

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020724\
 Data File : VX040159.D
 Acq On : 07 Feb 2024 18:00
 Operator : JC/MD
 Sample : P1141-12RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 08 00:35:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

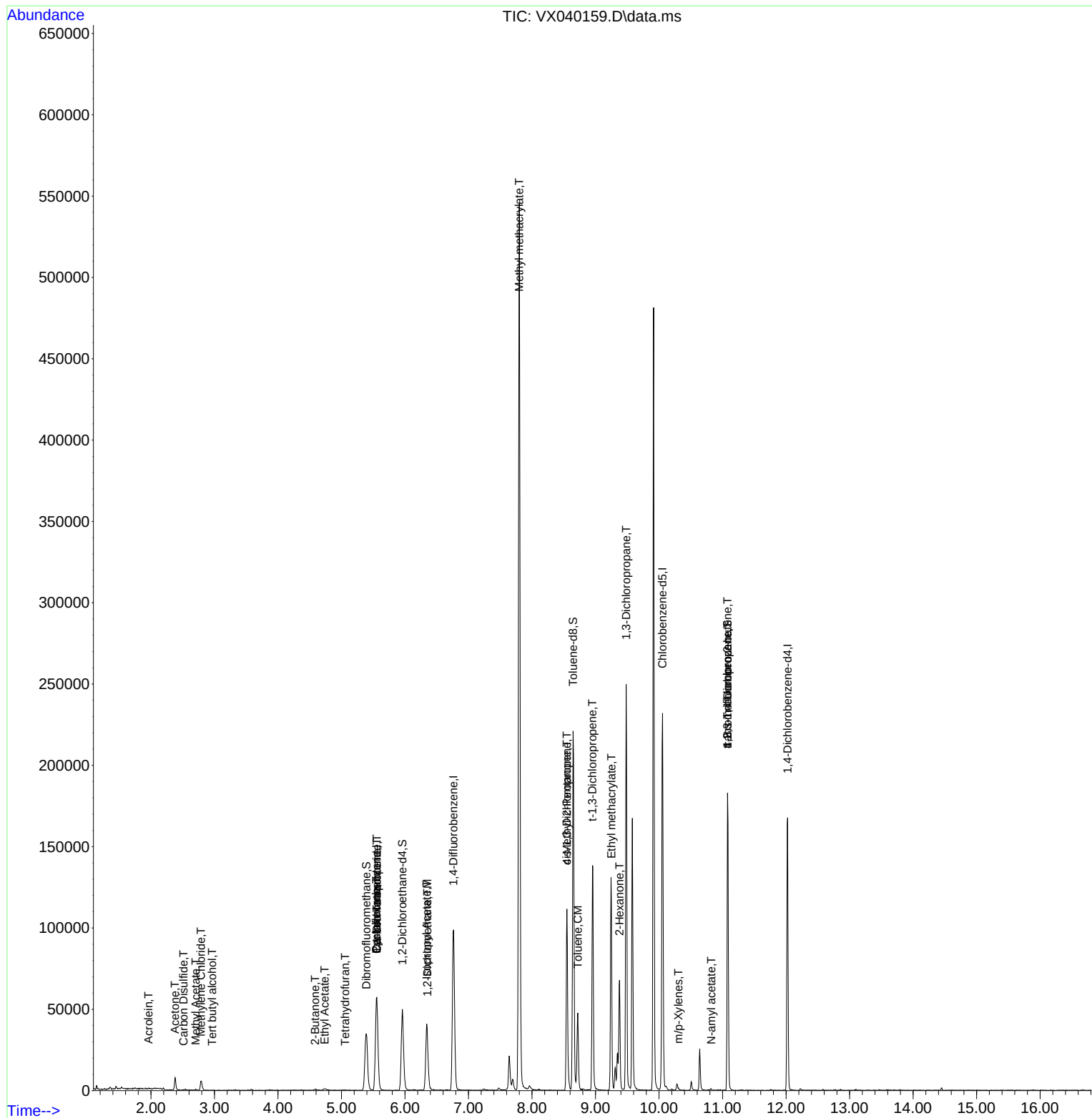
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	45782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	91631	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	91783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	29626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	45313	61.499	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	123.000%	#
35) Dibromofluoromethane	5.391	113	30330	48.624	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.240%	
50) Toluene-d8	8.647	98	121414	52.049	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	104.100%	
62) 4-Bromofluorobenzene	11.079	95	45814	51.006	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	102.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	43	0.322	ug/l #	78
13) Acrolein	1.959	56	31	0.242	ug/l #	1
16) Acetone	2.380	43	7802	22.600	ug/l	98
17) Carbon Disulfide	2.514	76	315	0.209	ug/l #	76
18) Methyl Acetate	2.703	43	785	0.960	ug/l #	66
20) Methylene Chloride	2.788	84	2684	4.375	ug/l	91
25) 2-Butanone	4.586	43	1181	2.461	ug/l	100
29) Tetrahydrofuran	5.056	42	252	0.826	ug/l #	34
31) Cyclohexane	5.550	56	1775	1.923	ug/l #	49
36) 1,1-Dichloropropene	5.556	75	5232	5.800	ug/l #	48
37) Ethyl Acetate	4.733	43	2466	2.503	ug/l #	82
38) Carbon Tetrachloride	5.556	117	5958	6.902	ug/l #	16
42) 1,2-Dichloroethane	6.354	62	209	0.207	ug/l #	77
43) Isopropyl Acetate	6.342	43	55638	35.811	ug/l	96
48) Methyl methacrylate	7.799	41	47987	62.700	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	40713	38.388	ug/l #	49
52) Toluene	8.720	92	16134	9.852	ug/l	95
53) t-1,3-Dichloropropene	8.951	75	317	0.330	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15642	15.240	ug/l #	71
56) Ethyl methacrylate	9.250	69	229	0.231	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1940	1.737	ug/l #	42
59) 2-Hexanone	9.378	43	51942	61.425	ug/l #	26
68) m/p-Xylenes	10.305	106	363	0.283	ug/l	95
74) N-amyl acetate	10.823	43	260	0.468	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	28228	44.743	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	28228	118.604	ug/l #	5

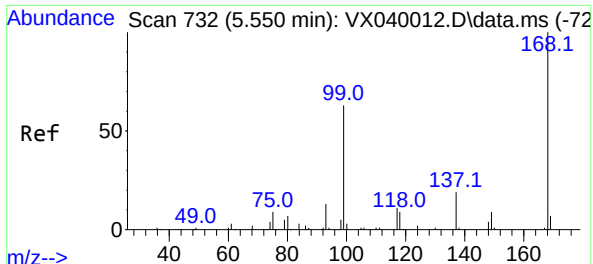
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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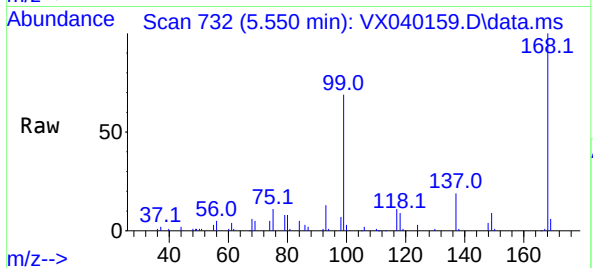
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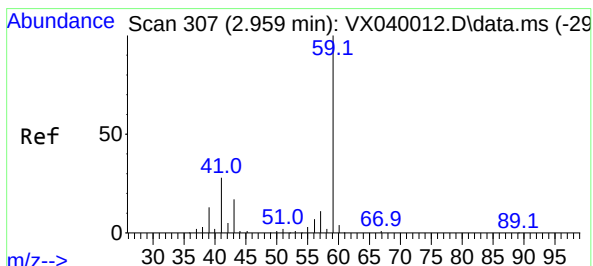
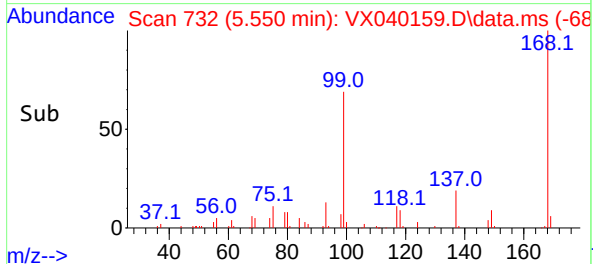
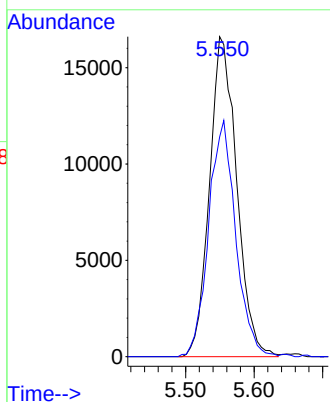


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

Instrument :
MSVOA_X
ClientSampleId :

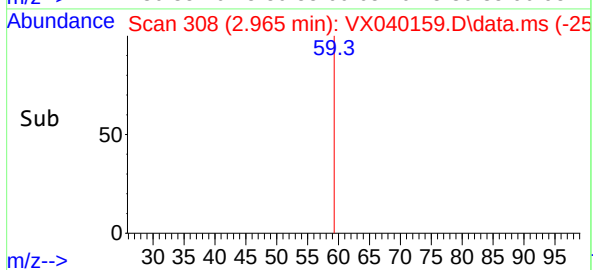
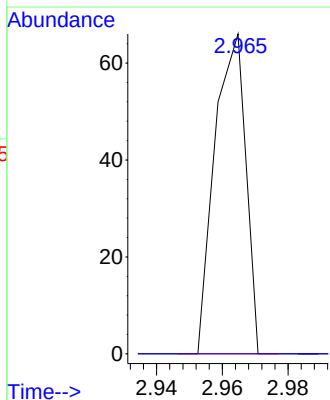
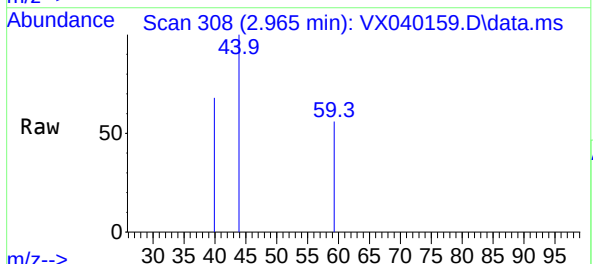


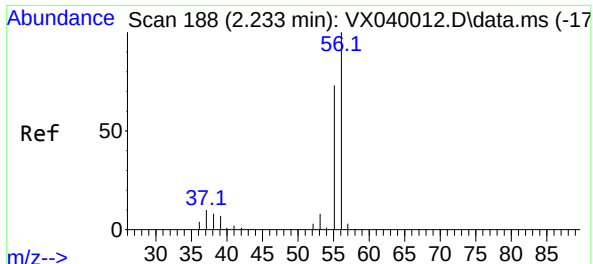
Tgt Ion:168 Resp: 45782
Ion Ratio Lower Upper
168 100
99 68.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.322 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 59 Resp: 43
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

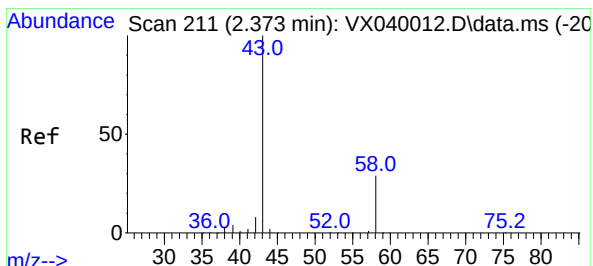
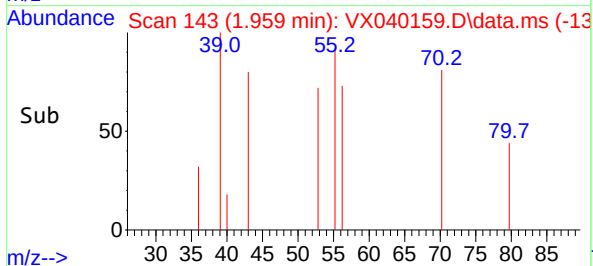
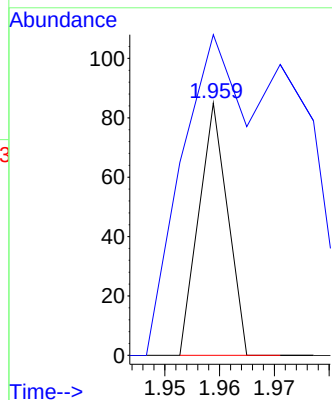
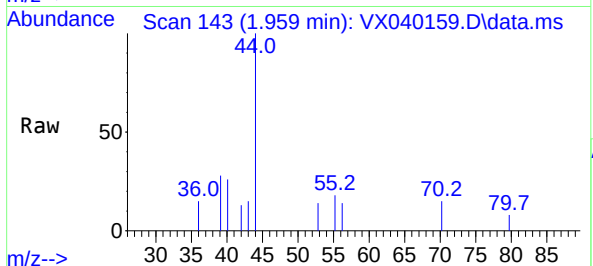




#13
Acrolein
Concen: 0.242 ug/l
RT: 1.959 min Scan# 14
Delta R.T. -0.274 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

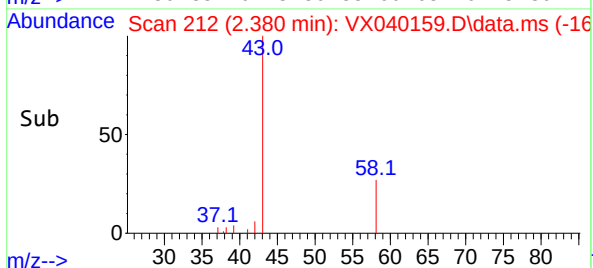
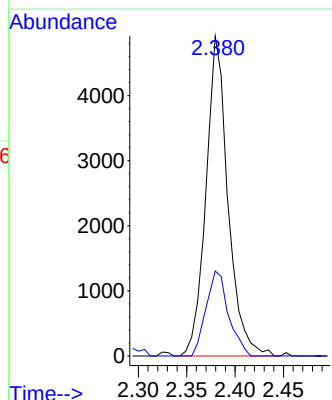
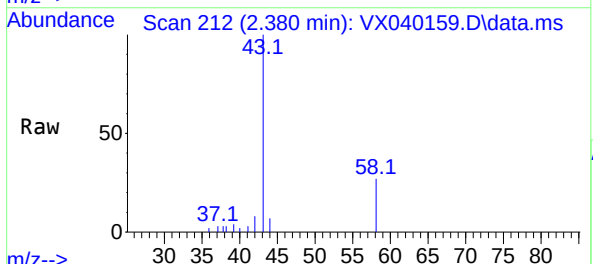
Instrument :
MSVOA_X
ClientSampleId :

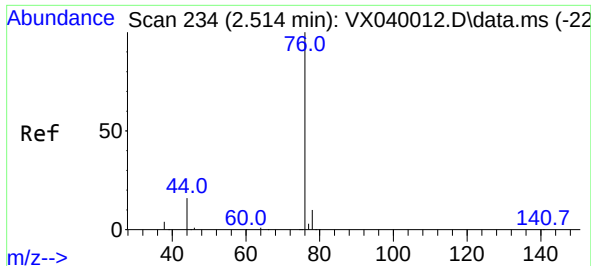
Tgt Ion: 56 Resp: 31
Ion Ratio Lower Upper
56 100
55 503.2 57.1 85.7#



#16
Acetone
Concen: 22.600 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

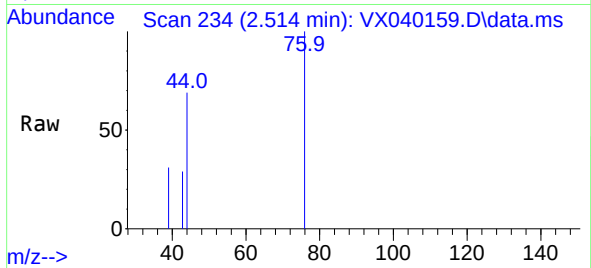
Tgt Ion: 43 Resp: 7802
Ion Ratio Lower Upper
43 100
58 26.5 21.9 32.9



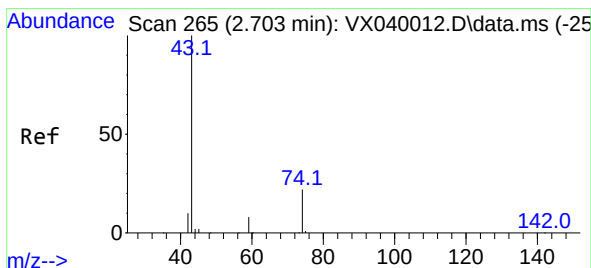
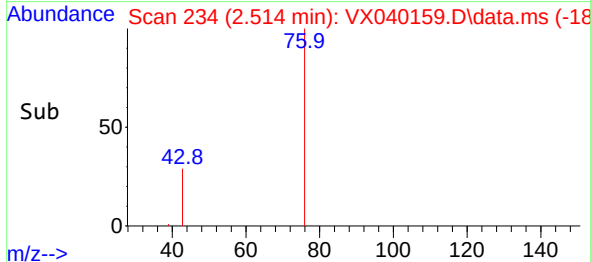
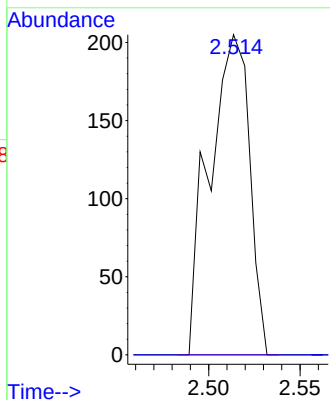


#17
Carbon Disulfide
Concen: 0.209 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

Instrument :
MSVOA_X
ClientSampleId :

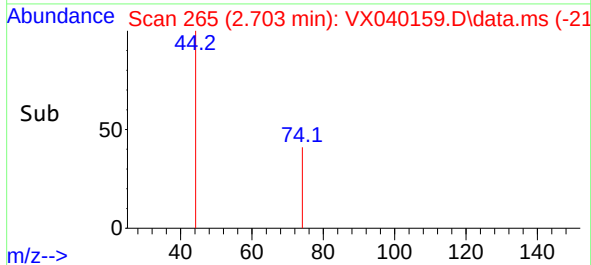
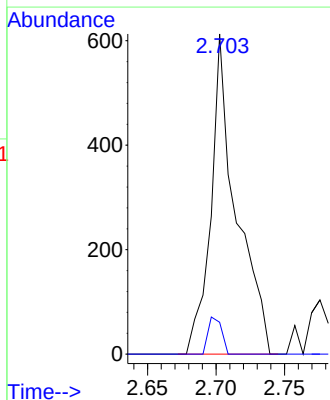
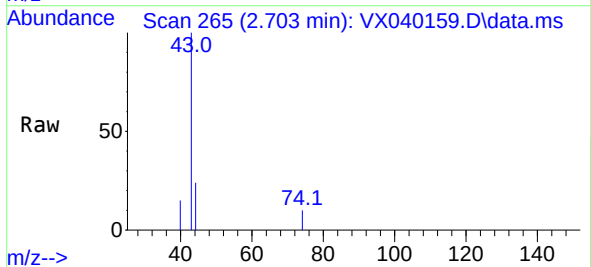


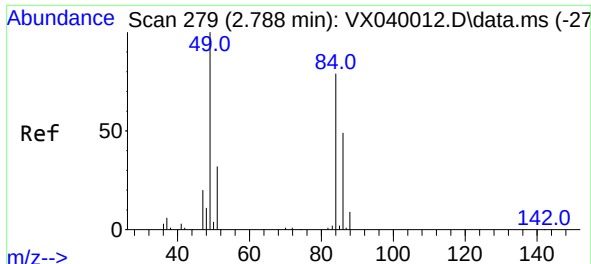
Tgt Ion: 76 Resp: 315
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.960 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

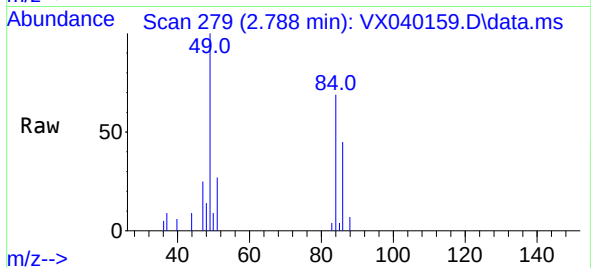
Tgt Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
74 6.1 17.8 26.8#





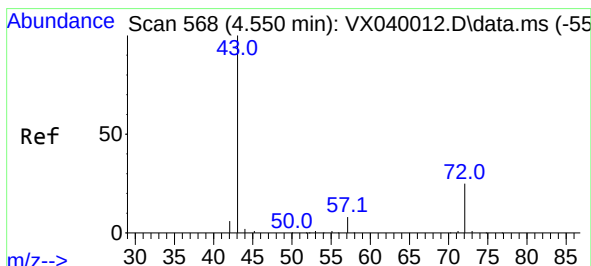
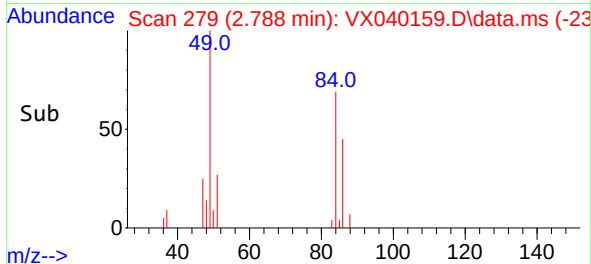
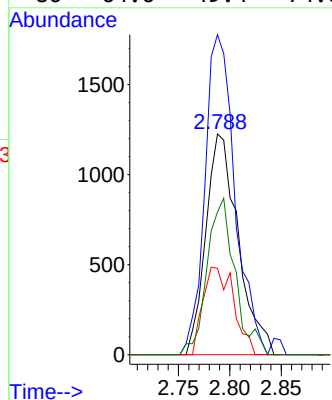
#20
Methylene Chloride
Concen: 4.375 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 2684

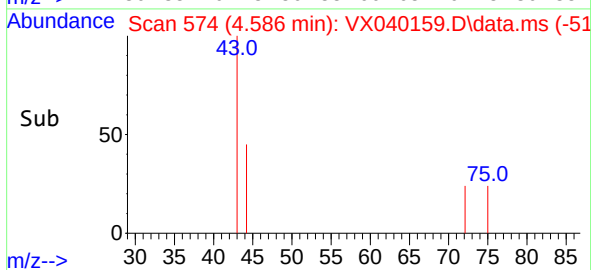
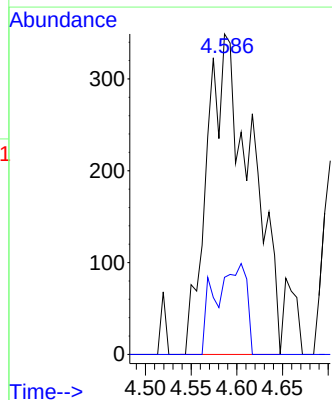
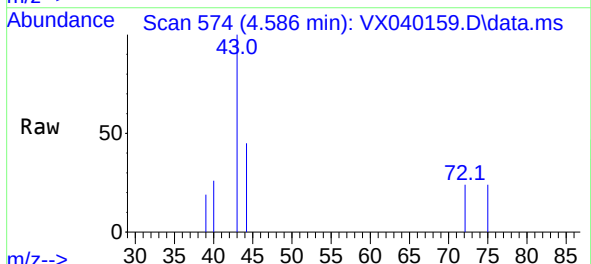
Ion	Ratio	Lower	Upper
84	100		
49	144.9	103.6	155.4
51	39.2	33.8	50.6
86	64.6	49.4	74.0

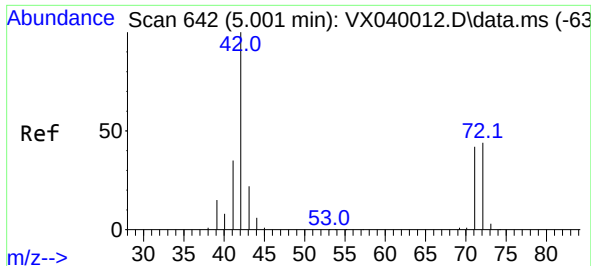


#25
2-Butanone
Concen: 2.461 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.036 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 43 Resp: 1181

Ion	Ratio	Lower	Upper
43	100		
72	24.1	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.826 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.055 min

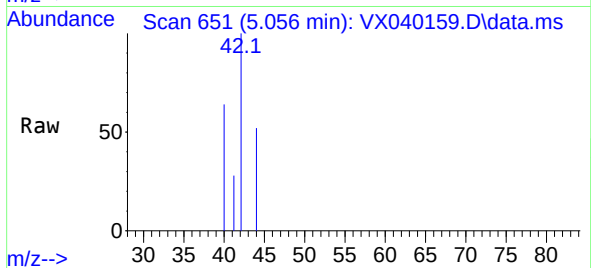
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Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :



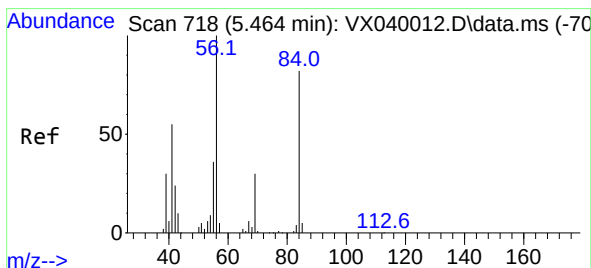
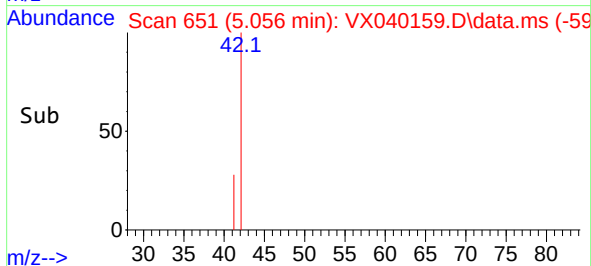
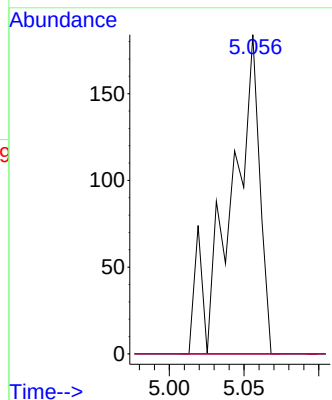
Tgt Ion: 42 Resp: 252

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.923 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX040159.D

Acq: 07 Feb 2024 18:00

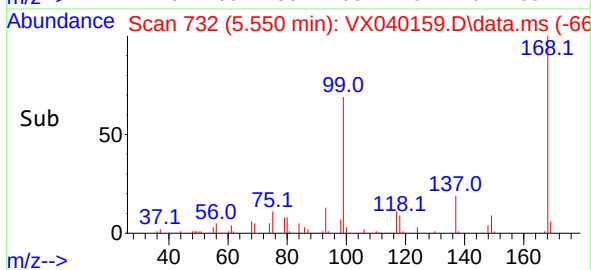
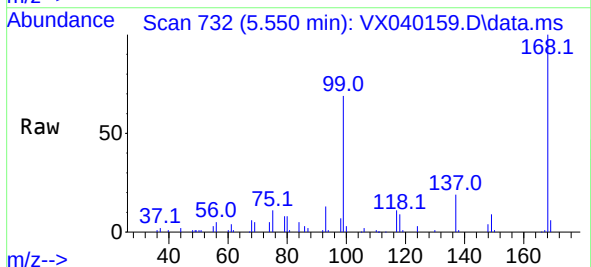
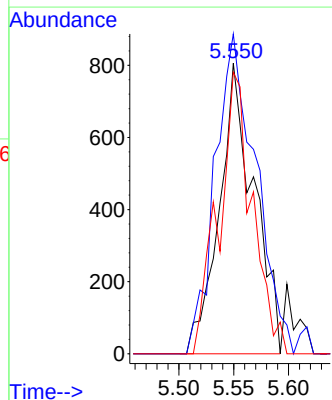
Tgt Ion: 56 Resp: 1775

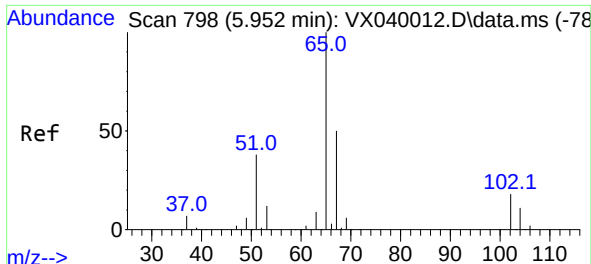
Ion Ratio Lower Upper

56 100

69 110.0 23.4 35.2#

84 96.9 65.9 98.9

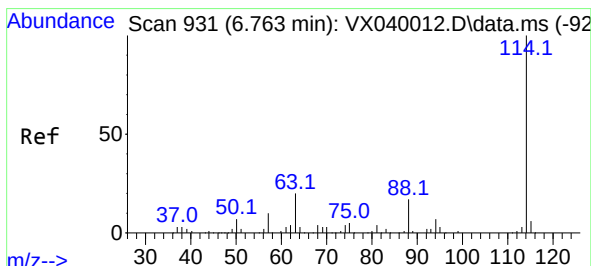
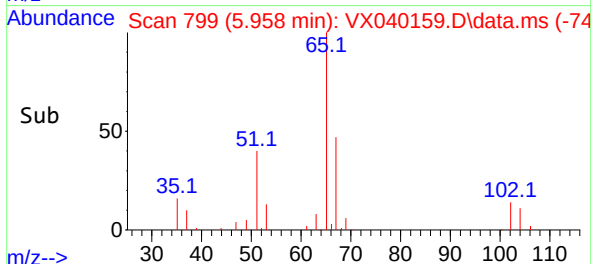
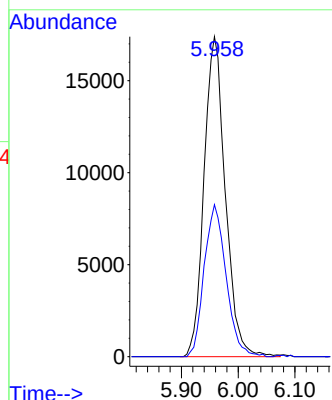
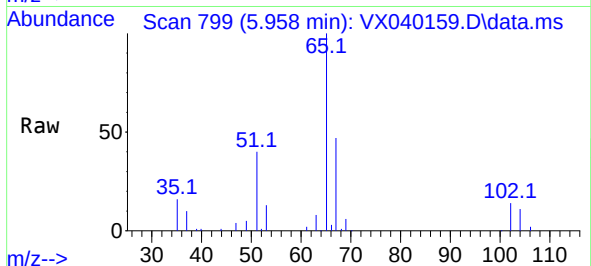




#33
1,2-Dichloroethane-d4
Concen: 61.499 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

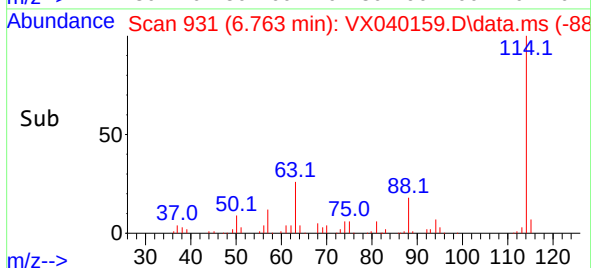
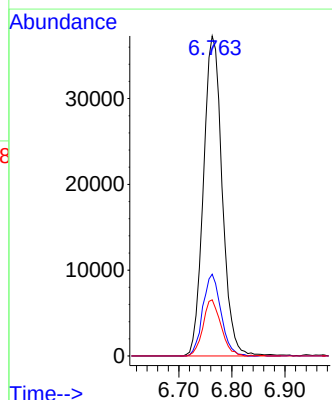
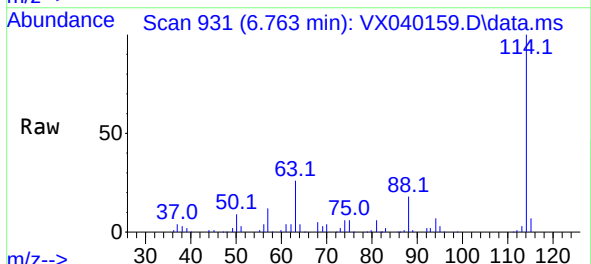
Instrument :
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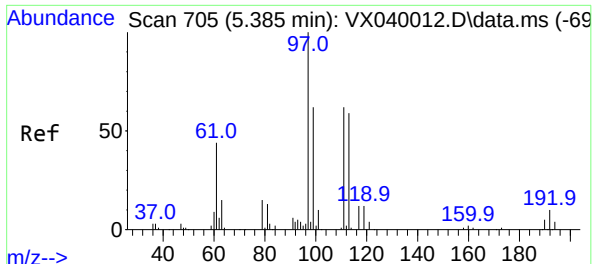
Tgt Ion: 65 Resp: 45313
Ion Ratio Lower Upper
65 100
67 49.0 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 114 Resp: 91631
Ion Ratio Lower Upper
114 100
63 25.6 0.0 45.0
88 17.5 0.0 36.6





#35

Dibromofluoromethane

Concen: 48.624 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX040159.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

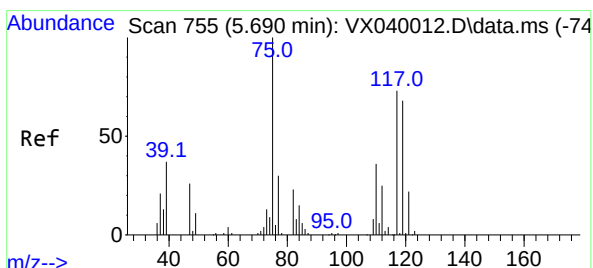
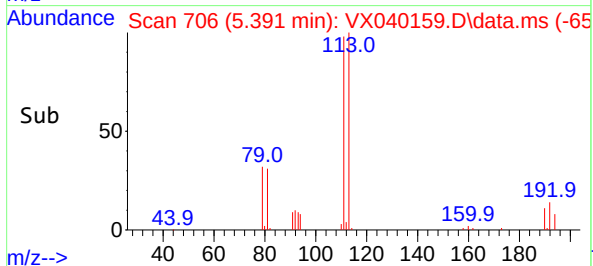
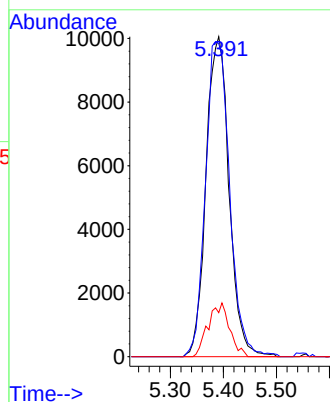
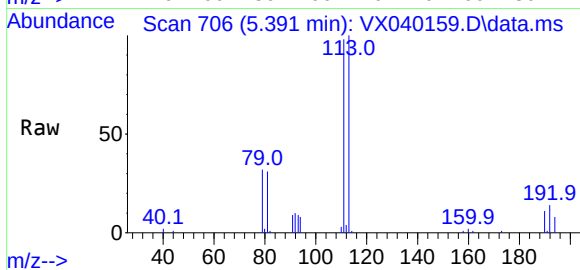
Tgt Ion:113 Resp: 30330

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

192 15.6 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.800 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX040159.D

Acq: 07 Feb 2024 18:00

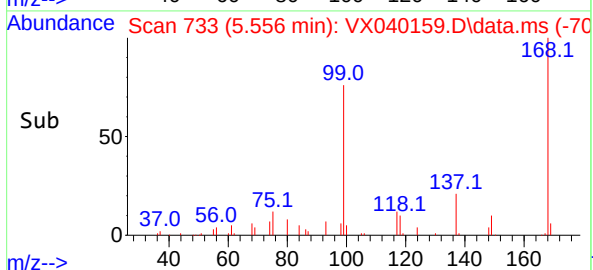
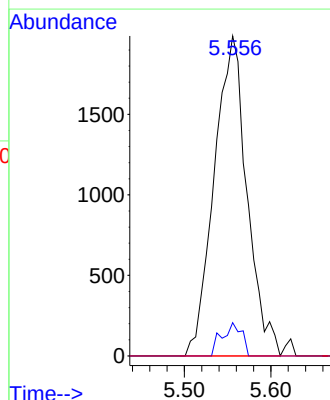
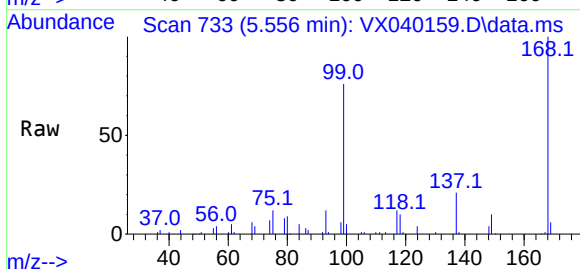
Tgt Ion: 75 Resp: 5232

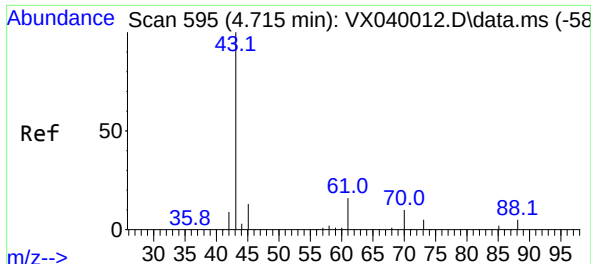
Ion Ratio Lower Upper

75 100

110 6.2 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.503 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

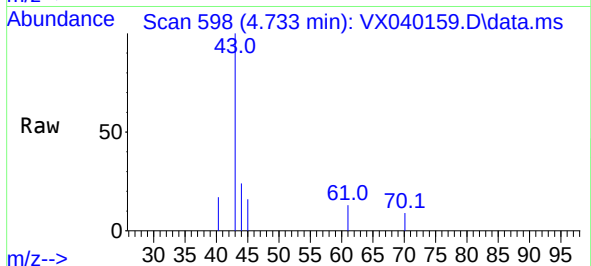
Lab File: VX040159.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :



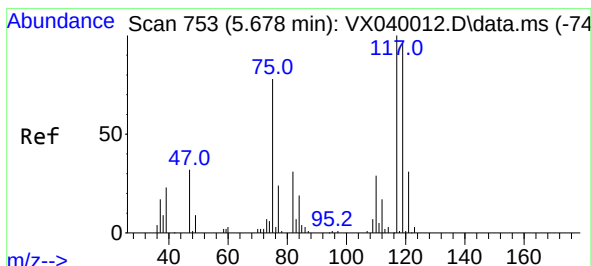
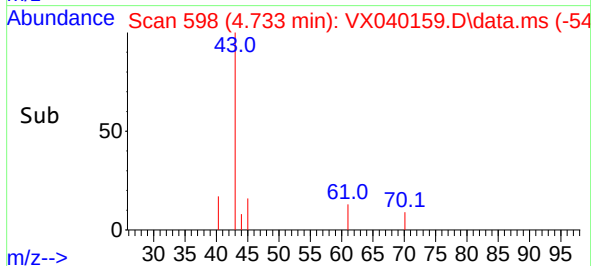
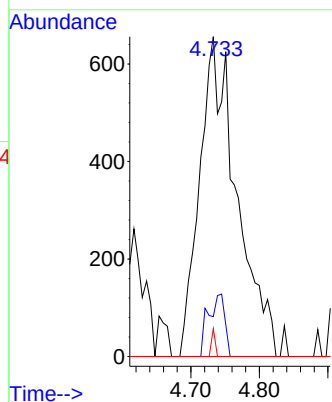
Tgt Ion: 43 Resp: 2466

Ion Ratio Lower Upper

43 100

61 8.6 10.6 16.0#

70 0.9 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.902 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX040159.D

Acq: 07 Feb 2024 18:00

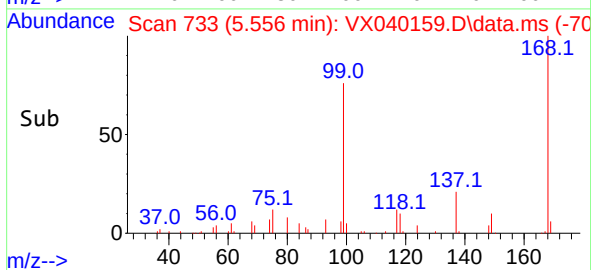
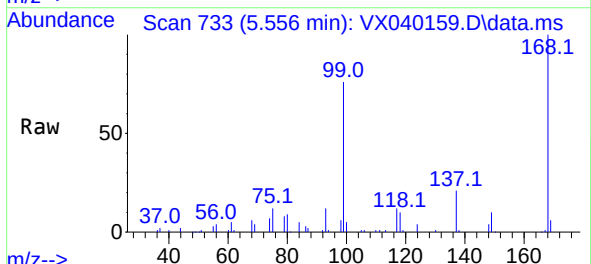
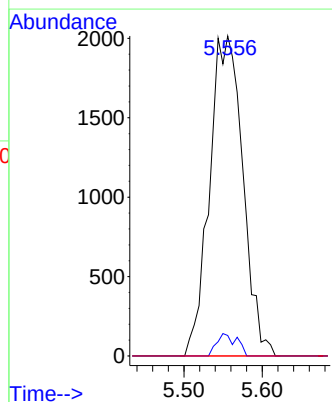
Tgt Ion: 117 Resp: 5958

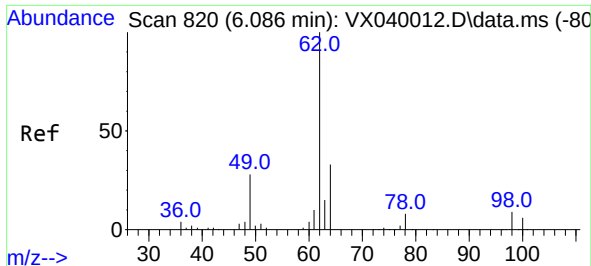
Ion Ratio Lower Upper

117 100

119 6.4 78.2 117.2#

121 0.0 24.4 36.6#

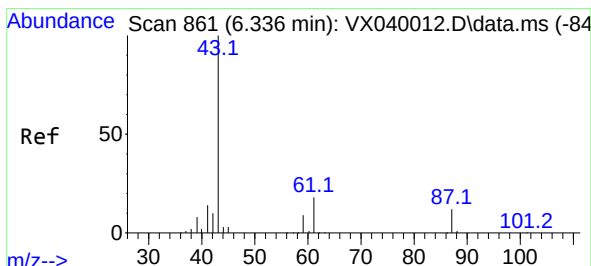
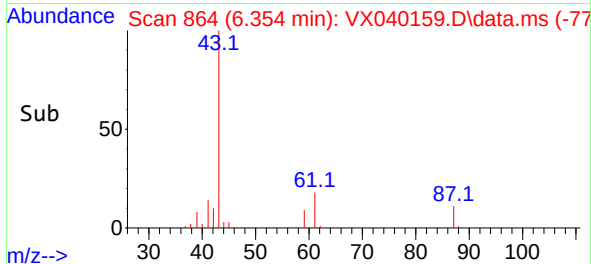
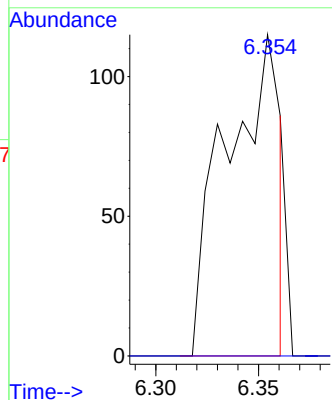
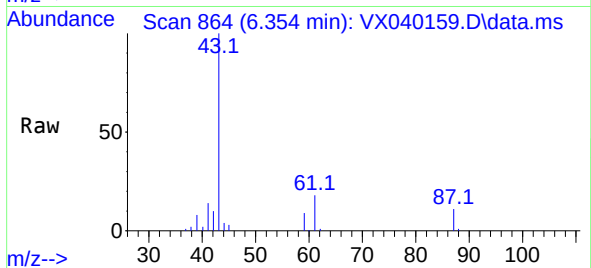




#42
1,2-Dichloroethane
Concen: 0.207 ug/l
RT: 6.354 min Scan# 80
Delta R.T. 0.268 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

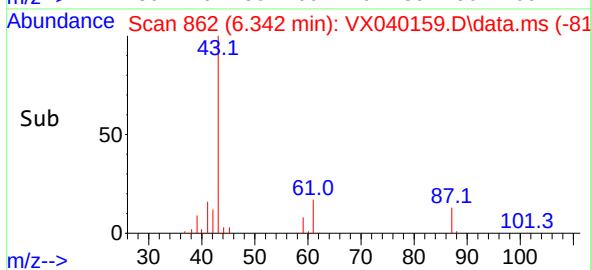
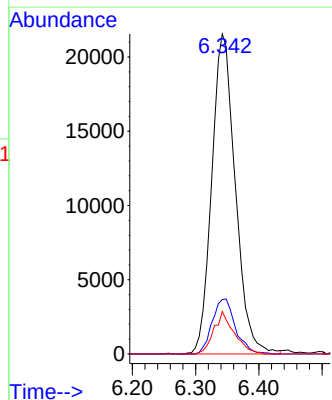
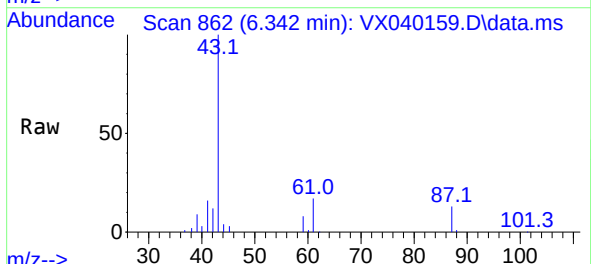
Instrument :
MSVOA_X
ClientSampleId :

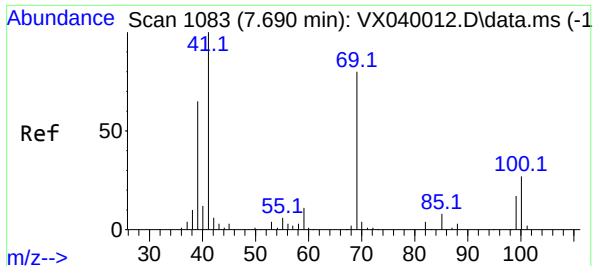
Tgt Ion: 62 Resp: 209
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0



#43
Isopropyl Acetate
Concen: 35.811 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 43 Resp: 55638
Ion Ratio Lower Upper
43 100
61 16.9 15.2 22.8
87 11.4 9.8 14.6





#48

Methyl methacrylate

Concen: 62.700 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX040159.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

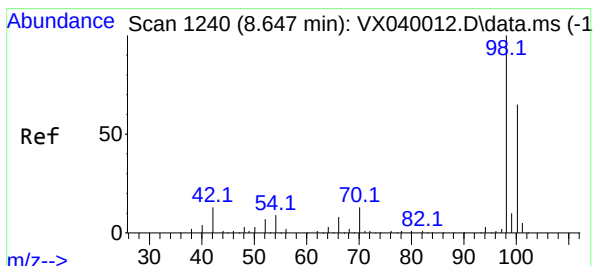
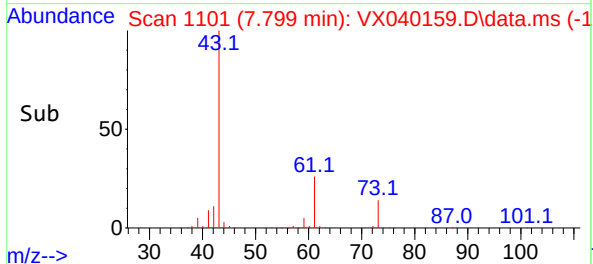
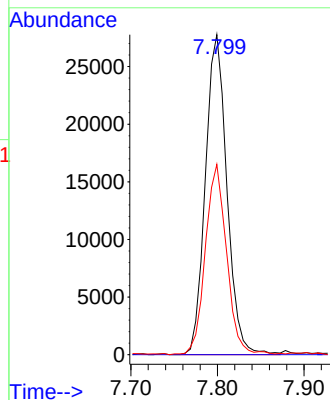
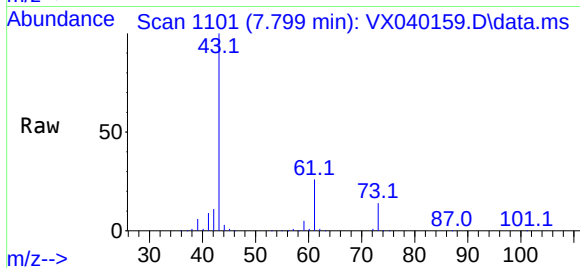
Tgt Ion: 41 Resp: 47987

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 58.8 47.7 71.5



#50

Toluene-d8

Concen: 52.049 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX040159.D

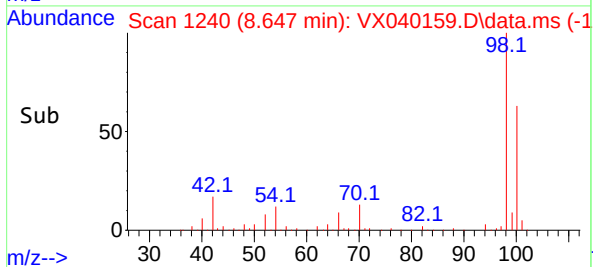
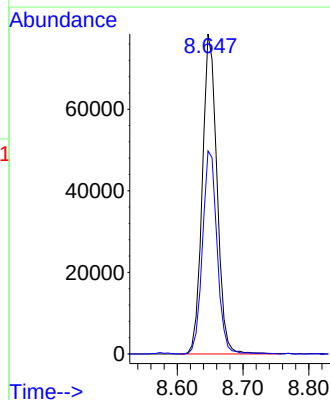
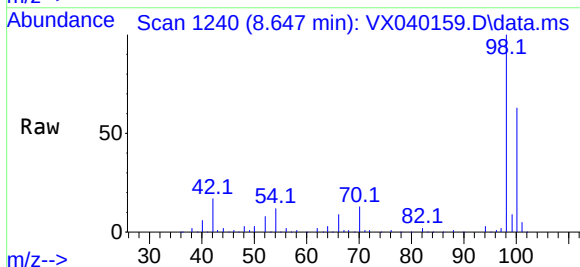
Acq: 07 Feb 2024 18:00

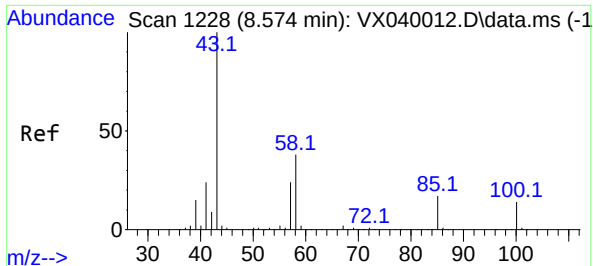
Tgt Ion: 98 Resp: 121414

Ion Ratio Lower Upper

98 100

100 63.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 38.388 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX040159.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_X

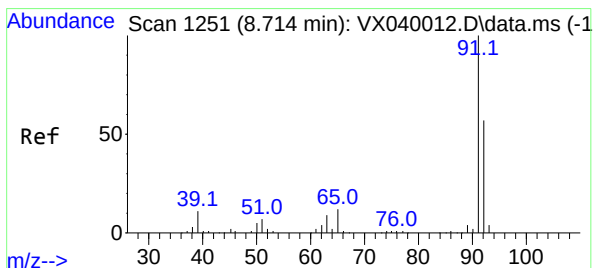
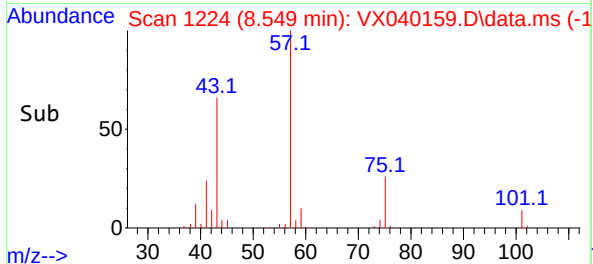
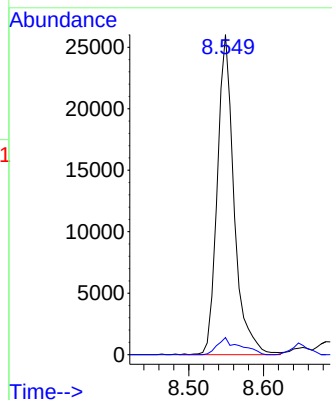
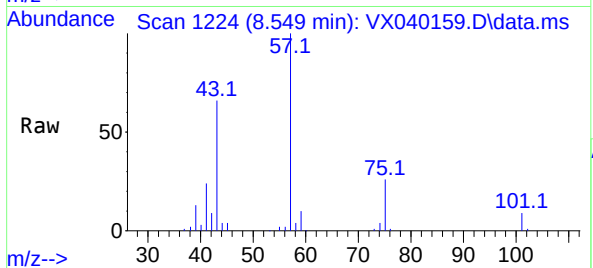
ClientSampleId :

Tgt Ion: 43 Resp: 40713

Ion Ratio Lower Upper

43 100

58 7.0 30.4 45.6#



#52

Toluene

Concen: 9.852 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX040159.D

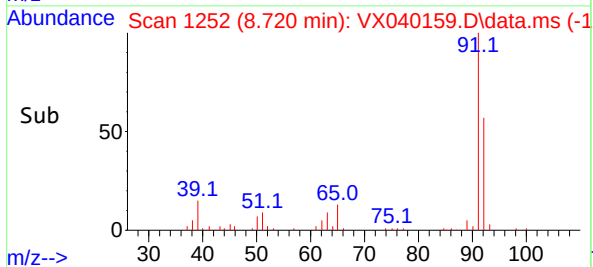
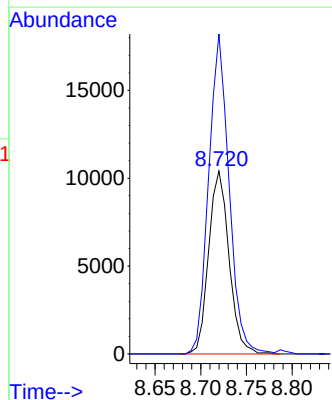
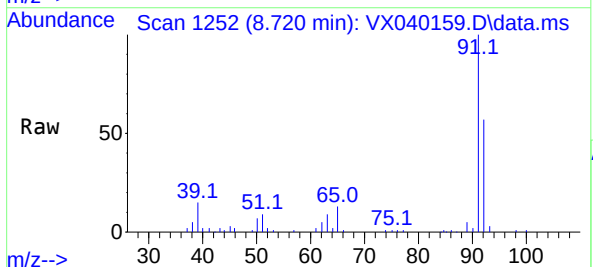
Acq: 07 Feb 2024 18:00

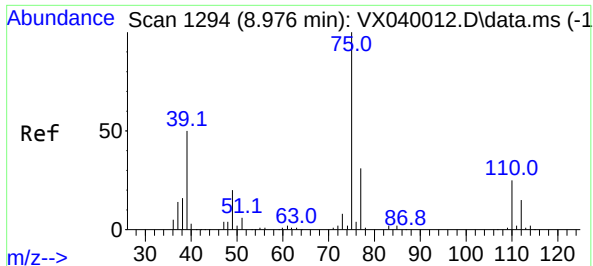
Tgt Ion: 92 Resp: 16134

Ion Ratio Lower Upper

92 100

91 174.5 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 0.330 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX040159.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_X

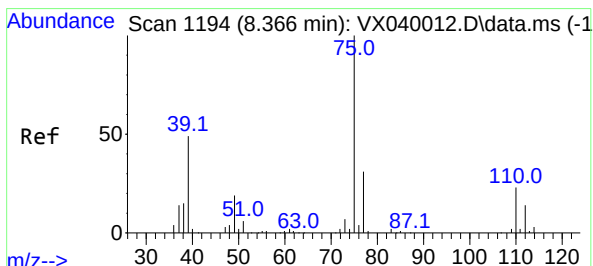
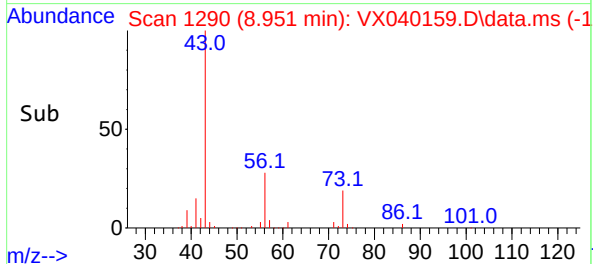
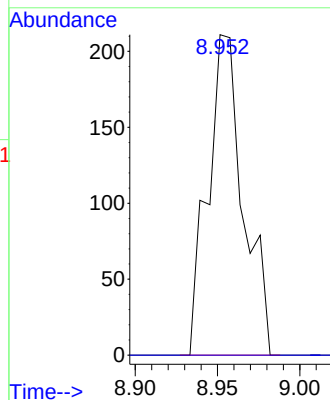
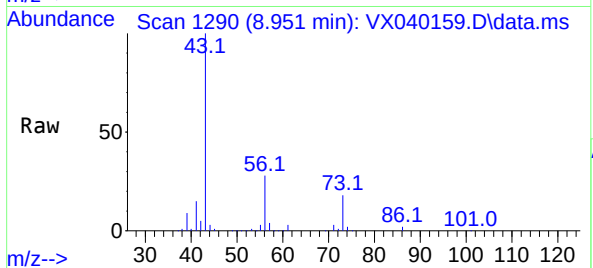
ClientSampleId :

Tgt Ion: 75 Resp: 317

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 15.240 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX040159.D

Acq: 07 Feb 2024 18:00

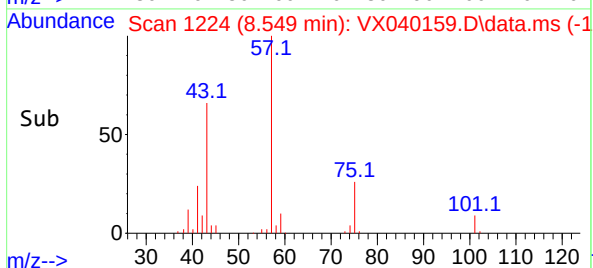
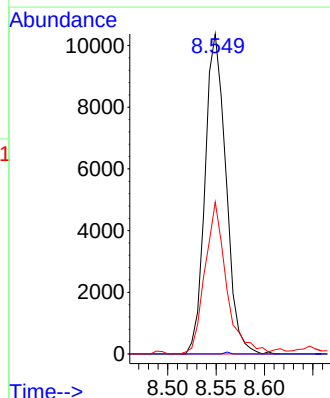
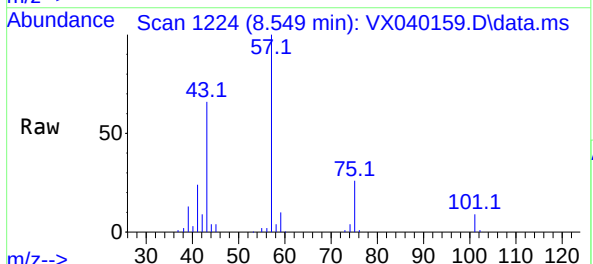
Tgt Ion: 75 Resp: 15642

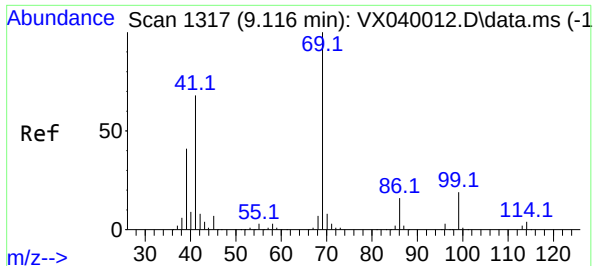
Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 47.5 46.7 70.1





#56

Ethyl methacrylate

Concen: 0.231 ug/l

RT: 9.250 min Scan# 11

Delta R.T. 0.134 min

Lab File: VX040159.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

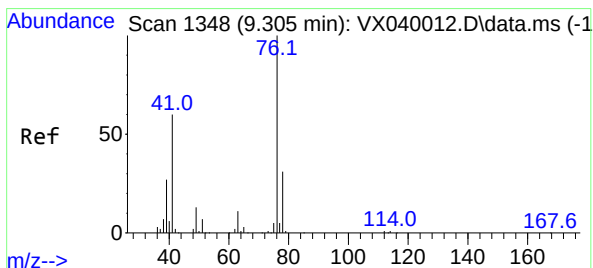
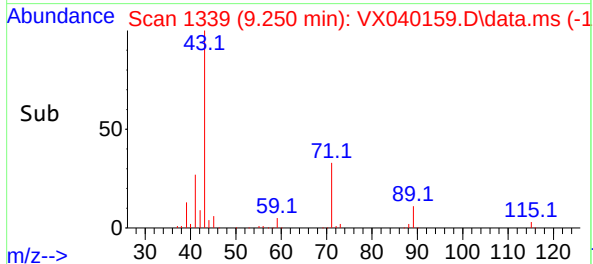
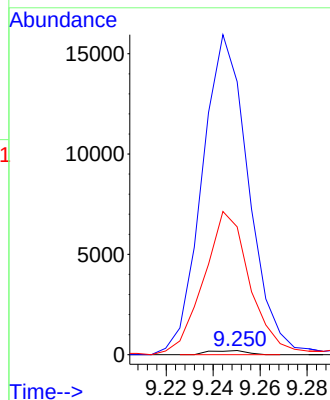
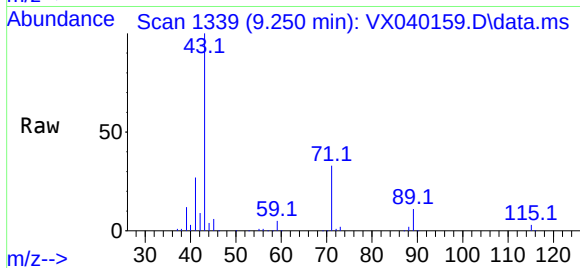
Tgt Ion: 69 Resp: 229

Ion Ratio Lower Upper

69 100

41 9668.6 56.8 85.2#

39 4322.3 32.0 48.0#



#57

1,3-Dichloropropane

Concen: 1.737 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX040159.D

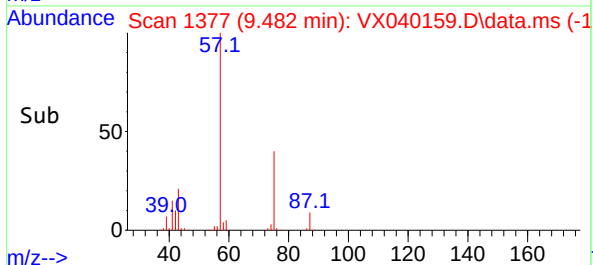
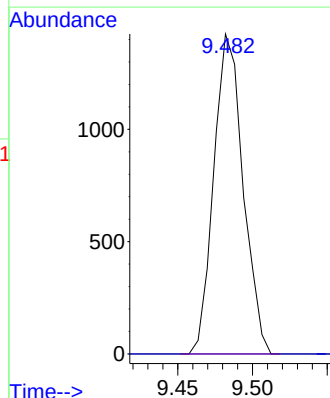
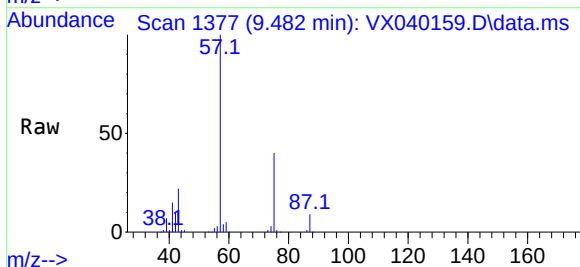
Acq: 07 Feb 2024 18:00

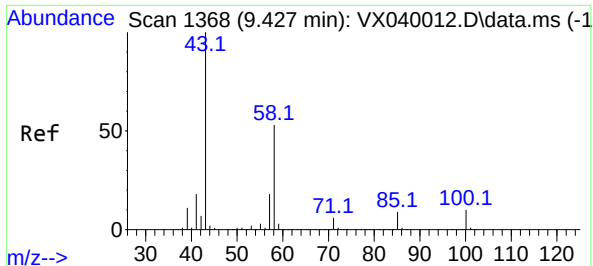
Tgt Ion: 76 Resp: 1940

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 61.425 ug/l

RT: 9.378 min Scan# 1

Delta R.T. -0.049 min

Lab File: VX040159.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_X

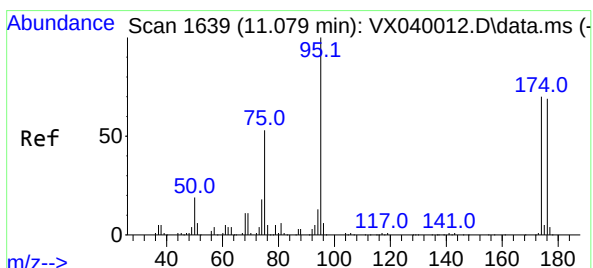
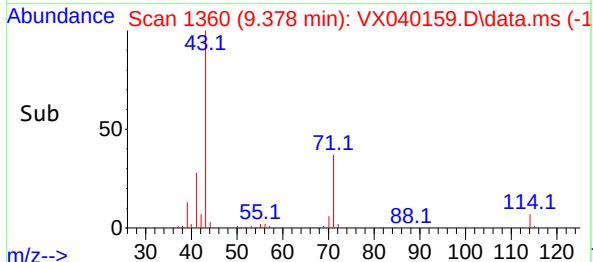
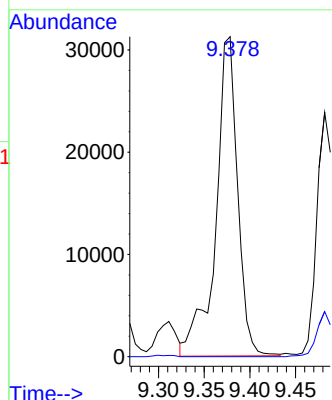
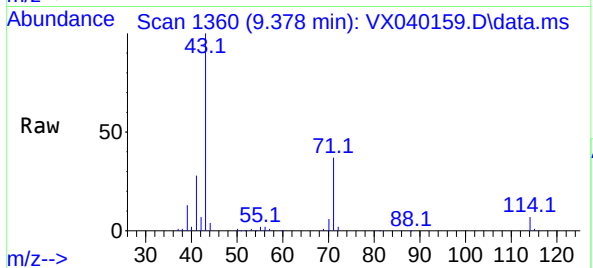
ClientSampleId :

Tgt Ion: 43 Resp: 51942

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 51.006 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX040159.D

Acq: 07 Feb 2024 18:00

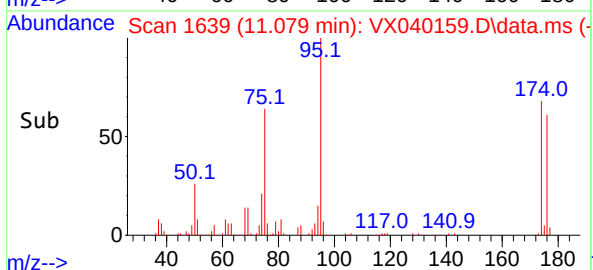
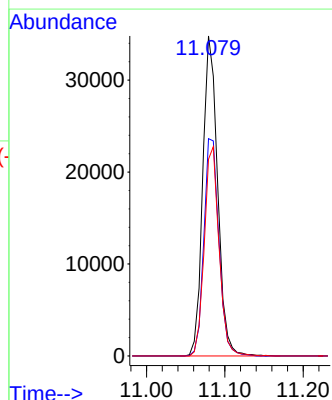
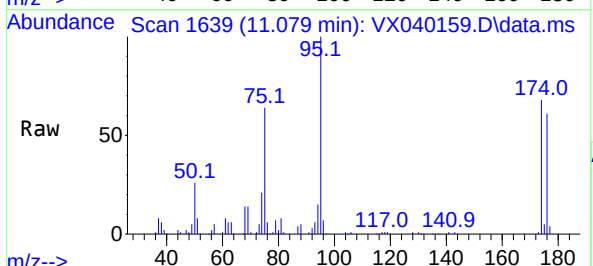
Tgt Ion: 95 Resp: 45814

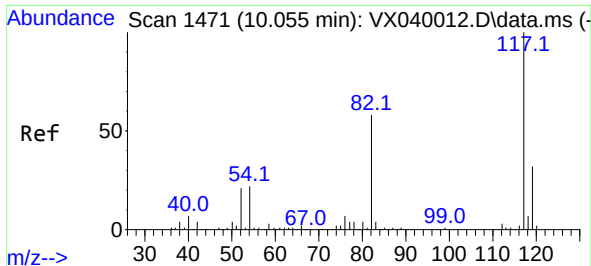
Ion Ratio Lower Upper

95 100

174 68.6 0.0 135.6

176 64.9 0.0 131.0

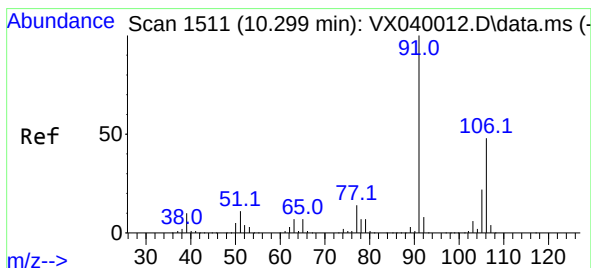
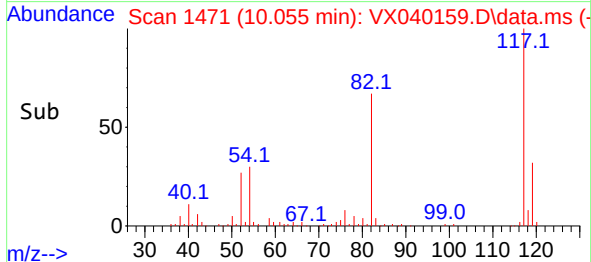
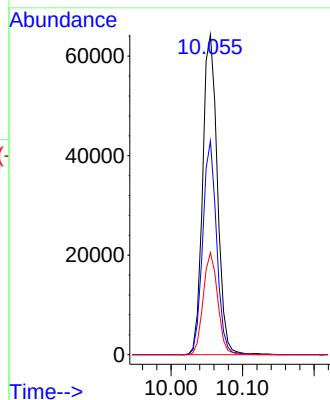
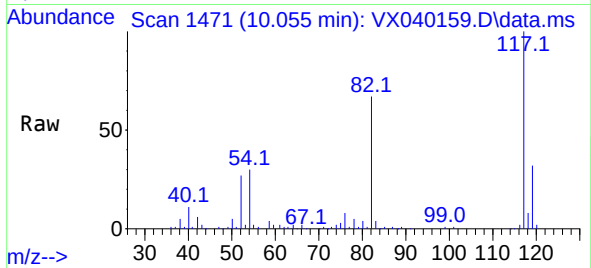




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

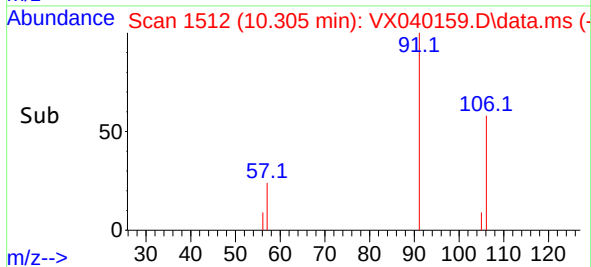
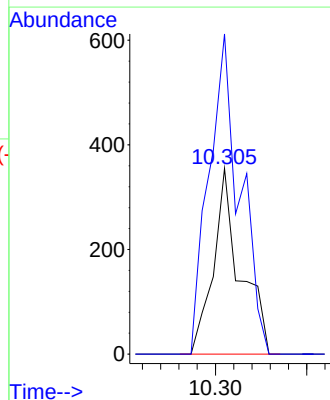
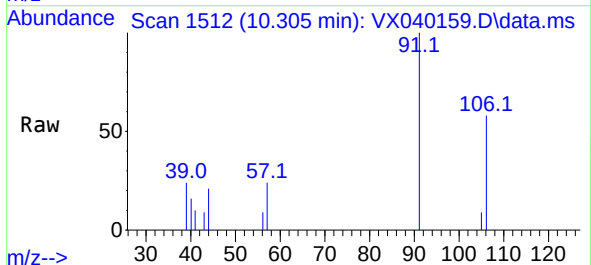
Instrument :
MSVOA_X
ClientSampleId :

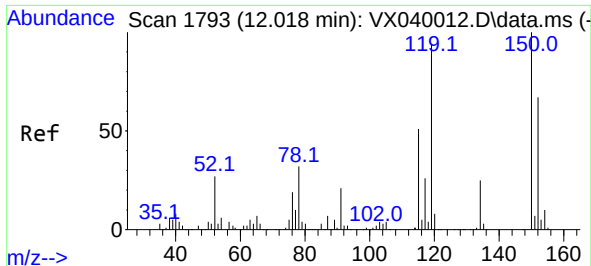
Tgt Ion:117 Resp: 91783
Ion Ratio Lower Upper
117 100
82 66.8 46.2 69.4
119 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 0.283 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

Tgt Ion:106 Resp: 363
Ion Ratio Lower Upper
106 100
91 199.2 165.5 248.3

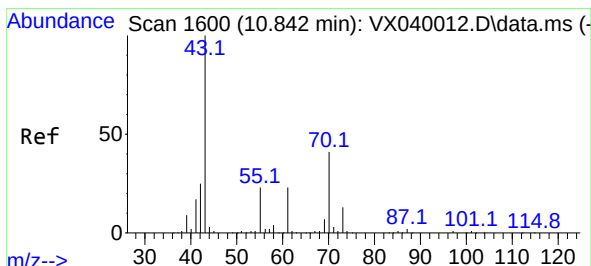
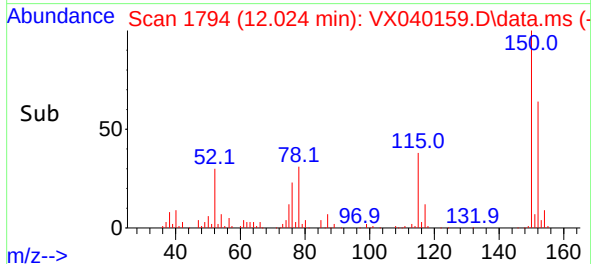
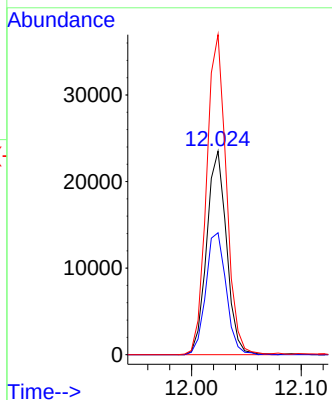
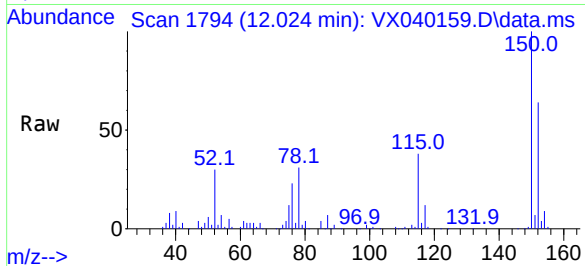




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

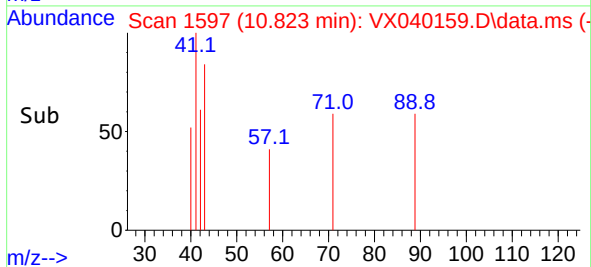
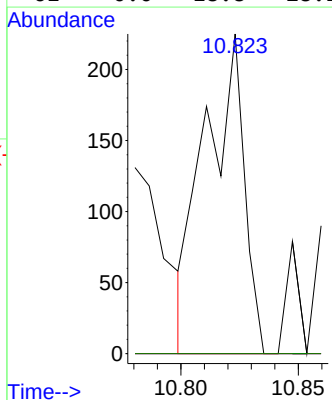
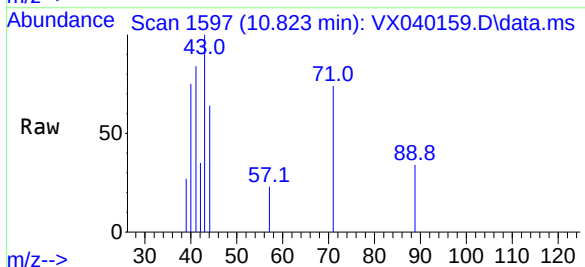
Instrument :
MSVOA_X
ClientSampleId :

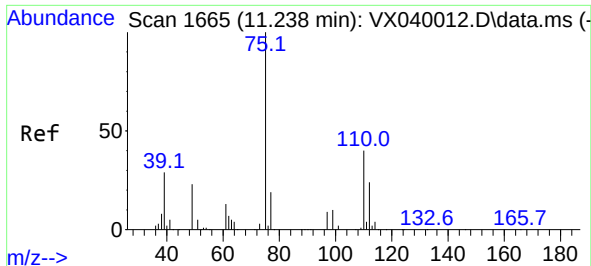
Tgt Ion:152 Resp: 29626
Ion Ratio Lower Upper
152 100
115 61.4 43.3 129.9
150 155.9 0.0 345.0



#74
N-ethyl acetate
Concen: 0.468 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.019 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 43 Resp: 260
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 0.0 19.3 28.9#
61 0.0 18.8 28.2#

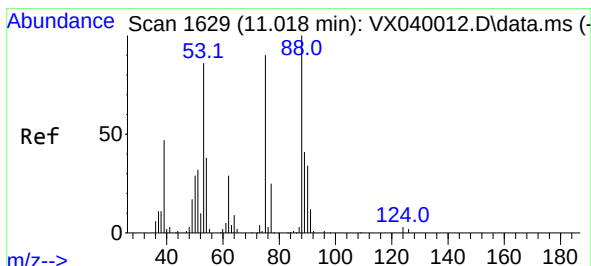
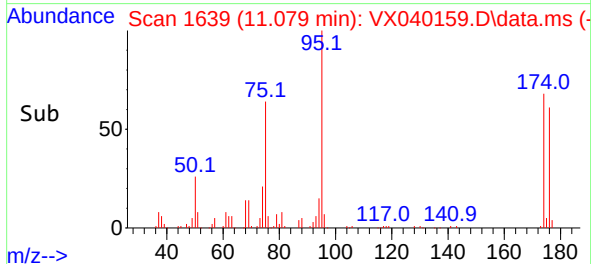
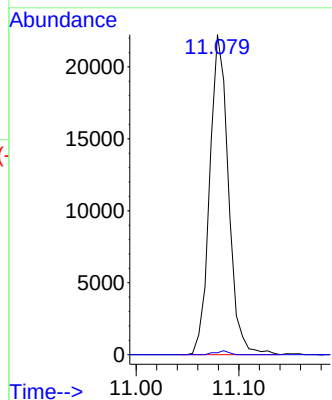
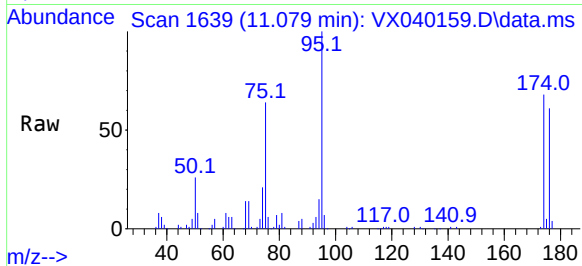




#76
1,2,3-Trichloropropane
Concen: 44.743 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 28228
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.604 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040159.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 75 Resp: 28228
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

