

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052423\
 Data File : VX035837.D
 Acq On : 24 May 2023 15:38
 Operator : JC/MD
 Sample : 02911-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT172S1-20230523

Quant Time: May 25 05:32:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

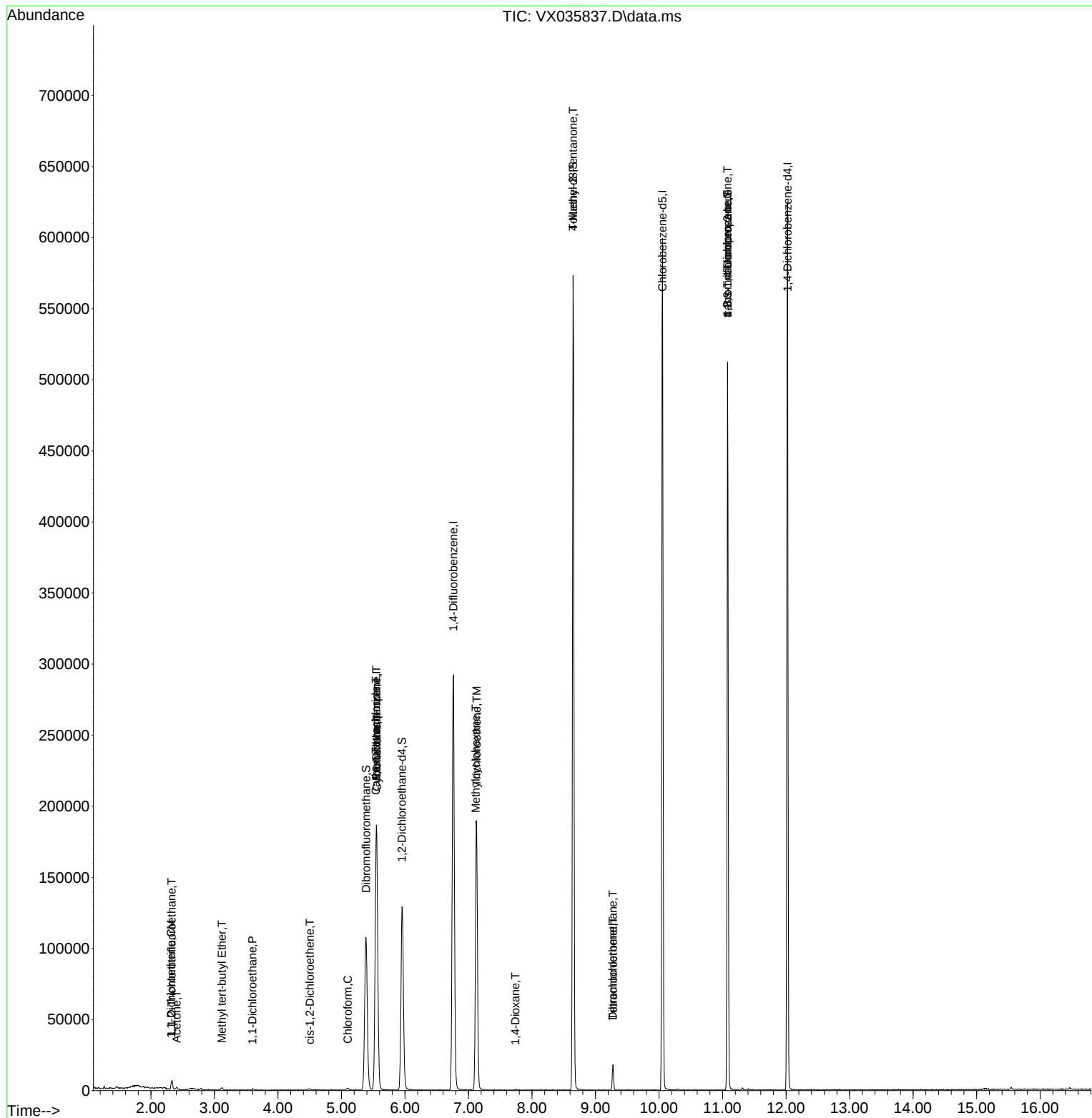
Internal Standards						
1) Pentafluorobenzene	5.550	168	171625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	295498	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123169	41.138	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	82.280%
35) Dibromofluoromethane	5.385	113	93105	46.720	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.440%
50) Toluene-d8	8.647	98	325328	44.190	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	88.380%#
62) 4-Bromofluorobenzene	11.079	95	129680	43.748	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.500%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	2209	1.098	ug/l	98
12) 1,1-Dichloroethene	2.319	96	475	0.249	ug/l #	70
16) Acetone	2.404	43	2682	2.084	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	1554	0.204	ug/l	92
24) 1,1-Dichloroethane	3.599	63	1276	0.298	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	608	0.241	ug/l	86
30) Chloroform	5.098	83	1553	0.353	ug/l	100
31) Cyclohexane	5.556	56	3946	1.043	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	14970	4.759	ug/l #	49
38) Carbon Tetrachloride	5.544	117	18426	6.184	ug/l #	16
39) Methylcyclohexane	7.116	83	840	0.227	ug/l #	1
44) Trichloroethene	7.129	130	72274	32.391	ug/l	99
49) 1,4-Dioxane	7.738	88	327	7.220	ug/l #	91
51) 4-Methyl-2-Pentanone	8.647	43	1685	0.511	ug/l #	1
60) Dibromochloromethane	9.275	129	2677	1.287	ug/l #	10
64) Tetrachloroethene	9.275	164	2866	1.626	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	69747	22.731	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	69747	73.258	ug/l #	8

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

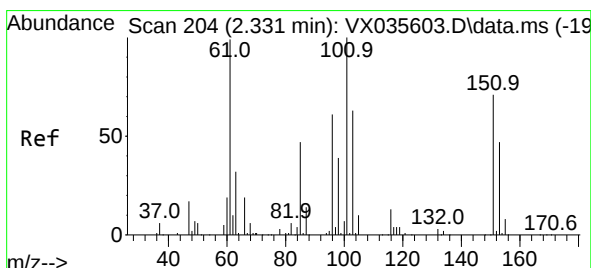
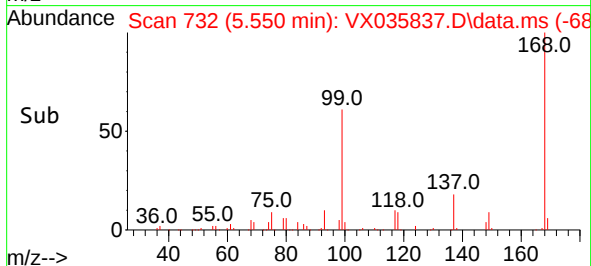
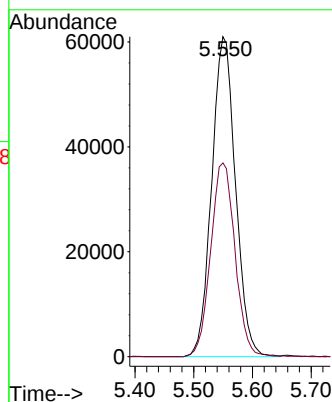
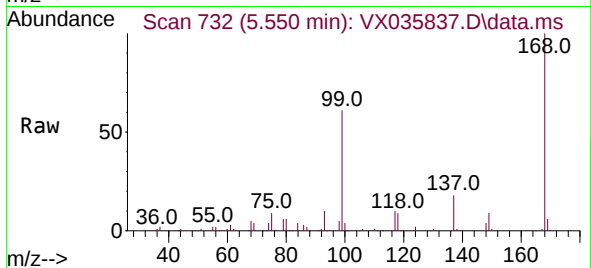




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

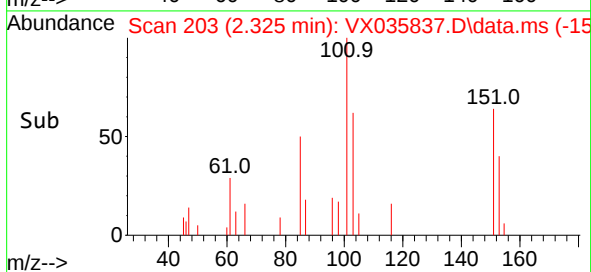
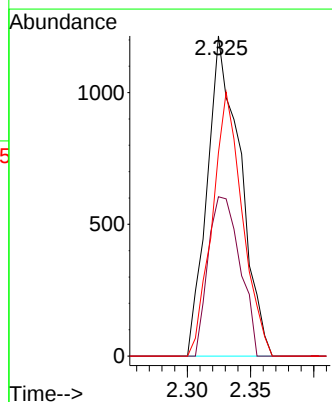
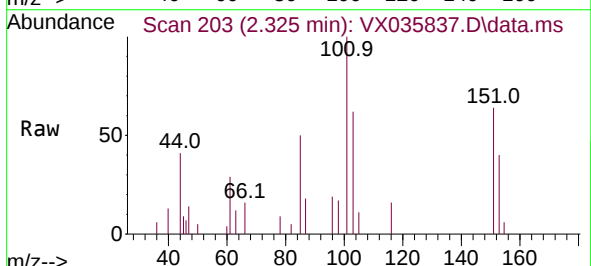
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20230523

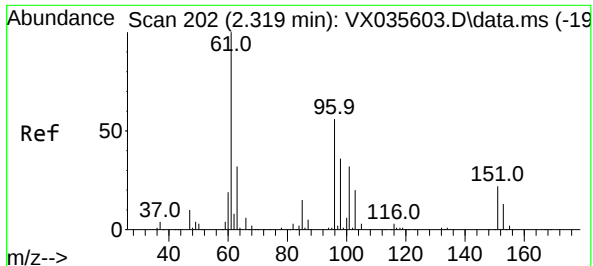
Tgt Ion:168 Resp: 171625
Ion Ratio Lower Upper
168 100
99 60.5 45.7 68.5



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.098 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

Tgt Ion:101 Resp: 2209
Ion Ratio Lower Upper
101 100
85 48.0 35.4 53.2
151 75.1 60.2 90.4





#12

1,1-Dichloroethene

Concen: 0.249 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX035837.D

Acq: 24 May 2023 15:38

Instrument :

MSVOA_X

ClientSampleId :

TT172S1-20230523

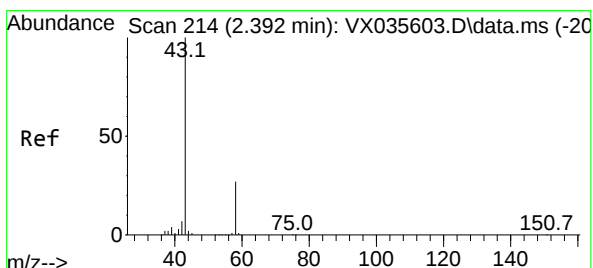
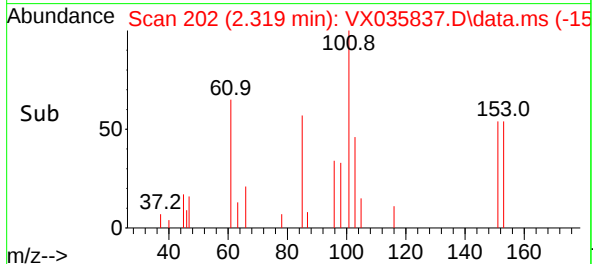
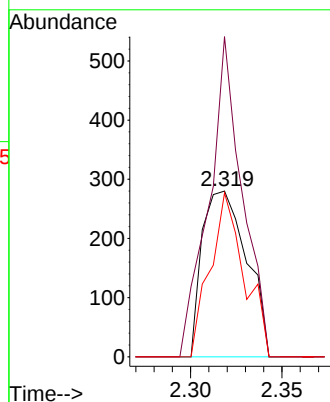
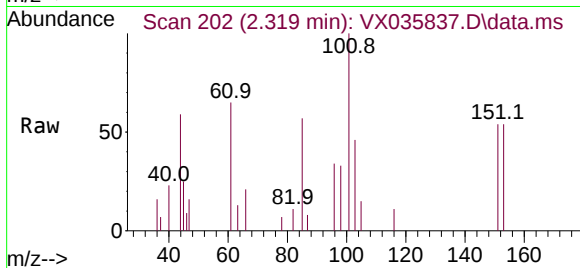
Tgt Ion: 96 Resp: 475

Ion Ratio Lower Upper

96 100

61 193.2 128.8 193.2#

98 98.9 51.4 77.0#



#16

Acetone

Concen: 2.084 ug/l

RT: 2.404 min Scan# 216

Delta R.T. 0.012 min

Lab File: VX035837.D

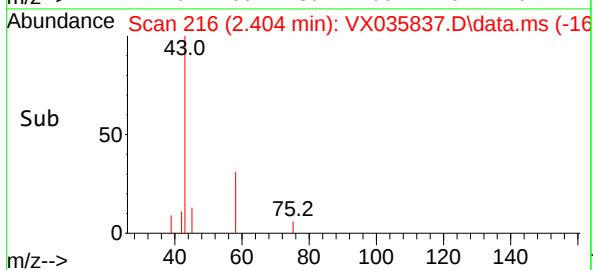
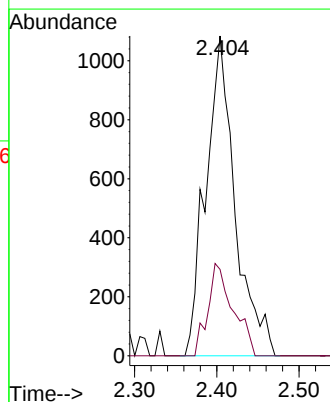
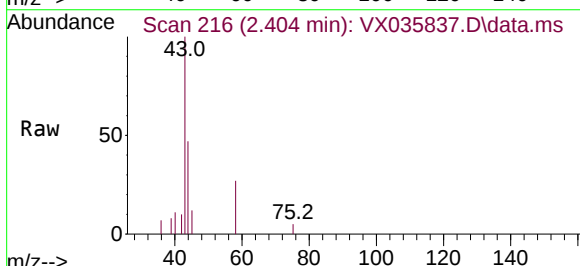
Acq: 24 May 2023 15:38

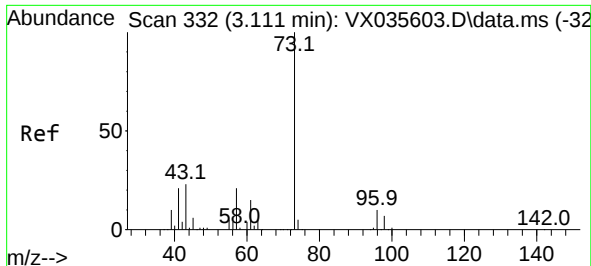
Tgt Ion: 43 Resp: 2682

Ion Ratio Lower Upper

43 100

58 27.0 24.7 37.1





#19

Methyl tert-butyl Ether

Concen: 0.204 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX035837.D

Acq: 24 May 2023 15:38

Instrument :

MSVOA_X

ClientSampleId :

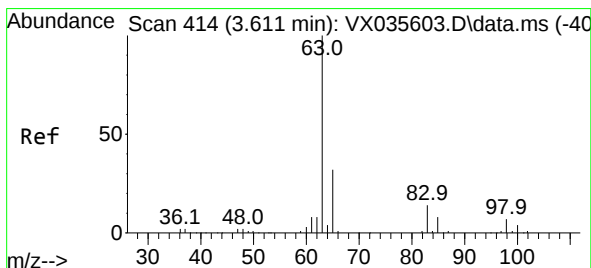
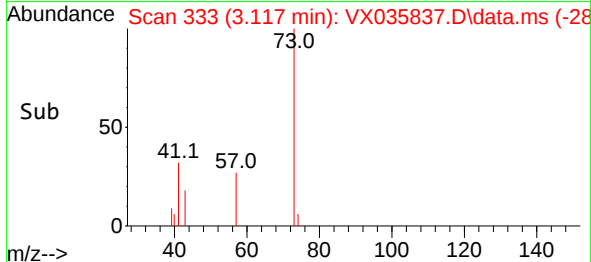
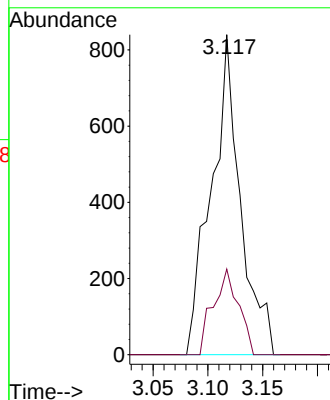
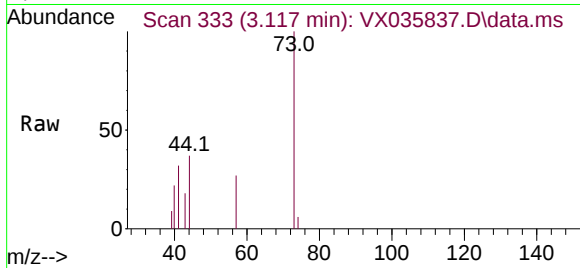
TT172S1-20230523

Tgt Ion: 73 Resp: 1554

Ion Ratio Lower Upper

73 100

57 26.8 18.5 27.7



#24

1,1-Dichloroethane

Concen: 0.298 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.012 min

Lab File: VX035837.D

Acq: 24 May 2023 15:38

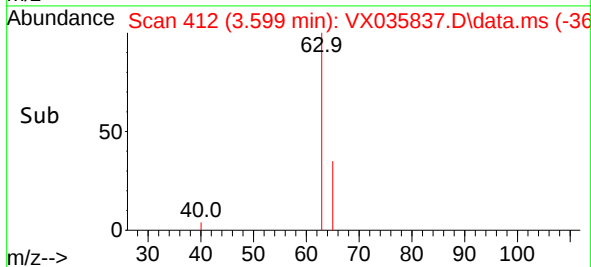
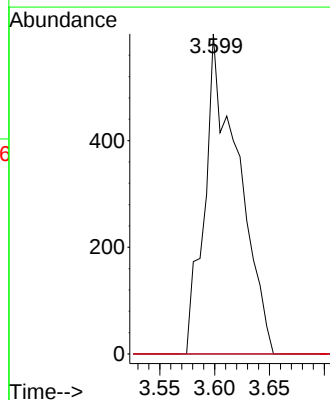
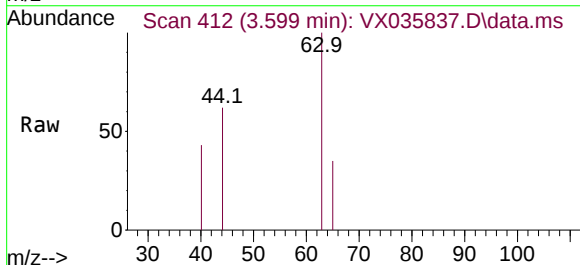
Tgt Ion: 63 Resp: 1276

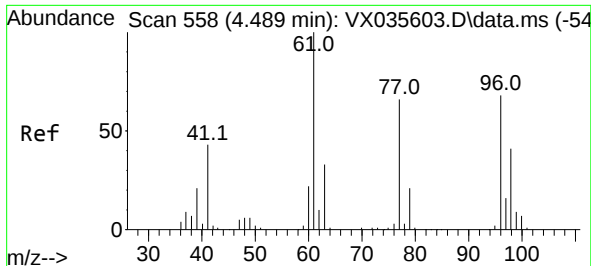
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.4 7.1#





#27

cis-1,2-Dichloroethene

Concen: 0.241 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX035837.D

Acq: 24 May 2023 15:38

Instrument :

MSVOA_X

ClientSampleId :

TT172S1-20230523

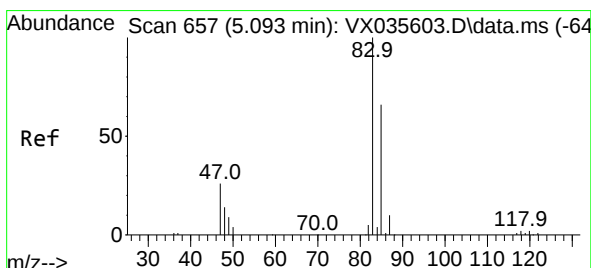
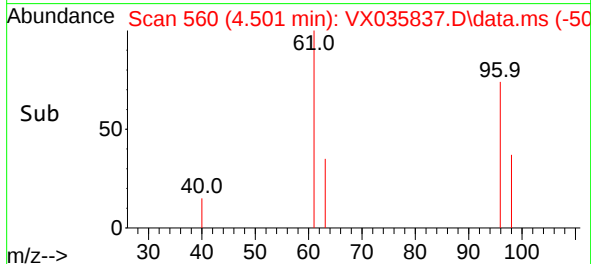
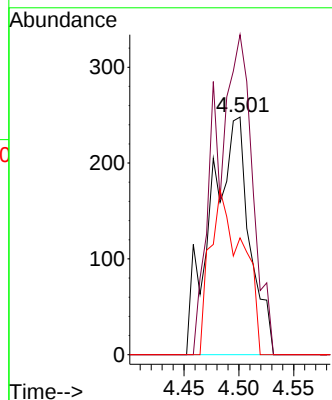
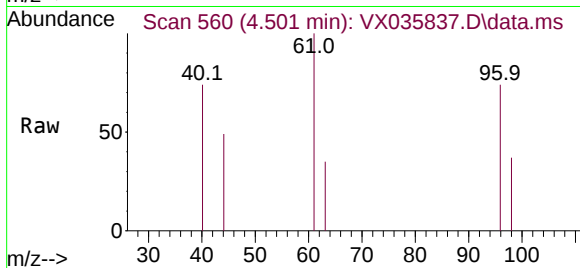
Tgt Ion: 96 Resp: 608

Ion Ratio Lower Upper

96 100

61 129.1 0.0 300.4

98 58.1 0.0 129.0



#30

Chloroform

Concen: 0.353 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.005 min

Lab File: VX035837.D

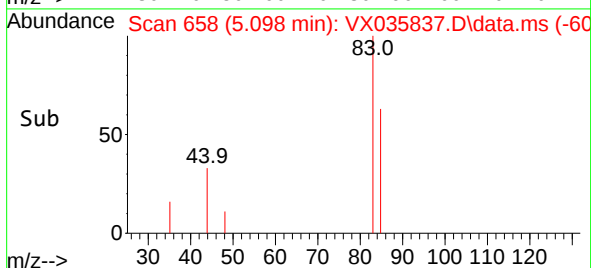
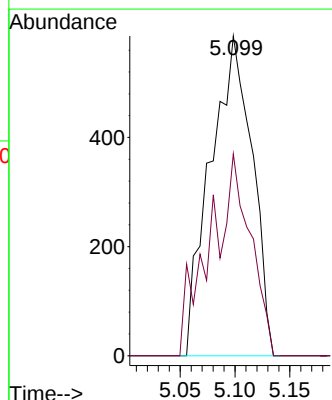
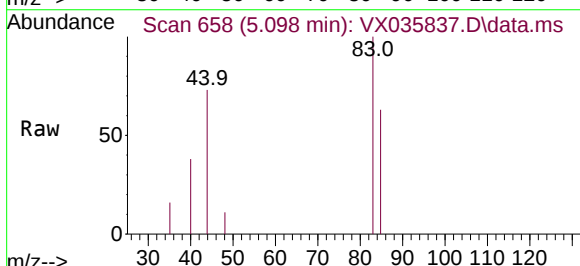
Acq: 24 May 2023 15:38

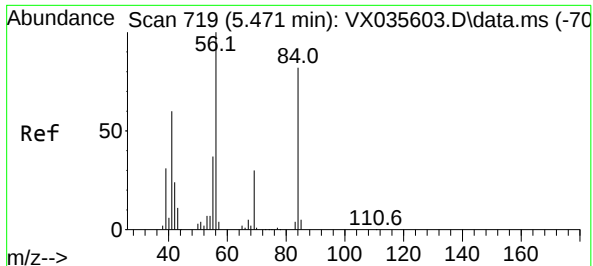
Tgt Ion: 83 Resp: 1553

Ion Ratio Lower Upper

83 100

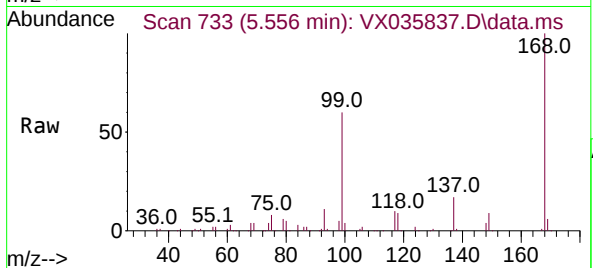
85 63.1 50.6 76.0



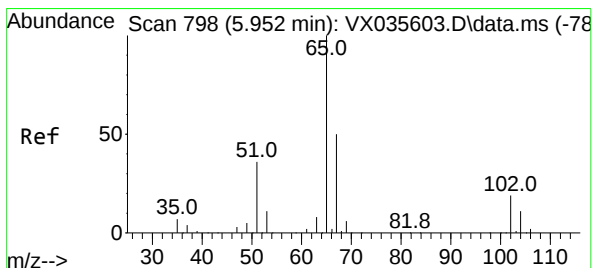
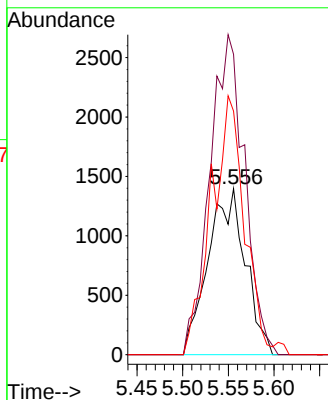
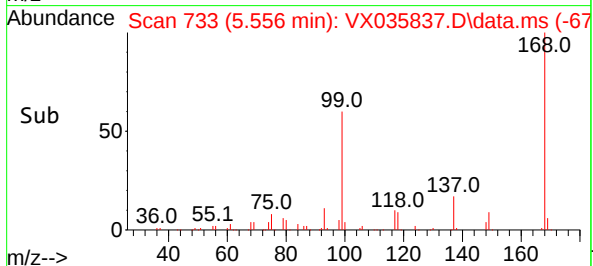


#31
Cyclohexane
Concen: 1.043 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20230523

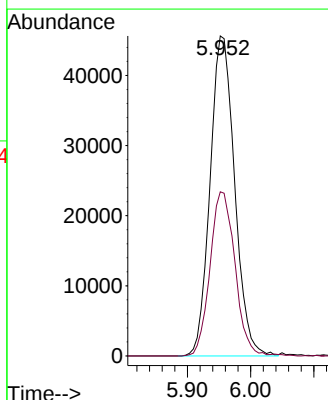
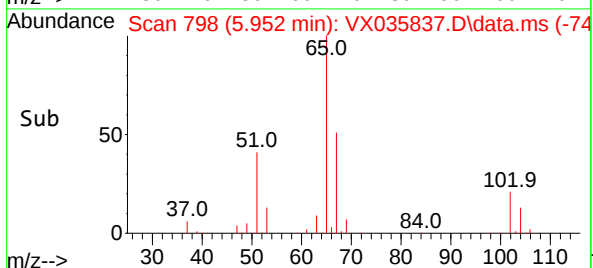
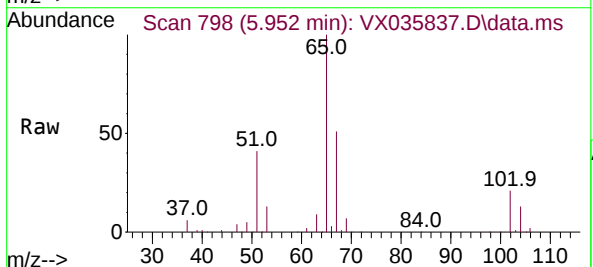


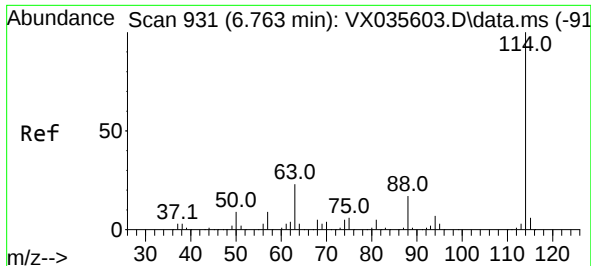
Tgt Ion: 56 Resp: 3946
Ion Ratio Lower Upper
56 100
69 180.9 23.7 35.5#
84 146.7 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 41.138 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

Tgt Ion: 65 Resp: 123169
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.0

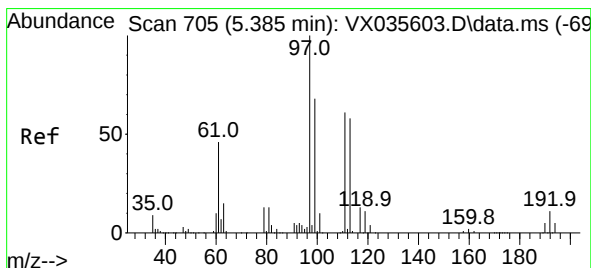
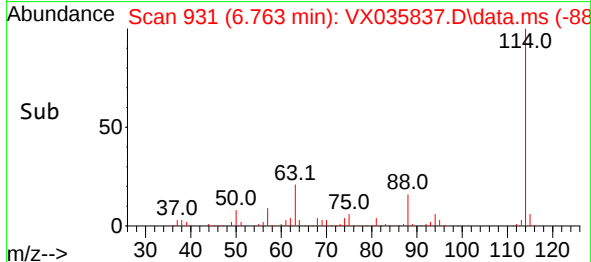
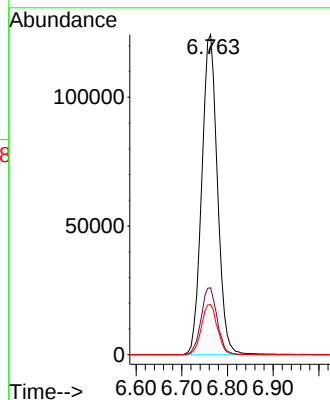
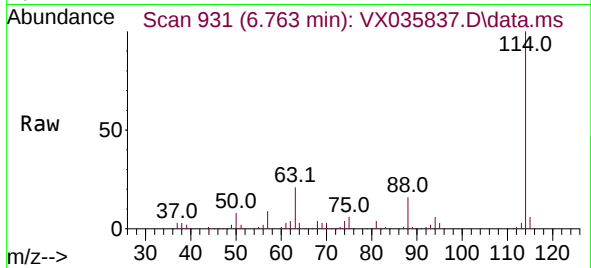




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

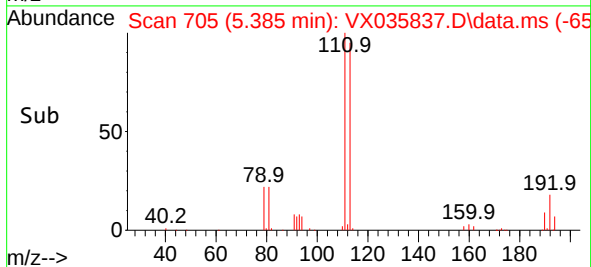
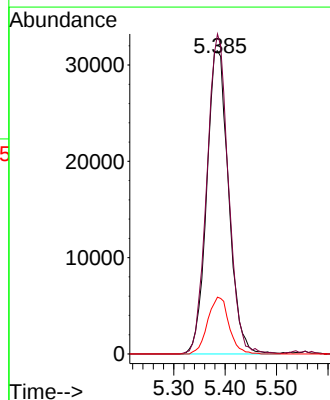
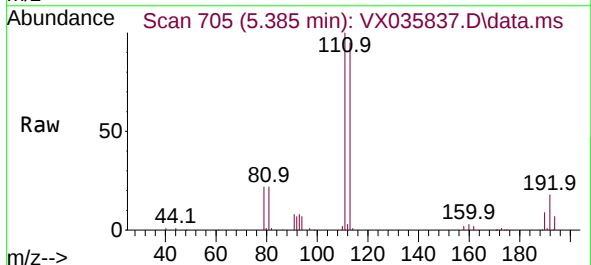
Instrument :
MSVOA_X
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TT172S1-20230523

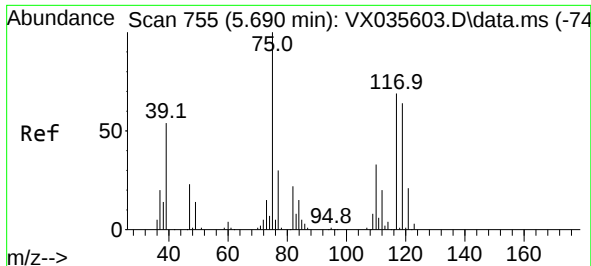
Tgt Ion:114 Resp: 295498
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.2
88 15.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 46.720 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

Tgt Ion:113 Resp: 93105
Ion Ratio Lower Upper
113 100
111 104.0 83.7 125.5
192 18.2 15.4 23.2

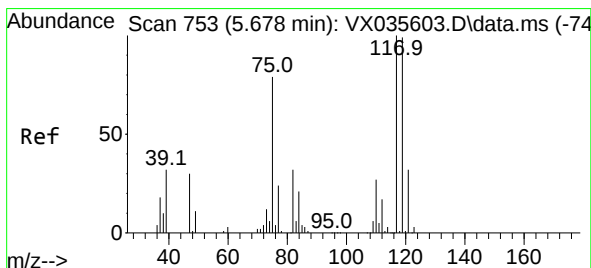
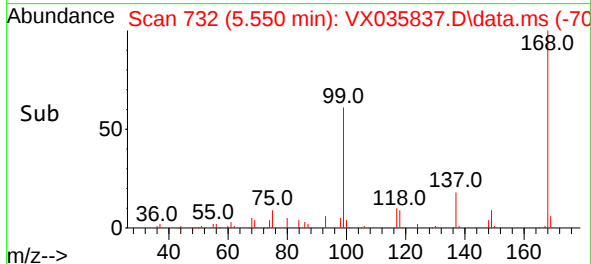
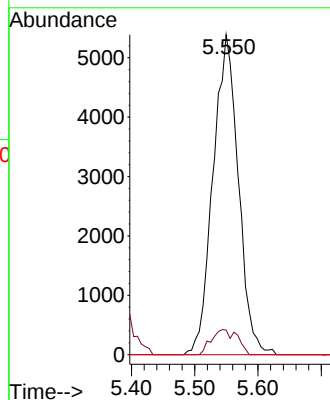
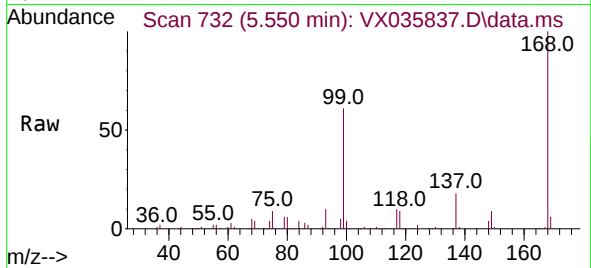




#36
1,1-Dichloropropene
Concen: 4.759 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

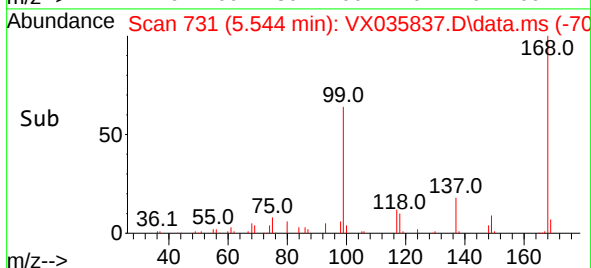
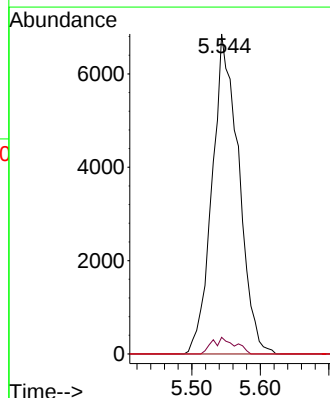
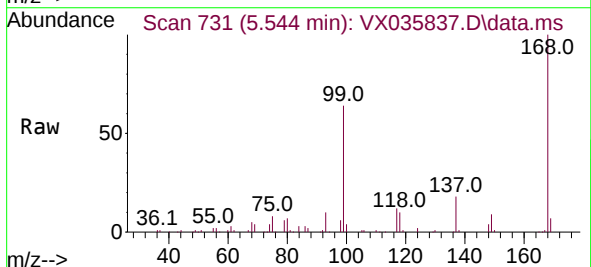
Instrument :
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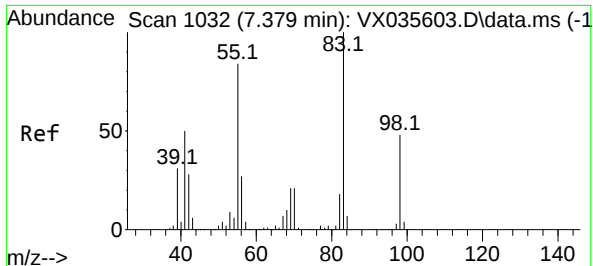
Tgt Ion: 75 Resp: 14970
Ion Ratio Lower Upper
75 100
110 8.1 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.184 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

Tgt Ion: 117 Resp: 18426
Ion Ratio Lower Upper
117 100
119 5.2 76.6 114.8#
121 0.0 23.8 35.6#





#39

Methylcyclohexane

Concen: 0.227 ug/l

RT: 7.116 min Scan# 91

Delta R.T. -0.263 min

Lab File: VX035837.D

Acq: 24 May 2023 15:38

Instrument :

MSVOA_X

ClientSampleId :

TT172S1-20230523

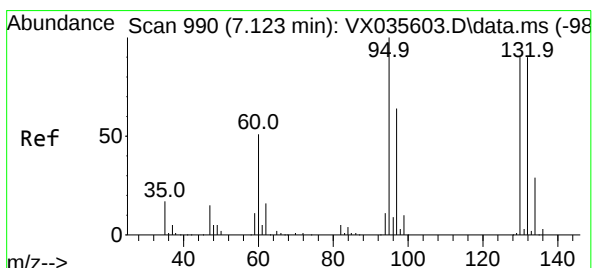
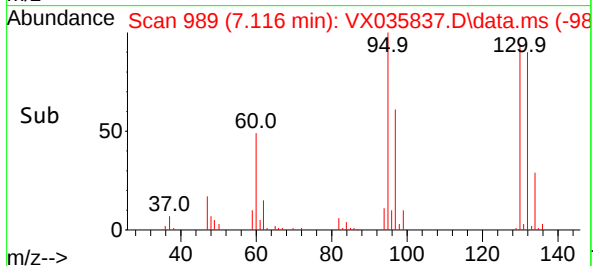
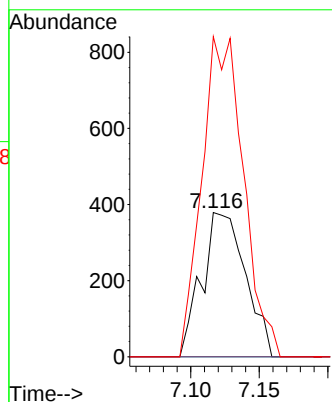
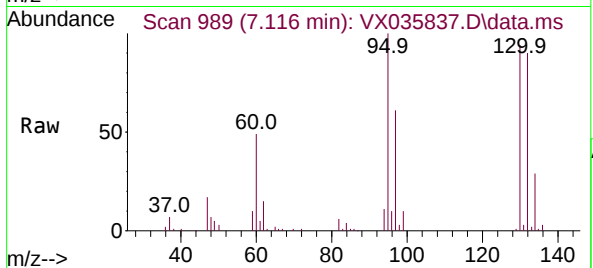
Tgt Ion: 83 Resp: 840

Ion Ratio Lower Upper

83 100

55 0.0 60.5 90.7#

98 221.9 40.4 60.6#



#44

Trichloroethene

Concen: 32.391 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX035837.D

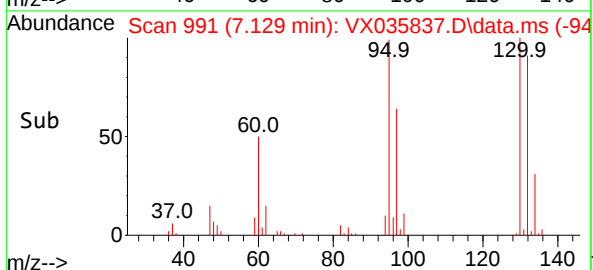
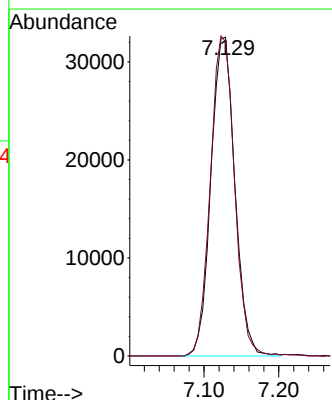
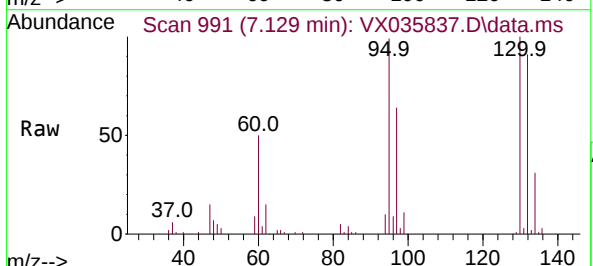
Acq: 24 May 2023 15:38

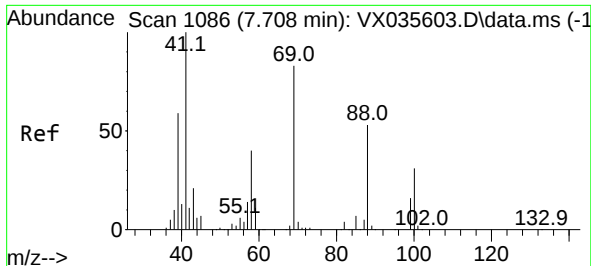
Tgt Ion:130 Resp: 72274

Ion Ratio Lower Upper

130 100

95 98.6 0.0 198.4





#49

1,4-Dioxane

Concen: 7.220 ug/l

RT: 7.738 min Scan# 1086

Delta R.T. 0.030 min

Lab File: VX035837.D

Acq: 24 May 2023 15:38

Instrument :

MSVOA_X

ClientSampleId :

TT172S1-20230523

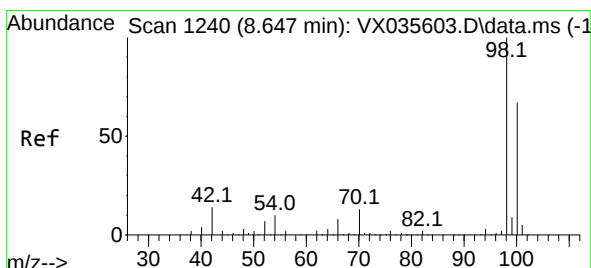
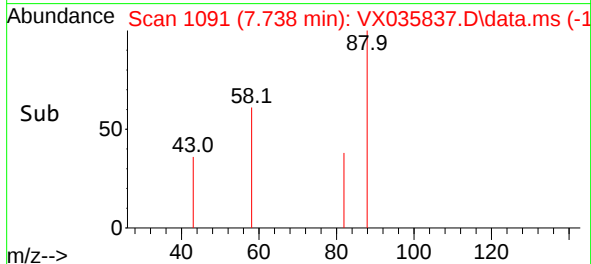
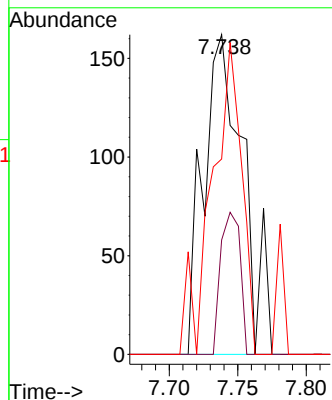
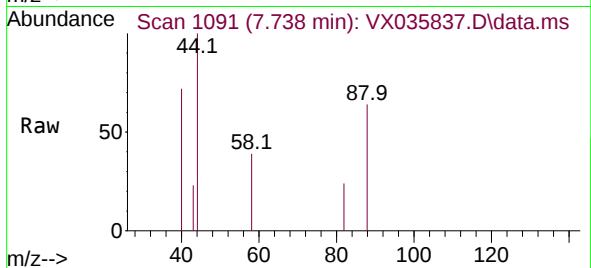
Tgt Ion: 88 Resp: 327

Ion Ratio Lower Upper

88 100

43 21.7 27.7 41.5#

58 73.4 56.8 85.2



#50

Toluene-d8

Concen: 44.190 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035837.D

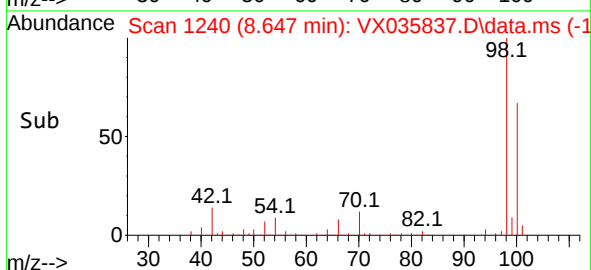
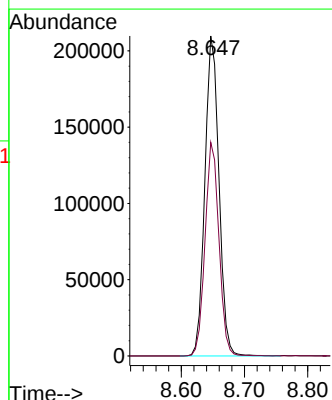
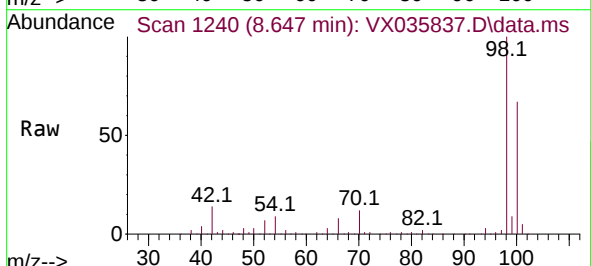
Acq: 24 May 2023 15:38

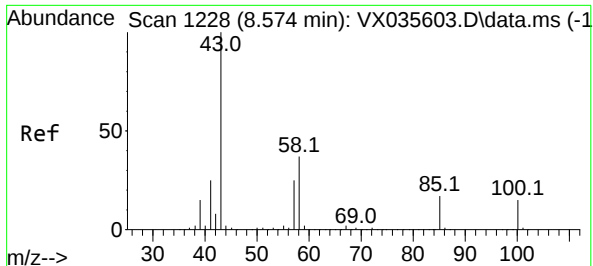
Tgt Ion: 98 Resp: 325328

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7

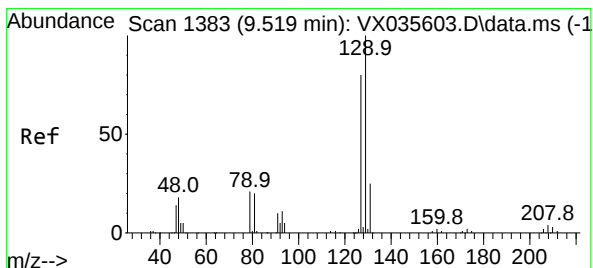
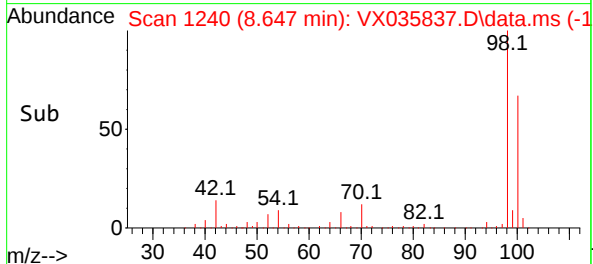
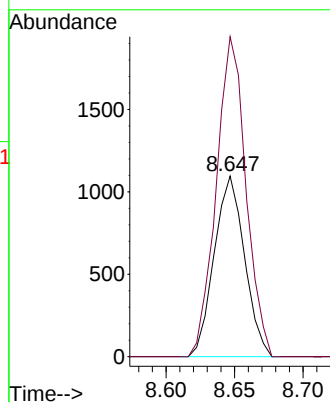
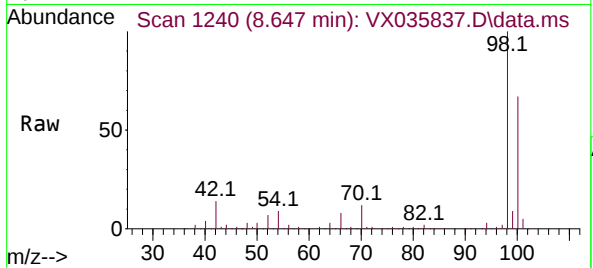




#51
4-Methyl-2-Pentanone
Concen: 0.511 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

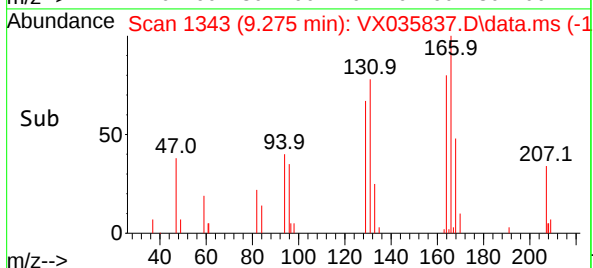
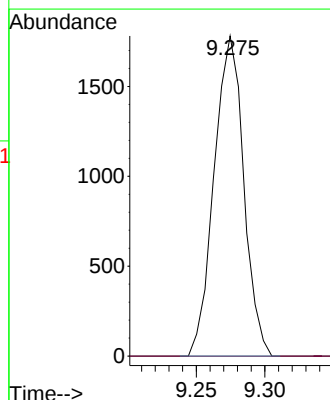
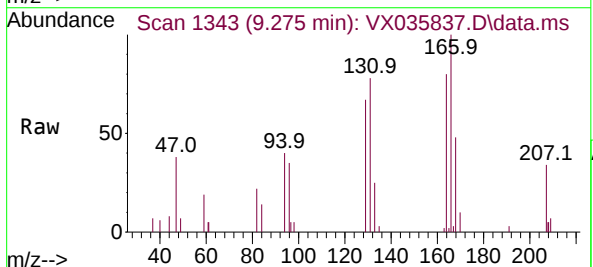
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20230523

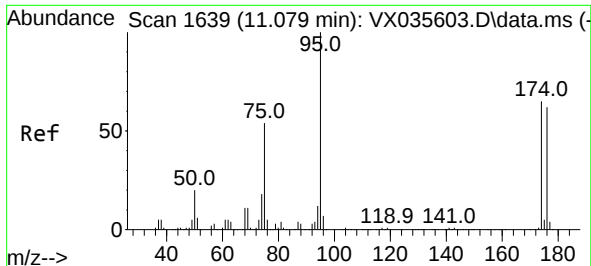
Tgt Ion: 43 Resp: 1685
Ion Ratio Lower Upper
43 100
58 173.7 30.6 46.0#



#60
Dibromochloromethane
Concen: 1.287 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

Tgt Ion: 129 Resp: 2677
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

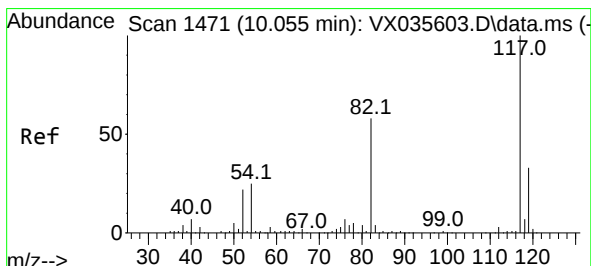
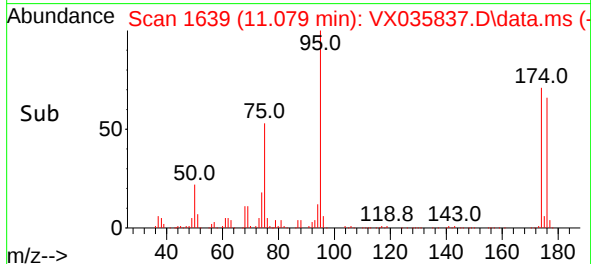
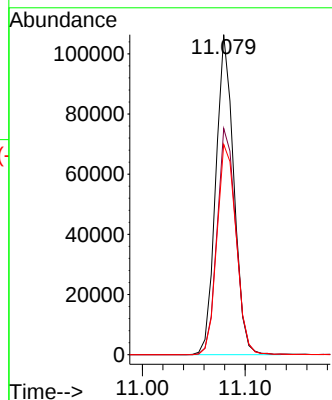
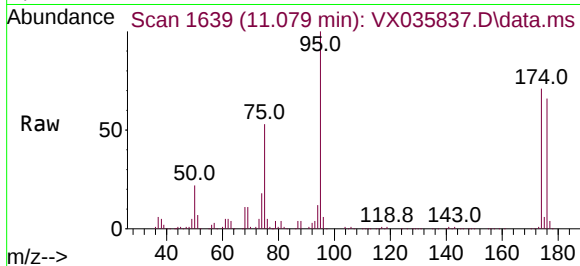




#62
4-Bromofluorobenzene
Concen: 43.748 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

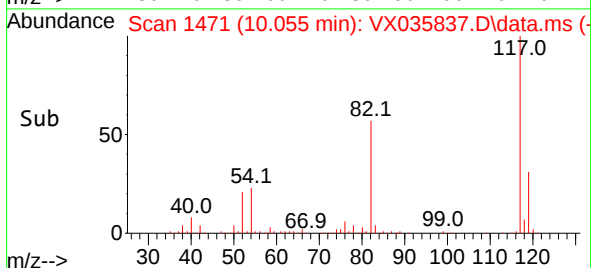
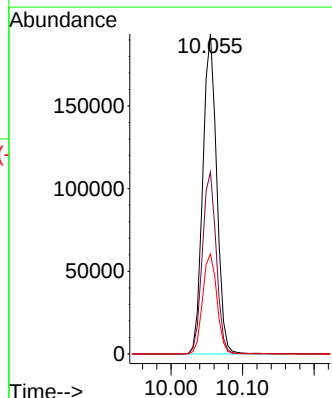
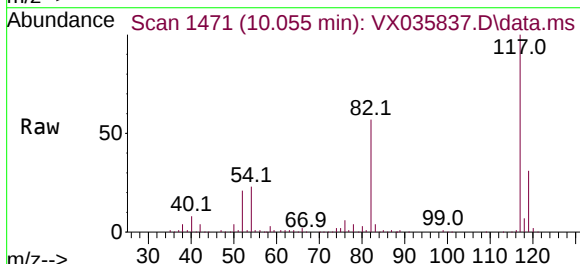
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20230523

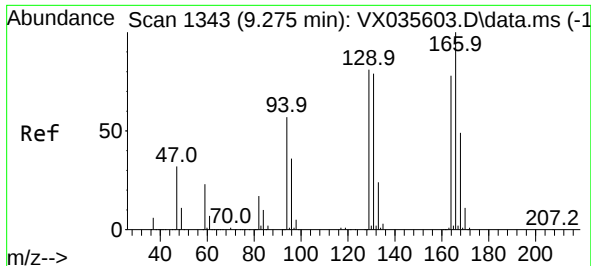
Tgt Ion: 95 Resp: 129680
Ion Ratio Lower Upper
95 100
174 73.4 0.0 147.4
176 70.1 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

Tgt Ion: 117 Resp: 261740
Ion Ratio Lower Upper
117 100
82 56.8 45.0 67.4
119 31.3 26.0 39.0

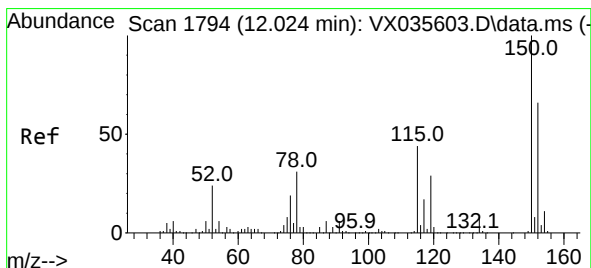
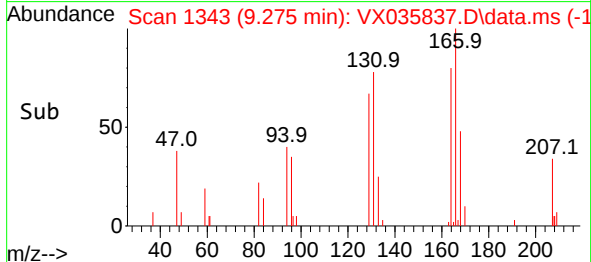
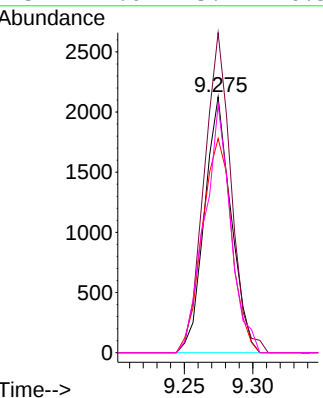
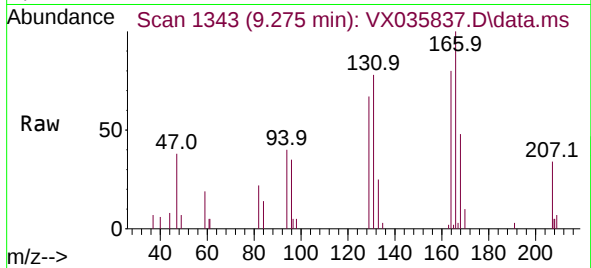




#64
Tetrachloroethene
Concen: 1.626 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

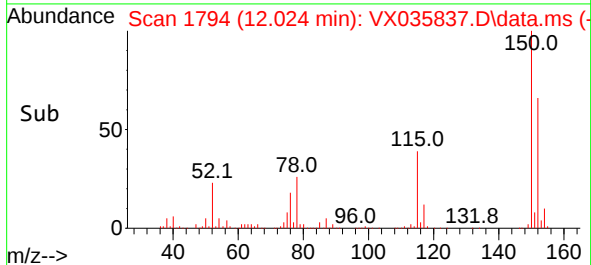
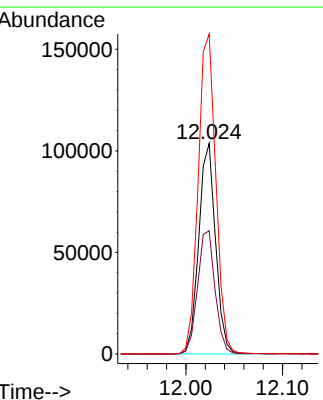
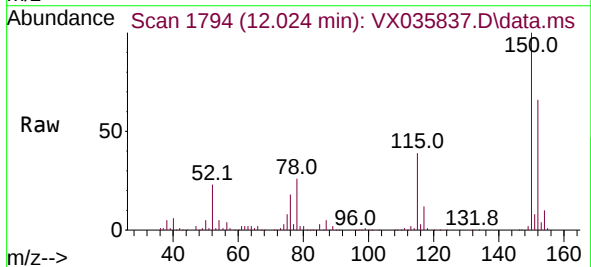
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20230523

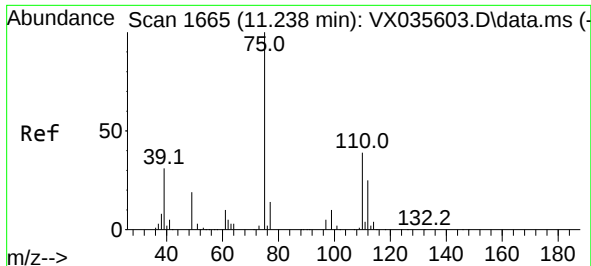
Tgt Ion:164	Resp:	2866
Ion Ratio	Lower	Upper
164	100	
166	125.1	102.7 154.1
129	83.7	75.6 113.4
131	97.0	73.7 110.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

Tgt Ion:152	Resp:	125444
Ion Ratio	Lower	Upper
152	100	
115	60.9	45.0 135.0
150	159.4	0.0 352.4

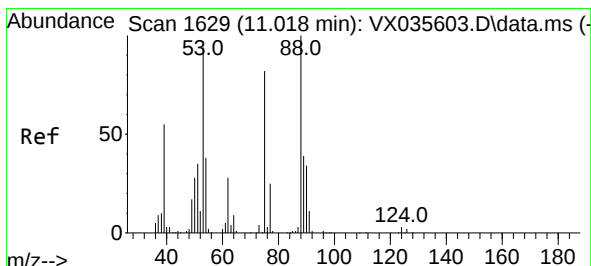
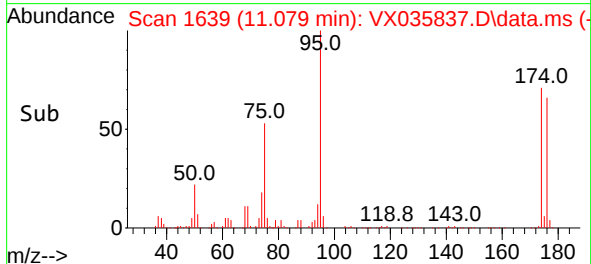
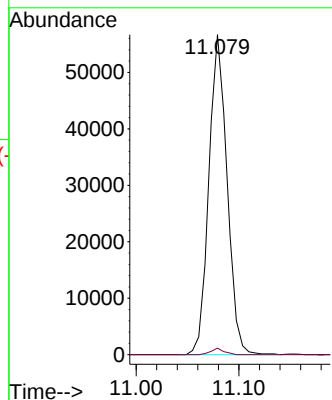
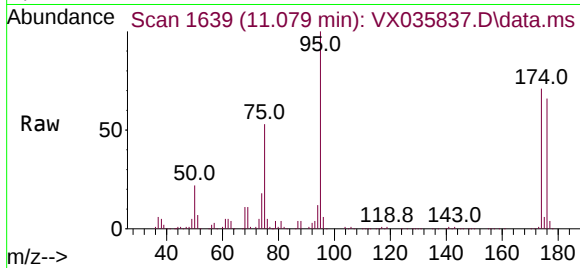




#76
1,2,3-Trichloropropane
Concen: 22.731 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20230523

Tgt Ion: 75 Resp: 69747
Ion Ratio Lower Upper
75 100
77 1.4 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.258 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035837.D
Acq: 24 May 2023 15:38

Tgt Ion: 75 Resp: 69747
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

