

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020285.D
 Acq On : 22 Dec 2020 05:40
 Operator : JC/MD
 Sample : L5158-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 32841

Quant Time: Dec 22 06:57:40 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)

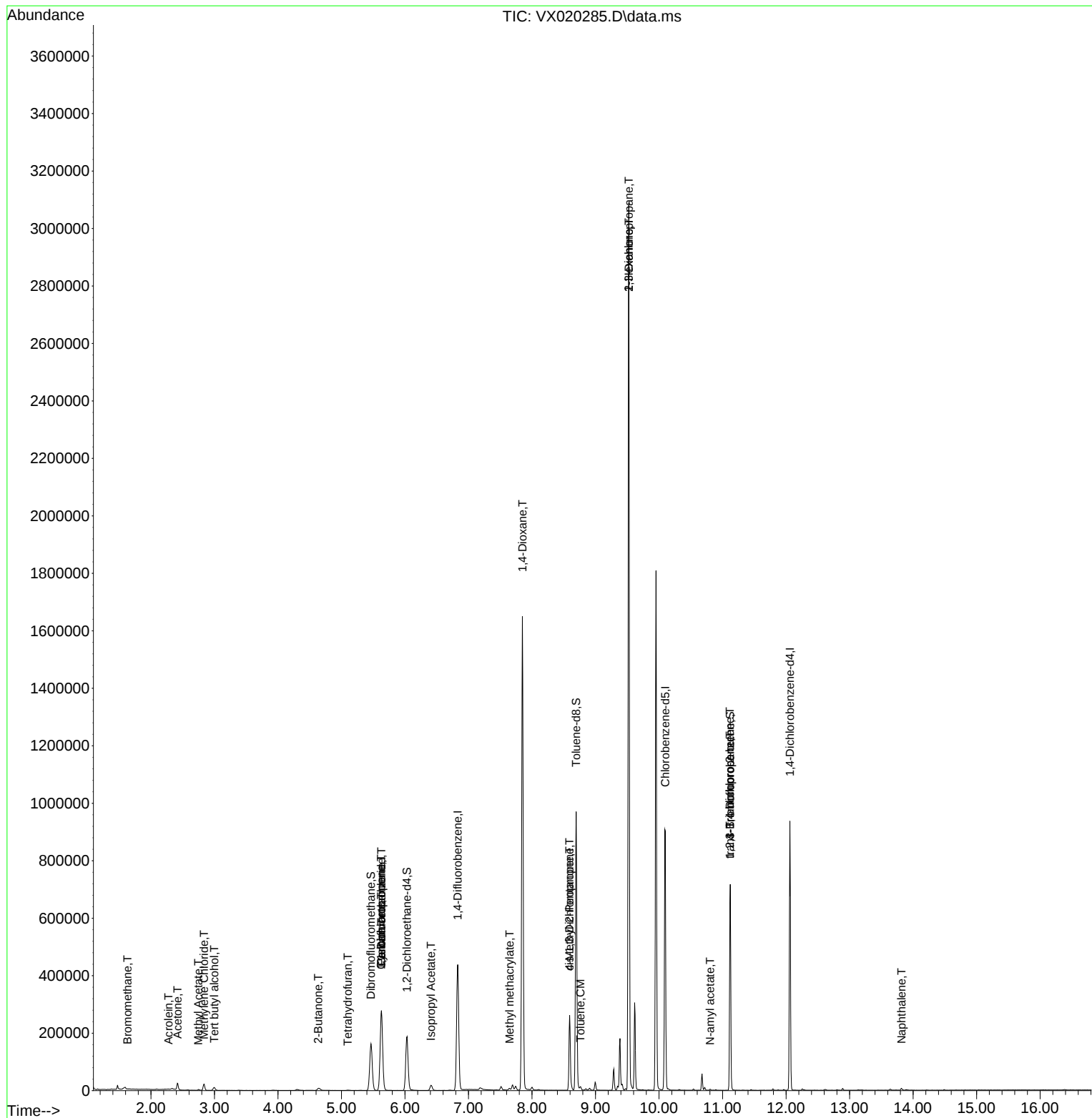
Internal Standards						
1) Pentafluorobenzene	5.629	168	261835	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	442566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	429496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	182550	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	177599	50.60	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.20%			
35) Dibromofluoromethane	5.464	113	142406	50.30	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.60%			
50) Toluene-d8	8.695	98	561819	51.55	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.10%			
62) 4-Bromofluorobenzene	11.122	95	197473	47.35	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 94.70%			
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	359	0.31	ug/l #	64
11) Tert butyl alcohol	2.995	59	6969	8.87	ug/l #	81
13) Acrolein	2.276	56	575	1.17	ug/l #	67
16) Acetone	2.416	43	23401	14.62	ug/l	96
18) Methyl Acetate	2.745	43	3334	0.93	ug/l	94
20) Methylene Chloride	2.837	84	10058	2.79	ug/l	93
25) 2-Butanone	4.635	43	10429	4.48	ug/l	94
29) Tetrahydrofuran	5.099	42	1187	0.81	ug/l #	63
31) Cyclohexane	5.623	56	5125	1.06	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	20333	4.65	ug/l #	48
38) Carbon Tetrachloride	5.629	117	26034	6.26	ug/l #	18
43) Isopropyl Acetate	6.409	43	24118	3.36	ug/l	97
48) Methyl methacrylate	7.647	41	7384	2.10	ug/l #	10
49) 1,4-Dioxane	7.848	88	271	3.29	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	82406	18.55	ug/l #	48
52) Toluene	8.763	92	3220	0.39	ug/l	96
54) cis-1,3-Dichloropropene	8.592	75	42709	7.88	ug/l #	61
57) 1,3-Dichloropropane	9.525	76	26344	4.52	ug/l #	43
59) 2-Hexanone	9.525	43	326056	96.31	ug/l #	46
74) N-amyl acetate	10.805	43	1744	0.33	ug/l #	44
76) 1,2,3-Trichloropropane	11.116	75	94753	21.07	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	94753	62.52	ug/l #	12
95) Naphthalene	13.817	128	4017	0.32	ug/l	98

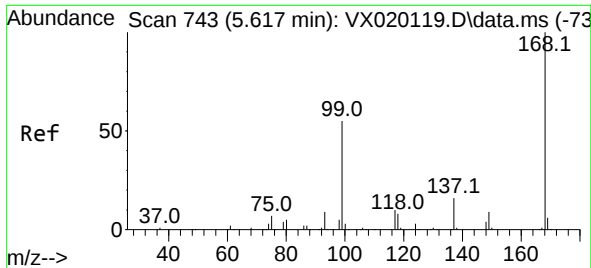
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
32841

Quant Time: Dec 22 06:57:40 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

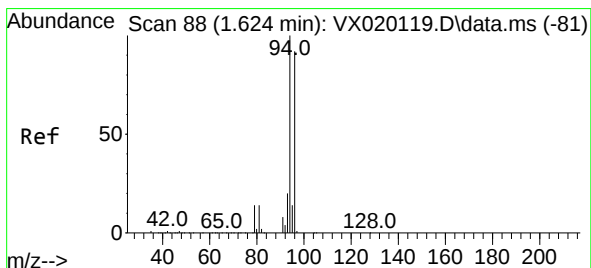
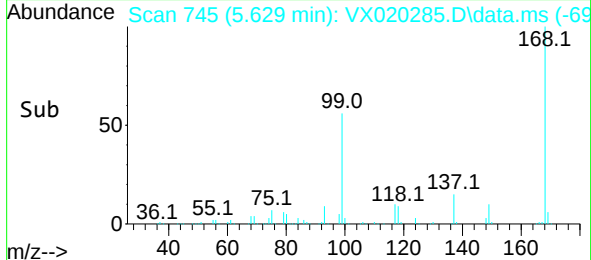
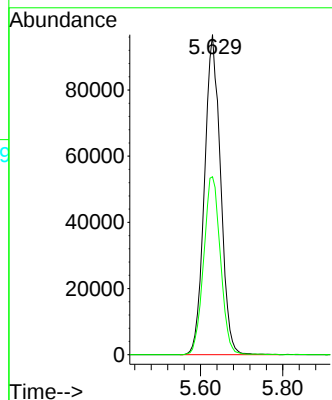
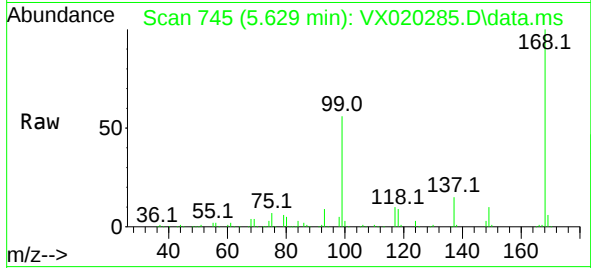




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

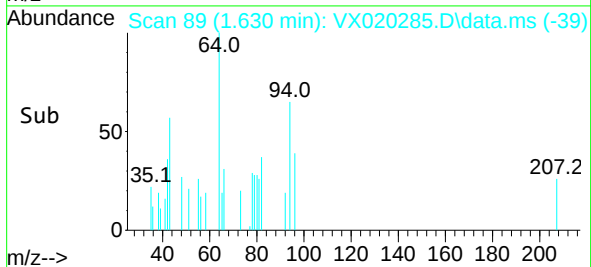
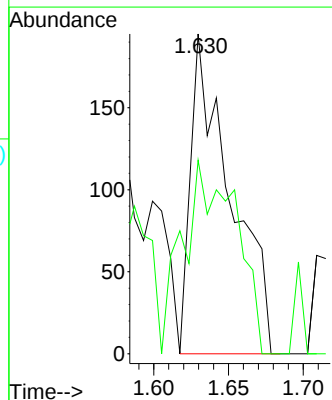
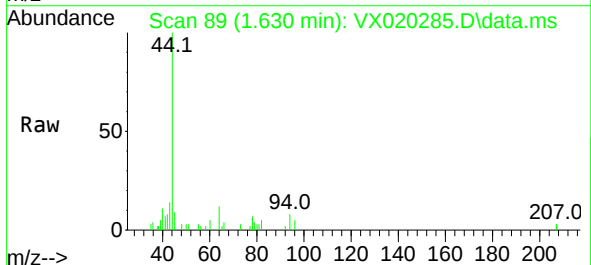
Instrument :
MSVOA_X
ClientSampleId :
32841

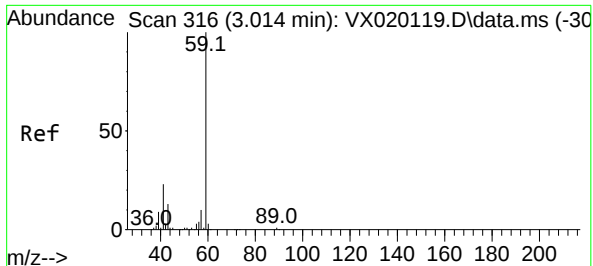
Tgt Ion:168 Resp: 261835
Ion Ratio Lower Upper
168 100
99 55.6 45.8 68.6



#5
Bromomethane
Concen: 0.31 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

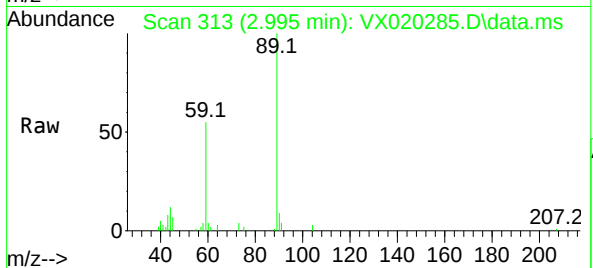
Tgt Ion: 94 Resp: 359
Ion Ratio Lower Upper
94 100
96 60.5 76.4 114.6#



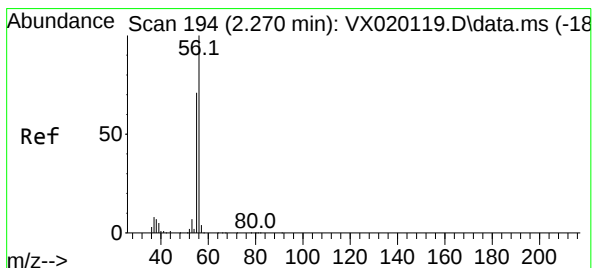
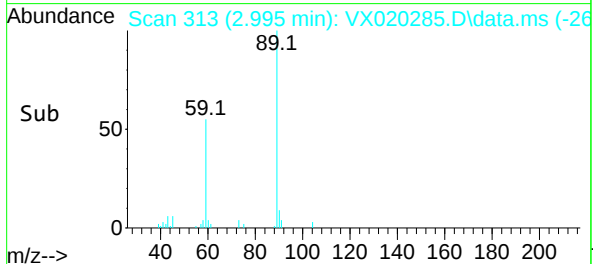
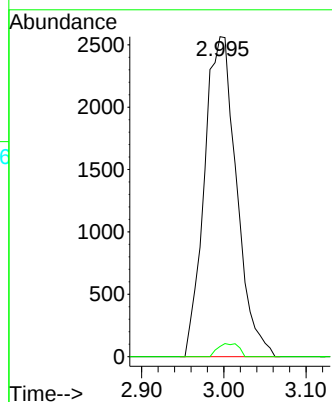


#11
Tert butyl alcohol
Concen: 8.87 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

Instrument :
MSVOA_X
ClientSampled :
32841

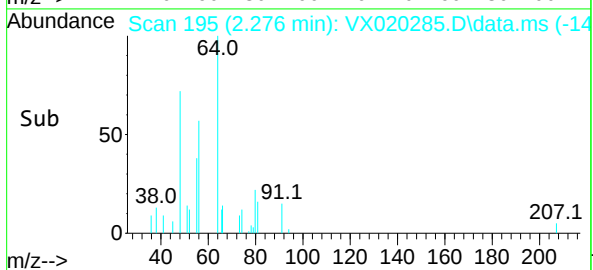
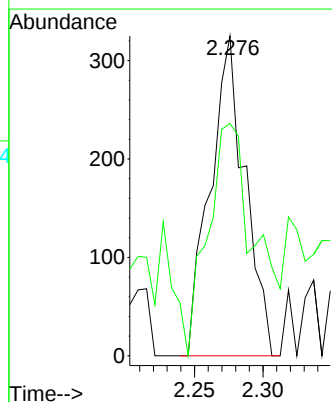
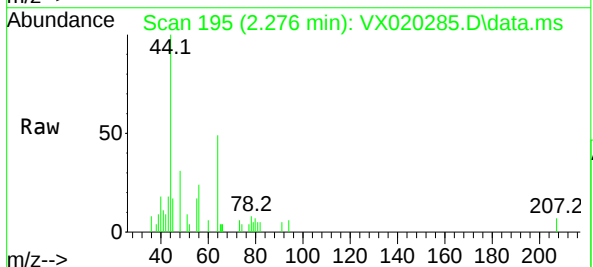


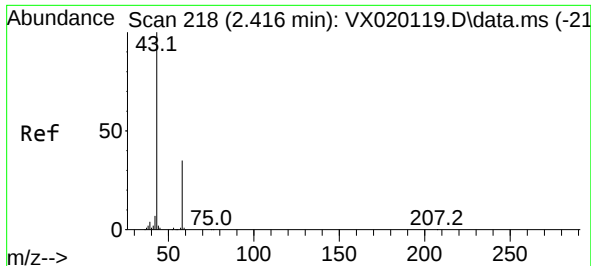
Tgt Ion: 59 Resp: 6969
Ion Ratio Lower Upper
59 100
57 2.7 7.8 11.8#



#13
Acrolein
Concen: 1.17 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

Tgt Ion: 56 Resp: 575
Ion Ratio Lower Upper
56 100
55 97.9 56.4 84.6#

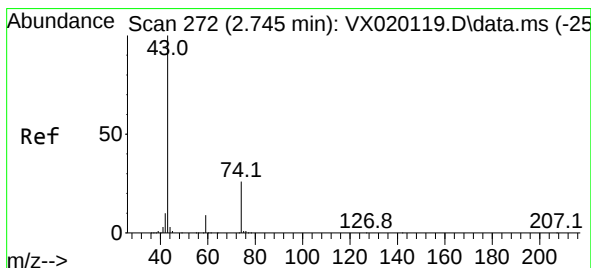
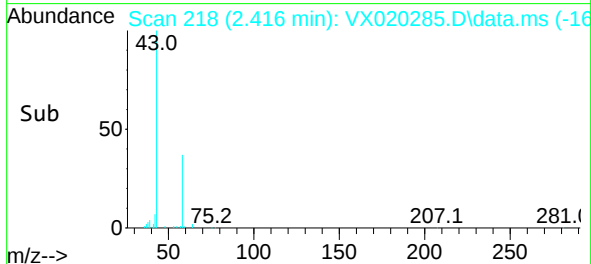
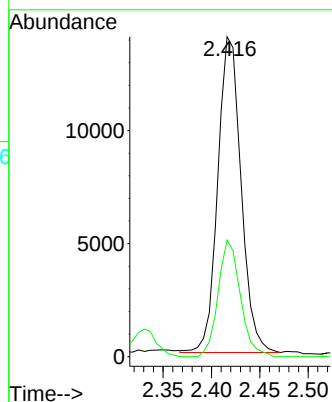
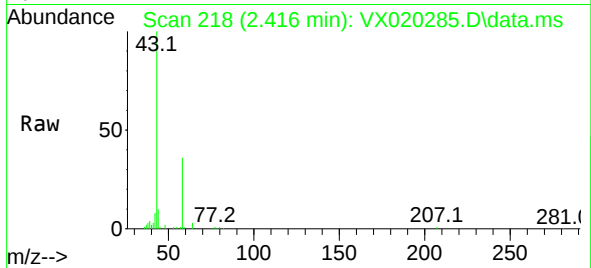




#16
Acetone
Concen: 14.62 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

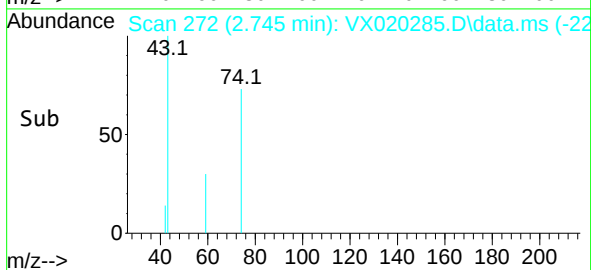
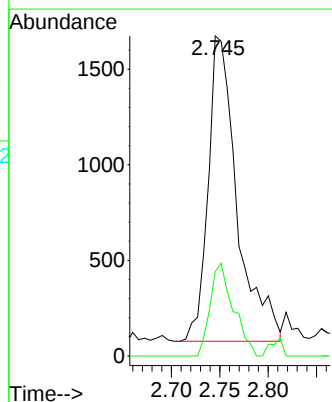
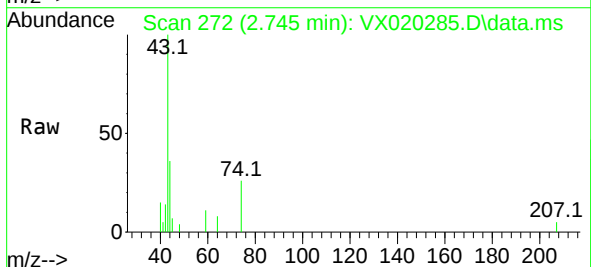
Instrument :
MSVOA_X
ClientSampleId :
32841

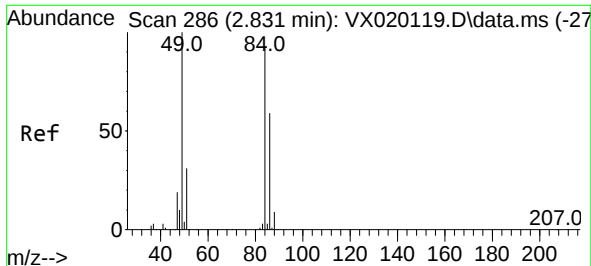
Tgt Ion: 43 Resp: 23401
Ion Ratio Lower Upper
43 100
58 36.9 27.8 41.8



#18
Methyl Acetate
Concen: 0.93 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

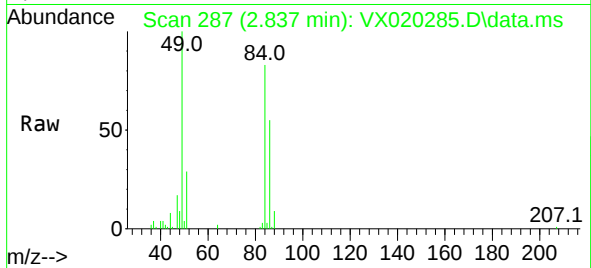
Tgt Ion: 43 Resp: 3334
Ion Ratio Lower Upper
43 100
74 24.3 21.9 32.9



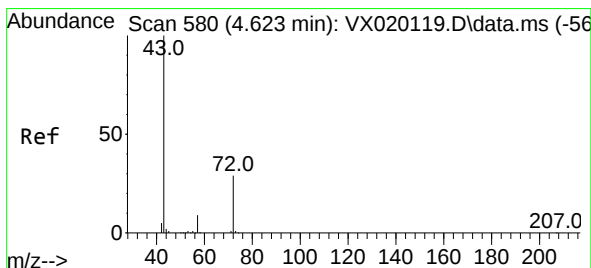
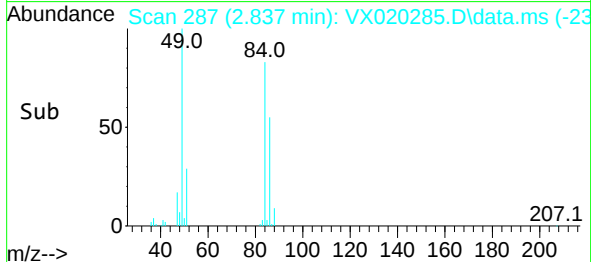
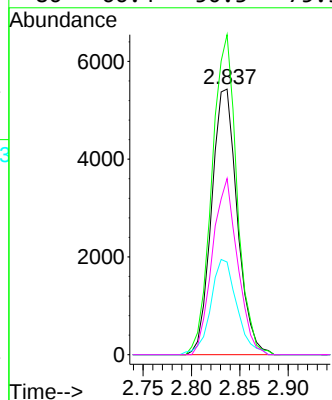


#20
Methylene Chloride
Concen: 2.79 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

Instrument :
MSVOA_X
ClientSampleId :
32841

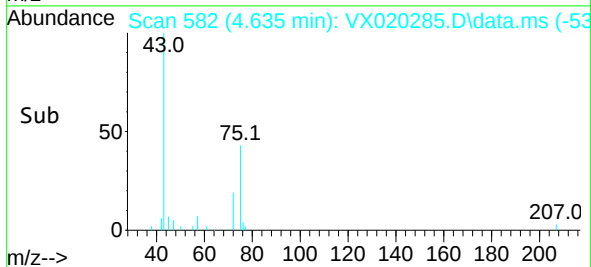
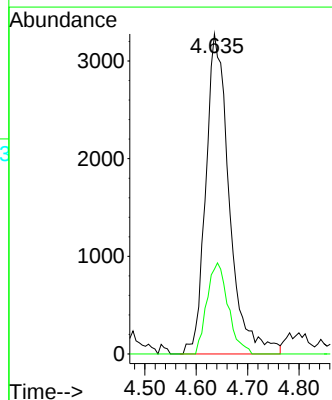
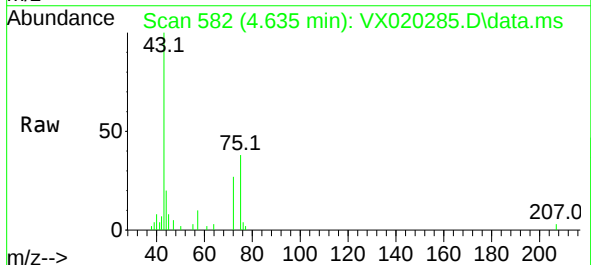


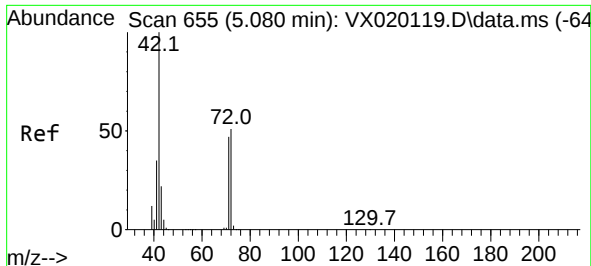
Tgt Ion:	84	Resp:	10058
Ion	Ratio	Lower	Upper
84	100		
49	120.5	88.6	132.8
51	34.9	27.0	40.6
86	66.4	50.3	75.5



#25
2-Butanone
Concen: 4.48 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.012 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

Tgt Ion:	43	Resp:	10429
Ion	Ratio	Lower	Upper
43	100		
72	26.5	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.81 ug/l

RT: 5.099 min Scan# 658

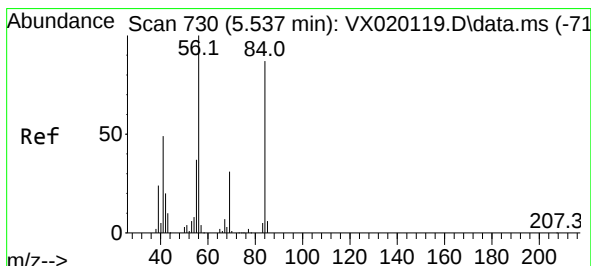
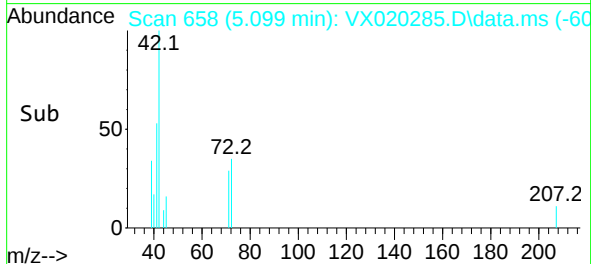
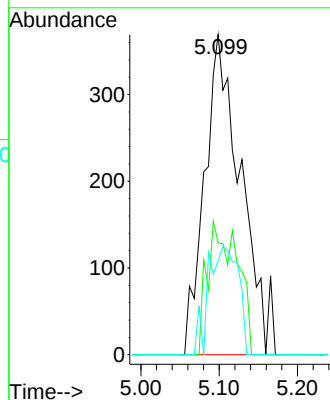
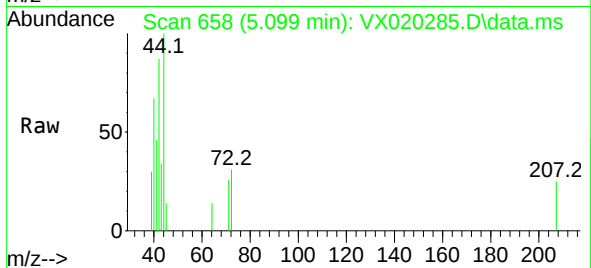
Delta R.T. 0.019 min

Lab File: VX020285.D

Acq: 22 Dec 2020 05:40

Tgt Ion:	42	Resp:	1187
Ion	Ratio	Lower	Upper
42	100		
72	21.6	41.7	62.5#
71	28.1	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
32841



#31

Cyclohexane

Concen: 1.06 ug/l

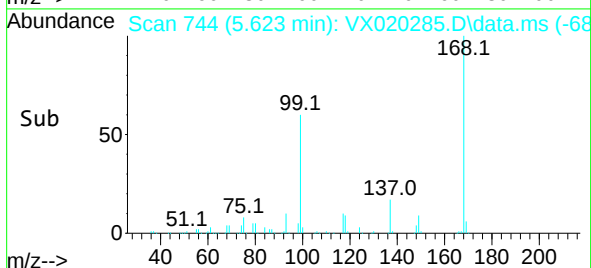
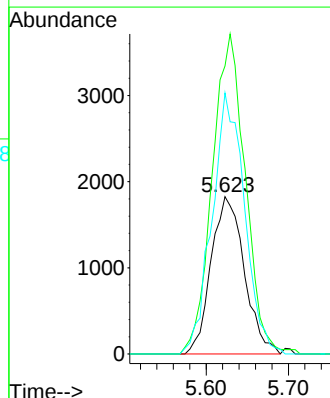
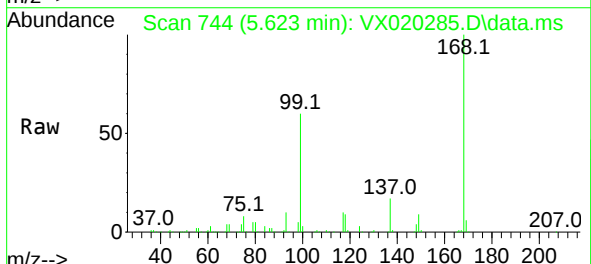
RT: 5.623 min Scan# 744

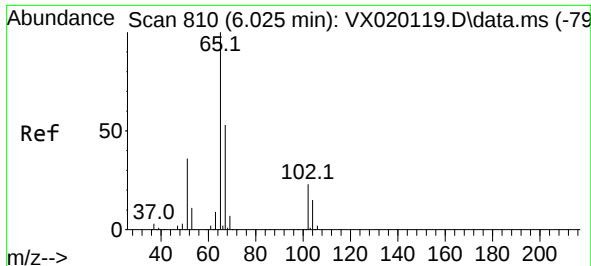
Delta R.T. 0.086 min

Lab File: VX020285.D

Acq: 22 Dec 2020 05:40

Tgt Ion:	56	Resp:	5125
Ion	Ratio	Lower	Upper
56	100		
69	183.1	25.3	37.9#
84	165.9	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.60 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020285.D

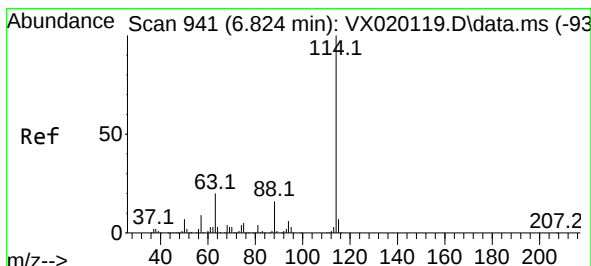
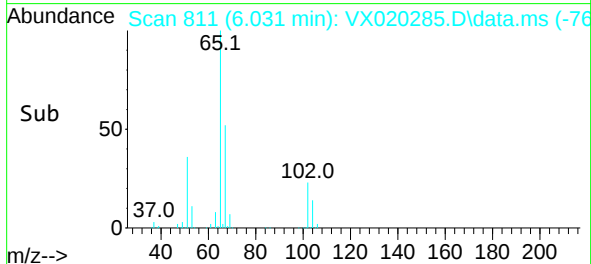
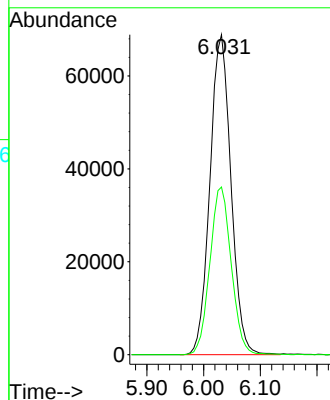
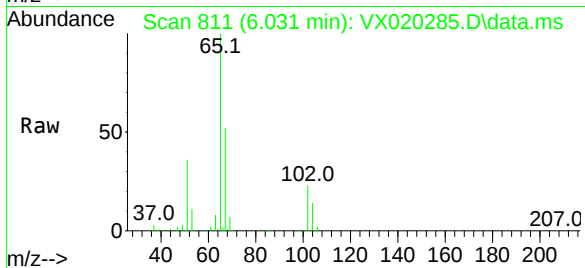
Acq: 22 Dec 2020 05:40

Tgt Ion: 65 Resp: 177599

Ion Ratio Lower Upper

65 100

67 53.2 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: VX020285.D

Acq: 22 Dec 2020 05:40

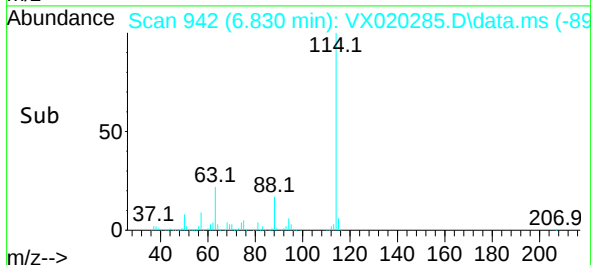
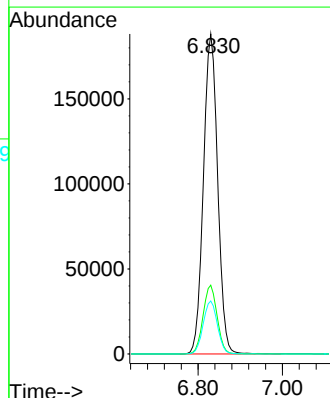
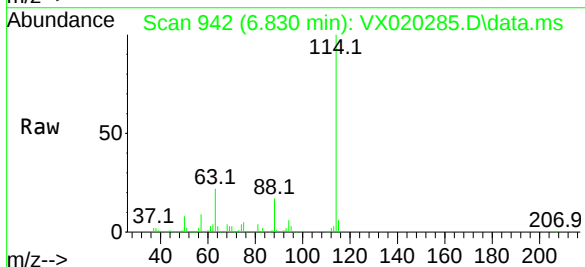
Tgt Ion: 114 Resp: 442566

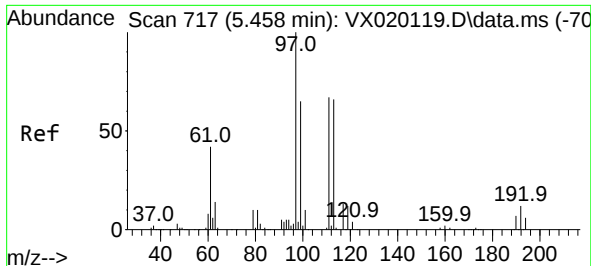
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.8

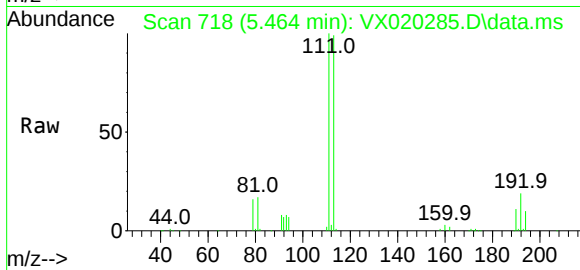
88 16.6 0.0 32.8



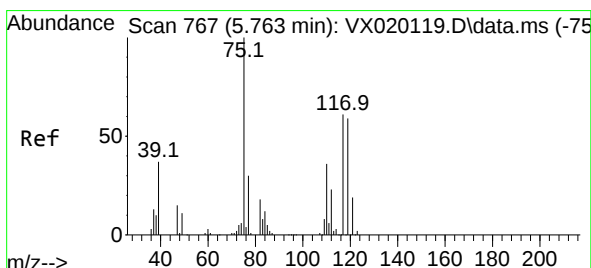
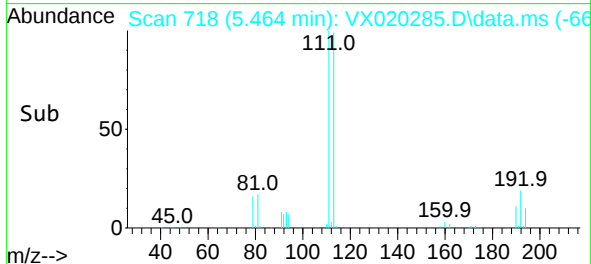
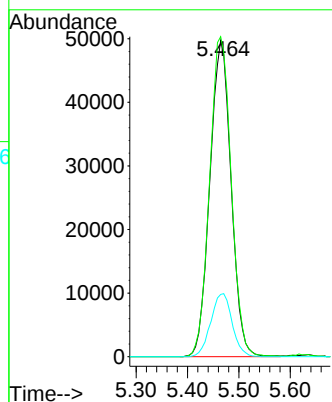


#35
Dibromofluoromethane
Concen: 50.30 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

Instrument :
MSVOA_X
ClientSampleId :
32841

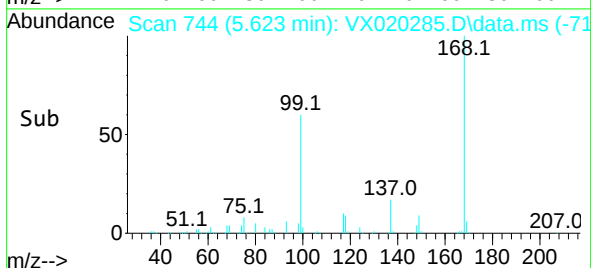
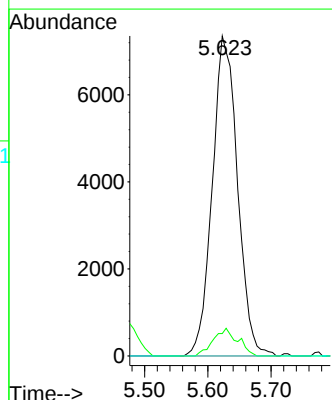
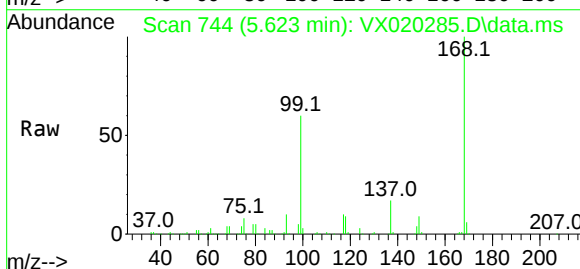


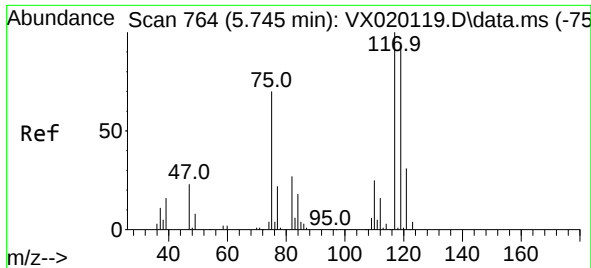
Tgt Ion:113 Resp: 142406
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.65 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

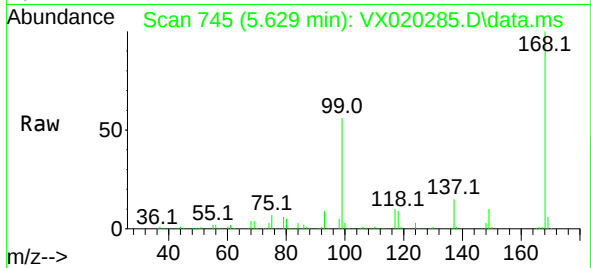
Tgt Ion: 75 Resp: 20333
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 25.3 37.9#



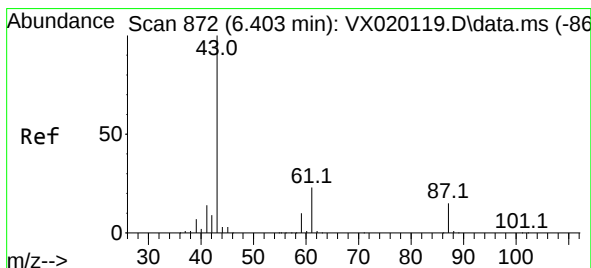
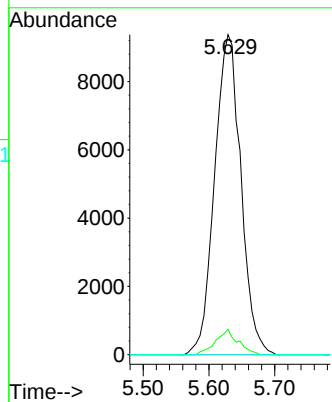
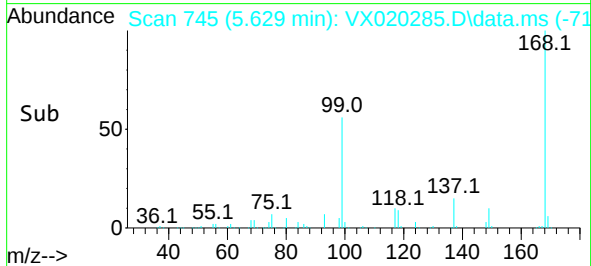


#38
Carbon Tetrachloride
Concen: 6.26 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

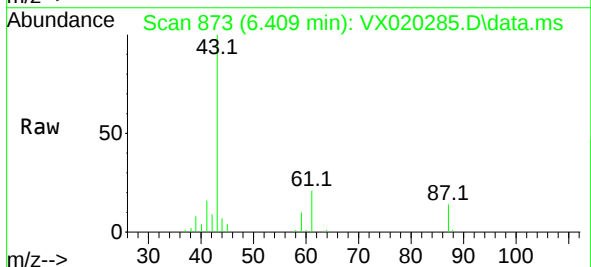
Instrument :
MSVOA_X
ClientSampled :
32841



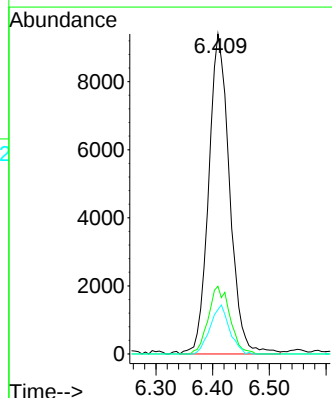
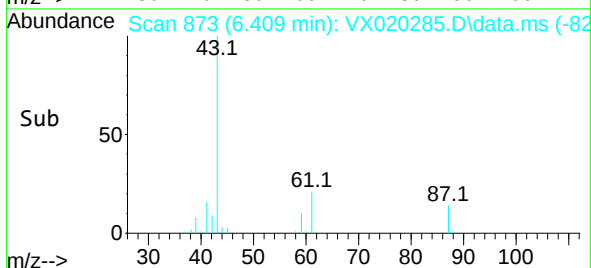
Tgt Ion:117 Resp: 26034
Ion Ratio Lower Upper
117 100
119 7.9 76.2 114.2#
121 0.0 24.8 37.2#

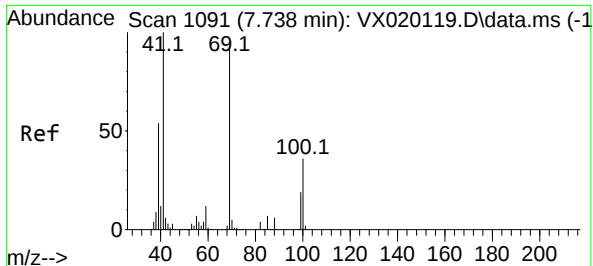


#43
Isopropyl Acetate
Concen: 3.36 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40



Tgt Ion: 43 Resp: 24118
Ion Ratio Lower Upper
43 100
61 21.8 18.2 27.4
87 14.0 12.5 18.7

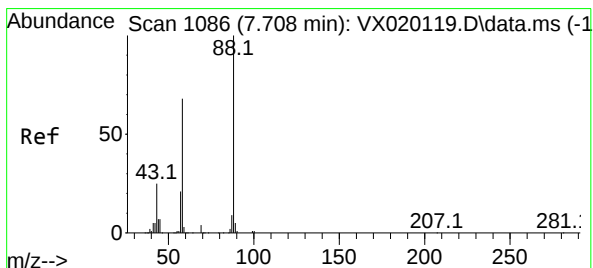
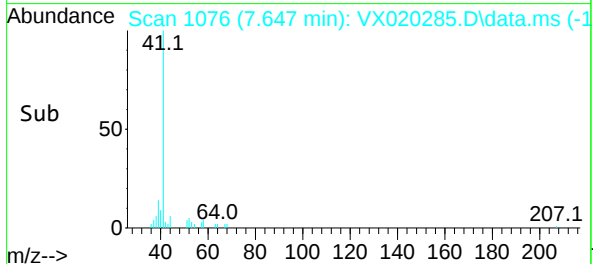
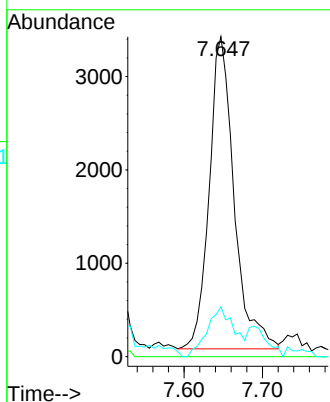
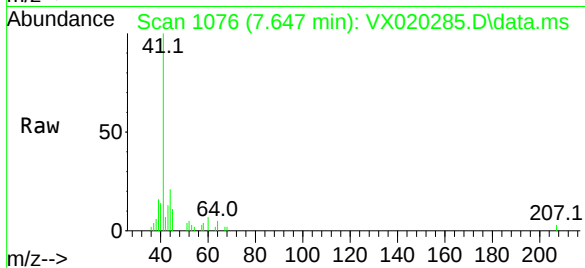




#48
Methyl methacrylate
Concen: 2.10 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.091 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

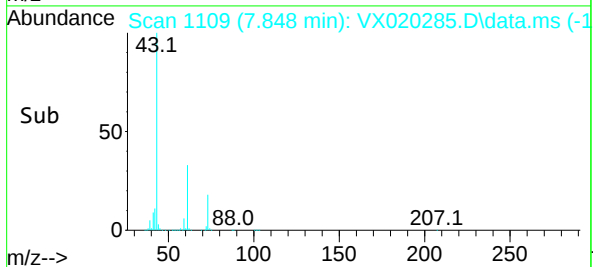
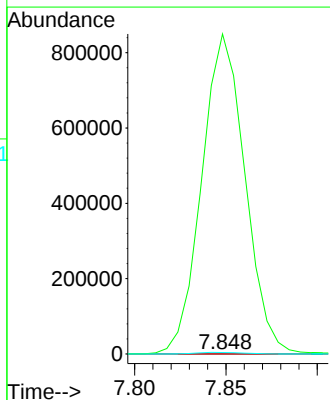
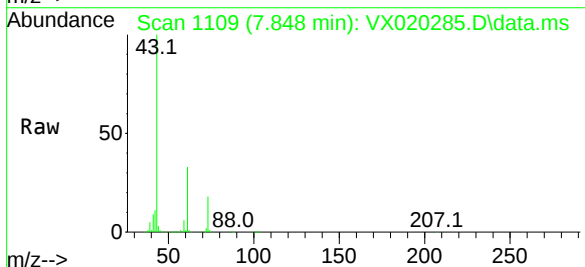
Instrument :
MSVOA_X
ClientSampled :
32841

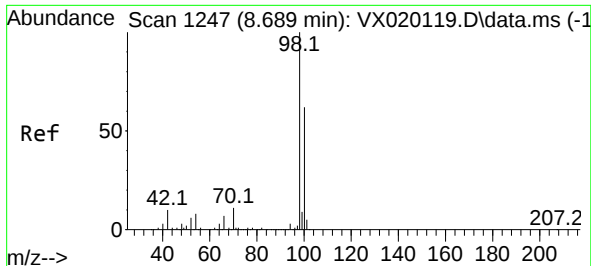
Tgt Ion: 41 Resp: 7384
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.29 ug/l
RT: 7.848 min Scan# 1109
Delta R.T. 0.140 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

Tgt Ion: 88 Resp: 271
Ion Ratio Lower Upper
88 100
43 518912.2 23.2 34.8#
58 2852.0 55.0 82.4#

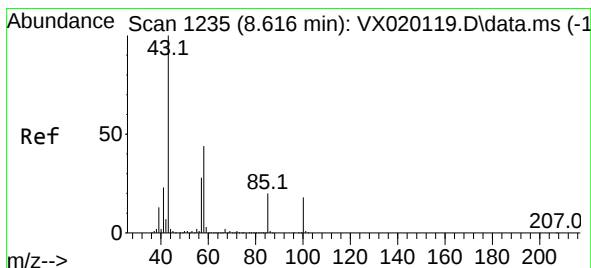
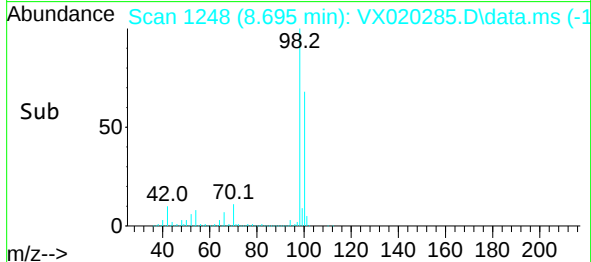
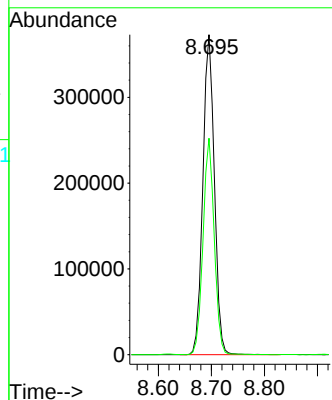
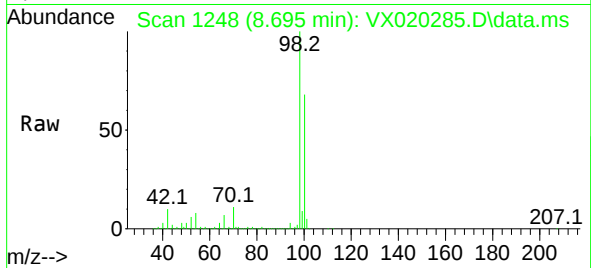




#50
Toluene-d8
Concen: 51.55 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

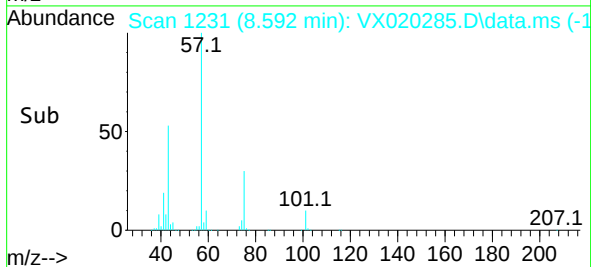
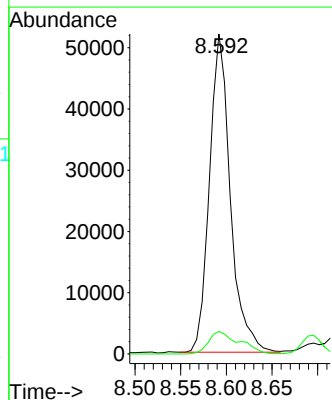
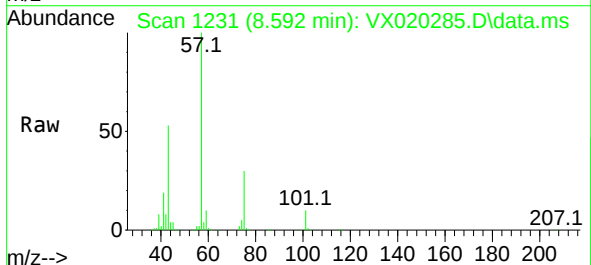
Instrument :
MSVOA_X
ClientSampleId :
32841

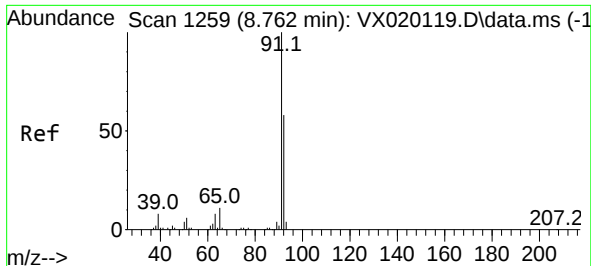
Tgt Ion: 98 Resp: 561819
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 18.55 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

Tgt Ion: 43 Resp: 82406
Ion Ratio Lower Upper
43 100
58 10.4 35.4 53.0#

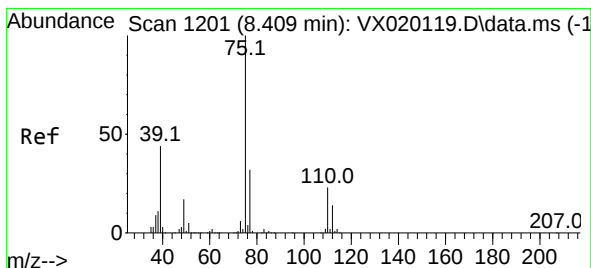
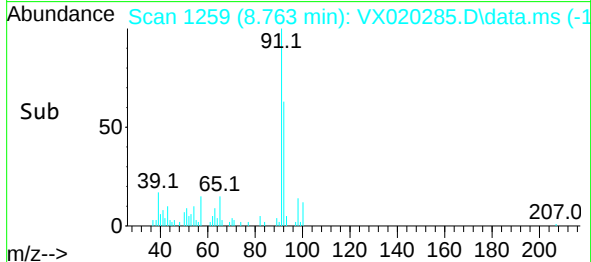
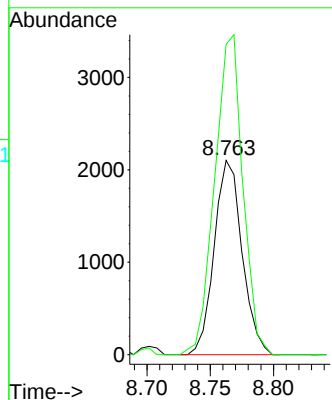
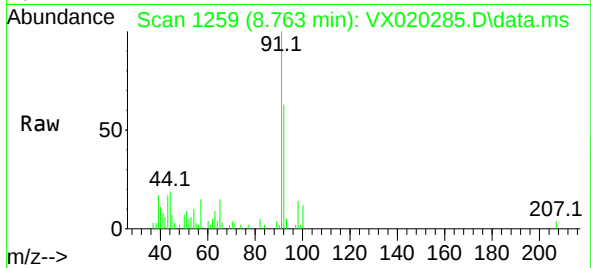




#52
Toluene
Concen: 0.39 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

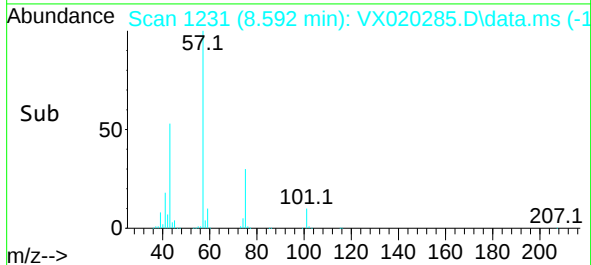
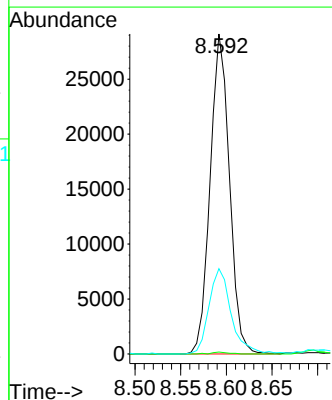
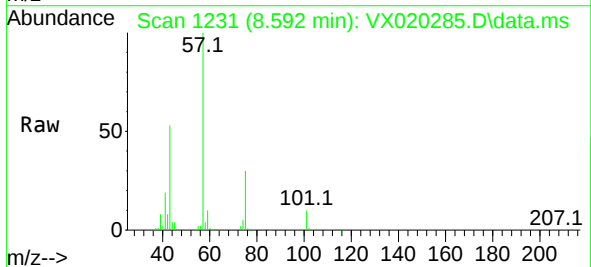
Instrument :
MSVOA_X
ClientSampled :
32841

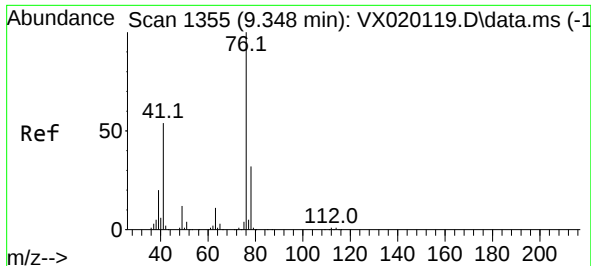
Tgt Ion: 92 Resp: 3220
Ion Ratio Lower Upper
92 100
91 166.3 137.1 205.7



#54
cis-1,3-Dichloropropene
Concen: 7.88 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

Tgt Ion: 75 Resp: 42709
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 26.6 35.1 52.7#

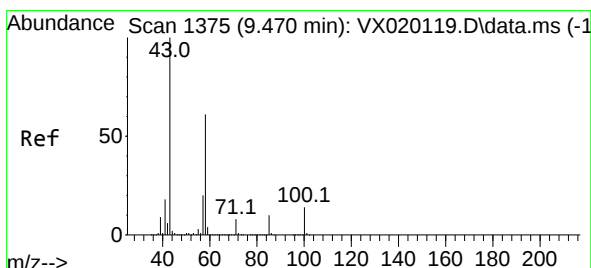
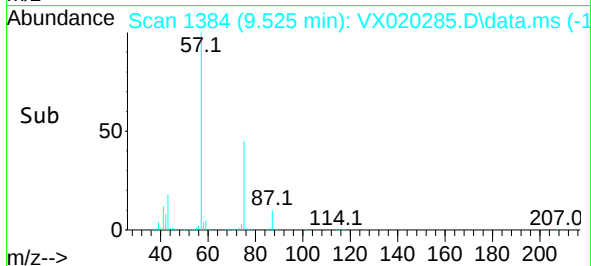
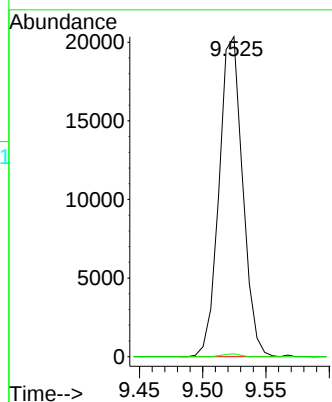
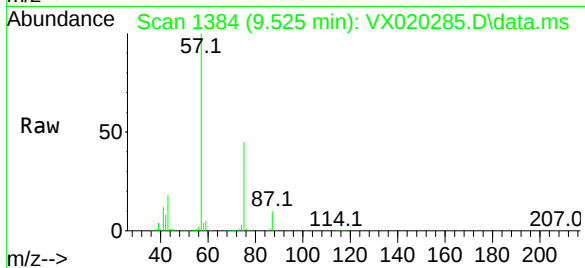




#57
1,3-Dichloropropane
Concen: 4.52 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

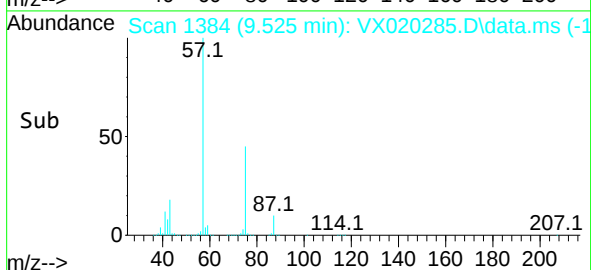
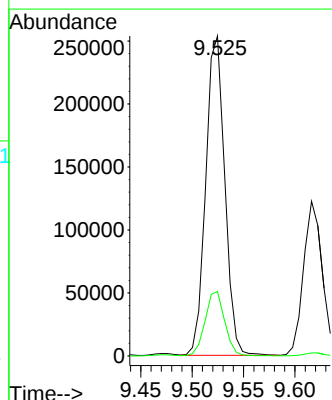
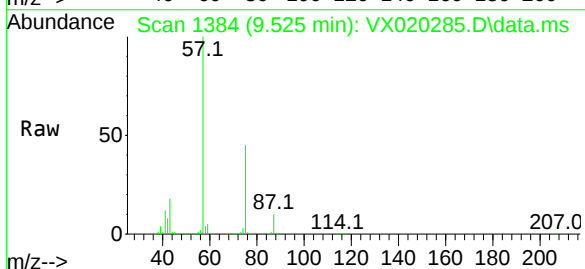
Instrument :
MSVOA_X
ClientSampled :
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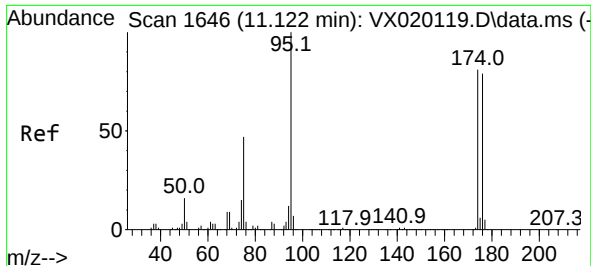
Tgt Ion: 76 Resp: 26344
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#



#59
2-Hexanone
Concen: 96.31 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

Tgt Ion: 43 Resp: 326056
Ion Ratio Lower Upper
43 100
58 20.7 30.9 92.8#

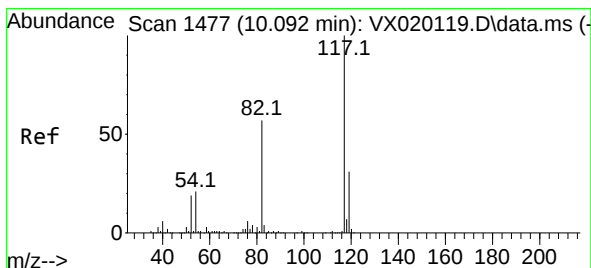
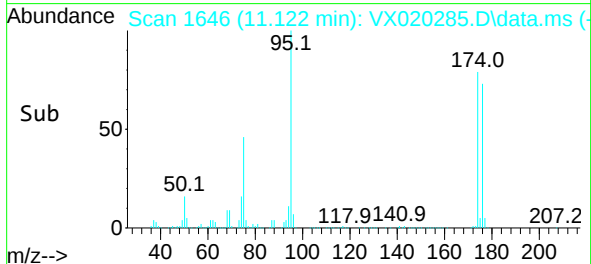
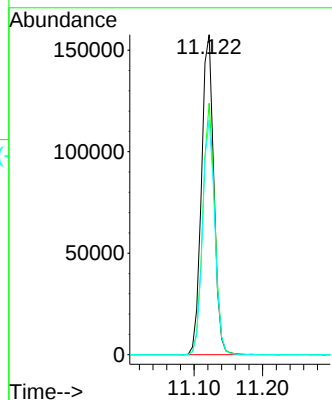
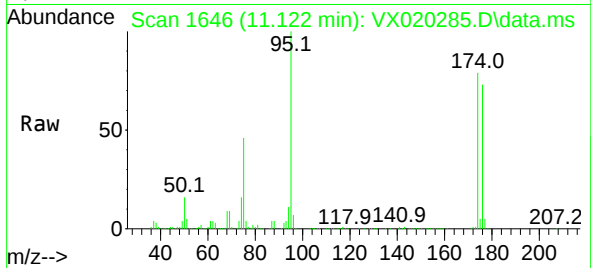




#62
4-Bromofluorobenzene
Concen: 47.35 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

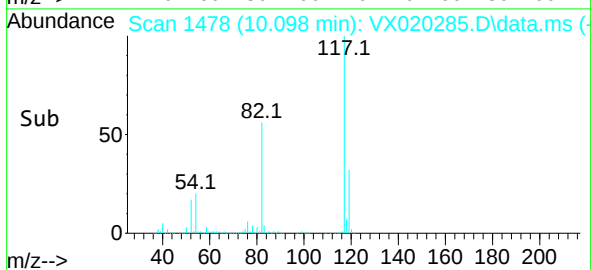
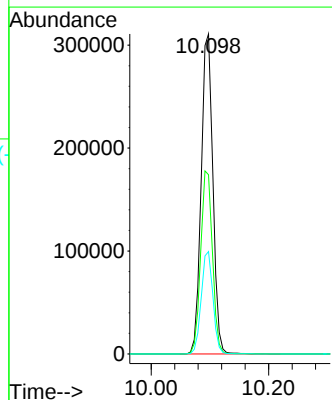
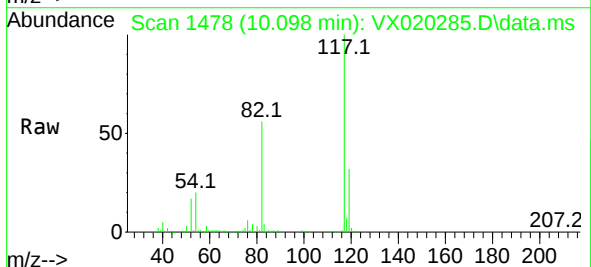
Instrument :
MSVOA_X
ClientSampleId :
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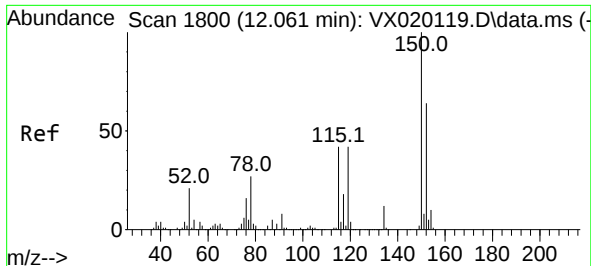
Tgt Ion: 95 Resp: 197473
Ion Ratio Lower Upper
95 100
174 77.0 0.0 154.6
176 72.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

Tgt Ion: 117 Resp: 429496
Ion Ratio Lower Upper
117 100
82 56.0 47.4 71.2
119 32.0 26.6 39.8

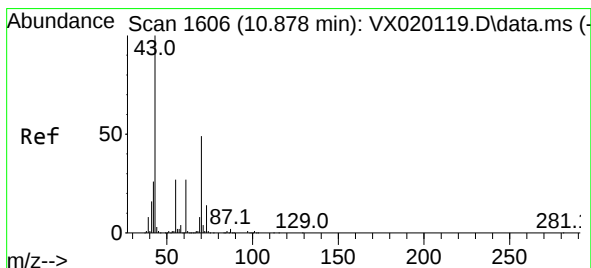
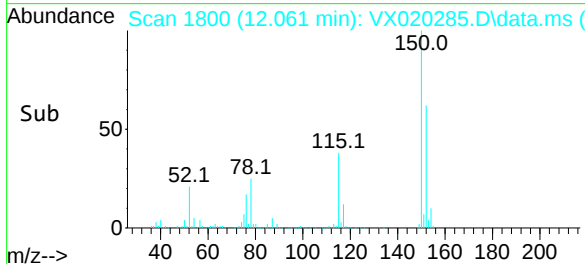
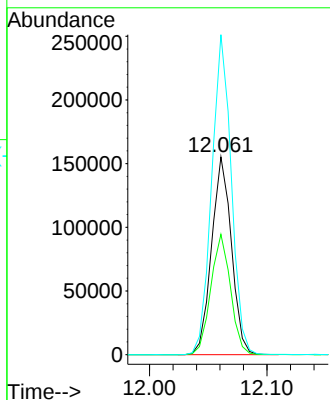
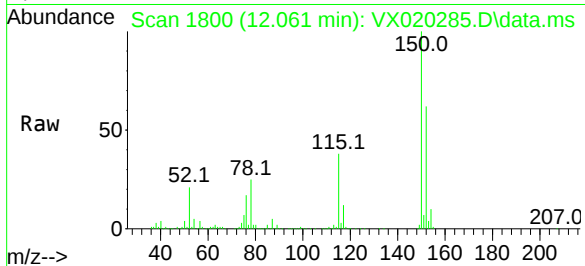




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

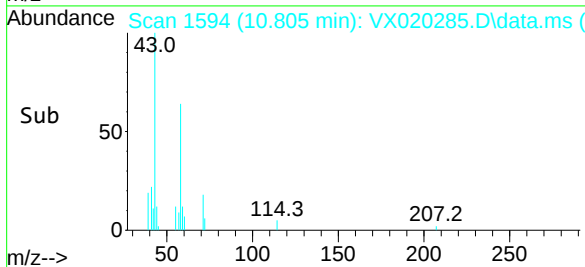
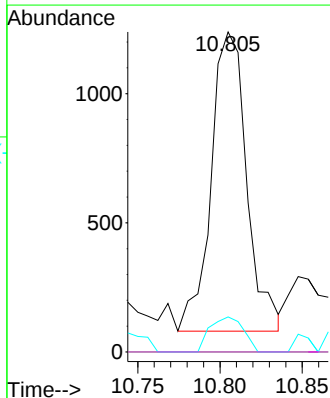
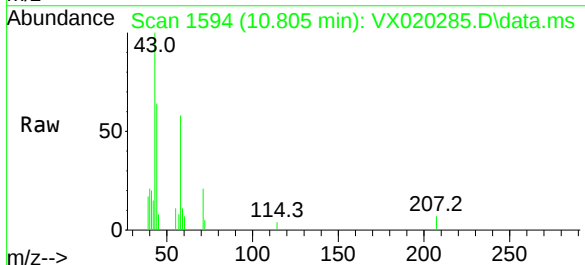
Instrument :
MSVOA_X
ClientSampled :
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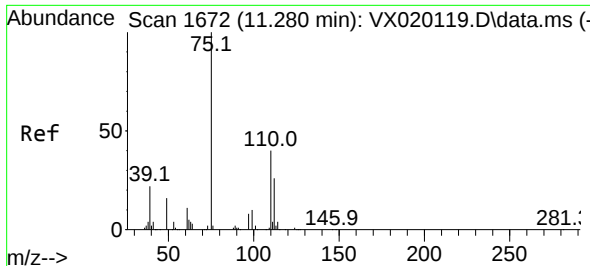
Tgt Ion:152 Resp: 182550
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 159.5 0.0 349.0



#74
N-ethyl acetate
Concen: 0.33 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.073 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

Tgt Ion: 43 Resp: 1744
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 11.0 21.5 32.3#
61 0.0 22.1 33.1#

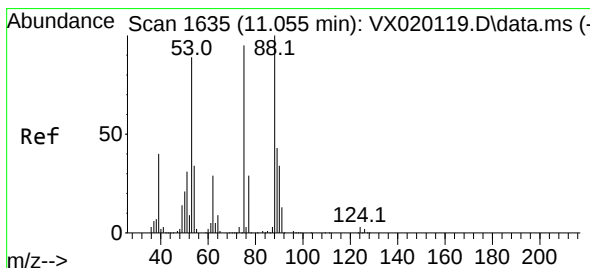
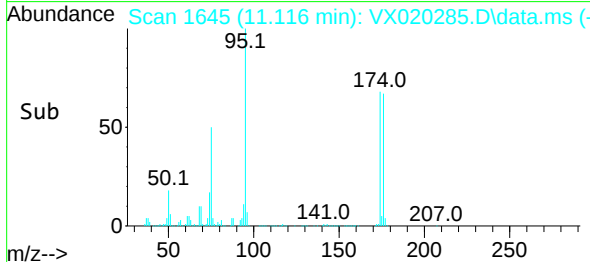
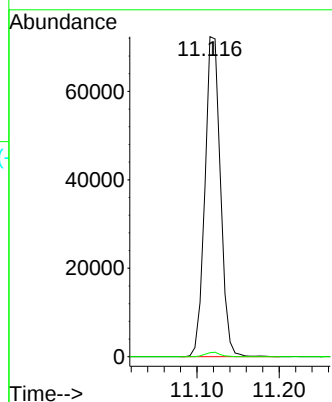
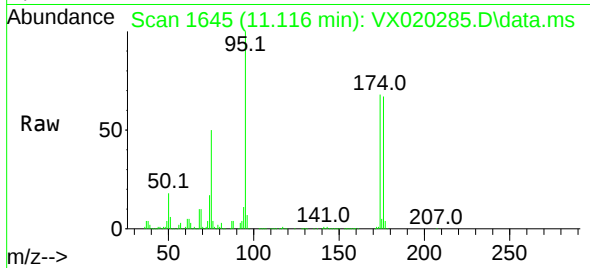




#76
1,2,3-Trichloropropane
Concen: 21.07 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

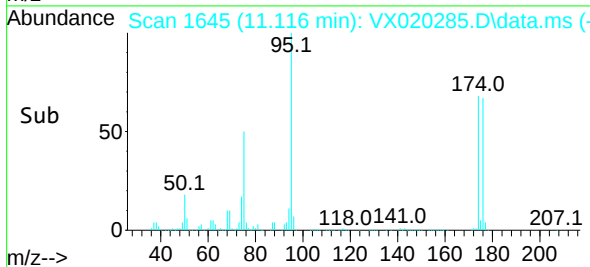
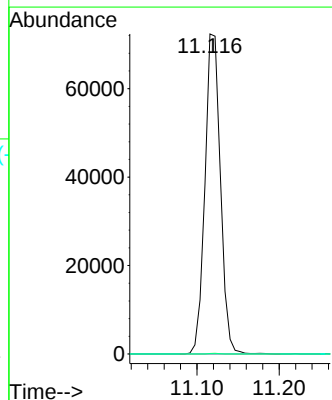
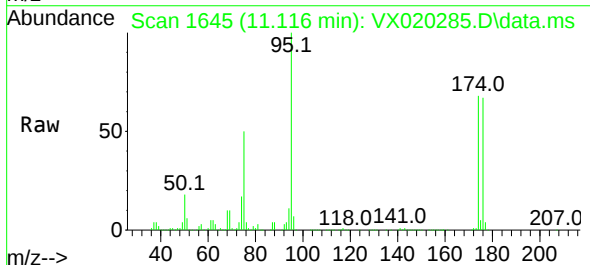
Instrument :
MSVOA_X
ClientSampled :
32841

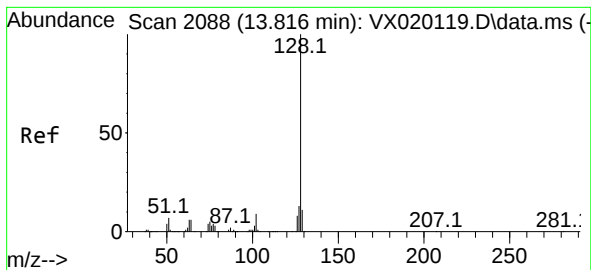
Tgt Ion: 75 Resp: 94753
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.52 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

Tgt Ion: 75 Resp: 94753
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 0.32 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. 0.001 min
Lab File: VX020285.D
Acq: 22 Dec 2020 05:40

Instrument :
MSVOA_X
ClientSampleId :
32841

Tgt Ion:	128	Resp:	4017
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.3	15.5
129	11.8	8.8	13.2

