

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052622\
 Data File : VX028994.D
 Acq On : 26 May 2022 13:19
 Operator : JC/MD
 Sample : N2983-05DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 04BR-20220520DL

Quant Time: May 27 07:32:47 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)

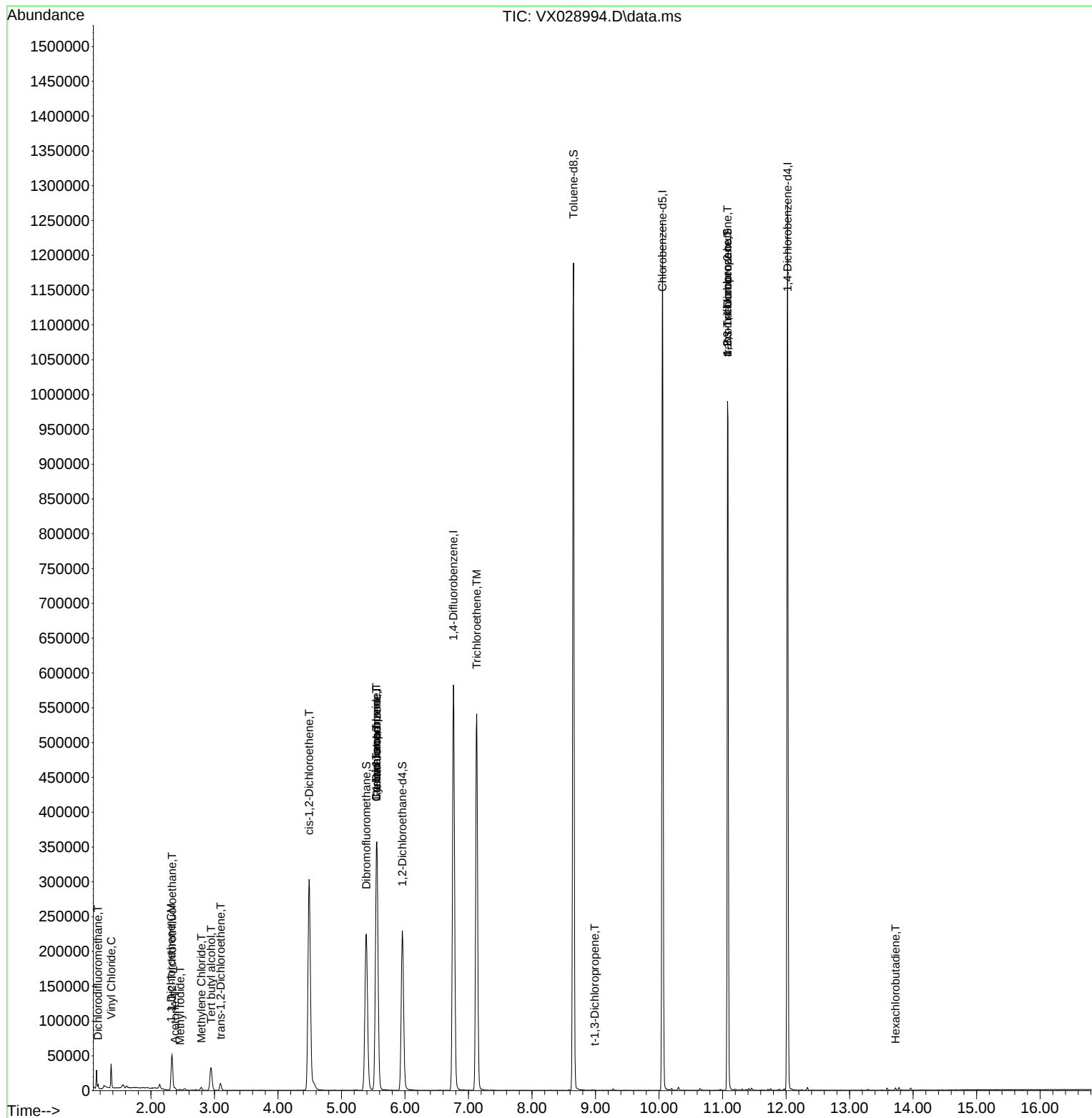
Internal Standards						
1) Pentafluorobenzene	5.556	168	341312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	609485	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	572705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	261391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	226348	48.379	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.760%
35) Dibromofluoromethane	5.391	113	200571	50.227	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.460%
50) Toluene-d8	8.653	98	714633	47.467	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.940%
62) 4-Bromofluorobenzene	11.079	95	275887	49.062	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2735	0.612	ug/l	94
4) Vinyl Chloride	1.374	62	20113	4.434	ug/l	98
5) Bromomethane	1.611	94	1314	Below Cal		84
6) Chloroethane	1.678	64	729	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	18685	4.910	ug/l	97
10) Methyl Iodide	2.459	142	1417	0.311	ug/l	95
11) Tert butyl alcohol	2.946	59	19334	11.872	ug/l	# 76
12) 1,1-Dichloroethene	2.319	96	2681	0.759	ug/l	93
16) Acetone	2.380	43	3618	1.802	ug/l	93
20) Methylene Chloride	2.794	84	1867	0.443	ug/l	# 91
21) trans-1,2-Dichloroethene	3.099	96	4216	1.060	ug/l	89
27) cis-1,2-Dichloroethene	4.489	96	201306	43.318	ug/l	88
31) Cyclohexane	5.550	56	6500	1.001	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	26481	4.415	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	35708	5.916	ug/l	# 17
44) Trichloroethene	7.129	130	218017	46.635	ug/l	96
53) t-1,3-Dichloropropene	8.988	75	219	1.672	ug/l	# 43
76) 1,2,3-Trichloropropane	11.079	75	137385	22.443	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	137385	65.640	ug/l	# 15
94) Hexachlorobutadiene	13.725	225	585	0.276	ug/l	87

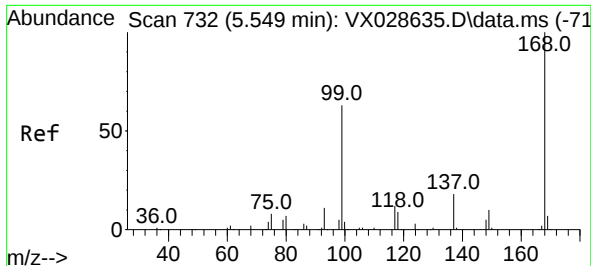
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

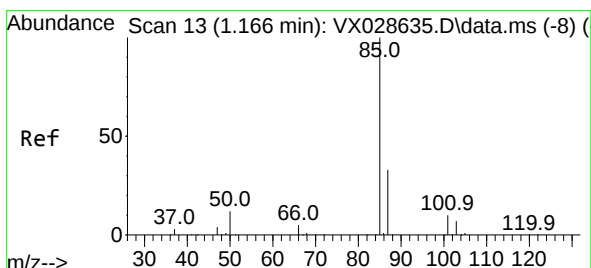
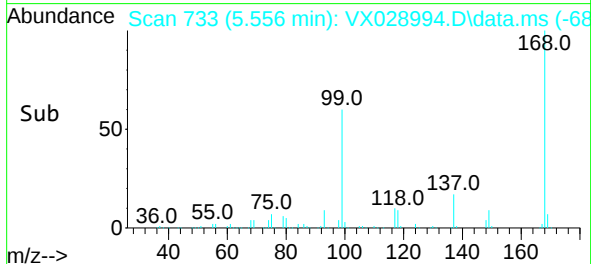
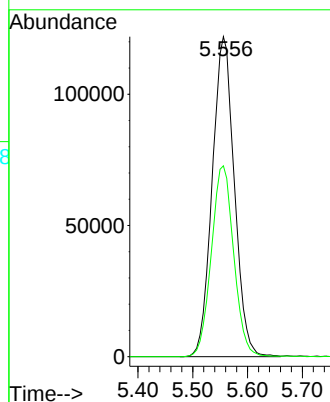
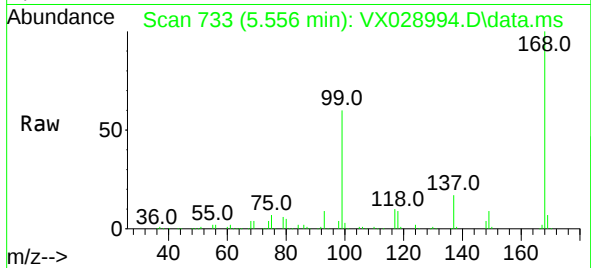




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

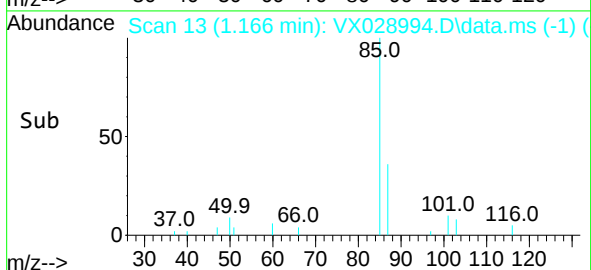
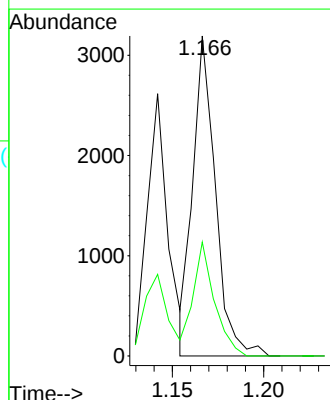
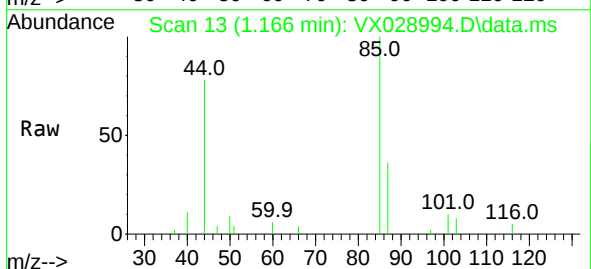
Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520DL

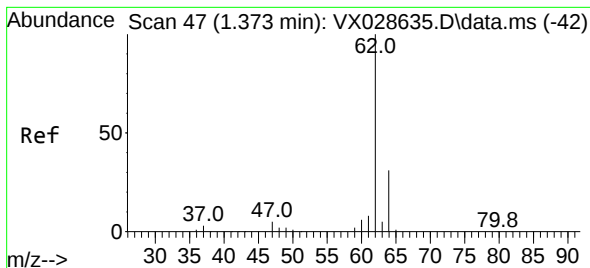
Tgt Ion:168 Resp: 341312
Ion Ratio Lower Upper
168 100
99 59.6 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.612 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

Tgt Ion: 85 Resp: 2735
Ion Ratio Lower Upper
85 100
87 35.6 16.2 48.6

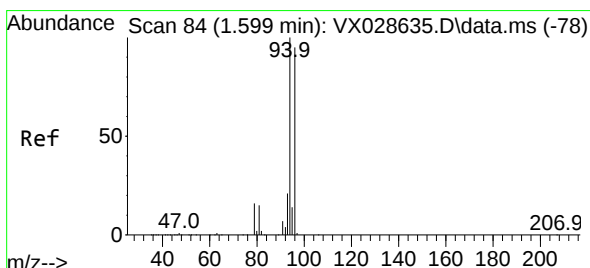
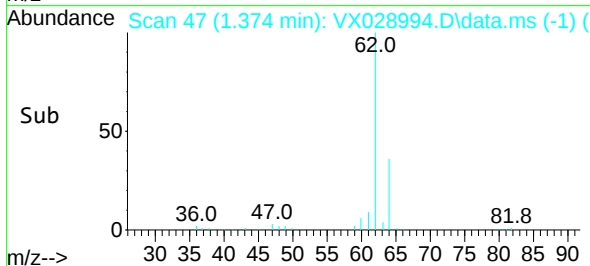
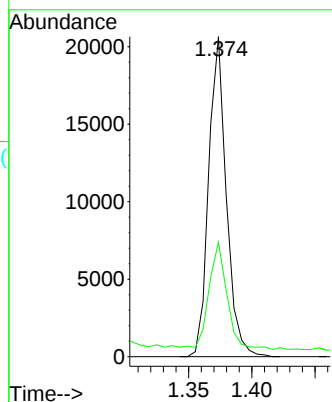
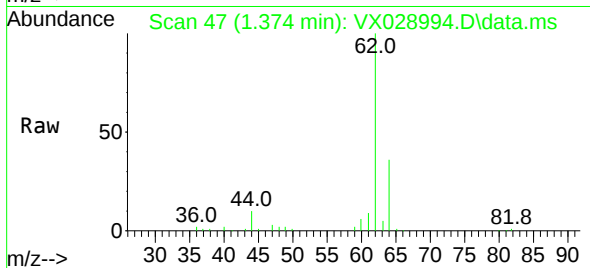




#4
 Vinyl Chloride
 Concen: 4.434 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VX028994.D
 Acq: 26 May 2022 13:19

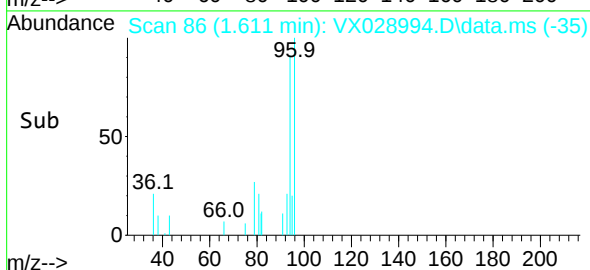
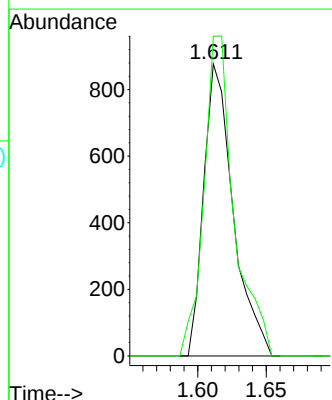
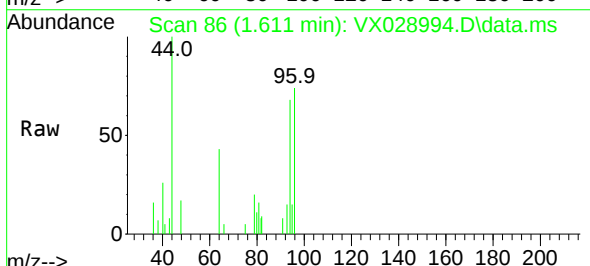
Instrument :
 MSVOA_X
 ClientSampleId :
 04BR-20220520DL

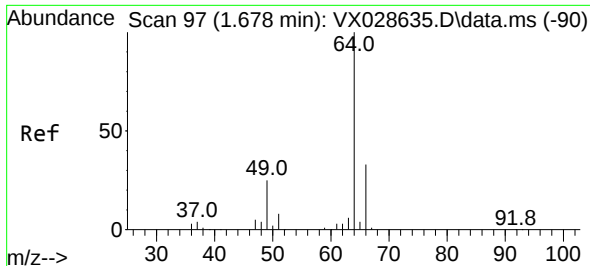
Tgt Ion: 62 Resp: 20113
 Ion Ratio Lower Upper
 62 100
 64 33.0 25.5 38.3



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX028994.D
 Acq: 26 May 2022 13:19

Tgt Ion: 94 Resp: 1314
 Ion Ratio Lower Upper
 94 100
 96 109.5 75.3 112.9

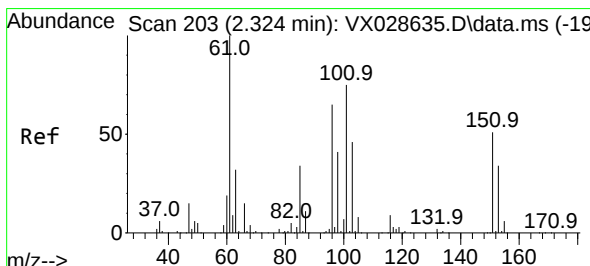
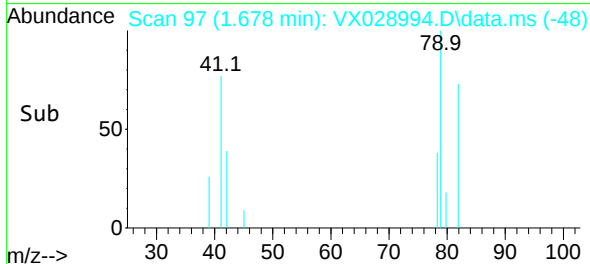
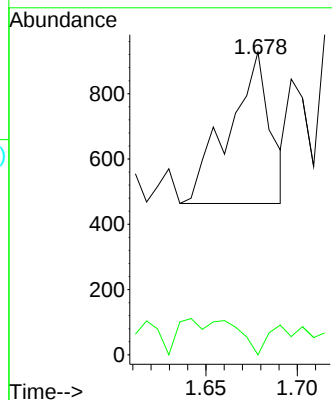
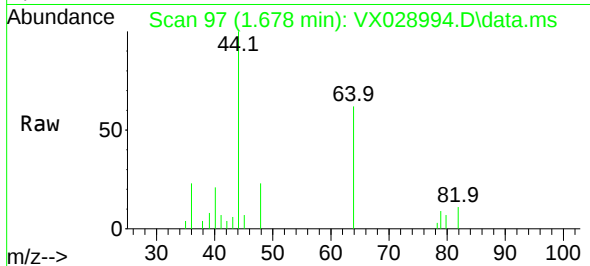




#6
Chloroethane
Concen: Below Cal
RT: 1.678 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

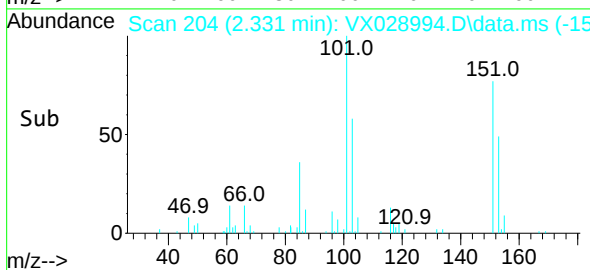
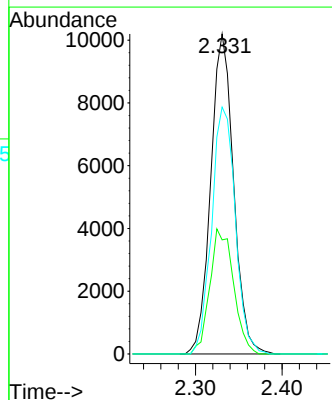
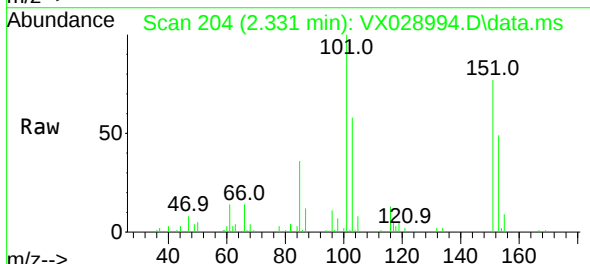
Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520DL

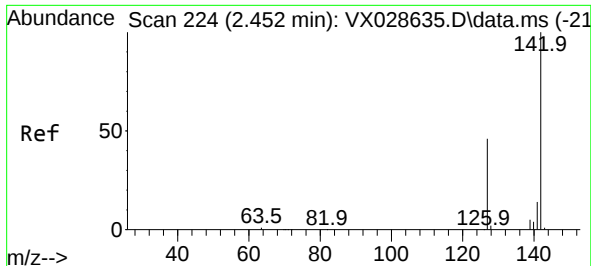
Tgt Ion: 64 Resp: 729
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.910 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.007 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

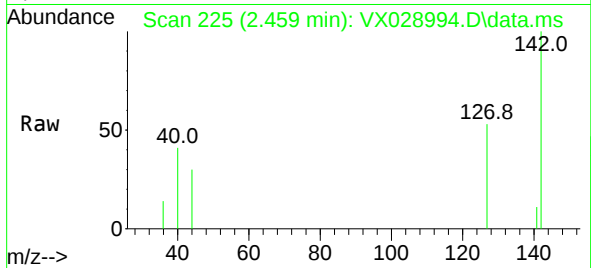
Tgt Ion:101 Resp: 18685
Ion Ratio Lower Upper
101 100
85 40.6 33.5 50.3
151 79.9 61.8 92.6



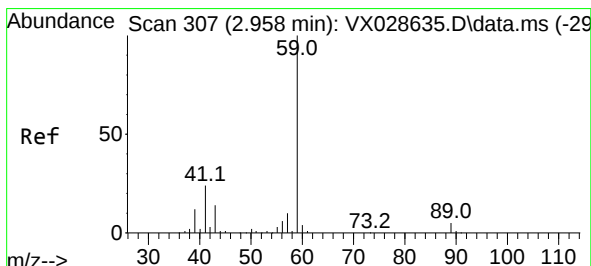
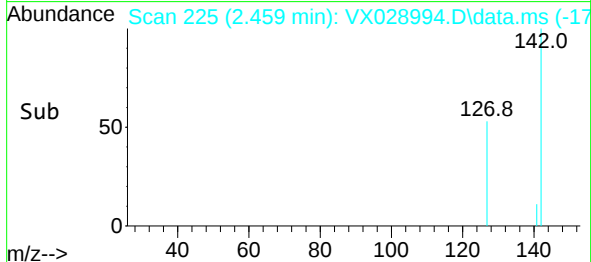
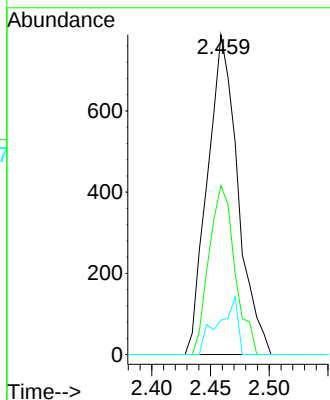


#10
Methyl Iodide
Concen: 0.311 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520DL

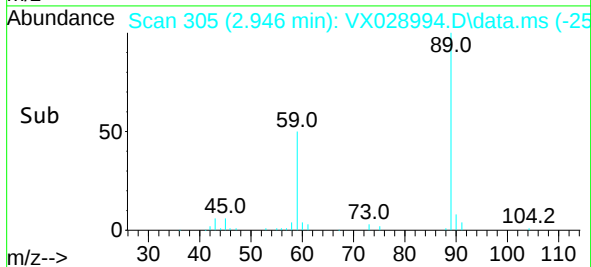
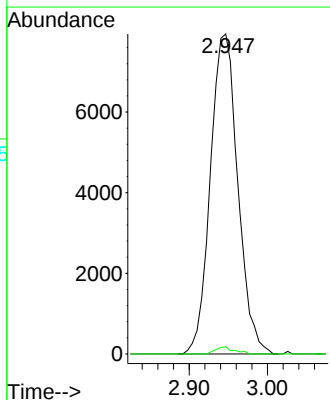
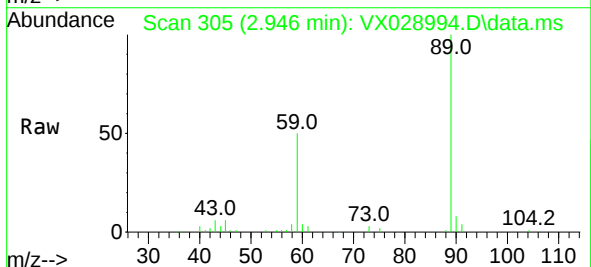


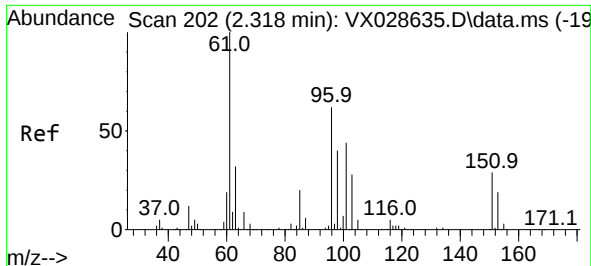
Tgt Ion:142 Resp: 1417
Ion Ratio Lower Upper
142 100
127 45.1 33.9 50.9
141 11.6 11.4 17.2



#11
Tert butyl alcohol
Concen: 11.872 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

Tgt Ion: 59 Resp: 19334
Ion Ratio Lower Upper
59 100
57 1.5 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.759 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.001 min

Lab File: VX028994.D

Acq: 26 May 2022 13:19

Instrument :

MSVOA_X

ClientSampleId :

04BR-20220520DL

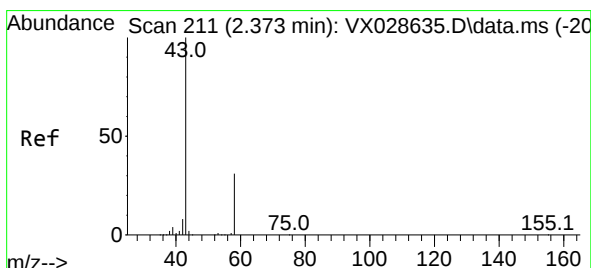
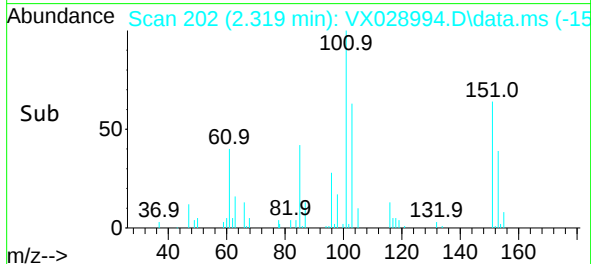
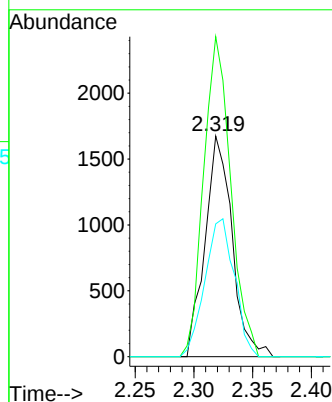
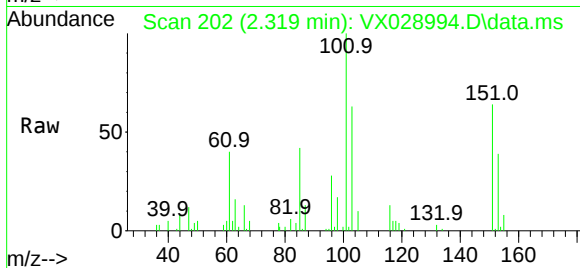
Tgt Ion: 96 Resp: 2681

Ion Ratio Lower Upper

96 100

61 145.0 124.6 187.0

98 60.2 51.0 76.4



#16

Acetone

Concen: 1.802 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX028994.D

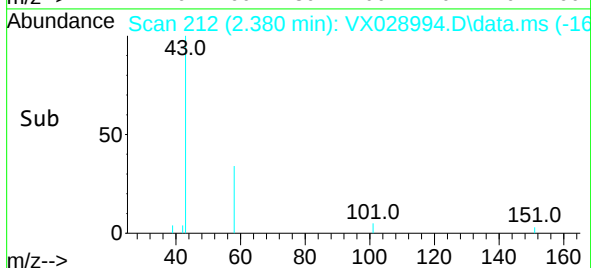
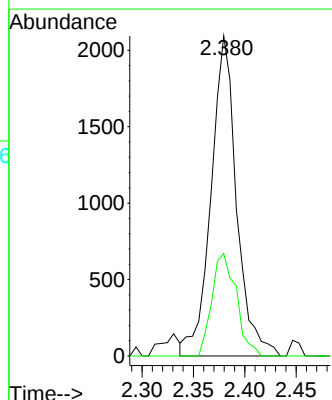
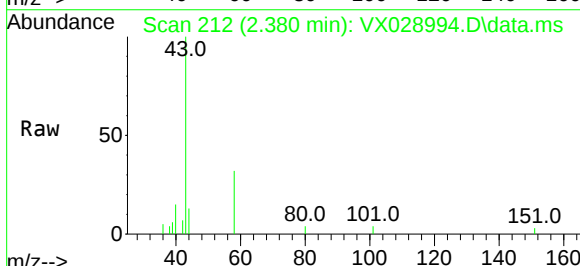
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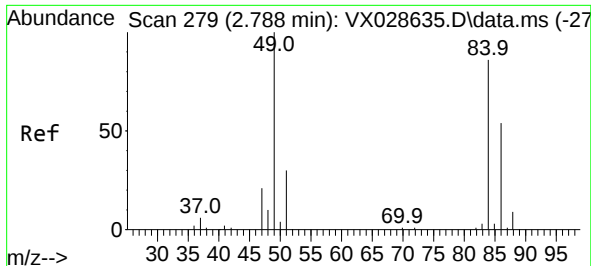
Tgt Ion: 43 Resp: 3618

Ion Ratio Lower Upper

43 100

58 32.0 28.8 43.2

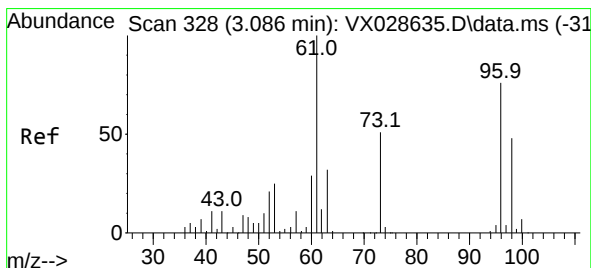
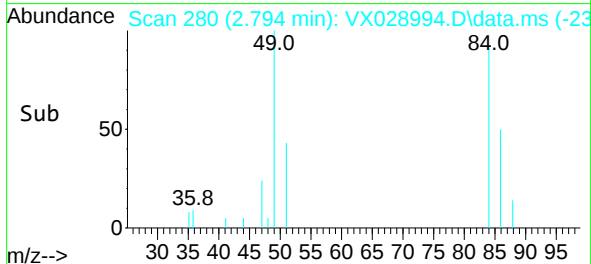
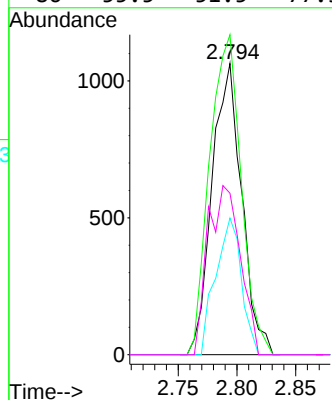
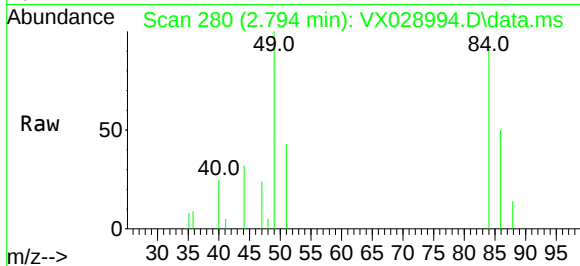




#20
Methylene Chloride
Concen: 0.443 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

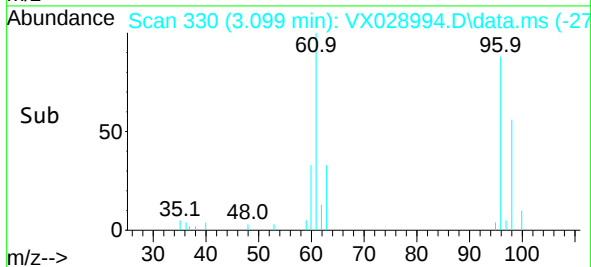
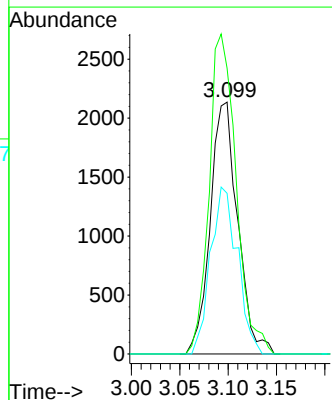
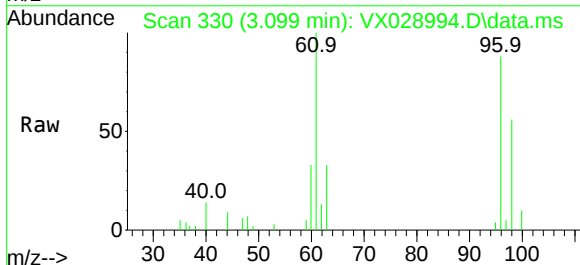
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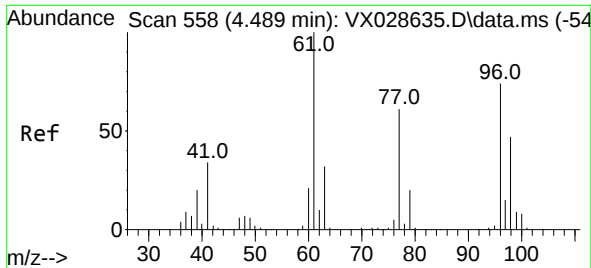
Tgt Ion: 84	Resp: 1867
Ion Ratio	Lower Upper
84 100	
49 109.9	85.5 128.3
51 46.9	26.6 39.8#
86 55.5	51.5 77.3



#21
trans-1,2-Dichloroethene
Concen: 1.060 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.013 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

Tgt Ion: 96	Resp: 4216		
Ion Ratio	Lower	Upper	
96	100		
61	113.5	105.4	158.2
98	63.8	50.0	75.0





#27

cis-1,2-Dichloroethene

Concen: 43.318 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX028994.D

Acq: 26 May 2022 13:19

Instrument :

MSVOA_X

ClientSampleId :

04BR-20220520DL

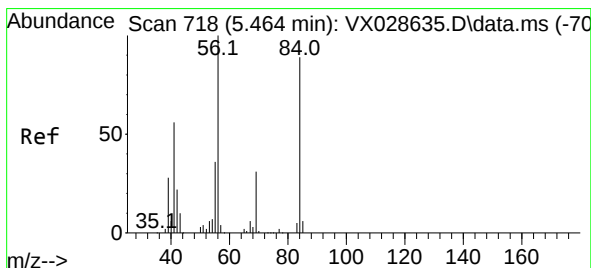
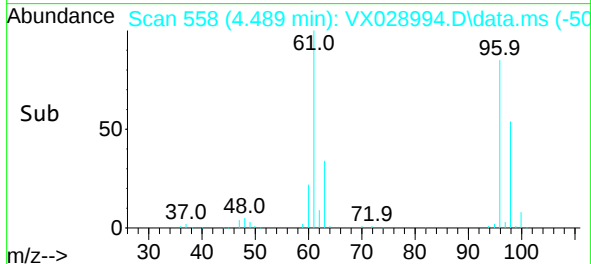
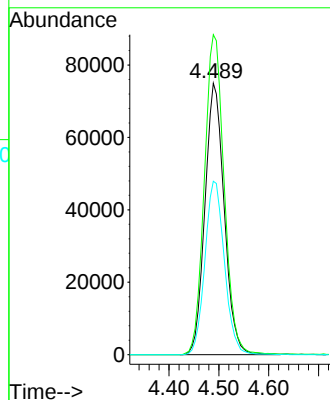
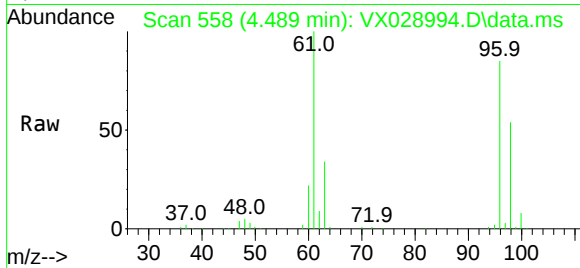
Tgt Ion: 96 Resp: 201306

Ion Ratio Lower Upper

96 100

61 120.8 0.0 283.8

98 64.8 0.0 129.8



#31

Cyclohexane

Concen: 1.001 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.086 min

Lab File: VX028994.D

Acq: 26 May 2022 13:19

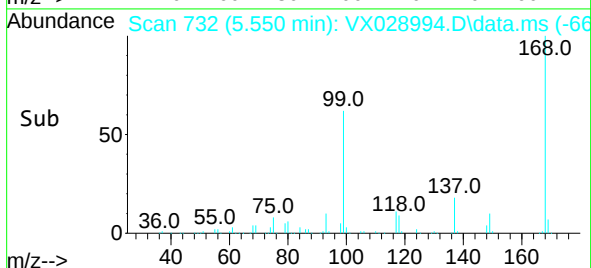
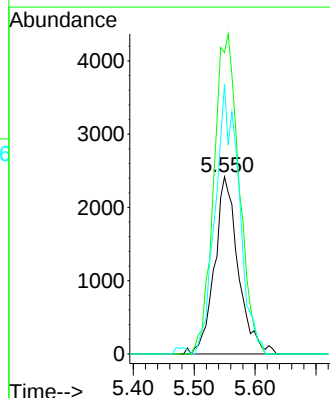
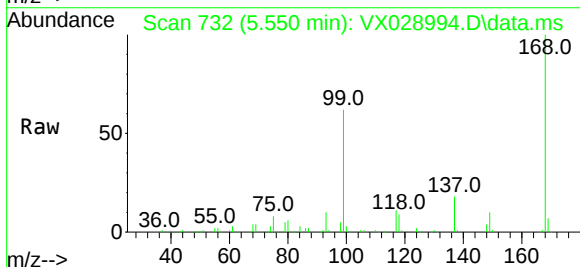
Tgt Ion: 56 Resp: 6500

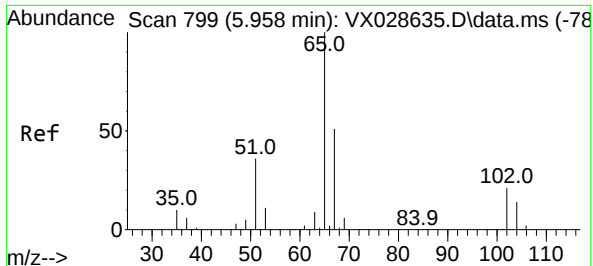
Ion Ratio Lower Upper

56 100

69 170.2 26.7 40.1#

84 152.1 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 48.379 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028994.D

Acq: 26 May 2022 13:19

Instrument :

MSVOA_X

ClientSampleId :

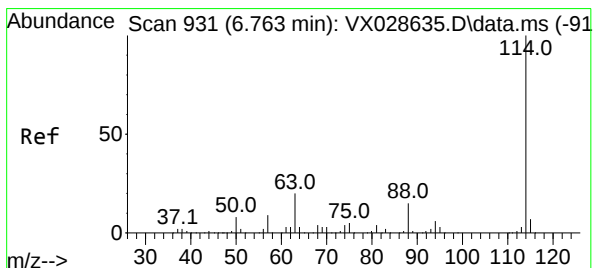
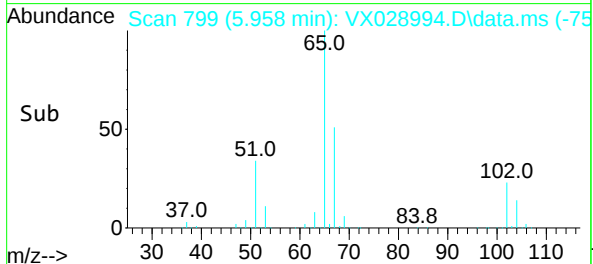
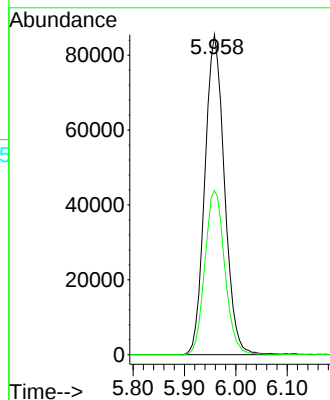
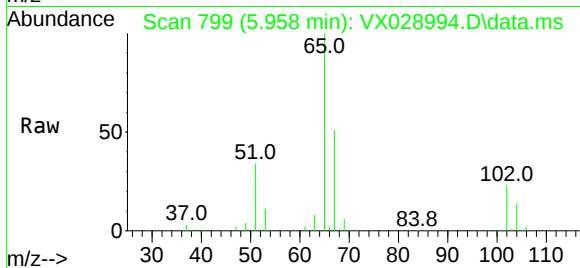
04BR-20220520DL

Tgt Ion: 65 Resp: 226348

Ion Ratio Lower Upper

65 100

67 52.1 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: VX028994.D

Acq: 26 May 2022 13:19

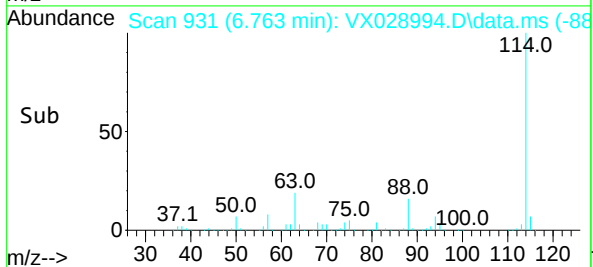
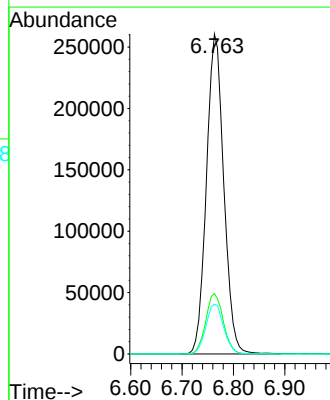
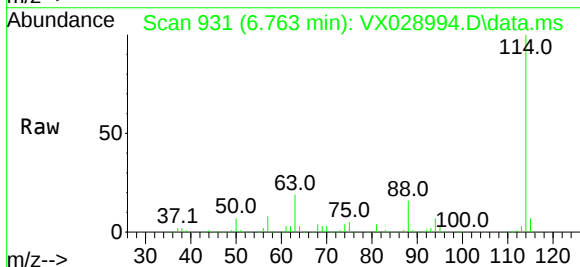
Tgt Ion: 114 Resp: 609485

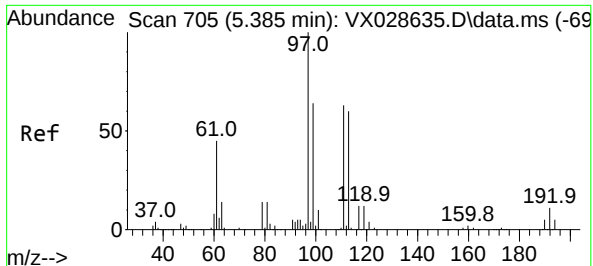
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.8

88 15.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.227 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028994.D

Acq: 26 May 2022 13:19

Instrument :

MSVOA_X

ClientSampleId :

04BR-20220520DL

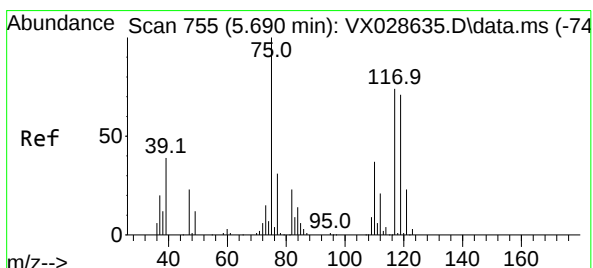
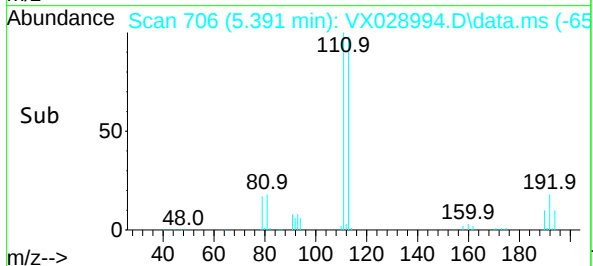
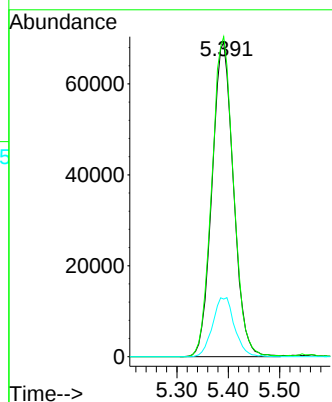
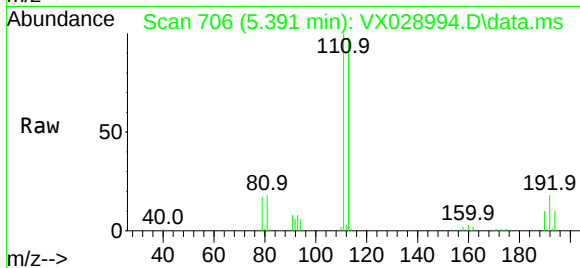
Tgt Ion:113 Resp: 200571

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 19.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.415 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX028994.D

Acq: 26 May 2022 13:19

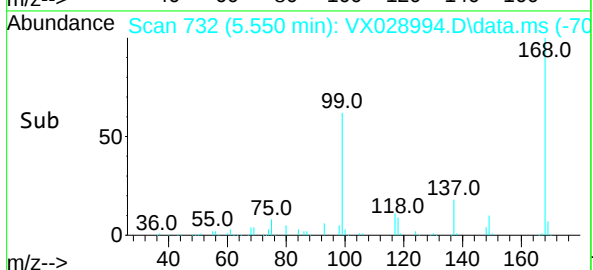
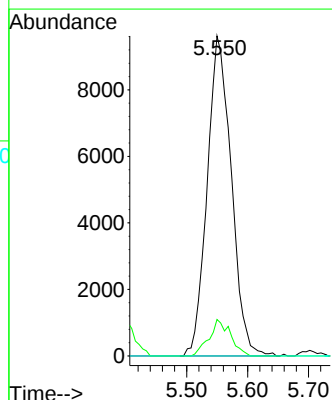
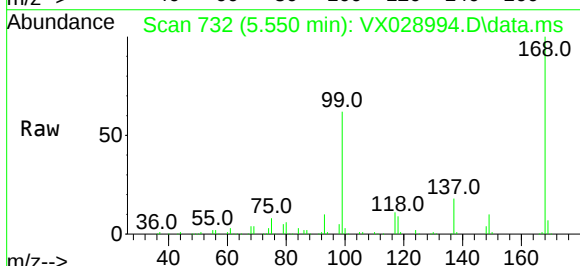
Tgt Ion: 75 Resp: 26481

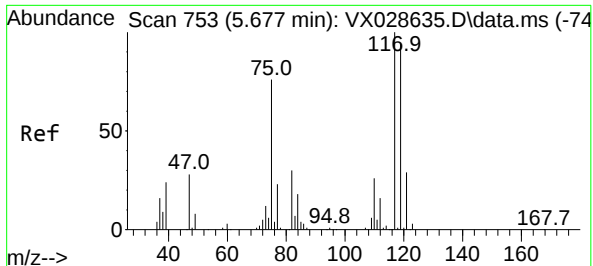
Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.8#

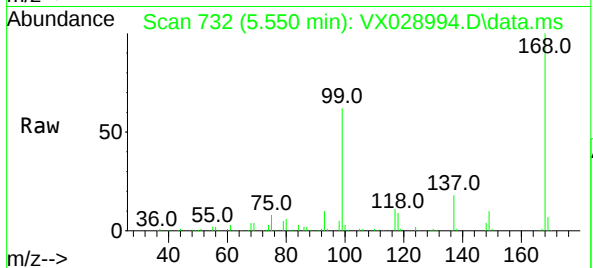
77 0.0 24.8 37.2#



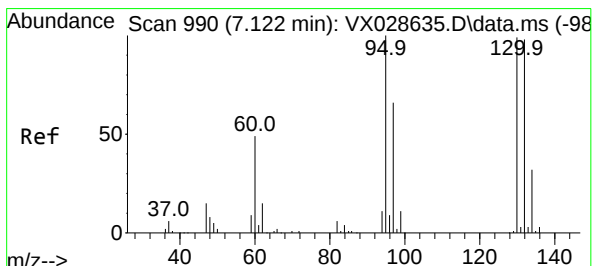
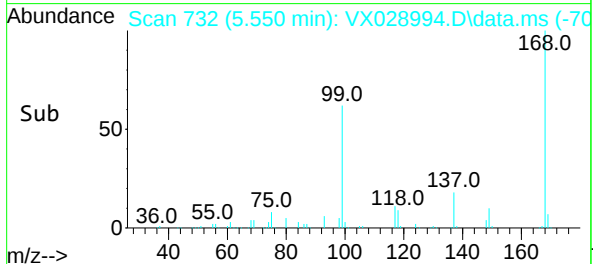
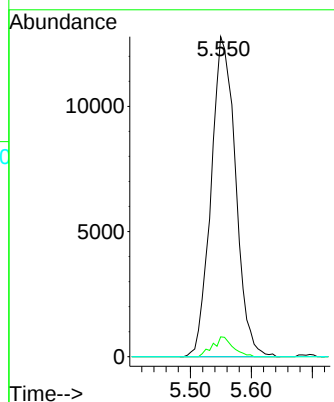


#38
Carbon Tetrachloride
Concen: 5.916 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.127 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520DL

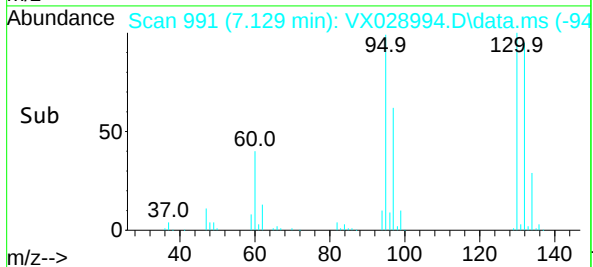
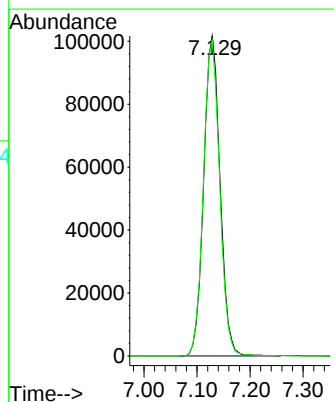
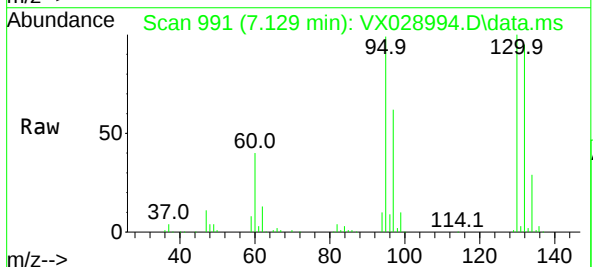


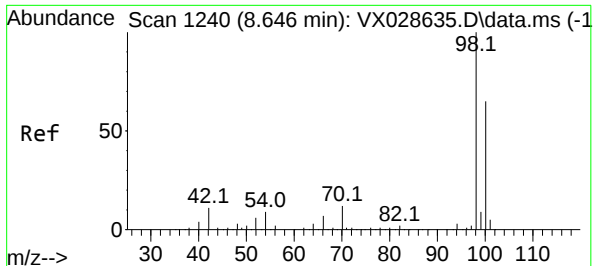
Tgt Ion:117 Resp: 35708
Ion Ratio Lower Upper
117 100
119 6.2 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 46.635 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

Tgt Ion:130 Resp: 218017
Ion Ratio Lower Upper
130 100
95 98.6 0.0 188.8





#50

Toluene-d8

Concen: 47.467 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX028994.D

Acq: 26 May 2022 13:19

Instrument :

MSVOA_X

ClientSampleId :

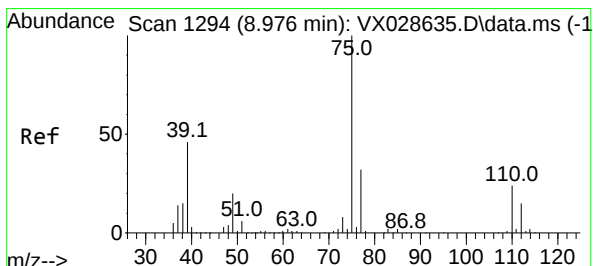
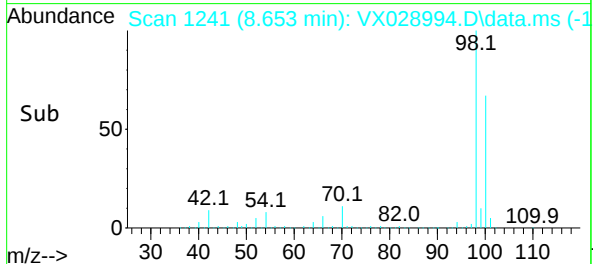
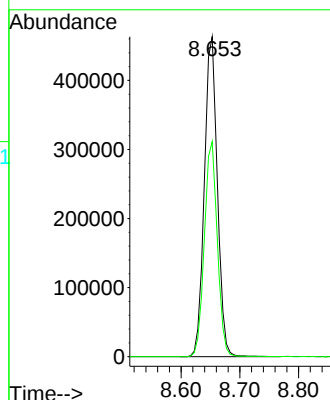
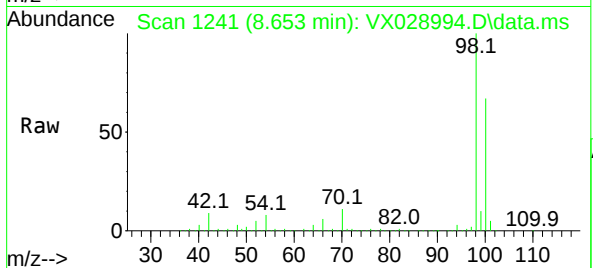
04BR-20220520DL

Tgt Ion: 98 Resp: 714633

Ion Ratio Lower Upper

98 100

100 67.0 52.6 78.8



#53

t-1,3-Dichloropropene

Concen: 1.672 ug/l

RT: 8.988 min Scan# 1296

Delta R.T. 0.012 min

Lab File: VX028994.D

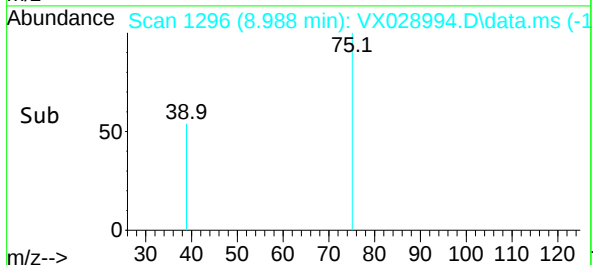
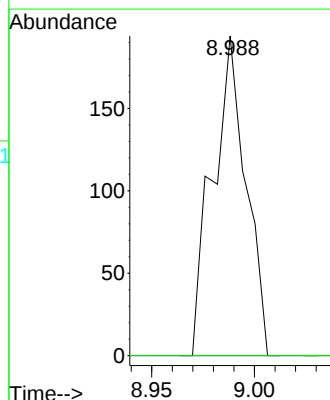
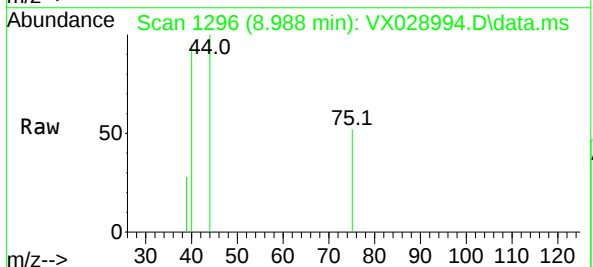
Acq: 26 May 2022 13:19

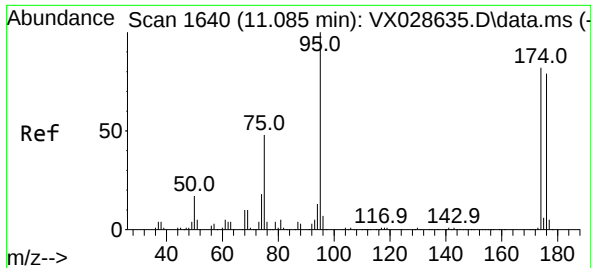
Tgt Ion: 75 Resp: 219

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

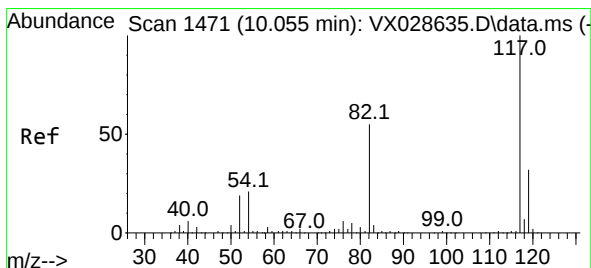
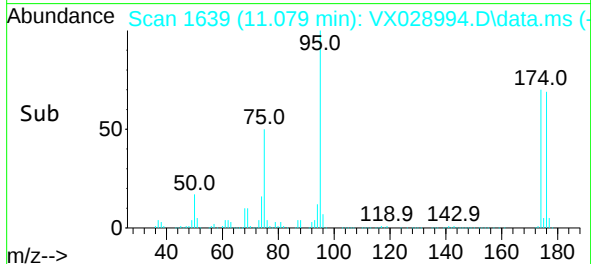
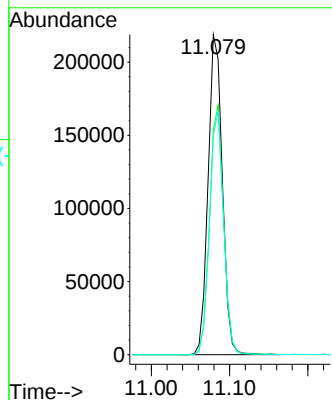
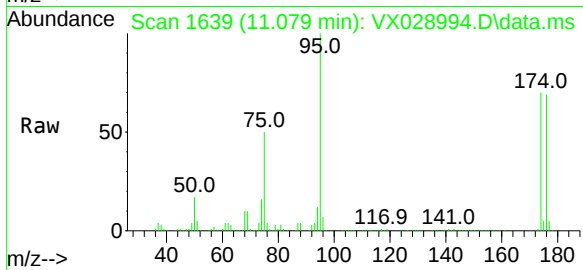




#62
4-Bromofluorobenzene
Concen: 49.062 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

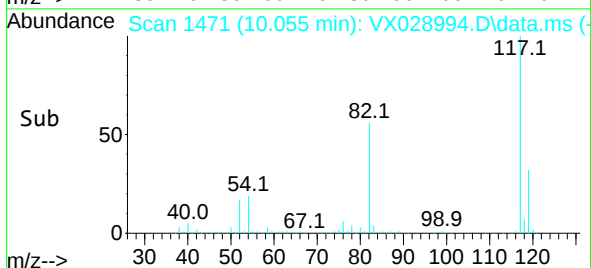
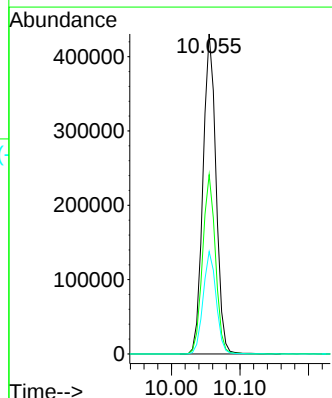
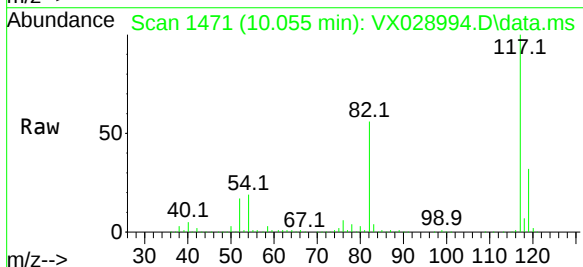
Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520DL

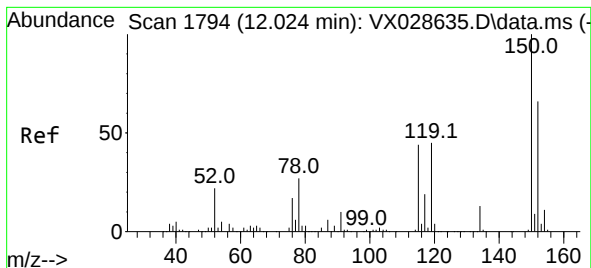
Tgt Ion: 95 Resp: 275887
Ion Ratio Lower Upper
95 100
174 76.8 0.0 163.0
176 74.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

Tgt Ion: 117 Resp: 572705
Ion Ratio Lower Upper
117 100
82 56.0 41.8 62.8
119 32.0 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: VX028994.D

Acq: 26 May 2022 13:19

Instrument :

MSVOA_X

ClientSampleId :

04BR-20220520DL

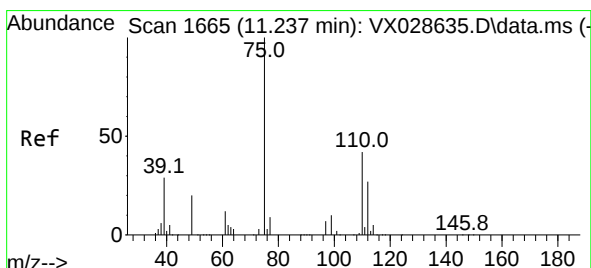
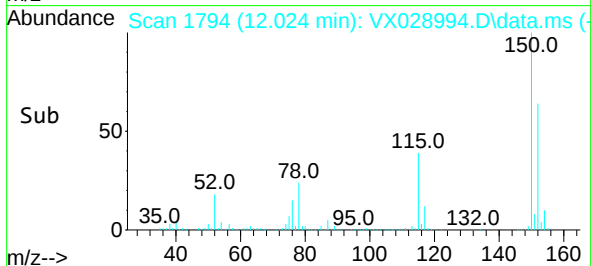
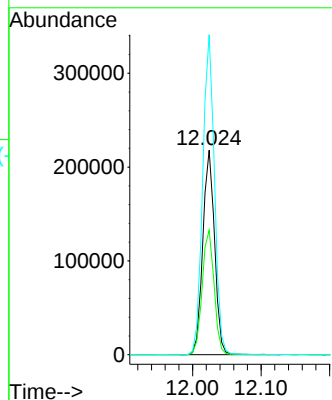
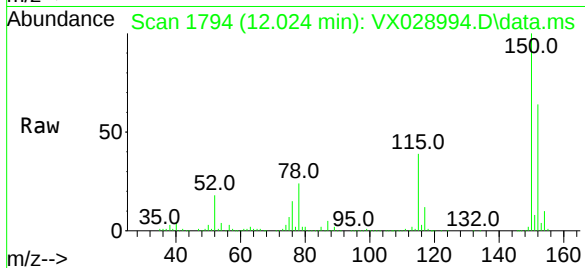
Tgt Ion:152 Resp: 261391

Ion Ratio Lower Upper

152 100

115 61.6 37.5 112.7

150 156.3 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 22.443 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX028994.D

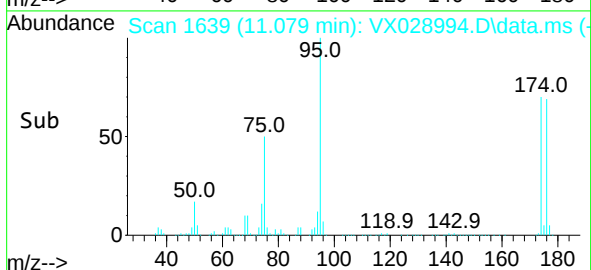
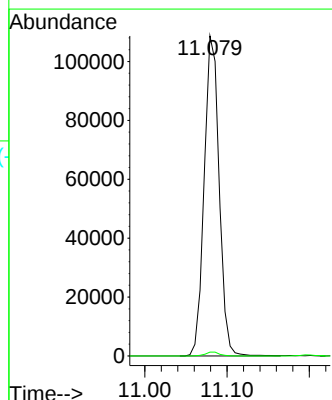
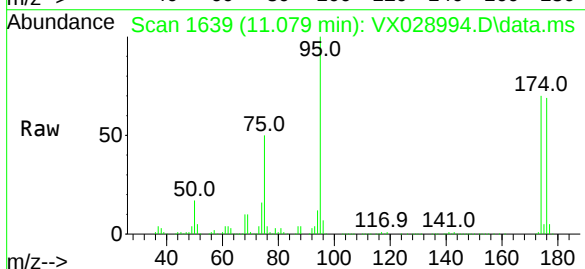
Acq: 26 May 2022 13:19

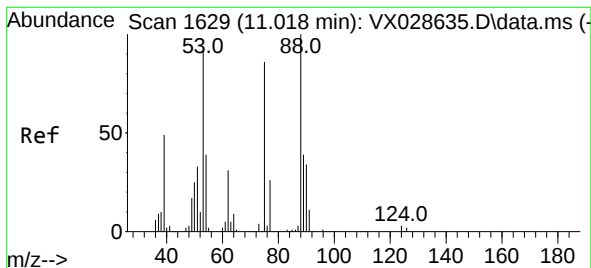
Tgt Ion: 75 Resp: 137385

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#

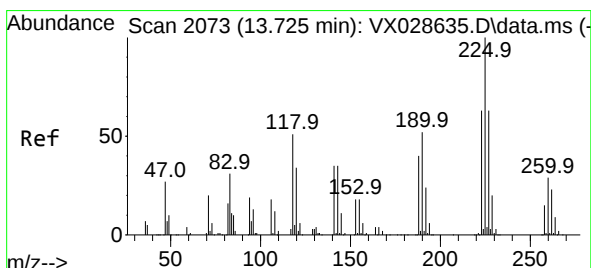
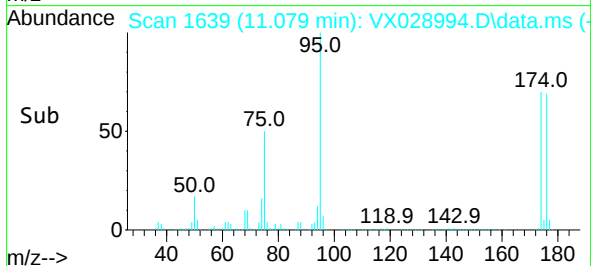
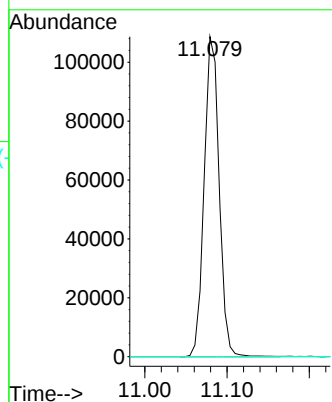
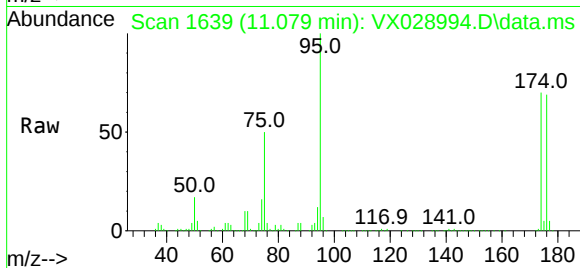




#81
trans-1,4-Dichloro-2-butene
Concen: 65.640 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520DL

Tgt Ion: 75 Resp: 137385
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#94
Hexachlorobutadiene
Concen: 0.276 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX028994.D
Acq: 26 May 2022 13:19

Tgt Ion: 225 Resp: 585
Ion Ratio Lower Upper
225 100
223 73.5 34.2 102.5
227 52.5 33.9 101.7

