

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120820\
 Data File : VX019766.D
 Acq On : 08 Dec 2020 18:07
 Operator : JC/MD
 Sample : L4946-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(DEC)

Quant Time: Dec 09 06:21:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Dec 09 06:09:21 2020
 Response via : Initial Calibration

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

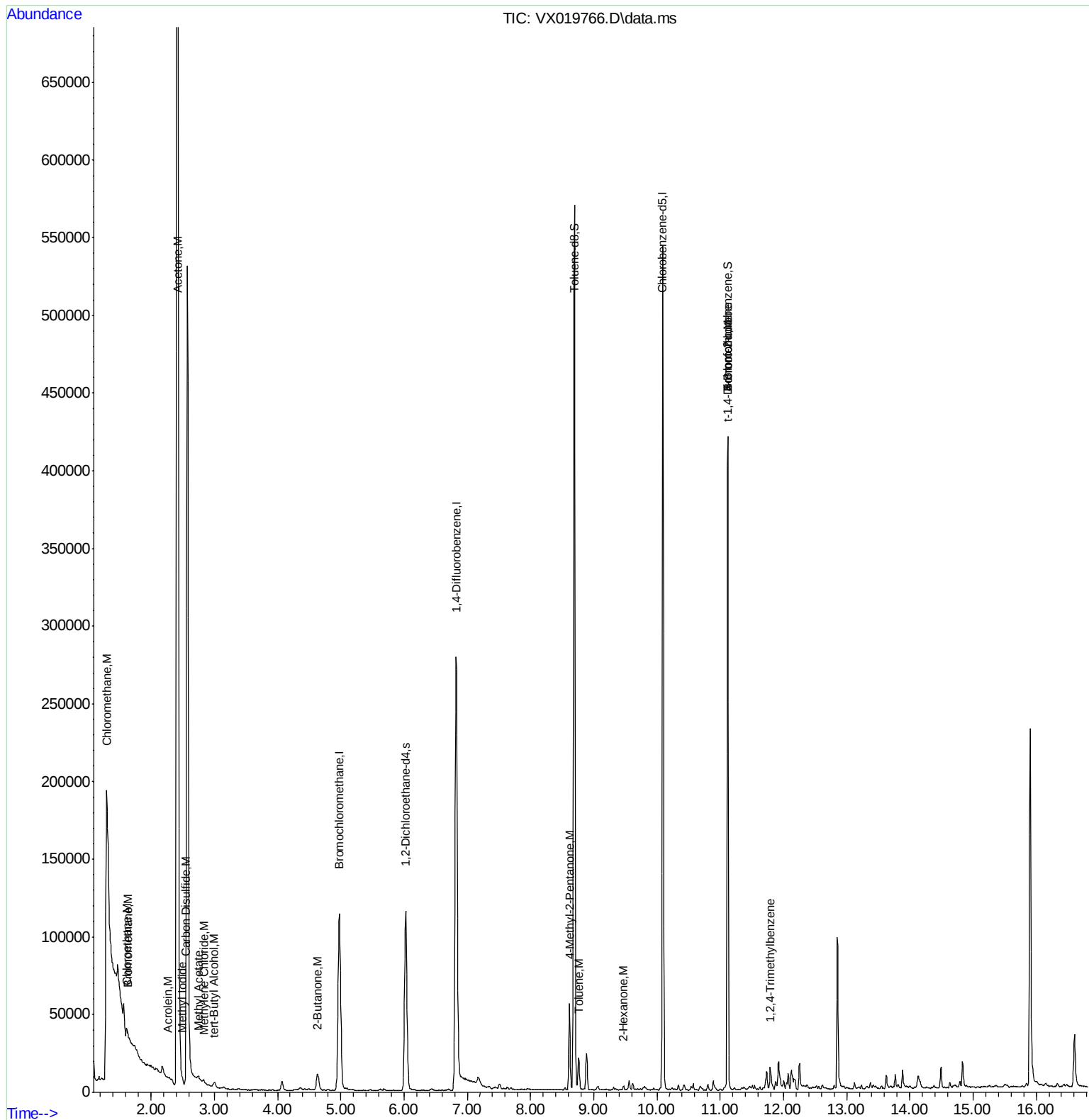
Internal Standards						
1) Bromochloromethane	4.977	128	51205	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.824	114	279775	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.092	117	251696	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.025	65	110544	31.15	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.83%			
60) 4-Bromofluorobenzene	11.122	95	117401	27.78	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.60%			
63) Toluene-d8	8.696	98	335538	30.43	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.43%			
Target Compounds						Qvalue
3) Chloromethane	1.295	50	8299	2.86	ug/l #	41
5) Bromomethane	1.630	94	824	0.63	ug/l #	80
6) Chloroethane	1.618	64	12242	5.78	ug/l #	50
11) Methyl Iodide	2.495	142	2667	0.74	ug/l	98
12) Methyl Acetate	2.752	43	2044	0.57	ug/l	93
13) Acrolein	2.264	56	410	0.80	ug/l	89
15) Acetone	2.416	58	665433	1278.41	ug/l	97
16) Carbon Disulfide	2.550	76	7241	0.96	ug/l #	95
18) Methylene Chloride	2.831	84	751	0.22	ug/l #	86
23) tert-Butyl Alcohol	3.002	59	2626	3.19	ug/l #	98
30) 2-Butanone	4.629	43	18675	8.12	ug/l #	97
56) Bromoform	11.122	173	723	0.27	ug/l #	1
58) 4-Methyl-2-Pentanone	8.616	43	30544	7.10	ug/l	99
59) 2-Hexanone	9.470	43	1100	0.33	ug/l	96
62) Toluene	8.763	91	13284	0.96	ug/l	97
77) t-1,4-Dichloro-2-butene	11.116	75	56844	31.97	ug/l #	11
80) 1,2,4-Trimethylbenzene	11.793	105	3152	0.24	ug/l	50

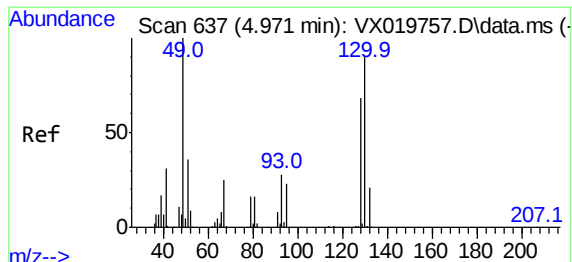
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Dec 09 06:09:21 2020
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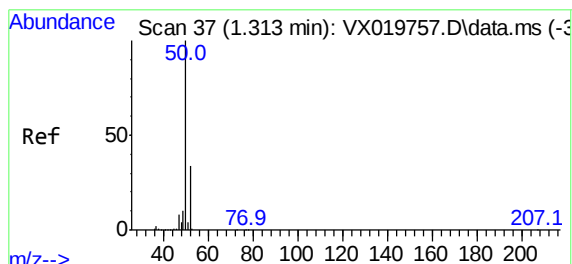
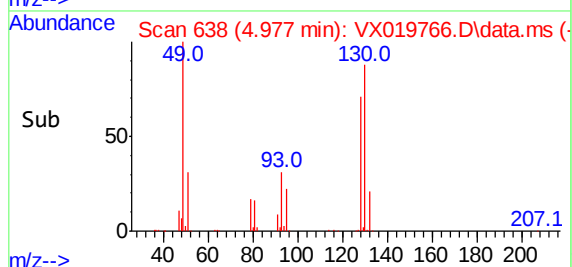
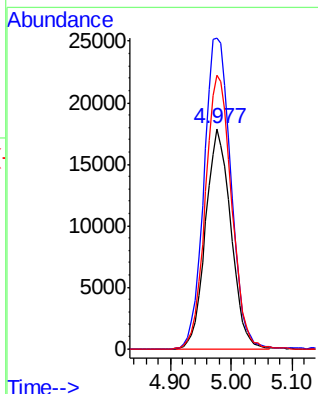
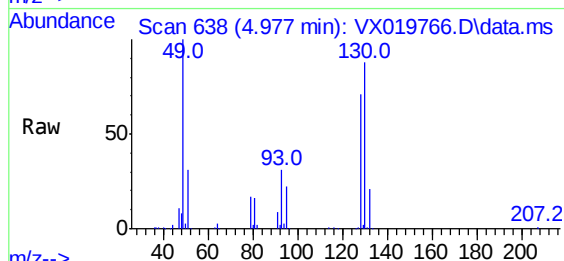




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.977 min Scan# 638
Delta R.T. 0.006 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

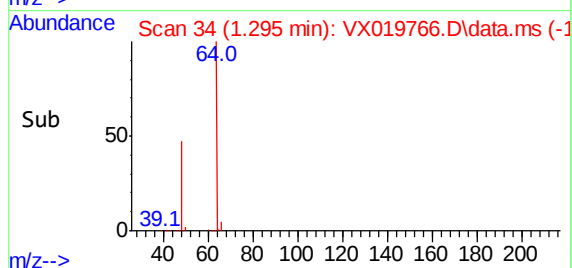
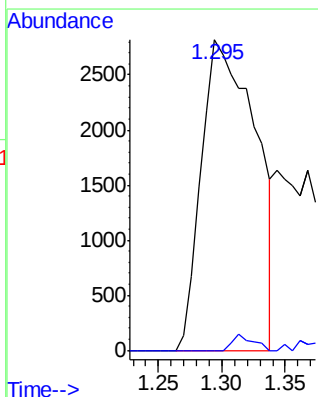
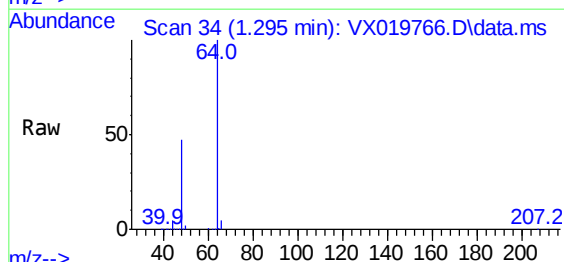
Instrument :
MSVOA_X
ClientSampleId :
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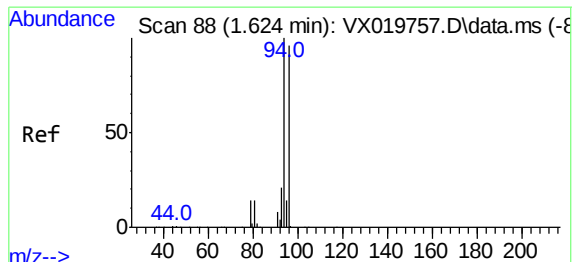
Tgt Ion:128 Resp: 51205
Ion Ratio Lower Upper
128 100
49 150.3 0.0 367.5
130 128.5 0.0 318.8



#3
Chloromethane
Concen: 2.86 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.018 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

Tgt Ion: 50 Resp: 8299
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

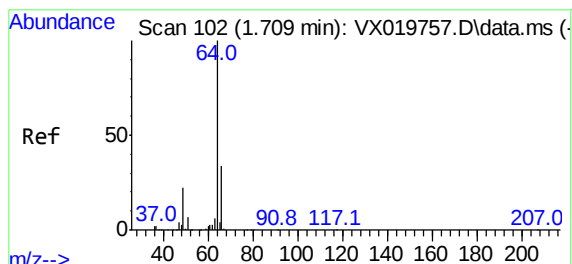
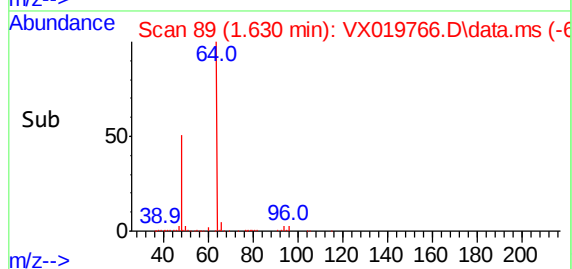
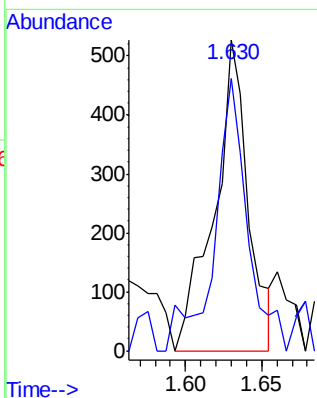
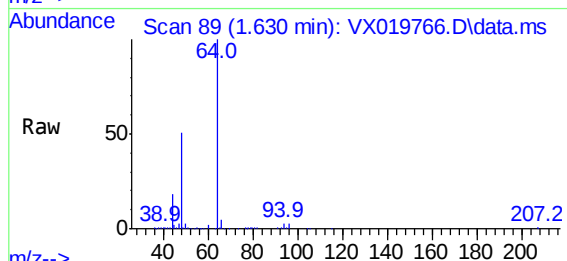




#5
Bromomethane
Concen: 0.63 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

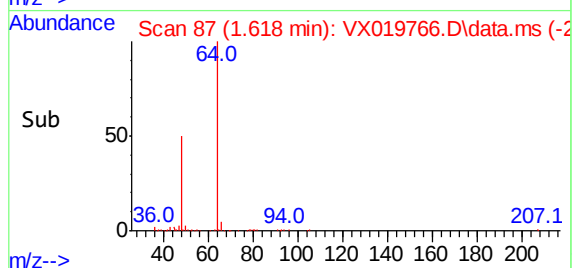
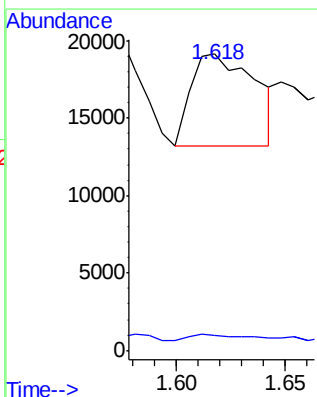
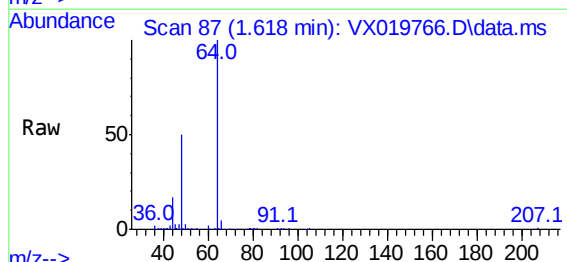
Instrument :
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ClientSampleId :
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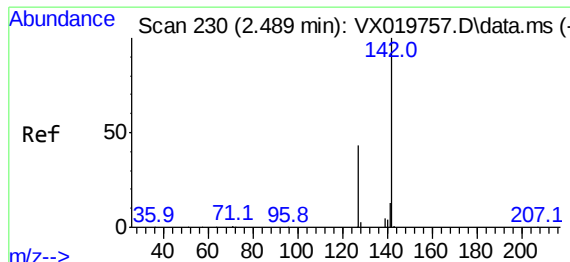
Tgt Ion: 94 Resp: 824
Ion Ratio Lower Upper
94 100
96 76.1 76.6 114.8#



#6
Chloroethane
Concen: 5.78 ug/l
RT: 1.618 min Scan# 87
Delta R.T. -0.092 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

Tgt Ion: 64 Resp: 12242
Ion Ratio Lower Upper
64 100
66 5.5 27.4 41.2#

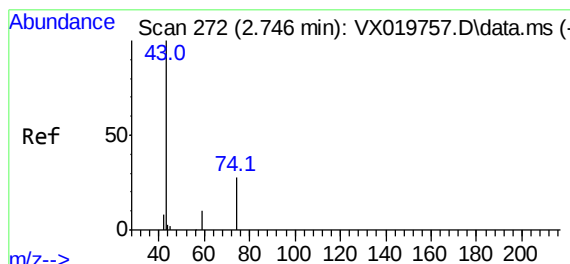
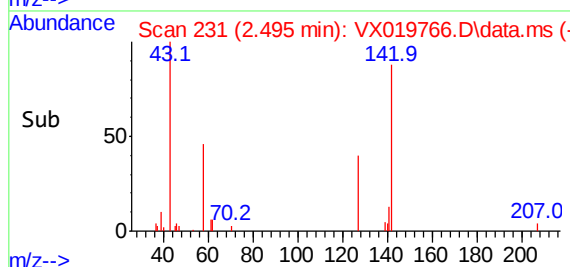
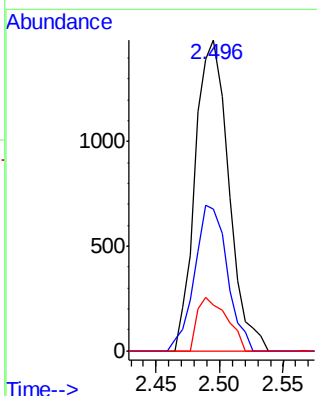
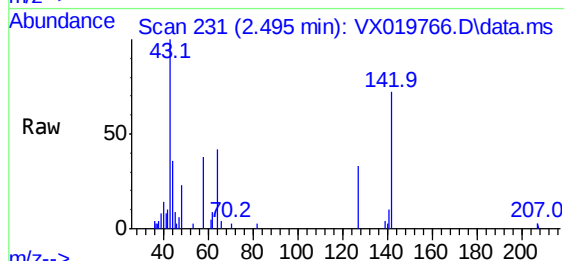




#11
Methyl Iodide
Concen: 0.74 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

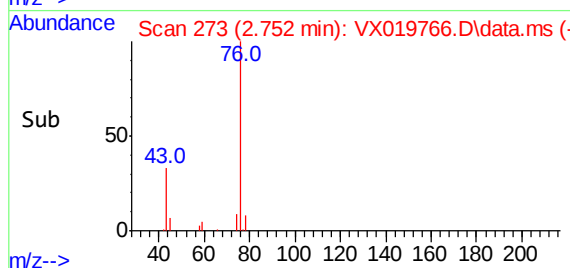
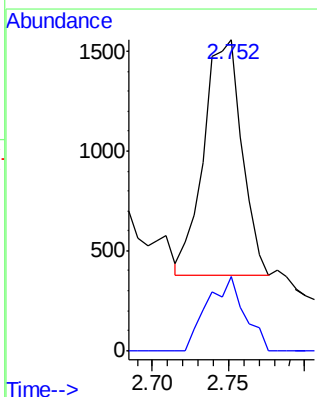
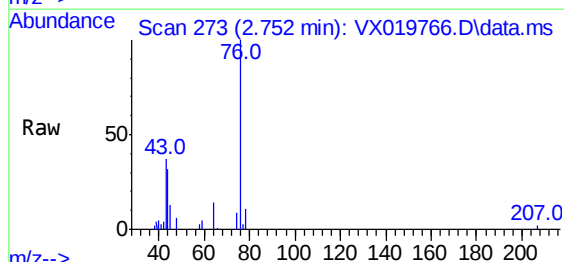
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(DEC)

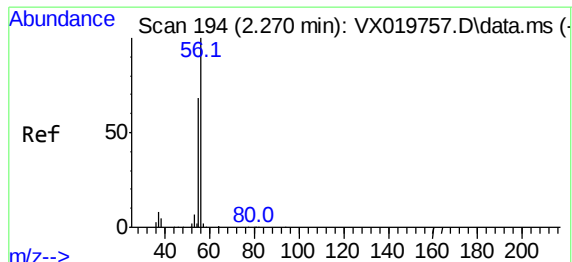
Tgt Ion:142 Resp: 2667
Ion Ratio Lower Upper
142 100
127 43.5 21.4 64.2
141 14.5 6.5 19.4



#12
Methyl Acetate
Concen: 0.57 ug/l
RT: 2.752 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

Tgt Ion: 43 Resp: 2044
Ion Ratio Lower Upper
43 100
74 32.4 22.8 34.2

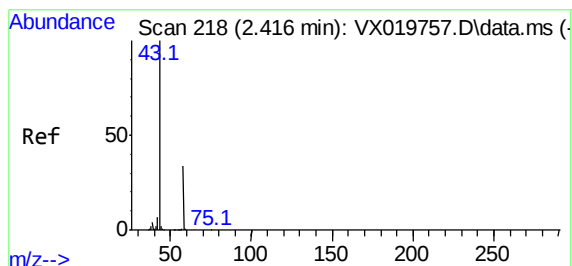
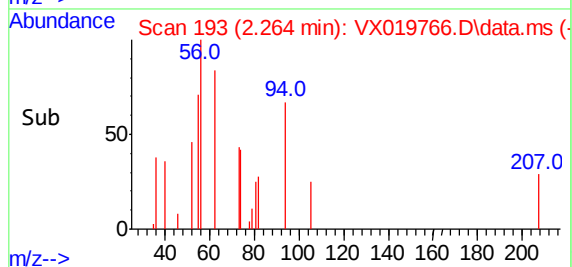
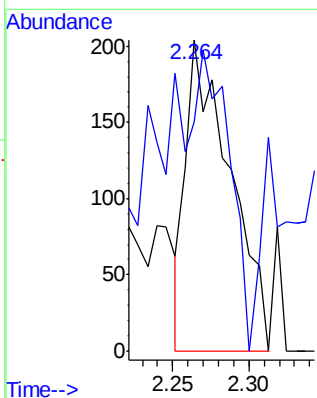
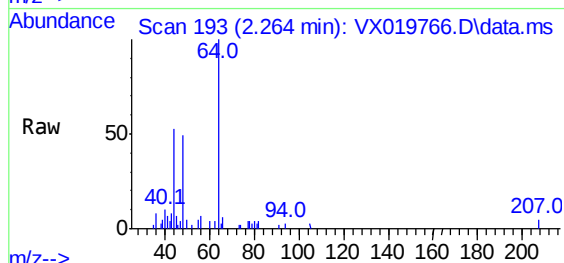




#13
Acrolein
Concen: 0.80 ug/l
RT: 2.264 min Scan# 193
Delta R.T. -0.006 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

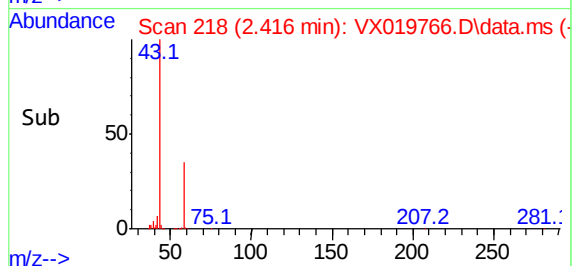
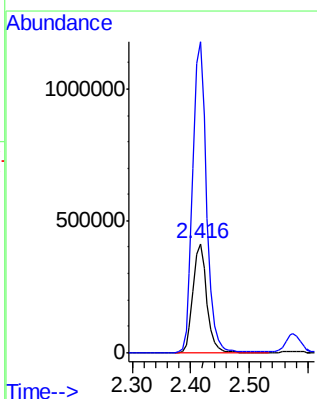
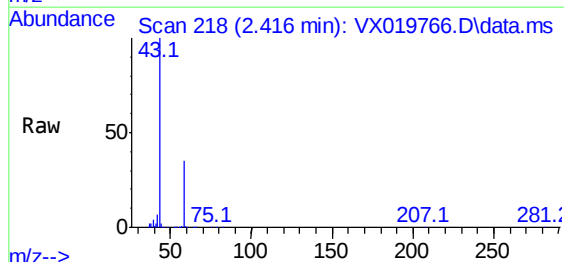
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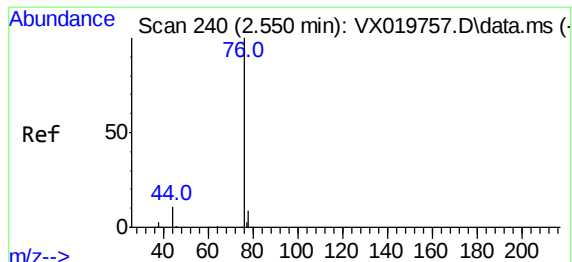
Tgt Ion: 56 Resp: 410
Ion Ratio Lower Upper
56 100
55 79.5 56.3 84.5



#15
Acetone
Concen: 1278.41 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

Tgt Ion: 58 Resp: 665433
Ion Ratio Lower Upper
58 100
43 284.9 232.6 348.8

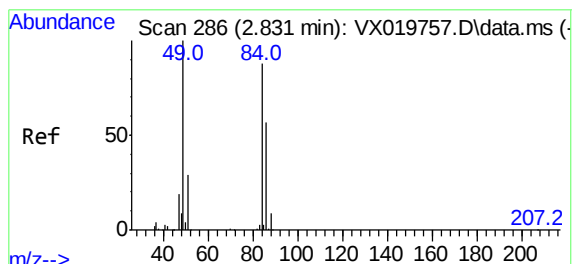
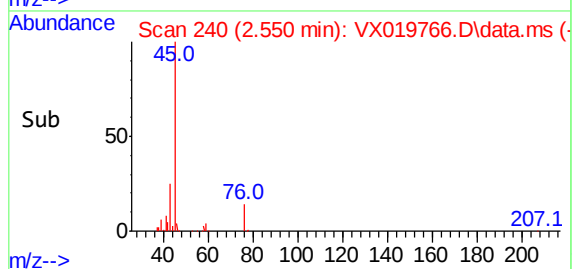
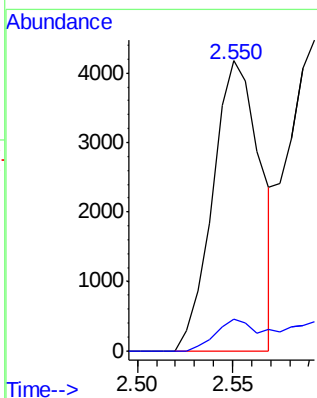
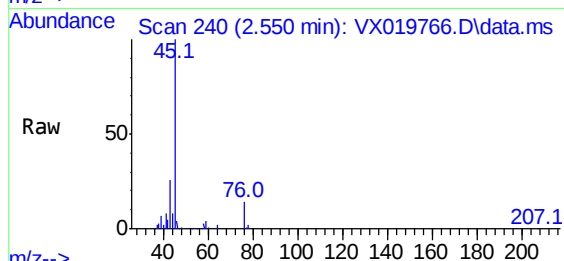




#16
Carbon Disulfide
Concen: 0.96 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.000 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

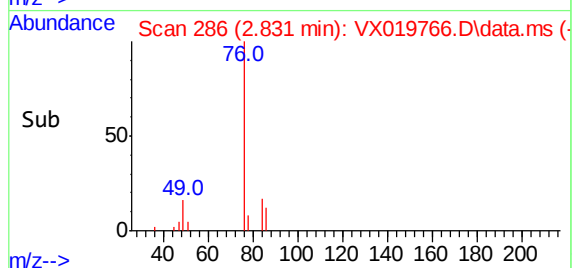
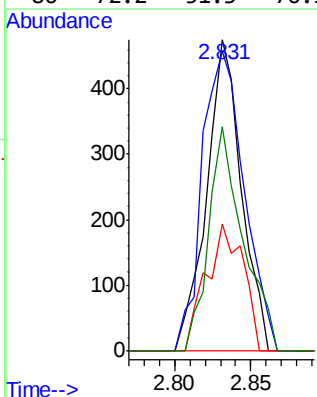
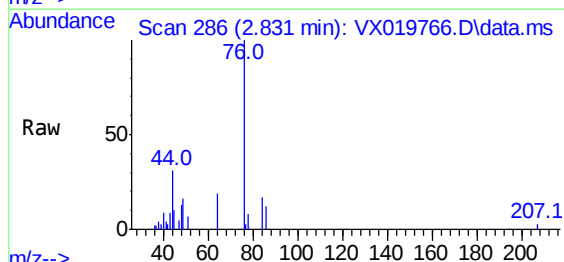
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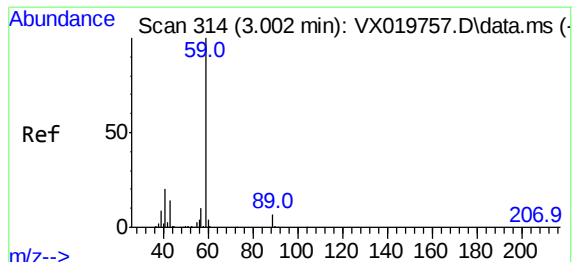
Tgt Ion: 76 Resp: 7241
Ion Ratio Lower Upper
76 100
78 11.1 7.4 11.0#



#18
Methylene Chloride
Concen: 0.22 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

Tgt Ion: 84 Resp: 751
Ion Ratio Lower Upper
84 100
49 96.4 90.6 136.0
51 40.6 26.3 39.5#
86 72.2 51.3 76.9

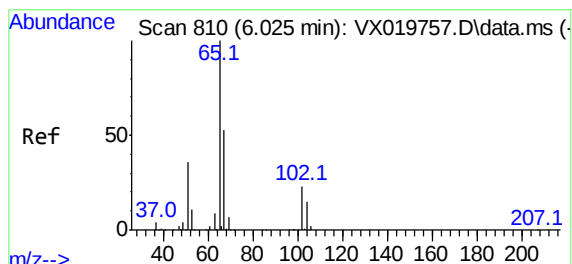
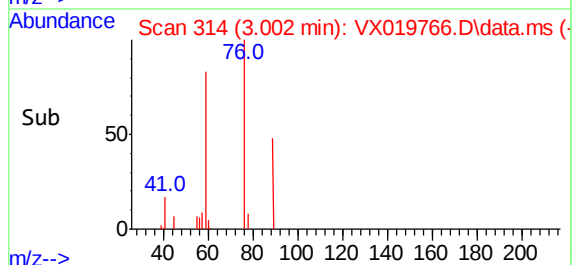
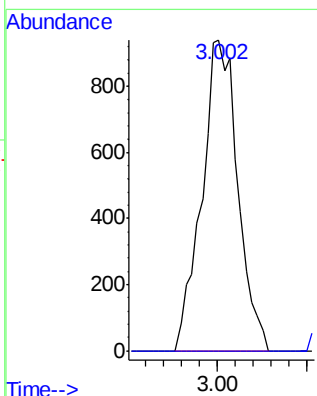
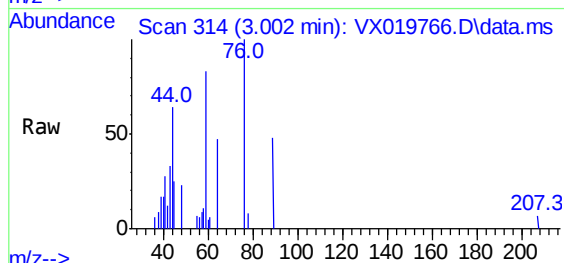




#23
tert-Butyl Alcohol
Concen: 3.19 ug/l
RT: 3.002 min Scan# 314
Delta R.T. -0.000 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

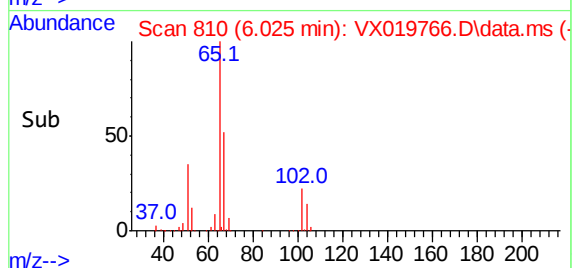
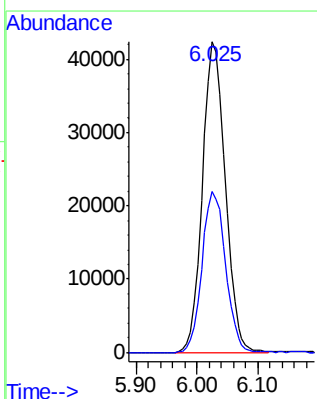
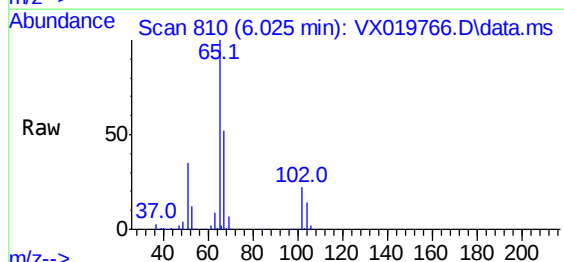
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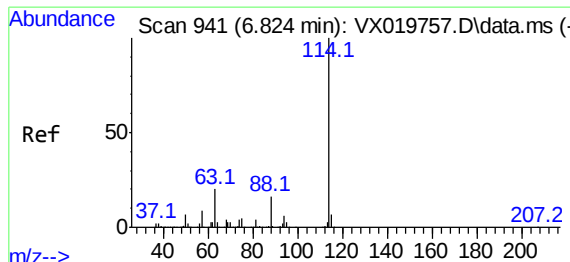
Tgt Ion: 59 Resp: 2626
Ion Ratio Lower Upper
59 100
52 5.1 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 31.15 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

Tgt Ion: 65 Resp: 110544
Ion Ratio Lower Upper
65 100
67 53.3 41.9 62.9

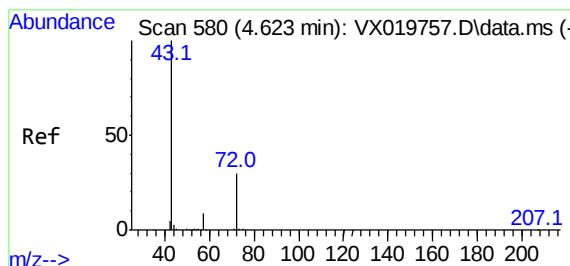
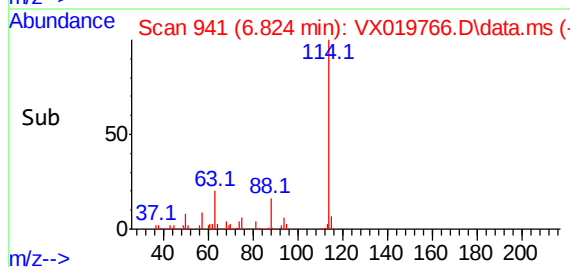
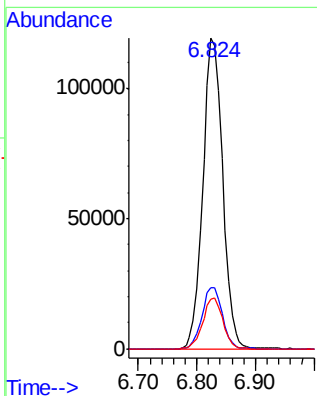
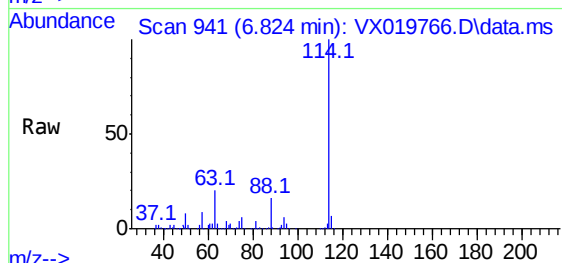




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.824 min Scan# 941
Delta R.T. -0.000 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

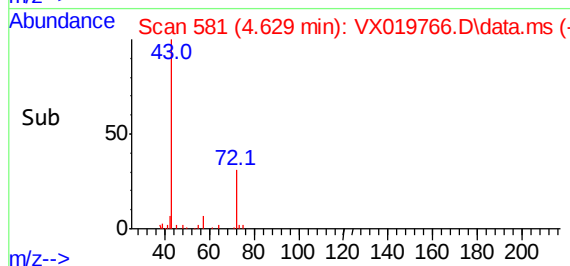
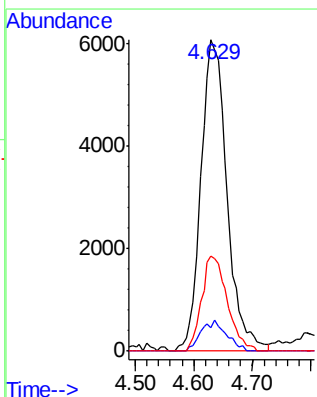
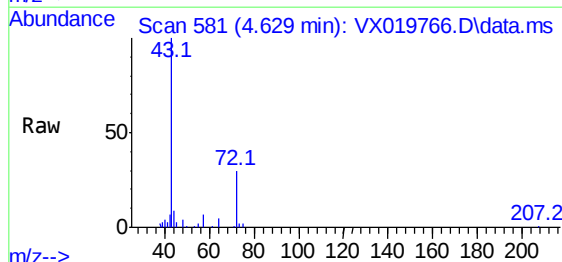
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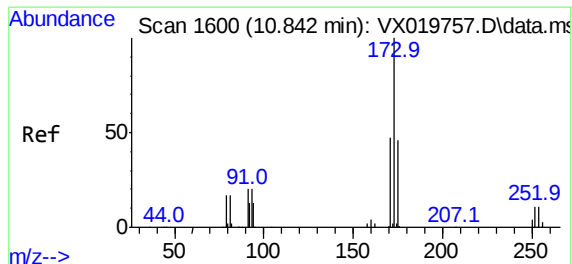
Tgt Ion:114 Resp: 279775
Ion Ratio Lower Upper
114 100
63 20.4 16.2 24.2
88 16.4 13.0 19.6



#30
2-Butanone
Concen: 8.12 ug/l
RT: 4.629 min Scan# 581
Delta R.T. 0.006 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

Tgt Ion: 43 Resp: 18675
Ion Ratio Lower Upper
43 100
57 4.3 7.2 10.8#
72 29.5 23.7 35.5

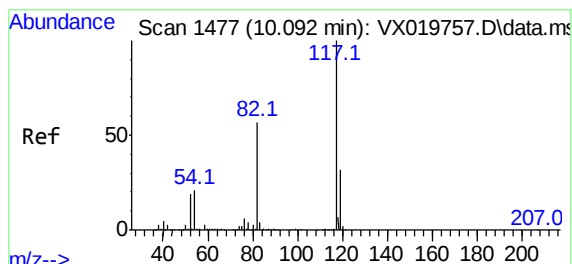
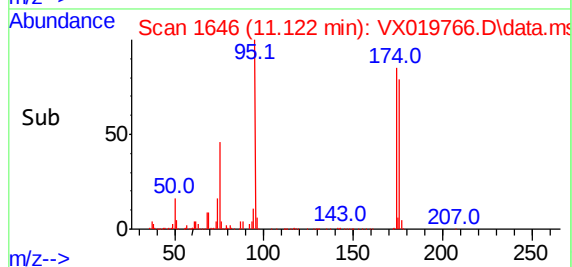
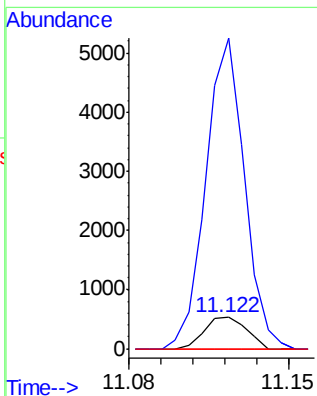
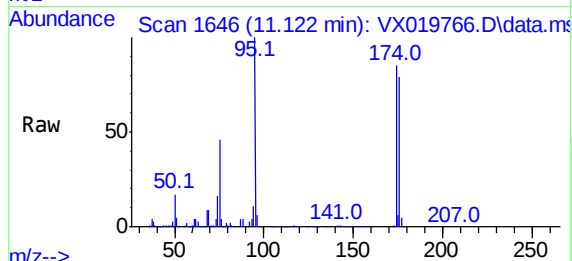




#56
Bromoform
Concen: 0.27 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.280 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

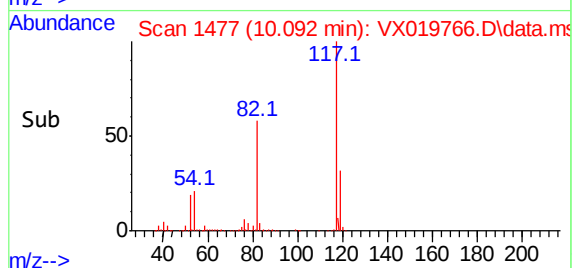
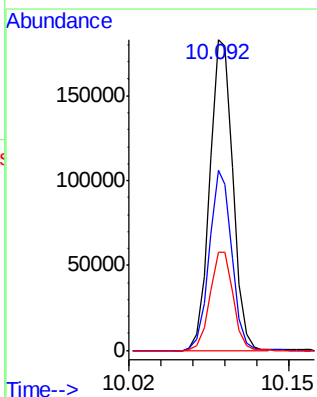
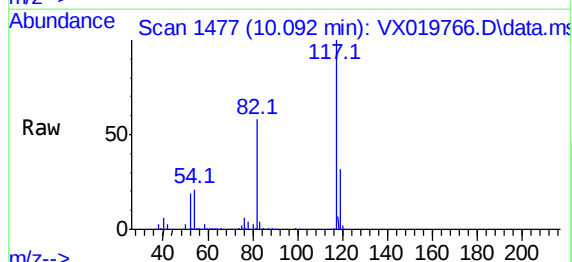
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(DEC)

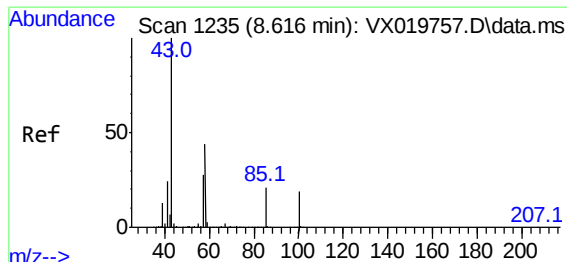
Tgt Ion:173 Resp: 723
Ion Ratio Lower Upper
173 100
175 900.0 38.1 57.1#
254 0.0 8.2 12.4#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

Tgt Ion:117 Resp: 251696
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.6
119 31.8 25.6 38.4



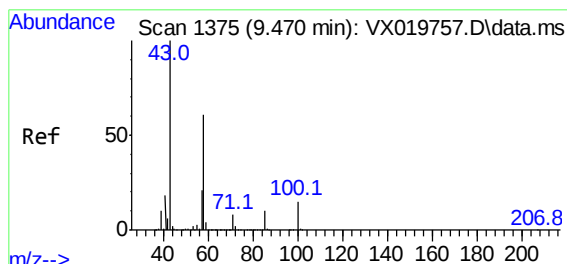
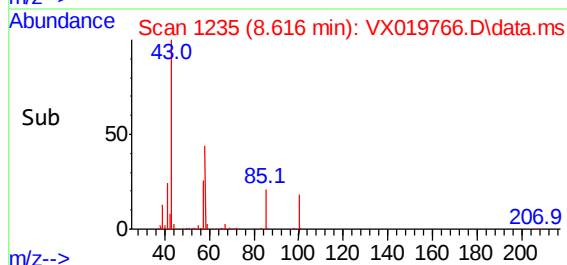
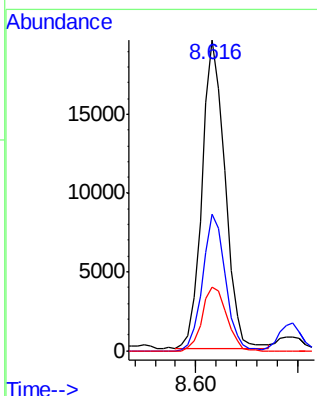
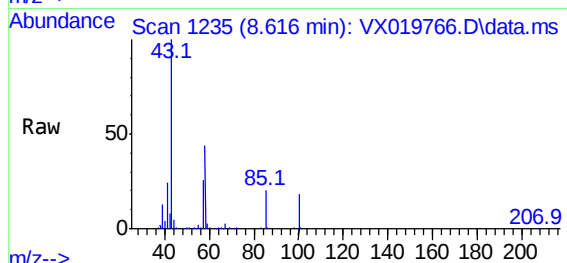


#58
4-Methyl-2-Pentanone
Concen: 7.10 ug/l
RT: 8.616 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(DEC)

Tgt Ion: 43 Resp: 30544

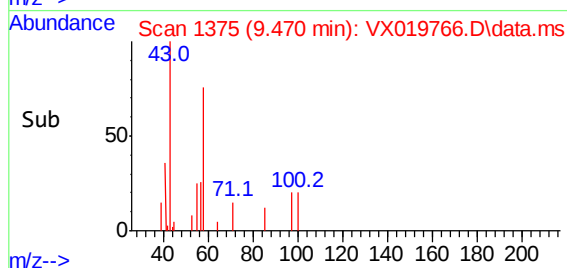
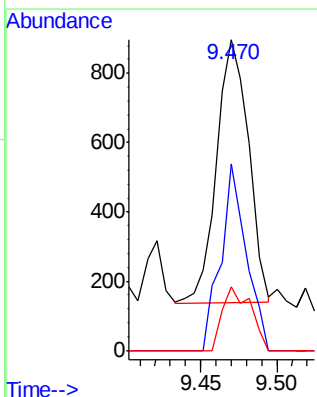
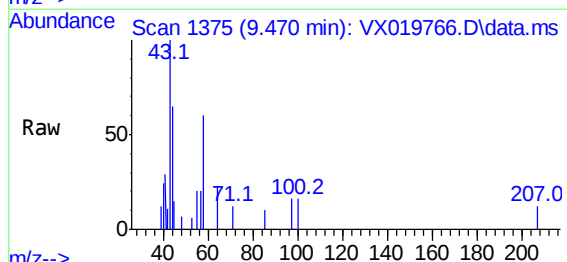
Ion	Ratio	Lower	Upper
43	100		
58	44.0	35.2	52.8
85	22.0	16.8	25.2

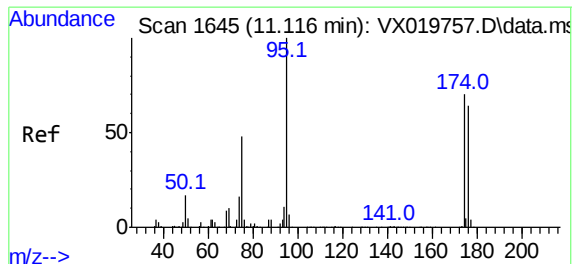


#59
2-Hexanone
Concen: 0.33 ug/l
RT: 9.470 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

Tgt Ion: 43 Resp: 1100

Ion	Ratio	Lower	Upper
43	100		
58	57.2	49.0	73.6
57	21.5	17.1	25.7

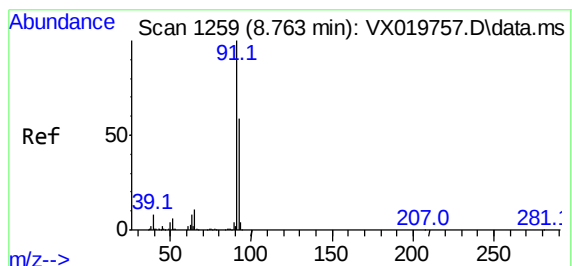
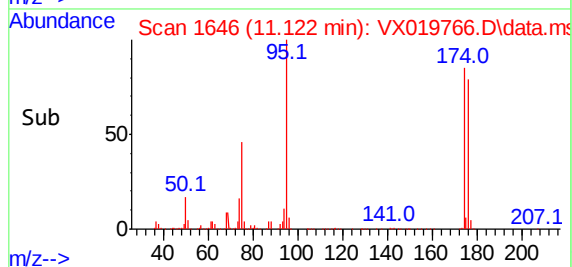
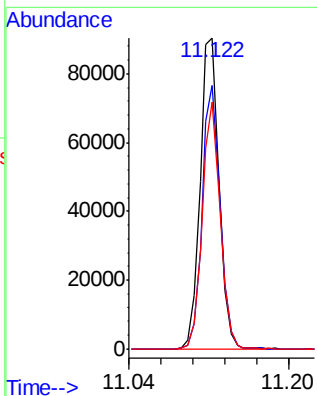
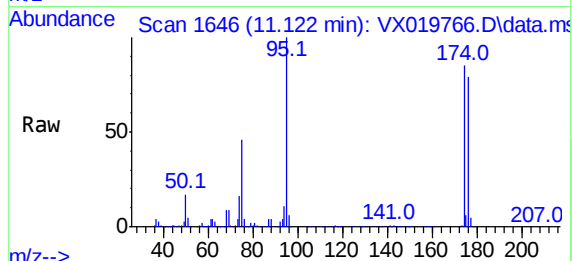




#60
4-Bromofluorobenzene
Concen: 27.78 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

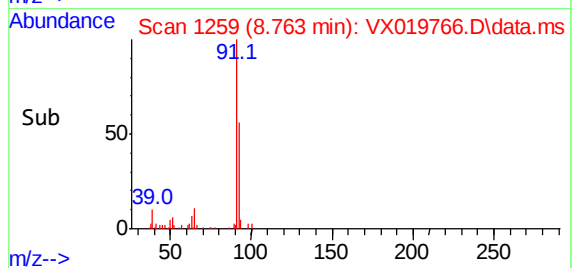
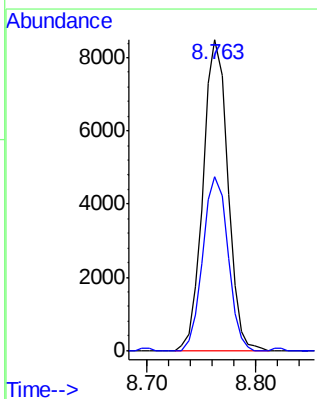
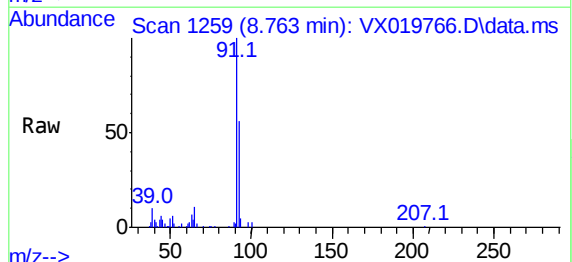
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(DEC)

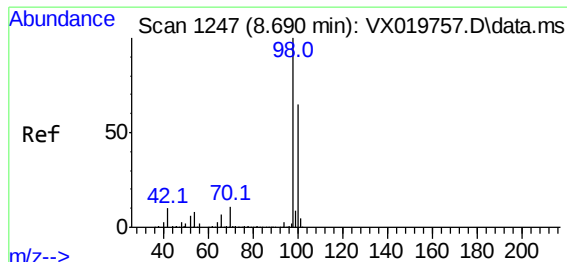
Tgt Ion: 95 Resp: 117401
Ion Ratio Lower Upper
95 100
174 79.9 63.0 94.4
176 74.5 59.9 89.9



#62
Toluene
Concen: 0.96 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

Tgt Ion: 91 Resp: 13284
Ion Ratio Lower Upper
91 100
92 56.7 47.2 70.8

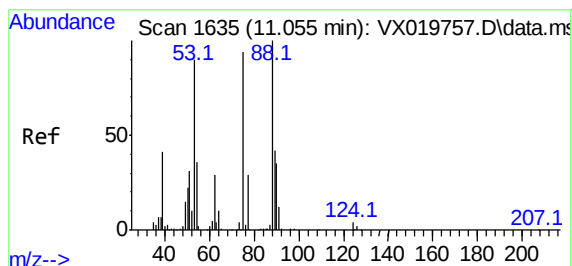
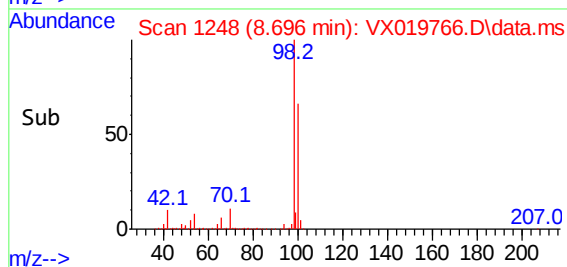
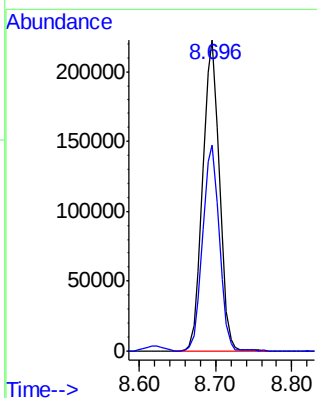
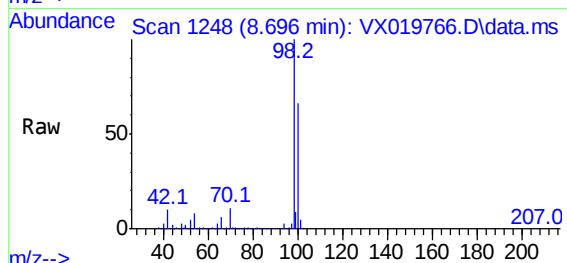




#63
Toluene-d8
Concen: 30.43 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

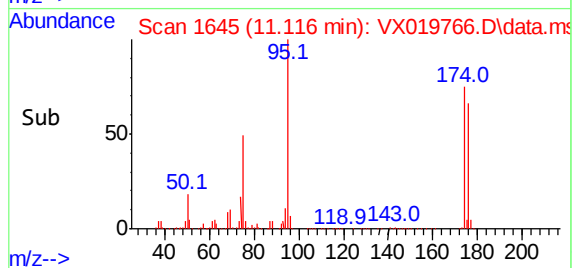
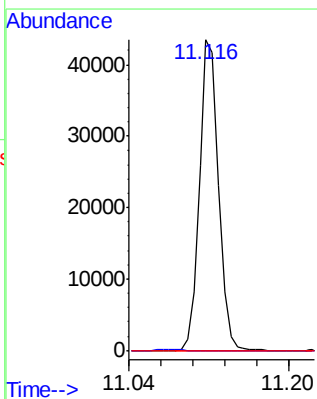
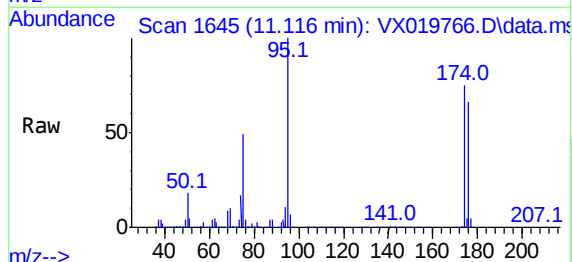
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(DEC)

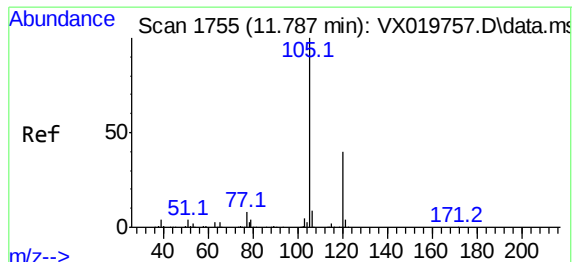
Tgt Ion: 98 Resp: 335538
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4



#77
t-1,4-Dichloro-2-butene
Concen: 31.97 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX019766.D
Acq: 08 Dec 2020 18:07

Tgt Ion: 75 Resp: 56844
Ion Ratio Lower Upper
75 100
53 0.0 48.4 145.0#
89 0.0 22.7 68.0#





#80
 1,2,4-Trimethylbenzene
 Concen: 0.24 ug/l
 RT: 11.793 min Scan# 1756
 Delta R.T. 0.006 min
 Lab File: VX019766.D
 Acq: 08 Dec 2020 18:07

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(DEC)

Tgt Ion:105 Resp: 3152
 Ion Ratio Lower Upper
 105 100
 120 12.2 0.0 89.8

