

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030621\
 Data File : VX021018.D
 Acq On : 04 Mar 2021 16:45
 Operator : JC/MD
 Sample : M1507-08 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 05 01:22:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

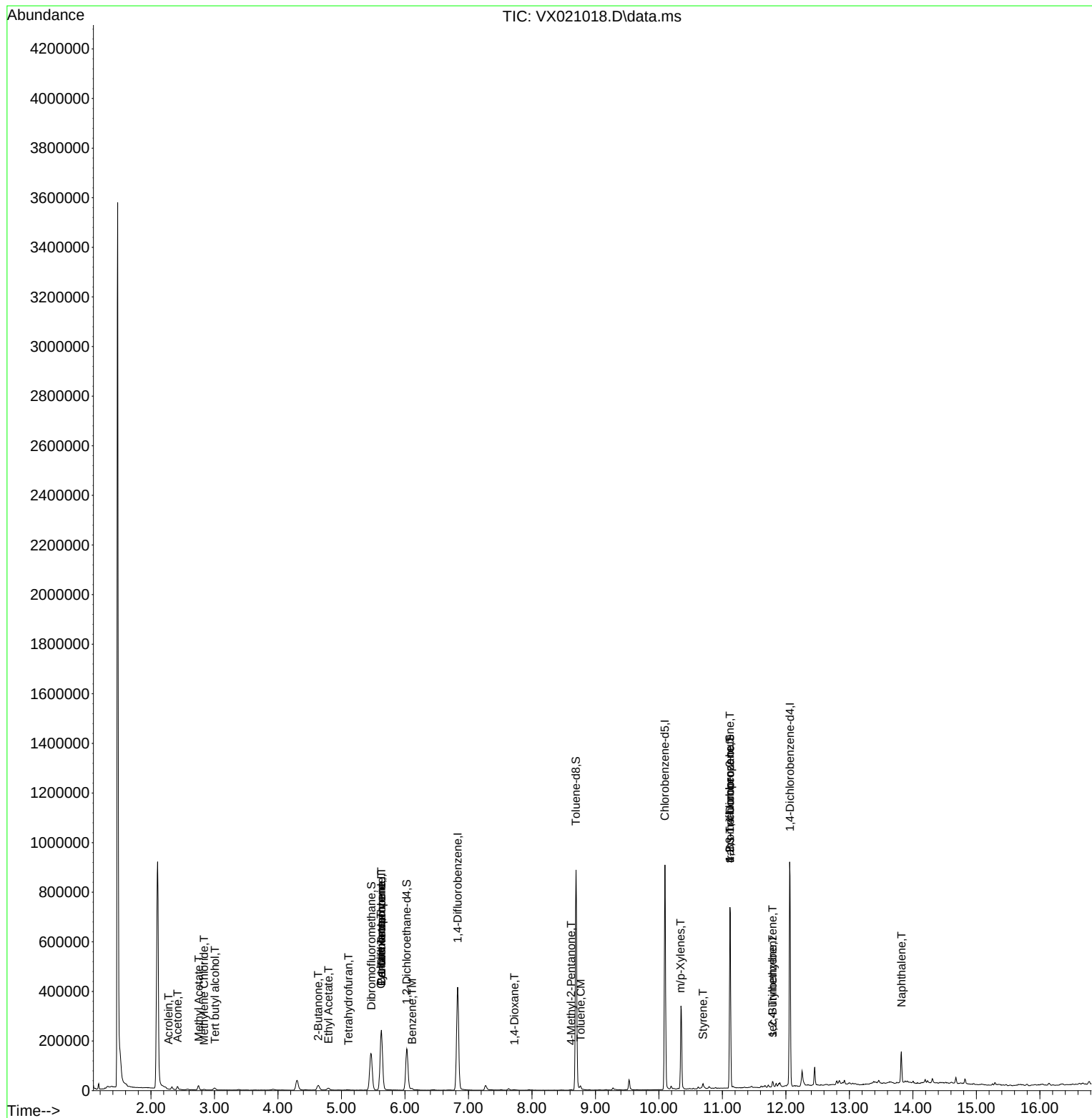
Internal Standards						
1) Pentafluorobenzene	5.629	168	231331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	437537	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	421296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	198521	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	156983	50.24	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.48%			
35) Dibromofluoromethane	5.470	113	133347	50.16	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.32%			
50) Toluene-d8	8.694	98	533891	51.51	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.02%			
62) 4-Bromofluorobenzene	11.118	95	205141	53.52	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.04%			
Target Compounds						Qvalue
5) Bromomethane	1.640	94	299	Below Cal	#	54
11) Tert butyl alcohol	3.005	59	8575	12.32	ug/l	95
13) Acrolein	2.275	56	373	0.87	ug/l #	14
16) Acetone	2.417	43	12708	9.87	ug/l	96
18) Methyl Acetate	2.752	43	20778	6.82	ug/l	100
20) Methylene Chloride	2.834	84	1156	0.37	ug/l	94
25) 2-Butanone	4.635	43	30339	15.51	ug/l	100
29) Tetrahydrofuran	5.111	42	472	0.38	ug/l #	52
31) Cyclohexane	5.623	56	4750	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	17976	4.32	ug/l #	48
37) Ethyl Acetate	4.793	43	13419	3.39	ug/l	94
38) Carbon Tetrachloride	5.629	117	22469	5.58	ug/l #	17
40) Benzene	6.111	78	5539	0.44	ug/l #	76
49) 1,4-Dioxane	7.723	88	1383	17.55	ug/l #	87
51) 4-Methyl-2-Pentanone	8.617	43	1307	0.33	ug/l	94
52) Toluene	8.765	92	4945	0.64	ug/l	91
68) m/p-Xylenes	10.341	106	2017	0.34	ug/l	90
70) Styrene	10.694	104	7259	0.73	ug/l	92
76) 1,2,3-Trichloropropane	11.118	75	97905	22.92	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	97905	50.76	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.788	105	7455	0.56	ug/l #	55
85) sec-Butylbenzene	11.788	105	7455	0.50	ug/l #	59
95) Naphthalene	13.818	128	74297	5.10	ug/l	99

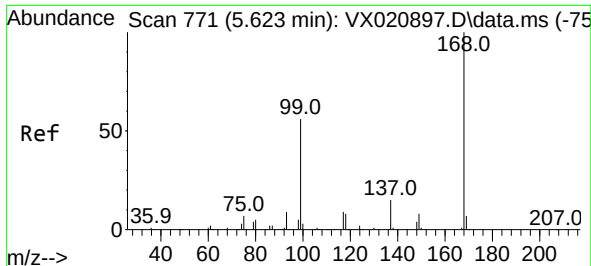
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 05 01:22:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 24 13:50:55 2021
Response via : Initial Calibration

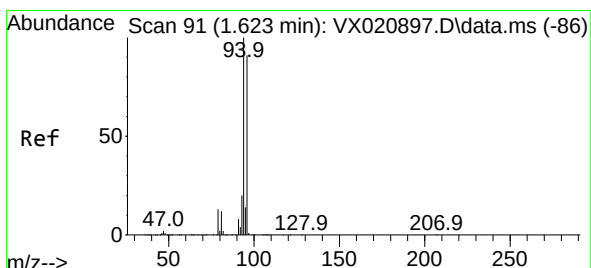
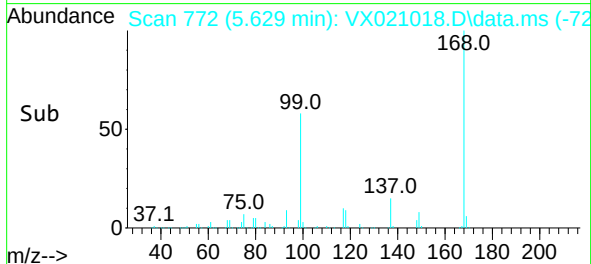
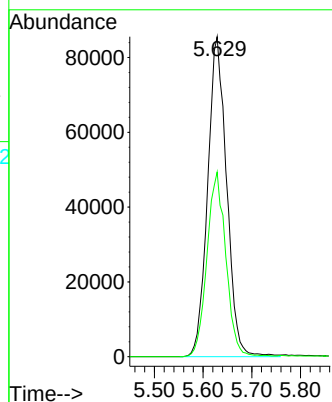
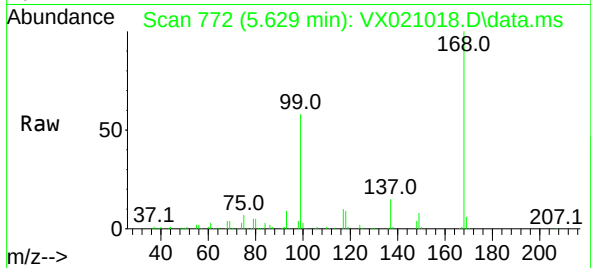




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

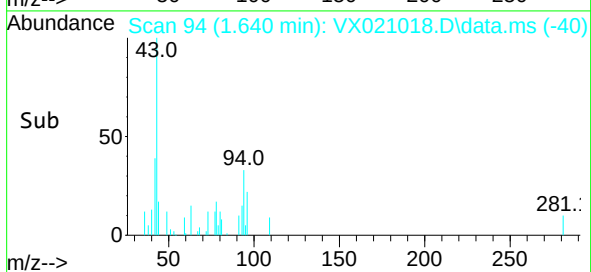
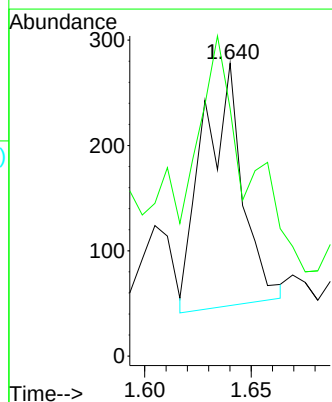
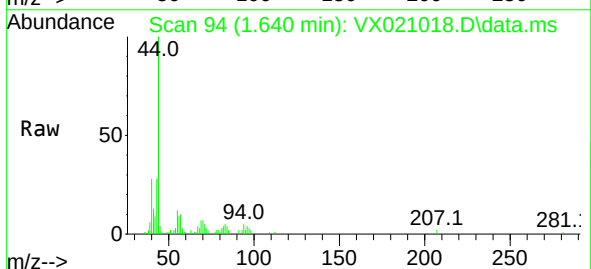
Instrument :
MSVOA_X
ClientSampleId :

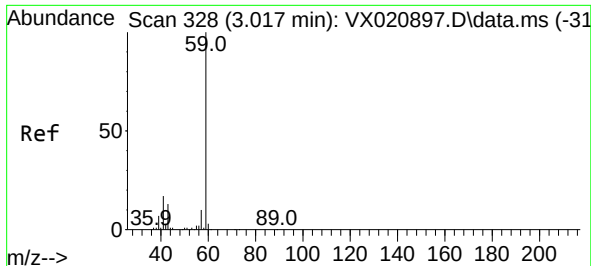
Tgt Ion:168 Resp: 231331
Ion Ratio Lower Upper
168 100
99 57.7 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

Tgt Ion: 94 Resp: 299
Ion Ratio Lower Upper
94 100
96 51.1 76.4 114.6#



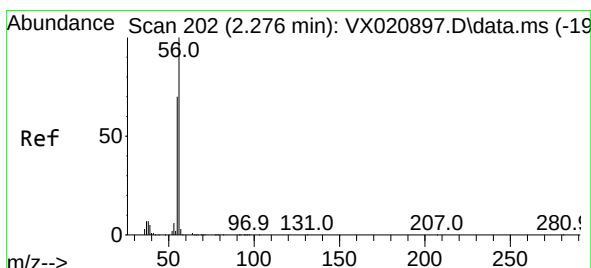
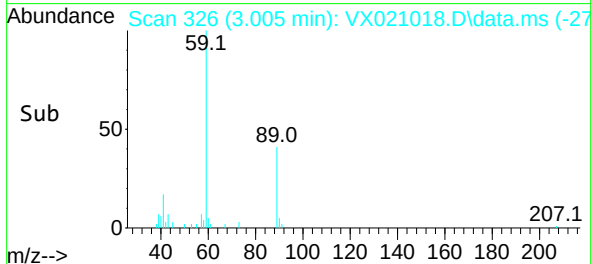
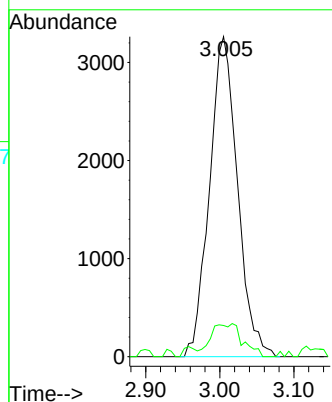
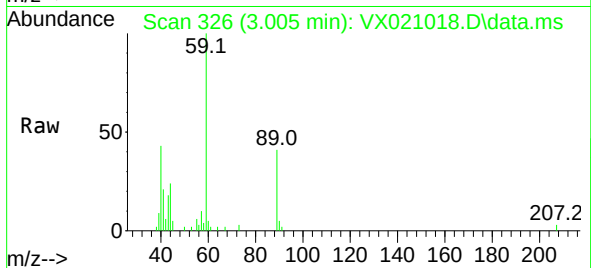


#11

Tert butyl alcohol
Concen: 12.32 ug/l
RT: 3.005 min Scan# 326
Delta R.T. -0.012 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

Instrument :
MSVOA_X
ClientSampled :

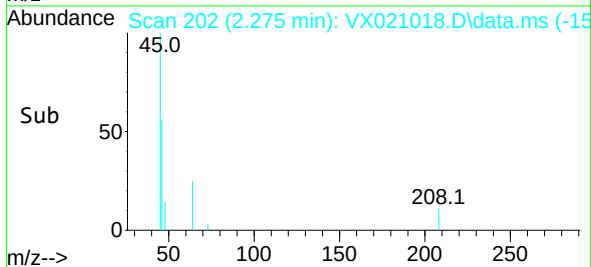
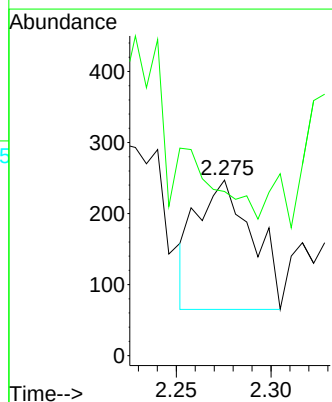
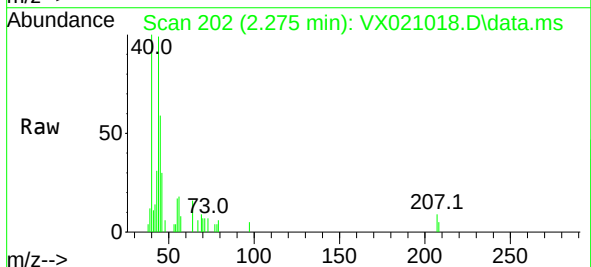
Tgt Ion: 59 Resp: 8575
Ion Ratio Lower Upper
59 100
57 11.6 7.8 11.8

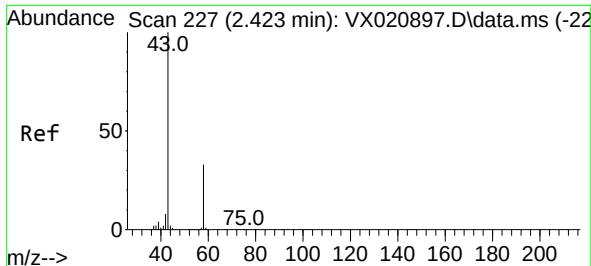


#13

Acrolein
Concen: 0.87 ug/l
RT: 2.275 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

Tgt Ion: 56 Resp: 373
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

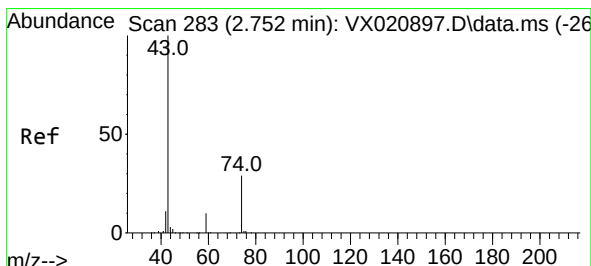
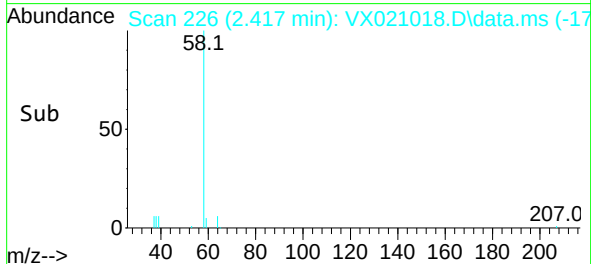
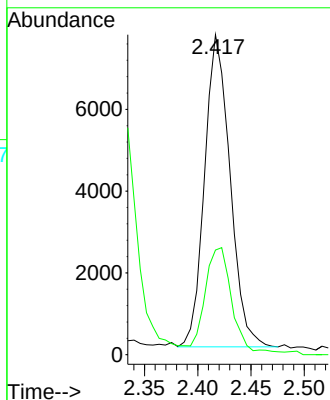
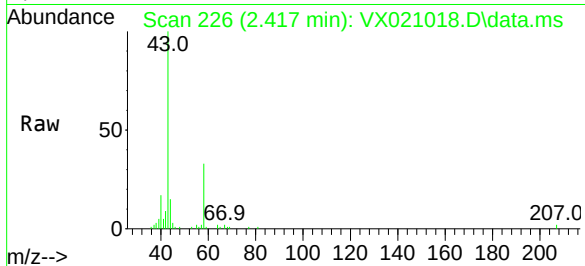




#16
Acetone
Concen: 9.87 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

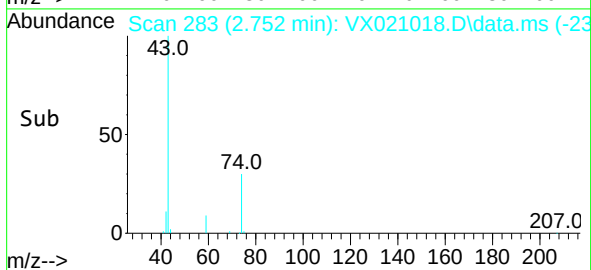
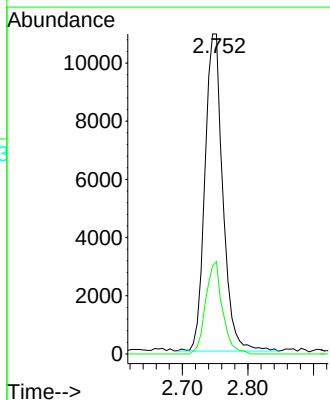
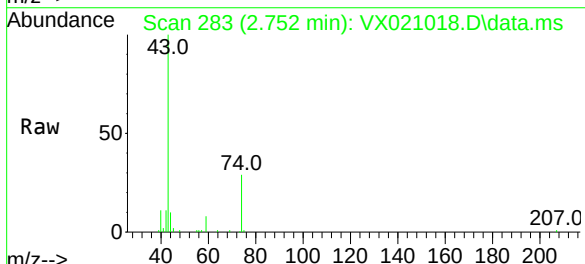
Instrument :
MSVOA_X
ClientSampleId :

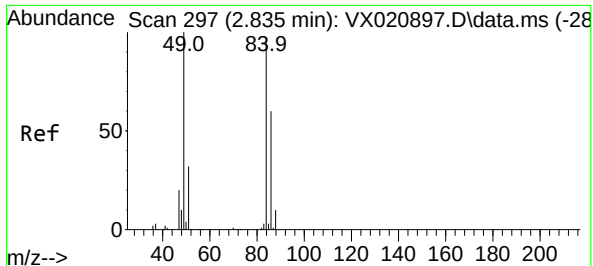
Tgt Ion: 43 Resp: 12708
Ion Ratio Lower Upper
43 100
58 32.6 27.8 41.8



#18
Methyl Acetate
Concen: 6.82 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

Tgt Ion: 43 Resp: 20778
Ion Ratio Lower Upper
43 100
74 27.3 21.9 32.9

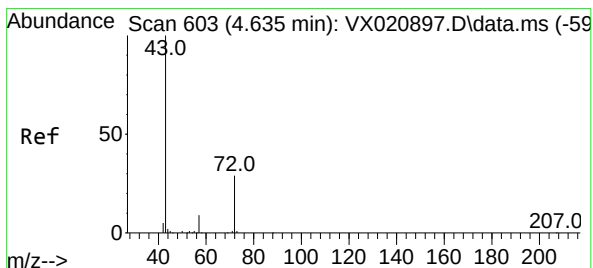
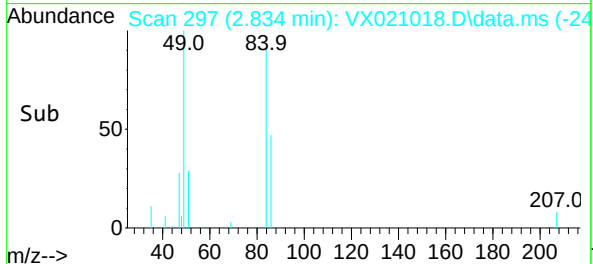
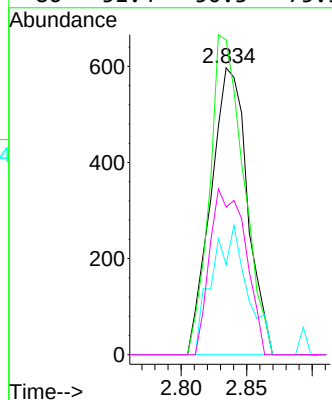
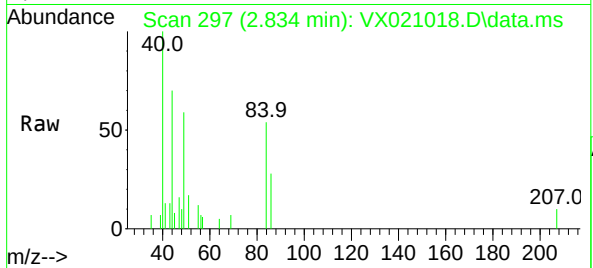




#20
Methylene Chloride
Concen: 0.37 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

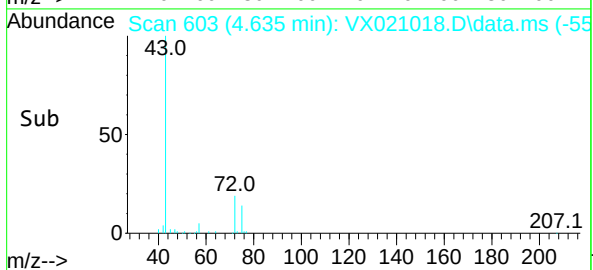
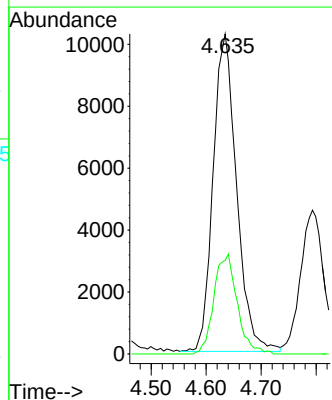
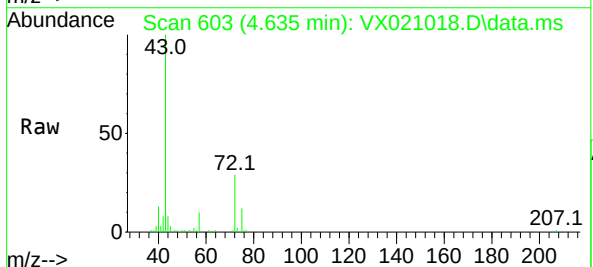
Instrument :
MSVOA_X
ClientSampleId :

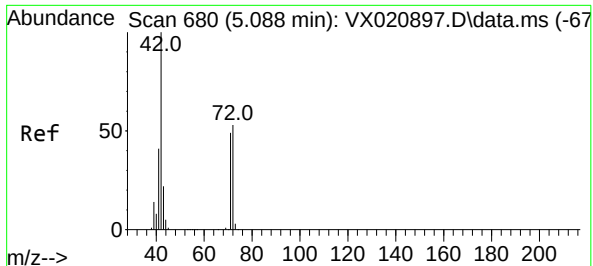
Tgt Ion:	84	Resp:	1156
Ion	Ratio	Lower	Upper
84	100		
49	109.7	88.6	132.8
51	31.3	27.0	40.6
86	51.4	50.3	75.5



#25
2-Butanone
Concen: 15.51 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

Tgt Ion:	43	Resp:	30339
Ion	Ratio	Lower	Upper
43	100		
72	29.5	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.38 ug/l

RT: 5.111 min Scan# 684

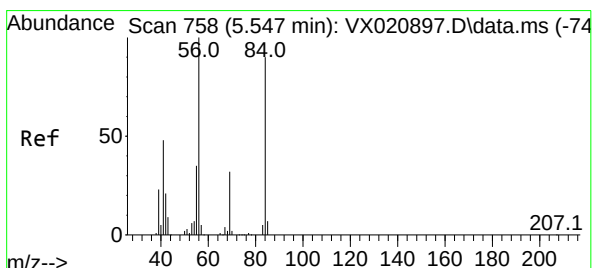
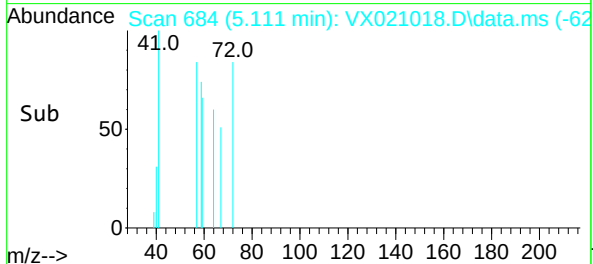
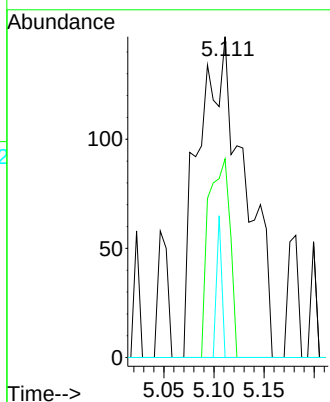
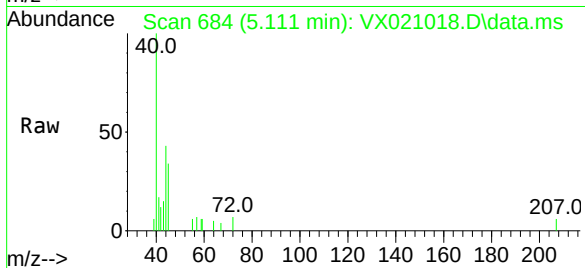
Delta R.T. 0.023 min

Lab File: VX021018.D

Acq: 04 Mar 2021 16:45

Tgt Ion:	42	Resp:	472
Ion	Ratio	Lower	Upper
42	100		
72	28.4	41.7	62.5#
71	4.9	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.05 ug/l

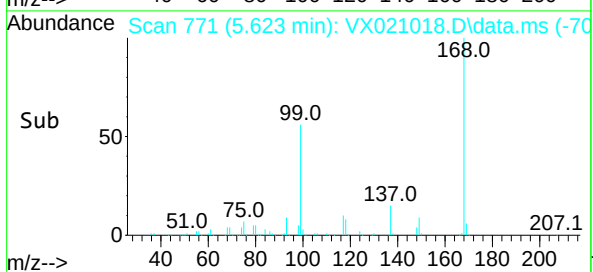
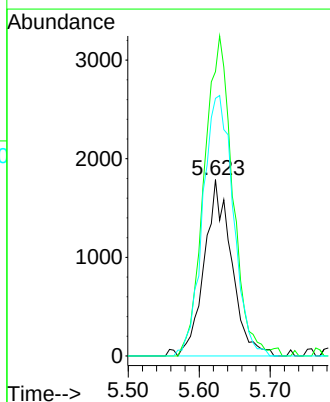
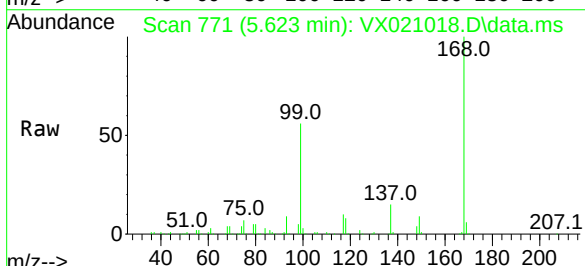
RT: 5.623 min Scan# 771

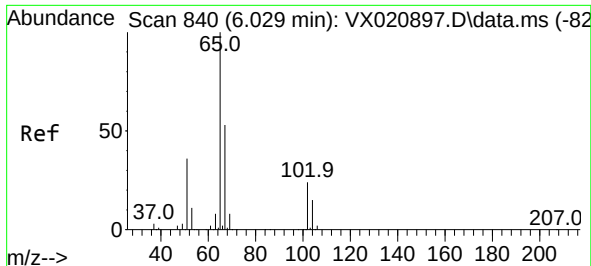
Delta R.T. 0.076 min

Lab File: VX021018.D

Acq: 04 Mar 2021 16:45

Tgt Ion:	56	Resp:	4750
Ion	Ratio	Lower	Upper
56	100		
69	161.2	25.3	37.9#
84	146.0	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.24 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021018.D

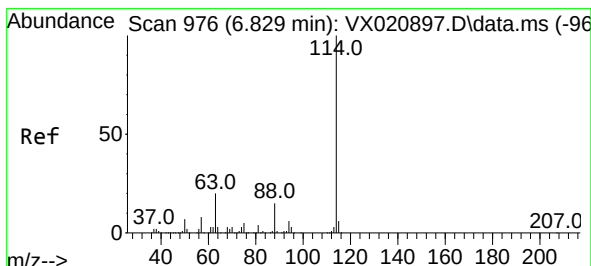
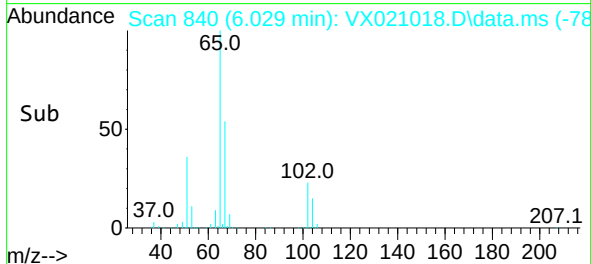
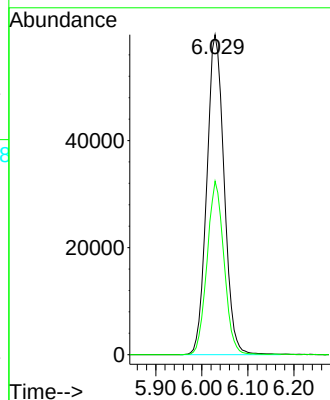
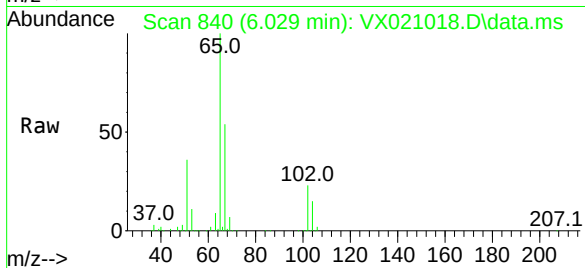
Acq: 04 Mar 2021 16:45

Tgt Ion: 65 Resp: 156983

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. -0.000 min

Lab File: VX021018.D

Acq: 04 Mar 2021 16:45

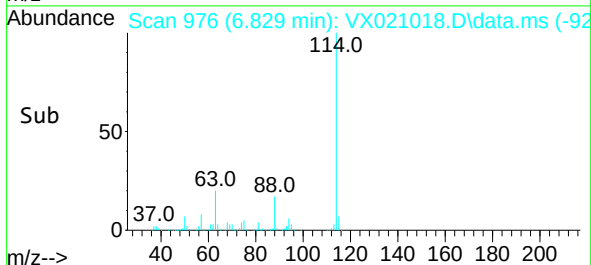
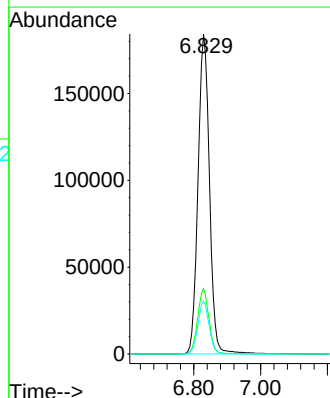
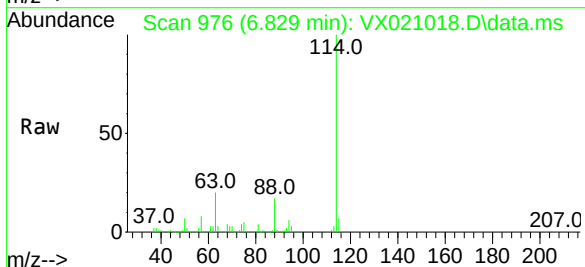
Tgt Ion: 114 Resp: 437537

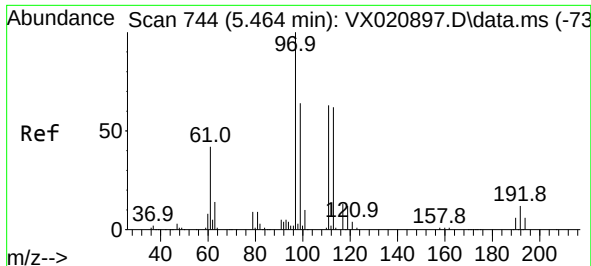
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 16.5 0.0 32.8

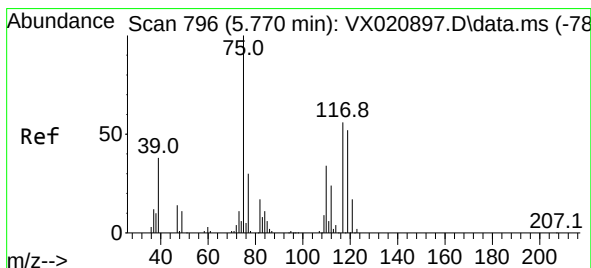
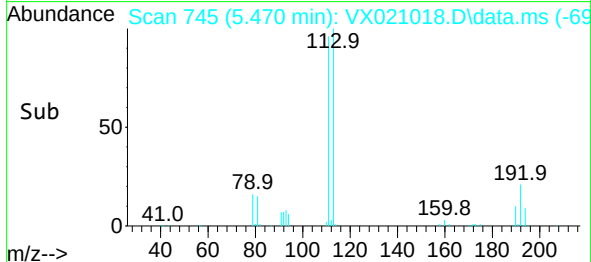
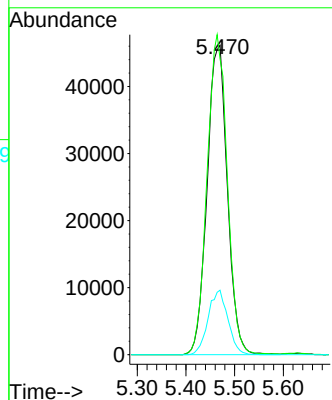
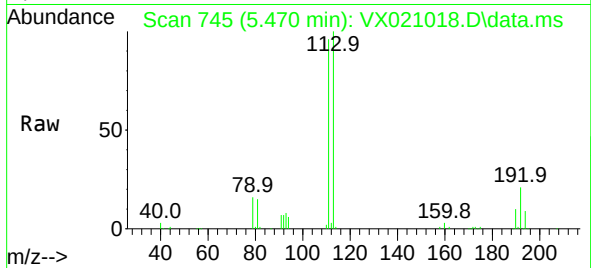




#35
Dibromofluoromethane
Concen: 50.16 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

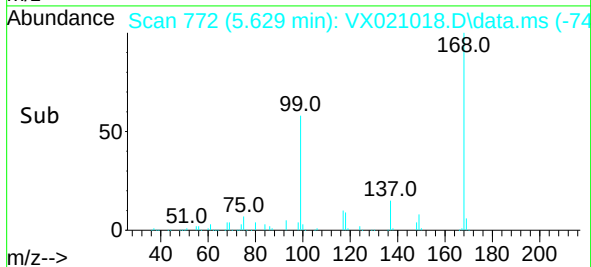
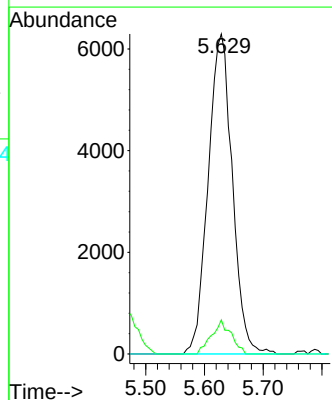
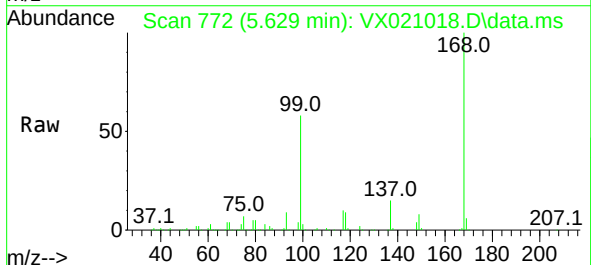
Instrument :
MSVOA_X
ClientSampled :

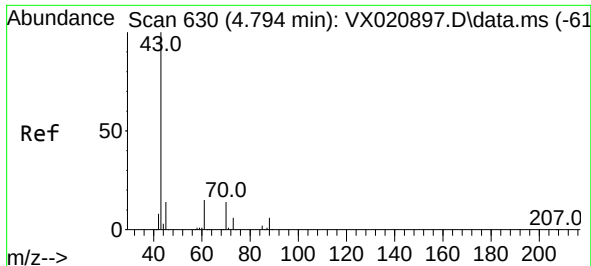
Tgt Ion:113 Resp: 133347
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 20.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.32 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

Tgt Ion: 75 Resp: 17976
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 3.39 ug/l

RT: 4.793 min Scan# 630

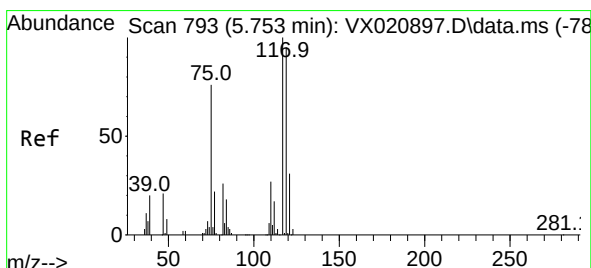
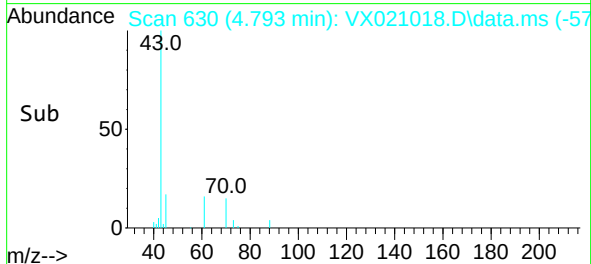
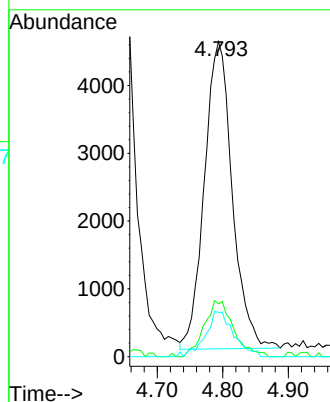
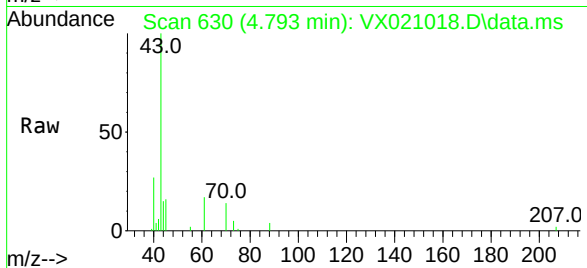
Delta R.T. -0.000 min

Lab File: VX021018.D

Acq: 04 Mar 2021 16:45

Tgt Ion:	43	Resp:	13419
Ion	Ratio	Lower	Upper
43	100		
61	19.0	12.8	19.2
70	14.8	10.5	15.7

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.58 ug/l

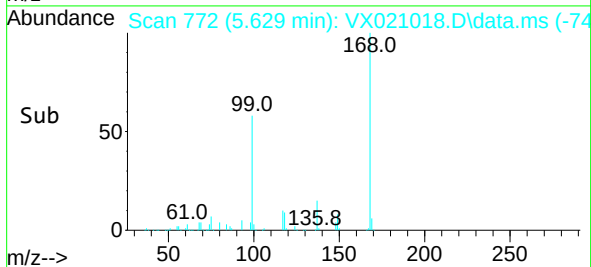
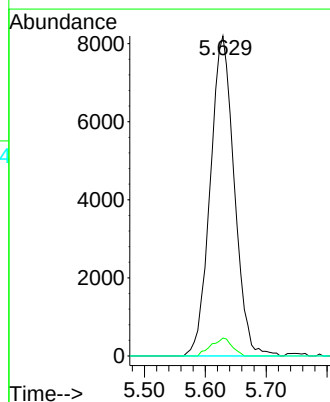
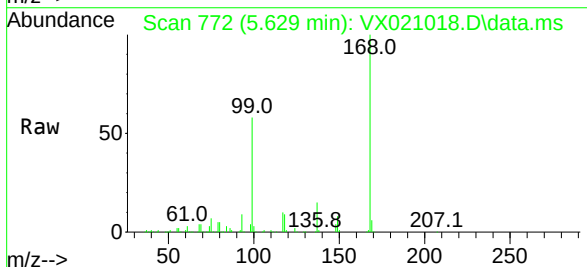
RT: 5.629 min Scan# 772

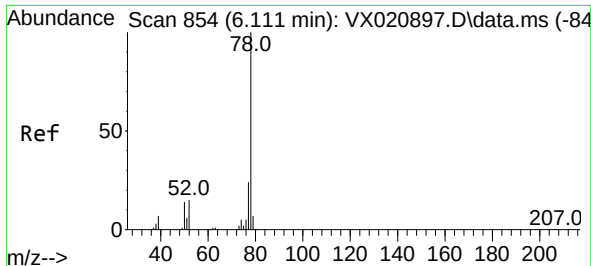
Delta R.T. -0.124 min

Lab File: VX021018.D

Acq: 04 Mar 2021 16:45

Tgt Ion:	117	Resp:	22469
Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.2	114.2#
121	0.0	24.8	37.2#

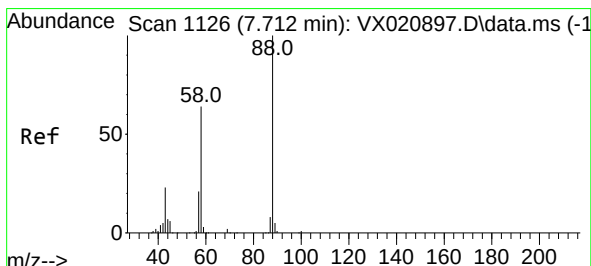
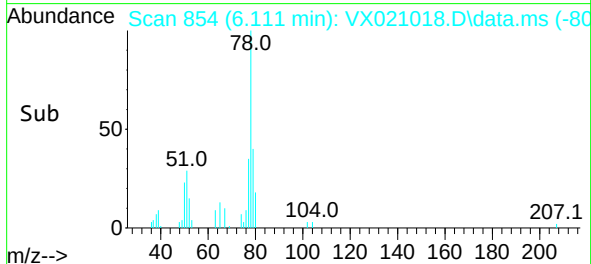
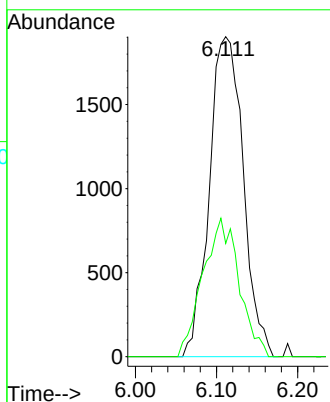
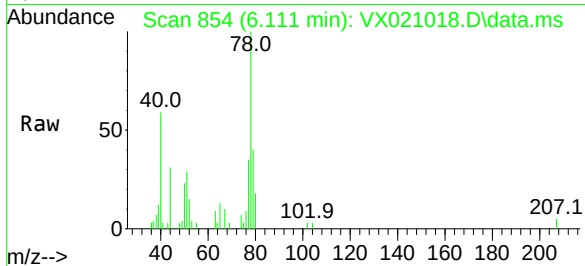




#40
Benzene
Concen: 0.44 ug/l
RT: 6.111 min Scan# 854
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

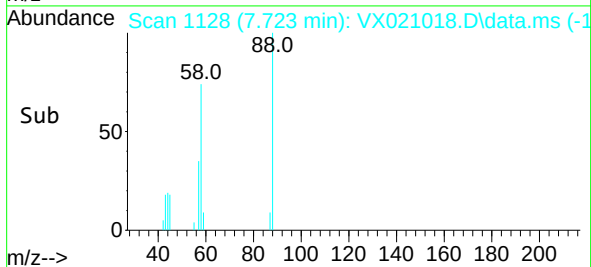
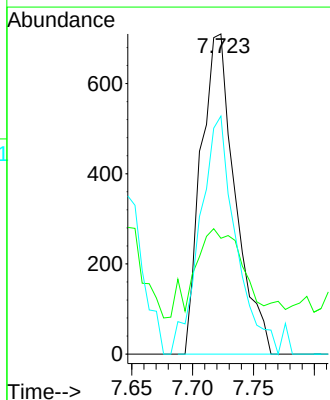
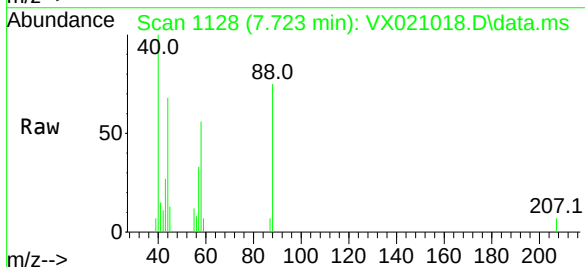
Instrument :
MSVOA_X
ClientSampled :

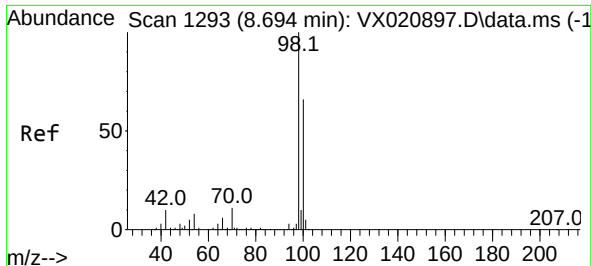
Tgt Ion: 78 Resp: 5539
Ion Ratio Lower Upper
78 100
77 35.4 18.9 28.3#



#49
1,4-Dioxane
Concen: 17.55 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

Tgt Ion: 88 Resp: 1383
Ion Ratio Lower Upper
88 100
43 38.5 23.2 34.8#
58 78.2 55.0 82.4

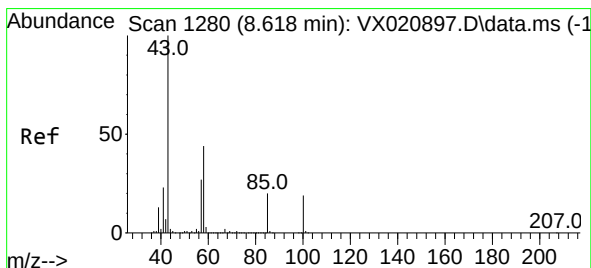
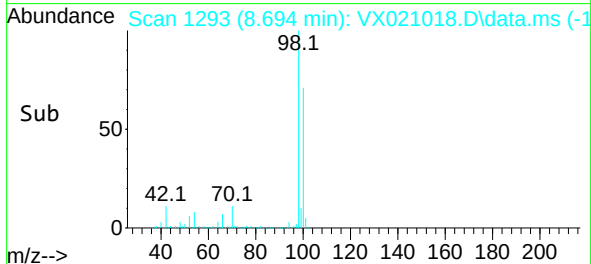
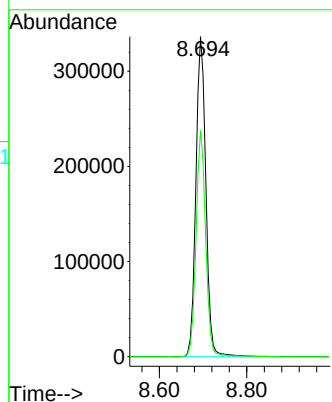
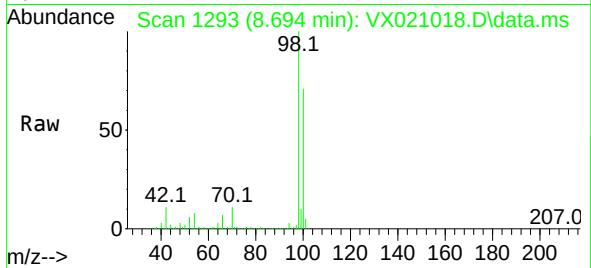




#50
Toluene-d8
Concen: 51.51 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

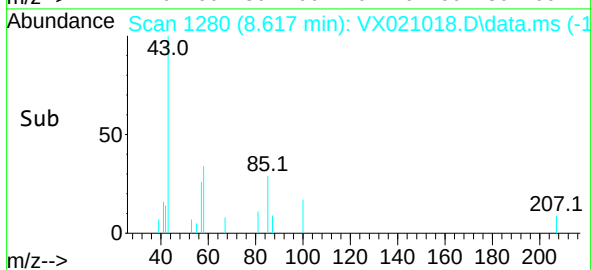
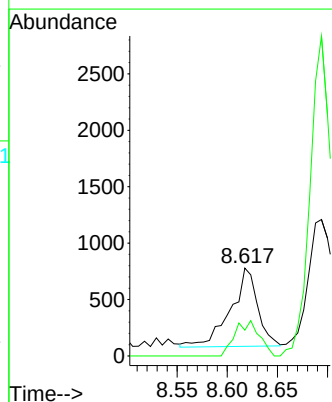
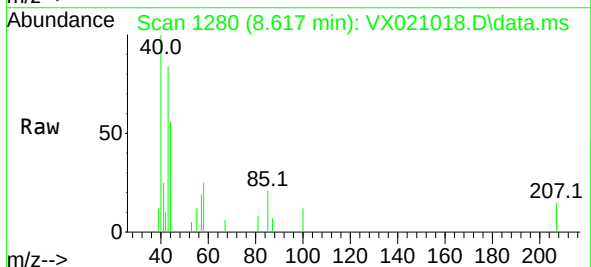
Instrument :
MSVOA_X
ClientSampled :

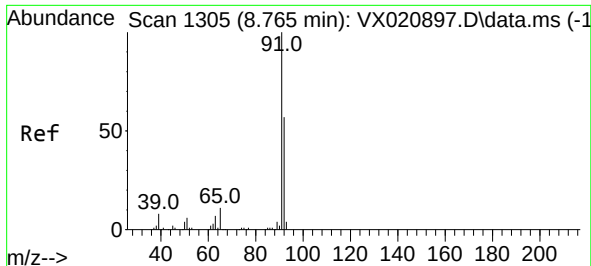
Tgt Ion: 98 Resp: 533891
Ion Ratio Lower Upper
98 100
100 68.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.33 ug/l
RT: 8.617 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

Tgt Ion: 43 Resp: 1307
Ion Ratio Lower Upper
43 100
58 40.2 35.4 53.0

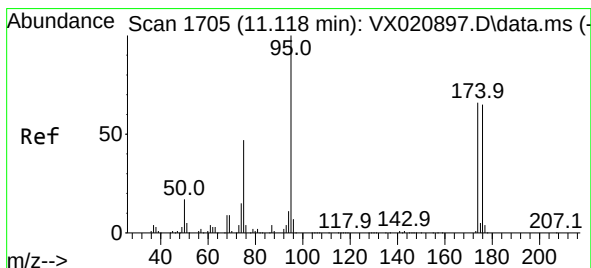
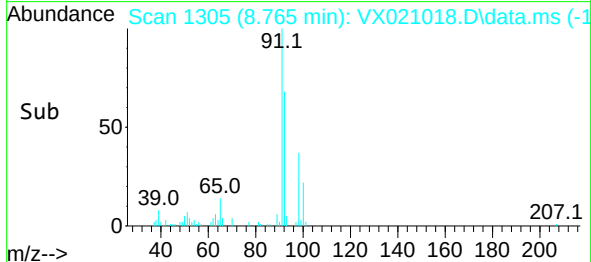
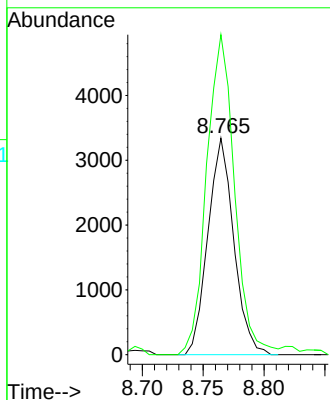
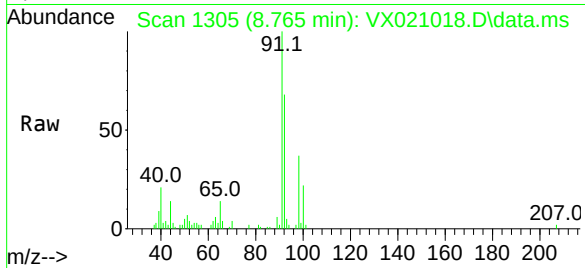




#52
Toluene
Concen: 0.64 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

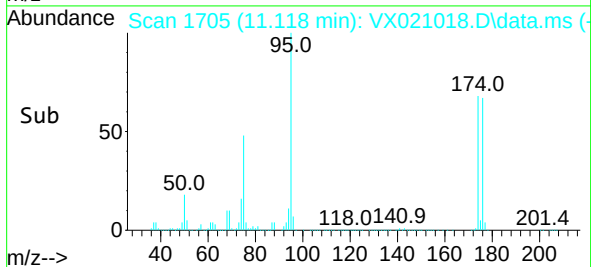
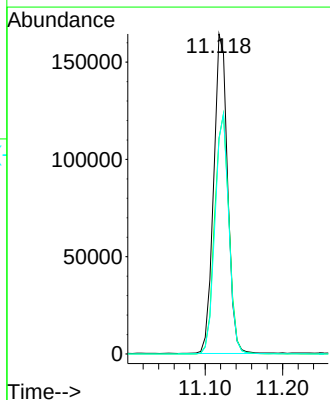
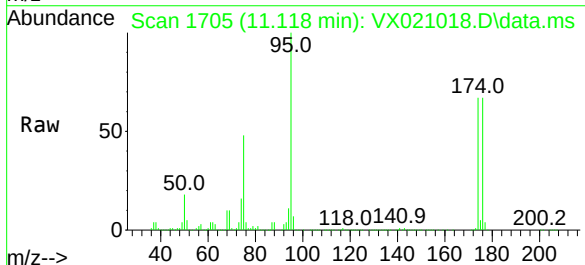
Instrument :
MSVOA_X
ClientSampled :

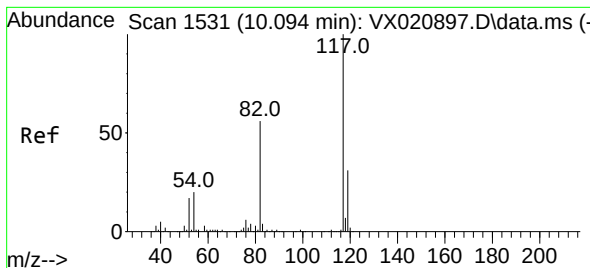
Tgt Ion: 92 Resp: 4945
Ion Ratio Lower Upper
92 100
91 159.0 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 53.52 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

Tgt Ion: 95 Resp: 205141
Ion Ratio Lower Upper
95 100
174 76.8 0.0 154.6
176 74.5 0.0 155.8

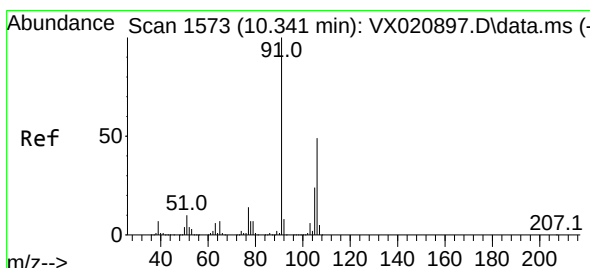
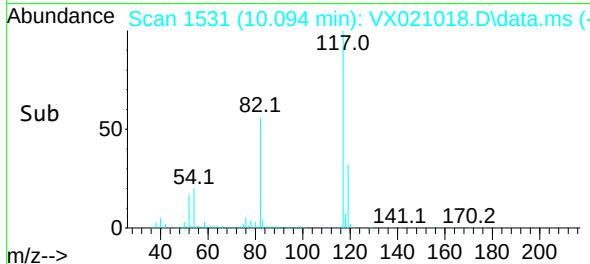
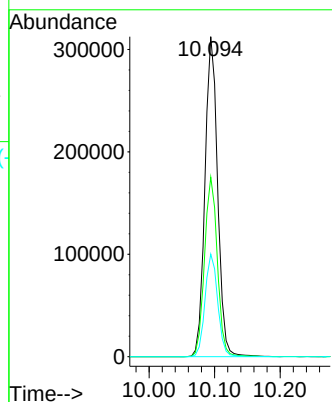
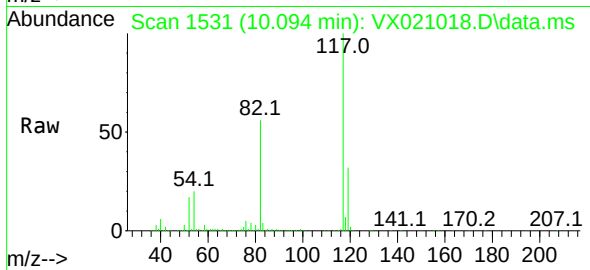




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

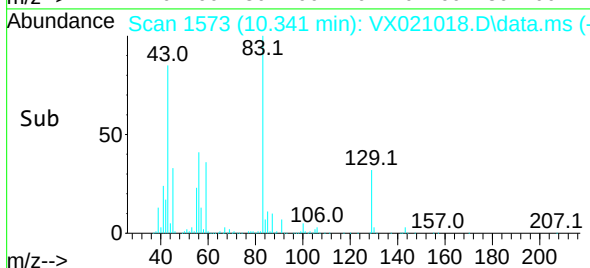
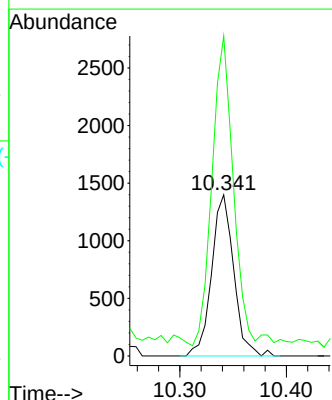
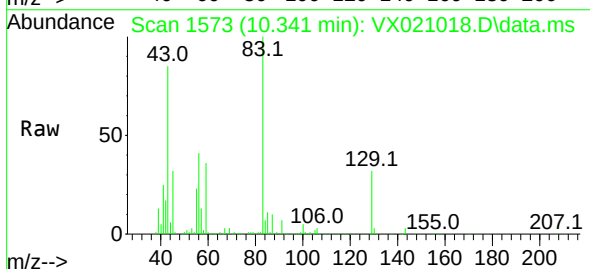
Instrument :
MSVOA_X
ClientSampled :

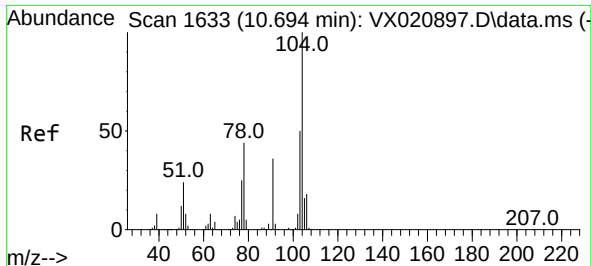
Tgt Ion:117 Resp: 421296
Ion Ratio Lower Upper
117 100
82 56.1 47.4 71.2
119 32.0 26.6 39.8



#68
m/p-Xylenes
Concen: 0.34 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

Tgt Ion:106 Resp: 2017
Ion Ratio Lower Upper
106 100
91 188.6 162.8 244.2

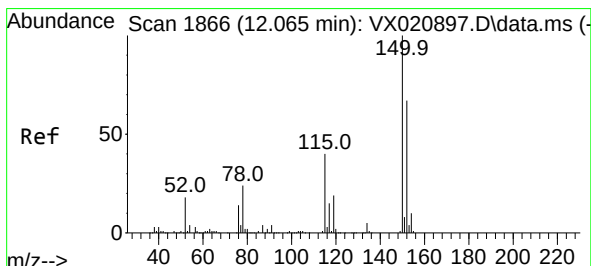
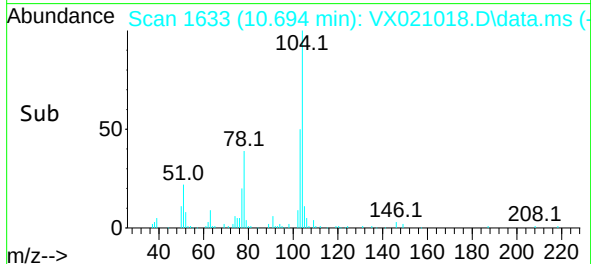
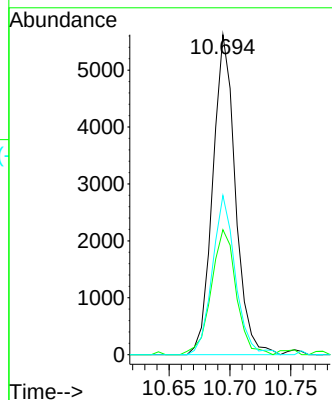
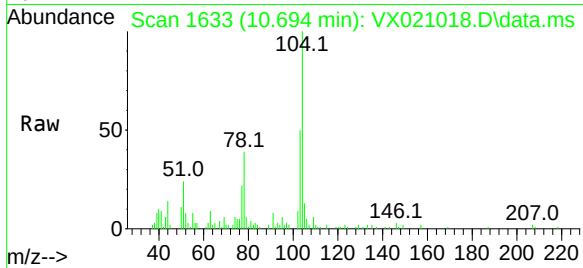




#70
Styrene
Concen: 0.73 ug/l
RT: 10.694 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

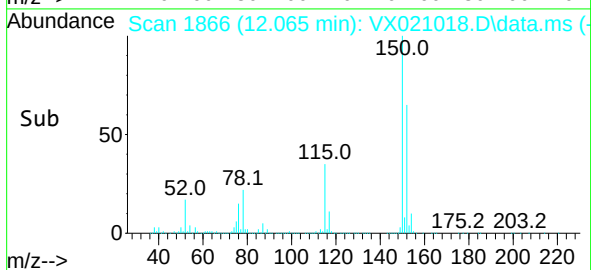
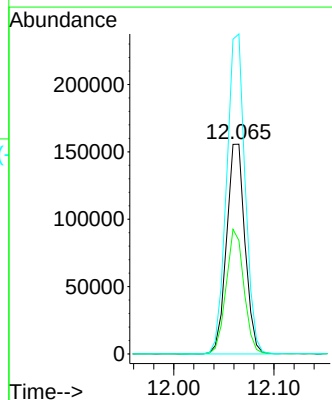
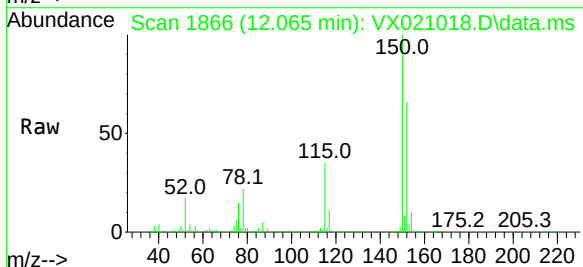
Instrument :
MSVOA_X
ClientSampleId :

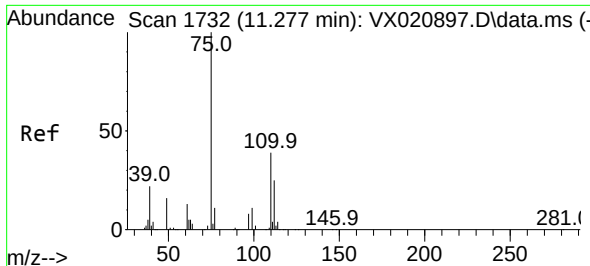
Tgt Ion:104 Resp: 7259
Ion Ratio Lower Upper
104 100
78 42.9 40.0 60.0
103 50.5 43.4 65.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

Tgt Ion:152 Resp: 198521
Ion Ratio Lower Upper
152 100
115 57.0 41.1 123.3
150 153.5 0.0 349.0

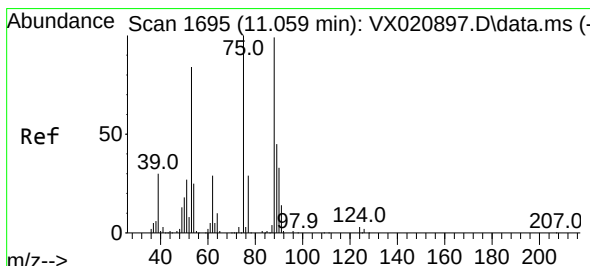
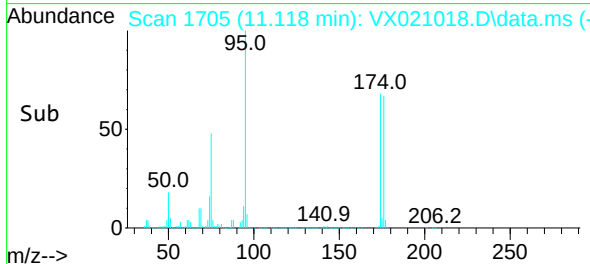
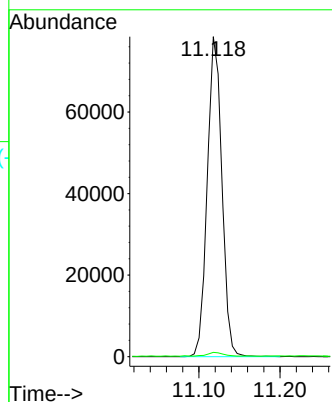
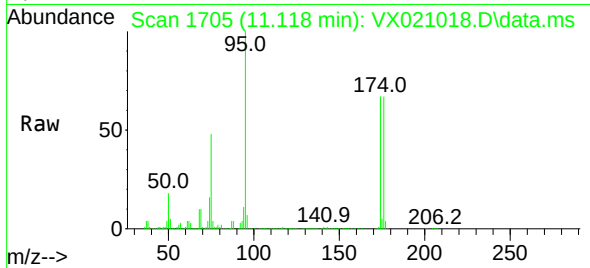




#76
1,2,3-Trichloropropane
Concen: 22.92 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

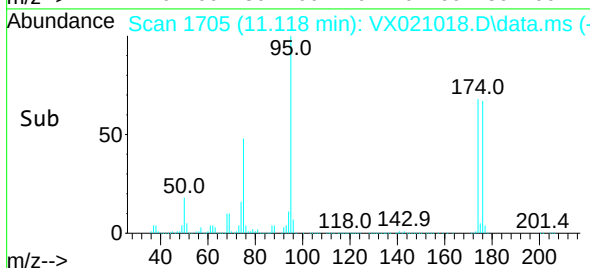
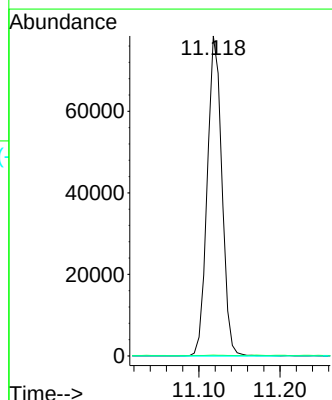
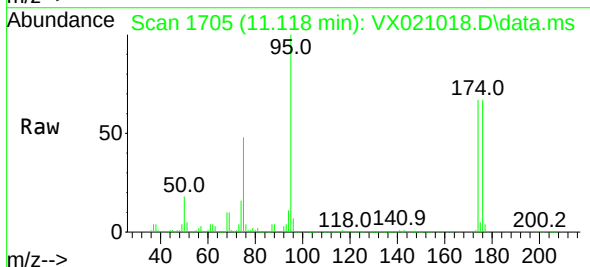
Instrument :
MSVOA_X
ClientSampled :

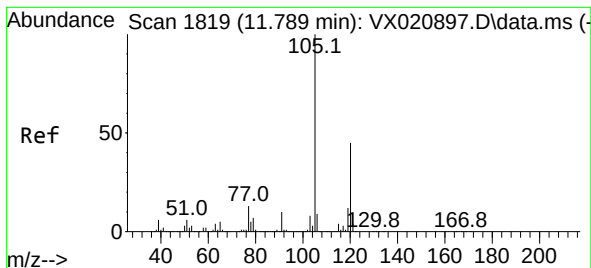
Tgt Ion: 75 Resp: 97905
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.76 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

Tgt Ion: 75 Resp: 97905
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#





#84

1,2,4-Trimethylbenzene

Concen: 0.56 ug/l

RT: 11.788 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VX021018.D

Acq: 04 Mar 2021 16:45

Tgt Ion:105 Resp: 7455

Ion Ratio Lower Upper

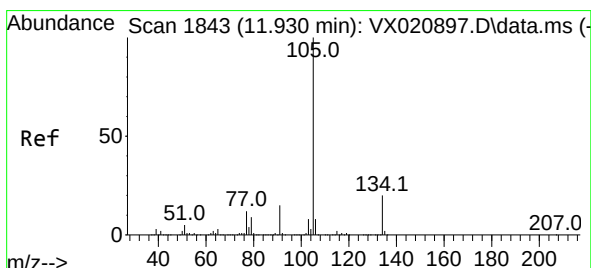
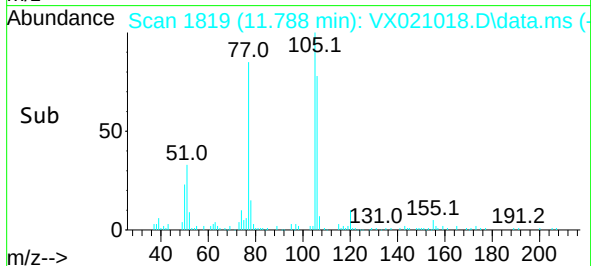
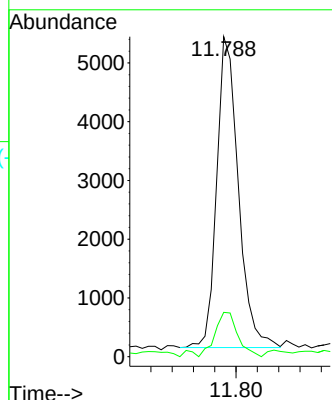
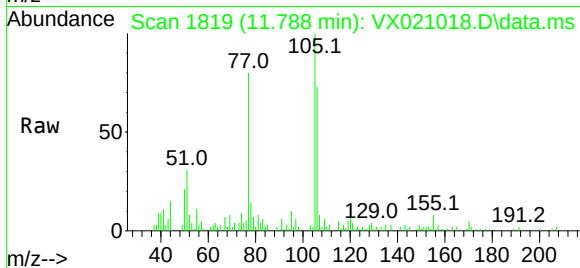
105 100

120 15.8 22.4 67.3#

Instrument :

MSVOA_X

ClientSampled :



#85

sec-Butylbenzene

Concen: 0.50 ug/l

RT: 11.788 min Scan# 1819

Delta R.T. -0.141 min

Lab File: VX021018.D

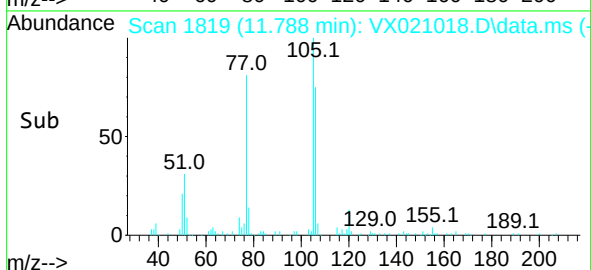
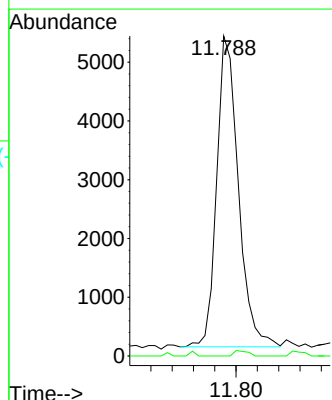
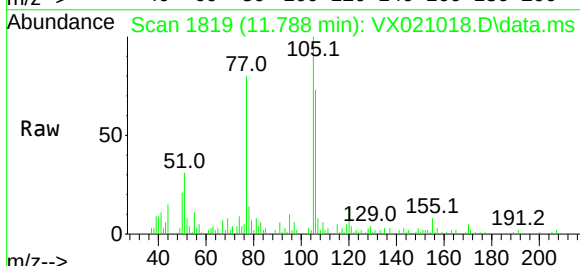
Acq: 04 Mar 2021 16:45

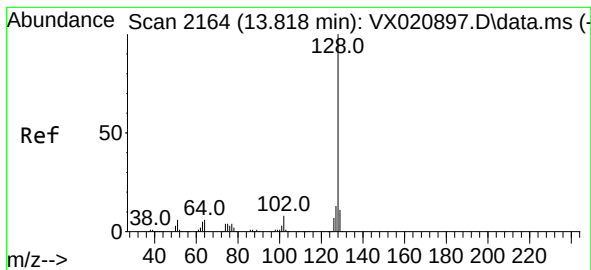
Tgt Ion:105 Resp: 7455

Ion Ratio Lower Upper

105 100

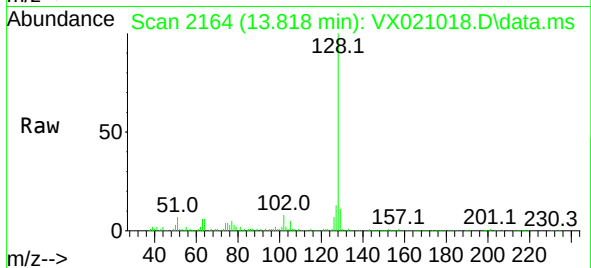
134 1.1 10.0 29.8#





#95
Naphthalene
Concen: 5.10 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. -0.000 min
Lab File: VX021018.D
Acq: 04 Mar 2021 16:45

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 74297
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.4 8.8 13.2

