

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024735.D
 Acq On : 12 Oct 2021 01:49
 Operator : JC/MD
 Sample : PB139767TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:08:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

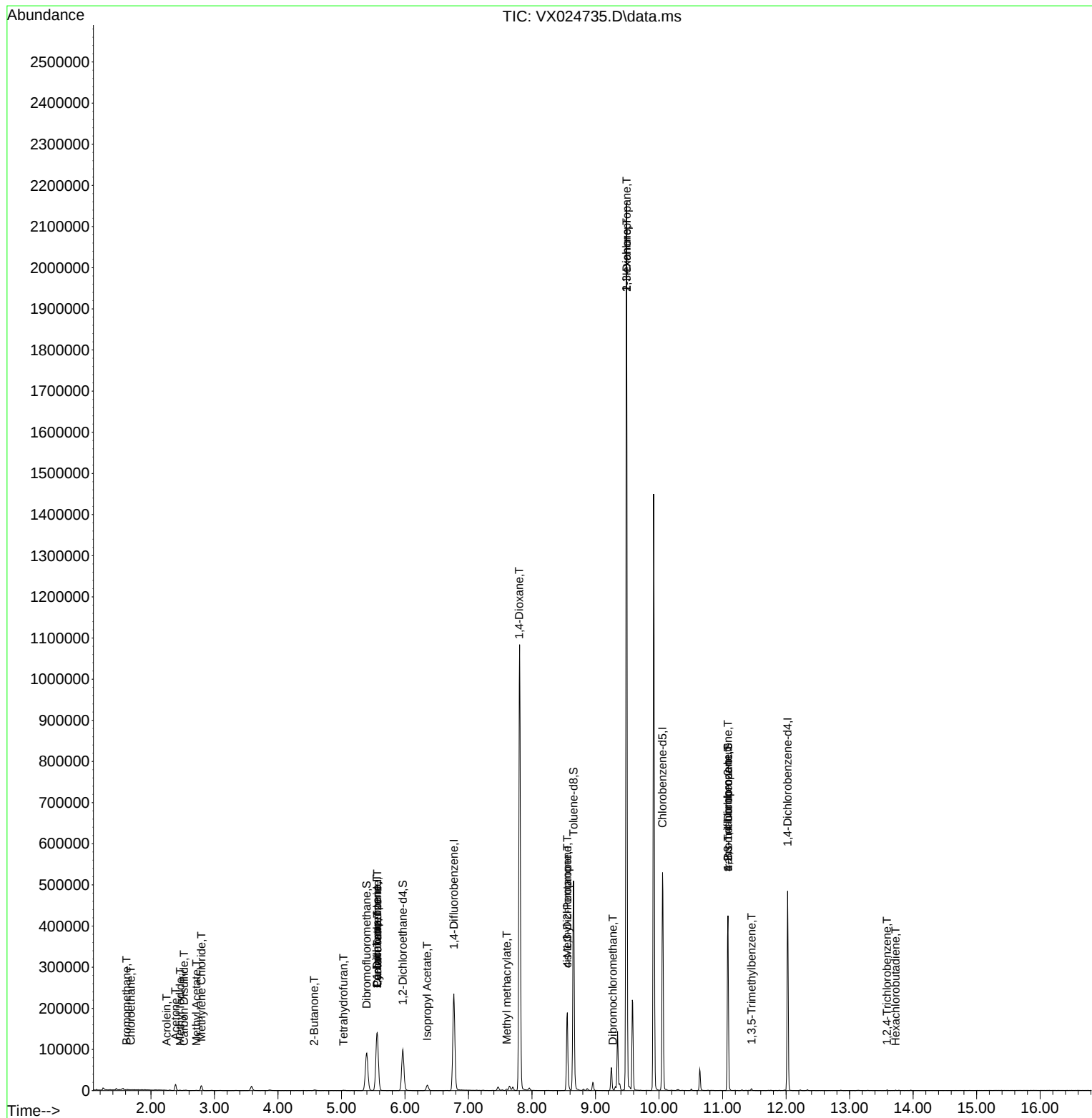
Internal Standards						
1) Pentafluorobenzene	5.562	168	131860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	227825	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99940	53.777	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.560%			
35) Dibromofluoromethane	5.397	113	76592	50.606	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.220%			
50) Toluene-d8	8.653	98	291105	52.259	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.520%			
62) 4-Bromofluorobenzene	11.085	95	106892	48.804	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.600%			
Target Compounds					Qvalue	
5) Bromomethane	1.617	94	402	0.457	ug/l #	58
6) Chloroethane	1.684	64	161	0.442	ug/l #	43
10) Methyl Iodide	2.459	142	827	0.454	ug/l #	93
11) Tert butyl alcohol	2.965	59	556	Below Cal	#	73
13) Acrolein	2.245	56	50	10.535	ug/l #	14
16) Acetone	2.385	43	15753	10.370	ug/l	91
17) Carbon Disulfide	2.520	76	1062	0.567	ug/l #	75
18) Methyl Acetate	2.715	43	977	0.351	ug/l #	85
20) Methylene Chloride	2.794	84	5424	2.821	ug/l	90
25) 2-Butanone	4.568	43	2840	2.219	ug/l	90
29) Tetrahydrofuran	5.031	42	506	0.620	ug/l #	75
31) Cyclohexane	5.562	56	3050	1.371	ug/l #	16
36) 1,1-Dichloropropene	5.556	75	10461	4.790	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13767	5.791	ug/l #	17
43) Isopropyl Acetate	6.348	43	17718	4.274	ug/l #	92
48) Methyl methacrylate	7.604	41	5468	2.664	ug/l #	10
49) 1,4-Dioxane	7.799	88	112	2.382	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	67464	24.651	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	28301	11.090	ug/l #	69
57) 1,3-Dichloropropane	9.488	76	17736	6.301	ug/l #	42
59) 2-Hexanone	9.488	43	261024	121.110	ug/l #	43
60) Dibromochloromethane	9.274	129	189	1.285	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	57633	26.290	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	1781	0.305	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.085	75	57633	71.591	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	497	0.236	ug/l	100
94) Hexachlorobutadiene	13.725	225	207	0.215	ug/l	94

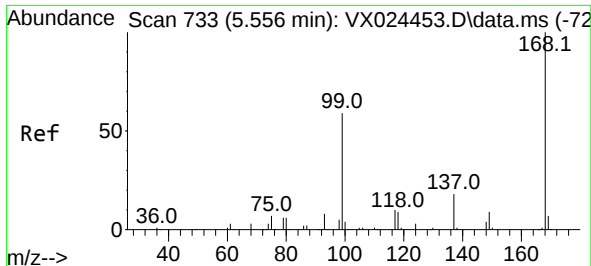
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

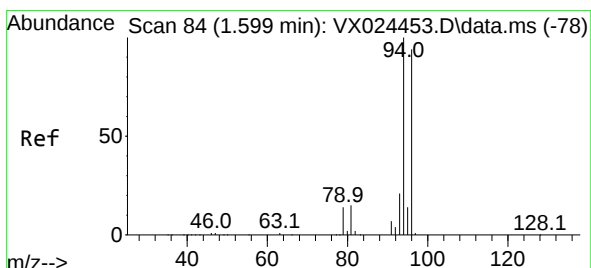
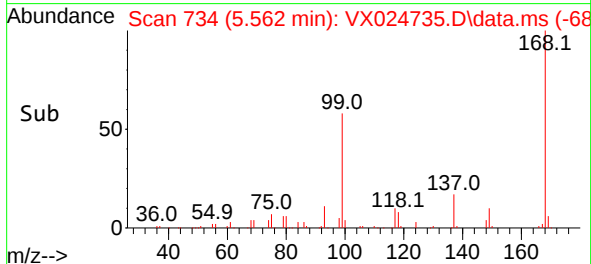
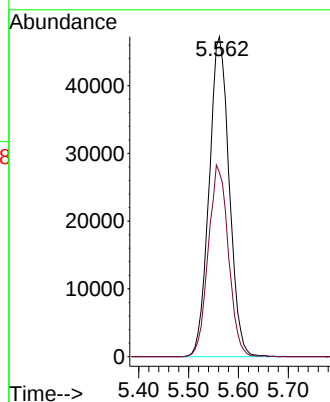
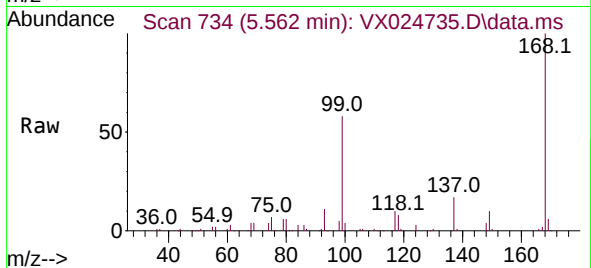




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

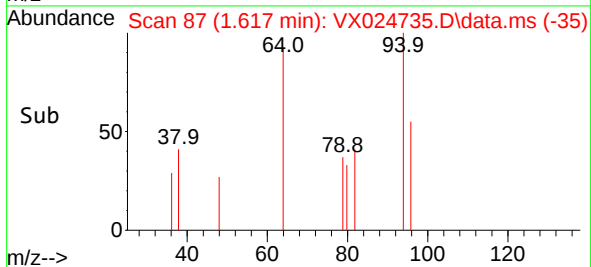
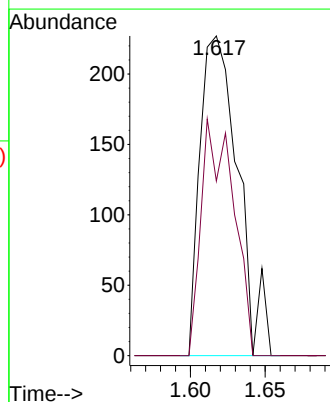
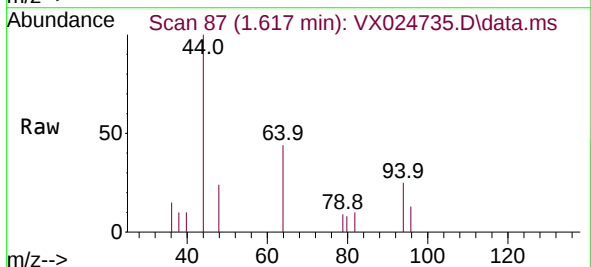
Instrument :
MSVOA_X
ClientSampled :

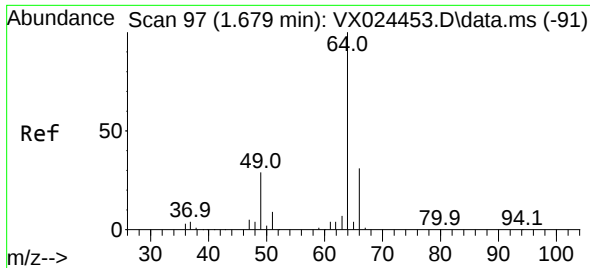
Tgt Ion:168 Resp: 131860
Ion Ratio Lower Upper
168 100
99 57.6 45.8 68.6



#5
Bromomethane
Concen: 0.457 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

Tgt Ion: 94 Resp: 402
Ion Ratio Lower Upper
94 100
96 54.6 76.4 114.6#

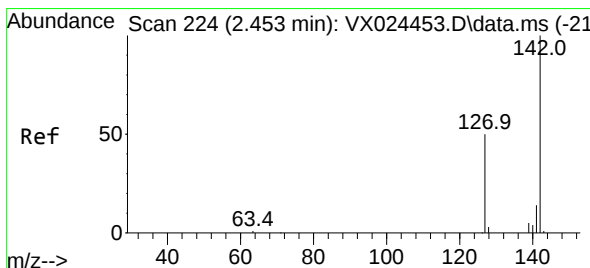
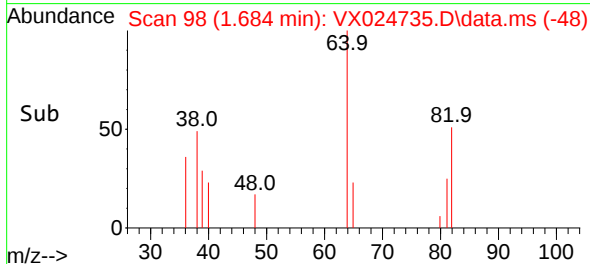
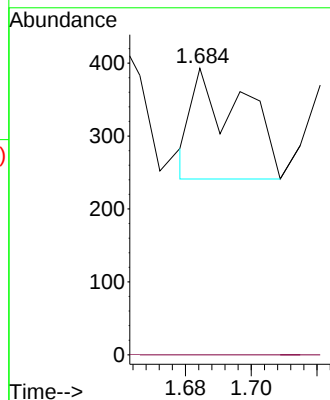
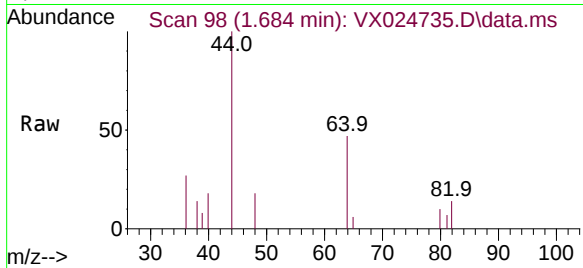




#6
Chloroethane
Concen: 0.442 ug/l
RT: 1.684 min Scan# 98
Delta R.T. 0.005 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

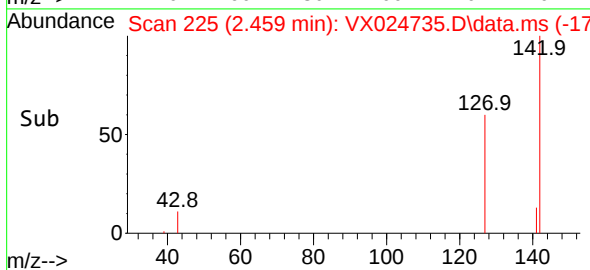
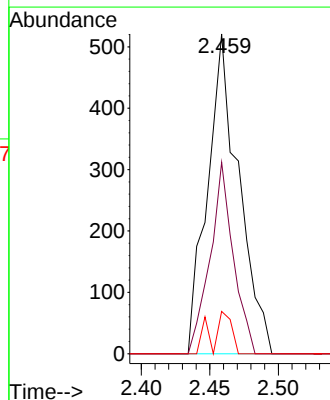
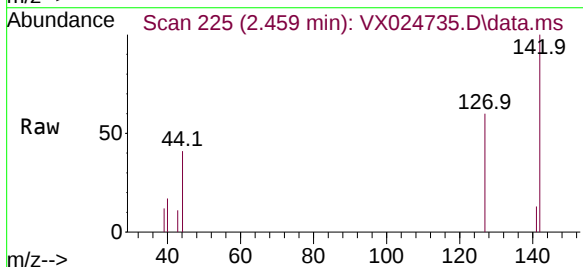
Instrument :
MSVOA_X
ClientSampled :

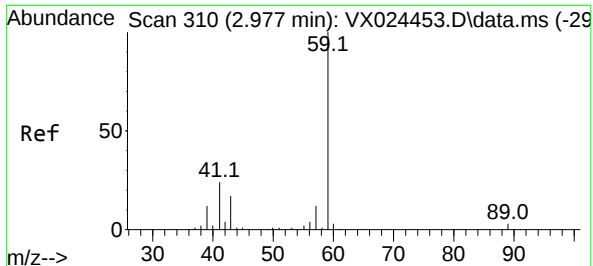
Tgt Ion: 64 Resp: 161
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.454 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

Tgt Ion: 142 Resp: 827
Ion Ratio Lower Upper
142 100
127 44.5 33.3 49.9
141 8.2 11.4 17.0#

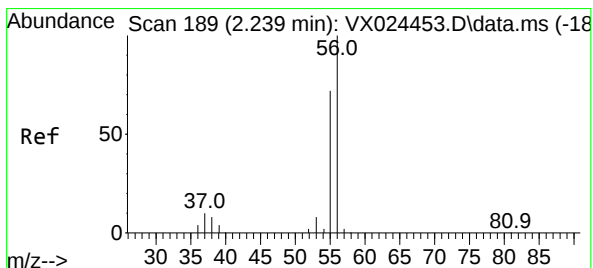
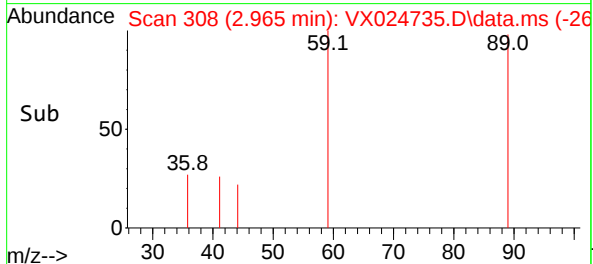
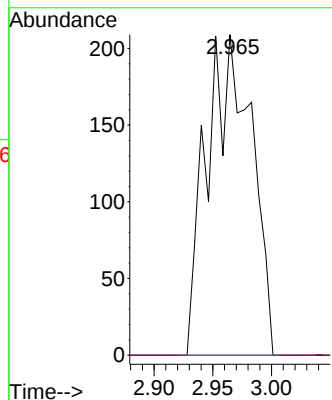
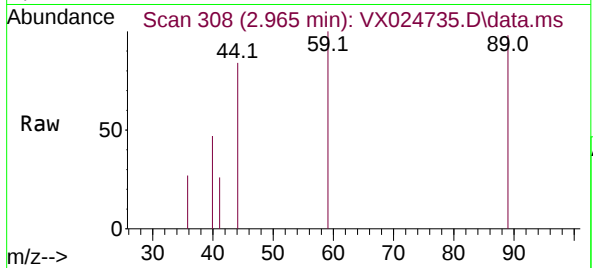




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

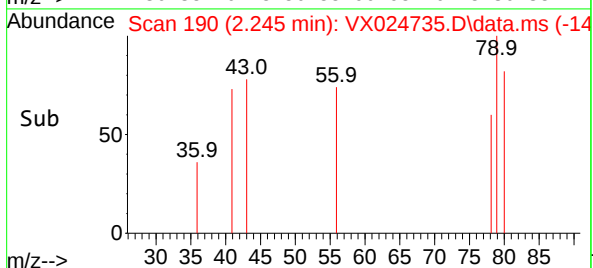
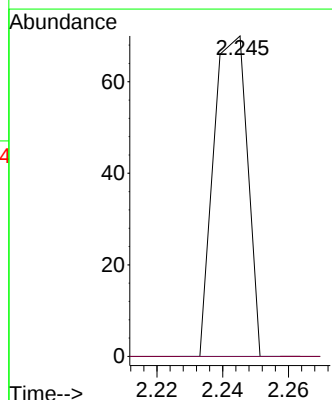
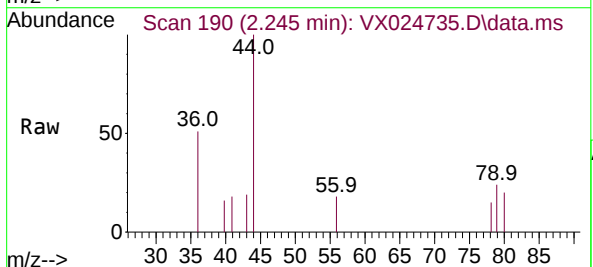
Instrument :
MSVOA_X
ClientSampled :

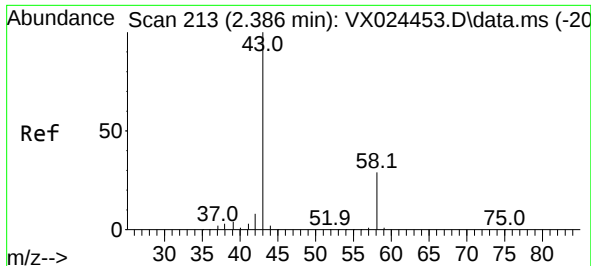
Tgt Ion: 59 Resp: 556
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 10.535 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

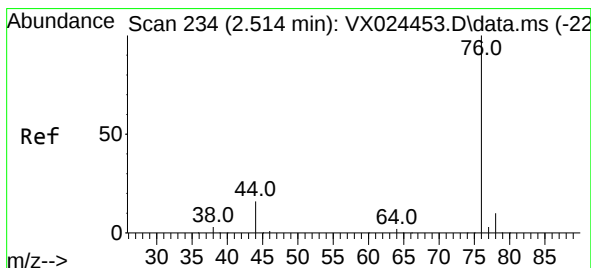
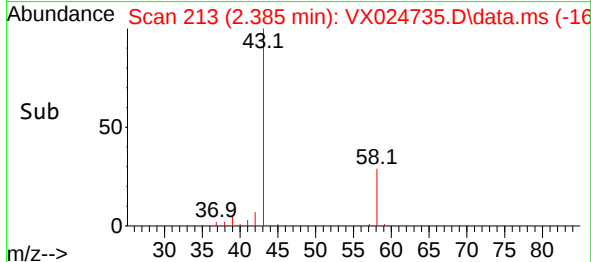
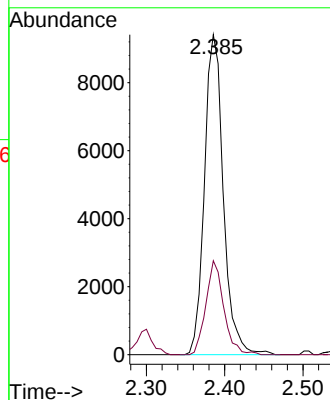
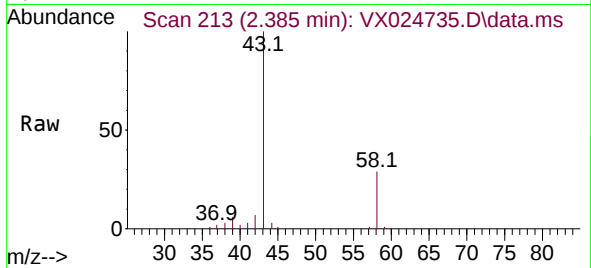




#16
Acetone
Concen: 10.370 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.001 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

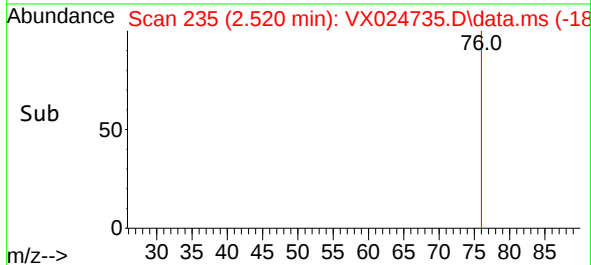
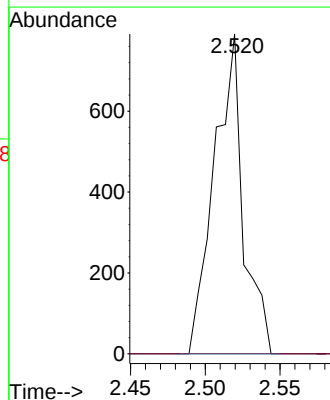
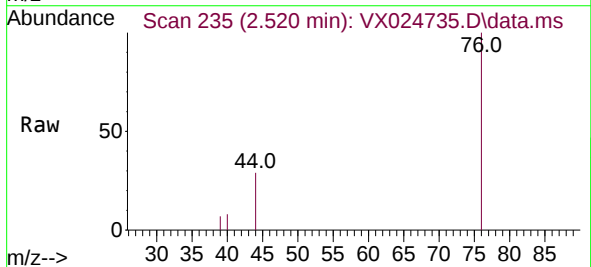
Instrument :
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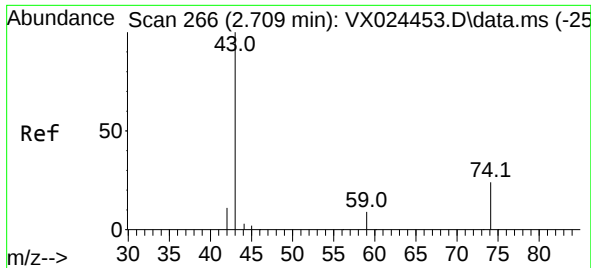
Tgt Ion: 43 Resp: 15753
Ion Ratio Lower Upper
43 100
58 29.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.567 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

Tgt Ion: 76 Resp: 1062
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

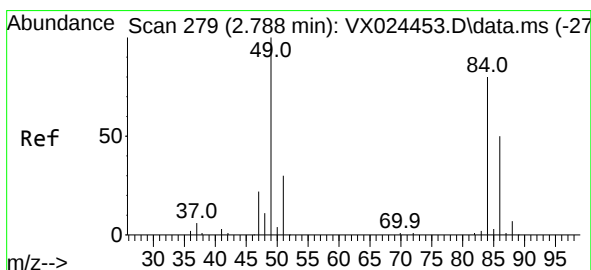
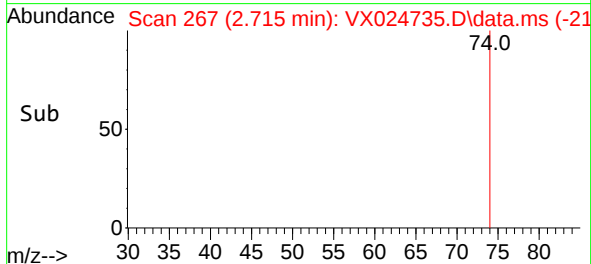
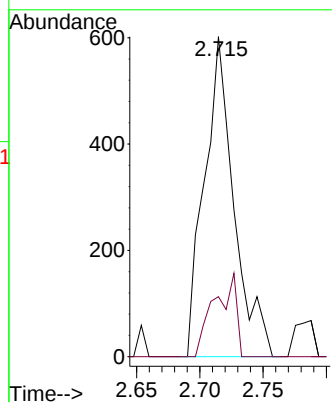
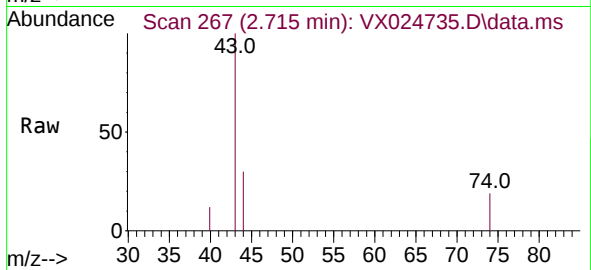




#18
Methyl Acetate
Concen: 0.351 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

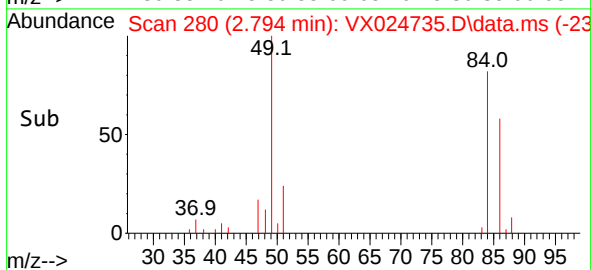
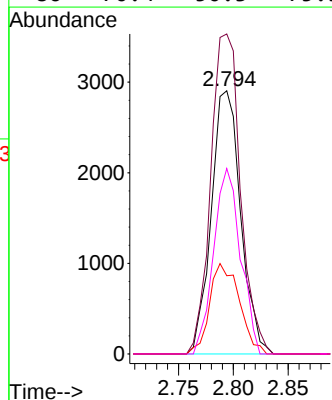
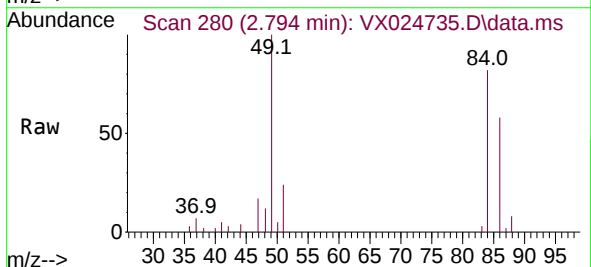
Instrument :
MSVOA_X
ClientSampled :

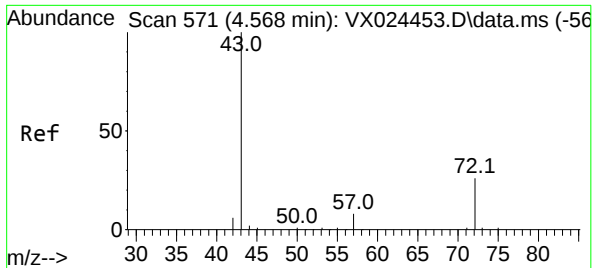
Tgt Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
74 19.5 21.9 32.9#



#20
Methylene Chloride
Concen: 2.821 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

Tgt Ion: 84 Resp: 5424
Ion Ratio Lower Upper
84 100
49 121.5 88.6 132.8
51 29.7 27.0 40.6
86 70.4 50.3 75.5

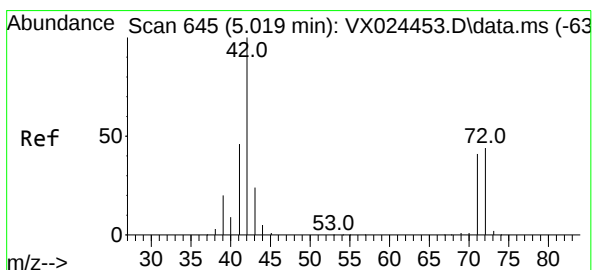
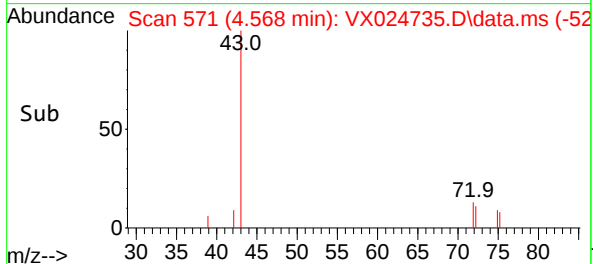
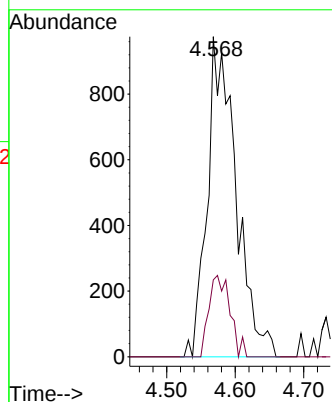
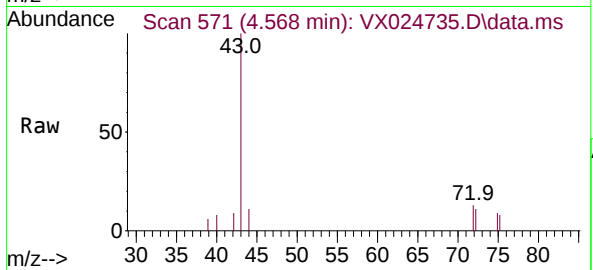




#25
2-Butanone
Concen: 2.219 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

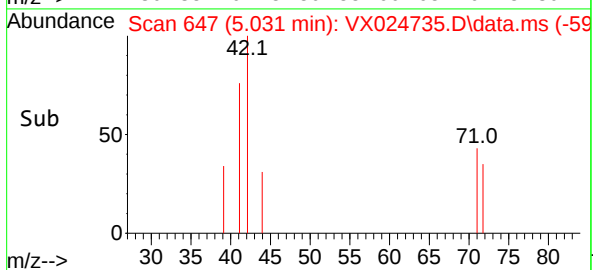
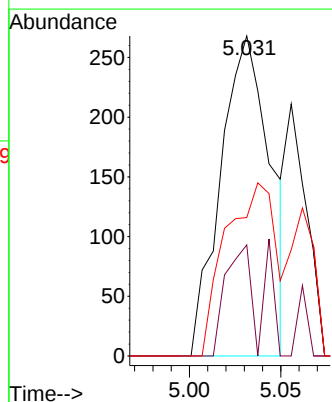
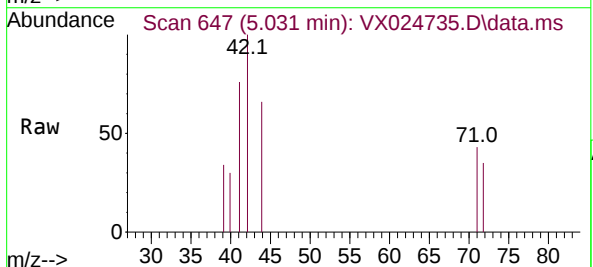
Instrument :
MSVOA_X
ClientSampled :

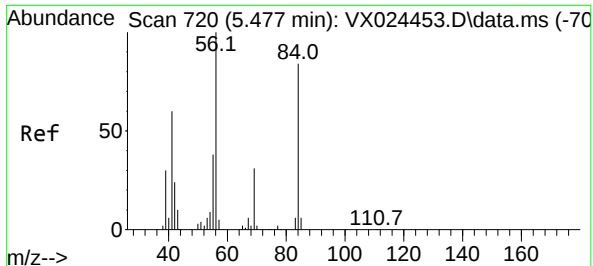
Tgt Ion: 43 Resp: 2840
Ion Ratio Lower Upper
43 100
72 24.0 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.620 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.012 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

Tgt Ion: 42 Resp: 506
Ion Ratio Lower Upper
42 100
72 24.5 41.7 62.5#
71 54.0 38.4 57.6

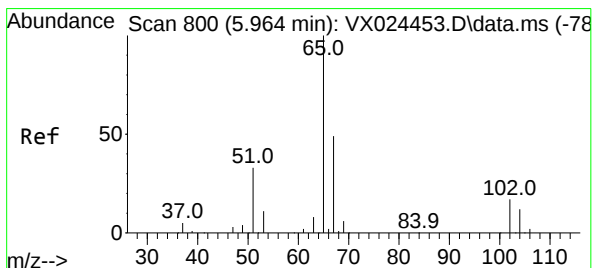
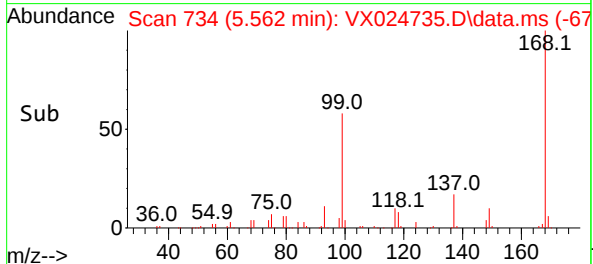
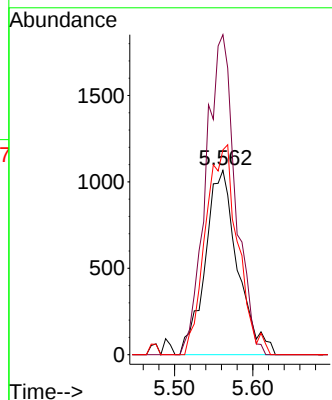
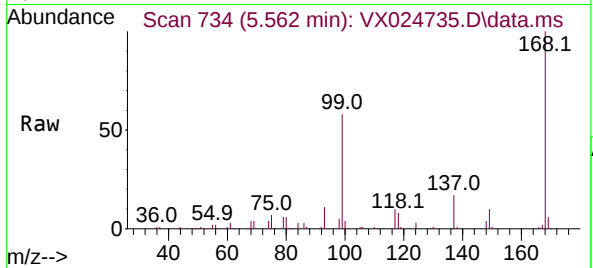




#31
Cyclohexane
Concen: 1.371 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

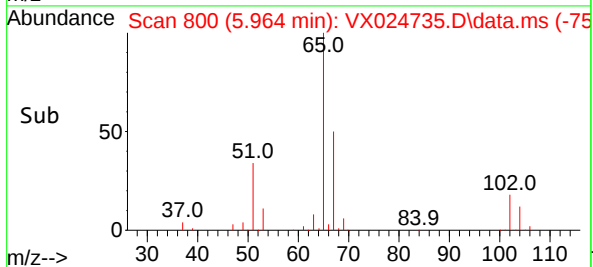
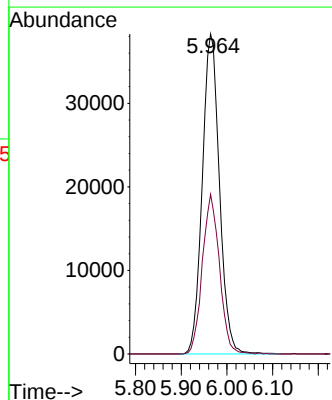
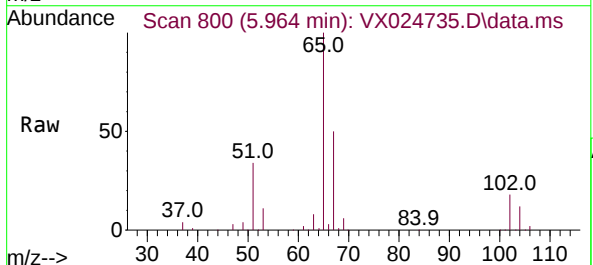
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ClientSampled :

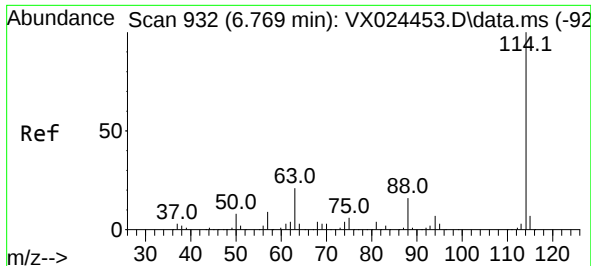
Tgt Ion: 56 Resp: 3050
Ion Ratio Lower Upper
56 100
69 173.6 25.3 37.9#
84 111.1 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.777 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

Tgt Ion: 65 Resp: 99940
Ion Ratio Lower Upper
65 100
67 49.7 0.0 105.4

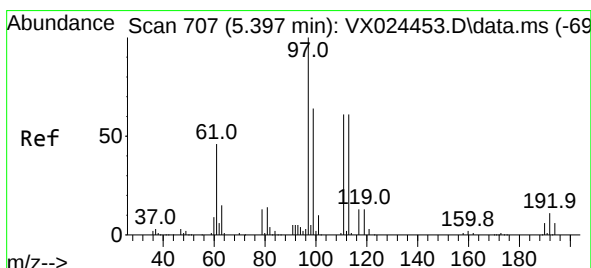
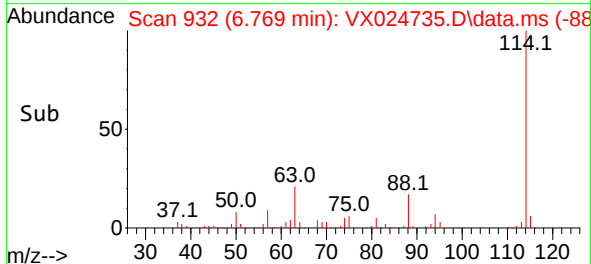
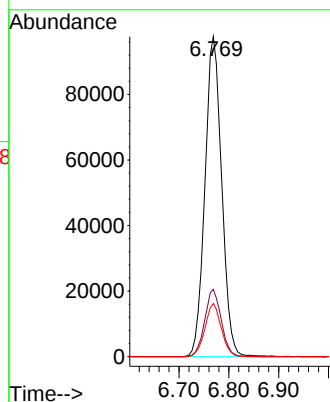
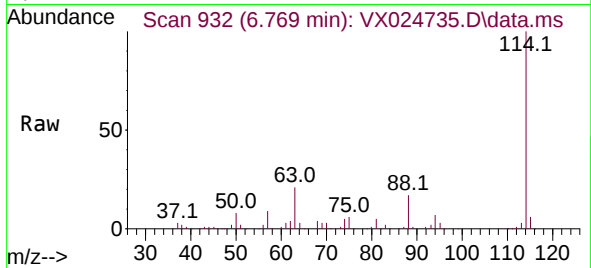




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

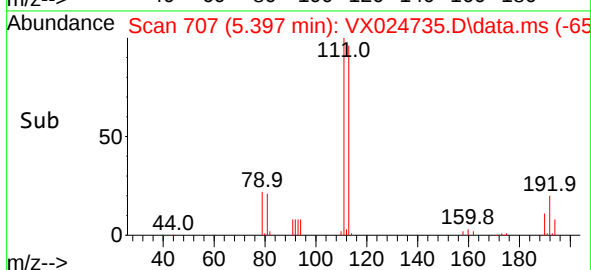
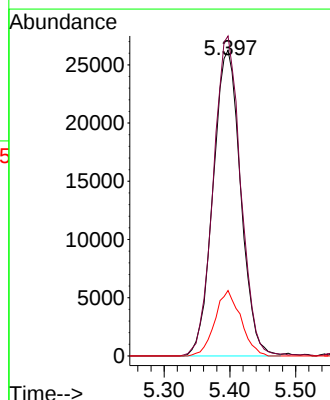
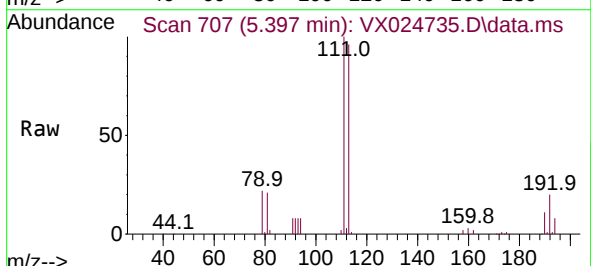
Instrument :
MSVOA_X
ClientSampled :

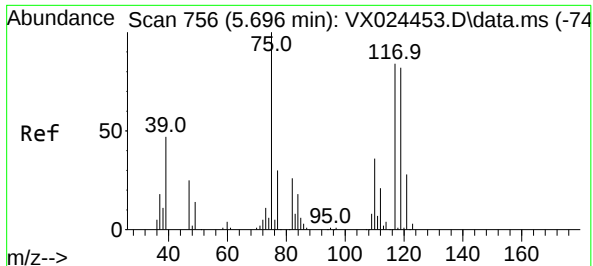
Tgt Ion:114 Resp: 227825
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.606 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

Tgt Ion:113 Resp: 76592
Ion Ratio Lower Upper
113 100
111 104.2 81.9 122.9
192 20.2 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.790 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX024735.D

Acq: 12 Oct 2021 01:49

Tgt Ion: 75 Resp: 10461

Ion Ratio Lower Upper

75 100

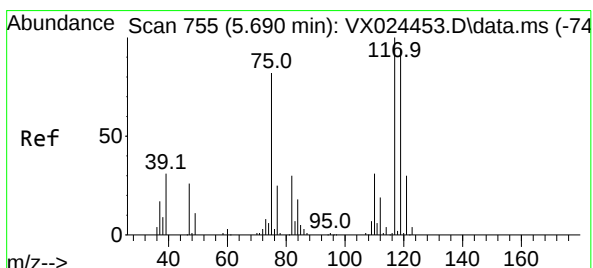
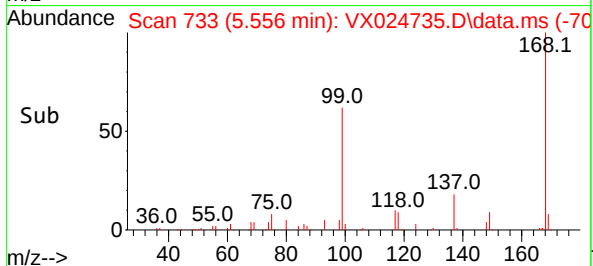
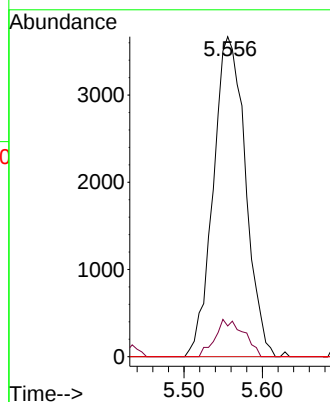
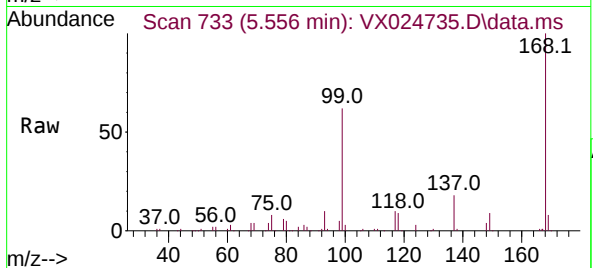
110 10.4 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.791 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX024735.D

Acq: 12 Oct 2021 01:49

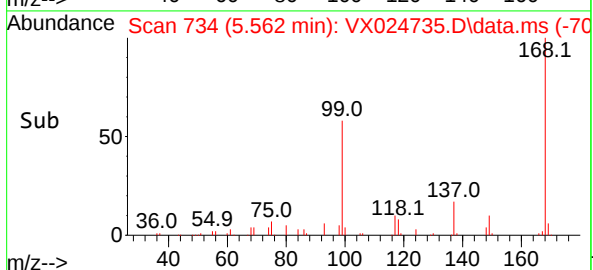
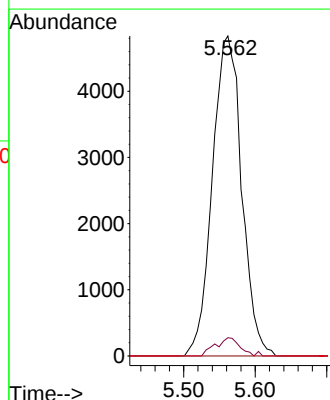
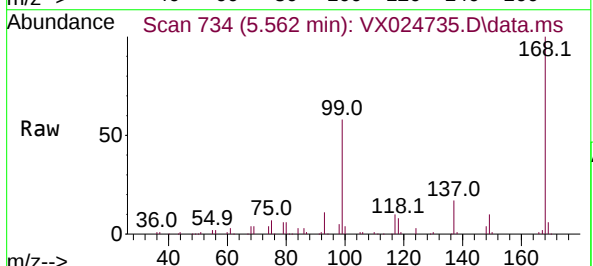
Tgt Ion:117 Resp: 13767

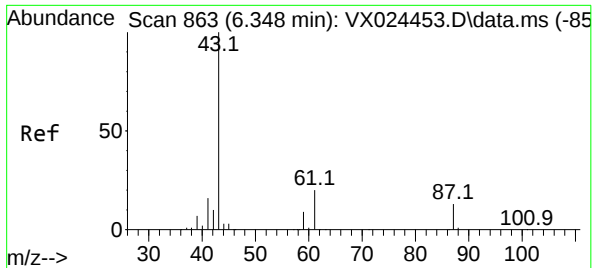
Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

121 0.0 24.8 37.2#

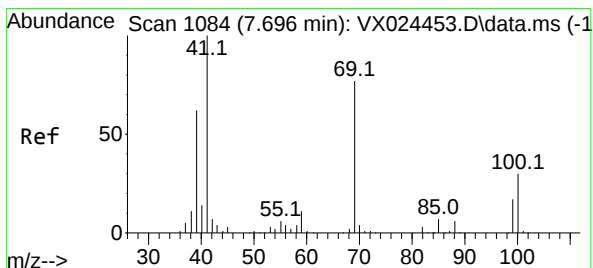
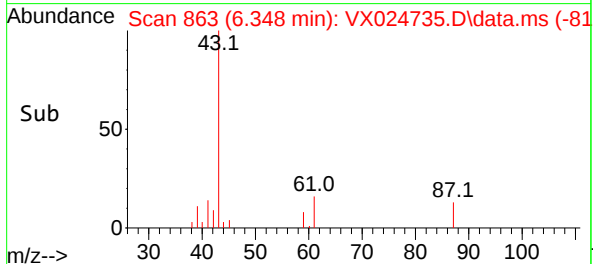
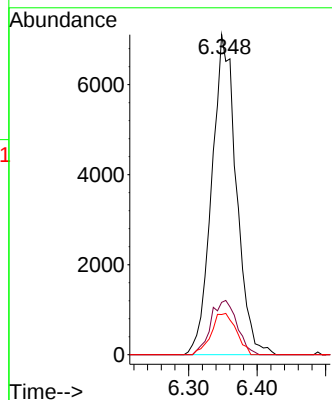
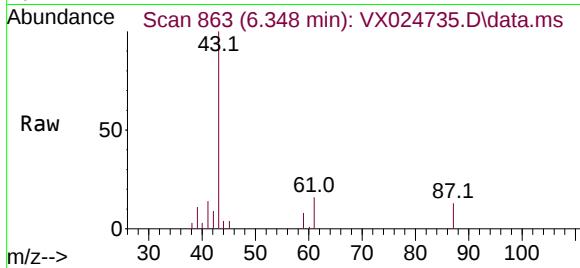




#43
Isopropyl Acetate
Concen: 4.274 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

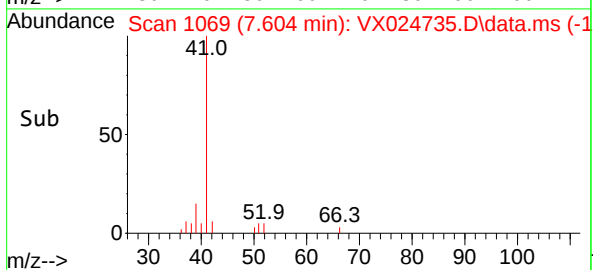
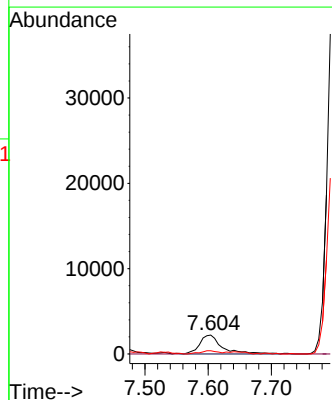
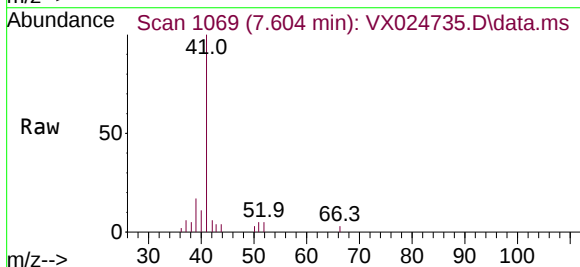
Instrument :
MSVOA_X
ClientSampled :

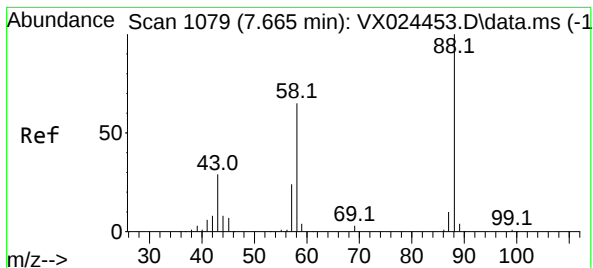
Tgt Ion: 43 Resp: 17718
Ion Ratio Lower Upper
43 100
61 18.0 18.2 27.4#
87 13.1 12.5 18.7



#48
Methyl methacrylate
Concen: 2.664 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

Tgt Ion: 41 Resp: 5468
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: 2.382 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX024735.D

Acq: 12 Oct 2021 01:49

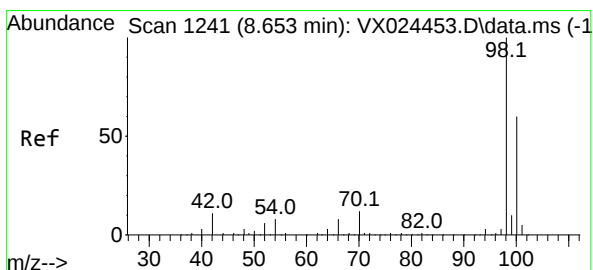
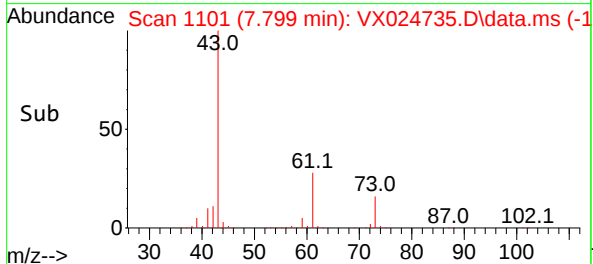
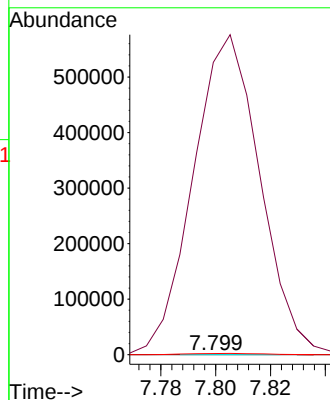
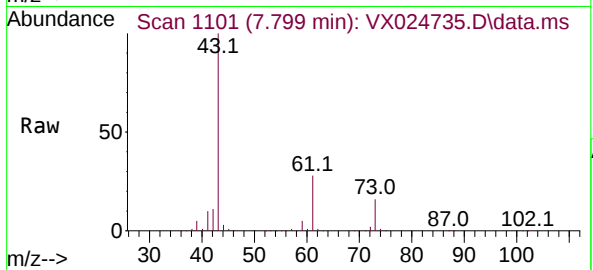
Tgt Ion: 88 Resp: 112

Ion Ratio Lower Upper

88 100

43 879184.8 23.2 34.8#

58 3886.6 55.0 82.4#



#50

Toluene-d8

Concen: 52.259 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024735.D

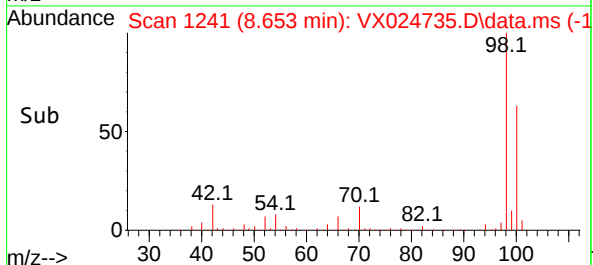
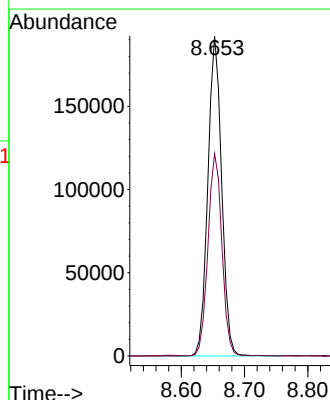
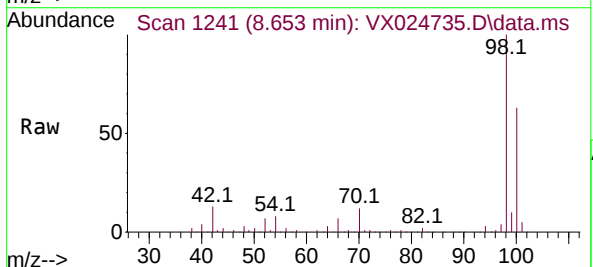
Acq: 12 Oct 2021 01:49

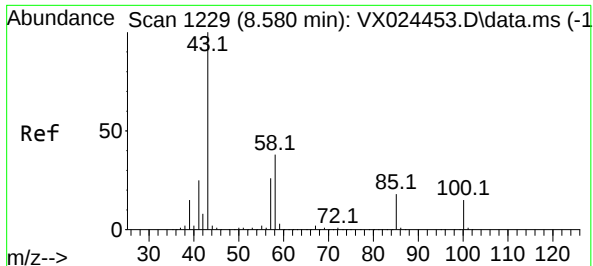
Tgt Ion: 98 Resp: 291105

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9

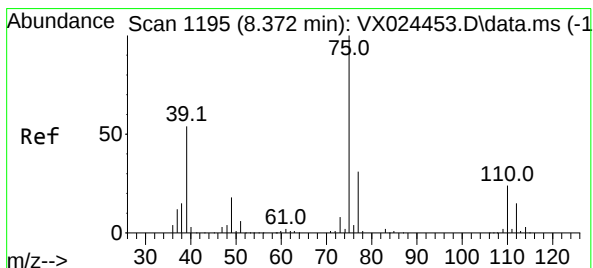
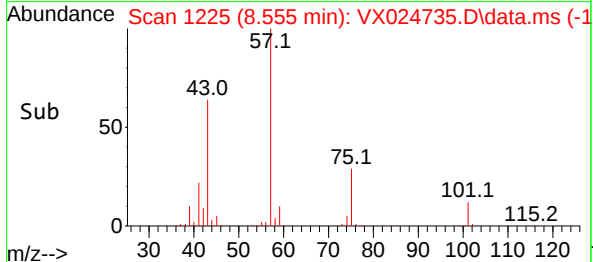
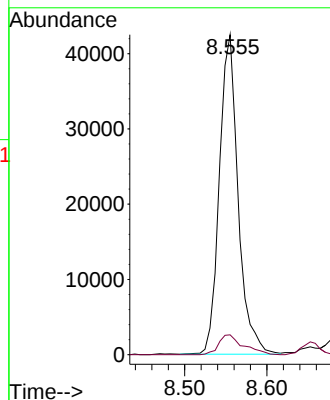
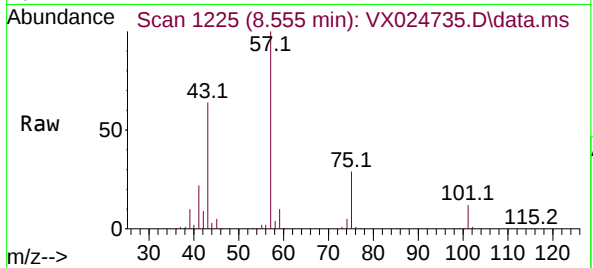




#51
4-Methyl-2-Pentanone
Concen: 24.651 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

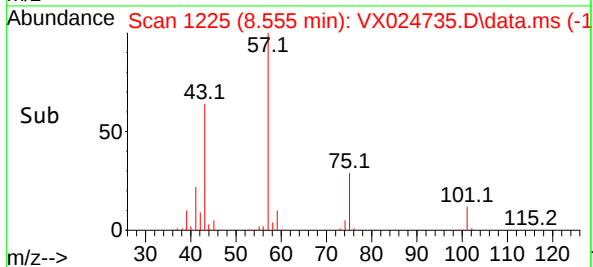
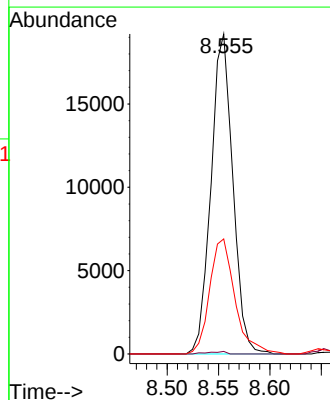
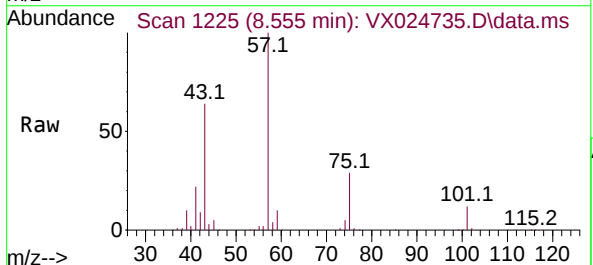
Instrument :
MSVOA_X
ClientSampled :

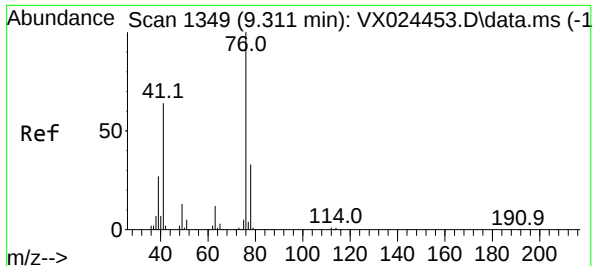
Tgt Ion: 43 Resp: 67464
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 11.090 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

Tgt Ion: 75 Resp: 28301
Ion Ratio Lower Upper
75 100
77 0.8 25.7 38.5#
39 35.9 35.1 52.7

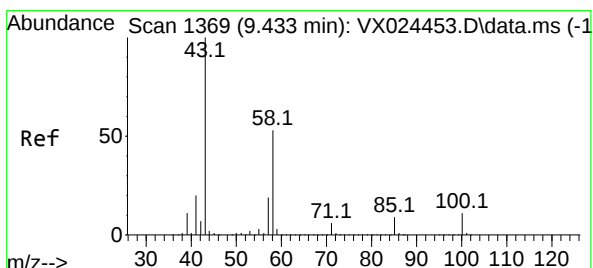
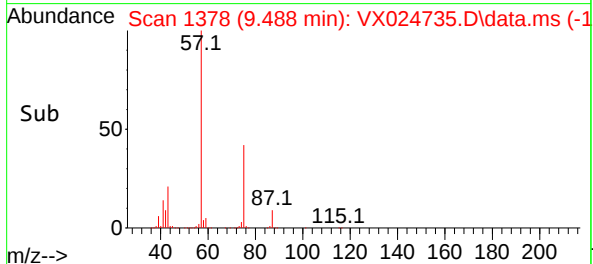
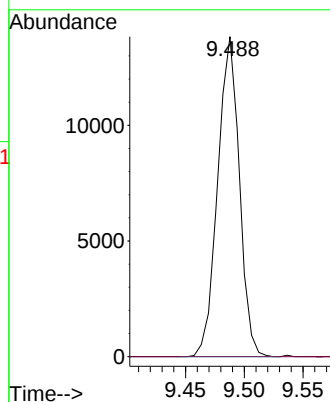
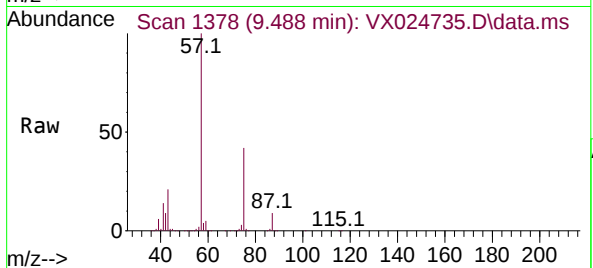




#57
1,3-Dichloropropane
Concen: 6.301 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

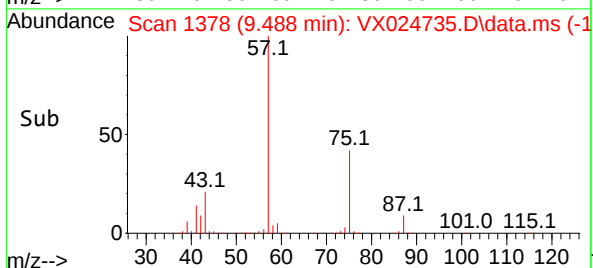
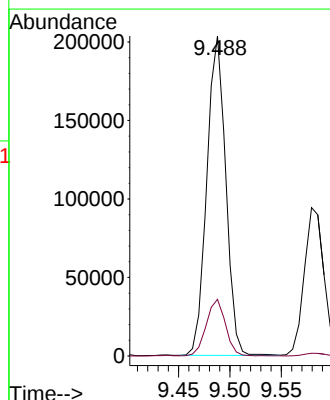
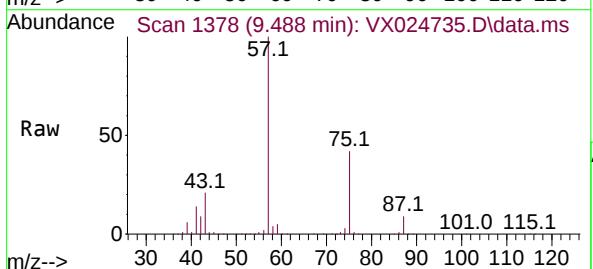
Instrument :
MSVOA_X
ClientSampled :

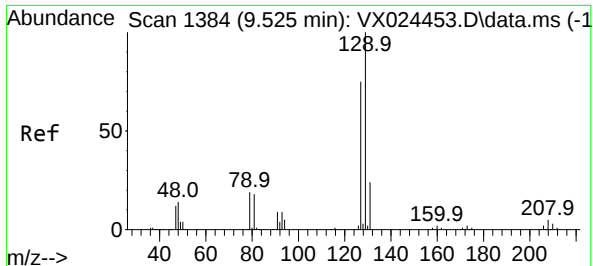
Tgt Ion: 76 Resp: 17736
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 121.110 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

Tgt Ion: 43 Resp: 261024
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#





#60

Dibromochloromethane

Concen: 1.285 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.251 min

Lab File: VX024735.D

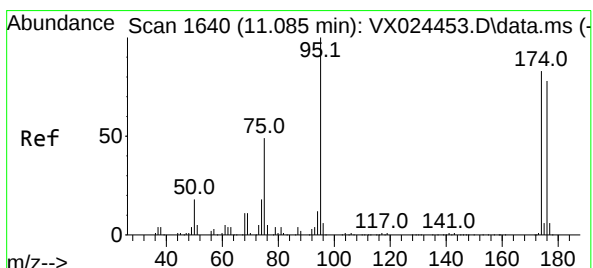
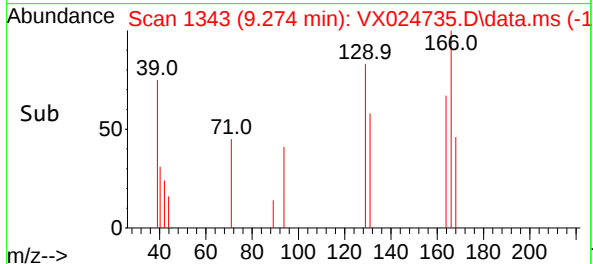
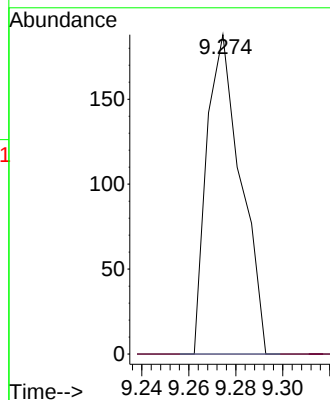
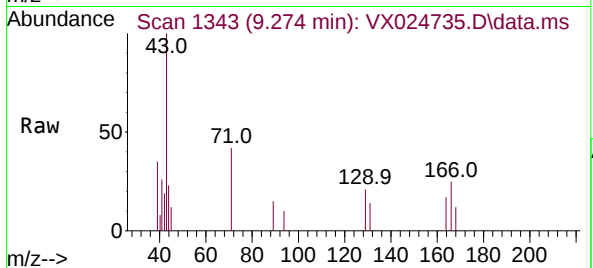
Acq: 12 Oct 2021 01:49

Tgt Ion: 129 Resp: 189

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 48.804 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024735.D

Acq: 12 Oct 2021 01:49

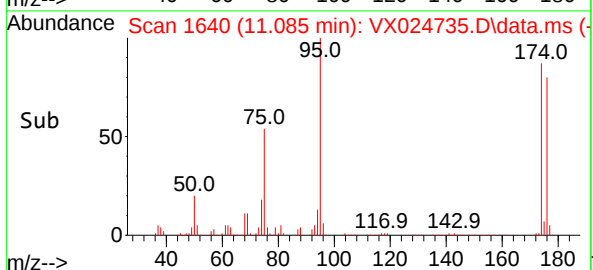
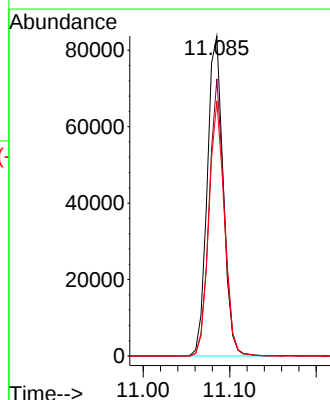
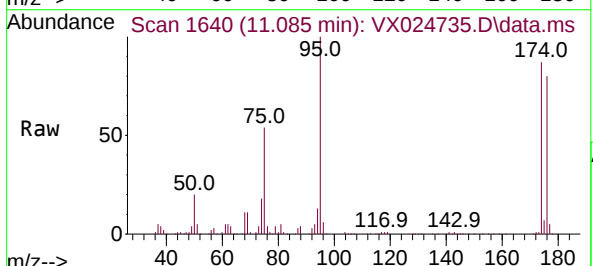
Tgt Ion: 95 Resp: 106892

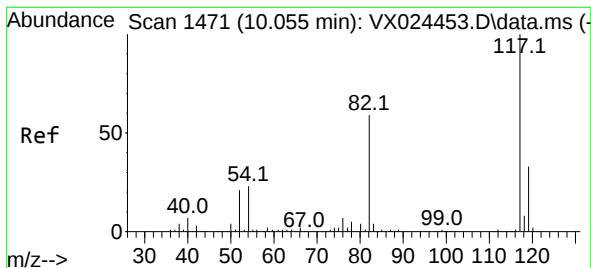
Ion Ratio Lower Upper

95 100

174 82.0 0.0 154.6

176 77.2 0.0 155.8

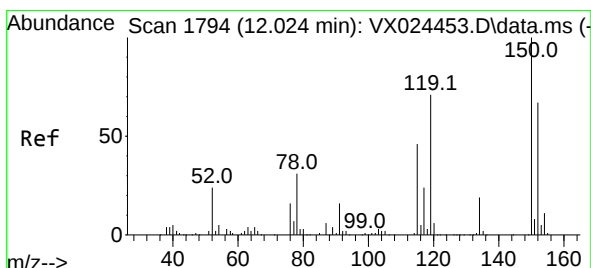
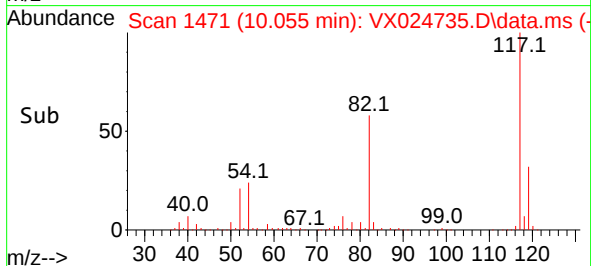
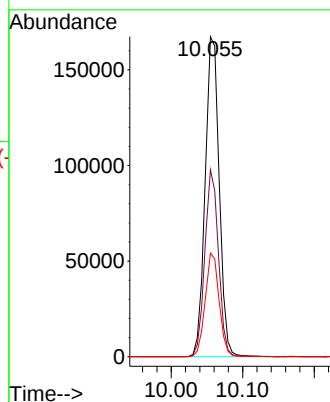
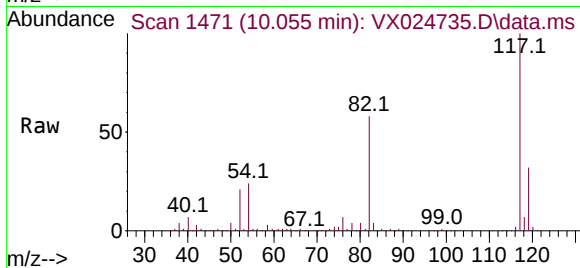




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

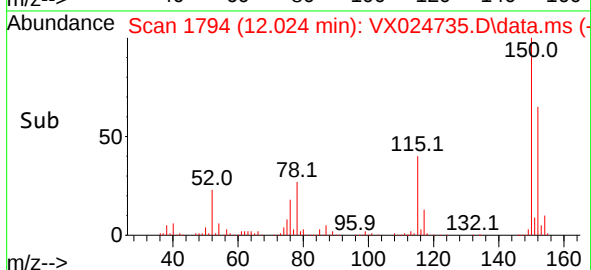
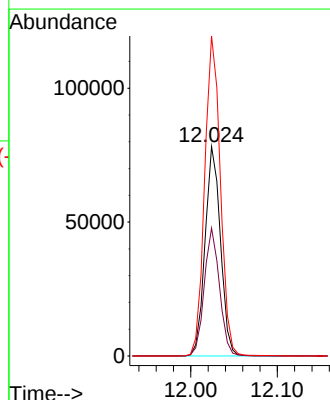
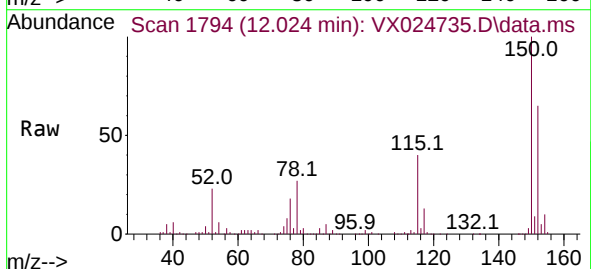
Instrument :
MSVOA_X
ClientSampled :

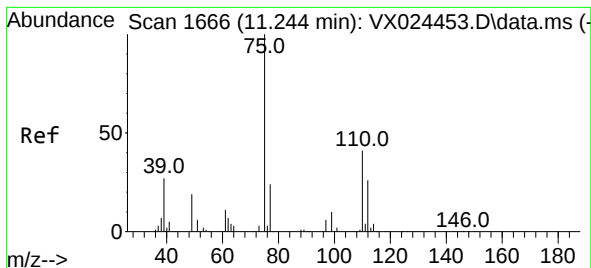
Tgt Ion:117 Resp: 229269
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 32.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

Tgt Ion:152 Resp: 96534
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 155.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 26.290 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX024735.D

Acq: 12 Oct 2021 01:49

Tgt Ion: 75 Resp: 57633

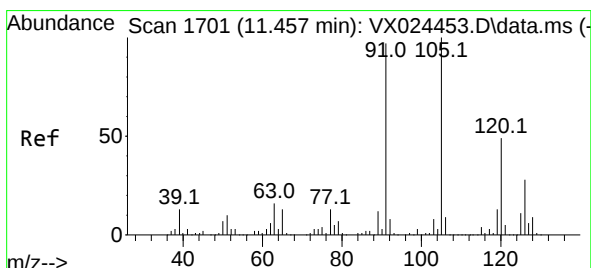
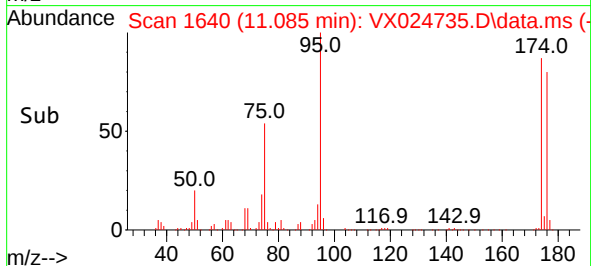
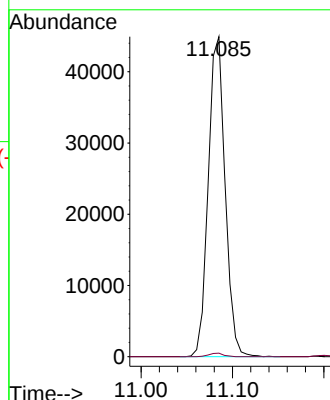
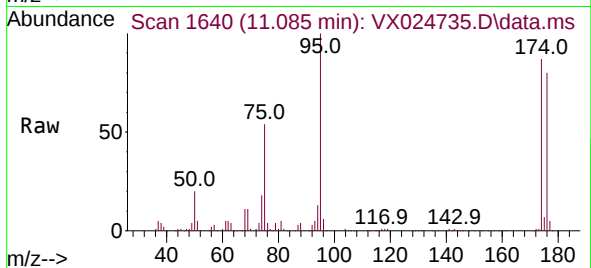
Ion Ratio Lower Upper

75 100
77 1.0 19.1 57.5#

Instrument :

MSVOA_X

ClientSampled :



#80

1,3,5-Trimethylbenzene

Concen: 0.305 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.000 min

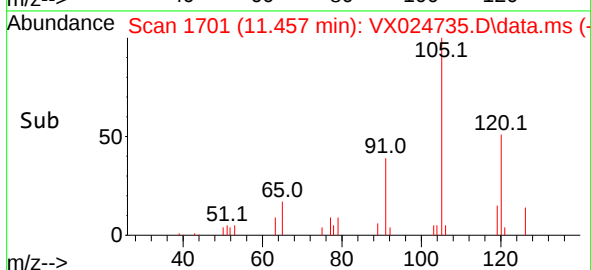
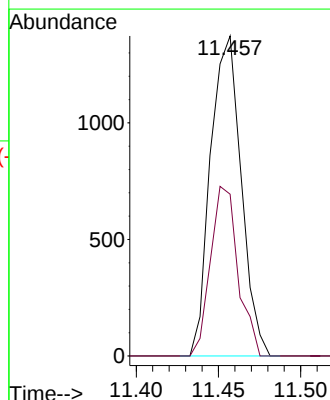
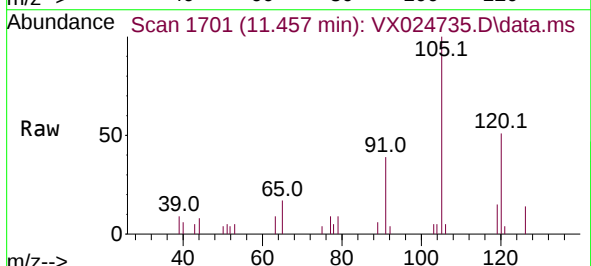
Lab File: VX024735.D

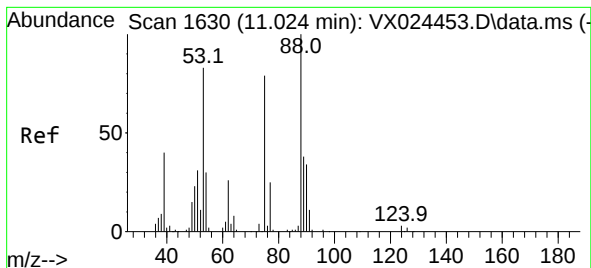
Acq: 12 Oct 2021 01:49

Tgt Ion:105 Resp: 1781

Ion Ratio Lower Upper

105 100
120 47.5 23.8 71.5

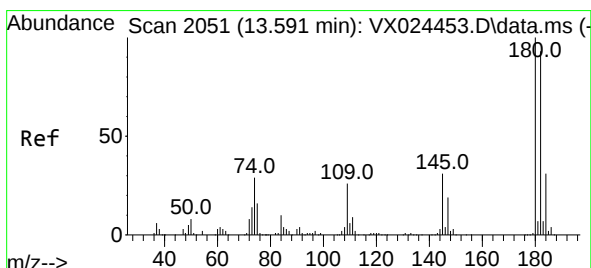
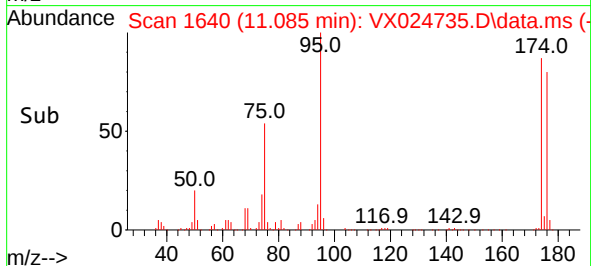
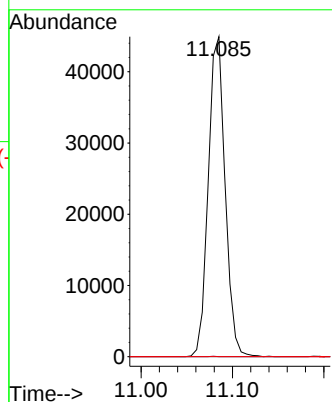
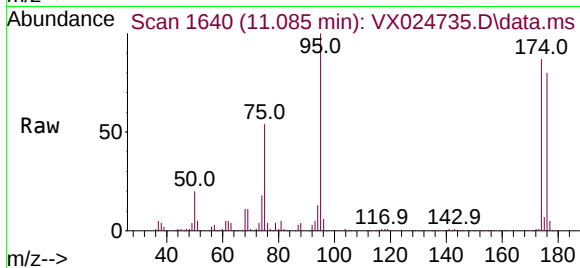




#81
trans-1,4-Dichloro-2-butene
Concen: 71.591 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

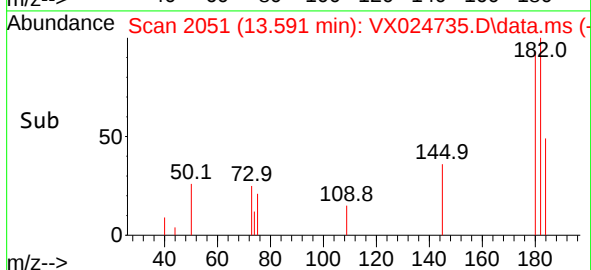
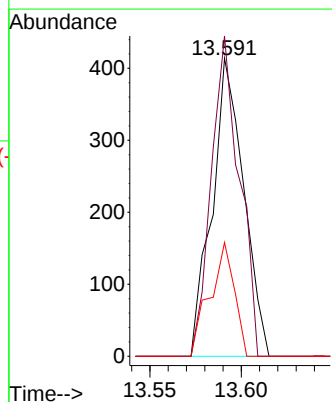
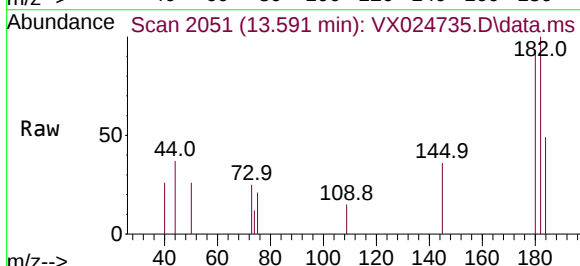
Instrument :
MSVOA_X
ClientSampled :

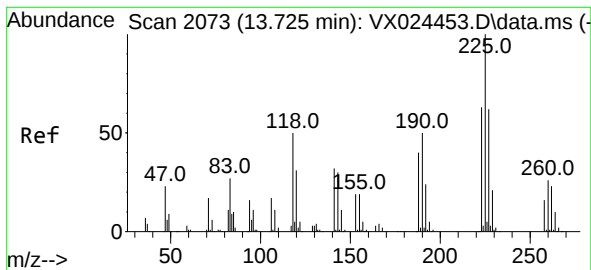
Tgt Ion: 75 Resp: 57633
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.236 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX024735.D
Acq: 12 Oct 2021 01:49

Tgt Ion:180 Resp: 497
Ion Ratio Lower Upper
180 100
182 95.6 47.7 143.1
145 29.8 15.0 45.0





#94
 Hexachlorobutadiene
 Concen: 0.215 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. -0.000 min
 Lab File: VX024735.D
 Acq: 12 Oct 2021 01:49

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:	225	Resp:	207
Ion	Ratio	Lower	Upper
225	100		
223	70.0	31.1	93.2
227	65.2	31.6	95.0

