

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037091.D
 Acq On : 18 Aug 2023 17:56
 Operator : JC/MD
 Sample : 04024-11DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20230815DL

Quant Time: Aug 19 05:21:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	110011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203994	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95089	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76968	48.529	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.060%
35) Dibromofluoromethane	5.391	113	64519	47.756	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.520%
50) Toluene-d8	8.647	98	244873	49.968	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.940%
62) 4-Bromofluorobenzene	11.079	95	101925	52.924	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.840%

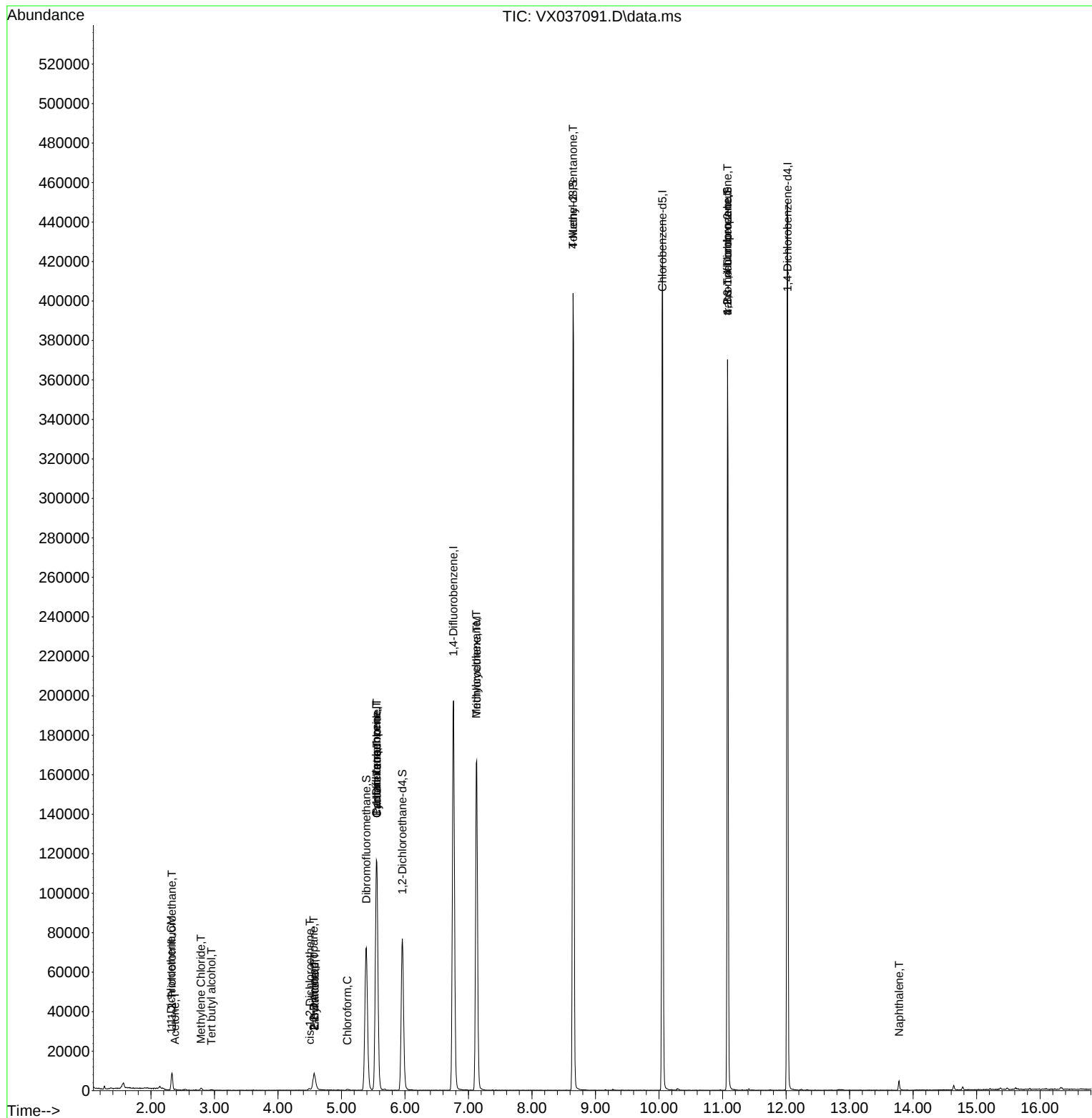
Target Compounds			Qvalue			
9) 1,1,2-Trichlorotrifluo...	2.331	101	3294	2.833	ug/l	96
11) Tert butyl alcohol	2.953	59	254	0.683	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	516	0.456	ug/l #	81
16) Acetone	2.380	43	552	0.890	ug/l #	79
20) Methylene Chloride	2.788	84	535	0.386	ug/l #	80
25) 2-Butanone	4.574	43	584	0.625	ug/l #	51
26) 2,2-Dichloropropane	4.562	77	597	0.296	ug/l #	54
27) cis-1,2-Dichloroethene	4.501	96	630	0.415	ug/l	88
30) Chloroform	5.093	83	592	0.234	ug/l #	61
31) Cyclohexane	5.556	56	2323	1.303	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8628	4.495	ug/l #	51
37) Ethyl Acetate	4.574	43	584	0.298	ug/l #	61
38) Carbon Tetrachloride	5.556	117	11782	5.651	ug/l #	15
39) Methylcyclohexane	7.123	83	737	0.365	ug/l #	1
44) Trichloroethene	7.129	130	65517	41.973	ug/l	96
51) 4-Methyl-2-Pentanone	8.647	43	1001	0.530	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	52976	26.160	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	52976	73.066	ug/l #	5
95) Naphthalene	13.780	128	3895	0.491	ug/l	96

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

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RE114D1-20230815DL

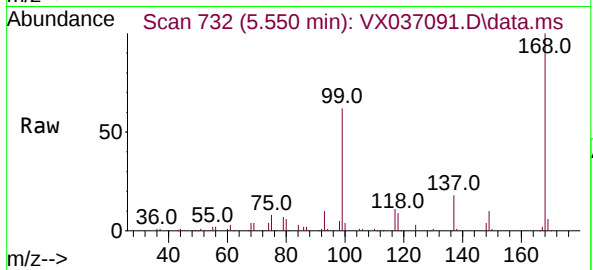
Quant Time: Aug 19 05:21:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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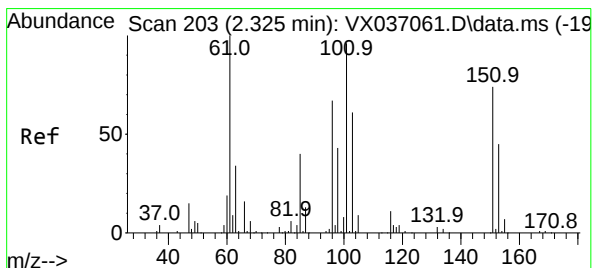
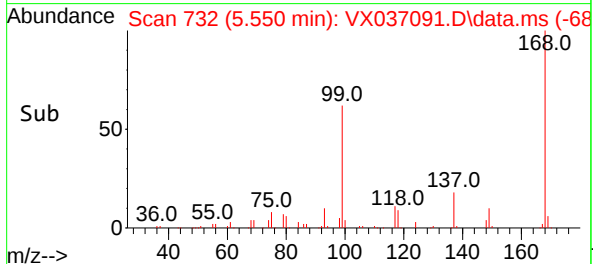
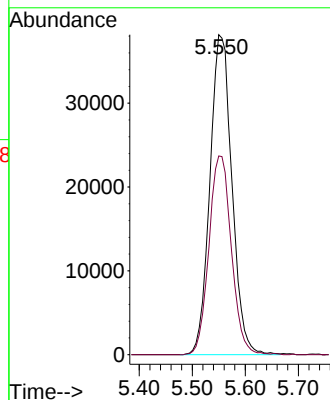


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20230815DL

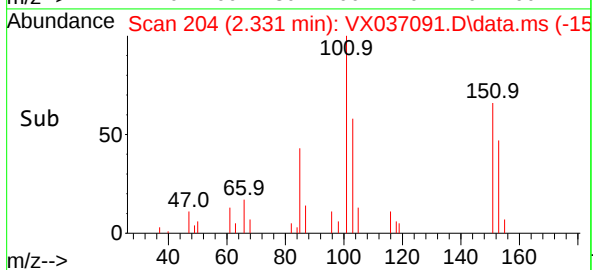
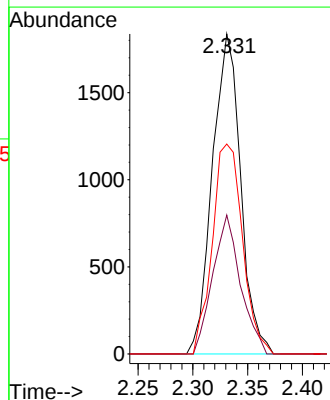
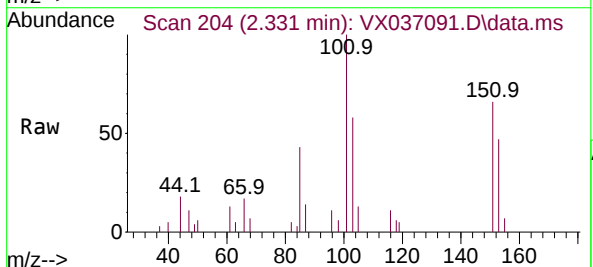


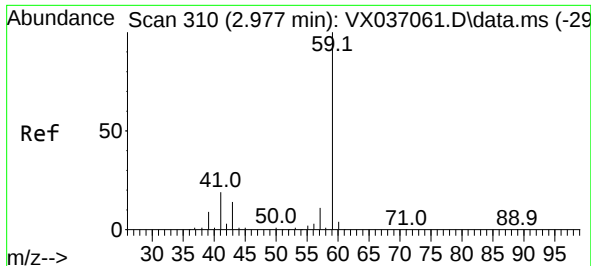
Tgt Ion:168 Resp: 110011
Ion Ratio Lower Upper
168 100
99 62.1 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.833 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

Tgt Ion:101 Resp: 3294
Ion Ratio Lower Upper
101 100
85 42.8 37.0 55.6
151 70.2 58.6 87.8





#11

Tert butyl alcohol

Concen: 0.683 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.024 min

Lab File: VX037091.D

Acq: 18 Aug 2023 17:56

Instrument :

MSVOA_X

ClientSampleId :

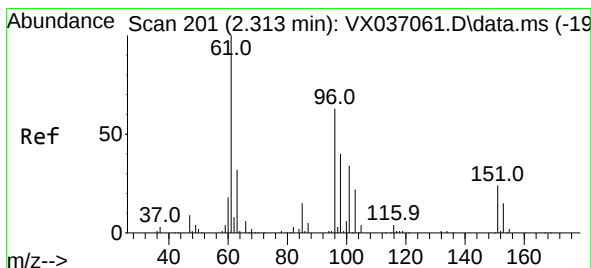
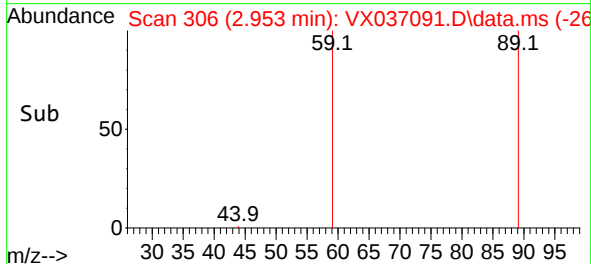
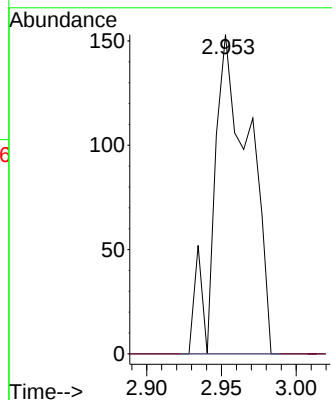
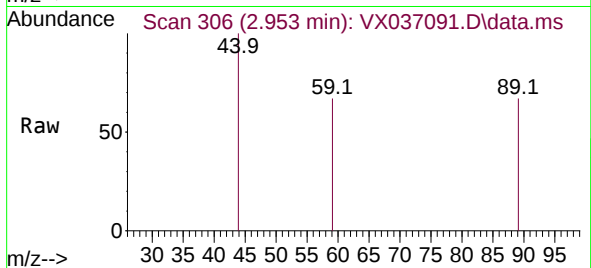
RE114D1-20230815DL

Tgt Ion: 59 Resp: 254

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.456 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037091.D

Acq: 18 Aug 2023 17:56

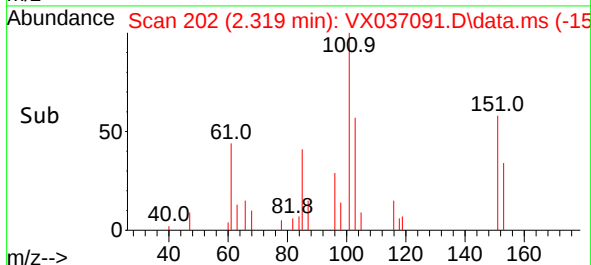
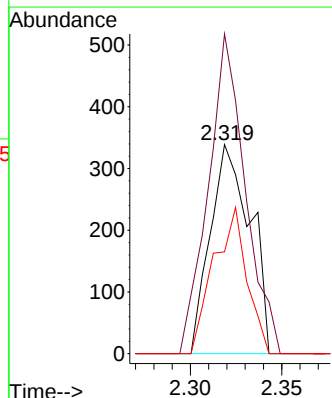
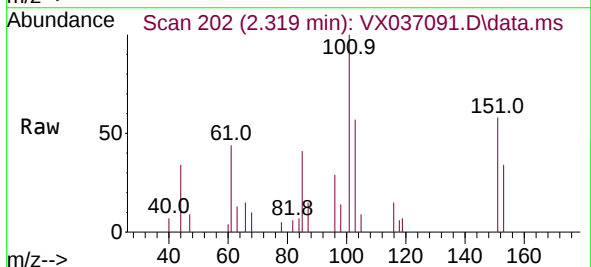
Tgt Ion: 96 Resp: 516

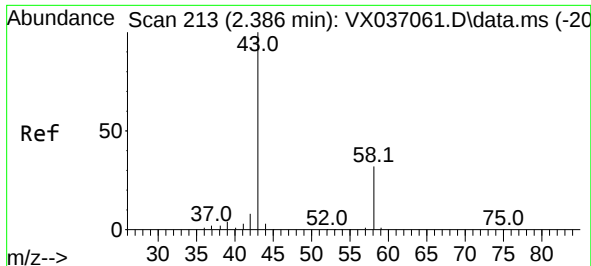
Ion Ratio Lower Upper

96 100

61 152.8 144.6 216.8

98 48.7 50.4 75.6#

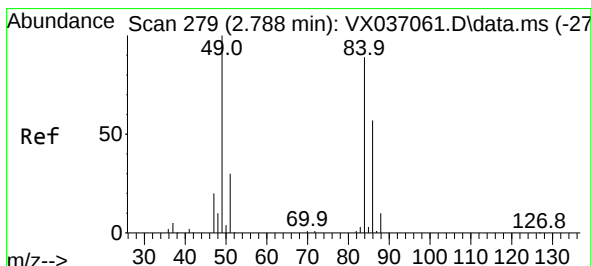
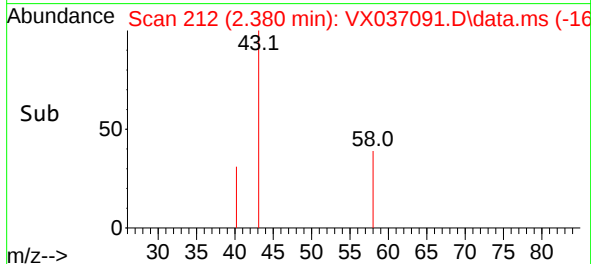
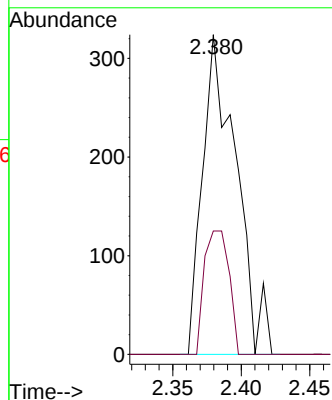
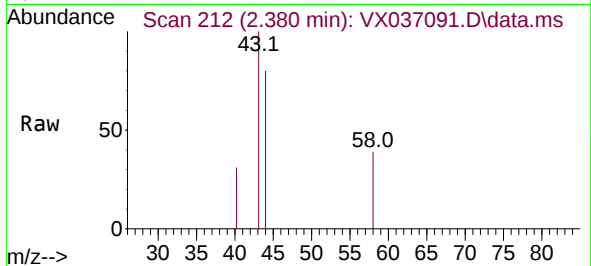




#16
Acetone
Concen: 0.890 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

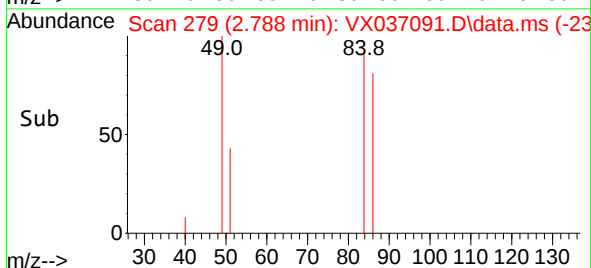
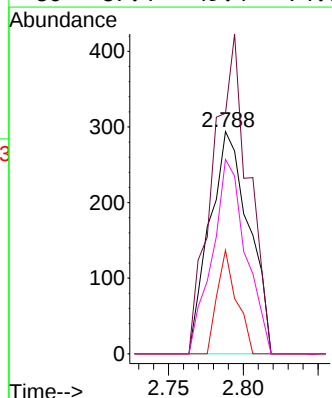
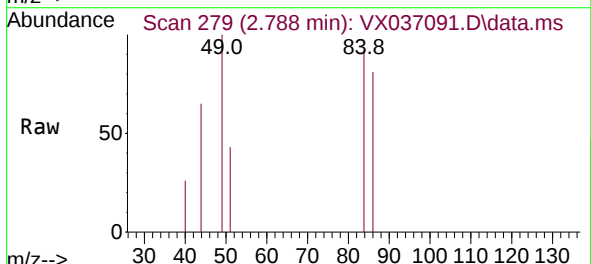
Instrument :
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RE114D1-20230815DL

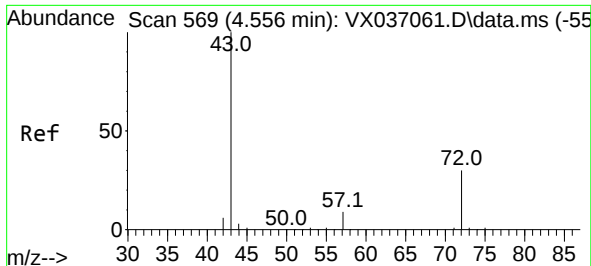
Tgt Ion: 43 Resp: 552
Ion Ratio Lower Upper
43 100
58 38.6 21.9 32.9#



#20
Methylene Chloride
Concen: 0.386 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

Tgt Ion: 84 Resp: 535
Ion Ratio Lower Upper
84 100
49 108.2 103.6 155.4
51 46.6 33.8 50.6
86 87.4 49.4 74.0#

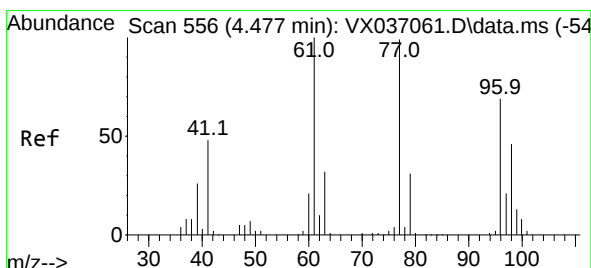
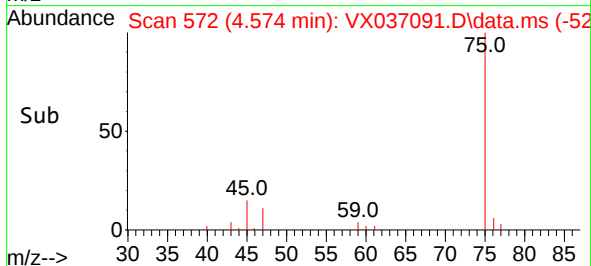
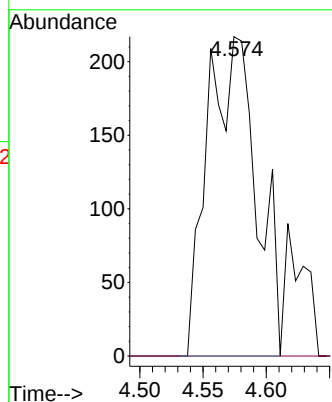
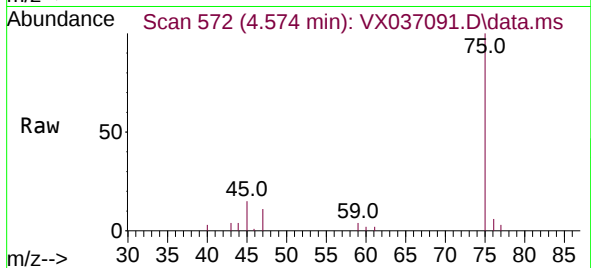




#25
2-Butanone
Concen: 0.625 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

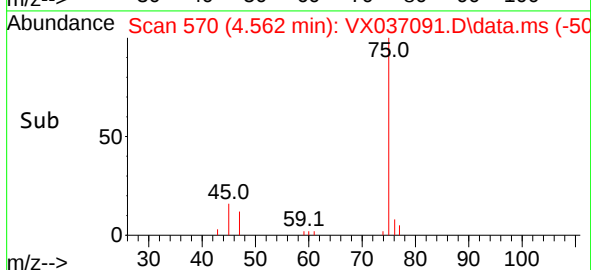
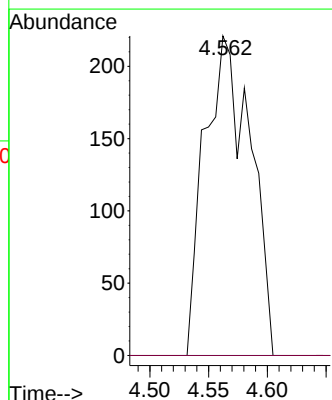
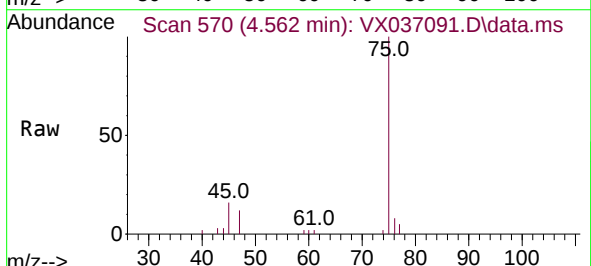
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20230815DL

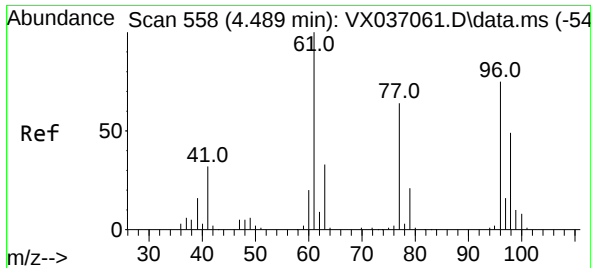
Tgt Ion: 43 Resp: 584
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#26
2,2-Dichloropropane
Concen: 0.296 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.085 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

Tgt Ion: 77 Resp: 597
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#





#27

cis-1,2-Dichloroethene

Concen: 0.415 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX037091.D

Acq: 18 Aug 2023 17:56

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20230815DL

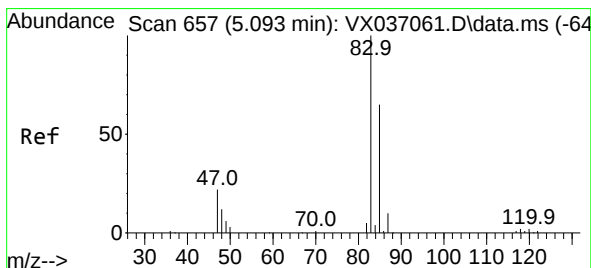
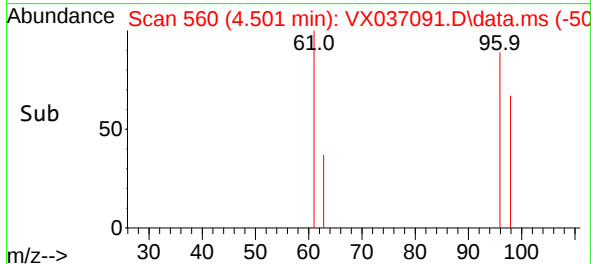
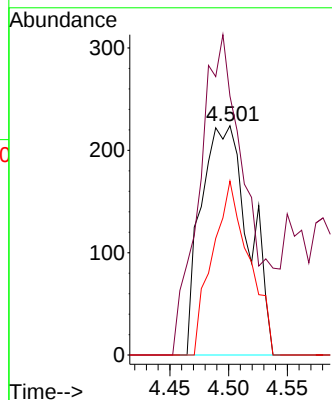
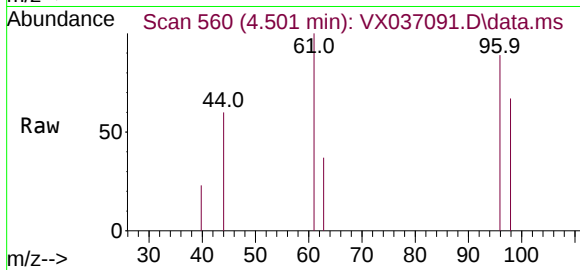
Tgt Ion: 96 Resp: 630

Ion Ratio Lower Upper

96 100

61 137.6 0.0 312.2

98 58.6 0.0 129.0



#30

Chloroform

Concen: 0.234 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX037091.D

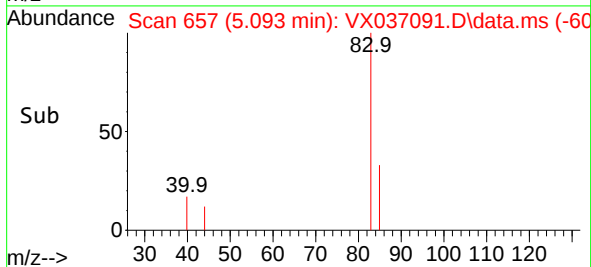
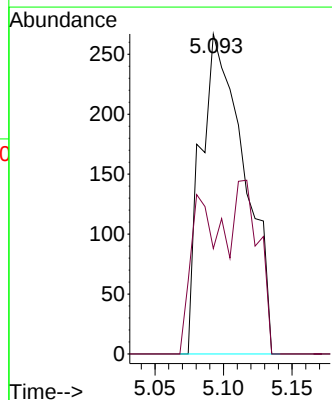
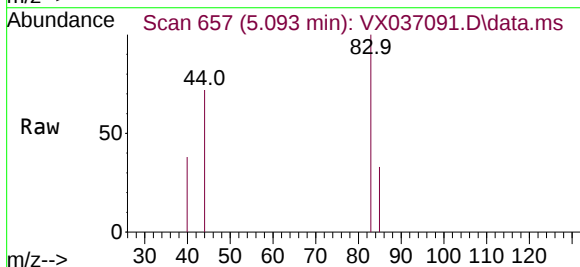
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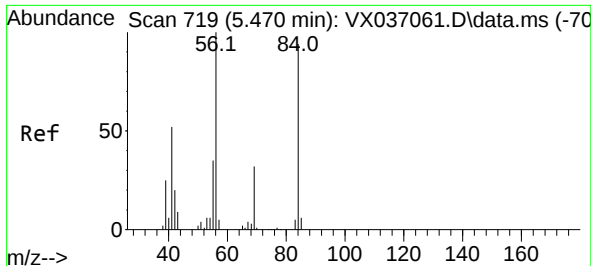
Tgt Ion: 83 Resp: 592

Ion Ratio Lower Upper

83 100

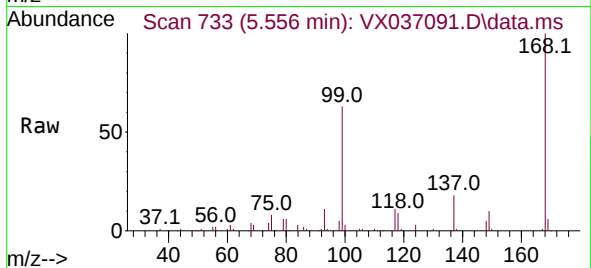
85 33.0 50.3 75.5#



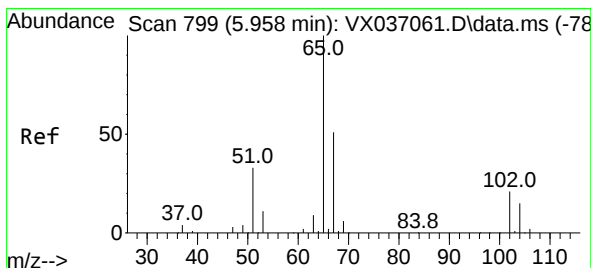
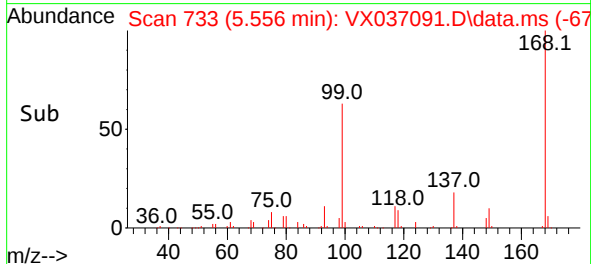
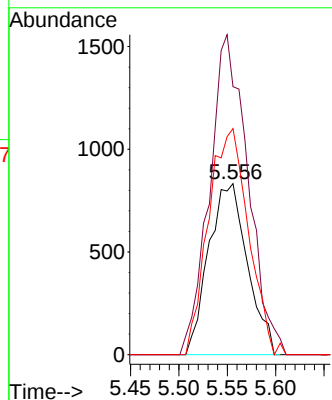


#31
Cyclohexane
Concen: 1.303 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

Instrument :
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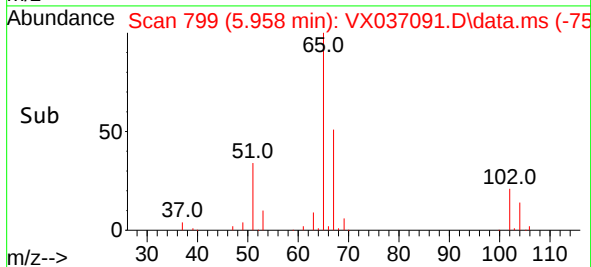
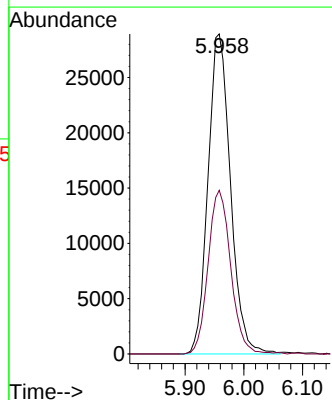
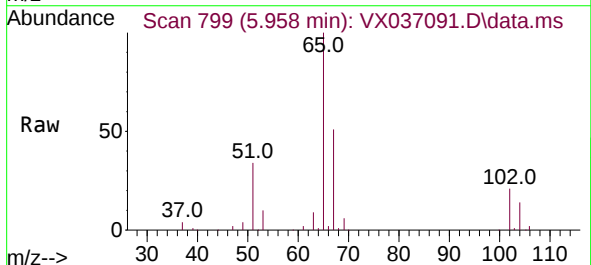


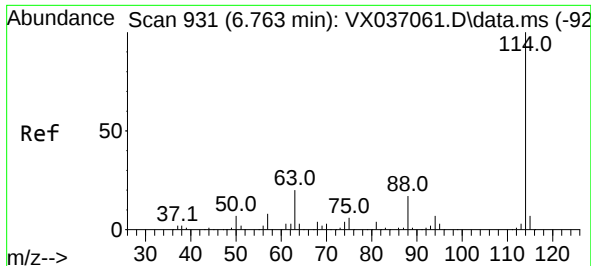
Tgt Ion: 56 Resp: 2323
Ion Ratio Lower Upper
56 100
69 156.7 23.4 35.2#
84 132.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.529 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

Tgt Ion: 65 Resp: 76968
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.2

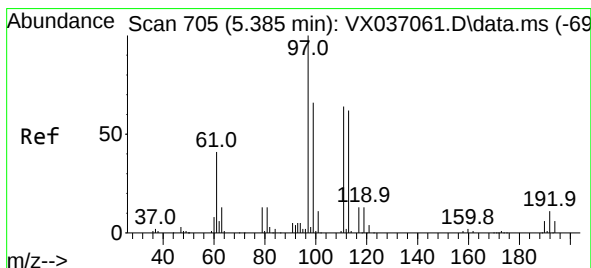
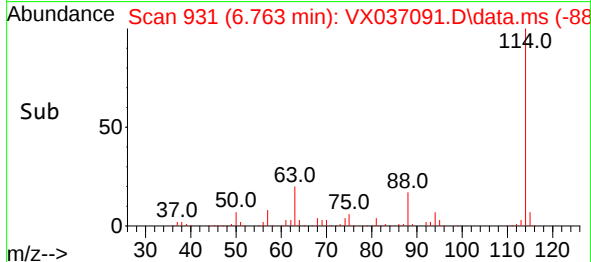
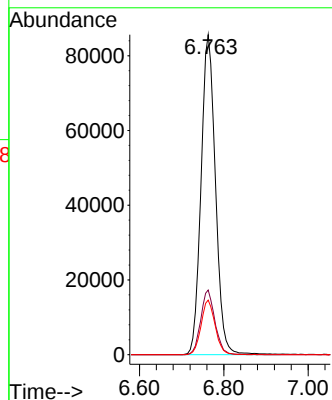
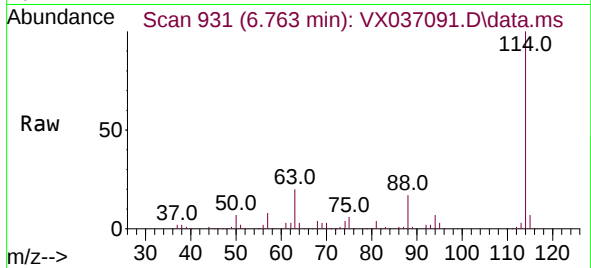




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

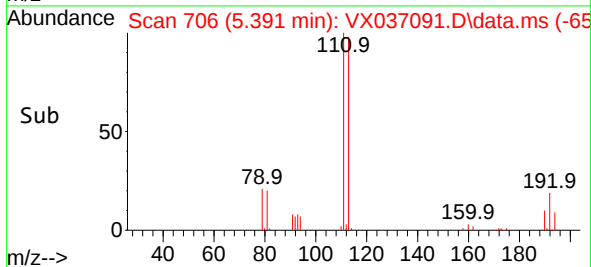
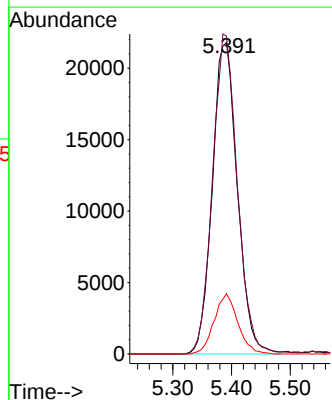
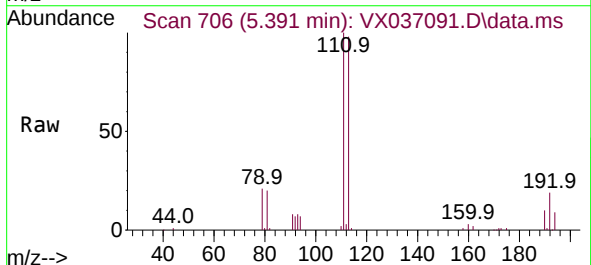
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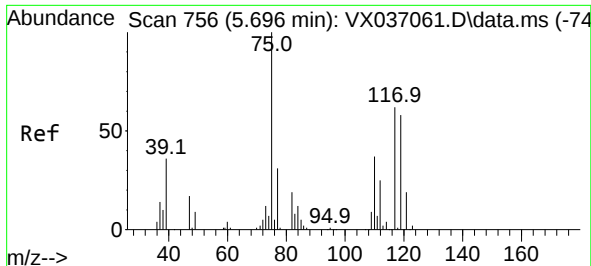
Tgt Ion:114 Resp: 203994
Ion Ratio Lower Upper
114 100
63 20.2 0.0 45.0
88 17.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.756 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

Tgt Ion:113 Resp: 64519
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 18.3 13.3 19.9

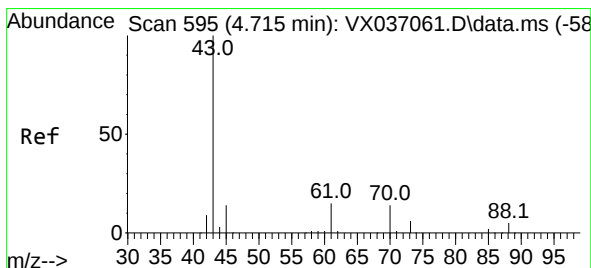
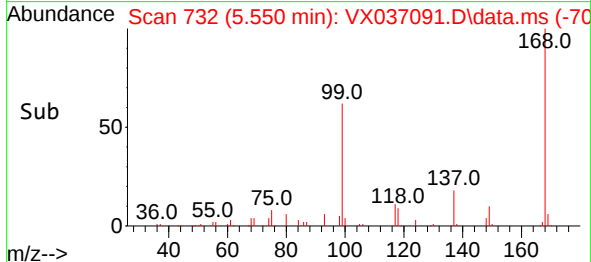
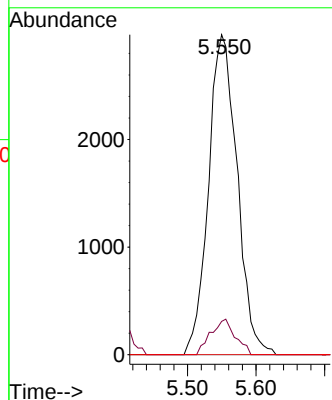
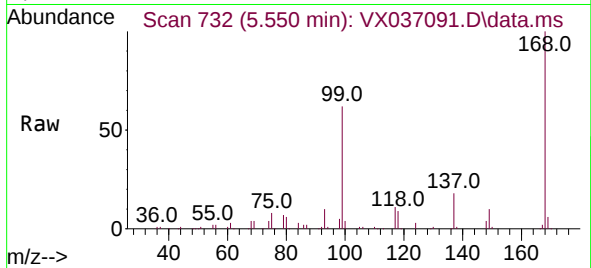




#36
1,1-Dichloropropene
Concen: 4.495 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

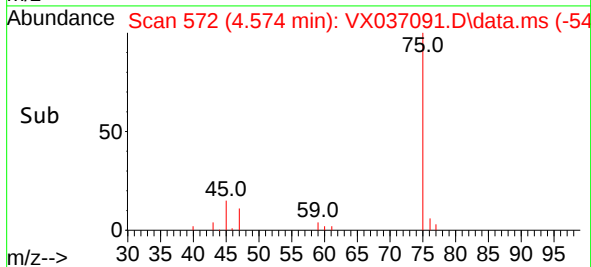
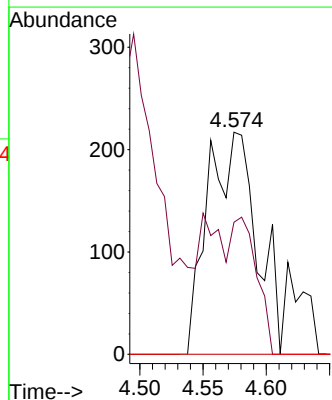
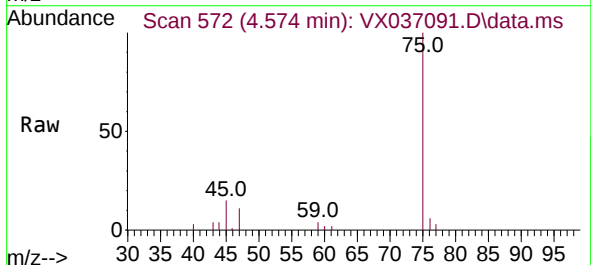
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20230815DL

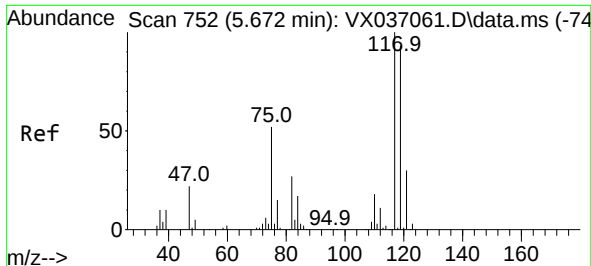
Tgt Ion: 75 Resp: 8628
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.298 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.140 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

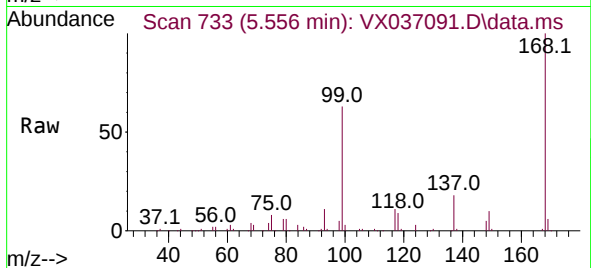
Tgt Ion: 43 Resp: 584
Ion Ratio Lower Upper
43 100
61 32.2 10.6 16.0#
70 0.0 8.3 12.5#



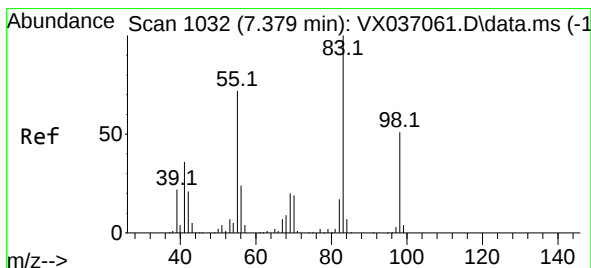
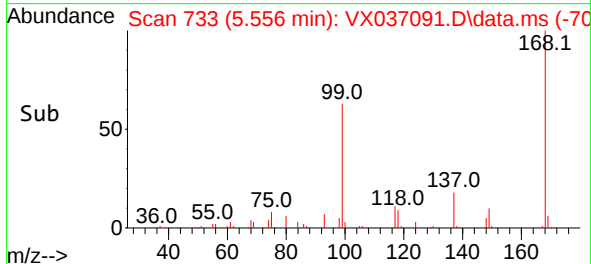
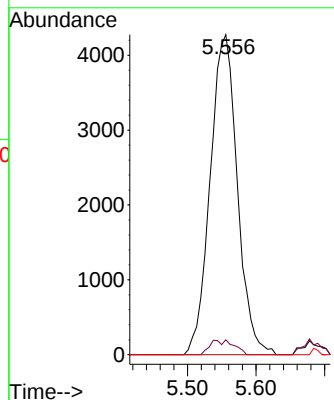


#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20230815DL

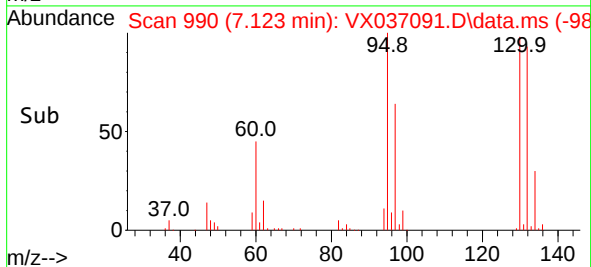
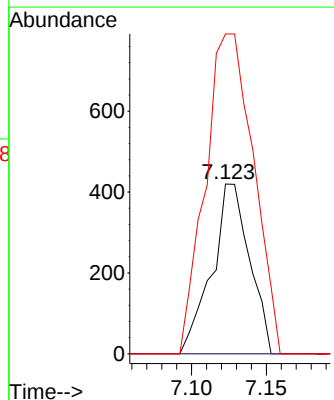
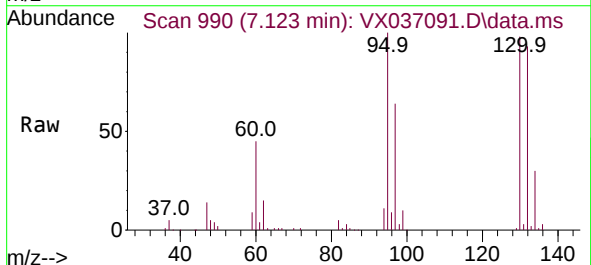


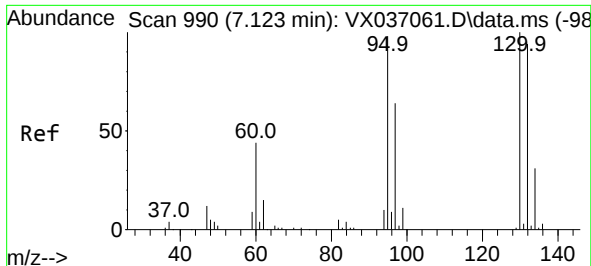
Tgt Ion:117 Resp: 11782
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.365 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

Tgt Ion: 83 Resp: 737
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 188.3 36.7 55.1#

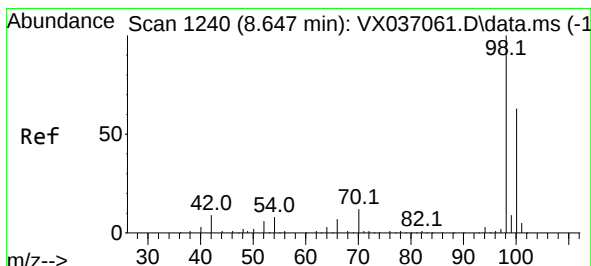
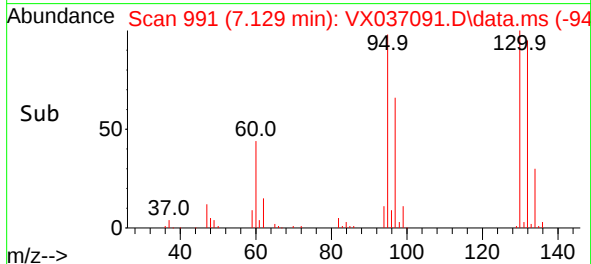
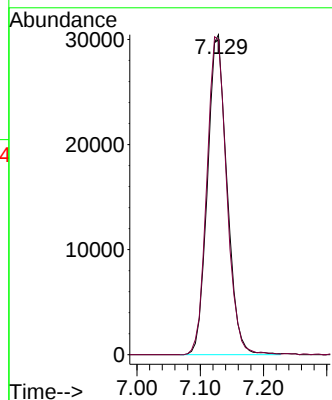
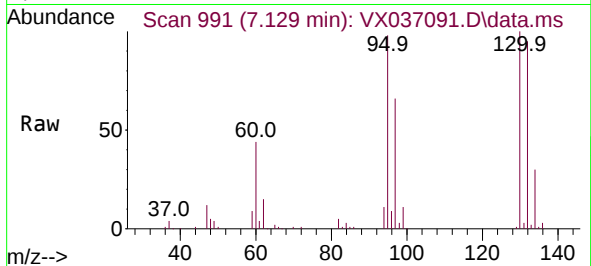




#44
 Trichloroethene
 Concen: 41.973 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. 0.006 min
 Lab File: VX037091.D
 Acq: 18 Aug 2023 17:56

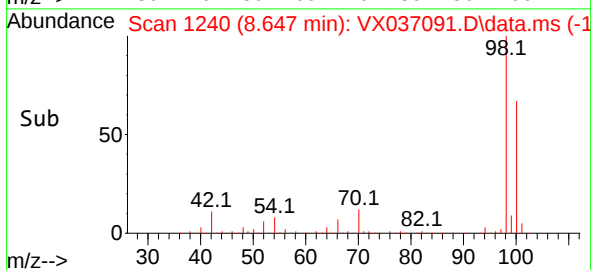
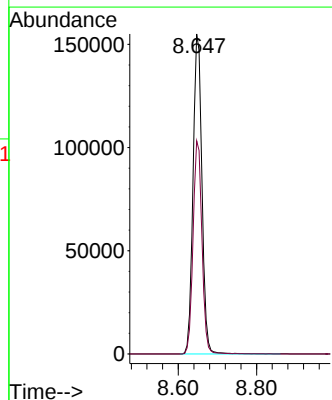
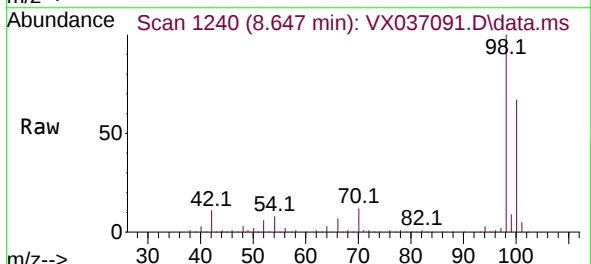
Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20230815DL

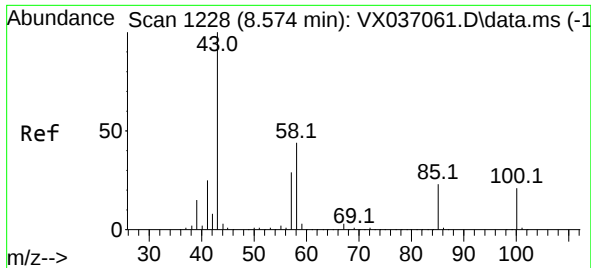
Tgt Ion:130 Resp: 65517
 Ion Ratio Lower Upper
 130 100
 95 98.5 0.0 204.4



#50
 Toluene-d8
 Concen: 49.968 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.000 min
 Lab File: VX037091.D
 Acq: 18 Aug 2023 17:56

Tgt Ion: 98 Resp: 244873
 Ion Ratio Lower Upper
 98 100
 100 66.4 53.1 79.7

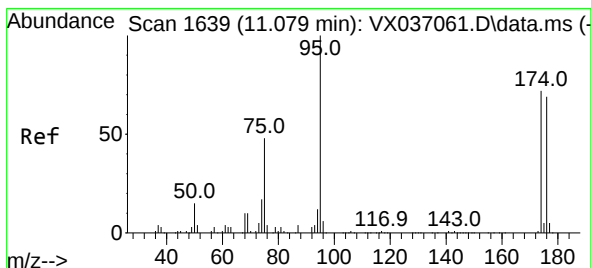
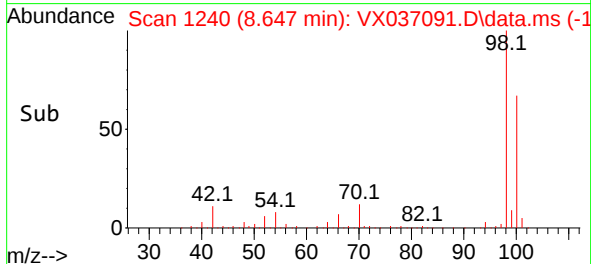
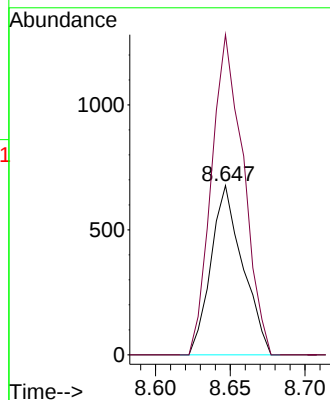
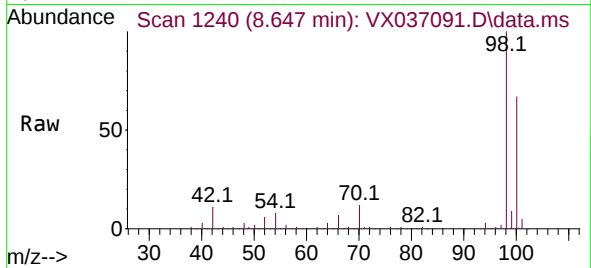




#51
4-Methyl-2-Pentanone
Concen: 0.530 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

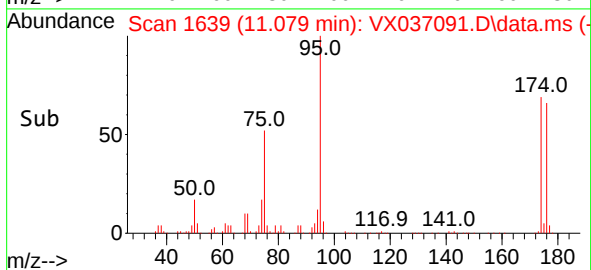
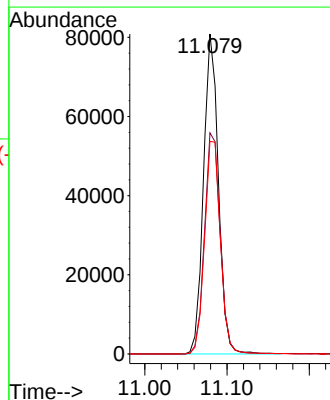
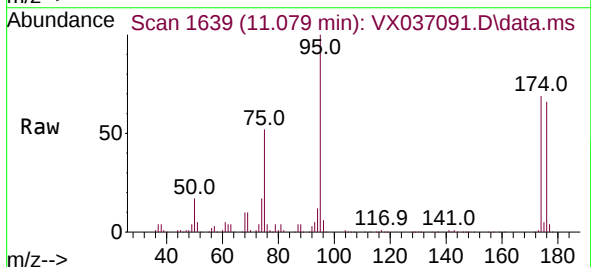
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20230815DL

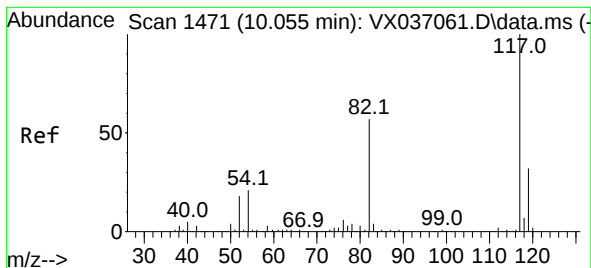
Tgt Ion: 43 Resp: 1001
Ion Ratio Lower Upper
43 100
58 189.6 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 52.924 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

Tgt Ion: 95 Resp: 101925
Ion Ratio Lower Upper
95 100
174 72.8 0.0 135.6
176 70.6 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX037091.D

Acq: 18 Aug 2023 17:56

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20230815DL

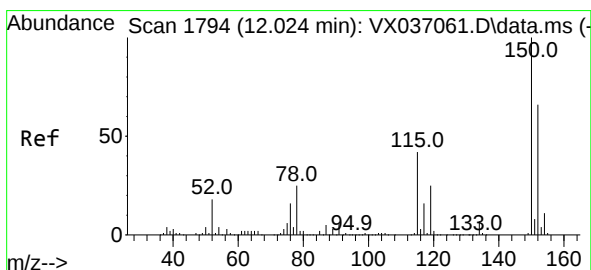
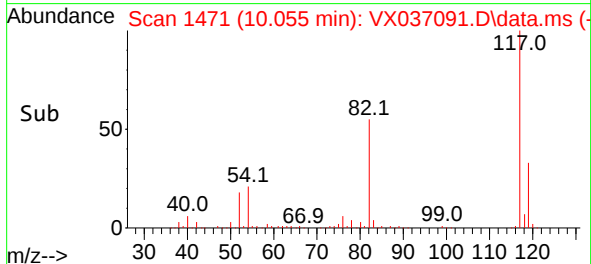
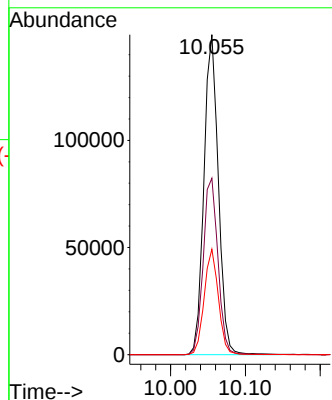
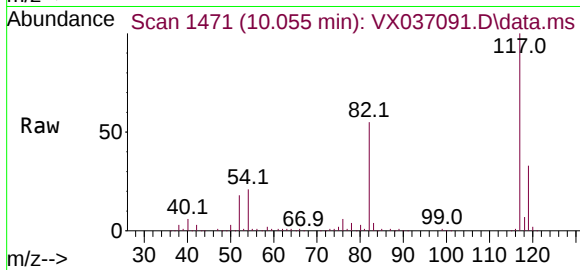
Tgt Ion:117 Resp: 200202

Ion Ratio Lower Upper

117 100

82 55.1 46.2 69.4

119 33.0 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX037091.D

Acq: 18 Aug 2023 17:56

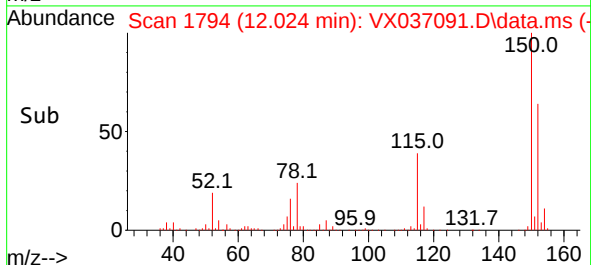
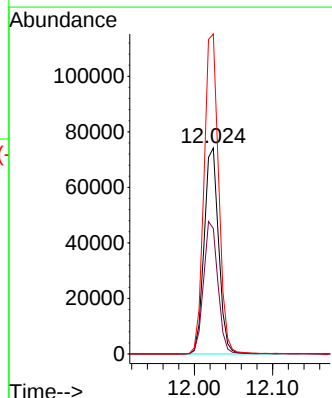
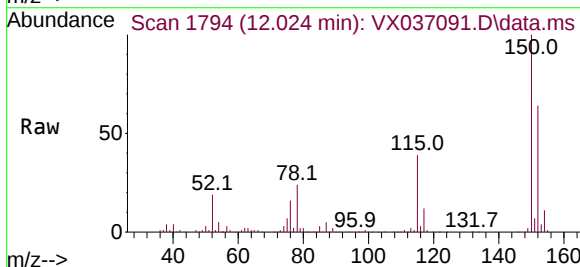
Tgt Ion:152 Resp: 95089

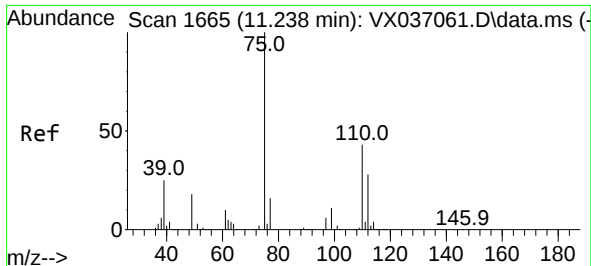
Ion Ratio Lower Upper

152 100

115 63.6 43.3 129.9

150 156.9 0.0 345.0

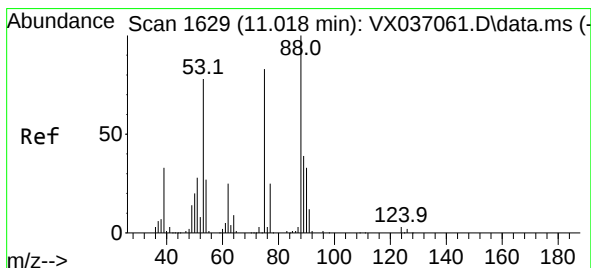
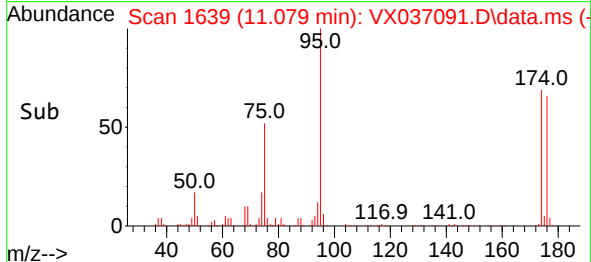
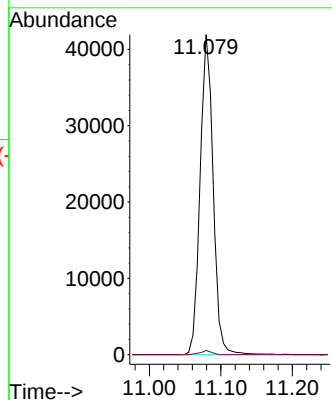
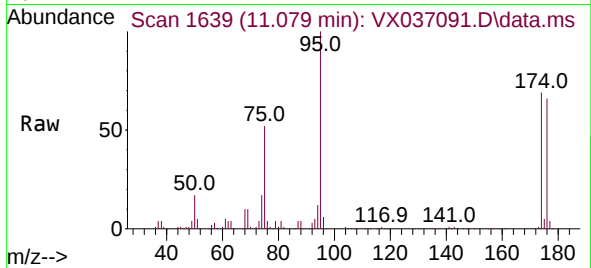




#76
1,2,3-Trichloropropane
Concen: 26.160 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

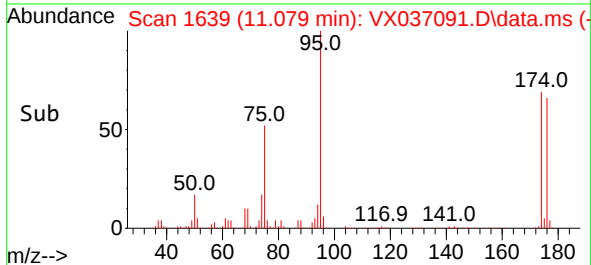
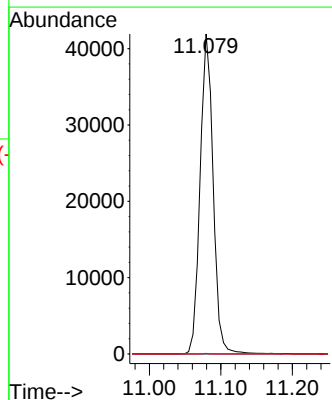
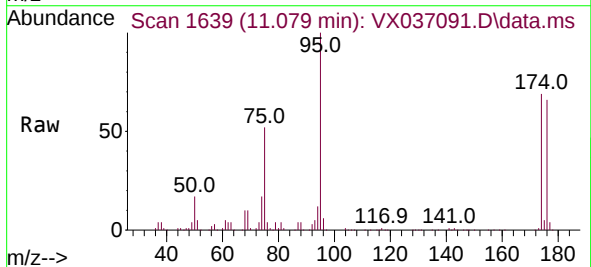
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20230815DL

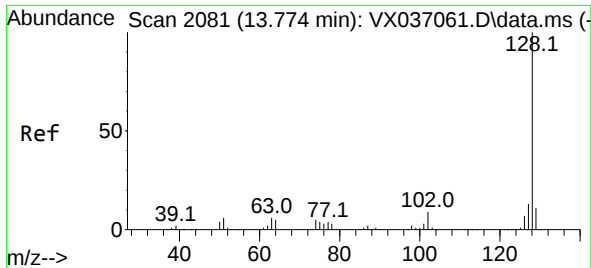
Tgt Ion: 75 Resp: 52976
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.066 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

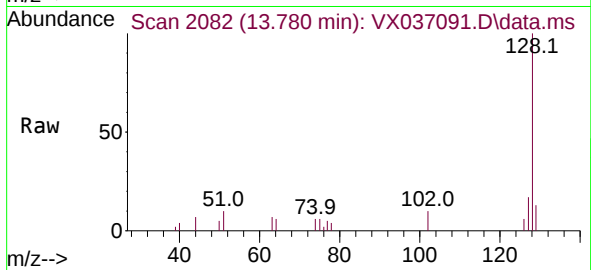
Tgt Ion: 75 Resp: 52976
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#





#95
Naphthalene
Concen: 0.491 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037091.D
Acq: 18 Aug 2023 17:56

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20230815DL



Tgt Ion:	128	Resp:	3895
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.3	15.5
129	9.3	8.8	13.2

