

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029025.D
 Acq On : 27 May 2022 15:37
 Operator : JC/MD
 Sample : N3028-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-1-5FT

Quant Time: May 27 16:41:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

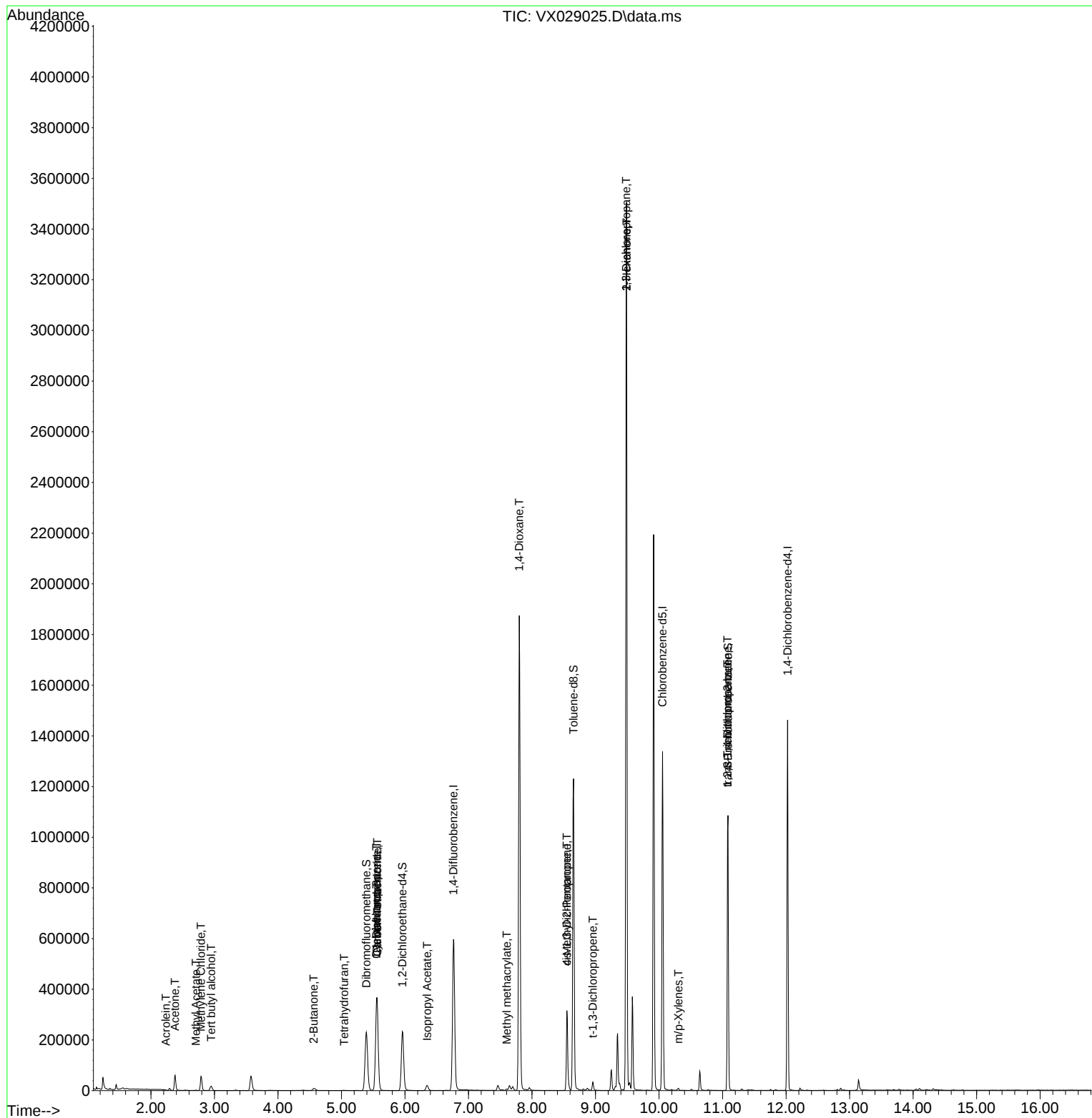
Internal Standards						
1) Pentafluorobenzene	5.556	168	353826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	629595	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	611033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	295642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	227891	46.987	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.980%		
35) Dibromofluoromethane	5.391	113	205431	49.801	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.600%		
50) Toluene-d8	8.653	98	752596	48.392	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.780%		
62) 4-Bromofluorobenzene	11.085	95	302196	52.024	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.040%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	1423	Below Cal		84
6) Chloroethane	1.831	64	375	Below Cal	#	56
11) Tert butyl alcohol	2.946	59	10973	2.770	ug/l #	79
13) Acrolein	2.233	56	375	0.471	ug/l	96
16) Acetone	2.380	43	62545	30.047	ug/l	95
18) Methyl Acetate	2.709	43	2115	0.406	ug/l	96
20) Methylene Chloride	2.788	84	25788	5.905	ug/l	97
25) 2-Butanone	4.562	43	9388	2.873	ug/l	97
29) Tetrahydrofuran	5.044	42	898	0.423	ug/l #	66
31) Cyclohexane	5.550	56	6554	0.974	ug/l #	26
36) 1,1-Dichloropropene	5.550	75	26344	4.252	ug/l #	49
38) Carbon Tetrachloride	5.562	117	36575	5.866	ug/l #	16
43) Isopropyl Acetate	6.348	43	28306	2.796	ug/l	97
48) Methyl methacrylate	7.604	41	7797	1.594	ug/l #	7
49) 1,4-Dioxane	7.799	88	336	2.750	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	101805	15.266	ug/l #	46
53) t-1,3-Dichloropropene	8.958	75	63	1.649	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	51401	7.416	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	33443	4.245	ug/l #	43
59) 2-Hexanone	9.488	43	394376	76.119	ug/l #	44
68) m/p-Xylenes	10.305	106	2000	0.221	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	148111	21.392	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	148111	62.748	ug/l #	15

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

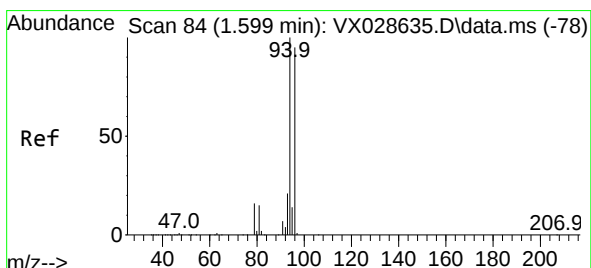
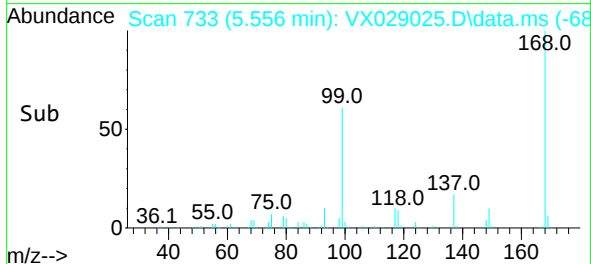
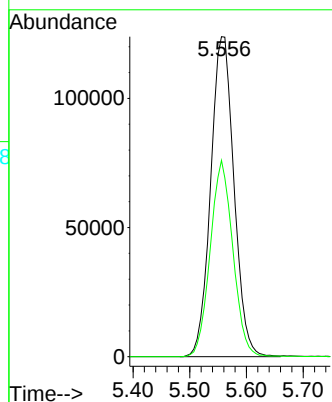
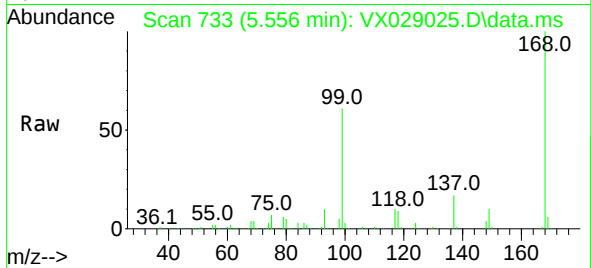




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

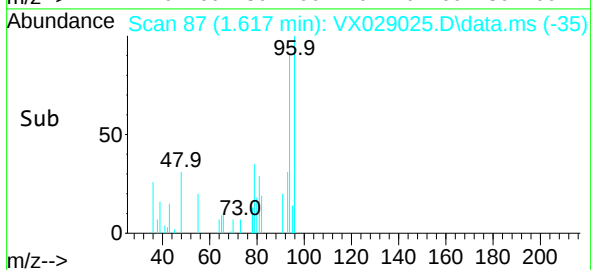
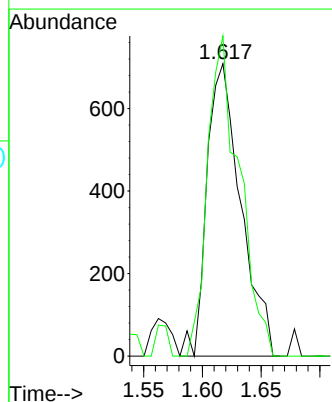
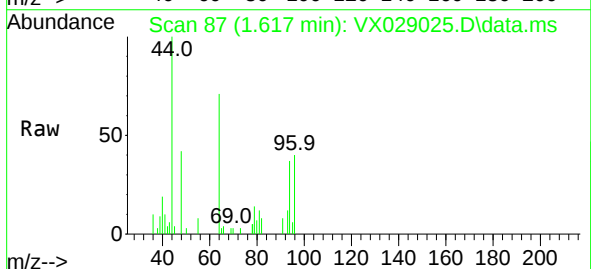
Instrument :
MSVOA_X
ClientSampleId :
TP-1-1-5FT

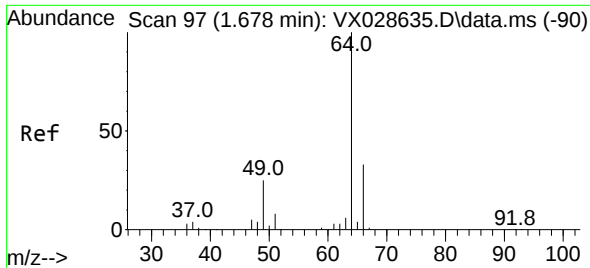
Tgt Ion:168 Resp: 353826
Ion Ratio Lower Upper
168 100
99 61.3 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

Tgt Ion: 94 Resp: 1423
Ion Ratio Lower Upper
94 100
96 109.4 75.3 112.9

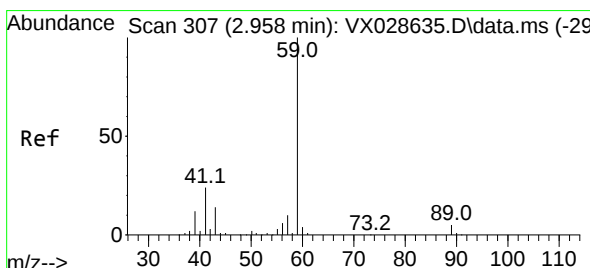
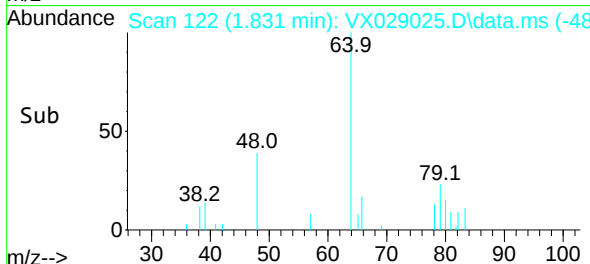
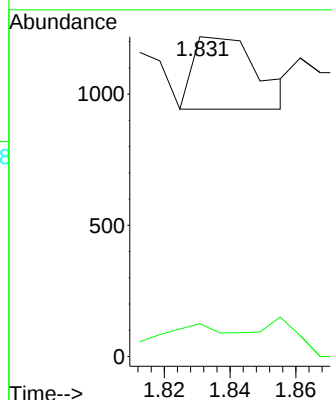
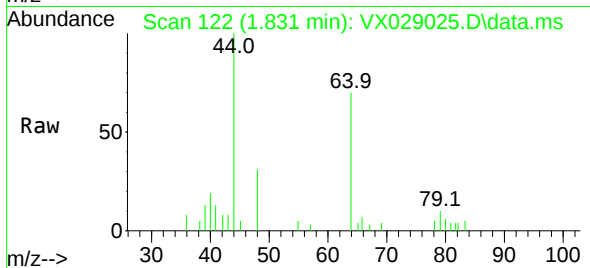




#6
Chloroethane
Concen: Below Cal
RT: 1.831 min Scan# 11
Delta R.T. 0.153 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

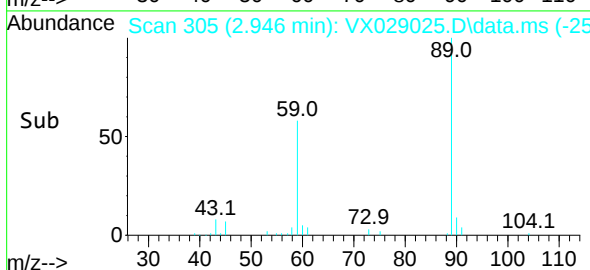
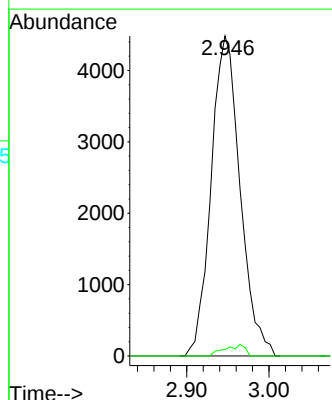
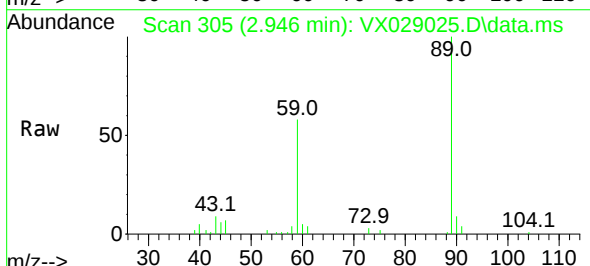
Instrument :
MSVOA_X
ClientSampleId :
TP-1-1-5FT

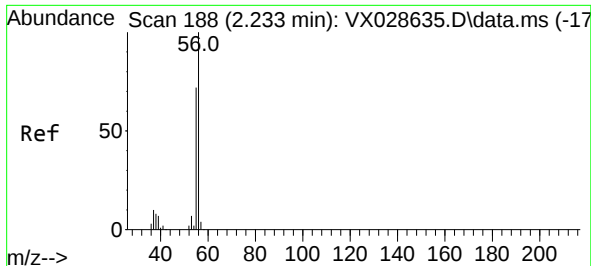
Tgt Ion: 64 Resp: 375
Ion Ratio Lower Upper
64 100
66 7.2 25.3 37.9#



#11
Tert butyl alcohol
Concen: 2.770 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

Tgt Ion: 59 Resp: 10973
Ion Ratio Lower Upper
59 100
57 2.5 8.3 12.5#

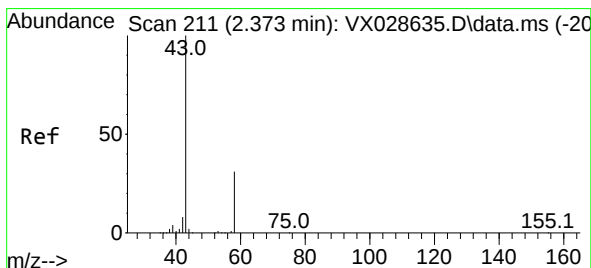
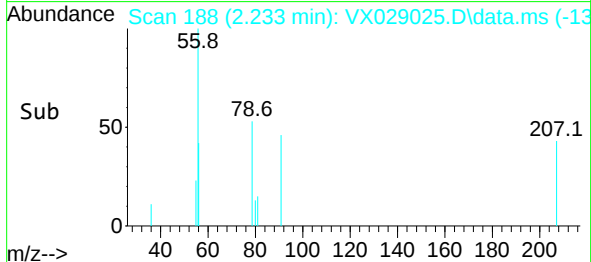
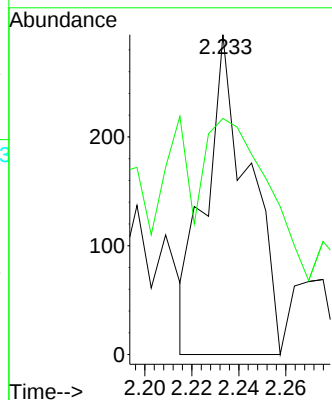
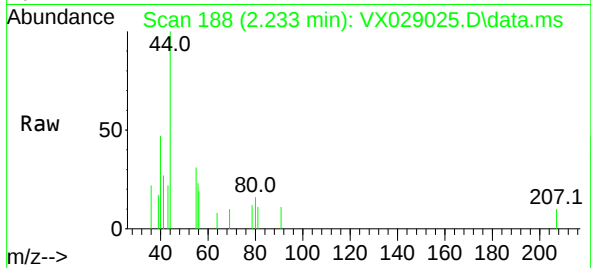




#13
Acrolein
Concen: 0.471 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

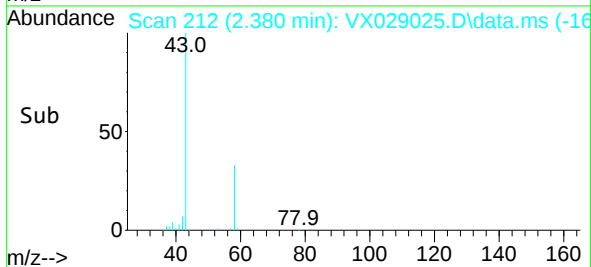
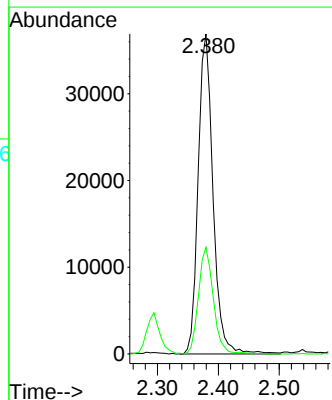
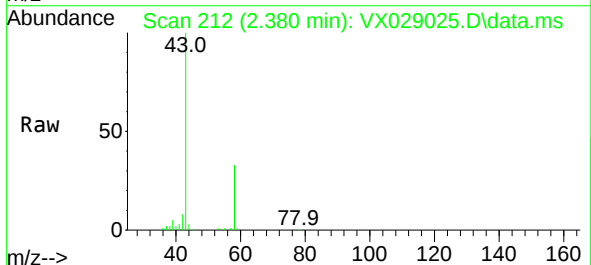
Instrument :
MSVOA_X
ClientSampleId :
TP-1-1-5FT

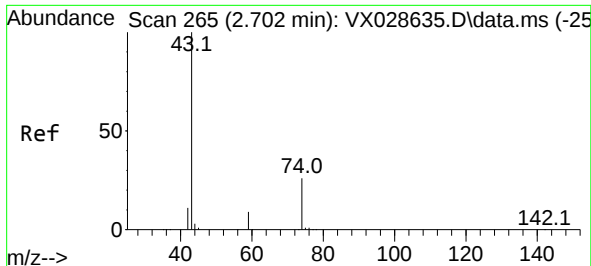
Tgt Ion: 56 Resp: 375
Ion Ratio Lower Upper
56 100
55 71.7 55.0 82.6



#16
Acetone
Concen: 30.047 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

Tgt Ion: 43 Resp: 62545
Ion Ratio Lower Upper
43 100
58 33.3 28.8 43.2

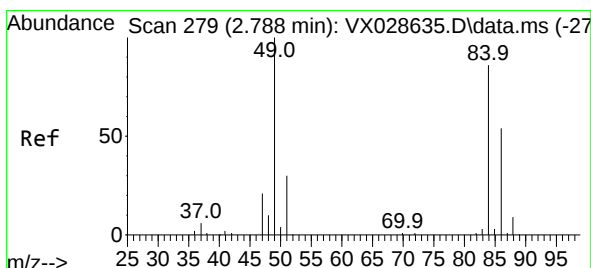
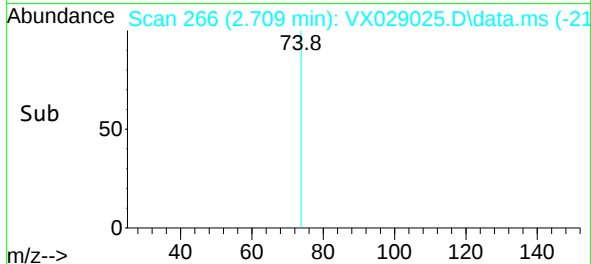
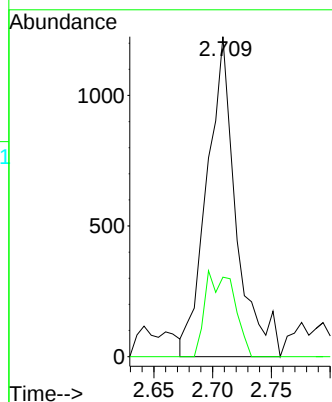
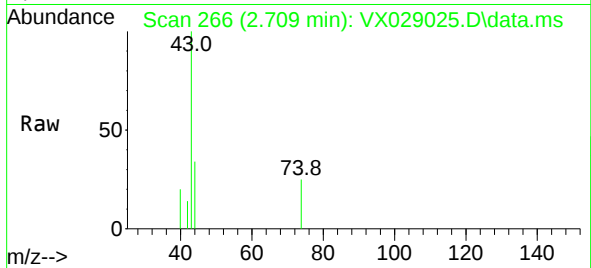




#18
Methyl Acetate
Concen: 0.406 ug/l
RT: 2.709 min Scan# 2115
Delta R.T. 0.007 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

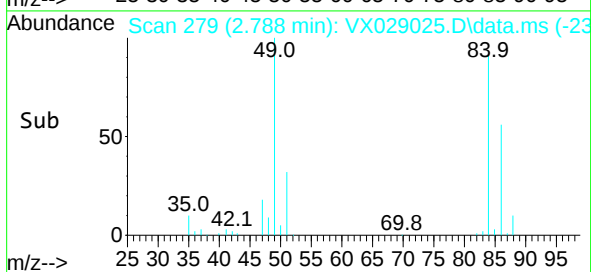
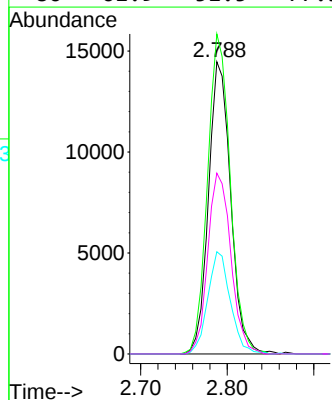
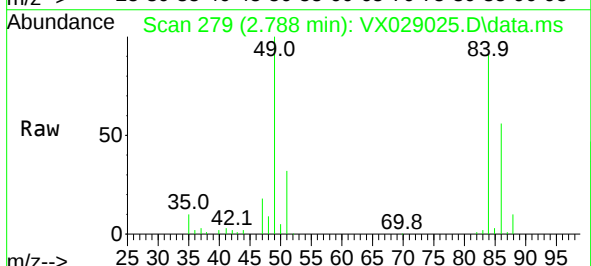
Instrument :
MSVOA_X
ClientSampleId :
TP-1-1-5FT

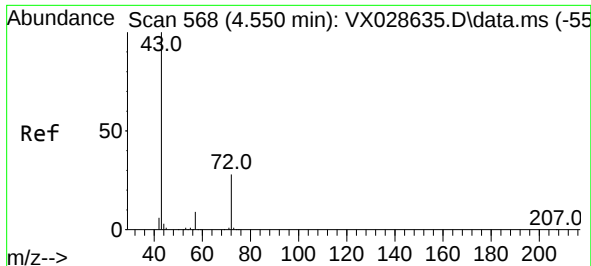
Tgt Ion: 43 Resp: 2115
Ion Ratio Lower Upper
43 100
74 26.4 22.8 34.2



#20
Methylene Chloride
Concen: 5.905 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

Tgt Ion: 84 Resp: 25788
Ion Ratio Lower Upper
84 100
49 109.5 85.5 128.3
51 35.0 26.6 39.8
86 61.9 51.5 77.3





#25

2-Butanone

Concen: 2.873 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029025.D

Acq: 27 May 2022 15:37

Instrument :

MSVOA_X

ClientSampleId :

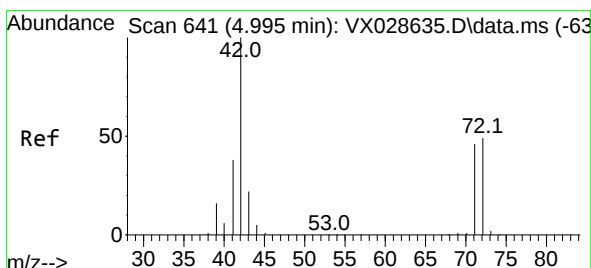
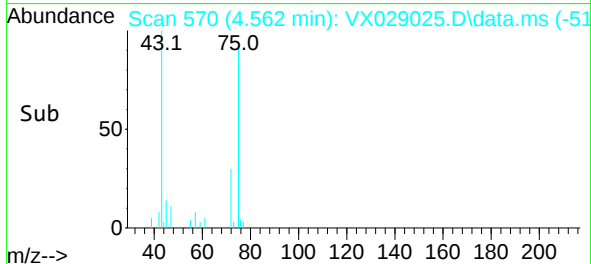
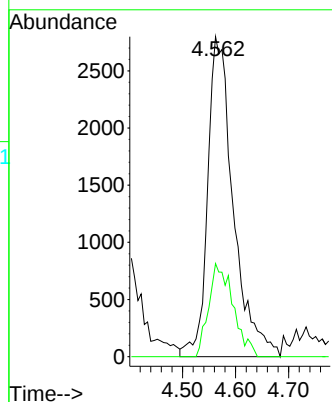
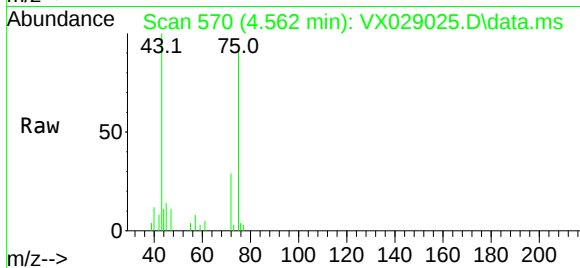
TP-1-1-5FT

Tgt Ion: 43 Resp: 9388

Ion Ratio Lower Upper

43 100

72 29.1 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.423 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.049 min

Lab File: VX029025.D

Acq: 27 May 2022 15:37

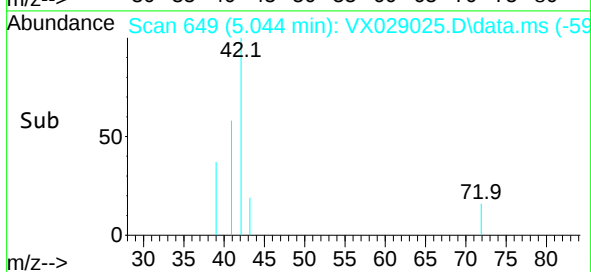
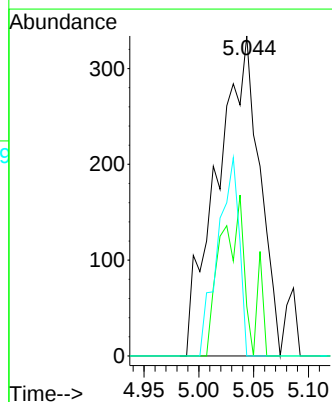
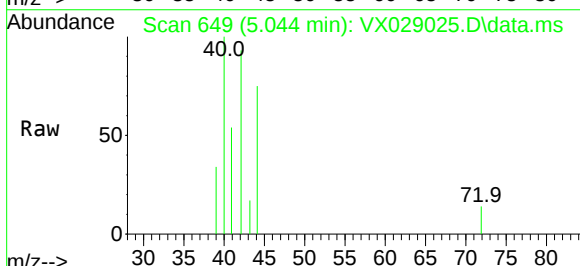
Tgt Ion: 42 Resp: 898

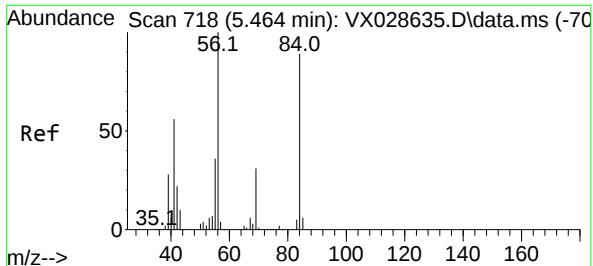
Ion Ratio Lower Upper

42 100

72 26.5 44.1 66.1#

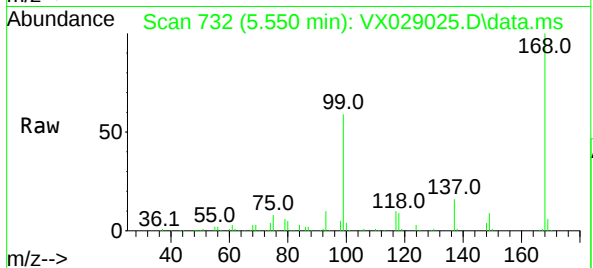
71 31.1 40.5 60.7#



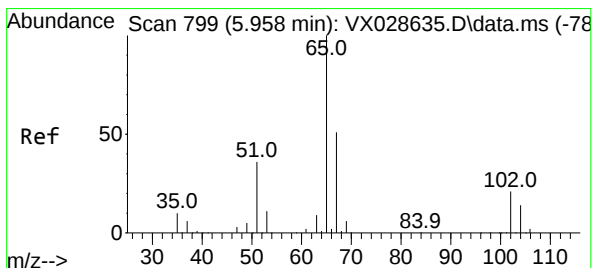
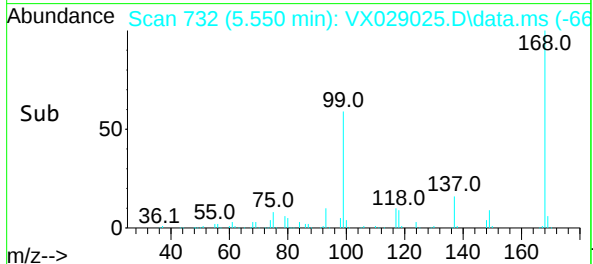
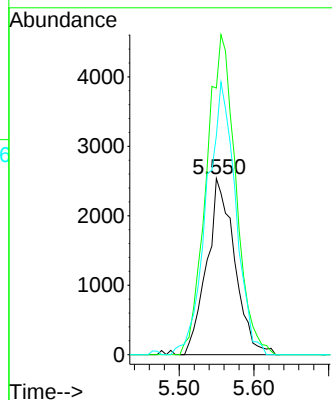


#31
Cyclohexane
Concen: 0.974 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

Instrument :
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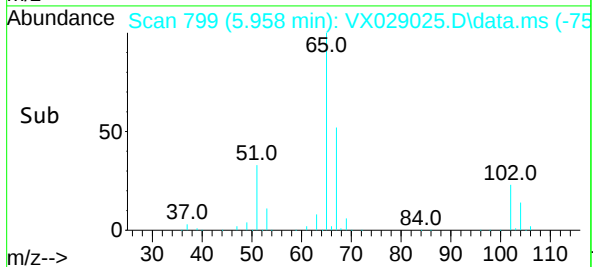
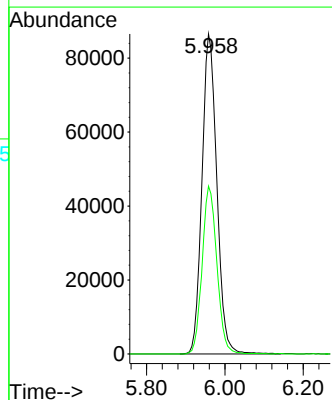
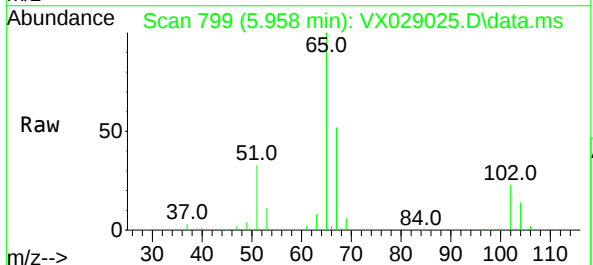


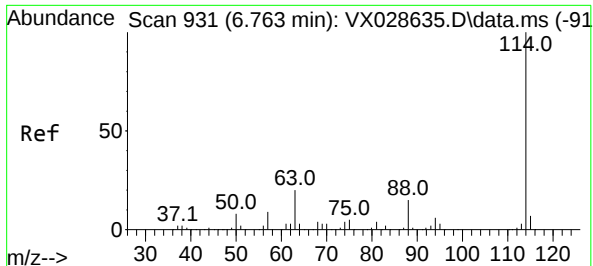
Tgt Ion: 56 Resp: 6554
Ion Ratio Lower Upper
56 100
69 151.3 26.7 40.1#
84 124.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 46.987 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

Tgt Ion: 65 Resp: 227891
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.4

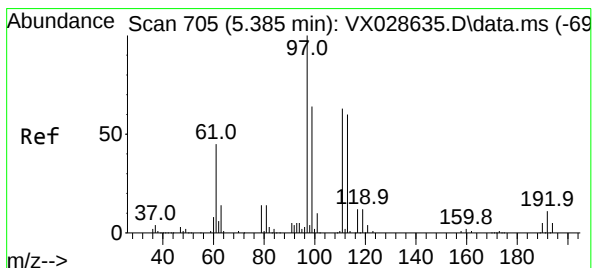
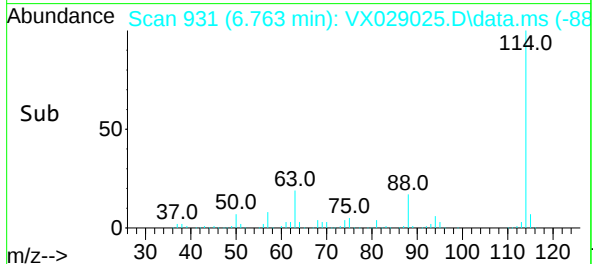
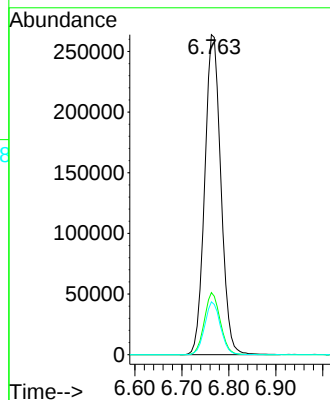
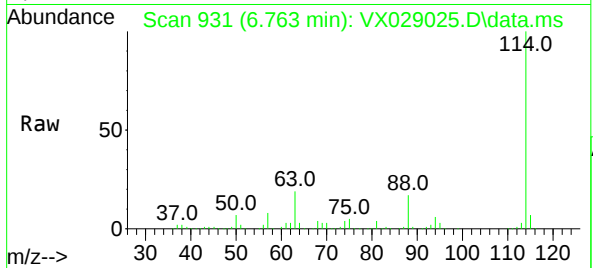




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

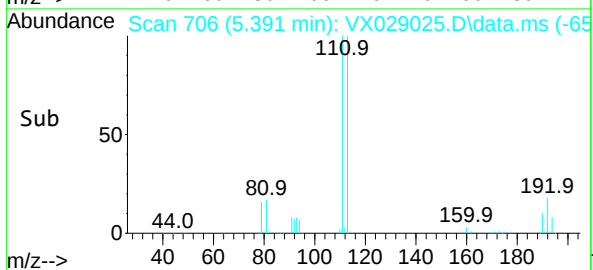
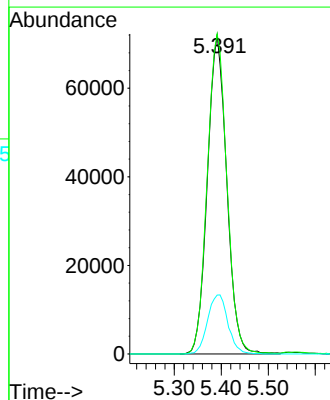
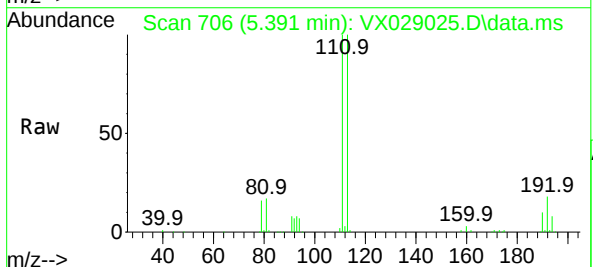
Instrument :
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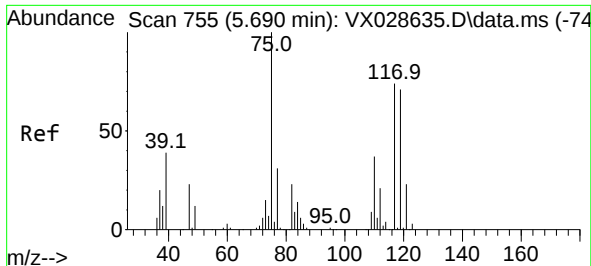
Tgt Ion:114 Resp: 629595
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.8
88 16.5 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.801 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

Tgt Ion:113 Resp: 205431
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 19.5 16.9 25.3

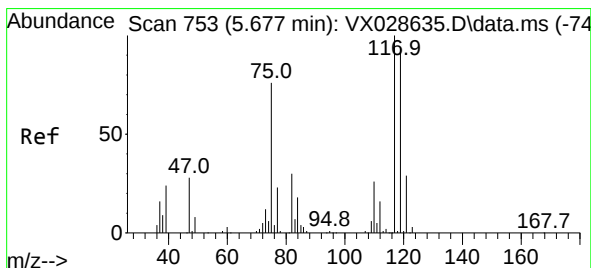
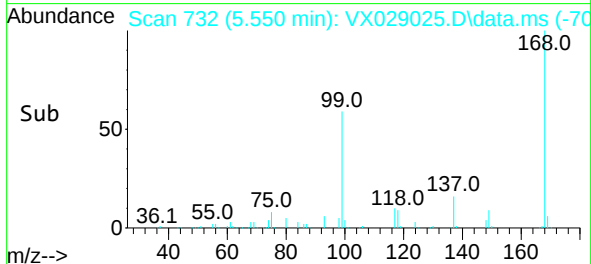
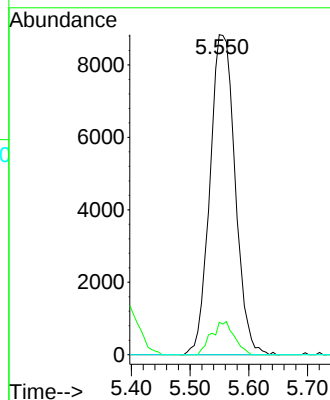
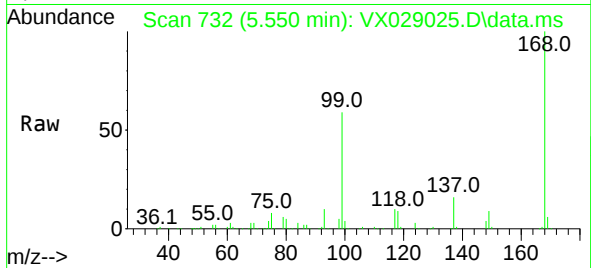




#36
 1,1-Dichloropropene
 Concen: 4.252 ug/l
 RT: 5.550 min Scan# 711
 Delta R.T. -0.140 min
 Lab File: VX029025.D
 Acq: 27 May 2022 15:37

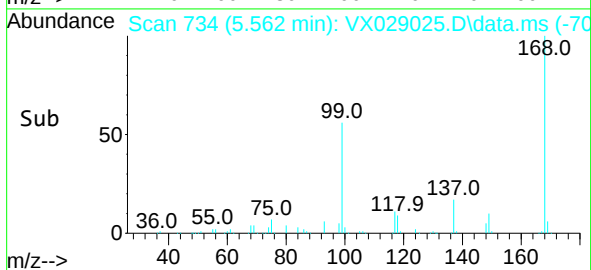
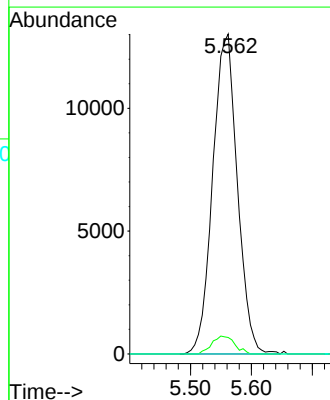
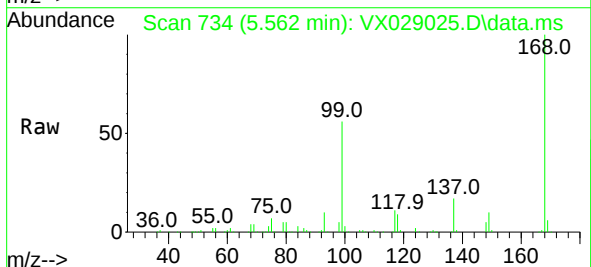
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-1-5FT

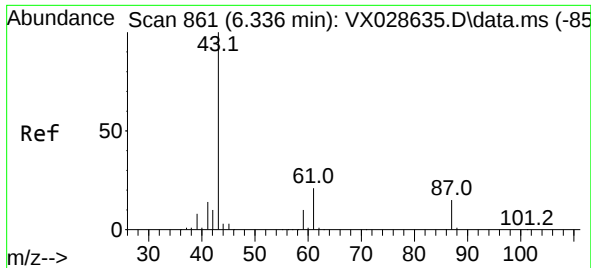
Tgt Ion: 75 Resp: 26344
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.3 54.8#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.866 ug/l
 RT: 5.562 min Scan# 734
 Delta R.T. -0.115 min
 Lab File: VX029025.D
 Acq: 27 May 2022 15:37

Tgt Ion: 117 Resp: 36575
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.3 115.9#
 121 0.0 24.2 36.2#

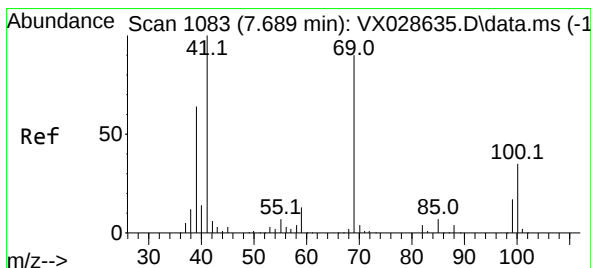
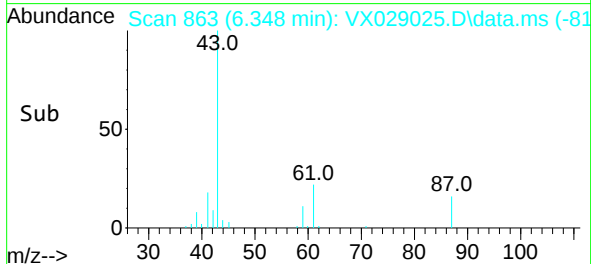
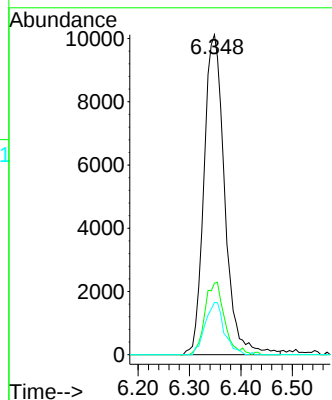
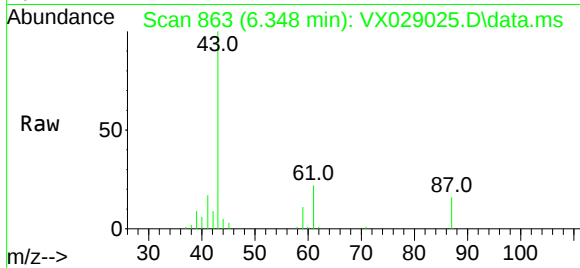




#43
Isopropyl Acetate
Concen: 2.796 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

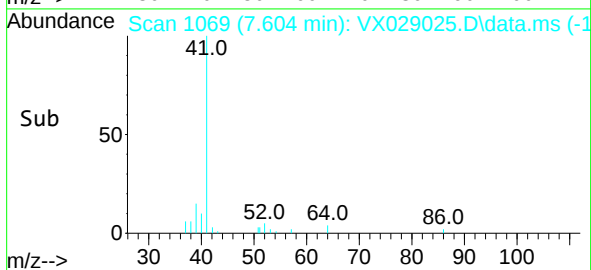
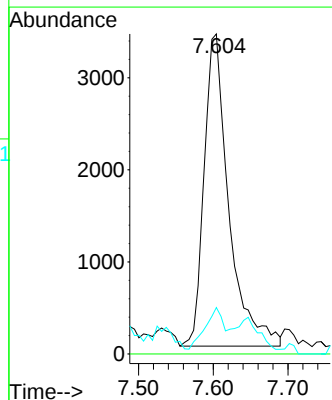
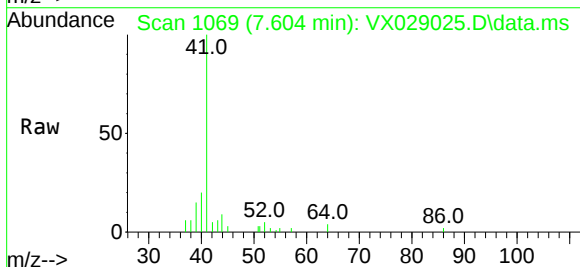
Instrument :
MSVOA_X
ClientSampleId :
TP-1-1-5FT

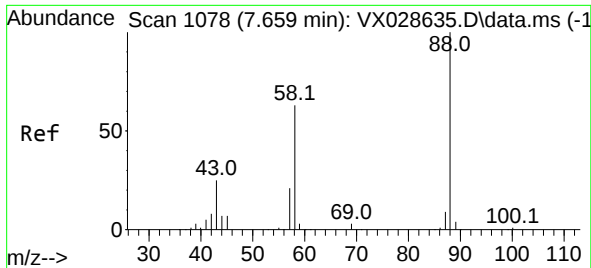
Tgt Ion: 43 Resp: 28306
Ion Ratio Lower Upper
43 100
61 21.4 18.5 27.7
87 15.0 13.0 19.6



#48
Methyl methacrylate
Concen: 1.594 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.085 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

Tgt Ion: 41 Resp: 7797
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#

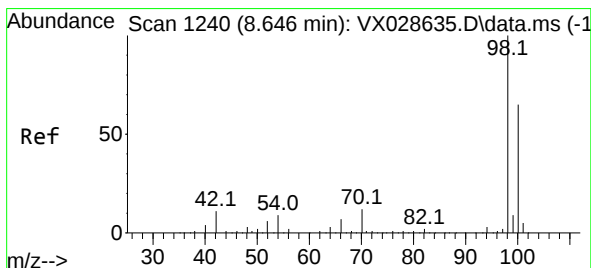
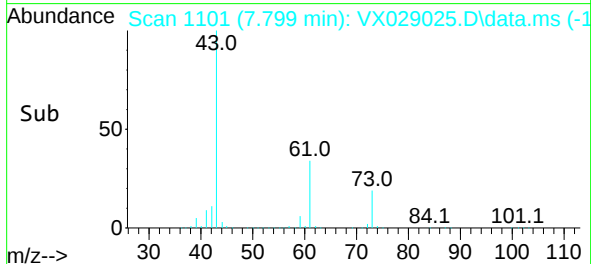
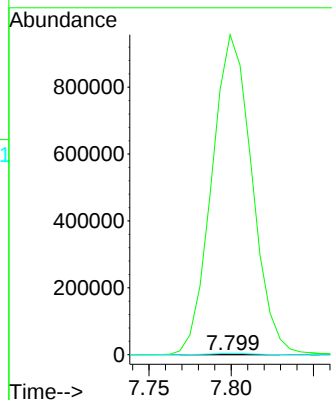
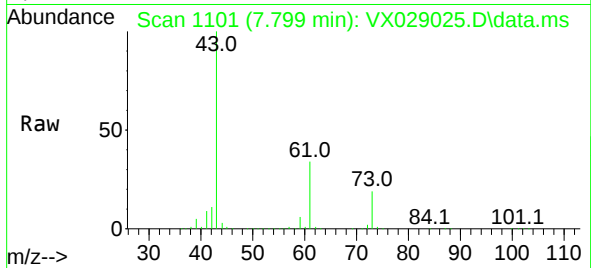




#49
1,4-Dioxane
Concen: 2.750 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

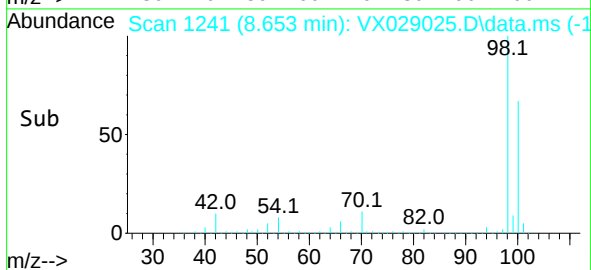
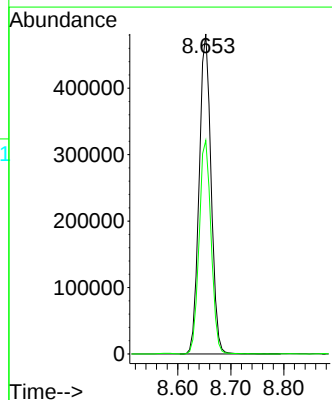
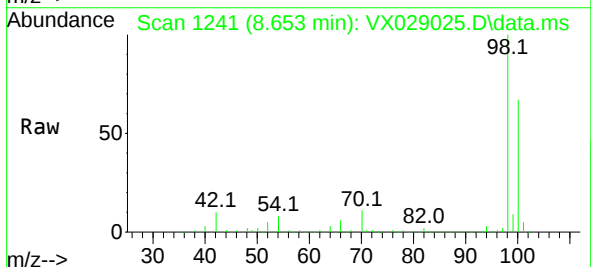
Instrument :
MSVOA_X
ClientSampleId :
TP-1-1-5FT

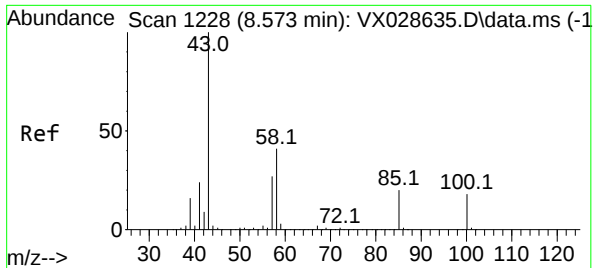
Tgt Ion: 88 Resp: 336
Ion Ratio Lower Upper
88 100
43 487823.8 21.9 32.9#
58 2125.0 53.7 80.5#



#50
Toluene-d8
Concen: 48.392 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

Tgt Ion: 98 Resp: 752596
Ion Ratio Lower Upper
98 100
100 67.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 15.266 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX029025.D

Acq: 27 May 2022 15:37

Instrument :

MSVOA_X

ClientSampleId :

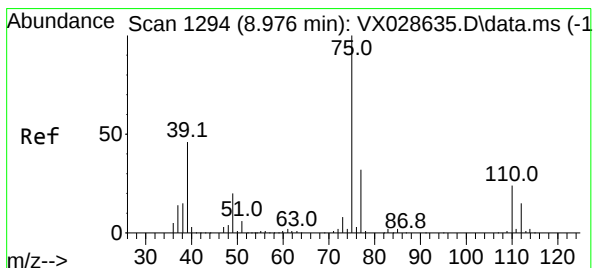
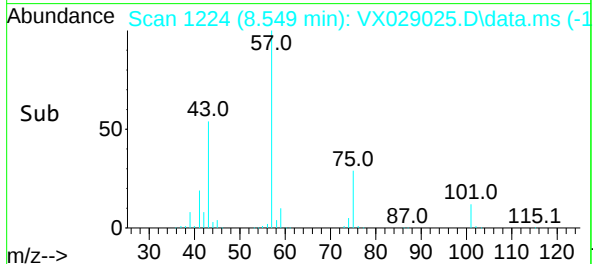
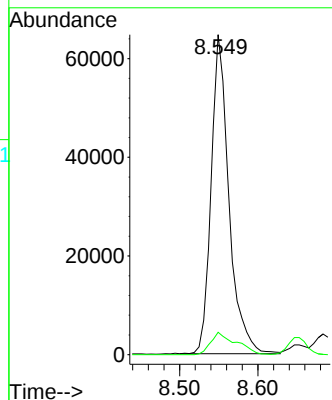
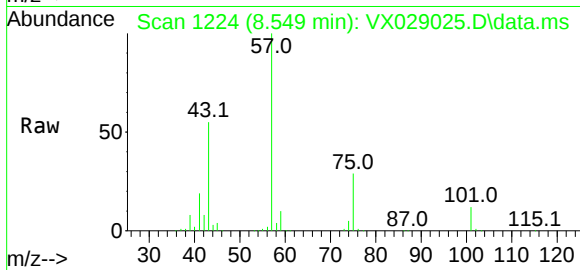
TP-1-1-5FT

Tgt Ion: 43 Resp: 101805

Ion Ratio Lower Upper

43 100

58 10.1 36.1 54.1#



#53

t-1,3-Dichloropropene

Concen: 1.649 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX029025.D

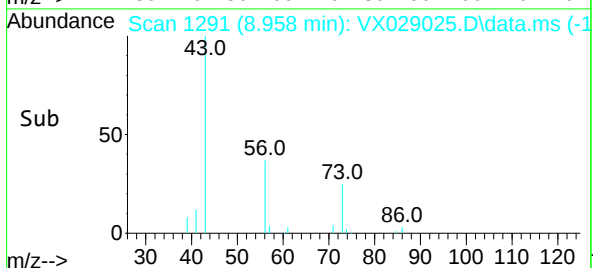
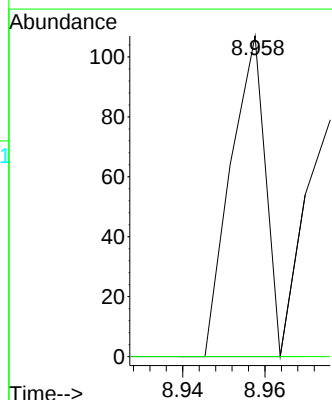
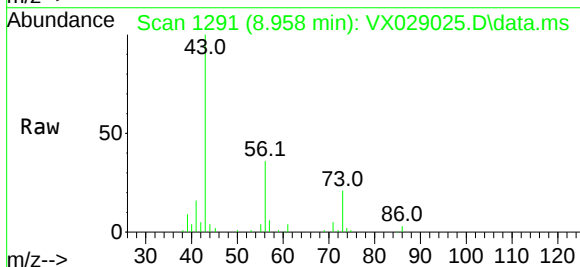
Acq: 27 May 2022 15:37

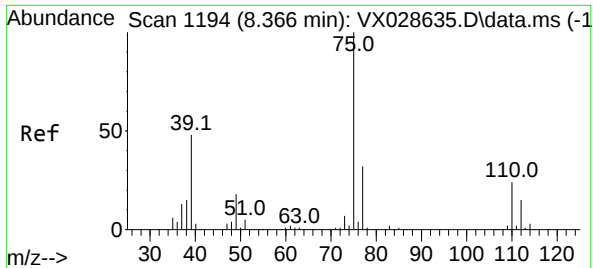
Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

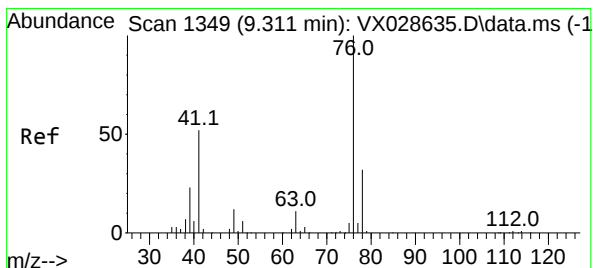
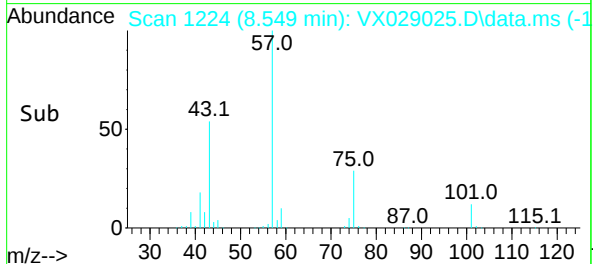
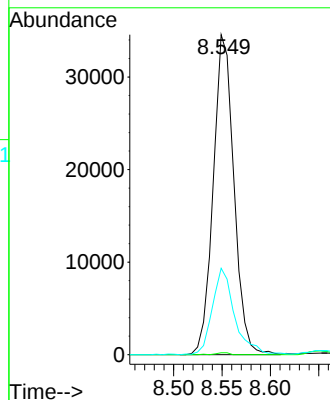
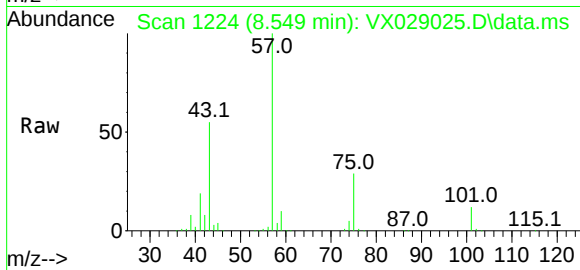




#54
cis-1,3-Dichloropropene
Concen: 7.416 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

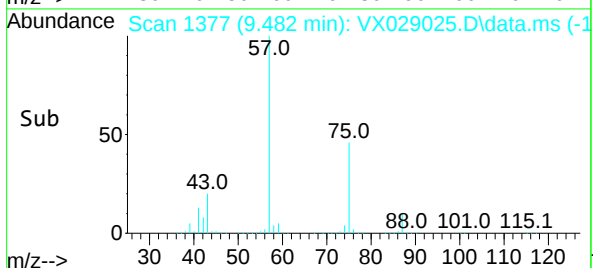
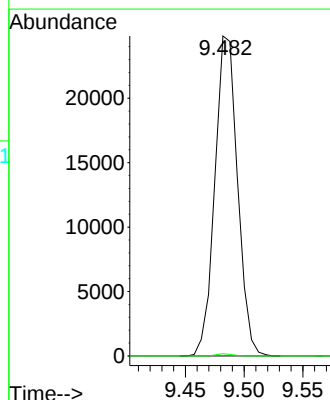
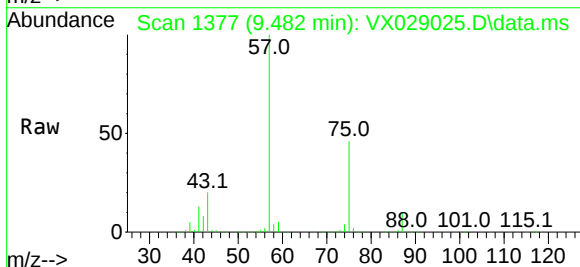
Instrument :
MSVOA_X
ClientSampleId :
TP-1-1-5FT

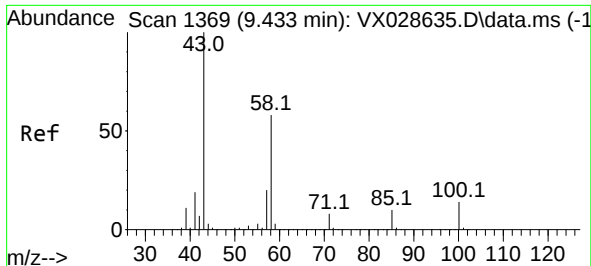
Tgt Ion: 75 Resp: 51401
Ion Ratio Lower Upper
75 100
77 0.6 24.8 37.2#
39 27.0 29.6 44.4#



#57
1,3-Dichloropropane
Concen: 4.245 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

Tgt Ion: 76 Resp: 33443
Ion Ratio Lower Upper
76 100
78 0.5 25.8 38.8#





#59

2-Hexanone

Concen: 76.119 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX029025.D

Acq: 27 May 2022 15:37

Instrument :

MSVOA_X

ClientSampleId :

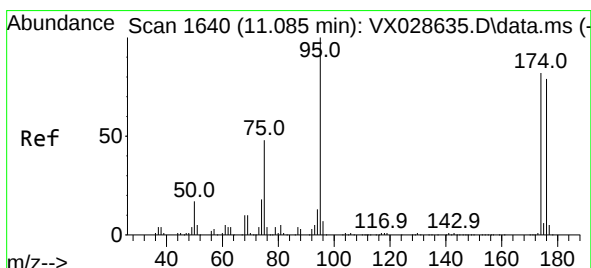
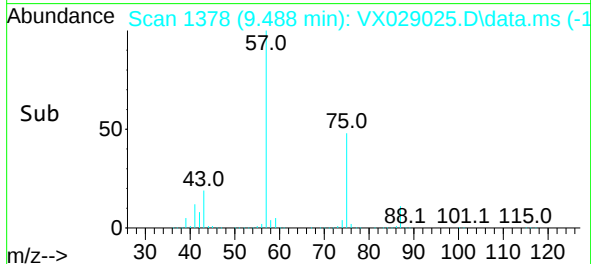
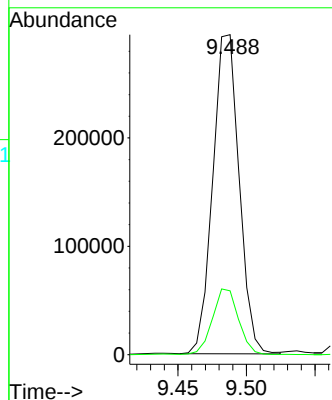
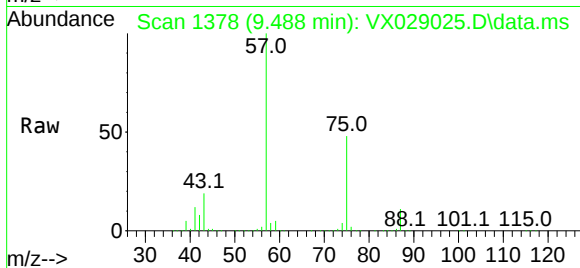
TP-1-1-5FT

Tgt Ion: 43 Resp: 394376

Ion Ratio Lower Upper

43 100

58 20.1 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 52.024 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX029025.D

Acq: 27 May 2022 15:37

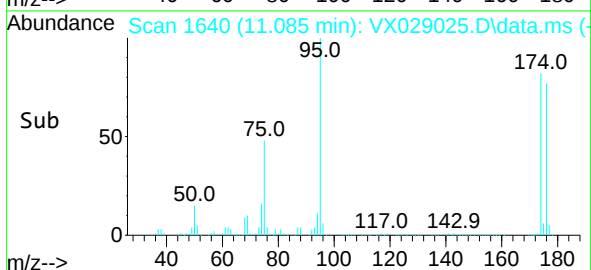
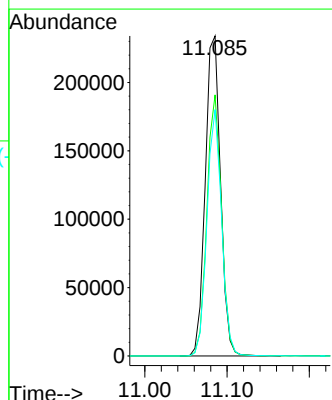
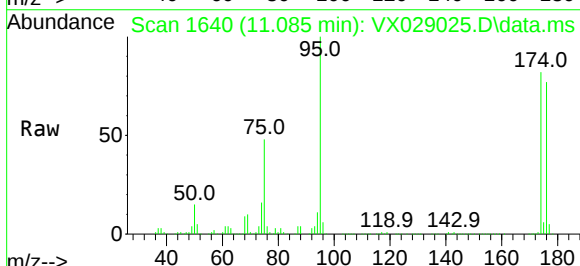
Tgt Ion: 95 Resp: 302196

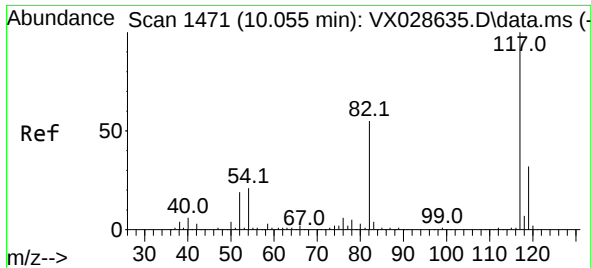
Ion Ratio Lower Upper

95 100

174 78.1 0.0 163.0

176 73.9 0.0 155.0

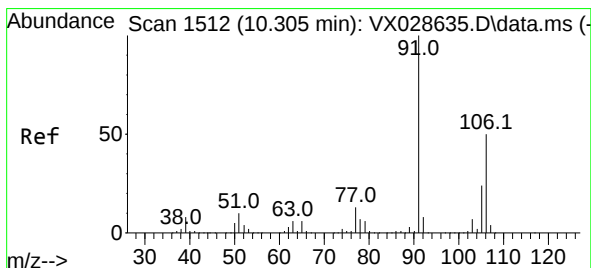
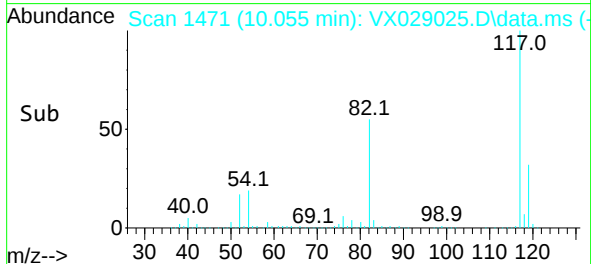
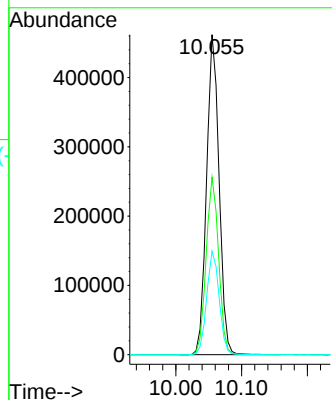
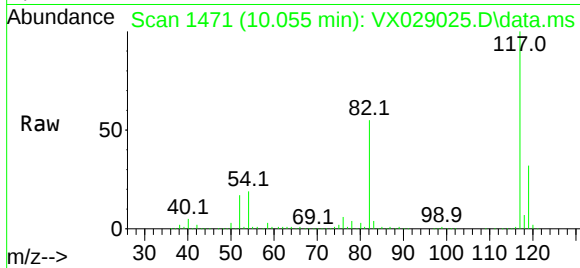




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

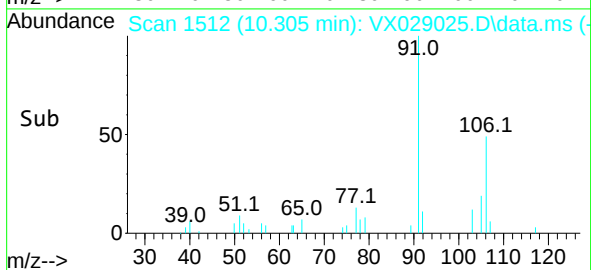
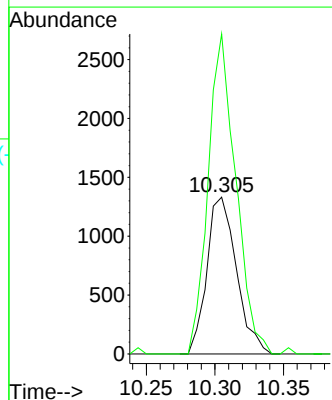
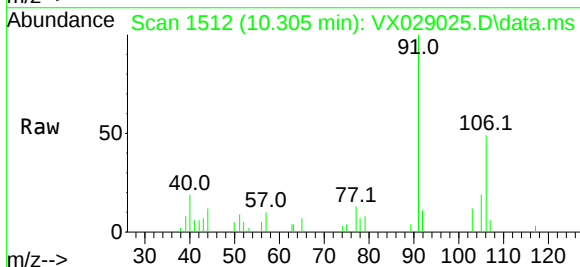
Instrument :
MSVOA_X
ClientSampleId :
TP-1-1-5FT

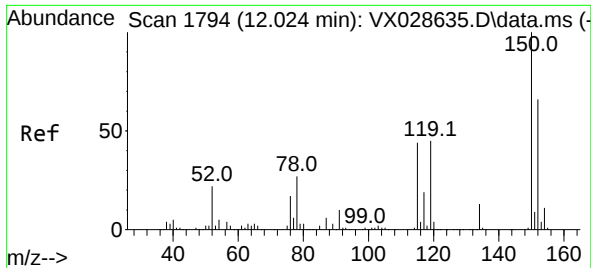
Tgt Ion:117 Resp: 611033
Ion Ratio Lower Upper
117 100
82 55.5 41.8 62.8
119 32.3 24.8 37.2



#68
m/p-Xylenes
Concen: 0.221 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

Tgt Ion:106 Resp: 2000
Ion Ratio Lower Upper
106 100
91 191.0 160.4 240.6

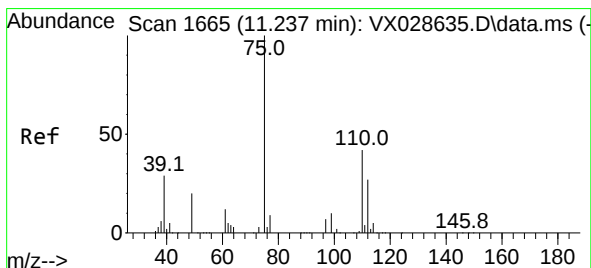
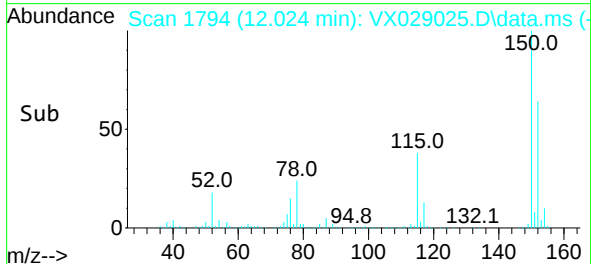
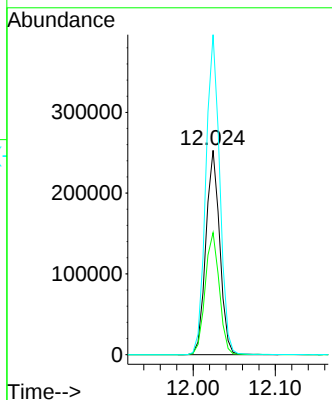
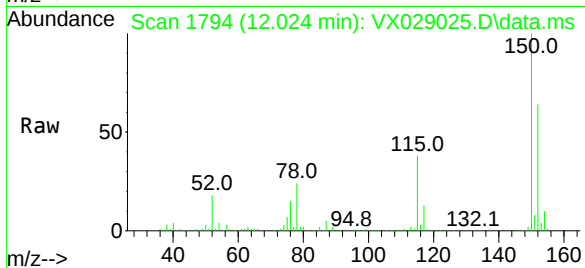




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

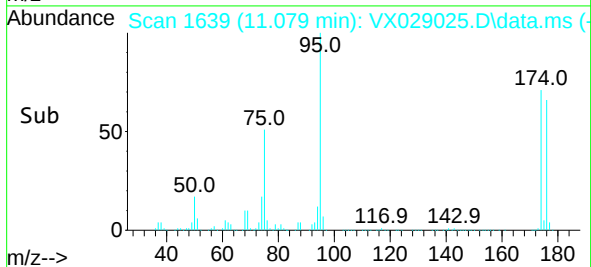
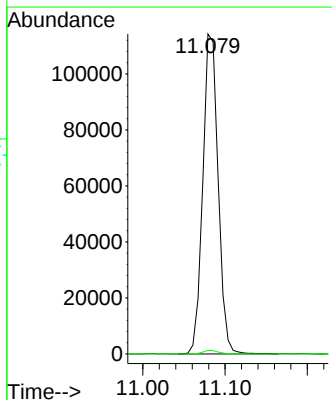
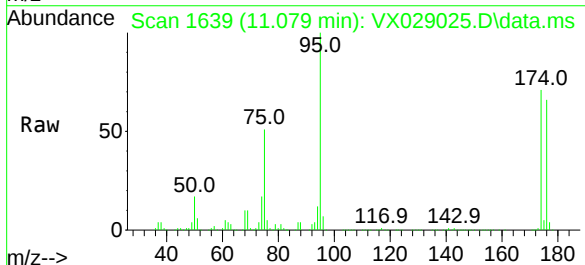
Instrument :
MSVOA_X
ClientSampleId :
TP-1-1-5FT

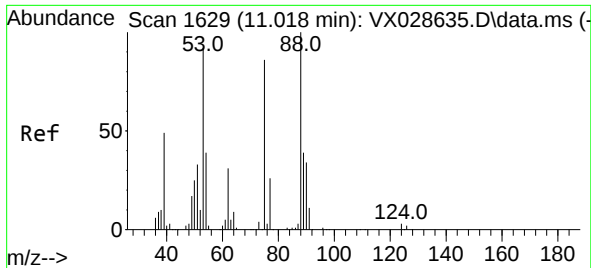
Tgt Ion:152 Resp: 295642
Ion Ratio Lower Upper
152 100
115 60.8 37.5 112.7
150 157.3 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 21.392 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029025.D
Acq: 27 May 2022 15:37

Tgt Ion: 75 Resp: 148111
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.748 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029025.D
 Acq: 27 May 2022 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-1-5FT

Tgt Ion: 75 Resp: 148111
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

