

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028601.D
 Acq On : 10 May 2022 17:55
 Operator : JC/MD
 Sample : N2749-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Quant Time: May 11 07:03:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

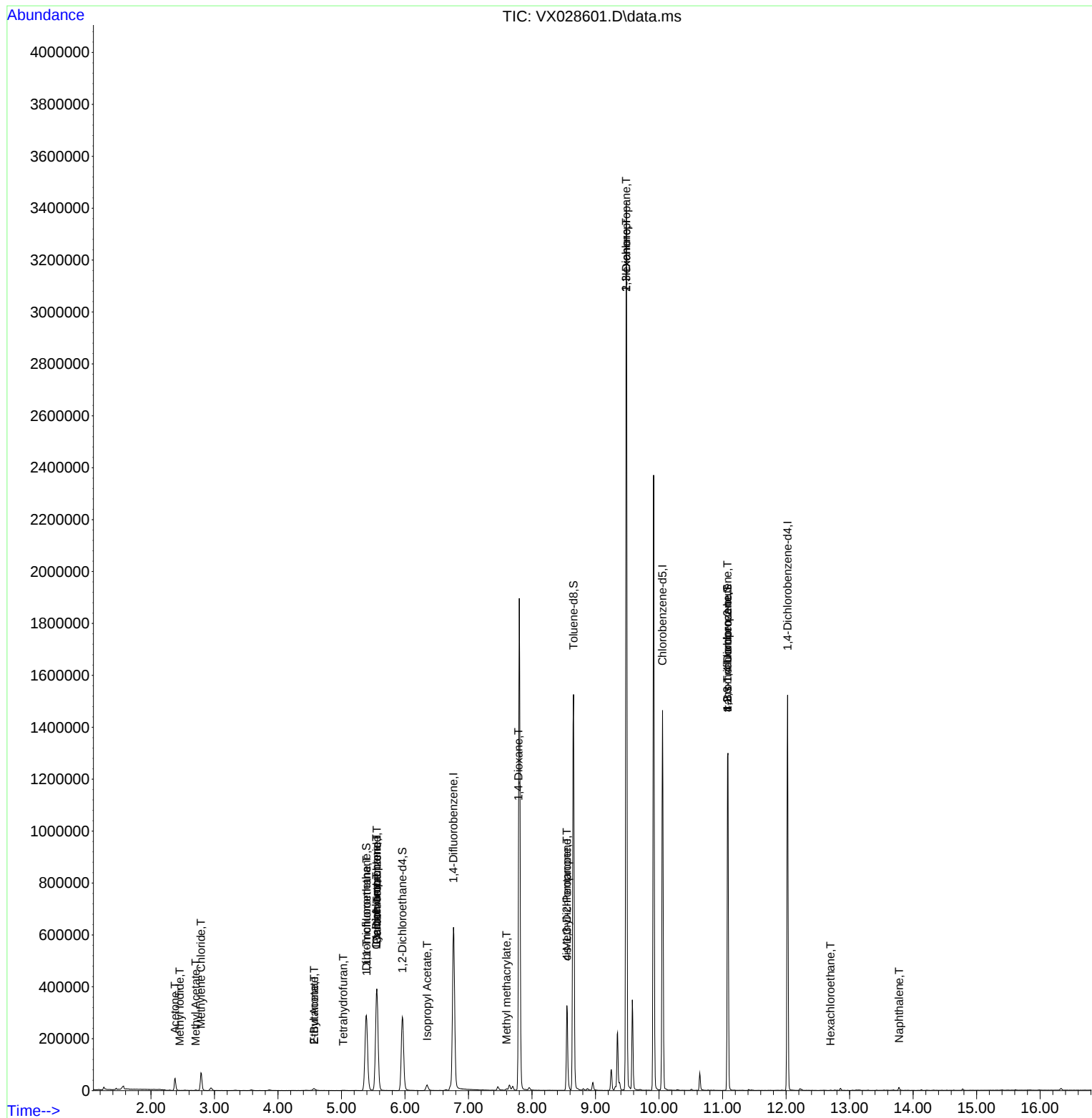
Internal Standards						
1) Pentafluorobenzene	5.556	168	387874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	667681	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	664509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	323208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	270484	53.483	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.960%			
35) Dibromofluoromethane	5.391	113	251722	53.759	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.520%			
50) Toluene-d8	8.653	98	929941	51.709	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.420%			
62) 4-Bromofluorobenzene	11.079	95	346266	50.356	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.720%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	258	Below Cal	#	42
5) Bromomethane	1.617	94	715	Below Cal		84
6) Chloroethane	1.563	64	2857	Below Cal	#	62
8) Diethyl Ether	2.136	74	48	Below Cal	#	7
10) Methyl Iodide	2.453	142	115	5.258 ug/l	#	85
11) Tert butyl alcohol	2.946	59	5799	Below Cal	#	72
16) Acetone	2.379	43	47161	29.298 ug/l		94
18) Methyl Acetate	2.703	43	2433	0.541 ug/l	#	85
20) Methylene Chloride	2.788	84	32777	8.735 ug/l		98
25) 2-Butanone	4.568	43	9915	3.310 ug/l		94
29) Tetrahydrofuran	5.025	42	923	0.473 ug/l	#	63
31) Cyclohexane	5.550	56	7521	1.221 ug/l	#	9
32) 1,1,1-Trichloroethane	5.397	97	2609	0.357 ug/l	#	49
36) 1,1-Dichloropropene	5.550	75	26963	4.415 ug/l	#	50
37) Ethyl Acetate	4.568	43	9915	1.600 ug/l	#	69
38) Carbon Tetrachloride	5.556	117	38134	5.531 ug/l	#	16
43) Isopropyl Acetate	6.348	43	28395	2.815 ug/l		97
48) Methyl methacrylate	7.598	41	7774	1.679 ug/l	#	7
49) 1,4-Dioxane	7.787	88	284	2.292 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	104987	16.220 ug/l	#	45
54) cis-1,3-Dichloropropene	8.549	75	56251	7.470 ug/l	#	67
57) 1,3-Dichloropropane	9.482	76	34045	4.180 ug/l	#	43
59) 2-Hexanone	9.482	43	376890	75.171 ug/l	#	45
76) 1,2,3-Trichloropropane	11.079	75	172417	27.106 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	172417	80.551 ug/l	#	15
90) Hexachloroethane	12.701	117	878	2.048 ug/l	#	10
95) Naphthalene	13.780	128	7744	0.362 ug/l		97

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

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TP-1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
Response via : Initial Calibration

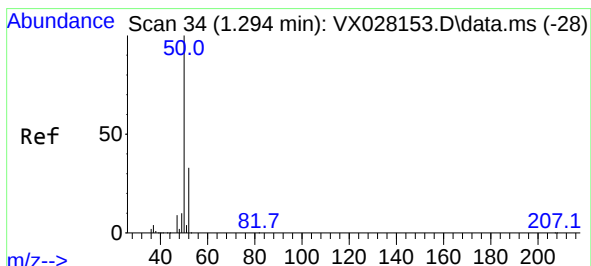
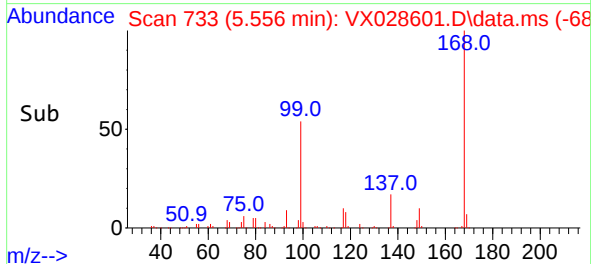
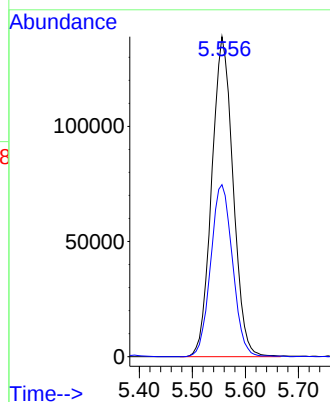
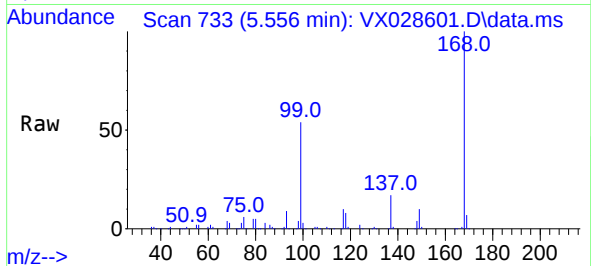




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

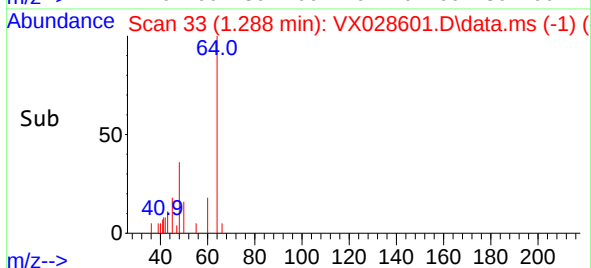
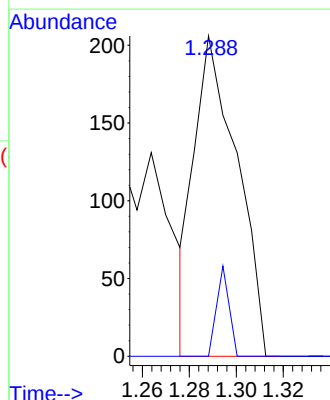
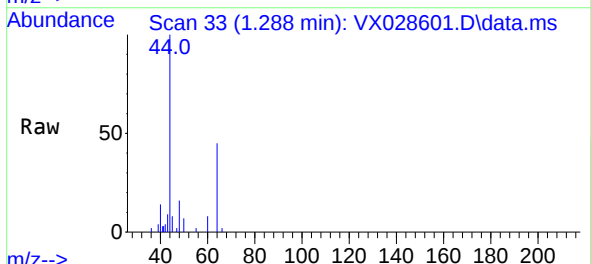
Instrument :
MSVOA_X
ClientSampleId :
TP-1

Tgt Ion:168 Resp: 387874
Ion Ratio Lower Upper
168 100
99 53.7 41.7 62.5

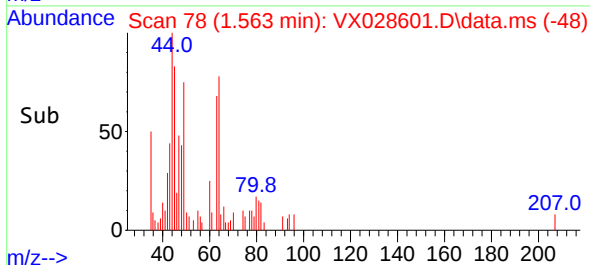
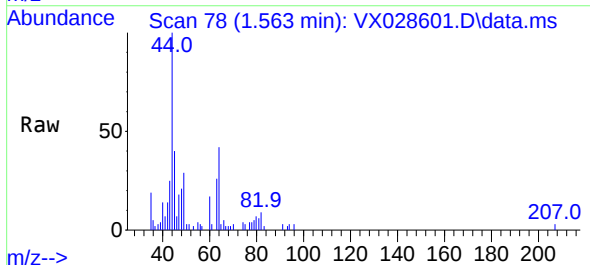
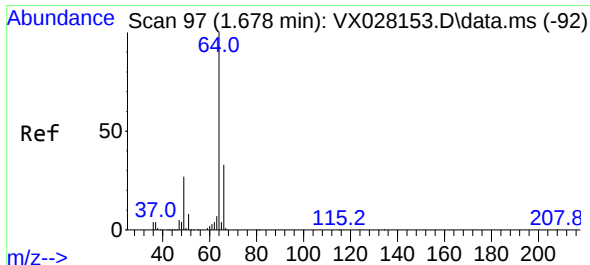
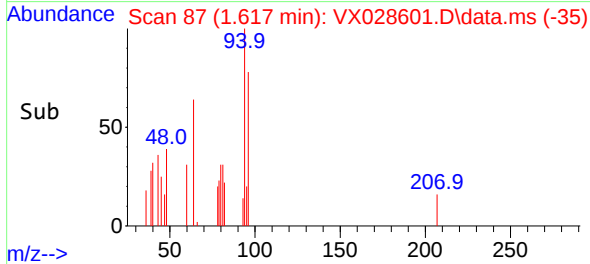
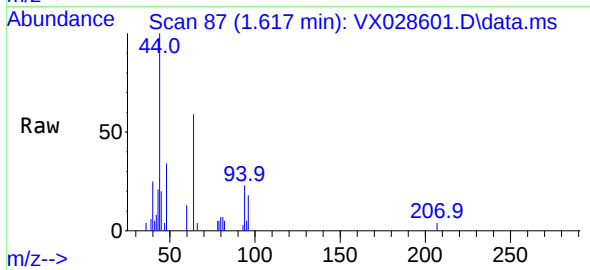
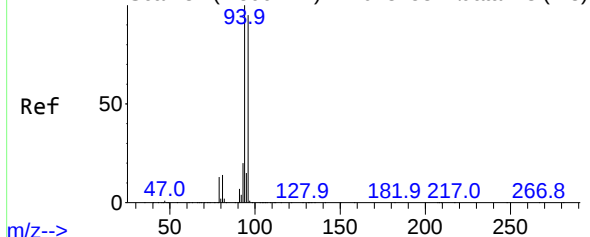


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Tgt Ion: 50 Resp: 258
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



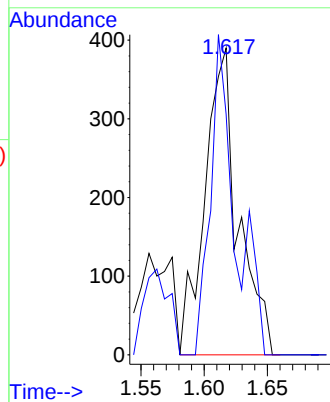
Abundance Scan 84 (1.599 min): VX028153.D\data.ms (-78)



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

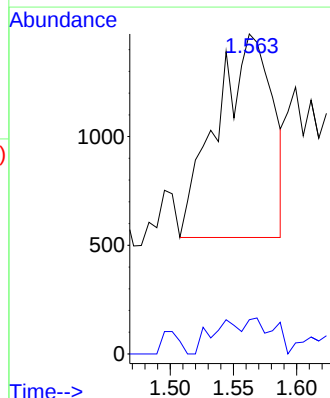
Instrument :
MSVOA_X
ClientSampleId :
TP-1

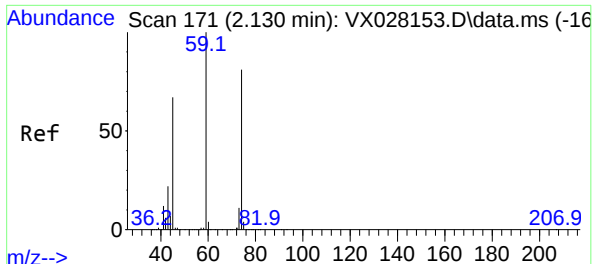
Tgt Ion: 94 Resp: 715
Ion Ratio Lower Upper
94 100
96 78.5 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.563 min Scan# 78
Delta R.T. -0.115 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Tgt Ion: 64 Resp: 2857
Ion Ratio Lower Upper
64 100
66 10.6 25.3 37.9#

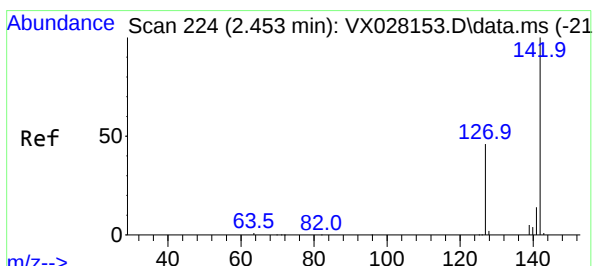
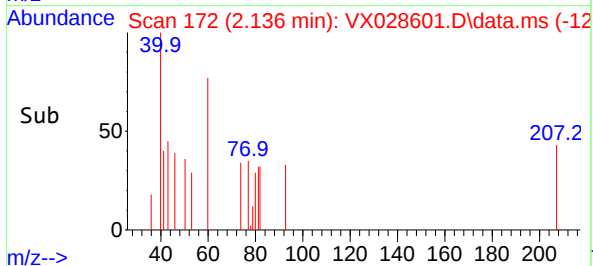
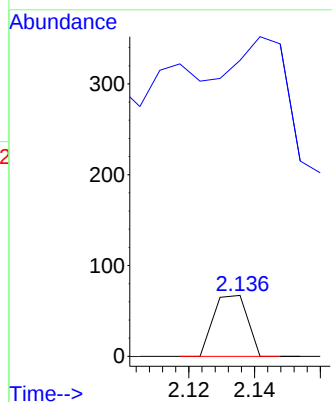
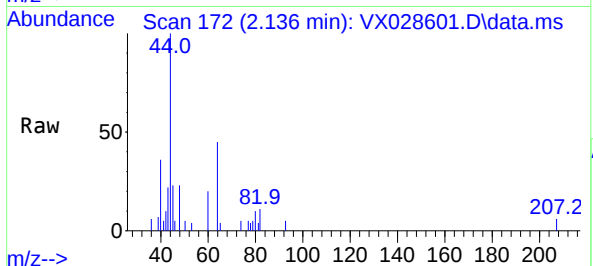




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

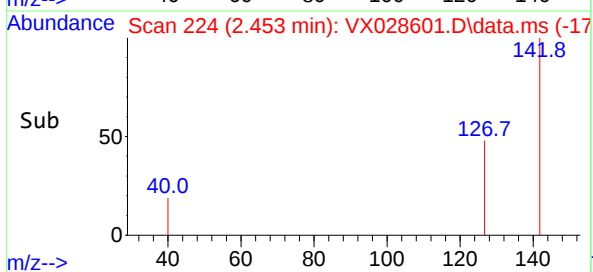
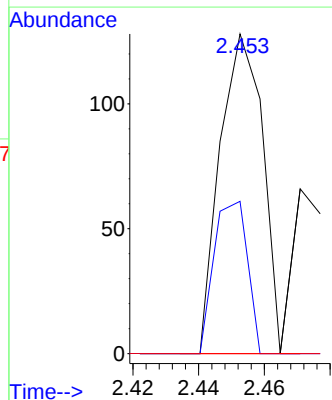
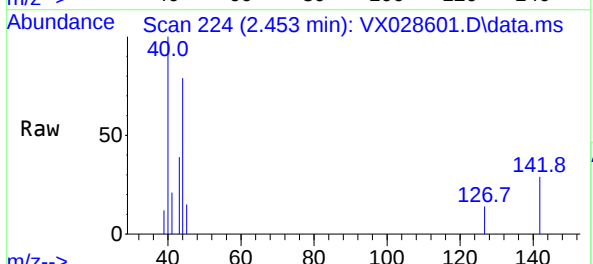
Instrument :
MSVOA_X
ClientSampleId :
TP-1

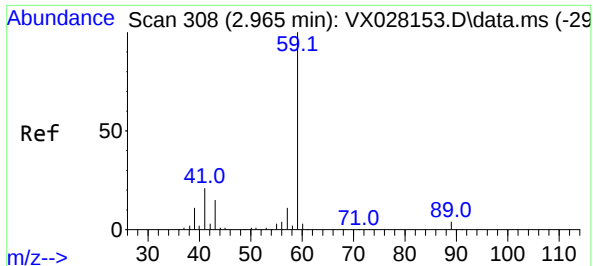
Tgt Ion: 74 Resp: 48
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.258 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Tgt Ion: 142 Resp: 115
Ion Ratio Lower Upper
142 100
127 37.4 33.9 50.9
141 0.0 11.4 17.2#

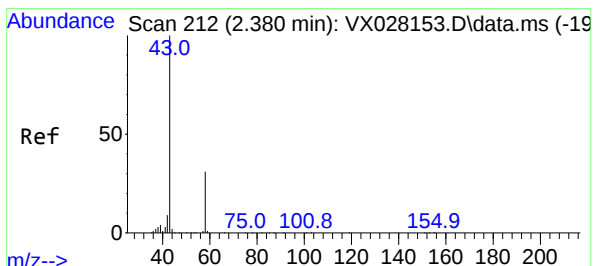
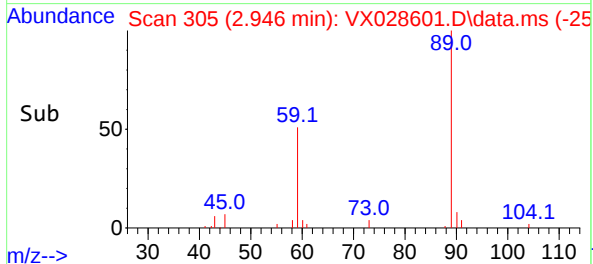
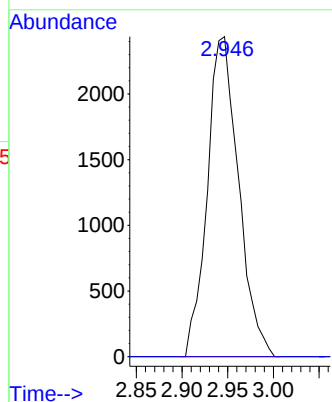
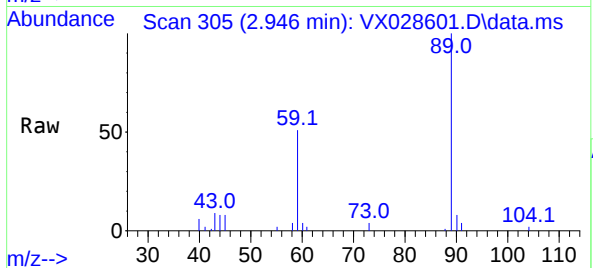




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 308
Delta R.T. -0.019 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

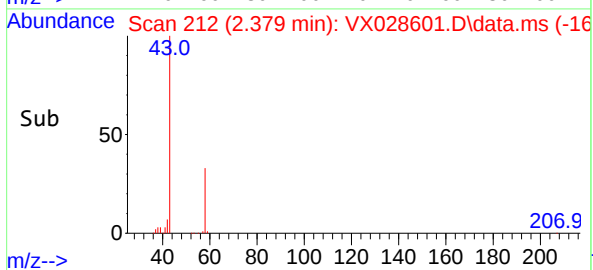
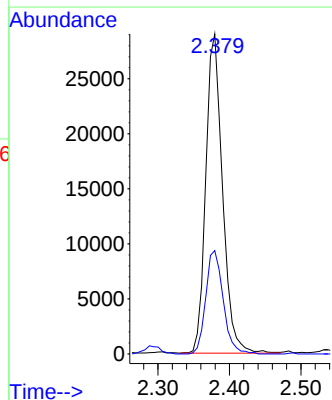
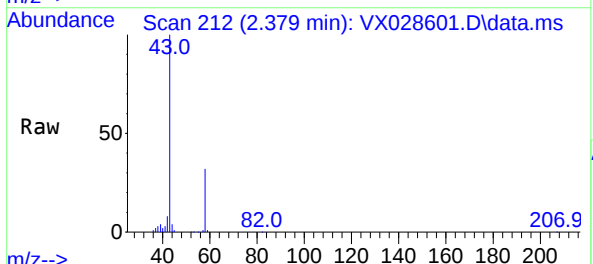
Instrument :
MSVOA_X
ClientSampleId :
TP-1

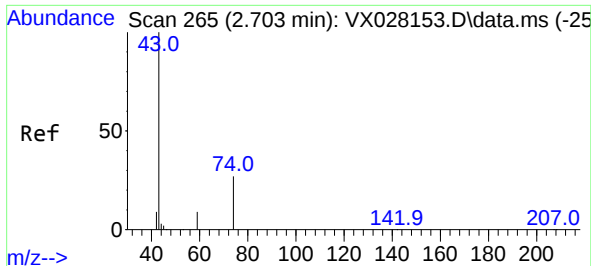
Tgt Ion: 59 Resp: 5799
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 29.298 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Tgt Ion: 43 Resp: 47161
Ion Ratio Lower Upper
43 100
58 32.4 28.8 43.2

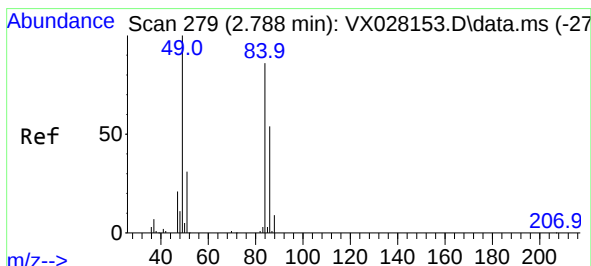
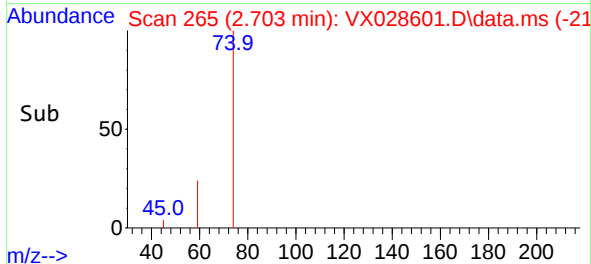
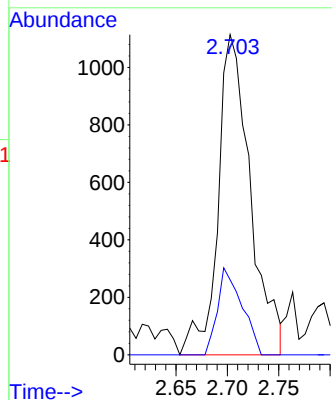
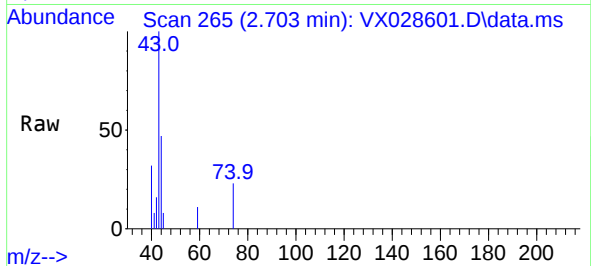




#18
Methyl Acetate
Concen: 0.541 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

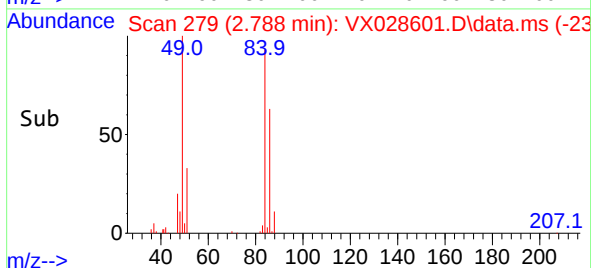
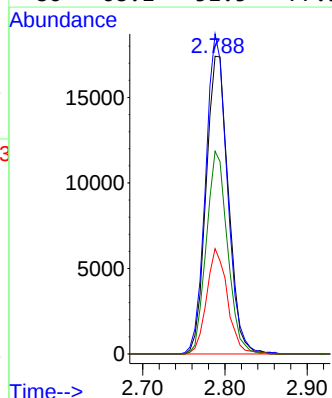
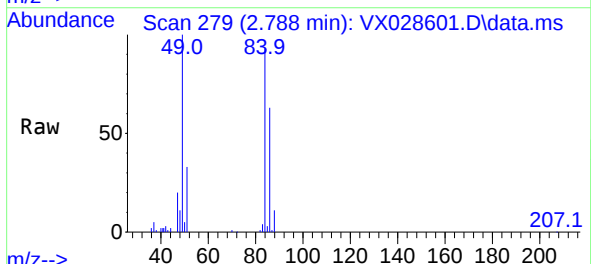
Instrument :
MSVOA_X
ClientSampleId :
TP-1

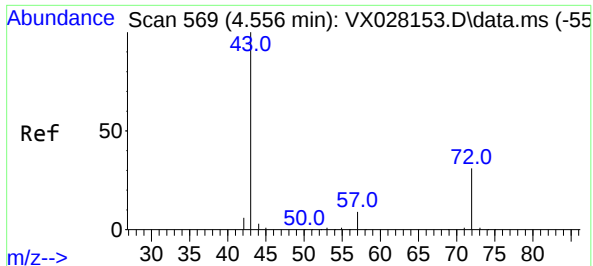
Tgt Ion: 43 Resp: 2433
Ion Ratio Lower Upper
43 100
74 20.4 22.8 34.2#



#20
Methylene Chloride
Concen: 8.735 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Tgt Ion: 84 Resp: 32777
Ion Ratio Lower Upper
84 100
49 107.5 85.5 128.3
51 35.4 26.6 39.8
86 68.1 51.5 77.3





#25

2-Butanone

Concen: 3.310 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028601.D

Acq: 10 May 2022 17:55

Instrument :

MSVOA_X

ClientSampleId :

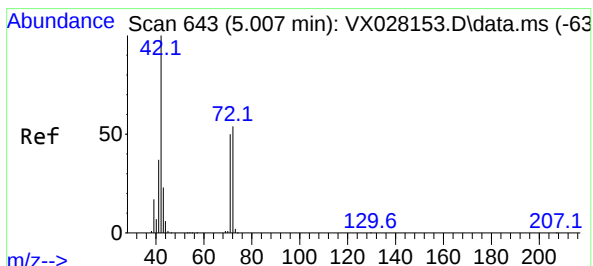
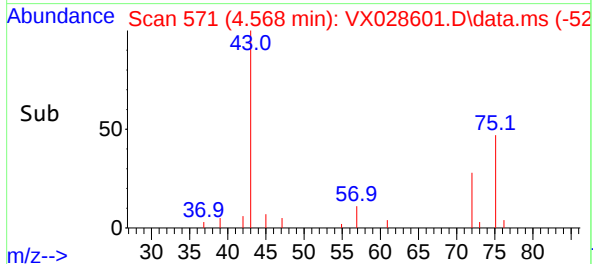
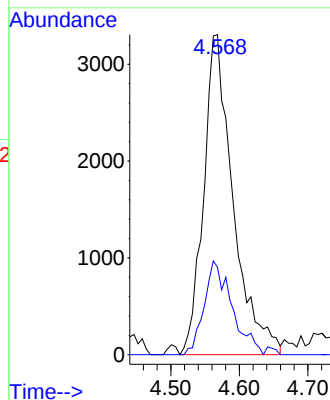
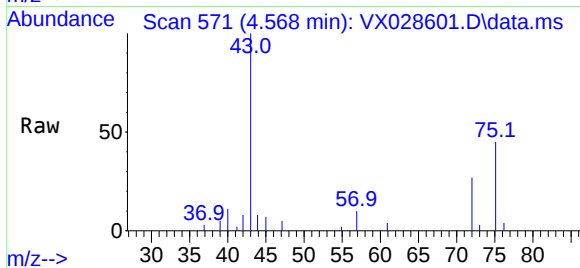
TP-1

Tgt Ion: 43 Resp: 9915

Ion Ratio Lower Upper

43 100

72 27.4 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.473 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.018 min

Lab File: VX028601.D

Acq: 10 May 2022 17:55

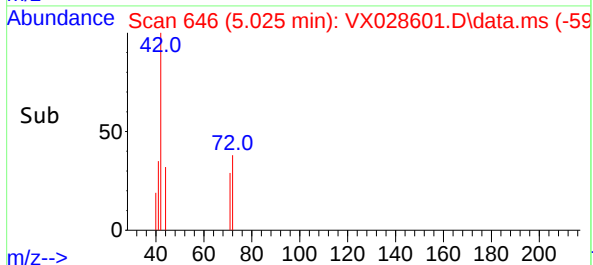
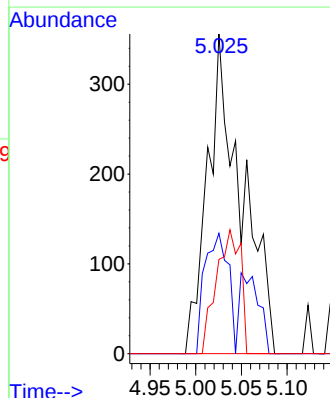
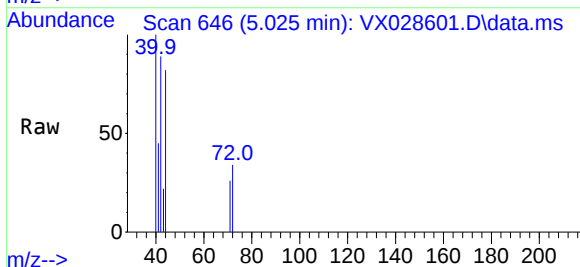
Tgt Ion: 42 Resp: 923

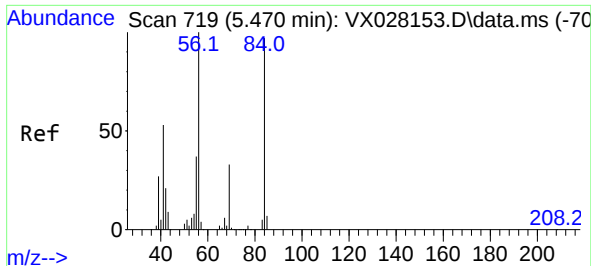
Ion Ratio Lower Upper

42 100

72 25.9 44.1 66.1#

71 27.4 40.5 60.7#

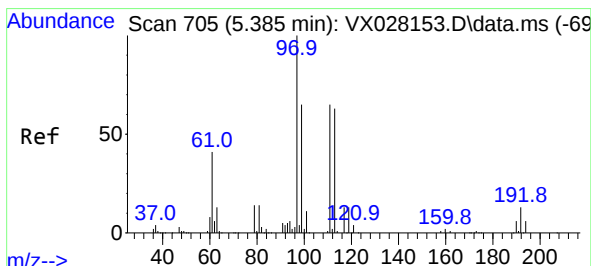
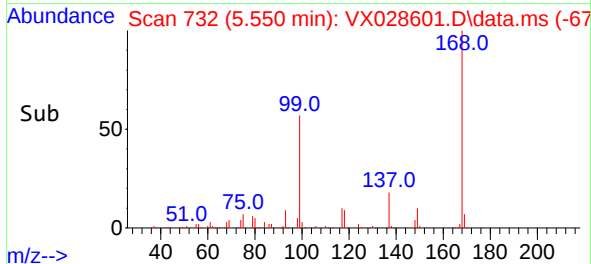
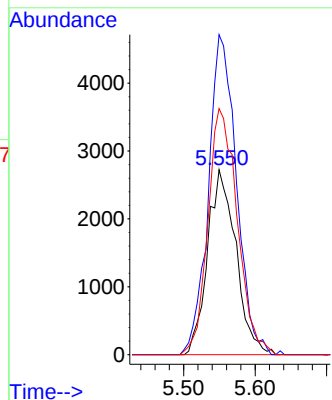
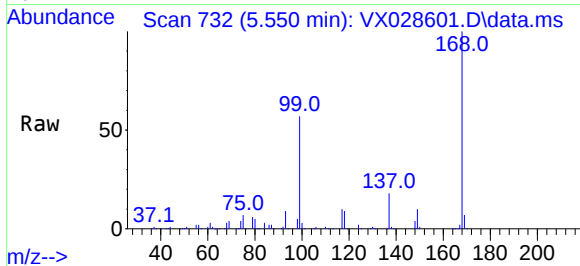




#31
Cyclohexane
Concen: 1.221 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

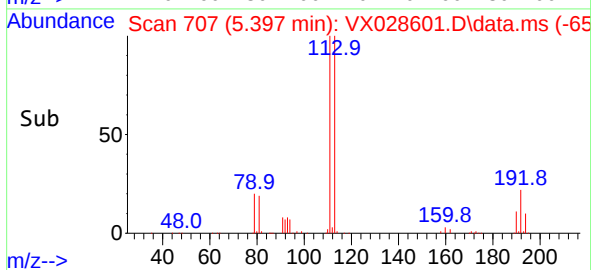
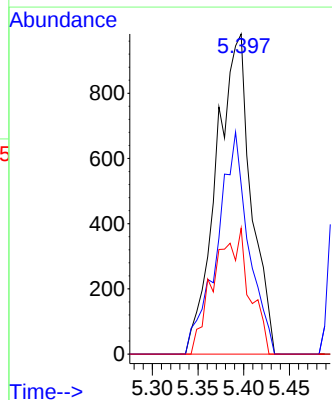
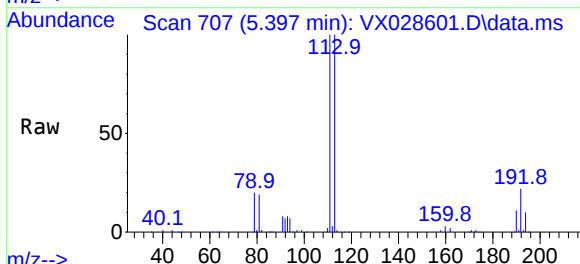
Instrument :
MSVOA_X
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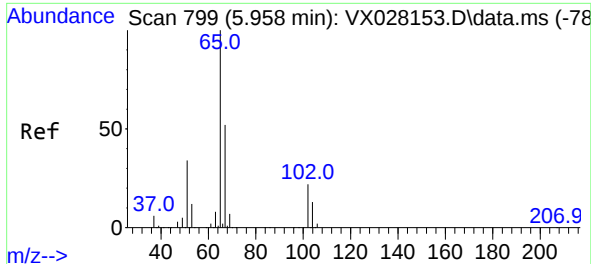
Tgt Ion: 56 Resp: 7521
Ion Ratio Lower Upper
56 100
69 173.0 26.7 40.1#
84 133.0 77.2 115.8#



#32
1,1,1-Trichloroethane
Concen: 0.357 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.012 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Tgt Ion: 97 Resp: 2609
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 39.9 34.0 51.0

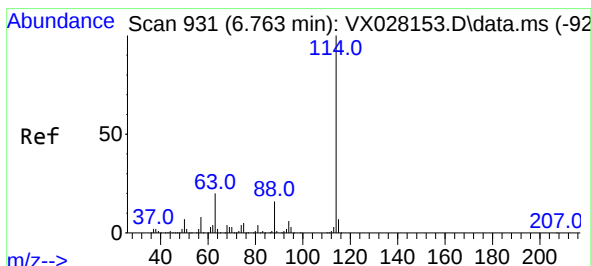
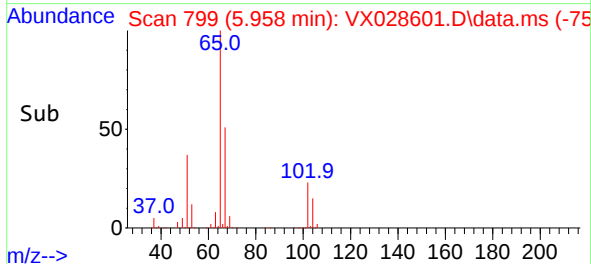
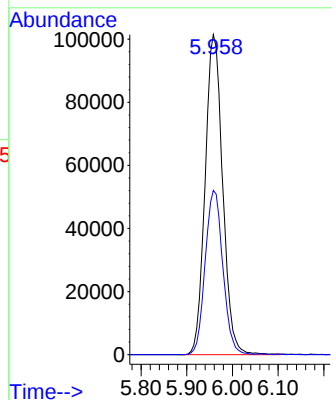
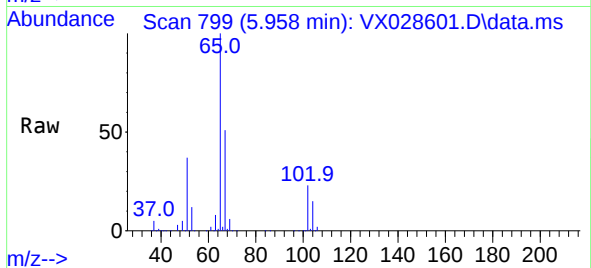




#33
1,2-Dichloroethane-d4
Concen: 53.483 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

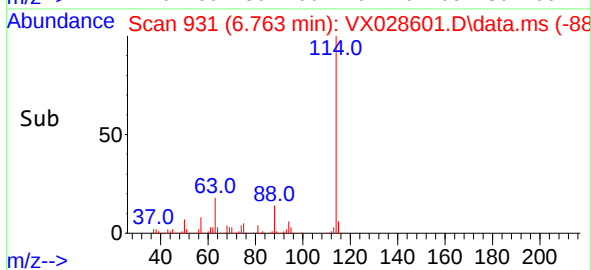
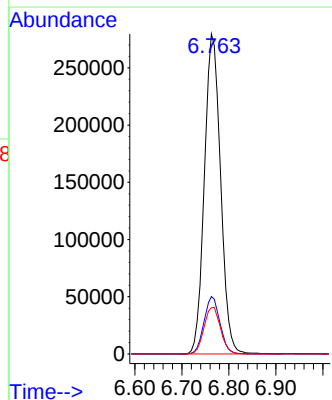
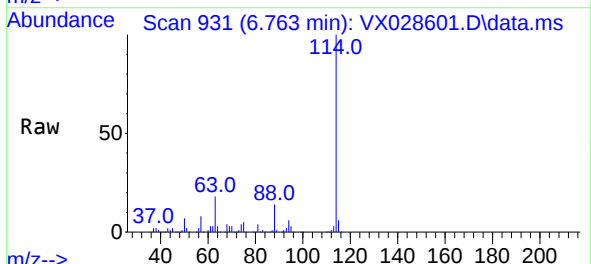
Instrument :
MSVOA_X
ClientSampleId :
TP-1

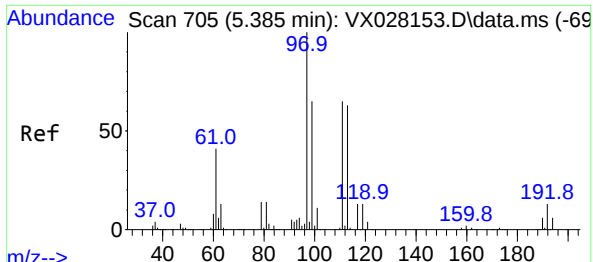
Tgt Ion: 65 Resp: 270484
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Tgt Ion: 114 Resp: 667681
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.8
88 14.4 0.0 32.4

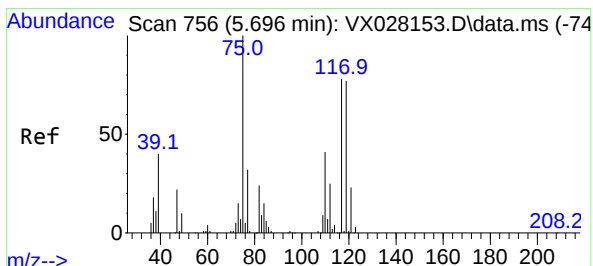
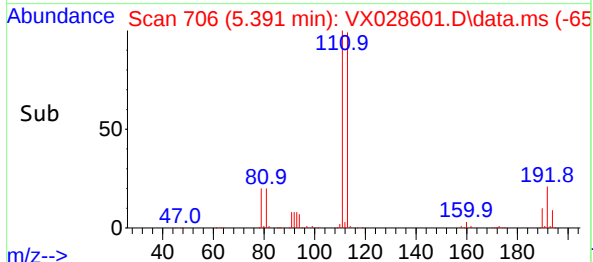
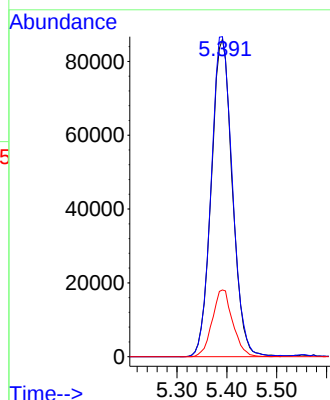
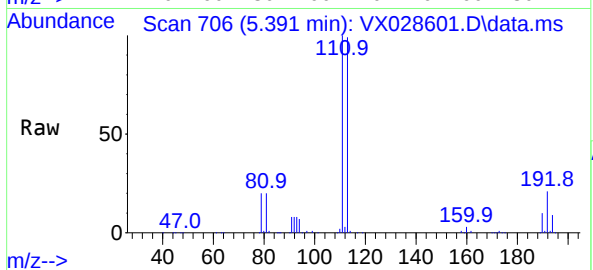




#35
Dibromofluoromethane
Concen: 53.759 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

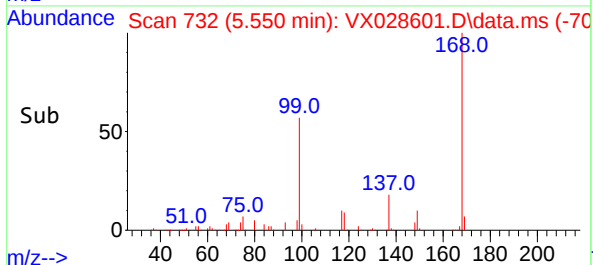
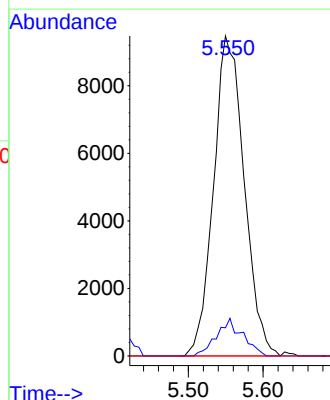
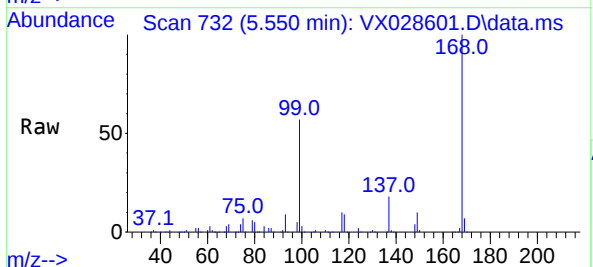
Instrument :
MSVOA_X
ClientSampleId :
TP-1

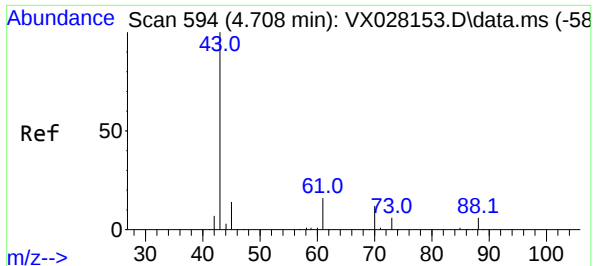
Tgt Ion:113 Resp: 251722
Ion Ratio Lower Upper
113 100
111 101.6 82.8 124.2
192 20.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.415 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Tgt Ion: 75 Resp: 26963
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.600 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.140 min

Lab File: VX028601.D

Acq: 10 May 2022 17:55

Instrument :

MSVOA_X

ClientSampleId :

TP-1

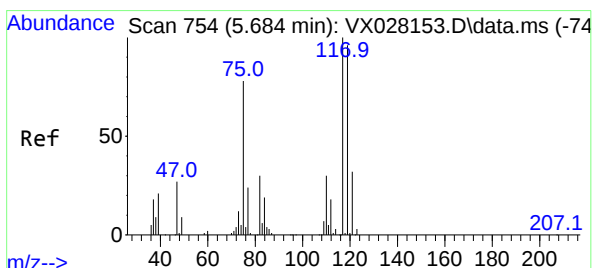
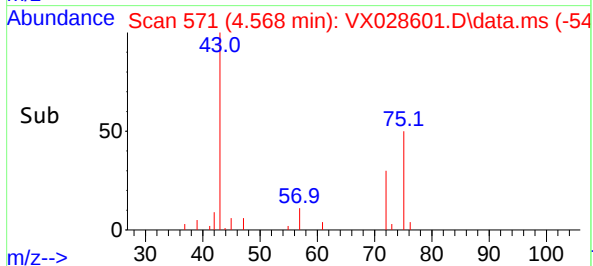
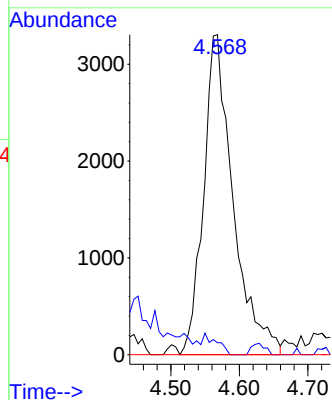
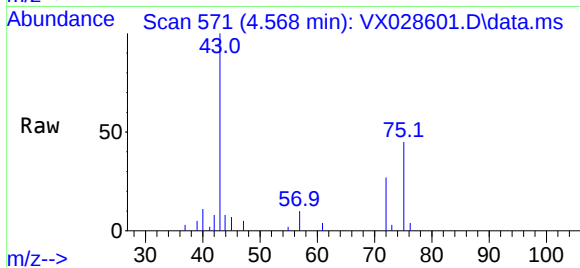
Tgt Ion: 43 Resp: 9915

Ion Ratio Lower Upper

43 100

61 3.0 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.531 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX028601.D

Acq: 10 May 2022 17:55

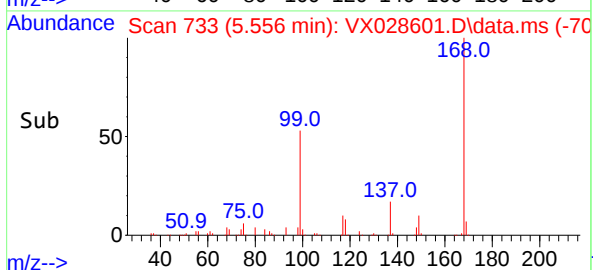
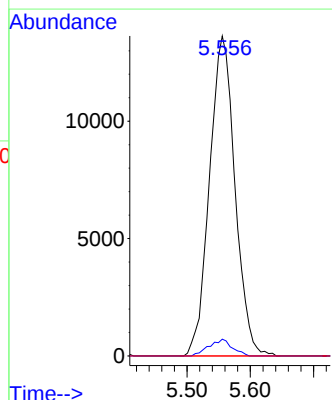
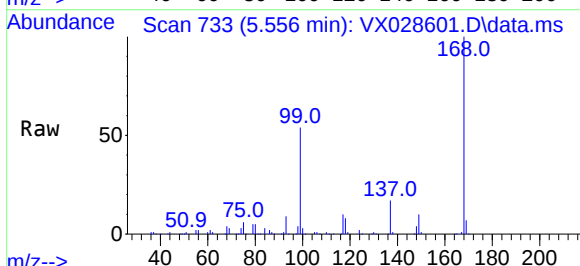
Tgt Ion: 117 Resp: 38134

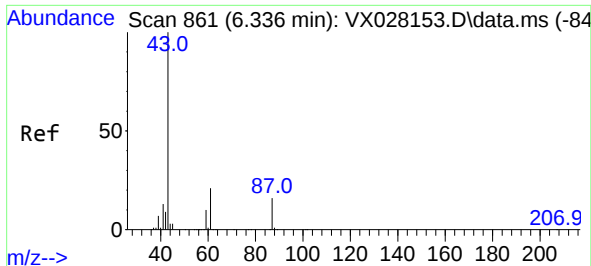
Ion Ratio Lower Upper

117 100

119 5.2 77.3 115.9#

121 0.0 24.2 36.2#

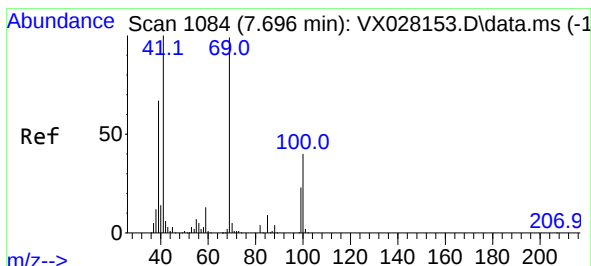
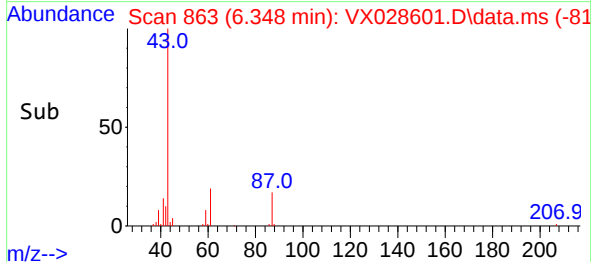
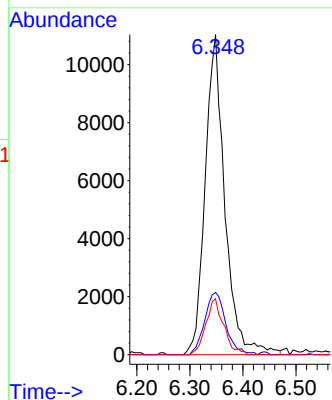
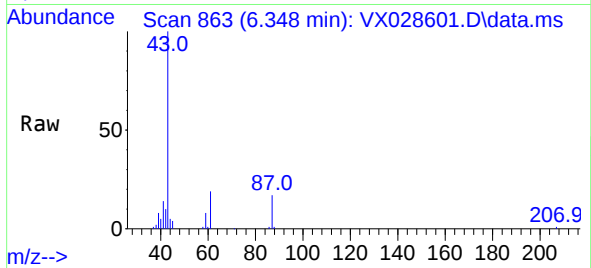




#43
Isopropyl Acetate
Concen: 2.815 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

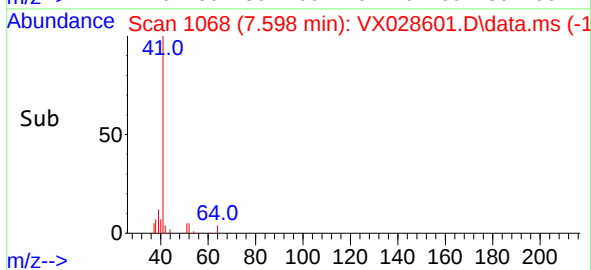
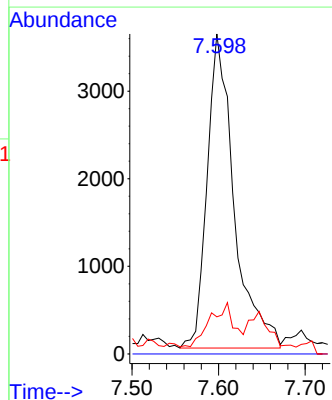
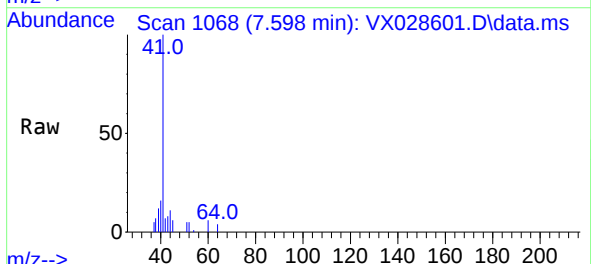
Instrument :
MSVOA_X
ClientSampleId :
TP-1

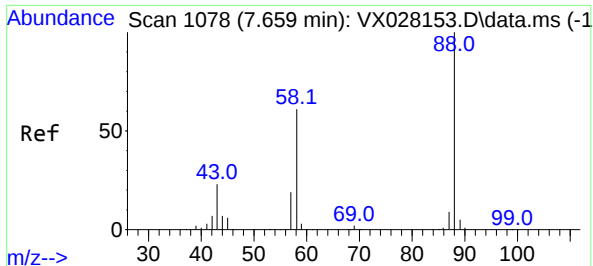
Tgt Ion: 43 Resp: 28395
Ion Ratio Lower Upper
43 100
61 20.9 18.5 27.7
87 15.9 13.0 19.6



#48
Methyl methacrylate
Concen: 1.679 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Tgt Ion: 41 Resp: 7774
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#

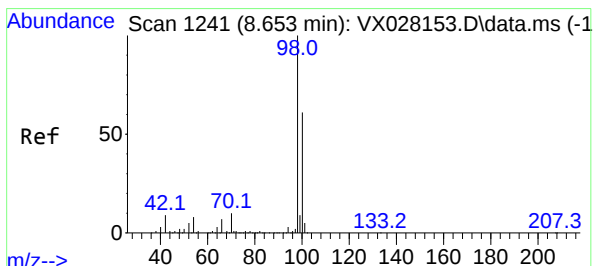
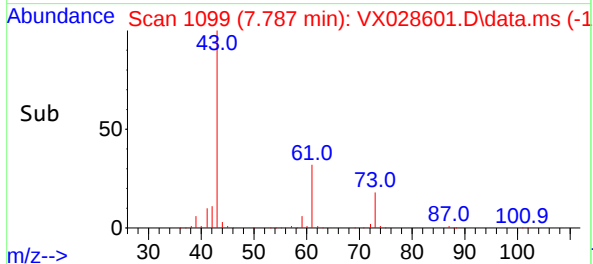
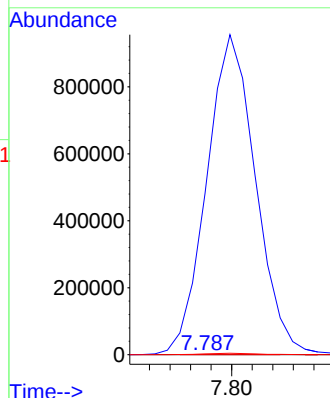
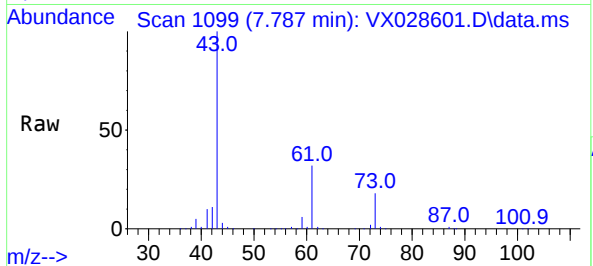




#49
1,4-Dioxane
Concen: 2.292 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.128 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

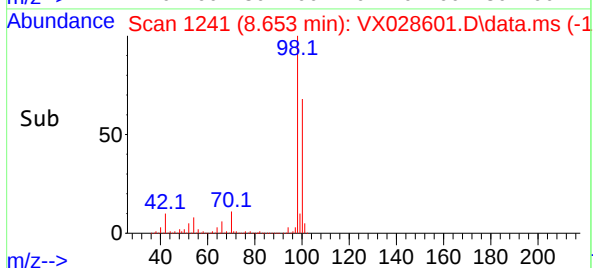
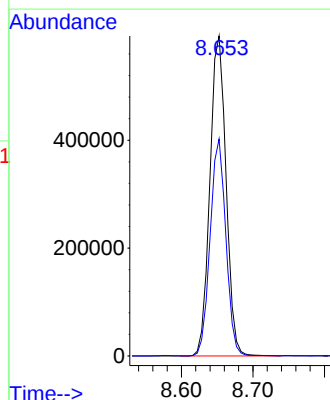
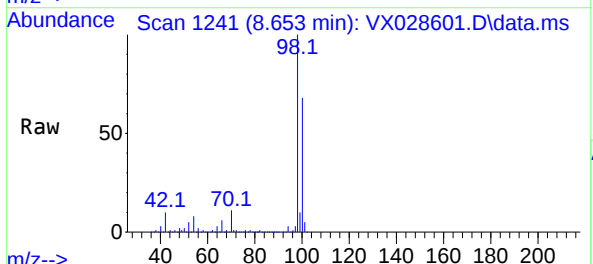
Instrument :
MSVOA_X
ClientSampleId :
TP-1

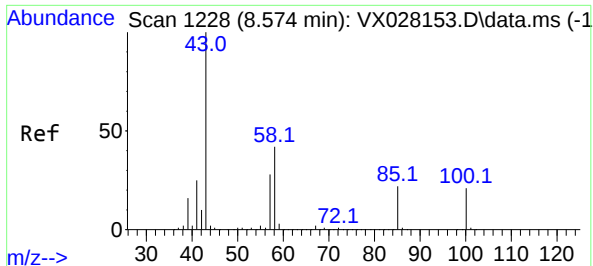
Tgt Ion: 88 Resp: 284
Ion Ratio Lower Upper
88 100
43 560644.7 21.9 32.9#
58 2633.5 53.7 80.5#



#50
Toluene-d8
Concen: 51.709 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Tgt Ion: 98 Resp: 929941
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.220 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028601.D

Acq: 10 May 2022 17:55

Instrument :

MSVOA_X

ClientSampleId :

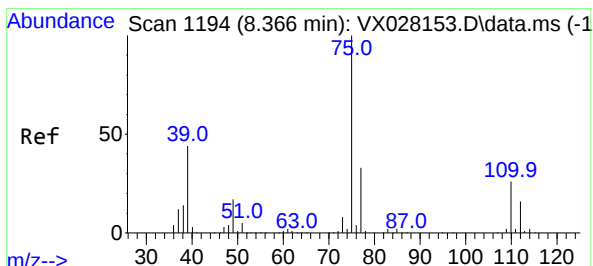
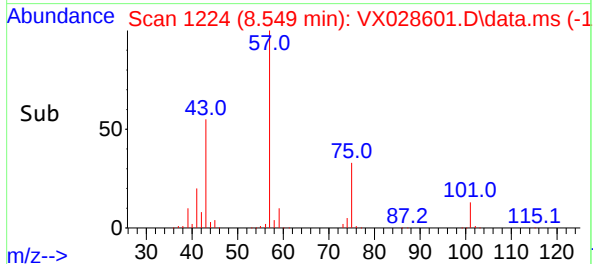
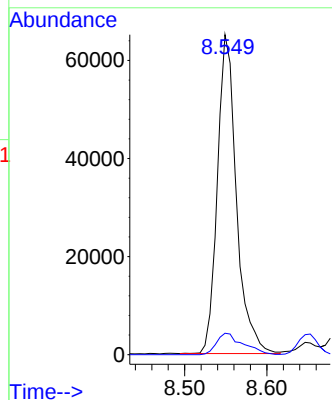
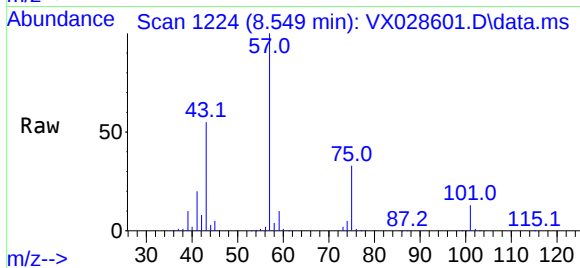
TP-1

Tgt Ion: 43 Resp: 104987

Ion Ratio Lower Upper

43 100

58 9.3 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.470 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028601.D

Acq: 10 May 2022 17:55

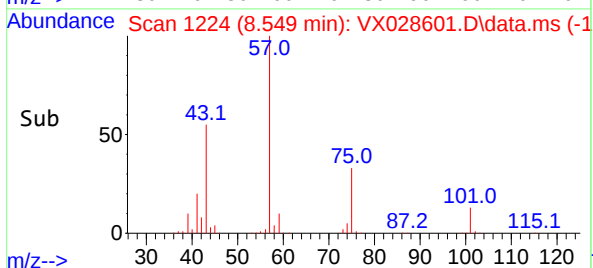
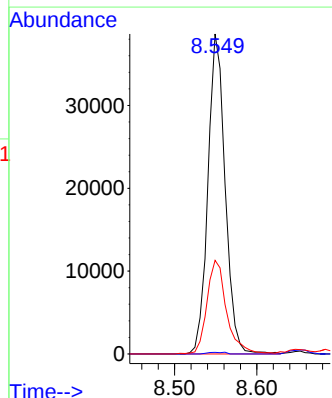
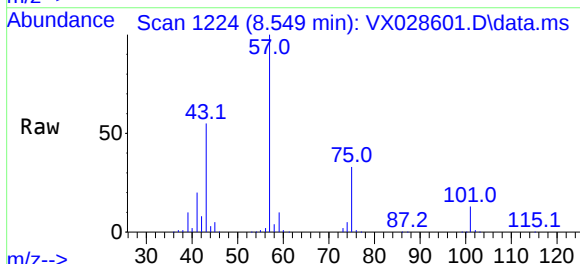
Tgt Ion: 75 Resp: 56251

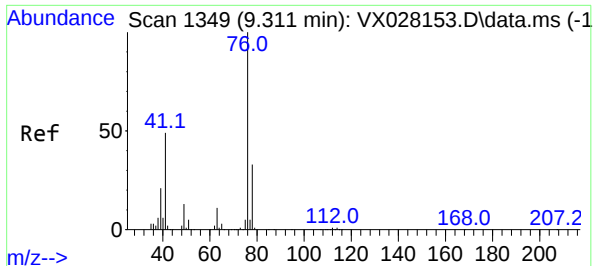
Ion Ratio Lower Upper

75 100

77 0.5 24.8 37.2#

39 29.1 29.6 44.4#

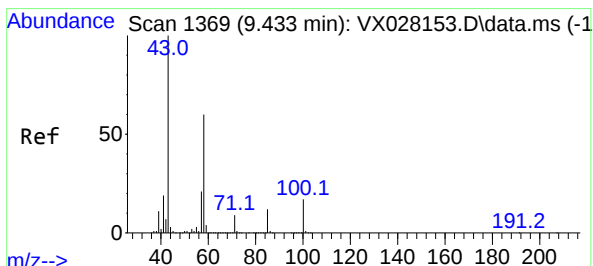
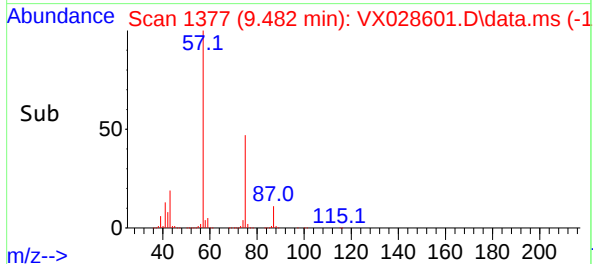
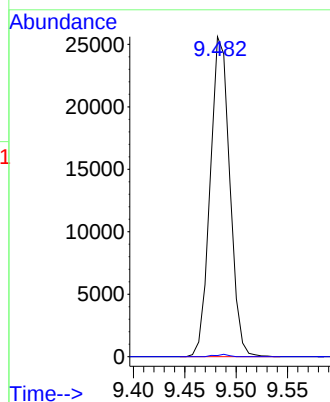
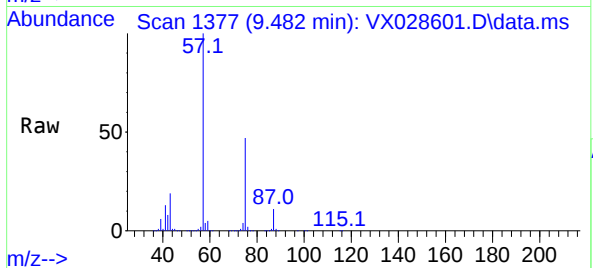




#57
1,3-Dichloropropane
Concen: 4.180 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

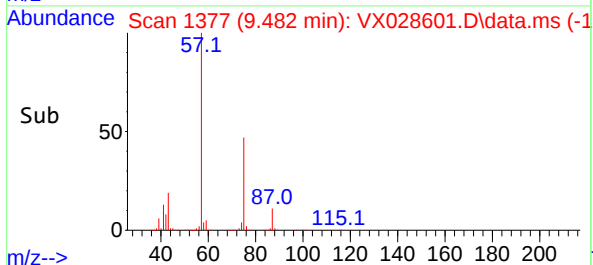
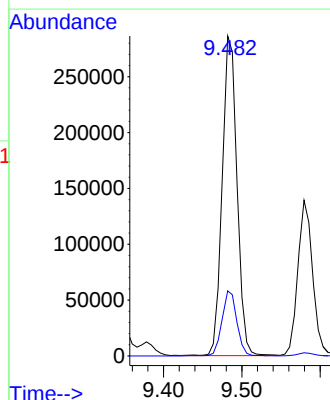
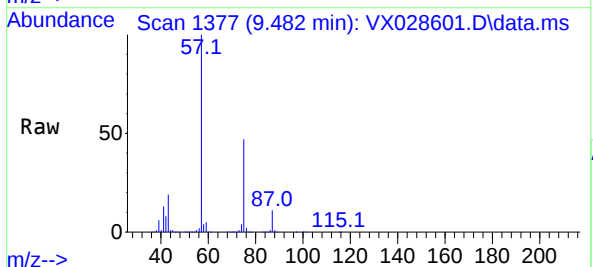
Instrument :
MSVOA_X
ClientSampleId :
TP-1

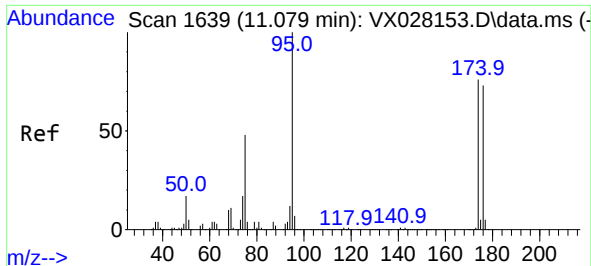
Tgt Ion: 76 Resp: 34045
Ion Ratio Lower Upper
76 100
78 0.5 25.8 38.8#



#59
2-Hexanone
Concen: 75.171 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Tgt Ion: 43 Resp: 376890
Ion Ratio Lower Upper
43 100
58 20.6 31.9 95.7#

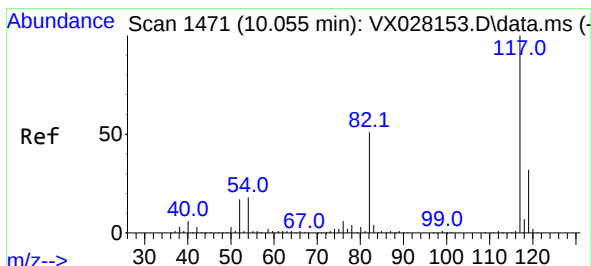
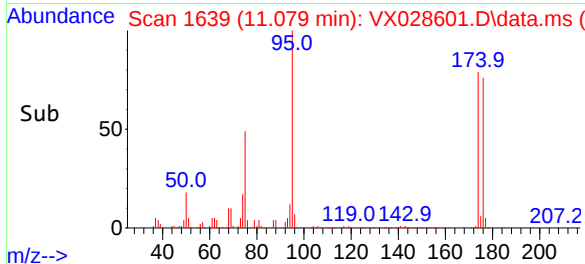
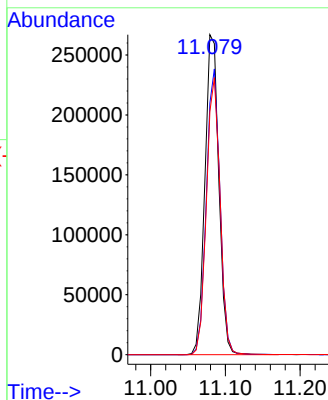
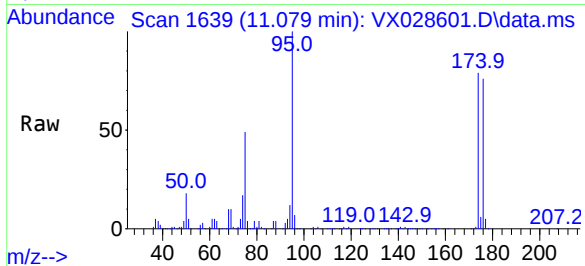




#62
4-Bromofluorobenzene
Concen: 50.356 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

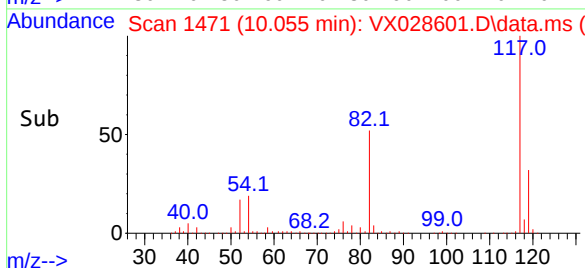
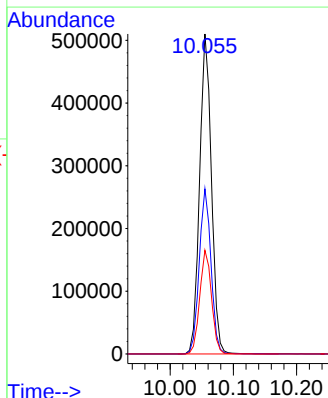
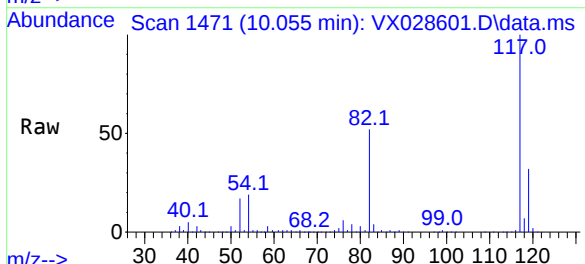
Instrument :
MSVOA_X
ClientSampleId :
TP-1

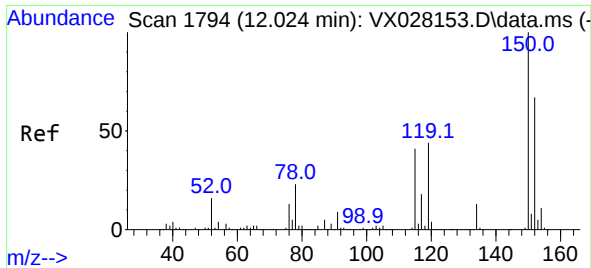
Tgt Ion: 95 Resp: 346266
Ion Ratio Lower Upper
95 100
174 87.0 0.0 163.0
176 84.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Tgt Ion: 117 Resp: 664509
Ion Ratio Lower Upper
117 100
82 51.6 41.8 62.8
119 32.4 24.8 37.2

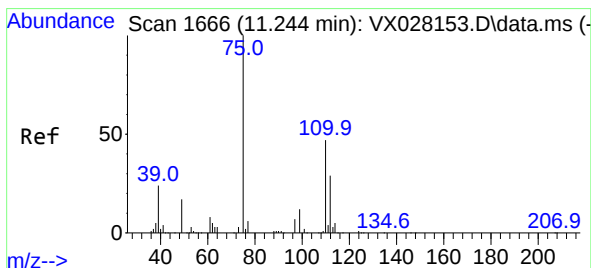
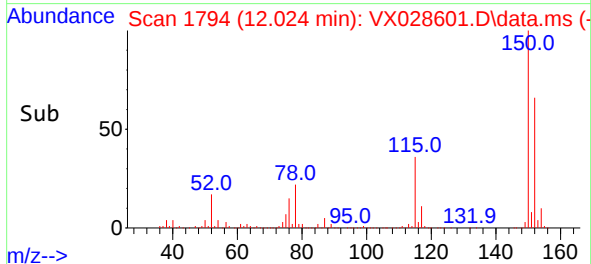
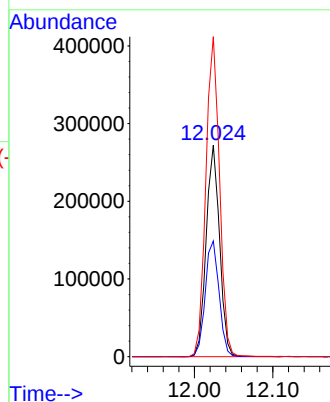
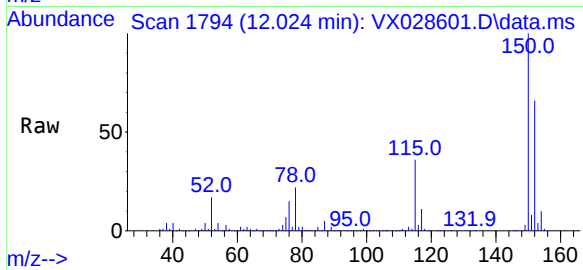




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

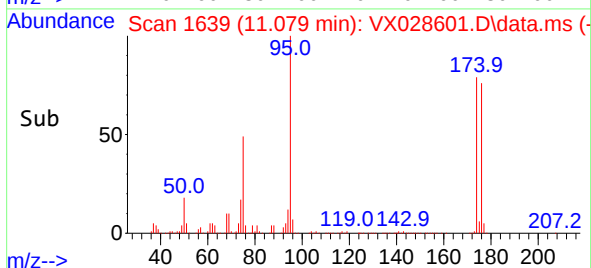
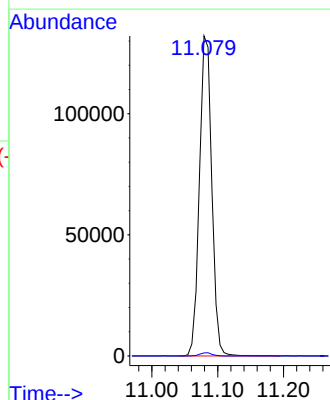
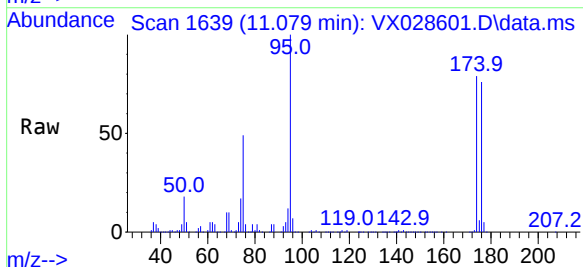
Instrument :
MSVOA_X
ClientSampleId :
TP-1

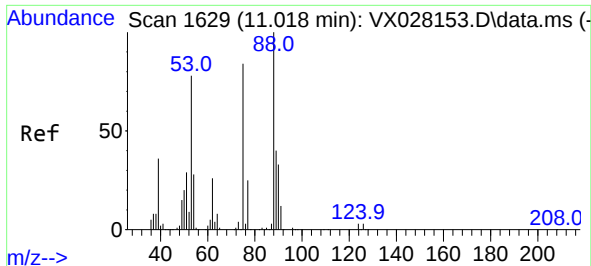
Tgt Ion:152 Resp: 323208
Ion Ratio Lower Upper
152 100
115 56.5 37.5 112.7
150 154.1 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 27.106 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Tgt Ion: 75 Resp: 172417
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#

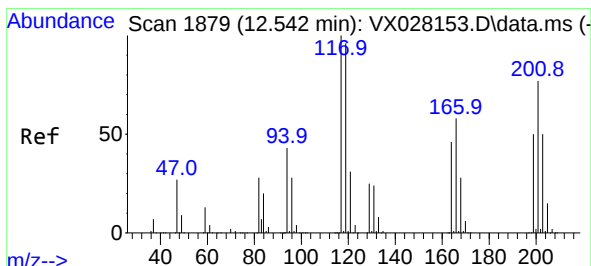
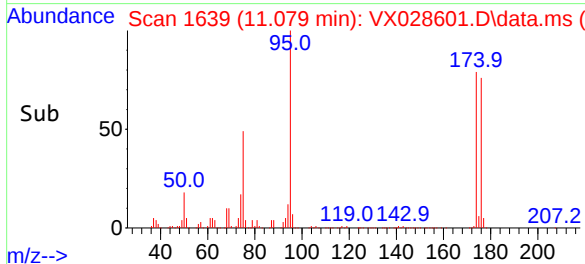
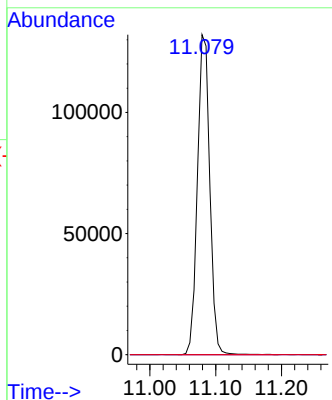
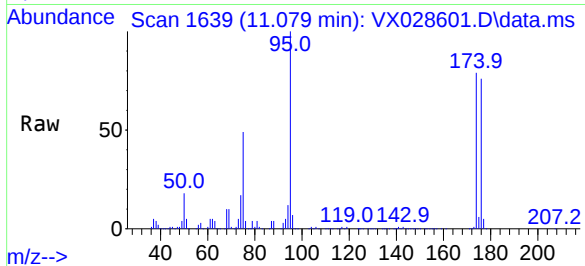




#81
trans-1,4-Dichloro-2-butene
Concen: 80.551 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

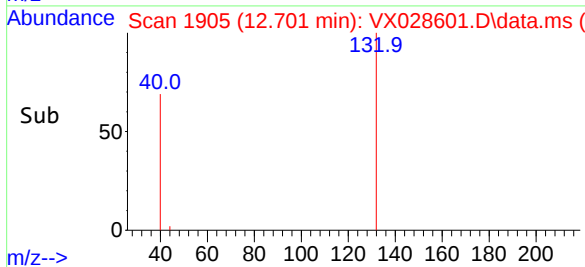
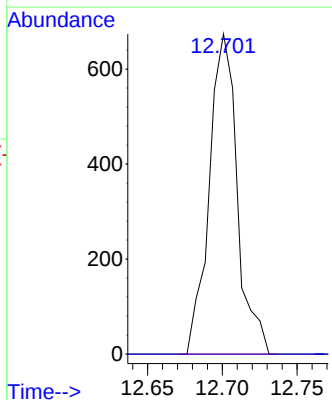
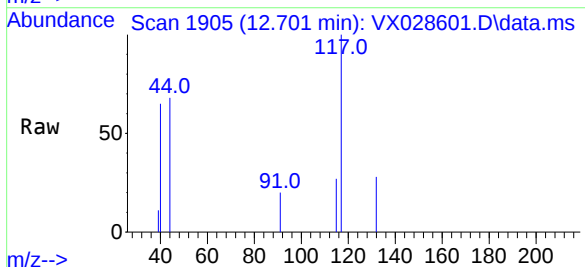
Instrument :
MSVOA_X
ClientSampleId :
TP-1

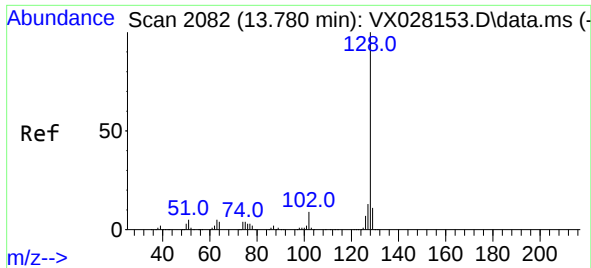
Tgt Ion: 75 Resp: 172417
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 2.048 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

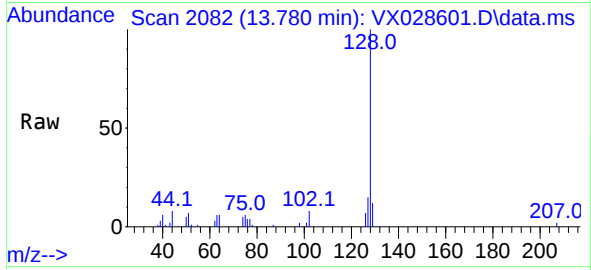
Tgt Ion: 117 Resp: 878
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#





#95
Naphthalene
Concen: 0.362 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX028601.D
Acq: 10 May 2022 17:55

Instrument :
MSVOA_X
ClientSampleId :
TP-1



Tgt Ion:128 Resp: 7744

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	13.0	8.7	13.1

