

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042123\
 Data File : VX035236.D
 Acq On : 21 Apr 2023 17:13
 Operator : JC/MD
 Sample : 02403-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-3

Quant Time: Apr 22 01:06:41 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)

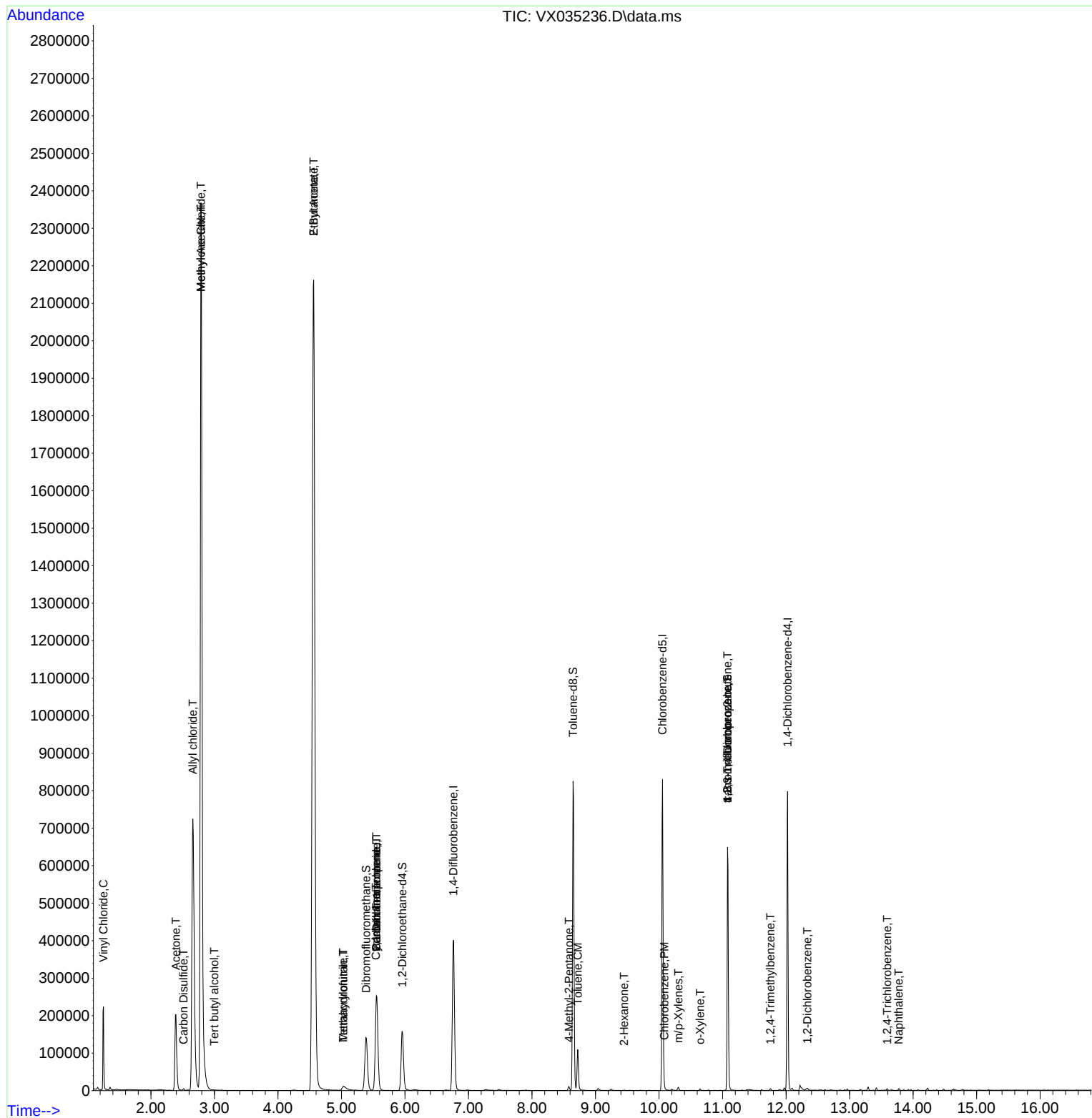
Internal Standards						
1) Pentafluorobenzene	5.549	168	247705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	417175	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	376926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	167689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	153248	40.453	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	80.900%		
35) Dibromofluoromethane	5.385	113	127343	46.151	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.300%		
50) Toluene-d8	8.646	98	493254	48.431	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.860%		
62) 4-Bromofluorobenzene	11.079	95	179252	45.482	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.960%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.251	62	1910	0.624	ug/l #	54
11) Tert butyl alcohol	2.995	59	1222	1.839	ug/l #	73
14) Allyl chloride	2.660	41	1003530	201.432	ug/l #	42
16) Acetone	2.391	43	259125	168.380	ug/l	99
17) Carbon Disulfide	2.513	76	5186	0.814	ug/l	100
18) Methyl Acetate	2.788	43	5178	0.947	ug/l #	87
20) Methylene Chloride	2.788	84	1165595	383.822	ug/l	97
25) 2-Butanone	4.562	43	4019016	1795.343	ug/l	95
29) Tetrahydrofuran	5.025	42	7927	5.653	ug/l	93
31) Cyclohexane	5.543	56	4627	1.003	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	18611	4.553	ug/l #	52
37) Ethyl Acetate	4.562	43	4019016	940.241	ug/l #	70
38) Carbon Tetrachloride	5.549	117	24585	6.379	ug/l #	16
41) Methacrylonitrile	5.025	41	5365	2.308	ug/l #	33
51) 4-Methyl-2-Pentanone	8.579	43	7164	1.693	ug/l	100
52) Toluene	8.720	92	41570	5.433	ug/l	98
59) 2-Hexanone	9.451	43	953	0.298	ug/l	70
65) Chlorobenzene	10.085	112	1820	0.232	ug/l	95
68) m/p-Xylenes	10.305	106	2093	0.386	ug/l	100
69) o-Xylene	10.646	106	1261	0.237	ug/l	75
76) 1,2,3-Trichloropropane	11.079	75	88720	26.258	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	88720	78.693	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	2304	0.221	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	1362	0.245	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	706	0.225	ug/l #	81
95) Naphthalene	13.774	128	3535	0.317	ug/l	96

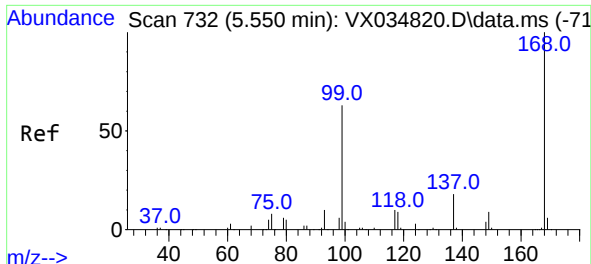
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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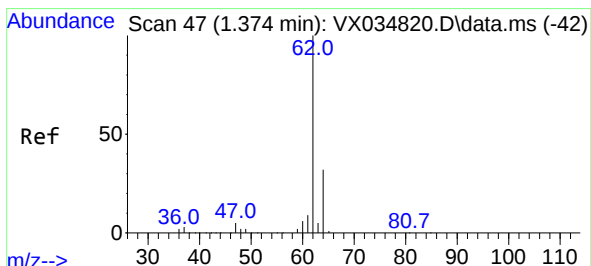
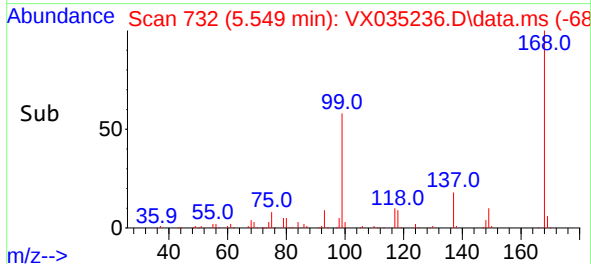
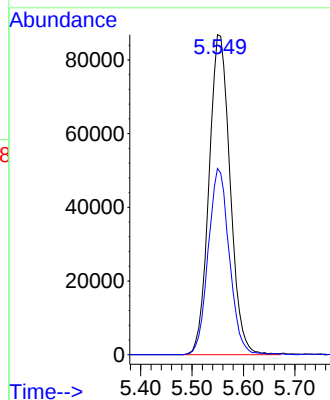
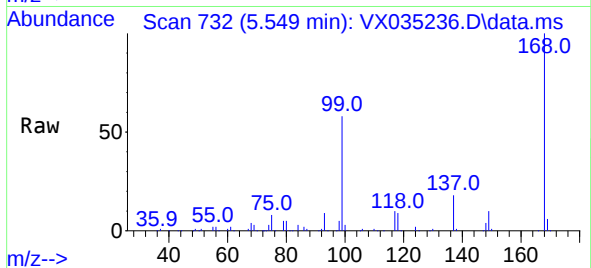




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

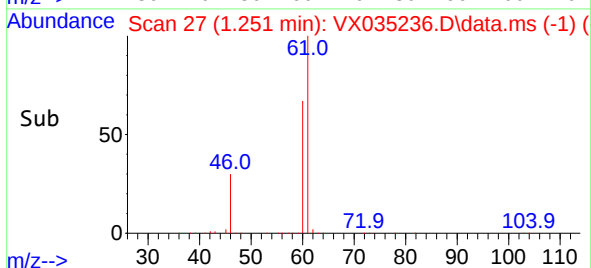
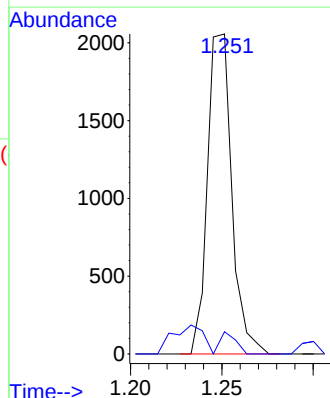
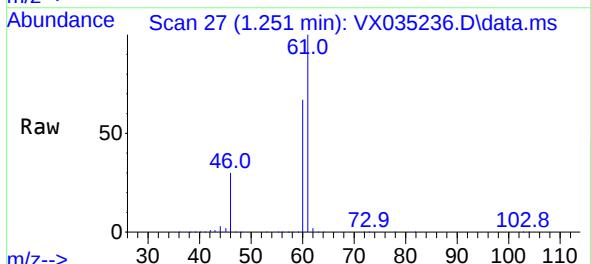
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

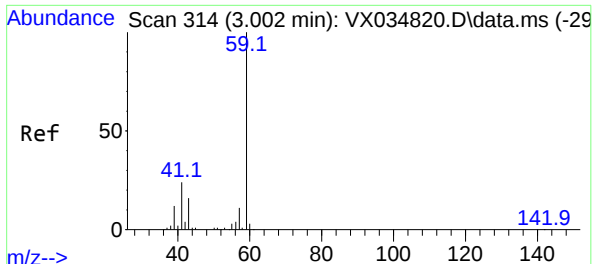
Tgt Ion:168 Resp: 247705
Ion Ratio Lower Upper
168 100
99 58.2 45.7 68.5



#4
Vinyl Chloride
Concen: 0.624 ug/l
RT: 1.251 min Scan# 27
Delta R.T. -0.122 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Tgt Ion: 62 Resp: 1910
Ion Ratio Lower Upper
62 100
64 7.0 26.4 39.6#

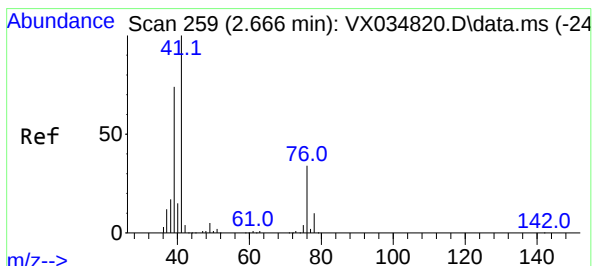
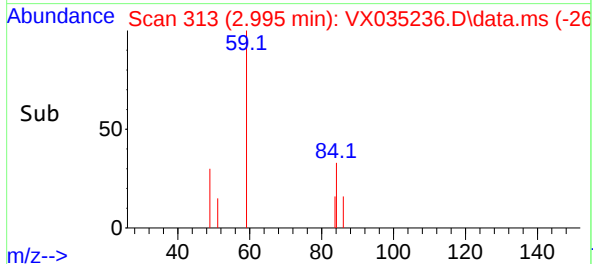
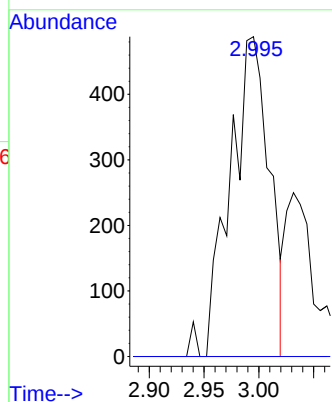
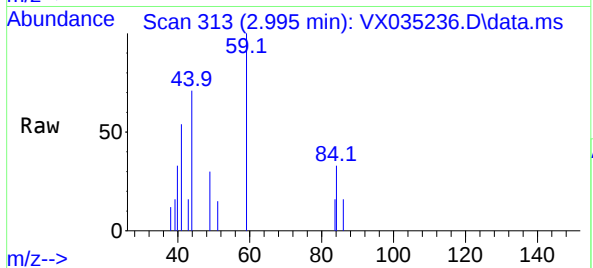




#11
Tert butyl alcohol
Concen: 1.839 ug/l
RT: 2.995 min Scan# 314
Delta R.T. -0.006 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

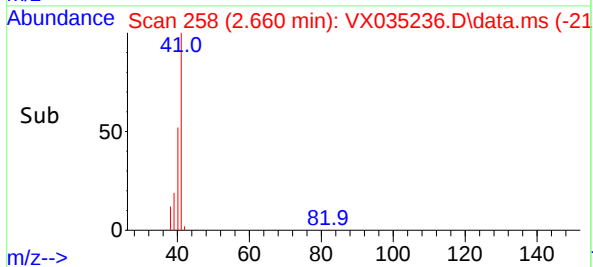
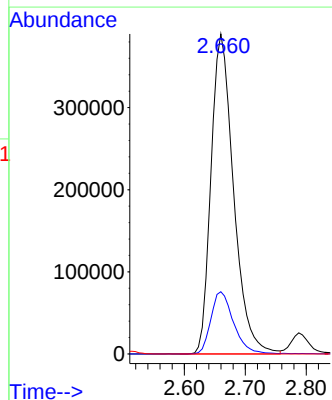
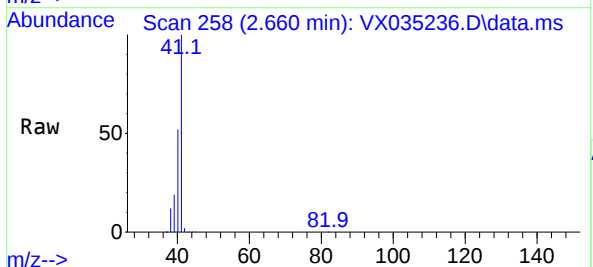
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

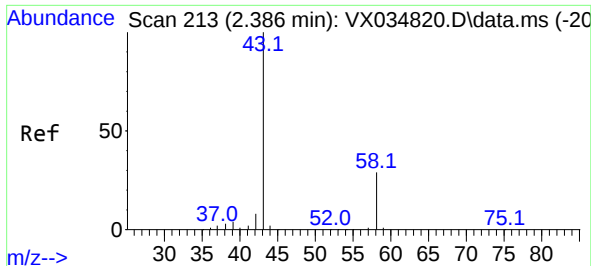
Tgt Ion: 59 Resp: 1222
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#14
Allyl chloride
Concen: 201.432 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Tgt Ion: 41 Resp: 1003530
Ion Ratio Lower Upper
41 100
39 19.6 52.4 78.6#
76 0.0 26.0 39.0#

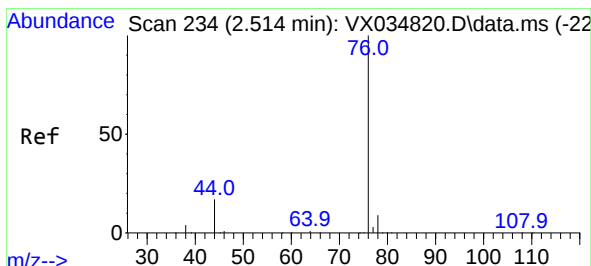
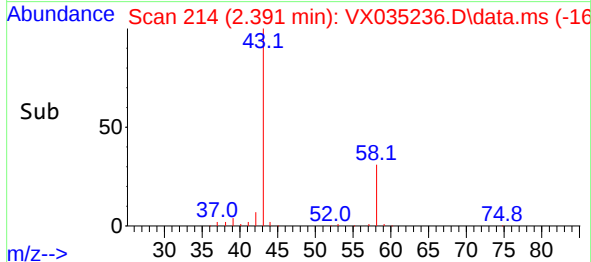
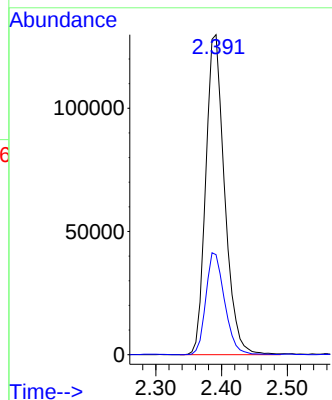
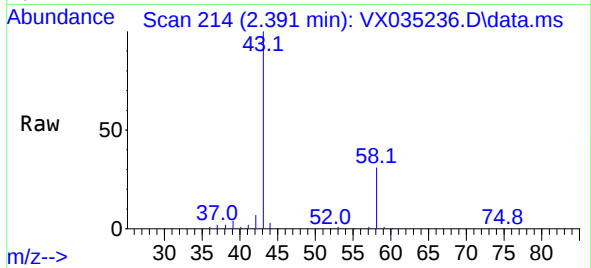




#16
Acetone
Concen: 168.380 ug/l
RT: 2.391 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

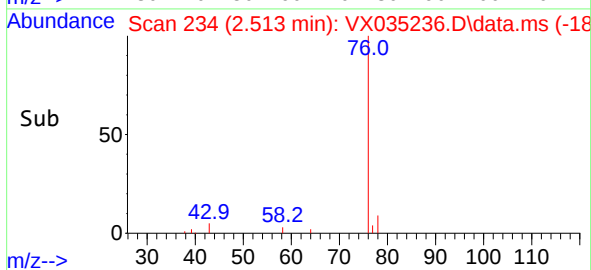
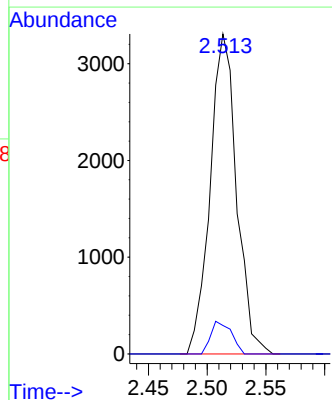
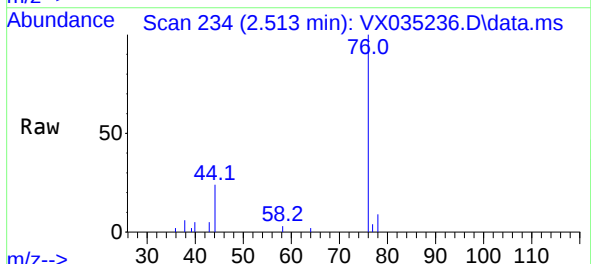
Instrument :
MSVOA_X
ClientSampleId :
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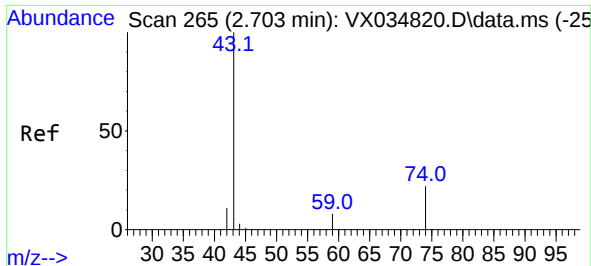
Tgt Ion: 43 Resp: 259125
Ion Ratio Lower Upper
43 100
58 31.2 24.7 37.1



#17
Carbon Disulfide
Concen: 0.814 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Tgt Ion: 76 Resp: 5186
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

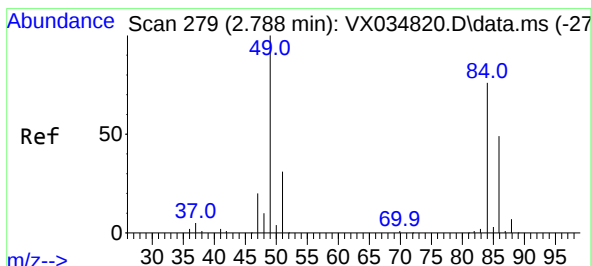
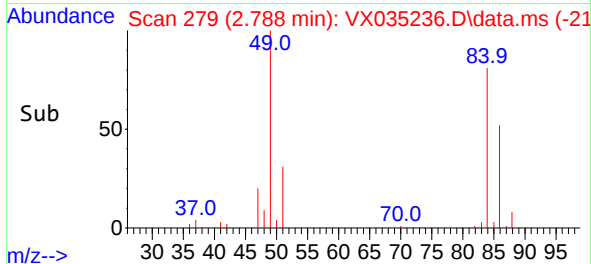
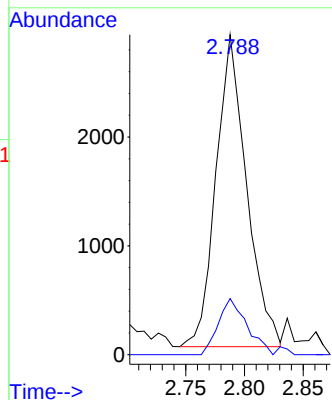
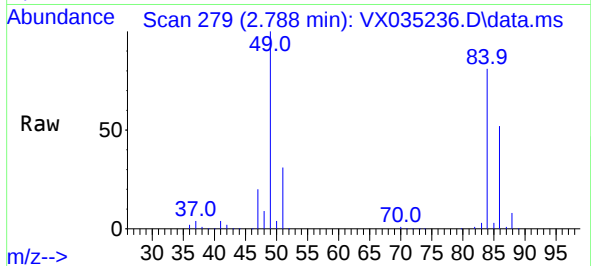




#18
Methyl Acetate
Concen: 0.947 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.085 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

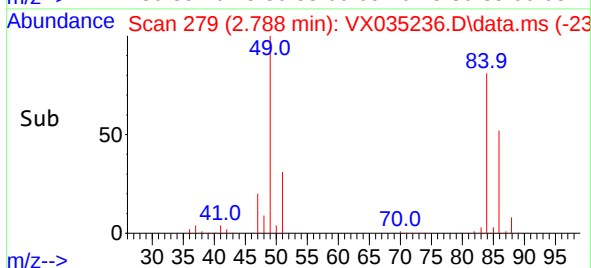
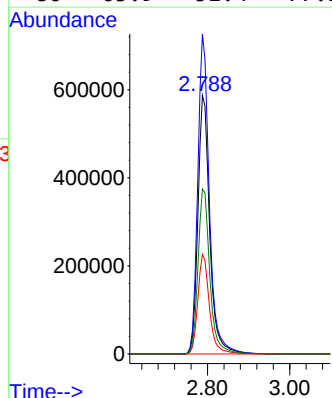
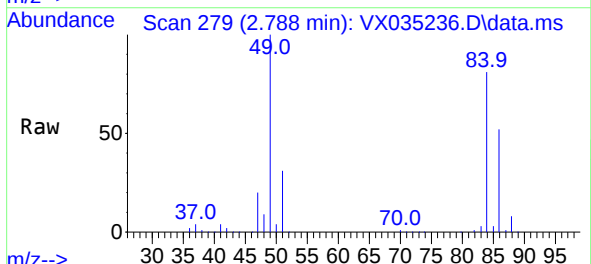
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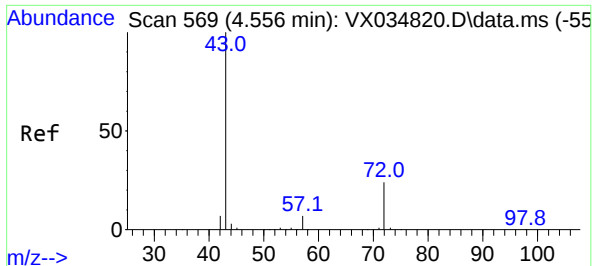
Tgt Ion: 43 Resp: 5178
Ion Ratio Lower Upper
43 100
74 16.8 18.3 27.5#



#20
Methylene Chloride
Concen: 383.822 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Tgt Ion: 84 Resp: 1165595
Ion Ratio Lower Upper
84 100
49 123.8 103.8 155.8
51 38.6 31.8 47.8
86 63.9 51.4 77.2

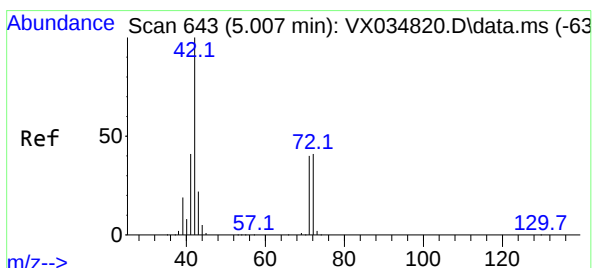
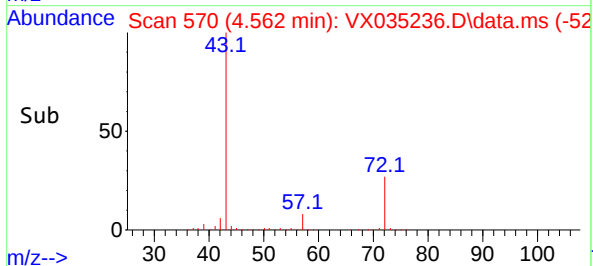
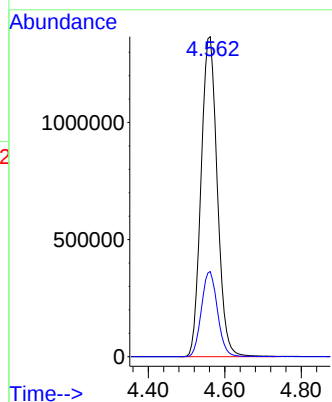
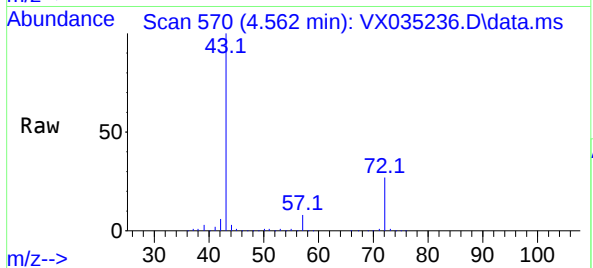




#25
2-Butanone
Concen: 1795.343 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

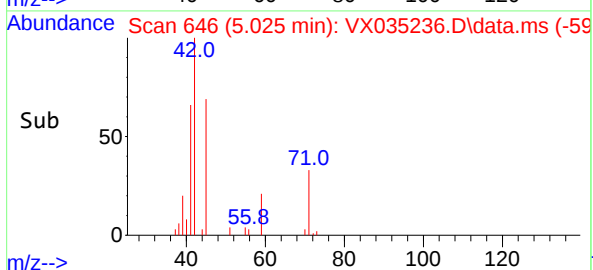
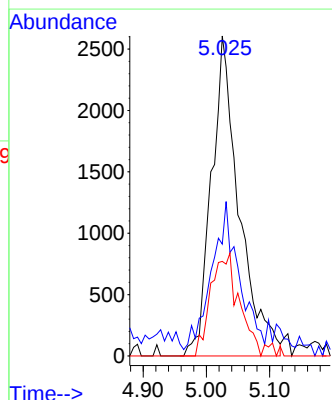
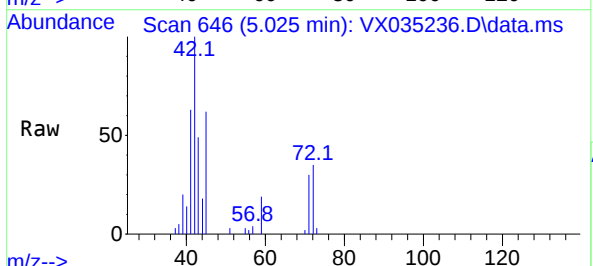
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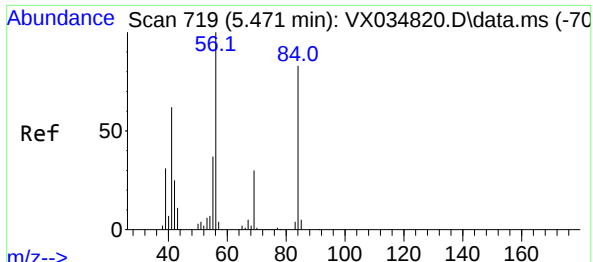
Tgt Ion: 43 Resp: 4019016
Ion Ratio Lower Upper
43 100
72 26.6 19.3 28.9



#29
Tetrahydrofuran
Concen: 5.653 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

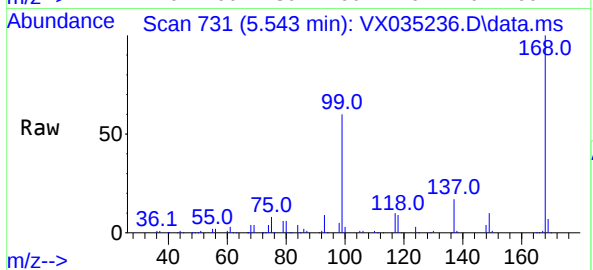
Tgt Ion: 42 Resp: 7927
Ion Ratio Lower Upper
42 100
72 45.3 34.5 51.7
71 32.8 32.1 48.1



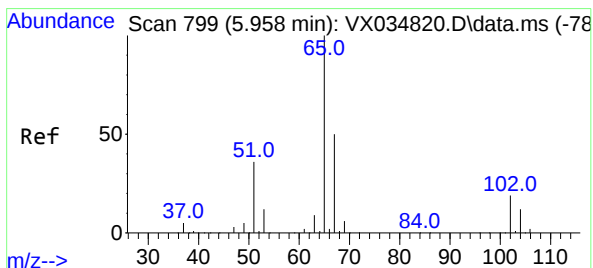
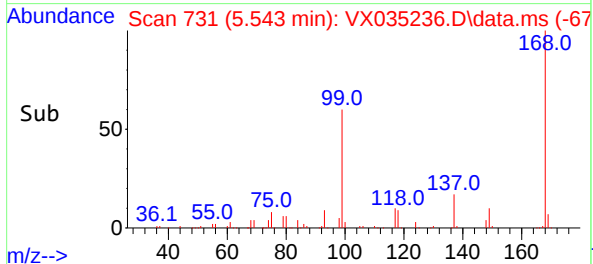
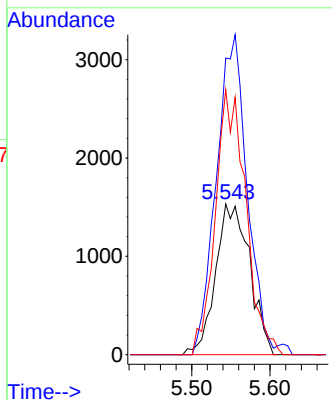


#31
Cyclohexane
Concen: 1.003 ug/l
RT: 5.543 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Instrument :
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ClientSampleId :
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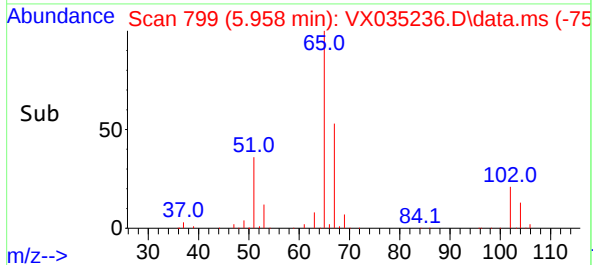
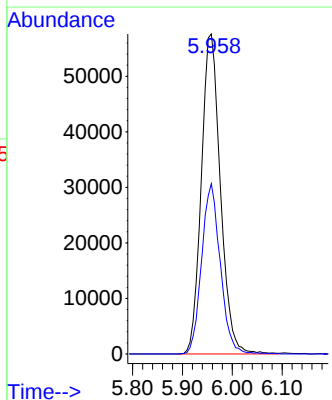
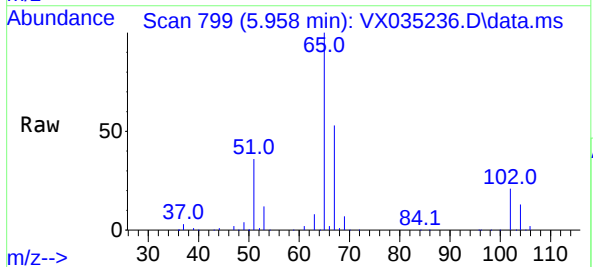


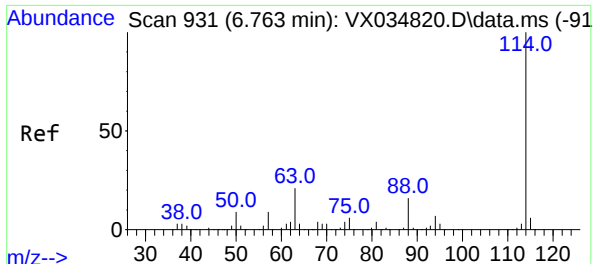
Tgt Ion: 56 Resp: 4627
Ion Ratio Lower Upper
56 100
69 196.9 23.7 35.5#
84 175.8 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 40.453 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Tgt Ion: 65 Resp: 153248
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.0

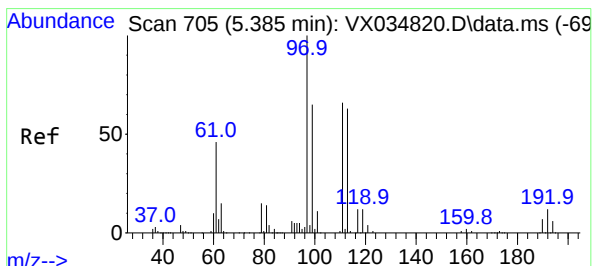
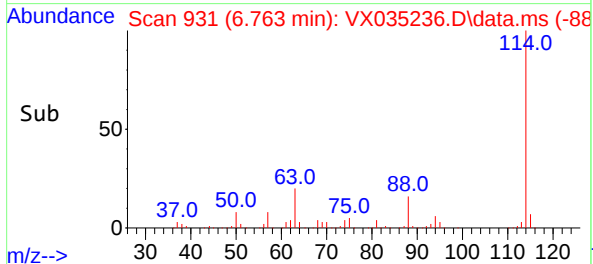
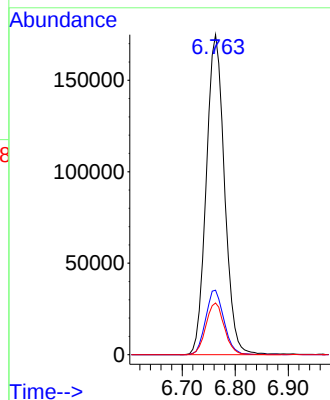
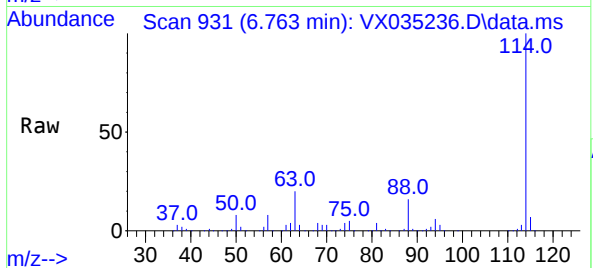




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

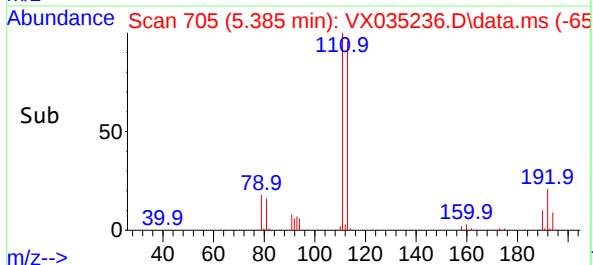
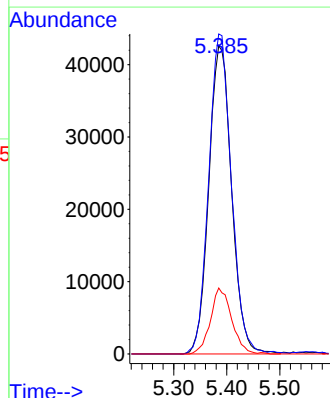
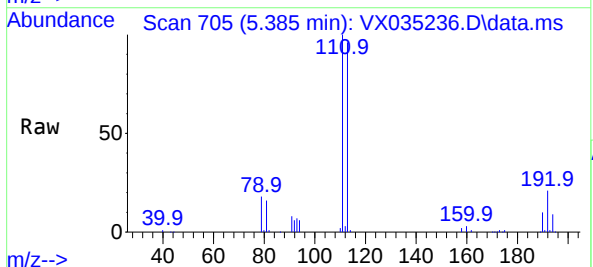
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

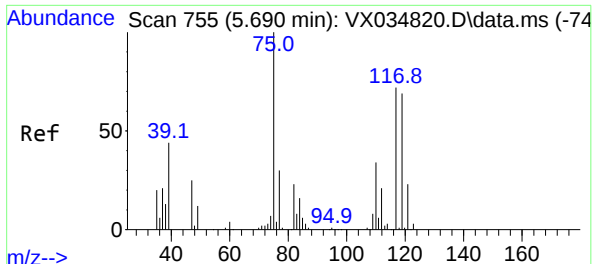
Tgt Ion:114 Resp: 417175
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.2
88 16.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 46.151 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

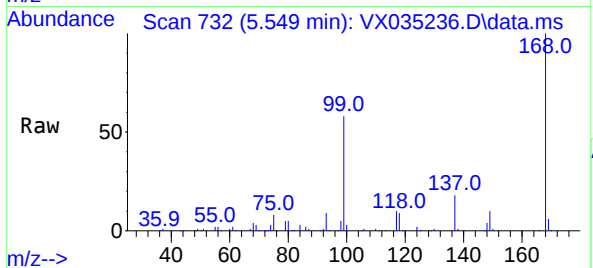
Tgt Ion:113 Resp: 127343
Ion Ratio Lower Upper
113 100
111 103.0 83.7 125.5
192 19.8 15.4 23.2



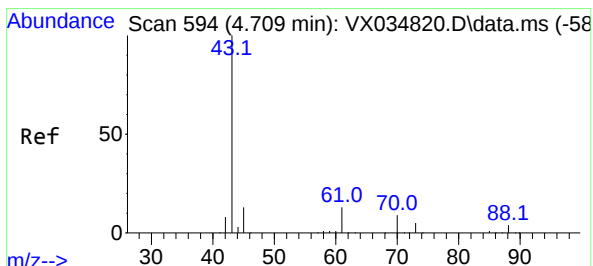
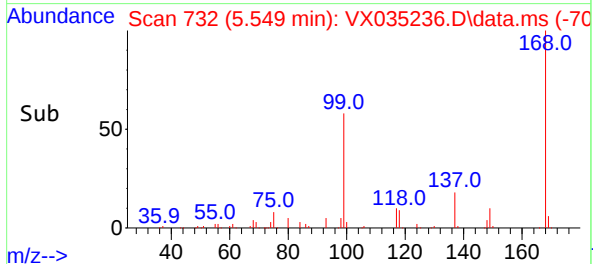
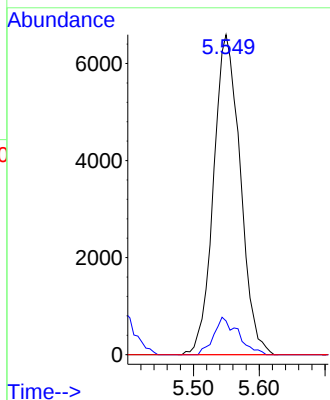


#36
1,1-Dichloropropene
Concen: 4.553 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.141 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Instrument :
MSVOA_X
ClientSampleId :
COMP-3

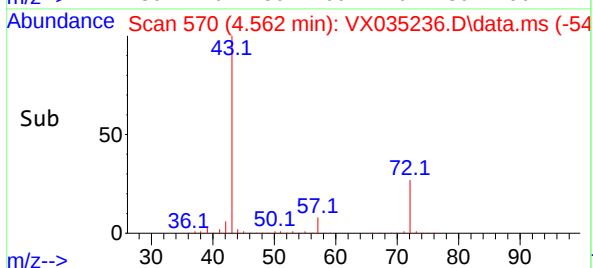
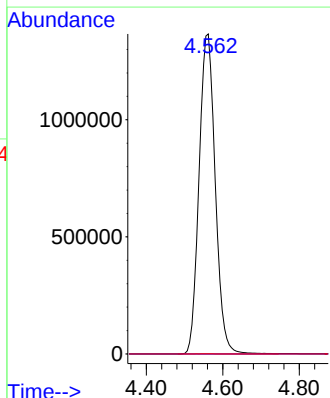
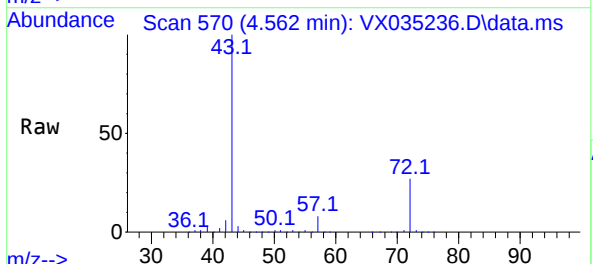


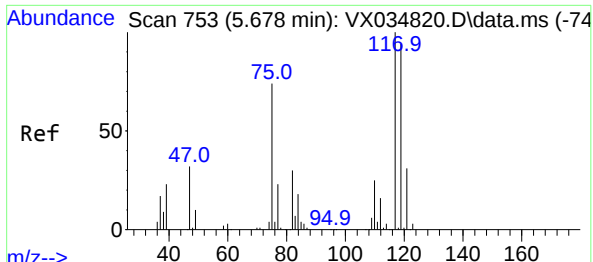
Tgt Ion: 75 Resp: 18611
Ion Ratio Lower Upper
75 100
110 10.7 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 940.241 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.147 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

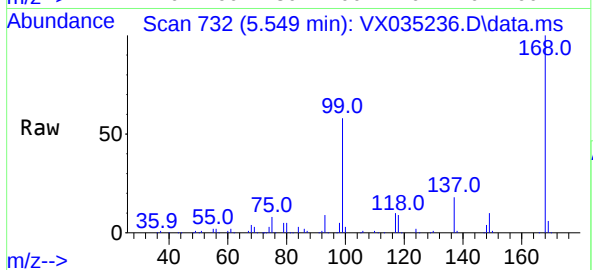
Tgt Ion: 43 Resp: 4019016
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.1 8.2 12.4#



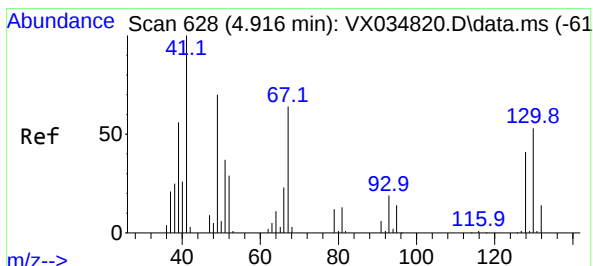
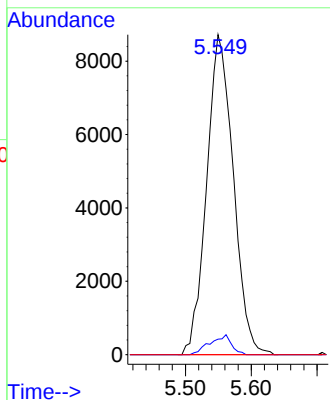
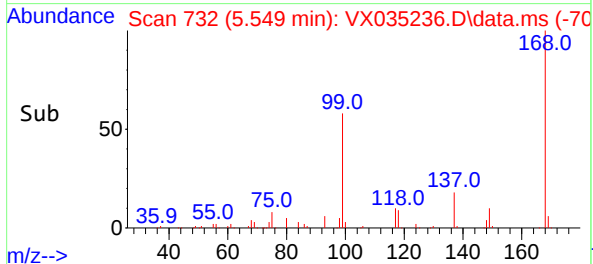


#38
Carbon Tetrachloride
Concen: 6.379 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

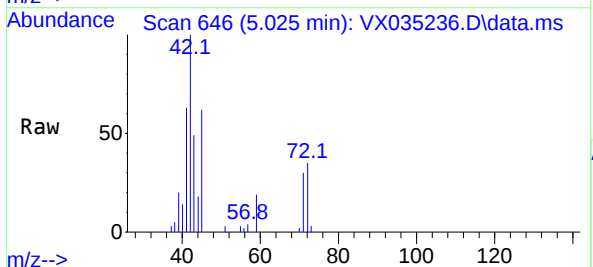
Instrument :
MSVOA_X
ClientSampleId :
COMP-3



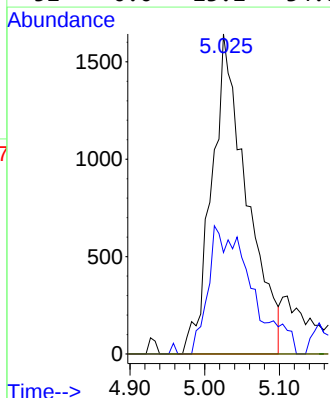
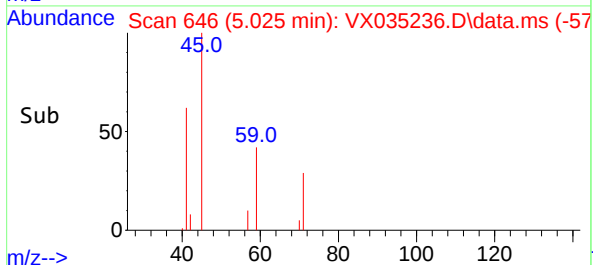
Tgt Ion:117 Resp: 24585
Ion Ratio Lower Upper
117 100
119 4.9 76.6 114.8#
121 0.0 23.8 35.6#

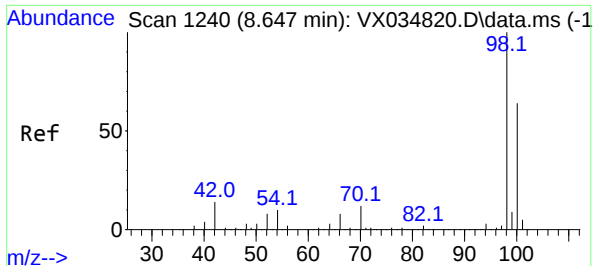


#41
Methacrylonitrile
Concen: 2.308 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.109 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13



Tgt Ion: 41 Resp: 5365
Ion Ratio Lower Upper
41 100
39 18.3 45.0 67.6#
67 0.0 55.6 83.4#
52 0.0 23.2 34.8#





#50

Toluene-d8

Concen: 48.431 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035236.D

Acq: 21 Apr 2023 17:13

Instrument :

MSVOA_X

ClientSampleId :

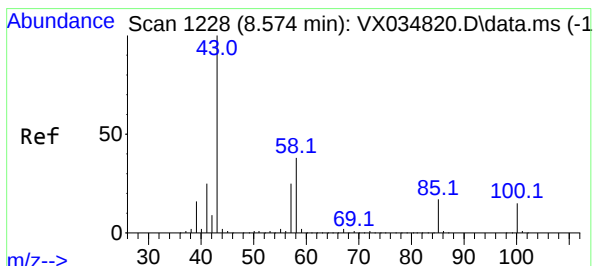
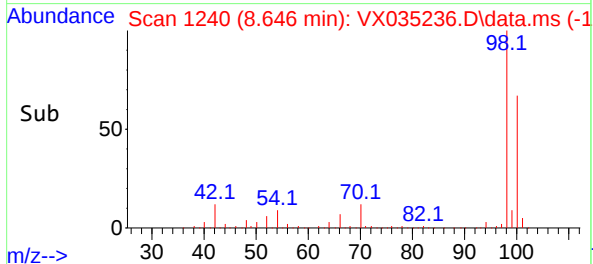
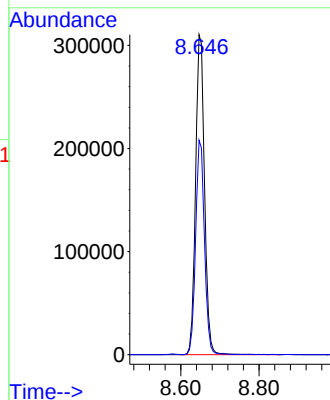
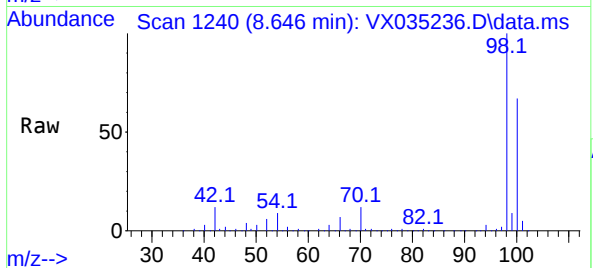
COMP-3

Tgt Ion: 98 Resp: 493254

Ion Ratio Lower Upper

98 100

100 66.3 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 1.693 ug/l

RT: 8.579 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX035236.D

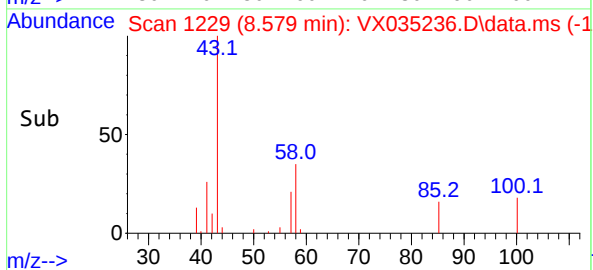
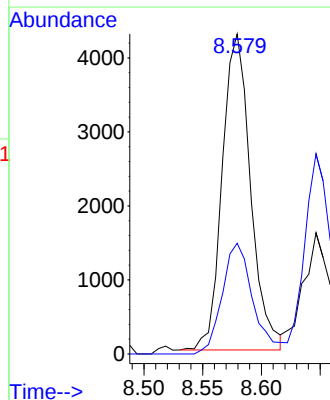
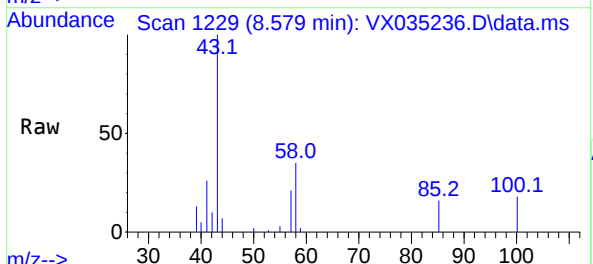
Acq: 21 Apr 2023 17:13

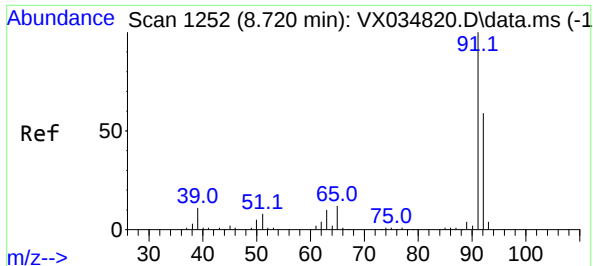
Tgt Ion: 43 Resp: 7164

Ion Ratio Lower Upper

43 100

58 38.6 30.6 46.0

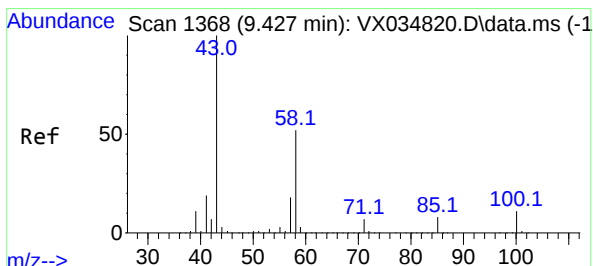
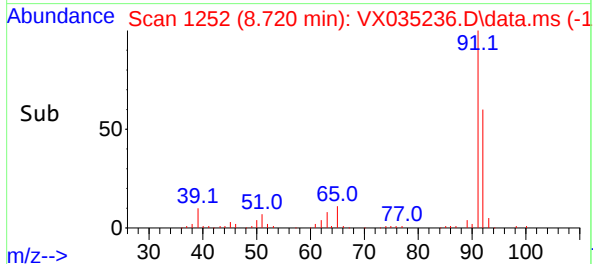
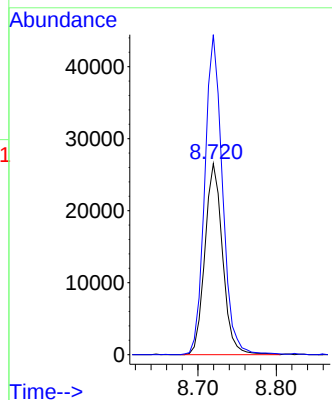
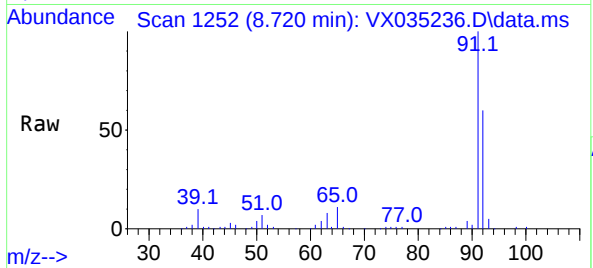




#52
Toluene
Concen: 5.433 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

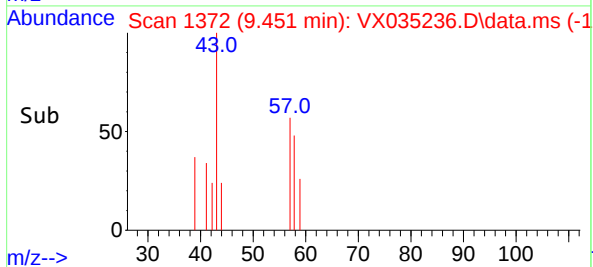
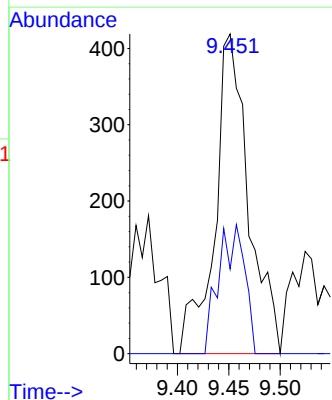
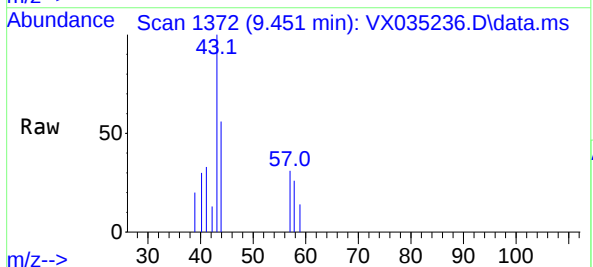
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

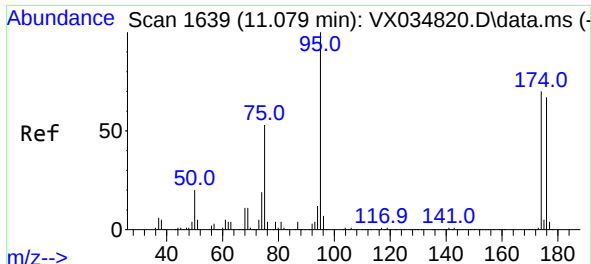
Tgt Ion: 92 Resp: 41570
Ion Ratio Lower Upper
92 100
91 167.7 136.8 205.2



#59
2-Hexanone
Concen: 0.298 ug/l
RT: 9.451 min Scan# 1372
Delta R.T. 0.024 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Tgt Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
58 31.2 26.3 78.9

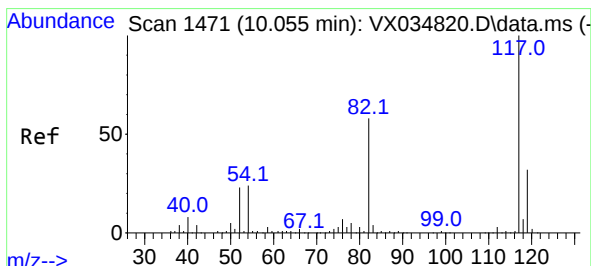
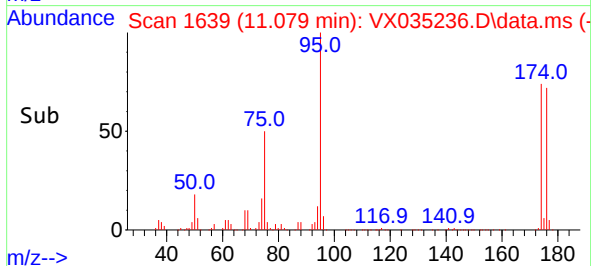
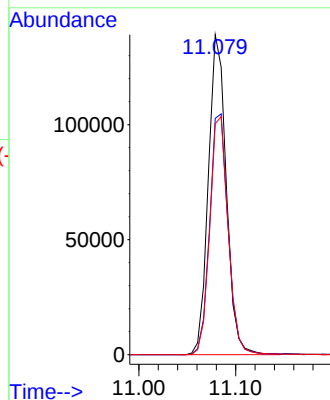
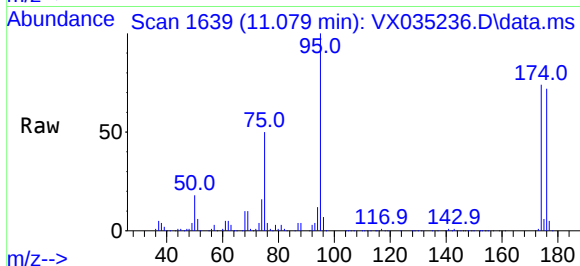




#62
4-Bromofluorobenzene
Concen: 45.482 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

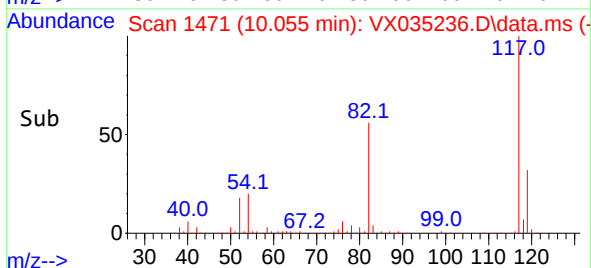
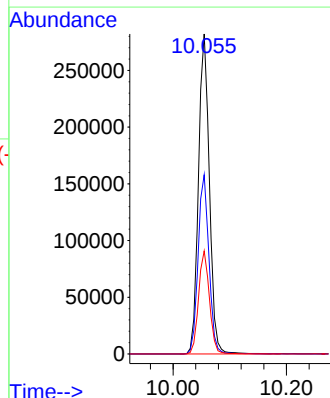
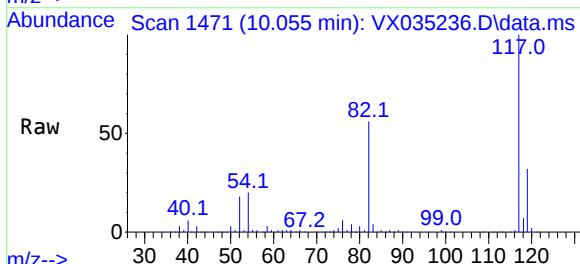
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

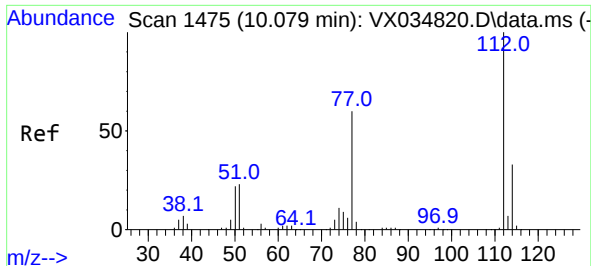
Tgt Ion: 95 Resp: 179252
Ion Ratio Lower Upper
95 100
174 77.3 0.0 147.4
176 76.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Tgt Ion: 117 Resp: 376926
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.4
119 32.2 26.0 39.0

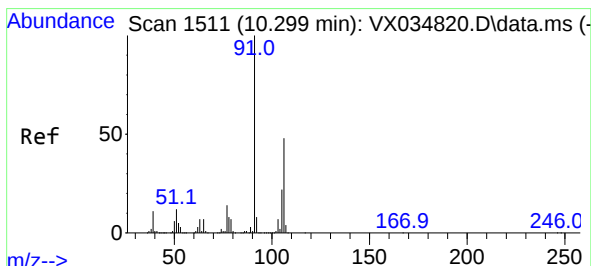
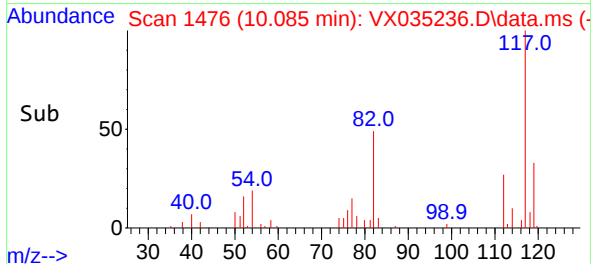
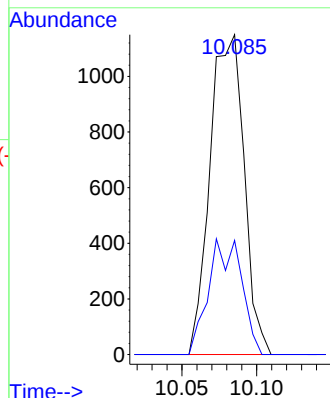
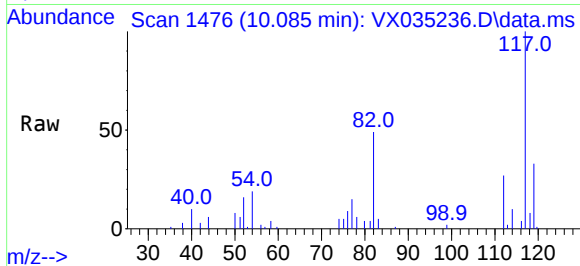




#65
Chlorobenzene
Concen: 0.232 ug/l
RT: 10.085 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

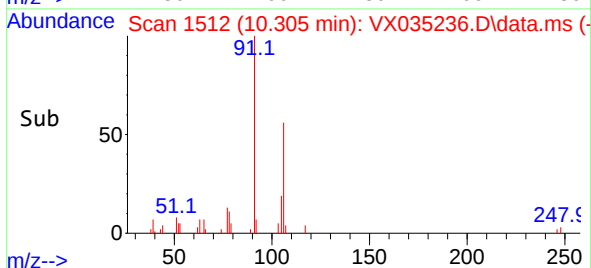
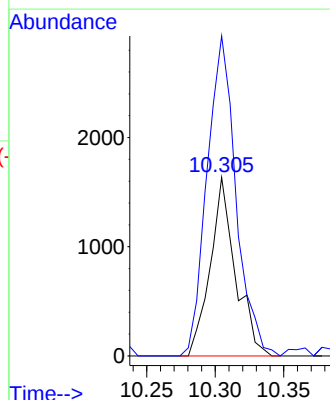
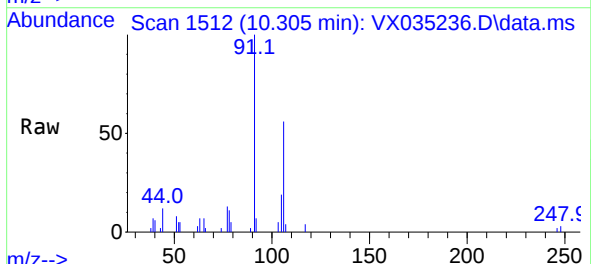
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

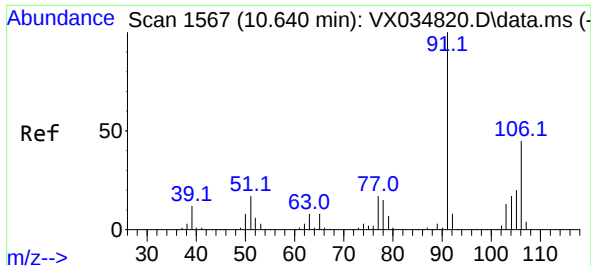
Tgt Ion:112 Resp: 1820
Ion Ratio Lower Upper
112 100
114 35.7 26.2 39.2



#68
m/p-Xylenes
Concen: 0.386 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Tgt Ion:106 Resp: 2093
Ion Ratio Lower Upper
106 100
91 205.6 164.0 246.0

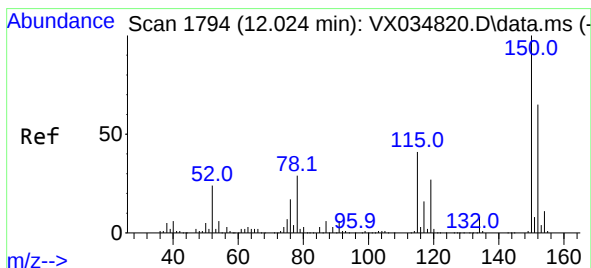
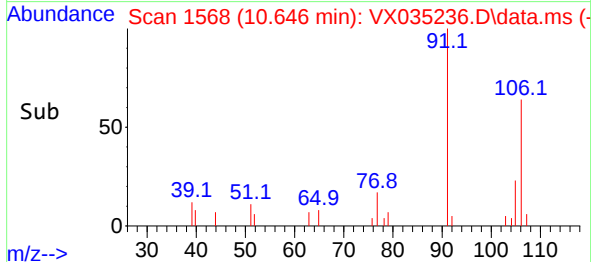
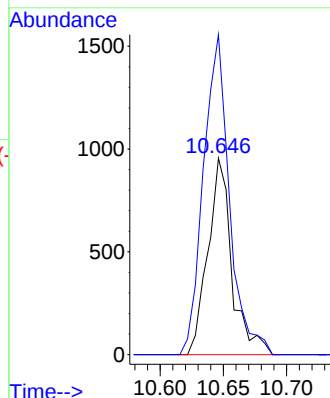
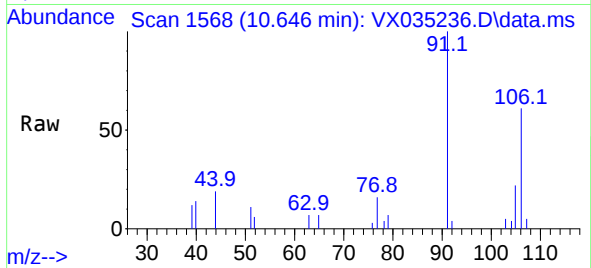




#69
o-Xylene
Concen: 0.237 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

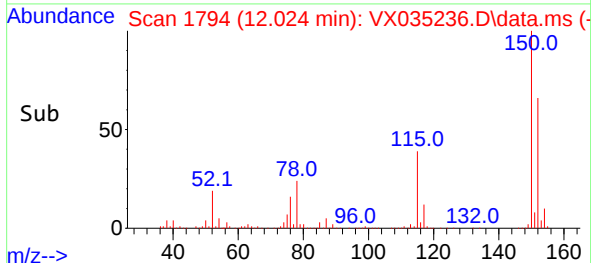
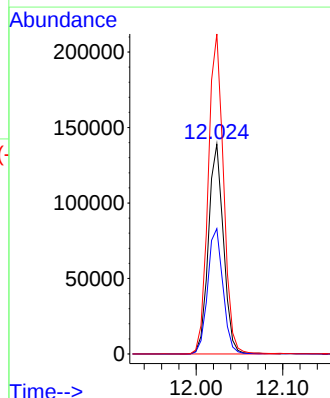
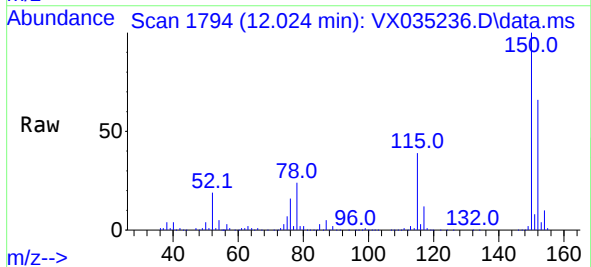
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

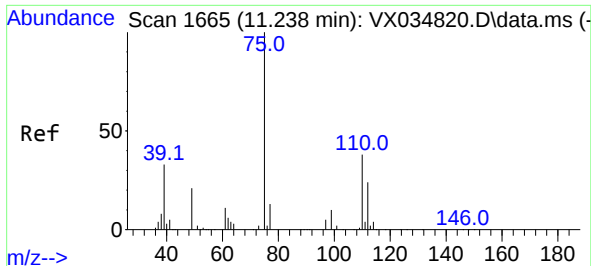
Tgt Ion:106 Resp: 1261
Ion Ratio Lower Upper
106 100
91 176.6 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Tgt Ion:152 Resp: 167689
Ion Ratio Lower Upper
152 100
115 60.7 45.0 135.0
150 155.6 0.0 352.4

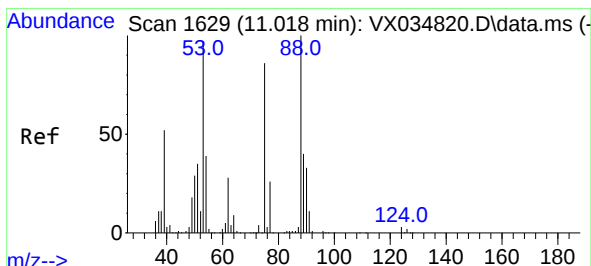
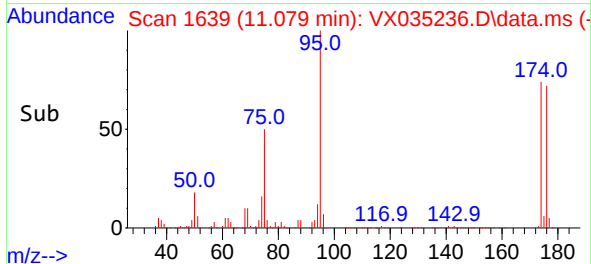
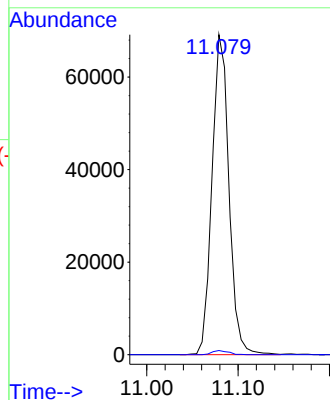
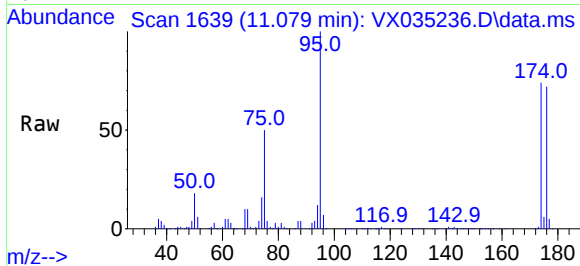




#76
1,2,3-Trichloropropane
Concen: 26.258 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

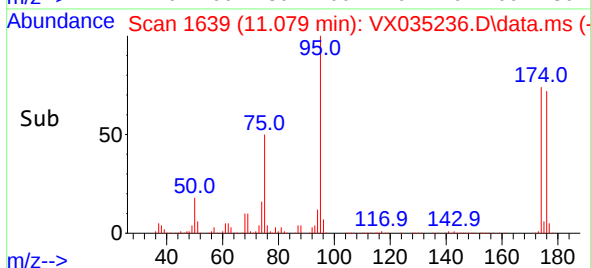
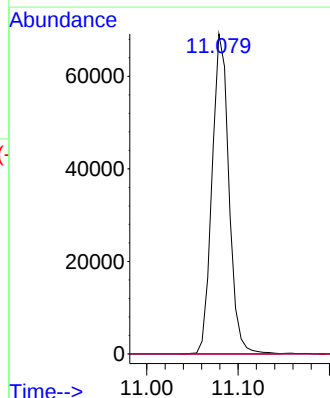
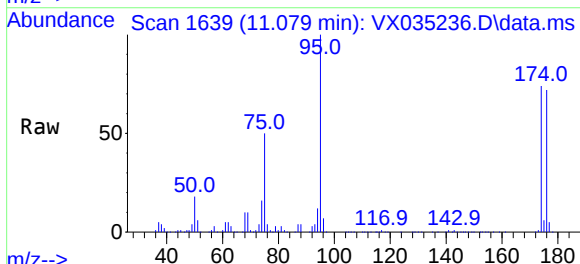
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

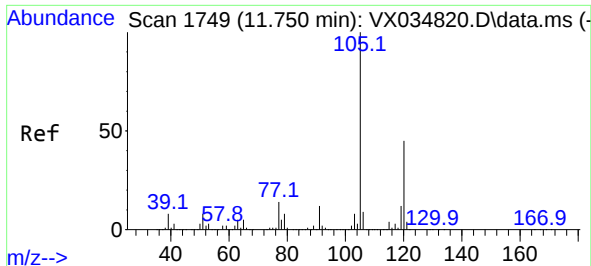
Tgt Ion: 75 Resp: 88720
Ion Ratio Lower Upper
75 100
77 1.3 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.693 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Tgt Ion: 75 Resp: 88720
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

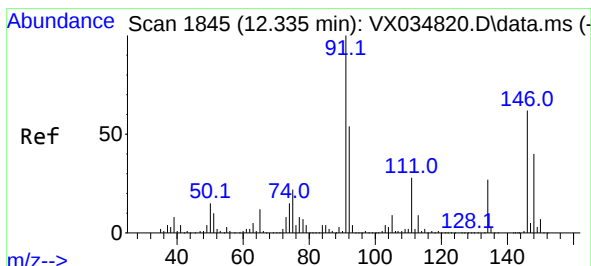
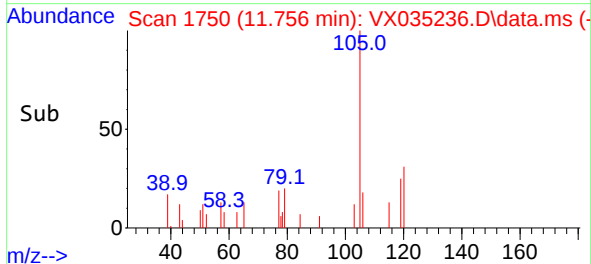
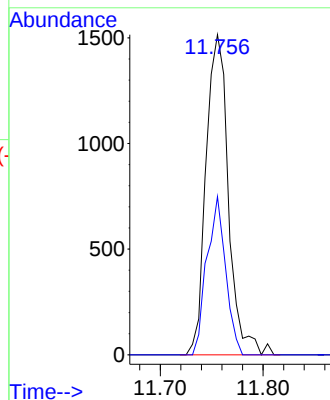
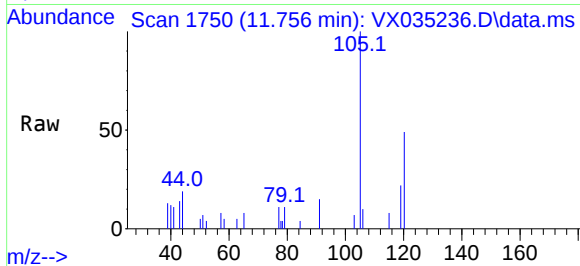




#84
1,2,4-Trimethylbenzene
Concen: 0.221 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

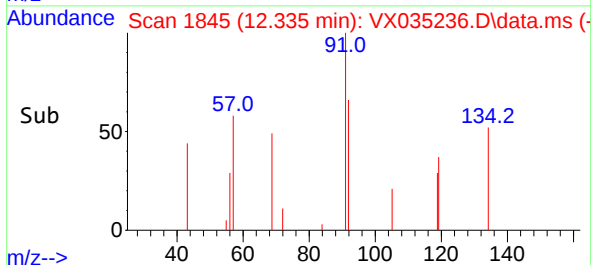
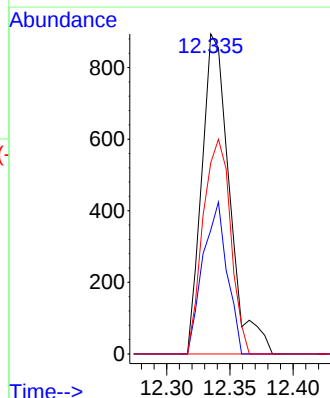
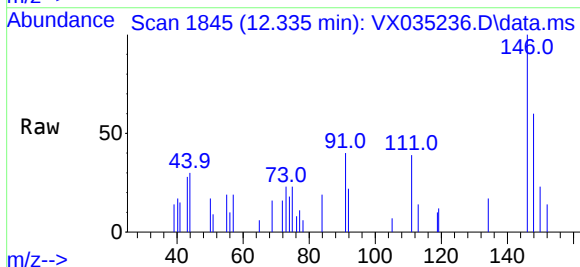
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

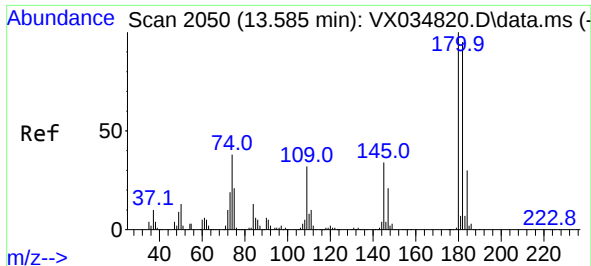
Tgt Ion:105 Resp: 2304
Ion Ratio Lower Upper
105 100
120 41.3 22.4 67.0



#91
1,2-Dichlorobenzene
Concen: 0.245 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Tgt Ion:146 Resp: 1362
Ion Ratio Lower Upper
146 100
111 41.4 22.0 66.0
148 66.7 32.0 96.0

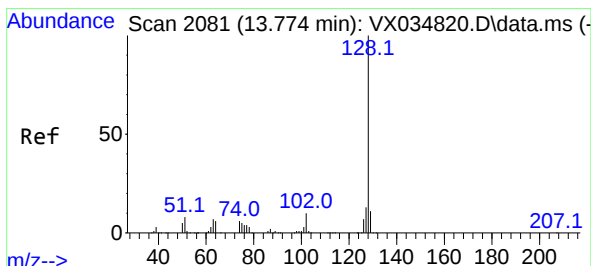
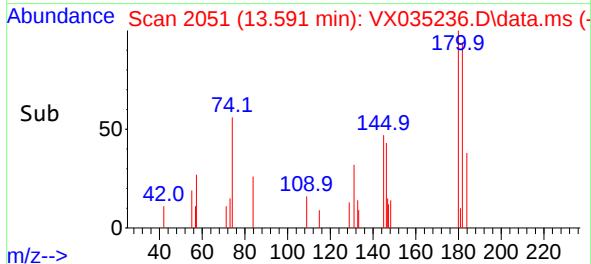
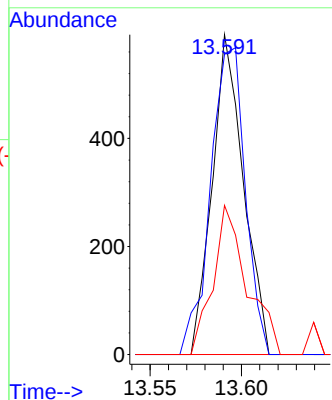
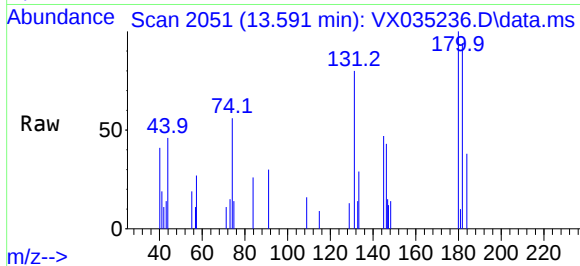




#93
1,2,4-Trichlorobenzene
Concen: 0.225 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Instrument :
MSVOA_X
ClientSampleId :
COMP-3

Tgt Ion:180 Resp: 706
Ion Ratio Lower Upper
180 100
182 106.7 47.0 141.0
145 51.0 15.9 47.7#



#95
Naphthalene
Concen: 0.317 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX035236.D
Acq: 21 Apr 2023 17:13

Tgt Ion:128 Resp: 3535
Ion Ratio Lower Upper
128 100
127 14.5 10.2 15.4
129 9.4 8.6 13.0

