

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024747.D
 Acq On : 12 Oct 2021 06:31
 Operator : JC/MD
 Sample : M4158-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:12:03 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)

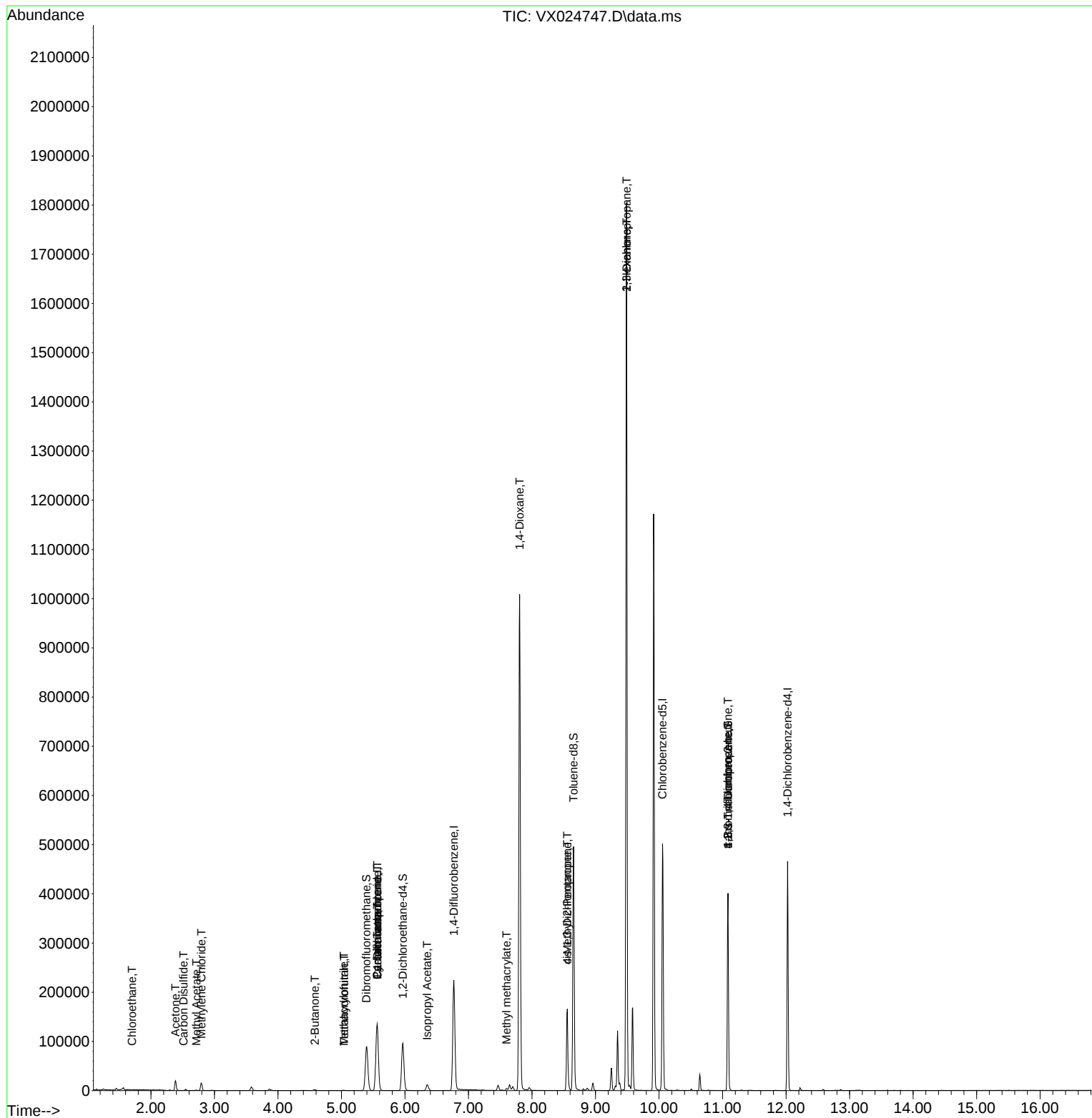
Internal Standards						
1) Pentafluorobenzene	5.562	168	126603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	222264	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97556	54.674	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.340%	
35) Dibromofluoromethane	5.391	113	75074	50.844	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.680%	
50) Toluene-d8	8.653	98	281493	51.797	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.600%	
62) 4-Bromofluorobenzene	11.085	95	101489	47.497	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.000%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.703	64	120	0.401	ug/l #	43
11) Tert butyl alcohol	2.971	59	727	Below Cal	#	73
16) Acetone	2.386	43	21815	19.632	ug/l #	86
17) Carbon Disulfide	2.514	76	127	0.270	ug/l #	75
18) Methyl Acetate	2.715	43	1665	0.623	ug/l #	82
20) Methylene Chloride	2.794	84	6839	4.072	ug/l #	83
25) 2-Butanone	4.580	43	3359	2.734	ug/l	94
29) Tetrahydrofuran	5.044	42	572	0.731	ug/l #	39
31) Cyclohexane	5.562	56	2701	1.264	ug/l #	35
36) 1,1-Dichloropropene	5.562	75	9738	4.570	ug/l #	49
38) Carbon Tetrachloride	5.562	117	13282	5.726	ug/l #	15
41) Methacrylonitrile	5.038	41	334	0.243	ug/l #	36
43) Isopropyl Acetate	6.348	43	16199	4.005	ug/l	93
48) Methyl methacrylate	7.598	41	5527	2.760	ug/l #	10
49) 1,4-Dioxane	7.805	88	47	1.025	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	58448	21.891	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	24962	10.026	ug/l #	69
57) 1,3-Dichloropropane	9.488	76	14655	5.337	ug/l #	42
59) 2-Hexanone	9.488	43	210722	100.217	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	54724	26.570	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54724	72.335	ug/l #	12

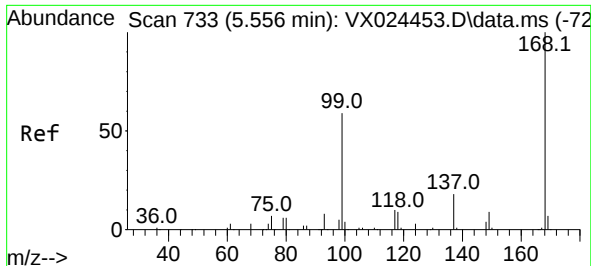
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
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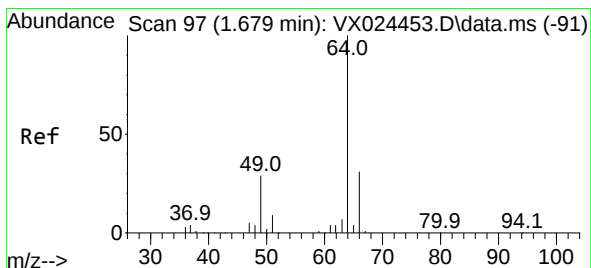
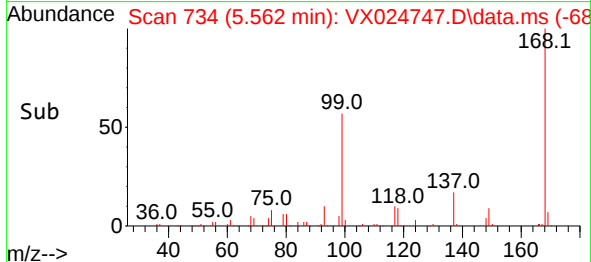
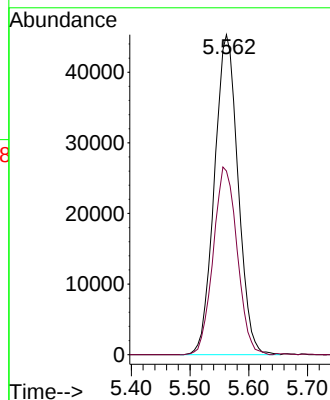
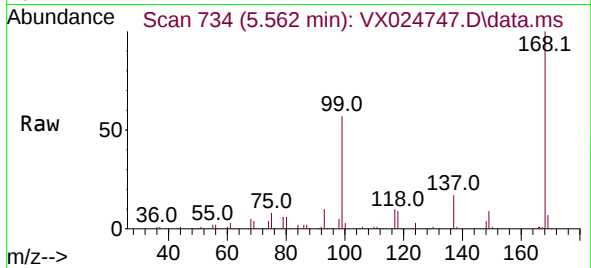




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

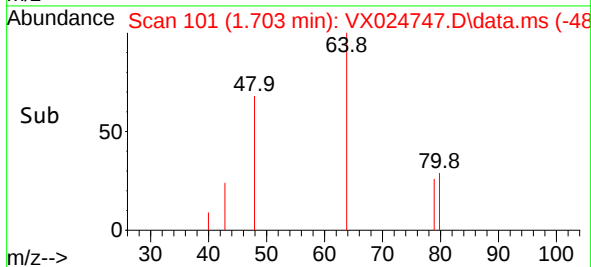
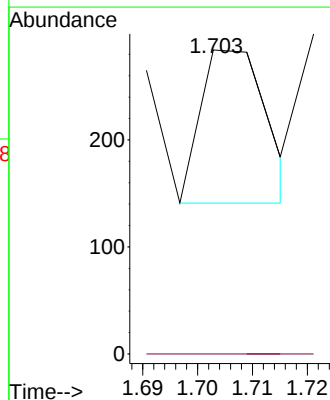
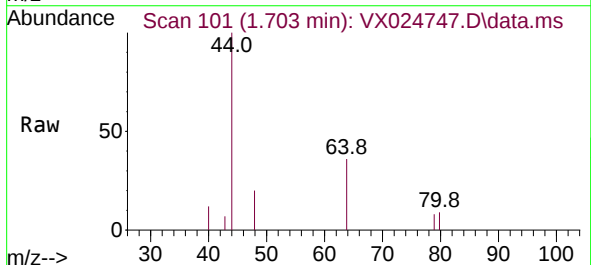
Instrument :
MSVOA_X
ClientSampled :

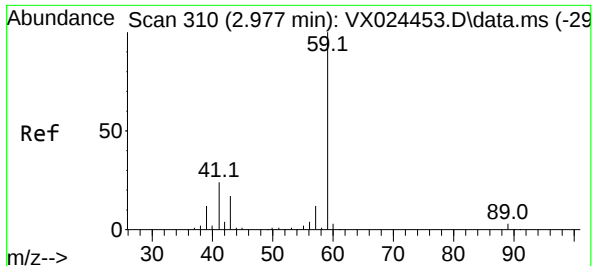
Tgt Ion:168 Resp: 126603
Ion Ratio Lower Upper
168 100
99 57.4 45.8 68.6



#6
Chloroethane
Concen: 0.401 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

Tgt Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

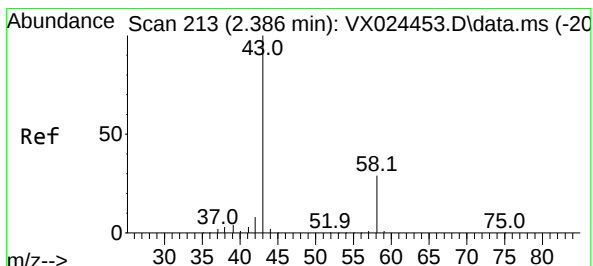
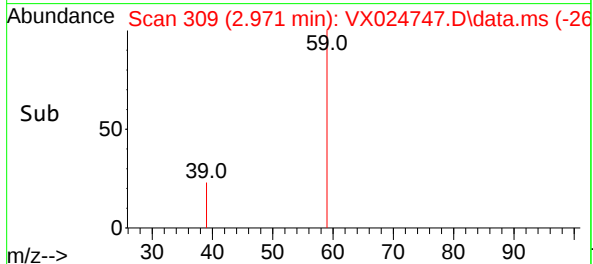
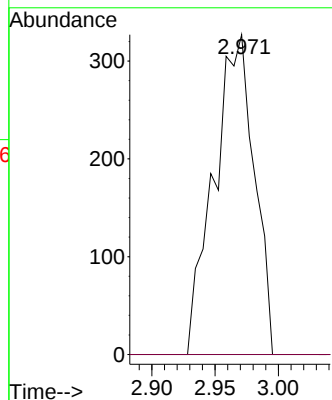
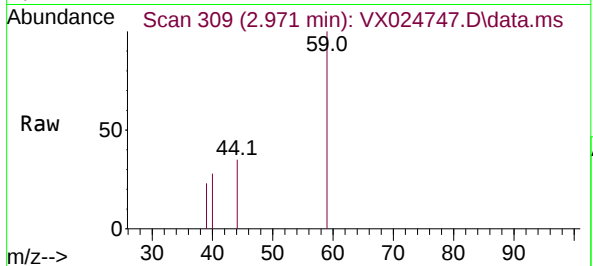




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

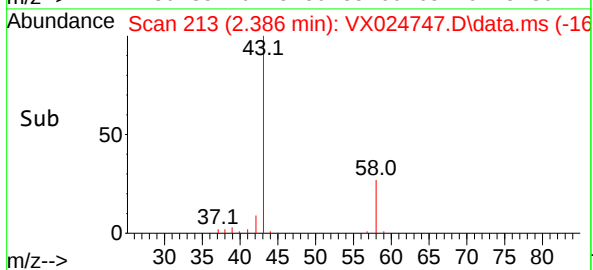
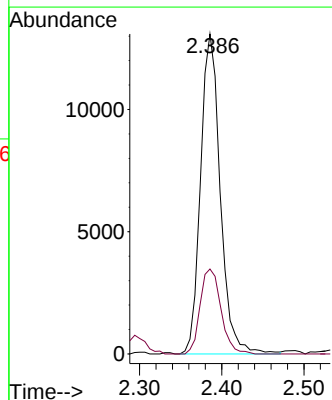
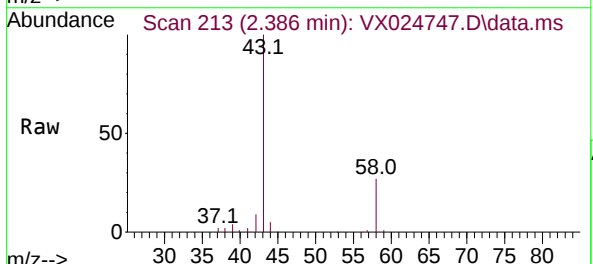
Instrument :
MSVOA_X
ClientSampled :

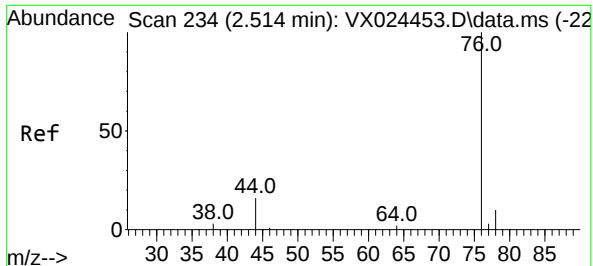
Tgt Ion: 59 Resp: 727
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 19.632 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

Tgt Ion: 43 Resp: 21815
Ion Ratio Lower Upper
43 100
58 26.5 27.8 41.8#

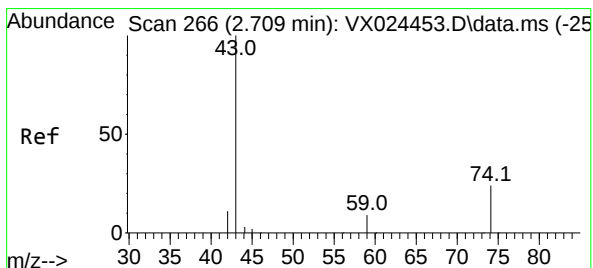
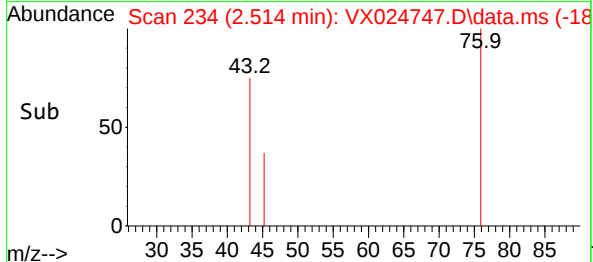
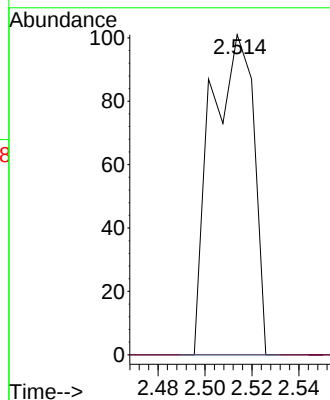
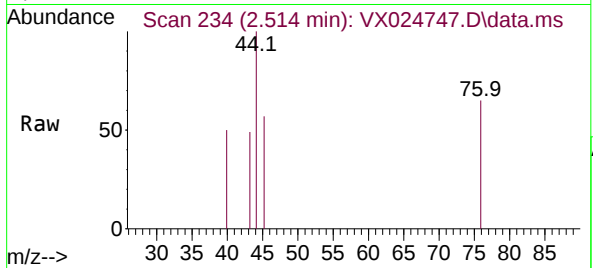




#17
Carbon Disulfide
Concen: 0.270 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

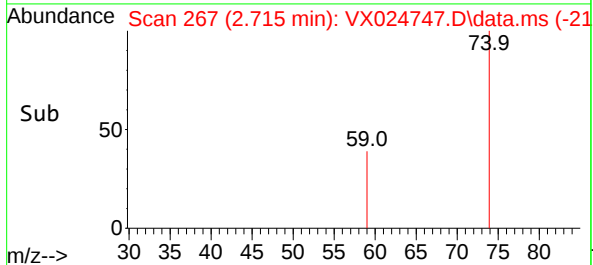
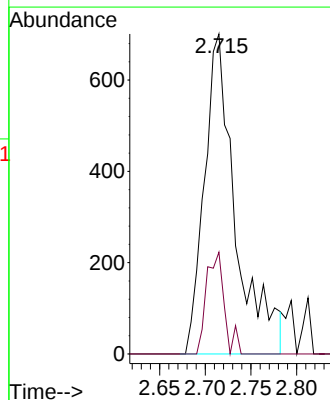
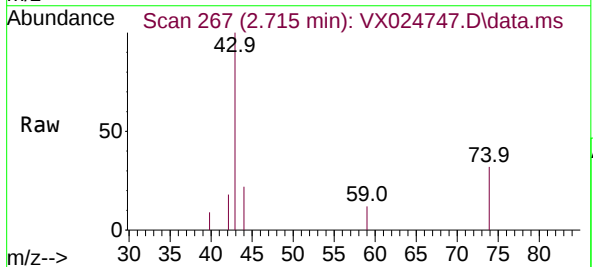
Instrument :
MSVOA_X
ClientSampled :

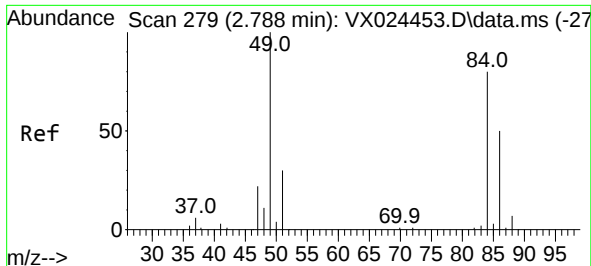
Tgt Ion: 76 Resp: 127
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.623 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

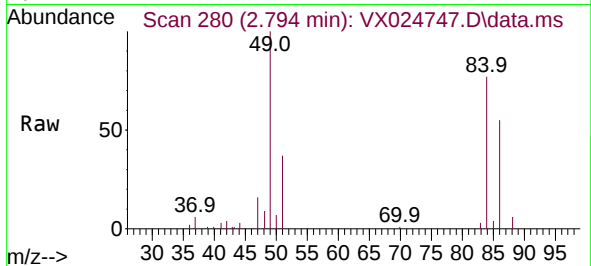
Tgt Ion: 43 Resp: 1665
Ion Ratio Lower Upper
43 100
74 18.0 21.9 32.9#



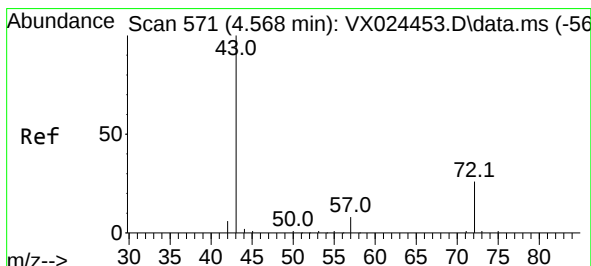
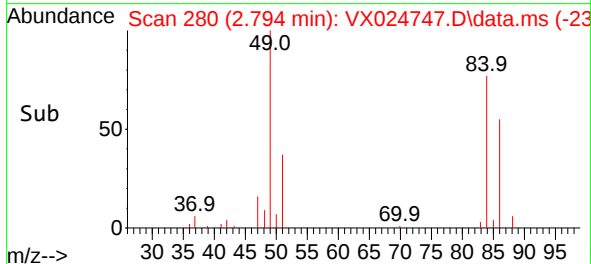
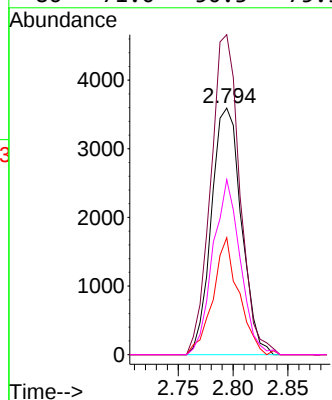


#20
Methylene Chloride
Concen: 4.072 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

Instrument :
MSVOA_X
ClientSampled :

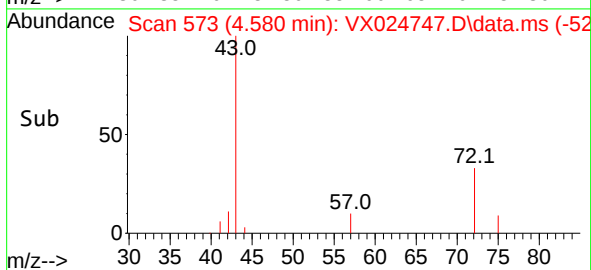
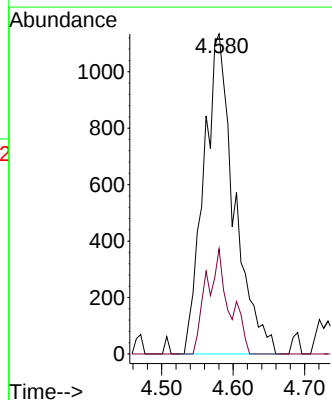
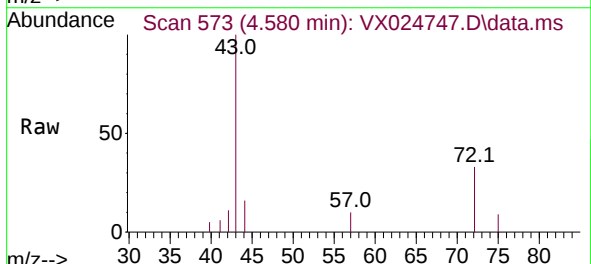


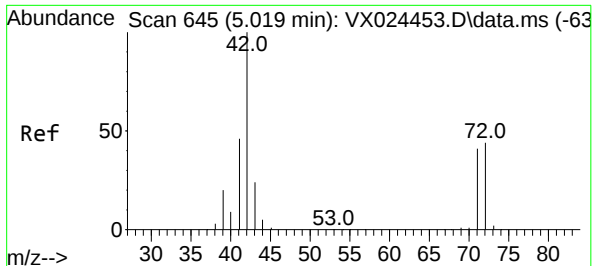
Tgt Ion:	84	Resp:	6839
Ion	Ratio	Lower	Upper
84	100		
49	129.8	88.6	132.8
51	47.4	27.0	40.6#
86	71.0	50.3	75.5



#25
2-Butanone
Concen: 2.734 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

Tgt Ion:	43	Resp:	3359
Ion	Ratio	Lower	Upper
43	100		
72	32.9	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.731 ug/l

RT: 5.044 min Scan# 649

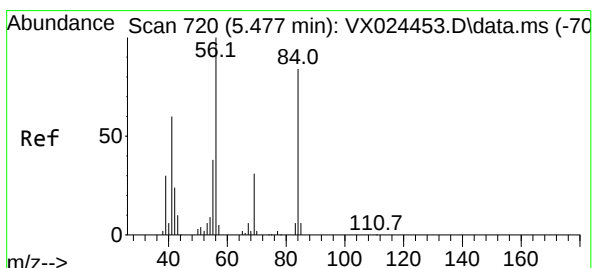
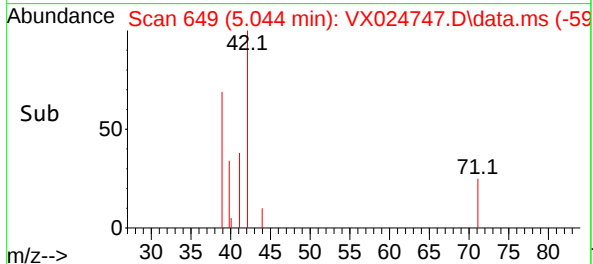
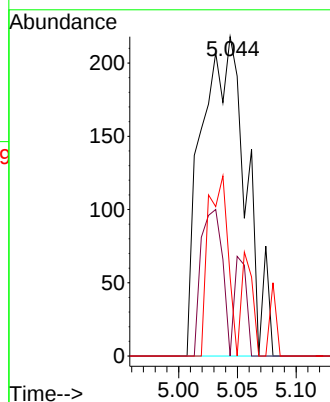
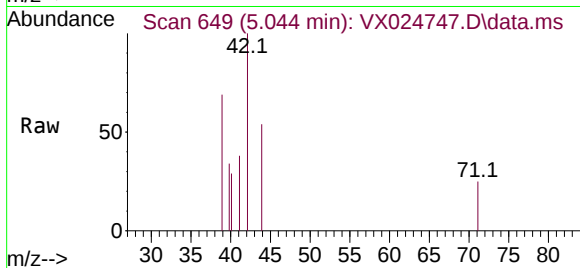
Delta R.T. 0.025 min

Lab File: VX024747.D

Acq: 12 Oct 2021 06:31

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 42	Resp: 572
Ion Ratio	Lower Upper
42	100
72	8.4 41.7 62.5#
71	8.0 38.4 57.6#



#31

Cyclohexane

Concen: 1.264 ug/l

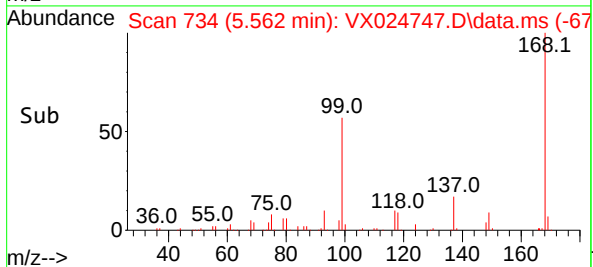
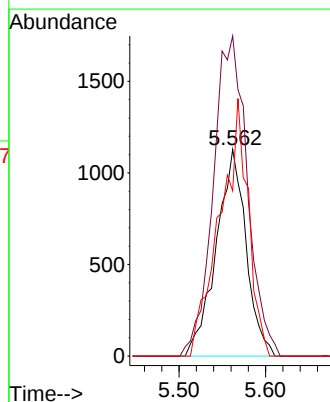
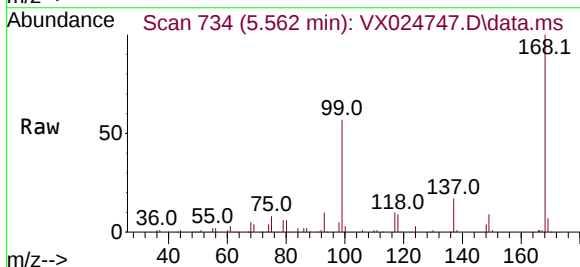
RT: 5.562 min Scan# 734

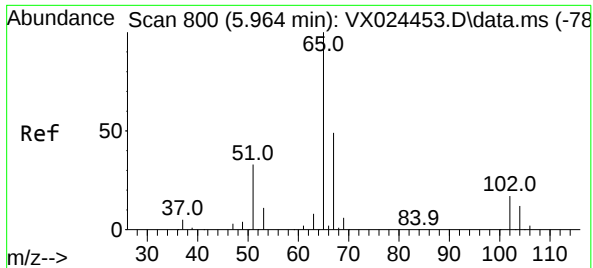
Delta R.T. 0.085 min

Lab File: VX024747.D

Acq: 12 Oct 2021 06:31

Tgt Ion: 56	Resp: 2701
Ion Ratio	Lower Upper
56	100
69	155.0 25.3 37.9#
84	80.0 71.4 107.0

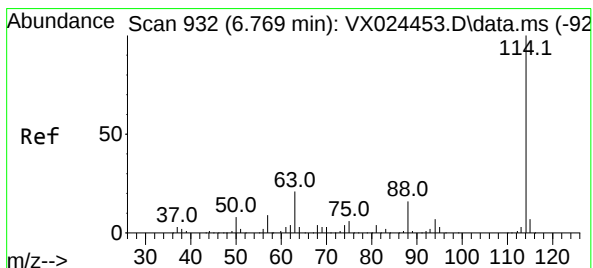
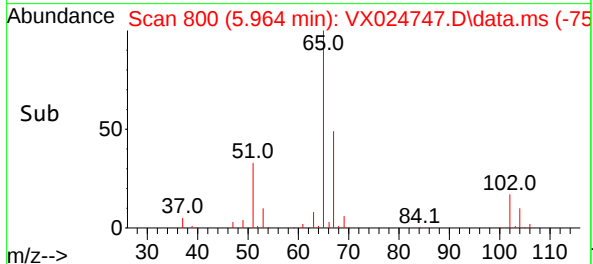
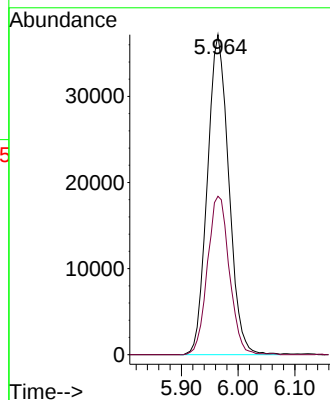
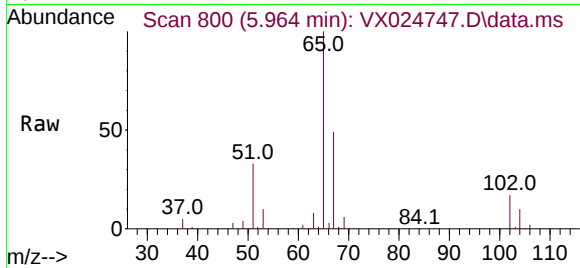




#33
 1,2-Dichloroethane-d4
 Concen: 54.674 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX024747.D
 Acq: 12 Oct 2021 06:31

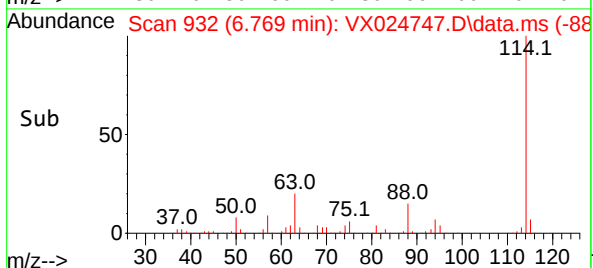
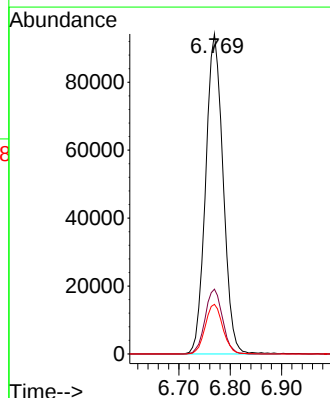
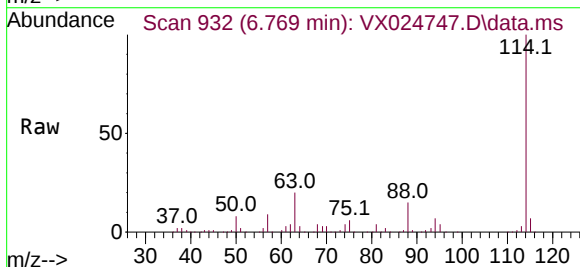
Instrument :
 MSVOA_X
 ClientSampleId :

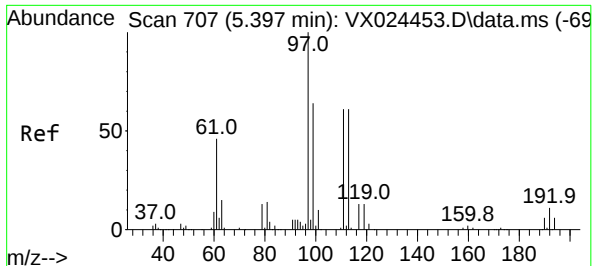
Tgt Ion: 65 Resp: 97556
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX024747.D
 Acq: 12 Oct 2021 06:31

Tgt Ion: 114 Resp: 222264
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 15.5 0.0 32.8

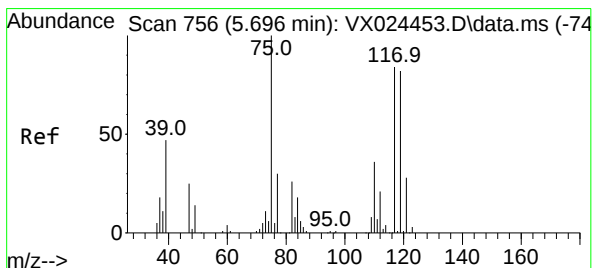
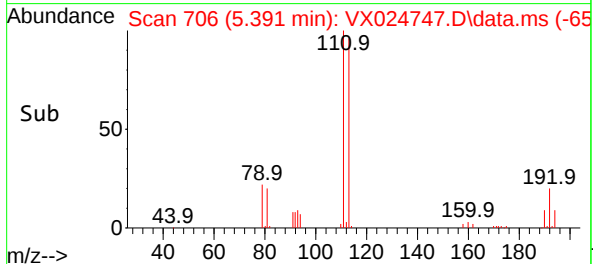
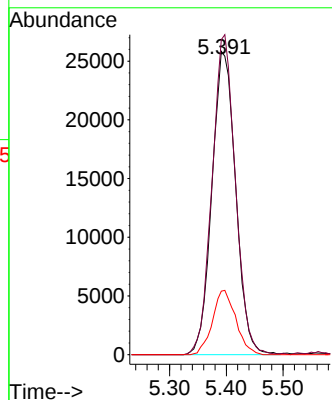
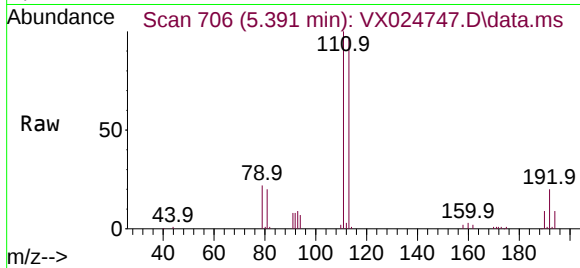




#35
Dibromofluoromethane
Concen: 50.844 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

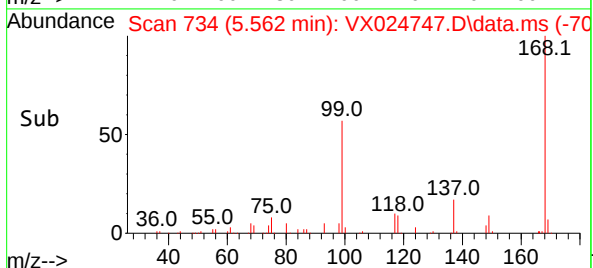
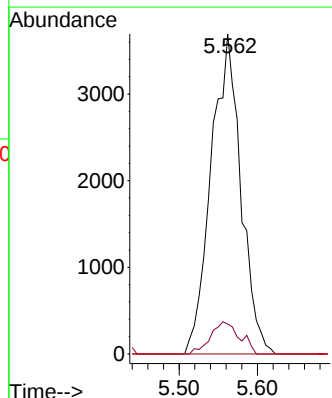
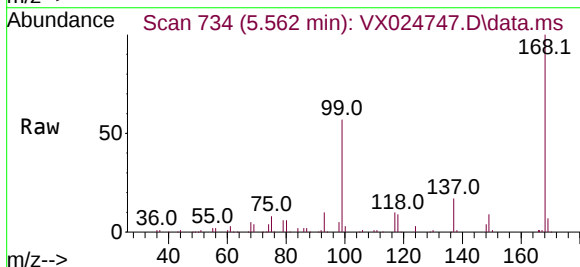
Instrument :
MSVOA_X
ClientSampleId :

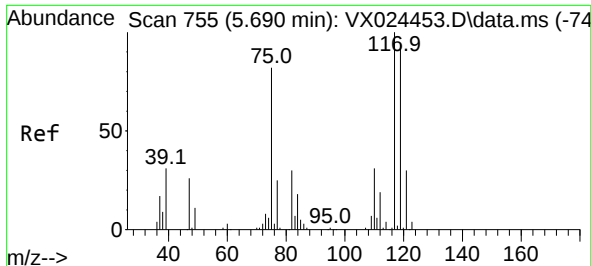
Tgt Ion:113 Resp: 75074
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 20.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.570 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

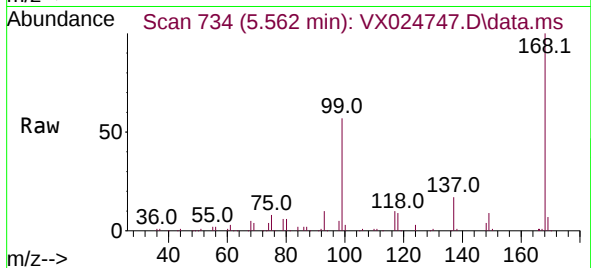
Tgt Ion: 75 Resp: 9738
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.0 25.3 37.9#



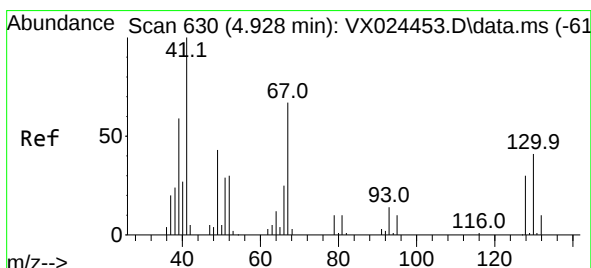
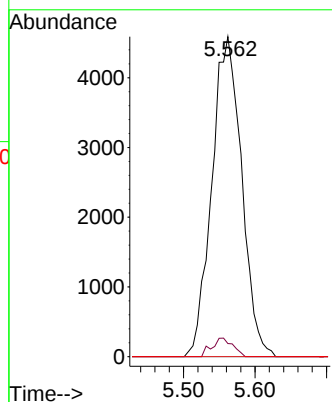
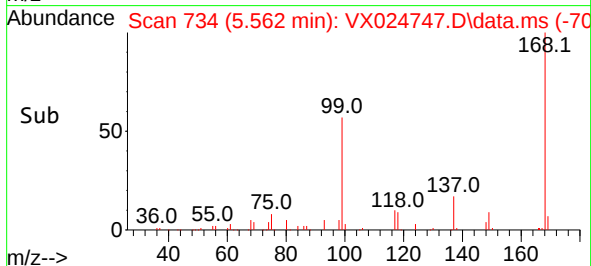


#38
Carbon Tetrachloride
Concen: 5.726 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

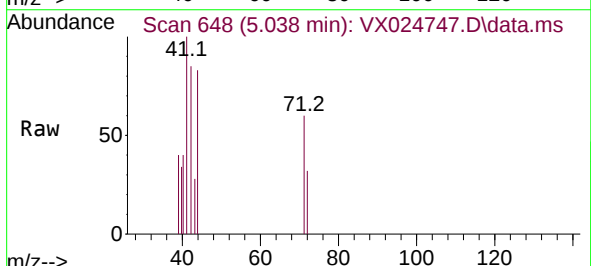
Instrument :
MSVOA_X
ClientSampleId :



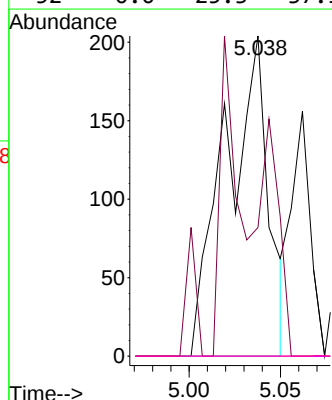
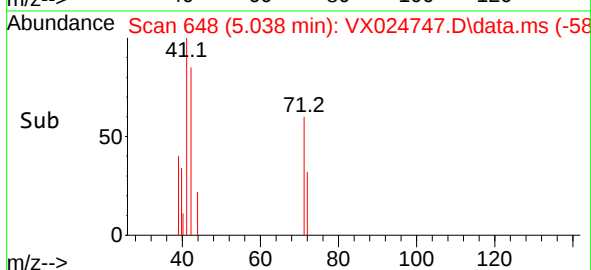
Tgt Ion:117 Resp: 13282
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#

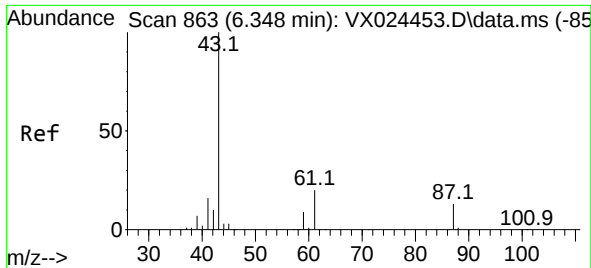


#41
Methacrylonitrile
Concen: 0.243 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31



Tgt Ion: 41 Resp: 334
Ion Ratio Lower Upper
41 100
39 35.3 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

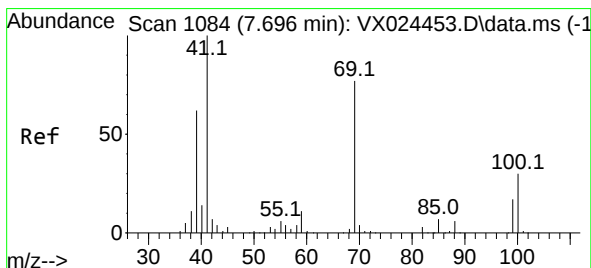
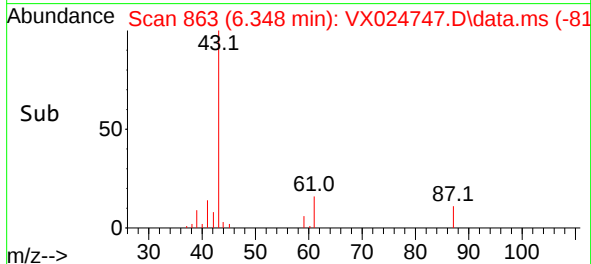
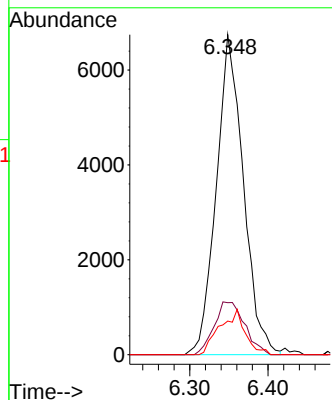
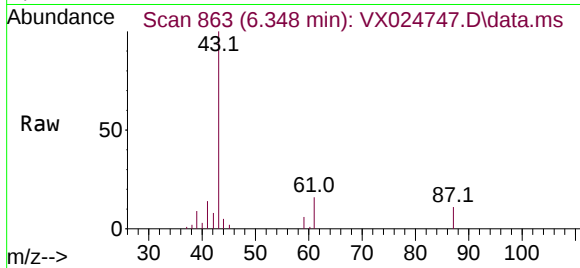




#43
Isopropyl Acetate
Concen: 4.005 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

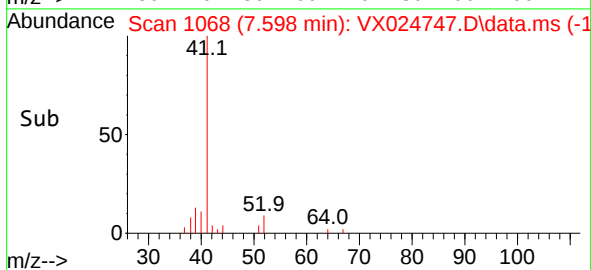
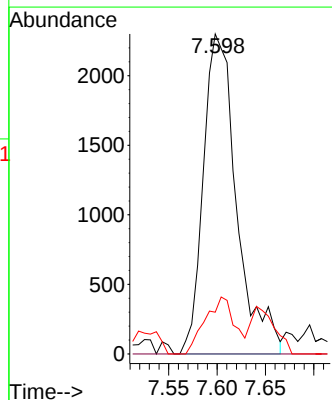
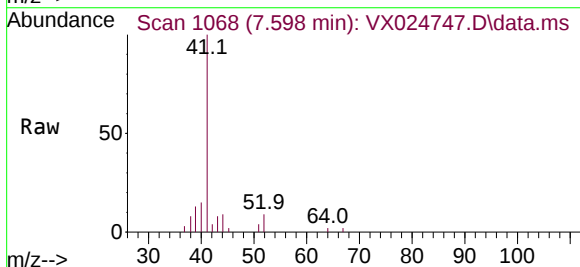
Instrument :
MSVOA_X
ClientSampleId :

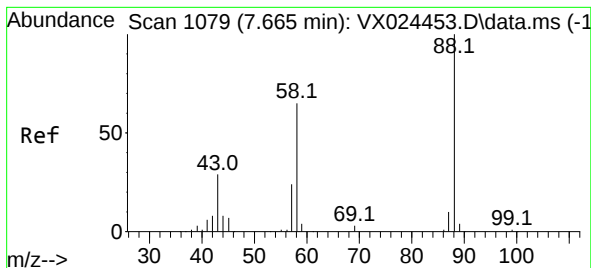
Tgt Ion: 43 Resp: 16199
Ion Ratio Lower Upper
43 100
61 18.7 18.2 27.4
87 13.2 12.5 18.7



#48
Methyl methacrylate
Concen: 2.760 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

Tgt Ion: 41 Resp: 5527
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: 1.025 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX024747.D

Acq: 12 Oct 2021 06:31

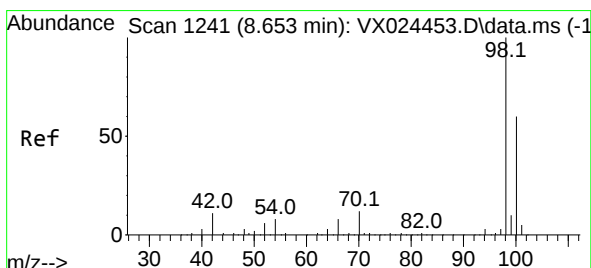
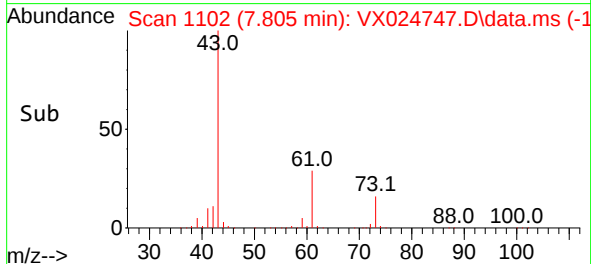
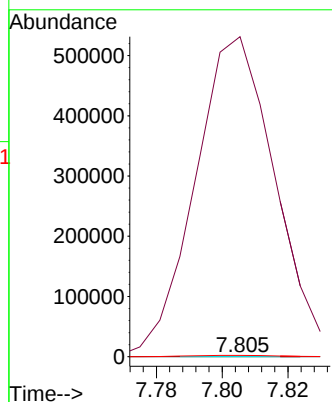
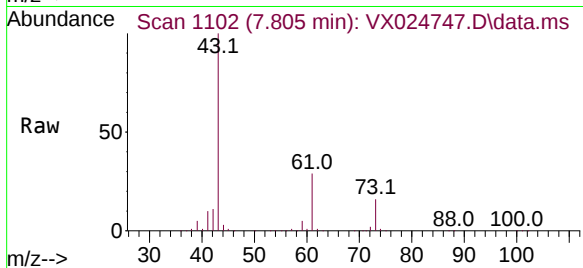
Tgt Ion: 88 Resp: 47

Ion Ratio Lower Upper

88 100

43 1934104.3 23.2 34.8#

58 8580.9 55.0 82.4#



#50

Toluene-d8

Concen: 51.797 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024747.D

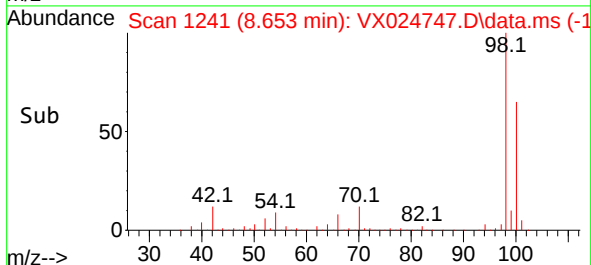
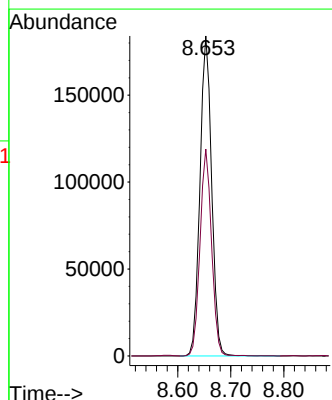
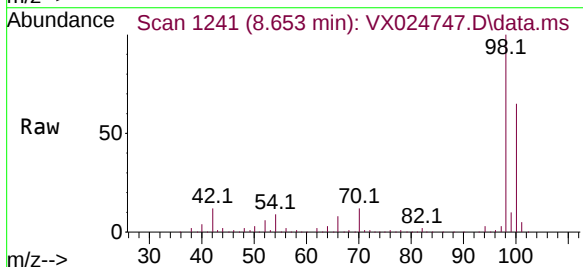
Acq: 12 Oct 2021 06:31

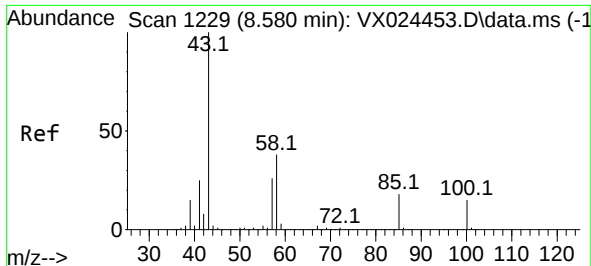
Tgt Ion: 98 Resp: 281493

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9

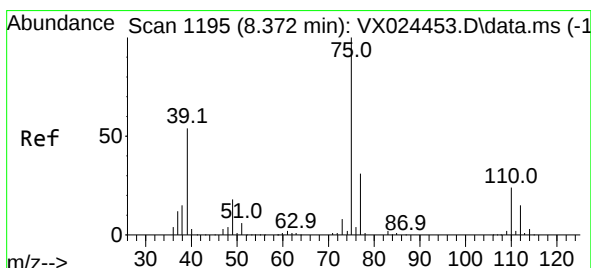
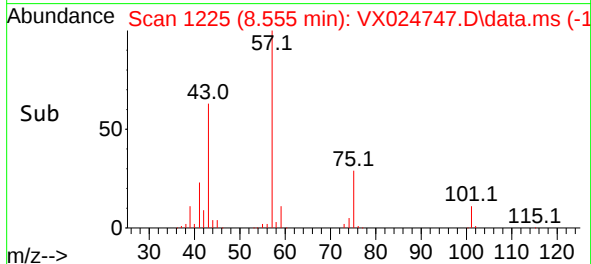
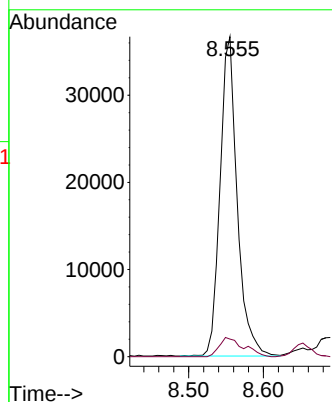
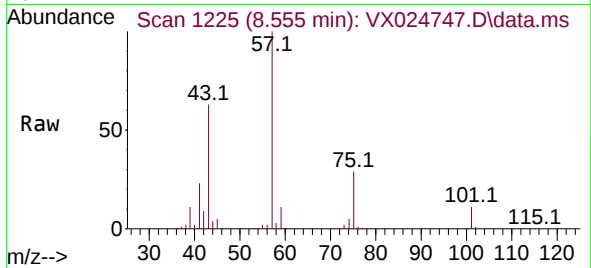




#51
4-Methyl-2-Pentanone
Concen: 21.891 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

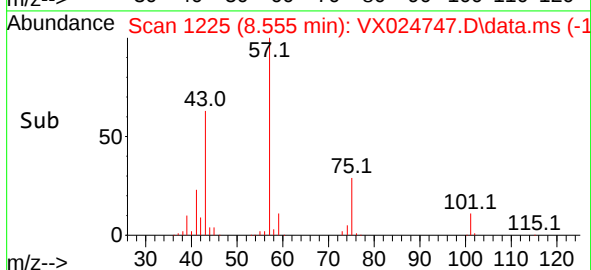
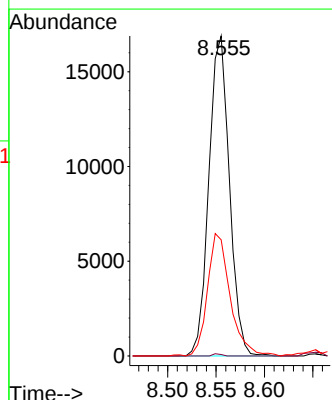
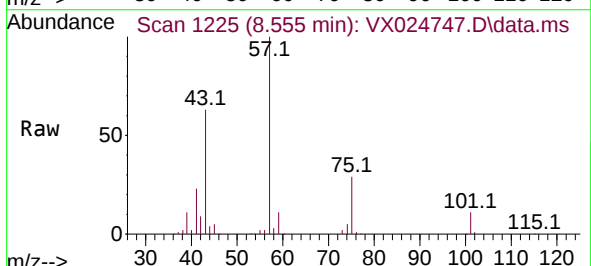
Instrument :
MSVOA_X
ClientSampleId :

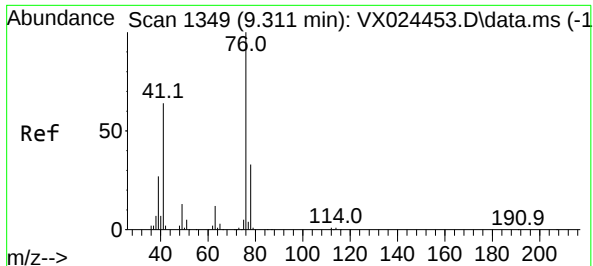
Tgt Ion: 43 Resp: 58448
Ion Ratio Lower Upper
43 100
58 8.5 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 10.026 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

Tgt Ion: 75 Resp: 24962
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 36.3 35.1 52.7



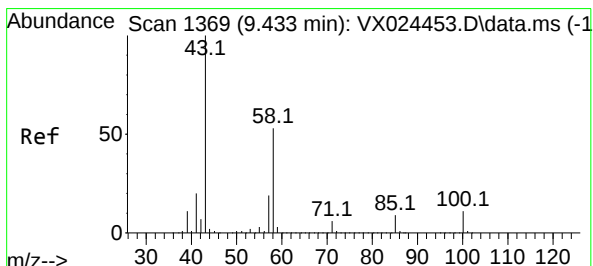
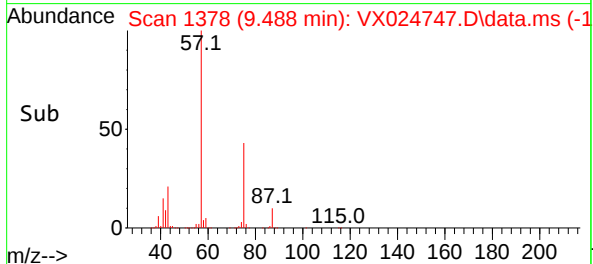
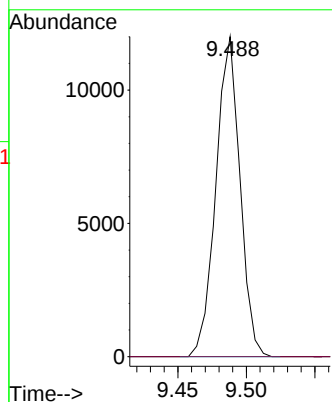
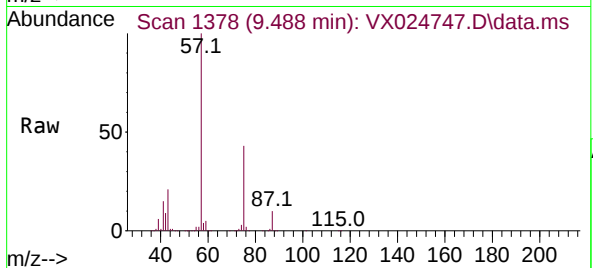


#57

1,3-Dichloropropane
Concen: 5.337 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

Instrument :
MSVOA_X
ClientSampled :

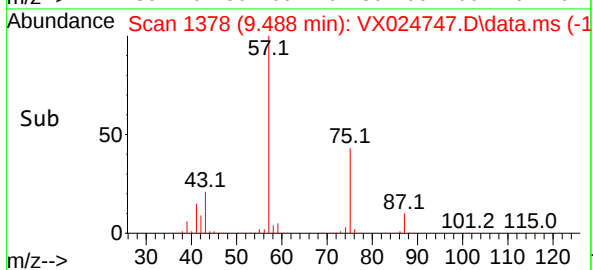
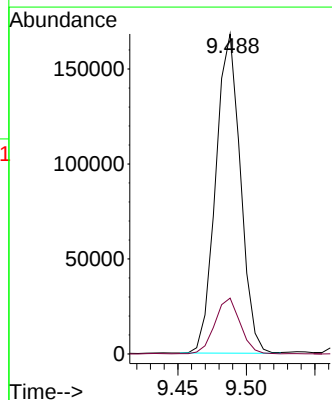
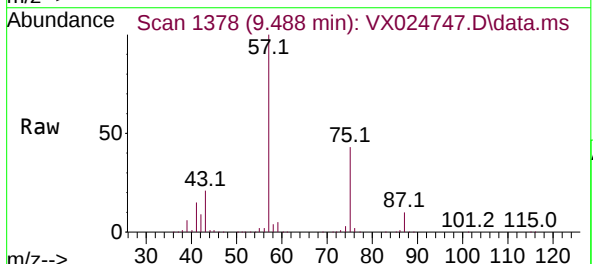
Tgt Ion: 76 Resp: 14655
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

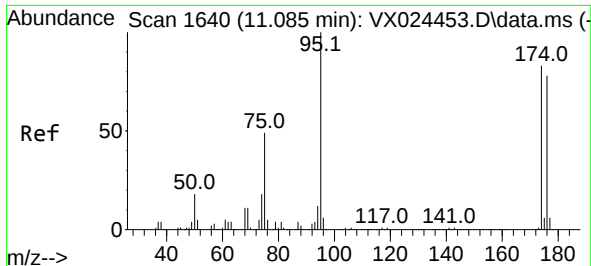


#59

2-Hexanone
Concen: 100.217 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

Tgt Ion: 43 Resp: 210722
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#

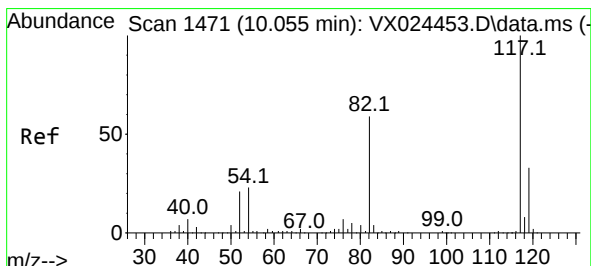
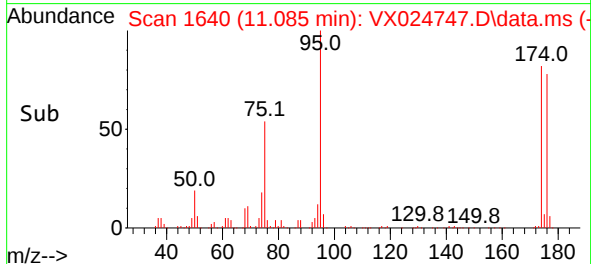
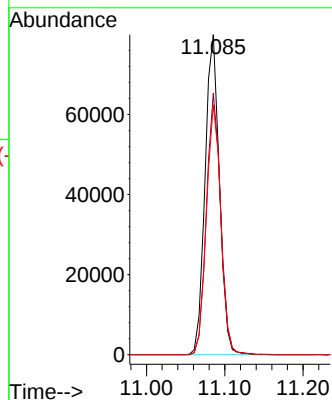
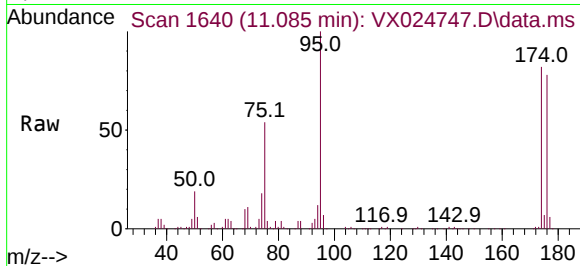




#62
4-Bromofluorobenzene
Concen: 47.497 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

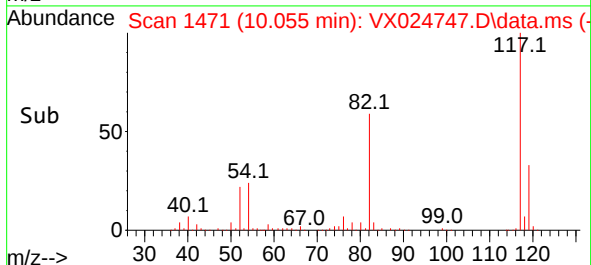
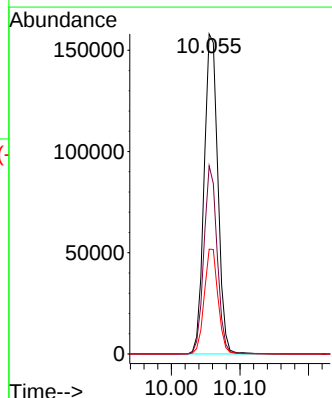
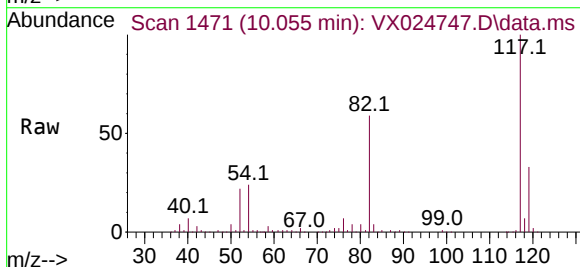
Instrument :
MSVOA_X
ClientSampleId :

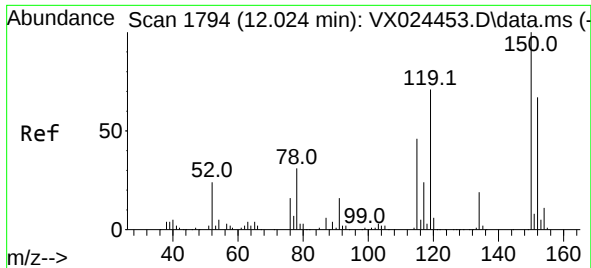
Tgt Ion: 95 Resp: 101489
Ion Ratio Lower Upper
95 100
174 81.1 0.0 154.6
176 78.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024747.D
Acq: 12 Oct 2021 06:31

Tgt Ion: 117 Resp: 220793
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 32.7 26.6 39.8

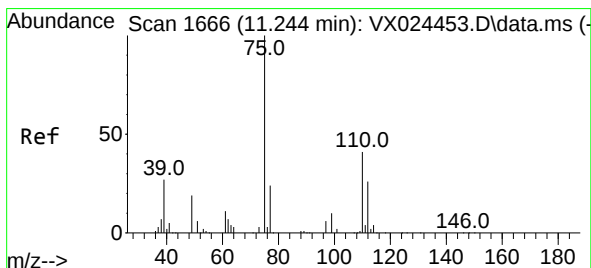
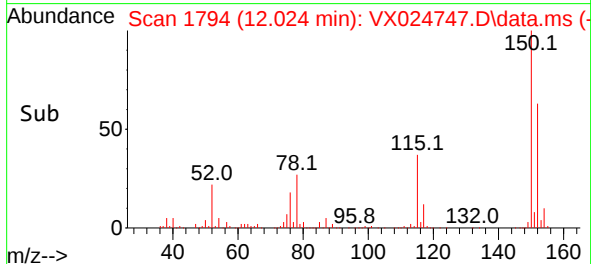
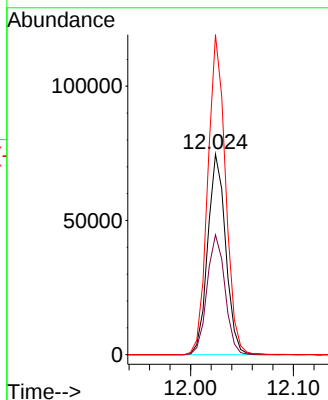
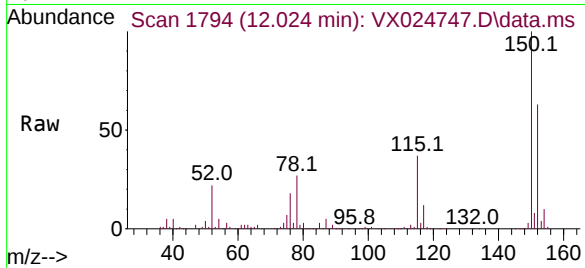




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024747.D
 Acq: 12 Oct 2021 06:31

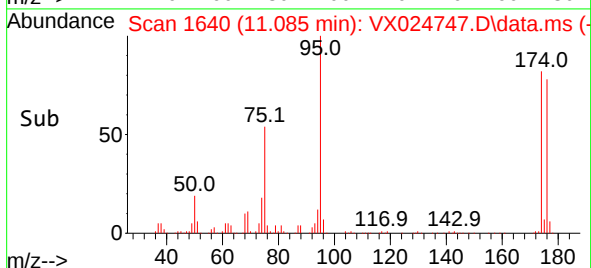
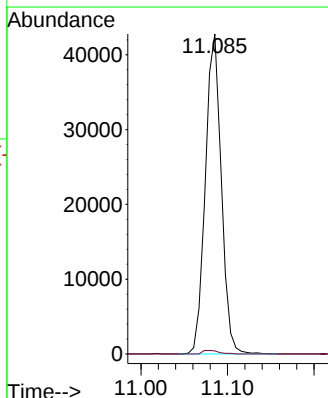
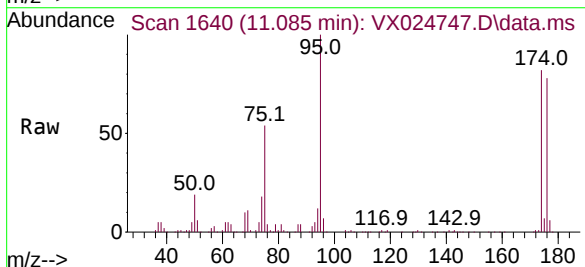
Instrument :
 MSVOA_X
 ClientSampled :

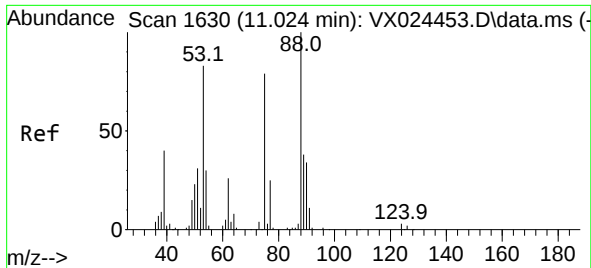
Tgt Ion:152 Resp: 90693
 Ion Ratio Lower Upper
 152 100
 115 59.7 41.1 123.3
 150 157.9 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.570 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024747.D
 Acq: 12 Oct 2021 06:31

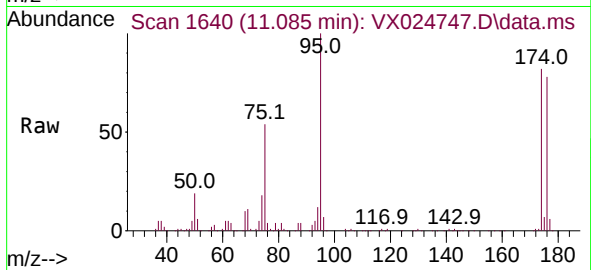
Tgt Ion: 75 Resp: 54724
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.335 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024747.D
 Acq: 12 Oct 2021 06:31

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 54724
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.1 37.9 56.9#

