

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024750.D
 Acq On : 12 Oct 2021 07:41
 Operator : JC/MD
 Sample : M4158-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:12:56 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)

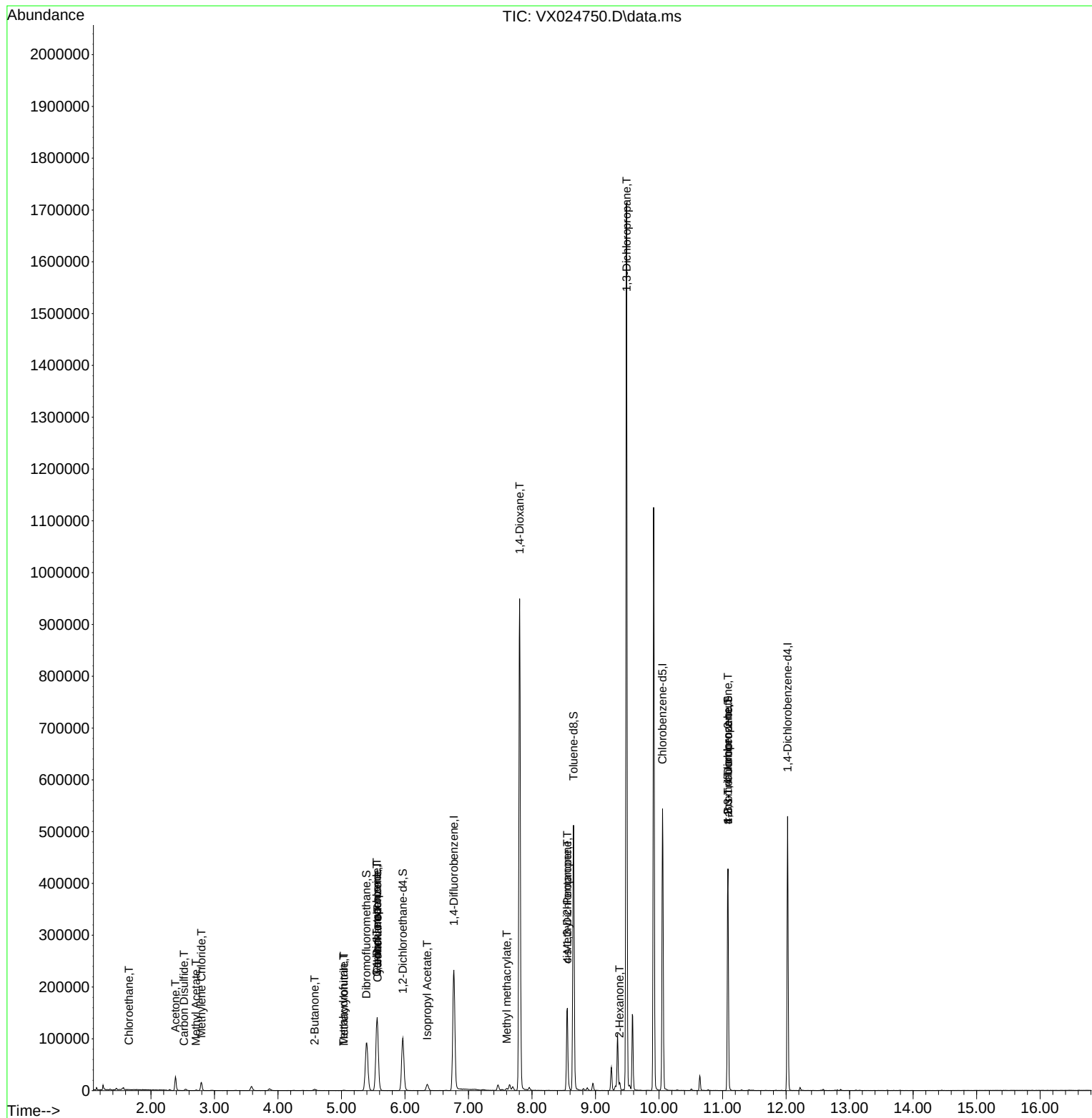
Internal Standards						
1) Pentafluorobenzene	5.562	168	128581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	227708	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102165	56.376	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.760%			
35) Dibromofluoromethane	5.391	113	79679	52.673	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.340%			
50) Toluene-d8	8.653	98	294326	52.864	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.720%			
62) 4-Bromofluorobenzene	11.085	95	109796	50.156	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.320%			
Target Compounds						Qvalue
6) Chloroethane	1.654	64	81	0.353	ug/l #	43
11) Tert butyl alcohol	2.971	59	603	Below Cal	#	73
16) Acetone	2.386	43	26540	25.608	ug/l #	86
17) Carbon Disulfide	2.520	76	141	0.274	ug/l #	75
18) Methyl Acetate	2.709	43	1684	0.621	ug/l #	83
20) Methylene Chloride	2.794	84	6757	3.929	ug/l	87
25) 2-Butanone	4.574	43	4640	3.718	ug/l	98
29) Tetrahydrofuran	5.032	42	605	0.761	ug/l #	63
31) Cyclohexane	5.568	56	2918	1.345	ug/l #	23
36) 1,1-Dichloropropene	5.556	75	10410	4.769	ug/l #	48
38) Carbon Tetrachloride	5.556	117	13326	5.608	ug/l #	15
41) Methacrylonitrile	5.038	41	347	0.247	ug/l #	39
43) Isopropyl Acetate	6.348	43	16033	3.870	ug/l	94
48) Methyl methacrylate	7.604	41	5377	2.621	ug/l #	10
49) 1,4-Dioxane	7.805	88	57	1.213	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	57829	21.141	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	24377	9.557	ug/l #	69
57) 1,3-Dichloropropane	9.488	76	13506	4.801	ug/l #	42
59) 2-Hexanone	9.378	43	6648	3.086	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	59605	25.318	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	59605	69.018	ug/l #	12

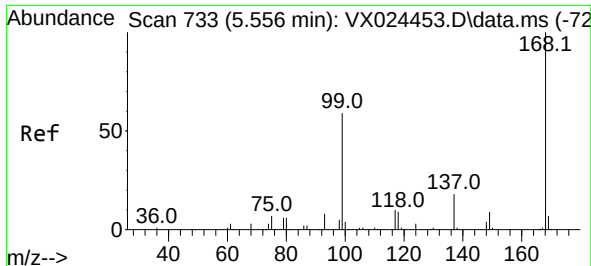
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Oct 12 08:12:56 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

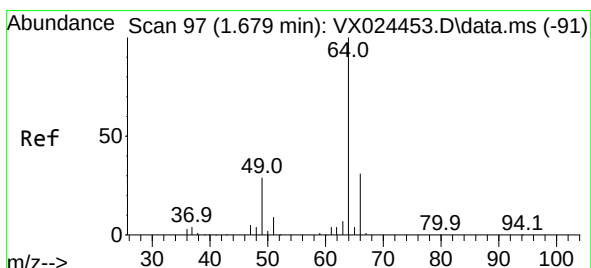
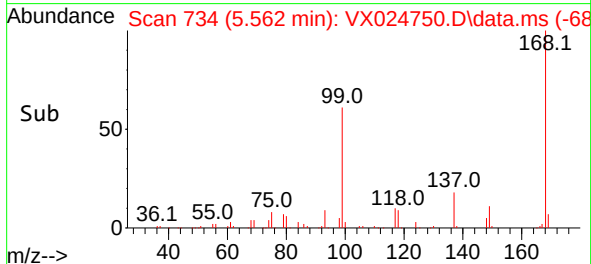
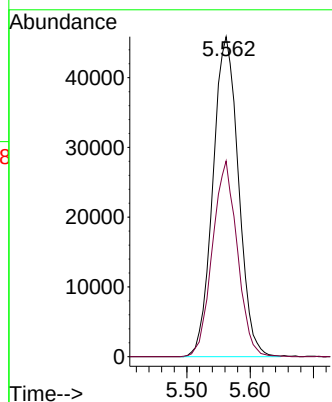
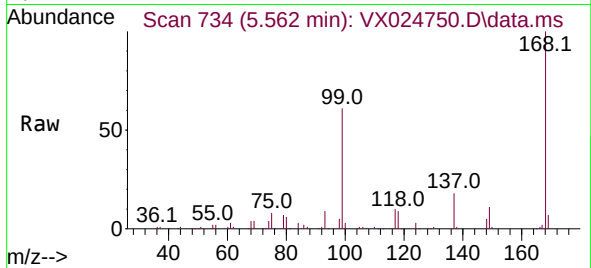




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

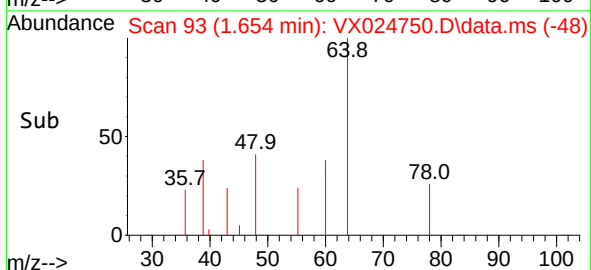
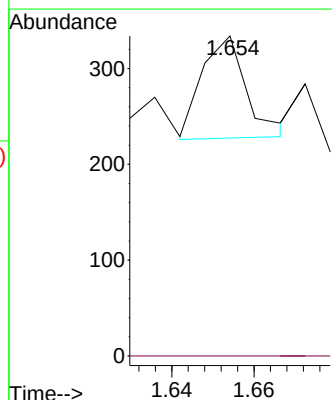
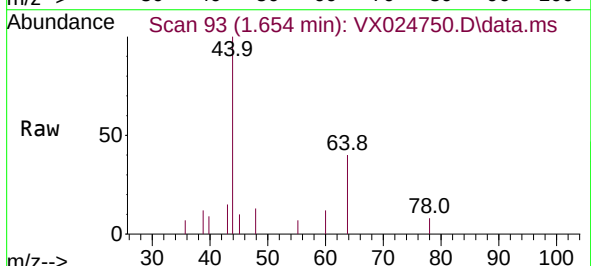
Instrument :
MSVOA_X
ClientSampled :

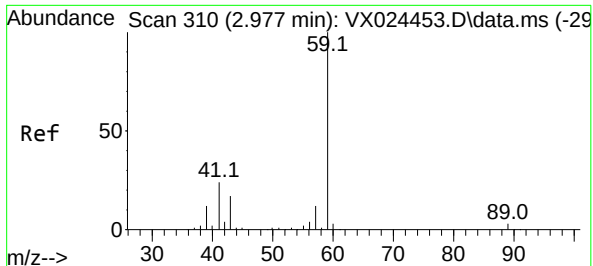
Tgt Ion:168 Resp: 128581
Ion Ratio Lower Upper
168 100
99 61.2 45.8 68.6



#6
Chloroethane
Concen: 0.353 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.025 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

Tgt Ion: 64 Resp: 81
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



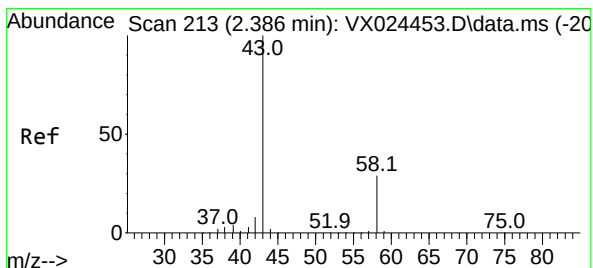
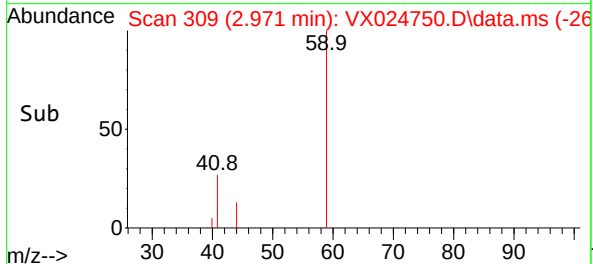
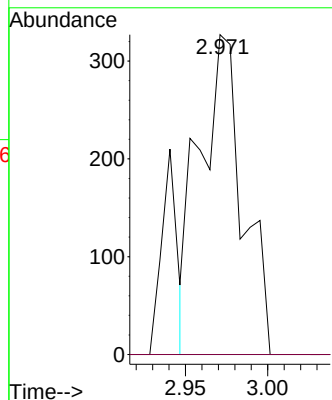
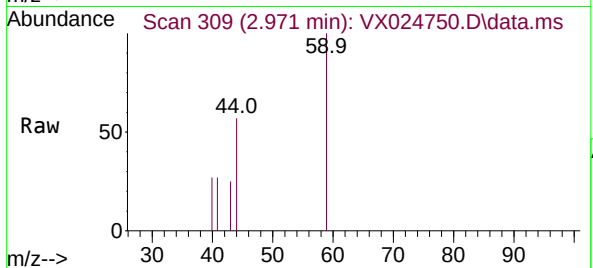


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

Instrument :
MSVOA_X
ClientSampled :

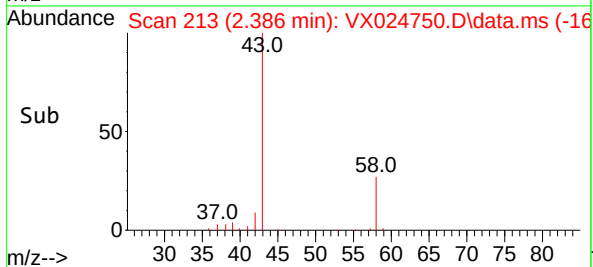
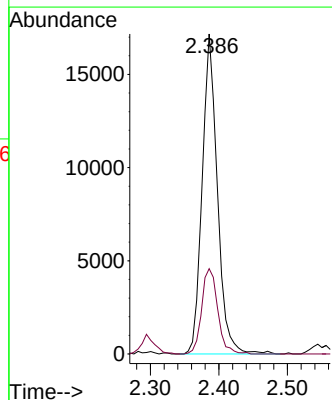
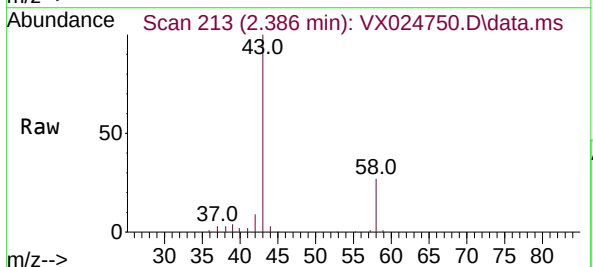
Tgt Ion: 59 Resp: 603
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

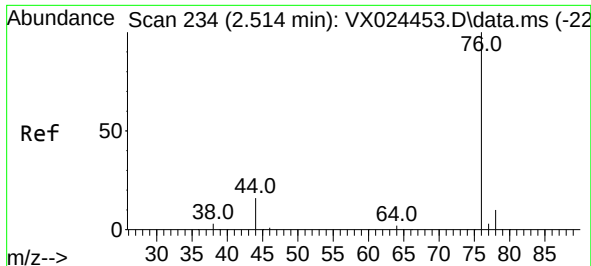


#16

Acetone
Concen: 25.608 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

Tgt Ion: 43 Resp: 26540
Ion Ratio Lower Upper
43 100
58 26.7 27.8 41.8#

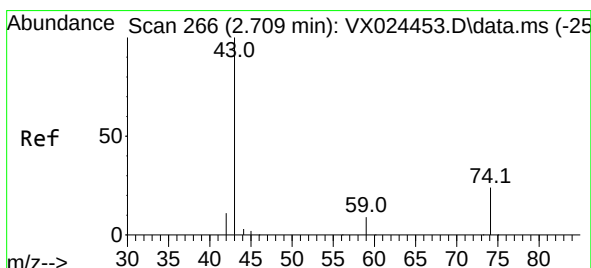
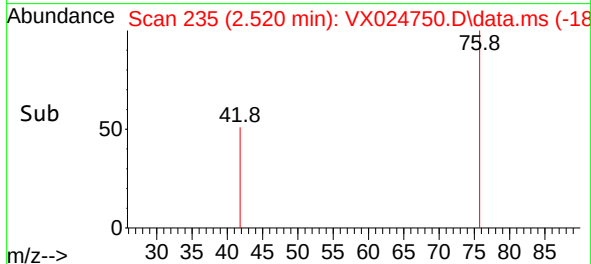
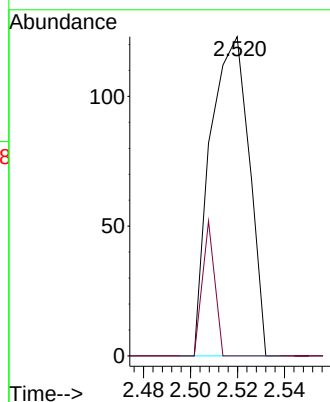
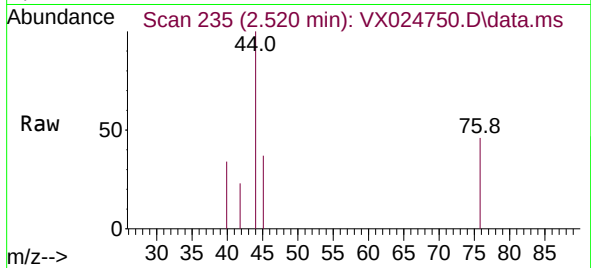




#17
Carbon Disulfide
Concen: 0.274 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

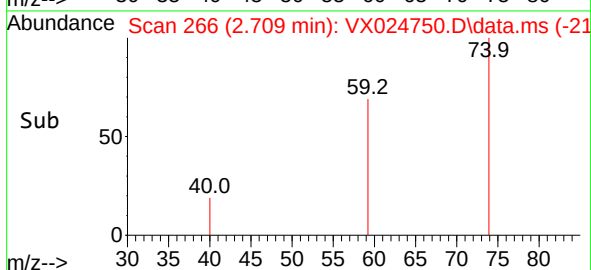
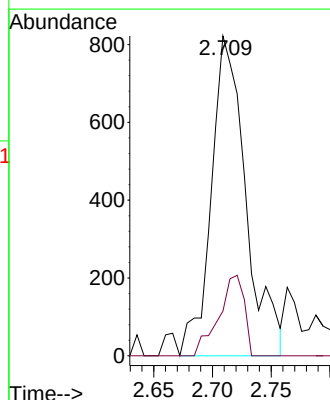
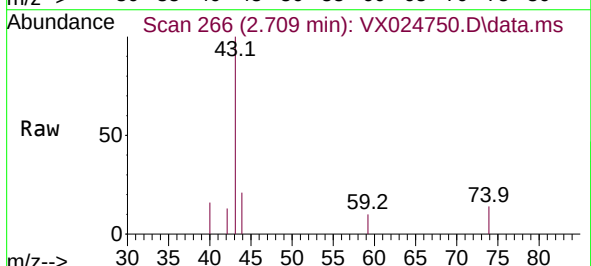
Instrument :
MSVOA_X
ClientSampled :

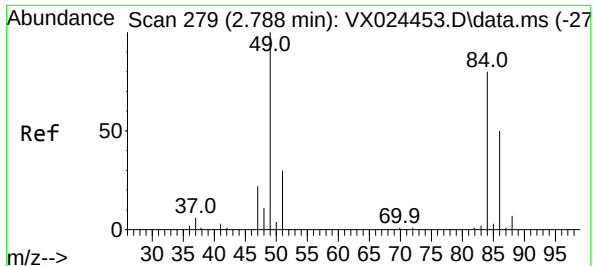
Tgt Ion: 76 Resp: 141
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.621 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

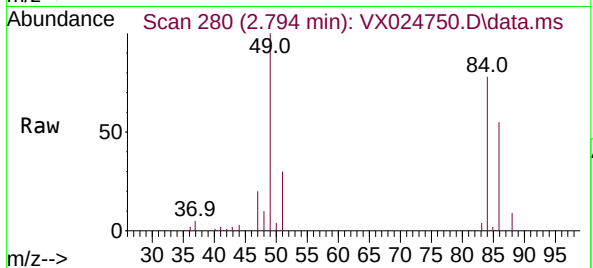
Tgt Ion: 43 Resp: 1684
Ion Ratio Lower Upper
43 100
74 18.5 21.9 32.9#



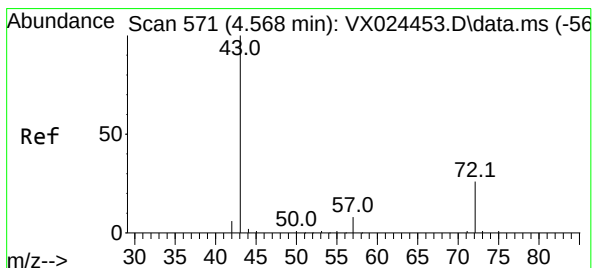
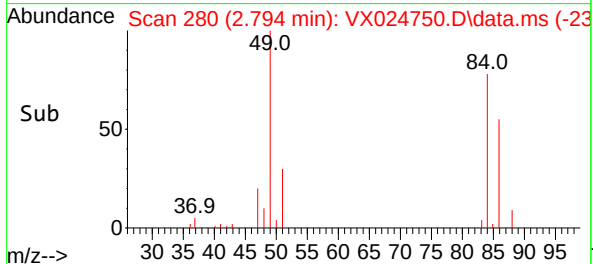
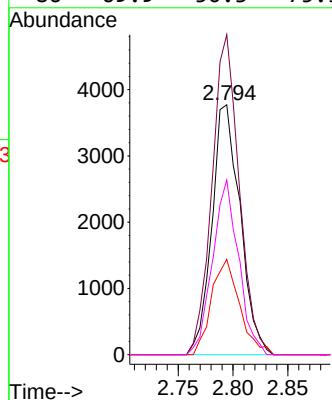


#20
Methylene Chloride
Concen: 3.929 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

Instrument :
MSVOA_X
ClientSampleId :

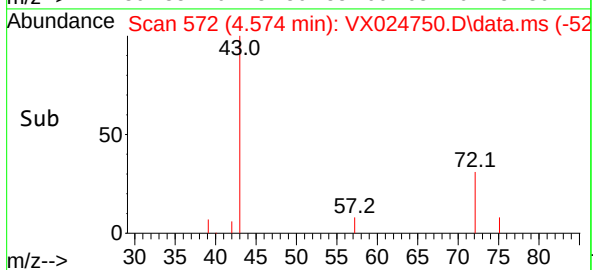
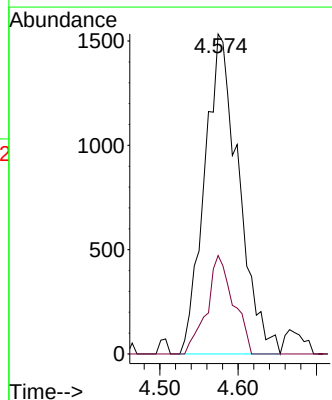
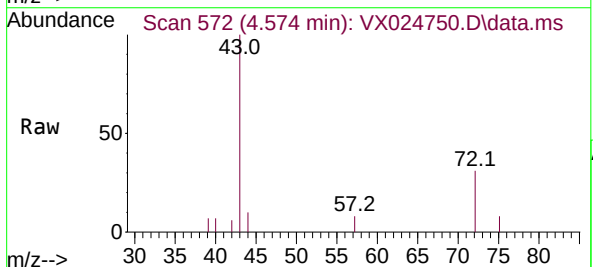


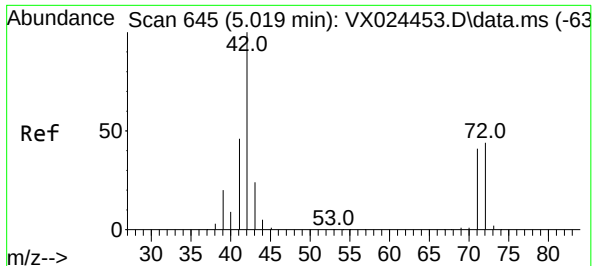
Tgt Ion:	84	Resp:	6757
Ion	Ratio	Lower	Upper
84	100		
49	128.0	88.6	132.8
51	38.2	27.0	40.6
86	69.9	50.3	75.5



#25
2-Butanone
Concen: 3.718 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

Tgt Ion:	43	Resp:	4640
Ion	Ratio	Lower	Upper
43	100		
72	30.8	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.761 ug/l

RT: 5.032 min Scan# 647

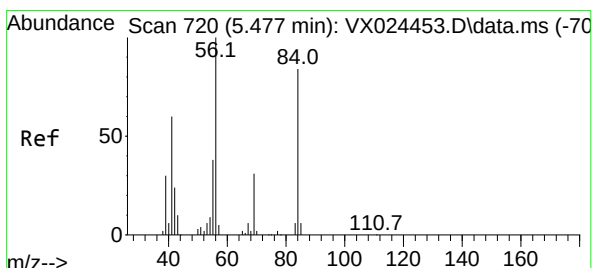
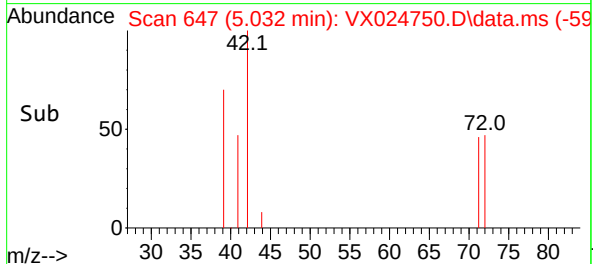
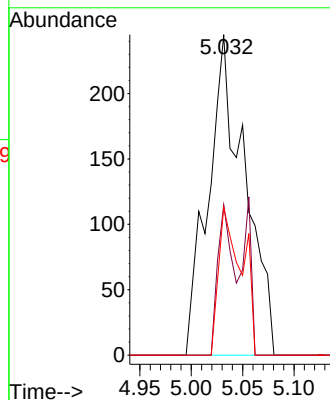
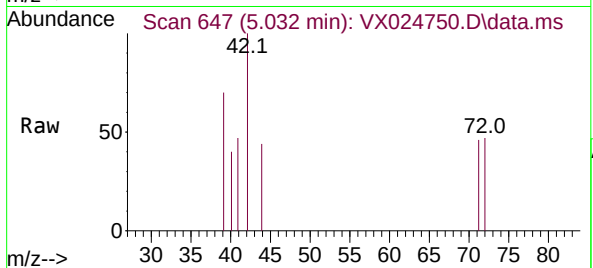
Delta R.T. 0.013 min

Lab File: VX024750.D

Acq: 12 Oct 2021 07:41

Tgt Ion:	42	Resp:	605
Ion	Ratio	Lower	Upper
42	100		
72	19.5	41.7	62.5#
71	29.4	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.345 ug/l

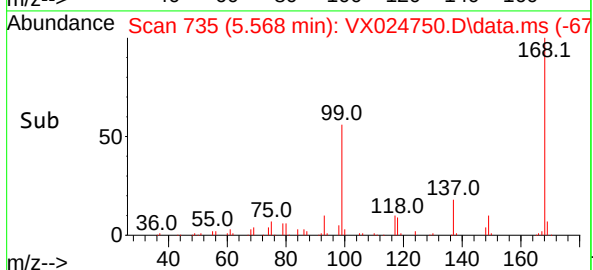
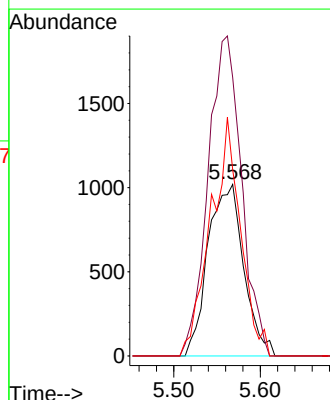
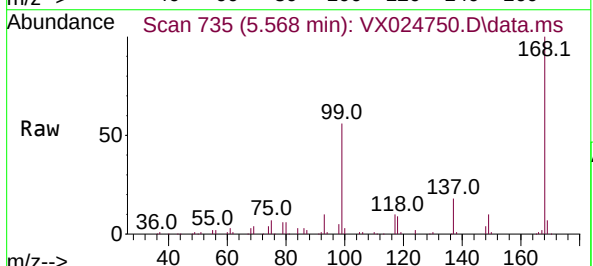
RT: 5.568 min Scan# 735

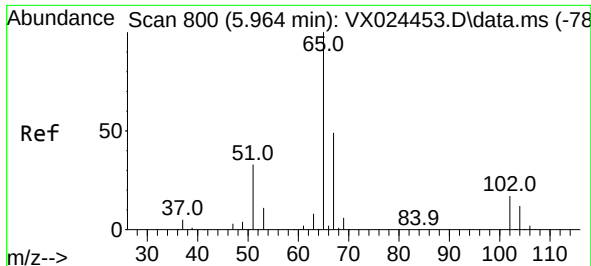
Delta R.T. 0.091 min

Lab File: VX024750.D

Acq: 12 Oct 2021 07:41

Tgt Ion:	56	Resp:	2918
Ion	Ratio	Lower	Upper
56	100		
69	162.4	25.3	37.9#
84	108.5	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 56.376 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024750.D

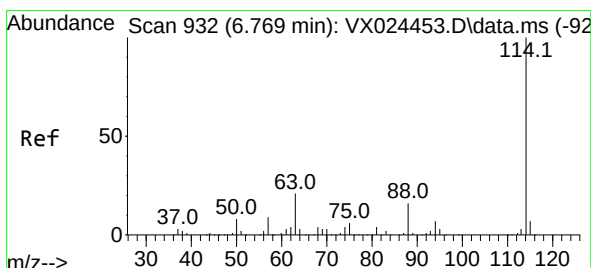
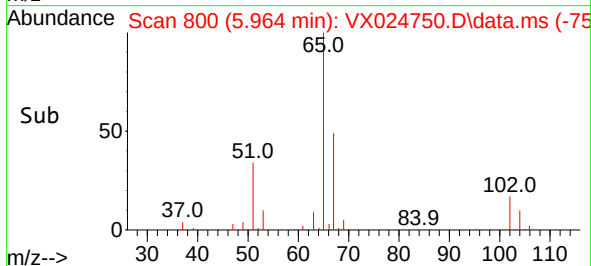
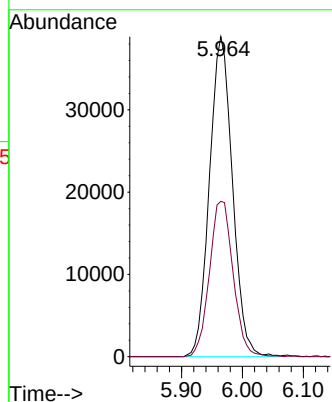
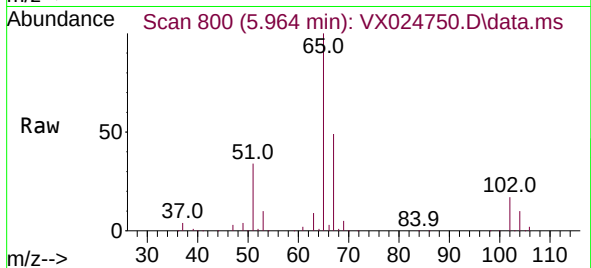
Acq: 12 Oct 2021 07:41

Tgt Ion: 65 Resp: 102165

Ion Ratio Lower Upper

65 100

67 50.0 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: VX024750.D

Acq: 12 Oct 2021 07:41

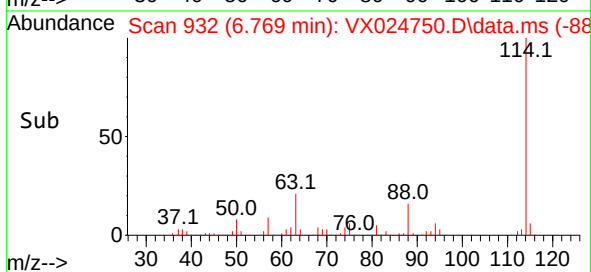
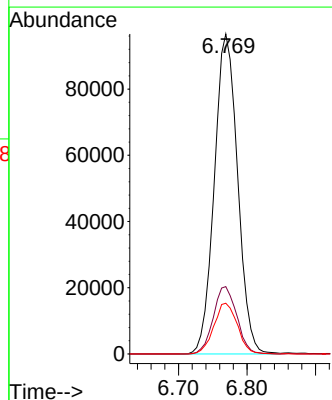
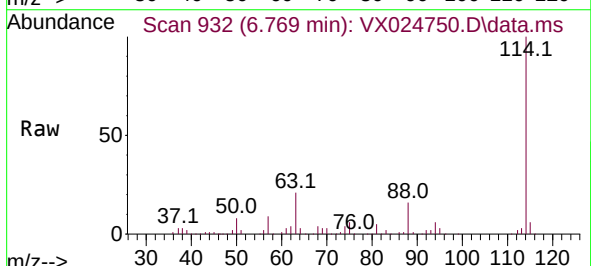
Tgt Ion: 114 Resp: 227708

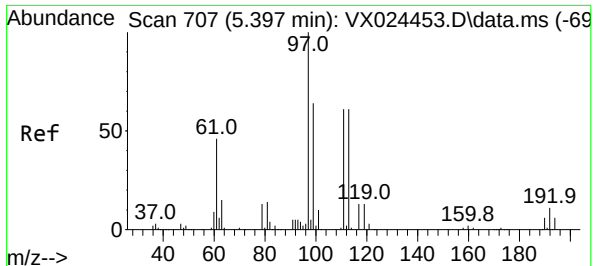
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 15.9 0.0 32.8

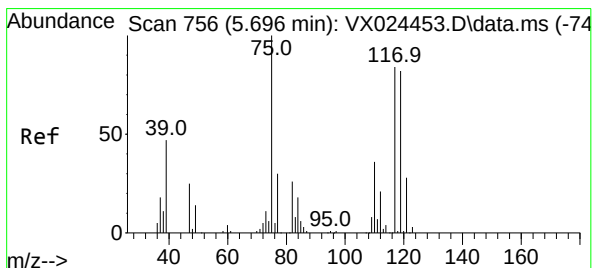
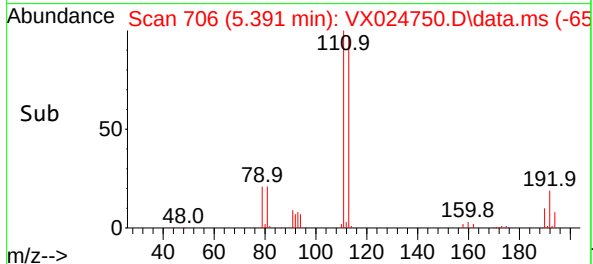
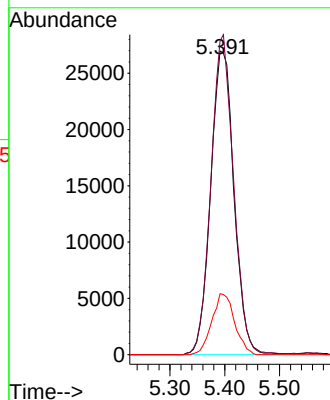
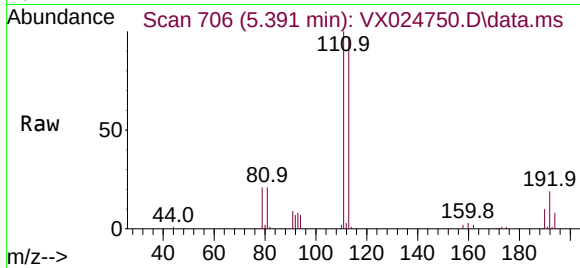




#35
Dibromofluoromethane
Concen: 52.673 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

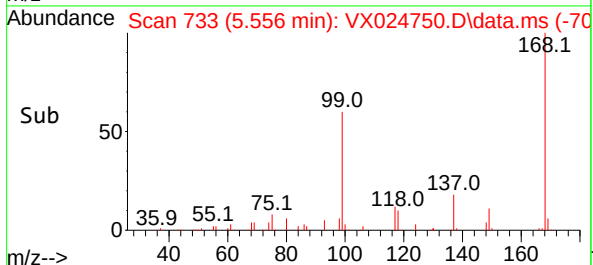
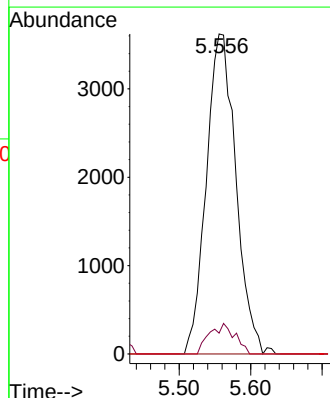
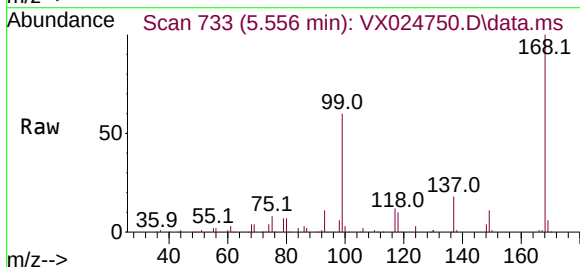
Instrument :
MSVOA_X
ClientSampled :

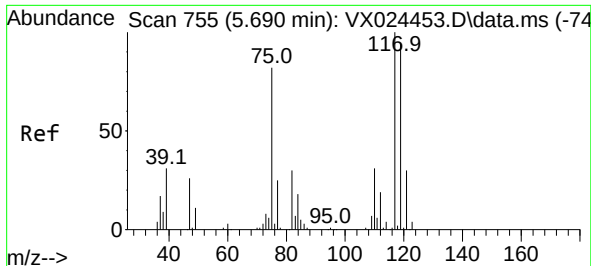
Tgt Ion:113 Resp: 79679
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 19.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.769 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

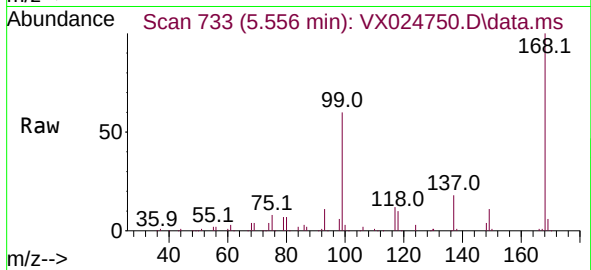
Tgt Ion: 75 Resp: 10410
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 25.3 37.9#



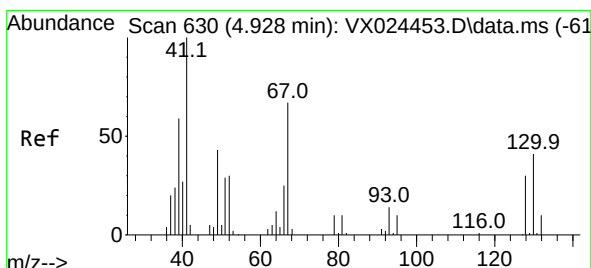
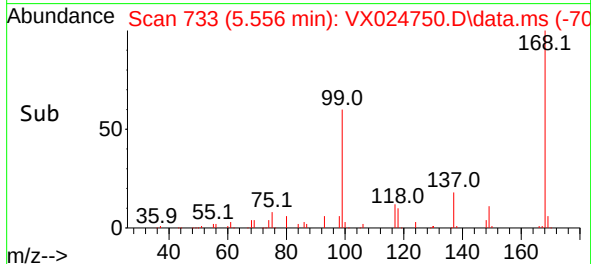
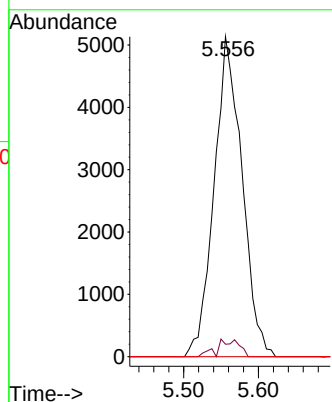


#38
Carbon Tetrachloride
Concen: 5.608 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

Instrument :
MSVOA_X
ClientSampled :

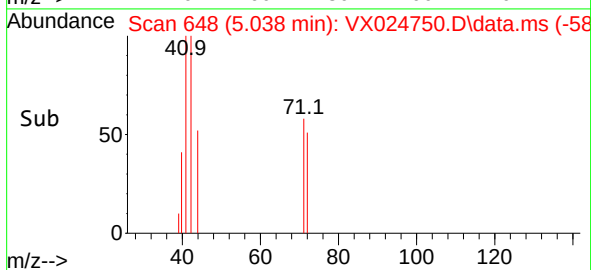
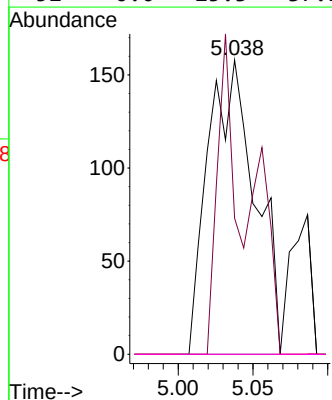
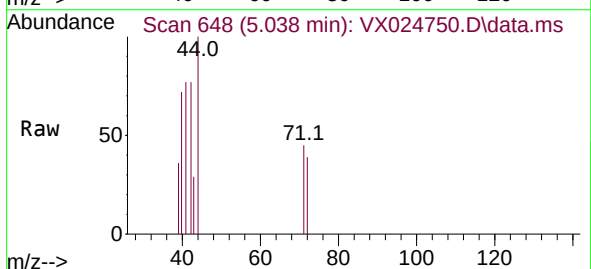


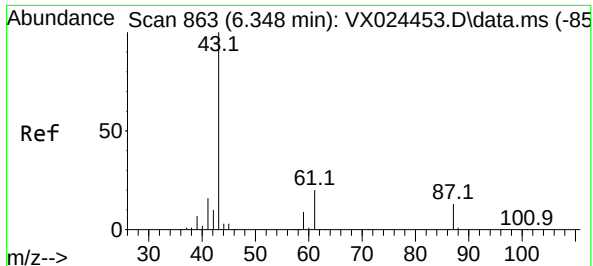
Tgt Ion:117 Resp: 13326
Ion Ratio Lower Upper
117 100
119 3.9 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.247 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

Tgt Ion: 41 Resp: 347
Ion Ratio Lower Upper
41 100
39 41.5 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

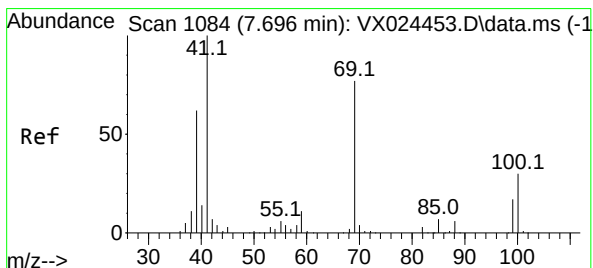
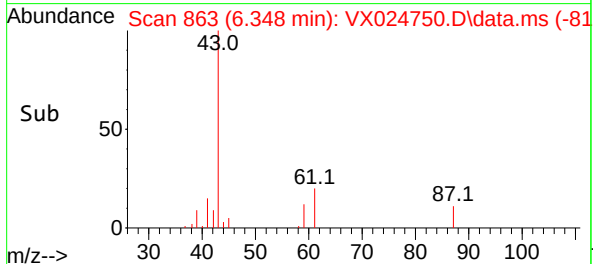
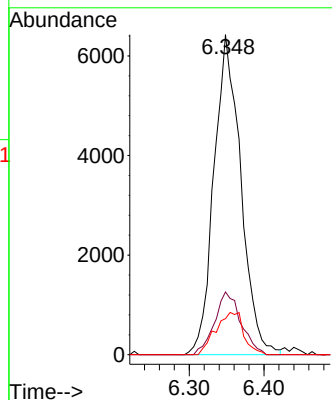
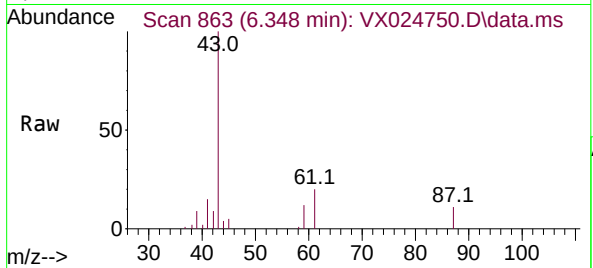




#43
Isopropyl Acetate
Concen: 3.870 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

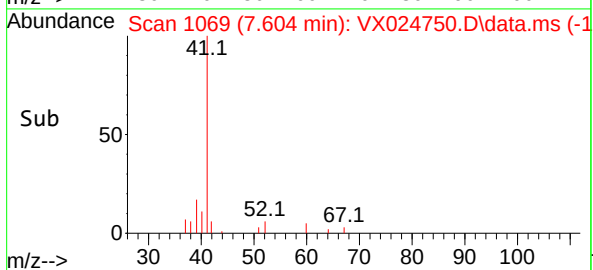
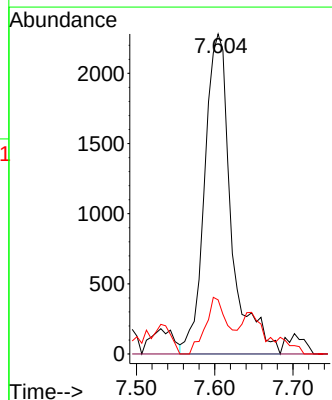
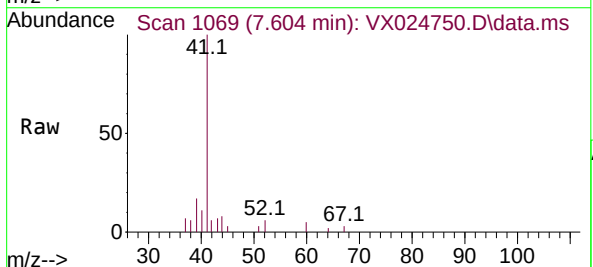
Instrument :
MSVOA_X
ClientSampleId :

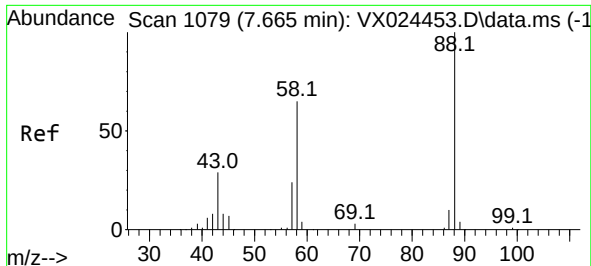
Tgt Ion: 43 Resp: 16033
Ion Ratio Lower Upper
43 100
61 19.2 18.2 27.4
87 13.8 12.5 18.7



#48
Methyl methacrylate
Concen: 2.621 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

Tgt Ion: 41 Resp: 5377
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

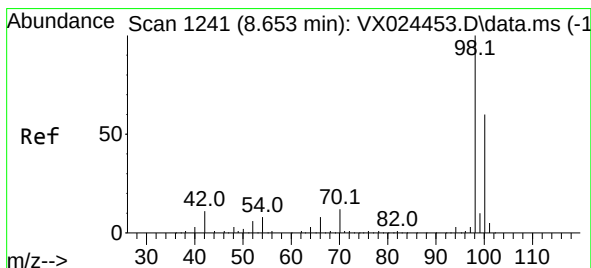
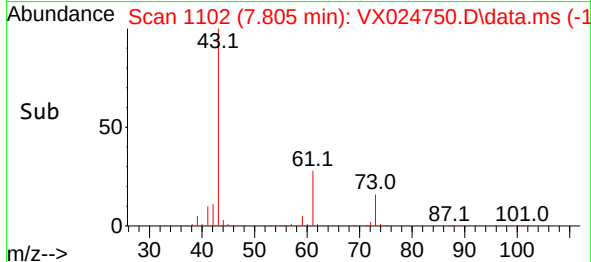
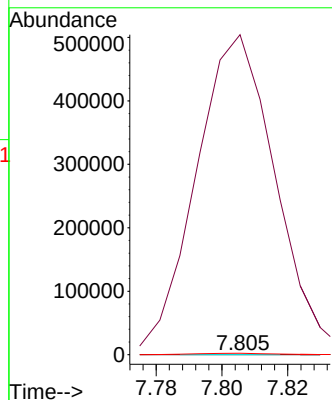
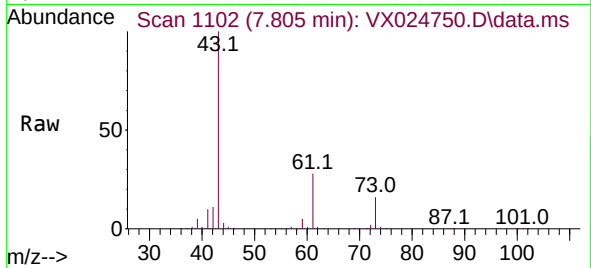




#49
1,4-Dioxane
Concen: 1.213 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

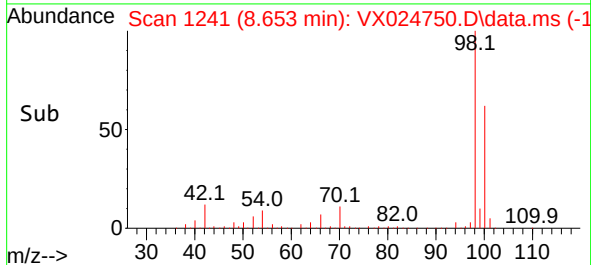
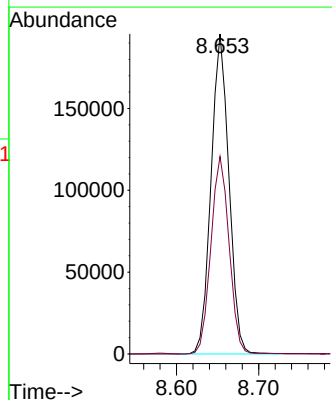
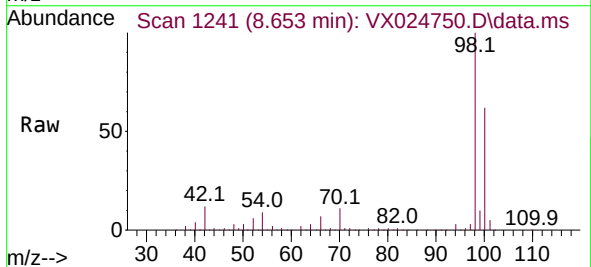
Instrument :
MSVOA_X
ClientSampled :

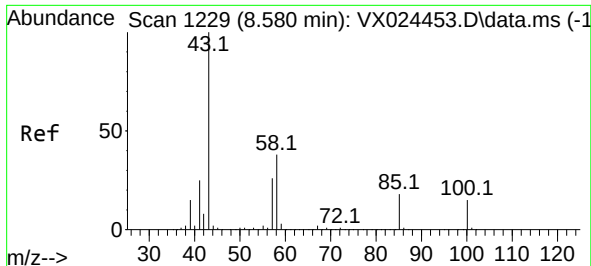
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 1506789.5 23.2 34.8#
58 6759.6 55.0 82.4#



#50
Toluene-d8
Concen: 52.864 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

Tgt Ion: 98 Resp: 294326
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9

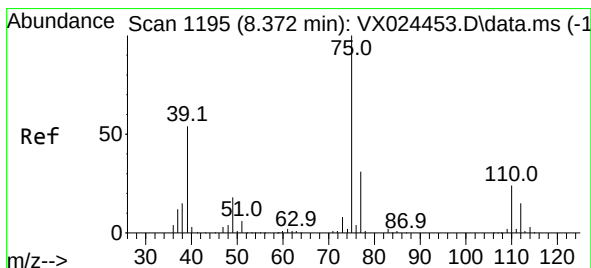
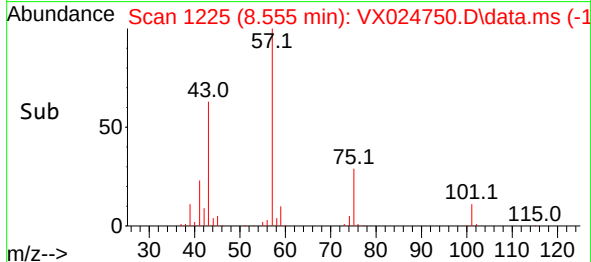
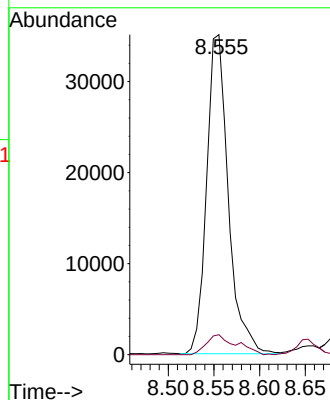
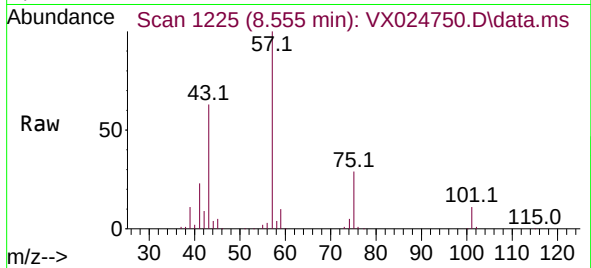




#51
4-Methyl-2-Pentanone
Concen: 21.141 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

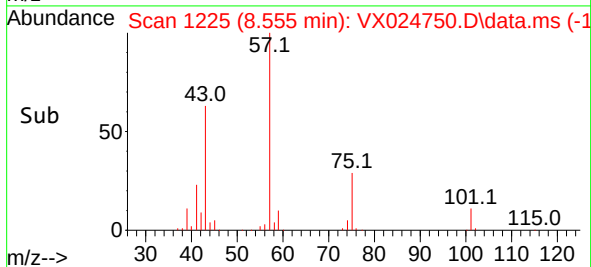
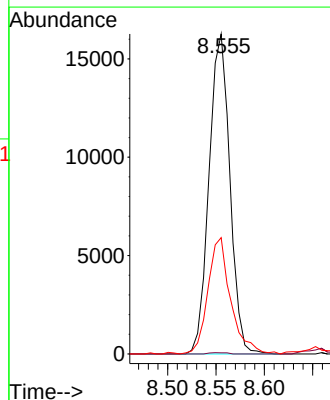
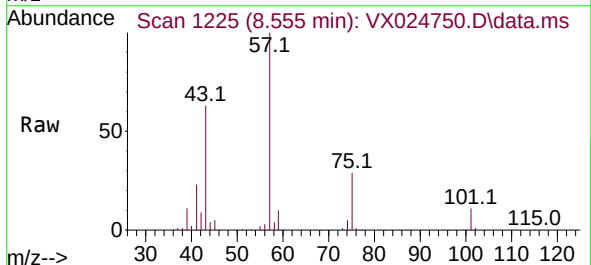
Instrument :
MSVOA_X
ClientSampled :

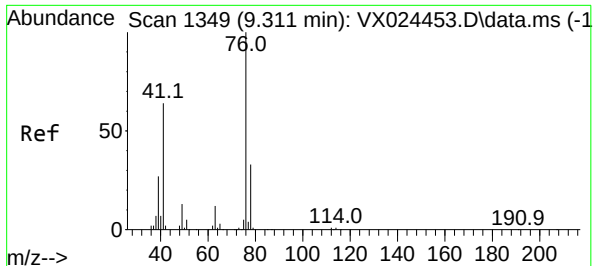
Tgt Ion: 43 Resp: 57829
Ion Ratio Lower Upper
43 100
58 8.7 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 9.557 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

Tgt Ion: 75 Resp: 24377
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 36.4 35.1 52.7



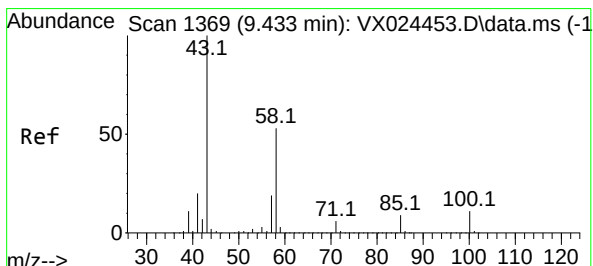
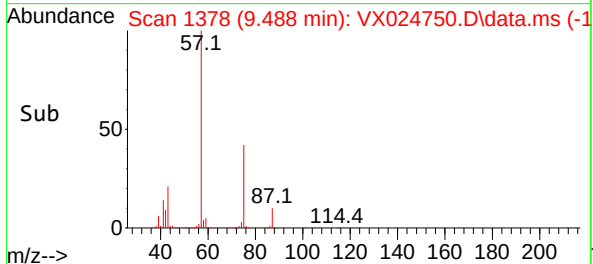
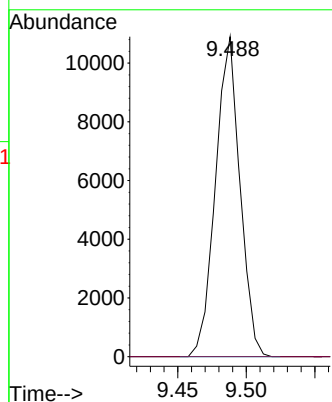
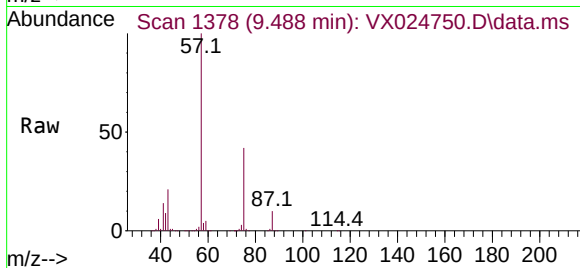


#57

1,3-Dichloropropane
Concen: 4.801 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

Instrument :
MSVOA_X
ClientSampled :

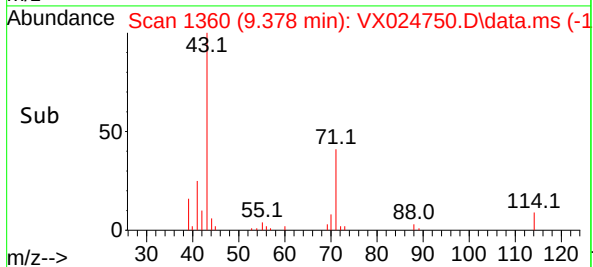
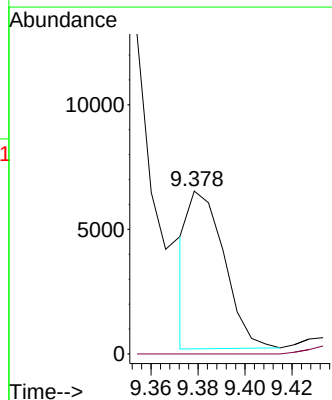
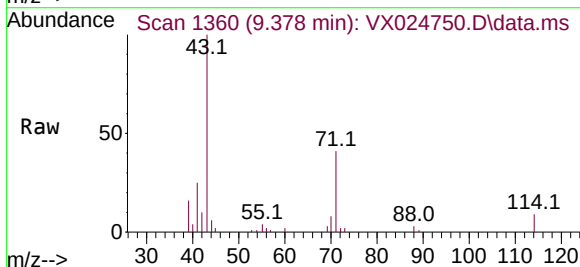
Tgt Ion: 76 Resp: 13506
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

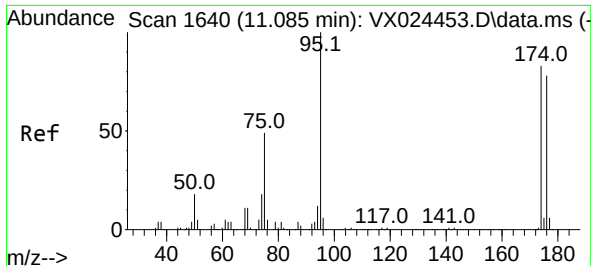


#59

2-Hexanone
Concen: 3.086 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

Tgt Ion: 43 Resp: 6648
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

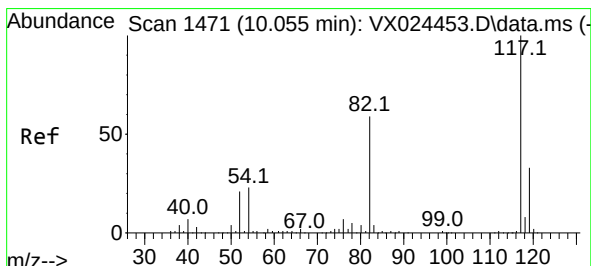
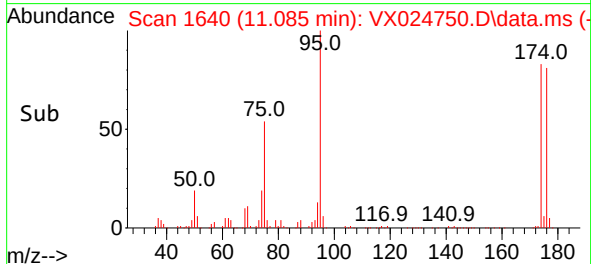
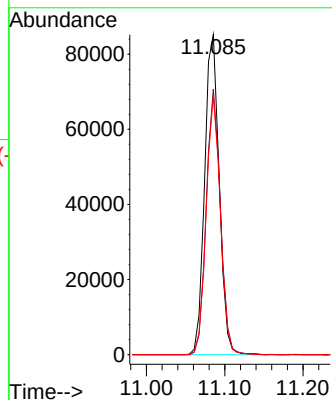
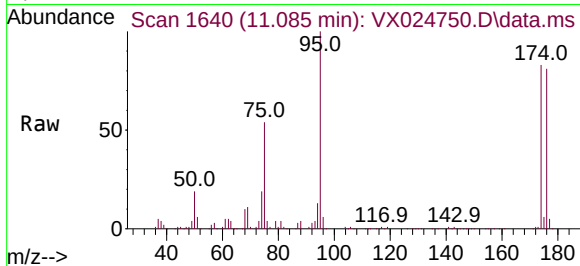




#62
4-Bromofluorobenzene
Concen: 50.156 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

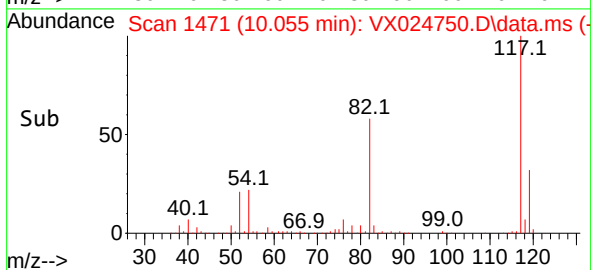
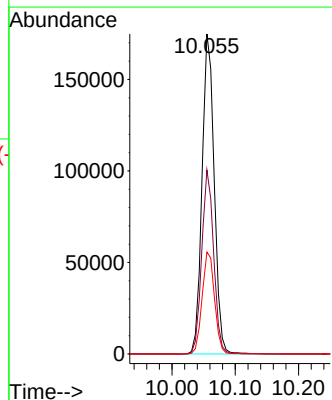
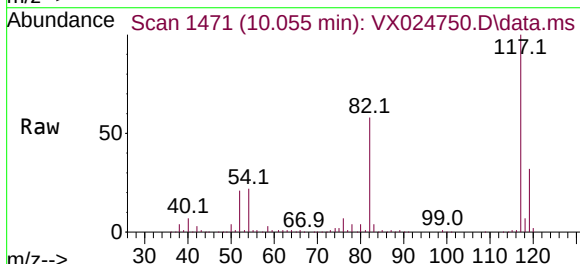
Instrument :
MSVOA_X
ClientSampleId :

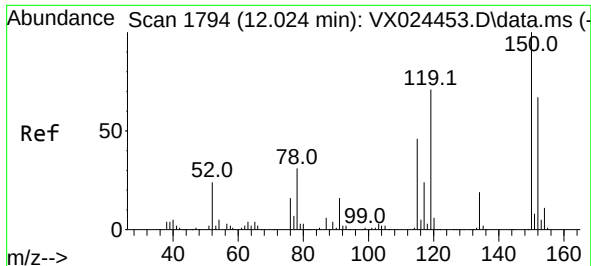
Tgt Ion: 95 Resp: 109796
Ion Ratio Lower Upper
95 100
174 80.8 0.0 154.6
176 78.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

Tgt Ion: 117 Resp: 234263
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 31.8 26.6 39.8

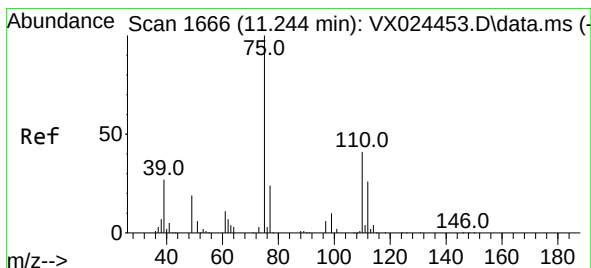
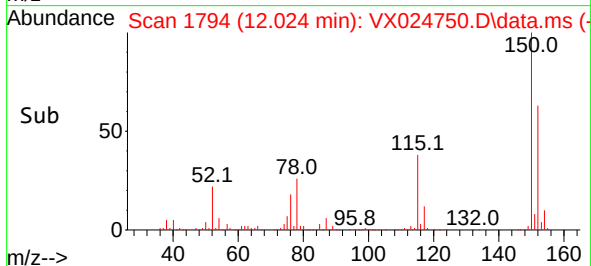
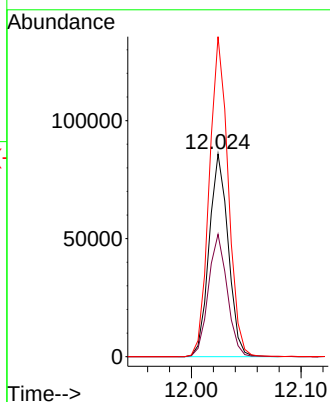
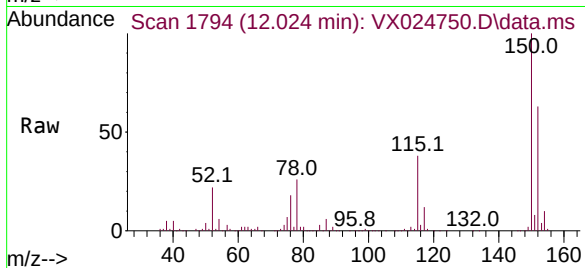




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

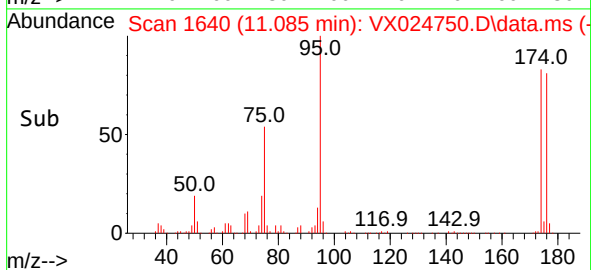
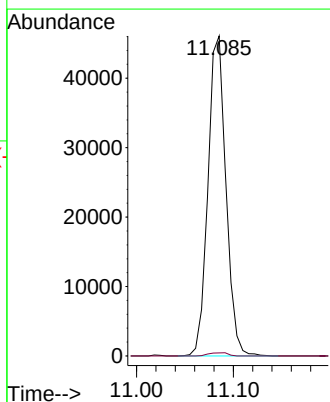
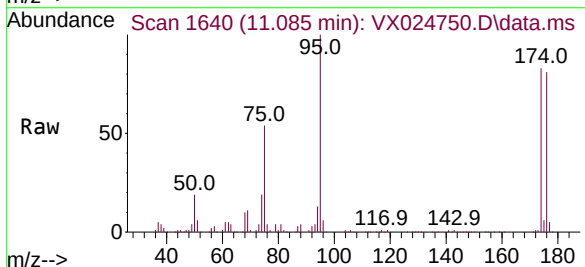
Instrument :
MSVOA_X
ClientSampled :

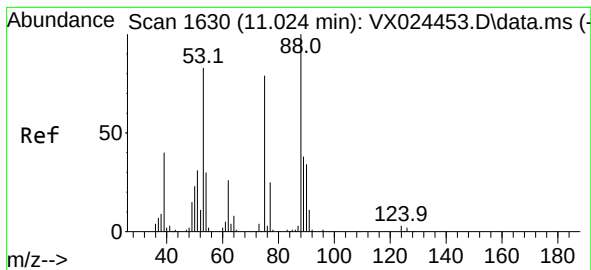
Tgt Ion:152 Resp: 103667
Ion Ratio Lower Upper
152 100
115 59.8 41.1 123.3
150 156.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.318 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024750.D
Acq: 12 Oct 2021 07:41

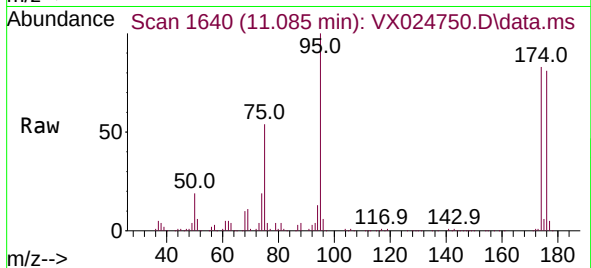
Tgt Ion: 75 Resp: 59605
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.018 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024750.D
 Acq: 12 Oct 2021 07:41

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 59605
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

