

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122920\
 Data File : VX020427.D
 Acq On : 29 Dec 2020 12:25
 Operator : JC/MD
 Sample : L5236-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1026-TB122820

Quant Time: Dec 30 02:35:34 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)

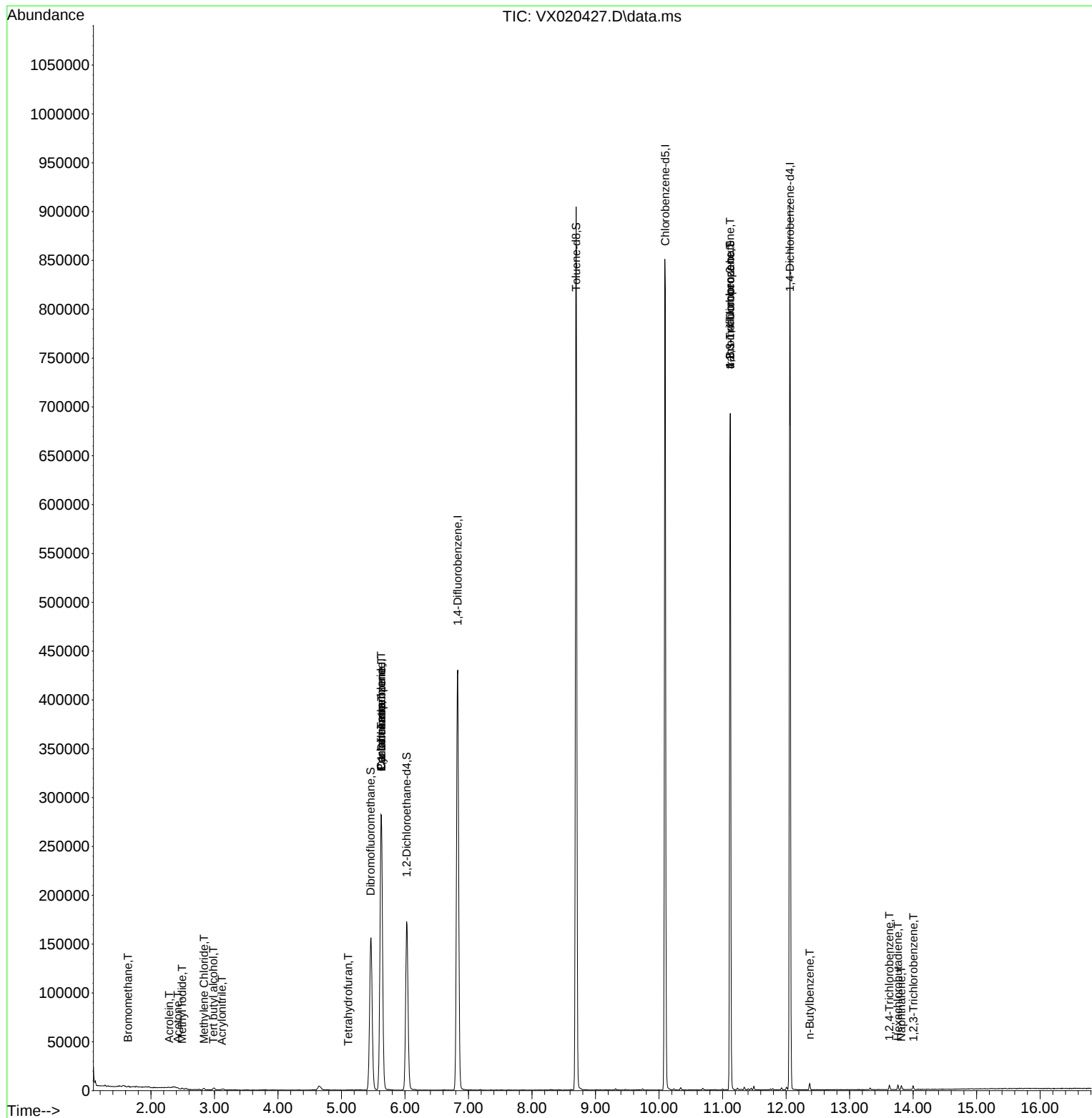
Internal Standards						
1) Pentafluorobenzene	5.629	168	280561	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	452236	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	410268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	186844	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	161872	43.04	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	86.08%
35) Dibromofluoromethane	5.458	113	137749	47.62	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.24%
50) Toluene-d8	8.696	98	543219	48.78	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.56%
62) 4-Bromofluorobenzene	11.122	95	197935	46.44	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.88%
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	436	0.35	ug/l	97
10) Methyl Iodide	2.489	142	1191	3.58	ug/l #	97
11) Tert butyl alcohol	2.983	59	1405	1.67	ug/l #	73
13) Acrolein	2.288	56	329	0.63	ug/l	93
15) Acrylonitrile	3.117	53	549	0.28	ug/l #	88
16) Acetone	2.422	43	1482	0.86	ug/l #	82
20) Methylene Chloride	2.837	84	789	0.20	ug/l	87
29) Tetrahydrofuran	5.105	42	319	0.20	ug/l #	33
31) Cyclohexane	5.629	56	5020	0.97	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	20162	4.51	ug/l #	48
38) Carbon Tetrachloride	5.623	117	26271	6.18	ug/l #	17
76) 1,2,3-Trichloropropane	11.122	75	91926	19.97	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	91926	59.26	ug/l #	12
89) n-Butylbenzene	12.372	91	2172	0.21	ug/l	96
93) 1,2,4-Trichlorobenzene	13.628	180	1219	0.30	ug/l	92
94) Hexachlorobutadiene	13.762	225	731	3.05	ug/l	95
95) Naphthalene	13.817	128	2687	0.21	ug/l	98
96) 1,2,3-Trichlorobenzene	14.006	180	1141	0.28	ug/l	98

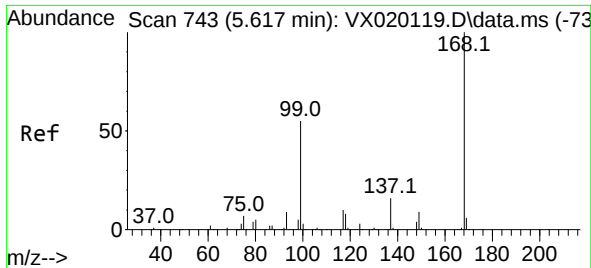
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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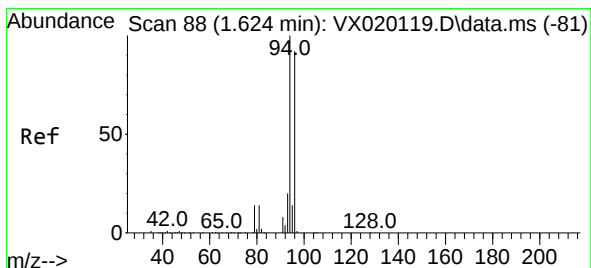
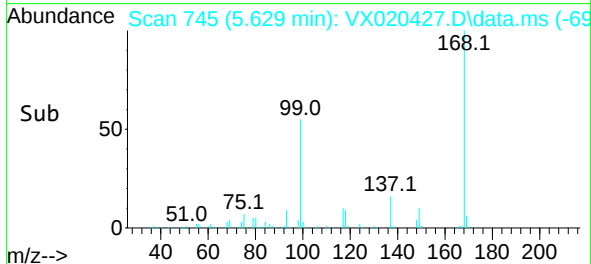
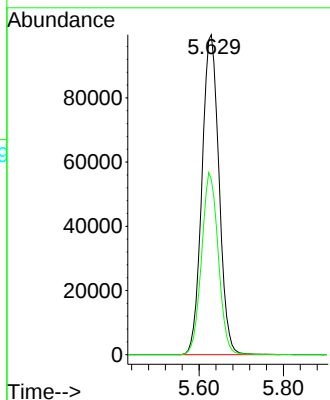
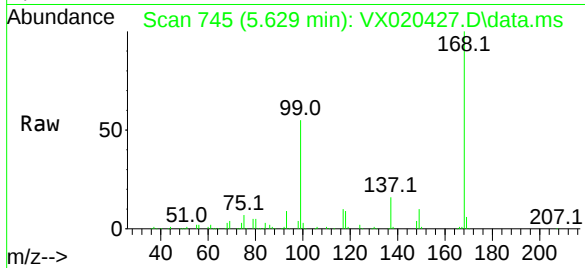




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

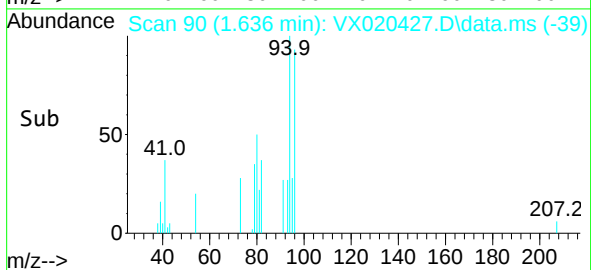
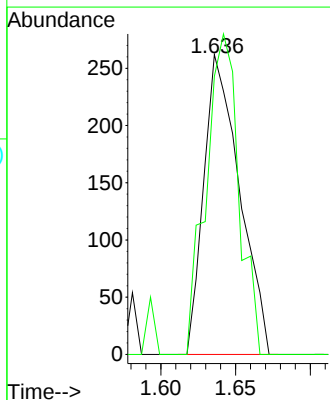
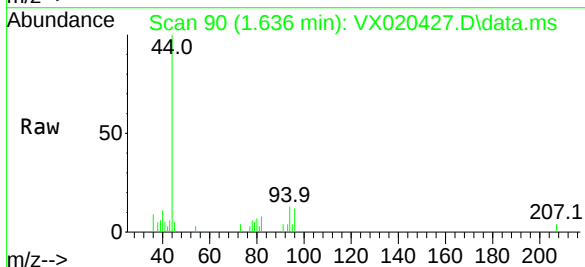
Instrument :
MSVOA_X
ClientSampleId :
1026-TB122820

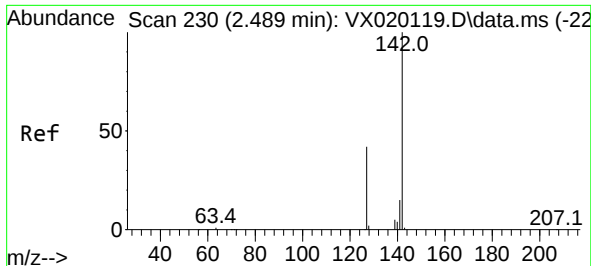
Tgt Ion:168 Resp: 280561
Ion Ratio Lower Upper
168 100
99 54.7 45.8 68.6



#5
Bromomethane
Concen: 0.35 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

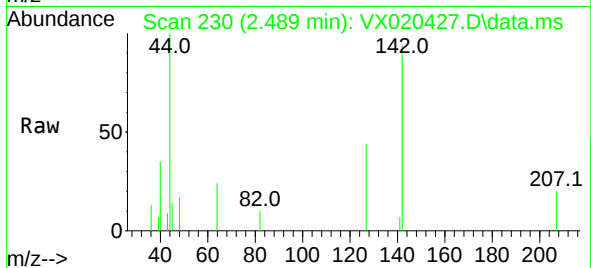
Tgt Ion: 94 Resp: 436
Ion Ratio Lower Upper
94 100
96 92.7 76.4 114.6



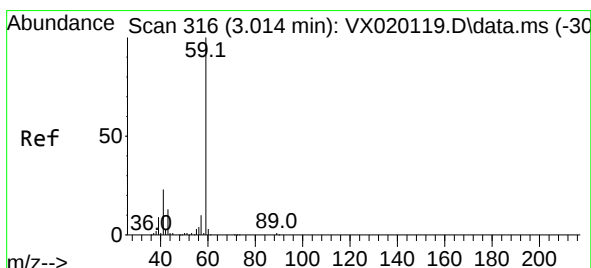
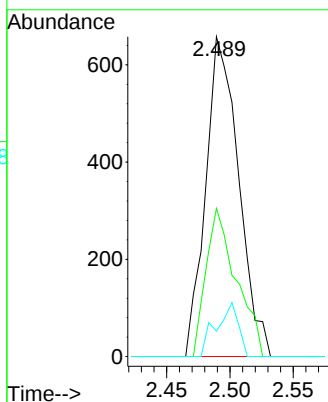
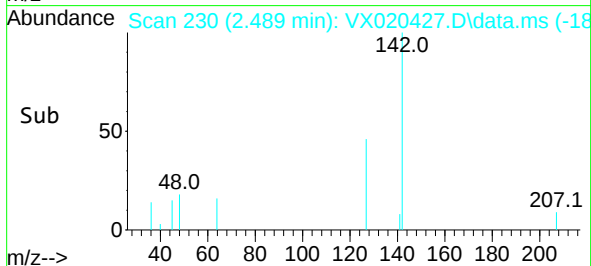


#10
Methyl Iodide
Concen: 3.58 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

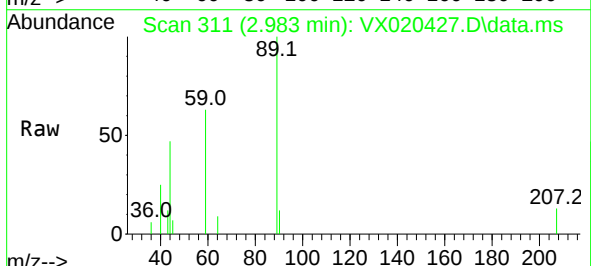
Instrument :
MSVOA_X
ClientSampleId :
1026-TB122820



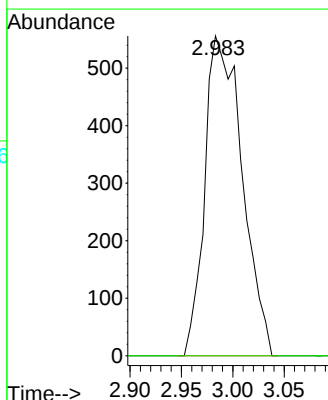
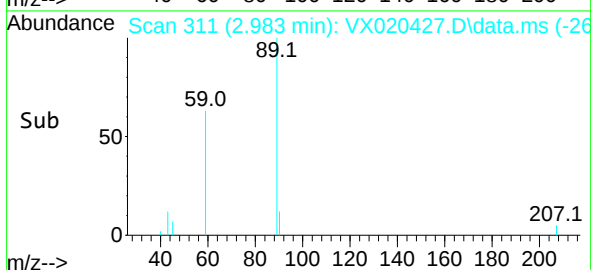
Tgt Ion:	142	Resp:	1191
Ion	Ratio	Lower	Upper
142	100		
127	42.7	33.3	49.9
141	11.3	11.4	17.0#

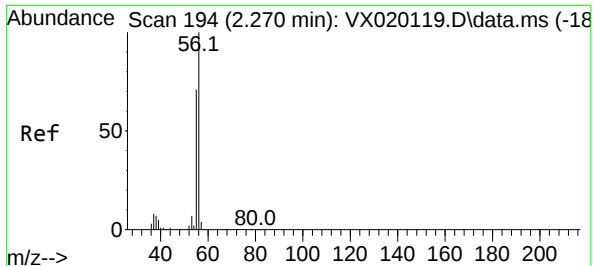


#11
Tert butyl alcohol
Concen: 1.67 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.031 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25



Tgt Ion:	59	Resp:	1405
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

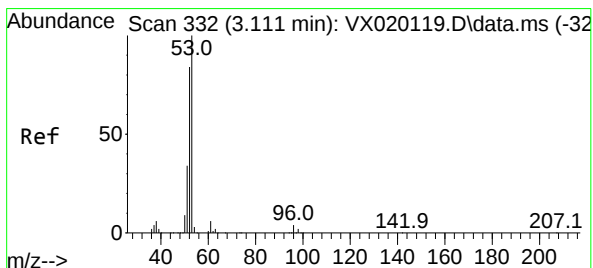
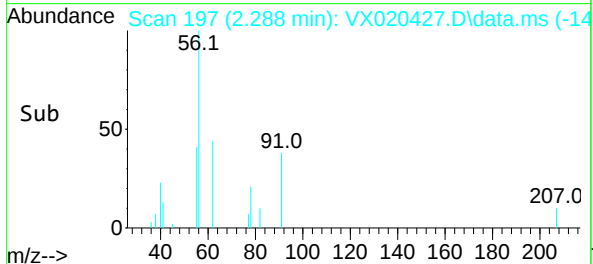
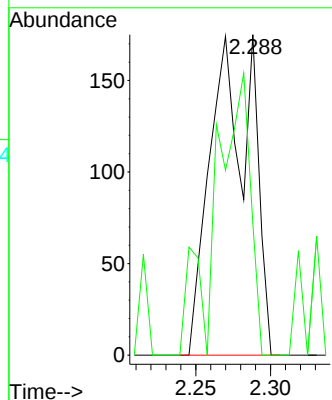
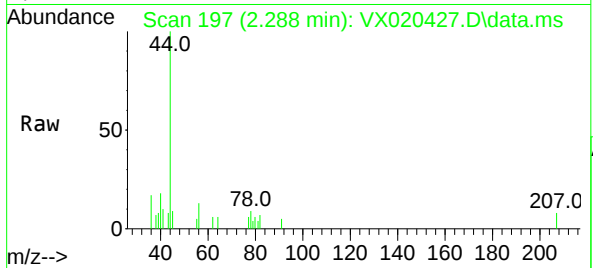




#13
Acrolein
Concen: 0.63 ug/l
RT: 2.288 min Scan# 197
Delta R.T. 0.018 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

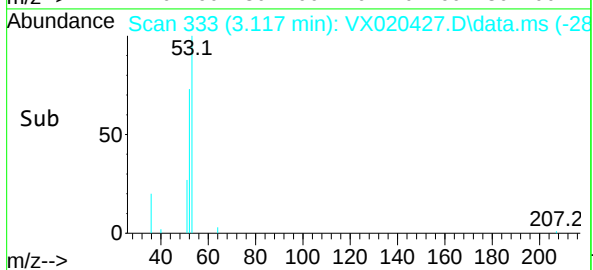
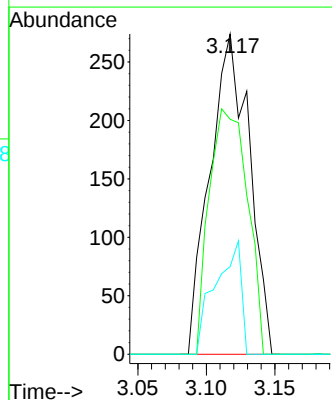
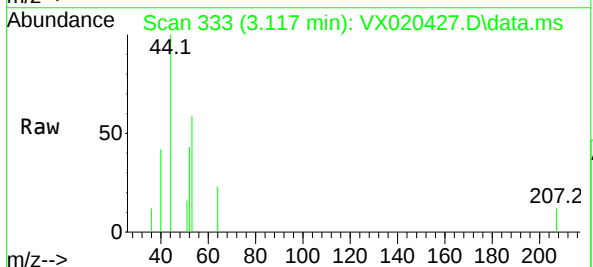
Instrument :
MSVOA_X
ClientSampleId :
1026-TB122820

Tgt Ion: 56 Resp: 329
Ion Ratio Lower Upper
56 100
55 76.6 56.4 84.6



#15
Acrylonitrile
Concen: 0.28 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

Tgt Ion: 53 Resp: 549
Ion Ratio Lower Upper
53 100
52 74.3 65.3 97.9
51 23.1 28.2 42.2#

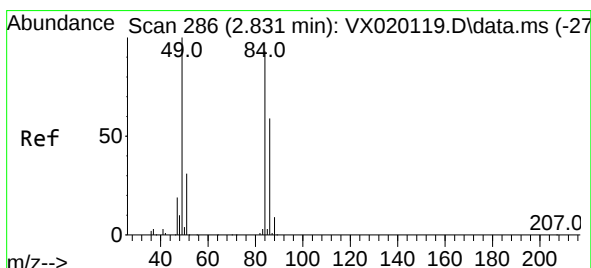
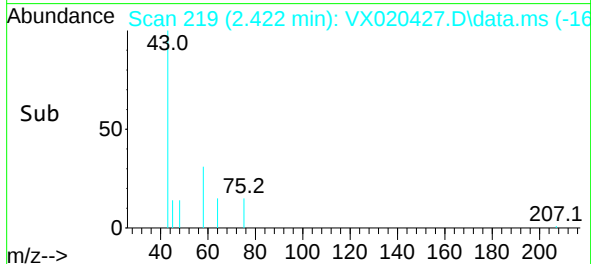
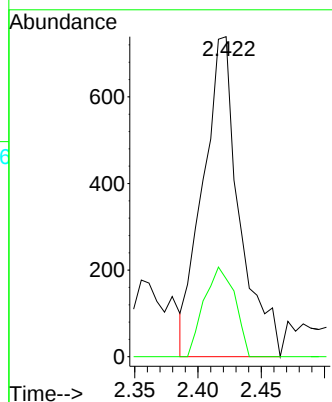
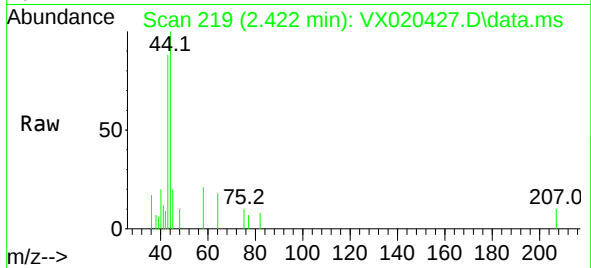




#16
Acetone
Concen: 0.86 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

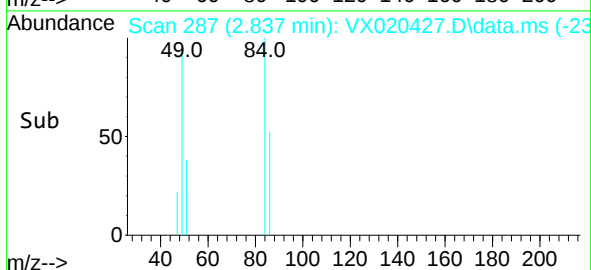
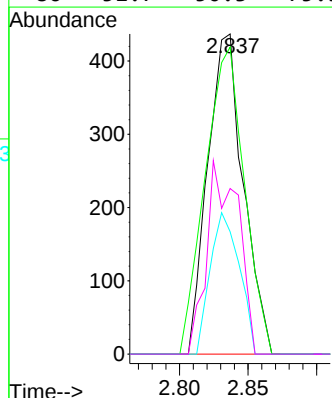
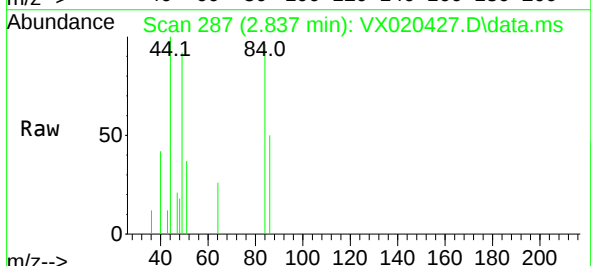
Instrument :
MSVOA_X
ClientSampleId :
1026-TB122820

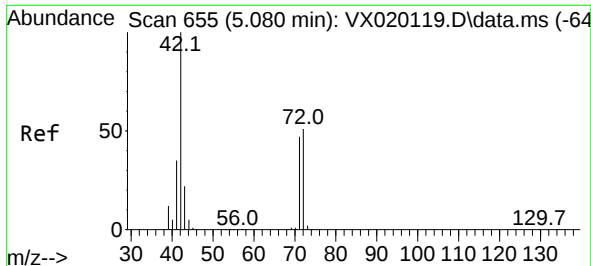
Tgt Ion: 43 Resp: 1482
Ion Ratio Lower Upper
43 100
58 24.4 27.8 41.8#



#20
Methylene Chloride
Concen: 0.20 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

Tgt Ion: 84 Resp: 789
Ion Ratio Lower Upper
84 100
49 95.9 88.6 132.8
51 38.2 27.0 40.6
86 51.7 50.3 75.5





#29

Tetrahydrofuran

Concen: 0.20 ug/l

RT: 5.105 min Scan# 659

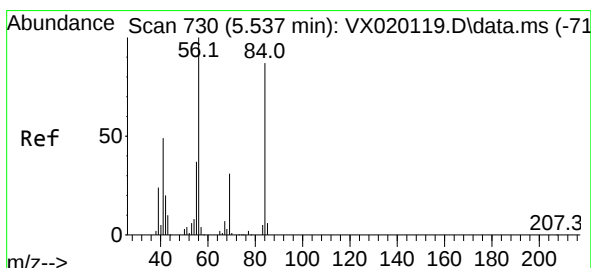
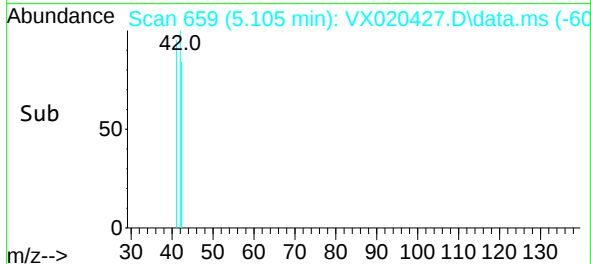
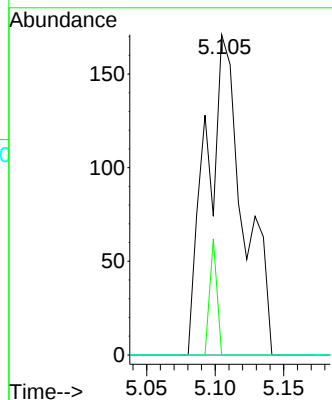
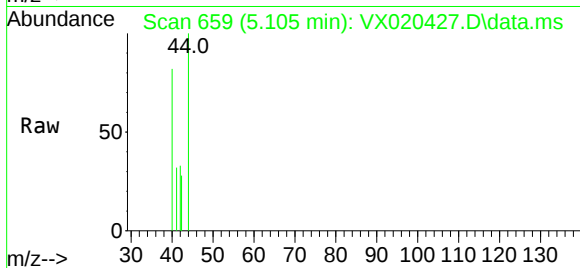
Delta R.T. 0.025 min

Lab File: VX020427.D

Acq: 29 Dec 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
1026-TB122820

Tgt Ion:	42	Resp:	319
Ion	Ratio	Lower	Upper
42	100		
72	7.2	41.7	62.5#
71	0.0	38.4	57.6#



#31

Cyclohexane

Concen: 0.97 ug/l

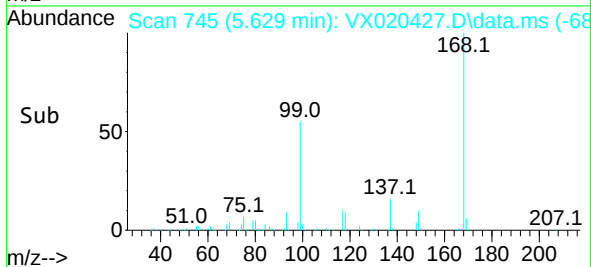
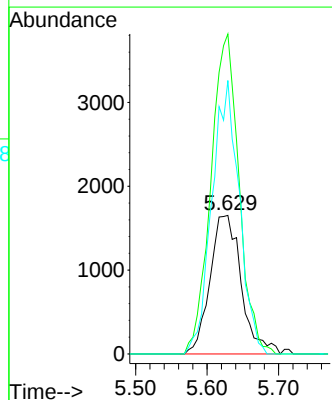
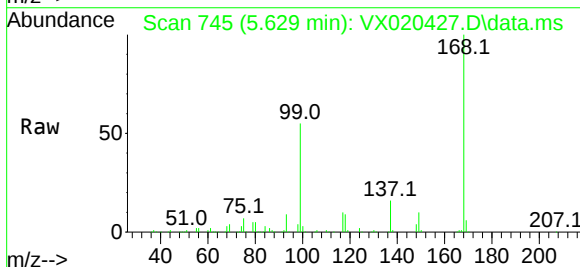
RT: 5.629 min Scan# 745

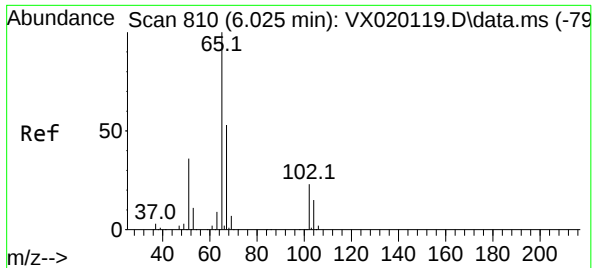
Delta R.T. 0.092 min

Lab File: VX020427.D

Acq: 29 Dec 2020 12:25

Tgt Ion:	56	Resp:	5020
Ion	Ratio	Lower	Upper
56	100		
69	230.9	25.3	37.9#
84	197.3	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 43.04 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020427.D

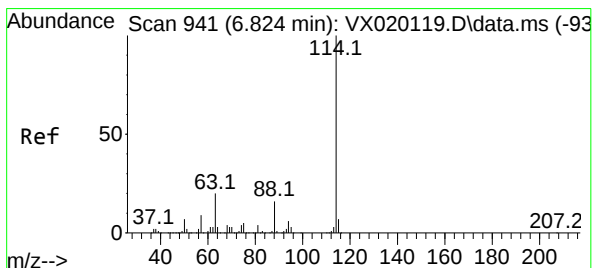
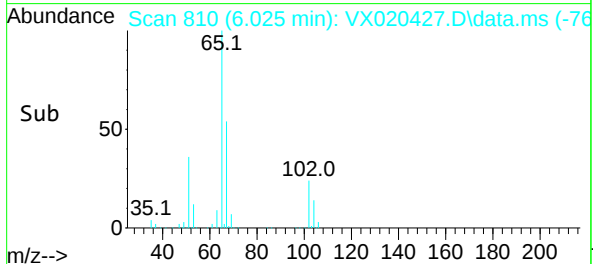
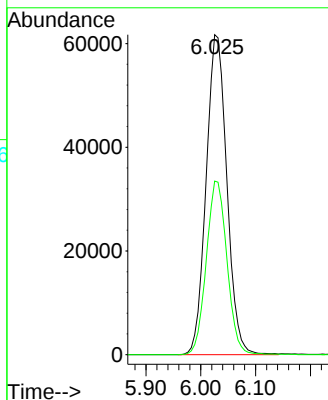
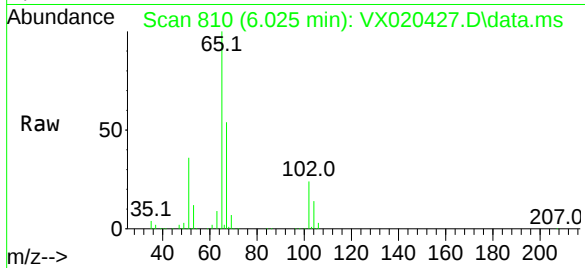
Acq: 29 Dec 2020 12:25

Tgt Ion: 65 Resp: 161872

Ion Ratio Lower Upper

65 100

67 54.2 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: VX020427.D

Acq: 29 Dec 2020 12:25

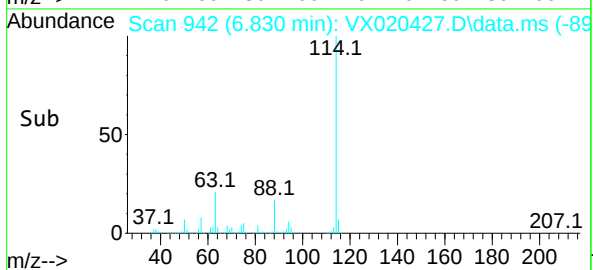
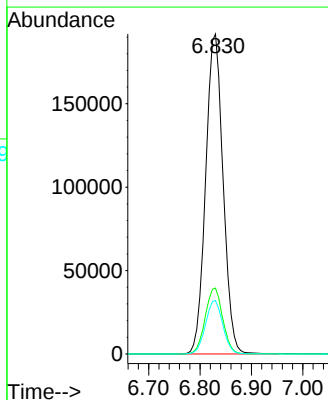
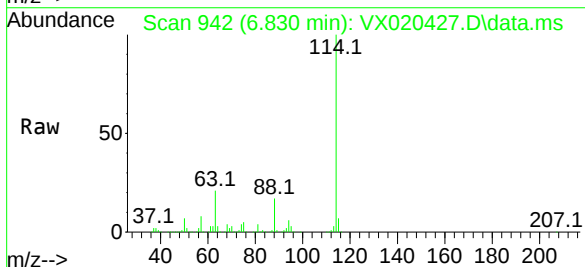
Tgt Ion: 114 Resp: 452236

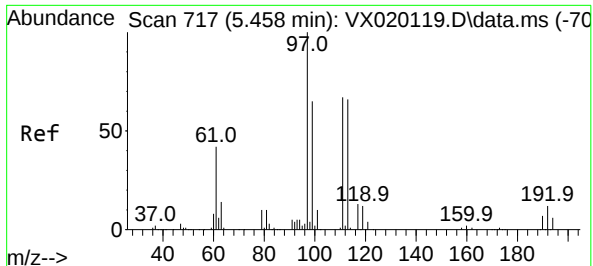
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 16.7 0.0 32.8

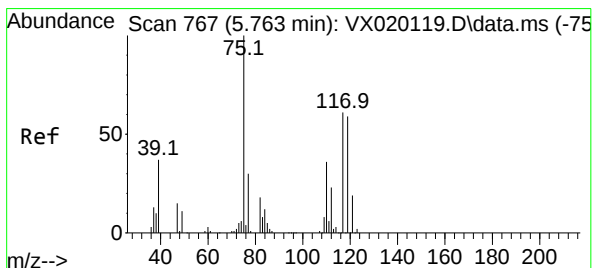
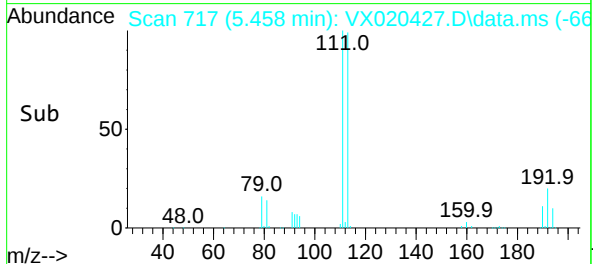
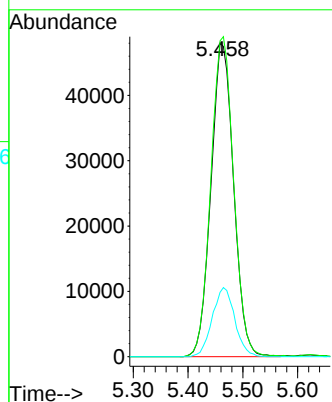
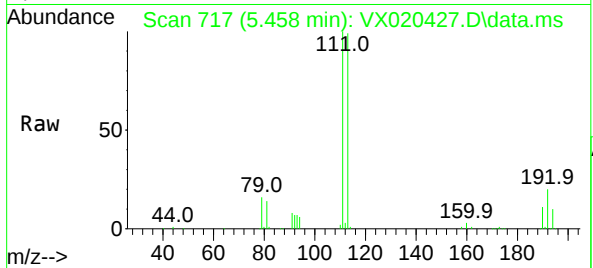




#35
Dibromofluoromethane
Concen: 47.62 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

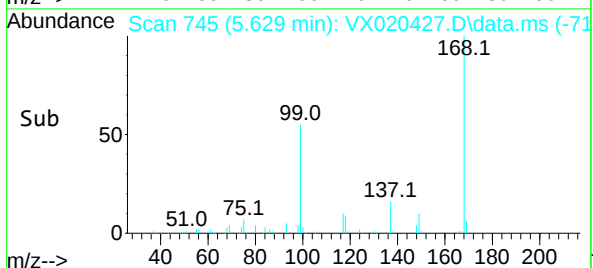
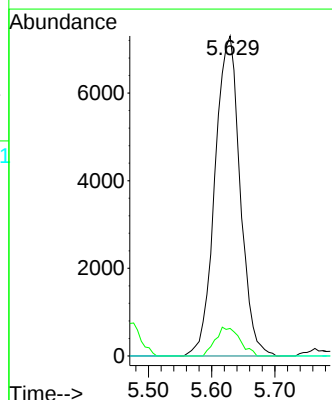
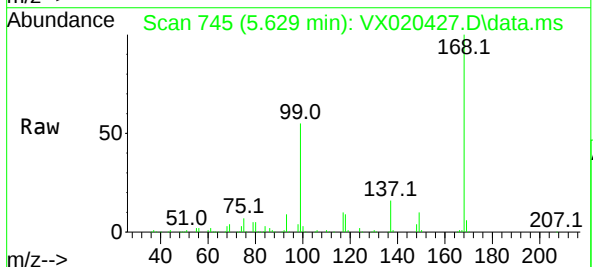
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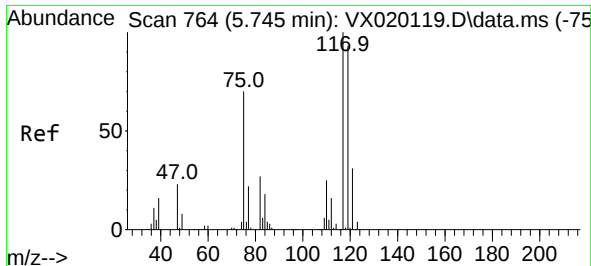
Tgt Ion:113 Resp: 137749
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 21.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.51 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

Tgt Ion: 75 Resp: 20162
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#

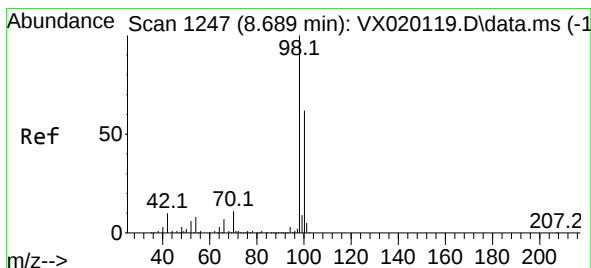
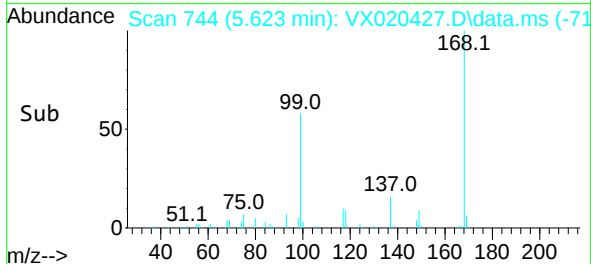
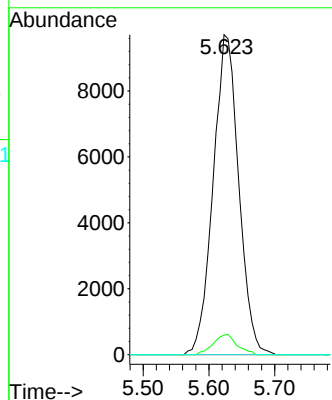
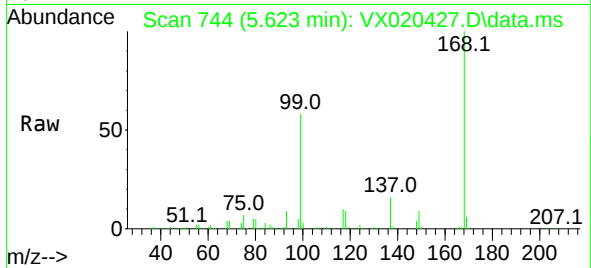




#38
Carbon Tetrachloride
Concen: 6.18 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

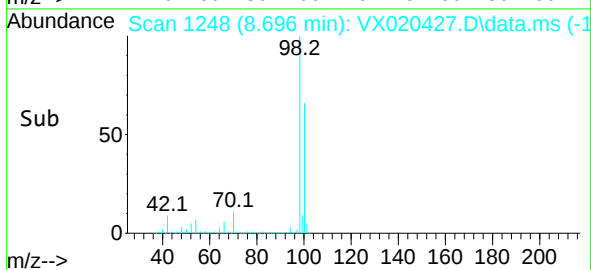
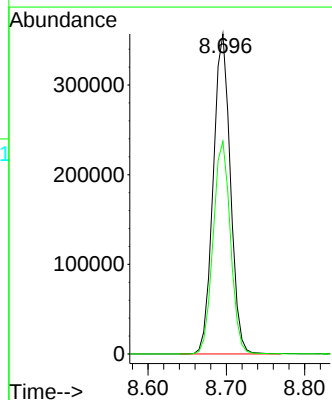
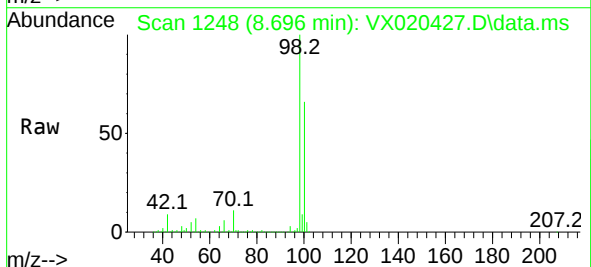
Instrument :
MSVOA_X
ClientSampleId :
1026-TB122820

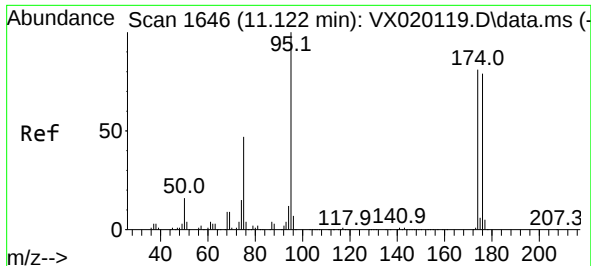
Tgt Ion:117 Resp: 26271
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.78 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

Tgt Ion: 98 Resp: 543219
Ion Ratio Lower Upper
98 100
100 67.0 51.9 77.9

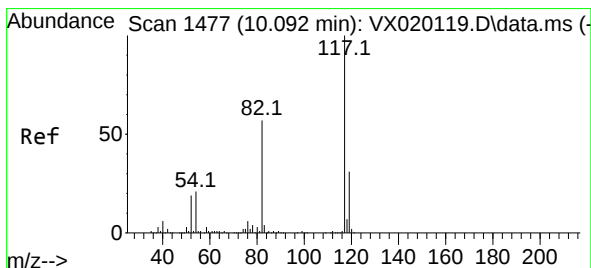
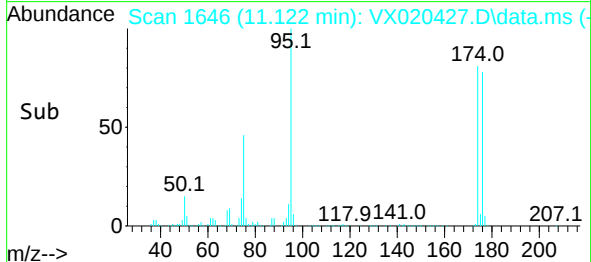
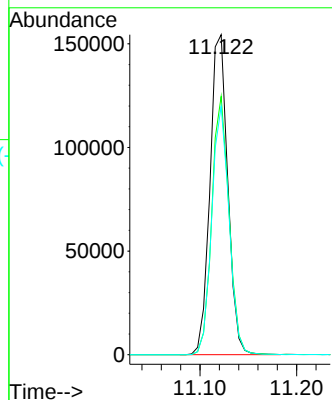
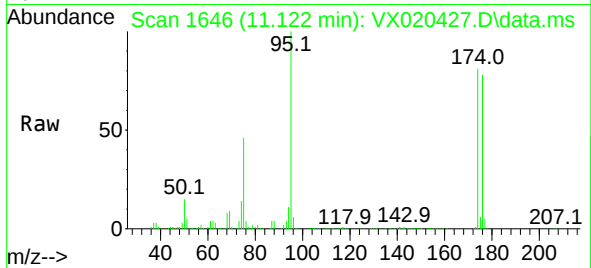




#62
4-Bromofluorobenzene
Concen: 46.44 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

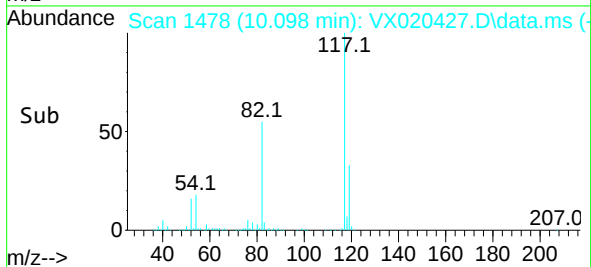
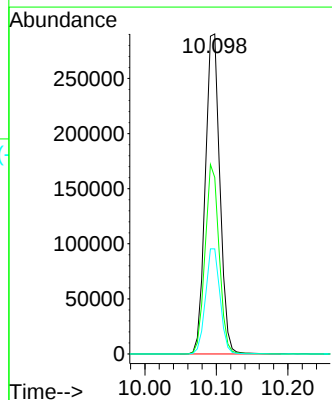
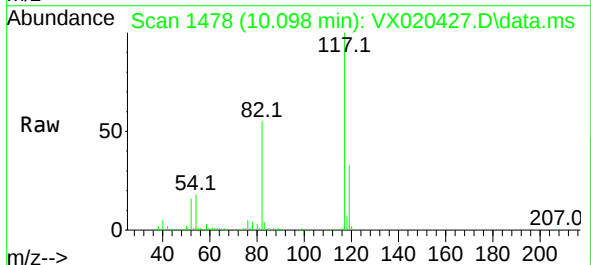
Instrument :
MSVOA_X
ClientSampleId :
1026-TB122820

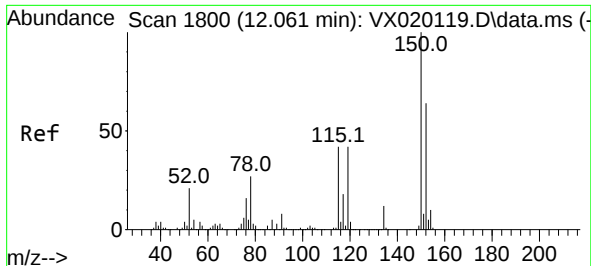
Tgt Ion: 95 Resp: 197935
Ion Ratio Lower Upper
95 100
174 77.8 0.0 154.6
176 75.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

Tgt Ion: 117 Resp: 410268
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.8 26.6 39.8

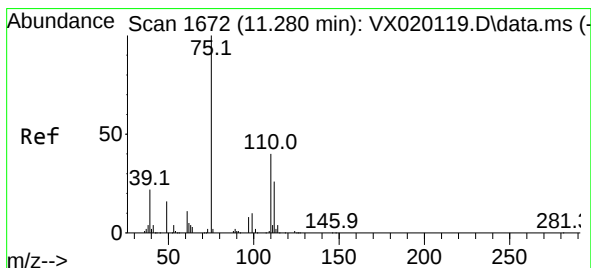
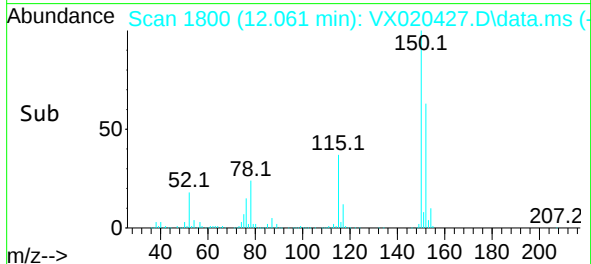
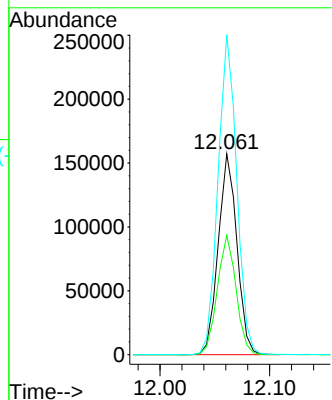
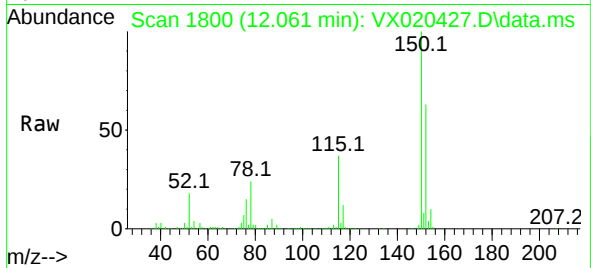




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX020427.D
 Acq: 29 Dec 2020 12:25

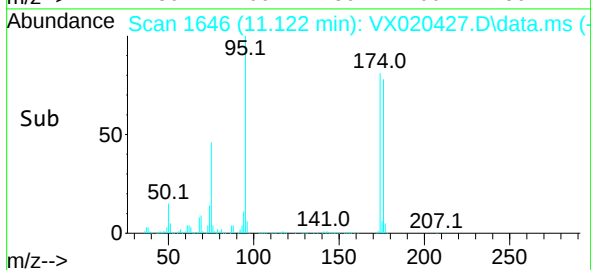
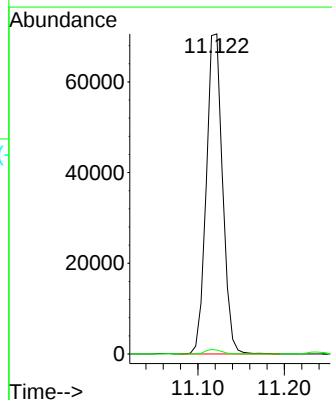
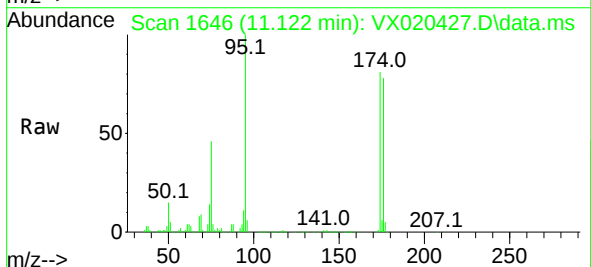
Instrument :
 MSVOA_X
 ClientSampleId :
 1026-TB122820

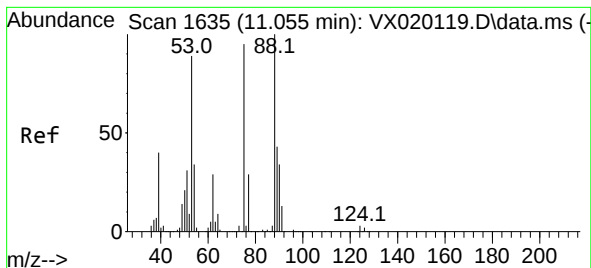
Tgt Ion:152 Resp: 186844
 Ion Ratio Lower Upper
 152 100
 115 59.4 41.1 123.3
 150 159.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 19.97 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.158 min
 Lab File: VX020427.D
 Acq: 29 Dec 2020 12:25

Tgt Ion: 75 Resp: 91926
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#

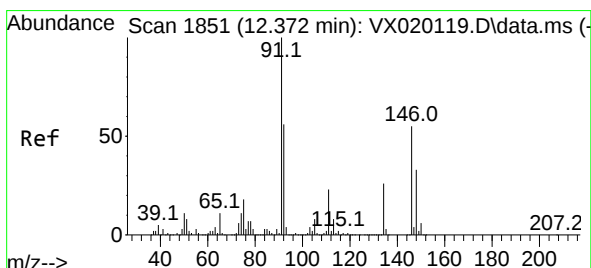
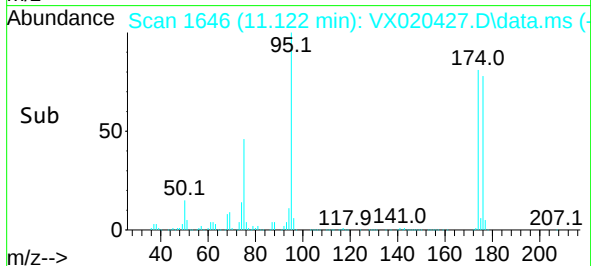
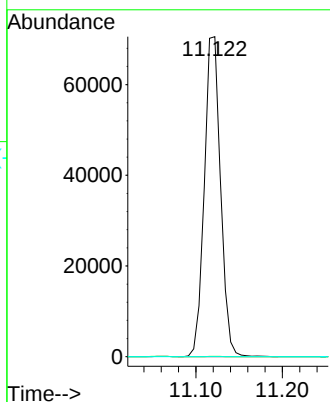
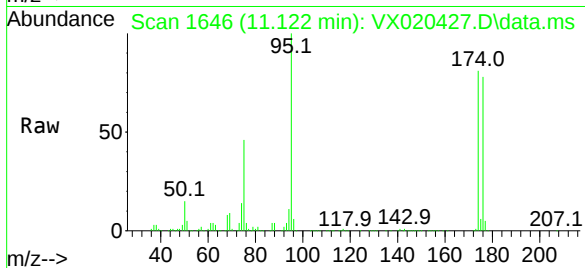




#81
trans-1,4-Dichloro-2-butene
Concen: 59.26 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

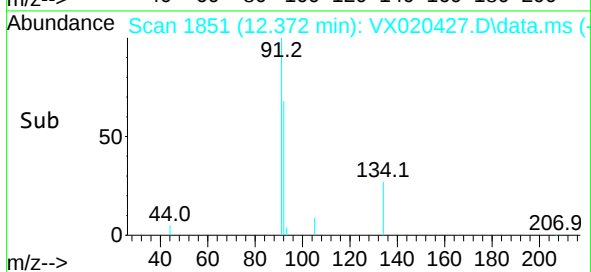
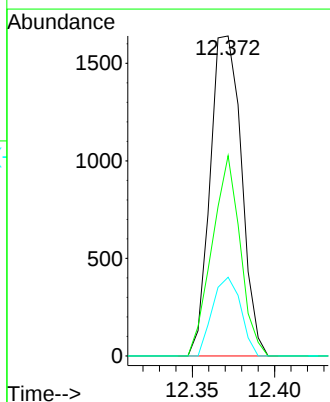
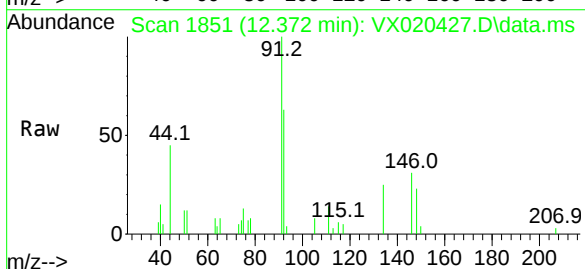
Instrument :
MSVOA_X
ClientSampleId :
1026-TB122820

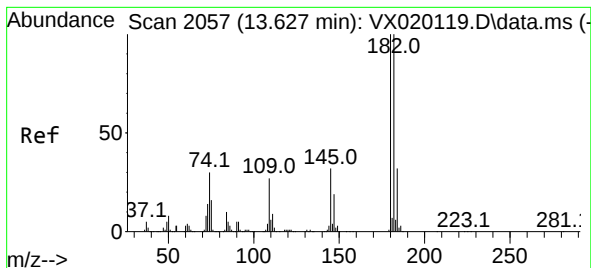
Tgt Ion: 75 Resp: 91926
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#89
n-Butylbenzene
Concen: 0.21 ug/l
RT: 12.372 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

Tgt Ion: 91 Resp: 2172
Ion Ratio Lower Upper
91 100
92 56.4 27.4 82.0
134 22.2 13.2 39.5

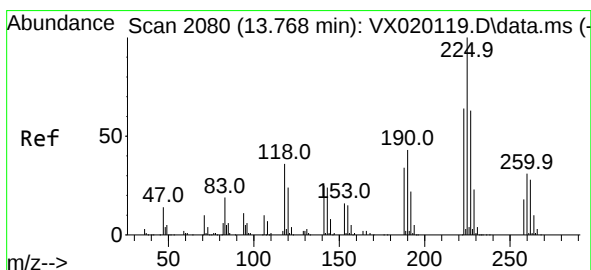
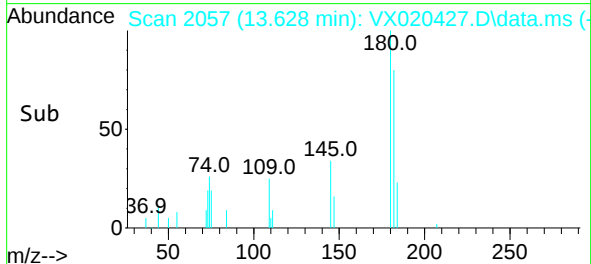
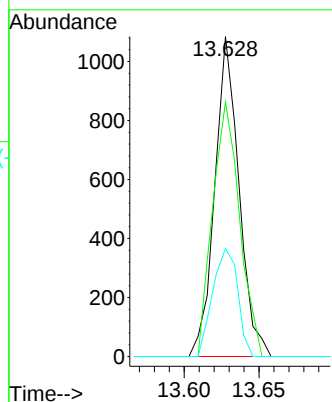
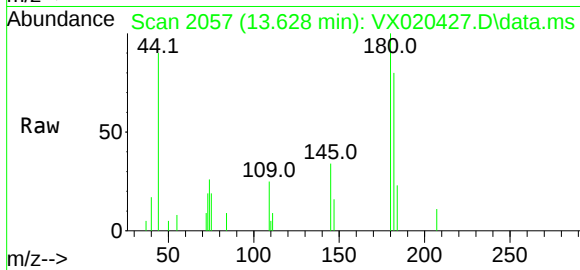




#93
1,2,4-Trichlorobenzene
Concen: 0.30 ug/l
RT: 13.628 min Scan# 2057
Delta R.T. 0.001 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

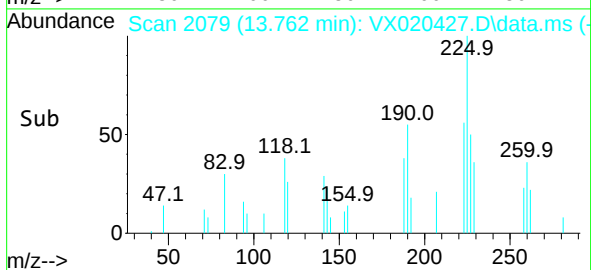
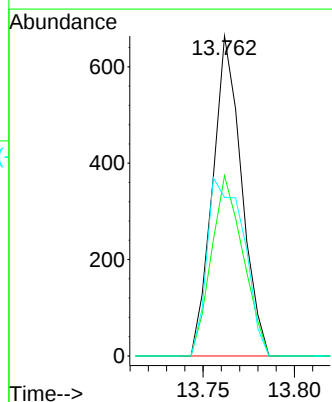
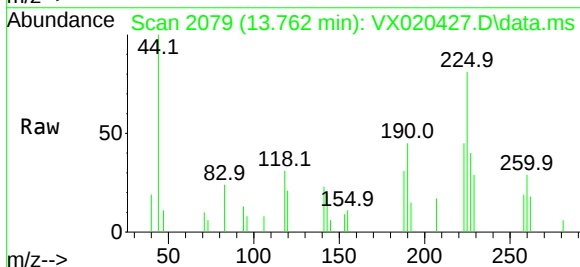
Instrument :
MSVOA_X
ClientSampleId :
1026-TB122820

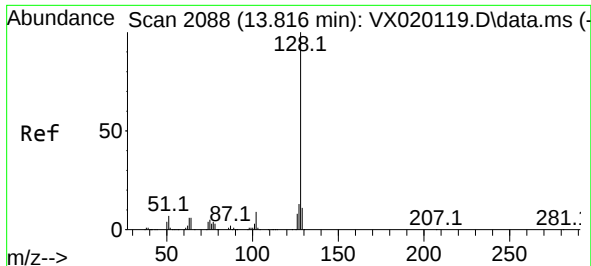
Tgt Ion:	180	Resp:	1219
Ion Ratio	Lower	Upper	
180	100		
182	88.3	47.7	143.1
145	34.8	15.0	45.0



#94
Hexachlorobutadiene
Concen: 3.05 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. -0.006 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

Tgt Ion:	225	Resp:	731
Ion Ratio	Lower	Upper	
225	100		
223	61.7	31.1	93.2
227	70.2	31.6	95.0

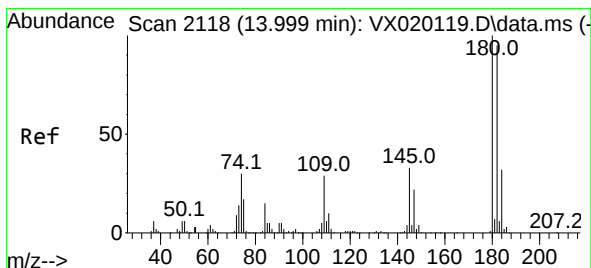
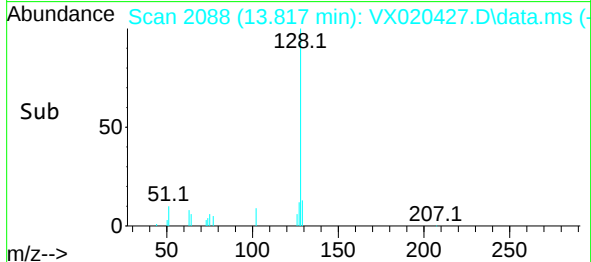
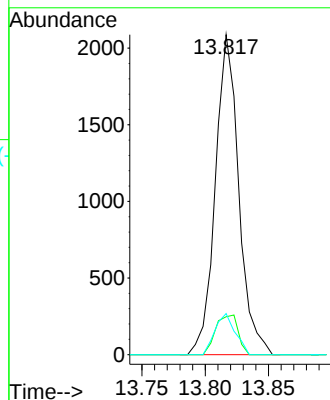
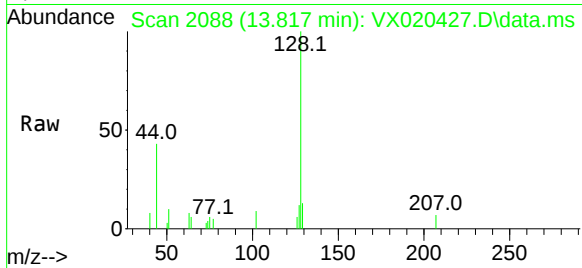




#95
Naphthalene
Concen: 0.21 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. 0.001 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
1026-TB122820

Tgt Ion:128	Resp:	2687
Ion Ratio	Lower	Upper
128	100	
127	11.8	10.3 15.5
129	11.1	8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.28 ug/l
RT: 14.006 min Scan# 2119
Delta R.T. 0.007 min
Lab File: VX020427.D
Acq: 29 Dec 2020 12:25

Tgt Ion:180	Resp:	1141
Ion Ratio	Lower	Upper
180	100	
182	93.8	47.6 142.9
145	33.2	16.1 48.3

