

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060421\
 Data File : VX022461.D
 Acq On : 05 Jun 2021 11:02
 Operator : JC/MD
 Sample : M2580-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

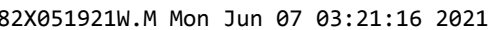
Quant Time: Jun 07 03:21:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

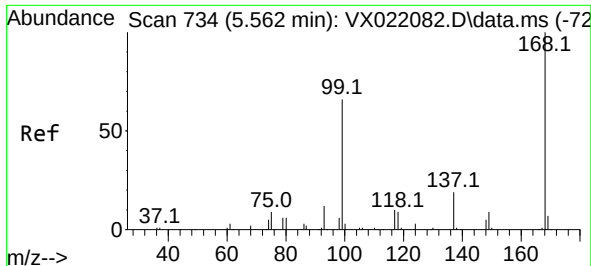
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	64273	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	134030	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	120452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	54735	55.207	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.420%			
35) Dibromofluoromethane	5.397	113	39885	46.926	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.860%			
50) Toluene-d8	8.653	98	165152	50.442	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.880%			
62) 4-Bromofluorobenzene	11.085	95	57753	47.723	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.440%			
Target Compounds					Qvalue	
5) Bromomethane	1.623	94	114	0.219	ug/l #	2
10) Methyl Iodide	2.459	142	287	0.351	ug/l #	60
11) Tert butyl alcohol	2.971	59	633	2.791	ug/l #	73
13) Acrolein	2.251	56	45	0.299	ug/l #	75
16) Acetone	2.385	43	14174	32.832	ug/l	92
17) Carbon Disulfide	2.507	76	664	0.344	ug/l #	75
18) Methyl Acetate	2.715	43	574	0.500	ug/l #	47
20) Methylene Chloride	2.794	84	3171	3.308	ug/l #	75
25) 2-Butanone	4.574	43	1924	2.755	ug/l #	81
29) Tetrahydrofuran	5.031	42	365	0.878	ug/l #	32
31) Cyclohexane	5.568	56	1965	1.577	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	6307	5.089	ug/l #	47
38) Carbon Tetrachloride	5.556	117	7662	6.320	ug/l #	18
43) Isopropyl Acetate	6.348	43	10940	4.402	ug/l #	90
48) Methyl methacrylate	7.598	41	3086	2.695	ug/l #	10
51) 4-Methyl-2-Pentanone	8.555	43	36802	24.723	ug/l #	46
52) Toluene	8.720	92	565	0.234	ug/l	96
54) cis-1,3-Dichloropropene	8.555	75	16649	10.159	ug/l #	68
57) 1,3-Dichloropropane	9.488	76	8223	4.913	ug/l #	42
59) 2-Hexanone	9.384	43	4347	3.883	ug/l #	19
68) m/p-Xylenes	10.305	106	515	0.295	ug/l	97
69) o-Xylene	10.652	106	460	0.271	ug/l	85
76) 1,2,3-Trichloropropane	11.085	75	31264	26.379	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	31264	62.502	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.750	105	1125	0.332	ug/l	97
90) Hexachloroethane	12.707	117	240	0.419	ug/l #	9
95) Naphthalene	13.780	128	9488	2.525	ug/l	99

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

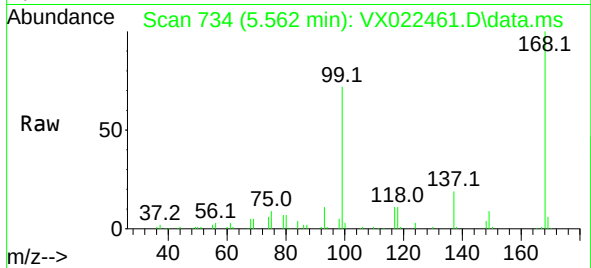
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration



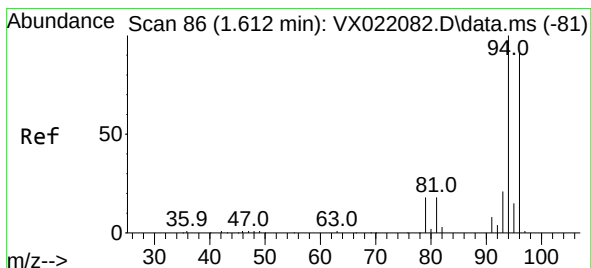
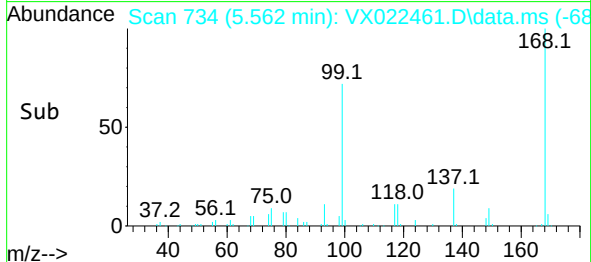
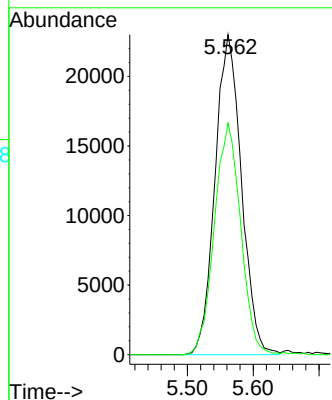


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Instrument :
MSVOA_X
ClientSampled :

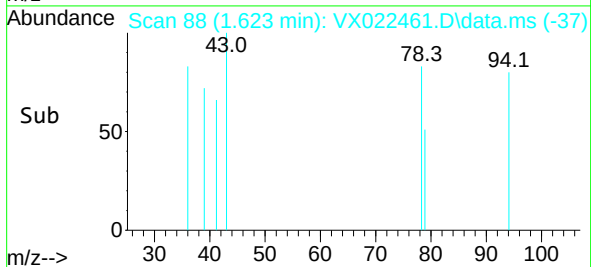
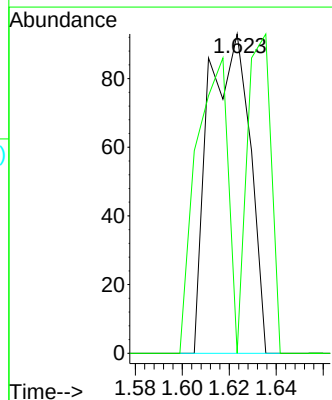
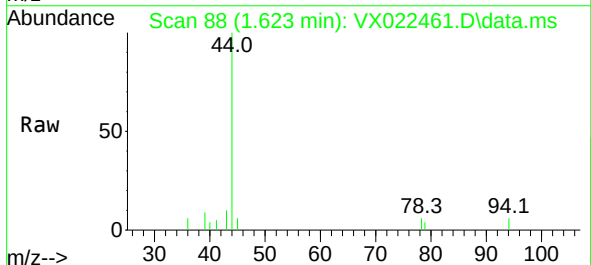


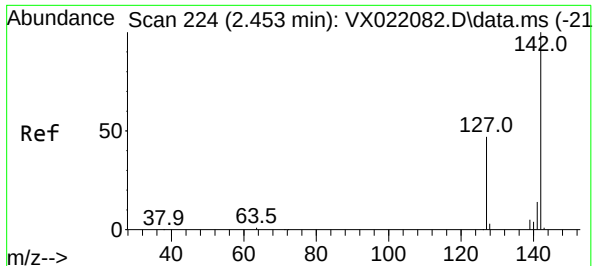
Tgt Ion:168 Resp: 64273
Ion Ratio Lower Upper
168 100
99 72.3 45.8 68.6#



#5
Bromomethane
Concen: 0.219 ug/l
RT: 1.623 min Scan# 88
Delta R.T. 0.011 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

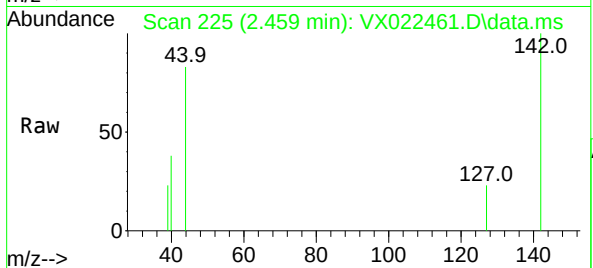
Tgt Ion: 94 Resp: 114
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



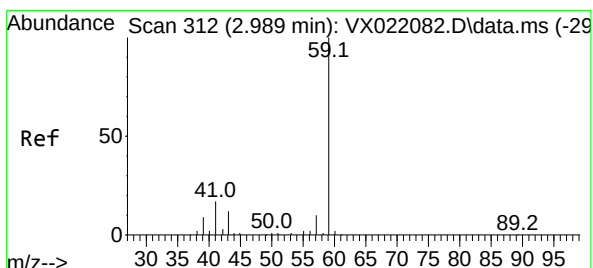
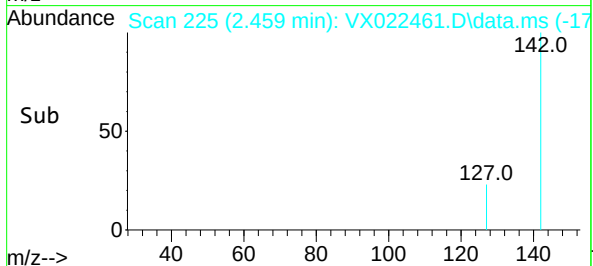
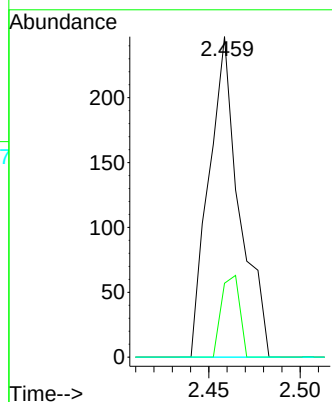


#10
Methyl Iodide
Concen: 0.351 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Instrument :
MSVOA_X
ClientSampled :

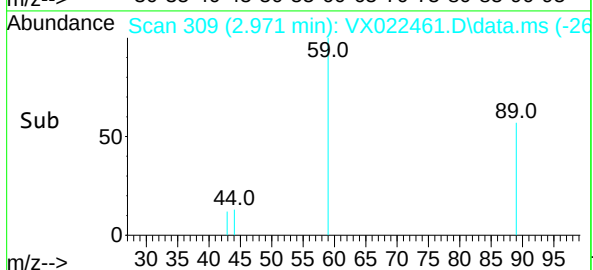
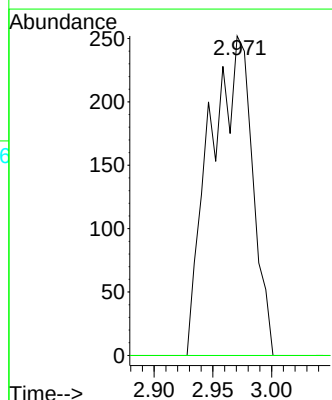
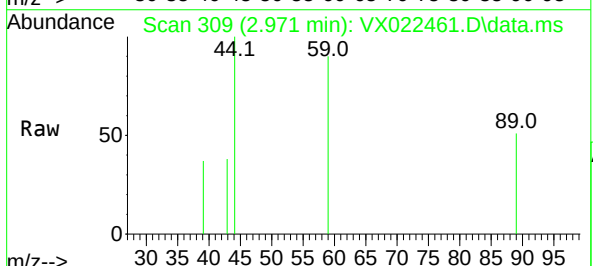


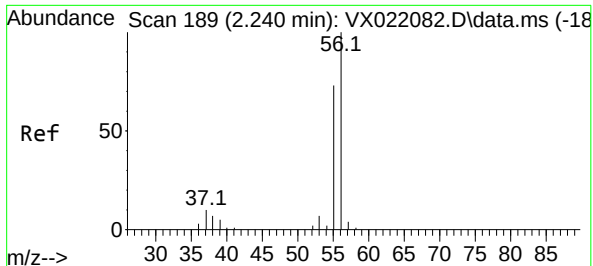
Tgt Ion:142 Resp: 287
Ion Ratio Lower Upper
142 100
127 15.3 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.791 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

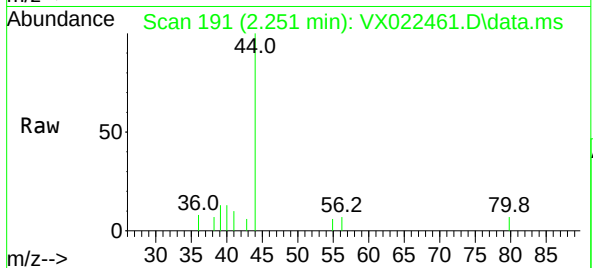
Tgt Ion: 59 Resp: 633
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



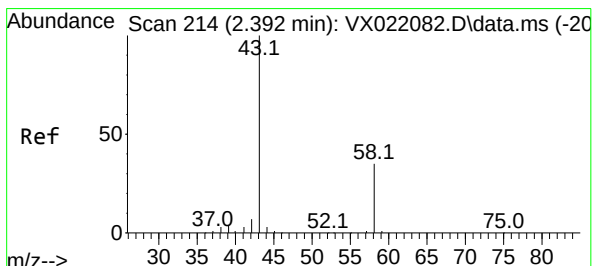
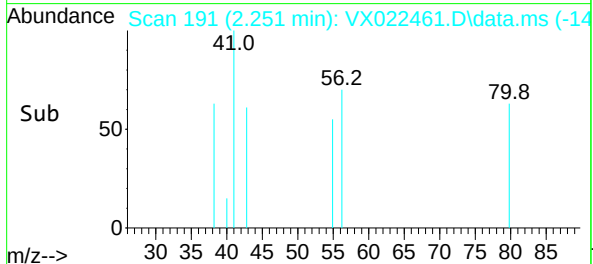
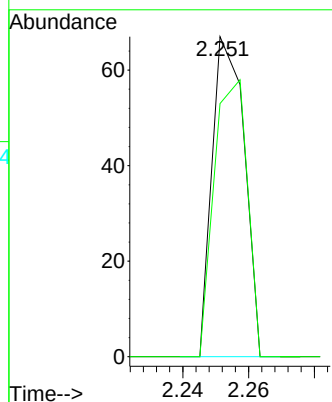


#13
Acrolein
Concen: 0.299 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.011 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Instrument :
MSVOA_X
ClientSampled :

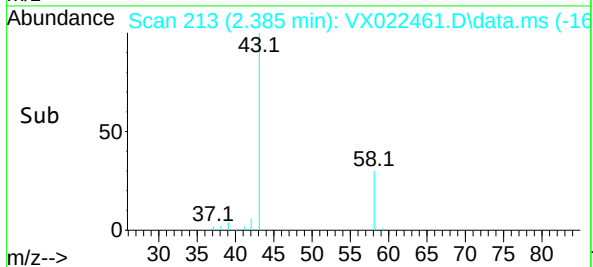
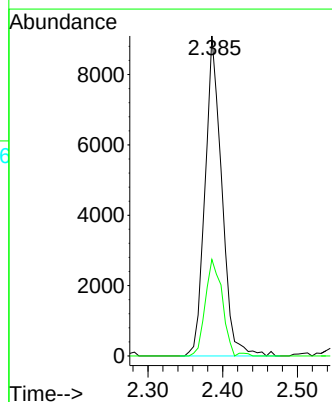
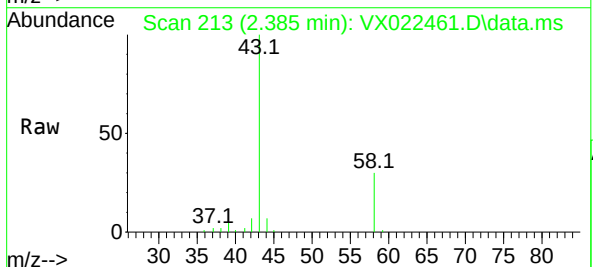


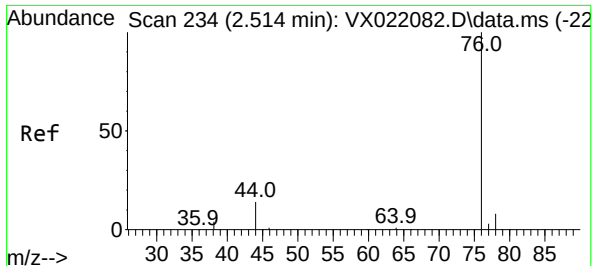
Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 91.1 56.4 84.6#



#16
Acetone
Concen: 32.832 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Tgt Ion: 43 Resp: 14174
Ion Ratio Lower Upper
43 100
58 30.2 27.8 41.8

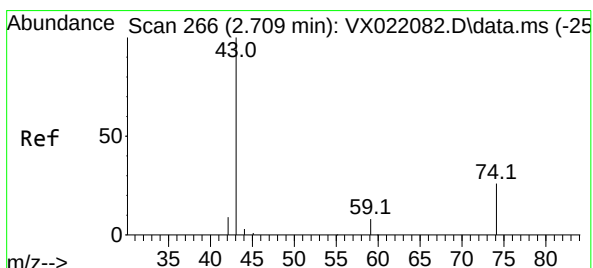
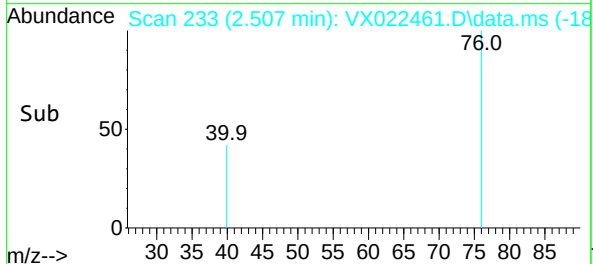
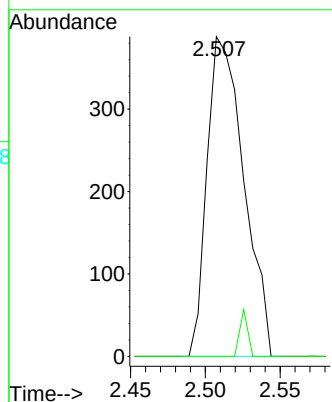
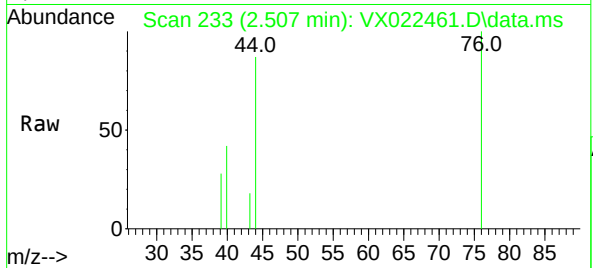




#17
Carbon Disulfide
Concen: 0.344 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.007 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

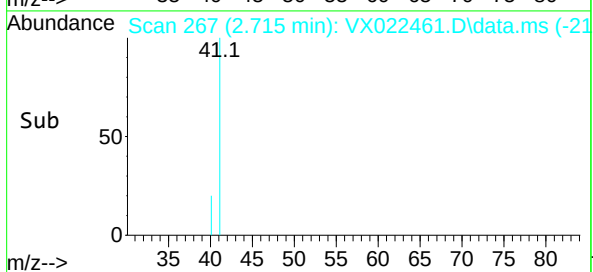
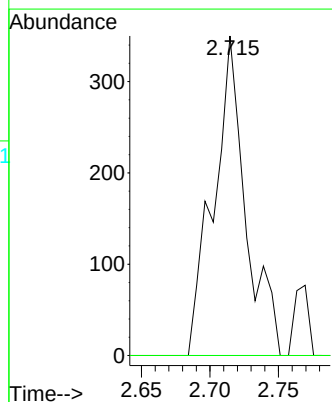
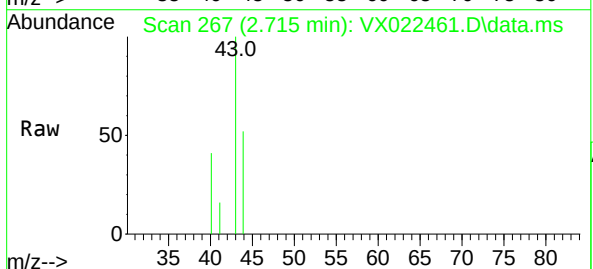
Instrument :
MSVOA_X
ClientSampled :

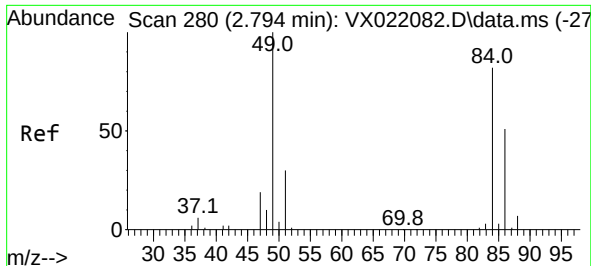
Tgt Ion: 76 Resp: 664
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.500 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 3.308 ug/l

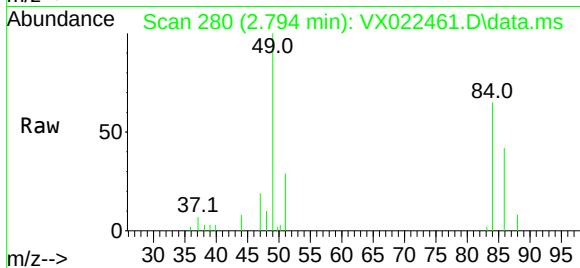
RT: 2.794 min Scan# 280

Delta R.T. -0.000 min

Lab File: VX022461.D

Acq: 05 Jun 2021 11:02

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 3171

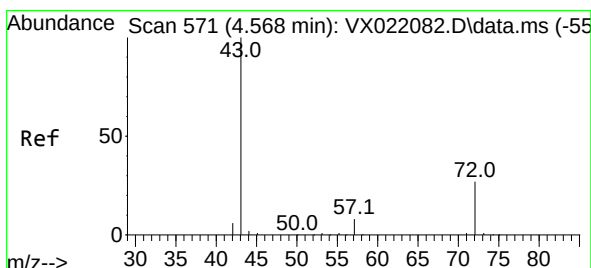
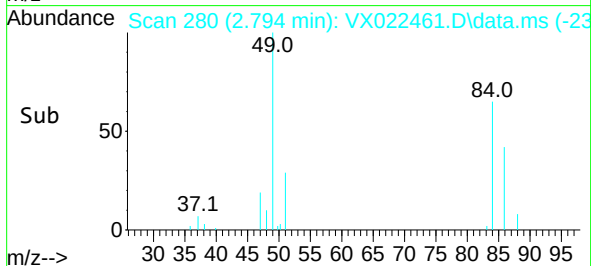
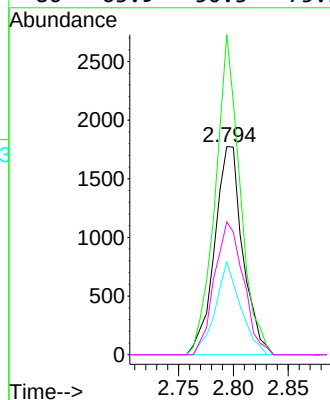
Ion Ratio Lower Upper

84 100

49 153.8 88.6 132.8#

51 44.4 27.0 40.6#

86 63.9 50.3 75.5



#25

2-Butanone

Concen: 2.755 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX022461.D

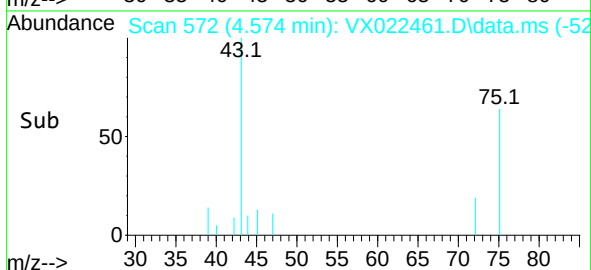
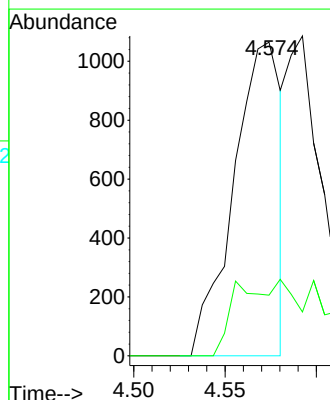
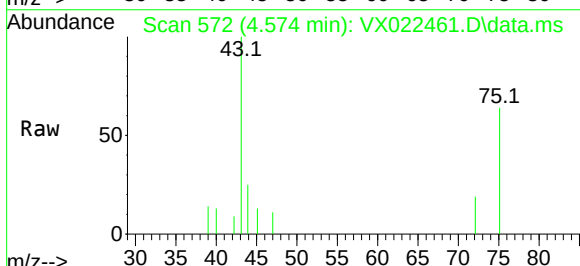
Acq: 05 Jun 2021 11:02

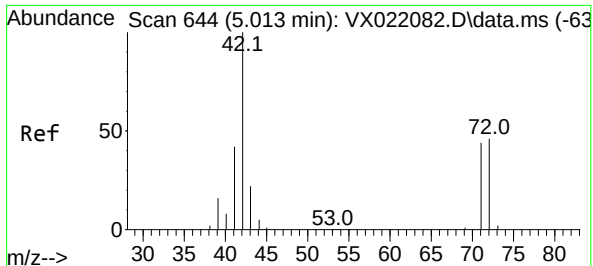
Tgt Ion: 43 Resp: 1924

Ion Ratio Lower Upper

43 100

72 19.3 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.878 ug/l

RT: 5.031 min Scan# 647

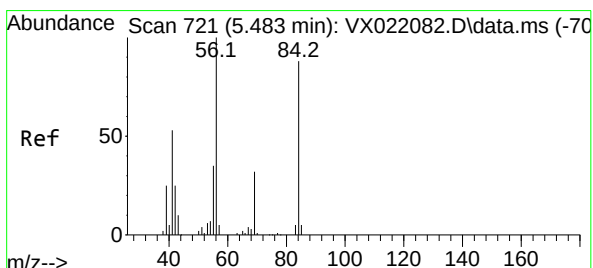
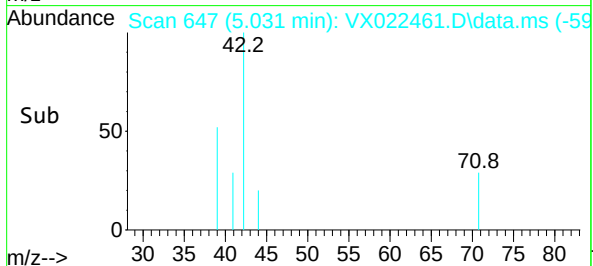
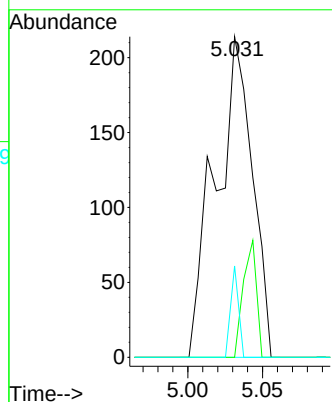
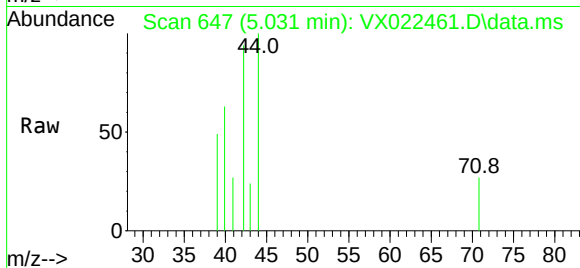
Delta R.T. 0.018 min

Lab File: VX022461.D

Acq: 05 Jun 2021 11:02

Tgt Ion:	42	Resp:	365
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	6.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.577 ug/l

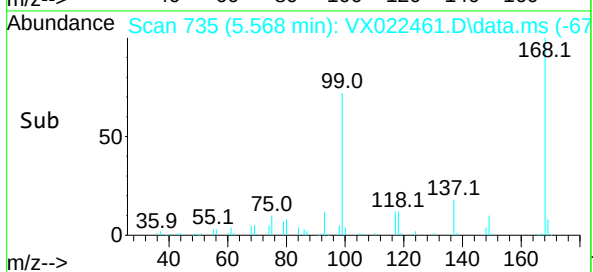
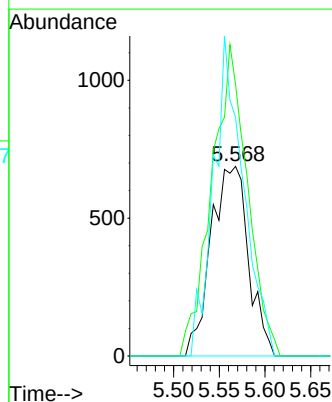
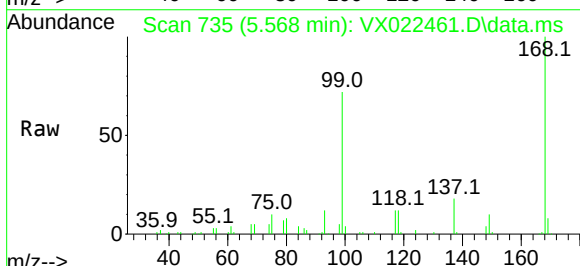
RT: 5.568 min Scan# 735

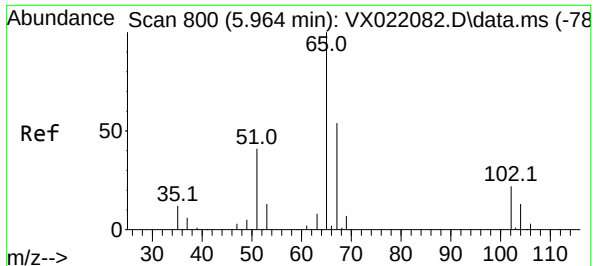
Delta R.T. 0.085 min

Lab File: VX022461.D

Acq: 05 Jun 2021 11:02

Tgt Ion:	56	Resp:	1965
Ion	Ratio	Lower	Upper
56	100		
69	143.2	25.3	37.9#
84	125.9	71.4	107.0#

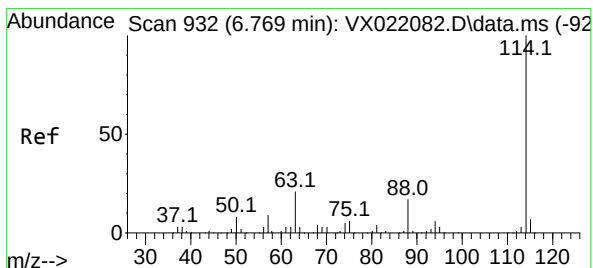
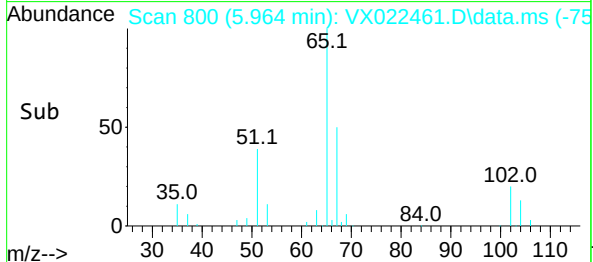
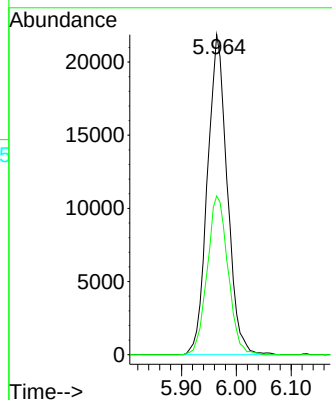
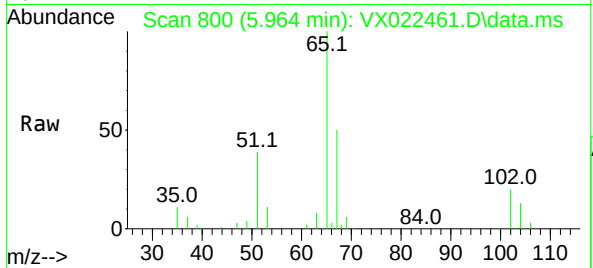




#33
 1,2-Dichloroethane-d4
 Concen: 55.207 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX022461.D
 Acq: 05 Jun 2021 11:02

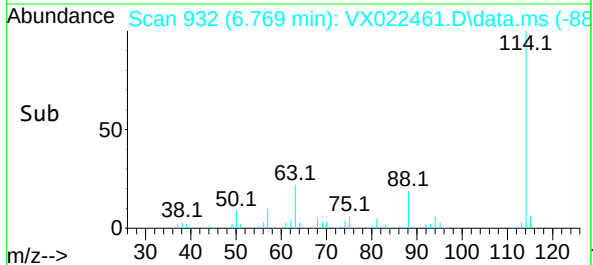
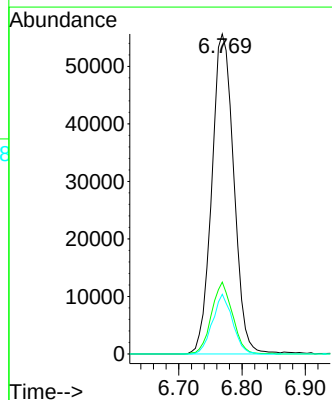
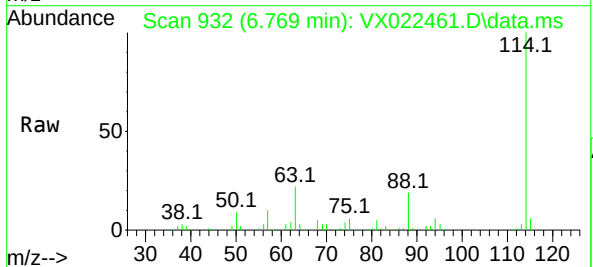
Instrument :
 MSVOA_X
 ClientSampleId :

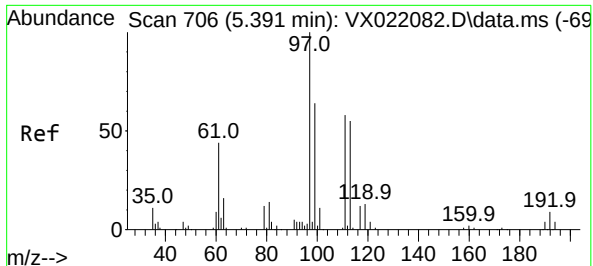
Tgt Ion: 65 Resp: 54735
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX022461.D
 Acq: 05 Jun 2021 11:02

Tgt Ion: 114 Resp: 134030
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 40.8
 88 18.7 0.0 32.8

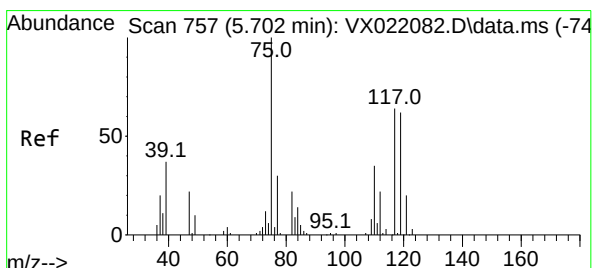
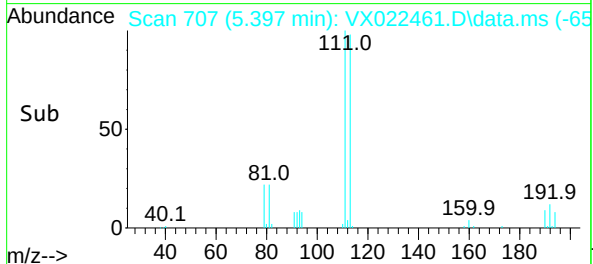
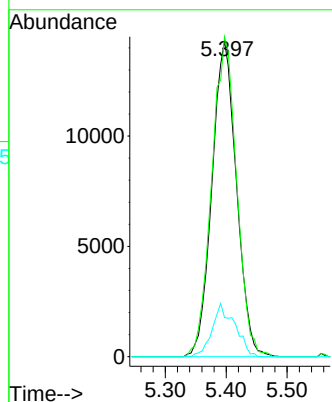
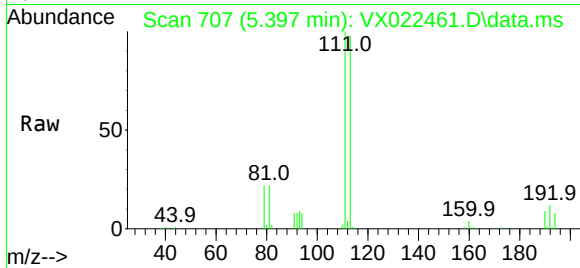




#35
Dibromofluoromethane
Concen: 46.926 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

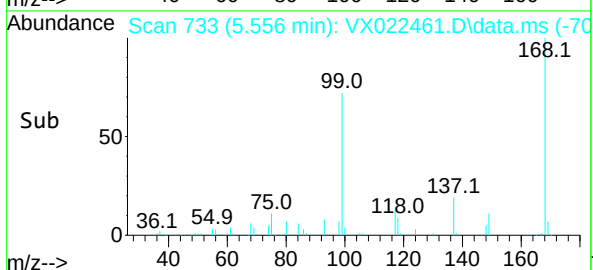
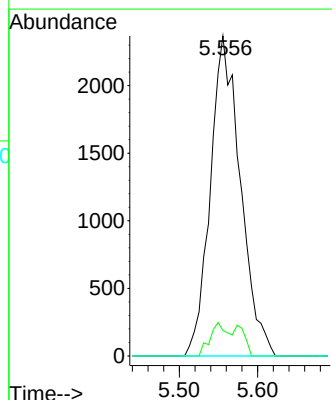
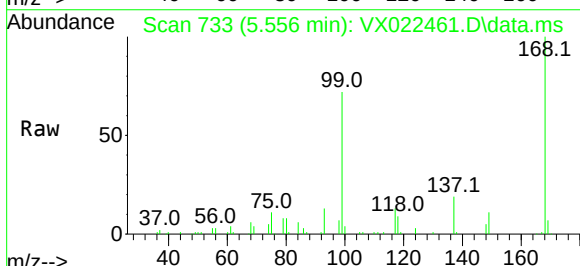
Instrument :
MSVOA_X
ClientSampled :

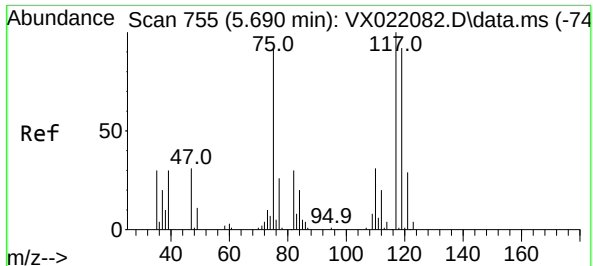
Tgt Ion:113 Resp: 39885
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 15.6 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 5.089 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

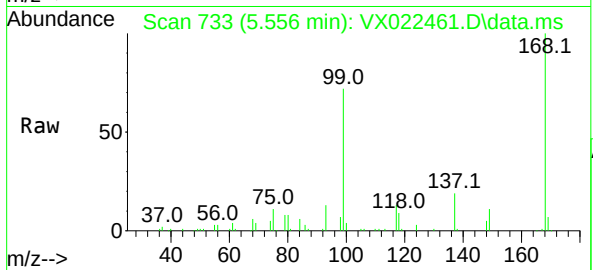
Tgt Ion: 75 Resp: 6307
Ion Ratio Lower Upper
75 100
110 6.6 18.1 54.4#
77 0.0 25.3 37.9#



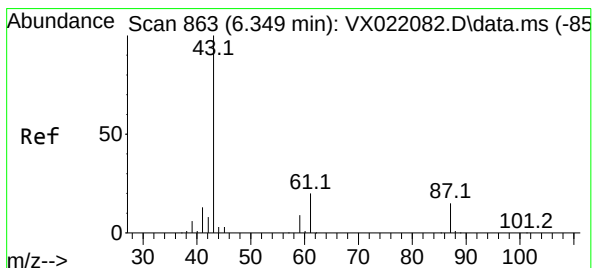
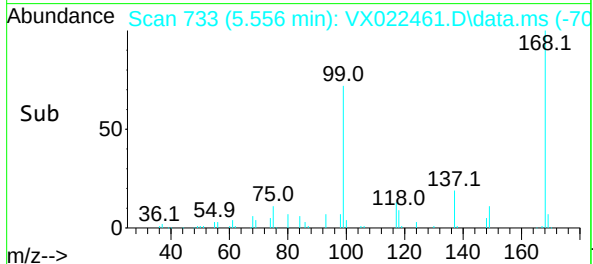
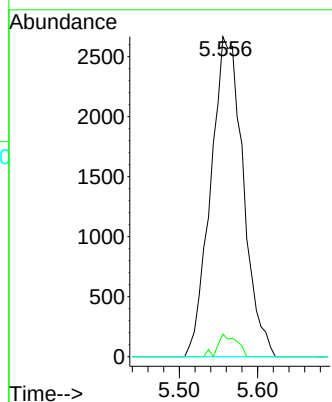


#38
Carbon Tetrachloride
Concen: 6.320 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Instrument :
MSVOA_X
ClientSampled :

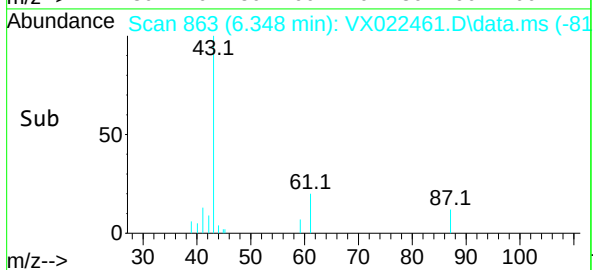
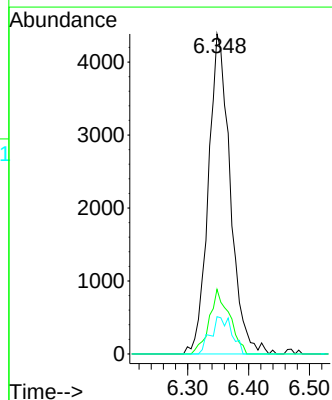
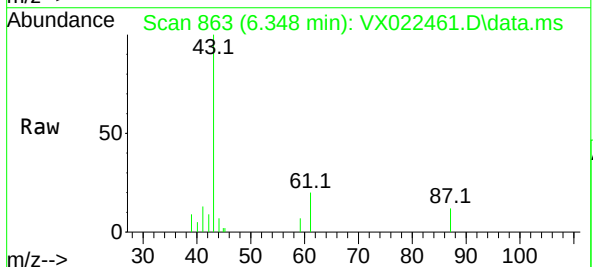


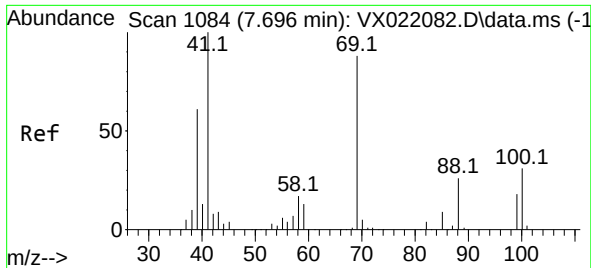
Tgt Ion:117 Resp: 7662
Ion Ratio Lower Upper
117 100
119 7.0 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 4.402 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.001 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Tgt Ion: 43 Resp: 10940
Ion Ratio Lower Upper
43 100
61 18.6 18.2 27.4
87 11.1 12.5 18.7#

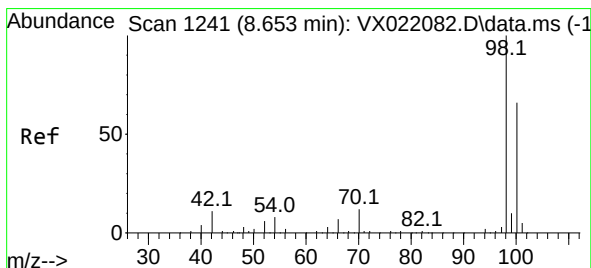
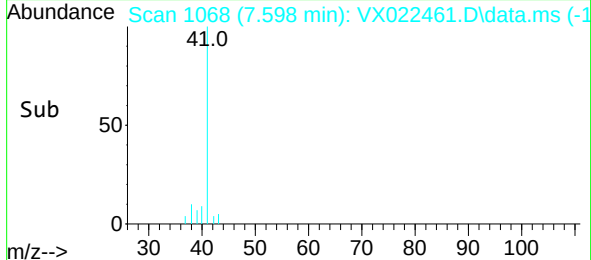
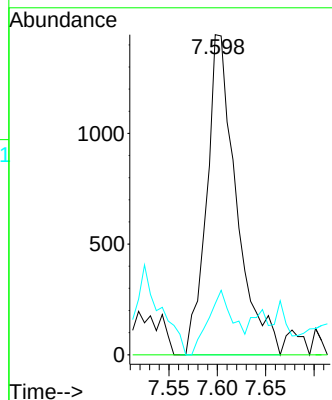
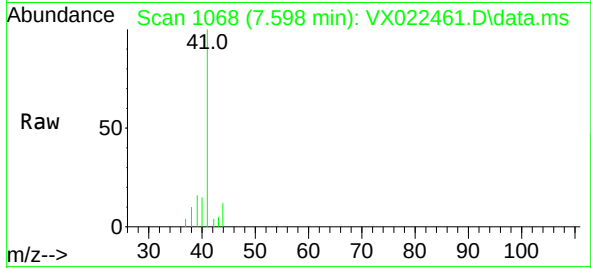




#48
Methyl methacrylate
Concen: 2.695 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

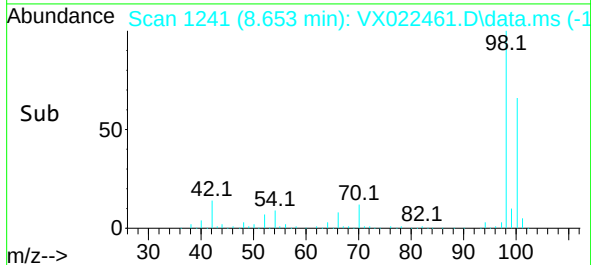
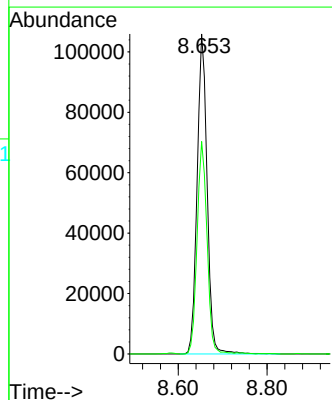
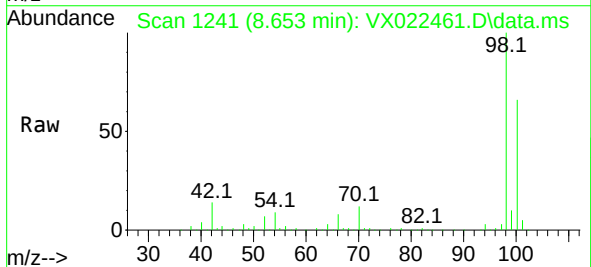
Instrument :
MSVOA_X
ClientSampled :

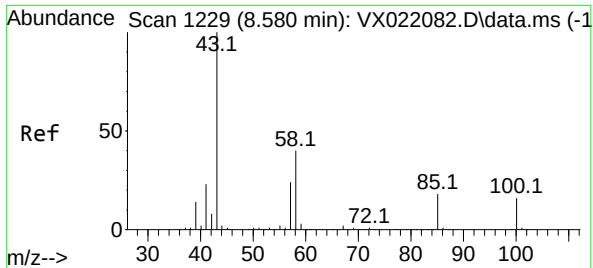
Tgt Ion: 41 Resp: 3086
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#50
Toluene-d8
Concen: 50.442 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Tgt Ion: 98 Resp: 165152
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9

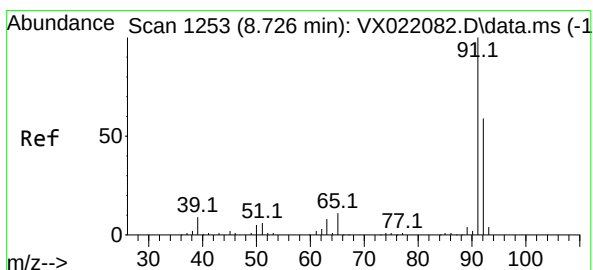
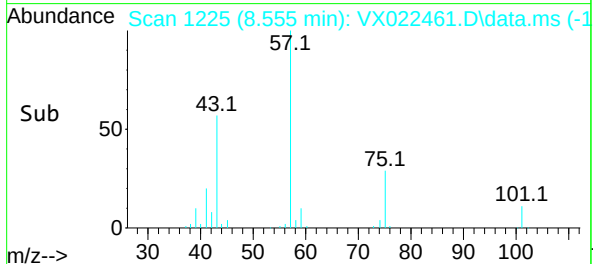
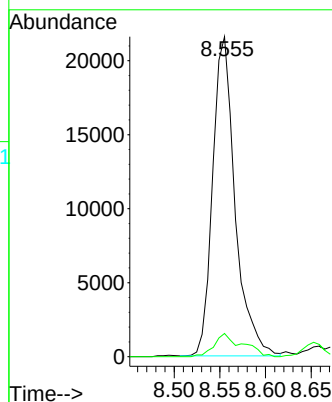
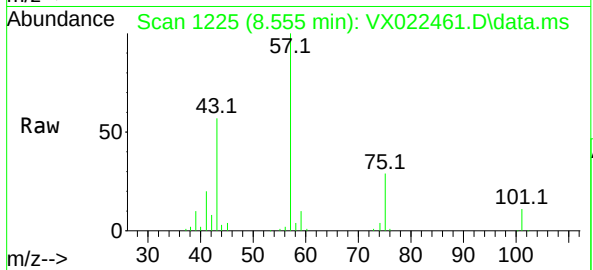




#51
4-Methyl-2-Pentanone
Concen: 24.723 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

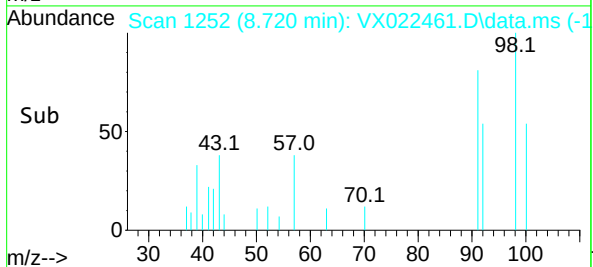
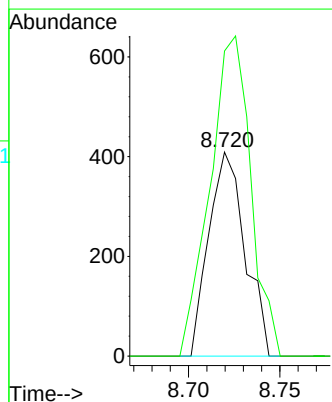
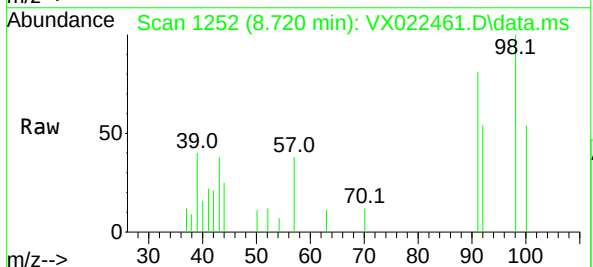
Instrument :
MSVOA_X
ClientSampled :

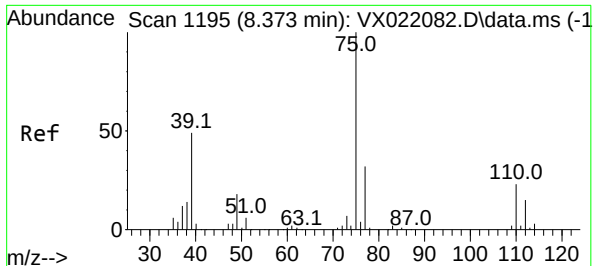
Tgt Ion: 43 Resp: 36802
Ion Ratio Lower Upper
43 100
58 9.1 35.4 53.0#



#52
Toluene
Concen: 0.234 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Tgt Ion: 92 Resp: 565
Ion Ratio Lower Upper
92 100
91 177.0 137.1 205.7

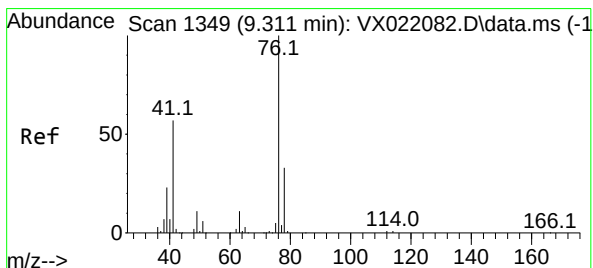
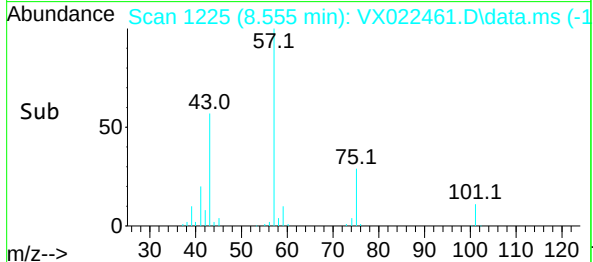
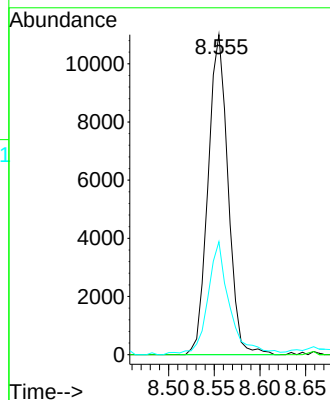
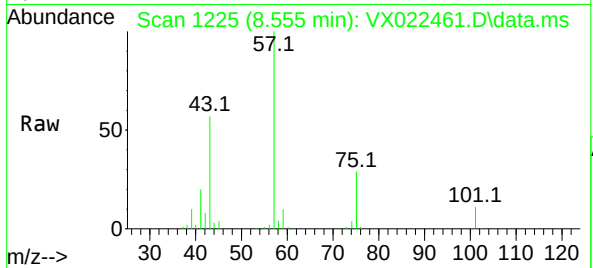




#54
cis-1,3-Dichloropropene
Concen: 10.159 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

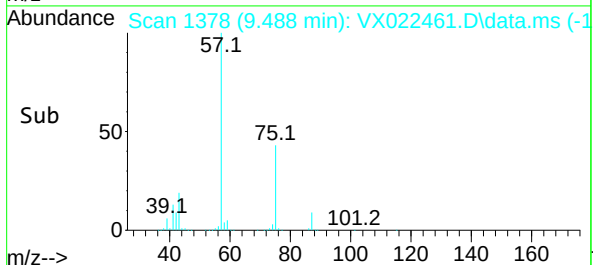
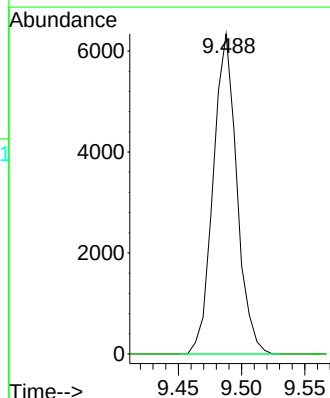
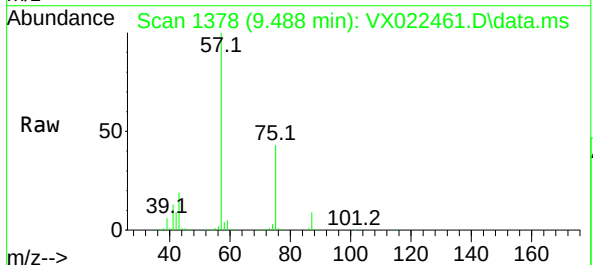
Instrument :
MSVOA_X
ClientSampled :

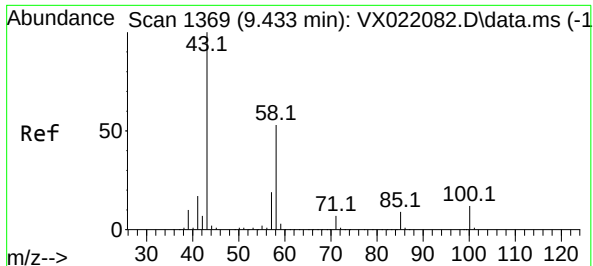
Tgt Ion: 75 Resp: 16649
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 34.7 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 4.913 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Tgt Ion: 76 Resp: 8223
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

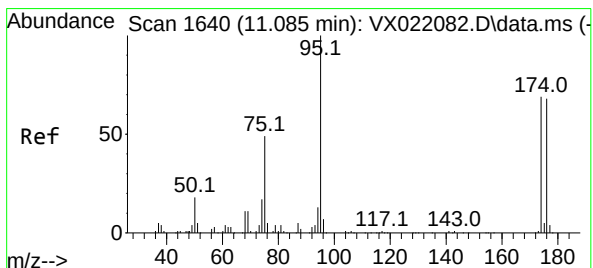
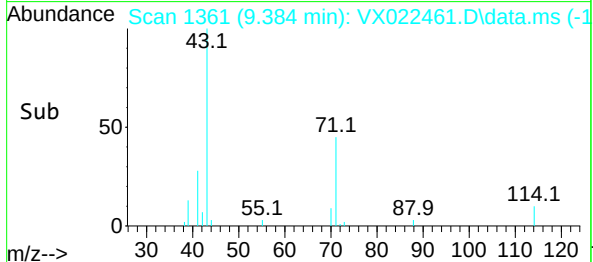
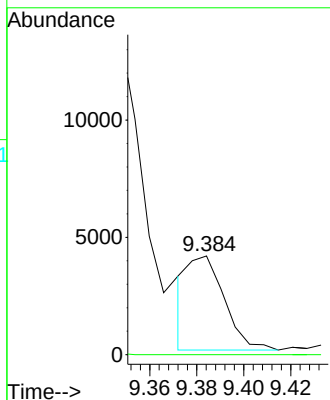
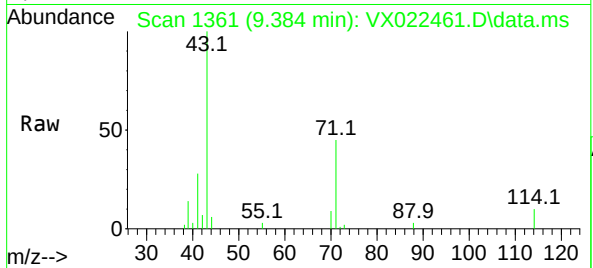




#59
2-Hexanone
Concen: 3.883 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

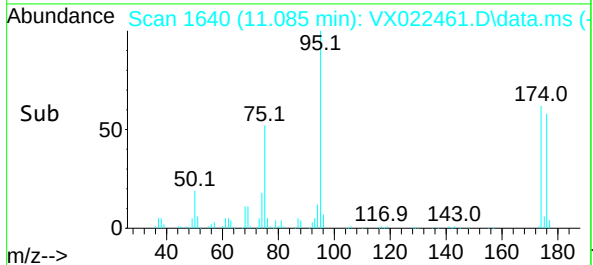
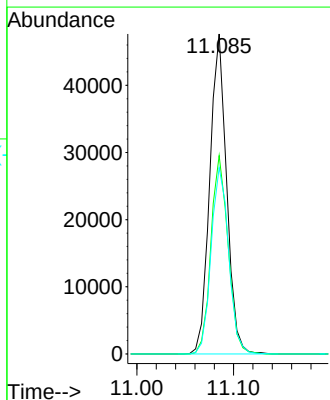
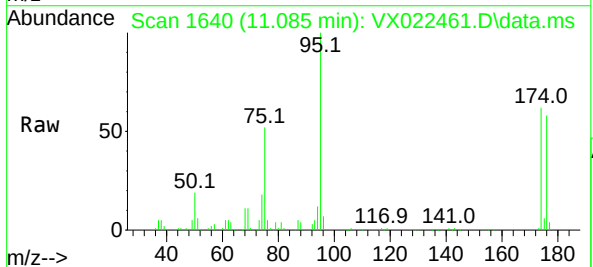
Instrument :
MSVOA_X
ClientSampled :

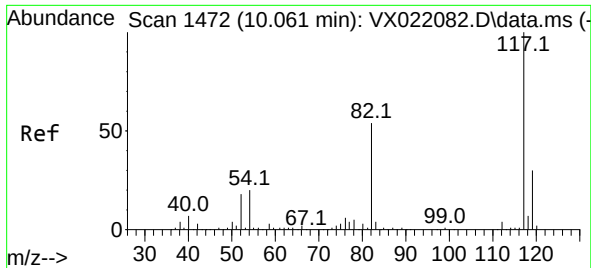
Tgt Ion: 43 Resp: 4347
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.723 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Tgt Ion: 95 Resp: 57753
Ion Ratio Lower Upper
95 100
174 63.0 0.0 154.6
176 60.4 0.0 155.8

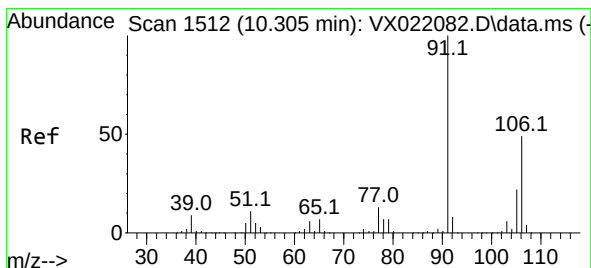
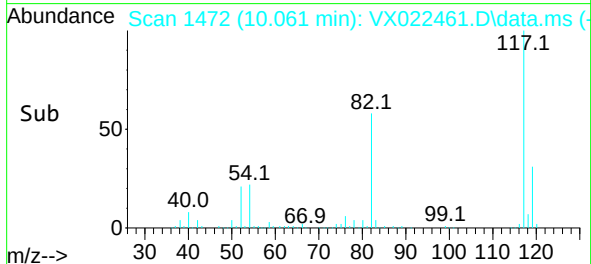
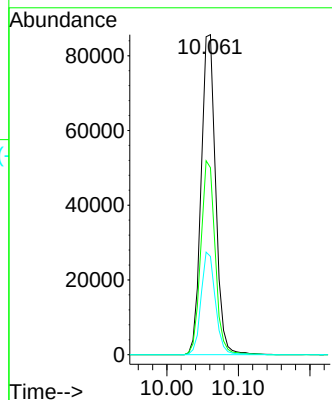
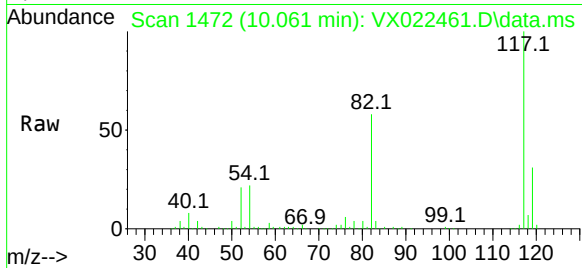




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

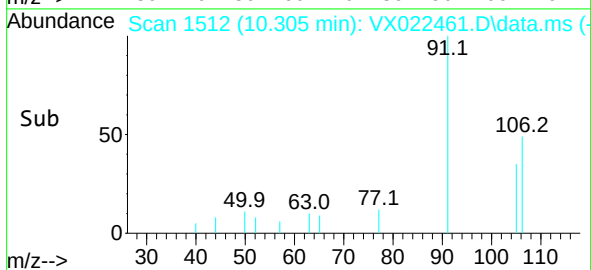
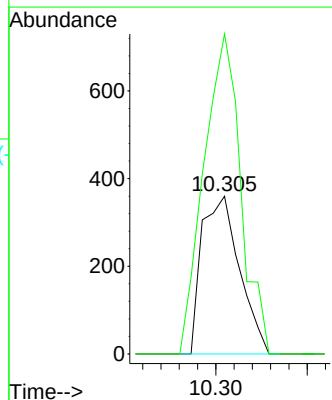
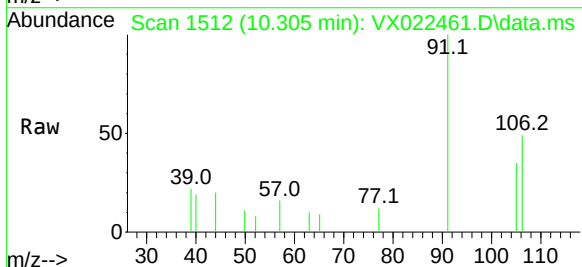
Instrument :
MSVOA_X
ClientSampled :

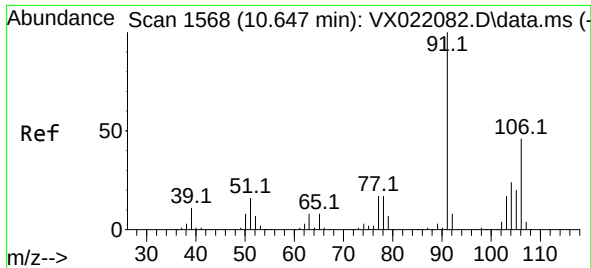
Tgt Ion:117 Resp: 120452
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 30.7 26.6 39.8



#68
m/p-Xylenes
Concen: 0.295 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Tgt Ion:106 Resp: 515
Ion Ratio Lower Upper
106 100
91 199.2 162.8 244.2

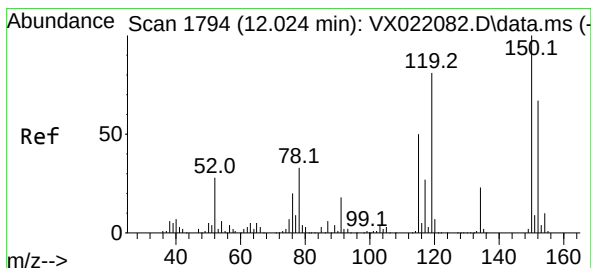
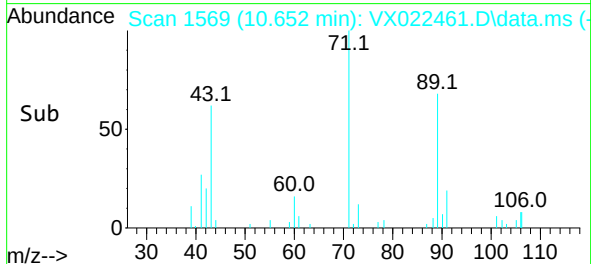
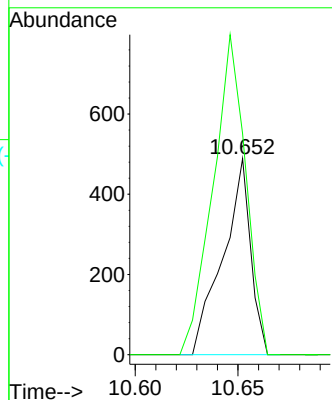
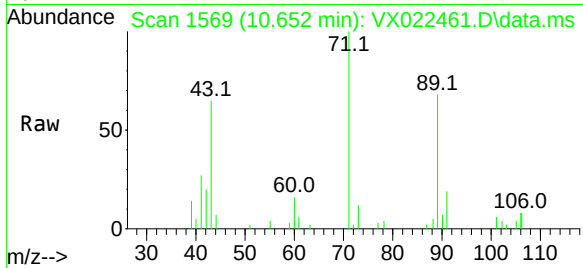




#69
o-Xylene
Concen: 0.271 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.005 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

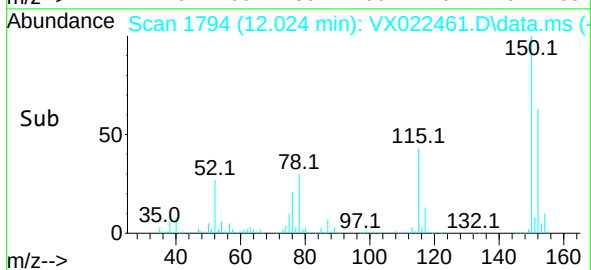
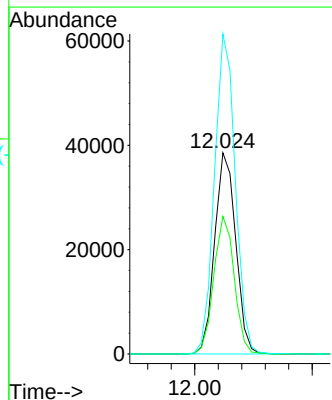
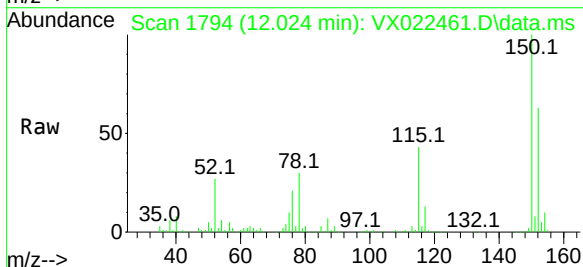
Instrument :
MSVOA_X
ClientSampled :

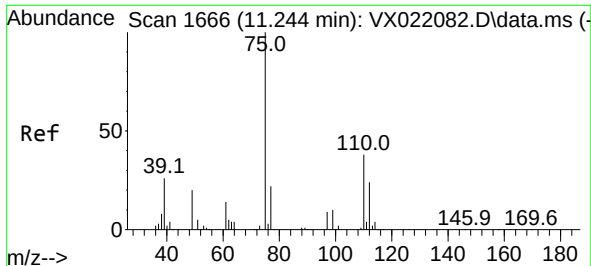
Tgt Ion:106 Resp: 460
Ion Ratio Lower Upper
106 100
91 192.0 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Tgt Ion:152 Resp: 48041
Ion Ratio Lower Upper
152 100
115 66.5 41.1 123.3
150 157.0 0.0 349.0

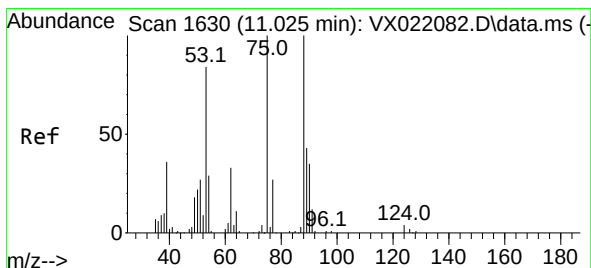
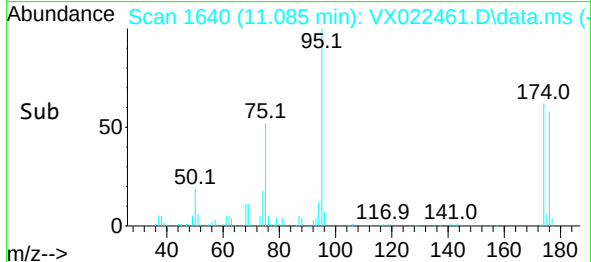
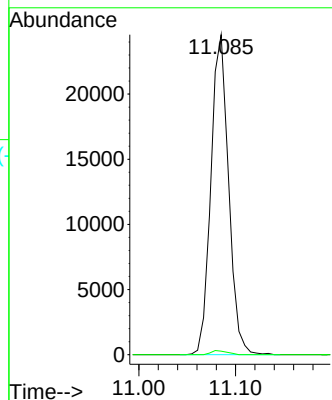
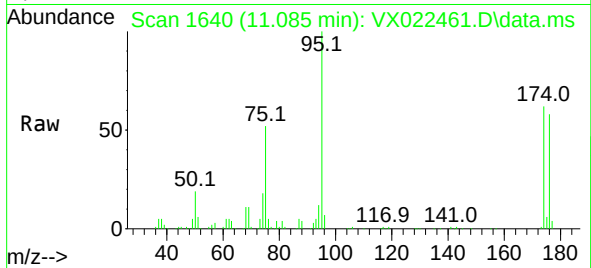




#76
1,2,3-Trichloropropane
Concen: 26.379 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

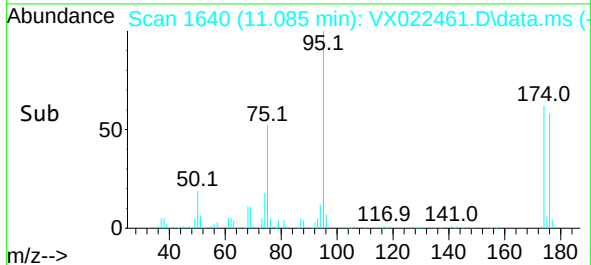
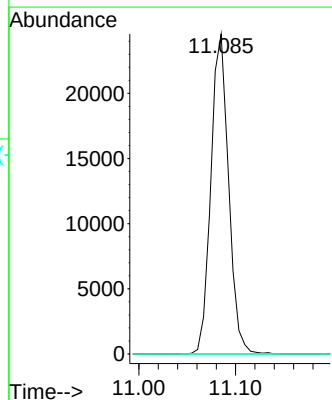
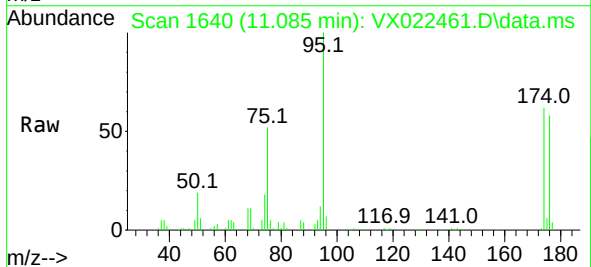
Instrument :
MSVOA_X
ClientSampled :

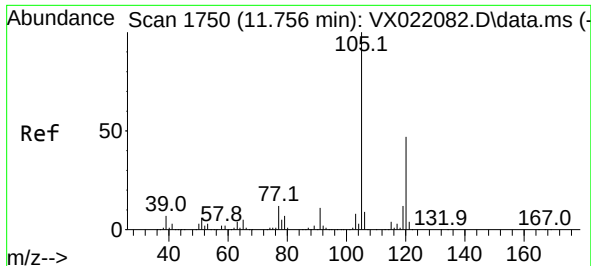
Tgt Ion: 75 Resp: 31264
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.502 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Tgt Ion: 75 Resp: 31264
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

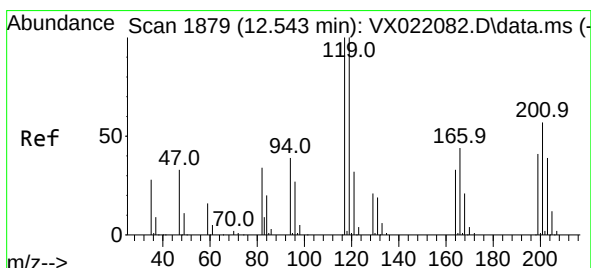
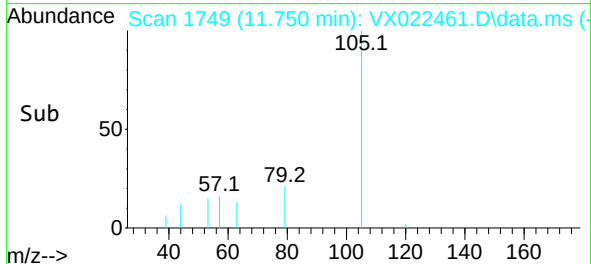
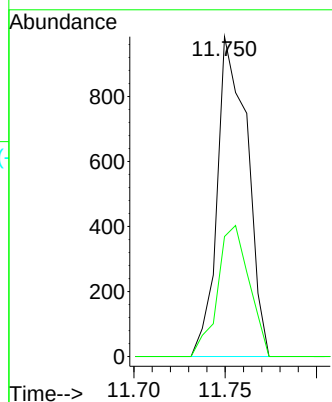
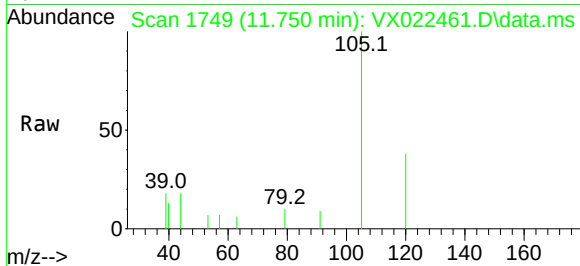




#84
1,2,4-Trimethylbenzene
Concen: 0.332 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

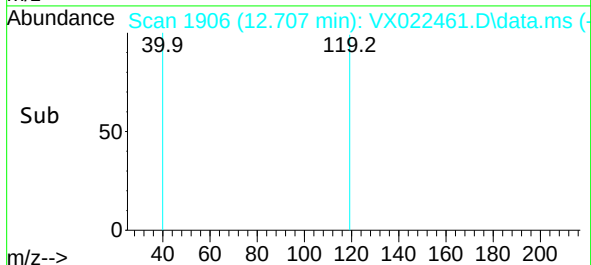
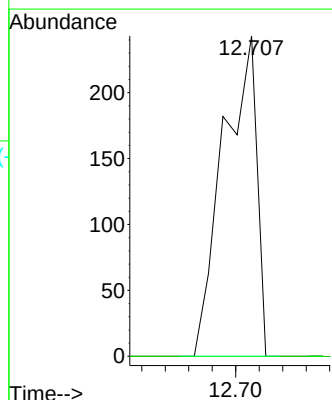
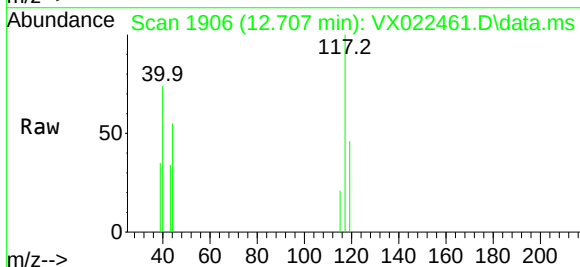
Instrument :
MSVOA_X
ClientSampled :

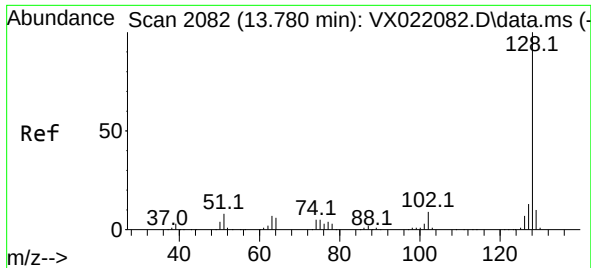
Tgt Ion:105 Resp: 1125
Ion Ratio Lower Upper
105 100
120 43.1 22.4 67.3



#90
Hexachloroethane
Concen: 0.419 ug/l
RT: 12.707 min Scan# 1906
Delta R.T. 0.164 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

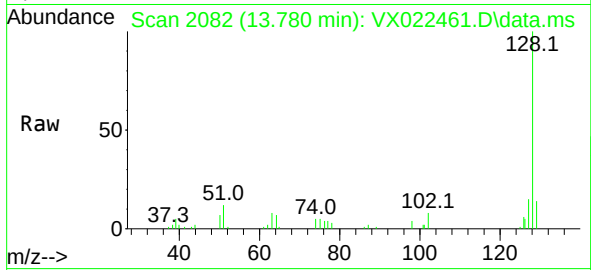
Tgt Ion:117 Resp: 240
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 2.525 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX022461.D
Acq: 05 Jun 2021 11:02

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 9488
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.3 8.8 13.2

