

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024743.D
 Acq On : 12 Oct 2021 04:57
 Operator : JC/MD
 Sample : M4158-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:10:45 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)

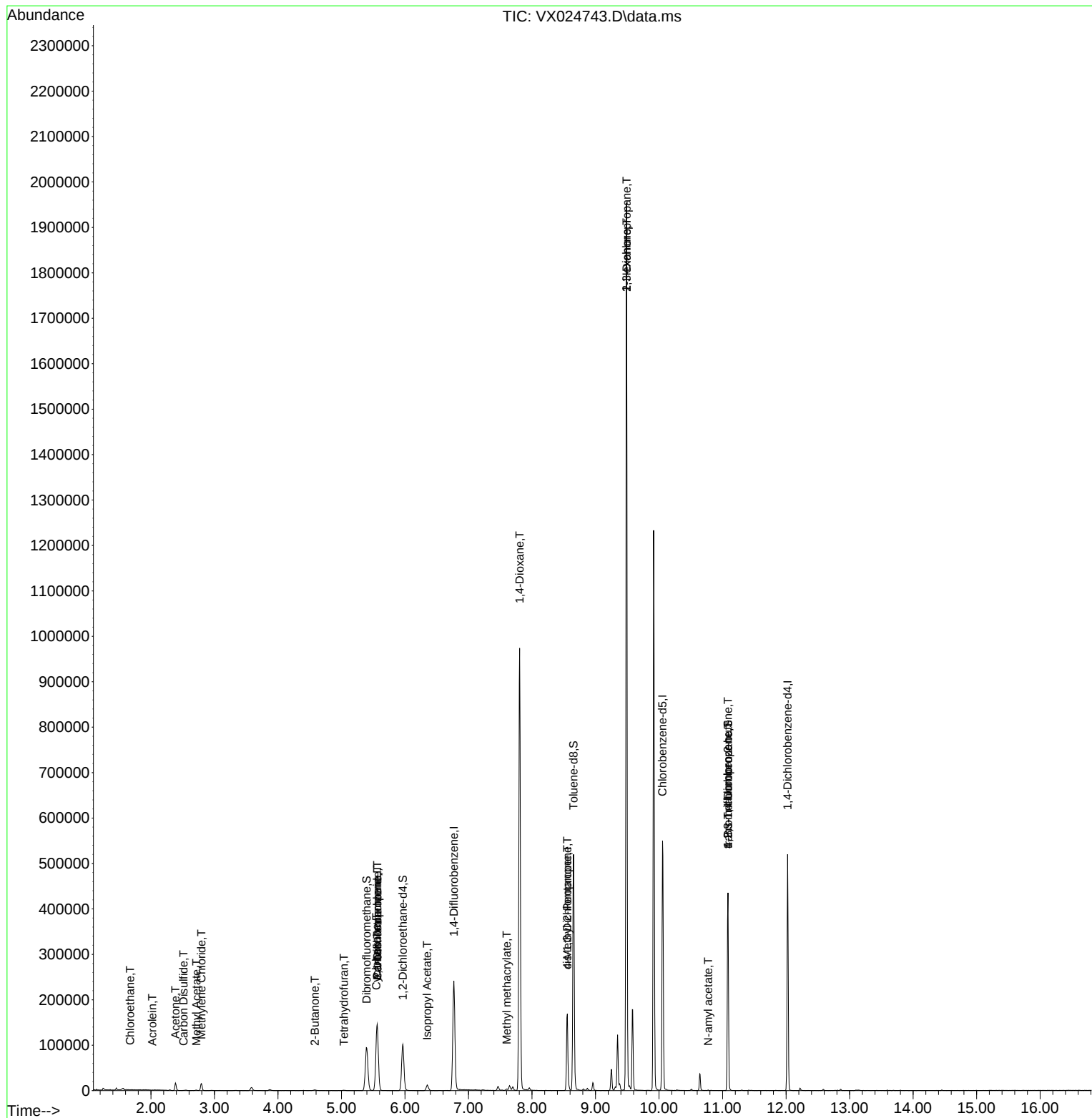
Internal Standards						
1) Pentafluorobenzene	5.562	168	134062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236653	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	241105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102415	54.204	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.400%	
35) Dibromofluoromethane	5.397	113	80357	51.113	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.220%	
50) Toluene-d8	8.653	98	303179	52.396	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.800%	
62) 4-Bromofluorobenzene	11.085	95	110288	48.477	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.960%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	127	0.401	ug/l #	43
11) Tert butyl alcohol	2.965	59	553	Below Cal	#	73
13) Acrolein	2.020	56	20	10.246	ug/l #	14
16) Acetone	2.386	43	17175	11.885	ug/l	91
17) Carbon Disulfide	2.514	76	291	0.319	ug/l #	75
18) Methyl Acetate	2.715	43	1619	0.572	ug/l #	82
20) Methylene Chloride	2.794	84	7025	3.915	ug/l	92
25) 2-Butanone	4.580	43	2654	2.040	ug/l	90
29) Tetrahydrofuran	5.038	42	634	0.765	ug/l #	36
31) Cyclohexane	5.550	56	3089	1.365	ug/l #	42
36) 1,1-Dichloropropene	5.562	75	10455	4.608	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13939	5.644	ug/l #	16
43) Isopropyl Acetate	6.348	43	15874	3.686	ug/l #	92
48) Methyl methacrylate	7.604	41	5130	2.406	ug/l #	10
49) 1,4-Dioxane	7.806	88	65	1.331	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	60849	21.404	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	25013	9.436	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	15275	5.225	ug/l #	42
59) 2-Hexanone	9.488	43	229383	102.459	ug/l #	43
74) N-amyl acetate	10.774	43	704	0.210	ug/l #	42
76) 1,2,3-Trichloropropane	11.085	75	60189	25.757	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	60189	70.179	ug/l #	12

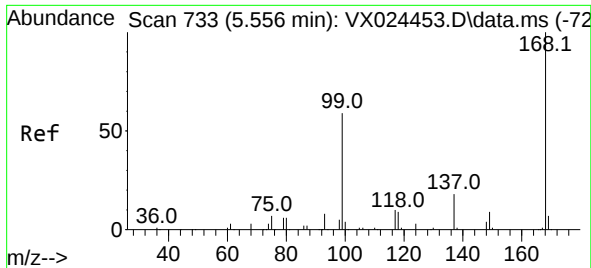
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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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

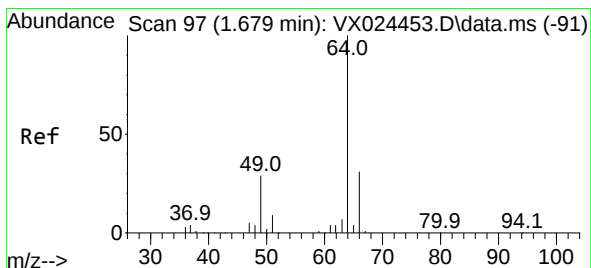
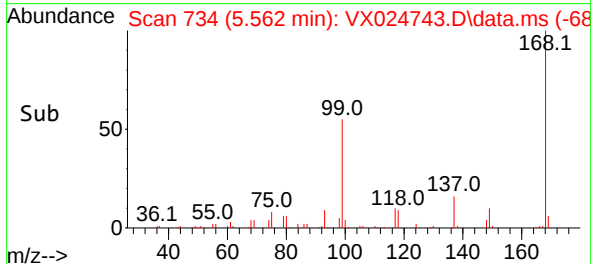
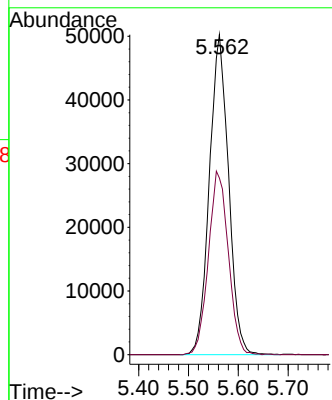
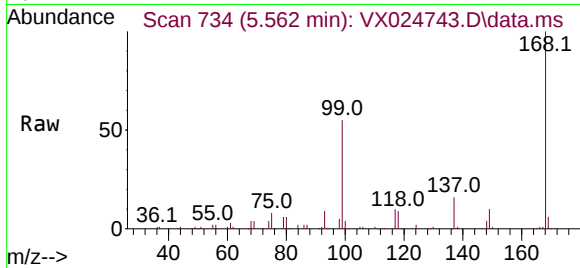




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

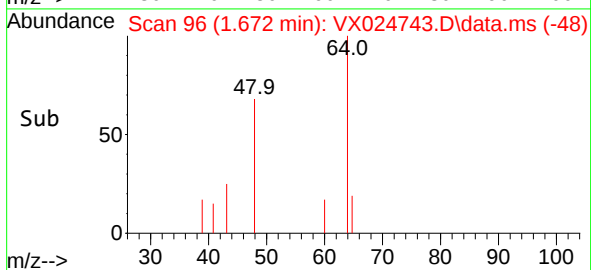
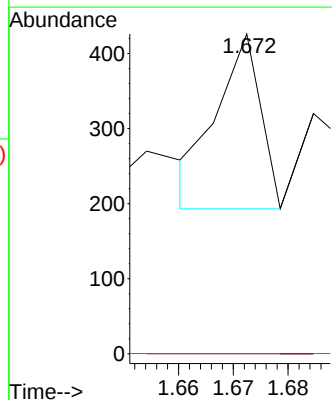
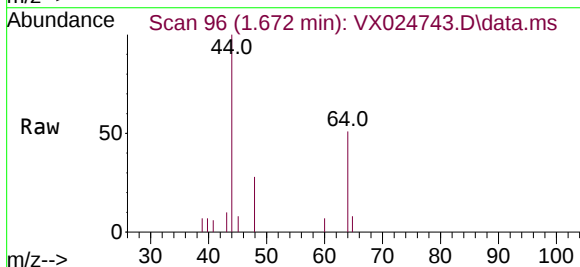
Instrument :
MSVOA_X
ClientSampleId :

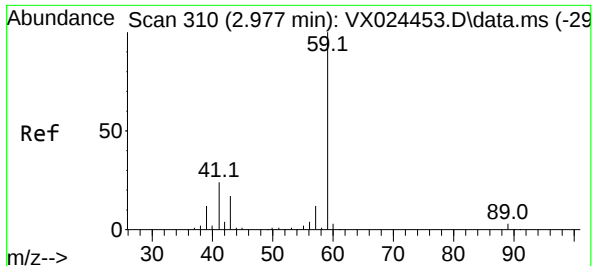
Tgt Ion:168 Resp: 134062
Ion Ratio Lower Upper
168 100
99 55.2 45.8 68.6



#6
Chloroethane
Concen: 0.401 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Tgt Ion: 64 Resp: 127
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



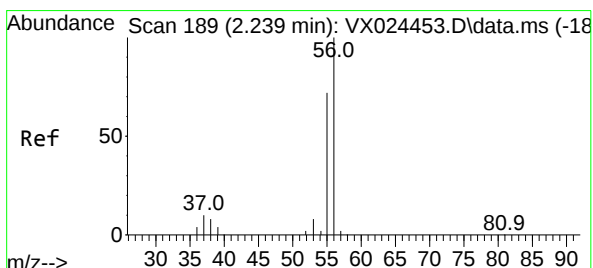
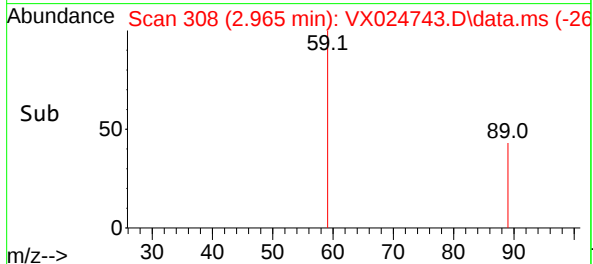
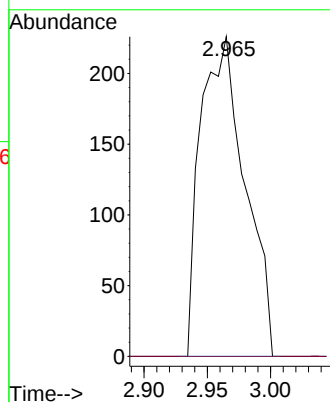
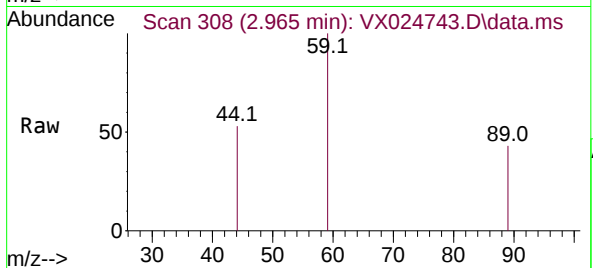


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Instrument :
MSVOA_X
ClientSampled :

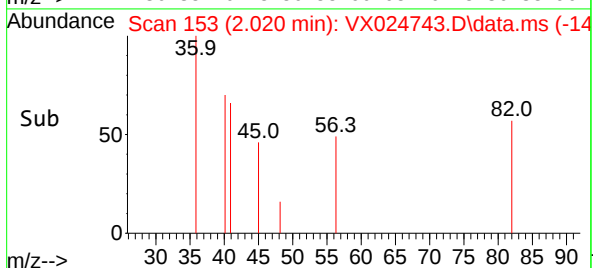
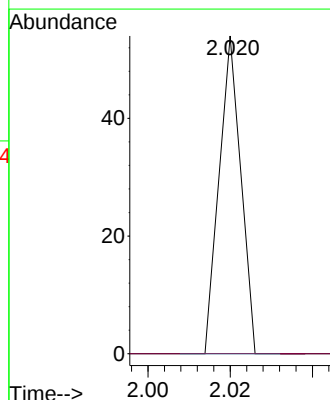
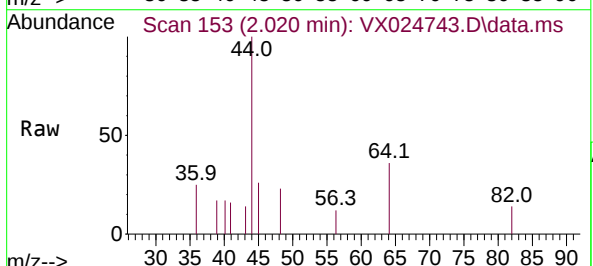
Tgt Ion: 59 Resp: 553
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

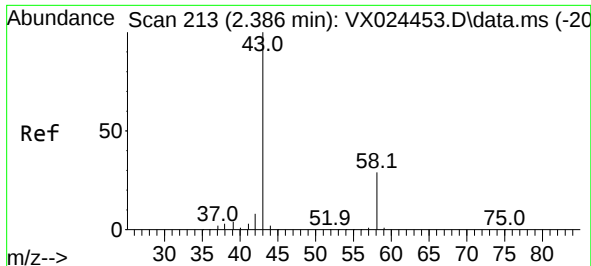


#13

Acrolein
Concen: 10.246 ug/l
RT: 2.020 min Scan# 153
Delta R.T. -0.219 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

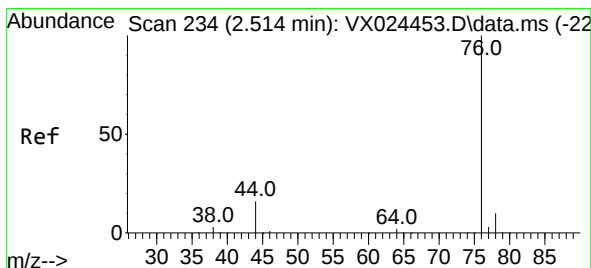
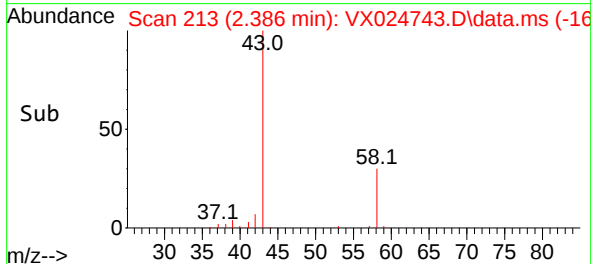
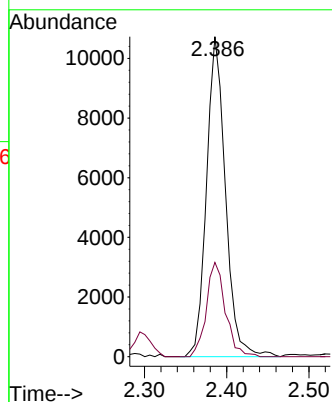
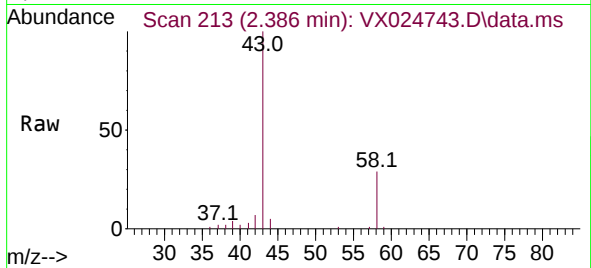




#16
Acetone
Concen: 11.885 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

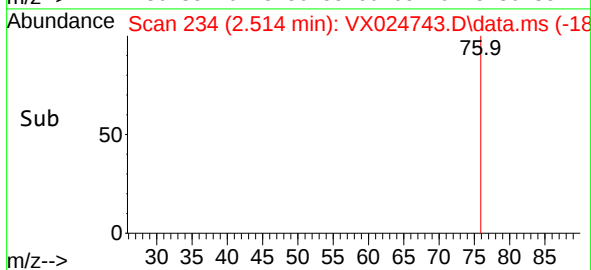
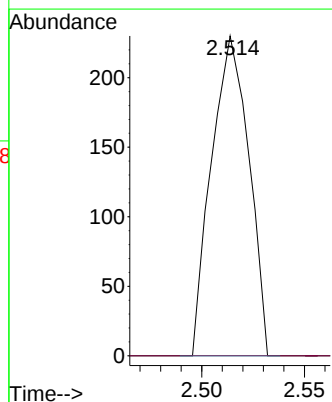
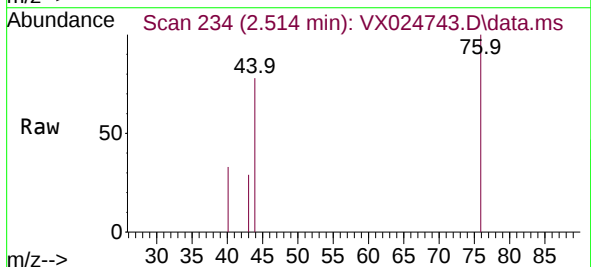
Instrument :
MSVOA_X
ClientSampleId :

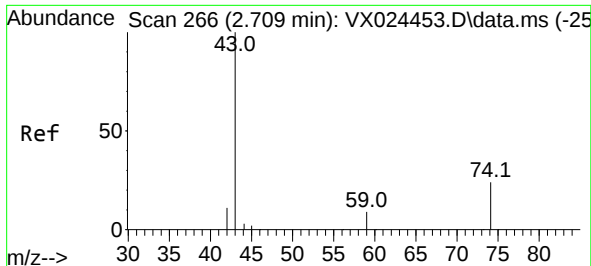
Tgt Ion: 43 Resp: 17175
Ion Ratio Lower Upper
43 100
58 29.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.319 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Tgt Ion: 76 Resp: 291
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

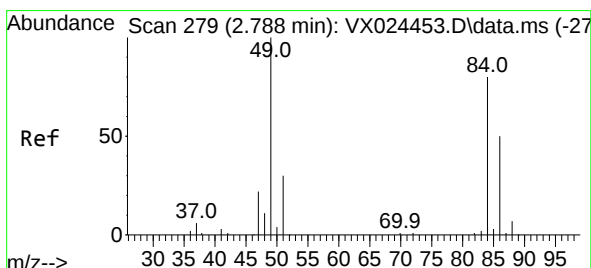
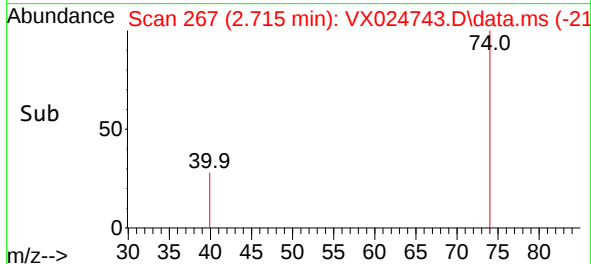
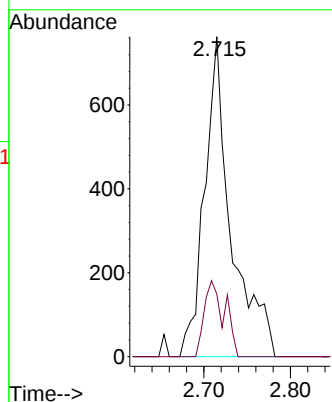
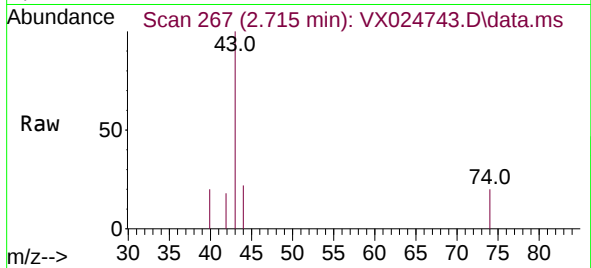




#18
Methyl Acetate
Concen: 0.572 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

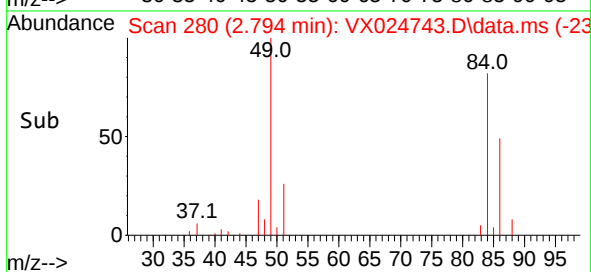
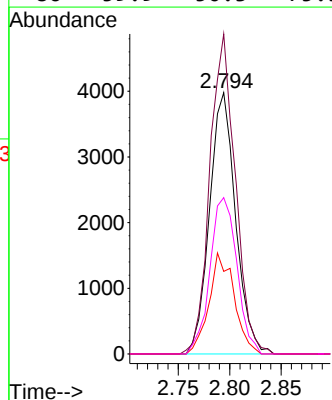
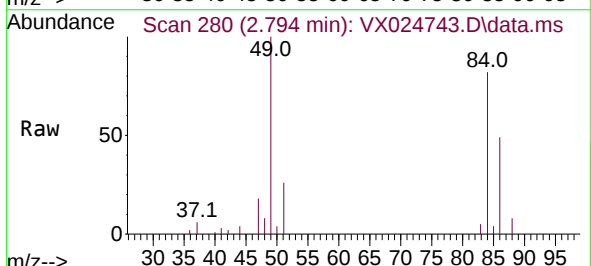
Instrument :
MSVOA_X
ClientSampled :

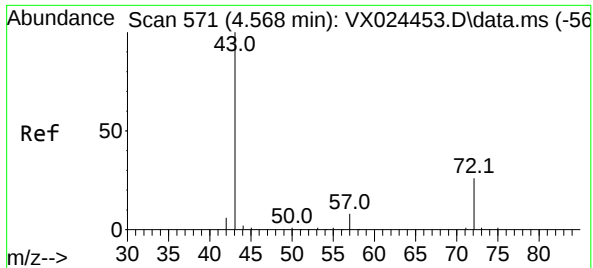
Tgt Ion: 43 Resp: 1619
Ion Ratio Lower Upper
43 100
74 18.2 21.9 32.9#



#20
Methylene Chloride
Concen: 3.915 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Tgt Ion: 84 Resp: 7025
Ion Ratio Lower Upper
84 100
49 122.5 88.6 132.8
51 31.6 27.0 40.6
86 59.9 50.3 75.5

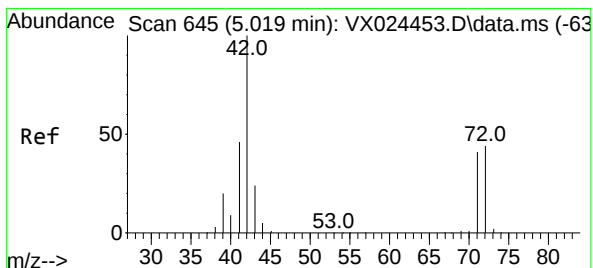
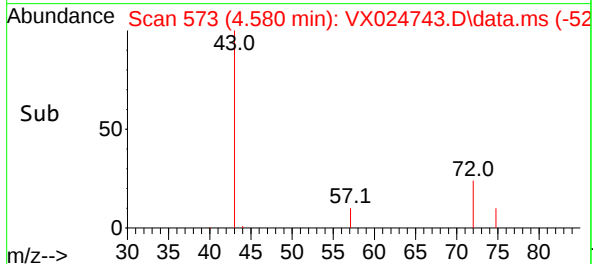
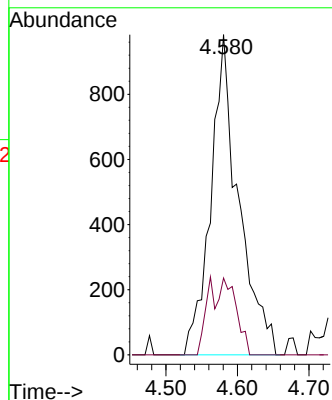
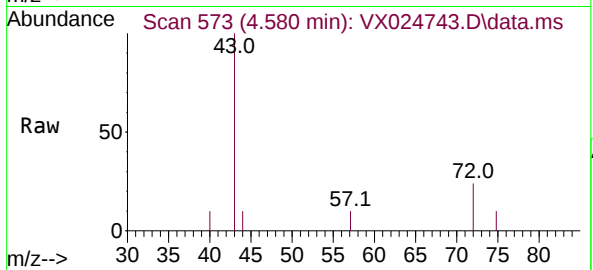




#25
2-Butanone
Concen: 2.040 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

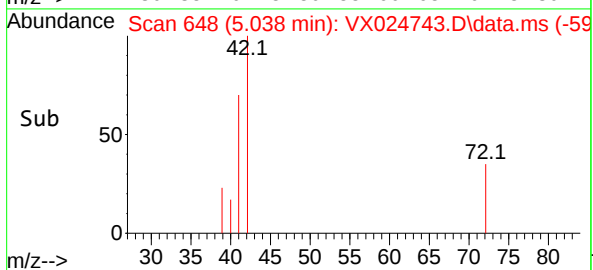
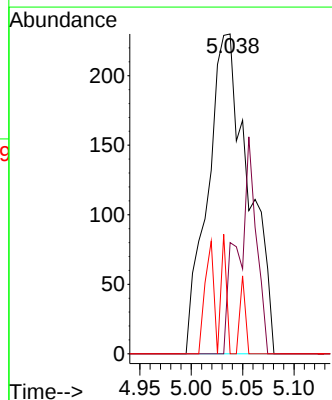
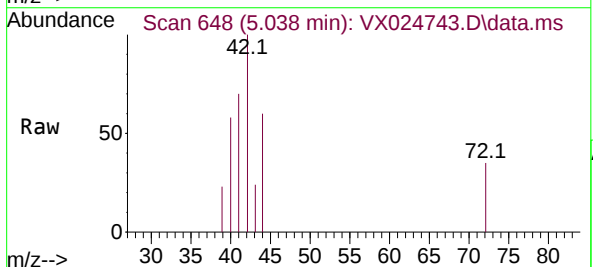
Instrument :
MSVOA_X
ClientSampled :

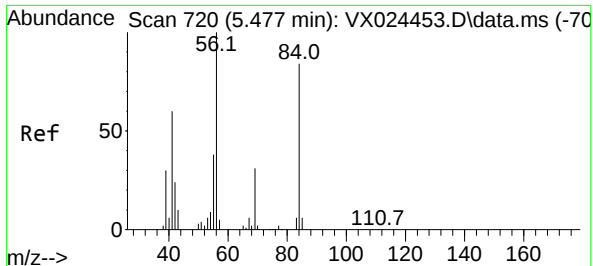
Tgt Ion: 43 Resp: 2654
Ion Ratio Lower Upper
43 100
72 24.0 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.765 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Tgt Ion: 42 Resp: 634
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 12.6 38.4 57.6#





#31

Cyclohexane

Concen: 1.365 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX024743.D

Acq: 12 Oct 2021 04:57

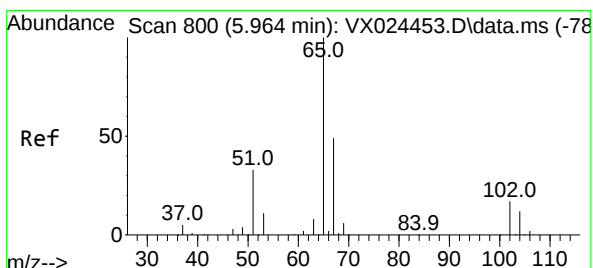
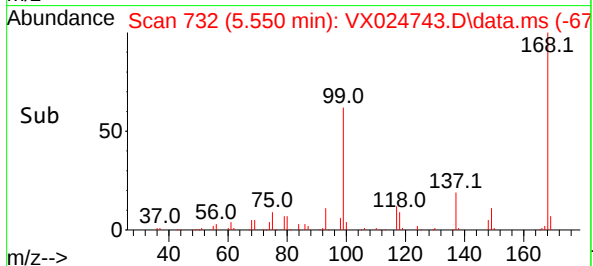
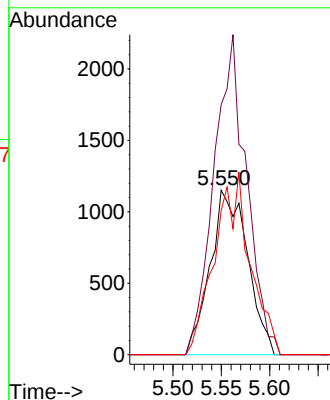
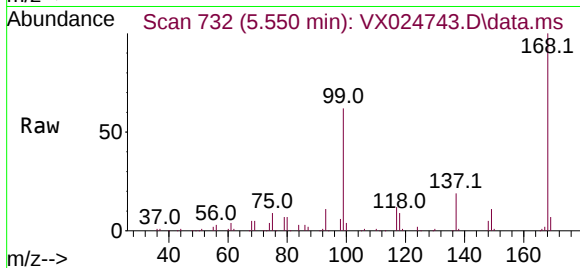
Tgt Ion: 56 Resp: 3089

Ion Ratio Lower Upper

56 100

69 152.0 25.3 37.9#

84 87.7 71.4 107.0



#33

1,2-Dichloroethane-d4

Concen: 54.204 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024743.D

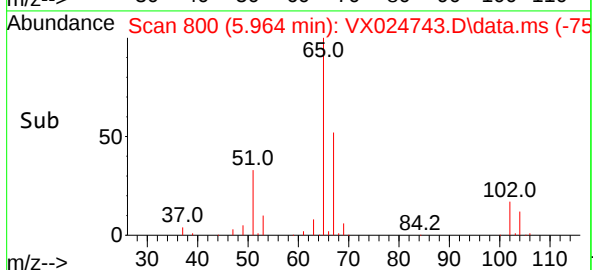
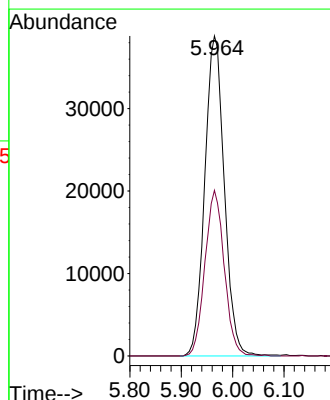
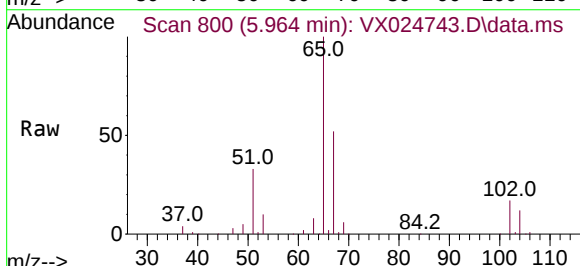
Acq: 12 Oct 2021 04:57

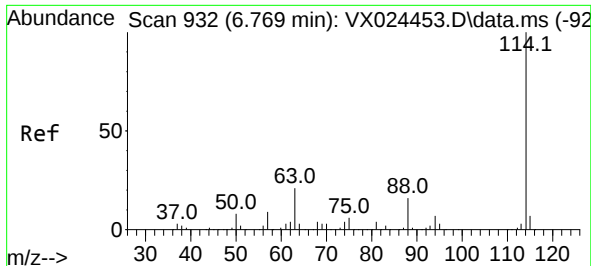
Tgt Ion: 65 Resp: 102415

Ion Ratio Lower Upper

65 100

67 51.1 0.0 105.4

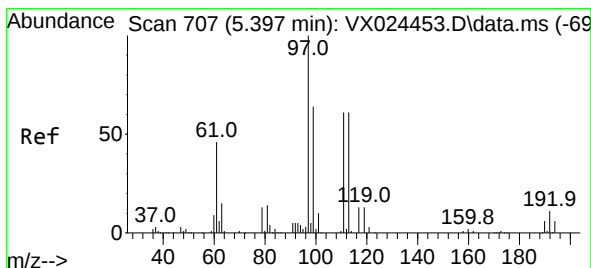
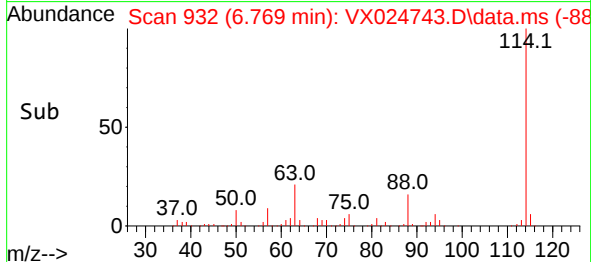
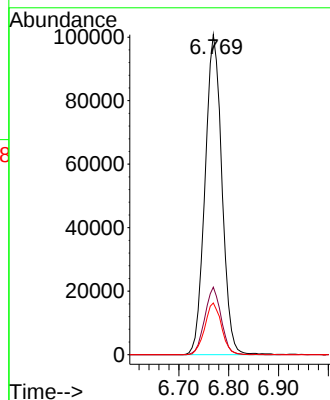
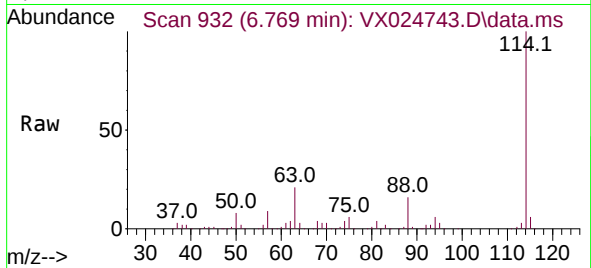




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

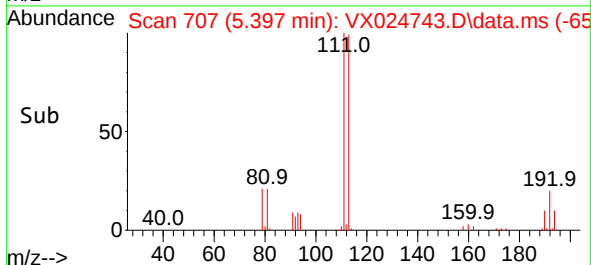
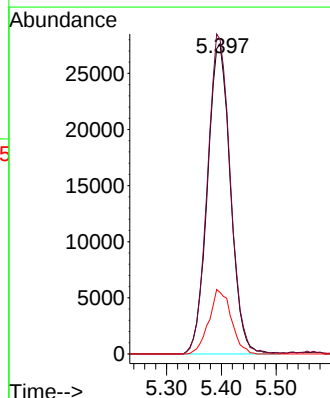
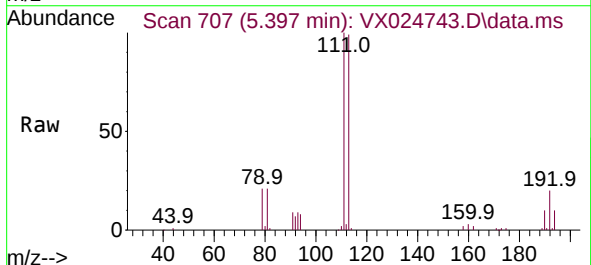
Instrument :
MSVOA_X
ClientSampleId :

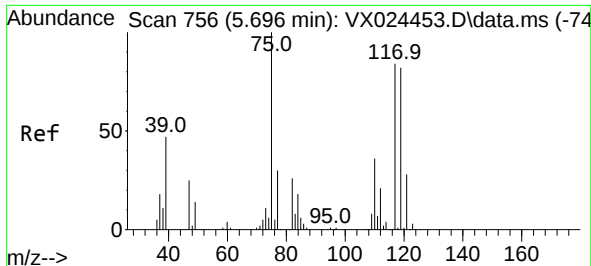
Tgt Ion:114 Resp: 236653
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.113 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Tgt Ion:113 Resp: 80357
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 20.1 16.7 25.1

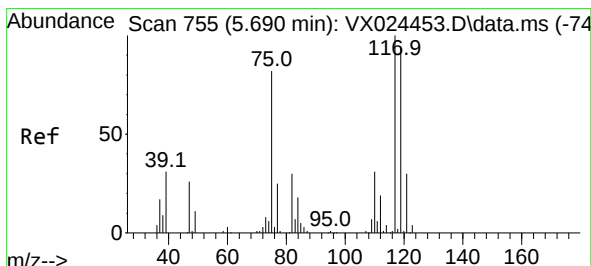
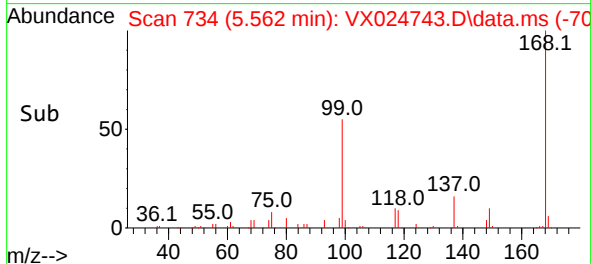
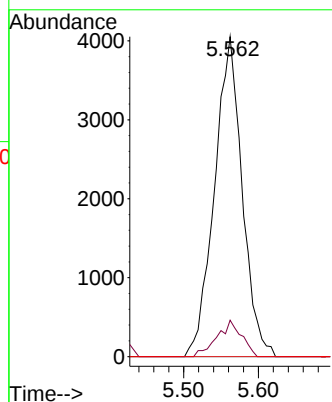
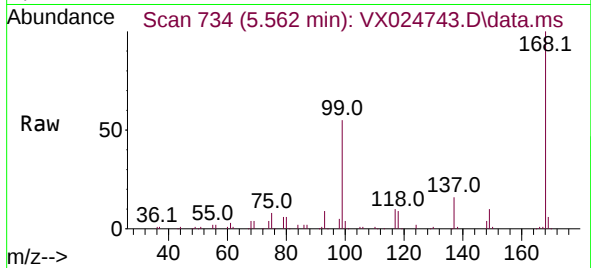




#36
1,1-Dichloropropene
Concen: 4.608 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

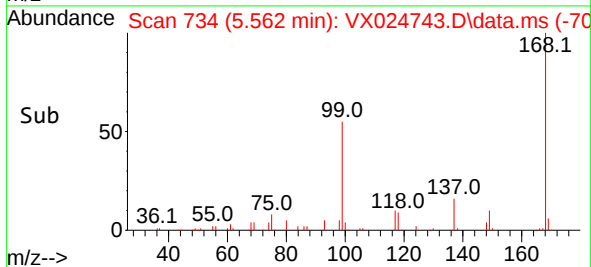
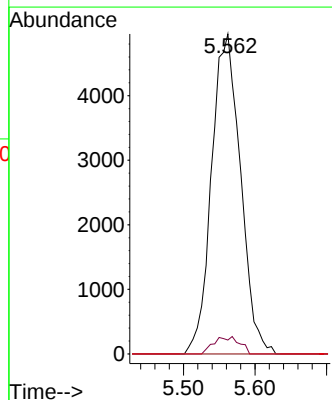
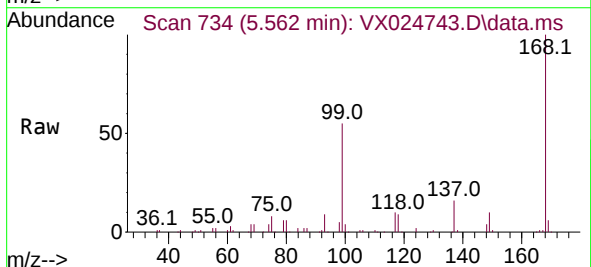
Instrument :
MSVOA_X
ClientSampleId :

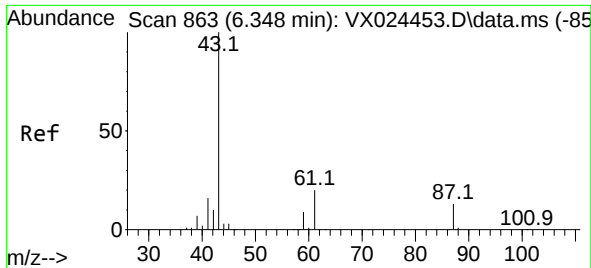
Tgt Ion: 75 Resp: 10455
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.644 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Tgt Ion:117 Resp: 13939
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.8 37.2#

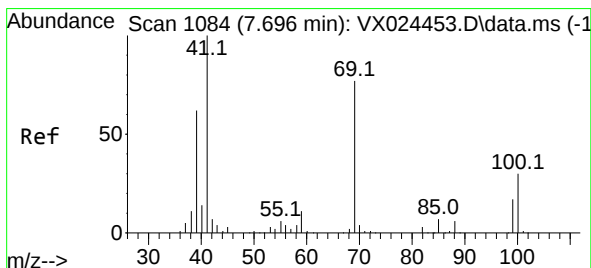
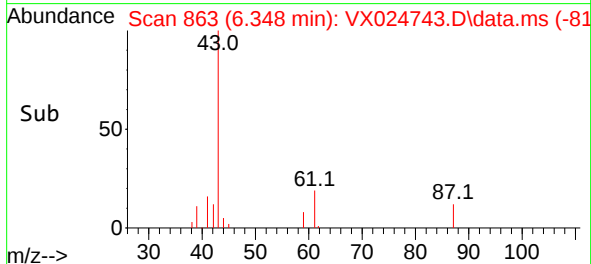
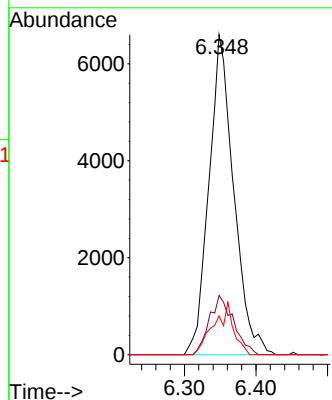
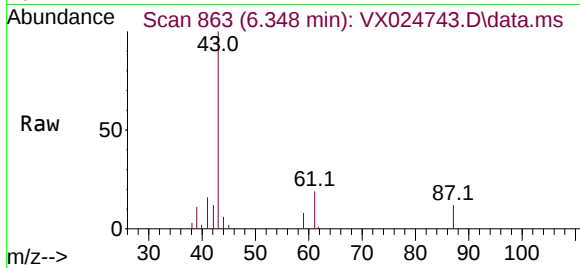




#43
Isopropyl Acetate
Concen: 3.686 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

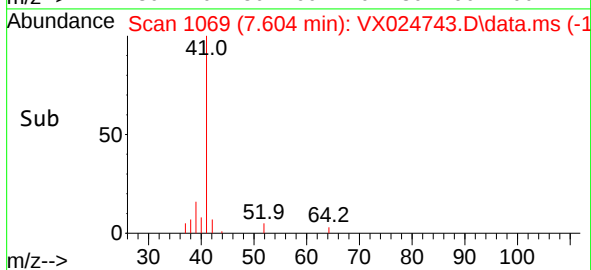
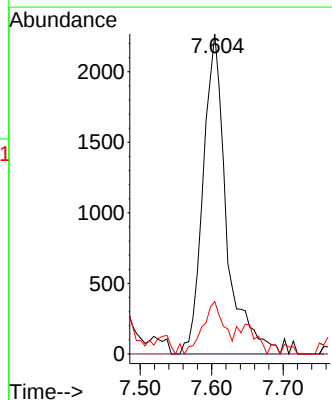
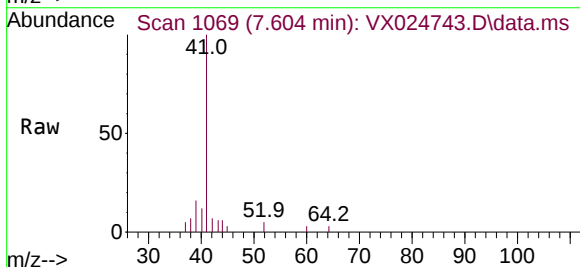
Instrument :
MSVOA_X
ClientSampleId :

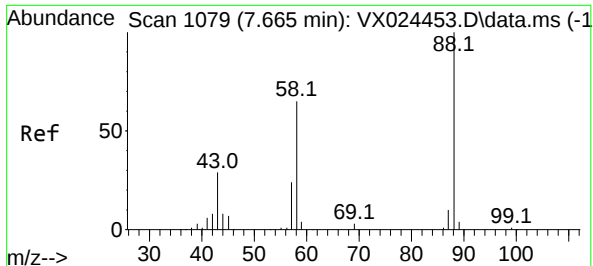
Tgt Ion: 43 Resp: 15874
Ion Ratio Lower Upper
43 100
61 18.1 18.2 27.4#
87 13.1 12.5 18.7



#48
Methyl methacrylate
Concen: 2.406 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Tgt Ion: 41 Resp: 5130
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: 1.331 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.141 min

Lab File: VX024743.D

Acq: 12 Oct 2021 04:57

Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

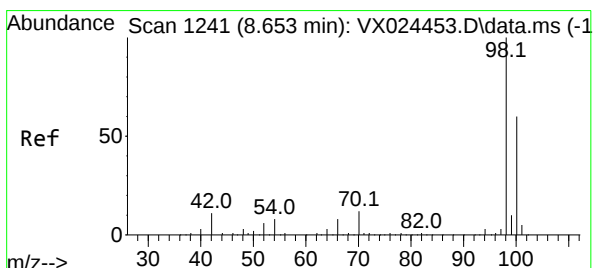
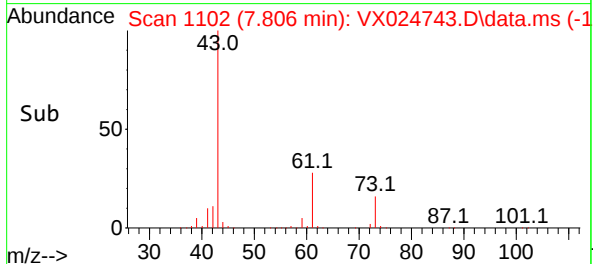
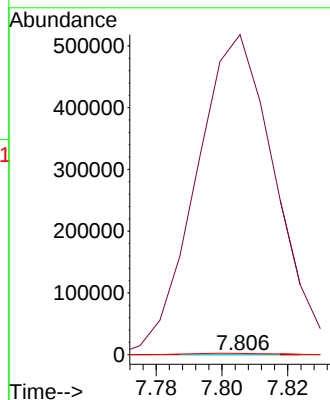
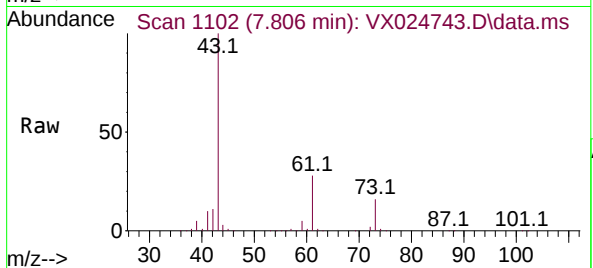
43 1349786.2 23.2 34.8#

58 6484.6 55.0 82.4#

Instrument :

MSVOA_X

ClientSampled :



#50

Toluene-d8

Concen: 52.396 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024743.D

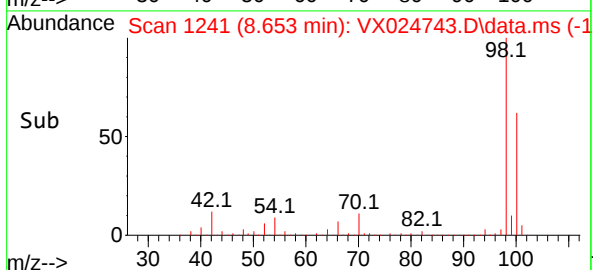
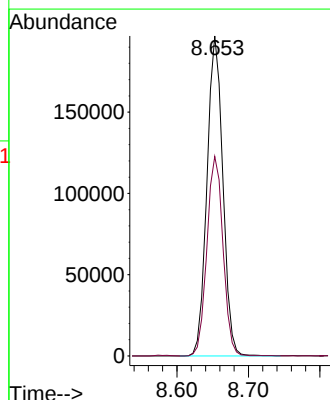
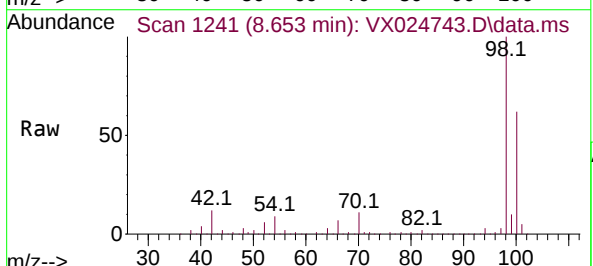
Acq: 12 Oct 2021 04:57

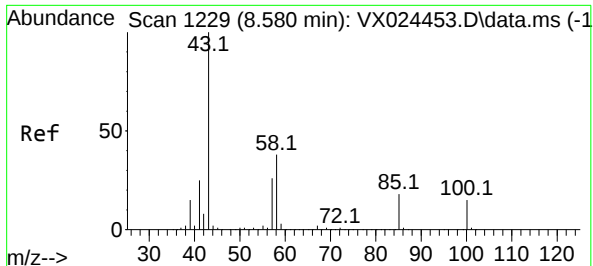
Tgt Ion: 98 Resp: 303179

Ion Ratio Lower Upper

98 100

100 63.3 51.9 77.9

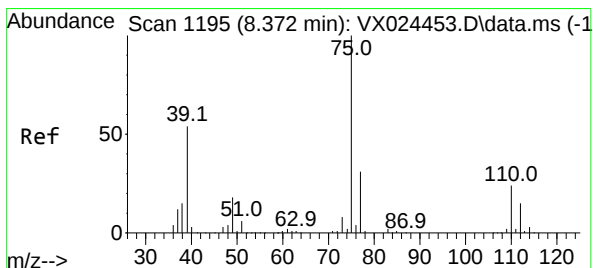
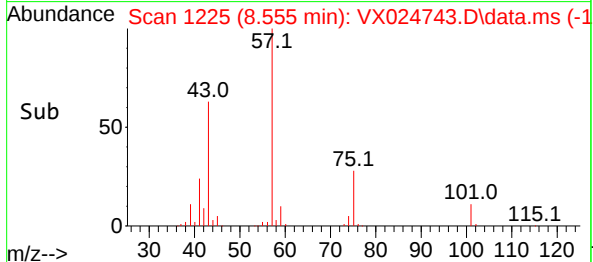
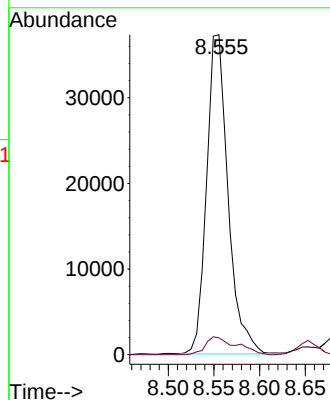
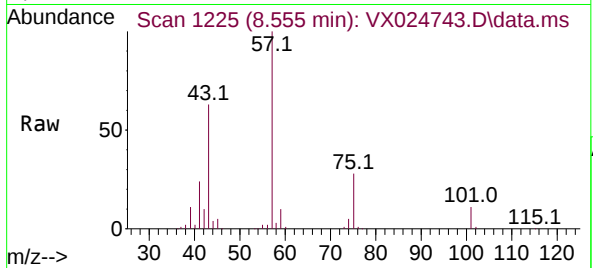




#51
4-Methyl-2-Pentanone
Concen: 21.404 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

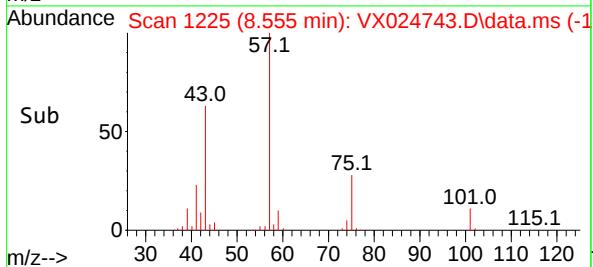
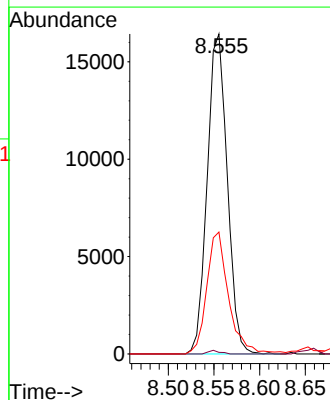
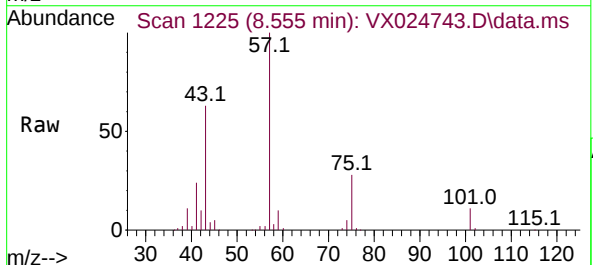
Instrument :
MSVOA_X
ClientSampled :

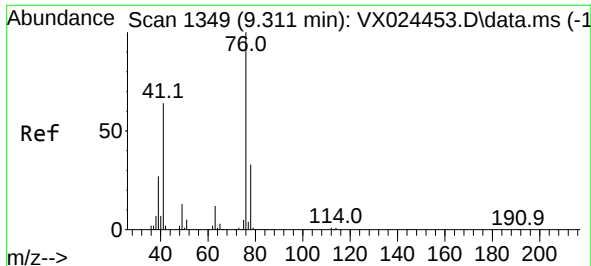
Tgt Ion: 43 Resp: 60849
Ion Ratio Lower Upper
43 100
58 8.0 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 9.436 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Tgt Ion: 75 Resp: 25013
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 38.1 35.1 52.7



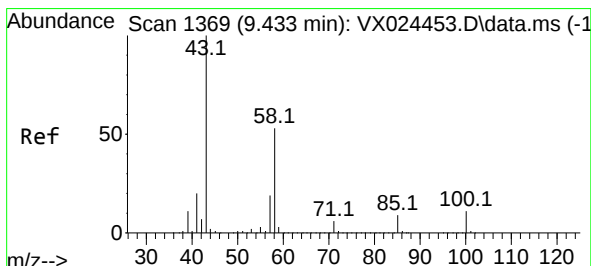
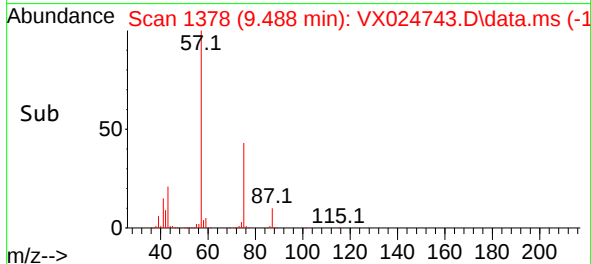
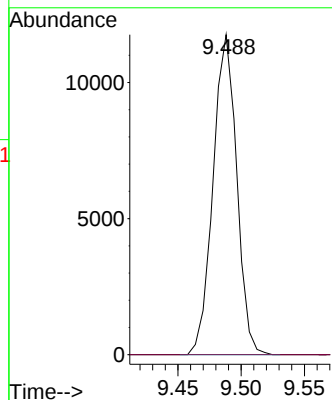
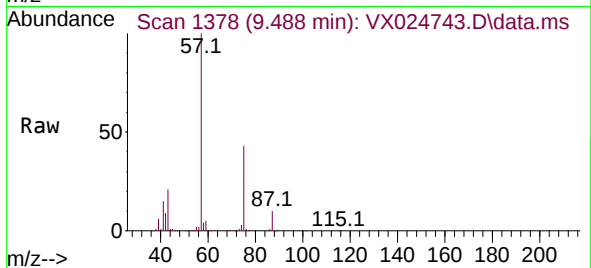


#57

1,3-Dichloropropane
Concen: 5.225 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Instrument :
MSVOA_X
ClientSampled :

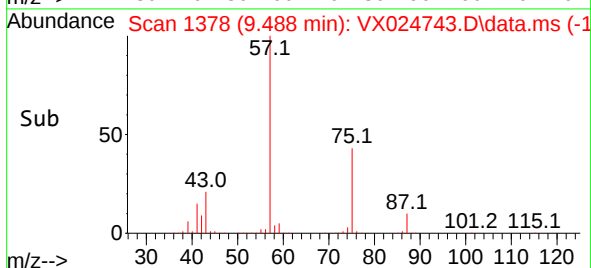
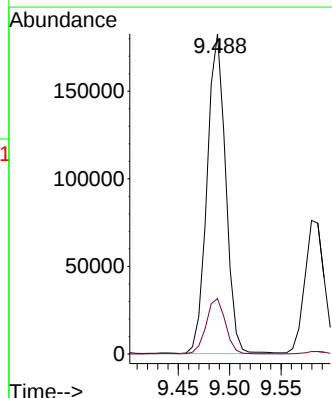
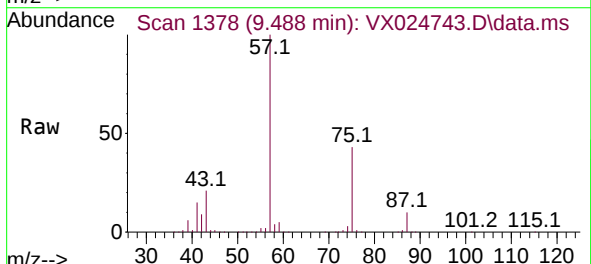
Tgt Ion: 76 Resp: 15275
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

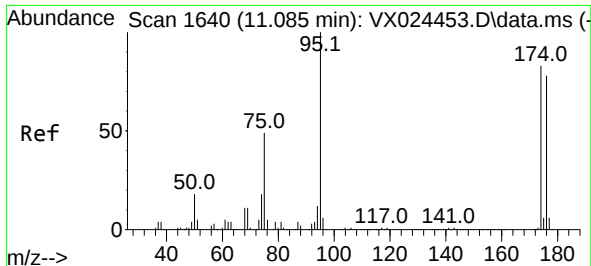


#59

2-Hexanone
Concen: 102.459 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Tgt Ion: 43 Resp: 229383
Ion Ratio Lower Upper
43 100
58 18.0 30.9 92.8#

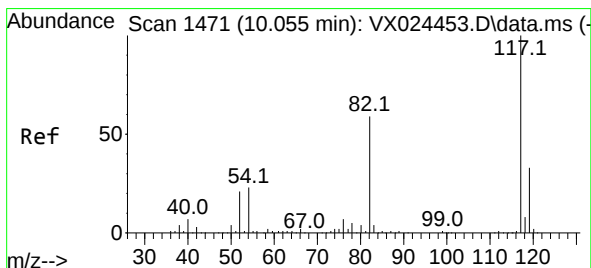
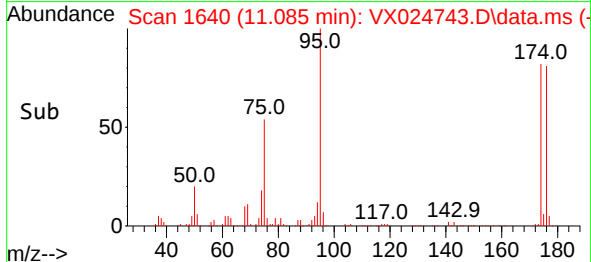
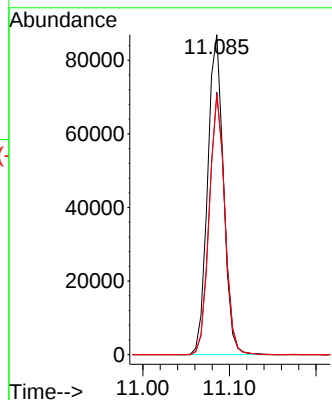
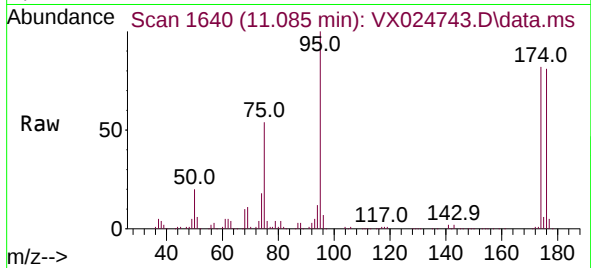




#62
4-Bromofluorobenzene
Concen: 48.477 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

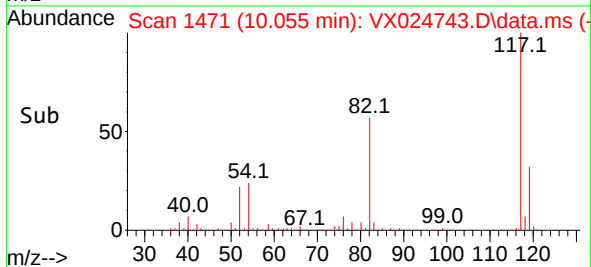
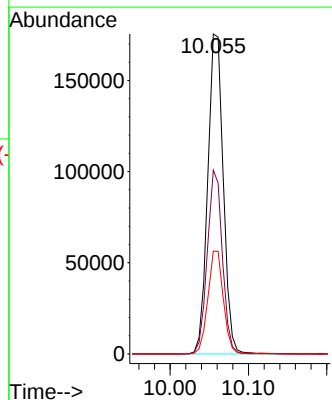
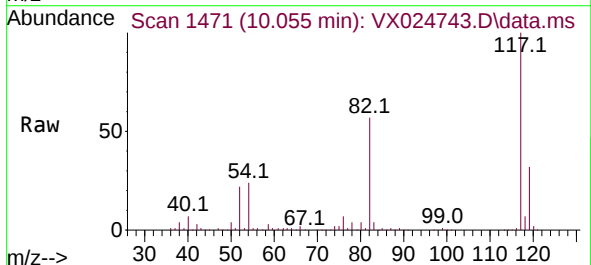
Instrument :
MSVOA_X
ClientSampleId :

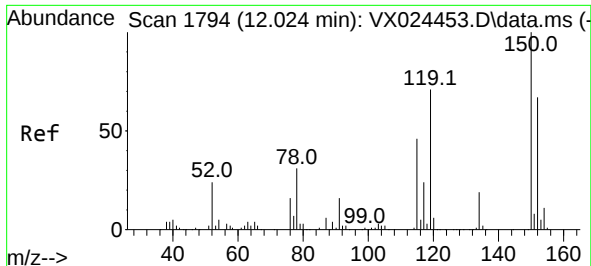
Tgt Ion: 95 Resp: 110288
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 79.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Tgt Ion: 117 Resp: 241105
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 32.1 26.6 39.8

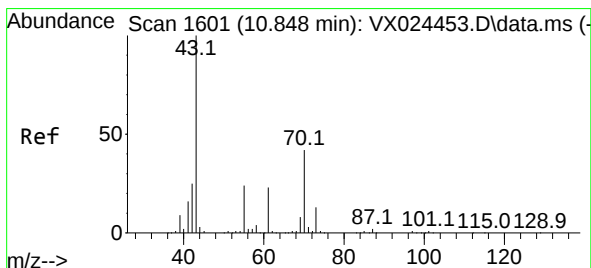
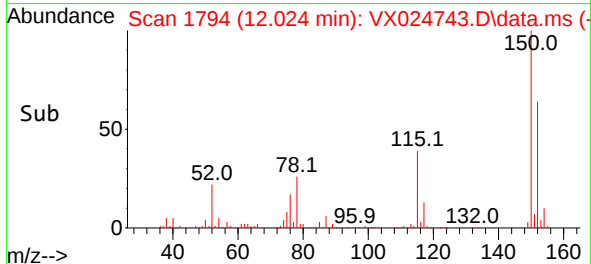
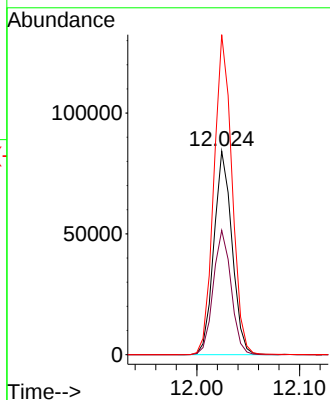
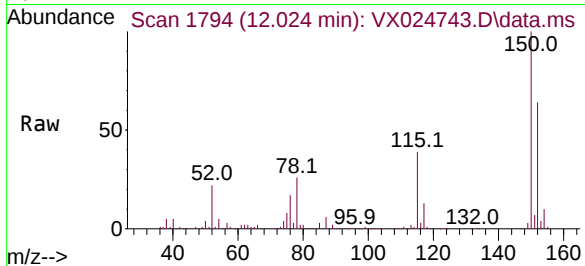




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

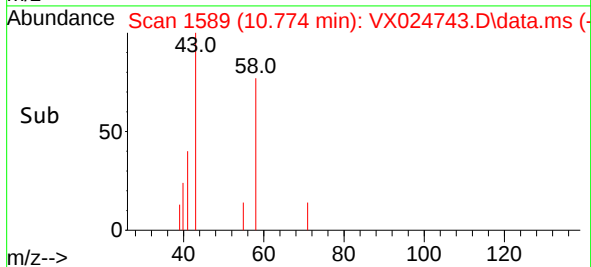
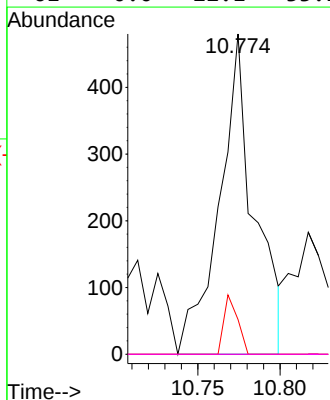
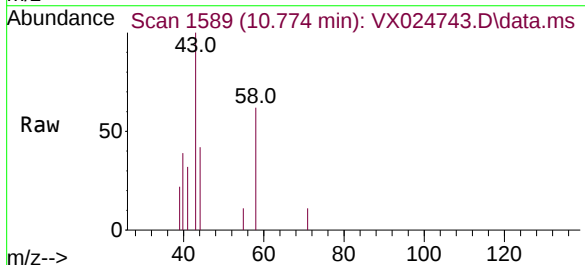
Instrument :
MSVOA_X
ClientSampled :

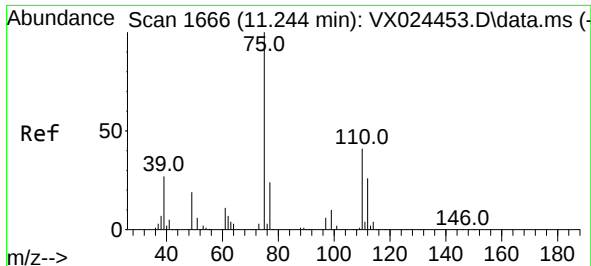
Tgt Ion:152 Resp: 102901
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 156.9 0.0 349.0



#74
N-ethyl acetate
Concen: 0.210 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 7.4 21.5 32.3#
61 0.0 22.1 33.1#

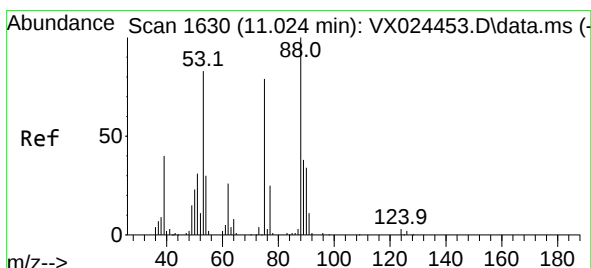
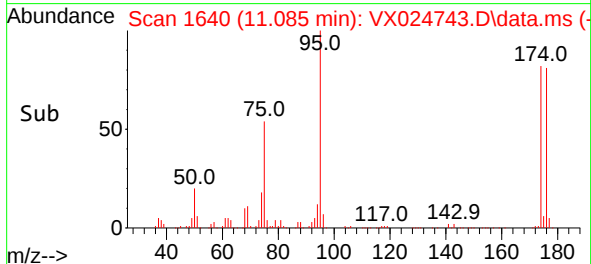
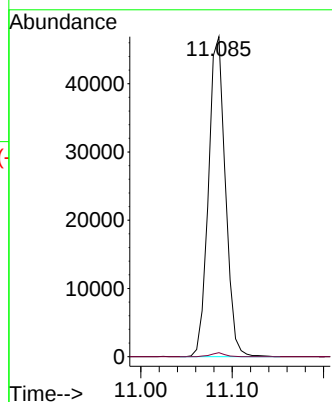
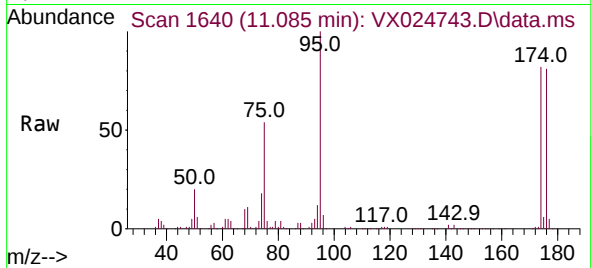




#76
1,2,3-Trichloropropane
Concen: 25.757 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 60189
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.179 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024743.D
Acq: 12 Oct 2021 04:57

Tgt Ion: 75 Resp: 60189
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

