

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
 Data File : VX028792.D
 Acq On : 18 May 2022 05:19
 Operator : JC/MD
 Sample : N2858-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-38

Quant Time: May 18 07:17:08 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)

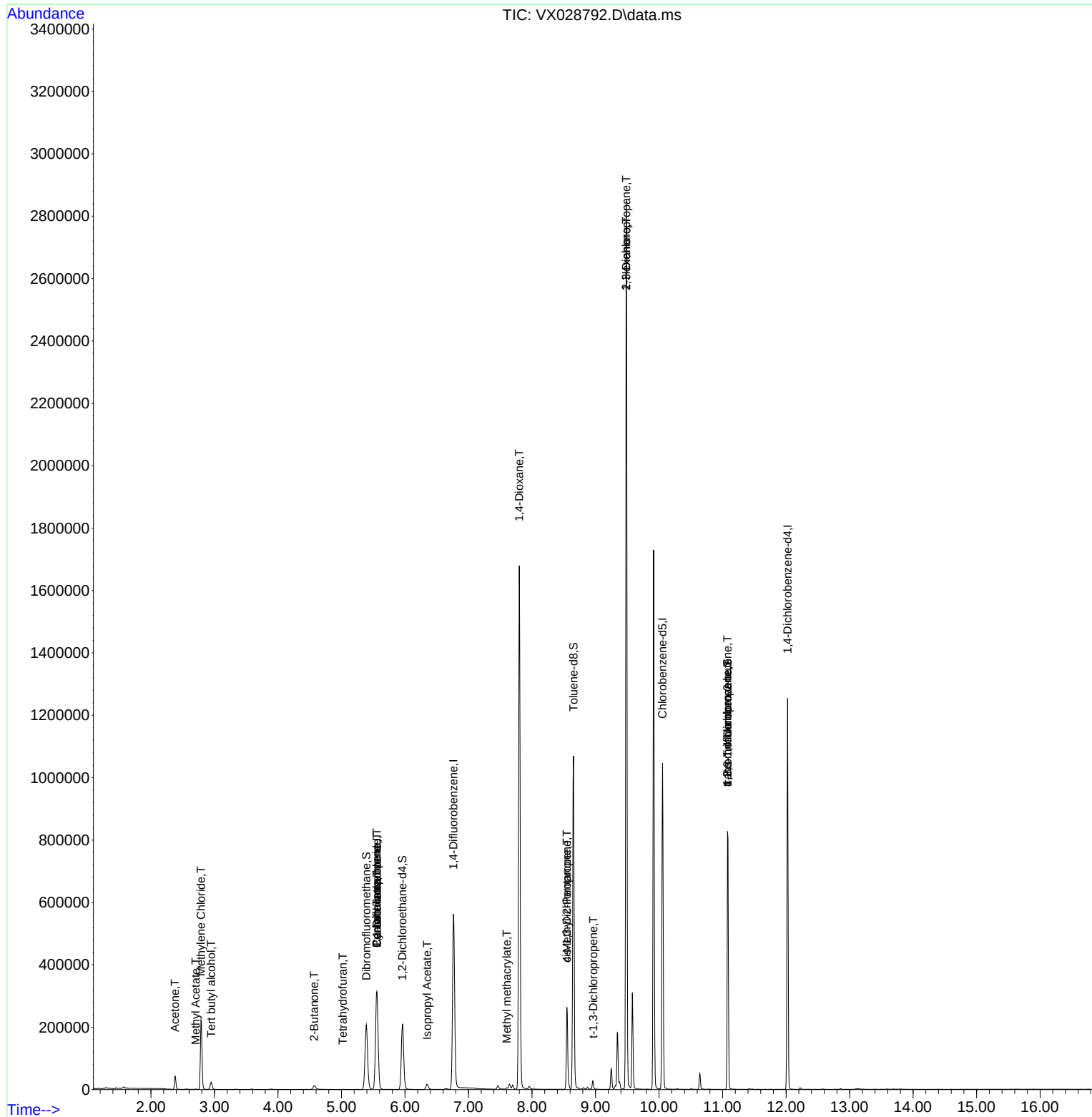
Internal Standards						
1) Pentafluorobenzene	5.555	168	290914	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	562771	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	456433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	235189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	206183	51.704	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.400%	
35) Dibromofluoromethane	5.391	113	175819	47.684	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.360%	
50) Toluene-d8	8.652	98	623545	44.855	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 89.700%	
62) 4-Bromofluorobenzene	11.079	95	218890	42.157	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 84.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	460	Below Cal		81
6) Chloroethane	1.672	64	761	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	12992	7.616	ug/l	# 75
16) Acetone	2.379	43	44471	25.984	ug/l	92
18) Methyl Acetate	2.702	43	1732	0.404	ug/l	# 83
20) Methylene Chloride	2.788	84	99558	27.728	ug/l	91
25) 2-Butanone	4.568	43	9978	3.714	ug/l	# 82
29) Tetrahydrofuran	5.019	42	383	0.219	ug/l	# 60
31) Cyclohexane	5.555	56	6785	1.226	ug/l	# 23
36) 1,1-Dichloropropene	5.555	75	24178	4.366	ug/l	# 50
38) Carbon Tetrachloride	5.555	117	30815	5.529	ug/l	# 14
43) Isopropyl Acetate	6.348	43	23472	2.594	ug/l	96
48) Methyl methacrylate	7.604	41	7131	1.631	ug/l	# 7
49) 1,4-Dioxane	7.799	88	309	2.829	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	88976	14.927	ug/l	# 45
53) t-1,3-Dichloropropene	8.963	75	113	1.658	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	42640	6.883	ug/l	# 70
57) 1,3-Dichloropropane	9.482	76	26160	3.715	ug/l	# 43
59) 2-Hexanone	9.482	43	332334	71.761	ug/l	# 43
76) 1,2,3-Trichloropropane	11.079	75	116652	21.179	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	116652	62.162	ug/l	# 15

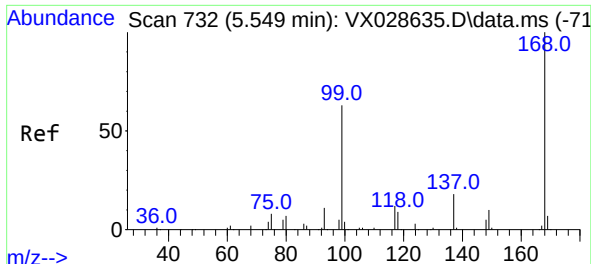
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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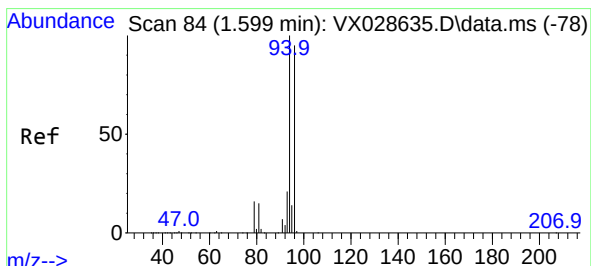
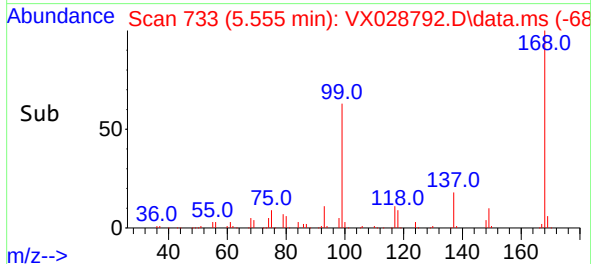
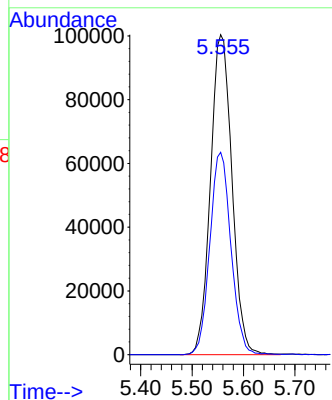
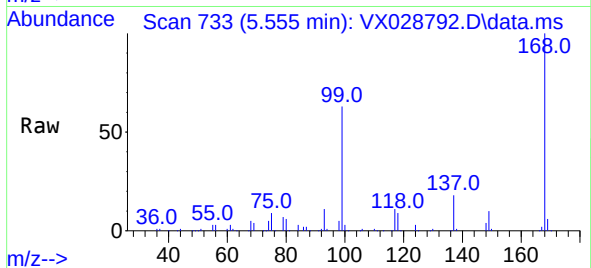




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

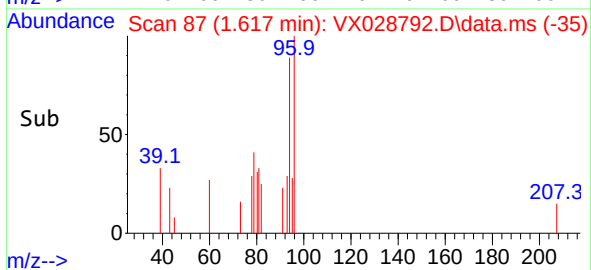
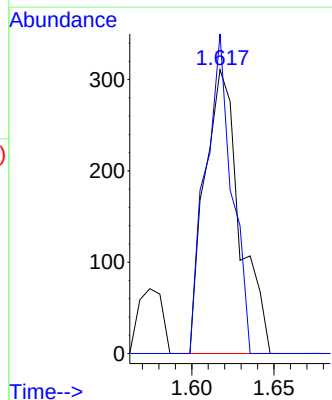
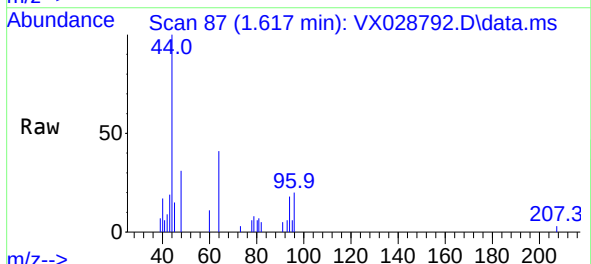
Instrument :
MSVOA_X
ClientSampleId :
TP-38

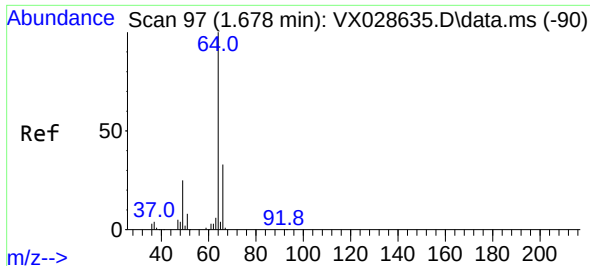
Tgt Ion:168 Resp: 290914
Ion Ratio Lower Upper
168 100
99 63.3 41.7 62.5#



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

Tgt Ion: 94 Resp: 460
Ion Ratio Lower Upper
94 100
96 112.5 75.3 112.9

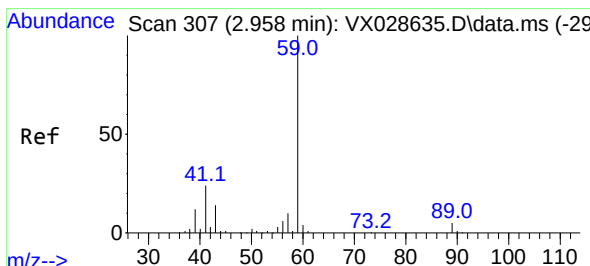
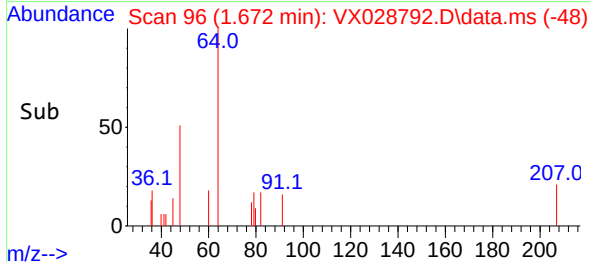
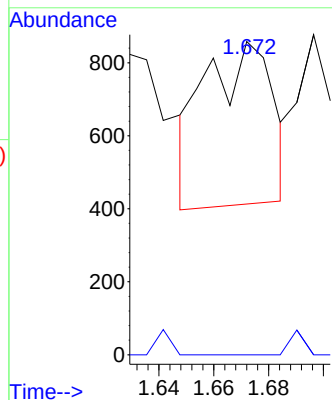
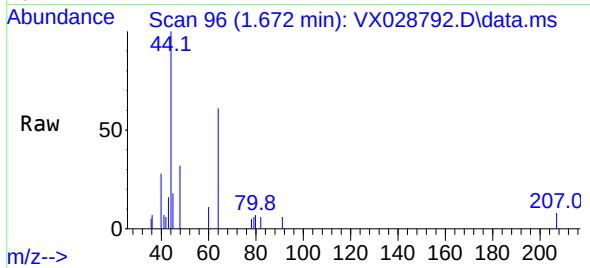




#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 90
Delta R.T. -0.006 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

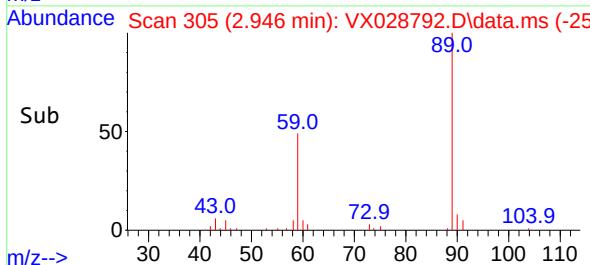
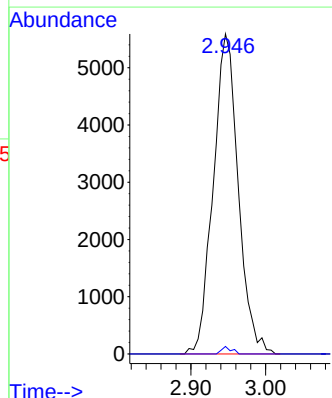
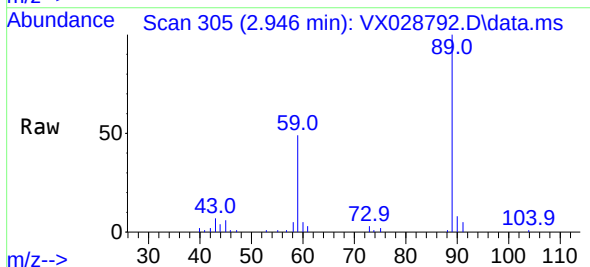
Instrument :
MSVOA_X
ClientSampleId :
TP-38

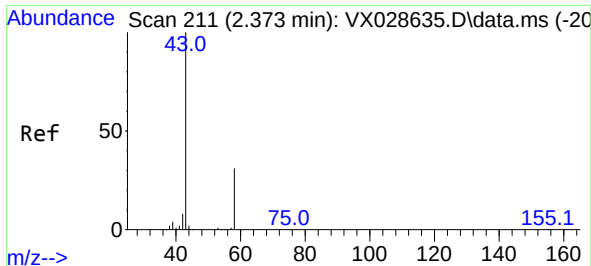
Tgt Ion: 64 Resp: 761
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 7.616 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

Tgt Ion: 59 Resp: 12992
Ion Ratio Lower Upper
59 100
57 0.9 8.3 12.5#

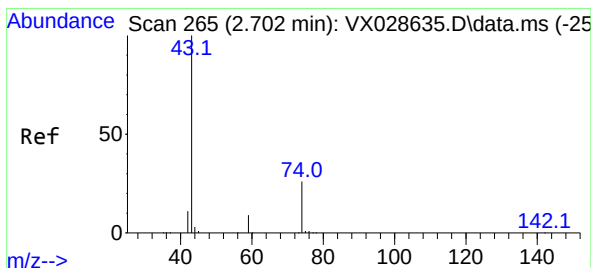
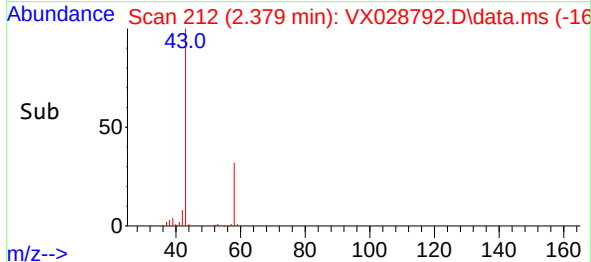
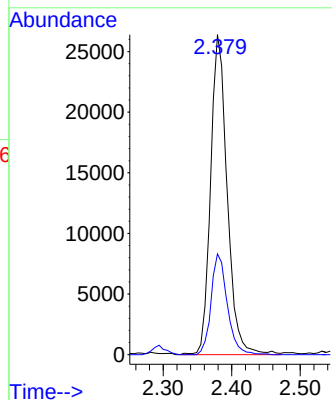
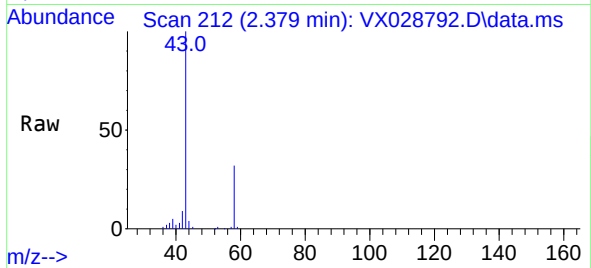




#16
Acetone
Concen: 25.984 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

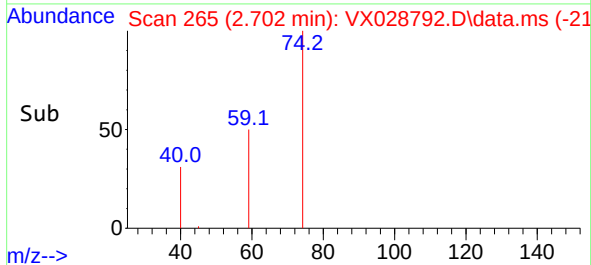
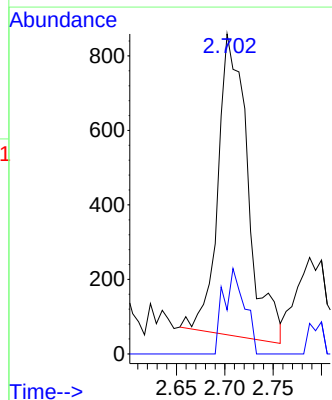
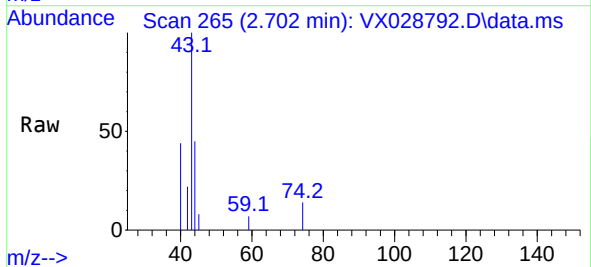
Instrument :
MSVOA_X
ClientSampleId :
TP-38

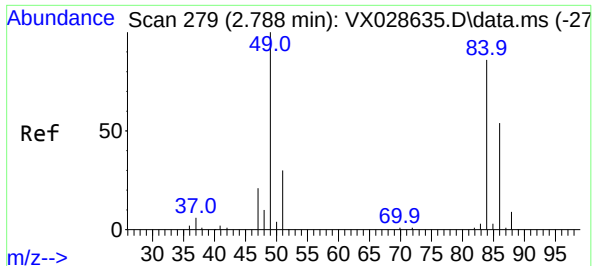
Tgt Ion: 43 Resp: 44471
Ion Ratio Lower Upper
43 100
58 31.5 28.8 43.2



#18
Methyl Acetate
Concen: 0.404 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

Tgt Ion: 43 Resp: 1732
Ion Ratio Lower Upper
43 100
74 19.7 22.8 34.2#

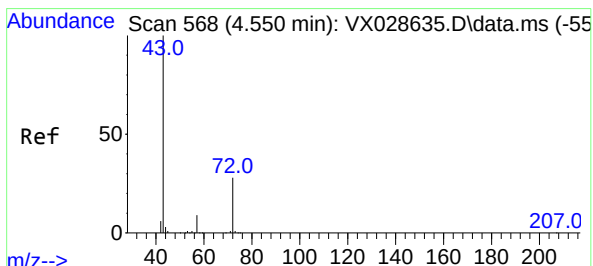
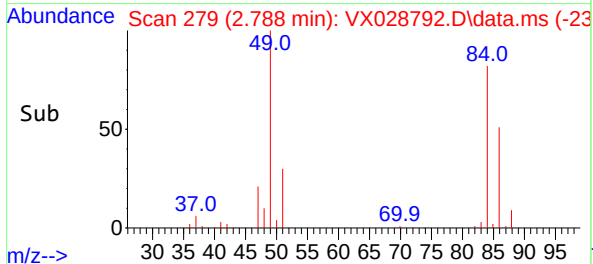
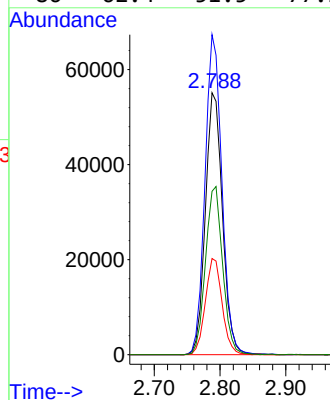
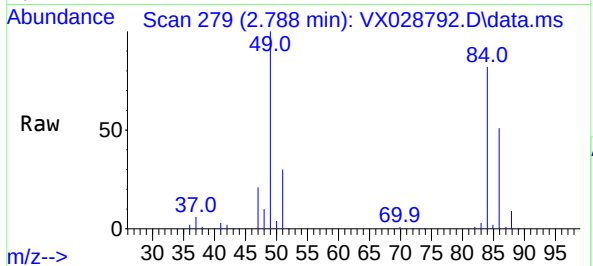




#20
Methylene Chloride
Concen: 27.728 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

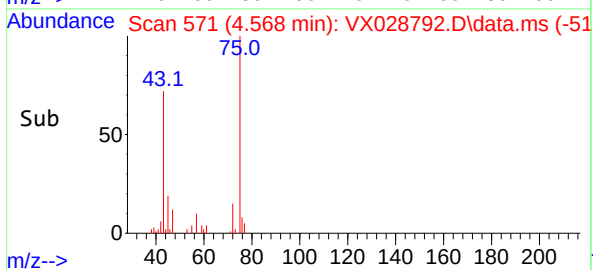
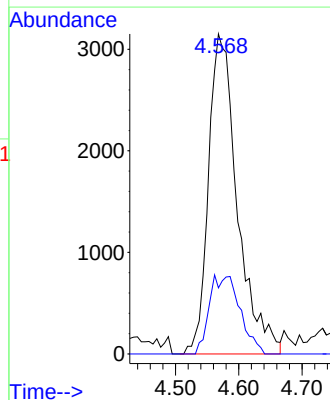
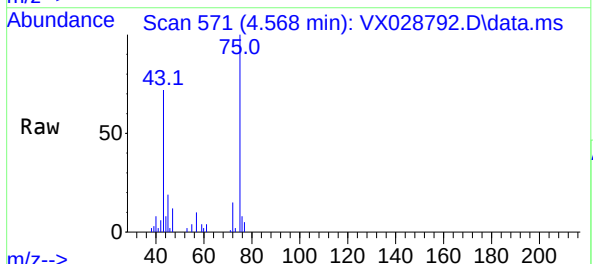
Instrument :
MSVOA_X
ClientSampleId :
TP-38

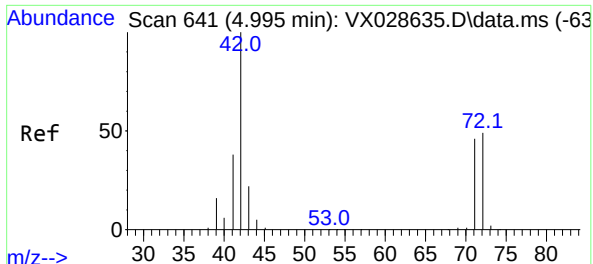
Tgt Ion:	84	Resp:	99558
Ion	Ratio	Lower	Upper
84	100		
49	122.2	85.5	128.3
51	36.7	26.6	39.8
86	62.4	51.5	77.3



#25
2-Butanone
Concen: 3.714 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

Tgt Ion:	43	Resp:	9978
Ion	Ratio	Lower	Upper
43	100		
72	20.7	24.4	36.6#





#29

Tetrahydrofuran

Concen: 0.219 ug/l

RT: 5.019 min Scan# 641

Delta R.T. 0.024 min

Lab File: VX028792.D

Acq: 18 May 2022 05:19

Instrument :

MSVOA_X

ClientSampleId :

TP-38

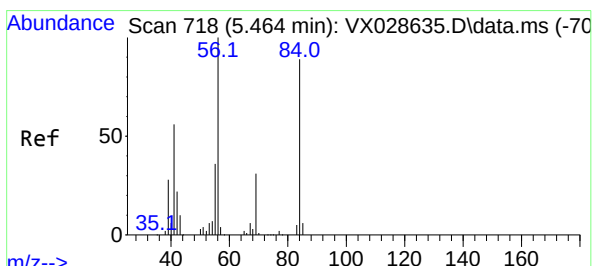
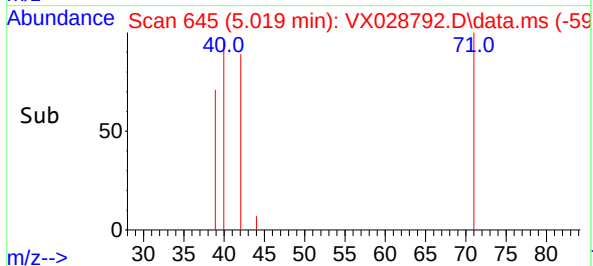
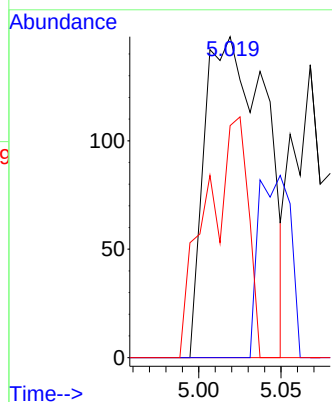
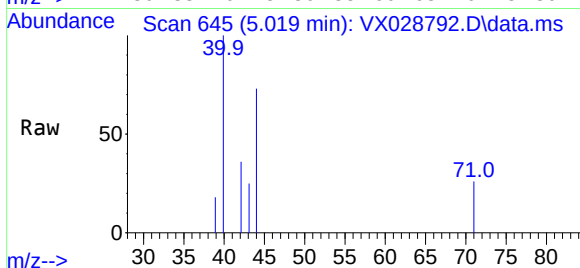
Tgt Ion: 42 Resp: 383

Ion Ratio Lower Upper

42 100

72 0.0 44.1 66.1#

71 50.4 40.5 60.7



#31

Cyclohexane

Concen: 1.226 ug/l

RT: 5.555 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX028792.D

Acq: 18 May 2022 05:19

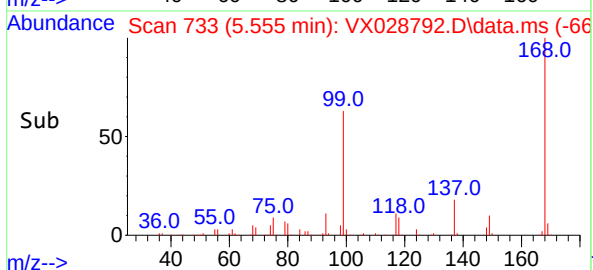
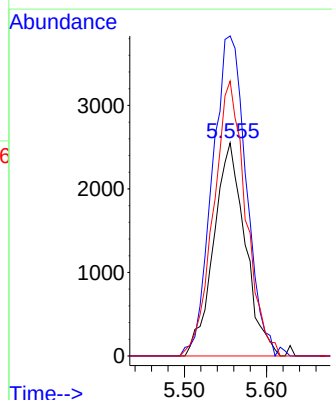
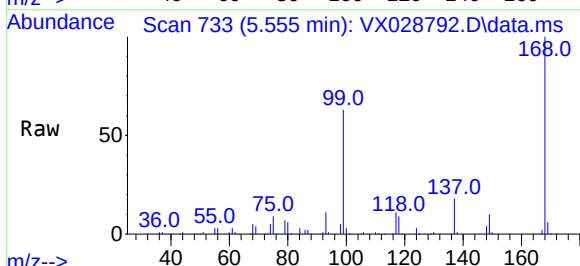
Tgt Ion: 56 Resp: 6785

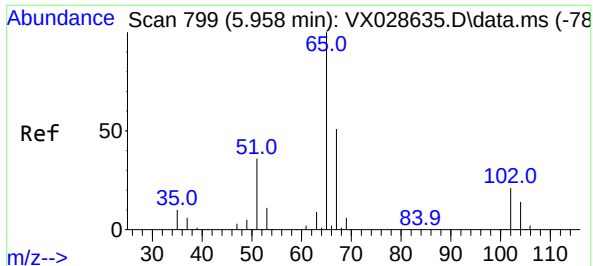
Ion Ratio Lower Upper

56 100

69 150.1 26.7 40.1#

84 128.9 77.2 115.8#

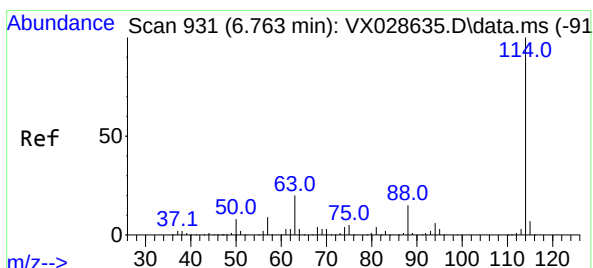
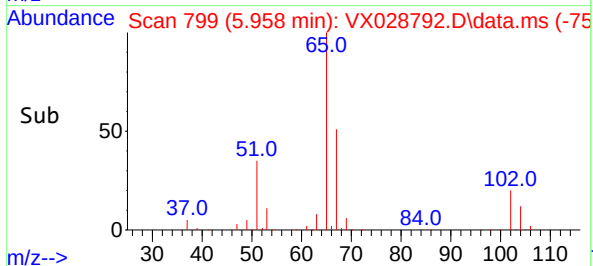
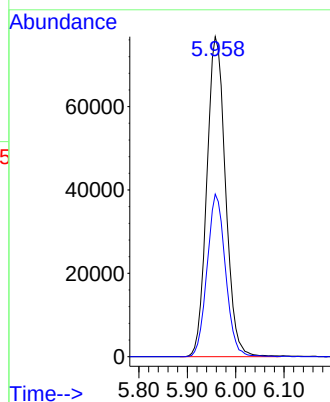
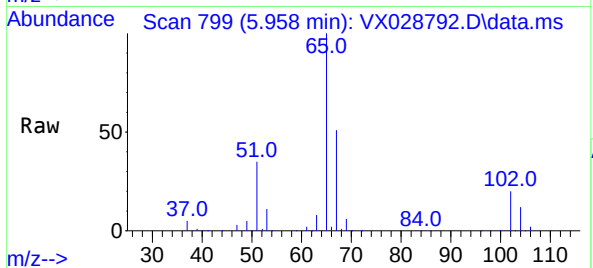




#33
1,2-Dichloroethane-d4
Concen: 51.704 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

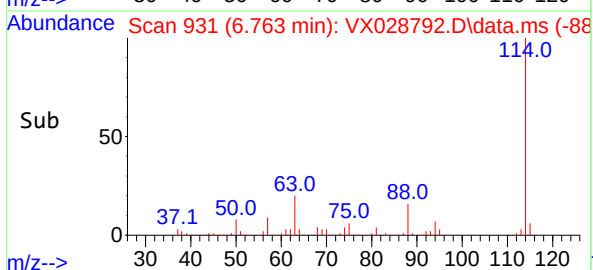
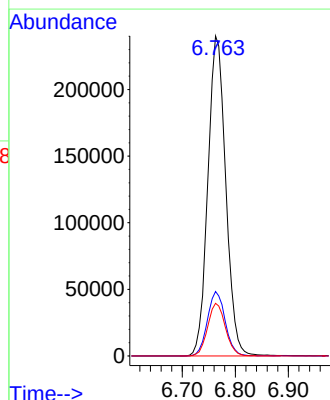
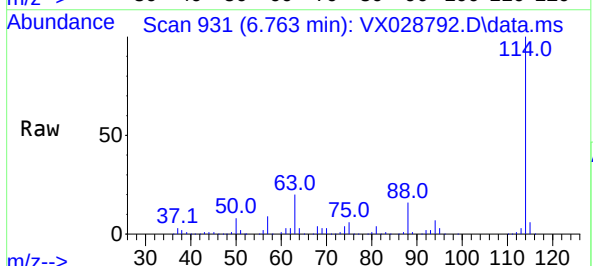
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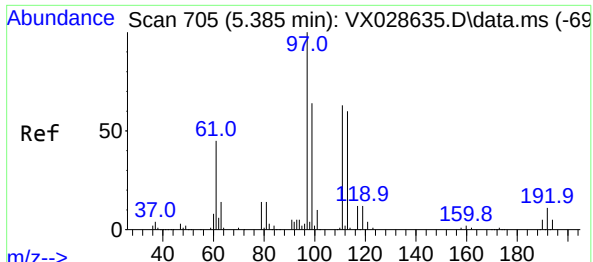
Tgt Ion: 65 Resp: 206183
Ion Ratio Lower Upper
65 100
67 50.1 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

Tgt Ion: 114 Resp: 562771
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.8
88 16.4 0.0 32.4

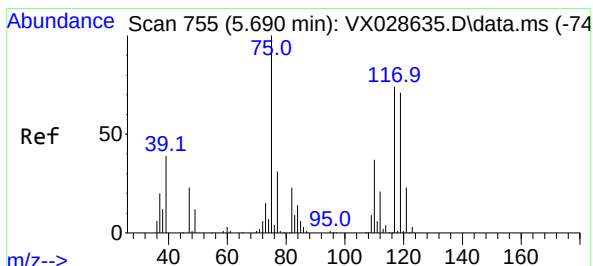
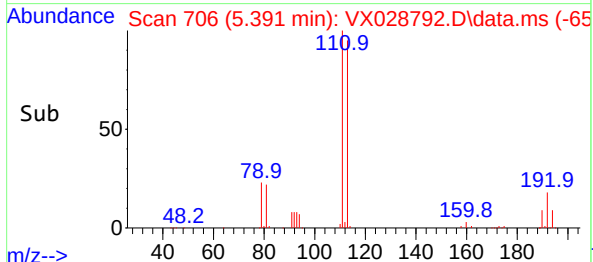
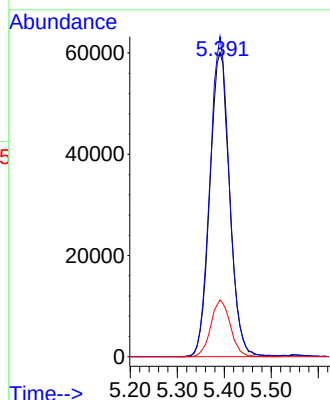
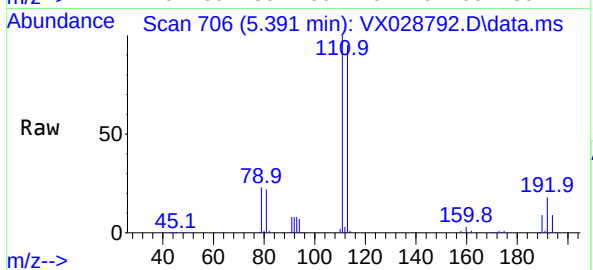




#35
Dibromofluoromethane
Concen: 47.684 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

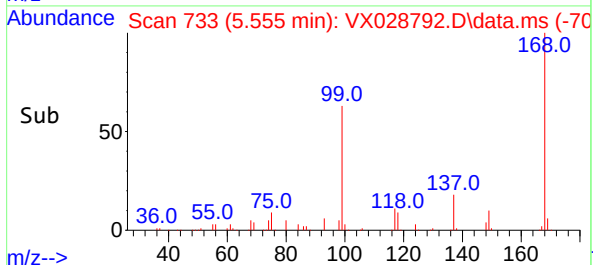
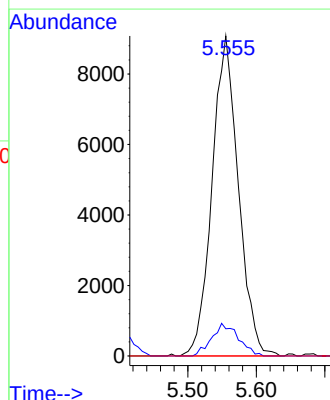
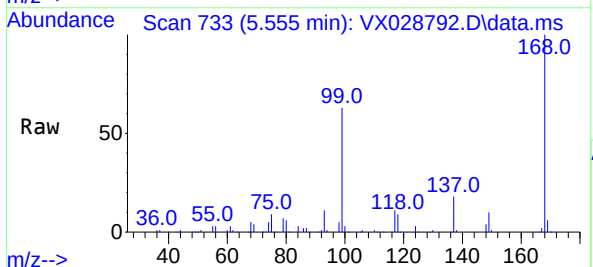
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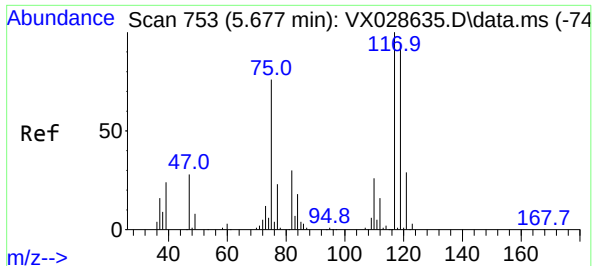
Tgt Ion:113 Resp: 175819
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 18.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.366 ug/l
RT: 5.555 min Scan# 733
Delta R.T. -0.135 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

Tgt Ion: 75 Resp: 24178
Ion Ratio Lower Upper
75 100
110 10.3 18.3 54.8#
77 0.0 24.8 37.2#

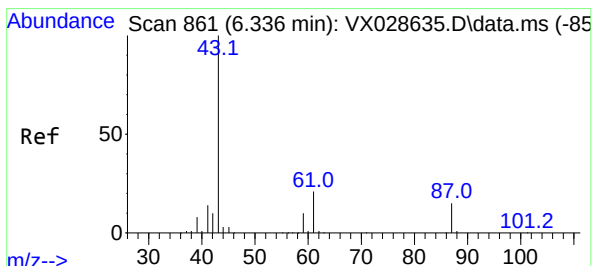
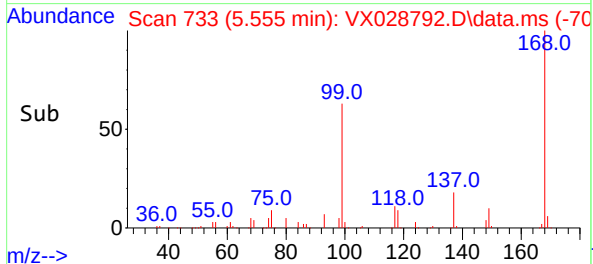
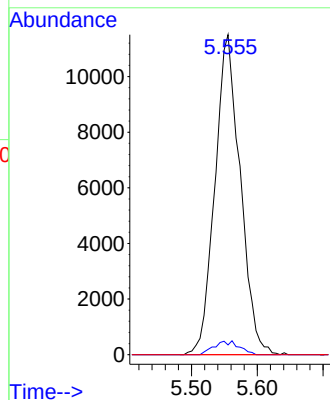
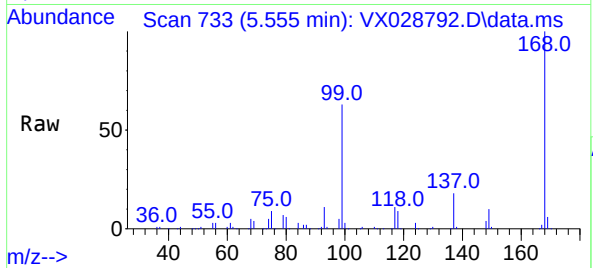




#38
Carbon Tetrachloride
Concen: 5.529 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

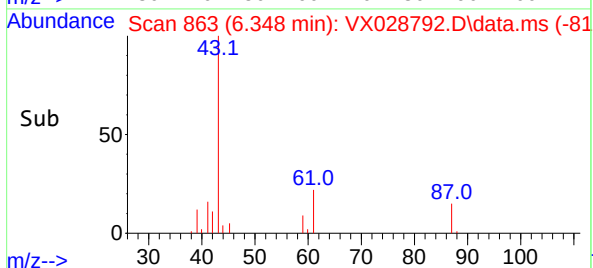
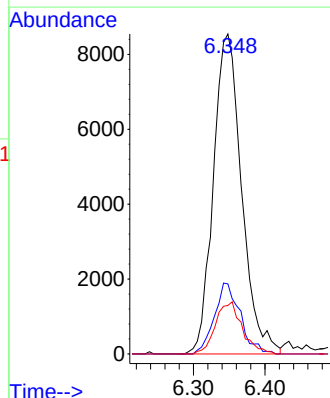
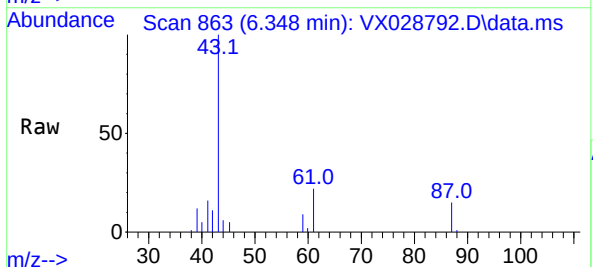
Instrument :
MSVOA_X
ClientSampleId :
TP-38

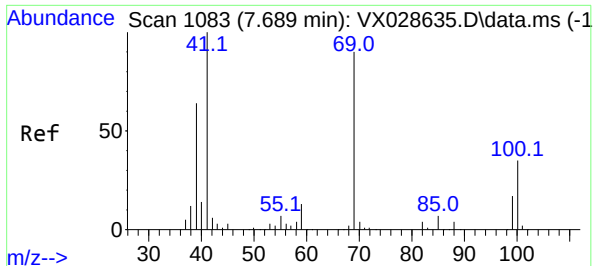
Tgt Ion:117 Resp: 30815
Ion Ratio Lower Upper
117 100
119 3.1 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.594 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

Tgt Ion: 43 Resp: 23472
Ion Ratio Lower Upper
43 100
61 20.3 18.5 27.7
87 15.3 13.0 19.6

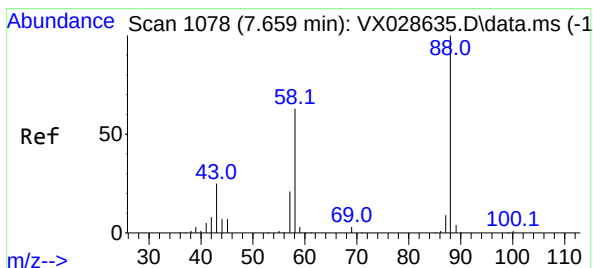
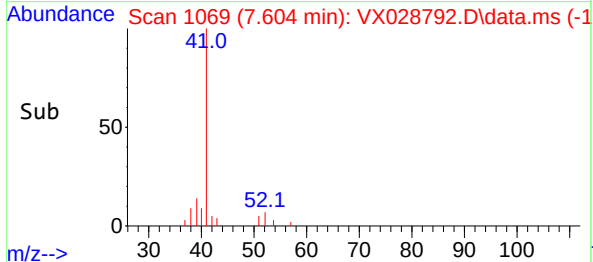
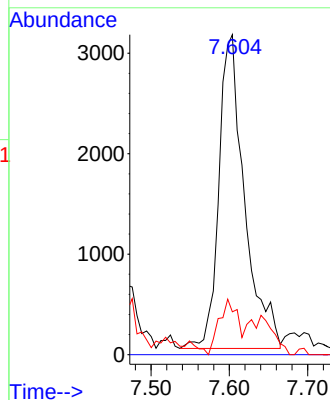
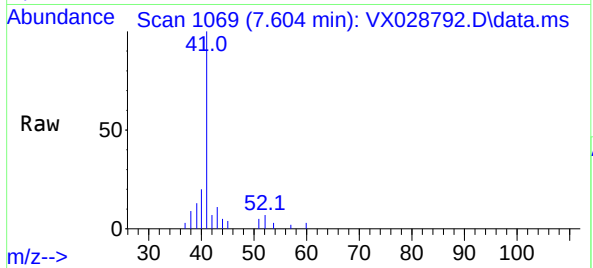




#48
Methyl methacrylate
Concen: 1.631 ug/l
RT: 7.604 min Scan# 1101
Delta R.T. -0.085 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

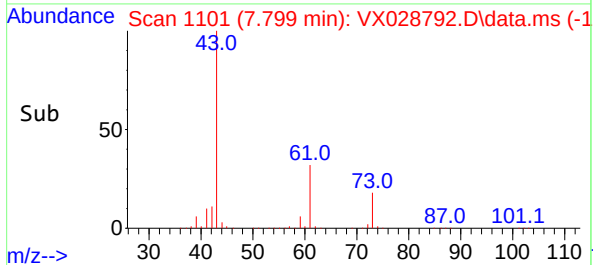
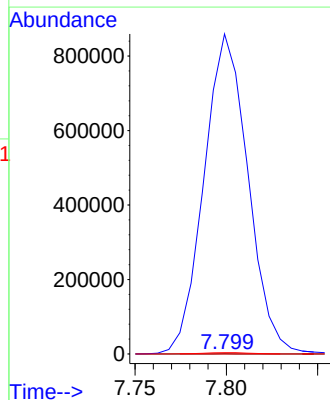
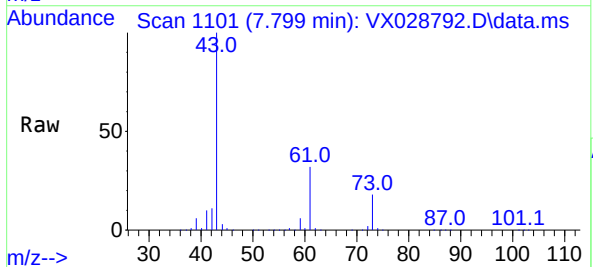
Instrument :
MSVOA_X
ClientSampleId :
TP-38

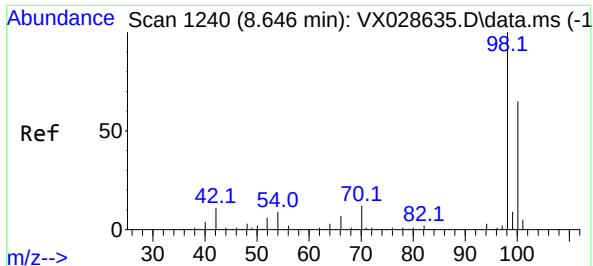
Tgt Ion: 41 Resp: 7131
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.829 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

Tgt Ion: 88 Resp: 309
Ion Ratio Lower Upper
88 100
43 470542.1 21.9 32.9#
58 2113.6 53.7 80.5#

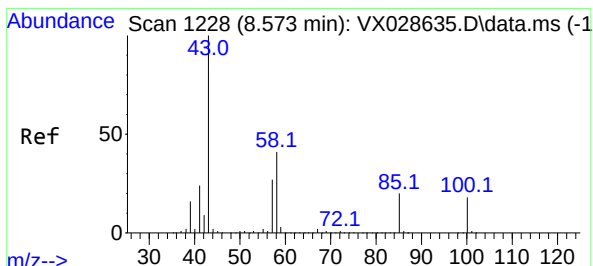
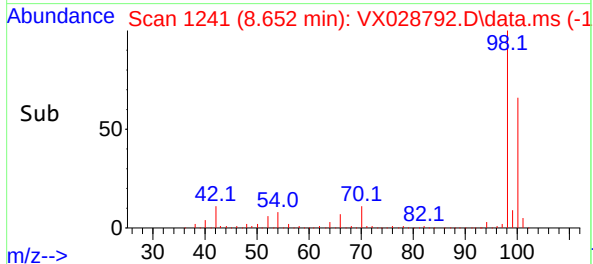
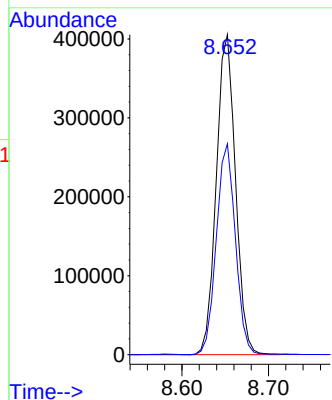
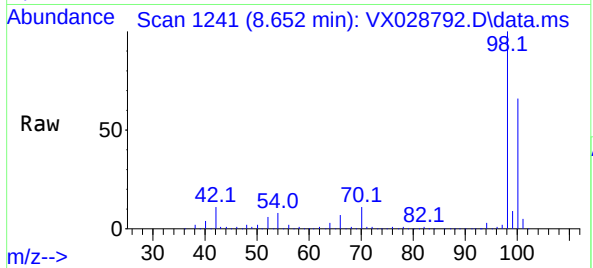




#50
Toluene-d8
Concen: 44.855 ug/l
RT: 8.652 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

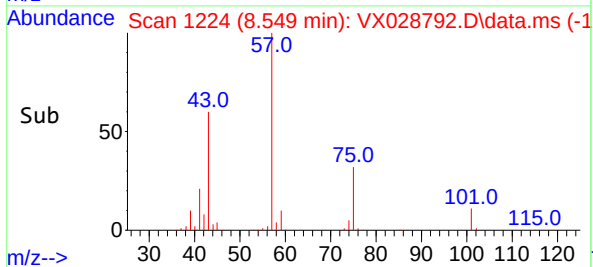
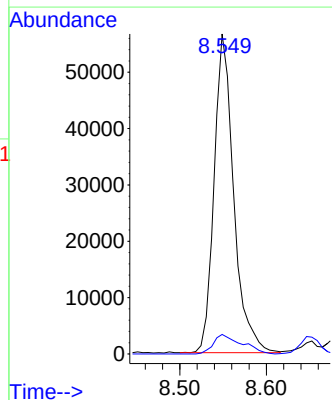
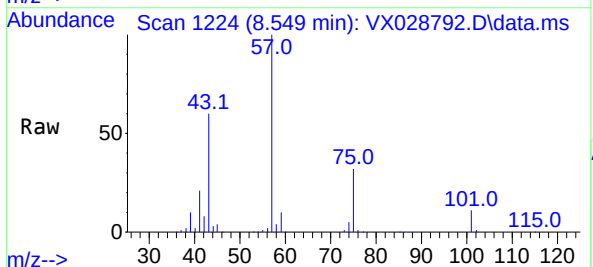
Instrument :
MSVOA_X
ClientSampleId :
TP-38

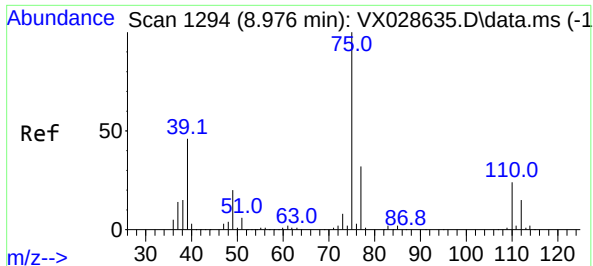
Tgt Ion: 98 Resp: 623545
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 14.927 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

Tgt Ion: 43 Resp: 88976
Ion Ratio Lower Upper
43 100
58 8.8 36.1 54.1#





#53

t-1,3-Dichloropropene

Concen: 1.658 ug/l

RT: 8.963 min Scan# 11

Delta R.T. -0.013 min

Lab File: VX028792.D

Acq: 18 May 2022 05:19

Instrument :

MSVOA_X

ClientSampleId :

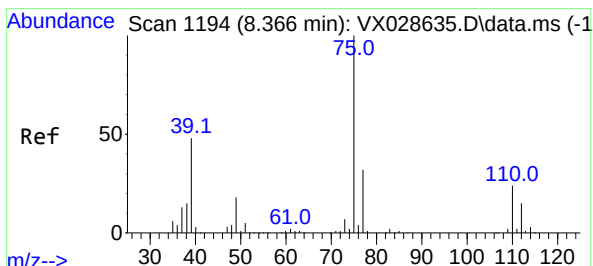
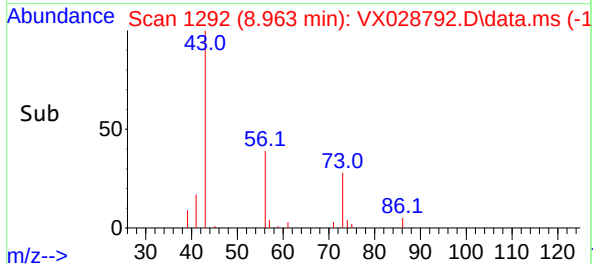
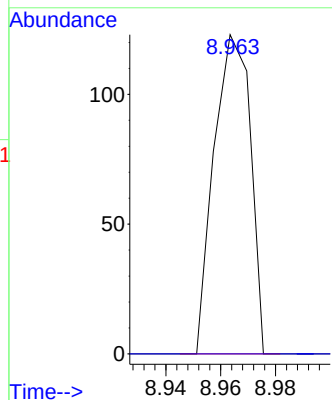
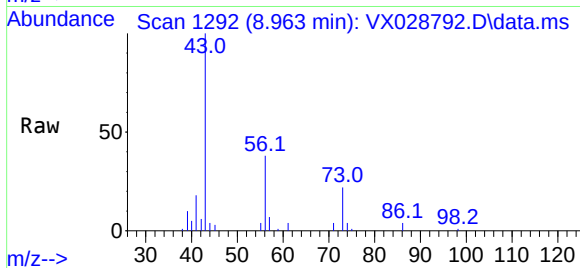
TP-38

Tgt Ion: 75 Resp: 113

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 6.883 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028792.D

Acq: 18 May 2022 05:19

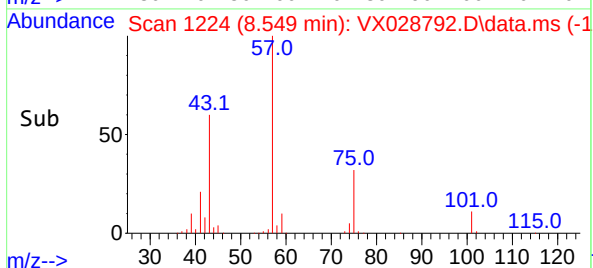
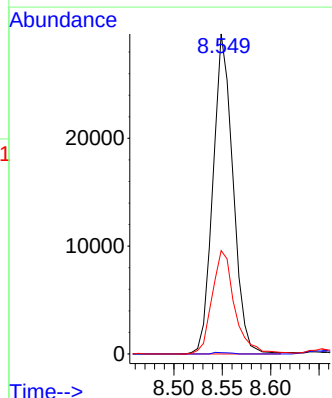
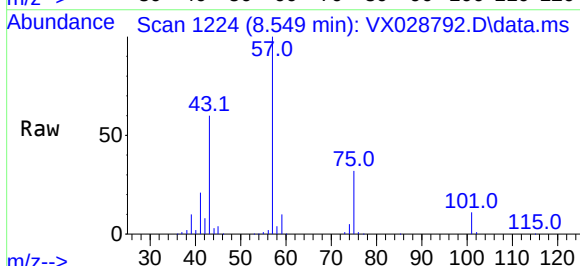
Tgt Ion: 75 Resp: 42640

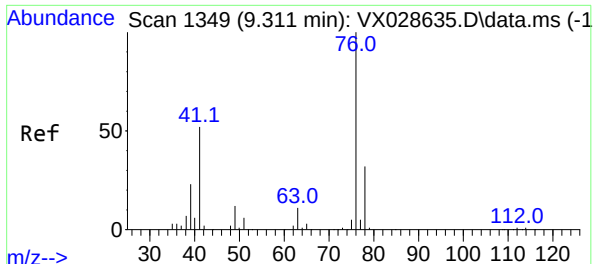
Ion Ratio Lower Upper

75 100

77 0.4 24.8 37.2#

39 32.3 29.6 44.4

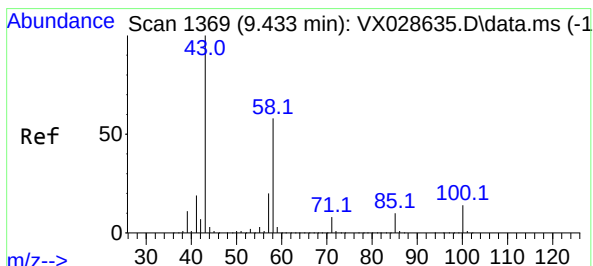
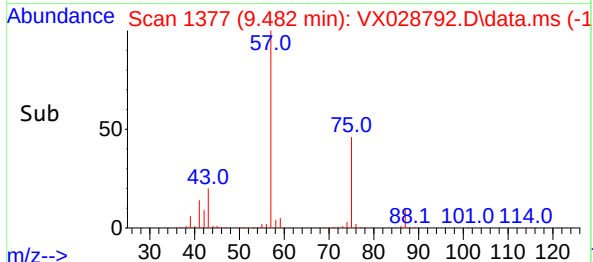
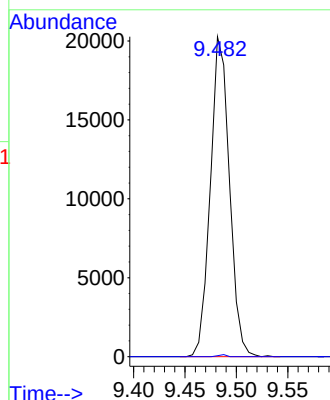
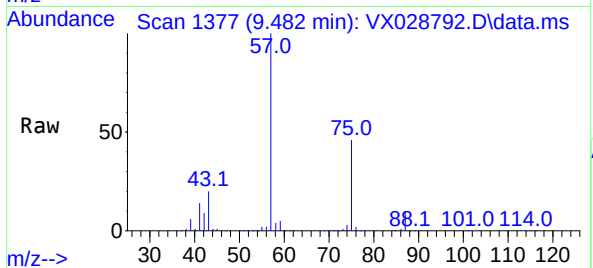




#57
1,3-Dichloropropane
Concen: 3.715 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

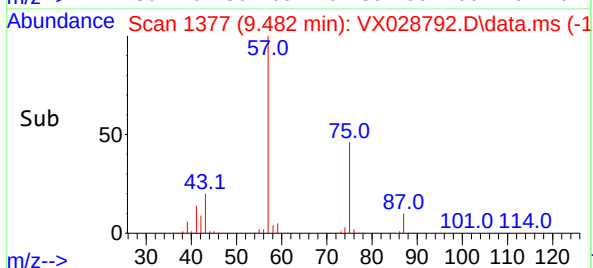
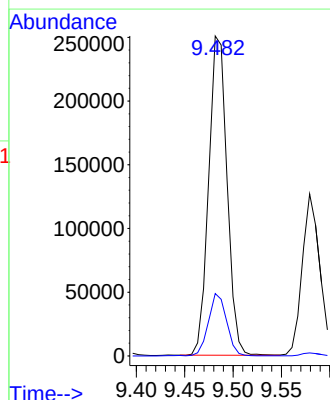
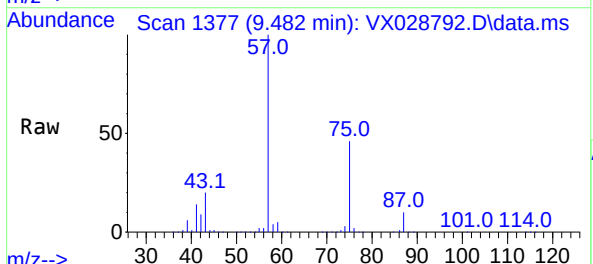
Instrument :
MSVOA_X
ClientSampleId :
TP-38

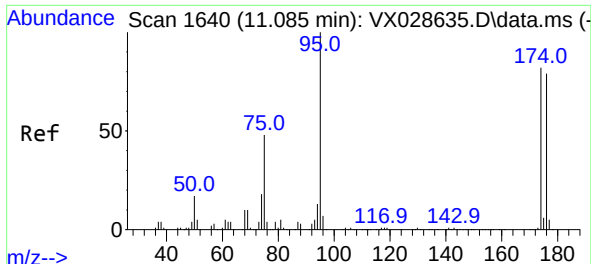
Tgt Ion: 76 Resp: 26160
Ion Ratio Lower Upper
76 100
78 0.3 25.8 38.8#



#59
2-Hexanone
Concen: 71.761 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

Tgt Ion: 43 Resp: 332334
Ion Ratio Lower Upper
43 100
58 19.5 31.9 95.7#

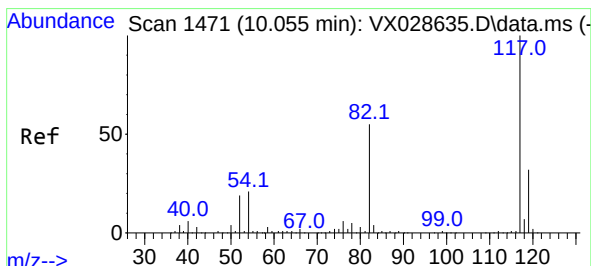
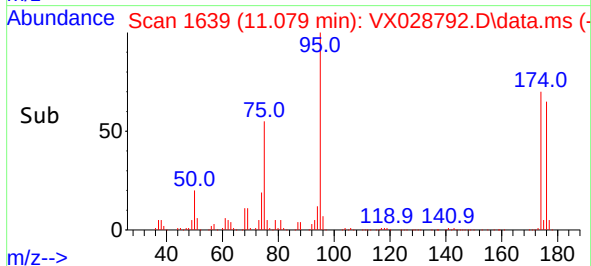
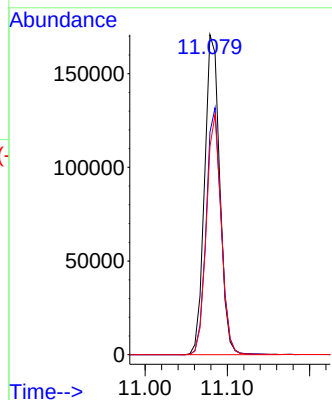
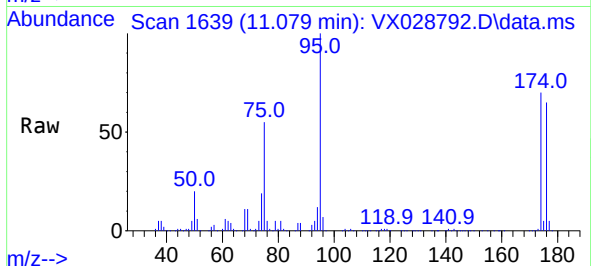




#62
4-Bromofluorobenzene
Concen: 42.157 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

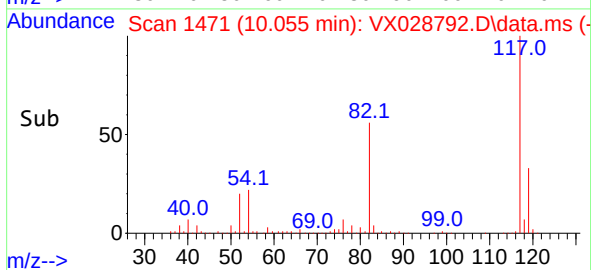
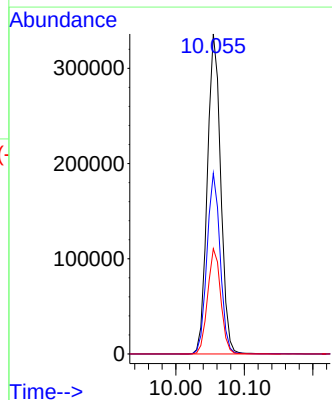
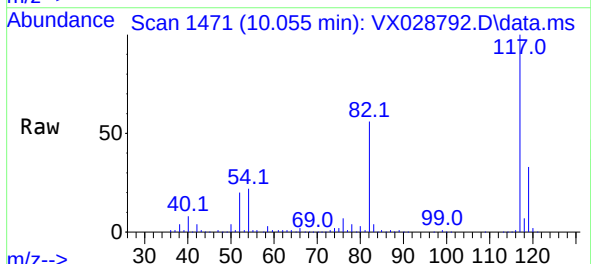
Instrument :
MSVOA_X
ClientSampleId :
TP-38

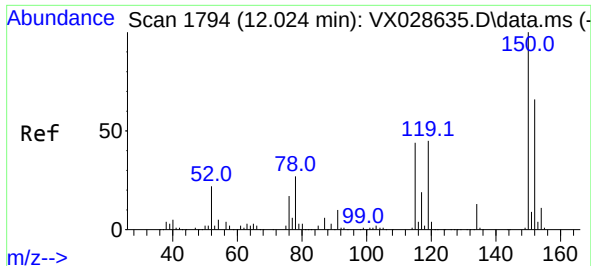
Tgt Ion: 95 Resp: 218890
Ion Ratio Lower Upper
95 100
174 75.8 0.0 163.0
176 73.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

Tgt Ion: 117 Resp: 456433
Ion Ratio Lower Upper
117 100
82 56.5 41.8 62.8
119 32.9 24.8 37.2

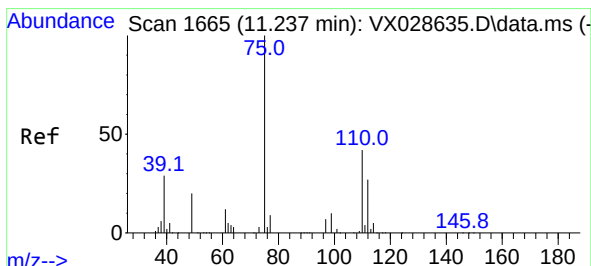
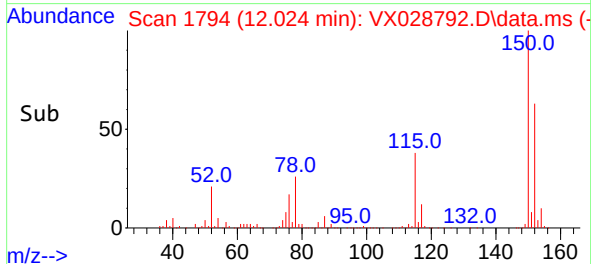
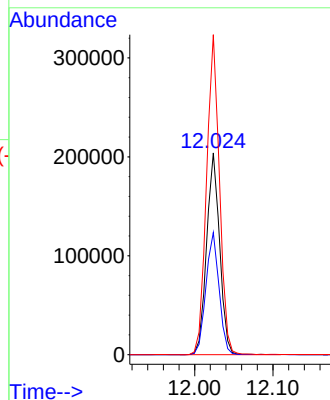
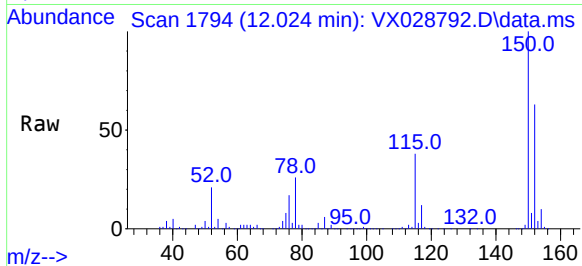




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

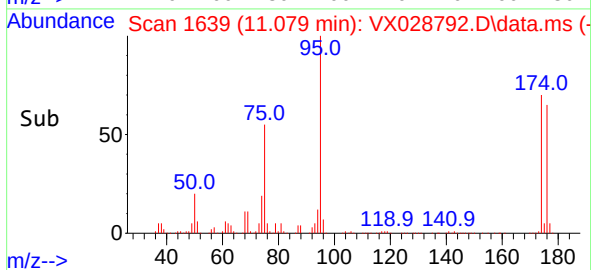
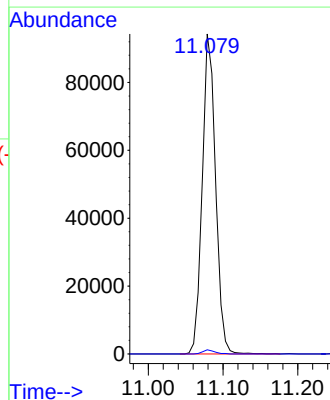
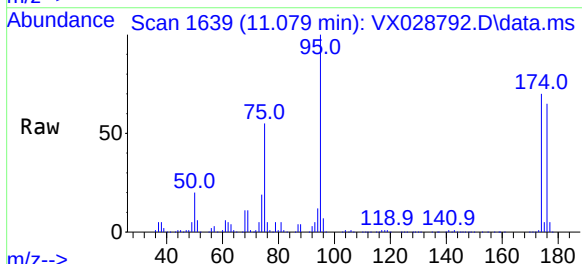
Instrument :
MSVOA_X
ClientSampleId :
TP-38

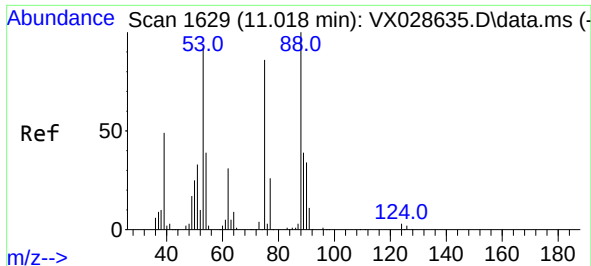
Tgt Ion:152 Resp: 235189
Ion Ratio Lower Upper
152 100
115 61.2 37.5 112.7
150 157.4 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 21.179 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028792.D
Acq: 18 May 2022 05:19

Tgt Ion: 75 Resp: 116652
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.162 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX028792.D
 Acq: 18 May 2022 05:19

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-38

Tgt Ion: 75 Resp: 116652
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

