

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052422\
 Data File : VX028922.D
 Acq On : 24 May 2022 15:32
 Operator : JC/MD
 Sample : N2970-09DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 70BR-72-20220519DL

Quant Time: May 25 01:49:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

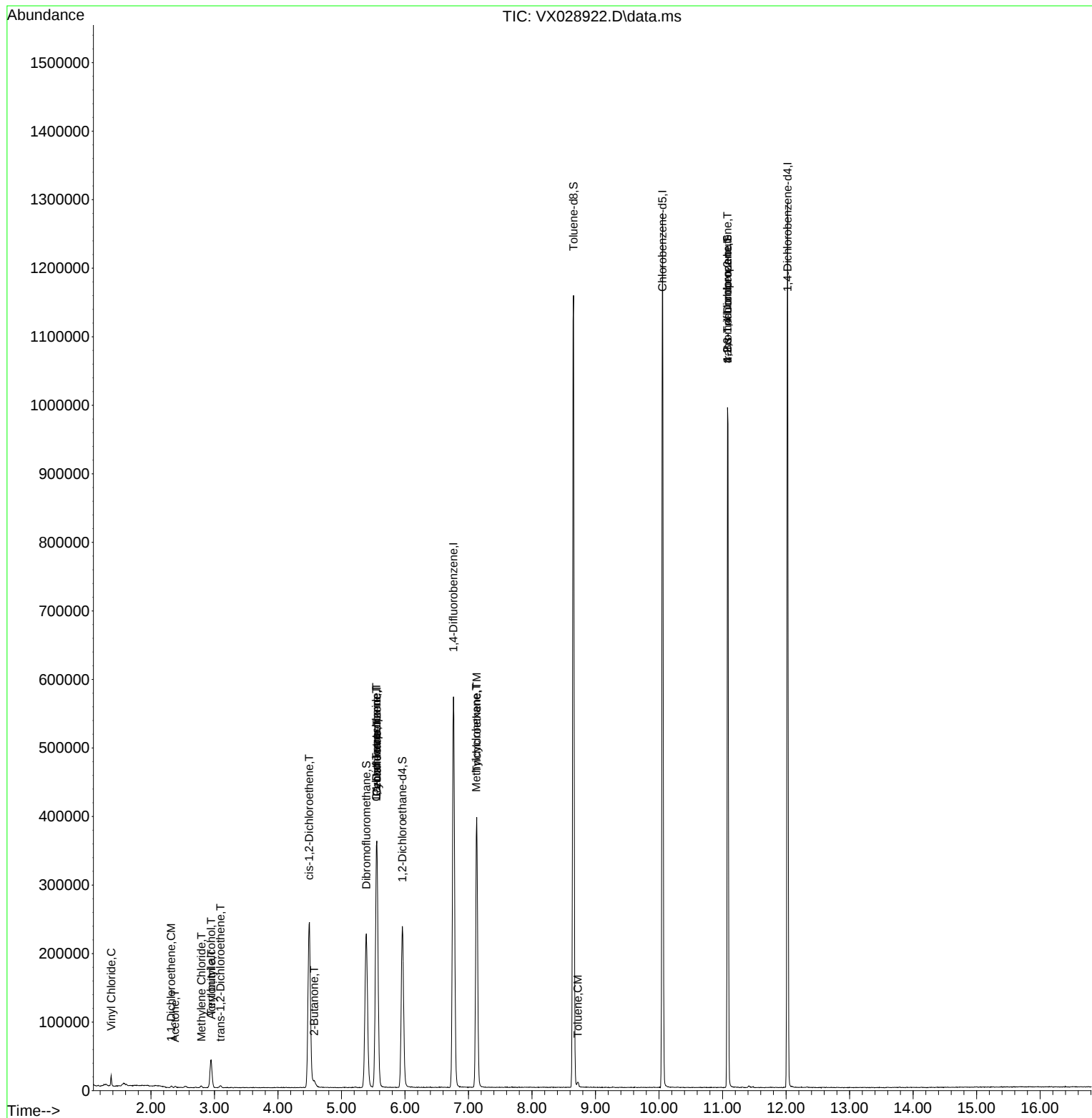
Internal Standards						
1) Pentafluorobenzene	5.556	168	340597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	596114	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	570538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	265753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	231764	49.641	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.280%
35) Dibromofluoromethane	5.391	113	197049	50.452	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.900%
50) Toluene-d8	8.653	98	706988	48.013	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.020%
62) 4-Bromofluorobenzene	11.079	95	279852	50.883	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.760%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	9045	1.998	ug/l	99
5) Bromomethane	1.611	94	1157	Below Cal		97
6) Chloroethane	1.697	64	2265	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	23622	16.385	ug/l #	76
12) 1,1-Dichloroethene	2.319	96	828	0.235	ug/l #	93
15) Acrylonitrile	2.953	53	478	0.212	ug/l #	18
16) Acetone	2.380	43	1937	0.967	ug/l	98
20) Methylene Chloride	2.794	84	1252	0.298	ug/l #	86
21) trans-1,2-Dichloroethene	3.093	96	1421	0.358	ug/l #	76
25) 2-Butanone	4.568	43	1164	0.370	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	159292	34.349	ug/l	88
31) Cyclohexane	5.556	56	6858	1.058	ug/l #	8
36) 1,1-Dichloropropene	5.550	75	26834	4.574	ug/l #	50
38) Carbon Tetrachloride	5.550	117	35626	6.035	ug/l #	15
39) Methylcyclohexane	7.123	83	1797	0.267	ug/l #	1
44) Trichloroethene	7.129	130	153430	33.556	ug/l	98
52) Toluene	8.720	92	2704	0.249	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	140608	22.592	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	140608	66.052	ug/l #	15

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

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70BR-72-20220519DL

Quant Time: May 25 01:49:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
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Response via : Initial Calibration

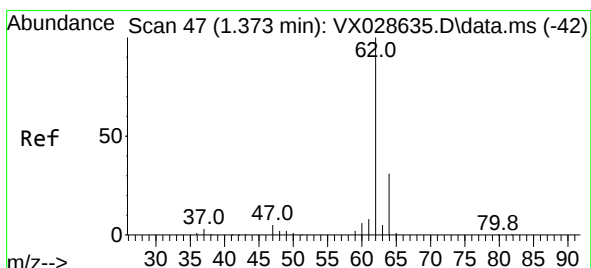
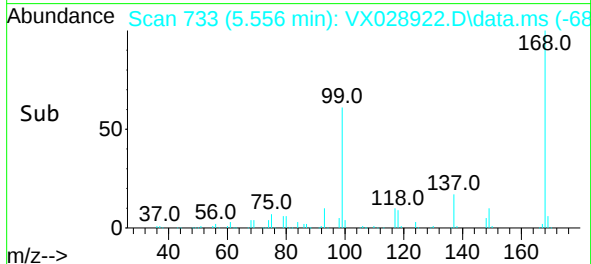
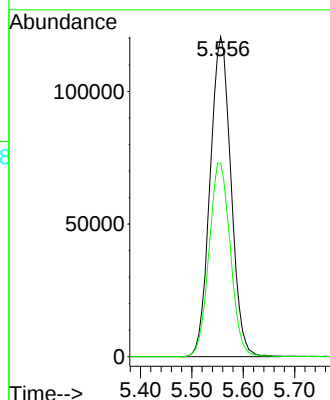
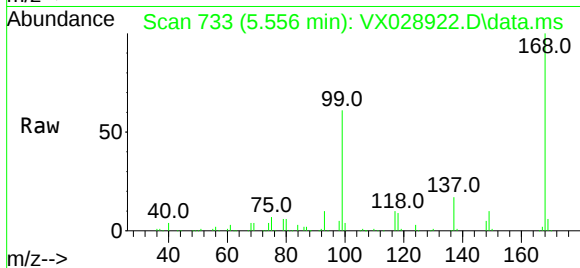




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

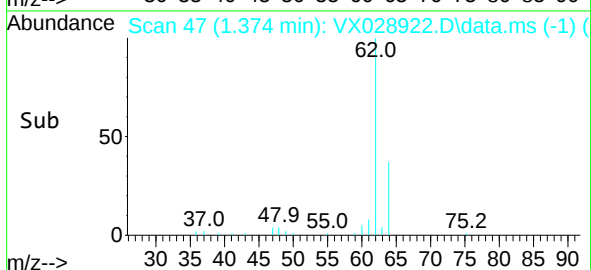
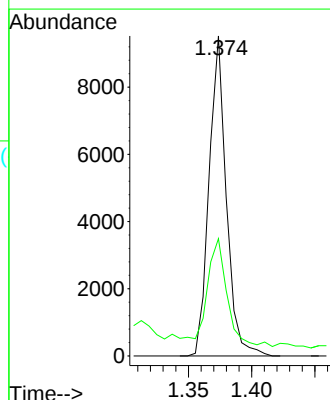
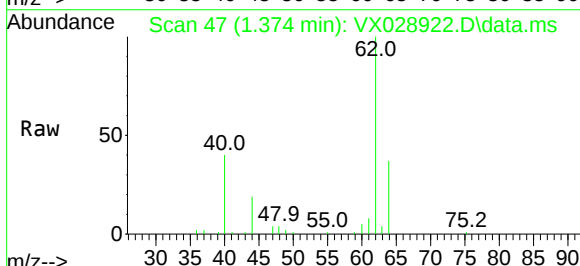
Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519DL

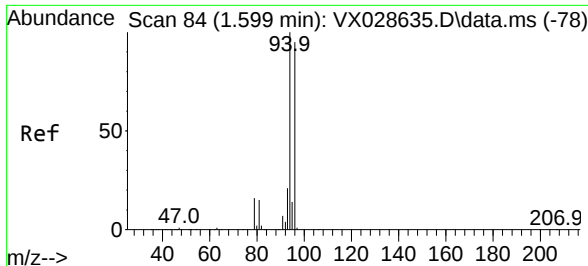
Tgt Ion:168 Resp: 340597
Ion Ratio Lower Upper
168 100
99 60.5 41.7 62.5



#4
Vinyl Chloride
Concen: 1.998 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.001 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

Tgt Ion: 62 Resp: 9045
Ion Ratio Lower Upper
62 100
64 32.7 25.5 38.3

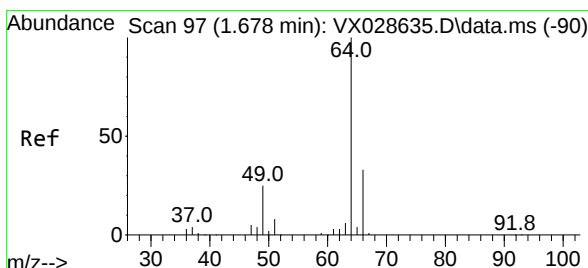
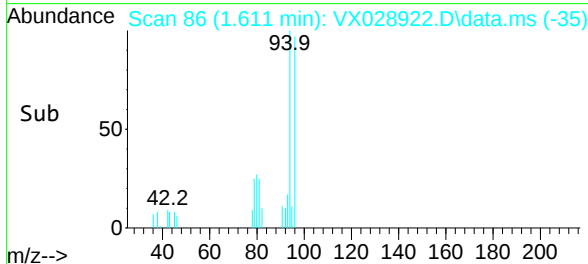
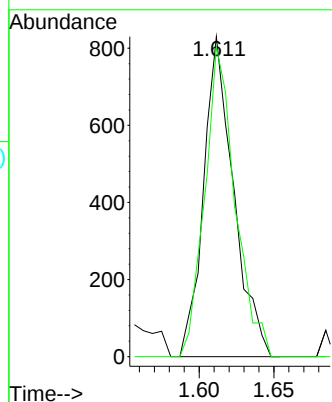
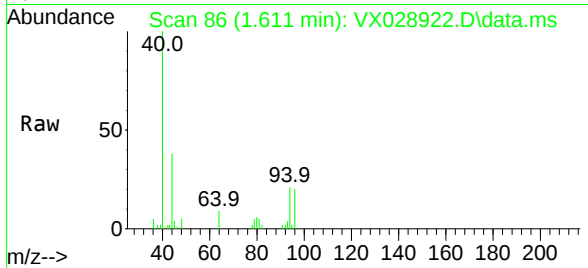




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

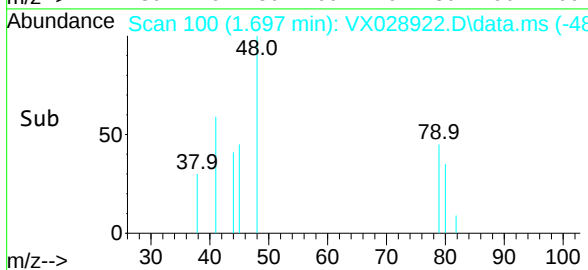
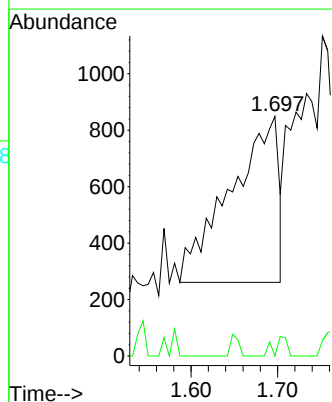
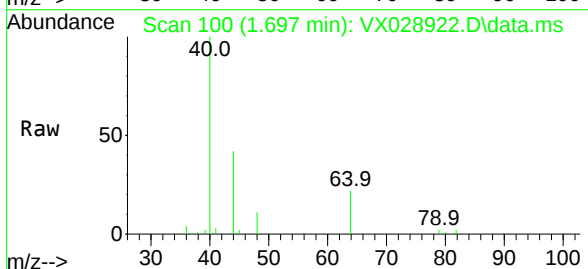
Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519DL

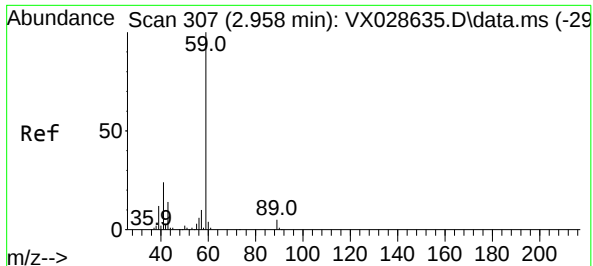
Tgt Ion: 94 Resp: 1157
Ion Ratio Lower Upper
94 100
96 96.9 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

Tgt Ion: 64 Resp: 2265
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: 16.385 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.011 min

Lab File: VX028922.D

Acq: 24 May 2022 15:32

Instrument :

MSVOA_X

ClientSampleId :

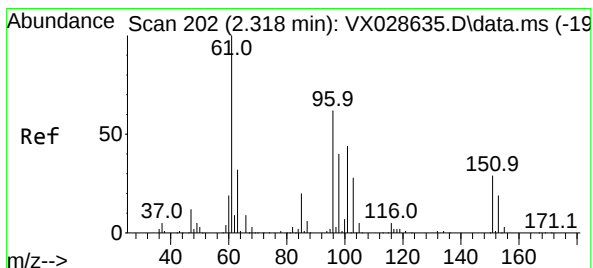
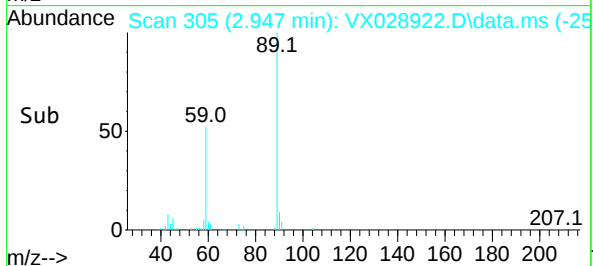
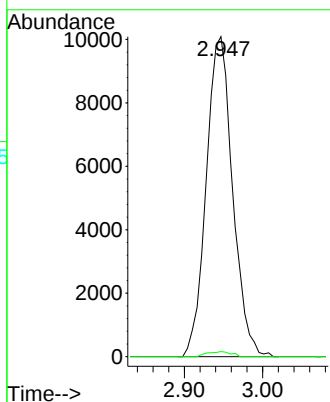
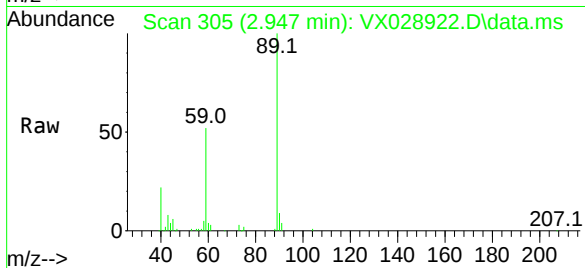
70BR-72-20220519DL

Tgt Ion: 59 Resp: 23622

Ion Ratio Lower Upper

59 100

57 1.4 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.235 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.001 min

Lab File: VX028922.D

Acq: 24 May 2022 15:32

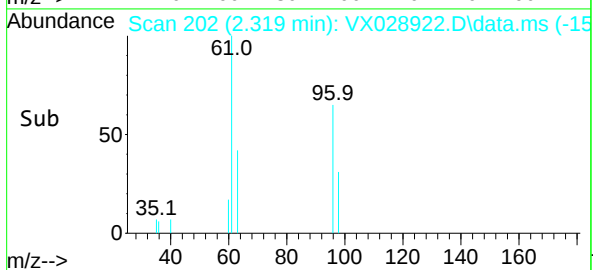
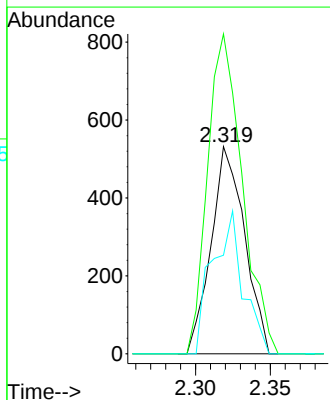
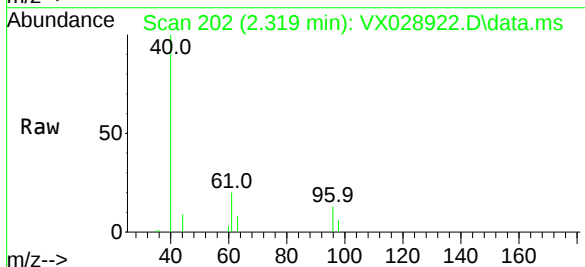
Tgt Ion: 96 Resp: 828

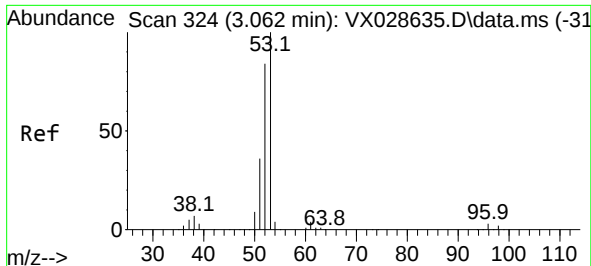
Ion Ratio Lower Upper

96 100

61 154.3 124.6 187.0

98 47.6 51.0 76.4#

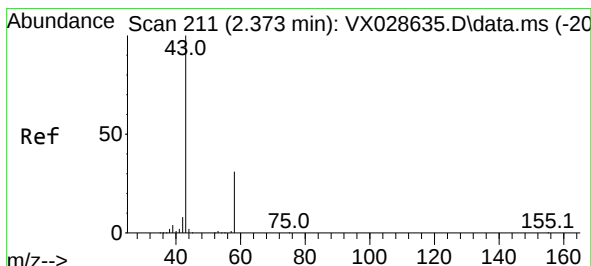
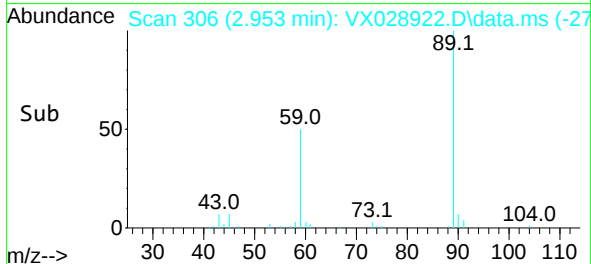
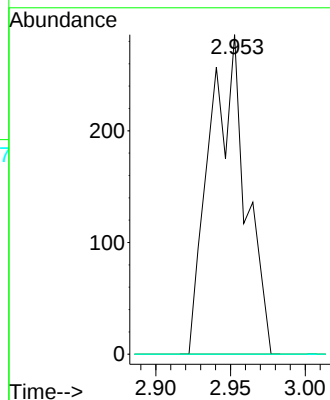
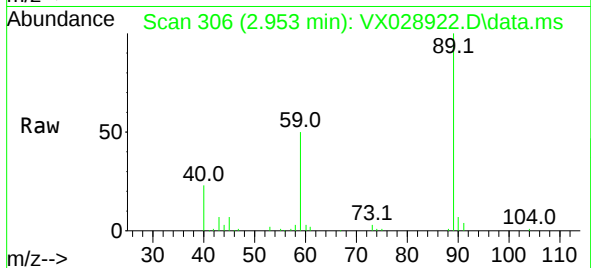




#15
Acrylonitrile
Concen: 0.212 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.109 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

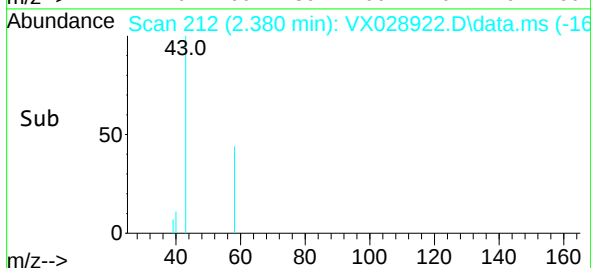
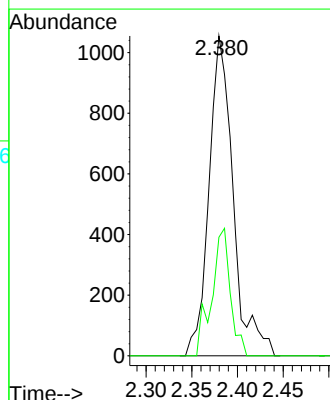
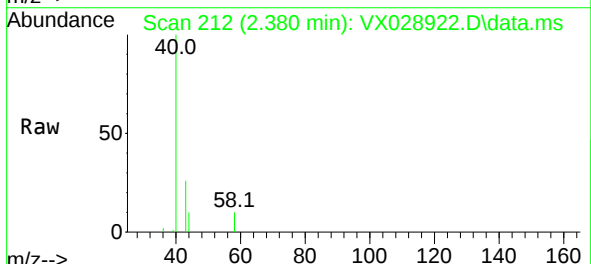
Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519DL

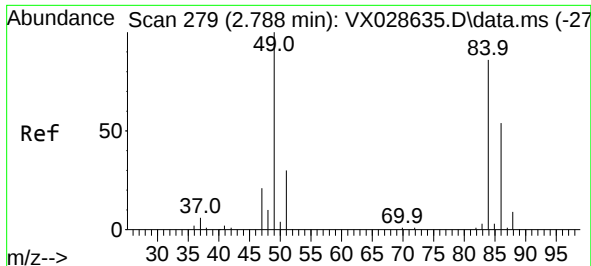
Tgt Ion: 53 Resp: 478
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 0.967 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

Tgt Ion: 43 Resp: 1937
Ion Ratio Lower Upper
43 100
58 37.1 28.8 43.2

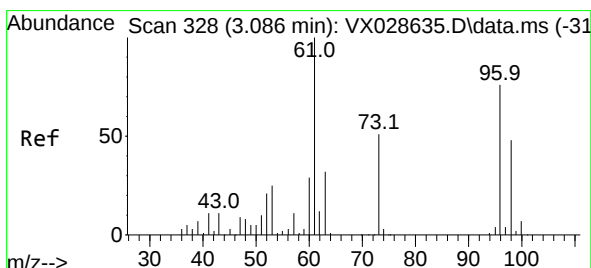
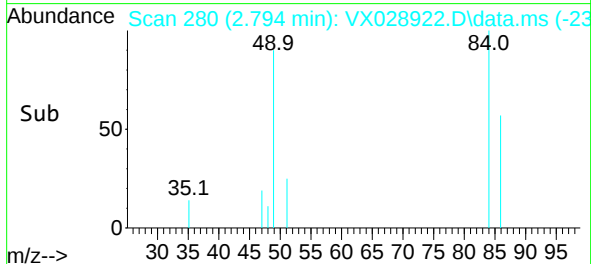
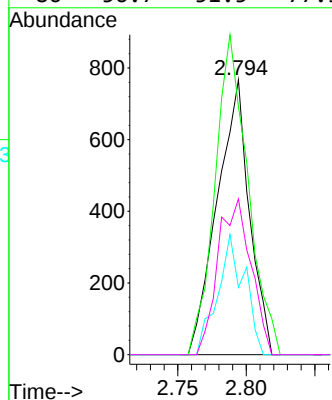
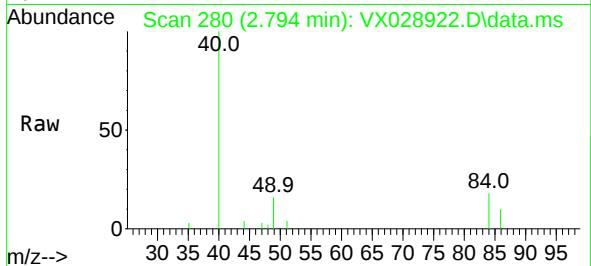




#20
Methylene Chloride
Concen: 0.298 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

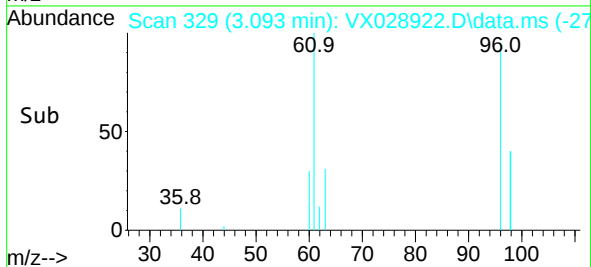
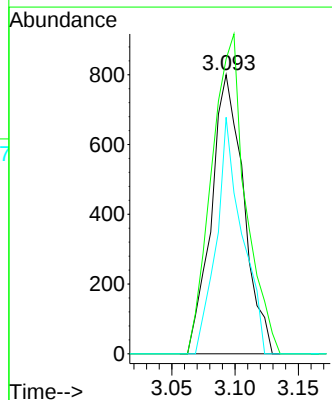
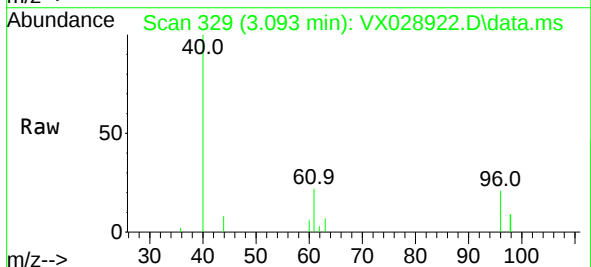
Instrument :
MSVOA_X
ClientSampleId :
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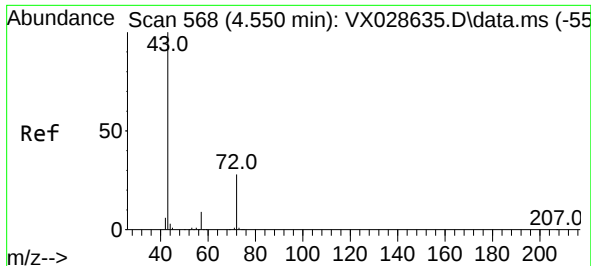
Tgt Ion: 84	Resp: 1252
Ion Ratio	Lower Upper
84 100	
49 90.2	85.5 128.3
51 24.5	26.6 39.8#
86 56.7	51.5 77.3



#21
trans-1,2-Dichloroethene
Concen: 0.358 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.007 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

Tgt Ion: 96	Resp: 1421		
Ion Ratio	Lower	Upper	
96	100		
61	105.6	105.4	158.2
98	84.8	50.0	75.0#

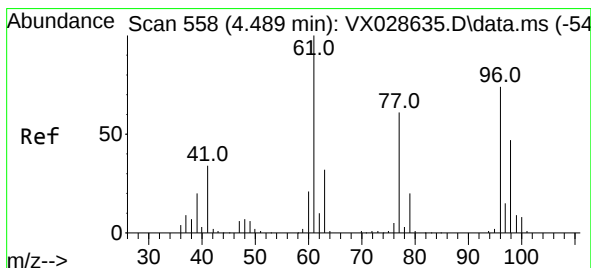
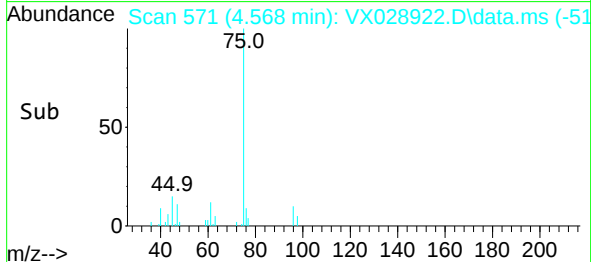
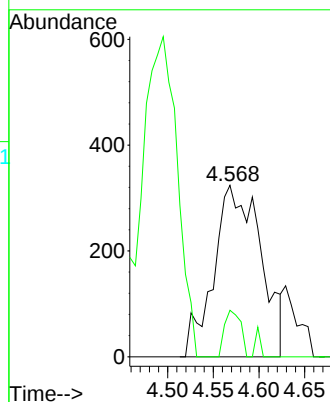
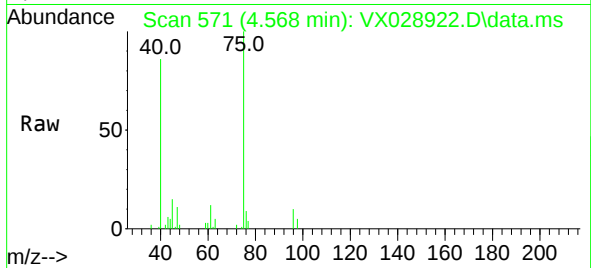




#25
2-Butanone
Concen: 0.370 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

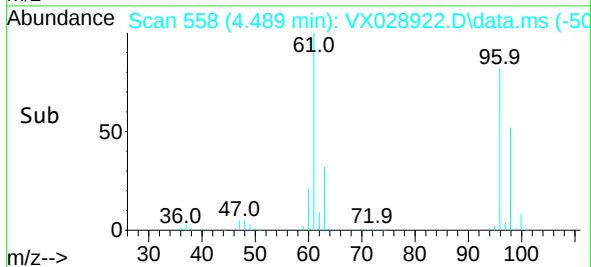
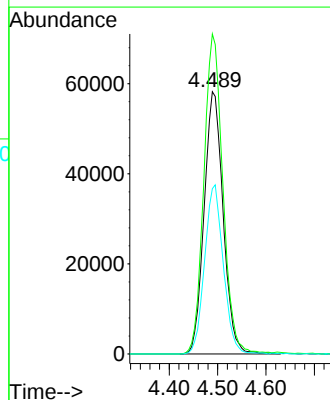
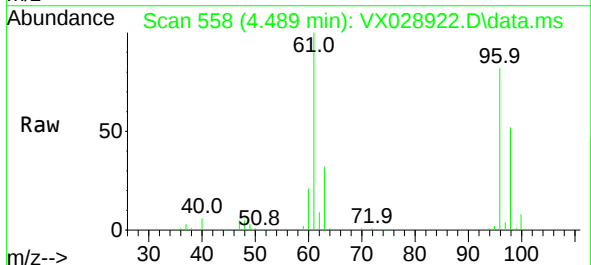
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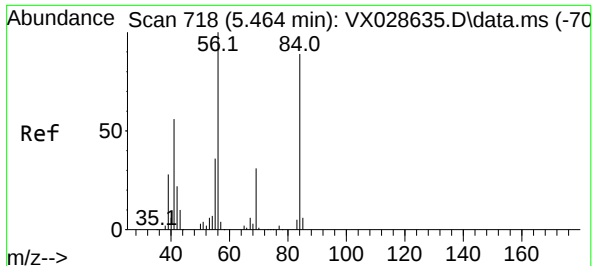
Tgt Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
72 27.2 24.4 36.6



#27
cis-1,2-Dichloroethene
Concen: 34.349 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

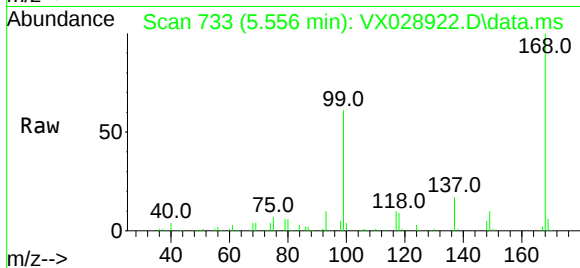
Tgt Ion: 96 Resp: 159292
Ion Ratio Lower Upper
96 100
61 121.7 0.0 283.8
98 63.4 0.0 129.8



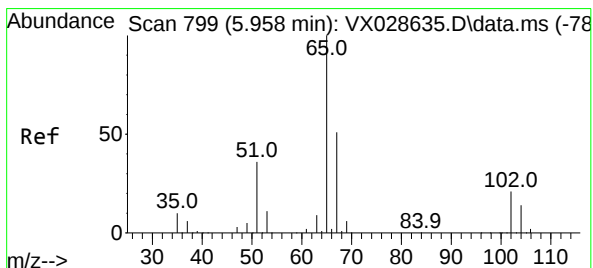
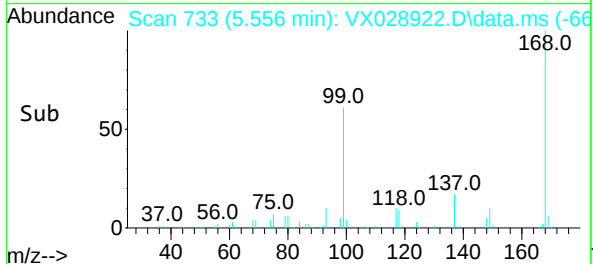
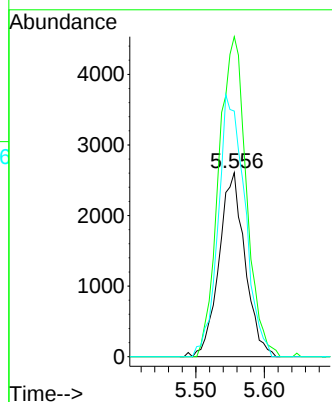


#31
Cyclohexane
Concen: 1.058 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

Instrument :
MSVOA_X
ClientSampleId :
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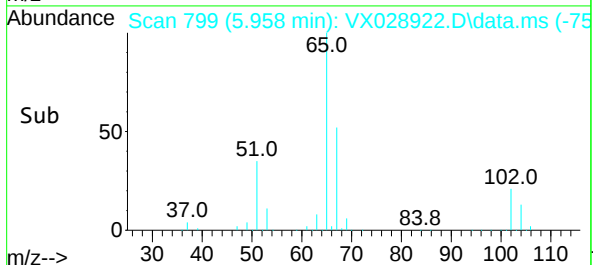
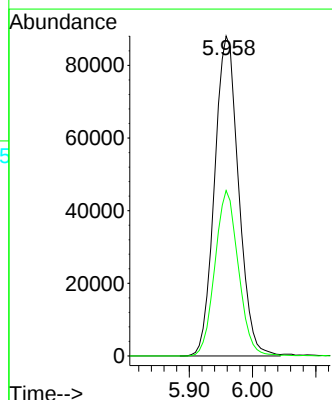
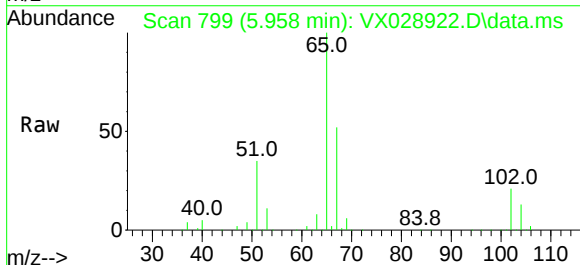


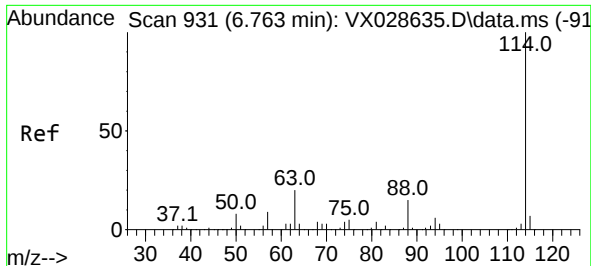
Tgt Ion: 56 Resp: 6858
Ion Ratio Lower Upper
56 100
69 173.8 26.7 40.1#
84 133.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 49.641 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

Tgt Ion: 65 Resp: 231764
Ion Ratio Lower Upper
65 100
67 50.6 0.0 107.4

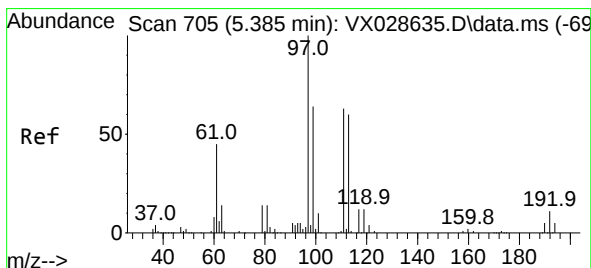
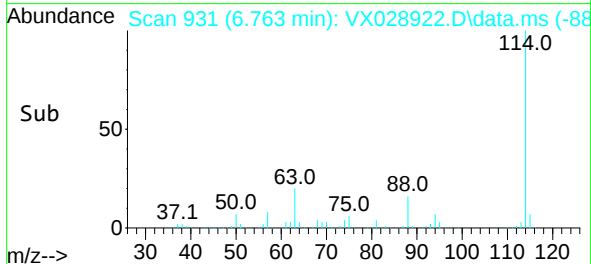
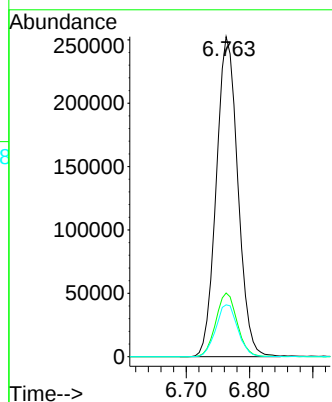
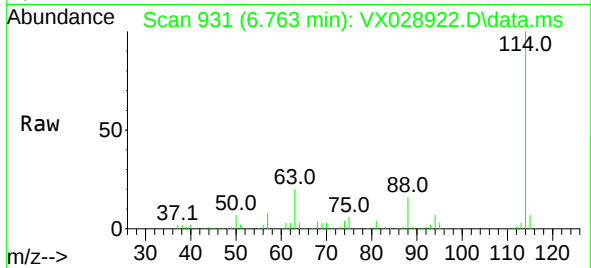




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

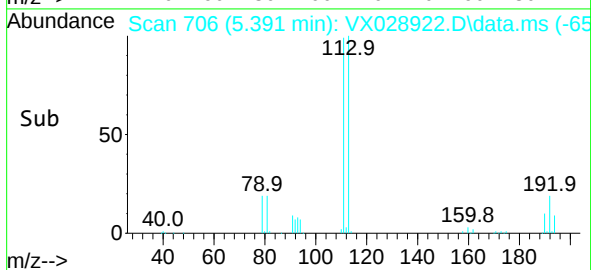
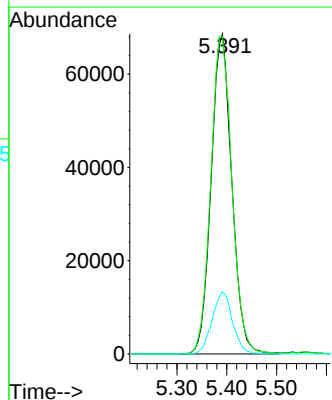
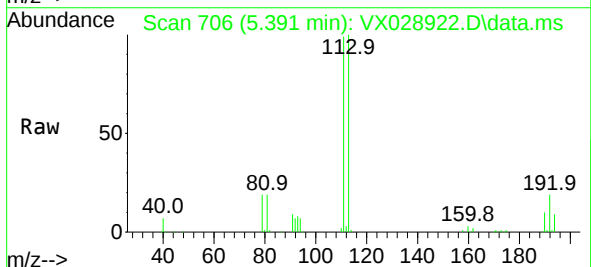
Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519DL

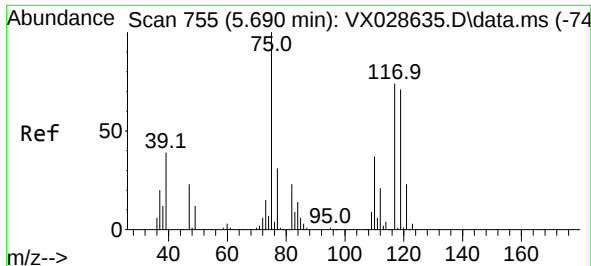
Tgt Ion:114 Resp: 596114
Ion Ratio Lower Upper
114 100
63 19.9 0.0 36.8
88 16.2 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.452 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

Tgt Ion:113 Resp: 197049
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 19.2 16.9 25.3

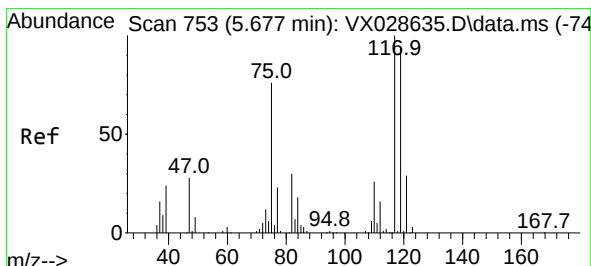
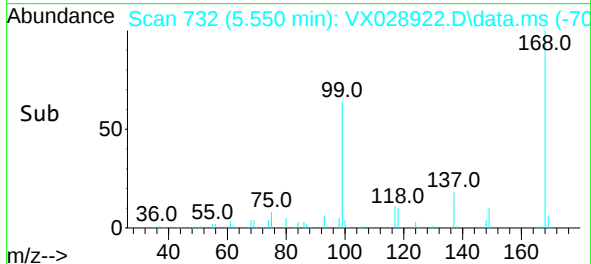
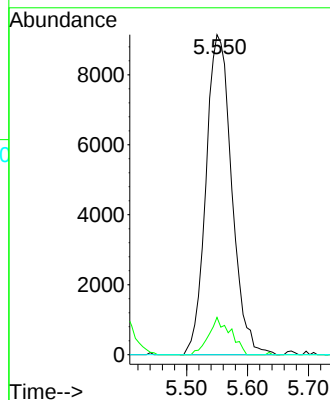
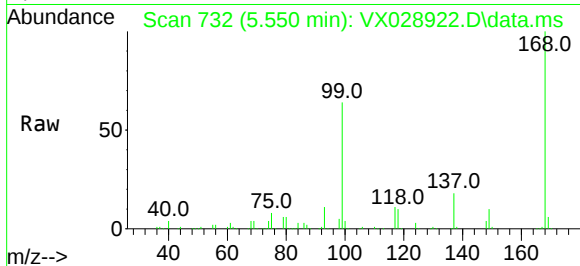




#36
1,1-Dichloropropene
Concen: 4.574 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

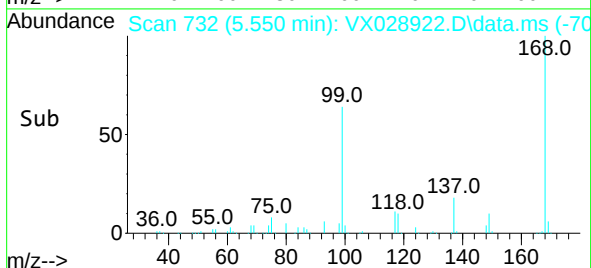
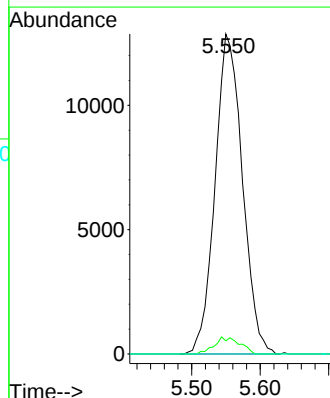
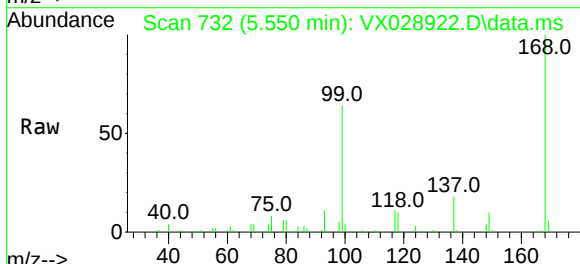
Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519DL

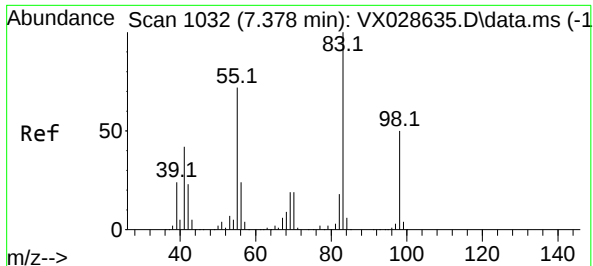
Tgt Ion: 75 Resp: 26834
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.035 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

Tgt Ion: 117 Resp: 35626
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.267 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.255 min

Lab File: VX028922.D

Acq: 24 May 2022 15:32

Instrument :

MSVOA_X

ClientSampleId :

70BR-72-20220519DL

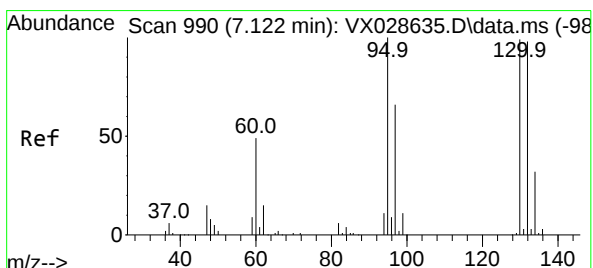
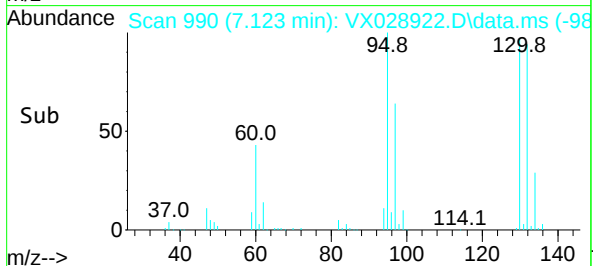
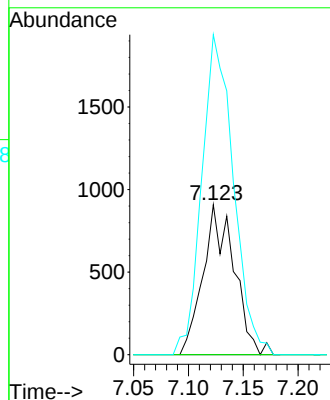
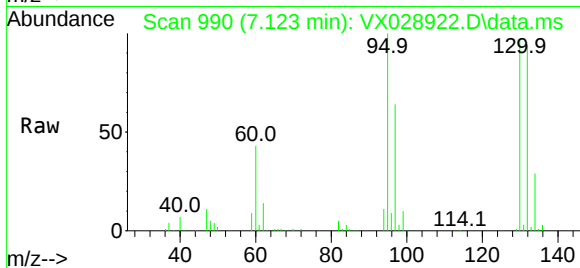
Tgt Ion: 83 Resp: 1797

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 213.4 37.4 56.2#



#44

Trichloroethene

Concen: 33.556 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.007 min

Lab File: VX028922.D

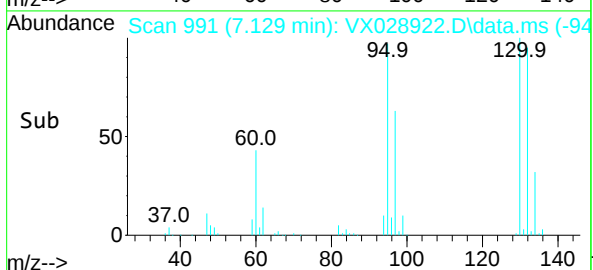
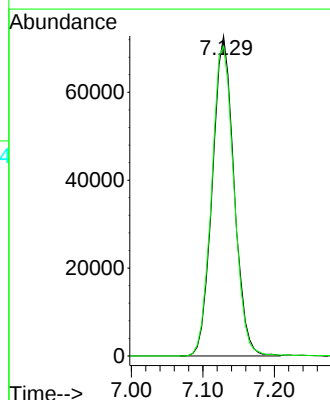
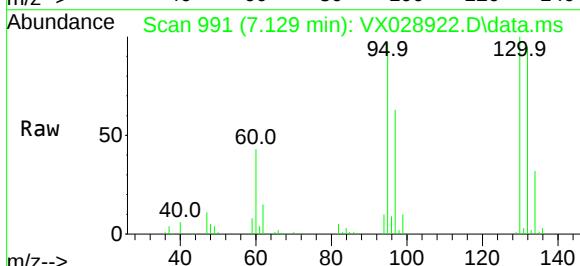
Acq: 24 May 2022 15:32

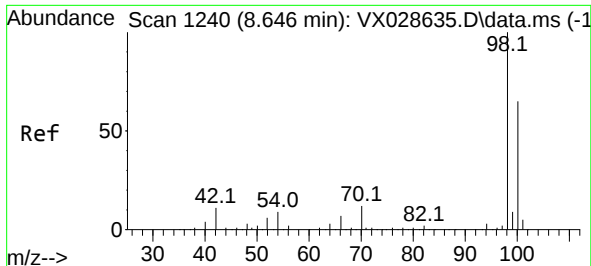
Tgt Ion:130 Resp: 153430

Ion Ratio Lower Upper

130 100

95 96.8 0.0 188.8

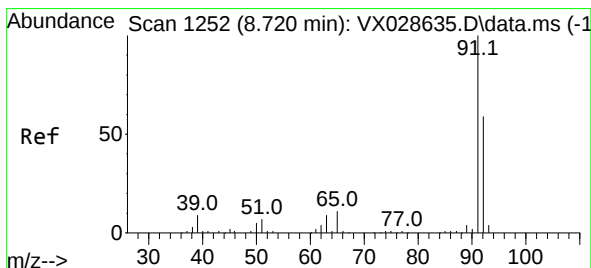
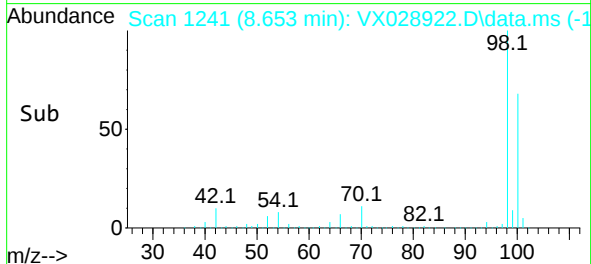
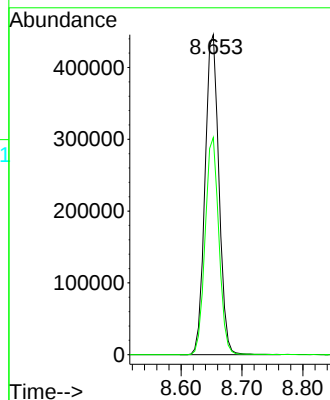
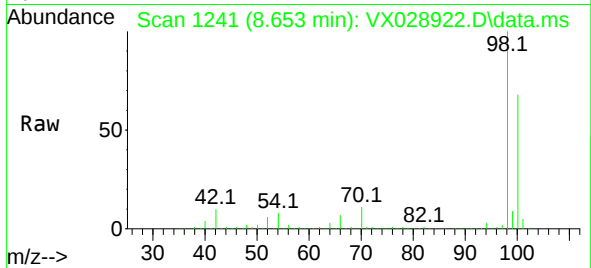




#50
Toluene-d8
Concen: 48.013 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

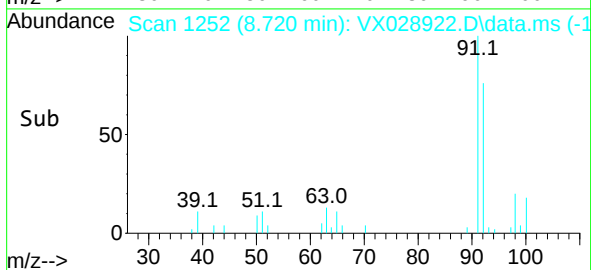
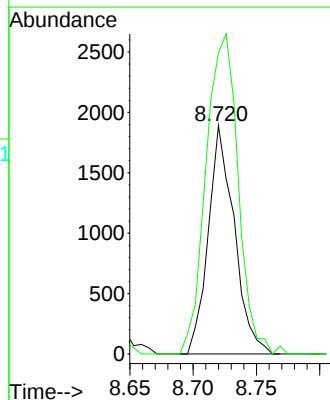
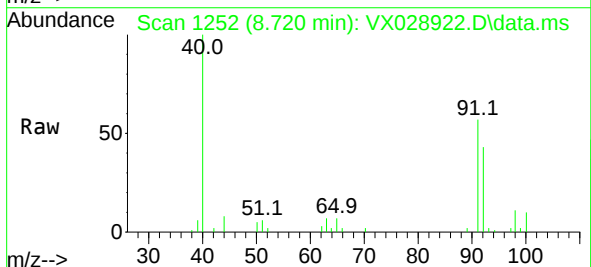
Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519DL

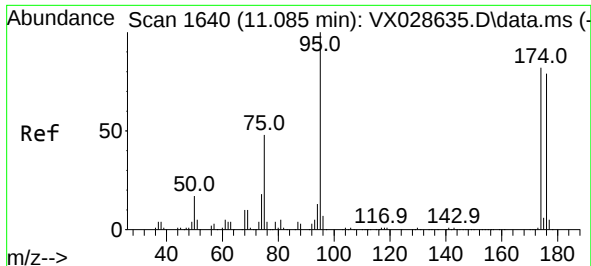
Tgt Ion: 98 Resp: 706988
Ion Ratio Lower Upper
98 100
100 67.0 52.6 78.8



#52
Toluene
Concen: 0.249 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

Tgt Ion: 92 Resp: 2704
Ion Ratio Lower Upper
92 100
91 173.5 137.5 206.3

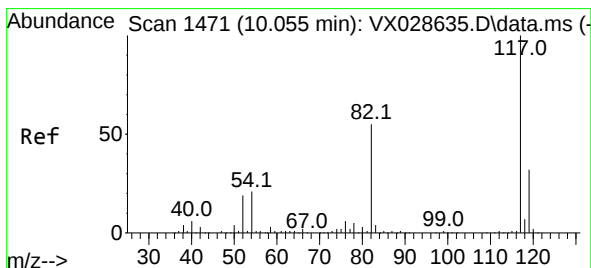
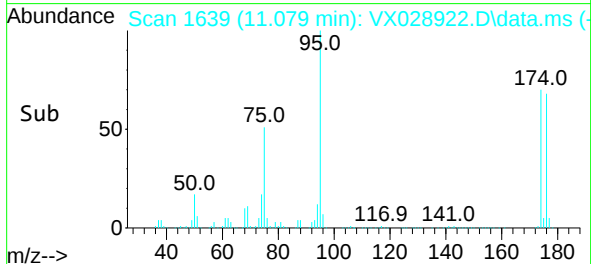
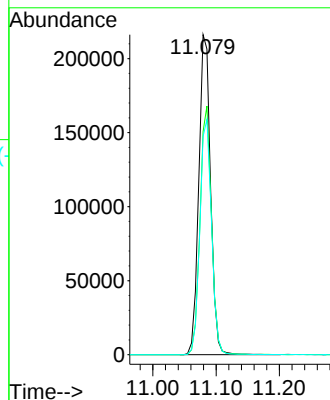
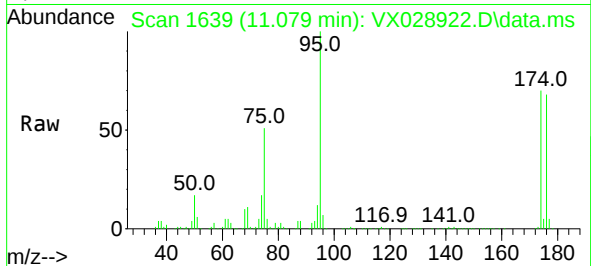




#62
4-Bromofluorobenzene
Concen: 50.883 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

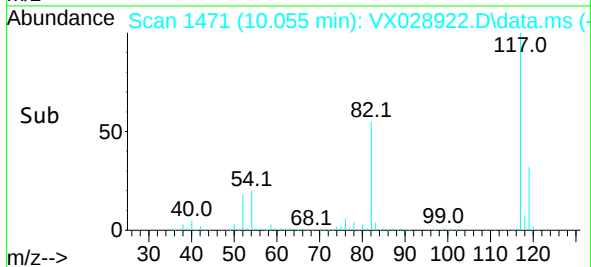
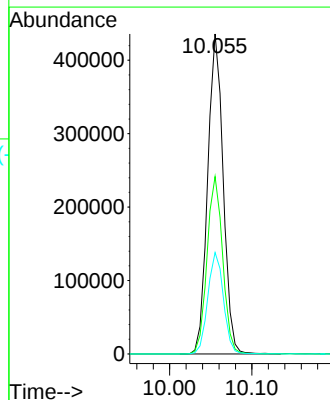
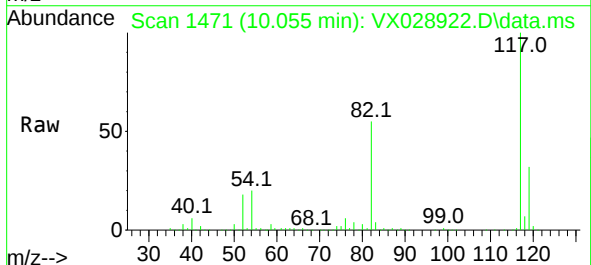
Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519DL

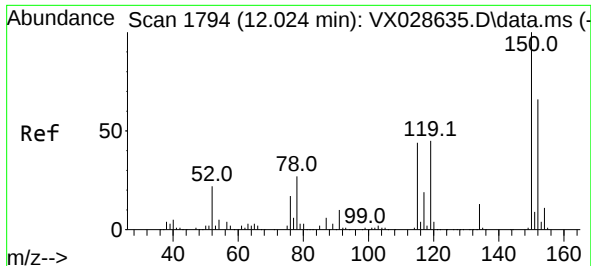
Tgt Ion: 95 Resp: 279852
Ion Ratio Lower Upper
95 100
174 75.6 0.0 163.0
176 73.2 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

Tgt Ion: 117 Resp: 570538
Ion Ratio Lower Upper
117 100
82 55.5 41.8 62.8
119 31.7 24.8 37.2

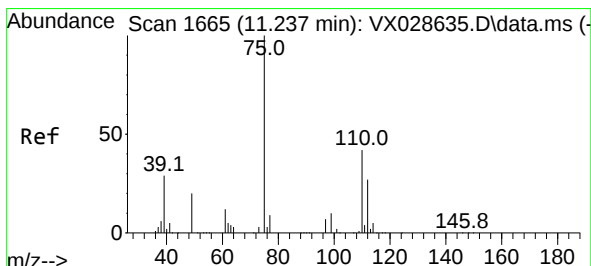
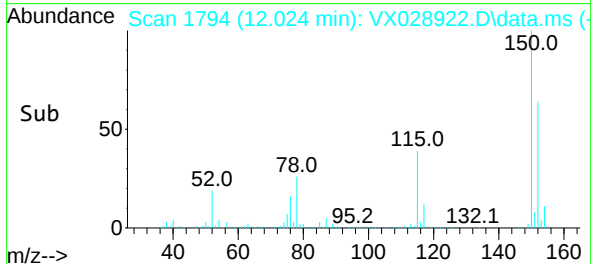
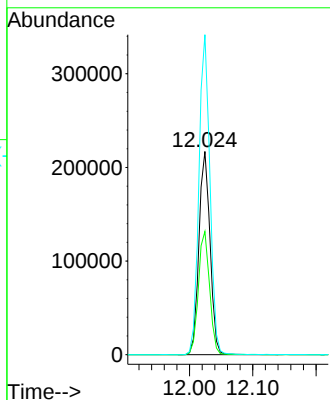
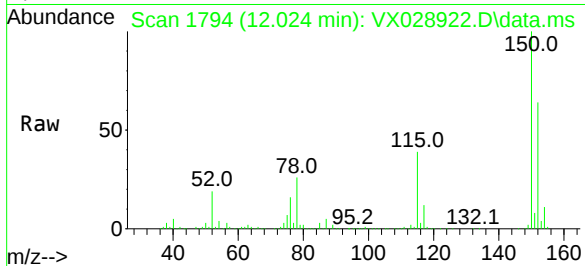




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

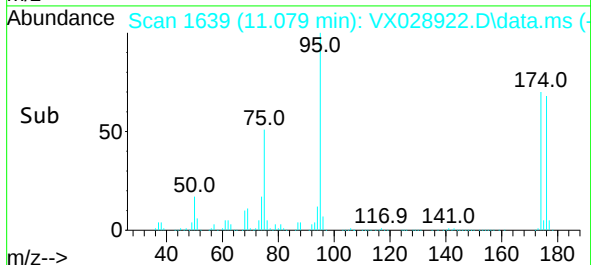
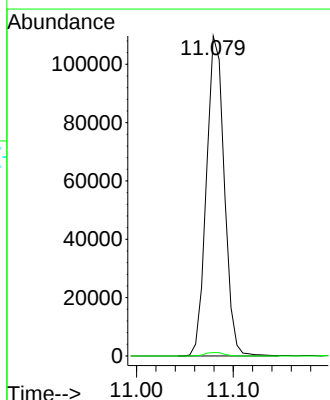
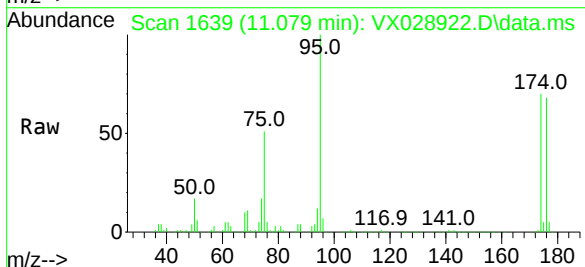
Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519DL

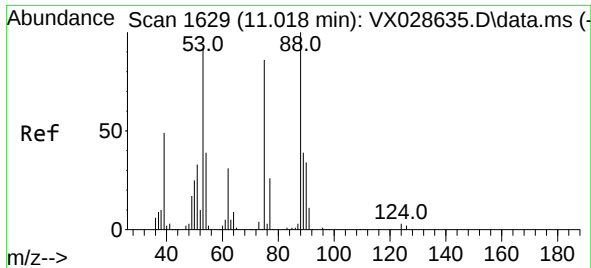
Tgt Ion:152 Resp: 265753
Ion Ratio Lower Upper
152 100
115 61.1 37.5 112.7
150 155.7 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 22.592 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028922.D
Acq: 24 May 2022 15:32

Tgt Ion: 75 Resp: 140608
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.052 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028922.D
 Acq: 24 May 2022 15:32

Instrument :
 MSVOA_X
 ClientSampleId :
 70BR-72-20220519DL

Tgt Ion: 75 Resp: 140608
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

