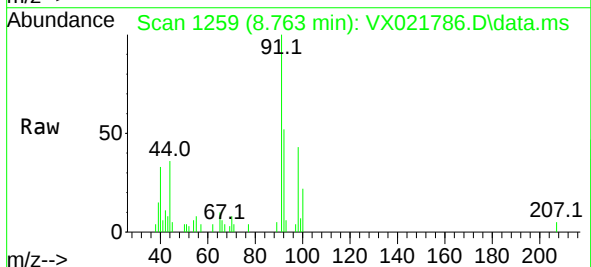
Instrument :
MSVOA_X
ClientSampled :
31056

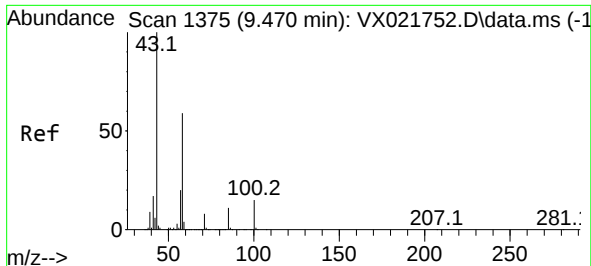
Tgt Ion: 43 Resp: 1055
Ion Ratio Lower Upper
43 100
58 39.1 35.4 53.0



#52
Toluene
Concen: 0.32 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

Tgt Ion: 92 Resp: 1486
Ion Ratio Lower Upper
92 100
91 169.9 137.1 205.7

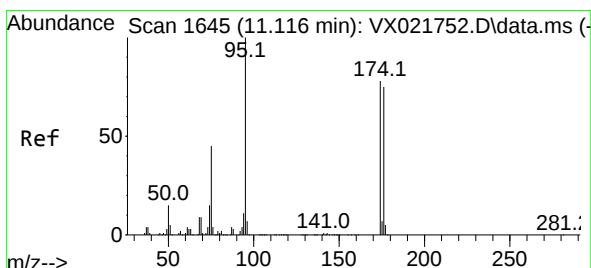
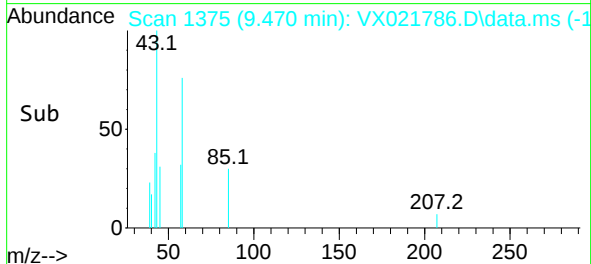
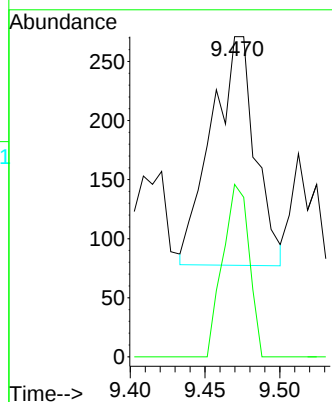
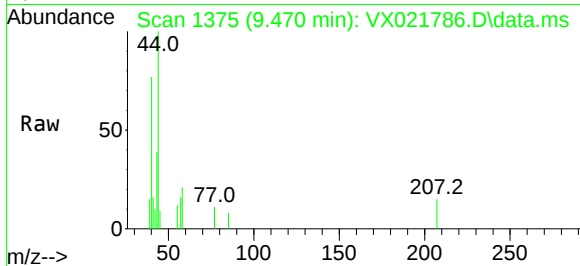




#59
2-Hexanone
Concen: 0.23 ug/l
RT: 9.470 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

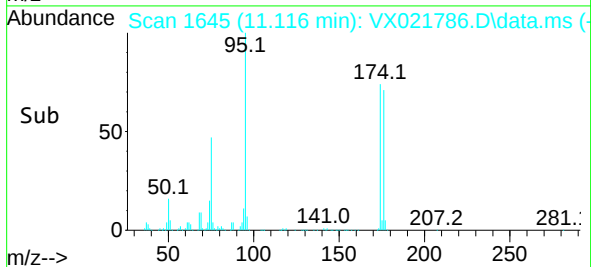
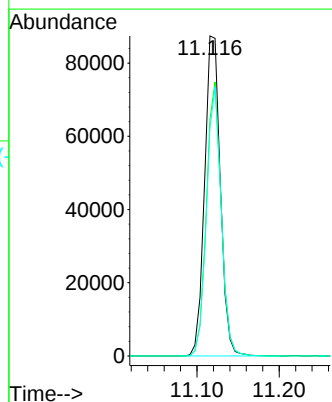
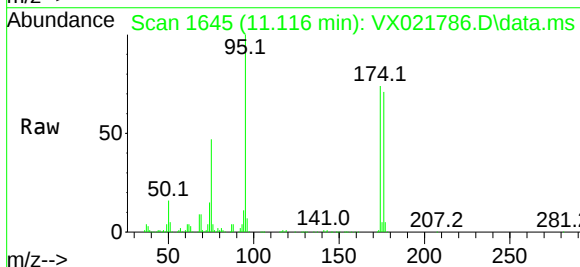
Instrument :
MSVOA_X
ClientSampled :
31056

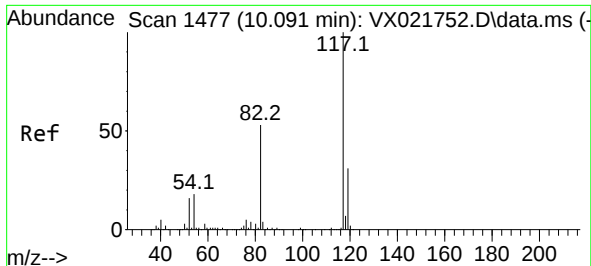
Tgt Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
58 45.3 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 46.64 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.000 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

Tgt Ion: 95 Resp: 116122
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 78.5 0.0 155.8

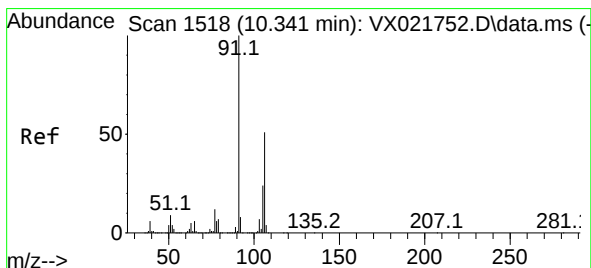
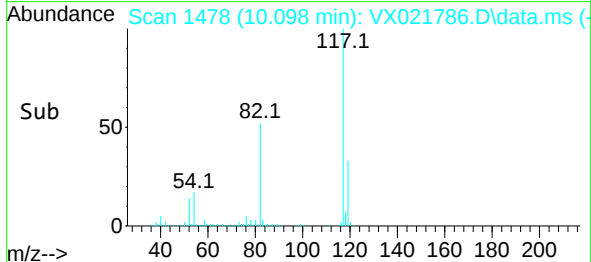
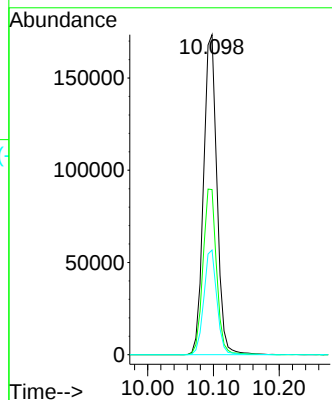
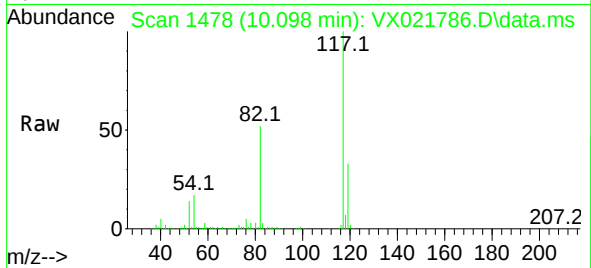




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.007 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

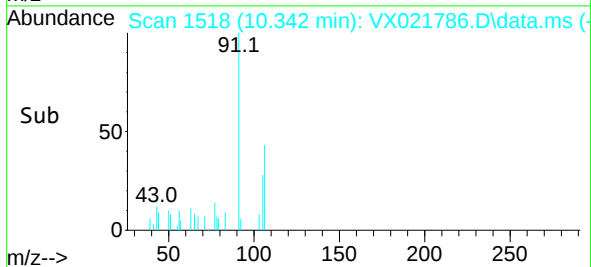
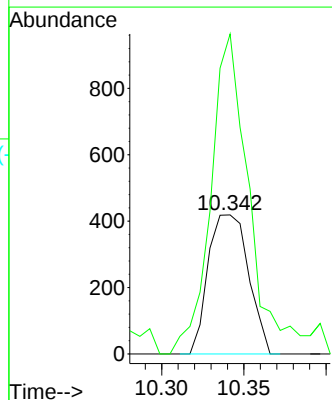
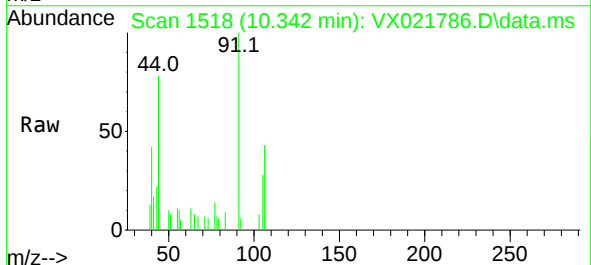
Instrument :
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ClientSampleId :
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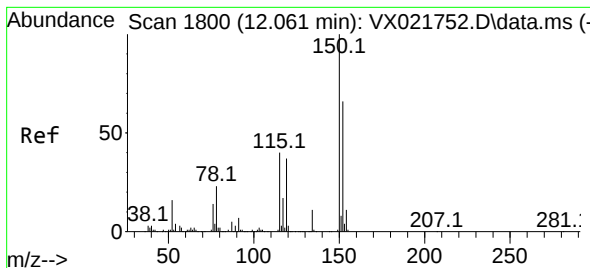
Tgt Ion:117 Resp: 245451
Ion Ratio Lower Upper
117 100
82 51.6 47.4 71.2
119 32.7 26.6 39.8



#68
m/p-Xylenes
Concen: 0.21 ug/l
RT: 10.342 min Scan# 1518
Delta R.T. 0.001 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

Tgt Ion:106 Resp: 716
Ion Ratio Lower Upper
106 100
91 224.0 162.8 244.2

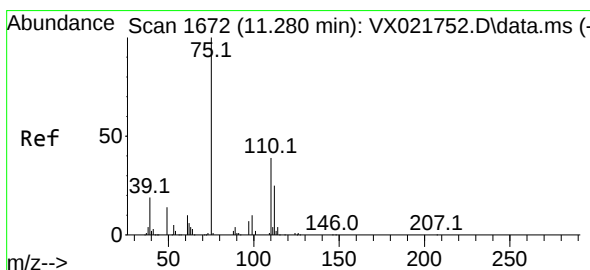
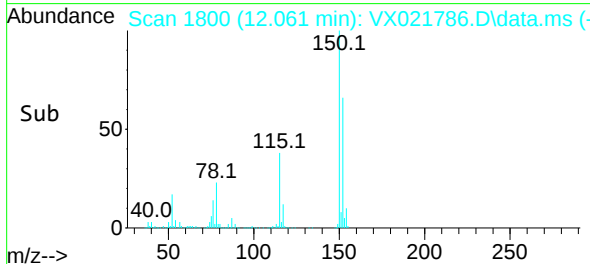
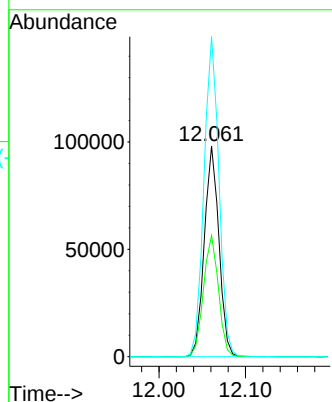
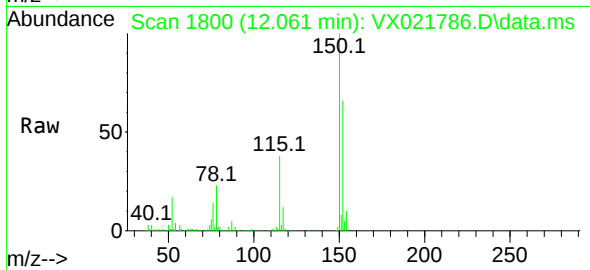




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX021786.D
 Acq: 21 Apr 2021 12:47

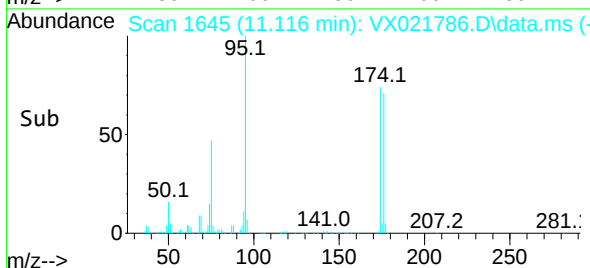
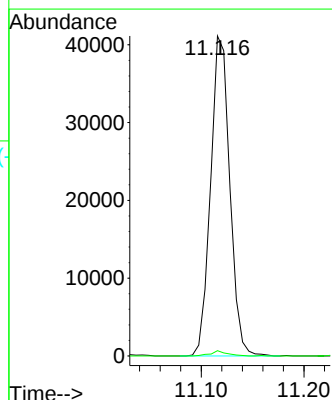
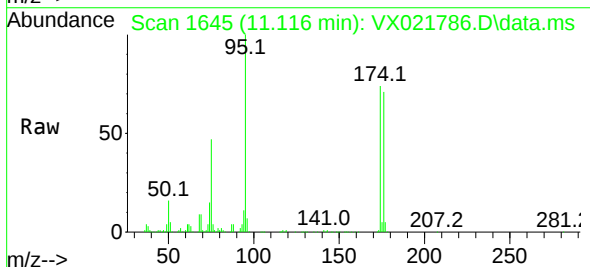
Instrument :
 MSVOA_X
 ClientSampled :
 31056

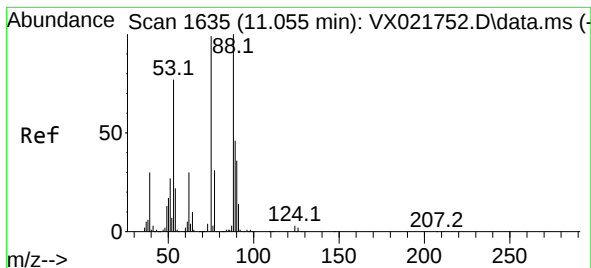
Tgt Ion:152 Resp: 115047
 Ion Ratio Lower Upper
 152 100
 115 59.0 41.1 123.3
 150 155.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 23.37 ug/l
 RT: 11.116 min Scan# 1645
 Delta R.T. -0.164 min
 Lab File: VX021786.D
 Acq: 21 Apr 2021 12:47

Tgt Ion: 75 Resp: 53311
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#

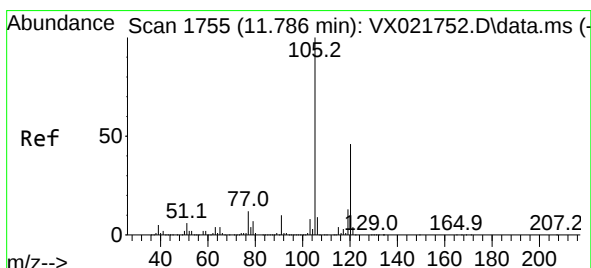
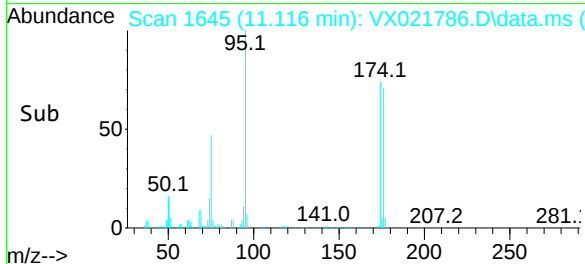
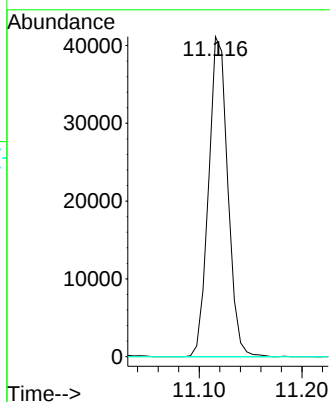
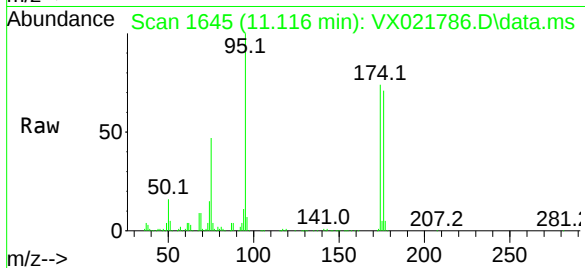




#81
trans-1,4-Dichloro-2-butene
Concen: 53.73 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

Instrument :
MSVOA_X
ClientSampled :
31056

Tgt Ion: 75 Resp: 53311
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.24 ug/l
RT: 11.793 min Scan# 1756
Delta R.T. 0.007 min
Lab File: VX021786.D
Acq: 21 Apr 2021 12:47

Tgt Ion: 105 Resp: 1633
Ion Ratio Lower Upper
105 100
120 25.2 22.4 67.3

