

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052022\
 Data File : VX028880.D
 Acq On : 21 May 2022 03:47
 Operator : JC/MD
 Sample : N2970-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 70BR-72-20220519

Quant Time: May 21 06:09:02 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)

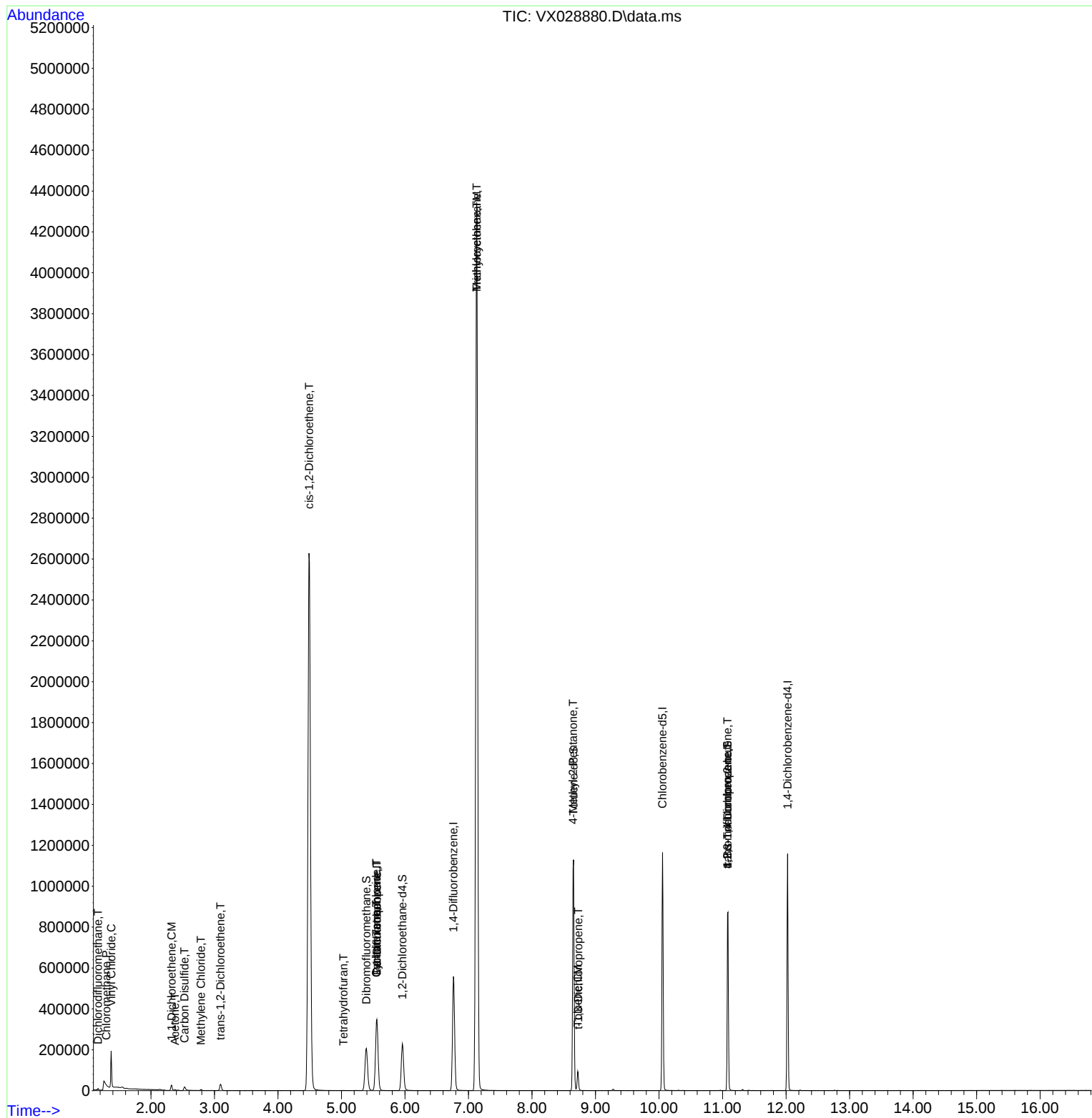
Internal Standards						
1) Pentafluorobenzene	5.556	168	319197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	563893	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	510664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	223310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	228844	52.302	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.600%
35) Dibromofluoromethane	5.391	113	183415	49.645	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.280%
50) Toluene-d8	8.653	98	669703	48.079	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.160%
62) 4-Bromofluorobenzene	11.079	95	242557	46.622	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.240%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	4076	0.975	ug/l	93
3) Chloromethane	1.294	50	1179	0.300	ug/l	97
4) Vinyl Chloride	1.374	62	104726	24.689	ug/l	98
5) Bromomethane	1.617	94	861	Below Cal		99
11) Tert butyl alcohol	2.965	59	350	Below Cal	#	72
12) 1,1-Dichloroethene	2.325	96	8480	2.567	ug/l	97
16) Acetone	2.379	43	4155	2.213	ug/l #	86
17) Carbon Disulfide	2.526	76	10002	1.168	ug/l	99
20) Methylene Chloride	2.788	84	1824	0.463	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	12613	3.390	ug/l	91
27) cis-1,2-Dichloroethene	4.489	96	1714133	394.414	ug/l	89
29) Tetrahydrofuran	5.031	42	543	0.283	ug/l #	55
31) Cyclohexane	5.550	56	6514	1.073	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	26303	4.740	ug/l #	49
38) Carbon Tetrachloride	5.550	117	34326	6.147	ug/l #	15
39) Methylcyclohexane	7.129	83	20491	3.220	ug/l #	1
44) Trichloroethene	7.129	130	1683243	389.168	ug/l	95
51) 4-Methyl-2-Pentanone	8.647	43	2830	0.474	ug/l #	1
52) Toluene	8.720	92	35408	3.451	ug/l	94
53) t-1,3-Dichloropropene	8.726	75	384	1.699	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	126473	24.184	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	126473	70.431	ug/l #	15

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

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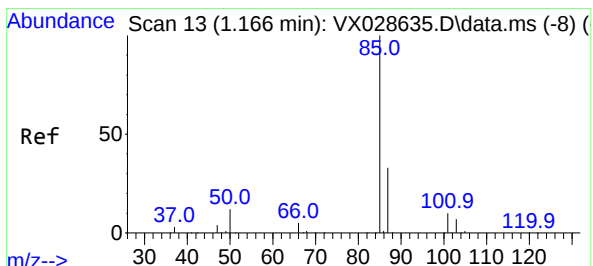
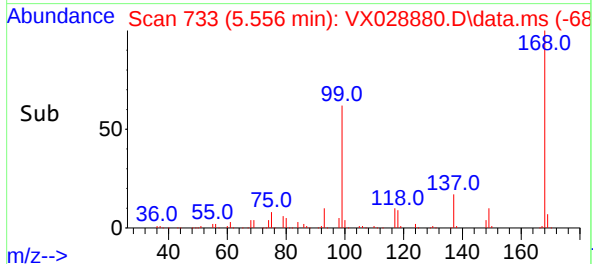
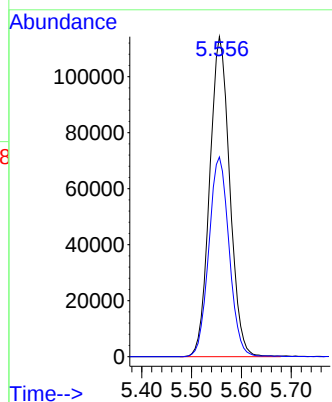
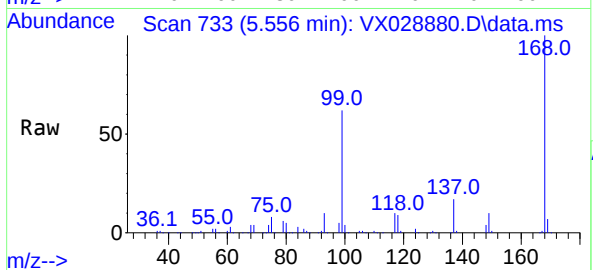




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

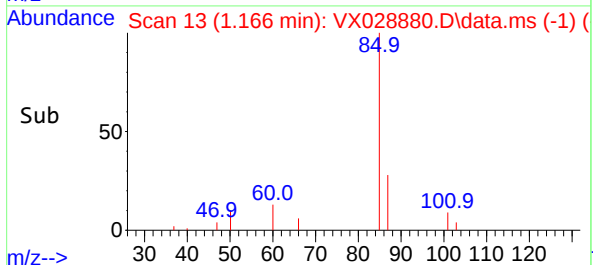
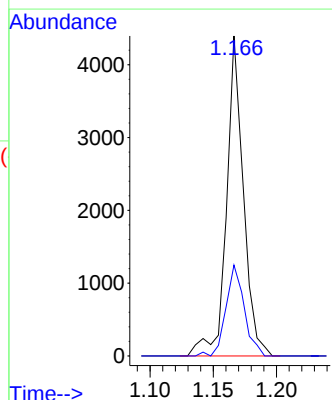
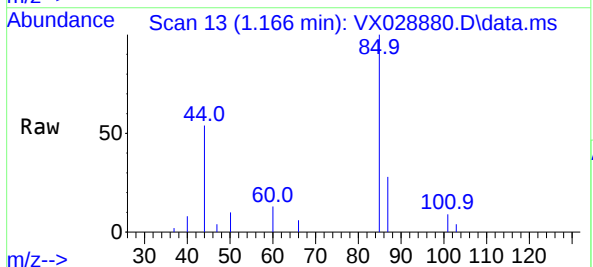
Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519

Tgt Ion:168 Resp: 319197
Ion Ratio Lower Upper
168 100
99 62.4 41.7 62.5

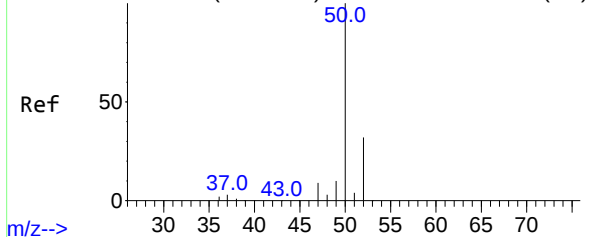


#2
Dichlorodifluoromethane
Concen: 0.975 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

Tgt Ion: 85 Resp: 4076
Ion Ratio Lower Upper
85 100
87 28.4 16.2 48.6



Abundance Scan 34 (1.294 min): VX028635.D\data.ms (-25)



#3

Chloromethane

Concen: 0.300 ug/l

RT: 1.294 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX028880.D

Acq: 21 May 2022 03:47

Instrument :

MSVOA_X

ClientSampleId :

70BR-72-20220519

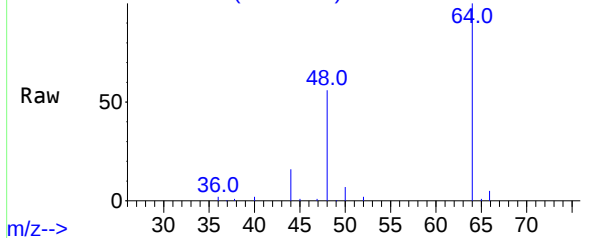
Tgt Ion: 50 Resp: 1179

Ion Ratio Lower Upper

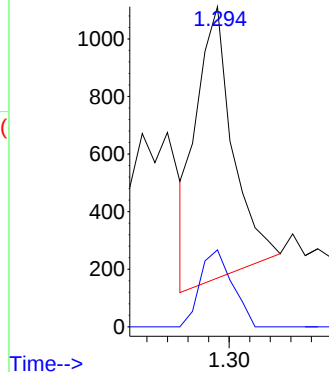
50 100

52 31.1 26.4 39.6

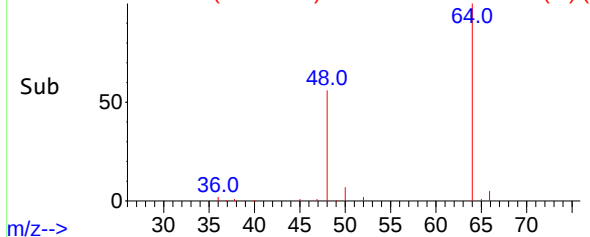
Abundance Scan 34 (1.294 min): VX028880.D\data.ms



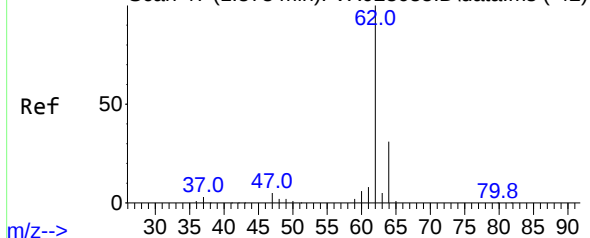
Abundance



Abundance Scan 34 (1.294 min): VX028880.D\data.ms (-1)



Abundance Scan 47 (1.373 min): VX028635.D\data.ms (-42)



#4

Vinyl Chloride

Concen: 24.689 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.001 min

Lab File: VX028880.D

Acq: 21 May 2022 03:47

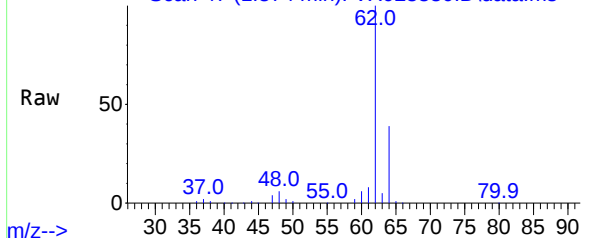
Tgt Ion: 62 Resp: 104726

Ion Ratio Lower Upper

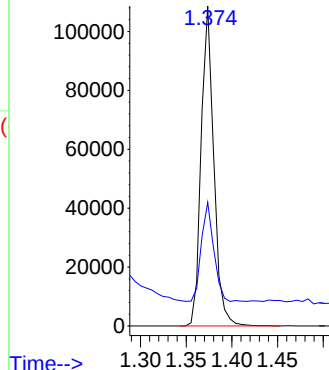
62 100

64 30.7 25.5 38.3

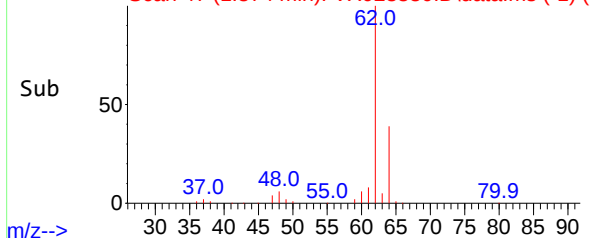
Abundance Scan 47 (1.374 min): VX028880.D\data.ms

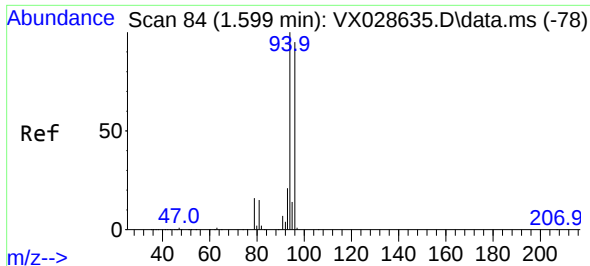


Abundance



Abundance Scan 47 (1.374 min): VX028880.D\data.ms (-1)

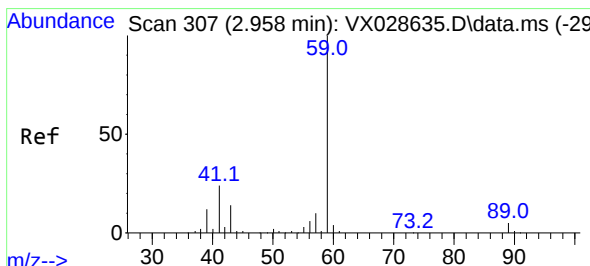
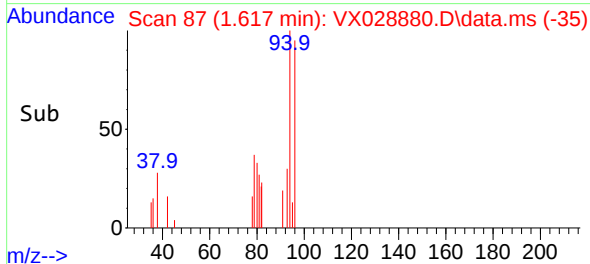
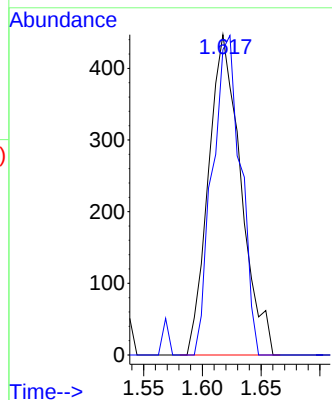
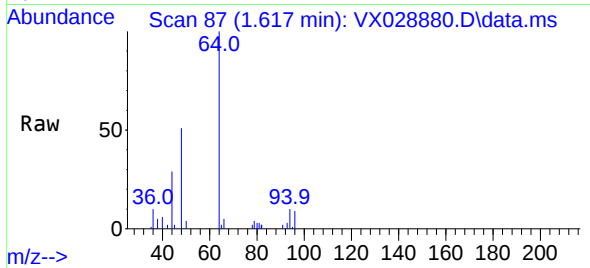




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

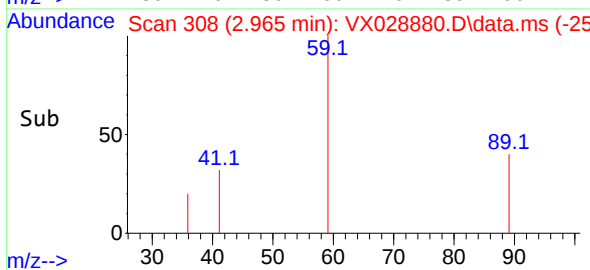
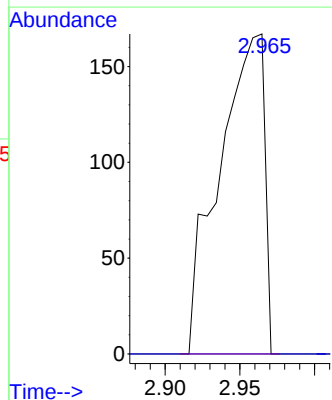
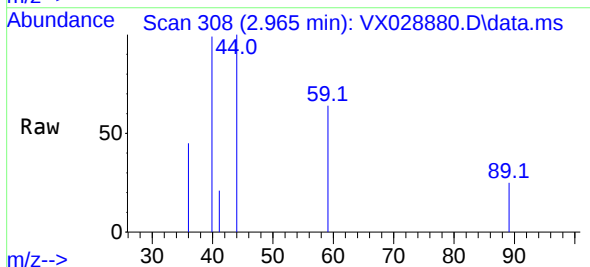
Instrument :
MSVOA_X
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70BR-72-20220519

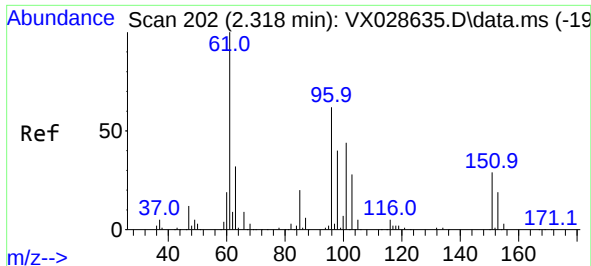
Tgt Ion: 94 Resp: 861
Ion Ratio Lower Upper
94 100
96 95.3 75.3 112.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. 0.007 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

Tgt Ion: 59 Resp: 350
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

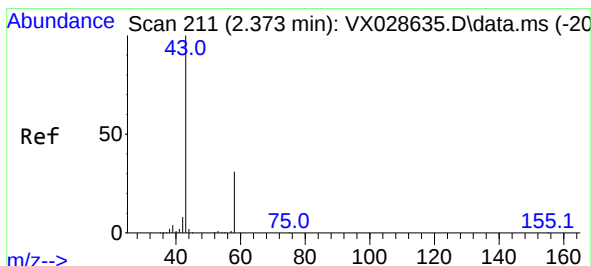
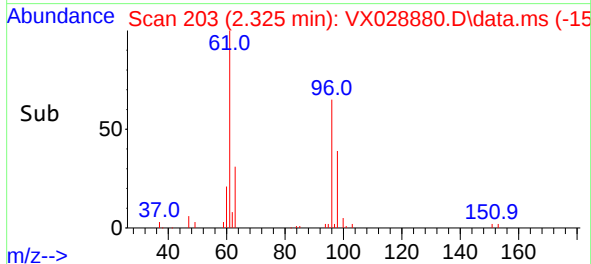
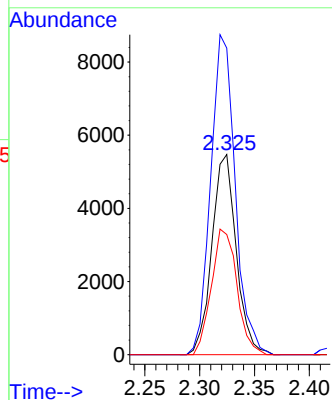
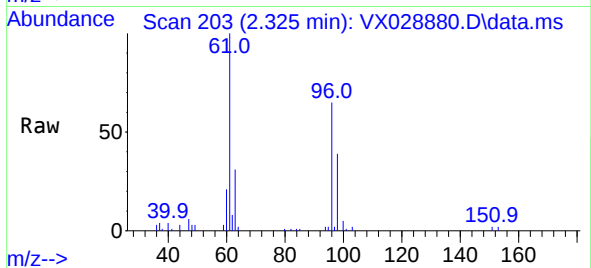




#12
1,1-Dichloroethene
Concen: 2.567 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.007 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

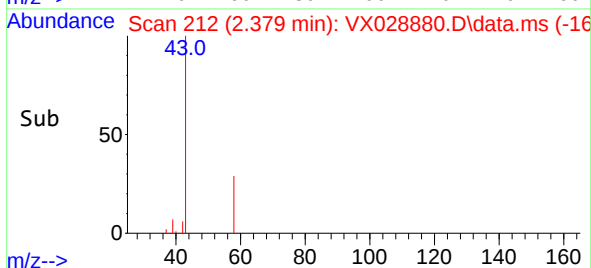
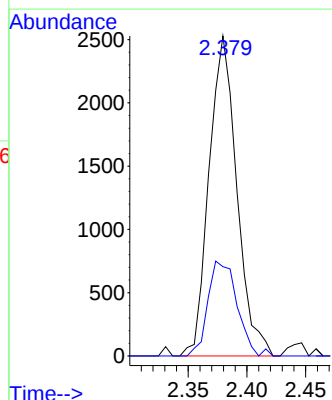
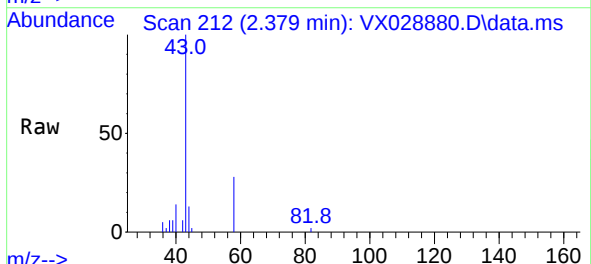
Instrument :
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ClientSampleId :
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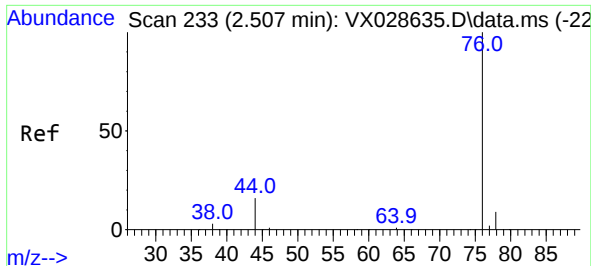
Tgt Ion: 96 Resp: 8480
Ion Ratio Lower Upper
96 100
61 153.1 124.6 187.0
98 60.0 51.0 76.4



#16
Acetone
Concen: 2.213 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

Tgt Ion: 43 Resp: 4155
Ion Ratio Lower Upper
43 100
58 27.9 28.8 43.2#

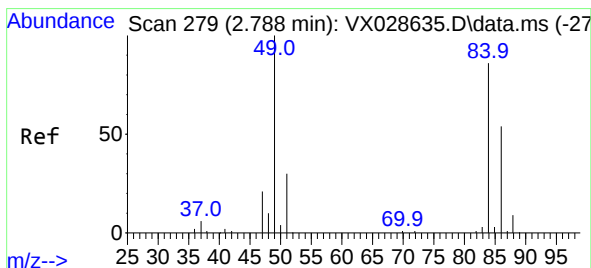
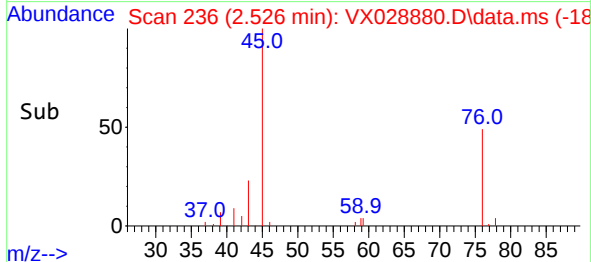
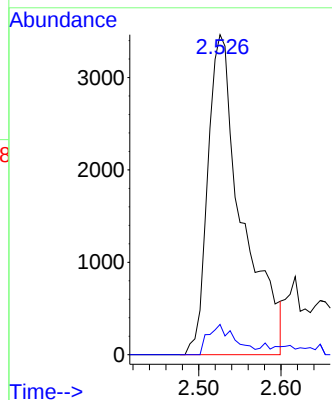
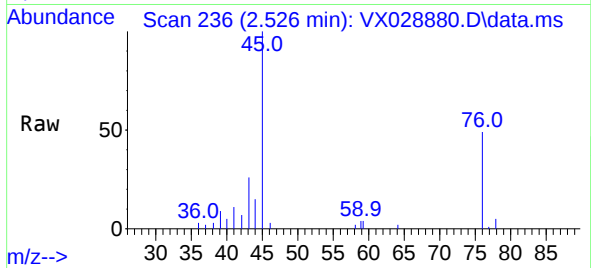




#17
Carbon Disulfide
Concen: 1.168 ug/l
RT: 2.526 min Scan# 21
Delta R.T. 0.019 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

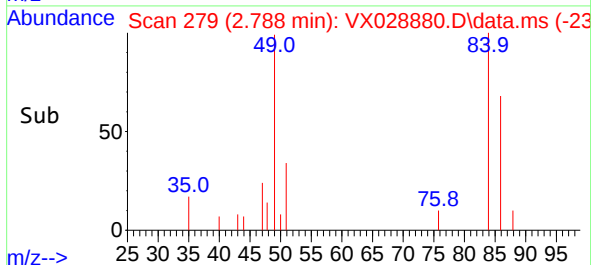
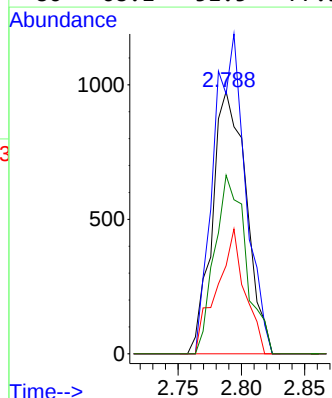
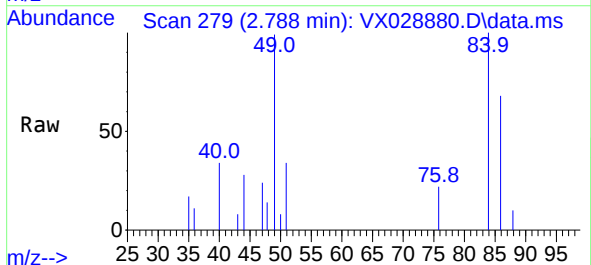
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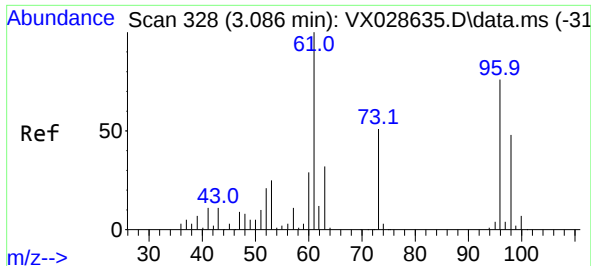
Tgt Ion: 76 Resp: 10002
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#20
Methylene Chloride
Concen: 0.463 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

Tgt Ion: 84 Resp: 1824
Ion Ratio Lower Upper
84 100
49 99.1 85.5 128.3
51 33.6 26.6 39.8
86 68.1 51.5 77.3

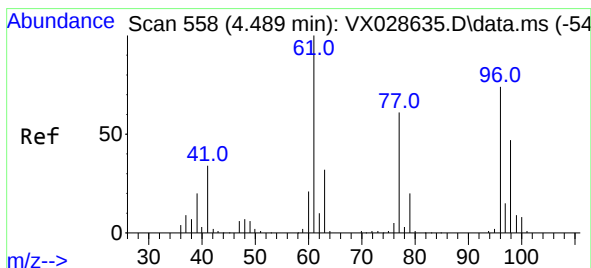
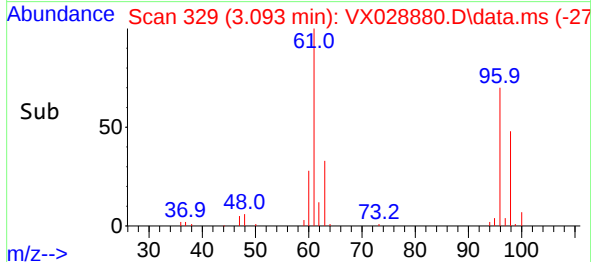
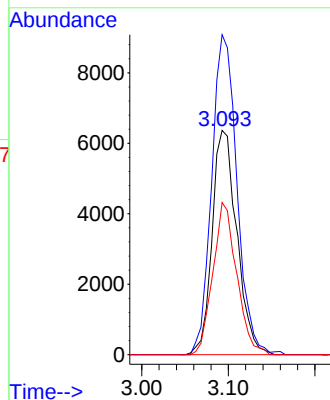
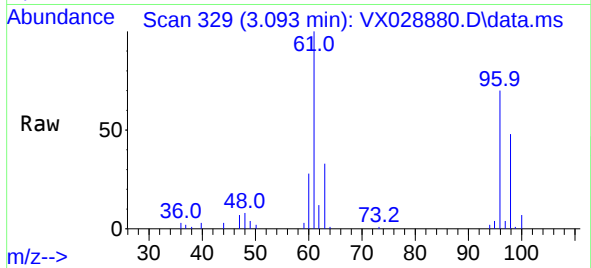




#21
trans-1,2-Dichloroethene
Concen: 3.390 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

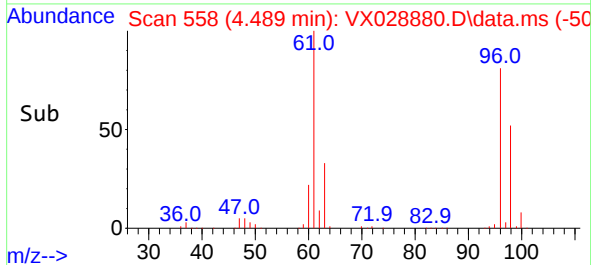
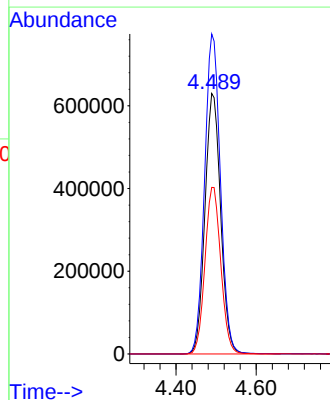
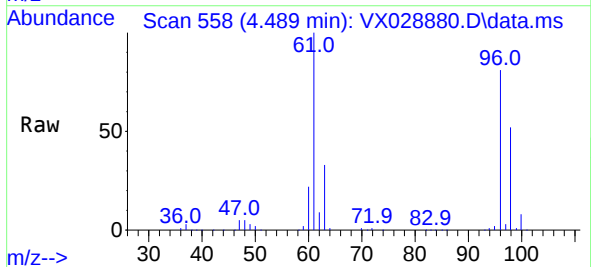
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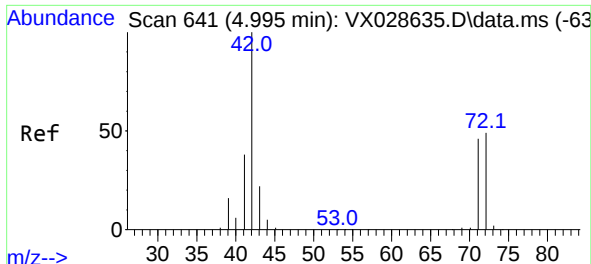
Tgt Ion: 96 Resp: 12613
Ion Ratio Lower Upper
96 100
61 142.7 105.4 158.2
98 67.9 50.0 75.0



#27
cis-1,2-Dichloroethene
Concen: 394.414 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

Tgt Ion: 96 Resp: 1714133
Ion Ratio Lower Upper
96 100
61 123.4 0.0 283.8
98 64.5 0.0 129.8





#29

Tetrahydrofuran

Concen: 0.283 ug/l

RT: 5.031 min Scan# 641

Delta R.T. 0.036 min

Lab File: VX028880.D

Acq: 21 May 2022 03:47

Instrument :

MSVOA_X

ClientSampleId :

70BR-72-20220519

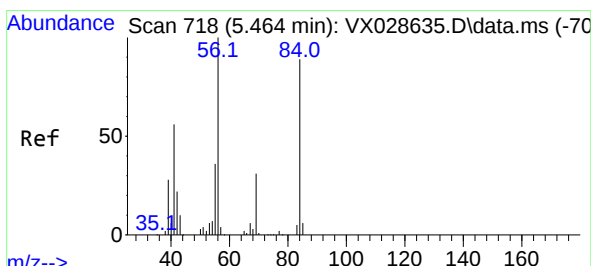
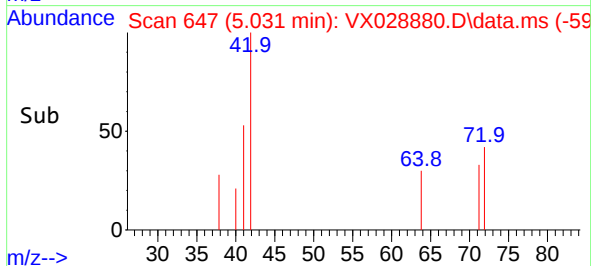
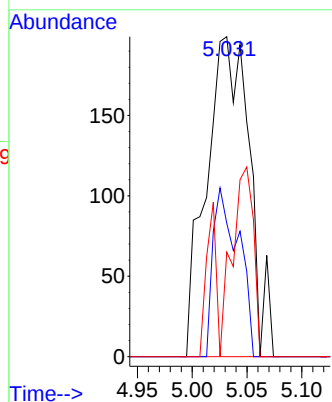
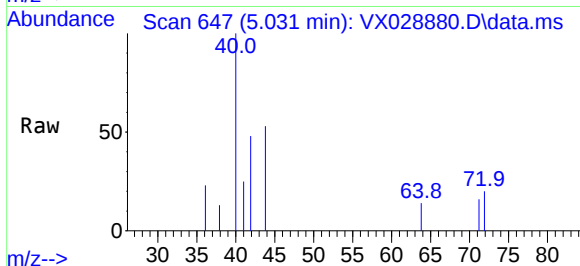
Tgt Ion: 42 Resp: 543

Ion Ratio Lower Upper

42 100

72 31.1 44.1 66.1#

71 10.7 40.5 60.7#



#31

Cyclohexane

Concen: 1.073 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.086 min

Lab File: VX028880.D

Acq: 21 May 2022 03:47

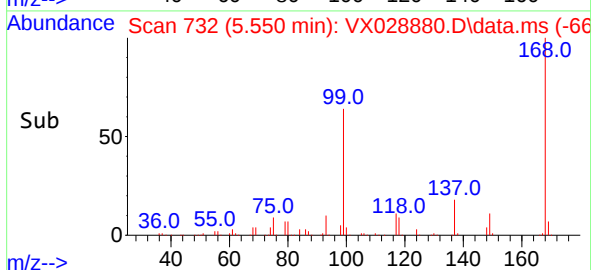
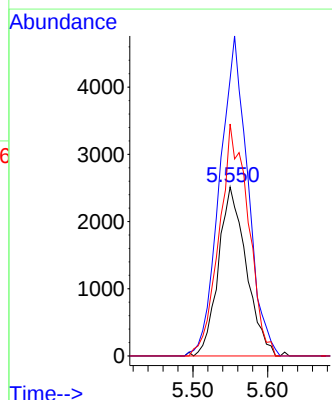
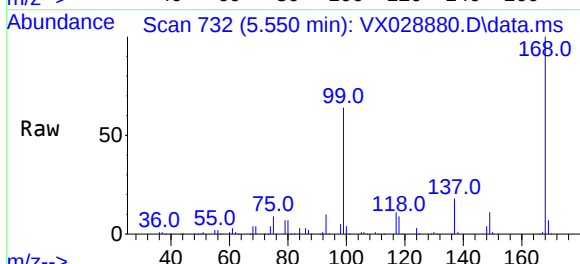
Tgt Ion: 56 Resp: 6514

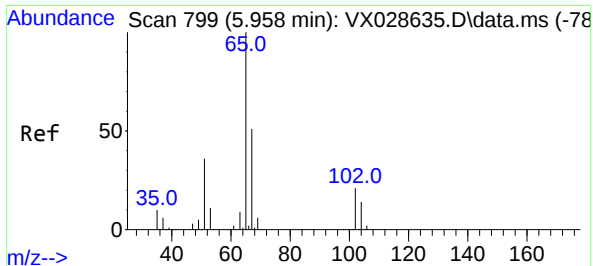
Ion Ratio Lower Upper

56 100

69 164.1 26.7 40.1#

84 137.3 77.2 115.8#

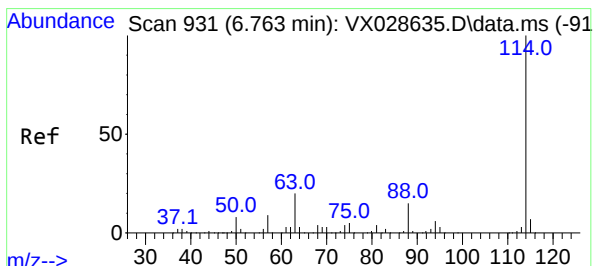
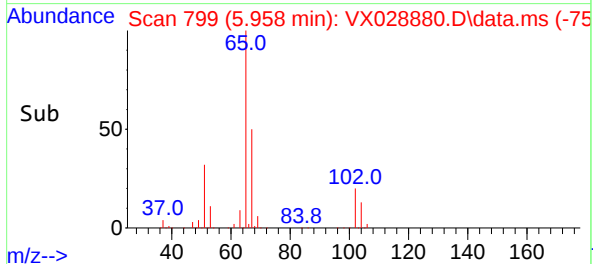
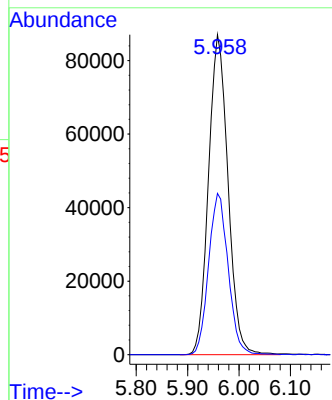
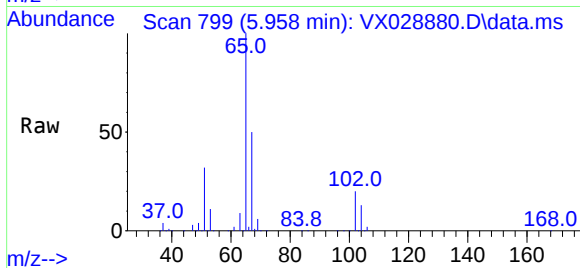




#33
1,2-Dichloroethane-d4
Concen: 52.302 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

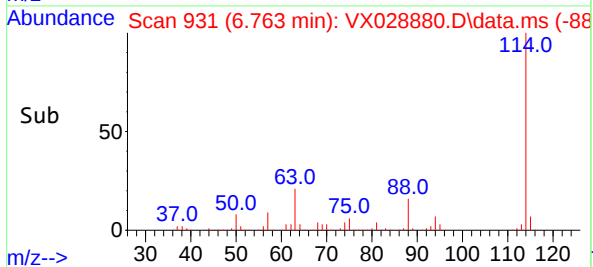
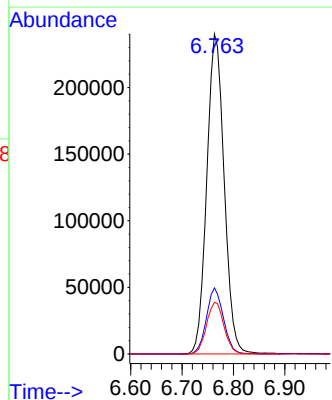
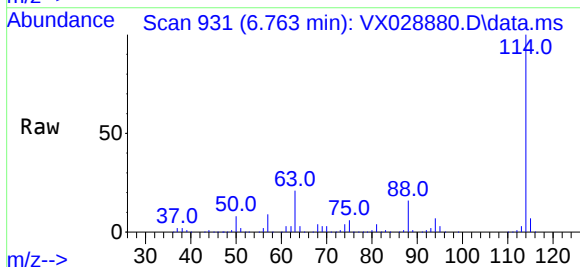
Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519

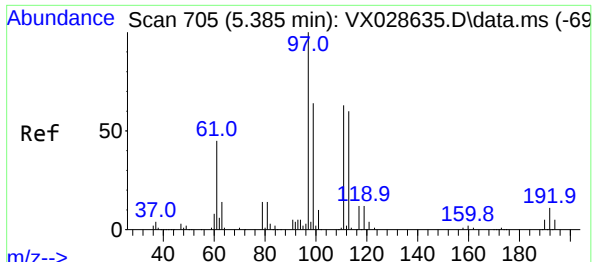
Tgt Ion: 65 Resp: 228844
Ion Ratio Lower Upper
65 100
67 50.6 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

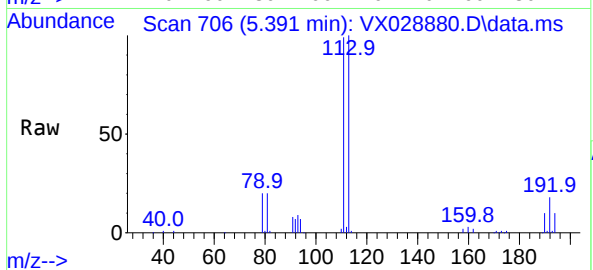
Tgt Ion: 114 Resp: 563893
Ion Ratio Lower Upper
114 100
63 20.7 0.0 36.8
88 16.2 0.0 32.4



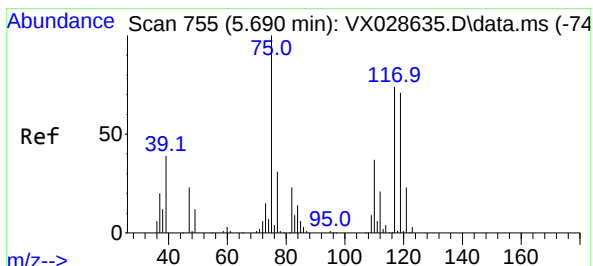
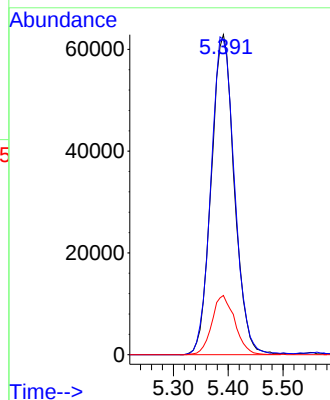
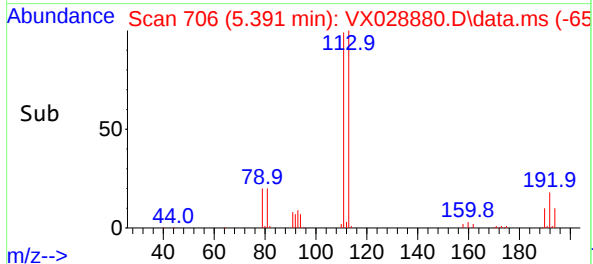


#35
Dibromofluoromethane
Concen: 49.645 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

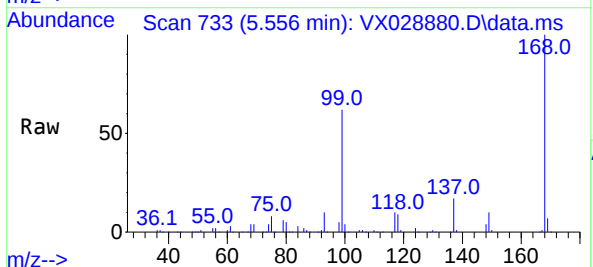
Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519



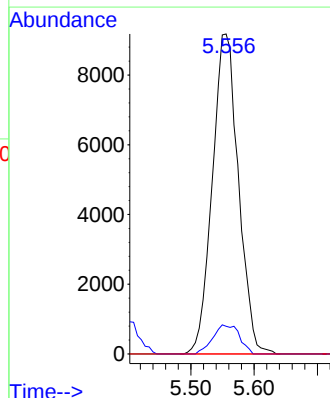
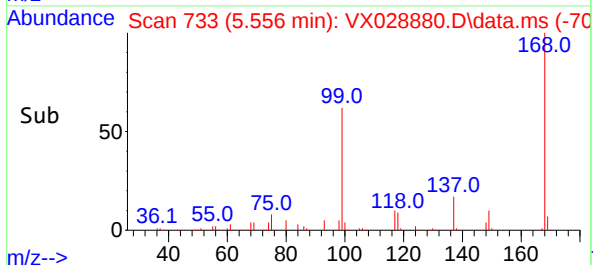
Tgt Ion:113 Resp: 183415
Ion Ratio Lower Upper
113 100
111 101.7 82.8 124.2
192 18.4 16.9 25.3

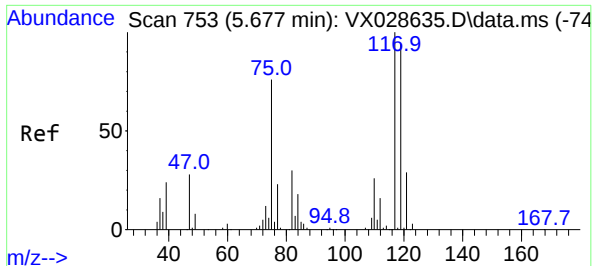


#36
1,1-Dichloropropene
Concen: 4.740 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47



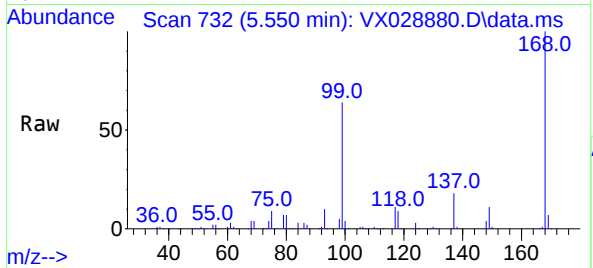
Tgt Ion: 75 Resp: 26303
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 24.8 37.2#



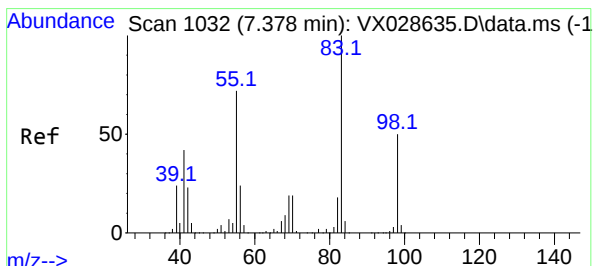
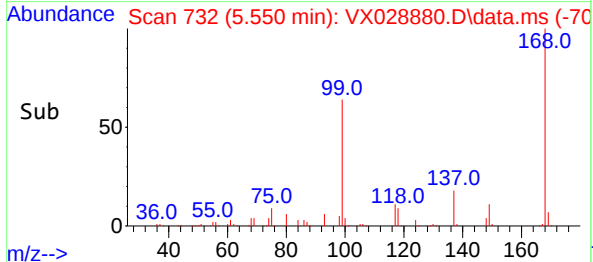
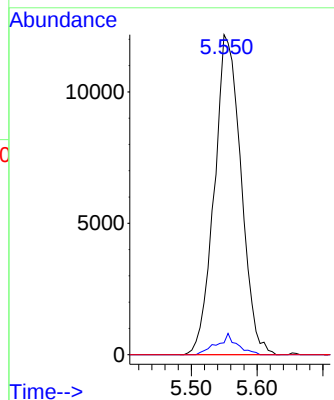


#38
Carbon Tetrachloride
Concen: 6.147 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519

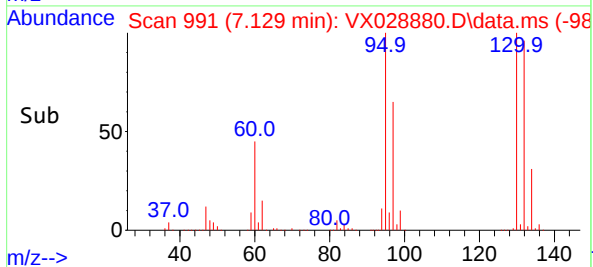
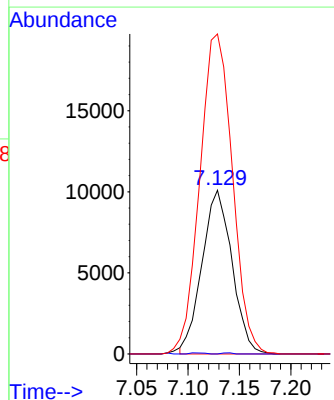
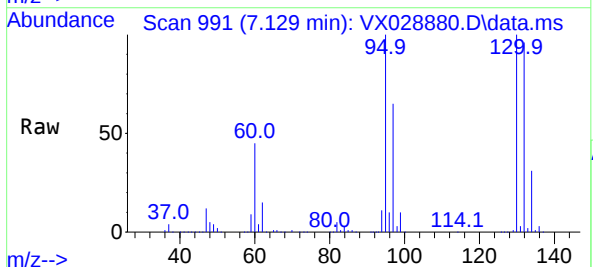


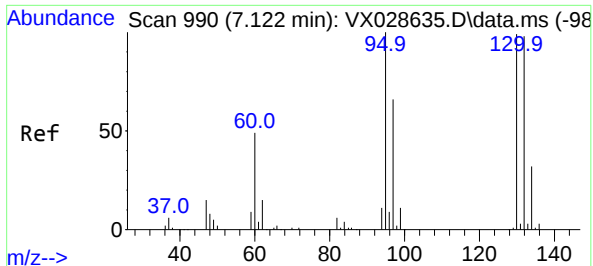
Tgt Ion:117 Resp: 34326
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 3.220 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.249 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

Tgt Ion: 83 Resp: 20491
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 195.4 37.4 56.2#

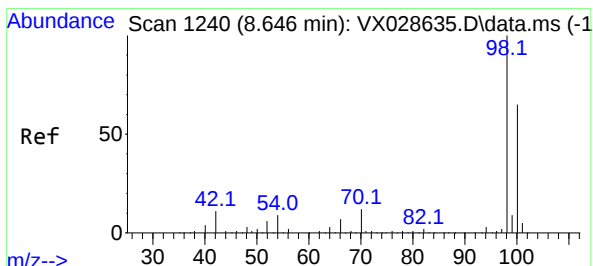
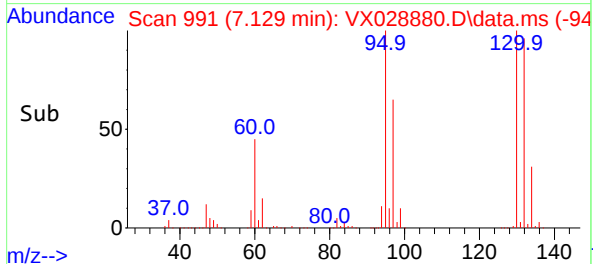
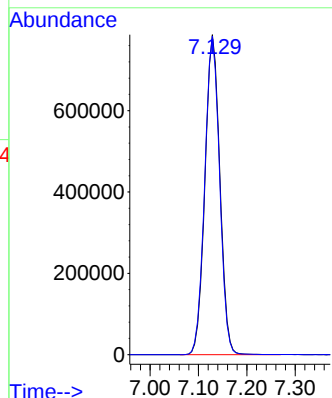
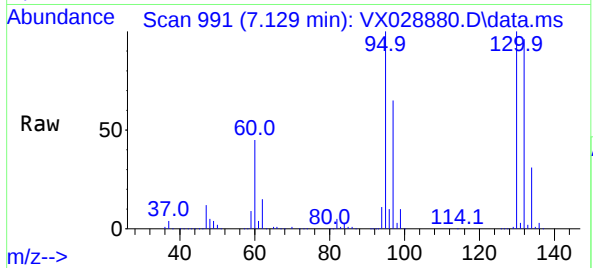




#44
Trichloroethene
Concen: 389.168 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

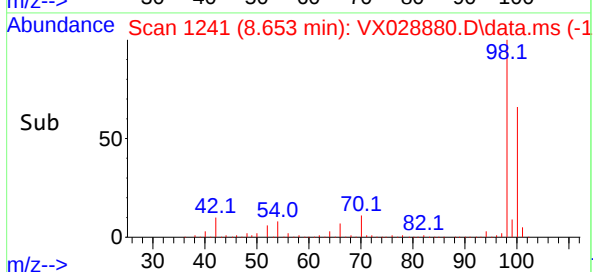
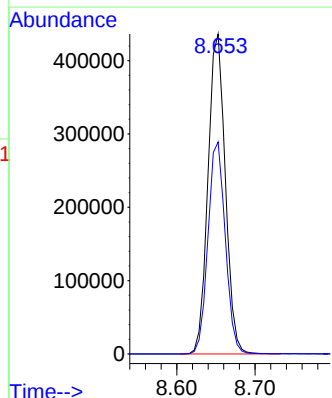
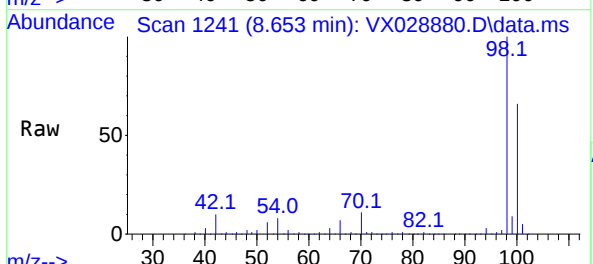
Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519

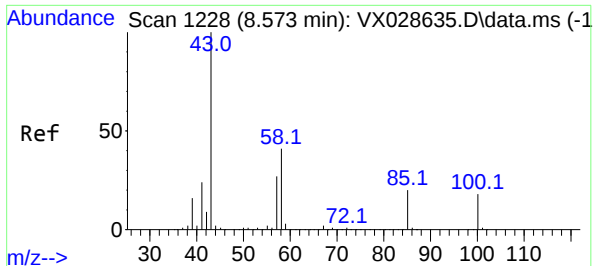
Tgt Ion:130 Resp: 1683243
Ion Ratio Lower Upper
130 100
95 99.6 0.0 188.8



#50
Toluene-d8
Concen: 48.079 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

Tgt Ion: 98 Resp: 669703
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.474 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX028880.D

Acq: 21 May 2022 03:47

Instrument :

MSVOA_X

ClientSampleId :

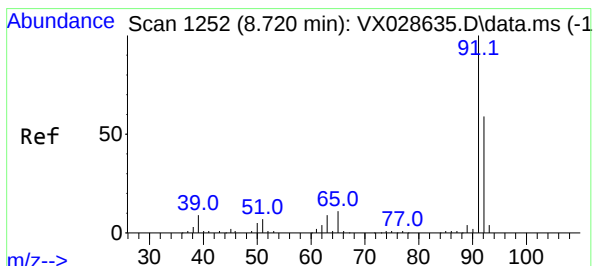
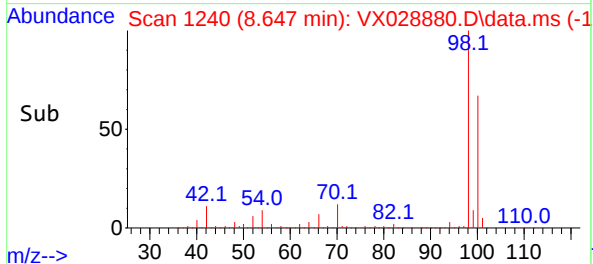
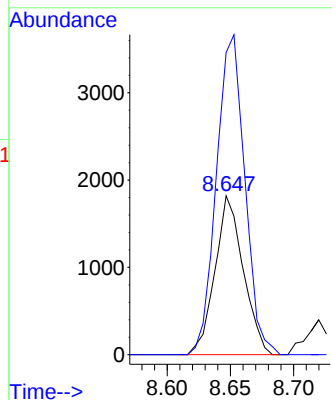
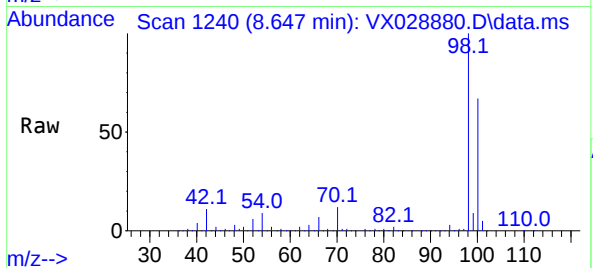
70BR-72-20220519

Tgt Ion: 43 Resp: 2830

Ion Ratio Lower Upper

43 100

58 202.5 36.1 54.1#



#52

Toluene

Concen: 3.451 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX028880.D

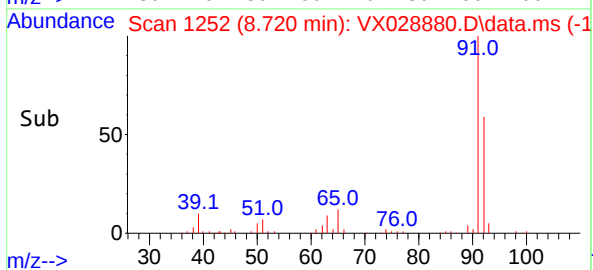
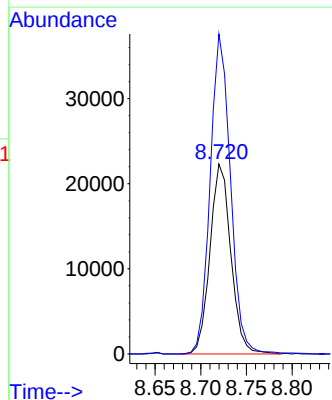
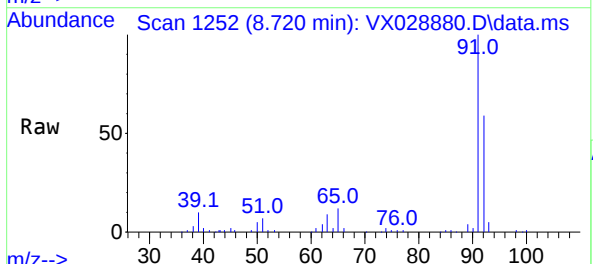
Acq: 21 May 2022 03:47

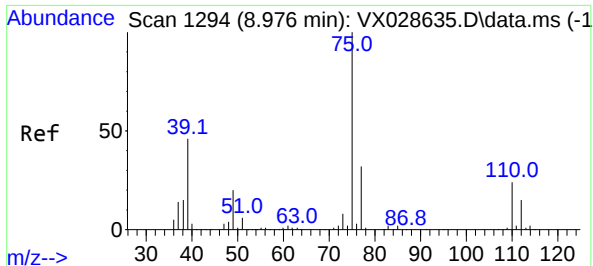
Tgt Ion: 92 Resp: 35408

Ion Ratio Lower Upper

92 100

91 164.3 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 1.699 ug/l

RT: 8.726 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX028880.D

Acq: 21 May 2022 03:47

Instrument :

MSVOA_X

ClientSampleId :

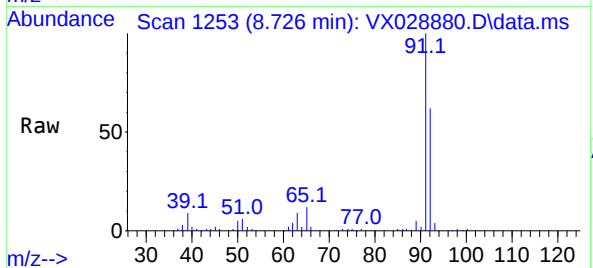
70BR-72-20220519

Tgt Ion: 75 Resp: 384

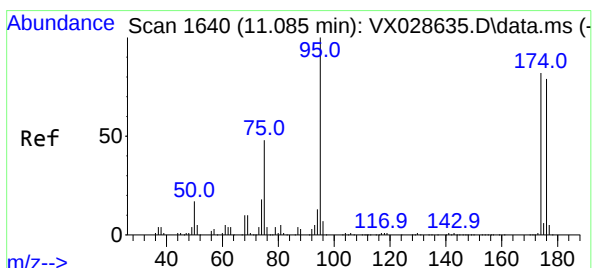
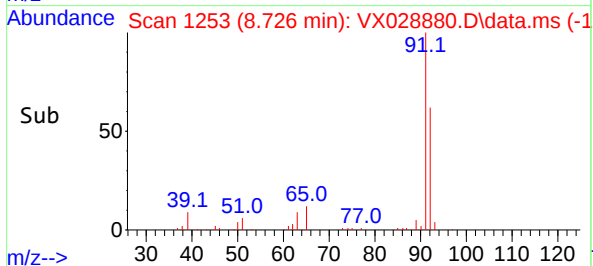
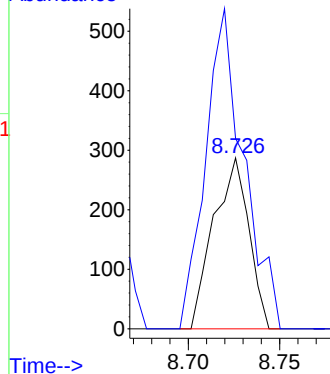
Ion Ratio Lower Upper

75 100

77 111.5 25.4 38.0#



Abundance



#62

4-Bromofluorobenzene

Concen: 46.622 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028880.D

Acq: 21 May 2022 03:47

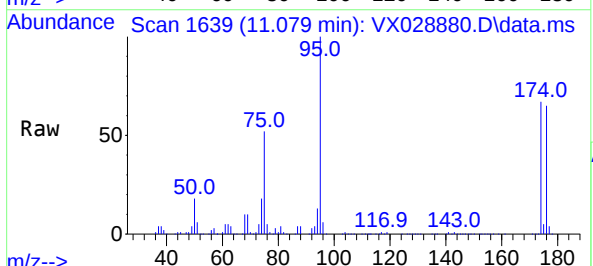
Tgt Ion: 95 Resp: 242557

Ion Ratio Lower Upper

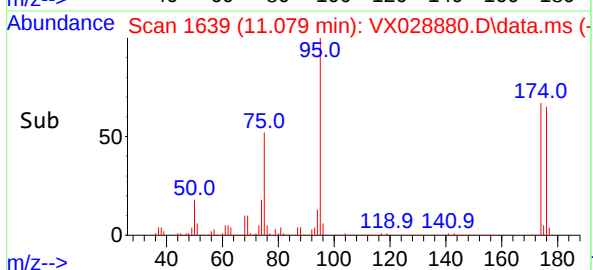
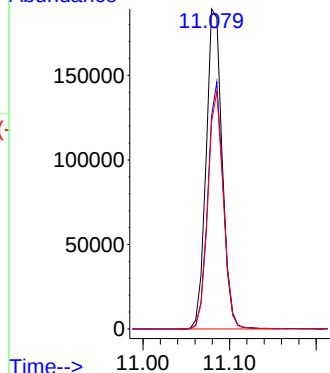
95 100

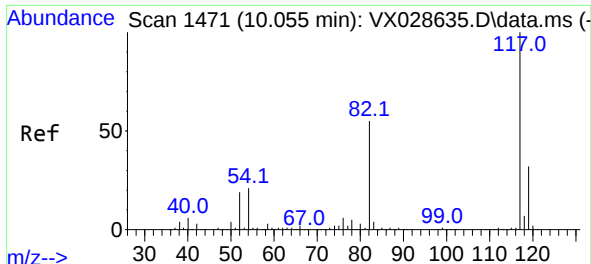
174 74.9 0.0 163.0

176 71.9 0.0 155.0



Abundance

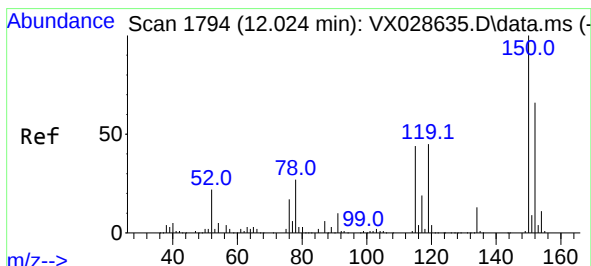
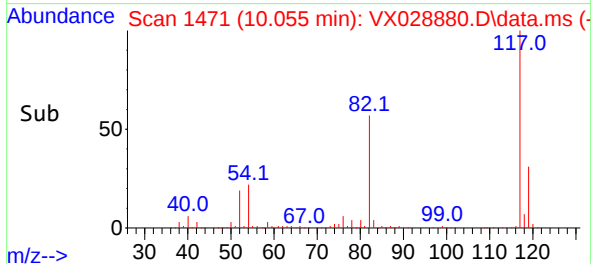
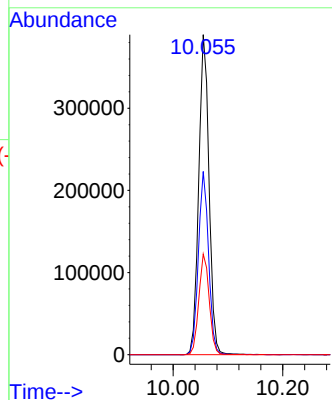
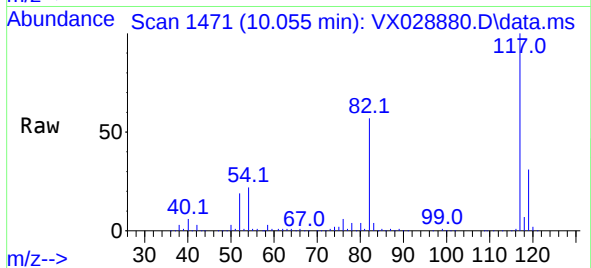




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

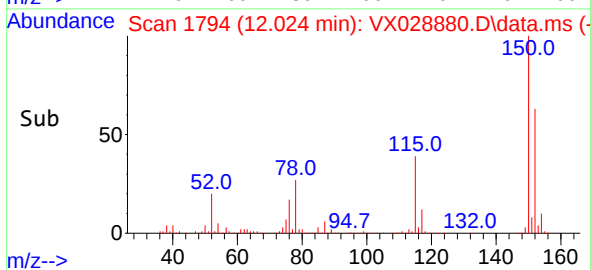
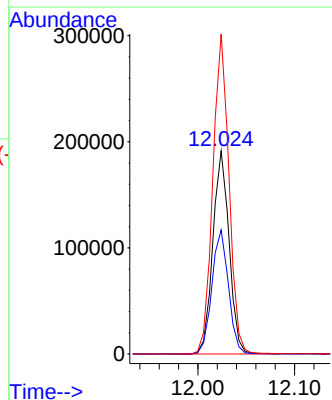
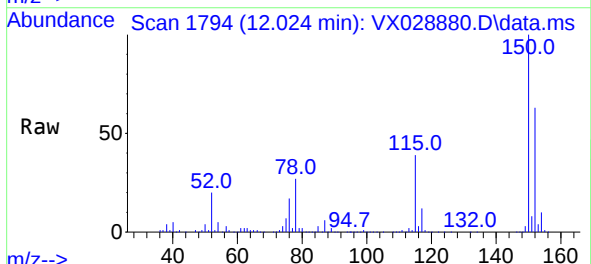
Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519

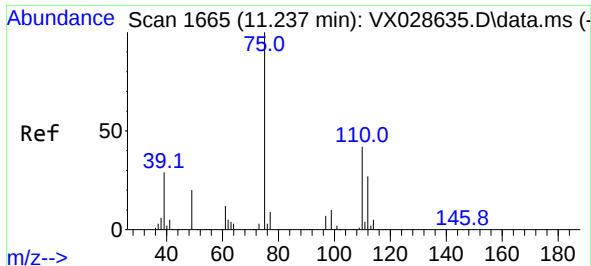
Tgt Ion:117 Resp: 510664
Ion Ratio Lower Upper
117 100
82 57.3 41.8 62.8
119 31.4 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

Tgt Ion:152 Resp: 223310
Ion Ratio Lower Upper
152 100
115 62.4 37.5 112.7
150 157.0 0.0 338.2

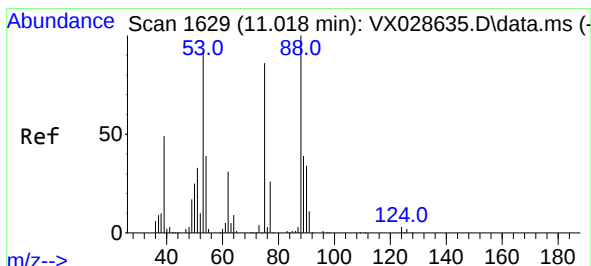
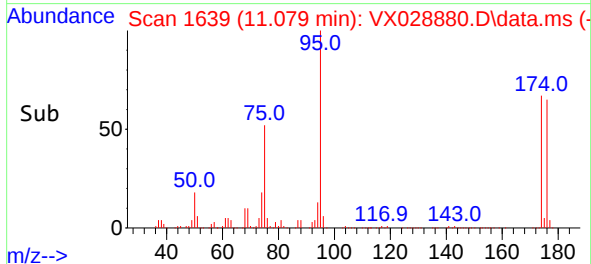
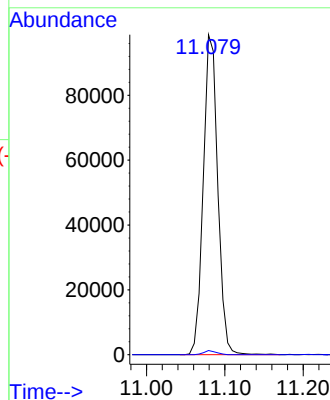
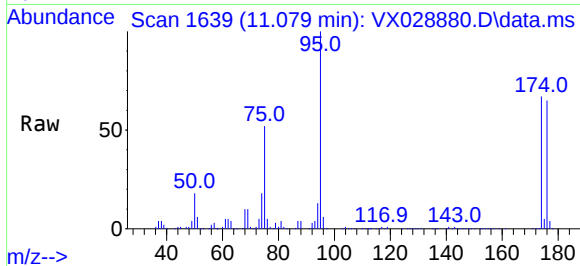




#76
1,2,3-Trichloropropane
Concen: 24.184 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

Instrument :
MSVOA_X
ClientSampleId :
70BR-72-20220519

Tgt Ion: 75 Resp: 126473
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.431 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028880.D
Acq: 21 May 2022 03:47

Tgt Ion: 75 Resp: 126473
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

