

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021622\
 Data File : VX027038.D
 Acq On : 15 Feb 2022 18:53
 Operator : JC/MD
 Sample : N1517-05 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20994

Quant Time: Feb 16 04:08:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

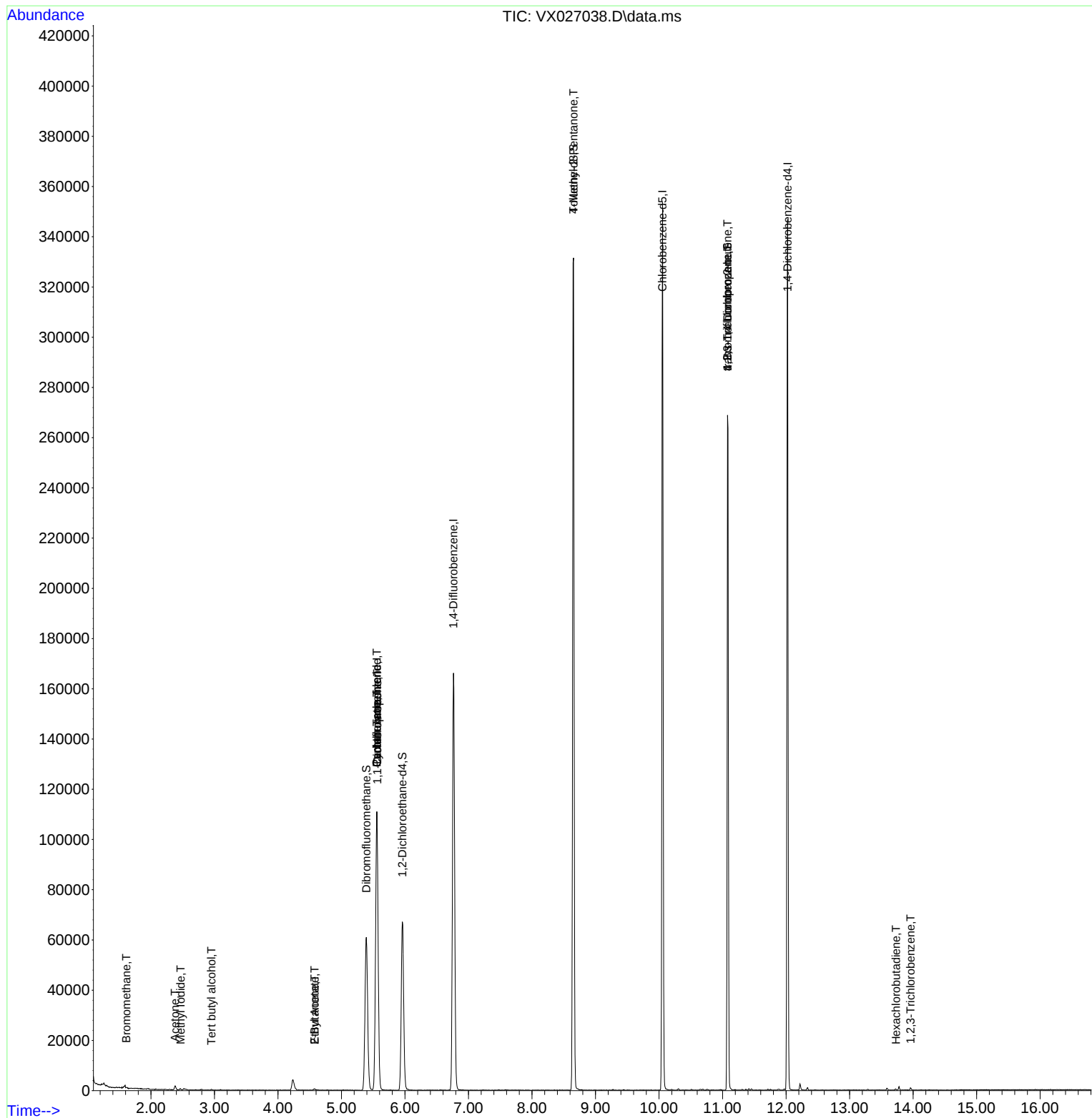
Internal Standards						
1) Pentafluorobenzene	5.556	168	104945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	173623	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66214	52.561	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.120%	
35) Dibromofluoromethane	5.391	113	54903	53.077	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.160%	
50) Toluene-d8	8.653	98	202042	53.211	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.420%	
62) 4-Bromofluorobenzene	11.079	95	75521	56.494	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.980%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	202	0.428	ug/l	94
10) Methyl Iodide	2.465	142	490	2.569	ug/l #	85
11) Tert butyl alcohol	2.953	59	213	0.936	ug/l #	75
16) Acetone	2.380	43	1900	3.434	ug/l	97
25) 2-Butanone	4.574	43	1030	1.155	ug/l	96
31) Cyclohexane	5.556	56	2094	1.046	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	7895	4.838	ug/l #	50
37) Ethyl Acetate	4.574	43	1030	0.555	ug/l #	69
38) Carbon Tetrachloride	5.556	117	10595	6.191	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	932	0.539	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	37711	24.112	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	37711	73.667	ug/l #	3
94) Hexachlorobutadiene	13.731	225	148	0.234	ug/l	88
96) 1,2,3-Trichlorobenzene	13.963	180	353	0.234	ug/l	93

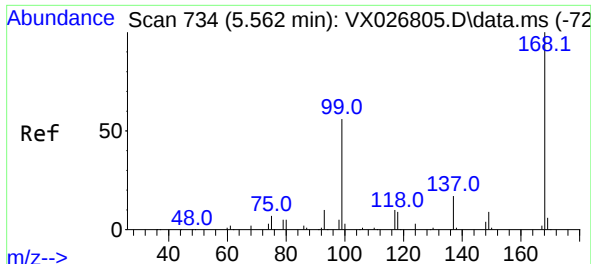
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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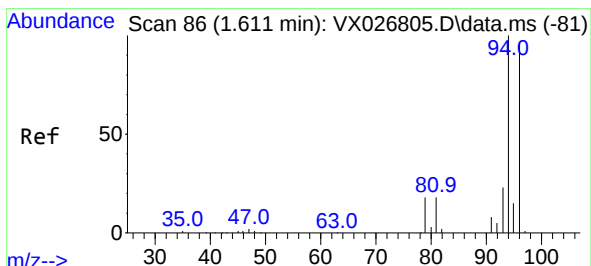
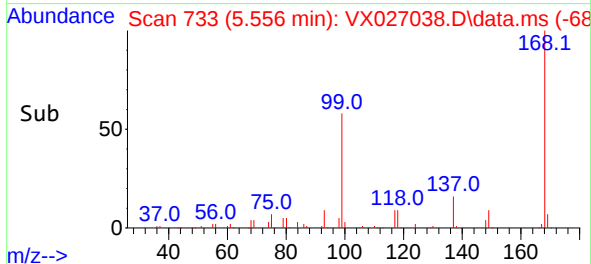
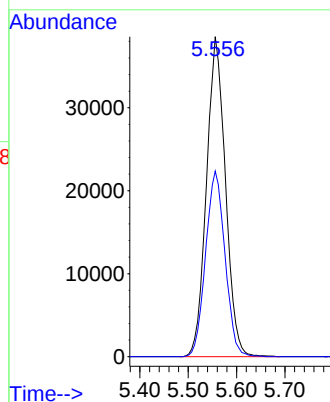
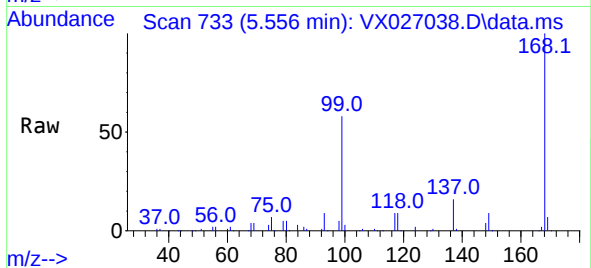




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

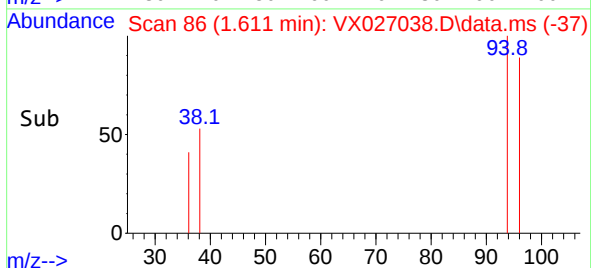
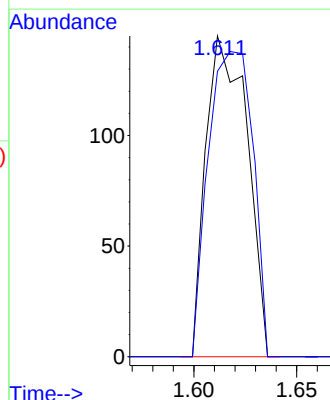
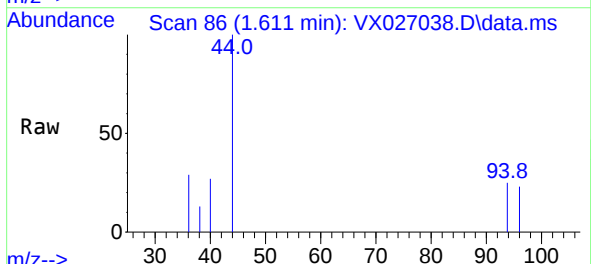
Instrument :
MSVOA_X
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20994

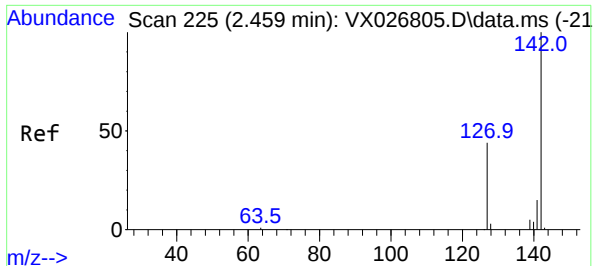
Tgt Ion:168 Resp: 104945
Ion Ratio Lower Upper
168 100
99 58.0 50.3 75.5



#5
Bromomethane
Concen: 0.428 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

Tgt Ion: 94 Resp: 202
Ion Ratio Lower Upper
94 100
96 89.0 75.9 113.9

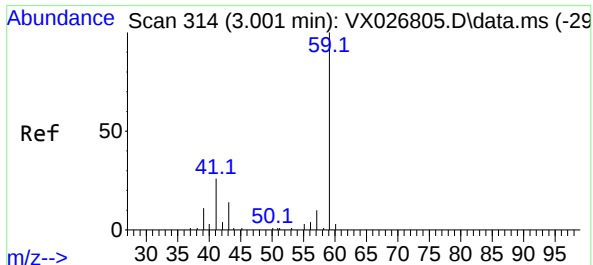
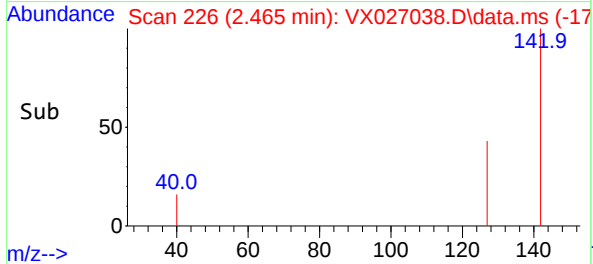
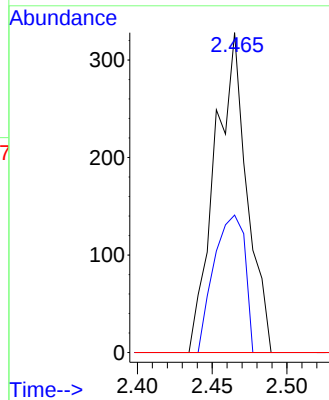
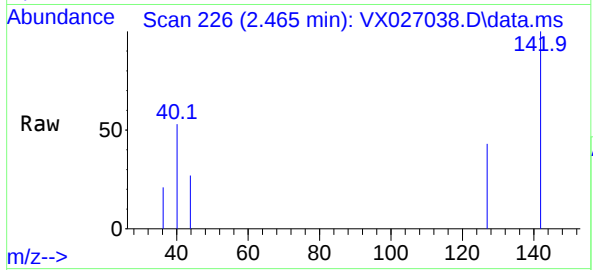




#10
Methyl Iodide
Concen: 2.569 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

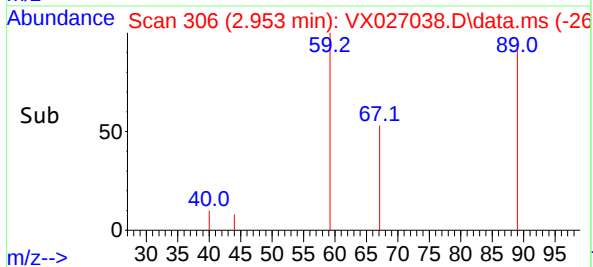
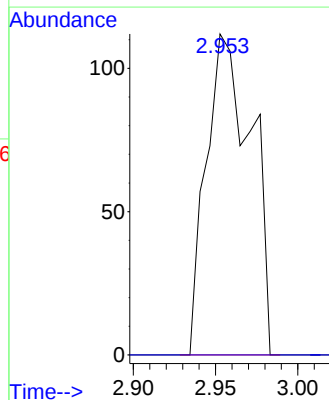
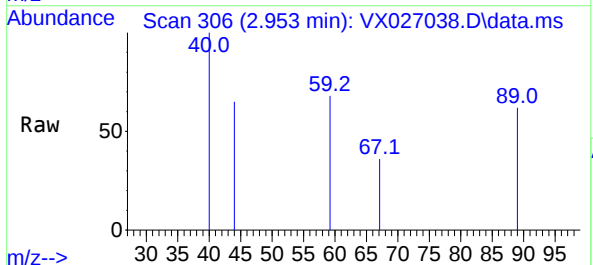
Instrument :
MSVOA_X
ClientSampleId :
20994

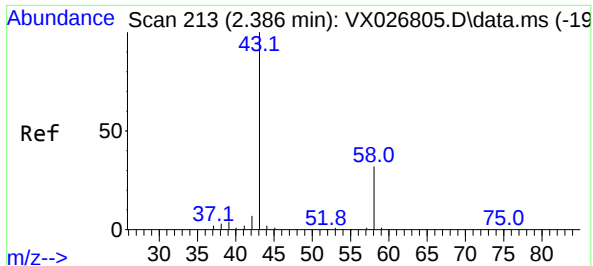
Tgt Ion:	142	Resp:	490
Ion	Ratio	Lower	Upper
142	100		
127	41.4	38.1	57.1
141	0.0	11.2	16.8#



#11
Tert butyl alcohol
Concen: 0.936 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.048 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

Tgt Ion:	59	Resp:	213
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.2	10.8#

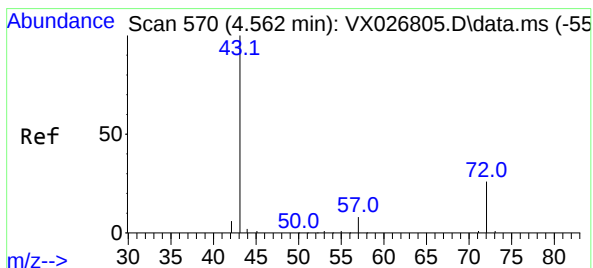
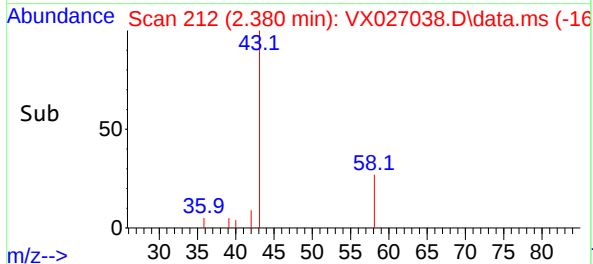
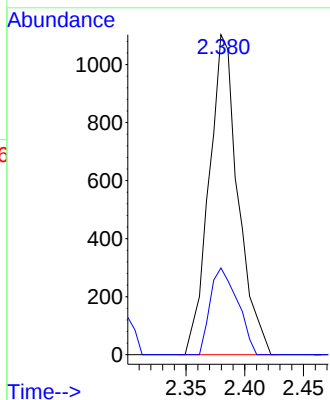
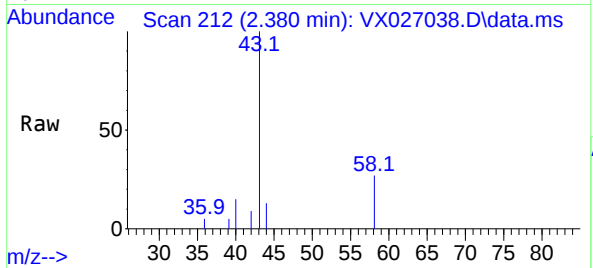




#16
Acetone
Concen: 3.434 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

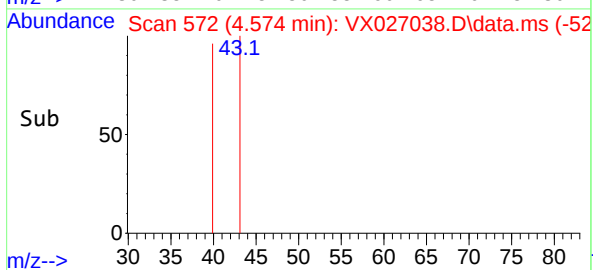
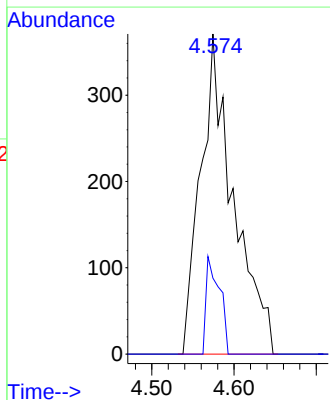
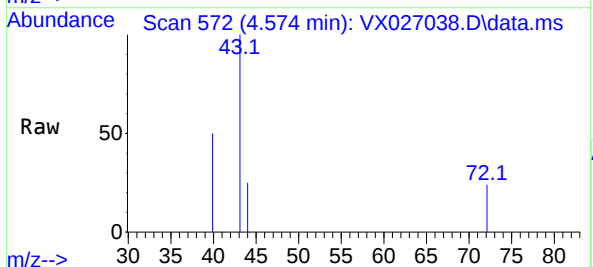
Instrument :
MSVOA_X
ClientSampleId :
20994

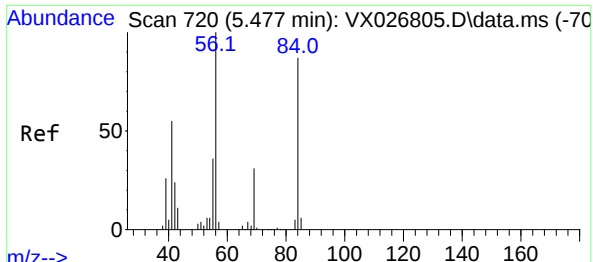
Tgt Ion: 43 Resp: 1900
Ion Ratio Lower Upper
43 100
58 27.1 23.0 34.6



#25
2-Butanone
Concen: 1.155 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

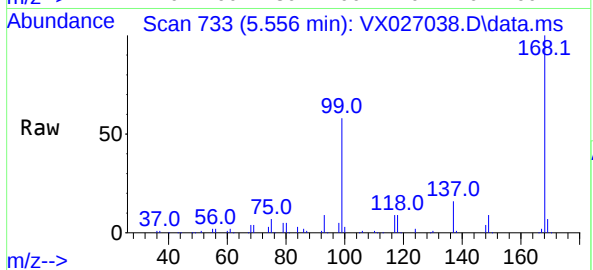
Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
72 23.7 20.4 30.6



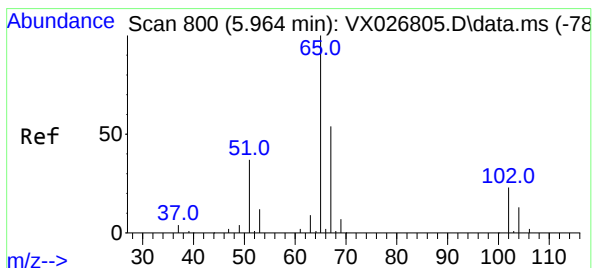
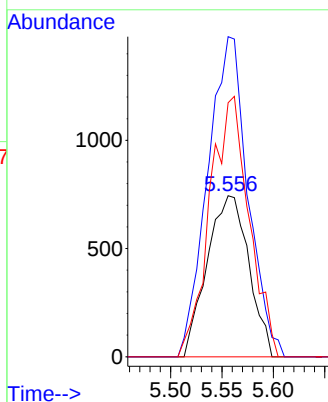
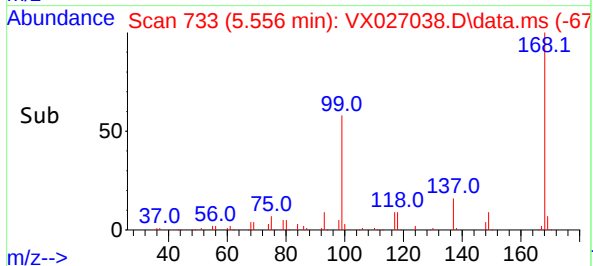


#31
Cyclohexane
Concen: 1.046 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

Instrument :
MSVOA_X
ClientSampleId :
20994

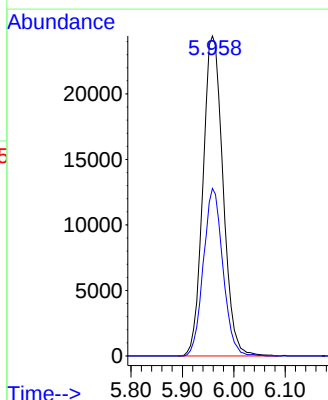
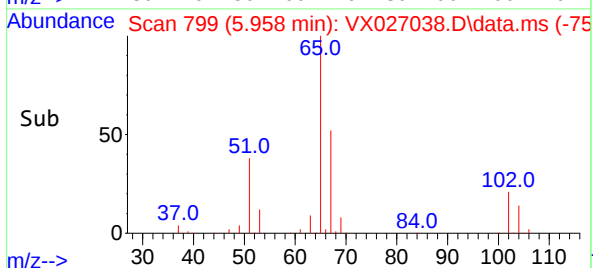
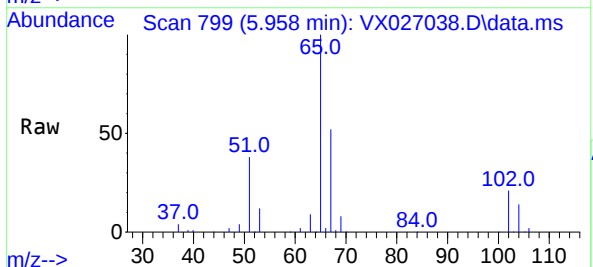


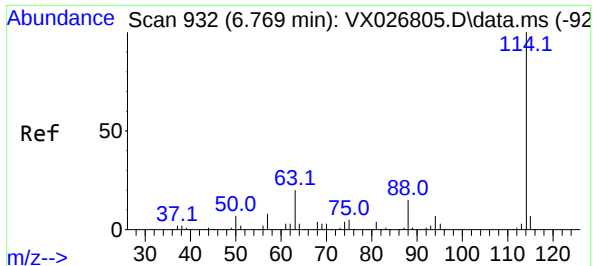
Tgt Ion: 56 Resp: 2094
Ion Ratio Lower Upper
56 100
69 198.8 25.8 38.6#
84 157.8 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 52.561 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

Tgt Ion: 65 Resp: 66214
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.8

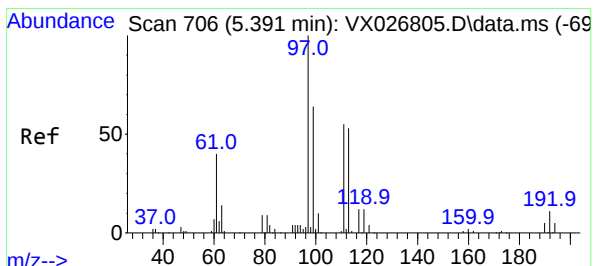
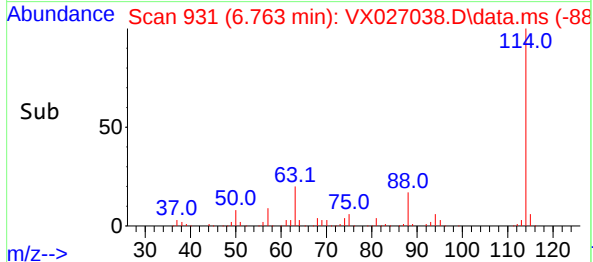
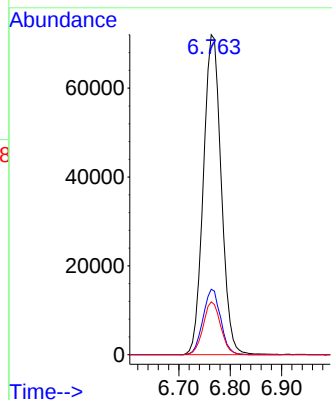
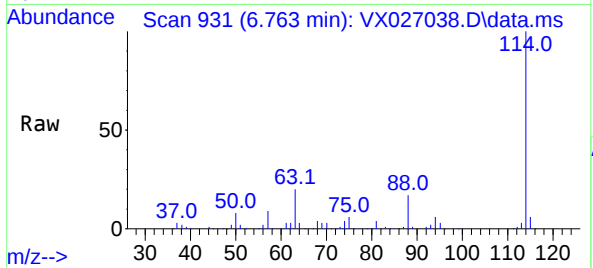




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

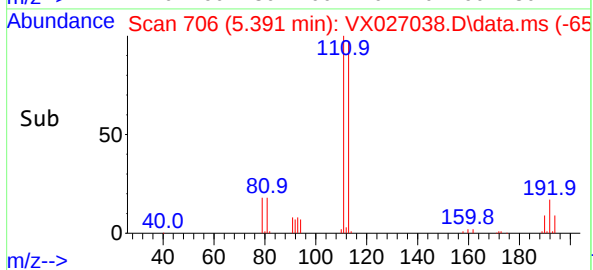
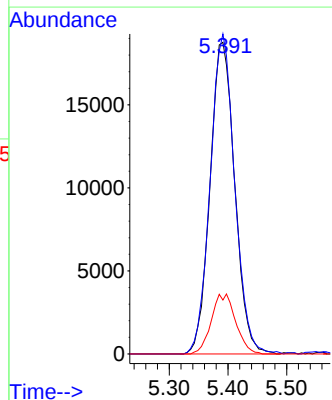
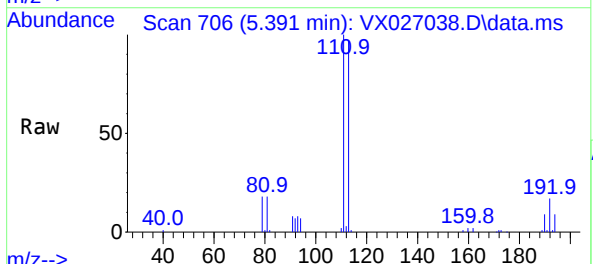
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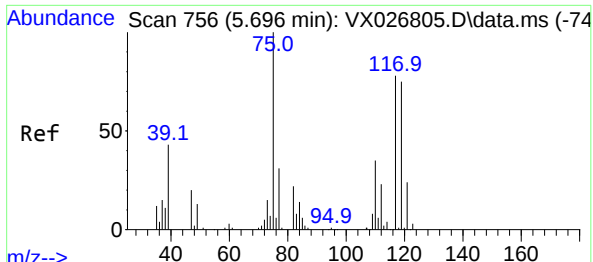
Tgt Ion:114 Resp: 173623
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.8
88 16.5 0.0 33.0



#35
Dibromofluoromethane
Concen: 53.077 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

Tgt Ion:113 Resp: 54903
Ion Ratio Lower Upper
113 100
111 101.6 81.2 121.8
192 19.0 15.0 22.4

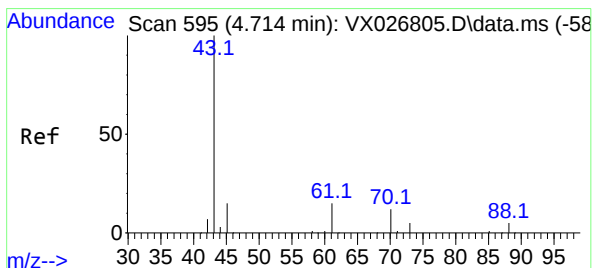
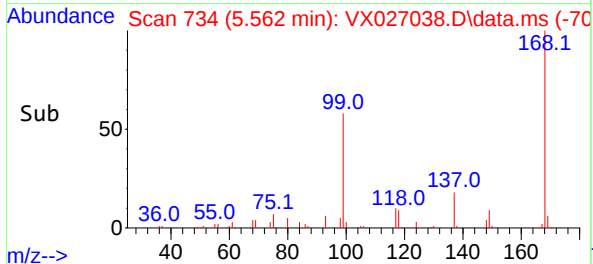
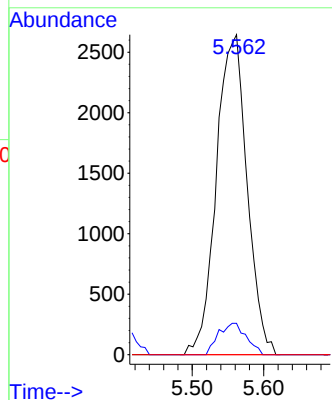
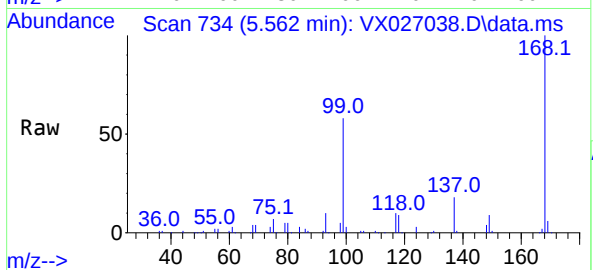




#36
1,1-Dichloropropene
Concen: 4.838 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

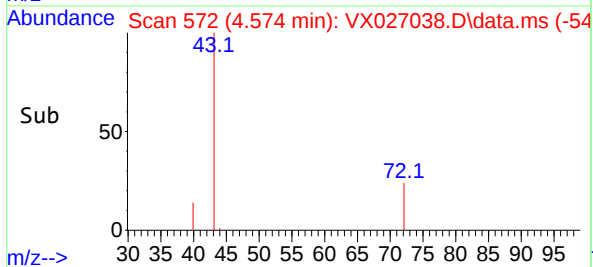
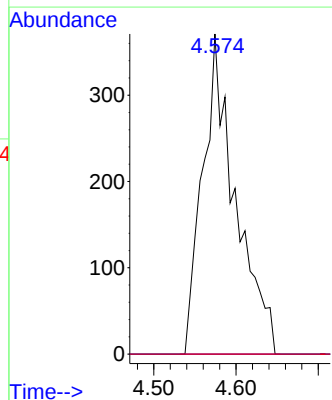
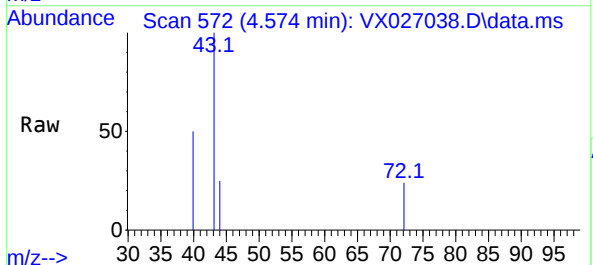
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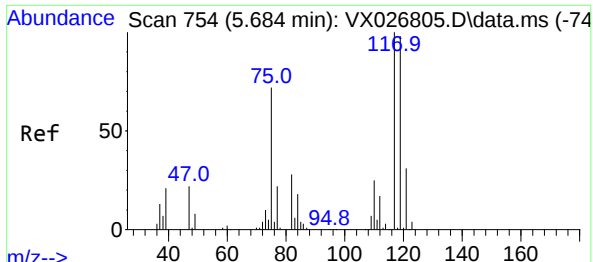
Tgt Ion: 75 Resp: 7895
Ion Ratio Lower Upper
75 100
110 8.9 17.2 51.6#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 0.555 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.140 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.5 12.7#

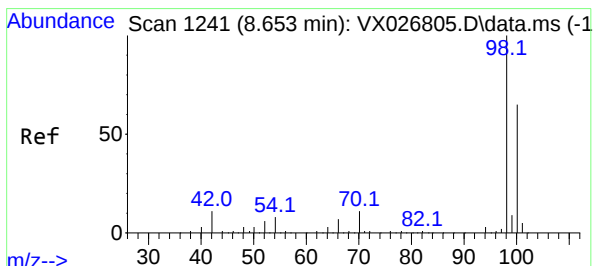
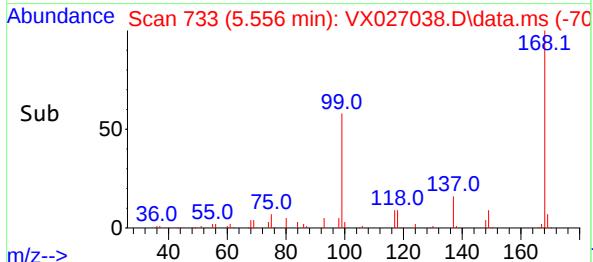
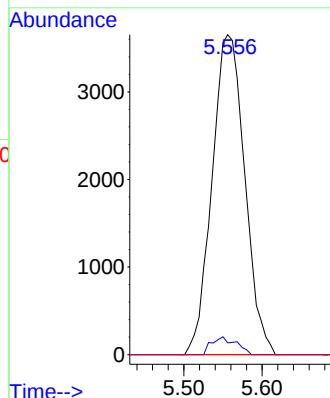
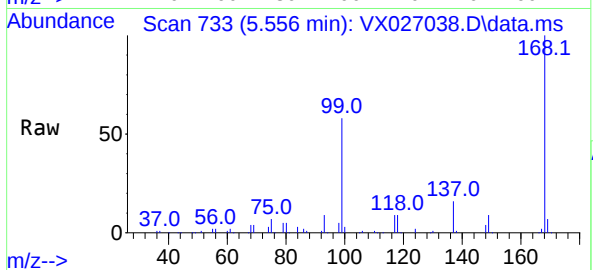




#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

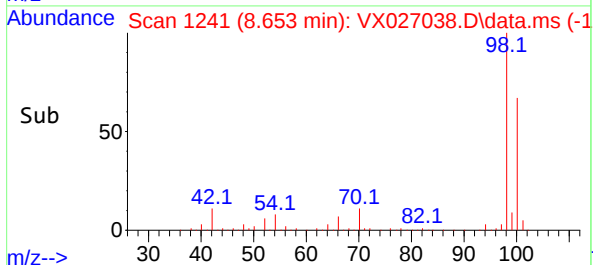
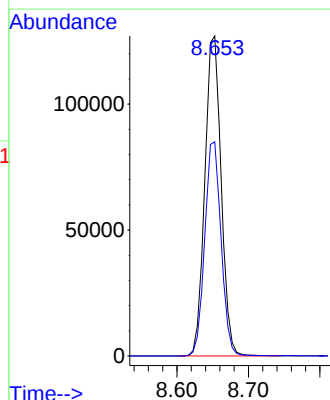
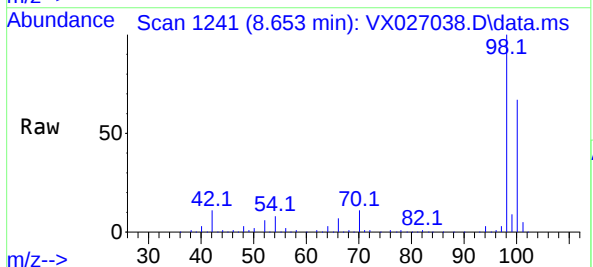
Instrument :
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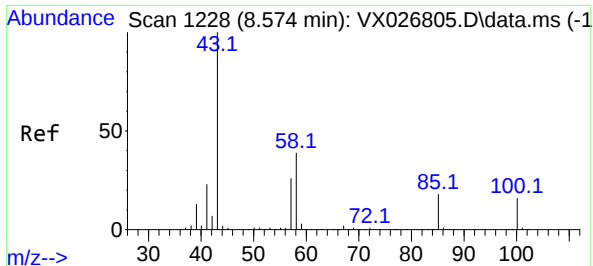
Tgt Ion:117 Resp: 10595
Ion Ratio Lower Upper
117 100
119 3.7 74.7 112.1#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 53.211 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

Tgt Ion: 98 Resp: 202042
Ion Ratio Lower Upper
98 100
100 66.8 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 0.539 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX027038.D

Acq: 15 Feb 2022 18:53

Instrument :

MSVOA_X

ClientSampleId :

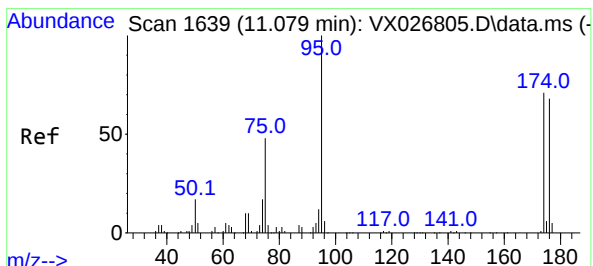
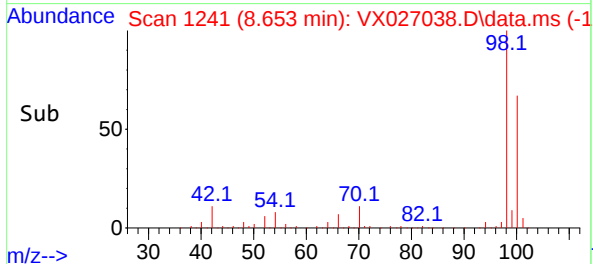
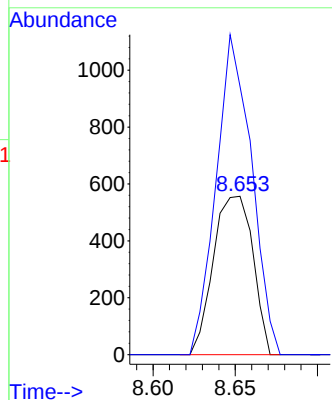
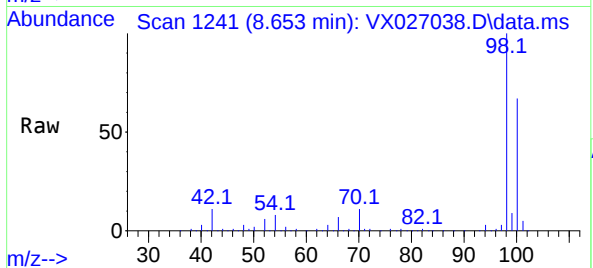
20994

Tgt Ion: 43 Resp: 932

Ion Ratio Lower Upper

43 100

58 180.9 30.5 45.7#



#62

4-Bromofluorobenzene

Concen: 56.494 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX027038.D

Acq: 15 Feb 2022 18:53

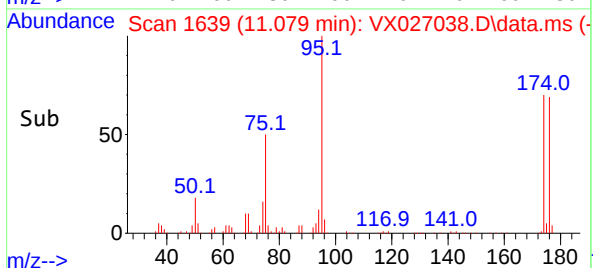
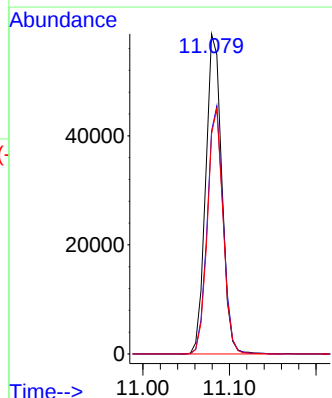
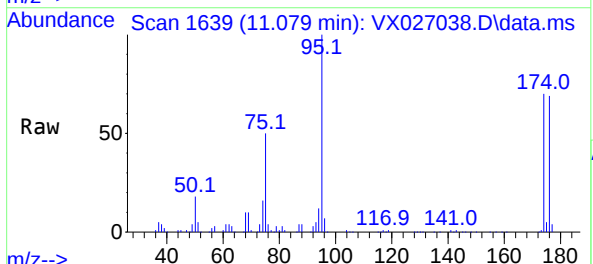
Tgt Ion: 95 Resp: 75521

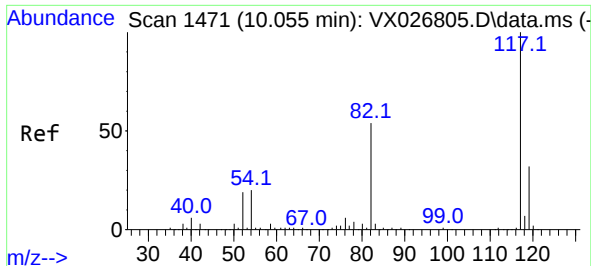
Ion Ratio Lower Upper

95 100

174 76.5 0.0 148.6

176 74.2 0.0 141.4

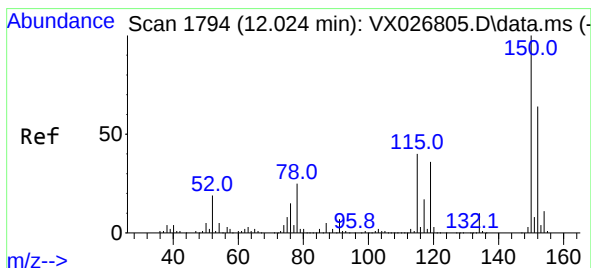
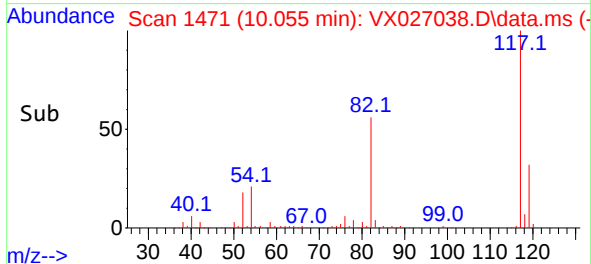
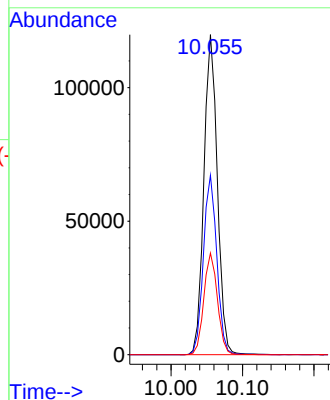
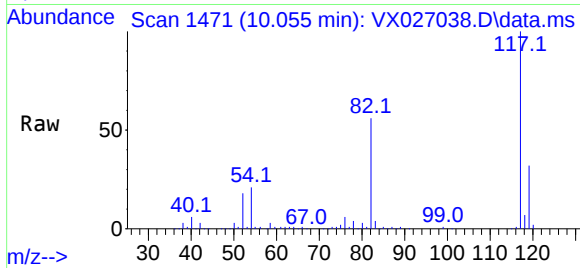




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

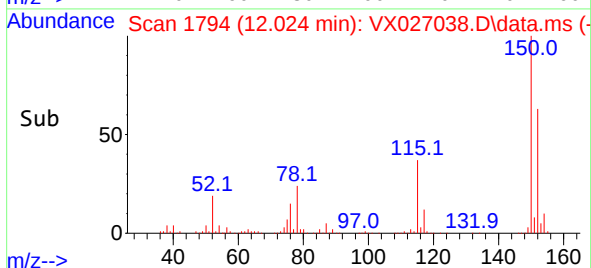
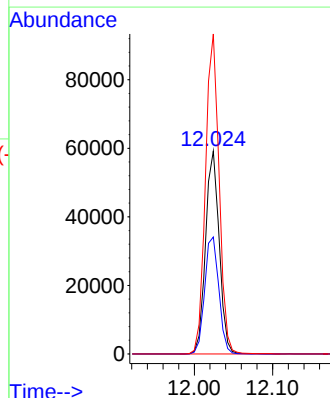
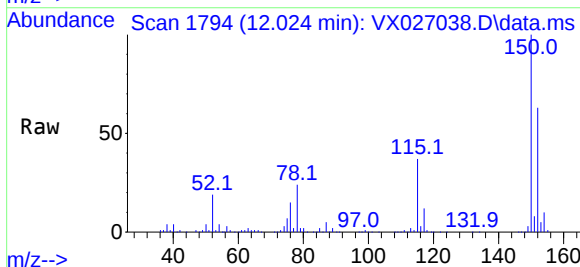
Instrument :
MSVOA_X
ClientSampleId :
20994

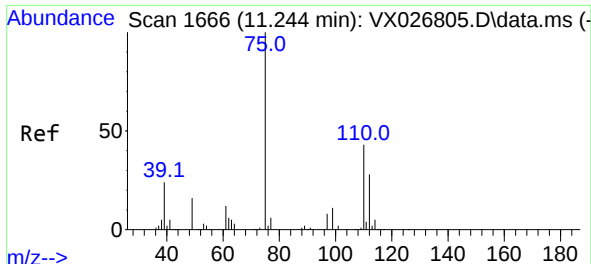
Tgt Ion:117 Resp: 156695
Ion Ratio Lower Upper
117 100
82 56.0 45.2 67.8
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

Tgt Ion:152 Resp: 71447
Ion Ratio Lower Upper
152 100
115 59.9 44.2 132.6
150 157.5 0.0 348.2

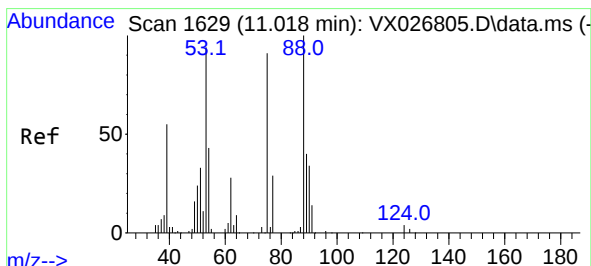
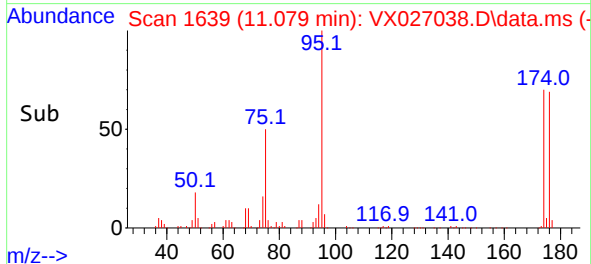
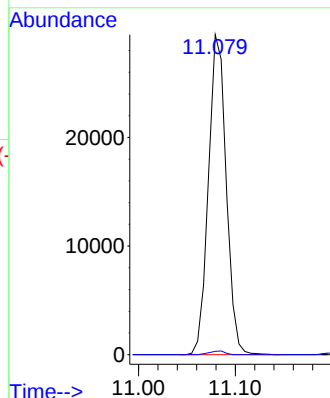
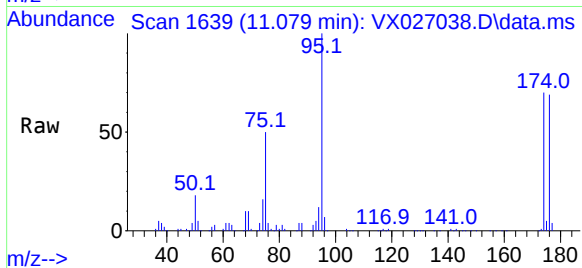




#76
1,2,3-Trichloropropane
Concen: 24.112 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

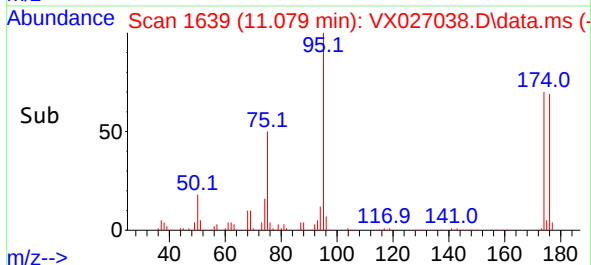
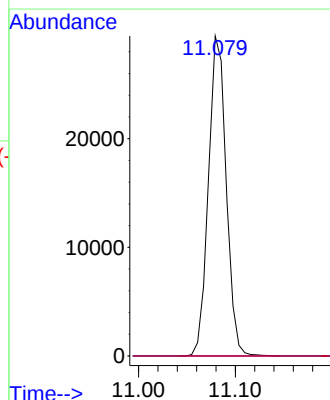
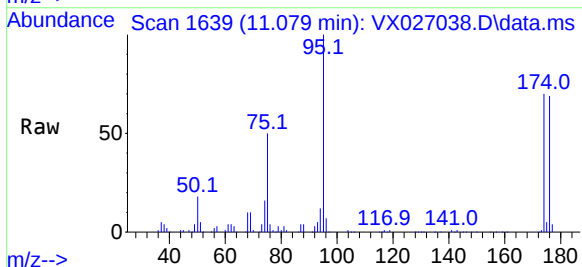
Instrument :
MSVOA_X
ClientSampleId :
20994

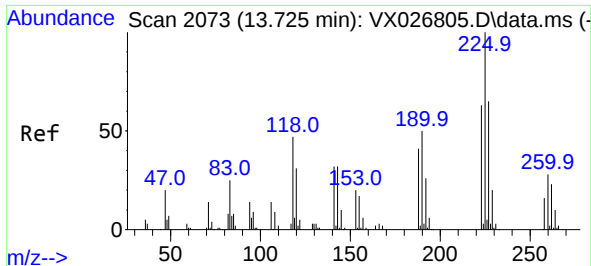
Tgt Ion: 75 Resp: 37711
Ion Ratio Lower Upper
75 100
77 1.0 18.3 54.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.667 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

Tgt Ion: 75 Resp: 37711
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



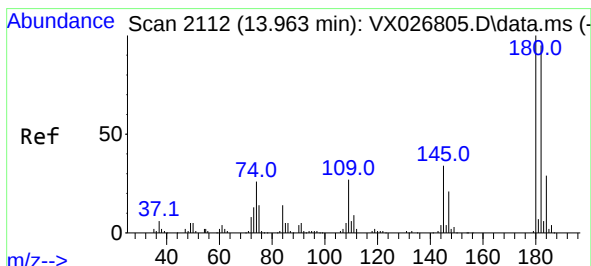
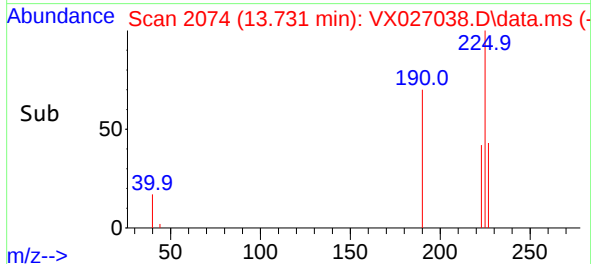
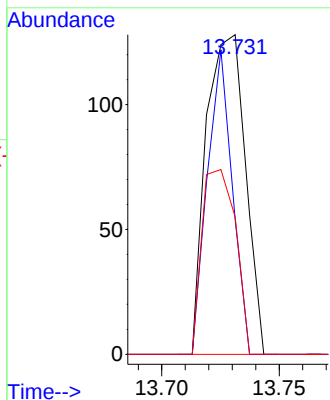
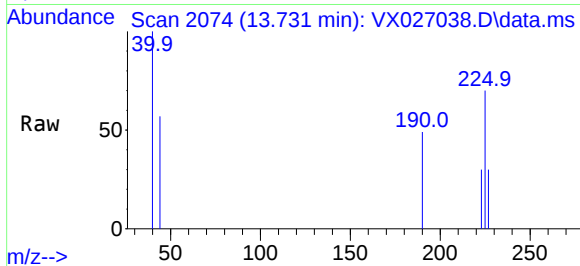


#94
Hexachlorobutadiene
Concen: 0.234 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

Instrument :
MSVOA_X
ClientSampleId :
20994

Tgt Ion:225 Resp: 148

Ion	Ratio	Lower	Upper
225	100		
223	60.8	32.0	96.0
227	49.3	32.3	96.9



#96
1,2,3-Trichlorobenzene
Concen: 0.234 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX027038.D
Acq: 15 Feb 2022 18:53

Tgt Ion:180 Resp: 353

Ion	Ratio	Lower	Upper
180	100		
182	89.5	47.2	141.6
145	26.9	17.5	52.5

