

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122122\
 Data File : VX033533.D
 Acq On : 21 Dec 2022 14:42
 Operator : JC/MD
 Sample : N6160-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-3051

Quant Time: Dec 22 03:58:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

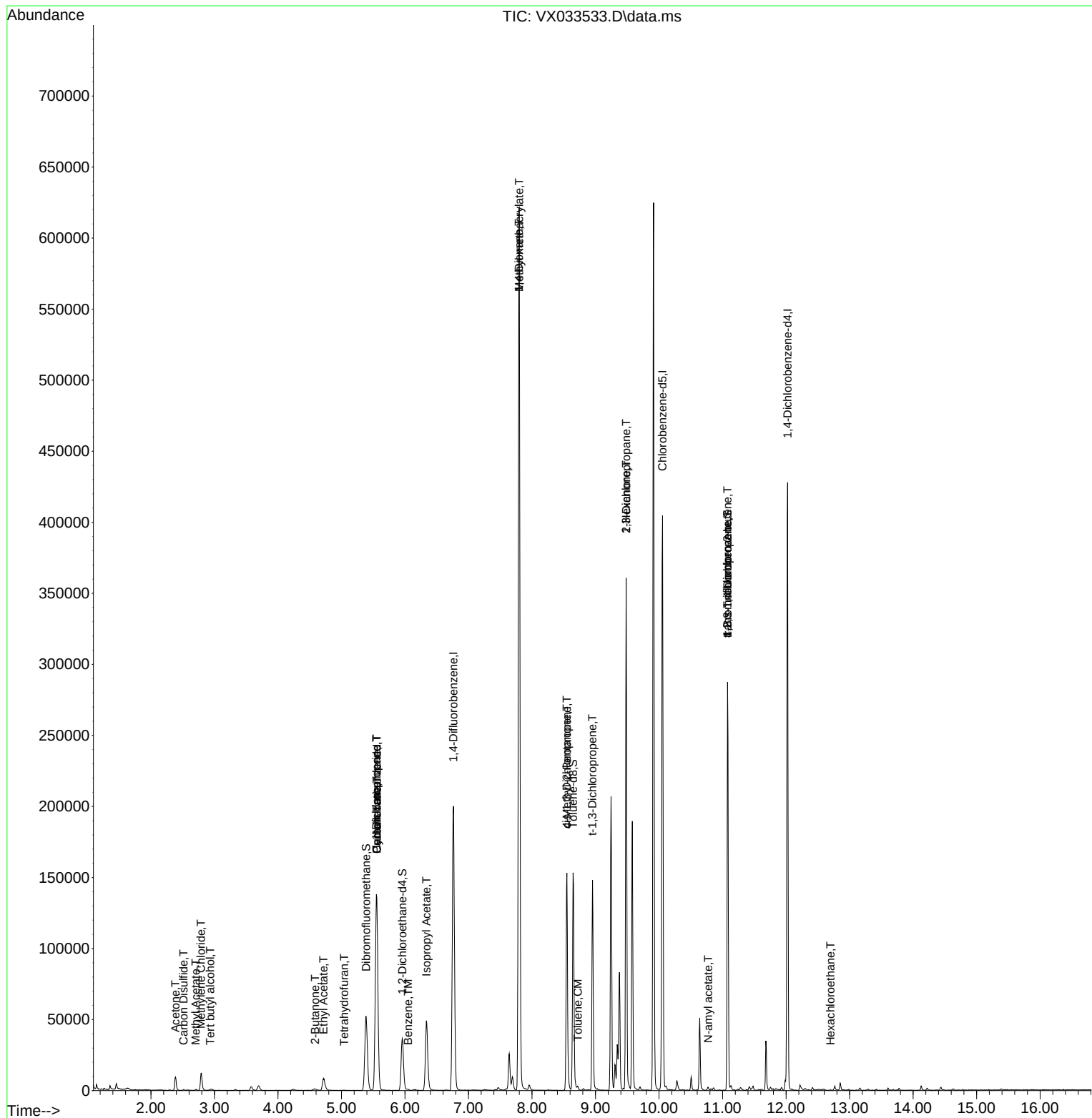
Internal Standards						
1) Pentafluorobenzene	5.556	168	138829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	217924	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	37046	41.595	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.180%		
35) Dibromofluoromethane	5.385	113	46739	47.684	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.360%		
50) Toluene-d8	8.647	98	95150	46.404	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.800%		
62) 4-Bromofluorobenzene	11.079	95	76597	48.855	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.720%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	743	2.729	ug/l #	72
16) Acetone	2.386	43	11081	16.814	ug/l	90
17) Carbon Disulfide	2.514	76	828	0.256	ug/l #	74
18) Methyl Acetate	2.703	43	896	0.470	ug/l	96
20) Methylene Chloride	2.788	84	6562	4.465	ug/l #	87
25) 2-Butanone	4.587	43	2151	2.274	ug/l	94
29) Tetrahydrofuran	5.044	42	207	0.338	ug/l #	46
31) Cyclohexane	5.556	56	2389	1.129	ug/l #	7
36) 1,1-Dichloropropene	5.550	75	9356	4.896	ug/l #	50
37) Ethyl Acetate	4.715	43	15436	8.545	ug/l	98
38) Carbon Tetrachloride	5.556	117	13293	6.208	ug/l #	16
40) Benzene	6.050	78	1186	0.213	ug/l	90
43) Isopropyl Acetate	6.336	43	65595	22.568	ug/l	95
48) Methyl methacrylate	7.799	41	52592	35.059	ug/l #	41
49) 1,4-Dioxane	7.793	88	40	1.169	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	51555	28.048	ug/l #	50
52) Toluene	8.720	92	974	0.270	ug/l	91
53) t-1,3-Dichloropropene	8.952	75	389	2.668	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	26106	11.594	ug/l #	53
57) 1,3-Dichloropropane	9.482	76	3147	1.294	ug/l #	42
59) 2-Hexanone	9.482	43	39505	29.165	ug/l #	54
74) N-amyl acetate	10.775	43	1328	0.581	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	37165	19.748	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37165	61.428	ug/l #	6
90) Hexachloroethane	12.701	117	198	0.208	ug/l #	12

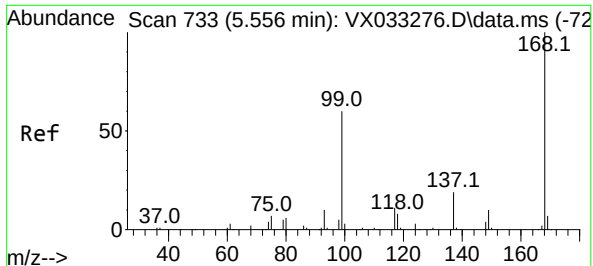
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122122\
Data File : VX033533.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
COMP-3051

Quant Time: Dec 22 03:58:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration

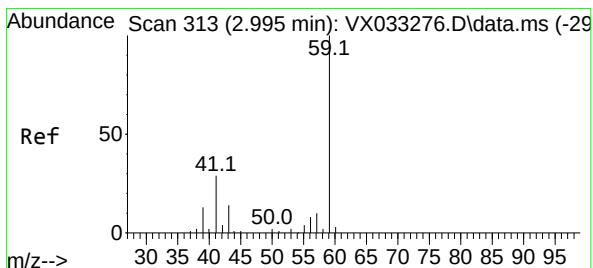
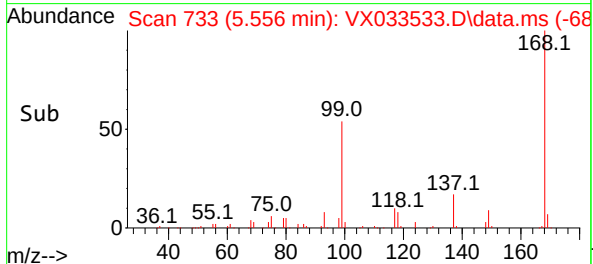
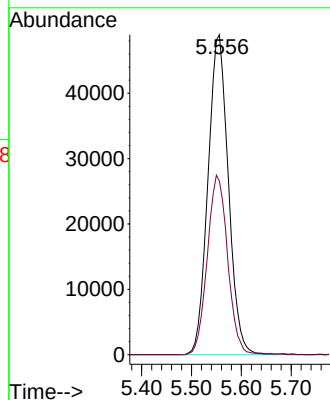
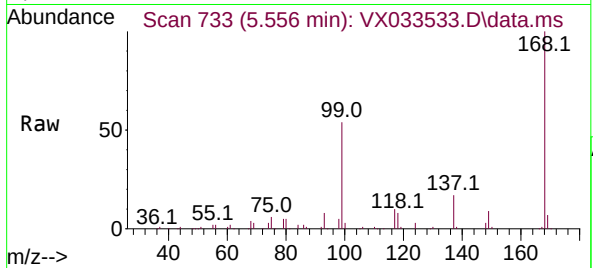




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

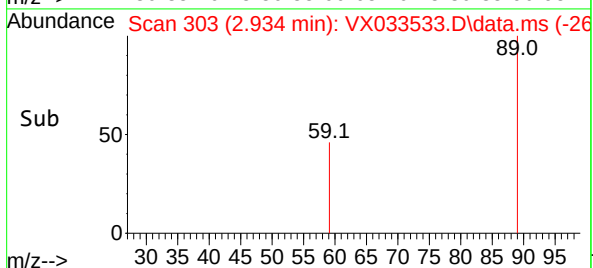
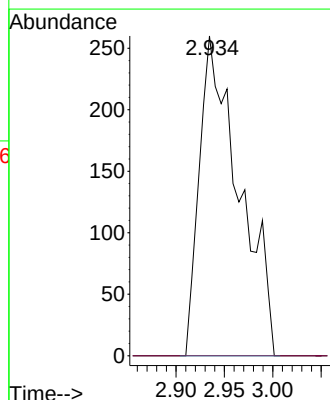
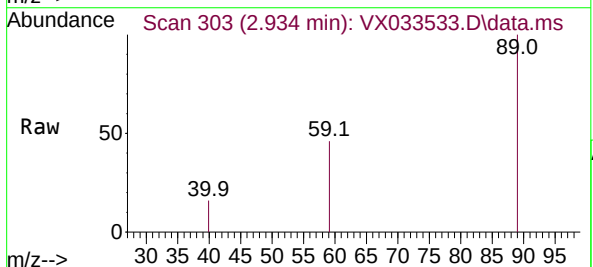
Instrument :
MSVOA_X
ClientSampleId :
COMP-3051

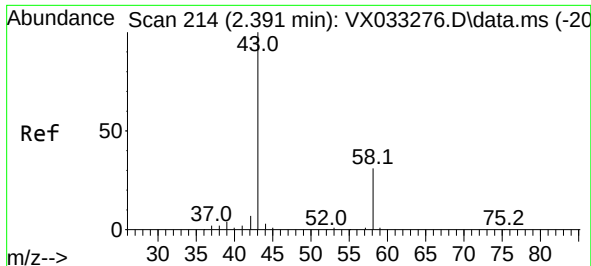
Tgt Ion:168 Resp: 138829
Ion Ratio Lower Upper
168 100
99 54.2 46.1 69.1



#11
Tert butyl alcohol
Concen: 2.729 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.061 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

Tgt Ion: 59 Resp: 743
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

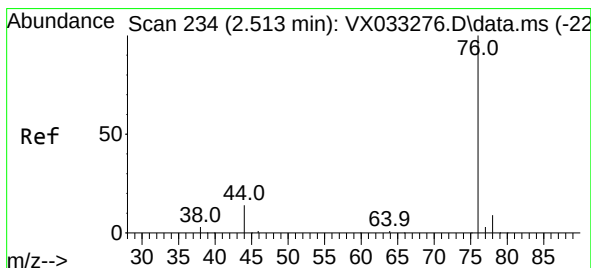
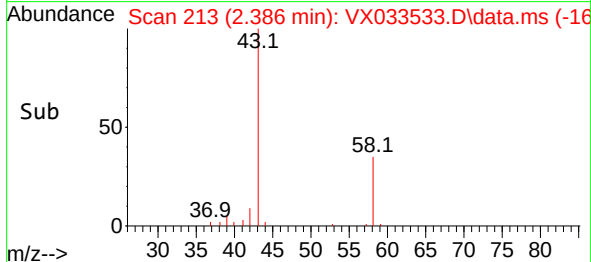
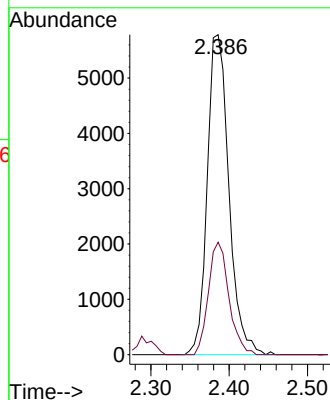
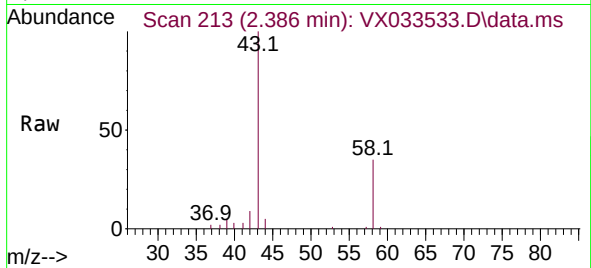




#16
Acetone
Concen: 16.814 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

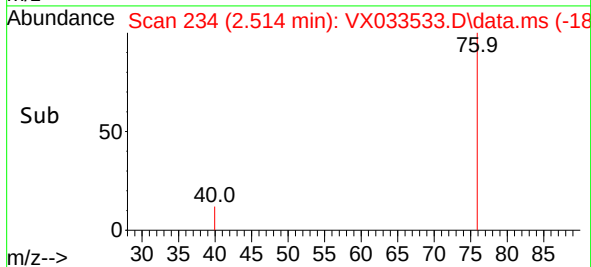
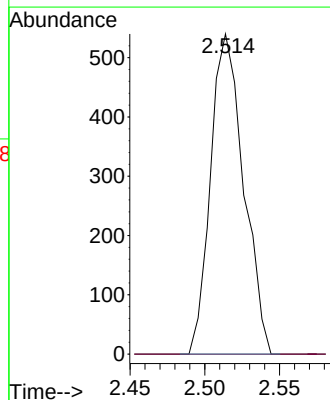
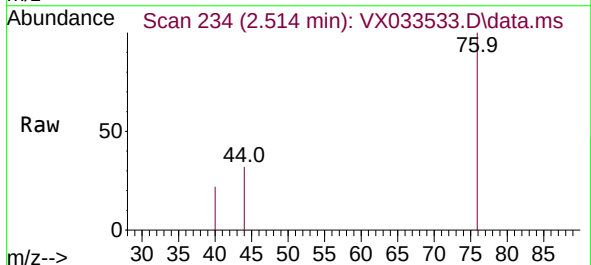
Instrument :
MSVOA_X
ClientSampleId :
COMP-3051

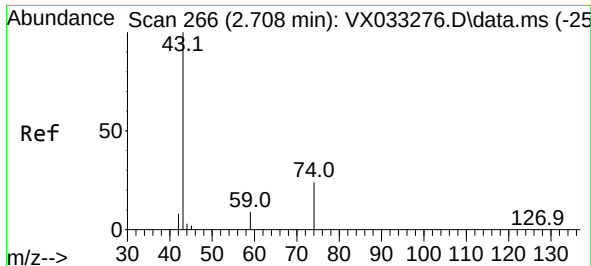
Tgt Ion: 43 Resp: 11081
Ion Ratio Lower Upper
43 100
58 35.1 23.8 35.8



#17
Carbon Disulfide
Concen: 0.256 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

Tgt Ion: 76 Resp: 828
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

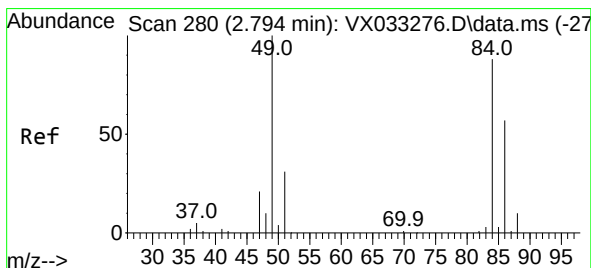
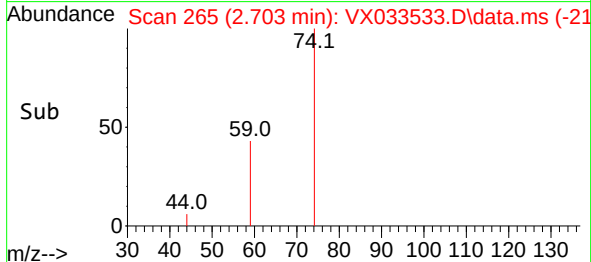
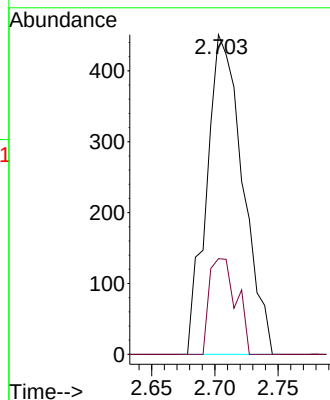
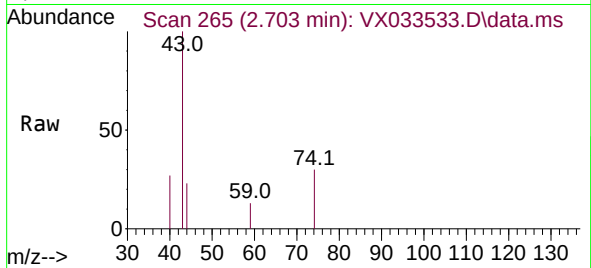




#18
Methyl Acetate
Concen: 0.470 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

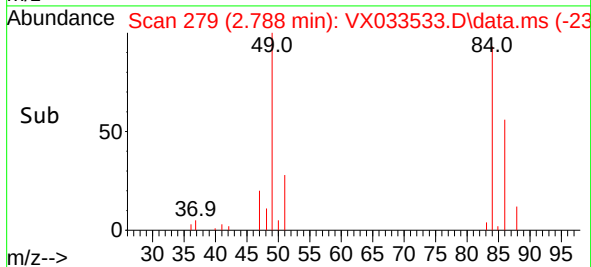
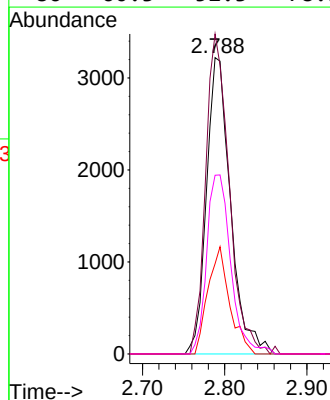
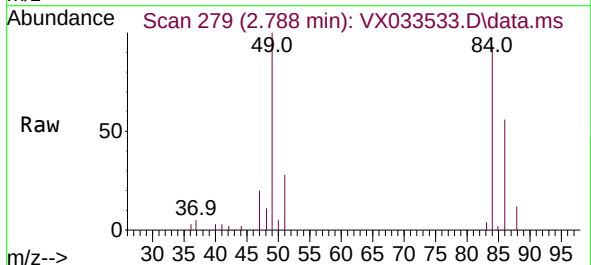
Instrument :
MSVOA_X
ClientSampleId :
COMP-3051

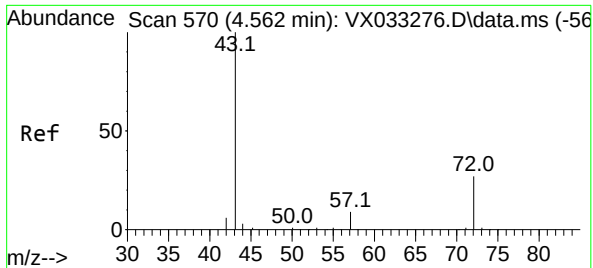
Tgt Ion: 43 Resp: 896
Ion Ratio Lower Upper
43 100
74 22.3 19.4 29.0



#20
Methylene Chloride
Concen: 4.465 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

Tgt Ion: 84 Resp: 6562
Ion Ratio Lower Upper
84 100
49 108.0 101.0 151.6
51 30.4 31.1 46.7#
86 60.3 52.3 78.5

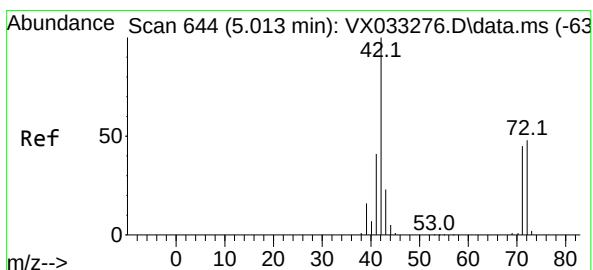
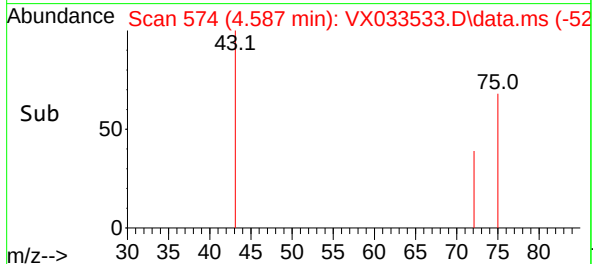
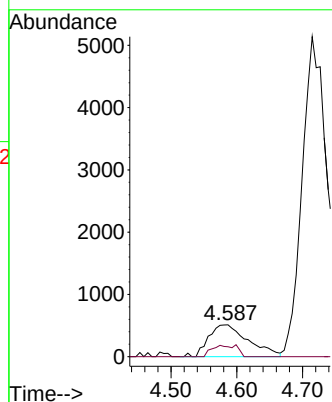
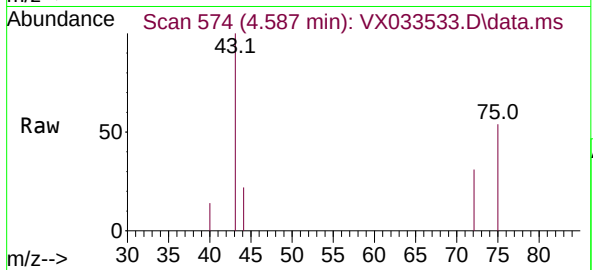




#25
2-Butanone
Concen: 2.274 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

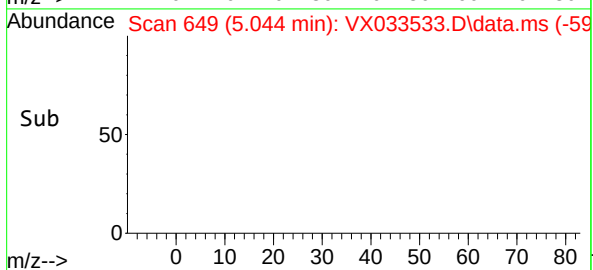
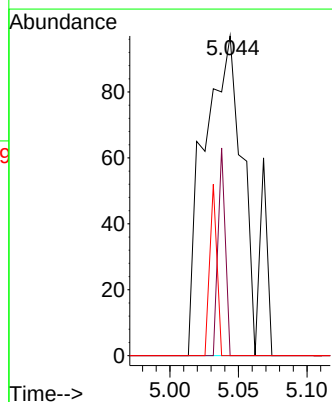
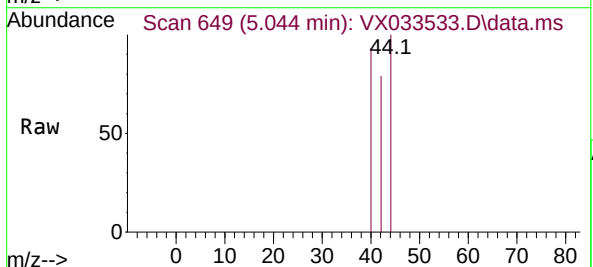
Instrument :
MSVOA_X
ClientSampleId :
COMP-3051

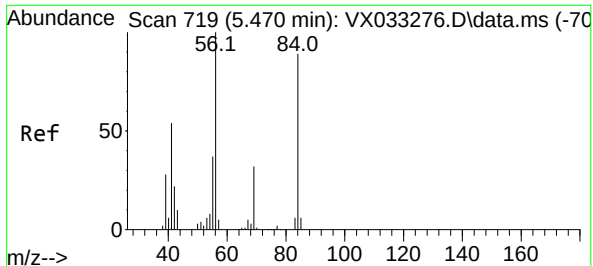
Tgt Ion: 43 Resp: 2151
Ion Ratio Lower Upper
43 100
72 31.1 22.2 33.2



#29
Tetrahydrofuran
Concen: 0.338 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

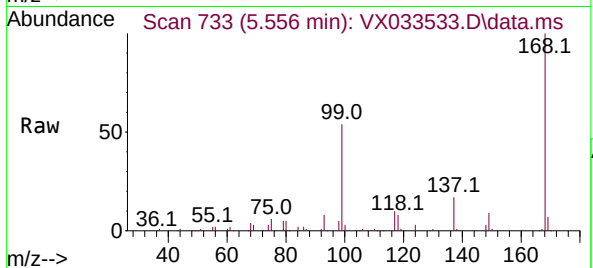
Tgt Ion: 42 Resp: 207
Ion Ratio Lower Upper
42 100
72 11.1 37.6 56.4#
71 9.2 34.7 52.1#



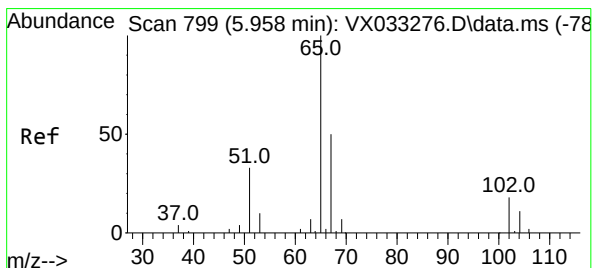
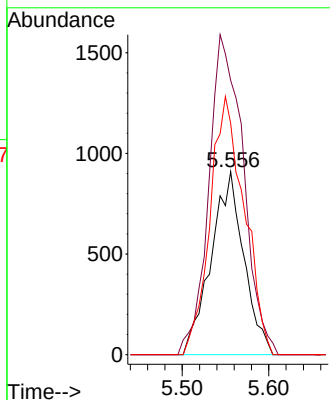
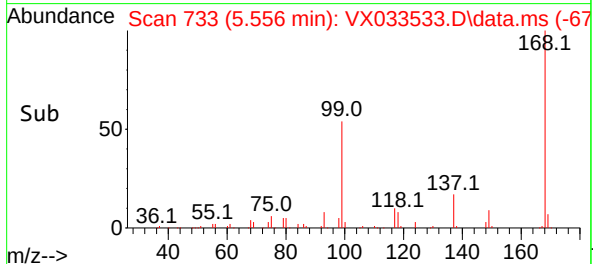


#31
Cyclohexane
Concen: 1.129 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

Instrument :
MSVOA_X
ClientSampleId :
COMP-3051

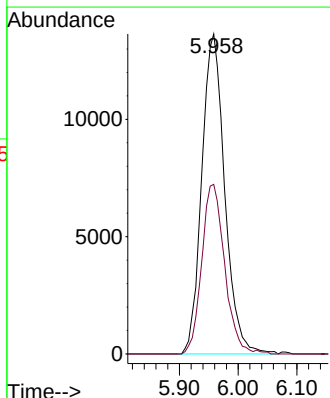
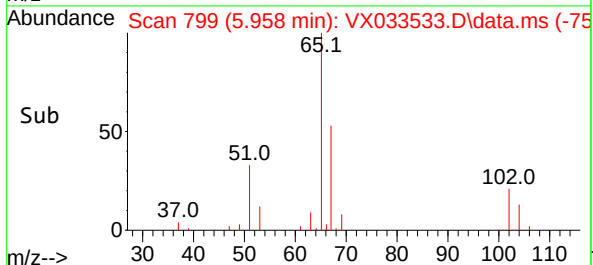
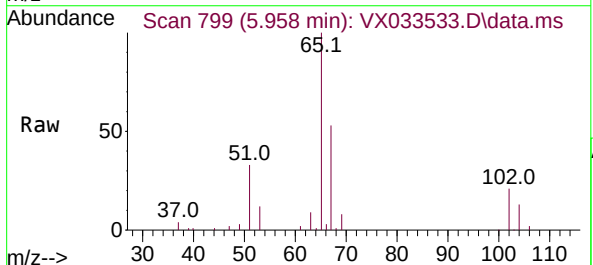


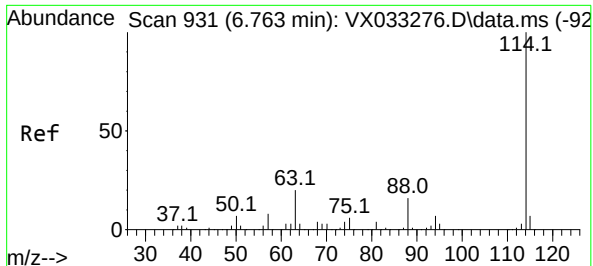
Tgt Ion: 56 Resp: 2389
Ion Ratio Lower Upper
56 100
69 149.9 24.1 36.1#
84 126.4 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 41.595 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

Tgt Ion: 65 Resp: 37046
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.8

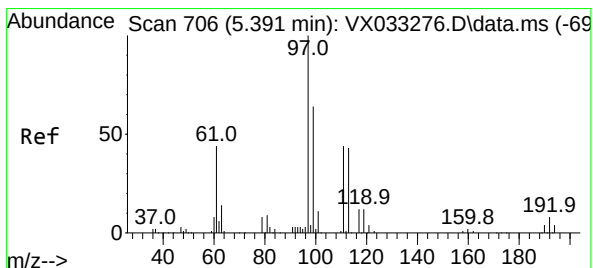
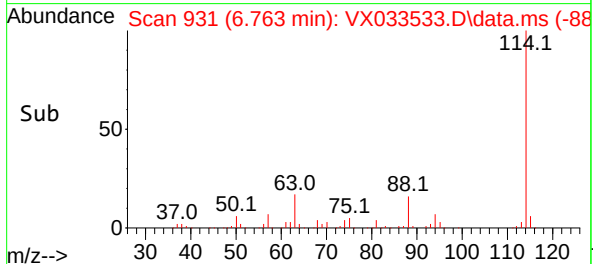
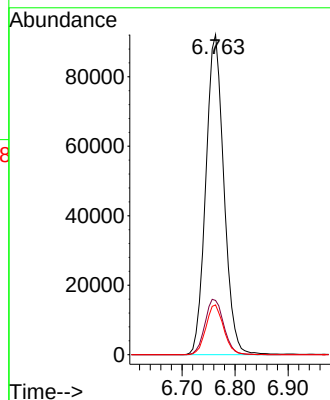
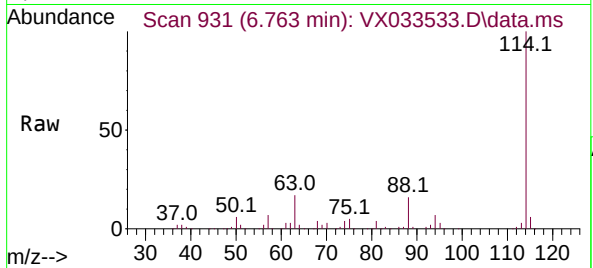




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

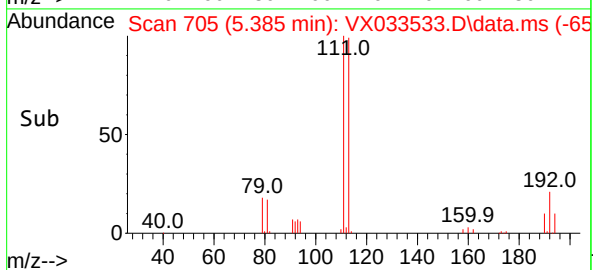
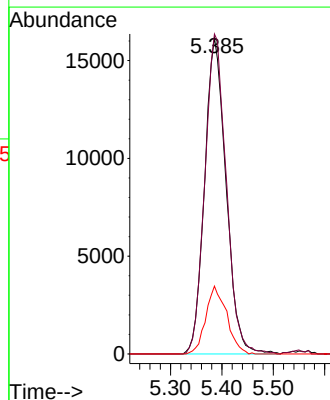
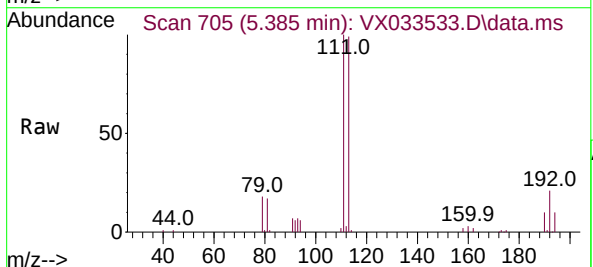
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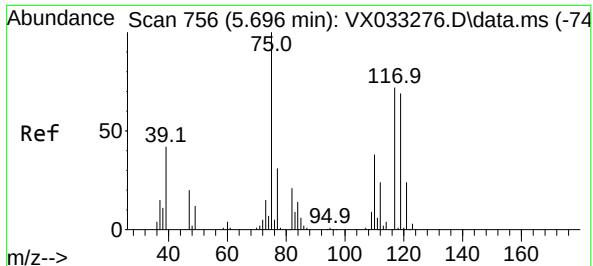
Tgt Ion:114 Resp: 217924
Ion Ratio Lower Upper
114 100
63 16.9 0.0 41.6
88 15.6 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.684 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

Tgt Ion:113 Resp: 46739
Ion Ratio Lower Upper
113 100
111 101.4 82.4 123.6
192 21.0 15.4 23.2

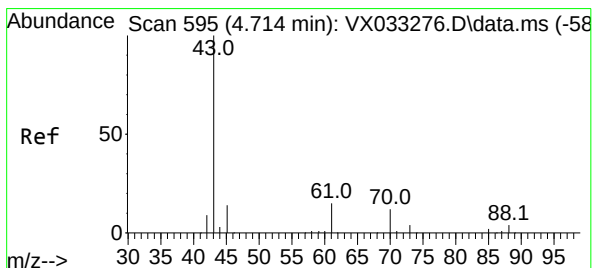
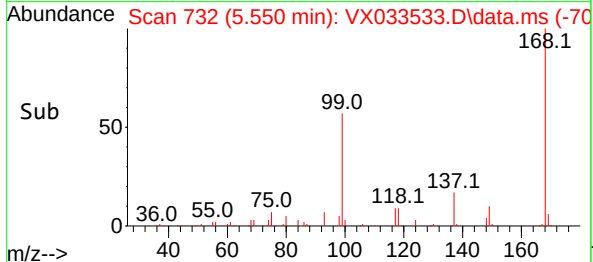
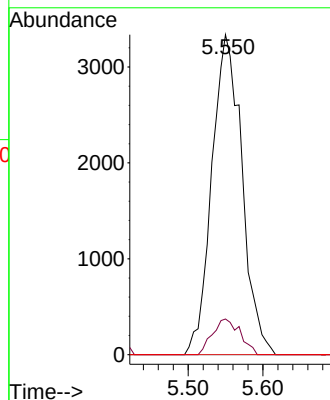
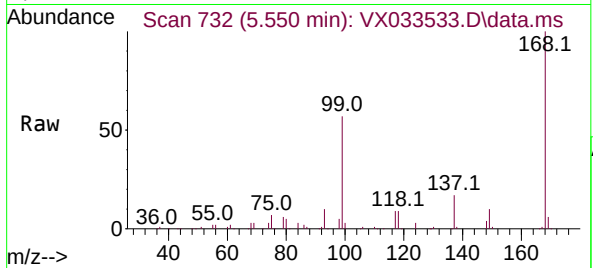




#36
1,1-Dichloropropene
Concen: 4.896 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

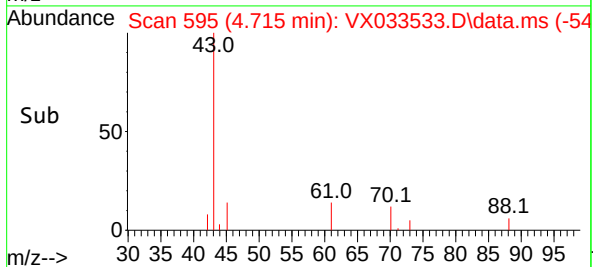
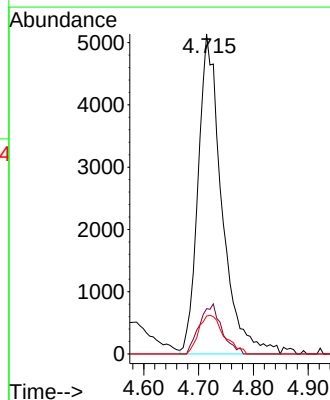
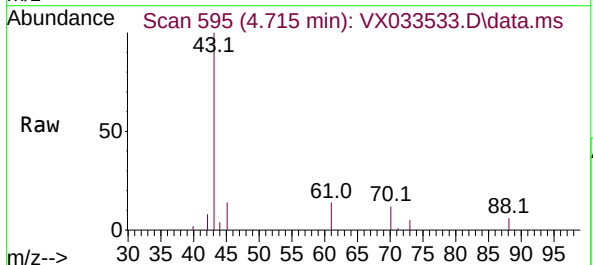
Instrument :
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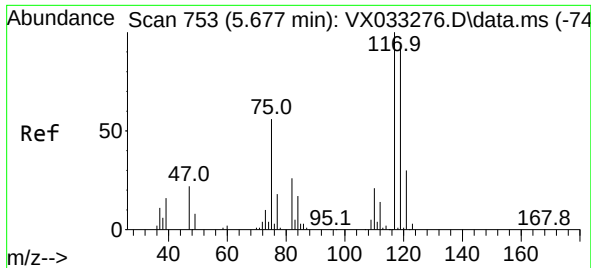
Tgt Ion: 75 Resp: 9356
Ion Ratio Lower Upper
75 100
110 10.2 18.4 55.2#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 8.545 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

Tgt Ion: 43 Resp: 15436
Ion Ratio Lower Upper
43 100
61 14.7 11.5 17.3
70 12.8 9.1 13.7

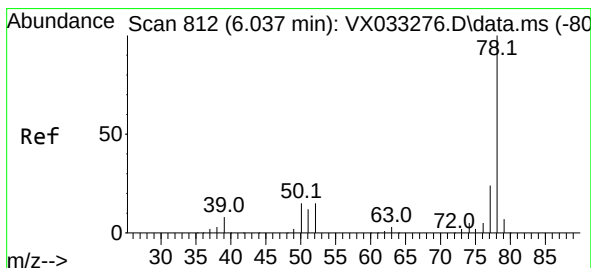
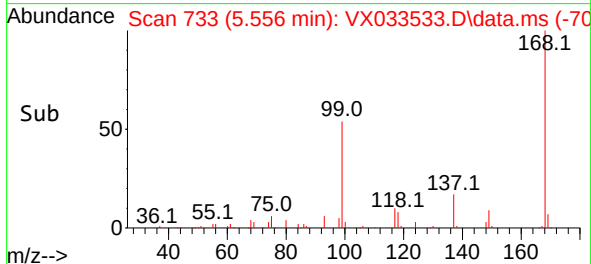
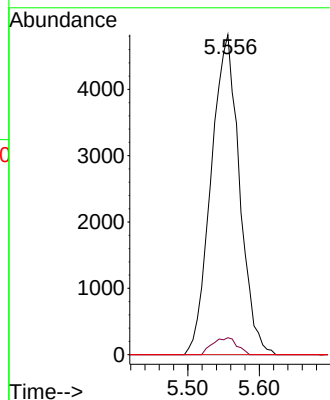
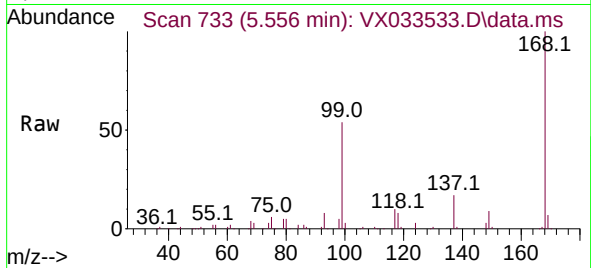




#38
Carbon Tetrachloride
Concen: 6.208 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

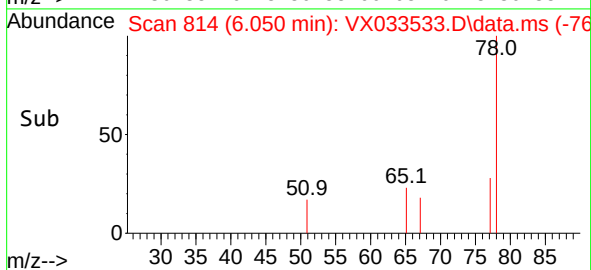
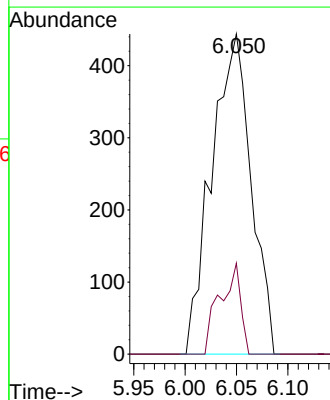
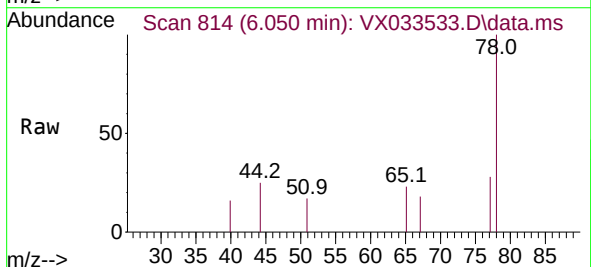
Instrument :
MSVOA_X
ClientSampleId :
COMP-3051

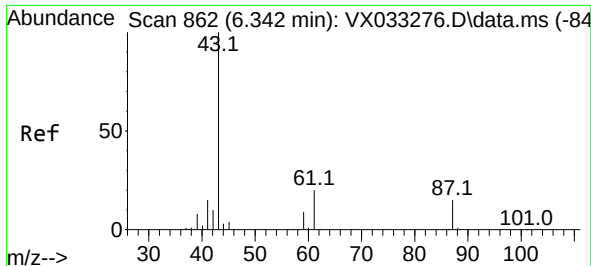
Tgt Ion:117 Resp: 13293
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 0.213 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.013 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

Tgt Ion: 78 Resp: 1186
Ion Ratio Lower Upper
78 100
77 28.4 19.0 28.4

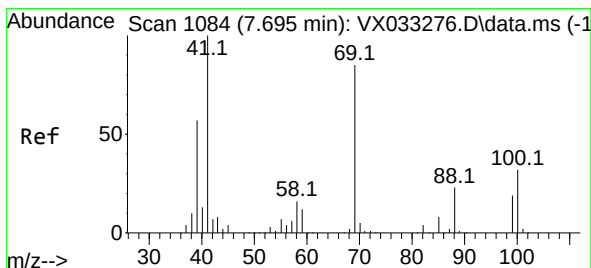
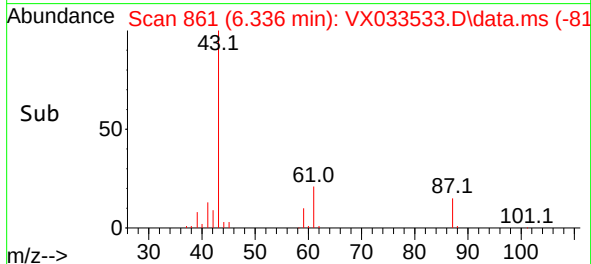
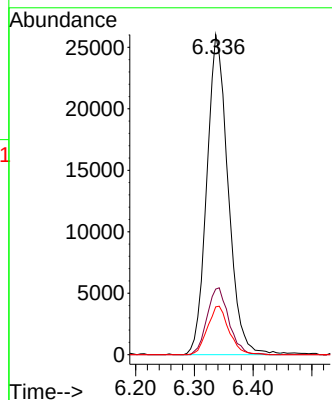
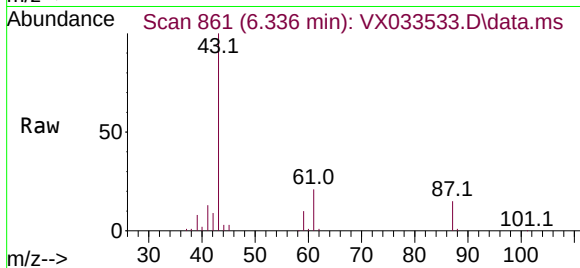




#43
Isopropyl Acetate
Concen: 22.568 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

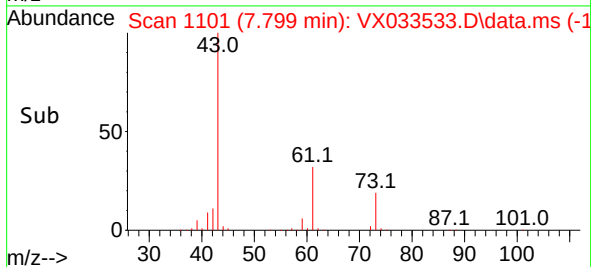
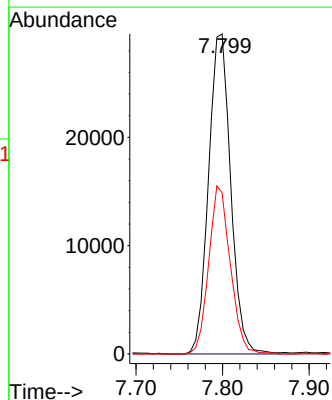
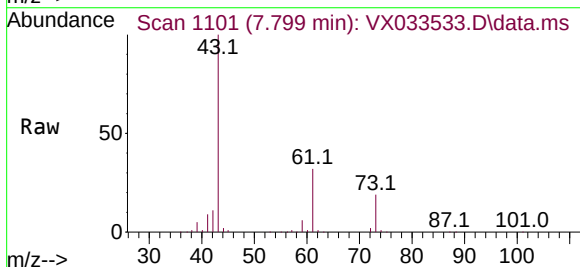
Instrument :
MSVOA_X
ClientSampleId :
COMP-3051

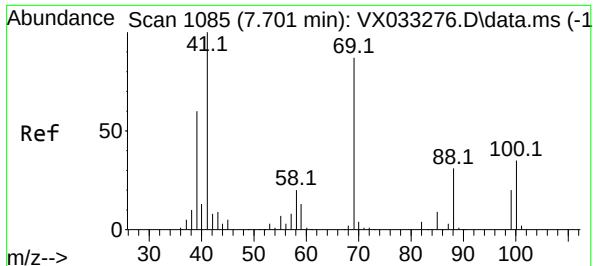
Tgt Ion: 43 Resp: 65595
Ion Ratio Lower Upper
43 100
61 21.3 15.4 23.0
87 15.2 10.8 16.2



#48
Methyl methacrylate
Concen: 35.059 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

Tgt Ion: 41 Resp: 52592
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 51.1 51.9 77.9#





#49

1,4-Dioxane

Concen: 1.169 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.092 min

Lab File: VX033533.D

Acq: 21 Dec 2022 14:42

Instrument :

MSVOA_X

ClientSampleId :

COMP-3051

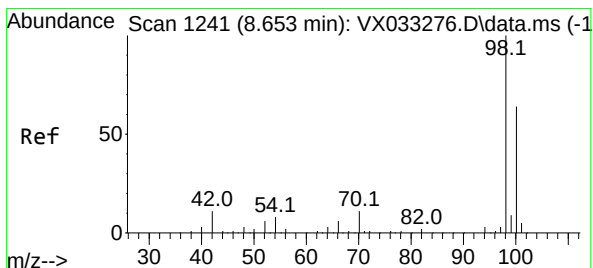
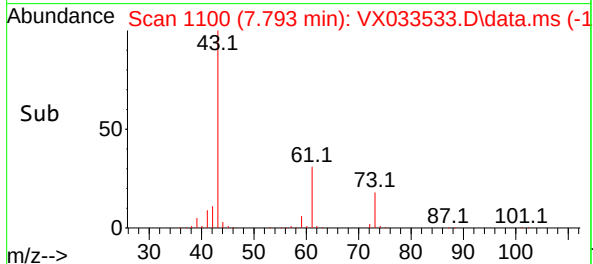
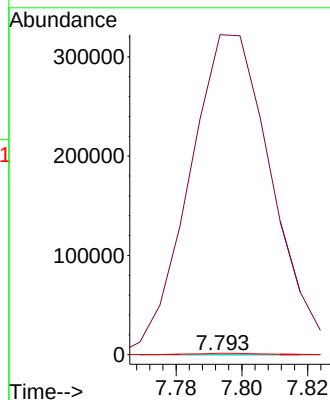
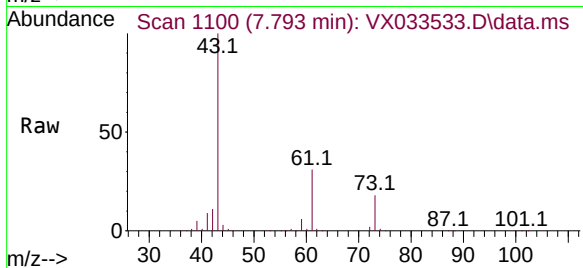
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 142957.5 26.6 39.8#

58 5870.0 51.7 77.5#



#50

Toluene-d8

Concen: 46.404 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033533.D

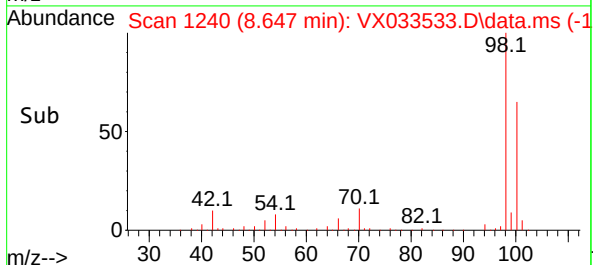
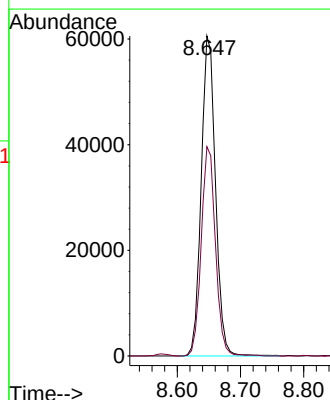
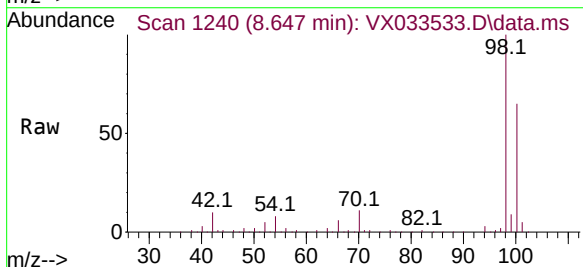
Acq: 21 Dec 2022 14:42

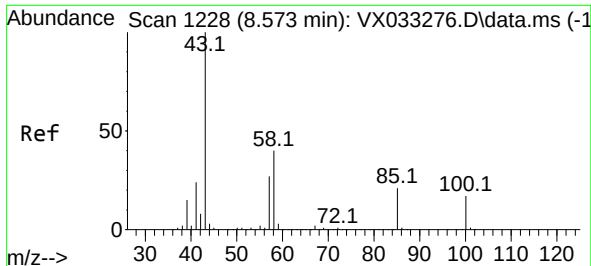
Tgt Ion: 98 Resp: 95150

Ion Ratio Lower Upper

98 100

100 65.3 50.9 76.3

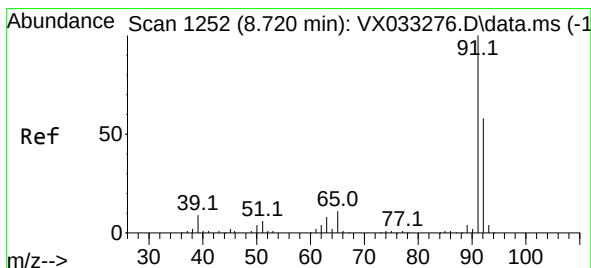
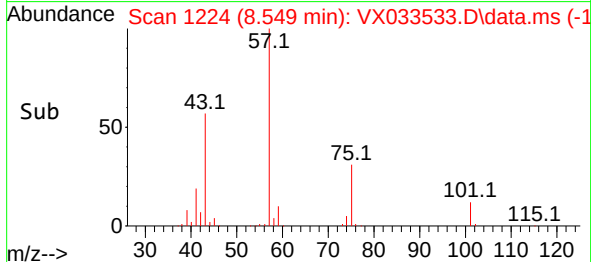
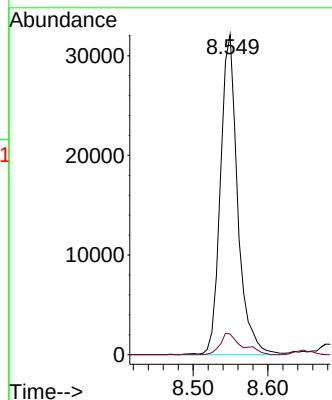
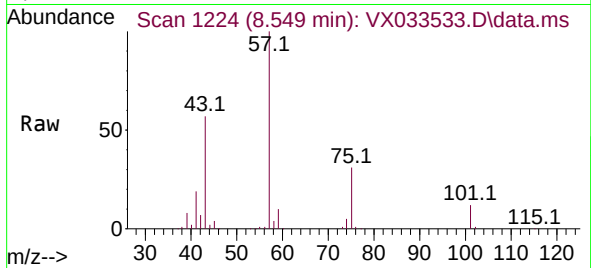




#51
4-Methyl-2-Pentanone
Concen: 28.048 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

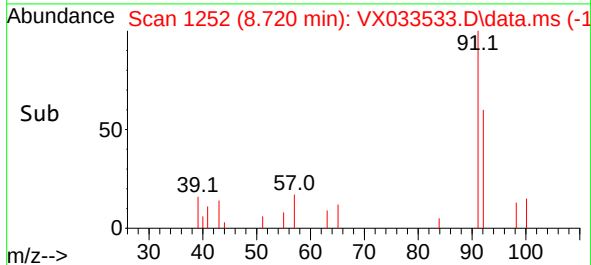
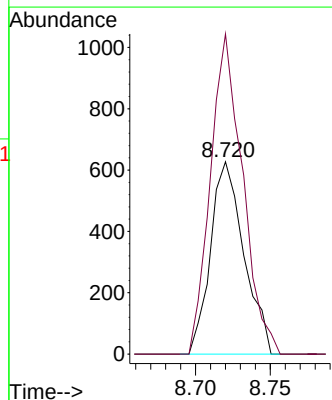
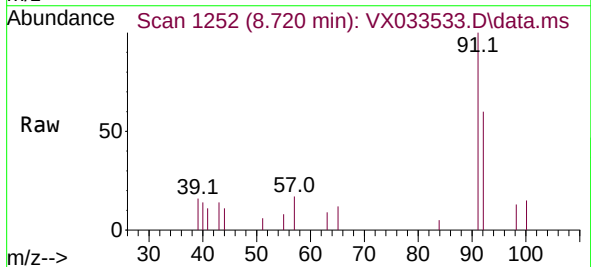
Instrument :
MSVOA_X
ClientSampleId :
COMP-3051

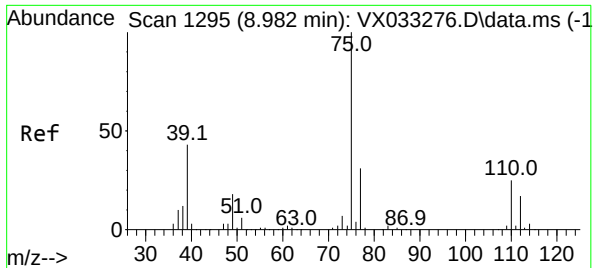
Tgt Ion: 43 Resp: 51555
Ion Ratio Lower Upper
43 100
58 8.3 30.9 46.3#



#52
Toluene
Concen: 0.270 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

Tgt Ion: 92 Resp: 974
Ion Ratio Lower Upper
92 100
91 160.5 138.3 207.5

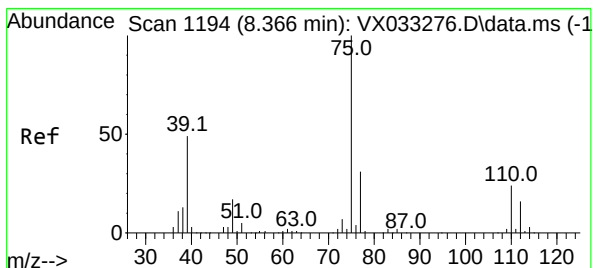
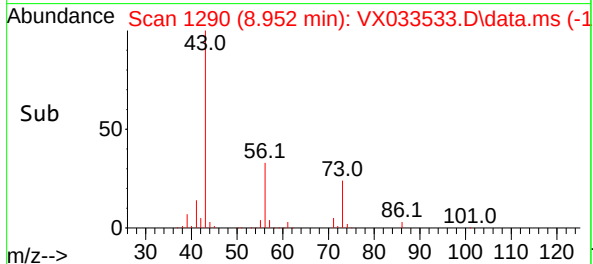
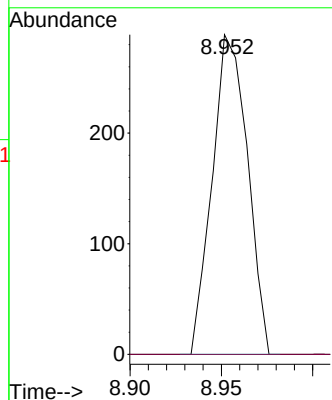
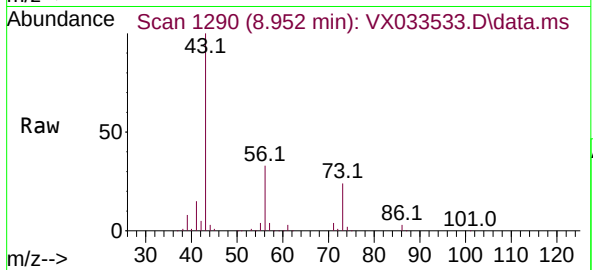




#53
 t-1,3-Dichloropropene
 Concen: 2.668 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: VX033533.D
 Acq: 21 Dec 2022 14:42

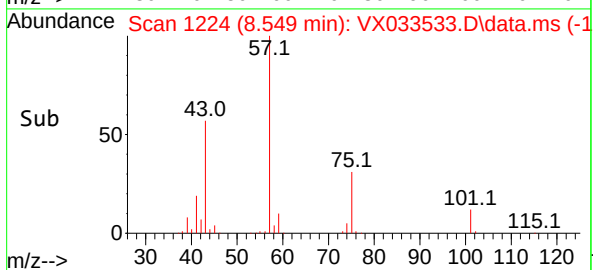
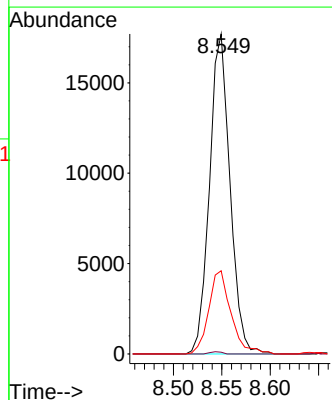
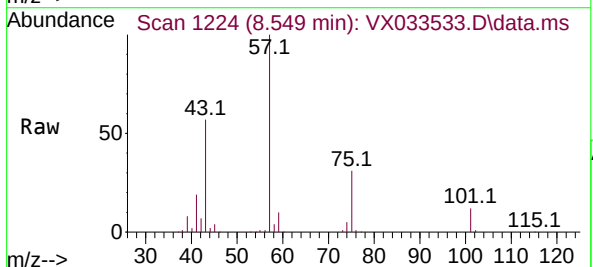
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-3051

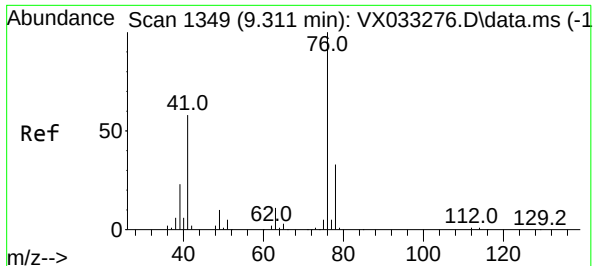
Tgt Ion: 75 Resp: 389
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 11.594 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033533.D
 Acq: 21 Dec 2022 14:42

Tgt Ion: 75 Resp: 26106
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.1 37.7#
 39 26.0 45.5 68.3#





#57

1,3-Dichloropropane

Concen: 1.294 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033533.D

Acq: 21 Dec 2022 14:42

Instrument :

MSVOA_X

ClientSampleId :

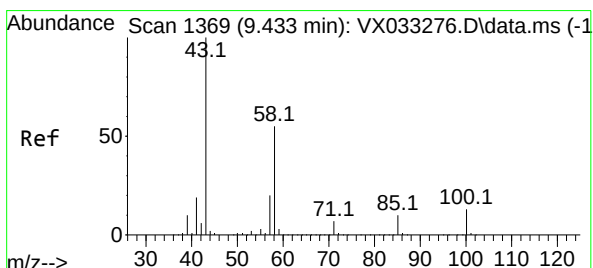
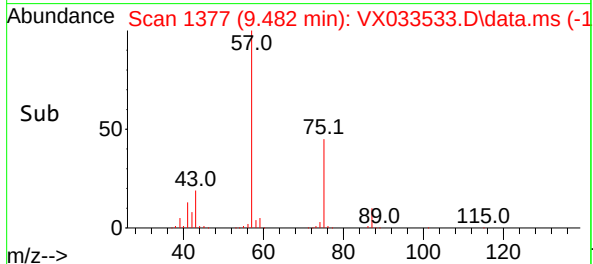
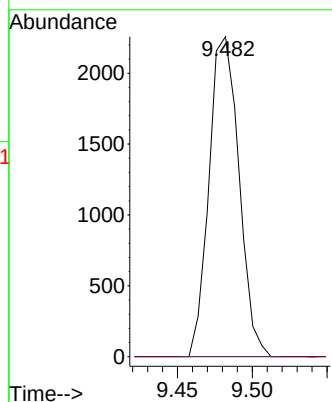
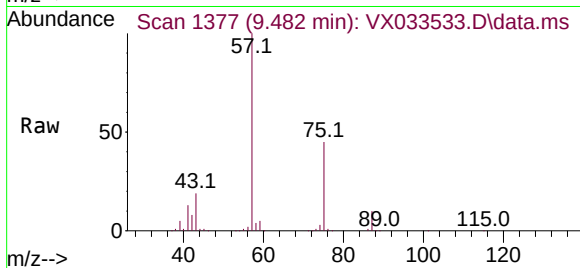
COMP-3051

Tgt Ion: 76 Resp: 3147

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 29.165 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033533.D

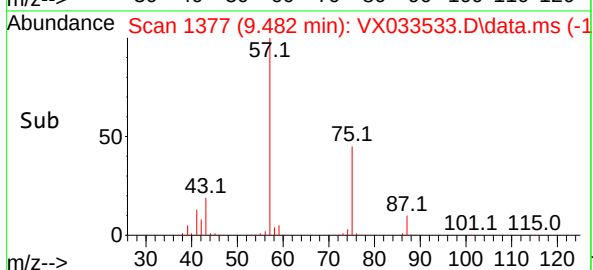
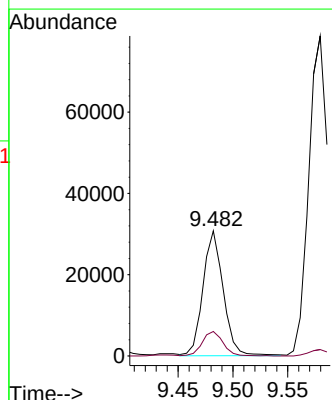
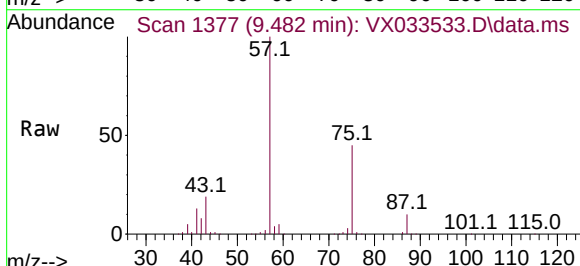
Acq: 21 Dec 2022 14:42

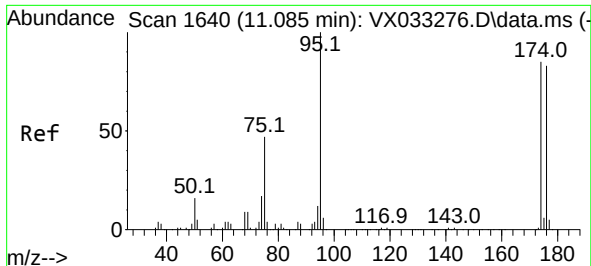
Tgt Ion: 43 Resp: 39505

Ion Ratio Lower Upper

43 100

58 20.3 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 48.855 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX033533.D

Acq: 21 Dec 2022 14:42

Instrument :

MSVOA_X

ClientSampleId :

COMP-3051

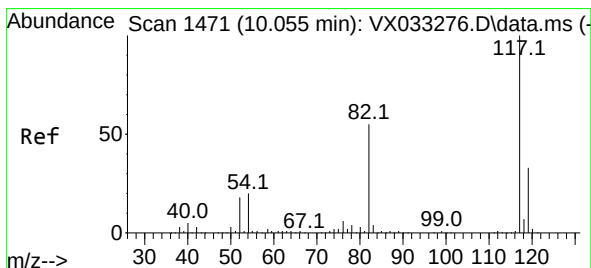
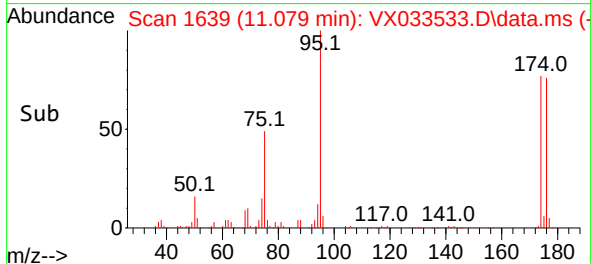
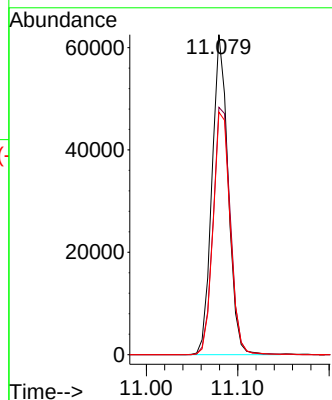
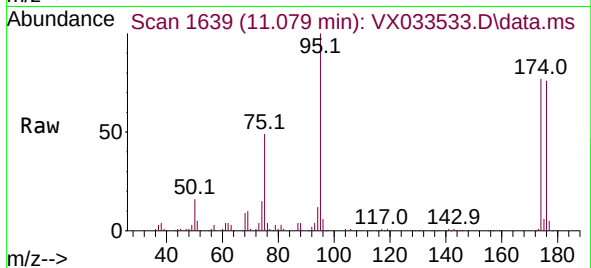
Tgt Ion: 95 Resp: 76597

Ion Ratio Lower Upper

95 100

174 83.0 0.0 164.0

176 80.3 0.0 154.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033533.D

Acq: 21 Dec 2022 14:42

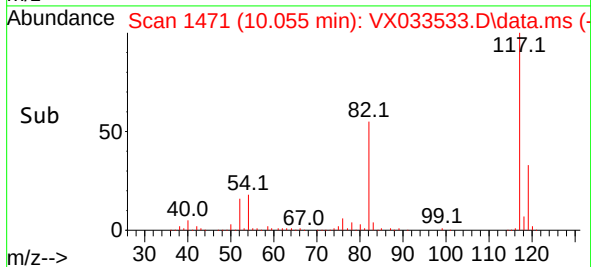
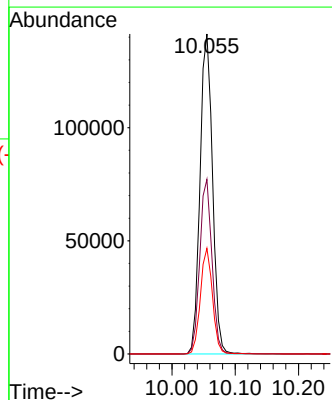
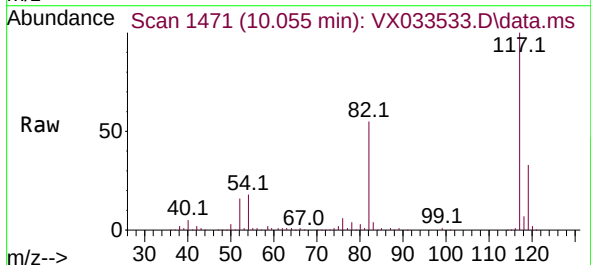
Tgt Ion: 117 Resp: 194643

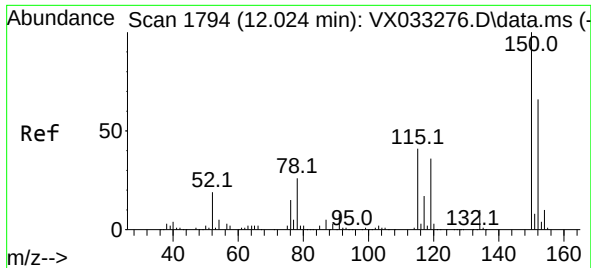
Ion Ratio Lower Upper

117 100

82 54.6 44.3 66.5

119 33.0 25.7 38.5

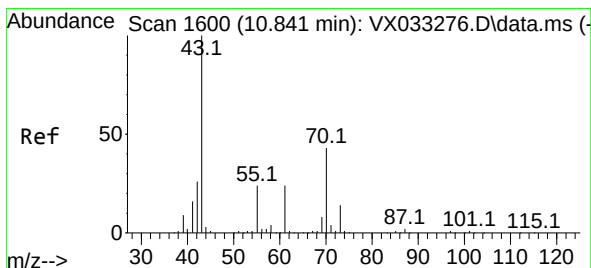
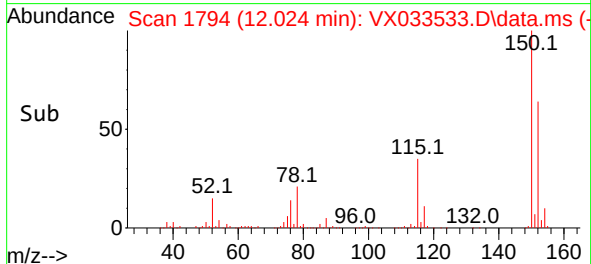
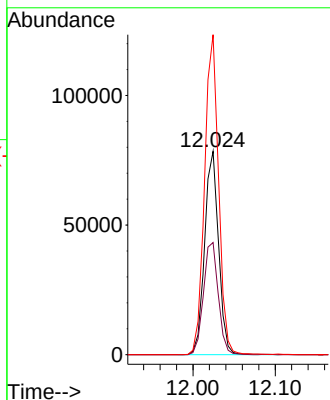
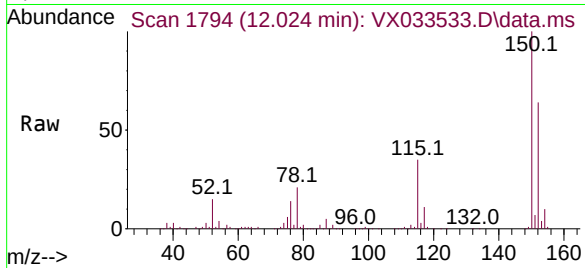




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX033533.D
 Acq: 21 Dec 2022 14:42

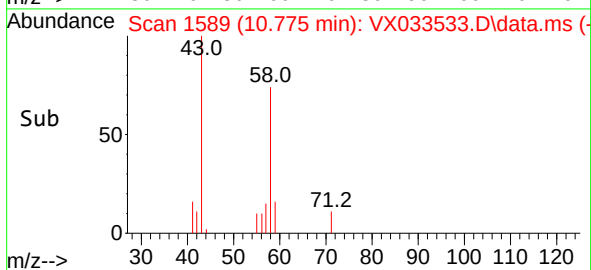
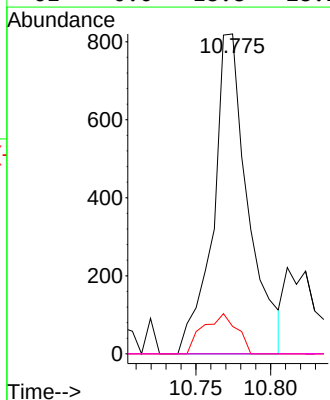
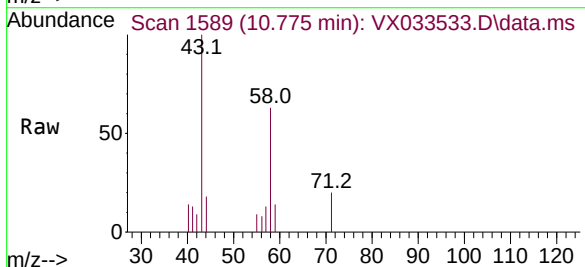
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-3051

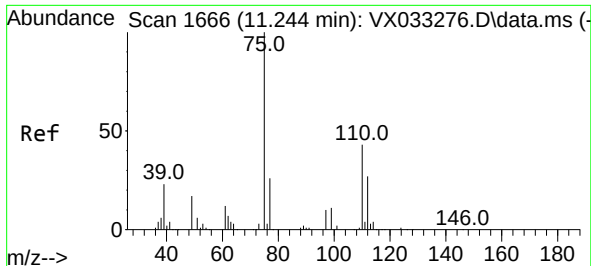
Tgt Ion:152 Resp: 92504
 Ion Ratio Lower Upper
 152 100
 115 58.5 44.0 132.0
 150 157.9 0.0 351.8



#74
 N-ethyl acetate
 Concen: 0.581 ug/l
 RT: 10.775 min Scan# 1589
 Delta R.T. -0.067 min
 Lab File: VX033533.D
 Acq: 21 Dec 2022 14:42

Tgt Ion: 43 Resp: 1328
 Ion Ratio Lower Upper
 43 100
 70 0.0 33.6 50.4#
 55 12.0 19.4 29.2#
 61 0.0 18.8 28.2#

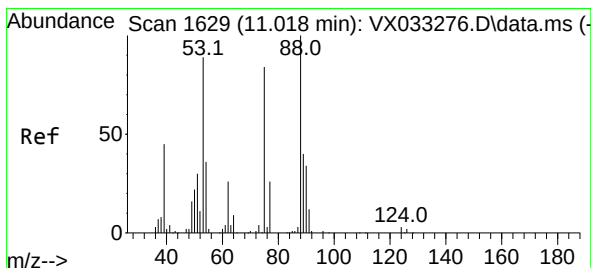
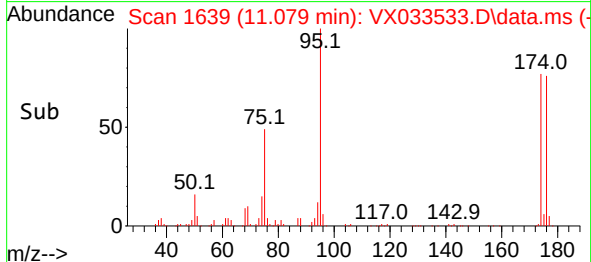
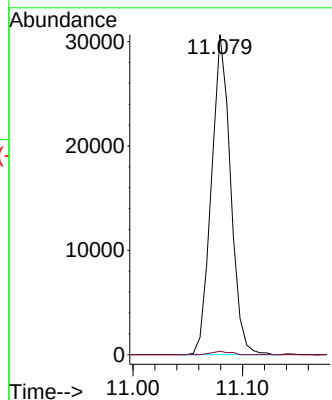
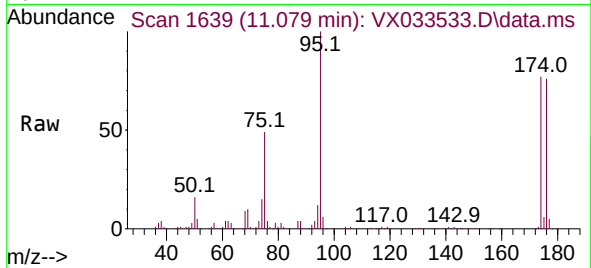




#76
1,2,3-Trichloropropane
Concen: 19.748 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

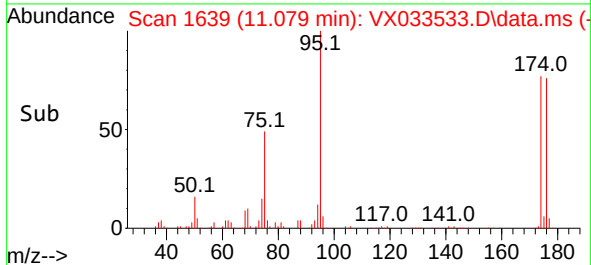
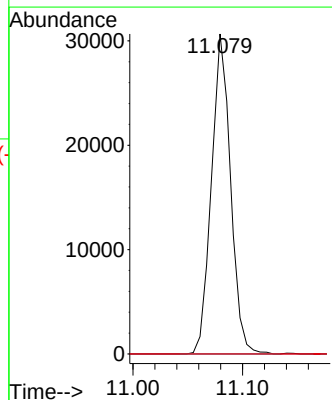
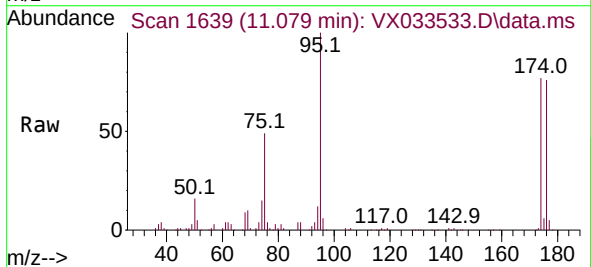
Instrument :
MSVOA_X
ClientSampleId :
COMP-3051

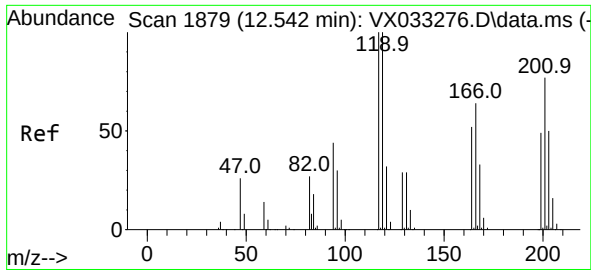
Tgt Ion: 75 Resp: 37165
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.428 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033533.D
Acq: 21 Dec 2022 14:42

Tgt Ion: 75 Resp: 37165
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#





#90

Hexachloroethane

Concen: 0.208 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.159 min

Lab File: VX033533.D

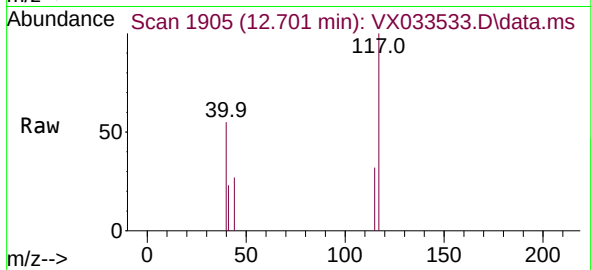
Acq: 21 Dec 2022 14:42

Instrument :

MSVOA_X

ClientSampleId :

COMP-3051



Tgt Ion:117 Resp: 198

Ion Ratio Lower Upper

117 100

201 0.0 37.6 112.9#

