

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020280.D
 Acq On : 22 Dec 2020 03:43
 Operator : JC/MD
 Sample : PB133709ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 22 05:18:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

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

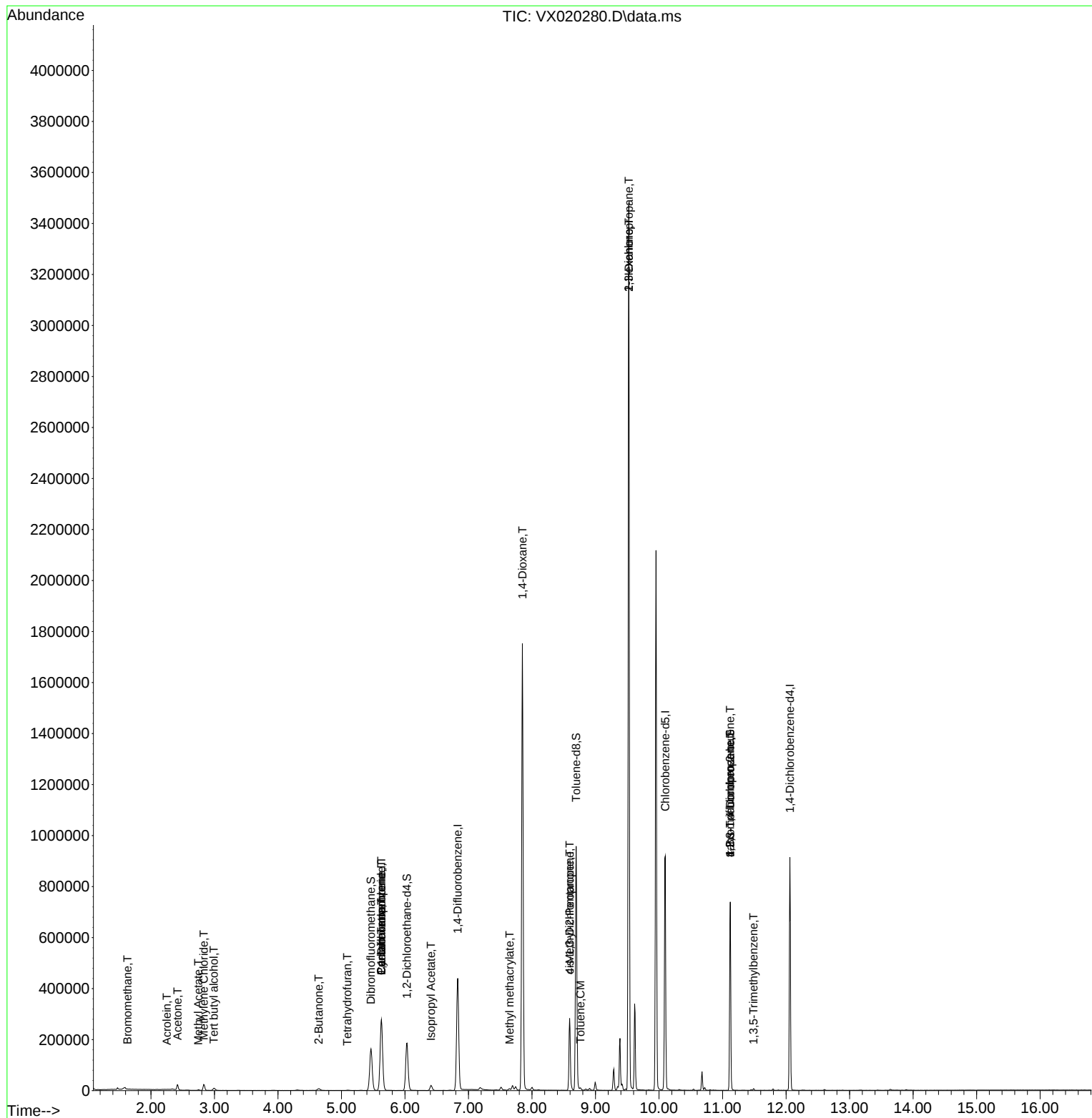
Internal Standards						
1) Pentafluorobenzene	5.629	168	258218	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	441169	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	428293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	182116	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	177898	51.40	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.80%	
35) Dibromofluoromethane	5.465	113	141988	50.31	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.62%	
50) Toluene-d8	8.696	98	563546	51.88	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.76%	
62) 4-Bromofluorobenzene	11.122	95	198158	47.66	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 95.32%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	446	0.39	ug/l #	74
11) Tert butyl alcohol	2.989	59	5959	7.69	ug/l #	82
13) Acrolein	2.252	56	106	0.22	ug/l #	1
16) Acetone	2.416	43	21542	13.65	ug/l	99
18) Methyl Acetate	2.745	43	3165	0.90	ug/l	91
20) Methylene Chloride	2.831	84	10767	3.03	ug/l	97
25) 2-Butanone	4.641	43	9927	4.32	ug/l #	87
29) Tetrahydrofuran	5.093	42	1201	0.83	ug/l #	60
31) Cyclohexane	5.629	56	5271	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	20594	4.72	ug/l #	48
38) Carbon Tetrachloride	5.629	117	26202	6.32	ug/l #	16
43) Isopropyl Acetate	6.409	43	24540	3.43	ug/l	99
48) Methyl methacrylate	7.647	41	7492	2.14	ug/l #	10
49) 1,4-Dioxane	7.848	88	331	4.03	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	90309	20.39	ug/l #	46
52) Toluene	8.763	92	2181	0.26	ug/l	97
54) cis-1,3-Dichloropropene	8.592	75	46063	8.53	ug/l #	62
57) 1,3-Dichloropropane	9.525	76	29913	5.14	ug/l #	43
59) 2-Hexanone	9.525	43	363537	107.72	ug/l #	46
76) 1,2,3-Trichloropropane	11.122	75	95792	21.35	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	2846	0.26	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.122	75	95792	63.35	ug/l #	12

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

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Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration

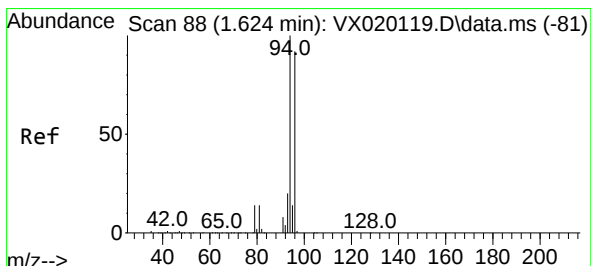
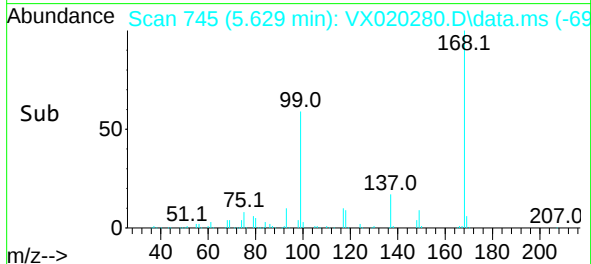
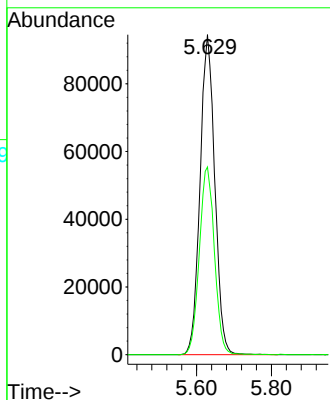
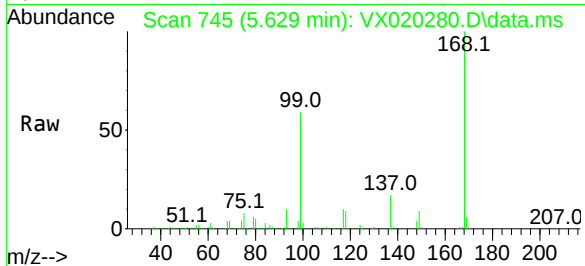




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

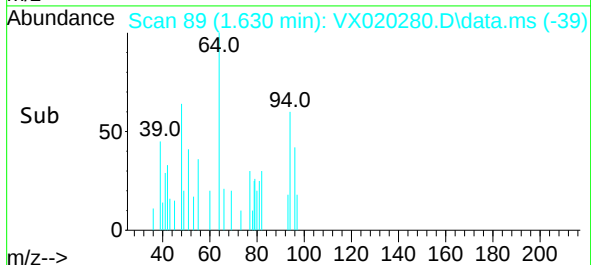
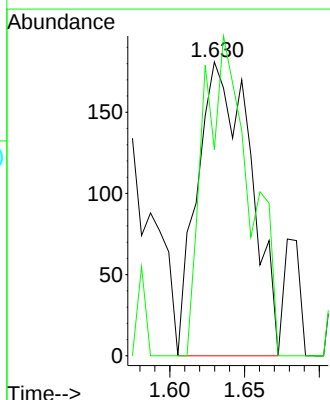
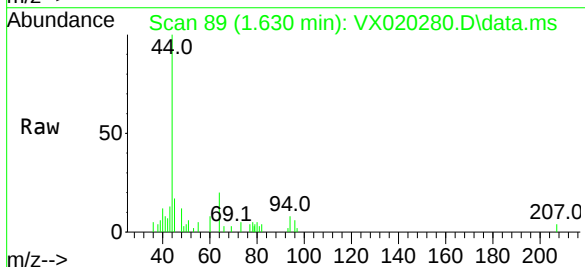
Instrument :
MSVOA_X
ClientSampleId :

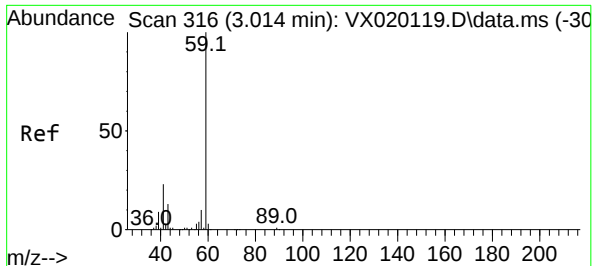
Tgt Ion:168 Resp: 258218
Ion Ratio Lower Upper
168 100
99 58.6 45.8 68.6



#5
Bromomethane
Concen: 0.39 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

Tgt Ion: 94 Resp: 446
Ion Ratio Lower Upper
94 100
96 70.2 76.4 114.6#

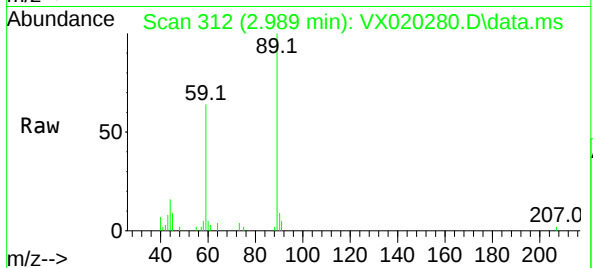




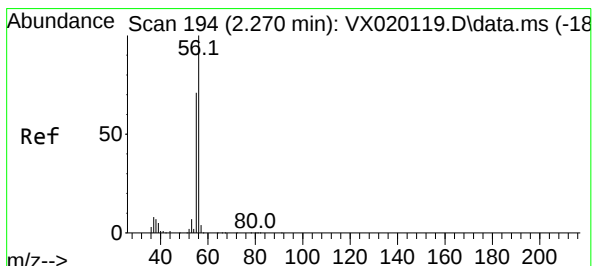
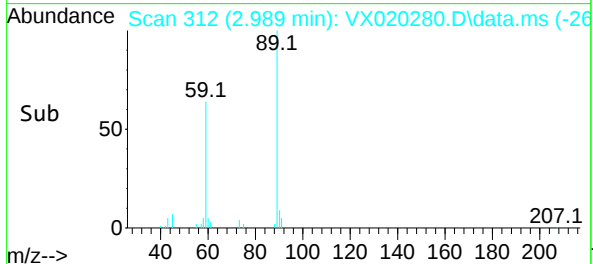
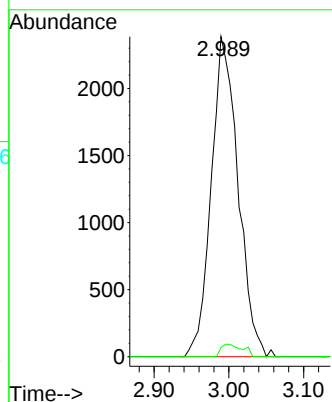
#11

Tert butyl alcohol
Concen: 7.69 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

Instrument :
MSVOA_X
ClientSampled :



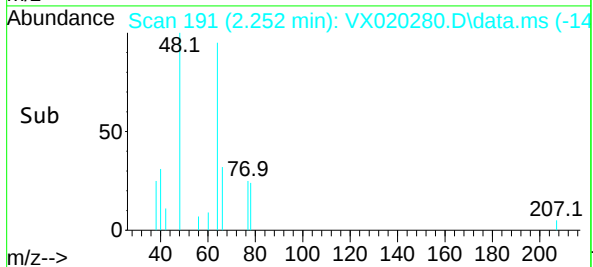
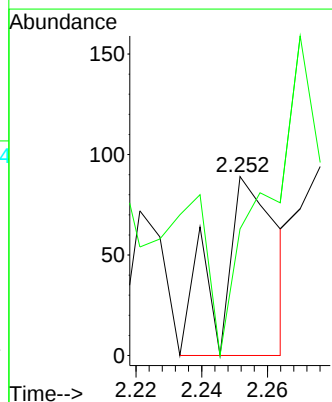
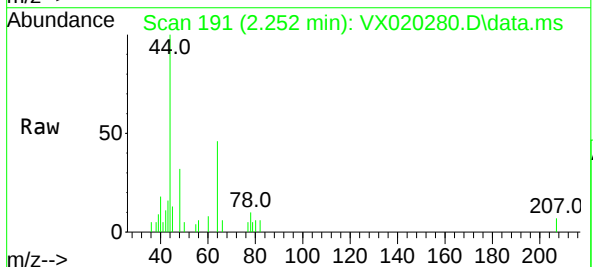
Tgt Ion: 59 Resp: 5959
Ion Ratio Lower Upper
59 100
57 3.1 7.8 11.8#

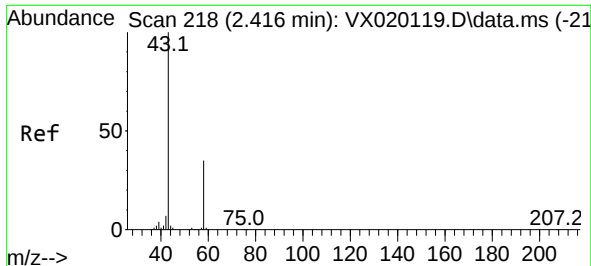


#13

Acrolein
Concen: 0.22 ug/l
RT: 2.252 min Scan# 191
Delta R.T. -0.018 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 207.5 56.4 84.6#

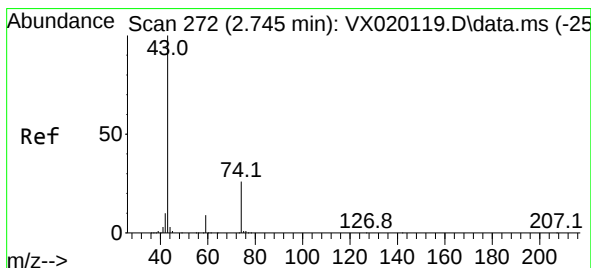
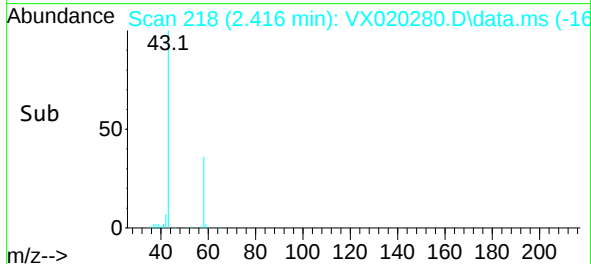
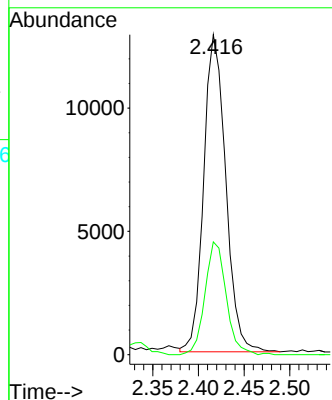
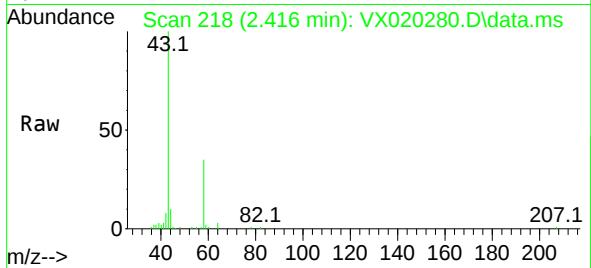




#16
Acetone
Concen: 13.65 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

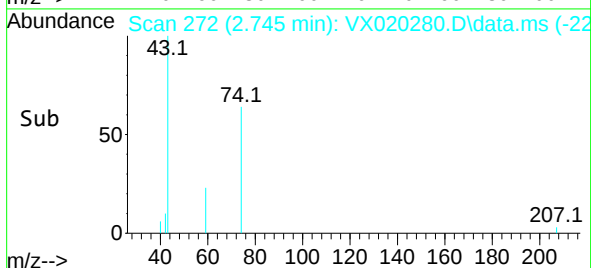
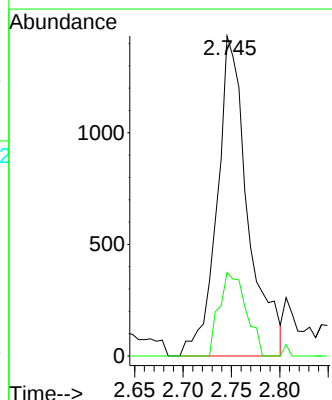
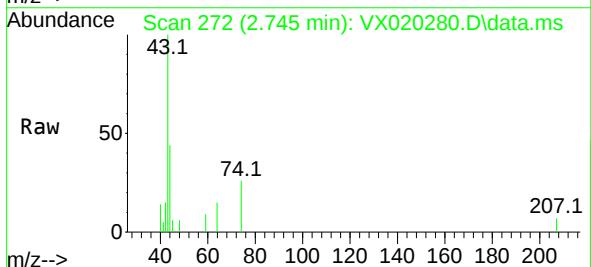
Instrument :
MSVOA_X
ClientSampled :

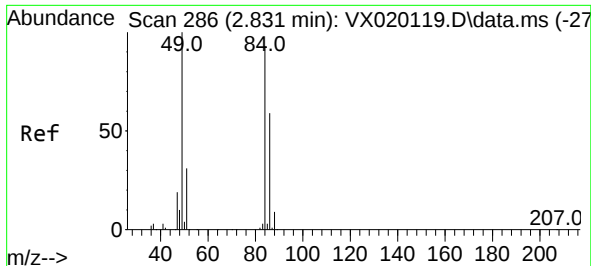
Tgt Ion: 43 Resp: 21542
Ion Ratio Lower Upper
43 100
58 35.6 27.8 41.8



#18
Methyl Acetate
Concen: 0.90 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

Tgt Ion: 43 Resp: 3165
Ion Ratio Lower Upper
43 100
74 22.7 21.9 32.9





#20

Methylene Chloride

Concen: 3.03 ug/l

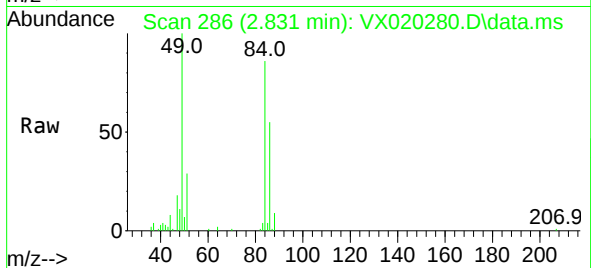
RT: 2.831 min Scan# 286

Delta R.T. -0.000 min

Lab File: VX020280.D

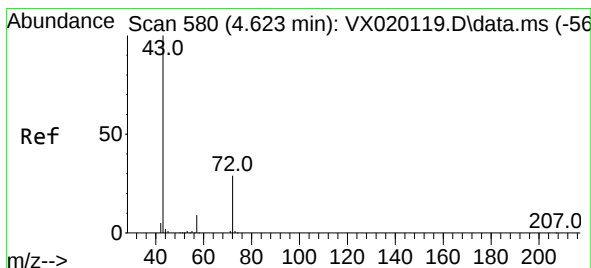
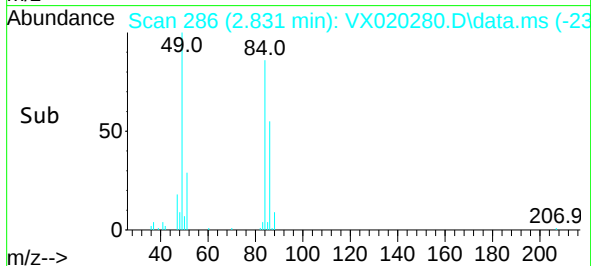
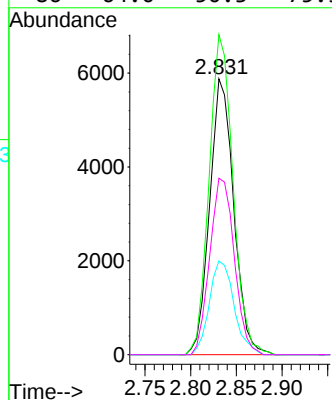
Acq: 22 Dec 2020 03:43

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 10767

Ion	Ratio	Lower	Upper
84	100		
49	116.0	88.6	132.8
51	34.0	27.0	40.6
86	64.0	50.3	75.5



#25

2-Butanone

Concen: 4.32 ug/l

RT: 4.641 min Scan# 583

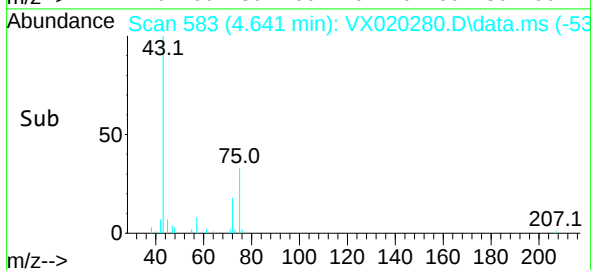
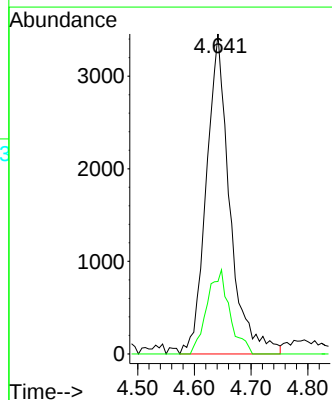
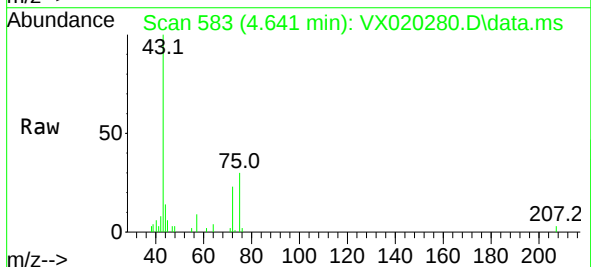
Delta R.T. 0.018 min

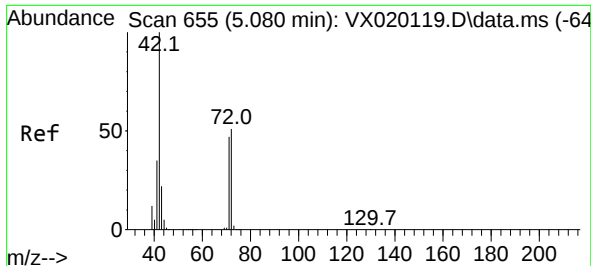
Lab File: VX020280.D

Acq: 22 Dec 2020 03:43

Tgt Ion: 43 Resp: 9927

Ion	Ratio	Lower	Upper
43	100		
72	22.7	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.83 ug/l

RT: 5.093 min Scan# 657

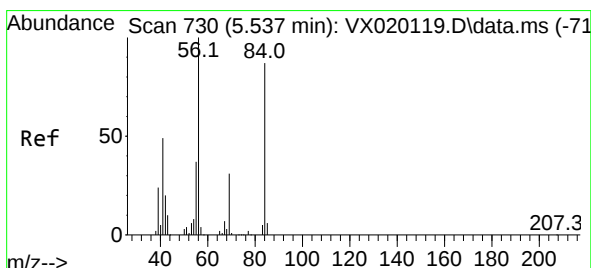
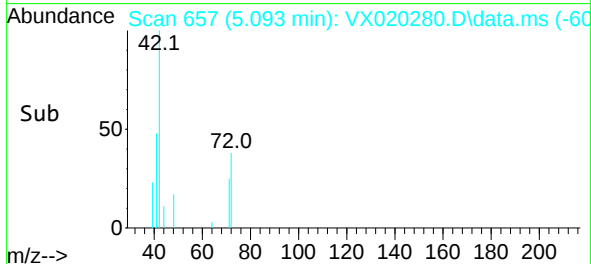
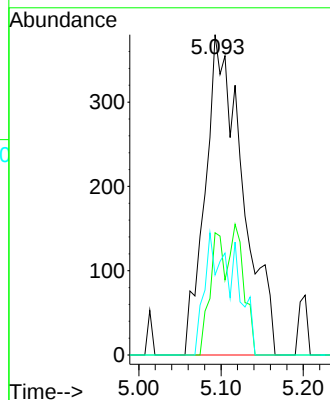
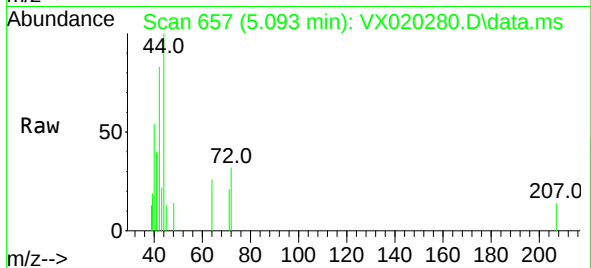
Delta R.T. 0.013 min

Lab File: VX020280.D

Acq: 22 Dec 2020 03:43

Tgt Ion:	42	Resp:	1201
Ion	Ratio	Lower	Upper
42	100		
72	15.1	41.7	62.5#
71	30.4	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.10 ug/l

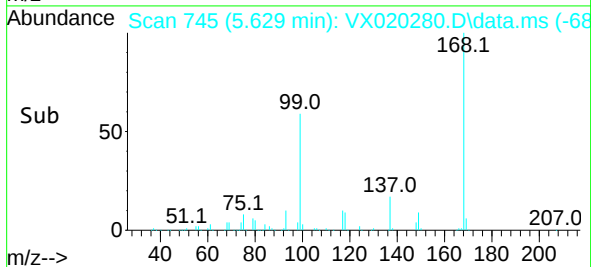
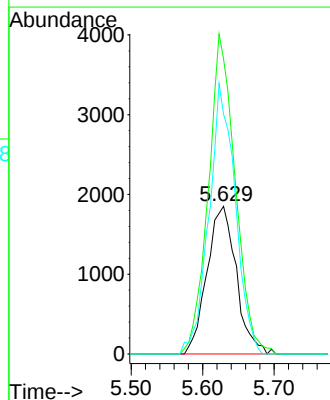
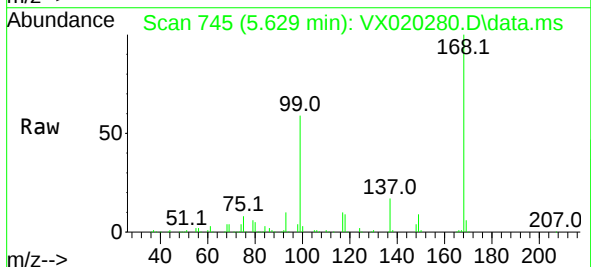
RT: 5.629 min Scan# 745

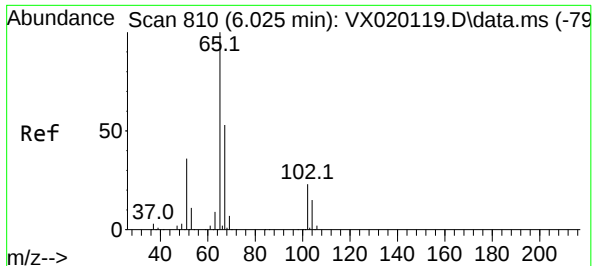
Delta R.T. 0.092 min

Lab File: VX020280.D

Acq: 22 Dec 2020 03:43

Tgt Ion:	56	Resp:	5271
Ion	Ratio	Lower	Upper
56	100		
69	199.7	25.3	37.9#
84	162.4	71.4	107.0#

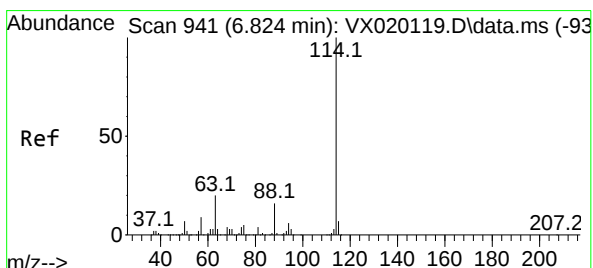
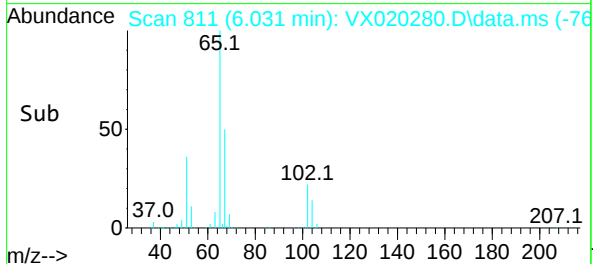
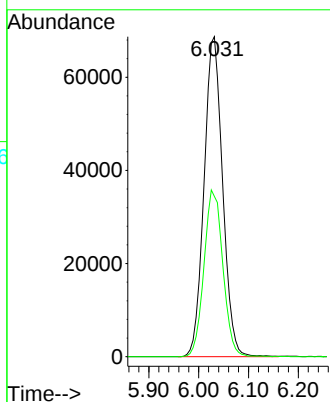
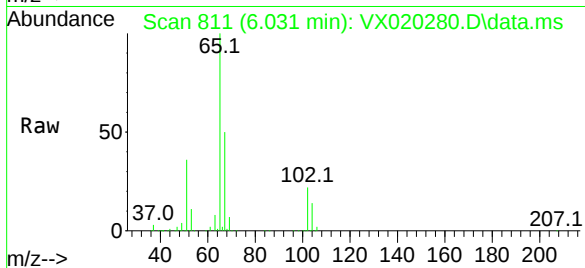




#33
1,2-Dichloroethane-d4
Concen: 51.40 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

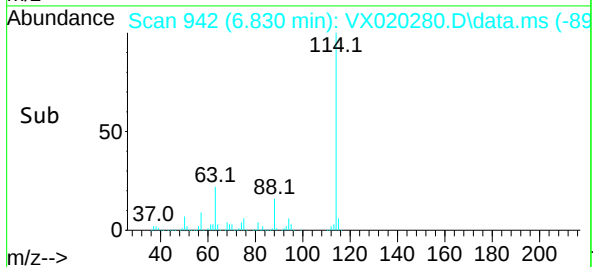
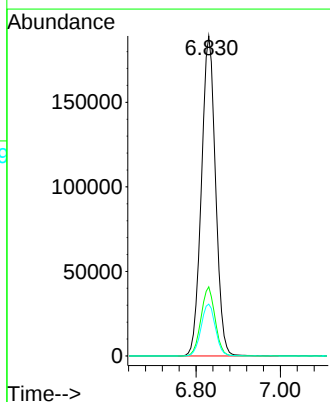
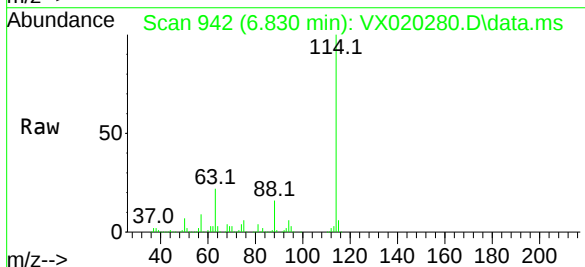
Instrument :
MSVOA_X
ClientSampled :

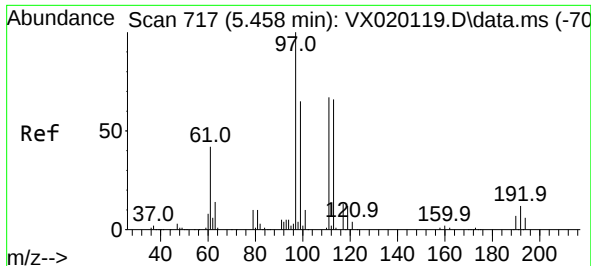
Tgt Ion: 65 Resp: 177898
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

Tgt Ion: 114 Resp: 441169
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.8
88 16.2 0.0 32.8

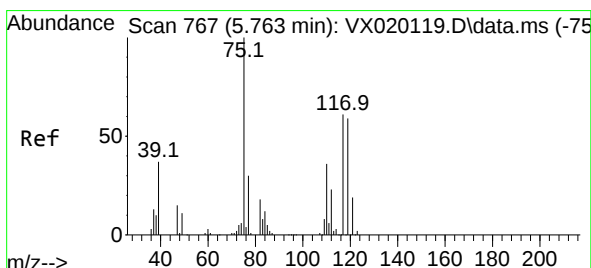
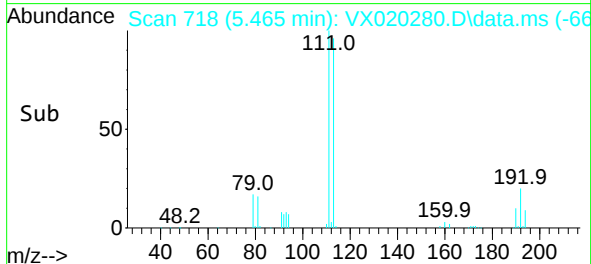
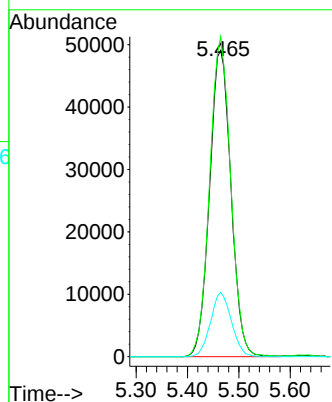
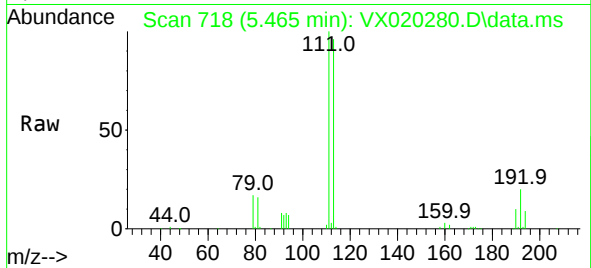




#35
Dibromofluoromethane
Concen: 50.31 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

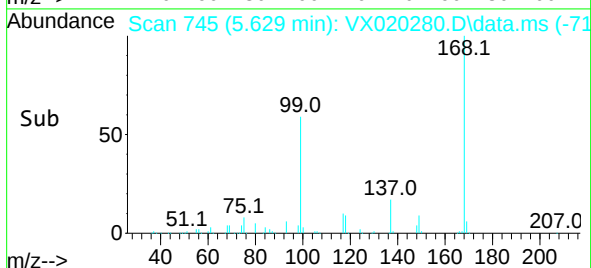
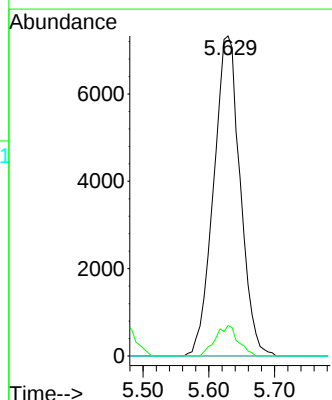
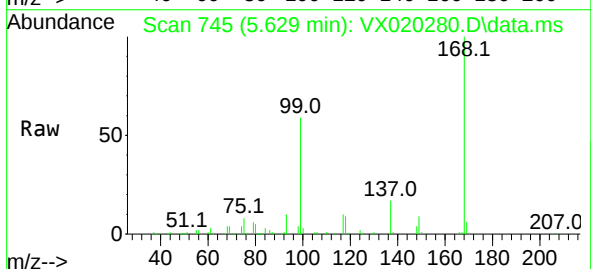
Instrument :
MSVOA_X
ClientSampleId :

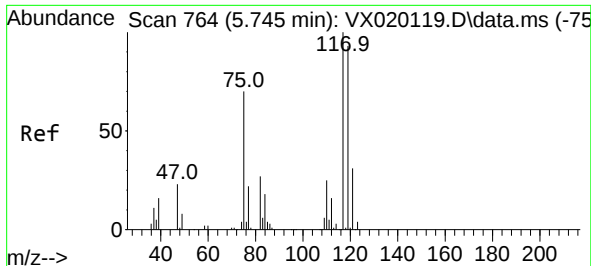
Tgt Ion:113 Resp: 141988
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 20.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

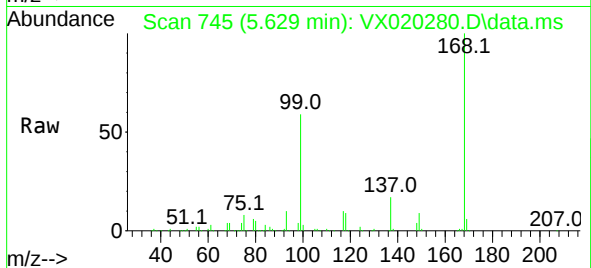
Tgt Ion: 75 Resp: 20594
Ion Ratio Lower Upper
75 100
110 8.1 18.1 54.4#
77 0.0 25.3 37.9#



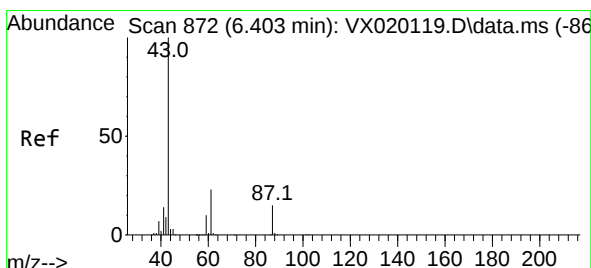
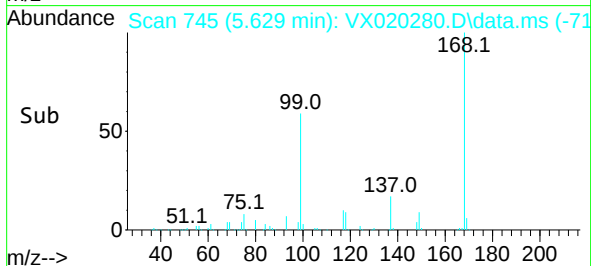
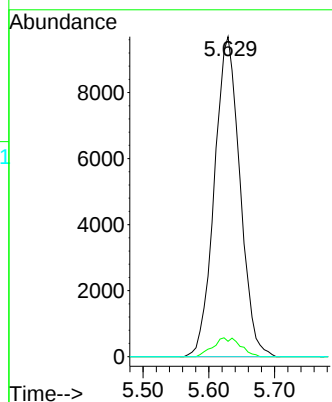


#38
Carbon Tetrachloride
Concen: 6.32 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

Instrument :
MSVOA_X
ClientSampleId :

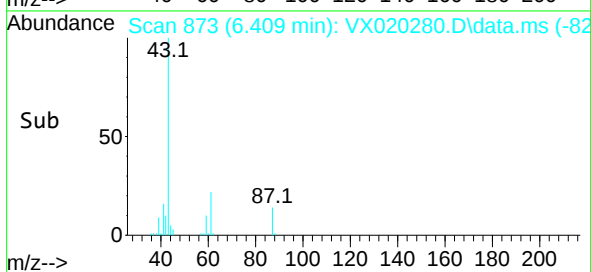
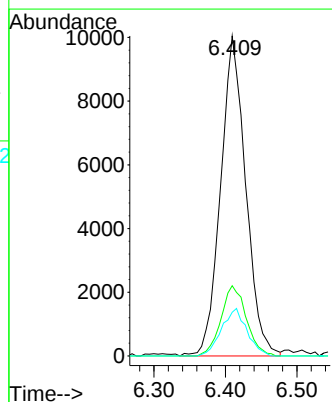
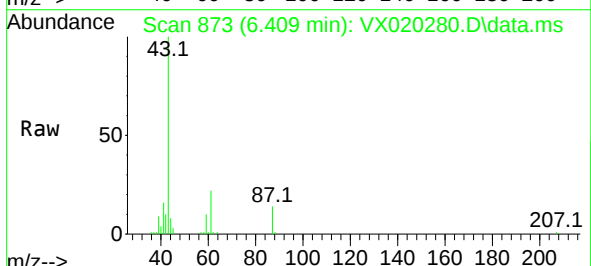


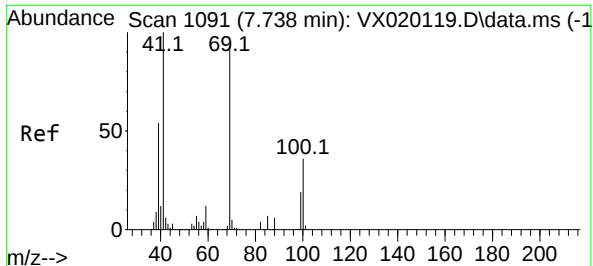
Tgt Ion:117 Resp: 26202
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.43 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

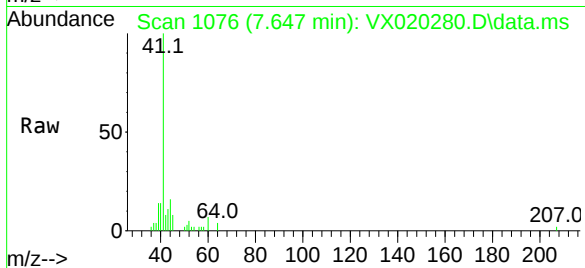
Tgt Ion: 43 Resp: 24540
Ion Ratio Lower Upper
43 100
61 22.1 18.2 27.4
87 15.0 12.5 18.7



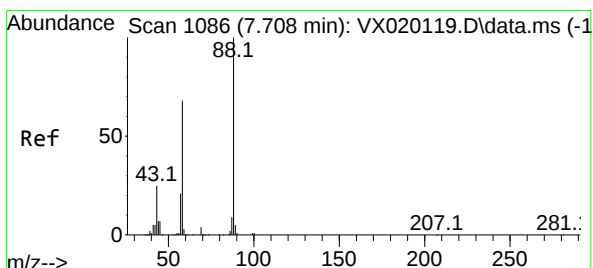
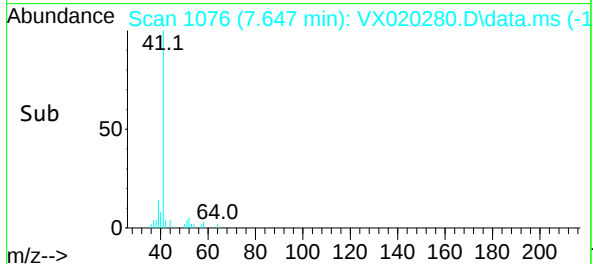
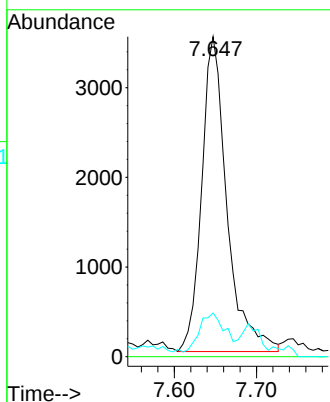


#48
Methyl methacrylate
Concen: 2.14 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.091 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

Instrument :
MSVOA_X
ClientSampleId :

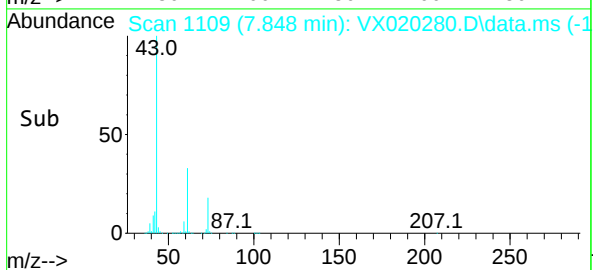
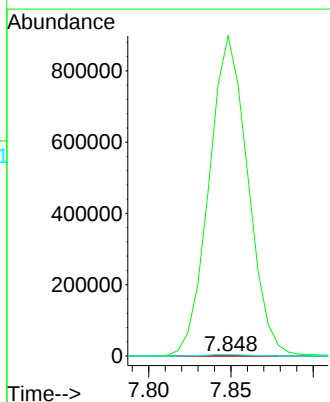
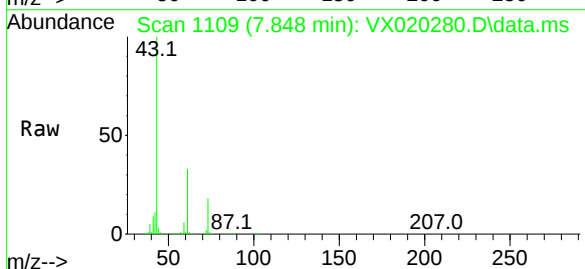


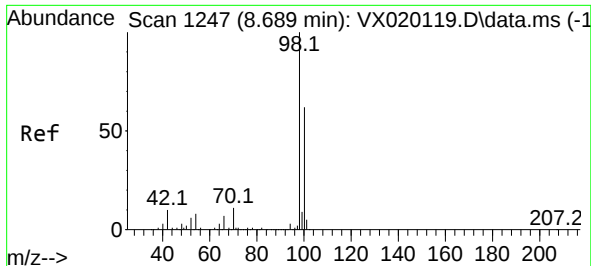
Tgt Ion: 41 Resp: 7492
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 4.03 ug/l
RT: 7.848 min Scan# 1109
Delta R.T. 0.140 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

Tgt Ion: 88 Resp: 331
Ion Ratio Lower Upper
88 100
43 447755.9 23.2 34.8#
58 2480.4 55.0 82.4#

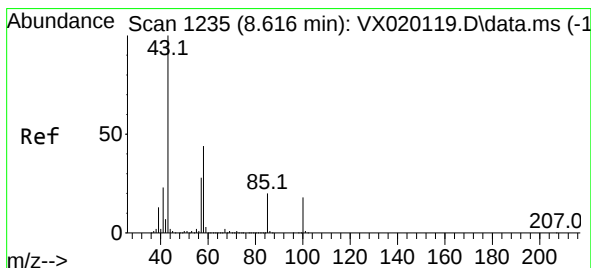
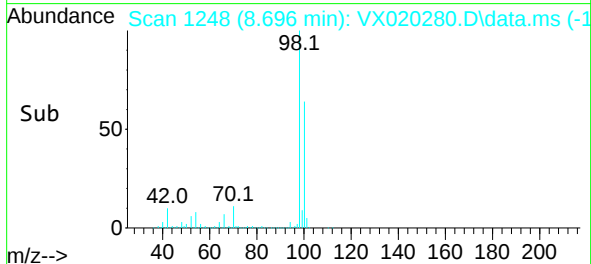
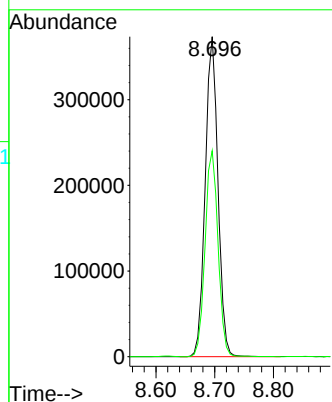
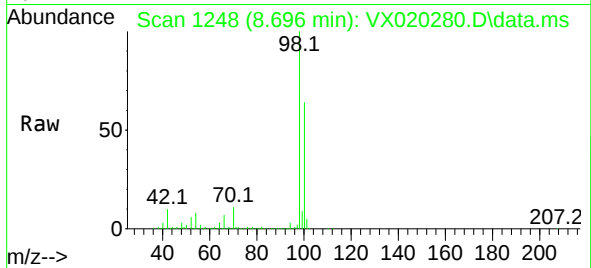




#50
Toluene-d8
Concen: 51.88 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

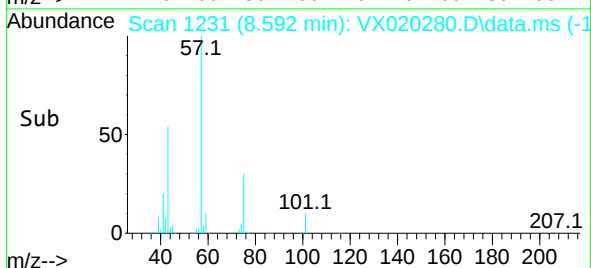
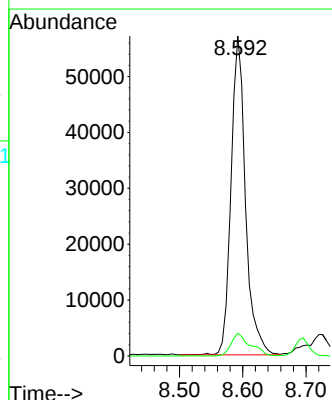
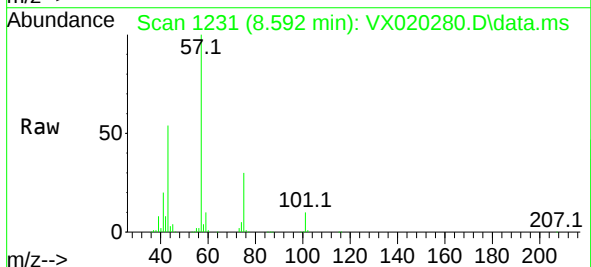
Instrument :
MSVOA_X
ClientSampleId :

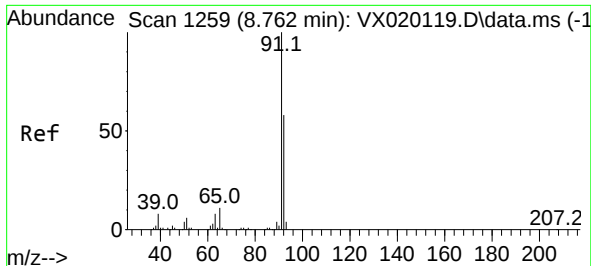
Tgt Ion: 98 Resp: 563546
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.39 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

Tgt Ion: 43 Resp: 90309
Ion Ratio Lower Upper
43 100
58 9.5 35.4 53.0#

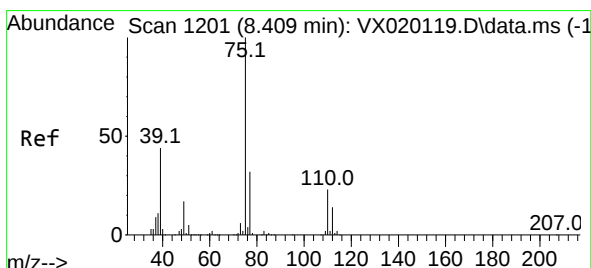
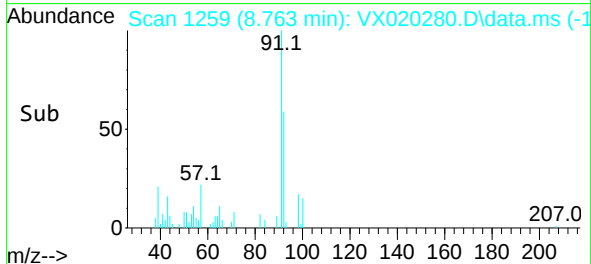
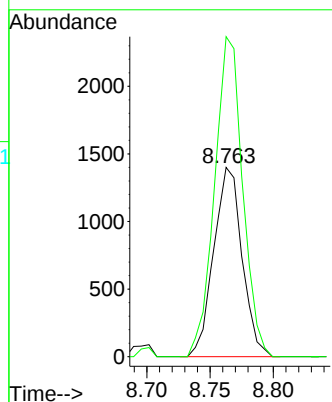
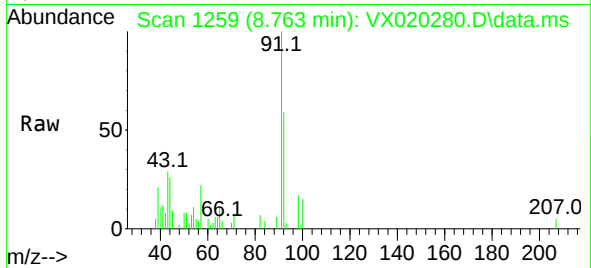




#52
Toluene
Concen: 0.26 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

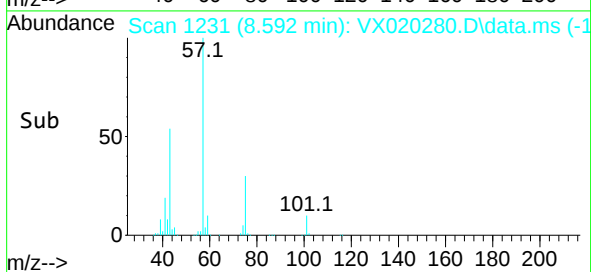
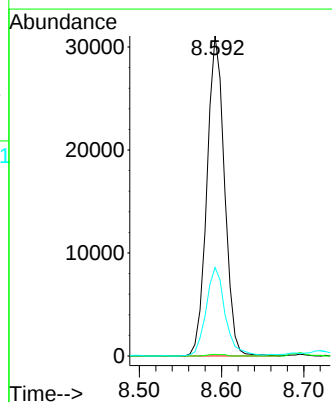
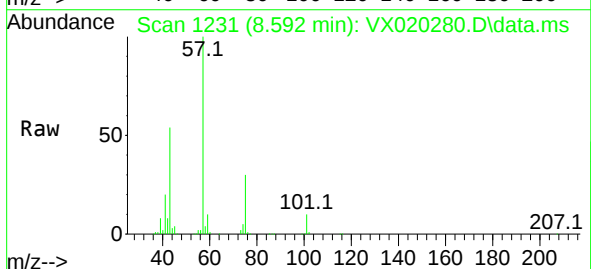
Instrument :
MSVOA_X
ClientSampled :

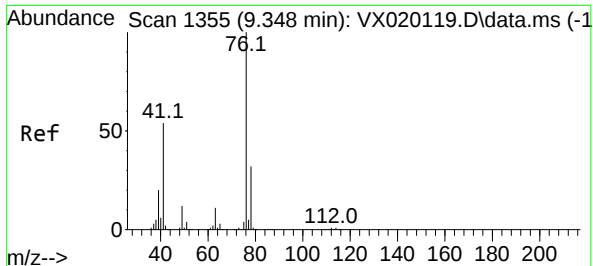
Tgt Ion: 92 Resp: 2181
Ion Ratio Lower Upper
92 100
91 167.4 137.1 205.7



#54
cis-1,3-Dichloropropene
Concen: 8.53 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

Tgt Ion: 75 Resp: 46063
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 27.6 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 5.14 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.177 min

Lab File: VX020280.D

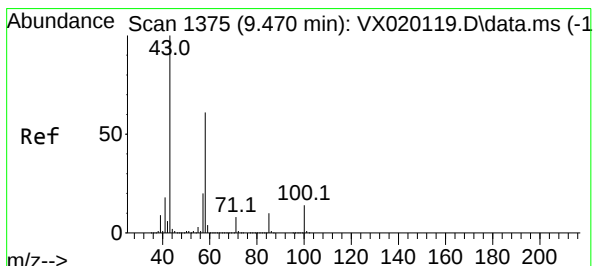
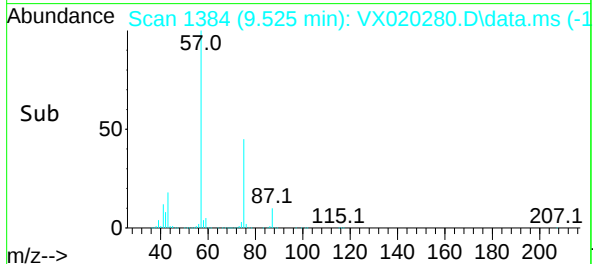
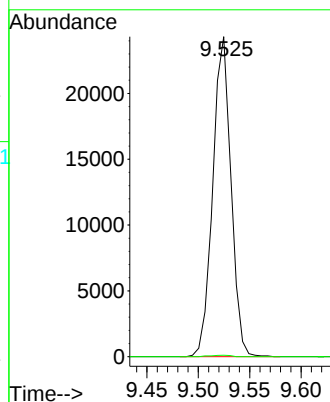
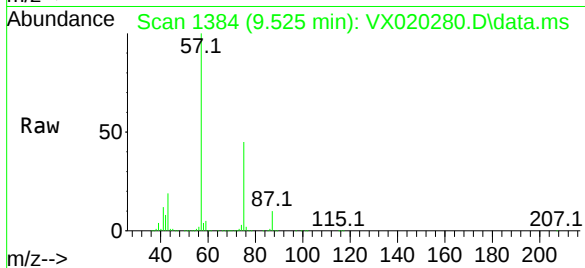
Acq: 22 Dec 2020 03:43

Tgt Ion: 76 Resp: 29913

Ion Ratio Lower Upper

76 100

78 0.5 26.2 39.2#



#59

2-Hexanone

Concen: 107.72 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.055 min

Lab File: VX020280.D

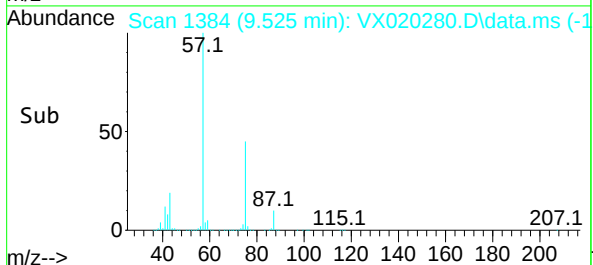
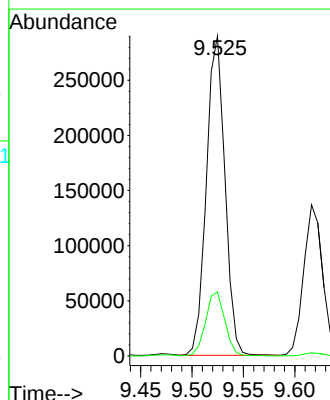
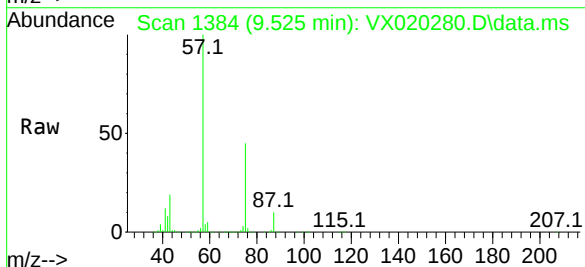
Acq: 22 Dec 2020 03:43

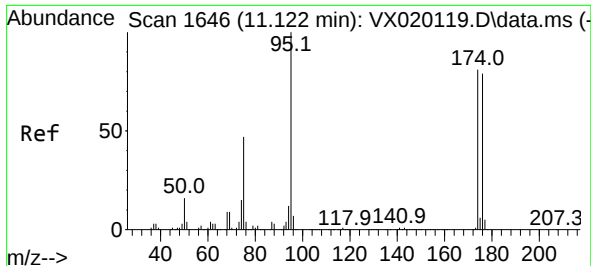
Tgt Ion: 43 Resp: 363537

Ion Ratio Lower Upper

43 100

58 20.7 30.9 92.8#

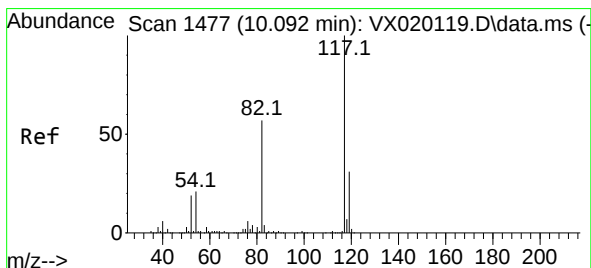
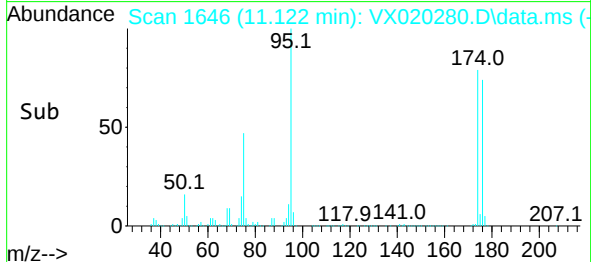
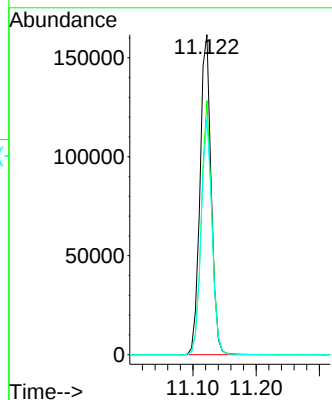
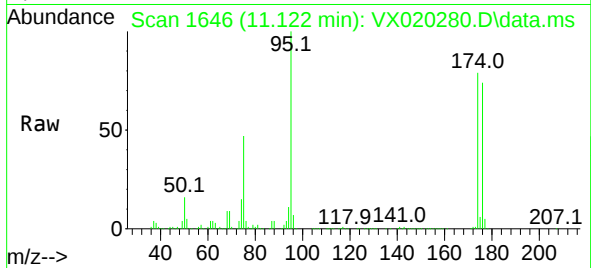




#62
4-Bromofluorobenzene
Concen: 47.66 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

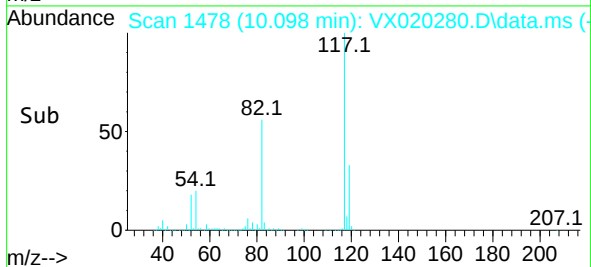
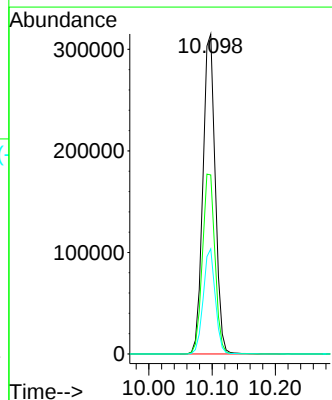
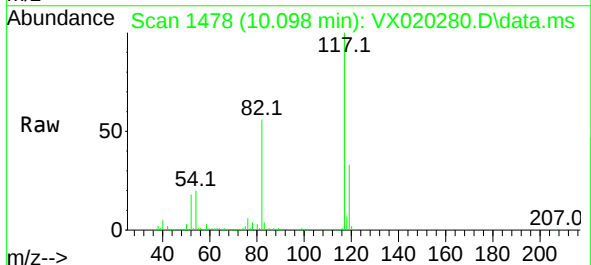
Instrument :
MSVOA_X
ClientSampled :

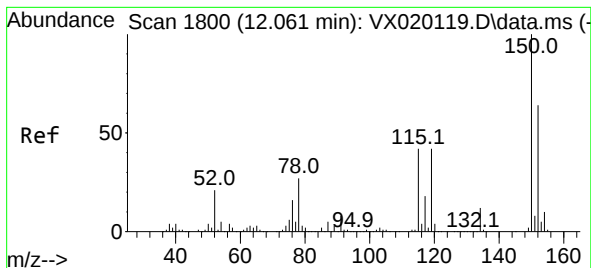
Tgt Ion: 95 Resp: 198158
Ion Ratio Lower Upper
95 100
174 75.6 0.0 154.6
176 72.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

Tgt Ion: 117 Resp: 428293
Ion Ratio Lower Upper
117 100
82 56.0 47.4 71.2
119 32.8 26.6 39.8

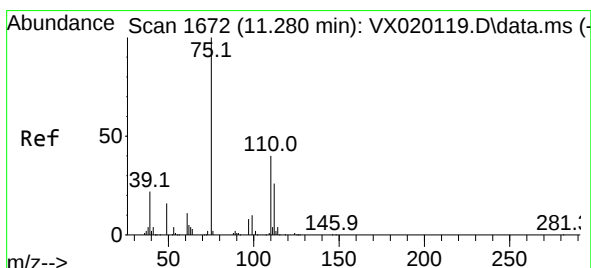
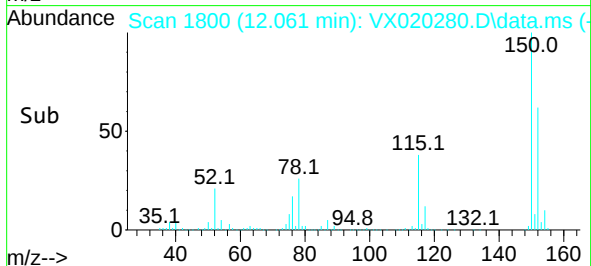
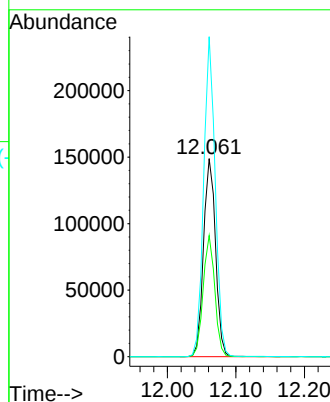
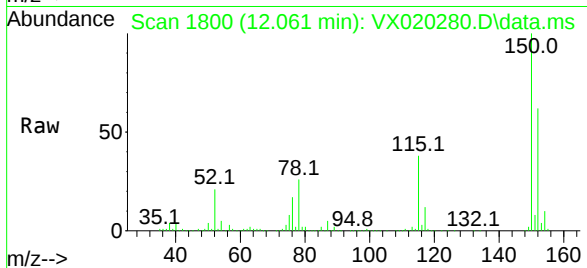




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX020280.D
 Acq: 22 Dec 2020 03:43

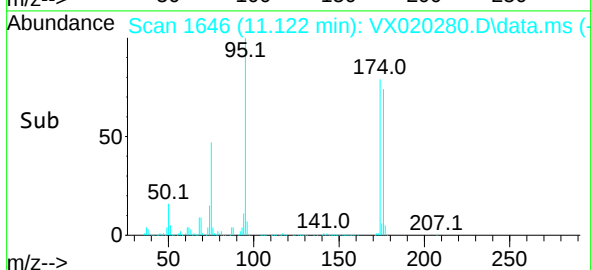
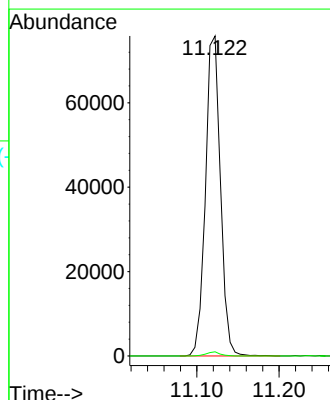
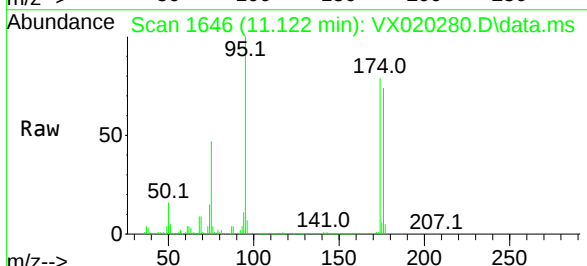
Instrument :
 MSVOA_X
 ClientSampled :

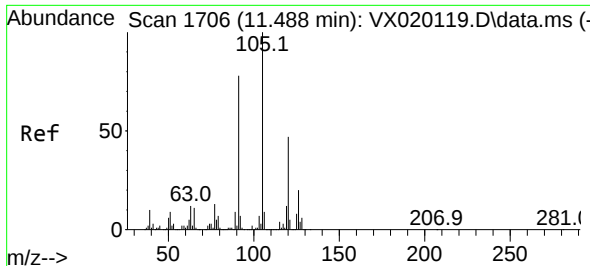
Tgt Ion:152 Resp: 182116
 Ion Ratio Lower Upper
 152 100
 115 59.3 41.1 123.3
 150 155.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.35 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.158 min
 Lab File: VX020280.D
 Acq: 22 Dec 2020 03:43

Tgt Ion: 75 Resp: 95792
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

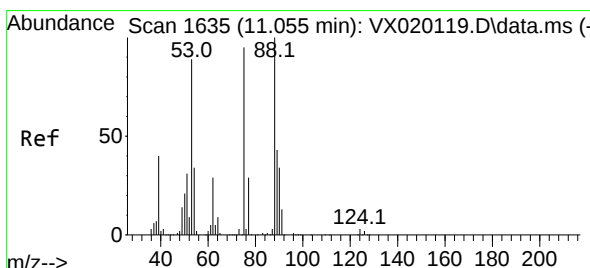
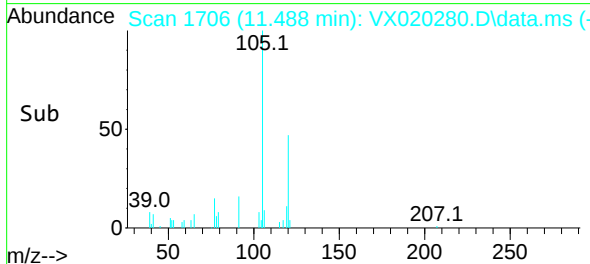
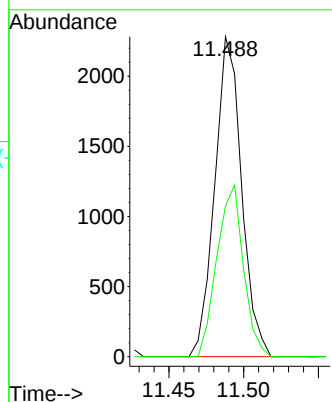
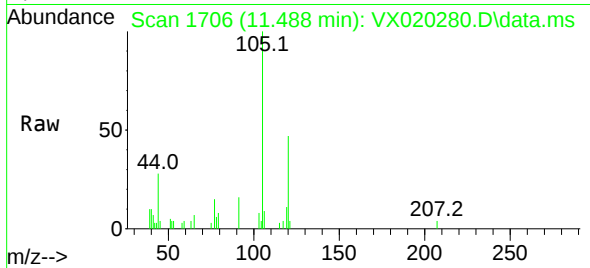




#80
1,3,5-Trimethylbenzene
Concen: 0.26 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 2846
Ion Ratio Lower Upper
105 100
120 52.8 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 63.35 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020280.D
Acq: 22 Dec 2020 03:43

Tgt Ion: 75 Resp: 95792
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#

