

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
 Data File : VX028773.D
 Acq On : 17 May 2022 21:10
 Operator : JC/MD
 Sample : N2879-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP1-0516

Quant Time: May 18 04:56:22 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

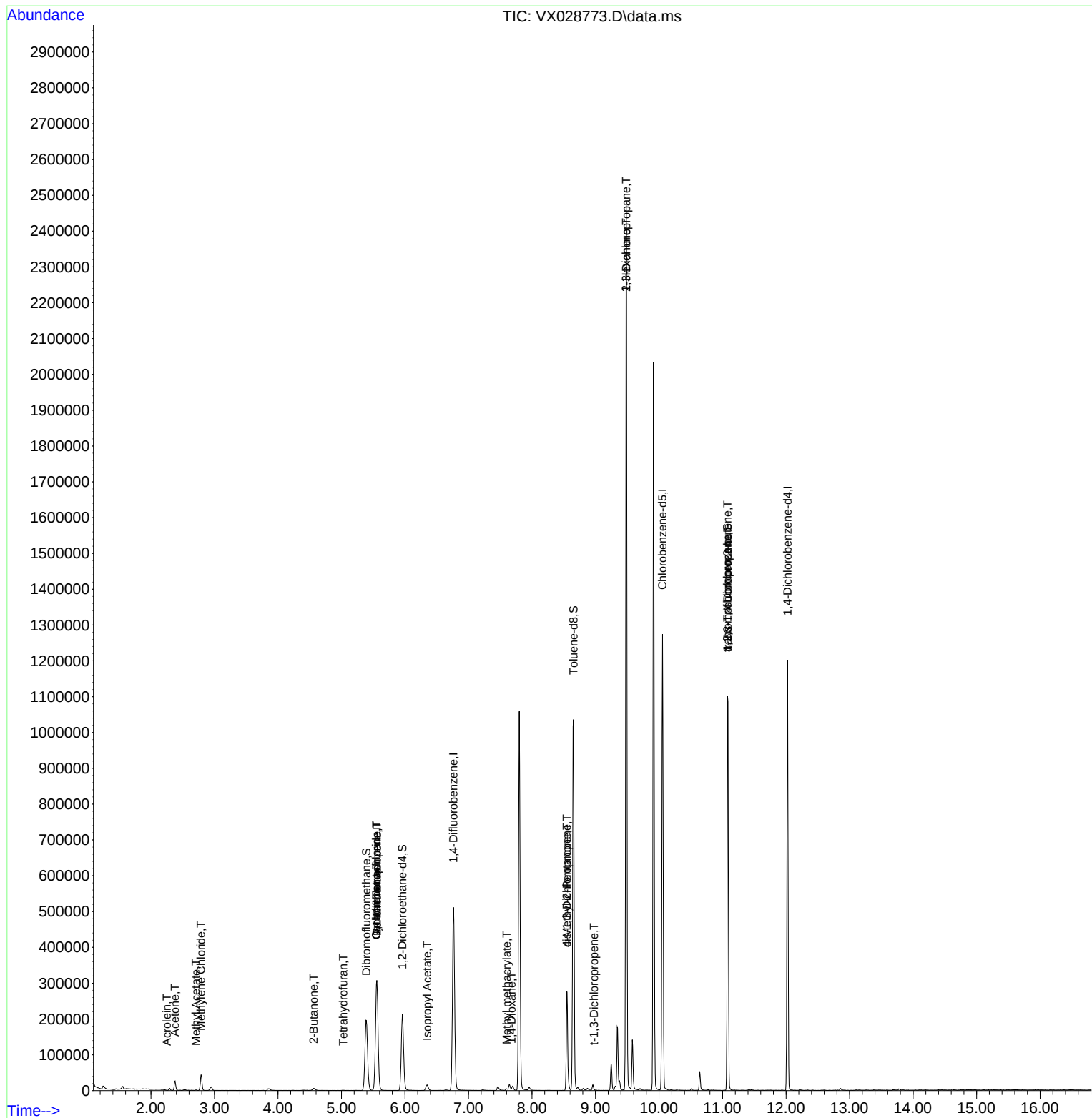
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	284313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	519538	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	555071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	233867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	197852	50.767	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.540%	
35) Dibromofluoromethane	5.391	113	170532	50.098	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.200%	
50) Toluene-d8	8.653	98	621688	48.443	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 96.880%	
62) 4-Bromofluorobenzene	11.079	95	306019	63.842	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 127.680%	
Target Compounds						Qvalue
5) Bromomethane	1.624	94	558	Below Cal	#	79
6) Chloroethane	1.654	64	291	Below Cal	#	47
11) Tert butyl alcohol	2.947	59	6034	Below Cal	#	74
13) Acrolein	2.252	56	135	0.211	ug/l #	35
16) Acetone	2.380	43	28715	17.168	ug/l #	84
18) Methyl Acetate	2.709	43	1966	0.469	ug/l #	86
20) Methylene Chloride	2.788	84	19440	5.540	ug/l	94
25) 2-Butanone	4.562	43	5662	2.157	ug/l	90
29) Tetrahydrofuran	5.025	42	345	0.202	ug/l #	68
31) Cyclohexane	5.550	56	6530	1.207	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23922	4.679	ug/l #	50
38) Carbon Tetrachloride	5.550	117	31064	6.037	ug/l #	16
43) Isopropyl Acetate	6.348	43	23022	2.756	ug/l	93
48) Methyl methacrylate	7.604	41	6704	1.661	ug/l #	7
49) 1,4-Dioxane	7.677	88	85	0.843	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	92453	16.801	ug/l #	44
53) t-1,3-Dichloropropene	8.976	75	22	1.644	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	44143	7.718	ug/l #	71
57) 1,3-Dichloropropane	9.482	76	22690	3.490	ug/l #	43
59) 2-Hexanone	9.482	43	282170	65.999	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	160879	29.374	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	160879	84.717	ug/l #	15

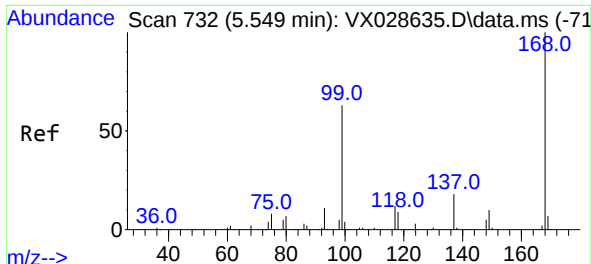
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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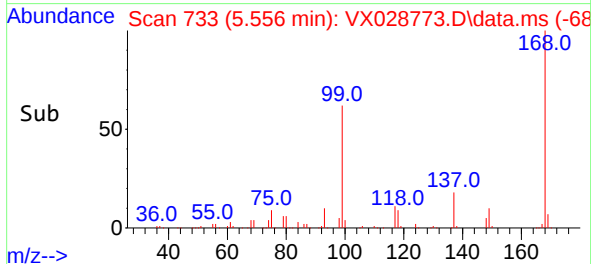
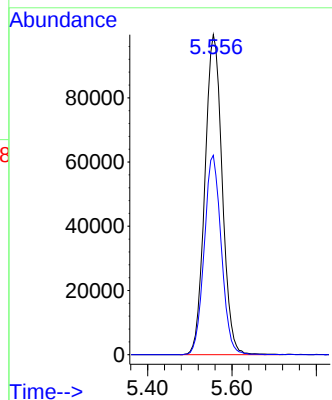
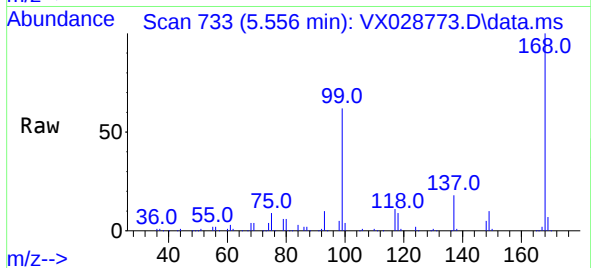




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

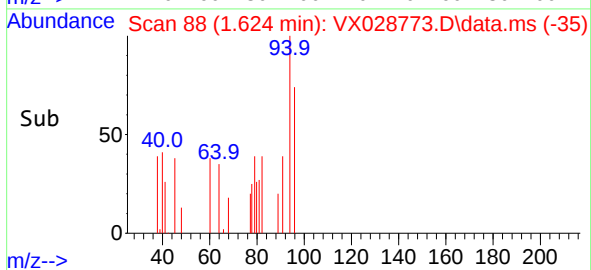
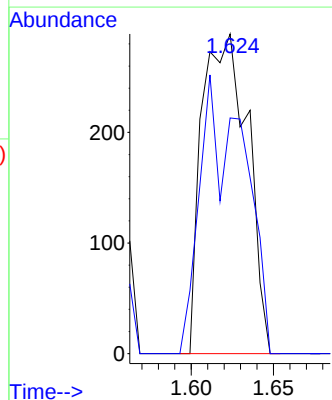
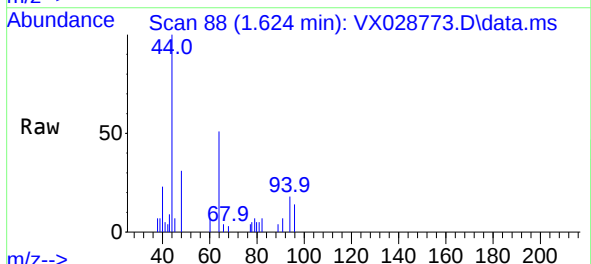
Instrument :
MSVOA_X
ClientSampleId :
TP1-0516

Tgt Ion:168 Resp: 284313
Ion Ratio Lower Upper
168 100
99 62.3 41.7 62.5

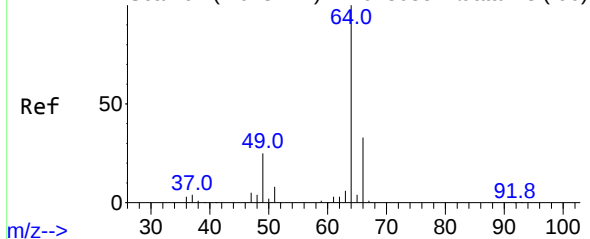


#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

Tgt Ion: 94 Resp: 558
Ion Ratio Lower Upper
94 100
96 73.7 75.3 112.9#



Abundance Scan 97 (1.678 min): VX028635.D\data.ms (-90)

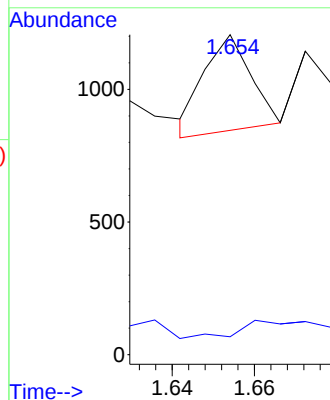
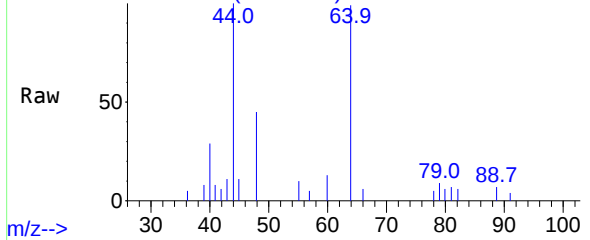


#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

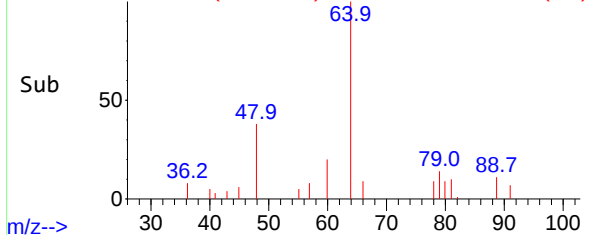
Instrument :
MSVOA_X
ClientSampleId :
TP1-0516

Tgt Ion: 64 Resp: 291
Ion Ratio Lower Upper
64 100
66 2.1 25.3 37.9#

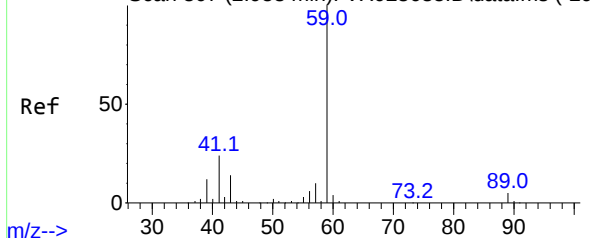
Abundance Scan 93 (1.654 min): VX028773.D\data.ms



Abundance Scan 93 (1.654 min): VX028773.D\data.ms (-48)



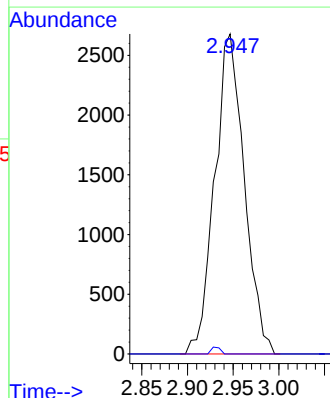
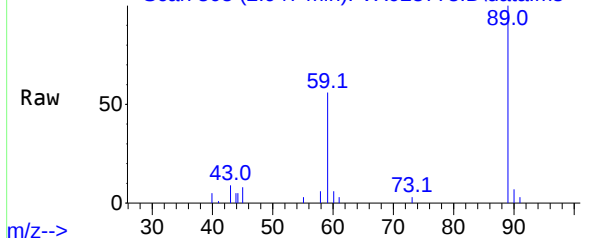
Abundance Scan 307 (2.958 min): VX028635.D\data.ms (-29)



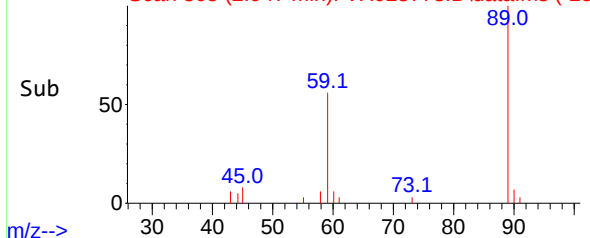
#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

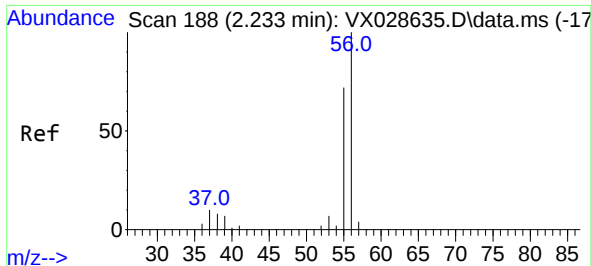
Tgt Ion: 59 Resp: 6034
Ion Ratio Lower Upper
59 100
57 0.7 8.3 12.5#

Abundance Scan 305 (2.947 min): VX028773.D\data.ms



Abundance Scan 305 (2.947 min): VX028773.D\data.ms (-25)

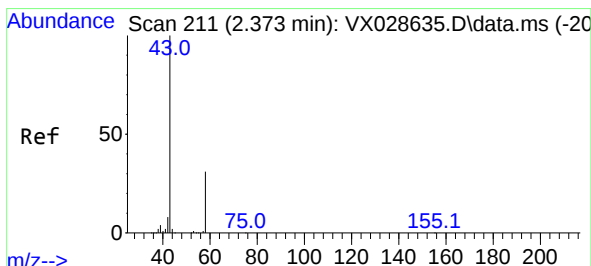
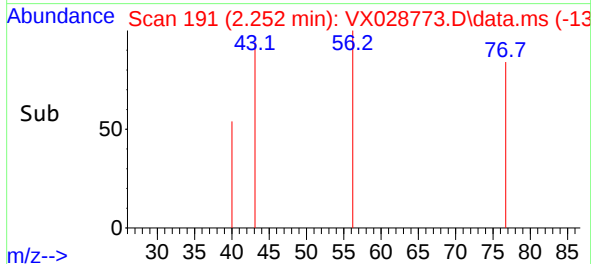
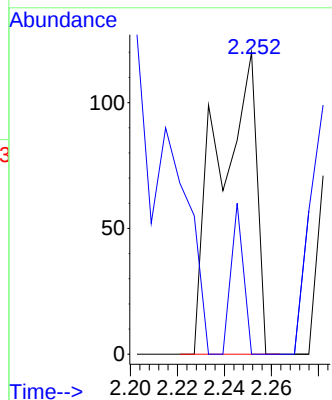
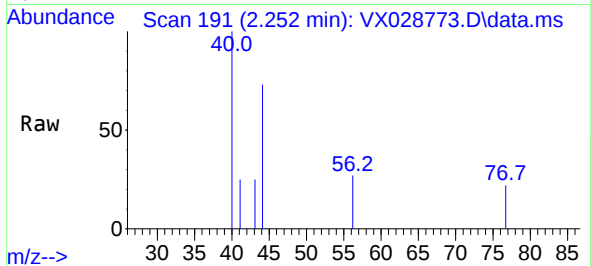




#13
Acrolein
Concen: 0.211 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.019 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

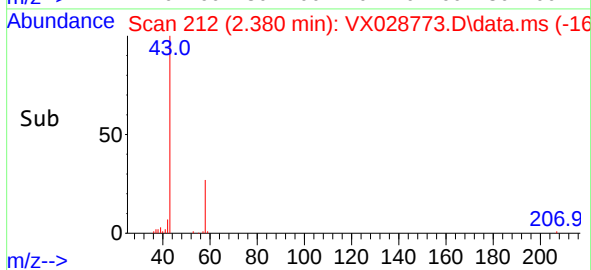
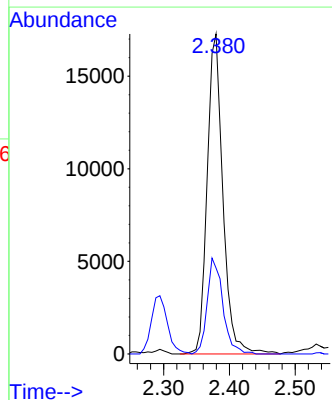
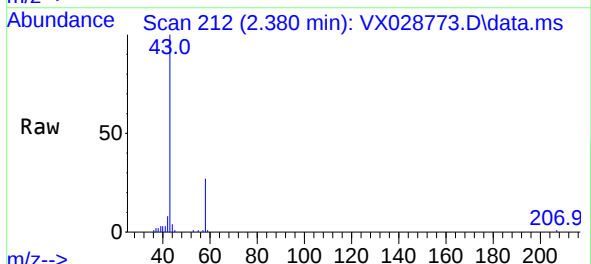
Instrument :
MSVOA_X
ClientSampleId :
TP1-0516

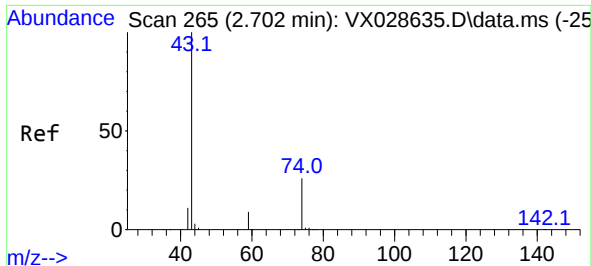
Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 16.3 55.0 82.6#



#16
Acetone
Concen: 17.168 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

Tgt Ion: 43 Resp: 28715
Ion Ratio Lower Upper
43 100
58 26.9 28.8 43.2#





#18

Methyl Acetate

Concen: 0.469 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.007 min

Lab File: VX028773.D

Acq: 17 May 2022 21:10

Instrument :

MSVOA_X

ClientSampleId :

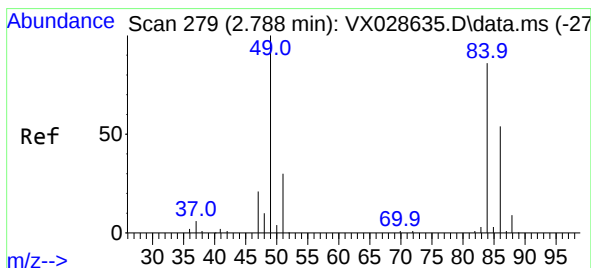
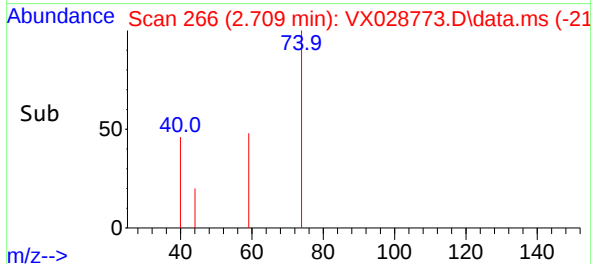
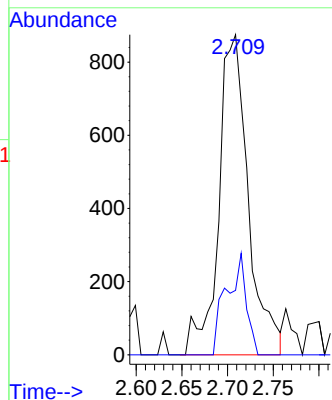
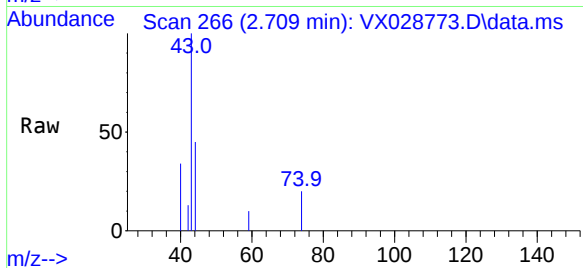
TP1-0516

Tgt Ion: 43 Resp: 1966

Ion Ratio Lower Upper

43 100

74 21.3 22.8 34.2#



#20

Methylene Chloride

Concen: 5.540 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX028773.D

Acq: 17 May 2022 21:10

Tgt Ion: 84 Resp: 19440

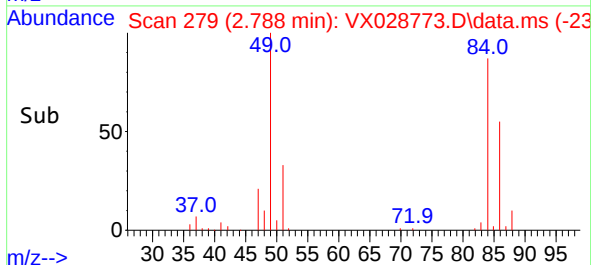
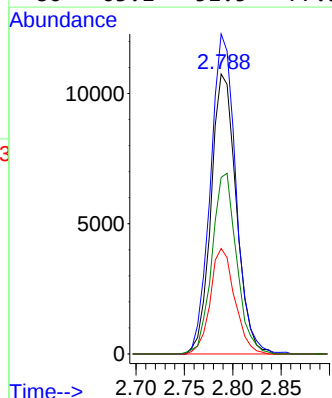
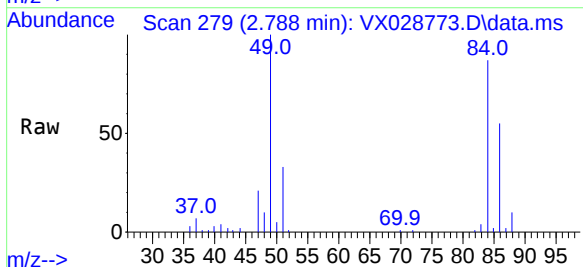
Ion Ratio Lower Upper

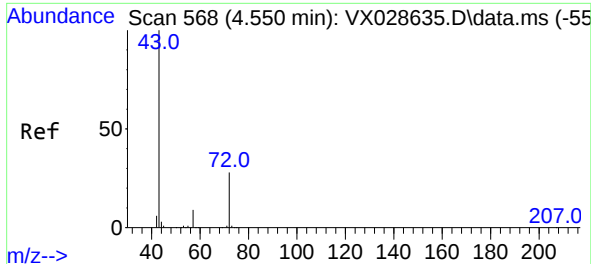
84 100

49 114.3 85.5 128.3

51 37.7 26.6 39.8

86 63.1 51.5 77.3

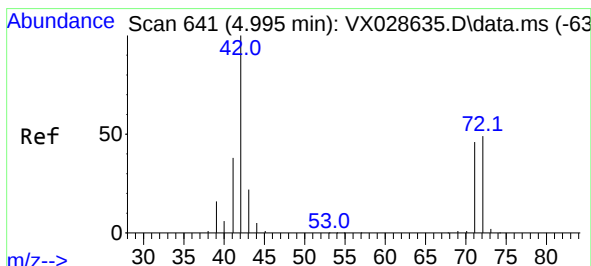
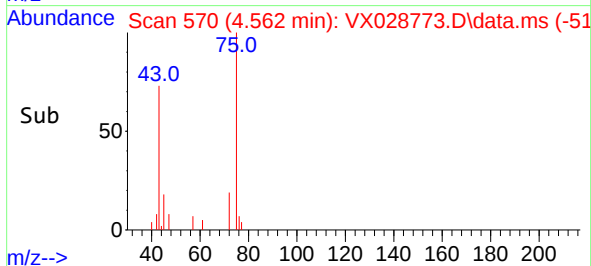
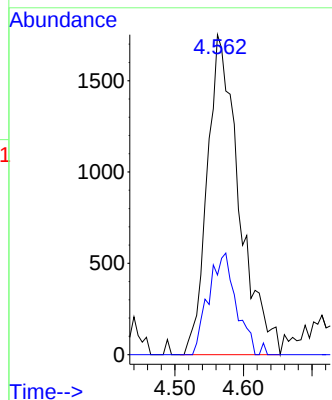
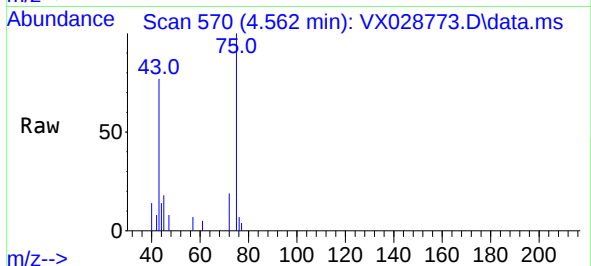




#25
2-Butanone
Concen: 2.157 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

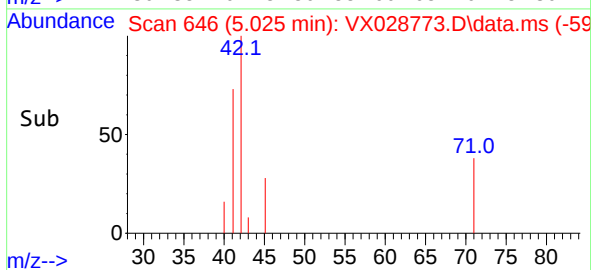
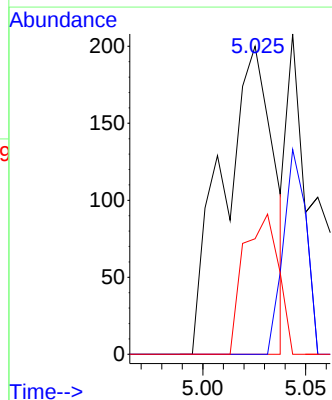
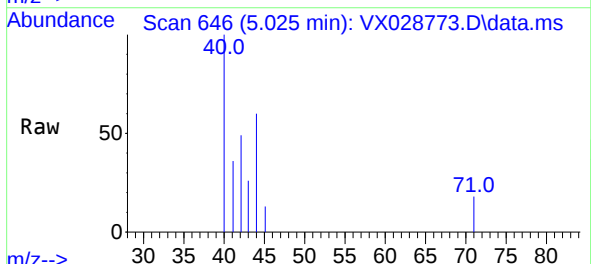
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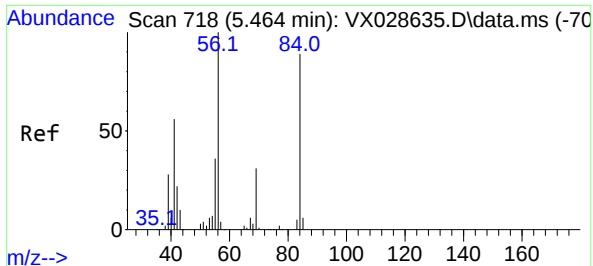
Tgt Ion: 43 Resp: 5662
Ion Ratio Lower Upper
43 100
72 24.9 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.202 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.030 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

Tgt Ion: 42 Resp: 345
Ion Ratio Lower Upper
42 100
72 29.9 44.1 66.1#
71 30.7 40.5 60.7#

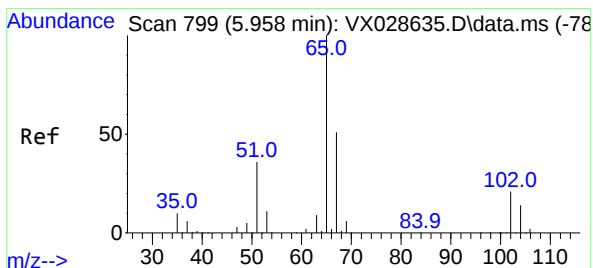
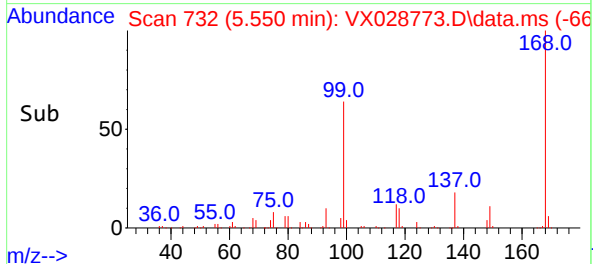
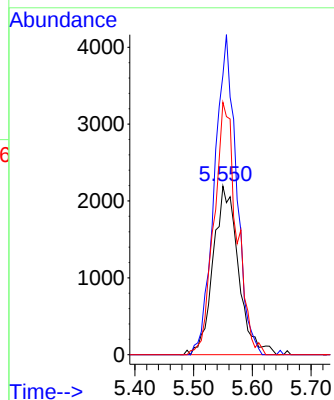
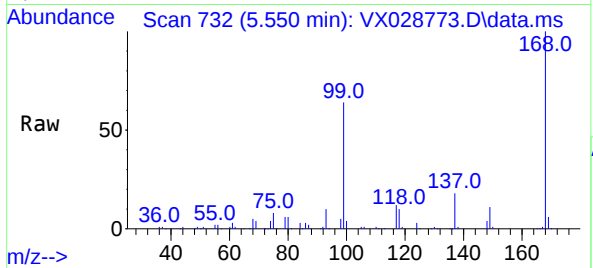




#31
Cyclohexane
Concen: 1.207 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

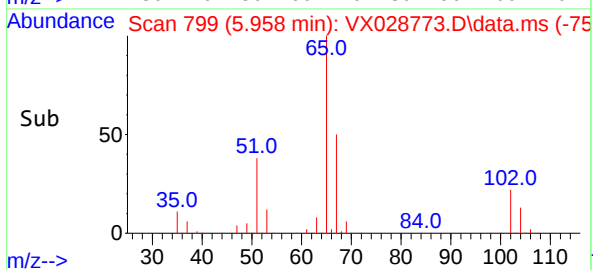
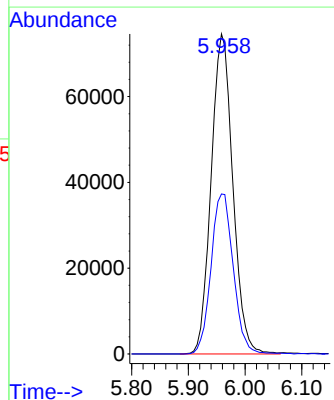
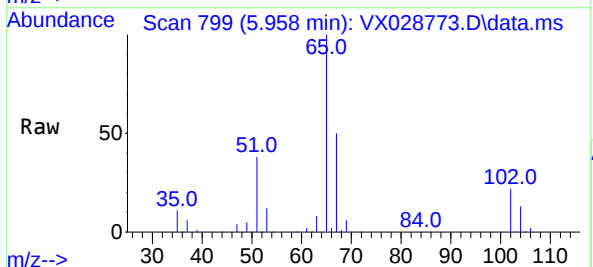
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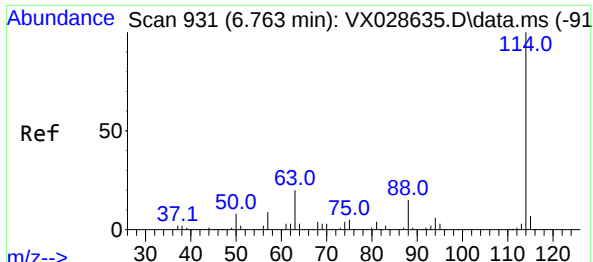
Tgt Ion: 56 Resp: 6530
Ion Ratio Lower Upper
56 100
69 165.9 26.7 40.1#
84 155.6 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 50.767 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

Tgt Ion: 65 Resp: 197852
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4

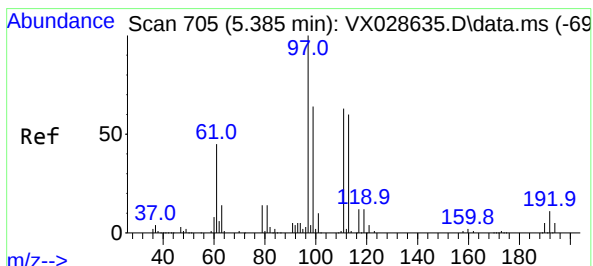
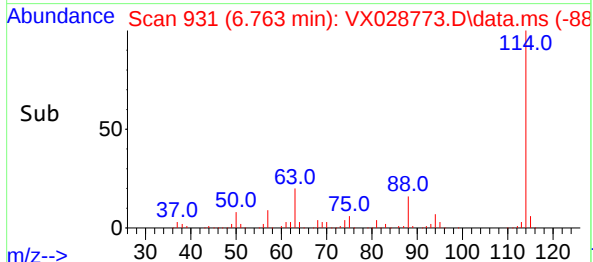
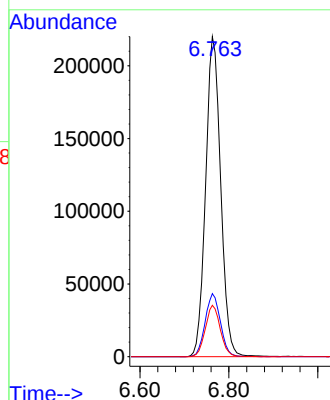
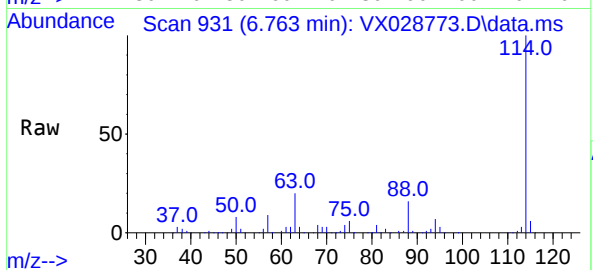




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

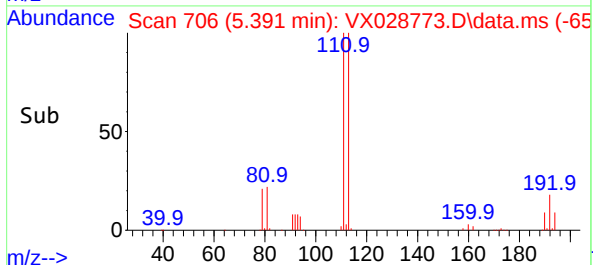
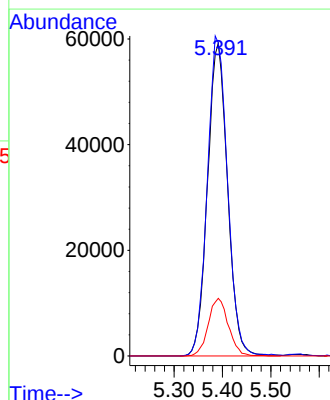
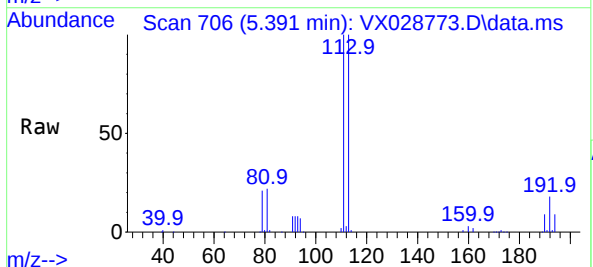
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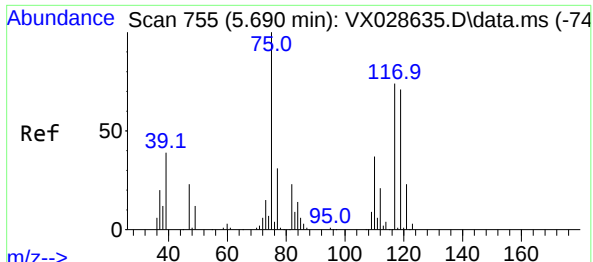
Tgt Ion:114 Resp: 519538
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.8
88 16.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.098 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

Tgt Ion:113 Resp: 170532
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 18.5 16.9 25.3

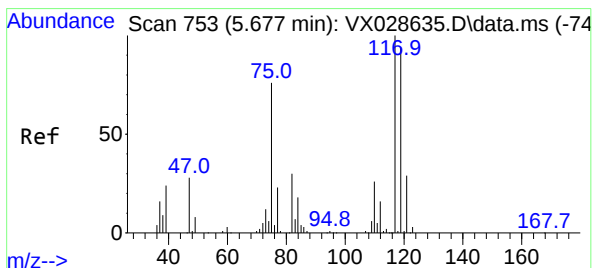
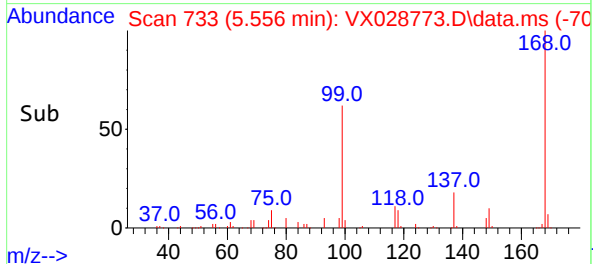
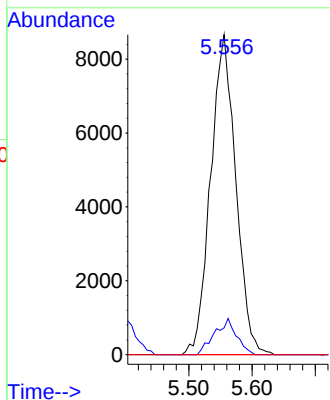
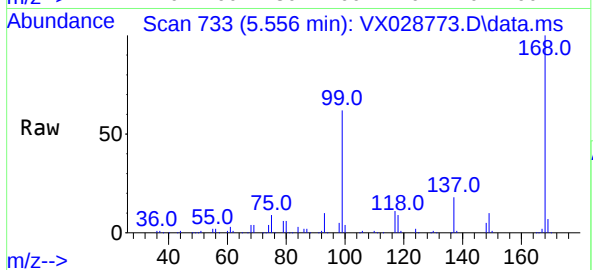




#36
1,1-Dichloropropene
Concen: 4.679 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

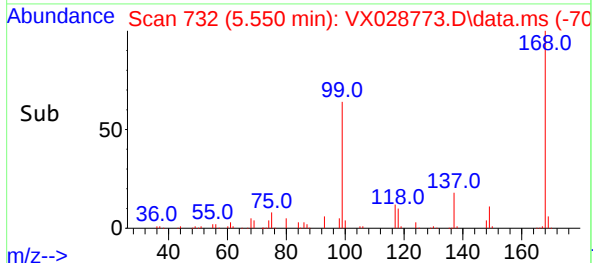
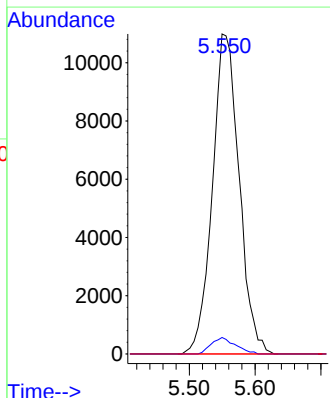
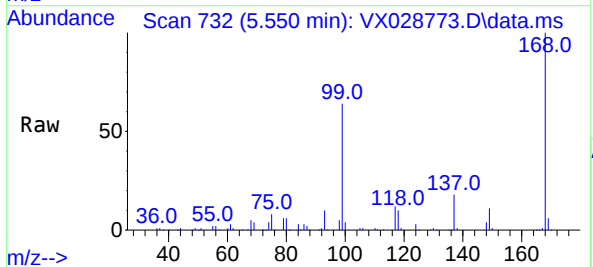
Instrument :
MSVOA_X
ClientSampleId :
TP1-0516

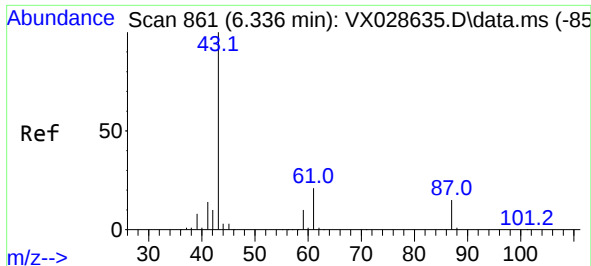
Tgt Ion: 75 Resp: 23922
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.037 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

Tgt Ion: 117 Resp: 31064
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 24.2 36.2#

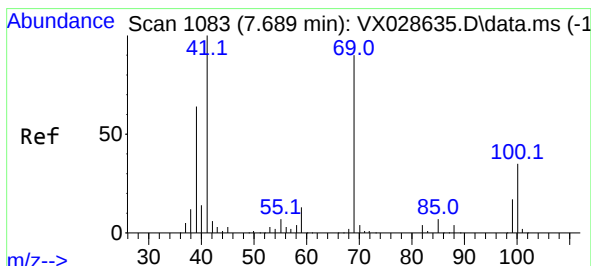
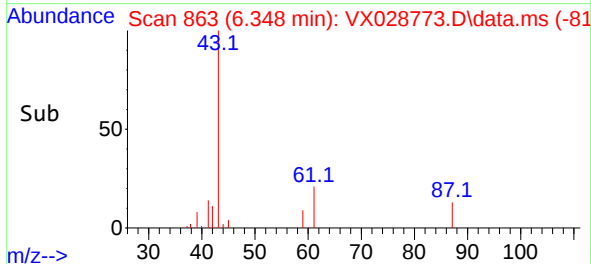
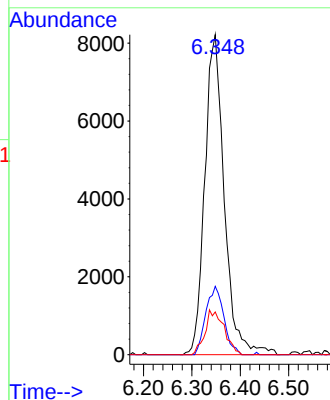
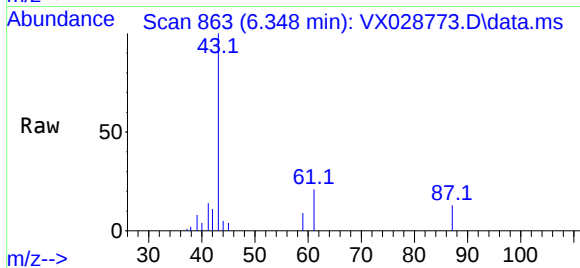




#43
Isopropyl Acetate
Concen: 2.756 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

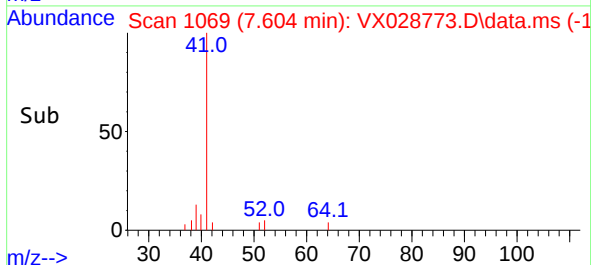
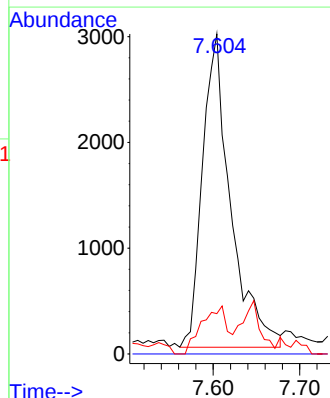
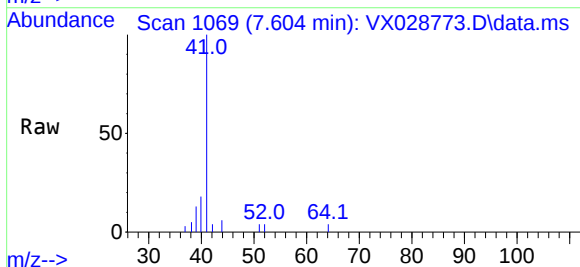
Instrument :
MSVOA_X
ClientSampleId :
TP1-0516

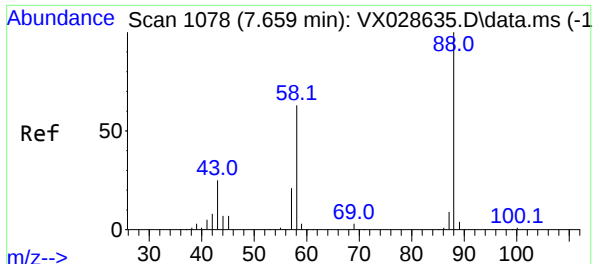
Tgt Ion: 43 Resp: 23022
Ion Ratio Lower Upper
43 100
61 19.7 18.5 27.7
87 13.6 13.0 19.6



#48
Methyl methacrylate
Concen: 1.661 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.085 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

Tgt Ion: 41 Resp: 6704
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#

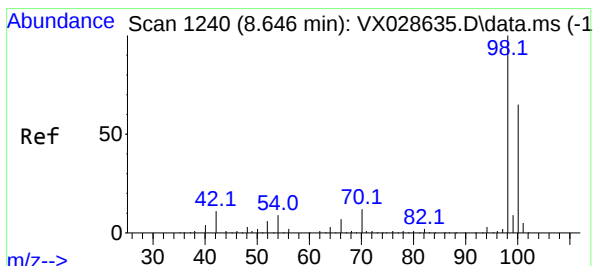
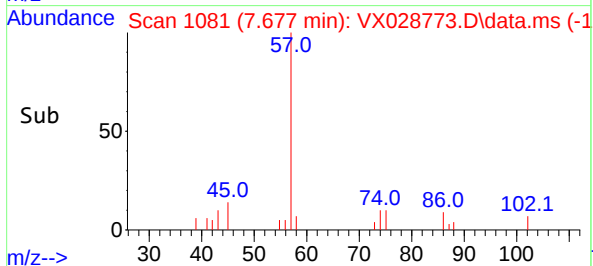
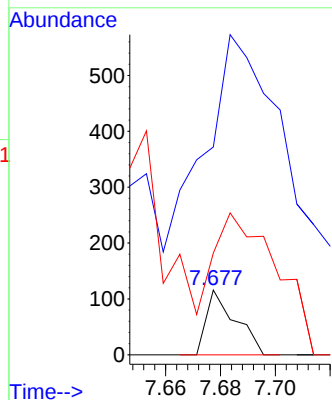
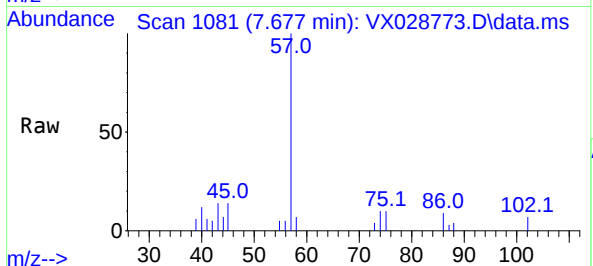




#49
1,4-Dioxane
Concen: 0.843 ug/l
RT: 7.677 min Scan# 1078
Delta R.T. 0.018 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

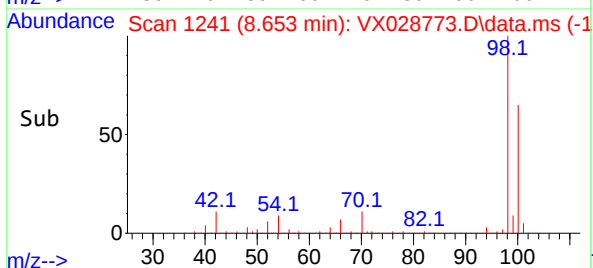
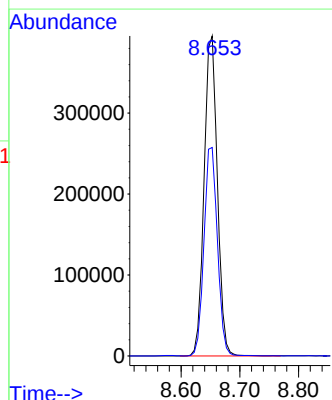
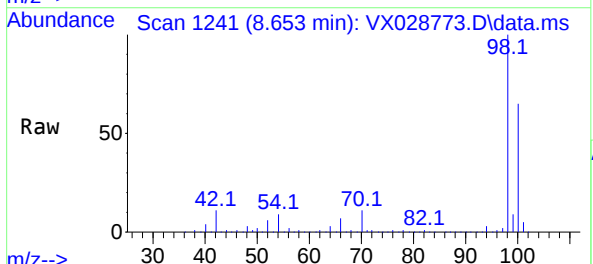
Instrument :
MSVOA_X
ClientSampleId :
TP1-0516

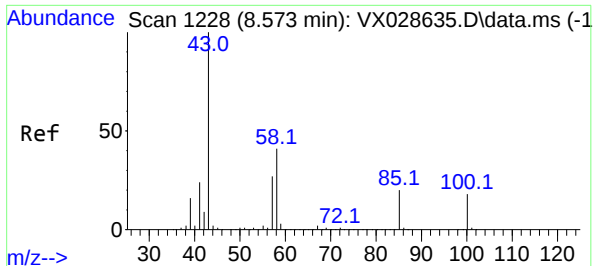
Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 485.9 53.7 80.5#



#50
Toluene-d8
Concen: 48.443 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

Tgt Ion: 98 Resp: 621688
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.801 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX028773.D

Acq: 17 May 2022 21:10

Instrument :

MSVOA_X

ClientSampleId :

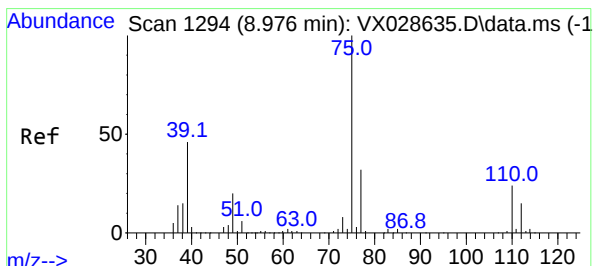
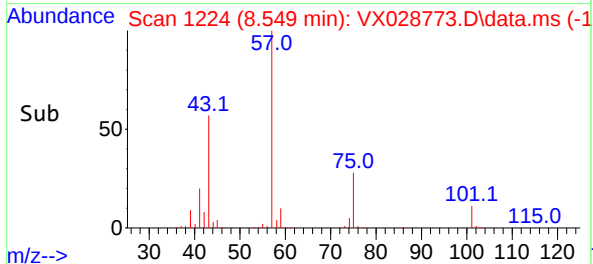
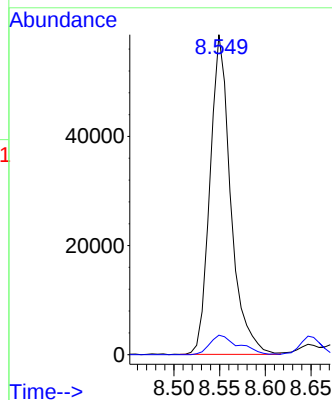
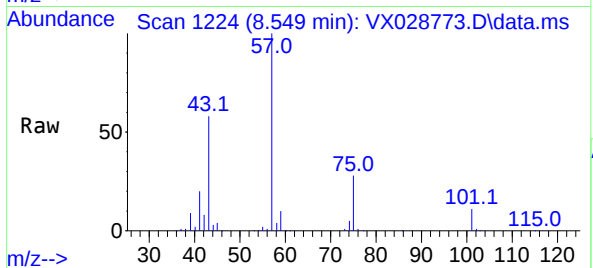
TP1-0516

Tgt Ion: 43 Resp: 92453

Ion Ratio Lower Upper

43 100

58 8.5 36.1 54.1#



#53

t-1,3-Dichloropropene

Concen: 1.644 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX028773.D

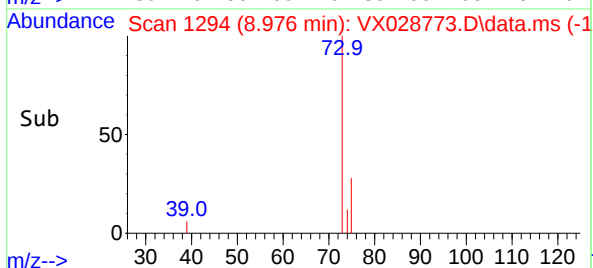
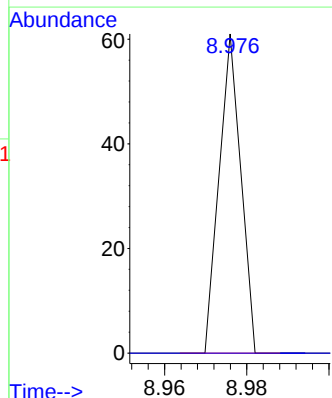
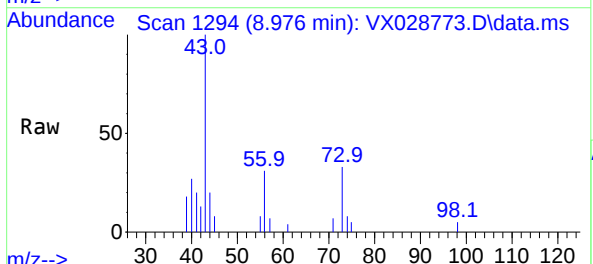
Acq: 17 May 2022 21:10

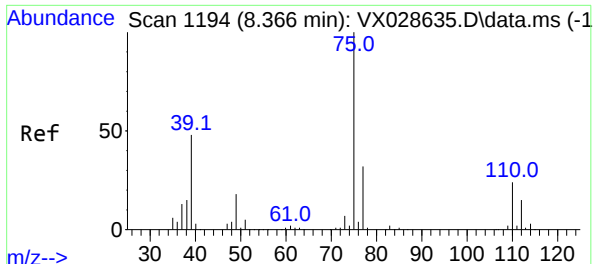
Tgt Ion: 75 Resp: 22

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

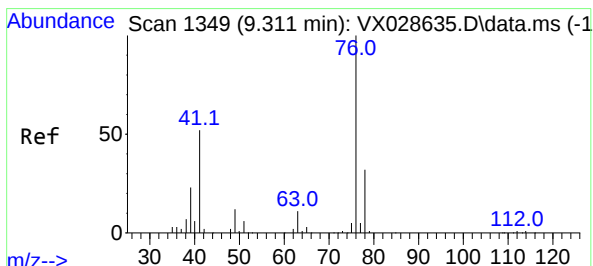
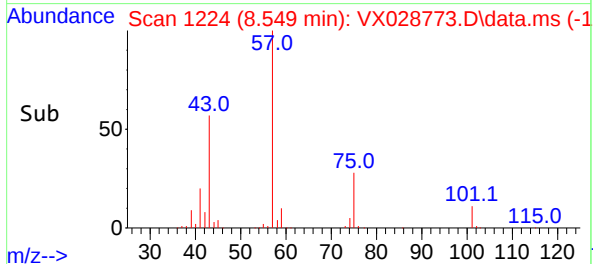
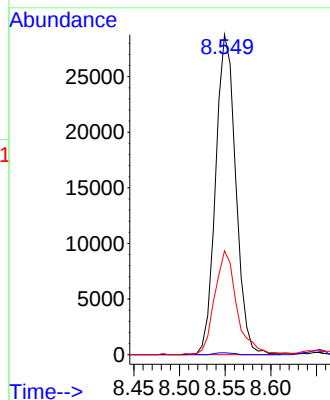
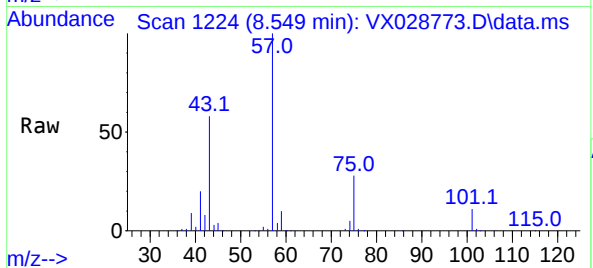




#54
 cis-1,3-Dichloropropene
 Concen: 7.718 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028773.D
 Acq: 17 May 2022 21:10

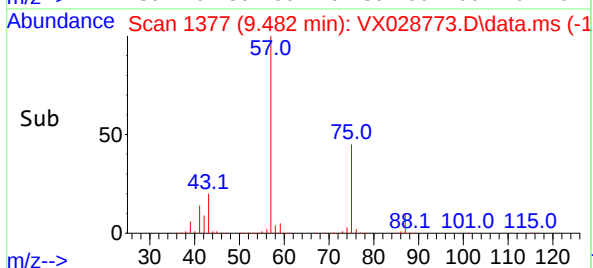
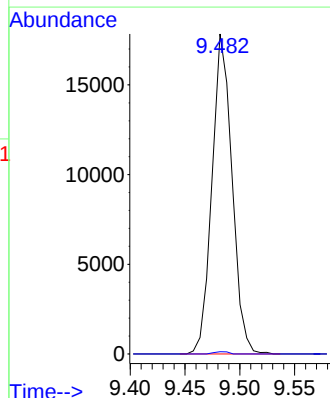
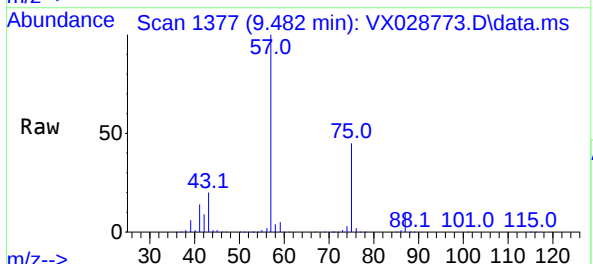
Instrument :
 MSVOA_X
 ClientSampleId :
 TP1-0516

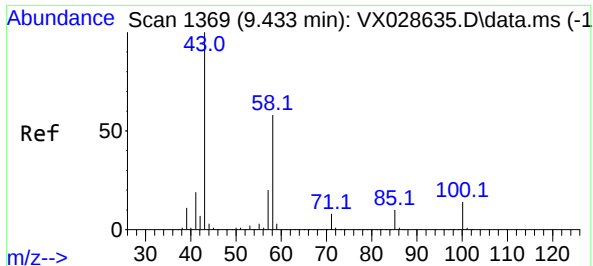
Tgt Ion: 75 Resp: 44143
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.8 37.2#
 39 32.5 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 3.490 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028773.D
 Acq: 17 May 2022 21:10

Tgt Ion: 76 Resp: 22690
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.8 38.8#





#59

2-Hexanone

Concen: 65.999 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX028773.D

Acq: 17 May 2022 21:10

Instrument :

MSVOA_X

ClientSampleId :

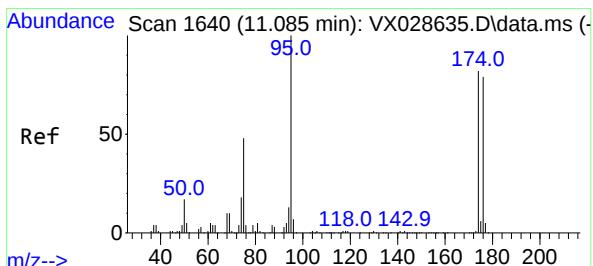
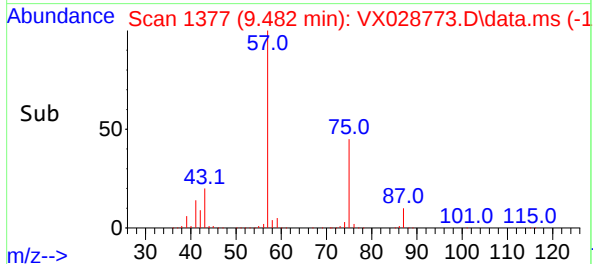
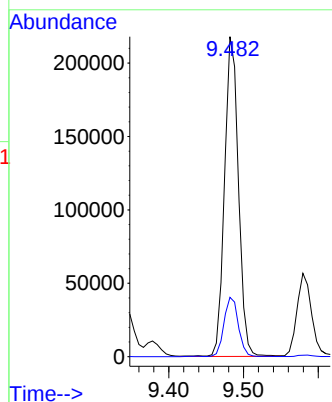
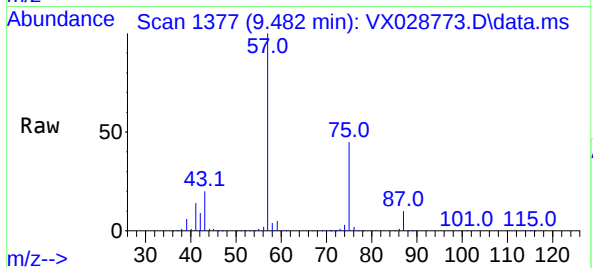
TP1-0516

Tgt Ion: 43 Resp: 282170

Ion Ratio Lower Upper

43 100

58 19.1 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 63.842 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028773.D

Acq: 17 May 2022 21:10

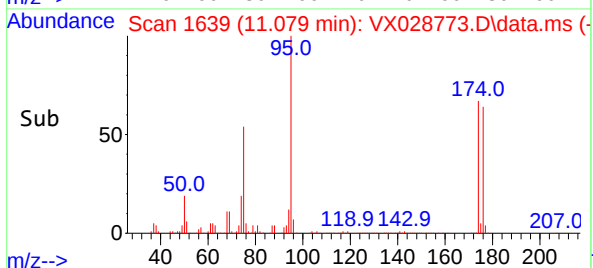
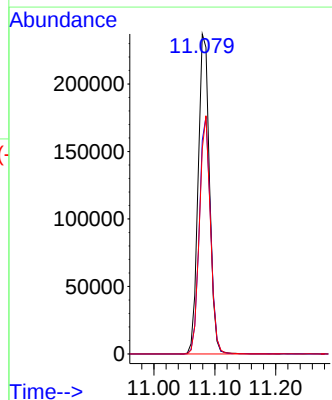
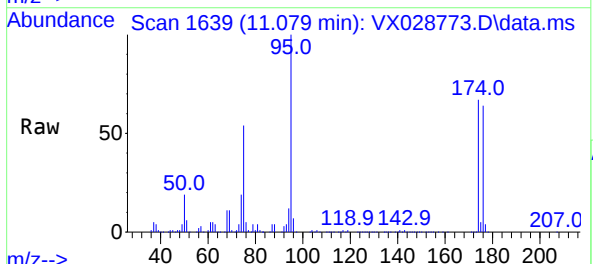
Tgt Ion: 95 Resp: 306019

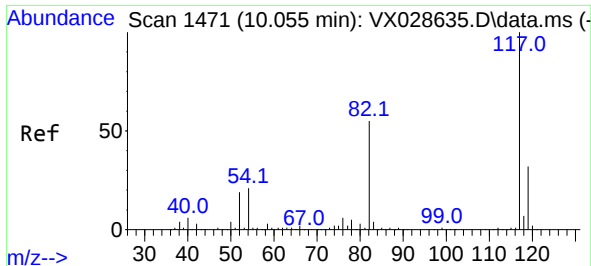
Ion Ratio Lower Upper

95 100

174 73.2 0.0 163.0

176 72.2 0.0 155.0

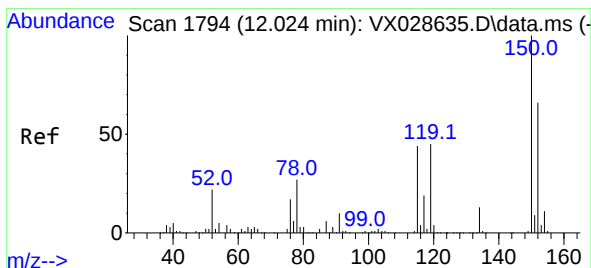
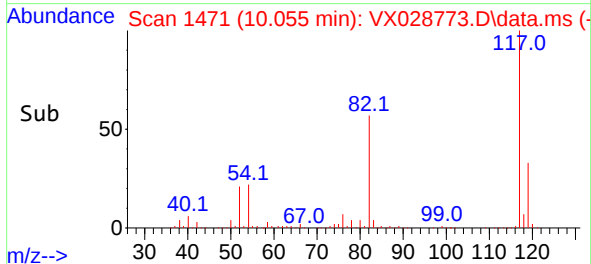
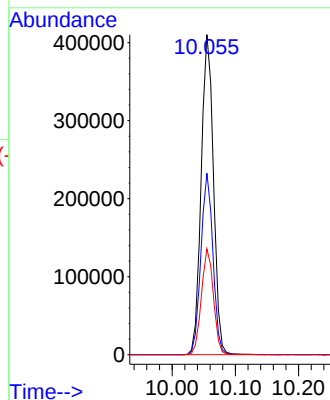
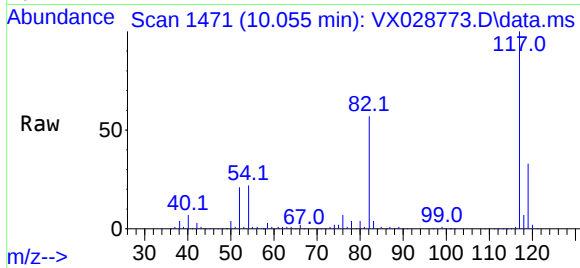




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

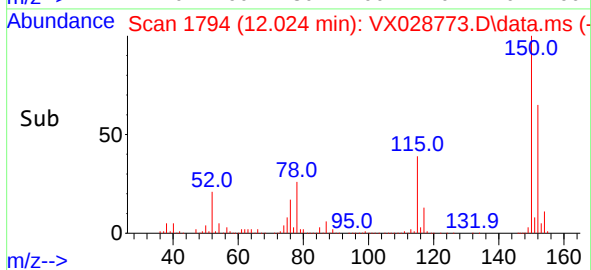
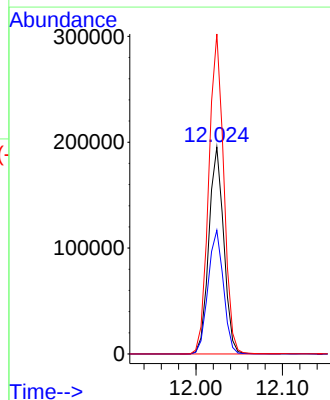
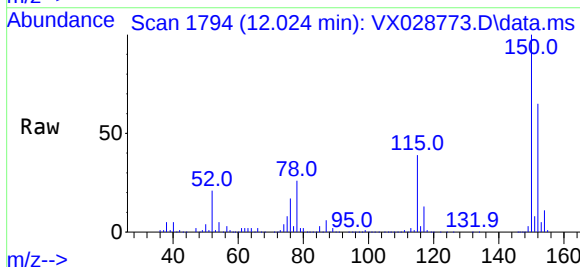
Instrument :
MSVOA_X
ClientSampleId :
TP1-0516

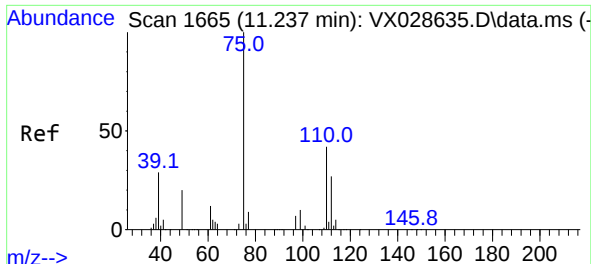
Tgt Ion:117 Resp: 555071
Ion Ratio Lower Upper
117 100
82 56.7 41.8 62.8
119 33.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

Tgt Ion:152 Resp: 233867
Ion Ratio Lower Upper
152 100
115 61.5 37.5 112.7
150 156.0 0.0 338.2

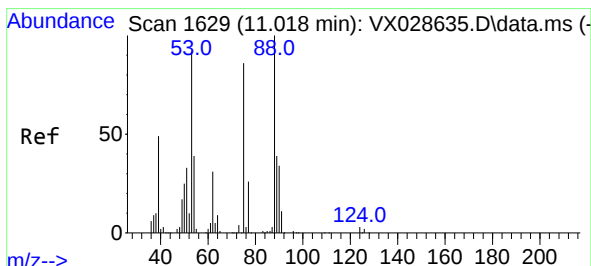
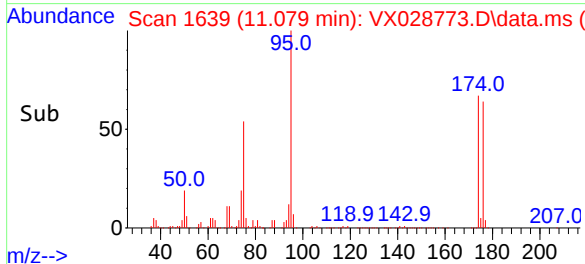
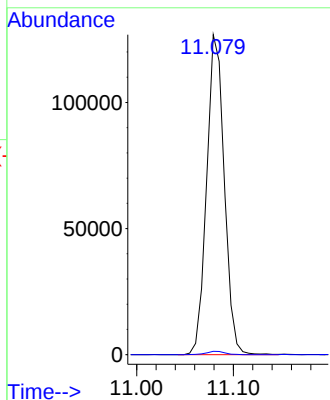
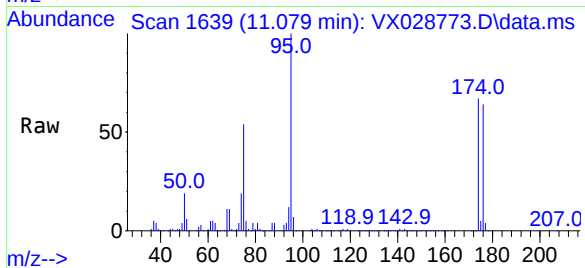




#76
1,2,3-Trichloropropane
Concen: 29.374 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

Instrument :
MSVOA_X
ClientSampleId :
TP1-0516

Tgt Ion: 75 Resp: 160879
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.717 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028773.D
Acq: 17 May 2022 21:10

Tgt Ion: 75 Resp: 160879
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

