

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042123\
 Data File : VX035234.D
 Acq On : 21 Apr 2023 16:26
 Operator : JC/MD
 Sample : 02403-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

Quant Time: Apr 22 01:06:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

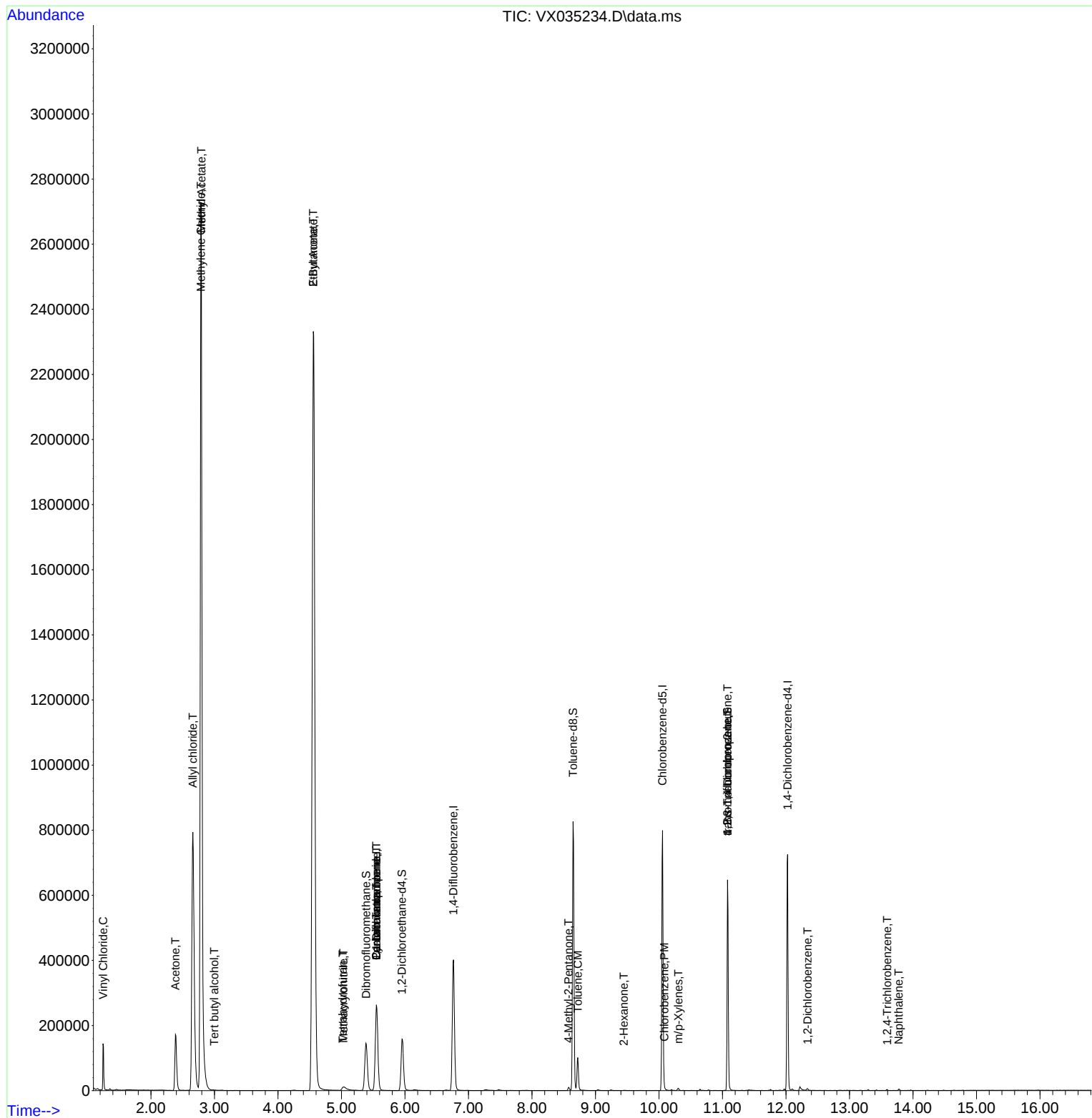
Internal Standards						
1) Pentafluorobenzene	5.550	168	254964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	418588	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	369857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	154726	39.680	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	79.360%		
35) Dibromofluoromethane	5.385	113	129224	46.674	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.340%		
50) Toluene-d8	8.647	98	497245	48.658	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.320%		
62) 4-Bromofluorobenzene	11.079	95	176503	44.633	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.260%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.246	62	1158	0.367	ug/l #	49
11) Tert butyl alcohol	2.995	59	1344	1.964	ug/l #	81
14) Allyl chloride	2.660	41	1096855	213.896	ug/l #	42
16) Acetone	2.386	43	217149	137.087	ug/l	99
18) Methyl Acetate	2.794	43	5637	1.002	ug/l	95
20) Methylene Chloride	2.788	84	1325940	424.192	ug/l	96
25) 2-Butanone	4.556	43	4315766	1873.017	ug/l	95
29) Tetrahydrofuran	5.019	42	8237	5.706	ug/l #	88
31) Cyclohexane	5.550	56	5033	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	18900	4.608	ug/l #	50
37) Ethyl Acetate	4.556	43	4315766	1006.257	ug/l #	70
38) Carbon Tetrachloride	5.550	117	25521	6.599	ug/l #	16
41) Methacrylonitrile	5.032	41	6618	2.837	ug/l #	34
51) 4-Methyl-2-Pentanone	8.574	43	6889	1.622	ug/l	99
52) Toluene	8.720	92	39683	5.169	ug/l	99
59) 2-Hexanone	9.446	43	688	0.214	ug/l	99
65) Chlorobenzene	10.086	112	2067	0.269	ug/l #	87
68) m/p-Xylenes	10.305	106	1732	0.325	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	87208	27.023	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	87208	80.986	ug/l #	8
91) 1,2-Dichlorobenzene	12.341	146	1487	0.280	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	958	0.319	ug/l	96
95) Naphthalene	13.774	128	3351	0.314	ug/l	98

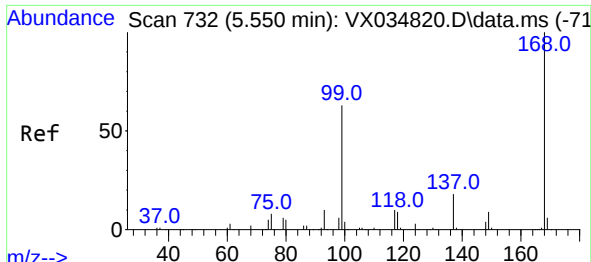
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042123\
Data File : VX035234.D
Acq On : 21 Apr 2023 16:26
Operator : JC/MD
Sample : 02403-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
COMP-1

Quant Time: Apr 22 01:06:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 01 01:50:18 2023
Response via : Initial Calibration

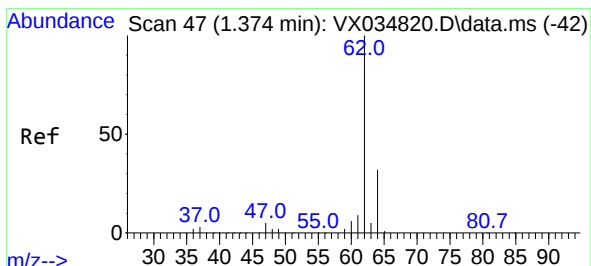
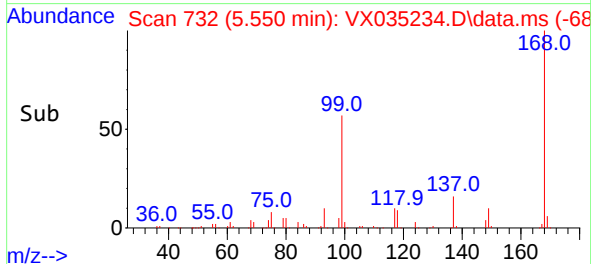
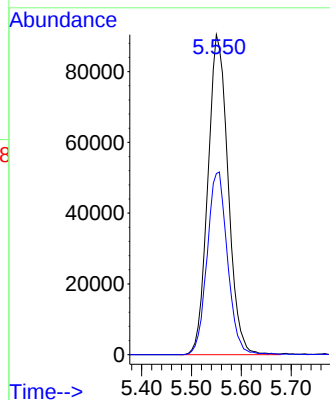
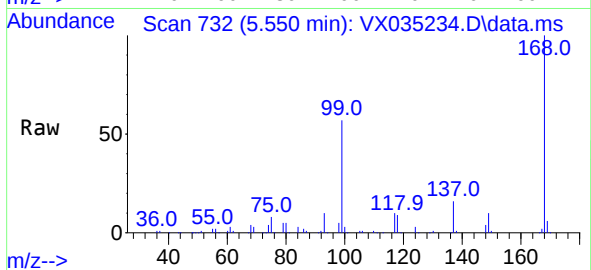




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

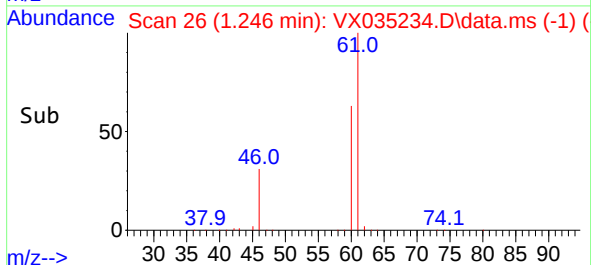
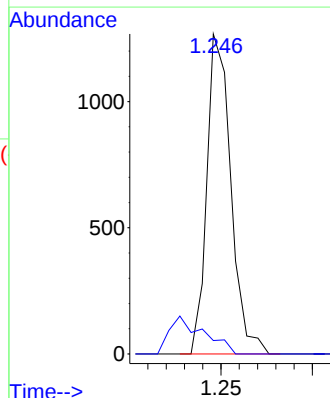
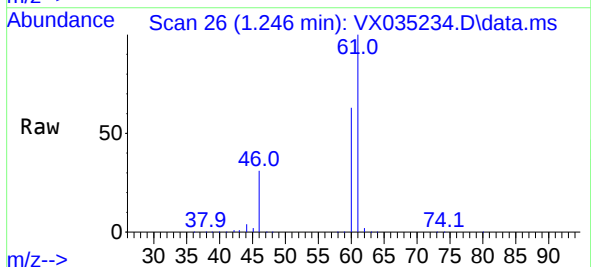
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

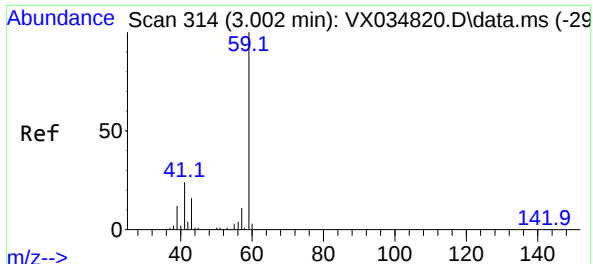
Tgt Ion:168 Resp: 254964
Ion Ratio Lower Upper
168 100
99 56.6 45.7 68.5



#4
Vinyl Chloride
Concen: 0.367 ug/l
RT: 1.246 min Scan# 26
Delta R.T. -0.128 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

Tgt Ion: 62 Resp: 1158
Ion Ratio Lower Upper
62 100
64 4.2 26.4 39.6#





#11

Tert butyl alcohol

Concen: 1.964 ug/l

RT: 2.995 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX035234.D

Acq: 21 Apr 2023 16:26

Instrument :

MSVOA_X

ClientSampleId :

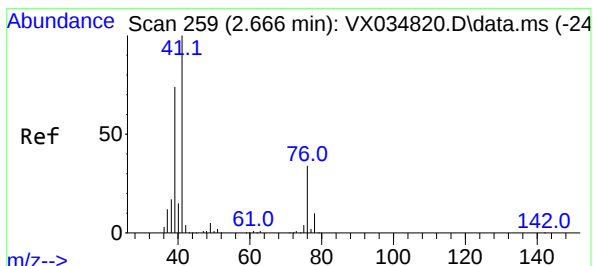
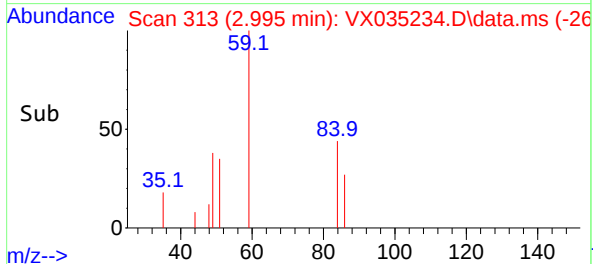
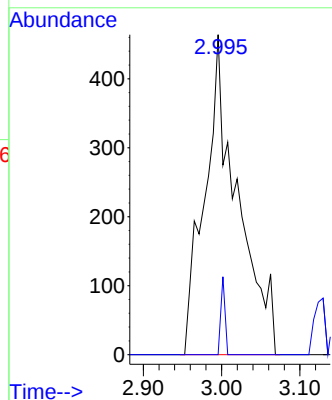
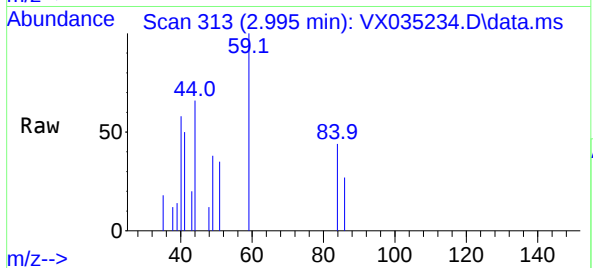
COMP-1

Tgt Ion: 59 Resp: 1344

Ion Ratio Lower Upper

59 100

57 3.1 8.1 12.1#



#14

Allyl chloride

Concen: 213.896 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.006 min

Lab File: VX035234.D

Acq: 21 Apr 2023 16:26

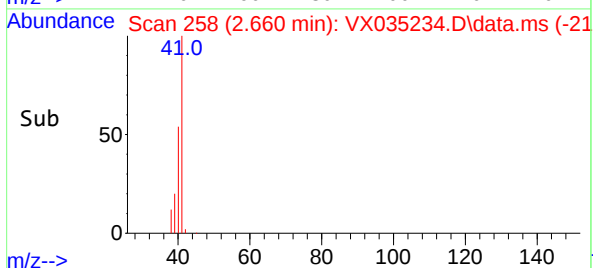
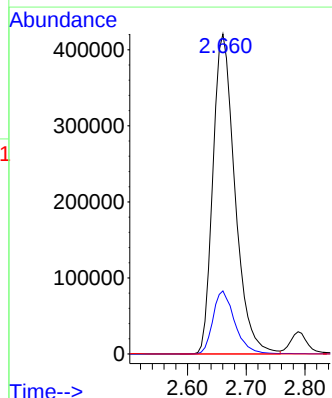
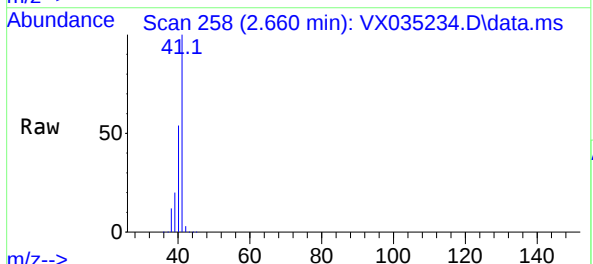
Tgt Ion: 41 Resp: 1096855

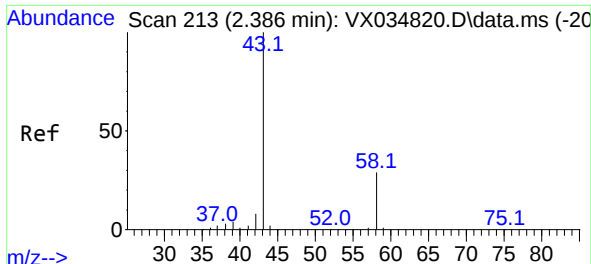
Ion Ratio Lower Upper

41 100

39 19.6 52.4 78.6#

76 0.0 26.0 39.0#

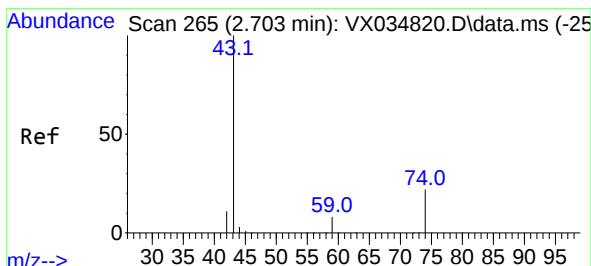
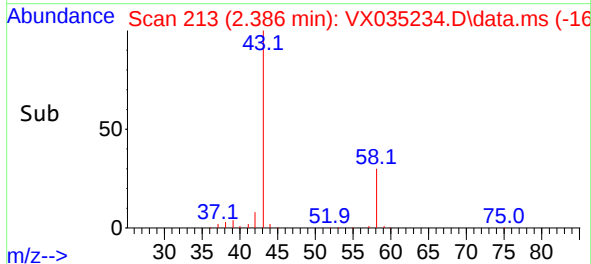
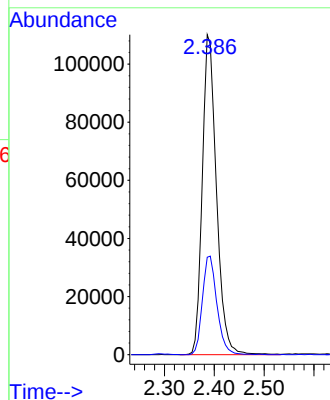
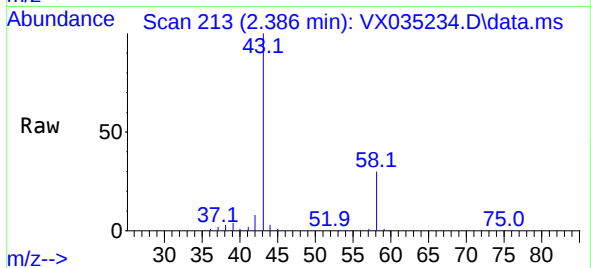




#16
Acetone
Concen: 137.087 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

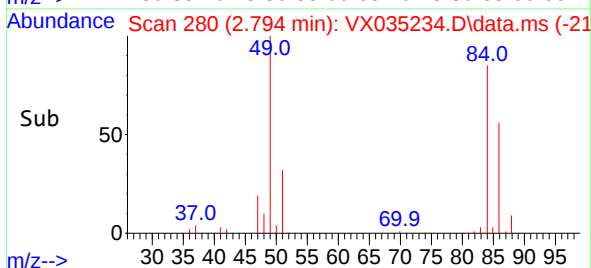
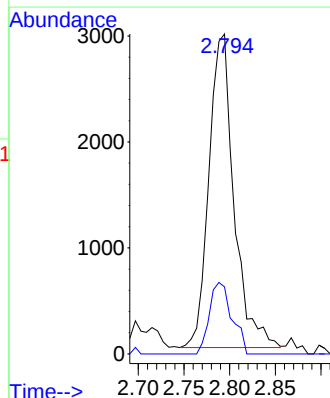
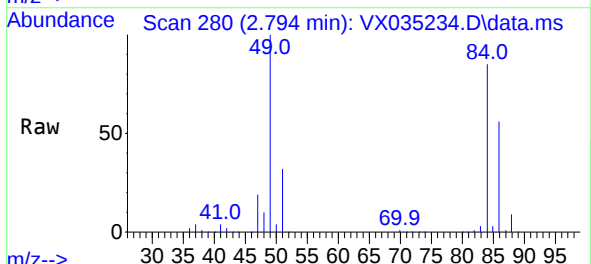
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

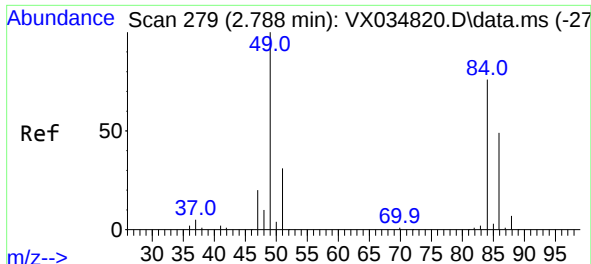
Tgt Ion: 43 Resp: 217149
Ion Ratio Lower Upper
43 100
58 30.4 24.7 37.1



#18
Methyl Acetate
Concen: 1.002 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.092 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

Tgt Ion: 43 Resp: 5637
Ion Ratio Lower Upper
43 100
74 20.5 18.3 27.5



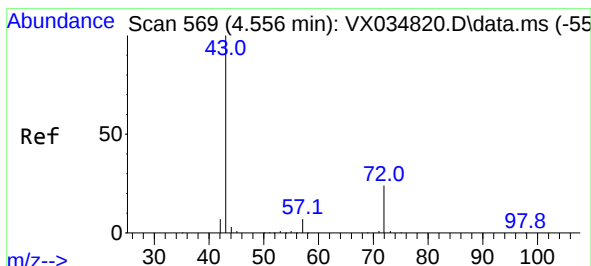
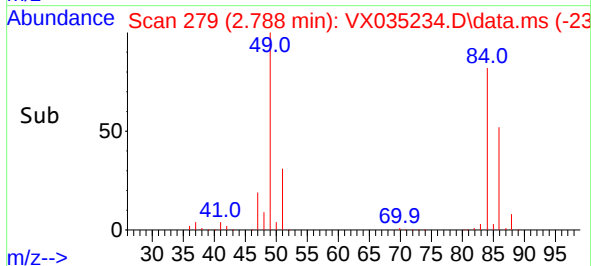
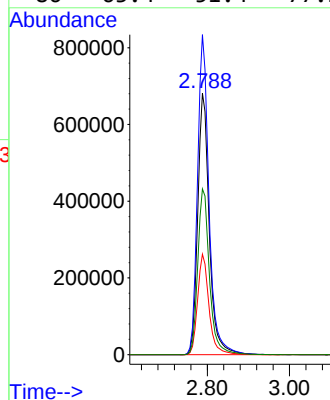
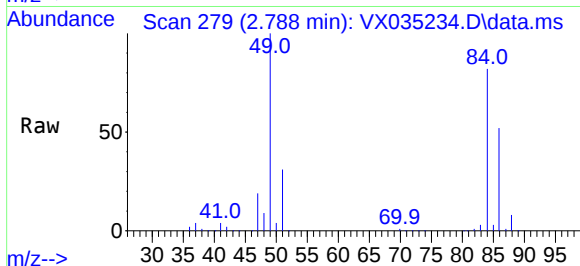


#20
Methylene Chloride
Concen: 424.192 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

Instrument :
MSVOA_X
ClientSampleId :
COMP-1

Tgt Ion: 84 Resp: 1325940

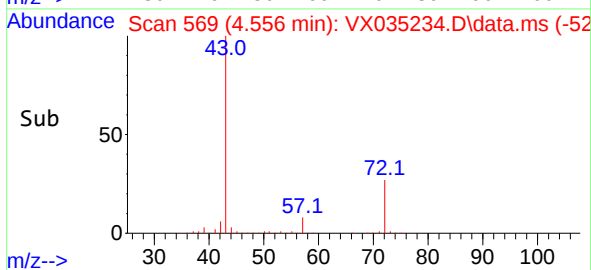
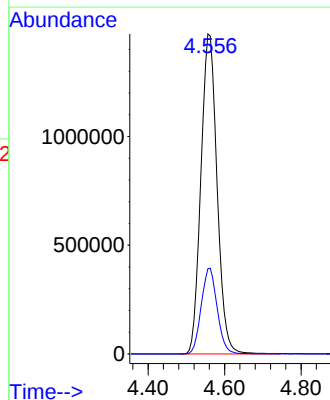
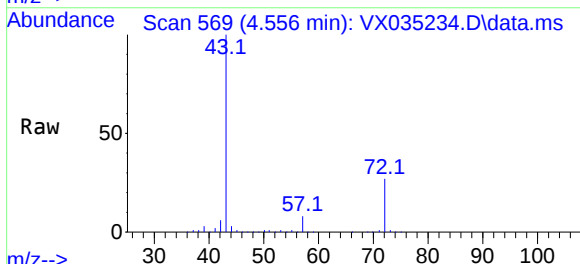
Ion	Ratio	Lower	Upper
84	100		
49	122.4	103.8	155.8
51	38.4	31.8	47.8
86	63.4	51.4	77.2

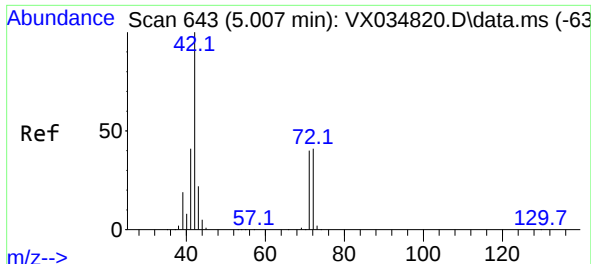


#25
2-Butanone
Concen: 1873.017 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

Tgt Ion: 43 Resp: 4315766

Ion	Ratio	Lower	Upper
43	100		
72	26.7	19.3	28.9





#29

Tetrahydrofuran

Concen: 5.706 ug/l

RT: 5.019 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX035234.D

Acq: 21 Apr 2023 16:26

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

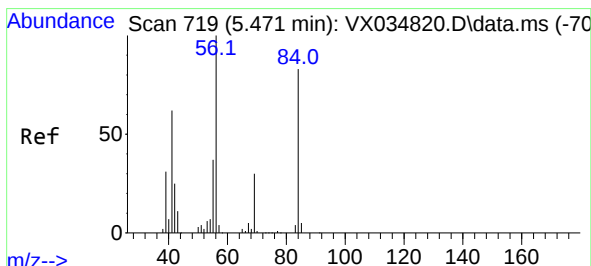
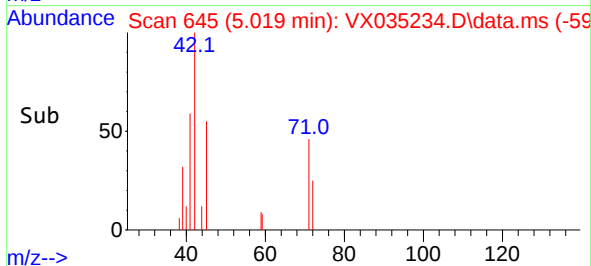
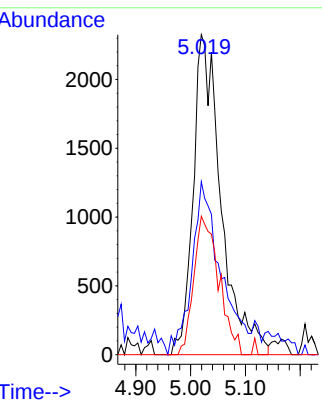
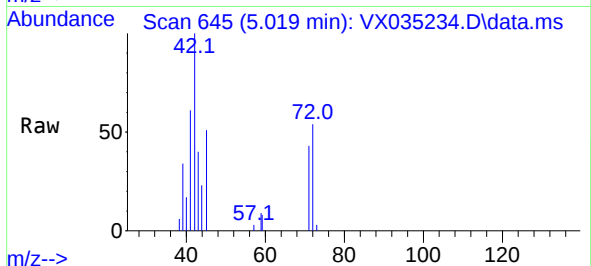
Tgt Ion: 42 Resp: 8237

Ion Ratio Lower Upper

42 100

72 56.3 34.5 51.7#

71 38.7 32.1 48.1



#31

Cyclohexane

Concen: 1.060 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX035234.D

Acq: 21 Apr 2023 16:26

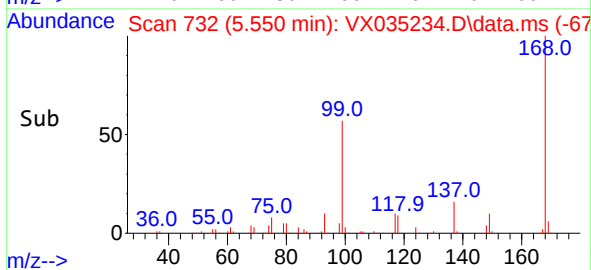
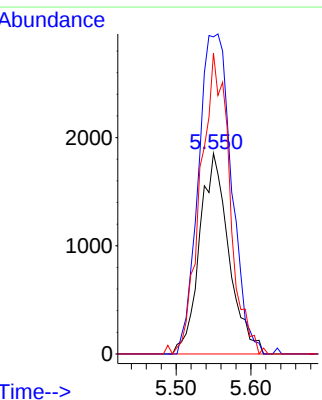
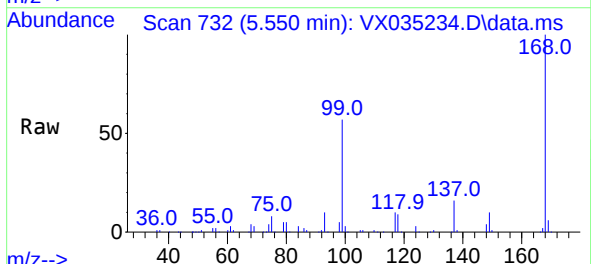
Tgt Ion: 56 Resp: 5033

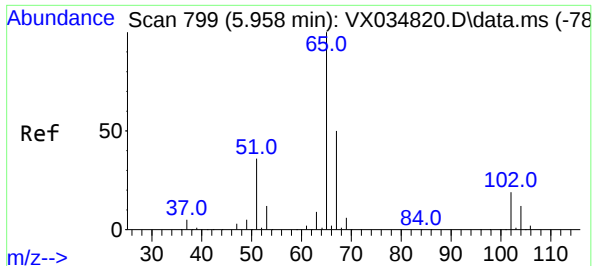
Ion Ratio Lower Upper

56 100

69 158.1 23.7 35.5#

84 150.1 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 39.680 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035234.D

Acq: 21 Apr 2023 16:26

Instrument :

MSVOA_X

ClientSampleId :

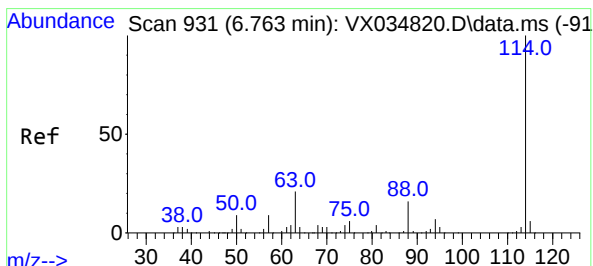
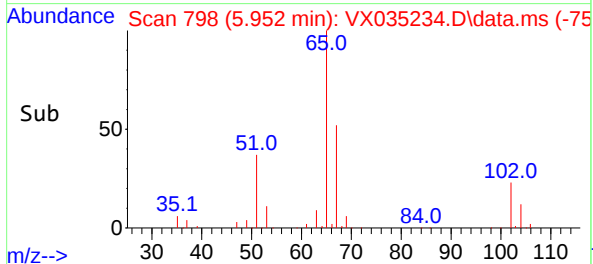
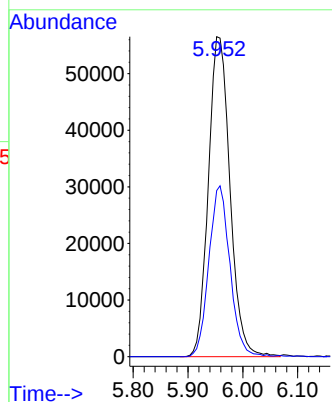
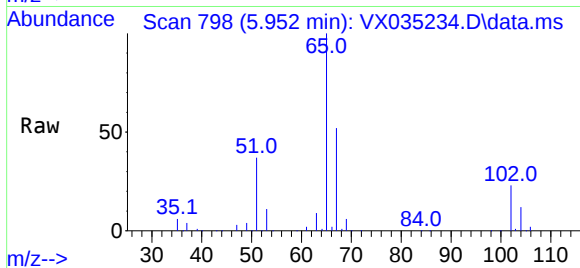
COMP-1

Tgt Ion: 65 Resp: 154726

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX035234.D

Acq: 21 Apr 2023 16:26

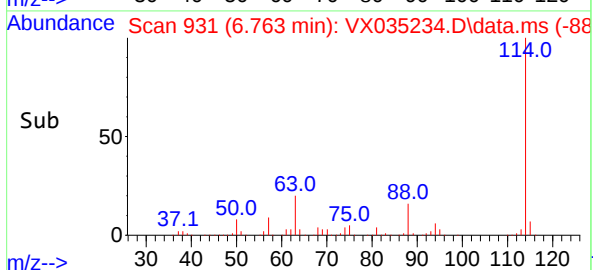
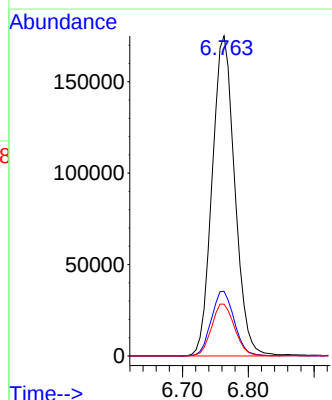
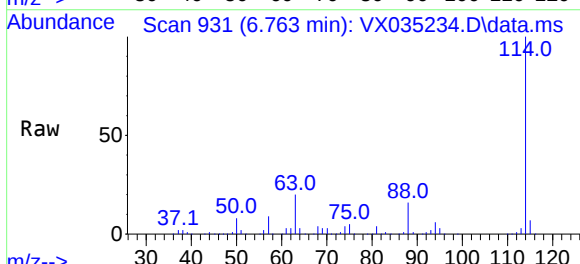
Tgt Ion: 114 Resp: 418588

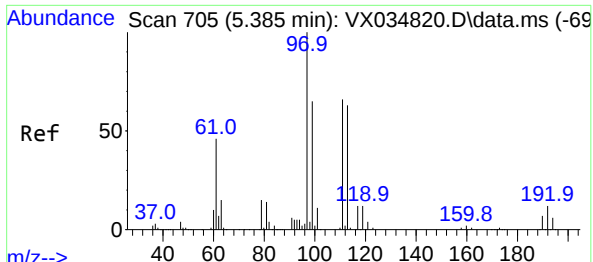
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.2

88 16.2 0.0 33.2

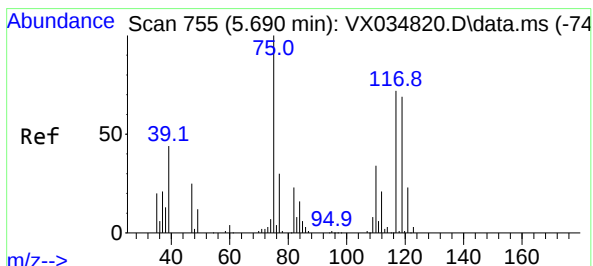
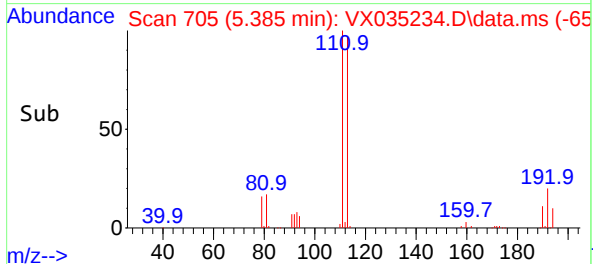
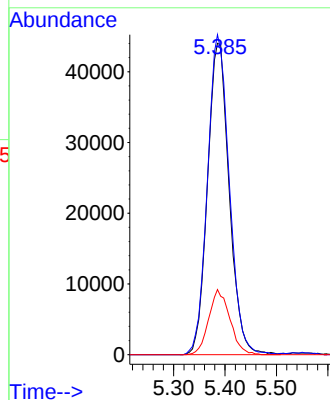
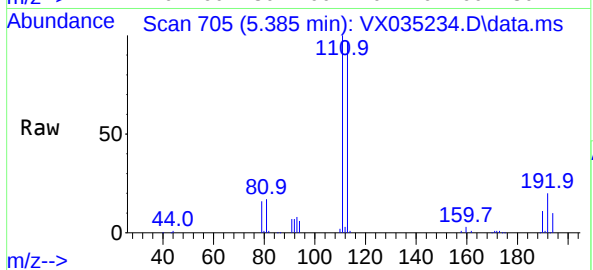




#35
Dibromofluoromethane
Concen: 46.674 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

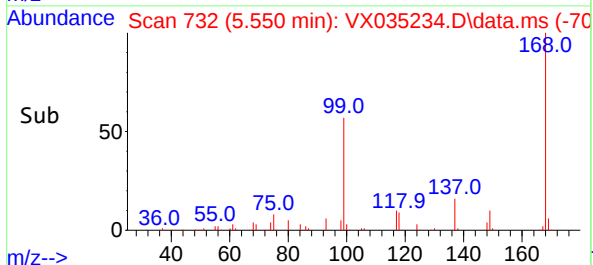
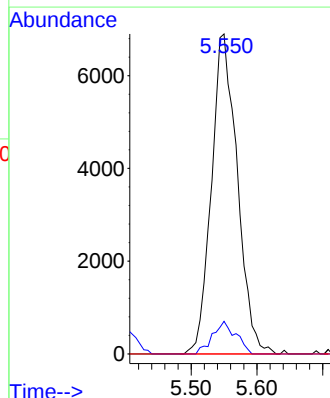
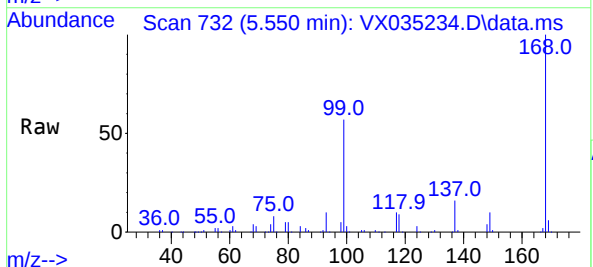
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

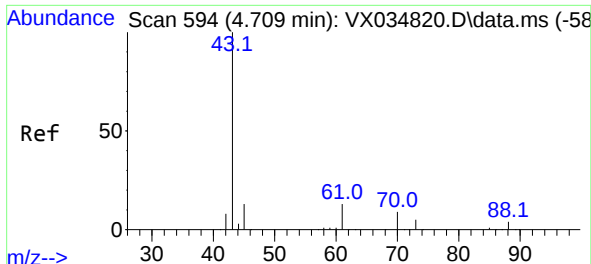
Tgt Ion:113 Resp: 129224
Ion Ratio Lower Upper
113 100
111 103.2 83.7 125.5
192 20.4 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.608 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

Tgt Ion: 75 Resp: 18900
Ion Ratio Lower Upper
75 100
110 9.2 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 1006.257 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.152 min

Lab File: VX035234.D

Acq: 21 Apr 2023 16:26

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

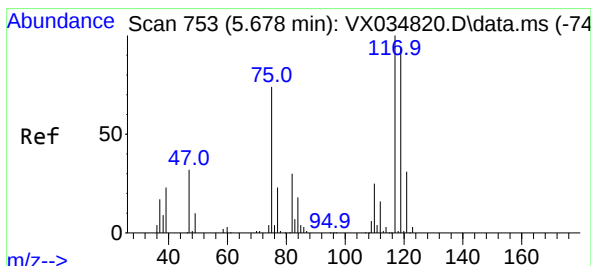
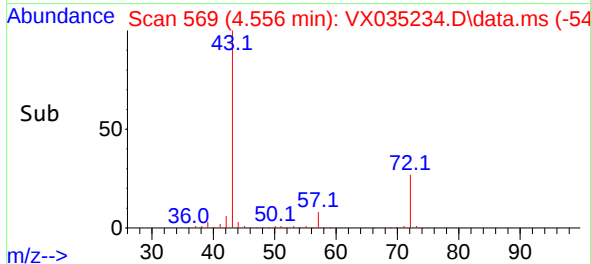
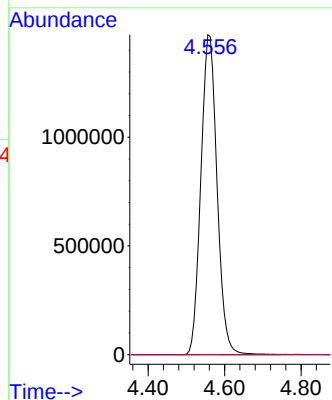
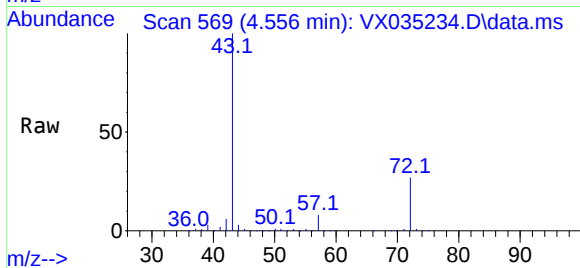
Tgt Ion: 43 Resp: 4315766

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

70 0.1 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 6.599 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX035234.D

Acq: 21 Apr 2023 16:26

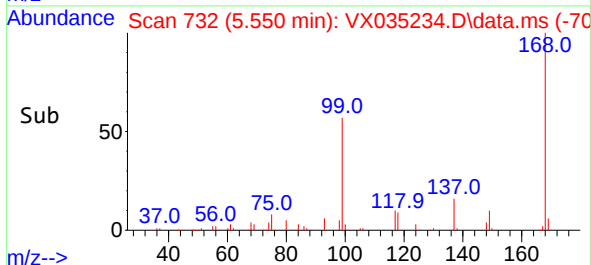
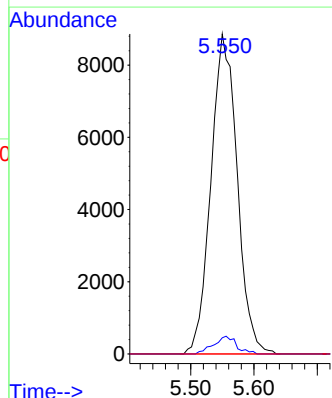
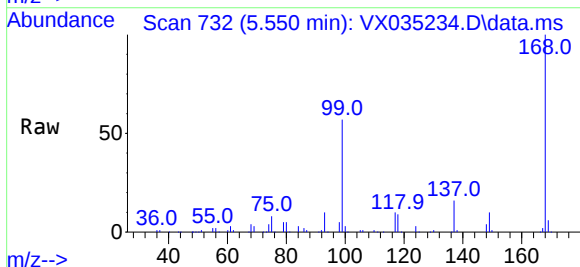
Tgt Ion: 117 Resp: 25521

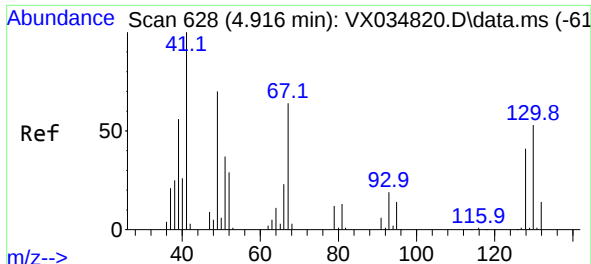
Ion Ratio Lower Upper

117 100

119 5.1 76.6 114.8#

121 0.0 23.8 35.6#

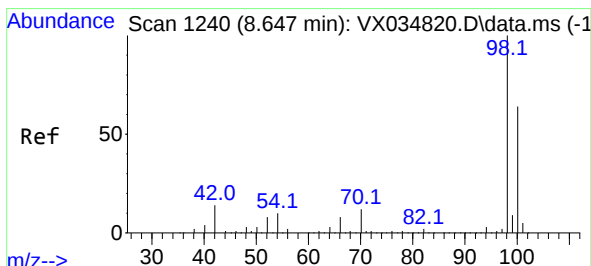
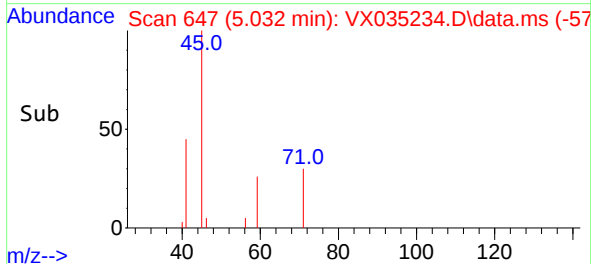
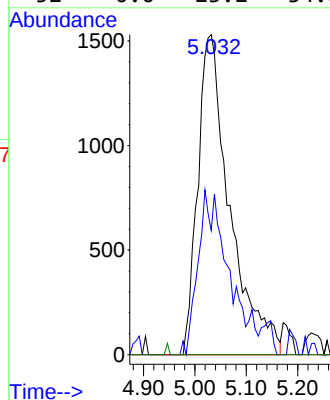
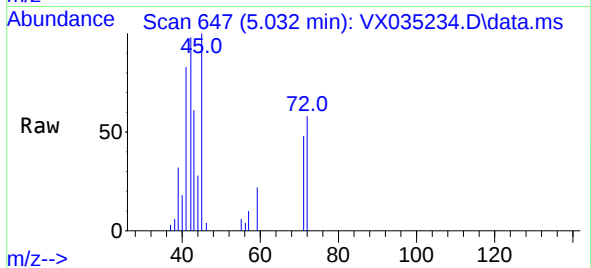




#41
Methacrylonitrile
Concen: 2.837 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

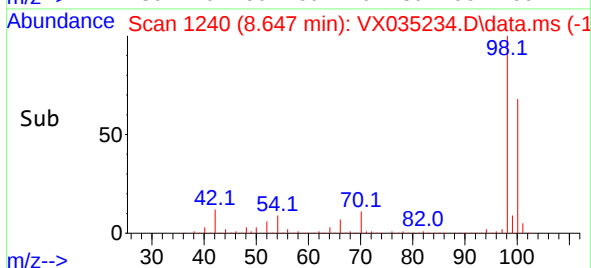
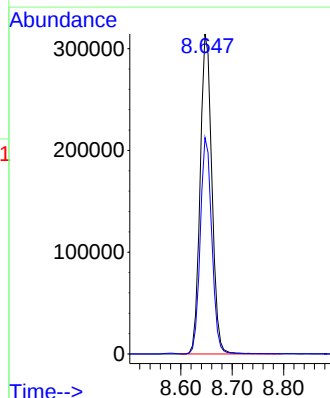
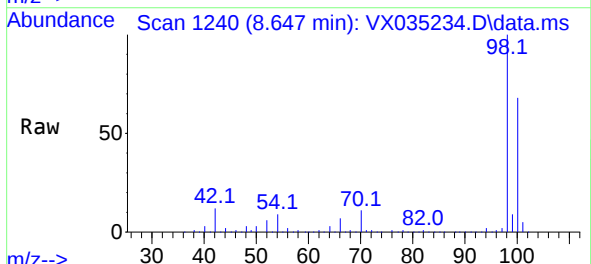
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

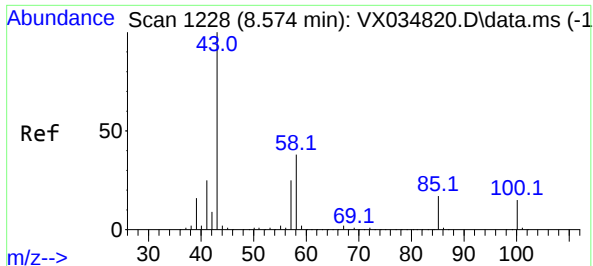
Tgt Ion: 41 Resp: 6618
Ion Ratio Lower Upper
41 100
39 21.5 45.0 67.6#
67 0.0 55.6 83.4#
52 0.0 23.2 34.8#



#50
Toluene-d8
Concen: 48.658 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

Tgt Ion: 98 Resp: 497245
Ion Ratio Lower Upper
98 100
100 66.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.622 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX035234.D

Acq: 21 Apr 2023 16:26

Instrument :

MSVOA_X

ClientSampleId :

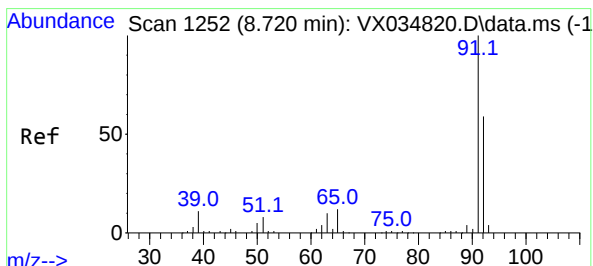
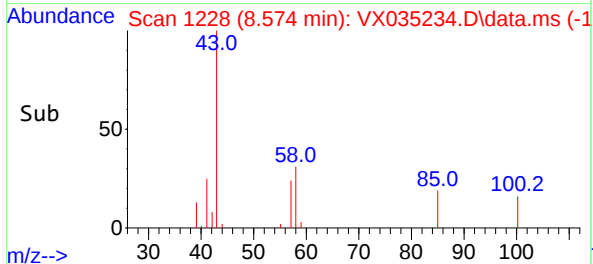
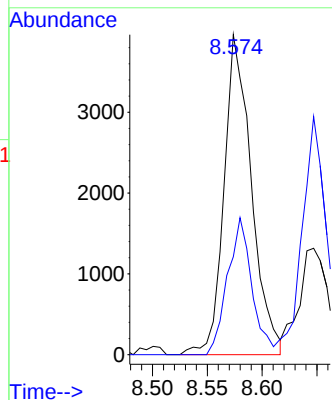
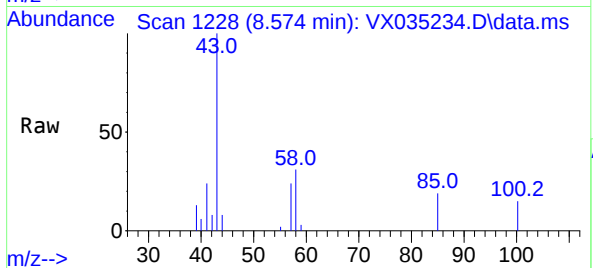
COMP-1

Tgt Ion: 43 Resp: 6889

Ion Ratio Lower Upper

43 100

58 37.8 30.6 46.0



#52

Toluene

Concen: 5.169 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX035234.D

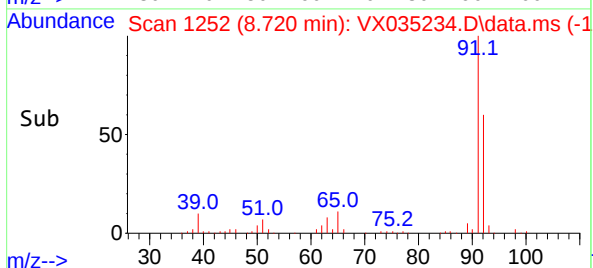
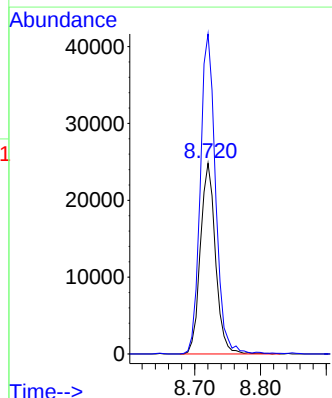
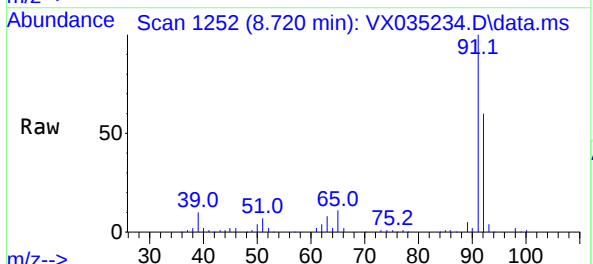
Acq: 21 Apr 2023 16:26

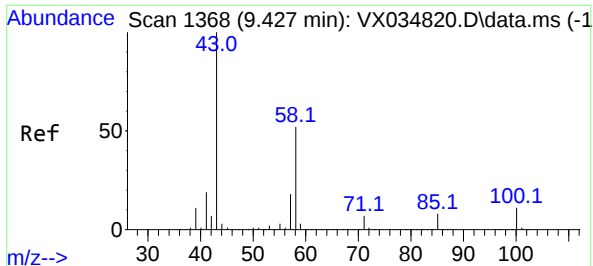
Tgt Ion: 92 Resp: 39683

Ion Ratio Lower Upper

92 100

91 169.1 136.8 205.2





#59

2-Hexanone

Concen: 0.214 ug/l

RT: 9.446 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX035234.D

Acq: 21 Apr 2023 16:26

Instrument :

MSVOA_X

ClientSampleId :

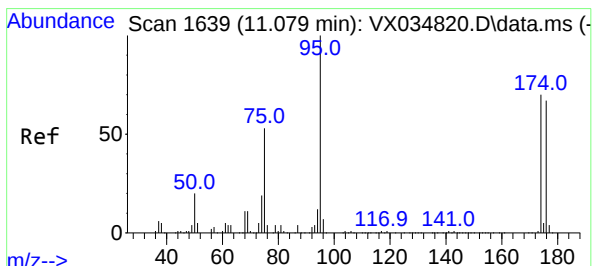
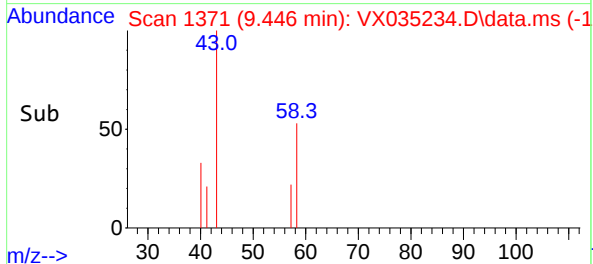
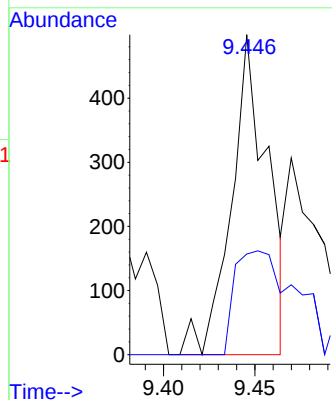
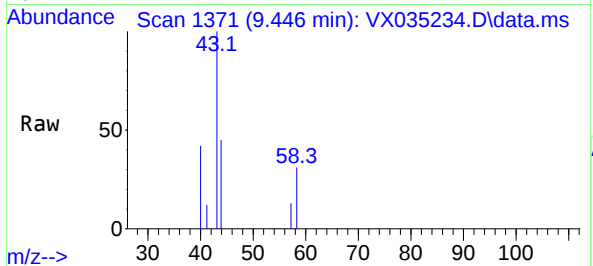
COMP-1

Tgt Ion: 43 Resp: 688

Ion Ratio Lower Upper

43 100

58 53.6 26.3 78.9



#62

4-Bromofluorobenzene

Concen: 44.633 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035234.D

Acq: 21 Apr 2023 16:26

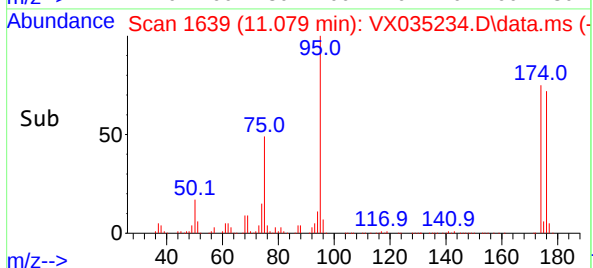
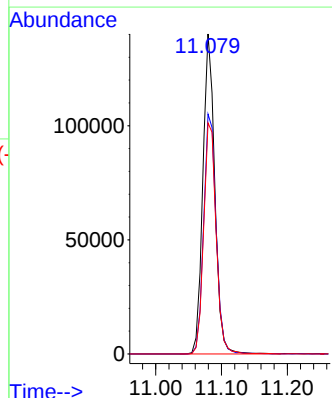
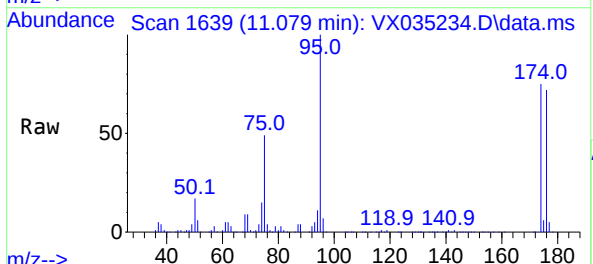
Tgt Ion: 95 Resp: 176503

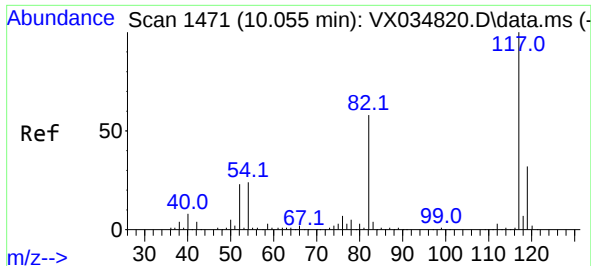
Ion Ratio Lower Upper

95 100

174 78.2 0.0 147.4

176 75.4 0.0 140.6

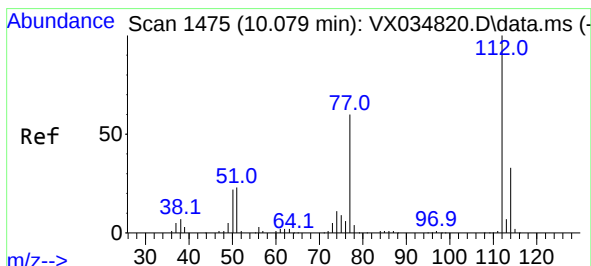
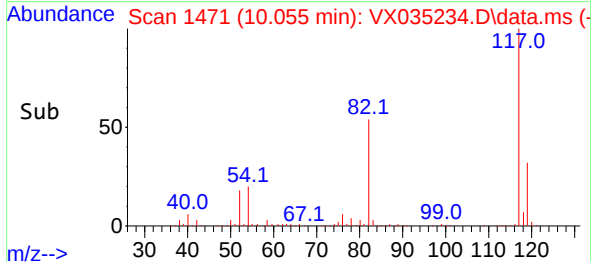
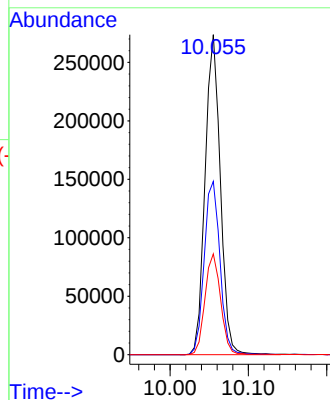
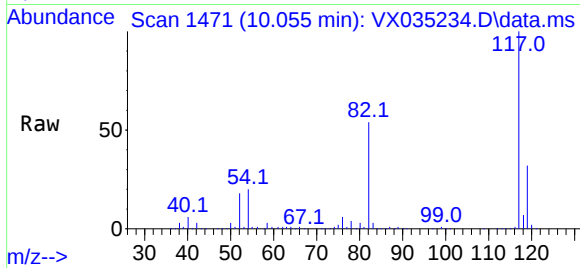




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

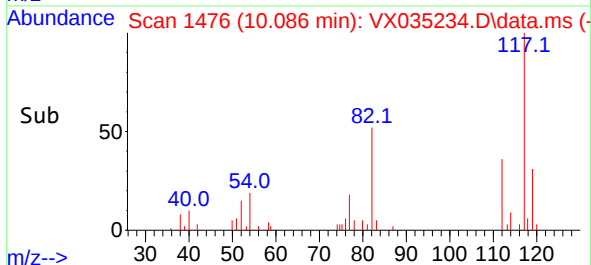
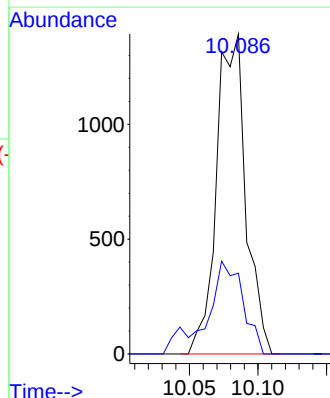
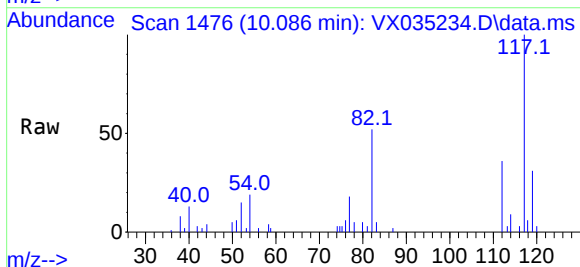
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

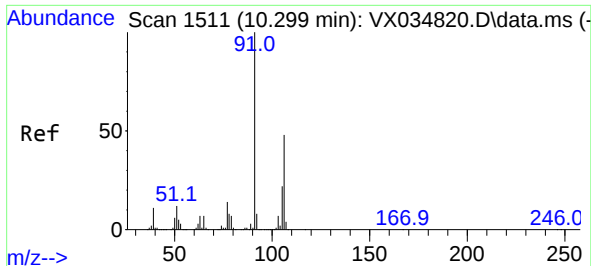
Tgt Ion:117 Resp: 369857
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.4
119 31.5 26.0 39.0



#65
Chlorobenzene
Concen: 0.269 ug/l
RT: 10.086 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

Tgt Ion:112 Resp: 2067
Ion Ratio Lower Upper
112 100
114 25.3 26.2 39.2#

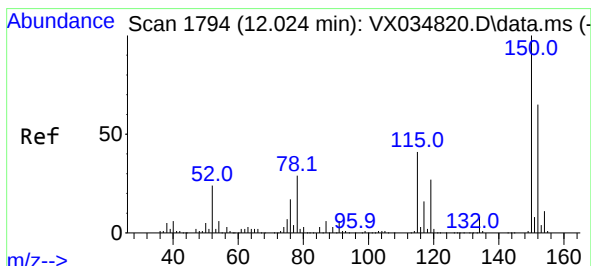
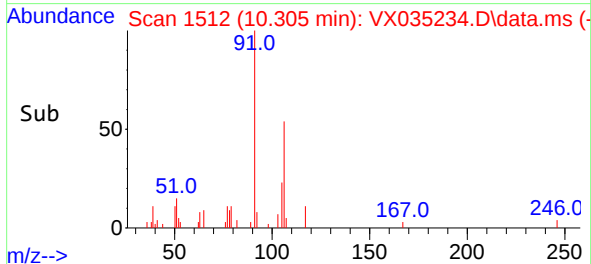
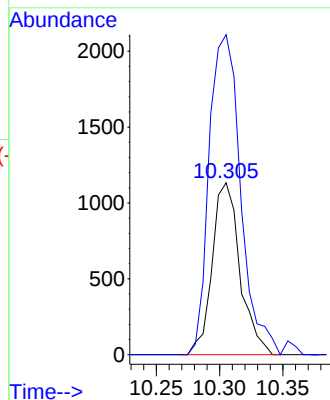
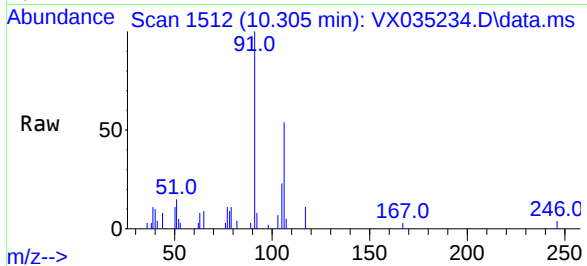




#68
m/p-Xylenes
Concen: 0.325 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

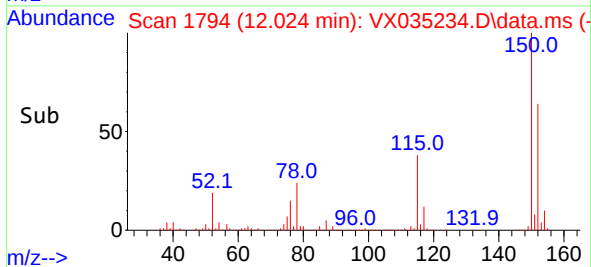
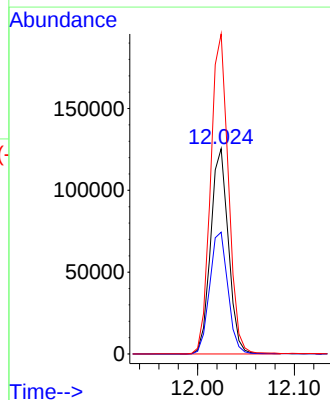
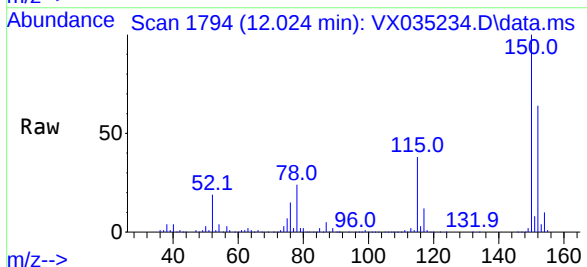
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

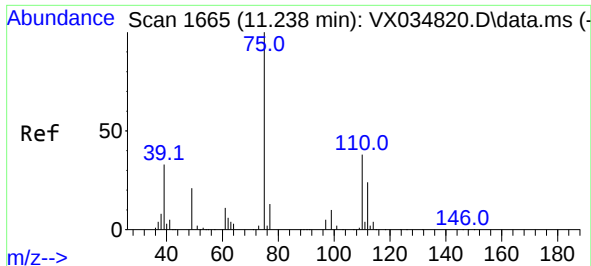
Tgt Ion:106 Resp: 1732
Ion Ratio Lower Upper
106 100
91 210.6 164.0 246.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

Tgt Ion:152 Resp: 160164
Ion Ratio Lower Upper
152 100
115 61.0 45.0 135.0
150 156.5 0.0 352.4

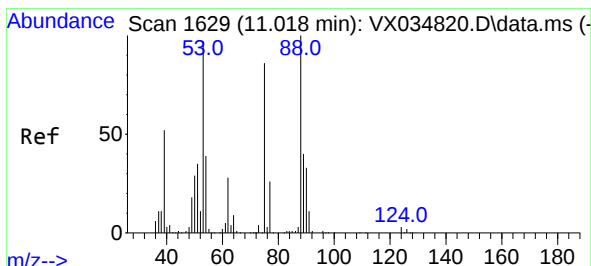
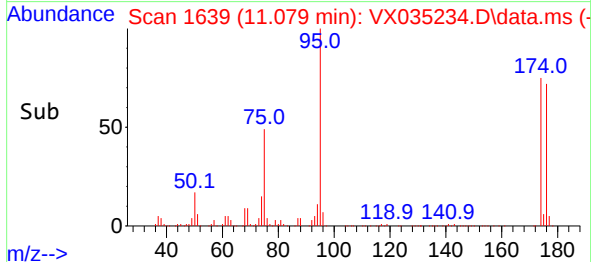
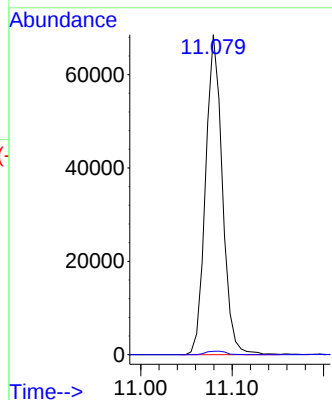
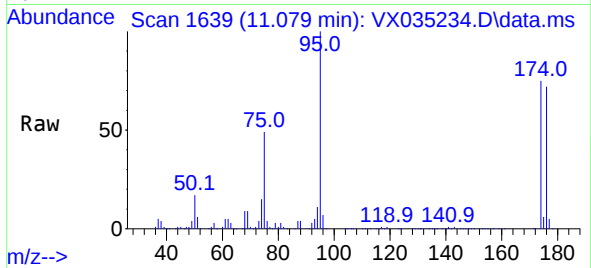




#76
1,2,3-Trichloropropane
Concen: 27.023 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

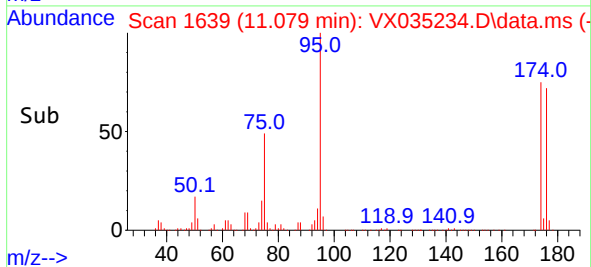
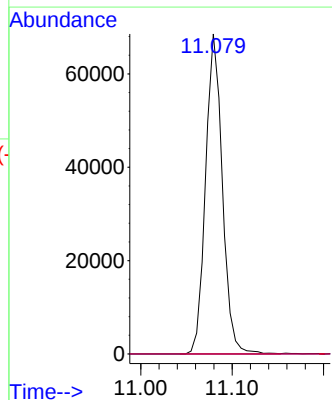
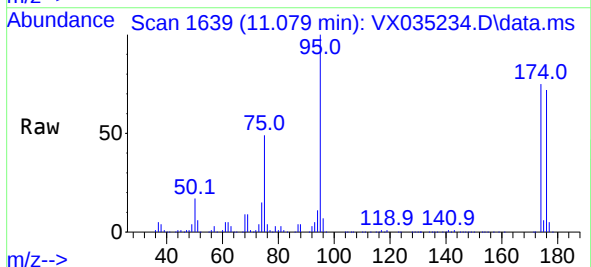
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

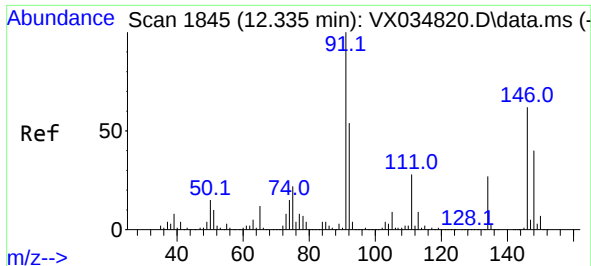
Tgt Ion: 75 Resp: 87208
Ion Ratio Lower Upper
75 100
77 1.3 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.986 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

Tgt Ion: 75 Resp: 87208
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

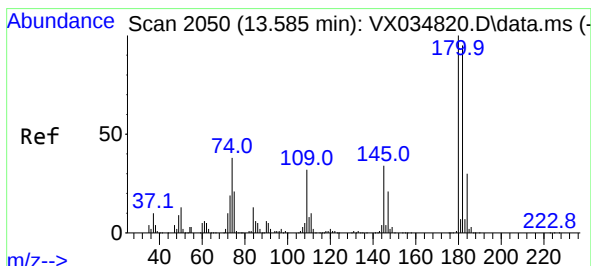
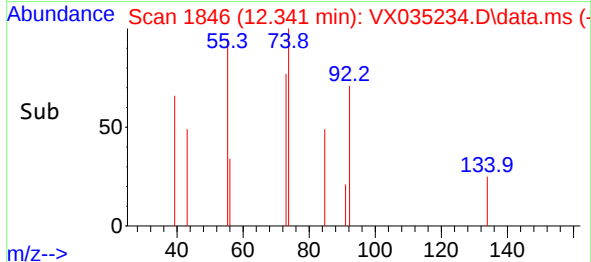
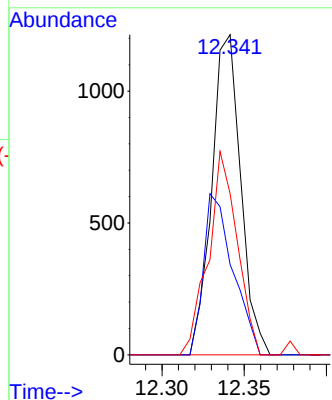
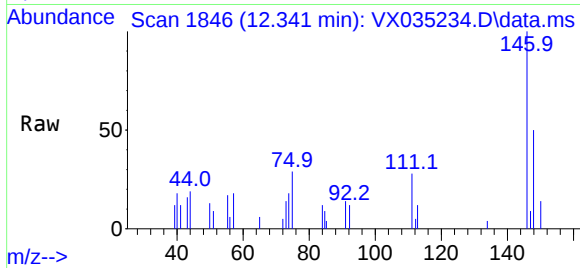




#91
1,2-Dichlorobenzene
Concen: 0.280 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

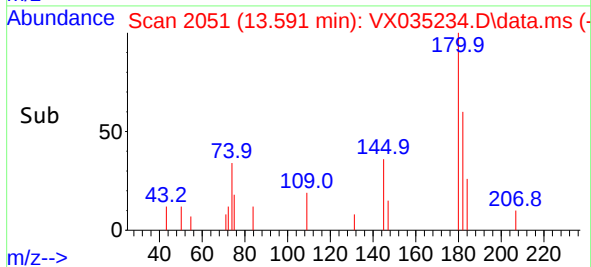
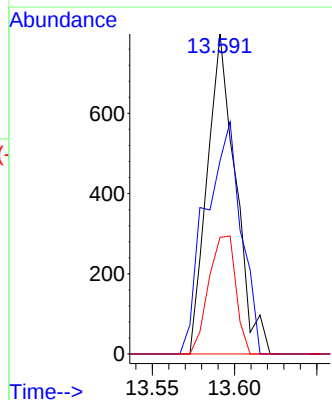
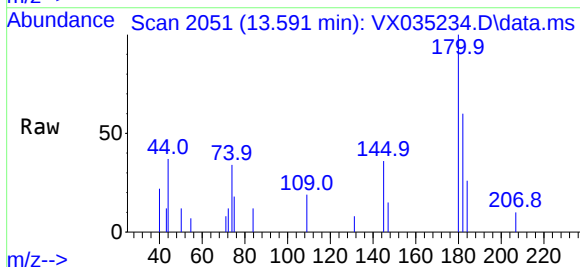
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

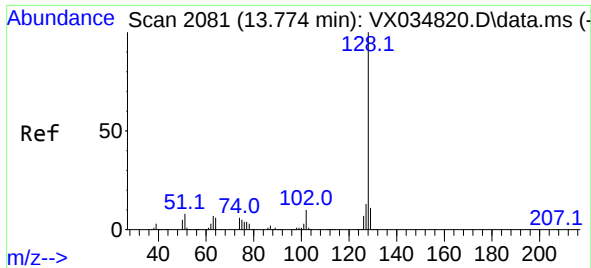
Tgt Ion:	146	Resp:	1487
Ion	Ratio	Lower	Upper
146	100		
111	51.0	22.0	66.0
148	63.3	32.0	96.0



#93
1,2,4-Trichlorobenzene
Concen: 0.319 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

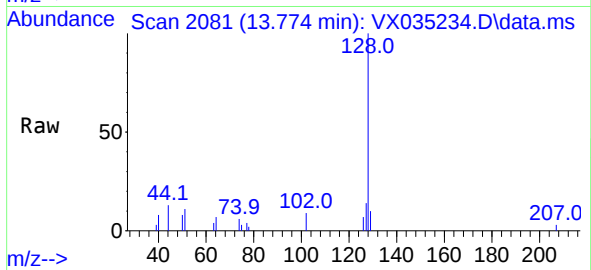
Tgt Ion:	180	Resp:	958
Ion	Ratio	Lower	Upper
180	100		
182	90.8	47.0	141.0
145	35.1	15.9	47.7





#95
Naphthalene
Concen: 0.314 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX035234.D
Acq: 21 Apr 2023 16:26

Instrument :
MSVOA_X
ClientSampleId :
COMP-1



Tgt Ion:128 Resp: 3351
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 9.4 8.6 13.0

