

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052523\
 Data File : VX035870.D
 Acq On : 25 May 2023 21:47
 Operator : JC/MD
 Sample : 02911-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20230522

Quant Time: May 26 07:26:27 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)

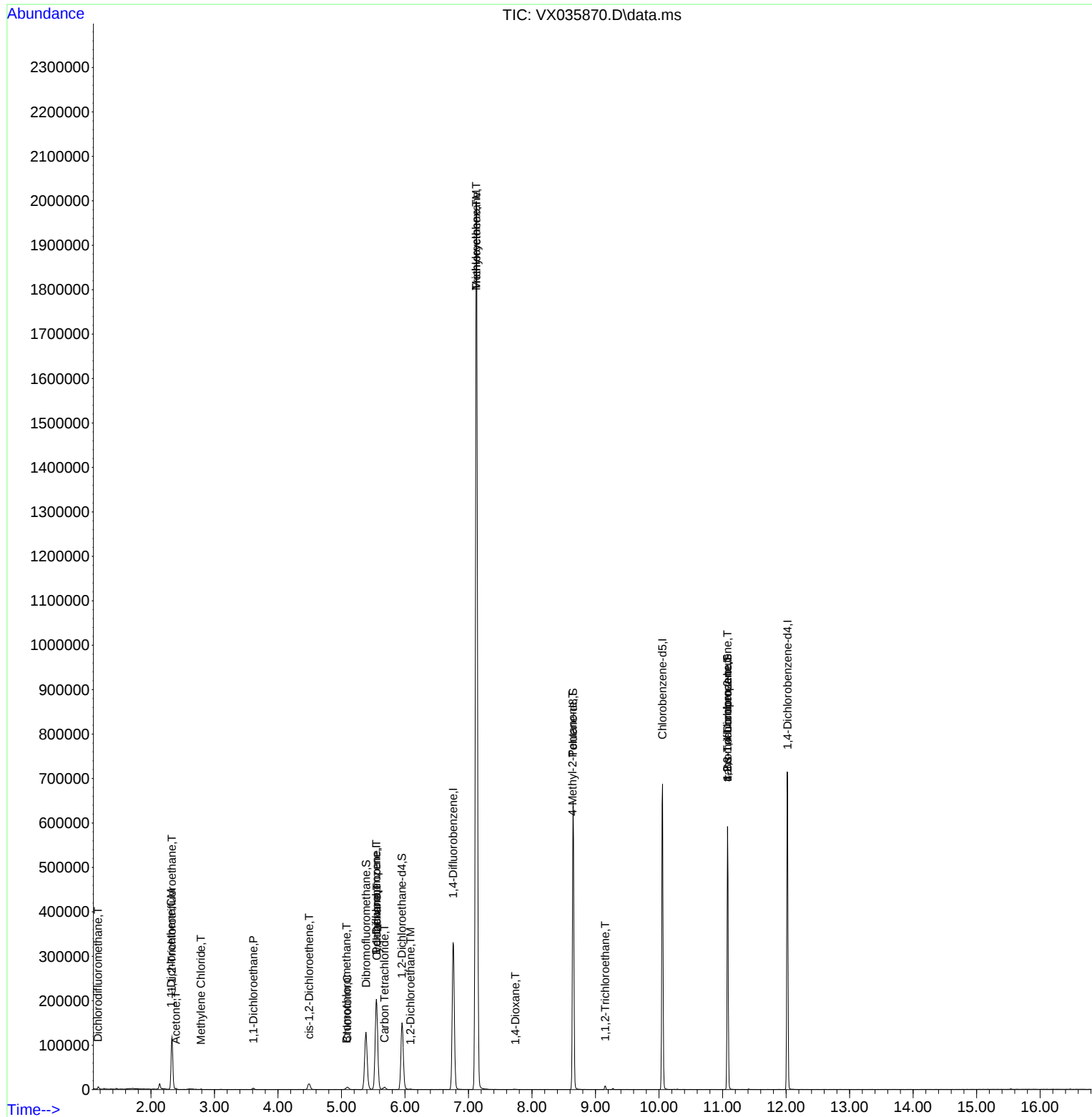
Internal Standards						
1) Pentafluorobenzene	5.550	168	184924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	330263	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	293539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	140651	43.598	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.200%
35) Dibromofluoromethane	5.385	113	109481	49.154	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.300%
50) Toluene-d8	8.647	98	365889	44.468	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	88.940%#
62) 4-Bromofluorobenzene	11.079	95	148009	44.675	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2072	0.860	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	40598	18.736	ug/l	98
12) 1,1-Dichloroethene	2.319	96	6081	2.953	ug/l	95
16) Acetone	2.392	43	2329	1.680	ug/l	95
20) Methylene Chloride	2.788	84	513	0.204	ug/l #	83
24) 1,1-Dichloroethane	3.611	63	3266	0.707	ug/l #	91
27) cis-1,2-Dichloroethene	4.489	96	8476	3.125	ug/l	86
28) Bromochloromethane	5.080	49	560	0.269	ug/l #	15
30) Chloroform	5.093	83	6695	1.414	ug/l	91
31) Cyclohexane	5.556	56	4681	1.148	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	15763	4.484	ug/l #	50
38) Carbon Tetrachloride	5.678	117	4391	1.318	ug/l	90
39) Methylcyclohexane	7.123	83	9766	2.360	ug/l #	1
42) 1,2-Dichloroethane	6.086	62	918	0.217	ug/l #	75
44) Trichloroethene	7.123	130	748273	300.051	ug/l	96
49) 1,4-Dioxane	7.738	88	779	13.131	ug/l #	23
51) 4-Methyl-2-Pentanone	8.641	43	1693	0.460	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	1985	0.814	ug/l #	84
76) 1,2,3-Trichloropropane	11.079	75	79539	23.013	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	79539	74.169	ug/l #	8

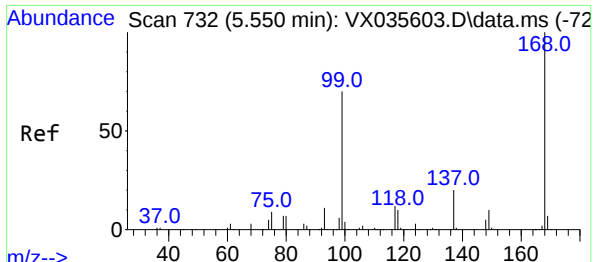
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
RE114D1-20230522

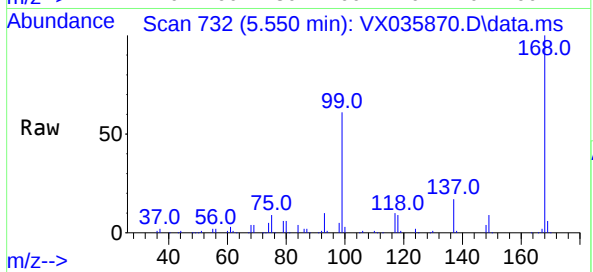
Quant Time: May 26 07:26:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration



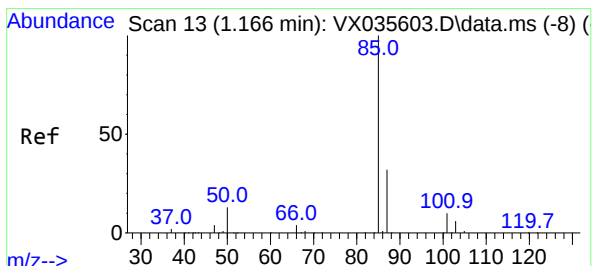
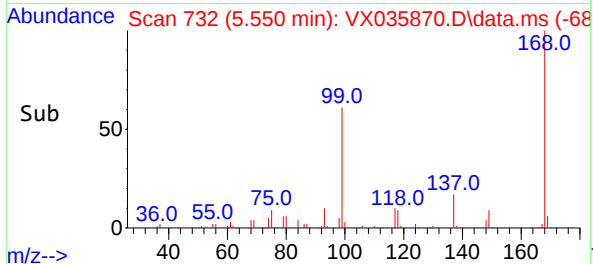
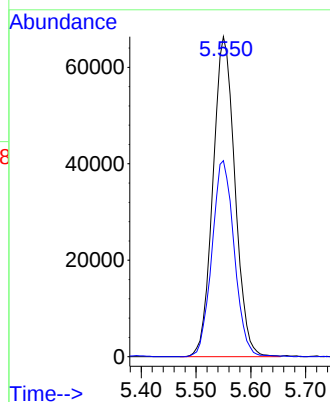


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Instrument :
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ClientSampleId :
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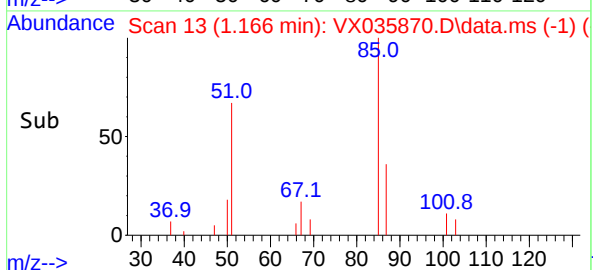
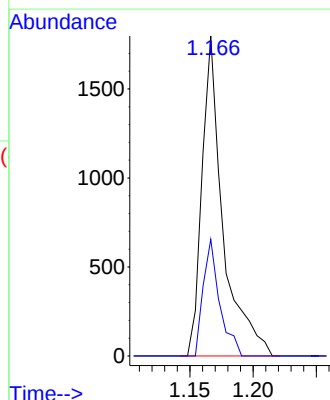
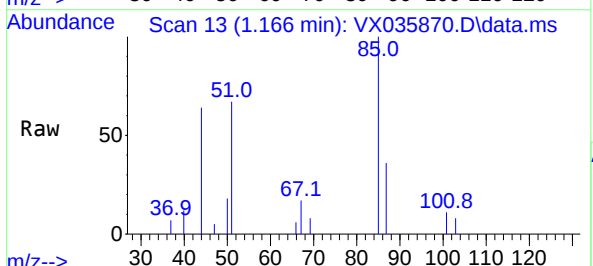


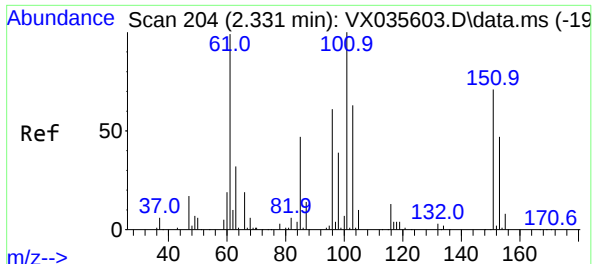
Tgt Ion:168 Resp: 184924
Ion Ratio Lower Upper
168 100
99 61.3 45.7 68.5



#2
Dichlorodifluoromethane
Concen: 0.860 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Tgt Ion: 85 Resp: 2072
Ion Ratio Lower Upper
85 100
87 36.4 16.4 49.1

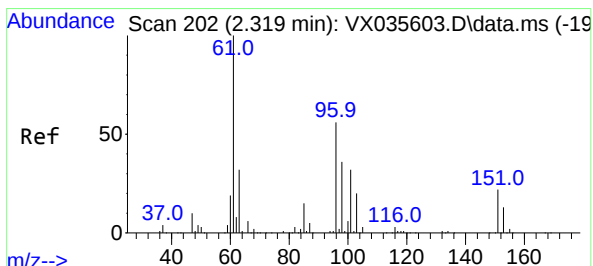
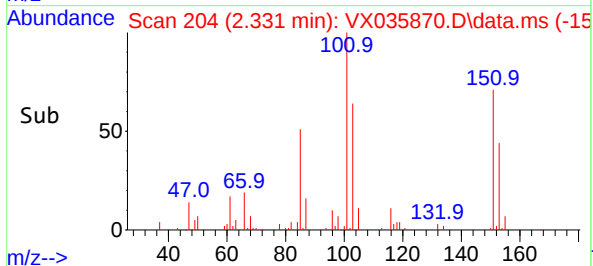
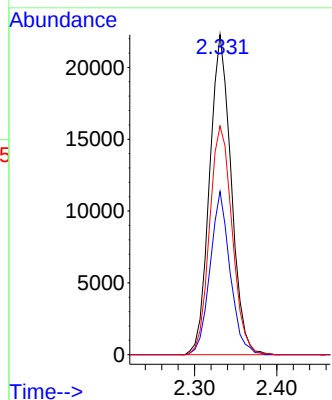
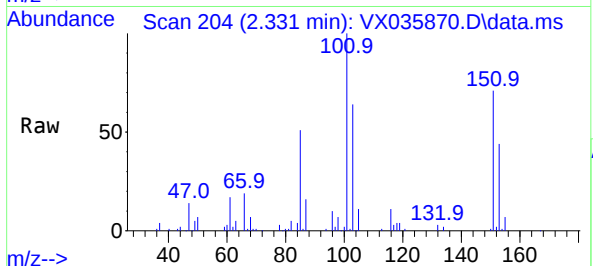




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.736 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

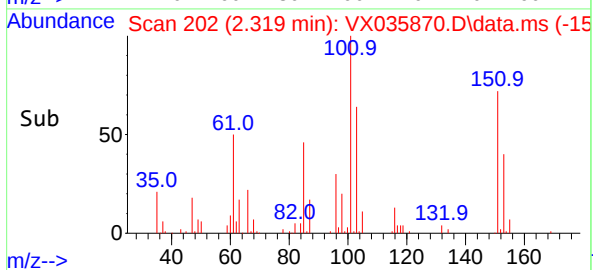
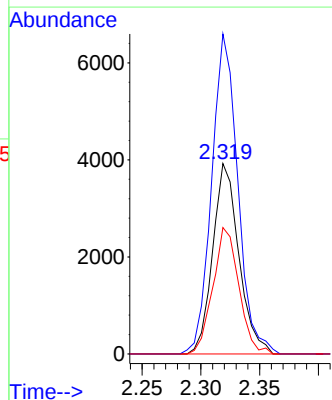
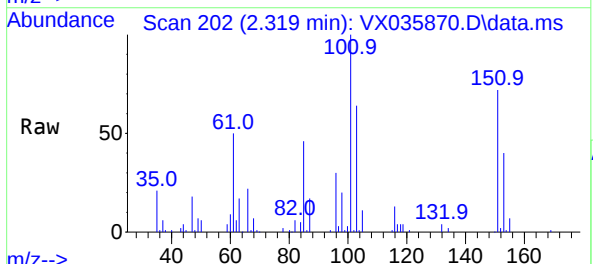
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20230522

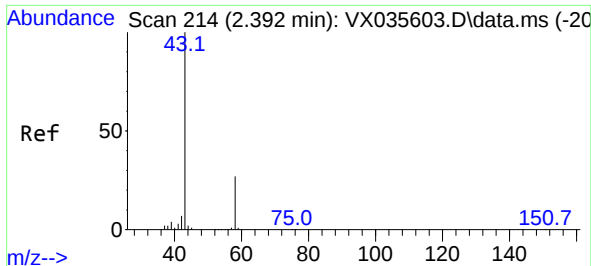
Tgt Ion:101 Resp: 40598
Ion Ratio Lower Upper
101 100
85 47.3 35.4 53.2
151 74.9 60.2 90.4



#12
1,1-Dichloroethene
Concen: 2.953 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Tgt Ion: 96 Resp: 6081
Ion Ratio Lower Upper
96 100
61 168.0 128.8 193.2
98 66.4 51.4 77.0

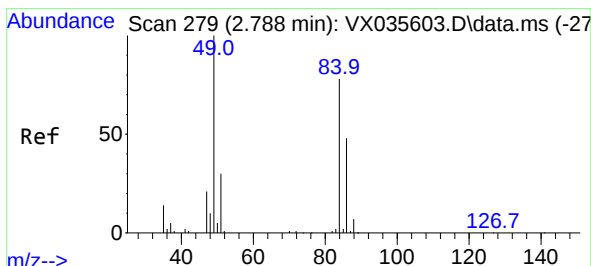
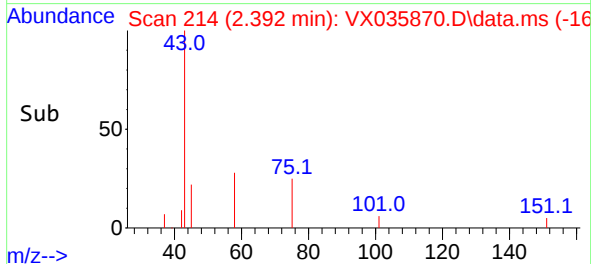
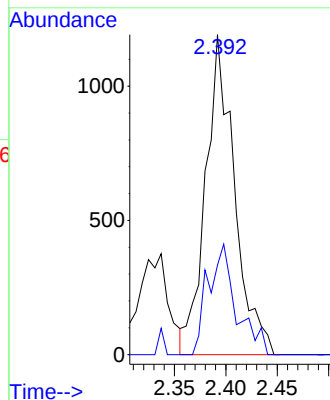
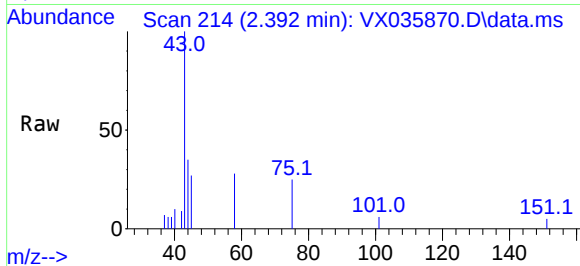




#16
Acetone
Concen: 1.680 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

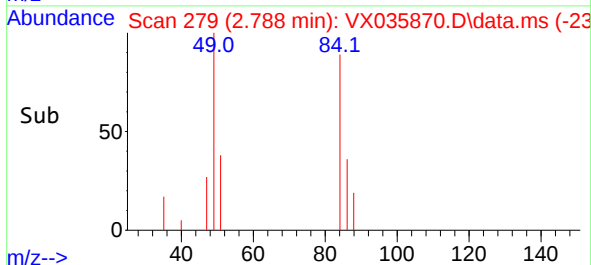
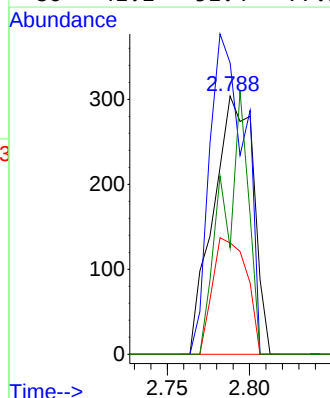
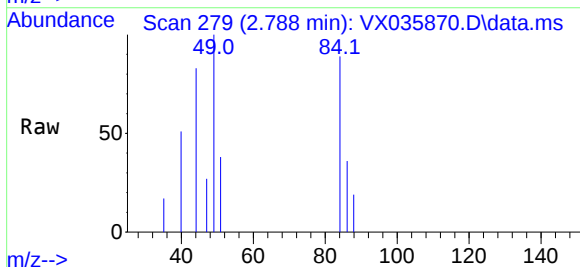
Instrument :
MSVOA_X
ClientSampleId :
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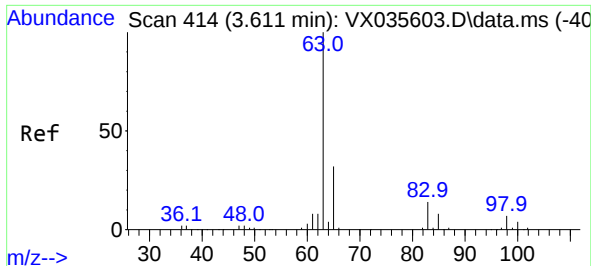
Tgt Ion: 43 Resp: 2329
Ion Ratio Lower Upper
43 100
58 27.9 24.7 37.1



#20
Methylene Chloride
Concen: 0.204 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Tgt Ion: 84 Resp: 513
Ion Ratio Lower Upper
84 100
49 112.8 103.8 155.8
51 43.1 31.8 47.8
86 41.1 51.4 77.2#

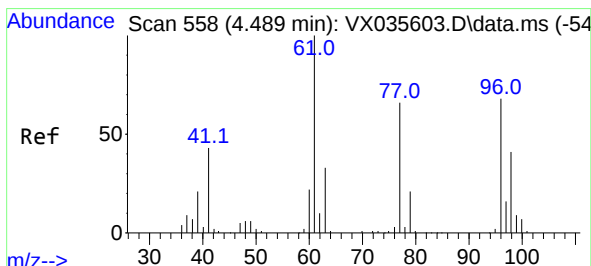
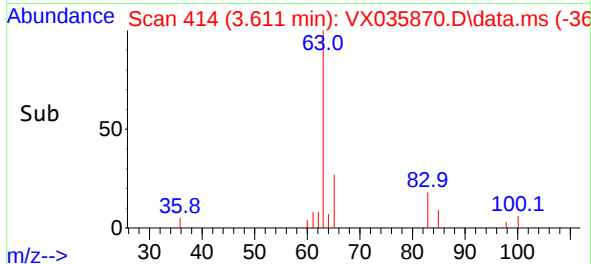
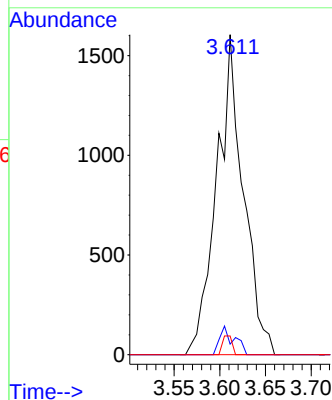
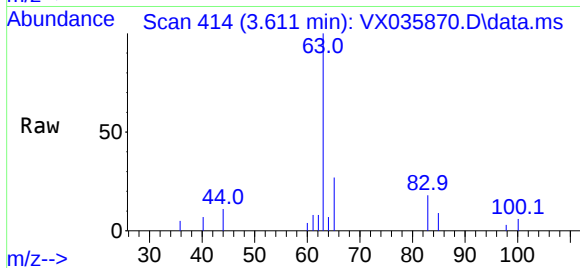




#24
1,1-Dichloroethane
Concen: 0.707 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

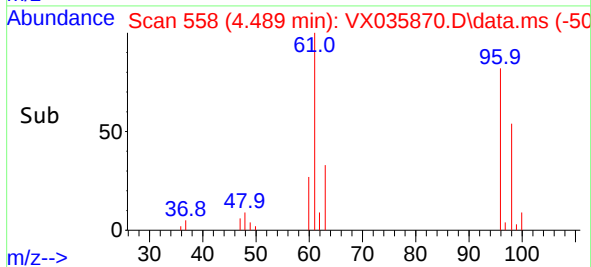
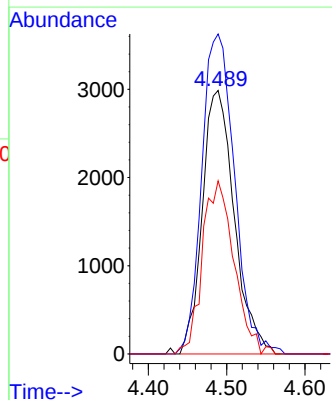
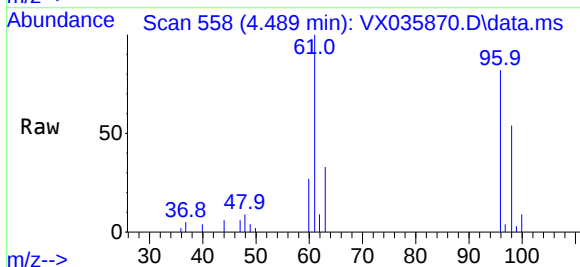
Instrument :
MSVOA_X
ClientSampleId :
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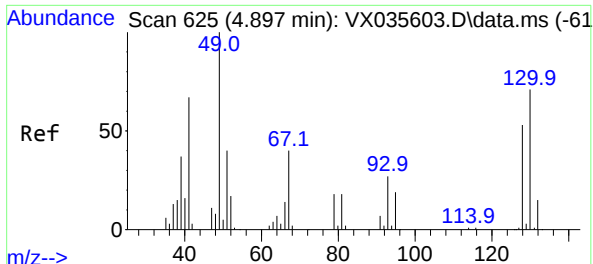
Tgt Ion: 63 Resp: 3266
Ion Ratio Lower Upper
63 100
98 3.3 3.8 11.2#
100 5.9 2.4 7.1



#27
cis-1,2-Dichloroethene
Concen: 3.125 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Tgt Ion: 96 Resp: 8476
Ion Ratio Lower Upper
96 100
61 124.6 0.0 300.4
98 65.1 0.0 129.0

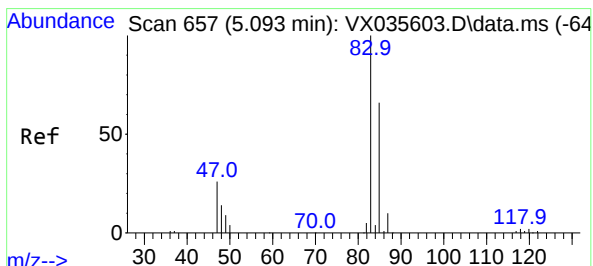
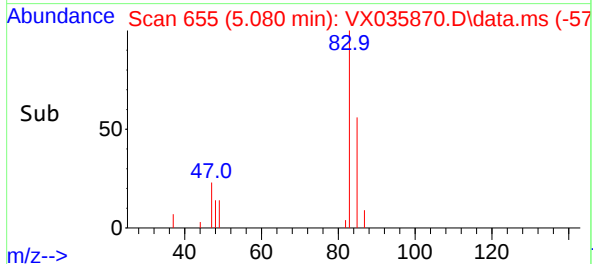
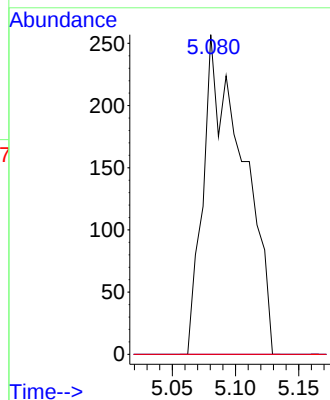
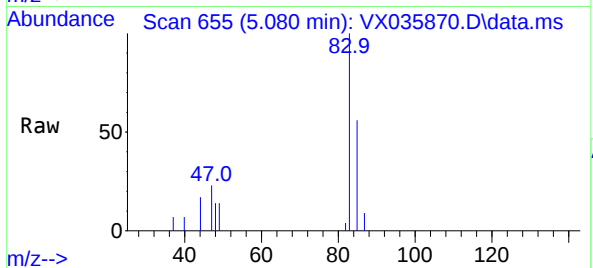




#28
Bromochloromethane
Concen: 0.269 ug/l
RT: 5.080 min Scan# 61
Delta R.T. 0.183 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

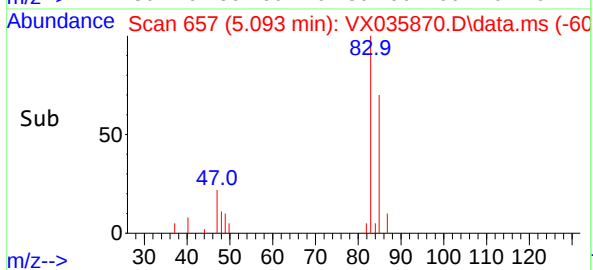
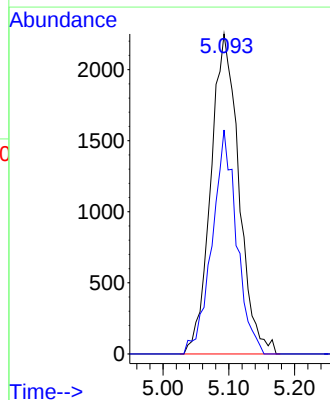
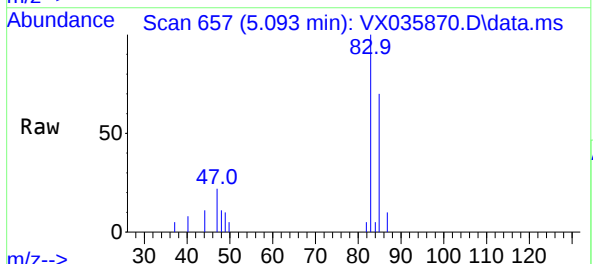
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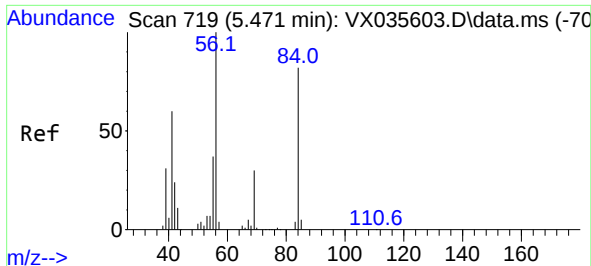
Tgt Ion: 49 Resp: 560
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.2 87.2#



#30
Chloroform
Concen: 1.414 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

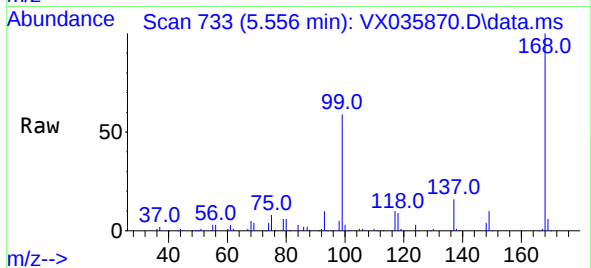
Tgt Ion: 83 Resp: 6695
Ion Ratio Lower Upper
83 100
85 70.0 50.6 76.0



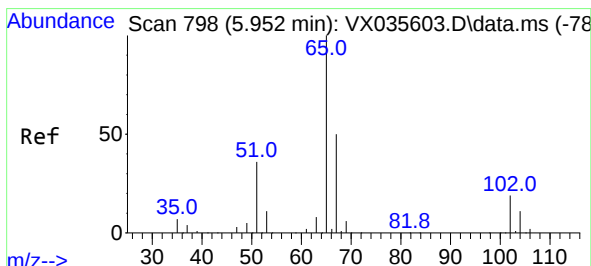
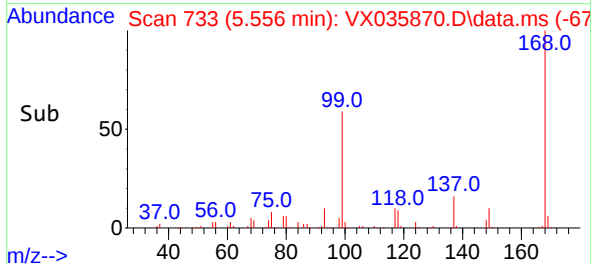
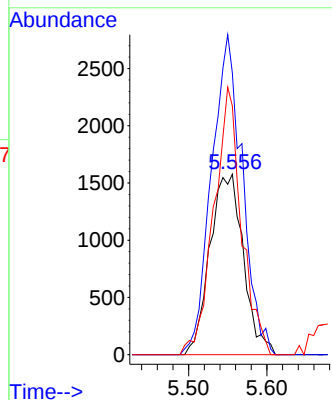


#31
Cyclohexane
Concen: 1.148 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Instrument :
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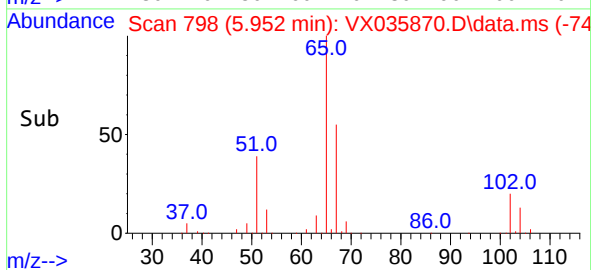
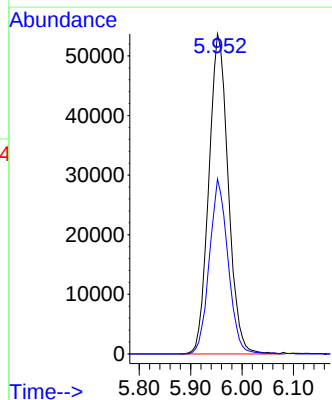
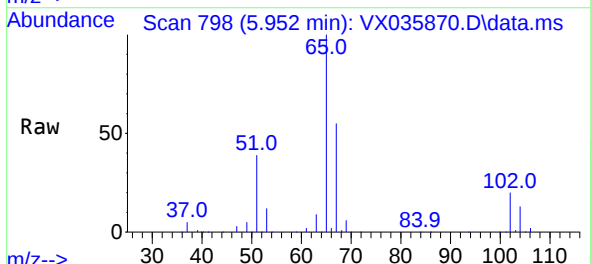


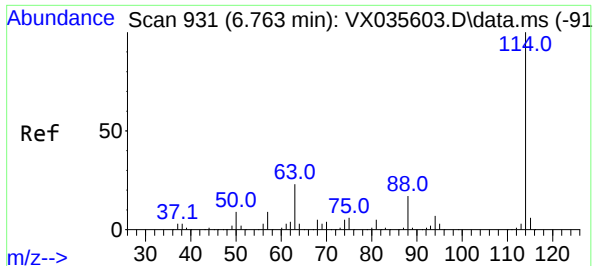
Tgt Ion: 56 Resp: 4681
Ion Ratio Lower Upper
56 100
69 156.1 23.7 35.5#
84 137.7 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 43.598 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Tgt Ion: 65 Resp: 140651
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.0

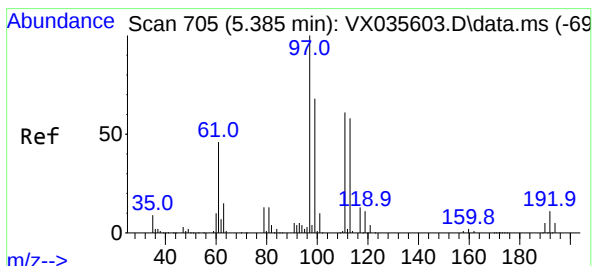
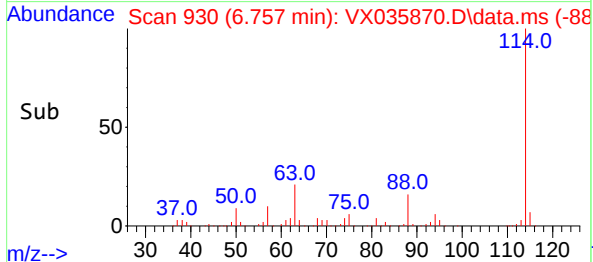
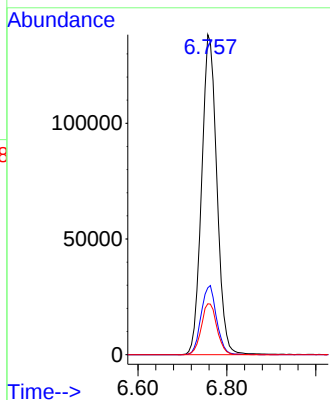
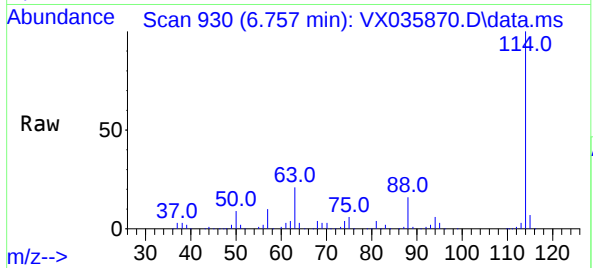




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

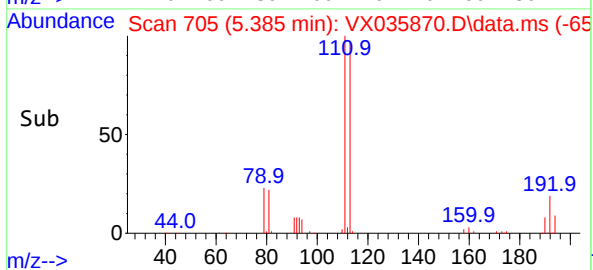
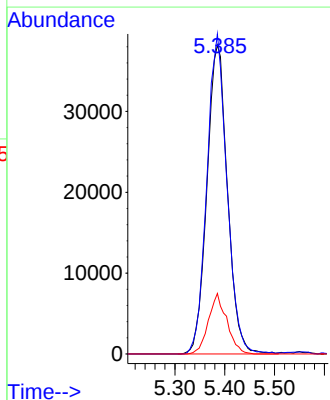
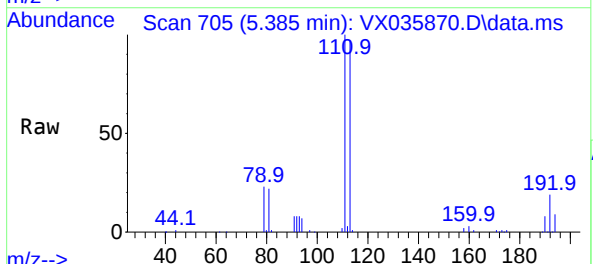
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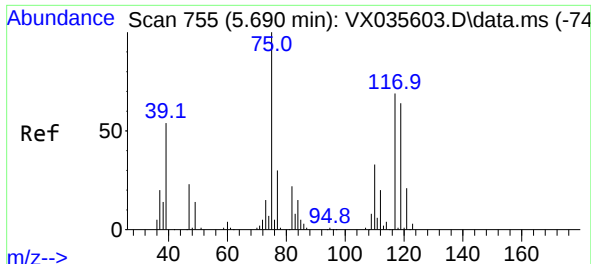
Tgt Ion:114 Resp: 330263
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.2
88 15.9 0.0 33.2



#35
Dibromofluoromethane
Concen: 49.154 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Tgt Ion:113 Resp: 109481
Ion Ratio Lower Upper
113 100
111 101.5 83.7 125.5
192 17.5 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.484 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX035870.D

Acq: 25 May 2023 21:47

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20230522

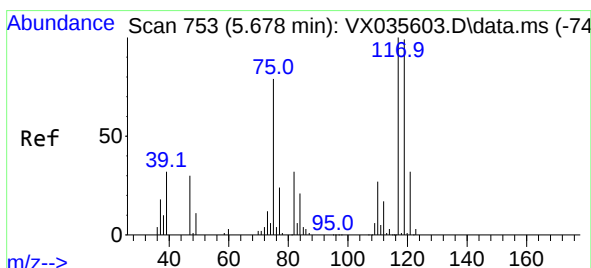
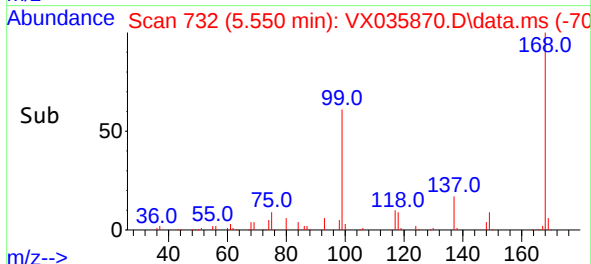
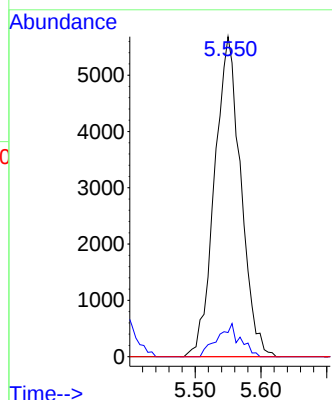
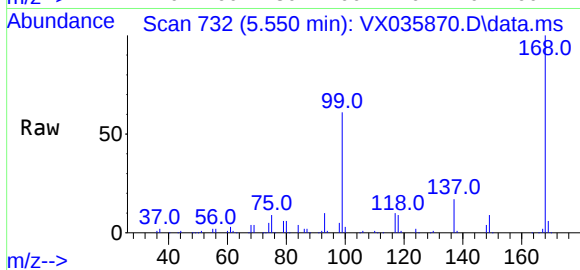
Tgt Ion: 75 Resp: 15763

Ion Ratio Lower Upper

75 100

110 9.0 17.5 52.5#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 1.318 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX035870.D

Acq: 25 May 2023 21:47

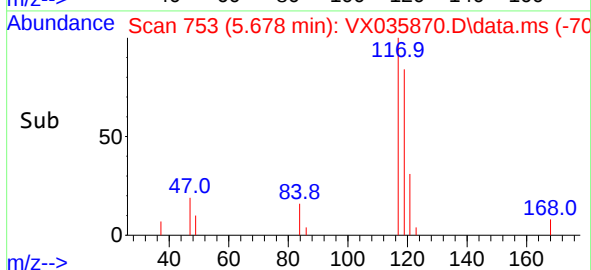
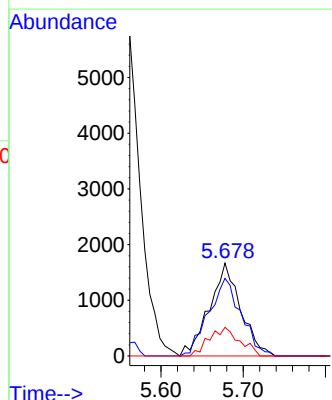
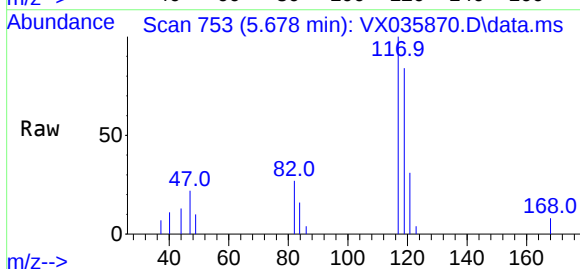
Tgt Ion: 117 Resp: 4391

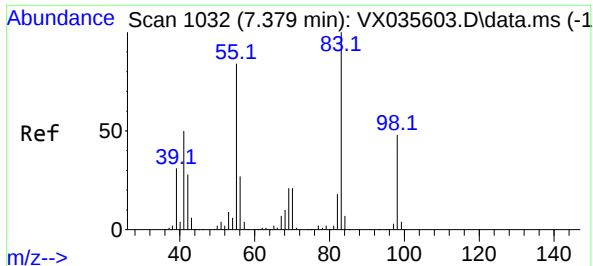
Ion Ratio Lower Upper

117 100

119 83.5 76.6 114.8

121 30.9 23.8 35.6





#39

Methylcyclohexane

Concen: 2.360 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX035870.D

Acq: 25 May 2023 21:47

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20230522

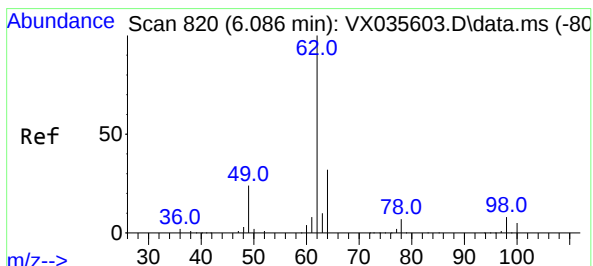
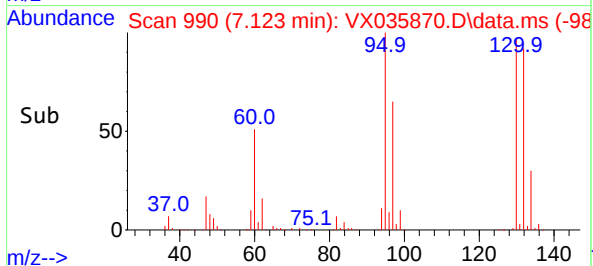
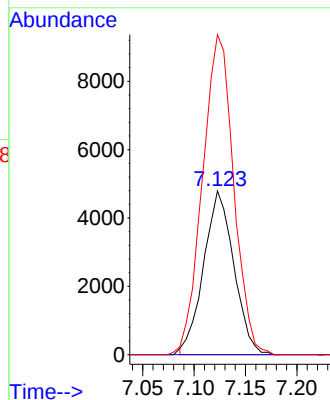
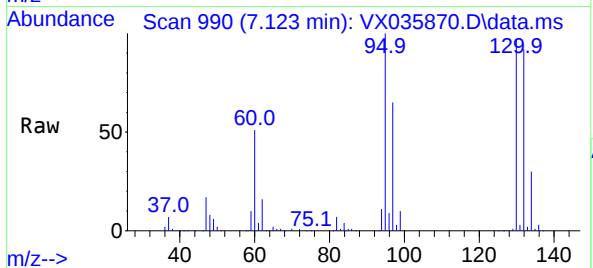
Tgt Ion: 83 Resp: 9766

Ion Ratio Lower Upper

83 100

55 0.0 60.5 90.7#

98 192.8 40.4 60.6#



#42

1,2-Dichloroethane

Concen: 0.217 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX035870.D

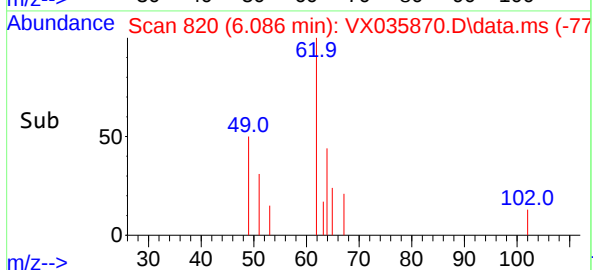
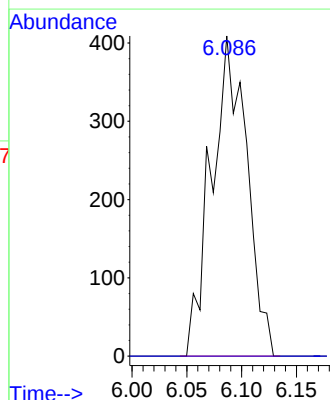
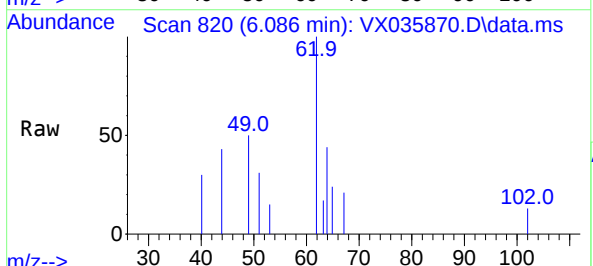
Acq: 25 May 2023 21:47

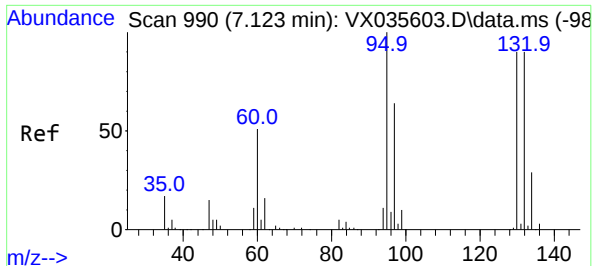
Tgt Ion: 62 Resp: 918

Ion Ratio Lower Upper

62 100

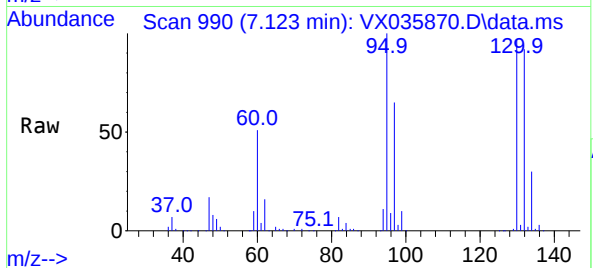
98 0.0 0.0 18.0



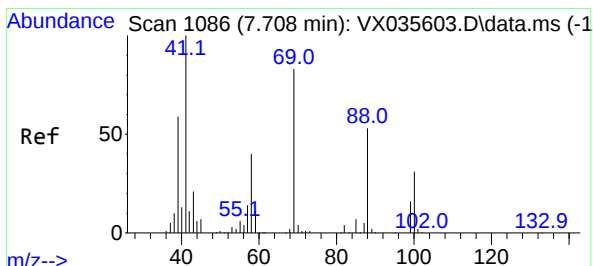
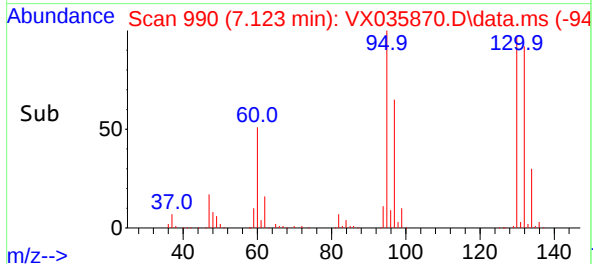
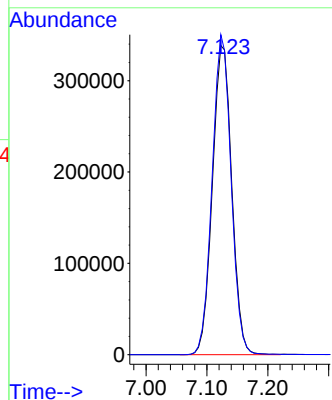


#44
Trichloroethene
Concen: 300.051 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20230522

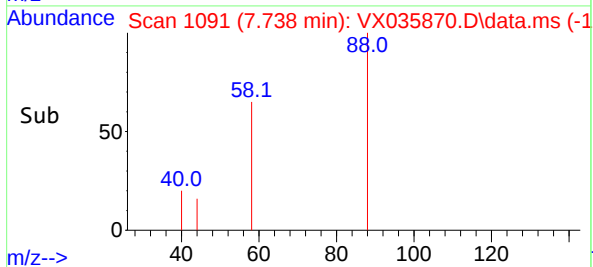
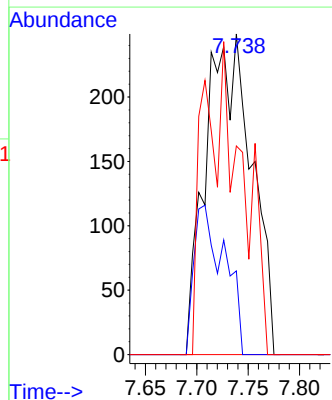
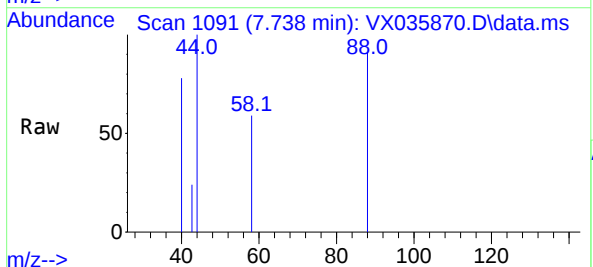


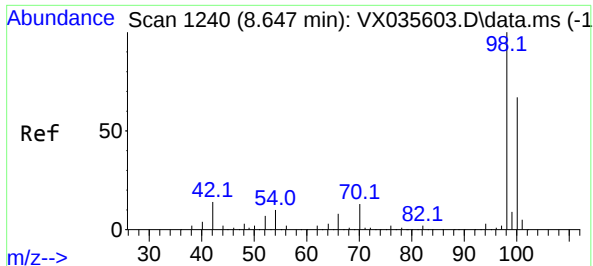
Tgt Ion:130 Resp: 748273
Ion Ratio Lower Upper
130 100
95 103.5 0.0 198.4



#49
1,4-Dioxane
Concen: 13.131 ug/l
RT: 7.738 min Scan# 1091
Delta R.T. 0.030 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Tgt Ion: 88 Resp: 779
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 0.0 56.8 85.2#

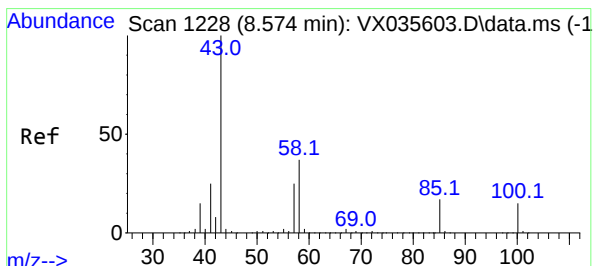
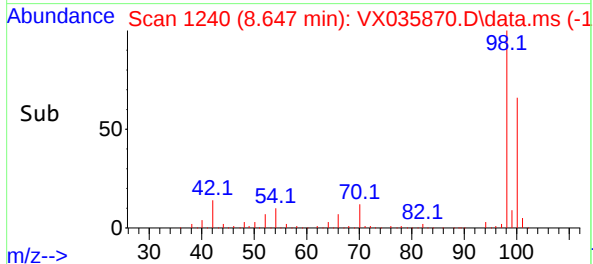
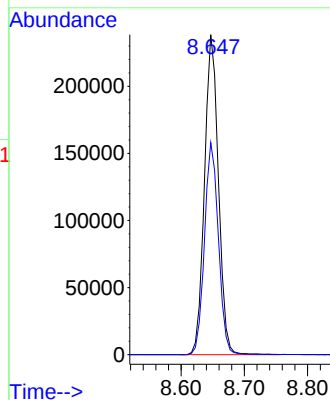
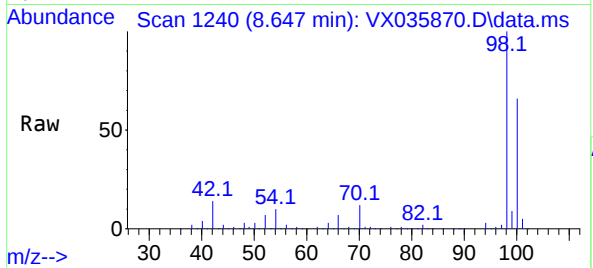




#50
Toluene-d8
Concen: 44.468 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

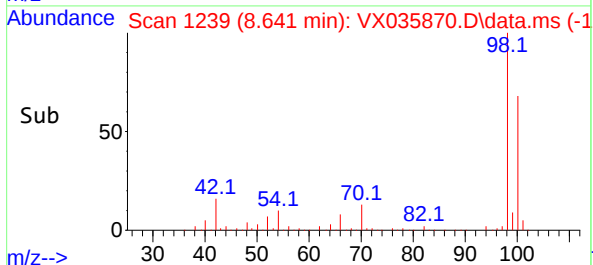
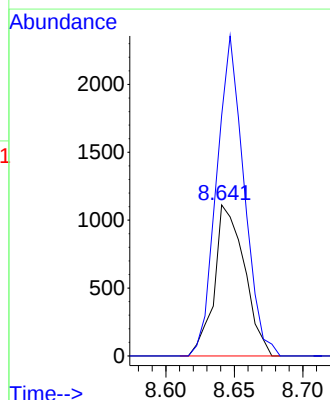
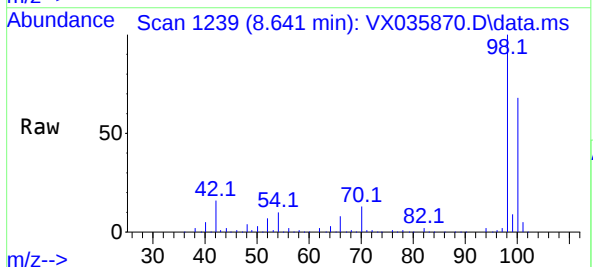
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20230522

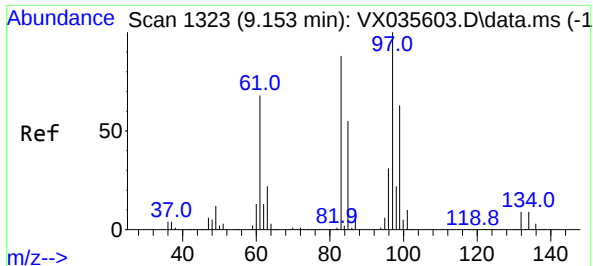
Tgt Ion: 98 Resp: 365889
Ion Ratio Lower Upper
98 100
100 66.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.460 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

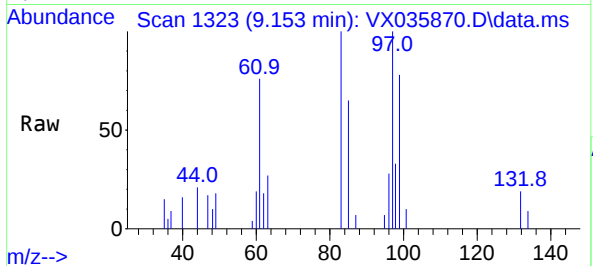
Tgt Ion: 43 Resp: 1693
Ion Ratio Lower Upper
43 100
58 194.0 30.6 46.0#





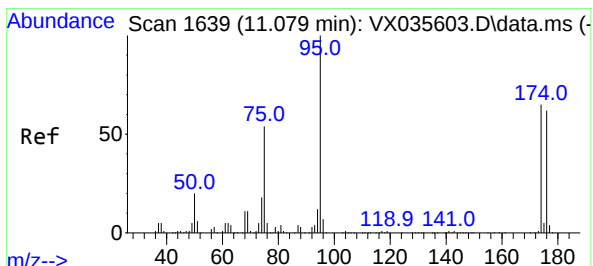
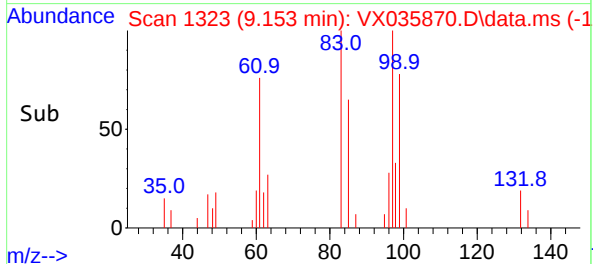
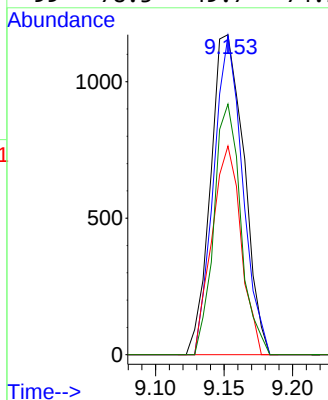
#55
1,1,2-Trichloroethane
Concen: 0.814 ug/l
RT: 9.153 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20230522



Tgt Ion: 97 Resp: 1985

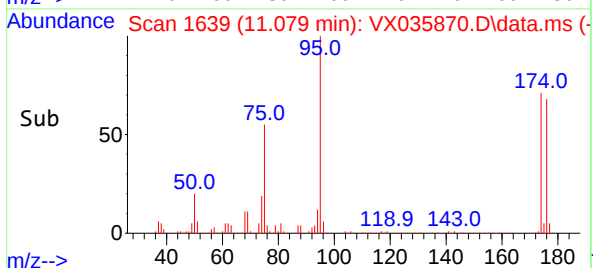
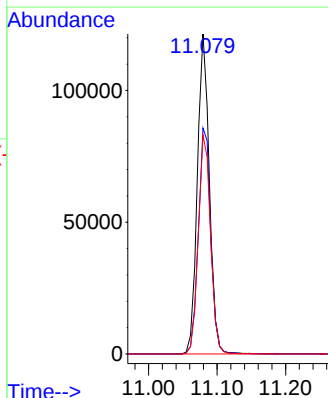
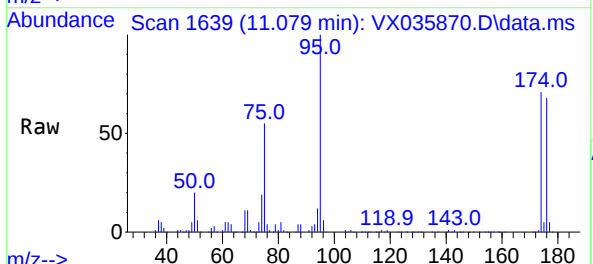
Ion	Ratio	Lower	Upper
97	100		
83	99.7	69.7	104.5
85	65.2	43.7	65.5
99	78.3	49.7	74.5

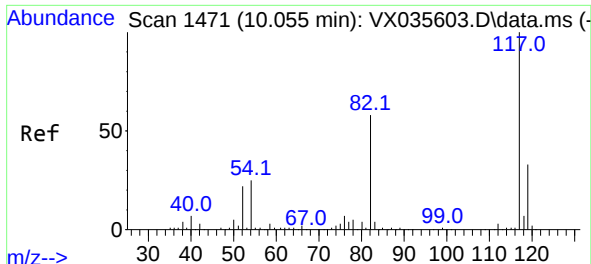


#62
4-Bromofluorobenzene
Concen: 44.675 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Tgt Ion: 95 Resp: 148009

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	147.4
176	69.8	0.0	140.6

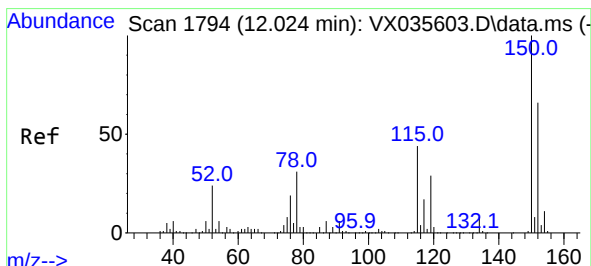
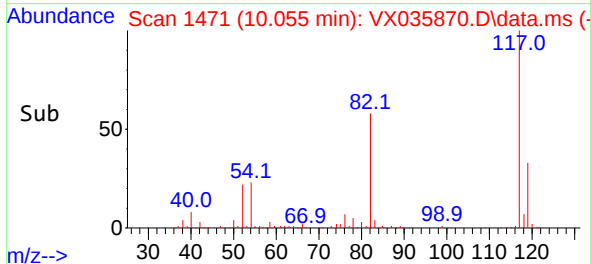
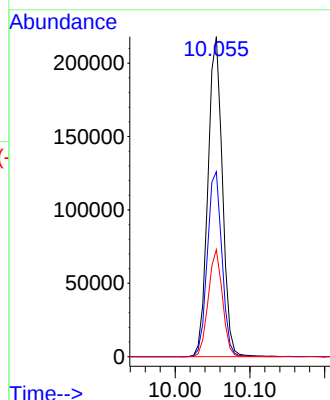
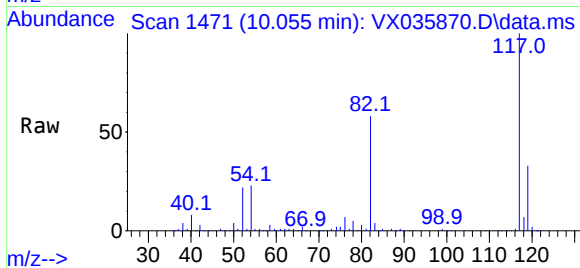




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

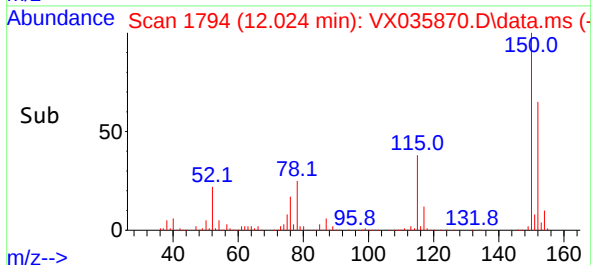
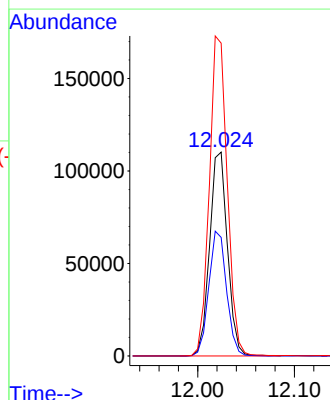
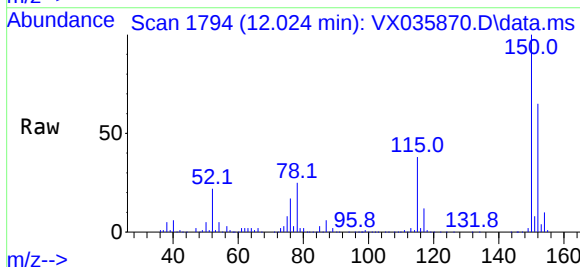
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20230522

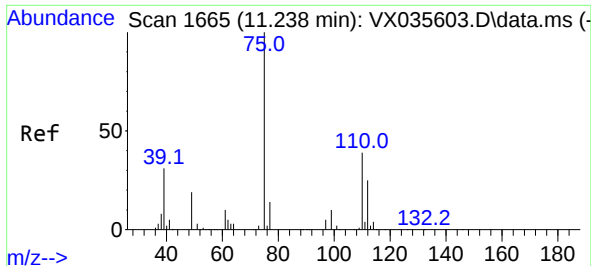
Tgt Ion:117 Resp: 293539
Ion Ratio Lower Upper
117 100
82 57.8 45.0 67.4
119 33.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Tgt Ion:152 Resp: 141299
Ion Ratio Lower Upper
152 100
115 61.0 45.0 135.0
150 157.8 0.0 352.4

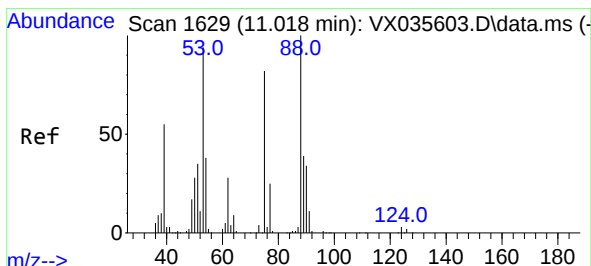
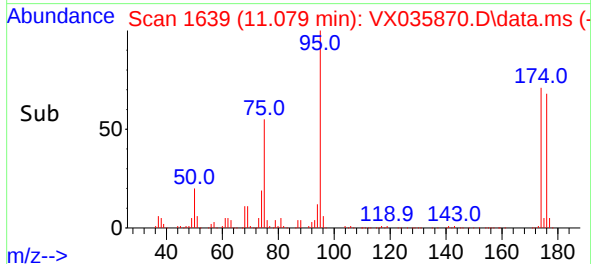
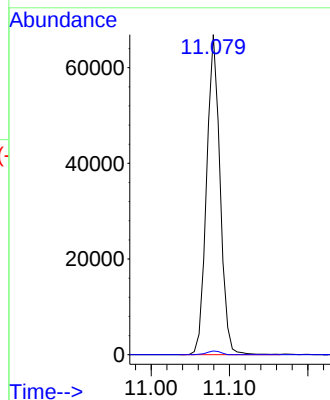
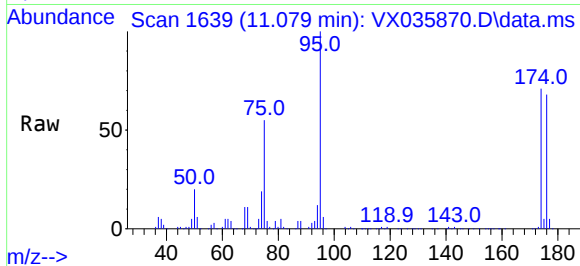




#76
1,2,3-Trichloropropane
Concen: 23.013 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20230522

Tgt Ion: 75 Resp: 79539
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.169 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035870.D
Acq: 25 May 2023 21:47

Tgt Ion: 75 Resp: 79539
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

