

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037089.D
 Acq On : 18 Aug 2023 17:07
 Operator : JC/MD
 Sample : 04024-15DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20230815DL

Quant Time: Aug 19 05:20:33 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

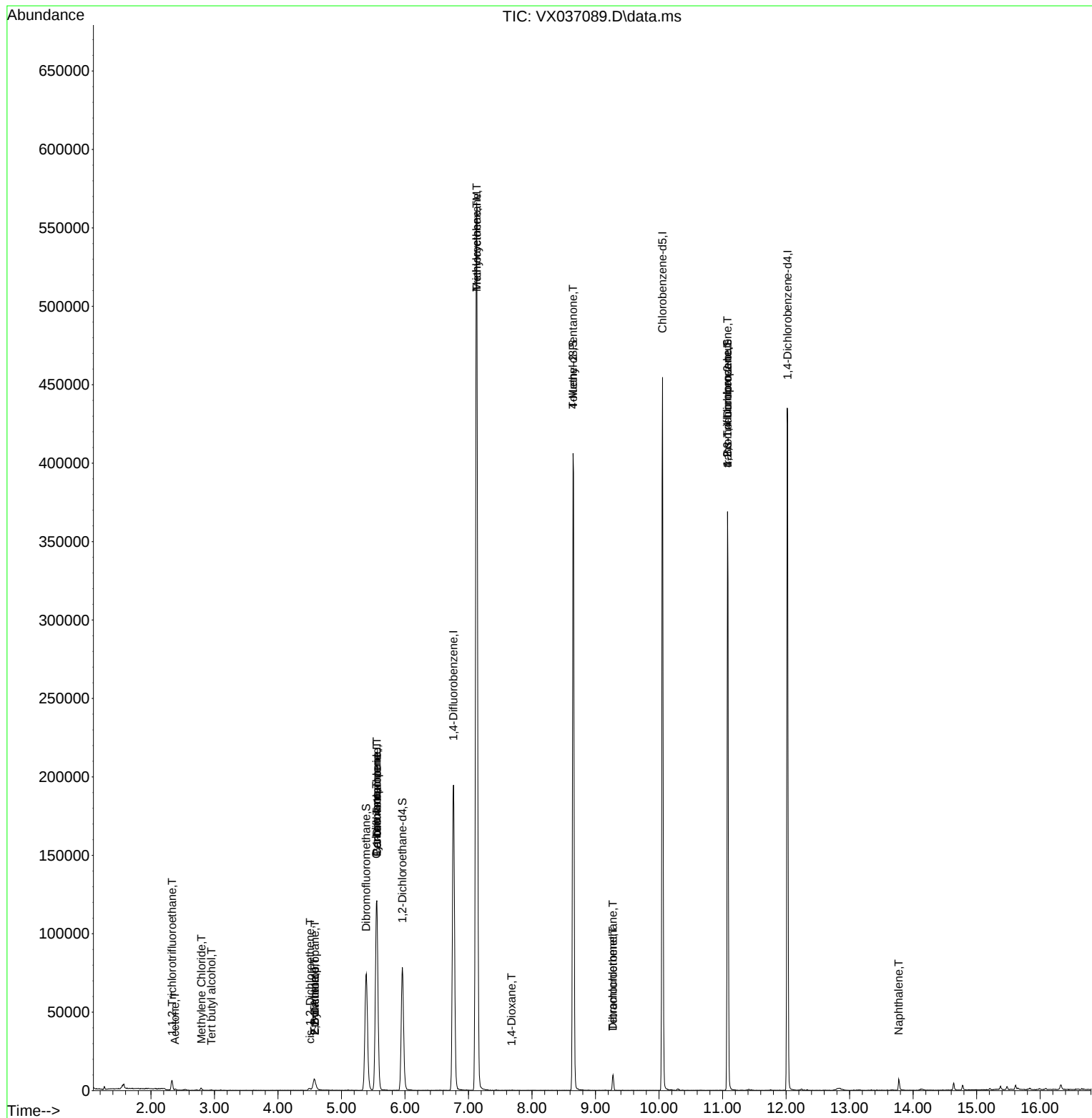
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	112393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205433	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79278	48.927	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.860%
35) Dibromofluoromethane	5.385	113	65916	48.449	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.900%
50) Toluene-d8	8.647	98	247433	50.137	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.280%
62) 4-Bromofluorobenzene	11.079	95	100742	51.943	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.880%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	2480	2.087	ug/l	98
11) Tert butyl alcohol	2.953	59	109	0.287	ug/l #	78
16) Acetone	2.380	43	851	1.342	ug/l	94
20) Methylene Chloride	2.794	84	768	0.542	ug/l #	78
25) 2-Butanone	4.574	43	428	0.448	ug/l #	51
26) 2,2-Dichloropropane	4.580	77	504	0.245	ug/l #	54
27) cis-1,2-Dichloroethene	4.507	96	865	0.558	ug/l	85
31) Cyclohexane	5.550	56	2332	1.280	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9177	4.748	ug/l #	52
37) Ethyl Acetate	4.574	43	428	0.217	ug/l #	15
38) Carbon Tetrachloride	5.556	117	12218	5.819	ug/l #	14
39) Methylcyclohexane	7.129	83	2770	1.364	ug/l #	1
44) Trichloroethene	7.129	130	224197	142.624	ug/l	98
49) 1,4-Dioxane	7.677	88	161	3.910	ug/l #	48
51) 4-Methyl-2-Pentanone	8.647	43	1037	0.545	ug/l #	1
60) Dibromochloromethane	9.275	129	1808	1.139	ug/l #	11
64) Tetrachloroethene	9.275	164	1779	1.206	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	52319	26.548	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	52319	74.149	ug/l #	5
95) Naphthalene	13.774	128	5577	0.723	ug/l	98

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

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RE103D1-20230815DL

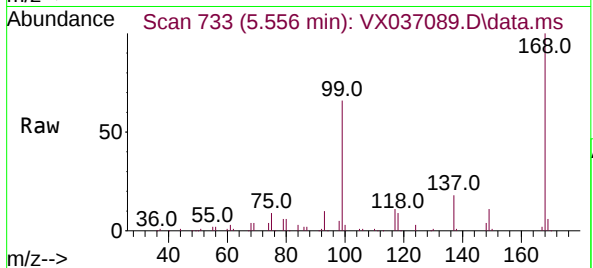
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



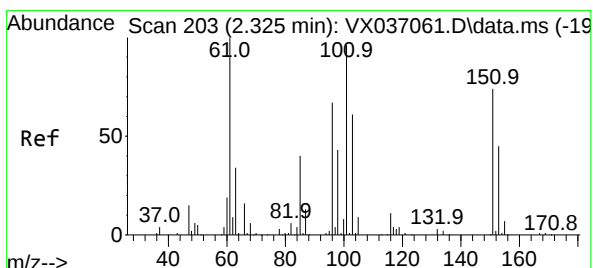
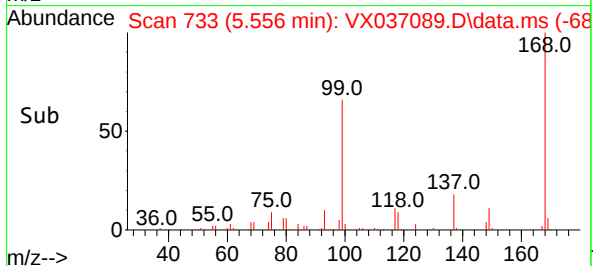
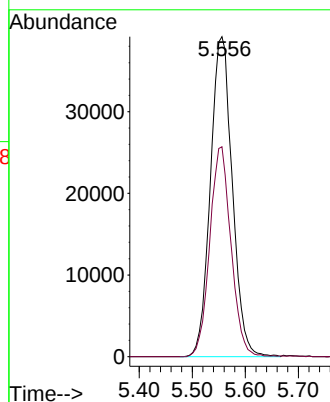


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

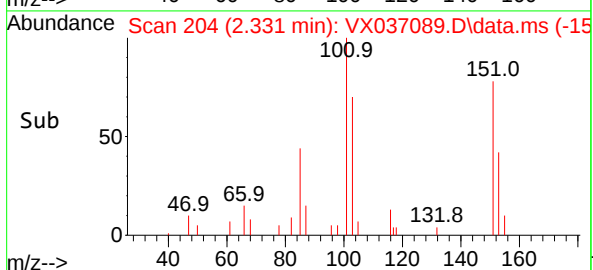
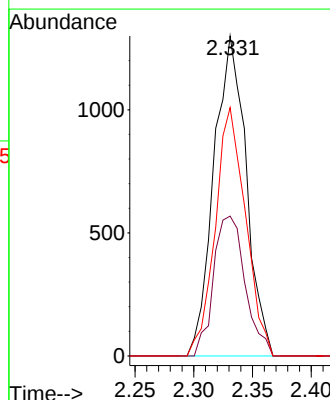
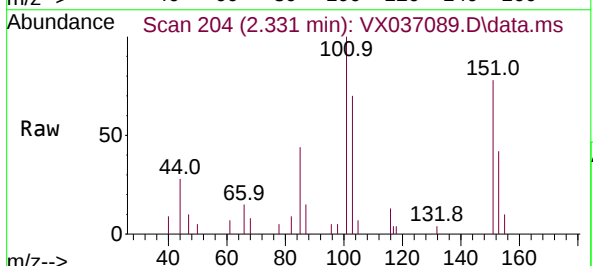


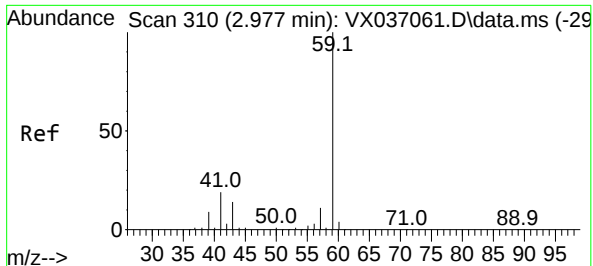
Tgt Ion:168 Resp: 112393
Ion Ratio Lower Upper
168 100
99 65.6 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.087 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Tgt Ion:101 Resp: 2480
Ion Ratio Lower Upper
101 100
85 42.9 37.0 55.6
151 73.2 58.6 87.8





#11

Tert butyl alcohol

Concen: 0.287 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.024 min

Lab File: VX037089.D

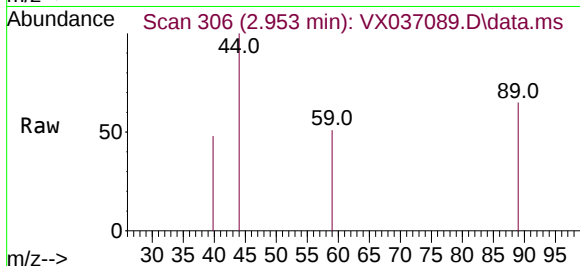
Acq: 18 Aug 2023 17:07

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20230815DL

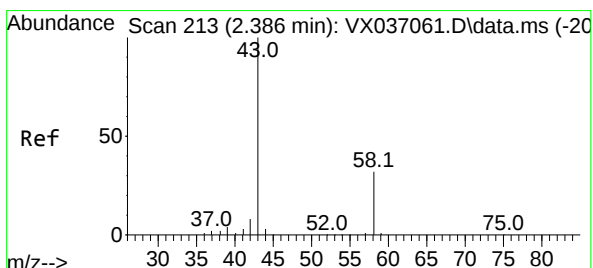
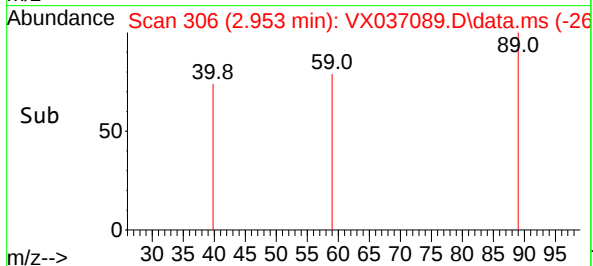
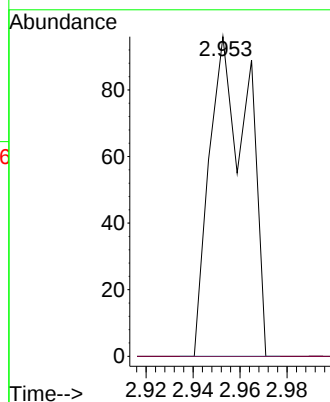


Tgt Ion: 59 Resp: 109

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 1.342 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037089.D

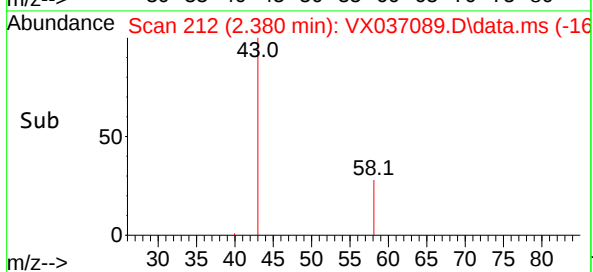
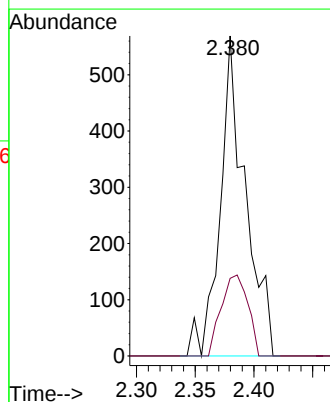
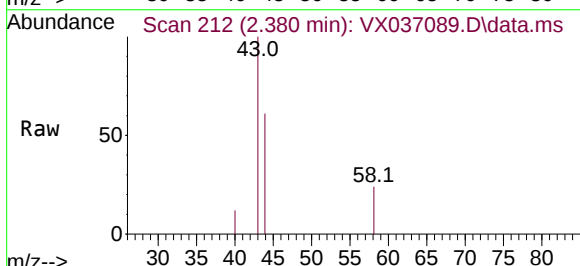
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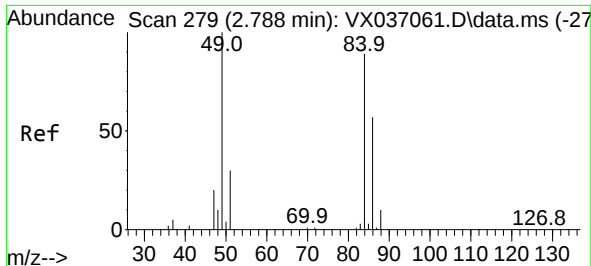
Tgt Ion: 43 Resp: 851

Ion Ratio Lower Upper

43 100

58 24.3 21.9 32.9

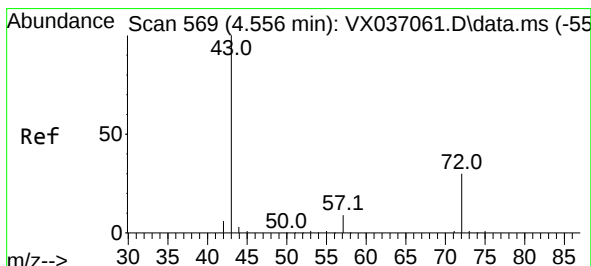
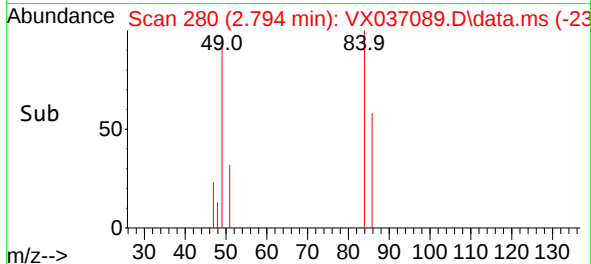
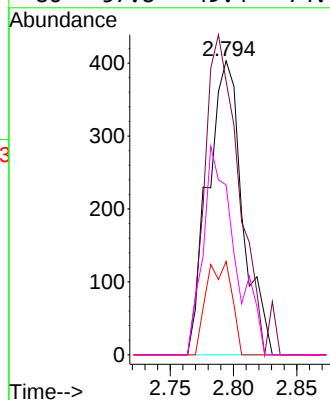
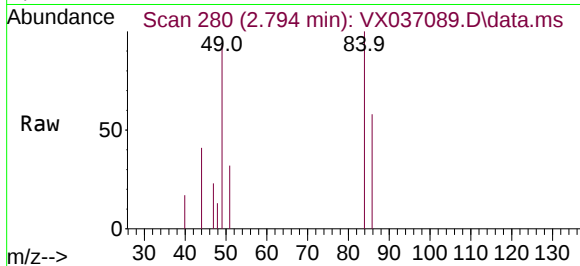




#20
Methylene Chloride
Concen: 0.542 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

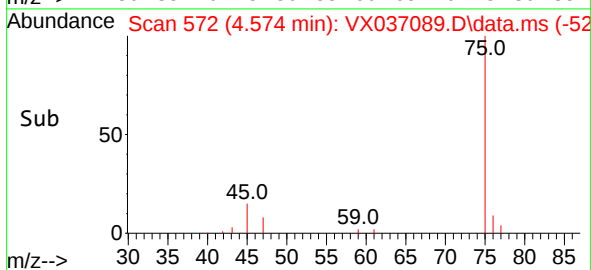
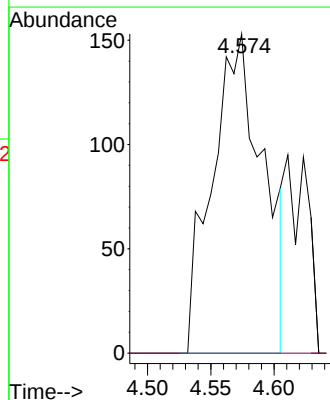
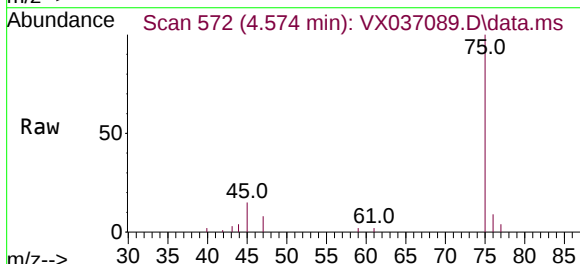
Instrument :
MSVOA_X
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RE103D1-20230815DL

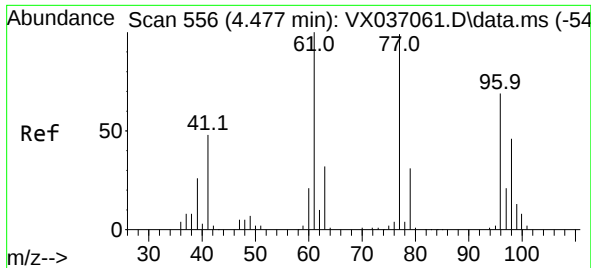
Tgt Ion: 84	Resp: 768
Ion Ratio	Lower Upper
84	100
49	93.1 103.6 155.4#
51	31.8 33.8 50.6#
86	57.8 49.4 74.0



#25
2-Butanone
Concen: 0.448 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Tgt Ion: 43	Resp: 428
Ion Ratio	Lower Upper
43	100
72	0.0 19.4 29.2#

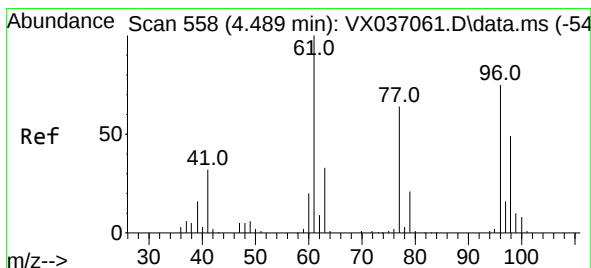
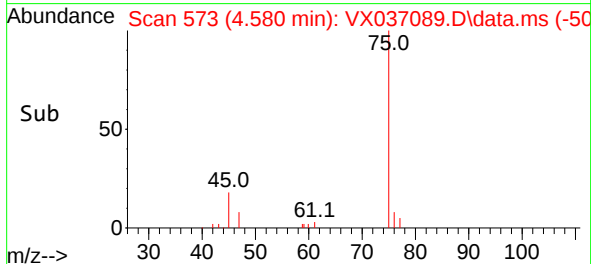
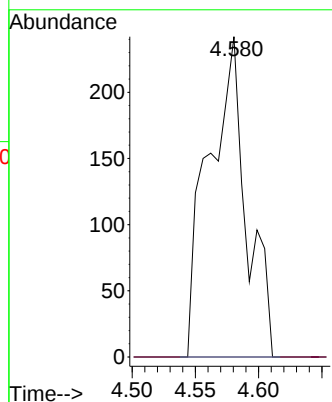
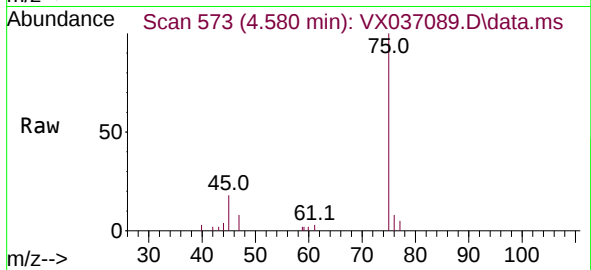




#26
2,2-Dichloropropane
Concen: 0.245 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.104 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

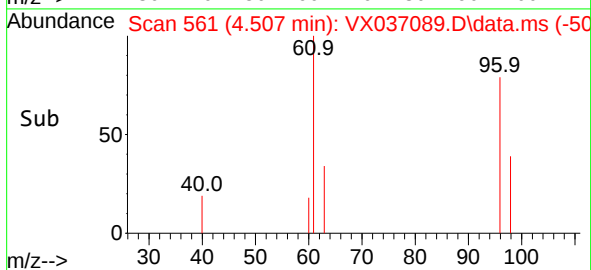
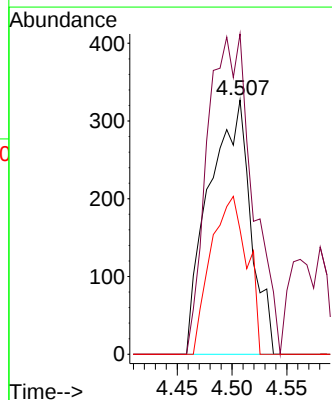
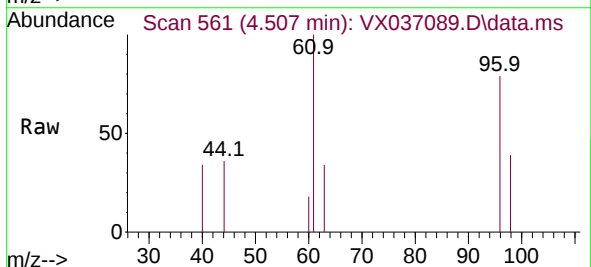
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

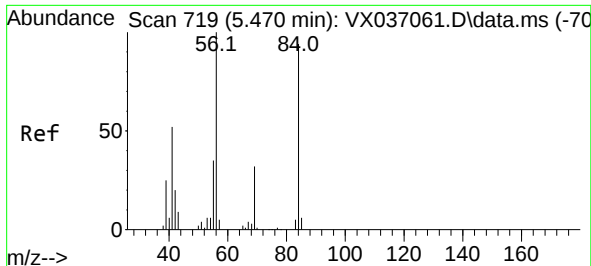
Tgt Ion: 77 Resp: 504
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#27
cis-1,2-Dichloroethene
Concen: 0.558 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.018 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Tgt Ion: 96 Resp: 865
Ion Ratio Lower Upper
96 100
61 135.5 0.0 312.2
98 54.1 0.0 129.0



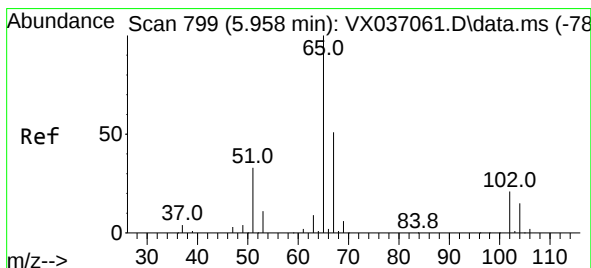
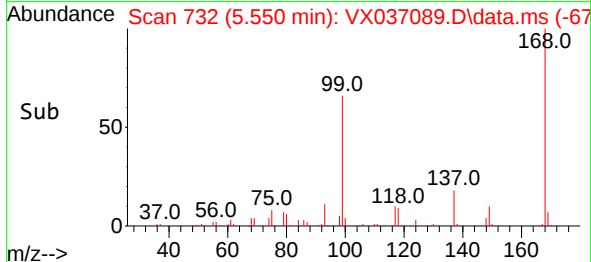
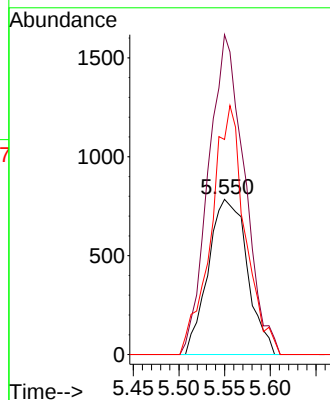
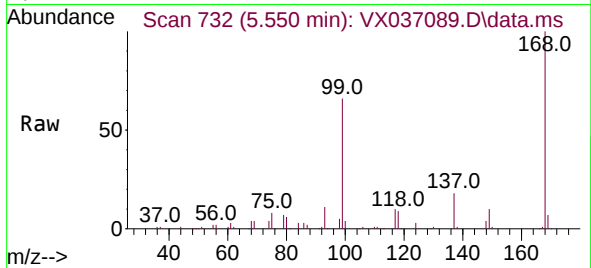


#31
Cyclohexane
Concen: 1.280 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 56 Resp: 2332

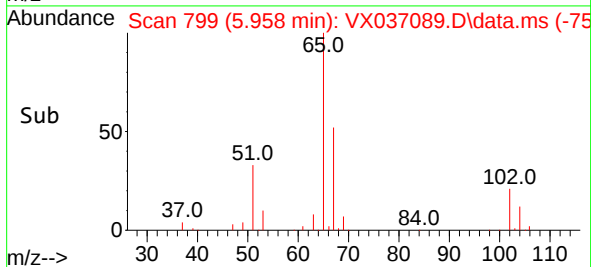
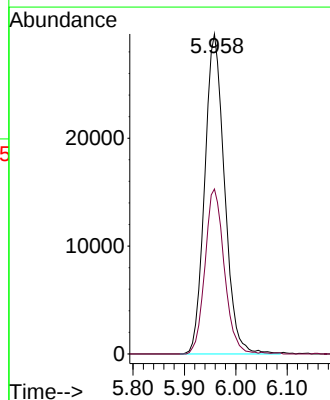
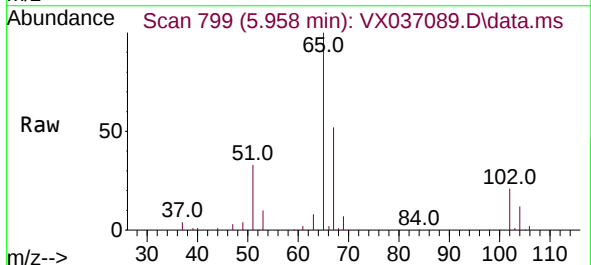
Ion	Ratio	Lower	Upper
56	100		
69	206.0	23.4	35.2#
84	138.5	65.9	98.9#

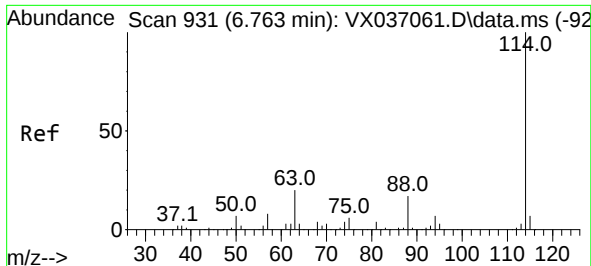


#33
1,2-Dichloroethane-d4
Concen: 48.927 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Tgt Ion: 65 Resp: 79278

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	100.2

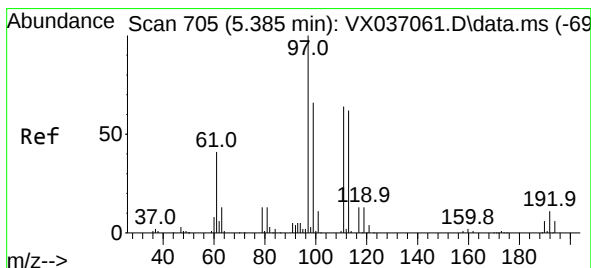
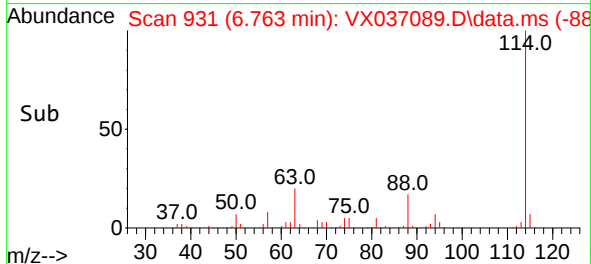
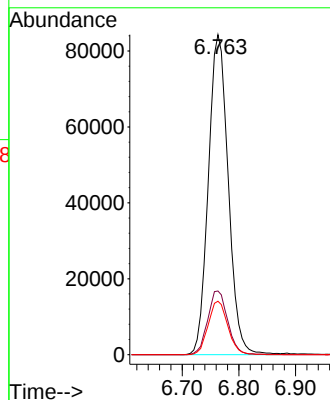
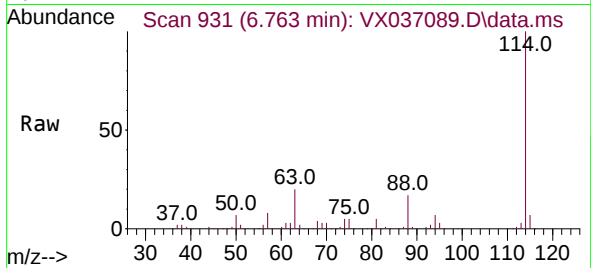




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

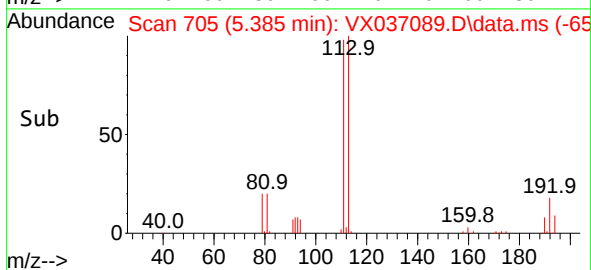
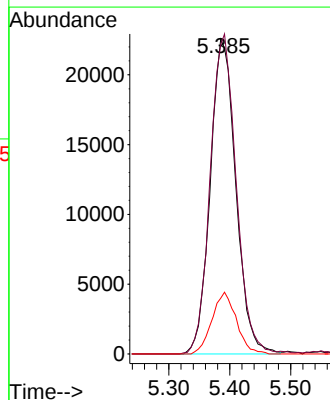
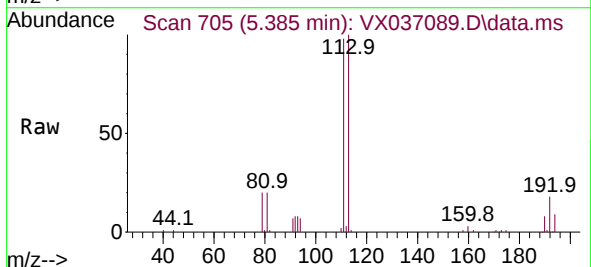
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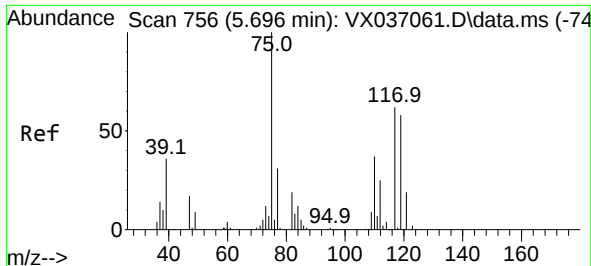
Tgt Ion:114 Resp: 205433
Ion Ratio Lower Upper
114 100
63 19.9 0.0 45.0
88 16.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.449 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Tgt Ion:113 Resp: 65916
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 18.7 13.3 19.9

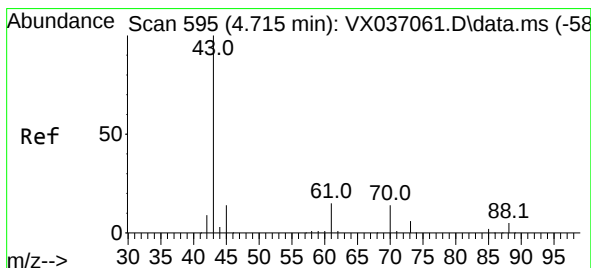
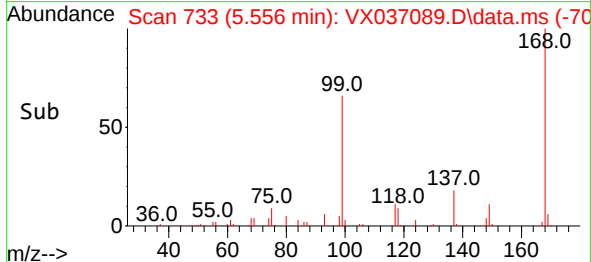
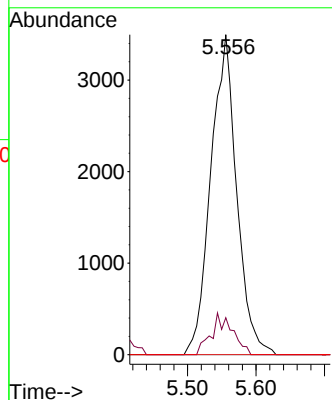
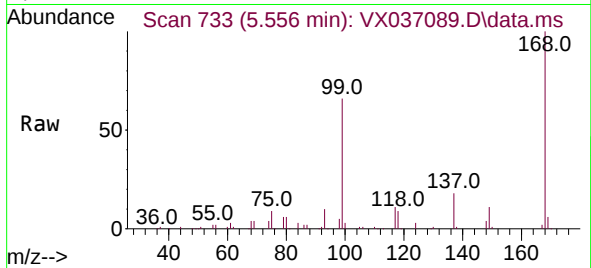




#36
1,1-Dichloropropene
Concen: 4.748 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

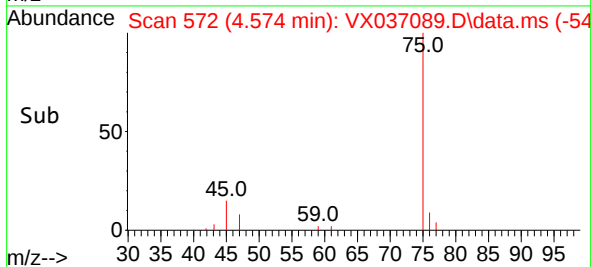
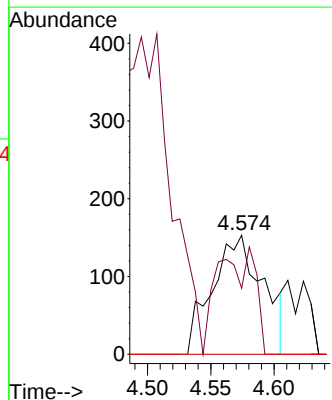
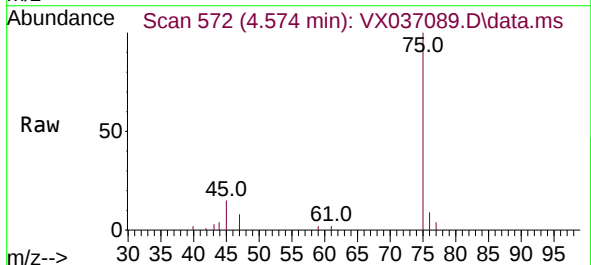
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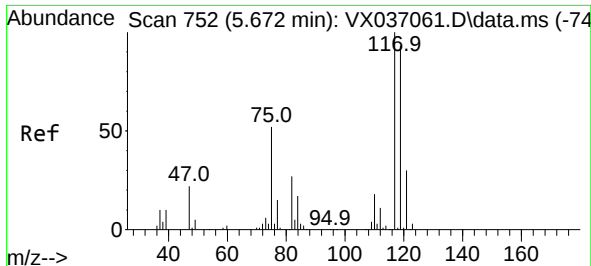
Tgt Ion: 75 Resp: 9177
Ion Ratio Lower Upper
75 100
110 10.6 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.217 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.140 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

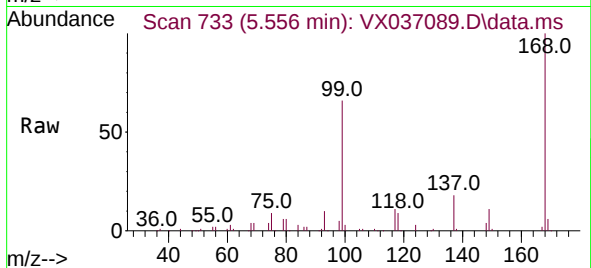
Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
61 65.2 10.6 16.0#
70 0.0 8.3 12.5#



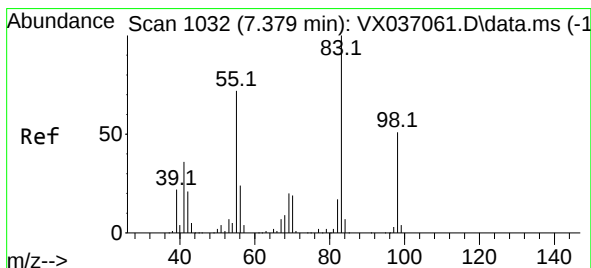
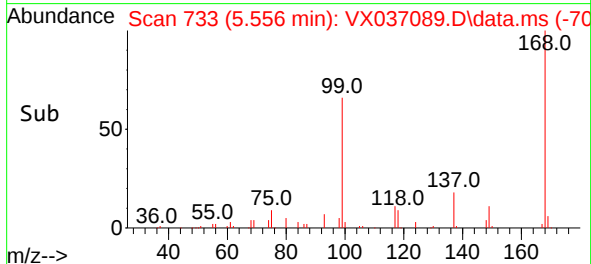
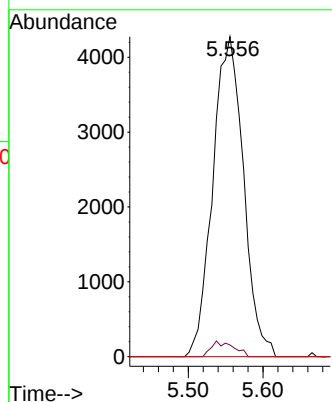


#38
Carbon Tetrachloride
Concen: 5.819 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

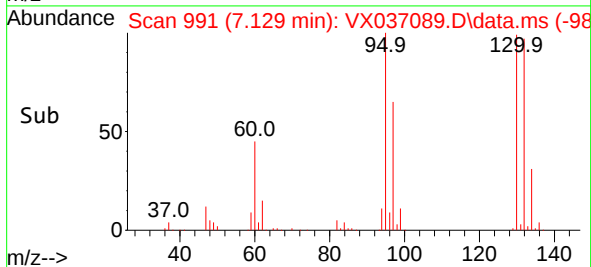
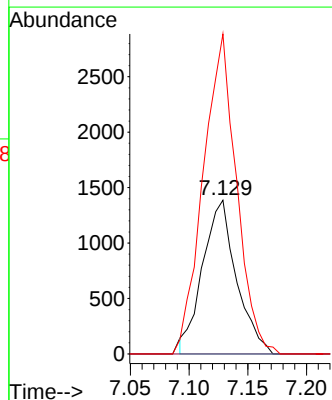
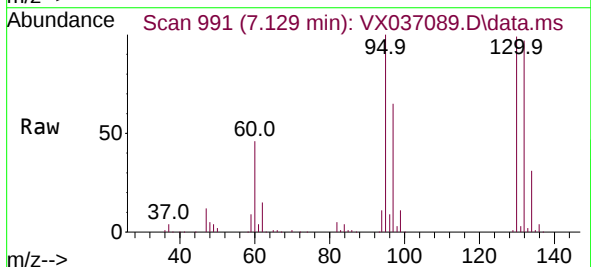


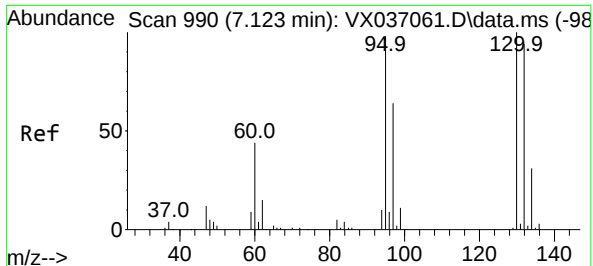
Tgt Ion:117 Resp: 12218
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 1.364 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Tgt Ion: 83 Resp: 2770
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 208.1 36.7 55.1#

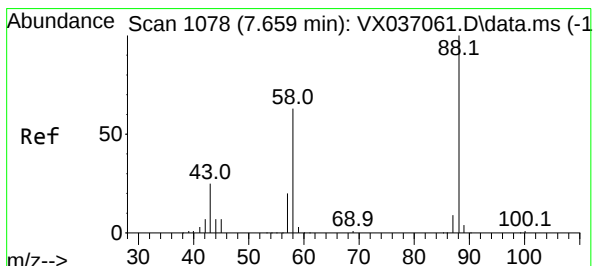
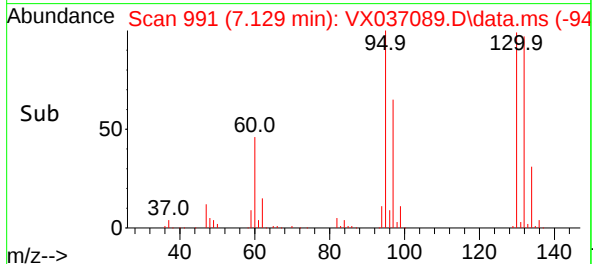
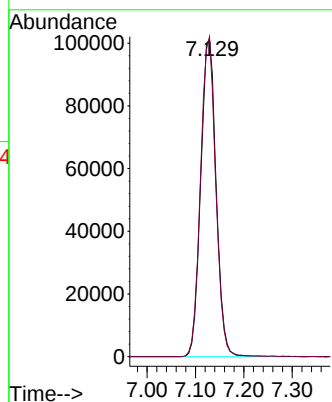
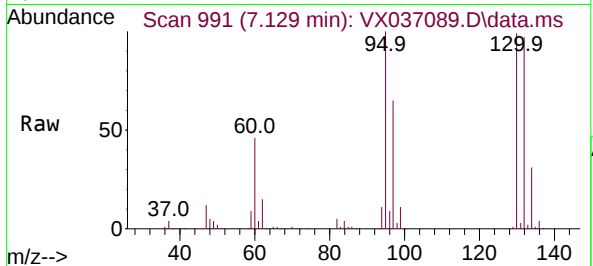




#44
Trichloroethene
Concen: 142.624 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

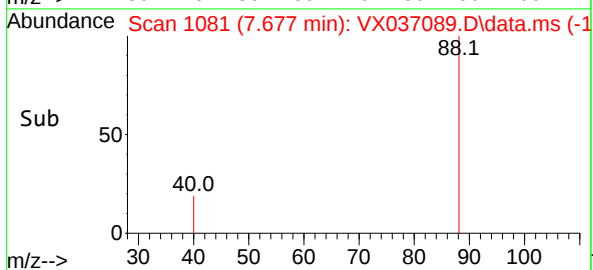
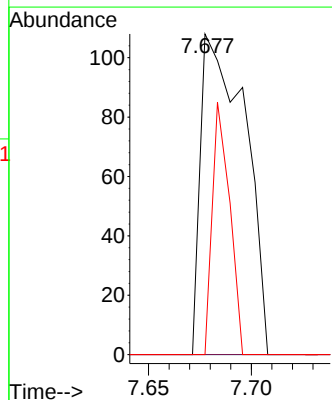
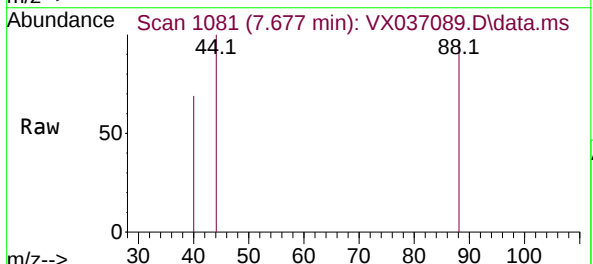
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

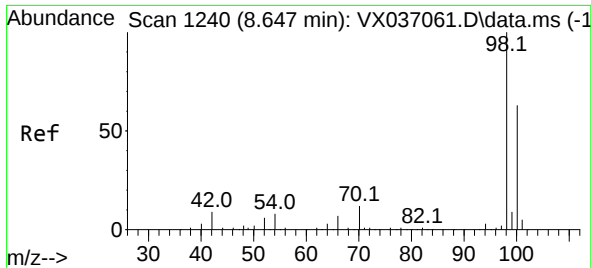
Tgt Ion:130 Resp: 224197
Ion Ratio Lower Upper
130 100
95 100.7 0.0 204.4



#49
1,4-Dioxane
Concen: 3.910 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Tgt Ion: 88 Resp: 161
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 31.1 60.1 90.1#

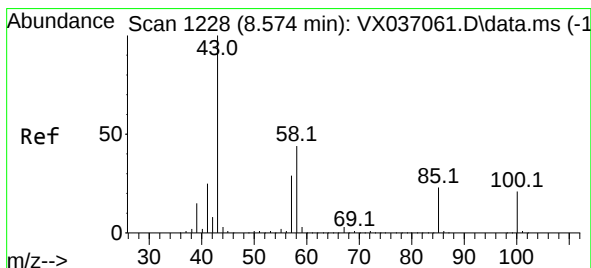
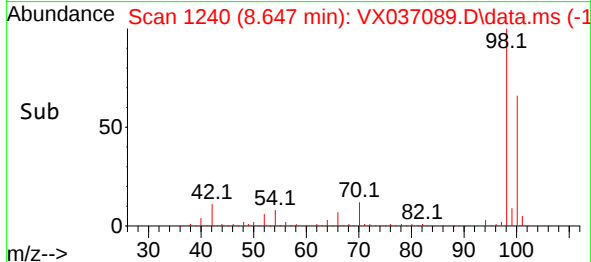
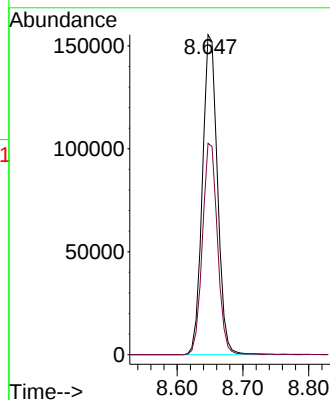
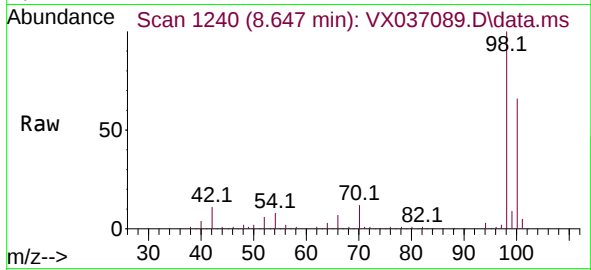




#50
Toluene-d8
Concen: 50.137 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

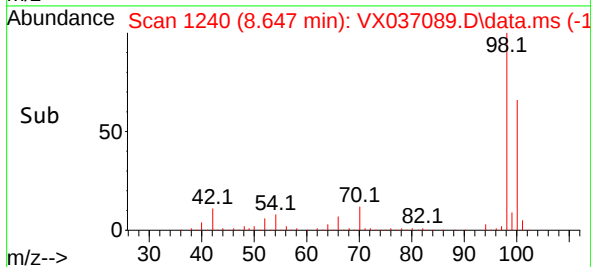
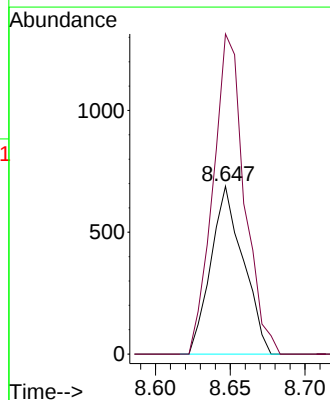
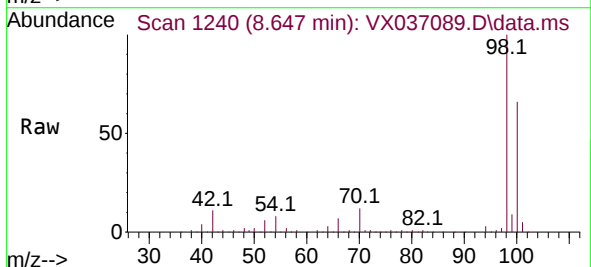
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

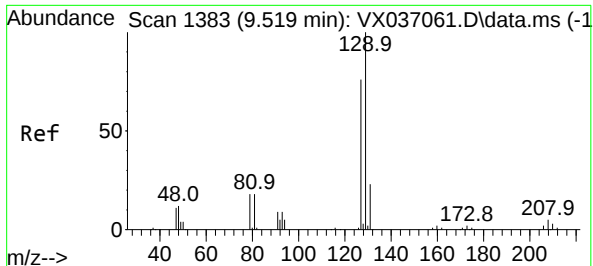
Tgt Ion: 98 Resp: 247433
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.545 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Tgt Ion: 43 Resp: 1037
Ion Ratio Lower Upper
43 100
58 185.2 30.4 45.6#

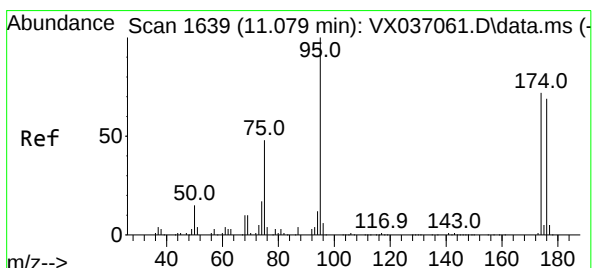
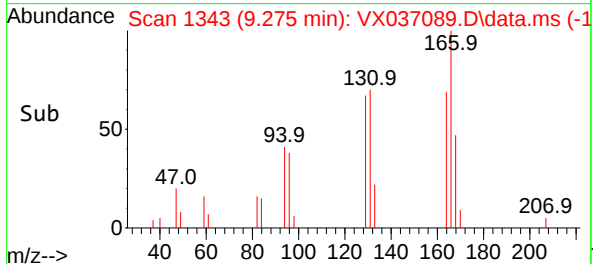
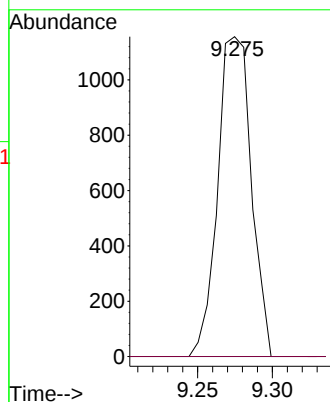
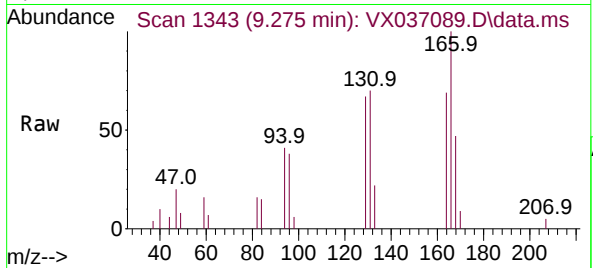




#60
Dibromochloromethane
Concen: 1.139 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

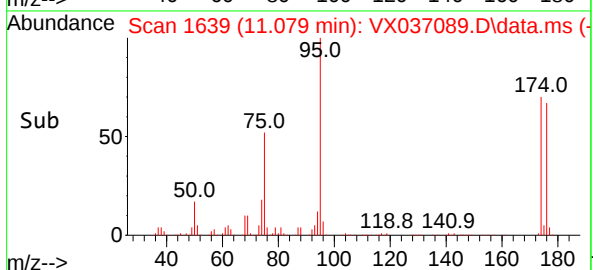
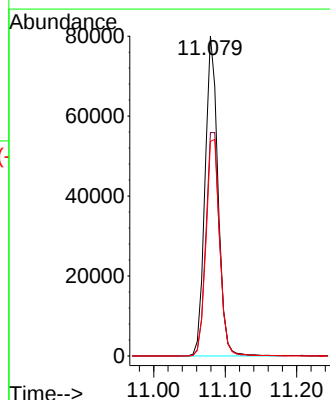
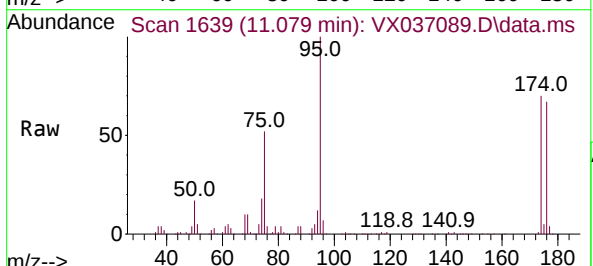
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

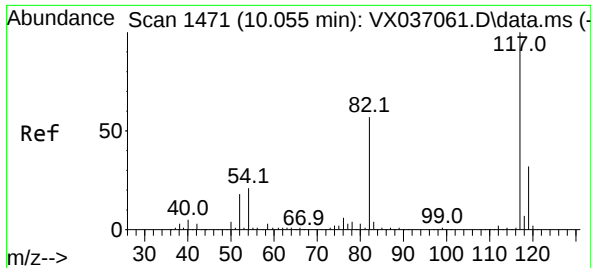
Tgt Ion:129 Resp: 1808
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 51.943 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Tgt Ion: 95 Resp: 100742
Ion Ratio Lower Upper
95 100
174 73.8 0.0 135.6
176 71.5 0.0 131.0

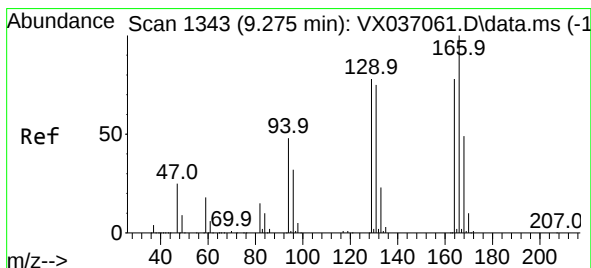
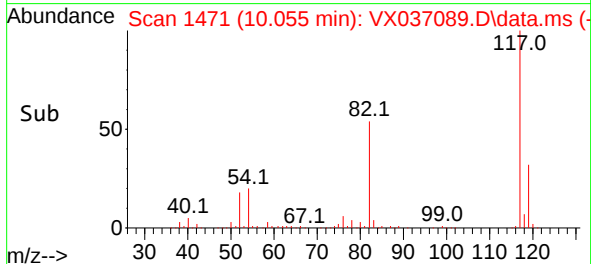
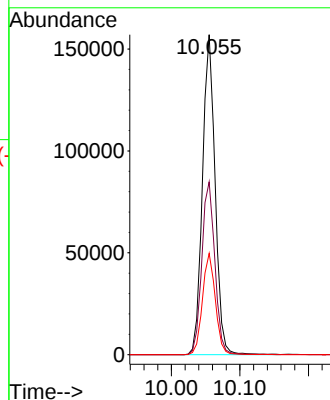
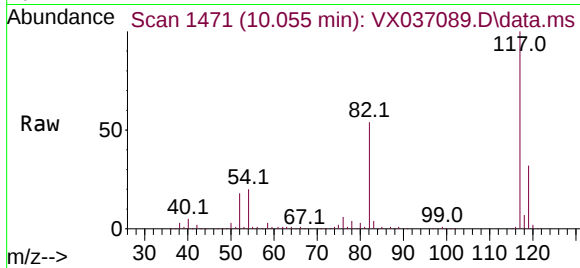




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

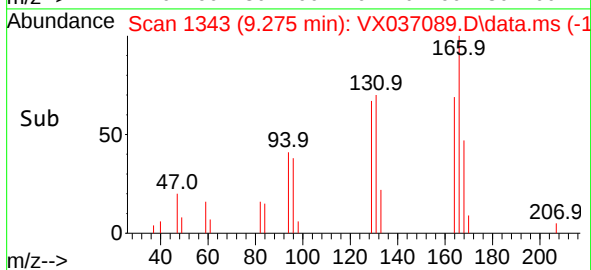
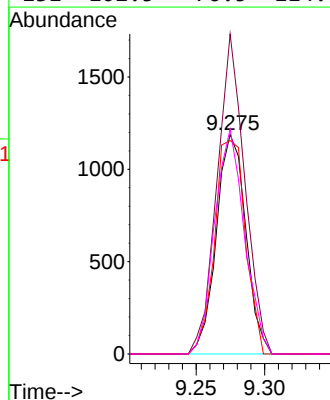
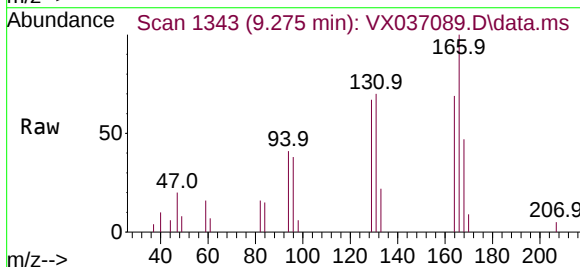
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

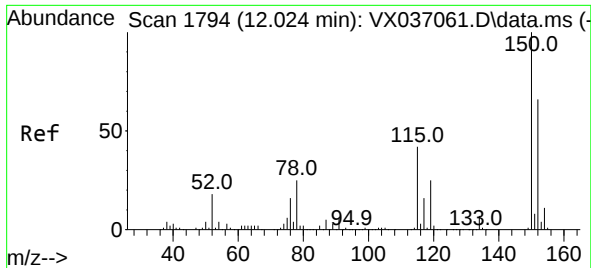
Tgt Ion:117 Resp: 202247
Ion Ratio Lower Upper
117 100
82 54.0 46.2 69.4
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 1.206 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

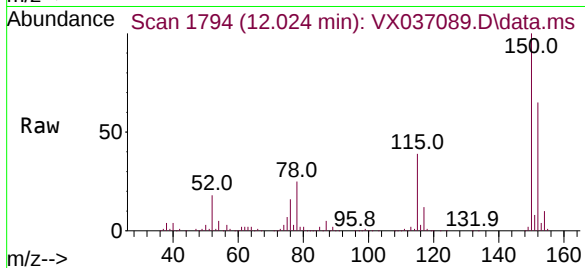
Tgt Ion:164 Resp: 1779
Ion Ratio Lower Upper
164 100
166 145.9 102.7 154.1
129 97.3 80.4 120.6
131 102.5 76.5 114.7



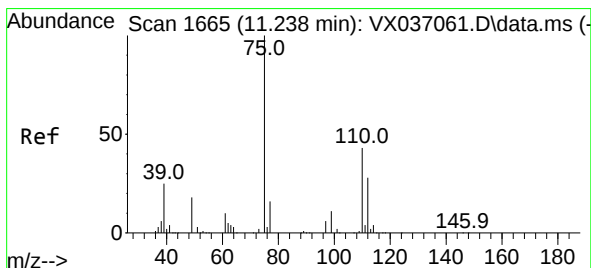
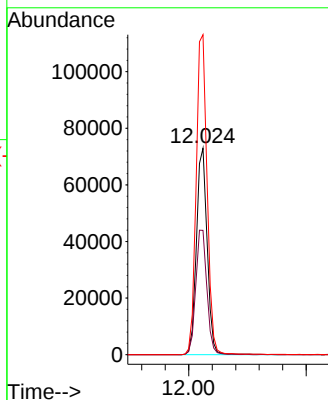
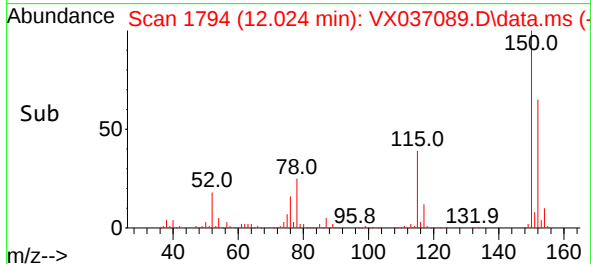


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037089.D
 Acq: 18 Aug 2023 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20230815DL

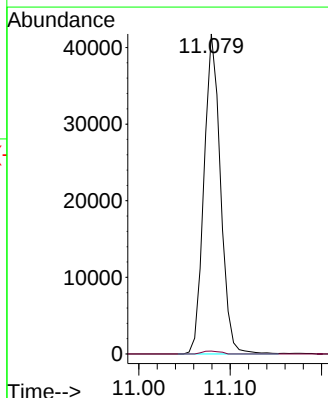
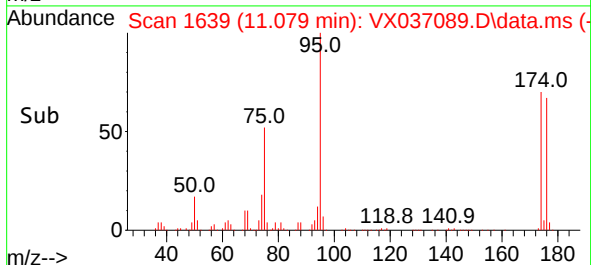
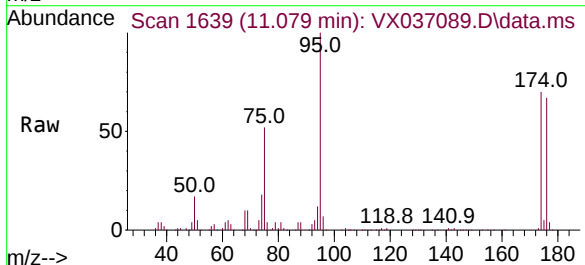


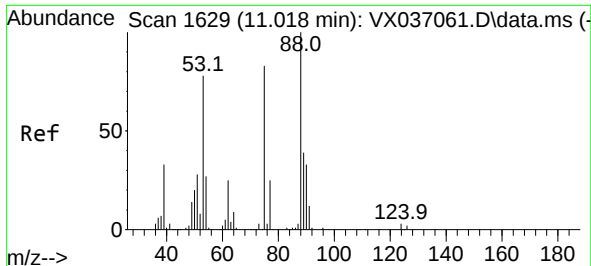
Tgt Ion:152 Resp: 92538
 Ion Ratio Lower Upper
 152 100
 115 62.7 43.3 129.9
 150 157.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 26.548 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX037089.D
 Acq: 18 Aug 2023 17:07

Tgt Ion: 75 Resp: 52319
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

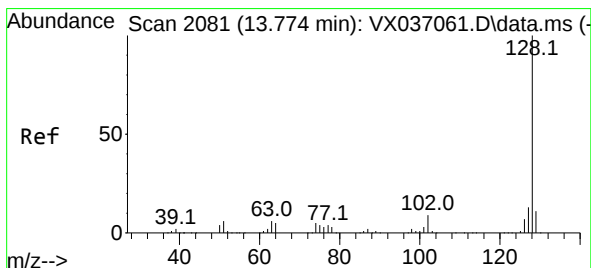
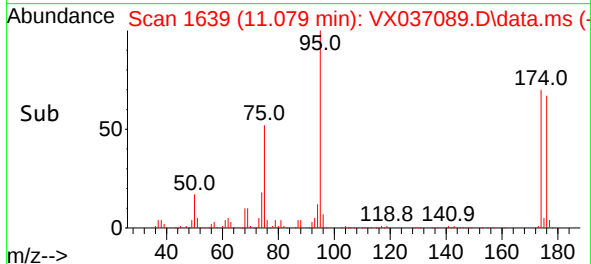
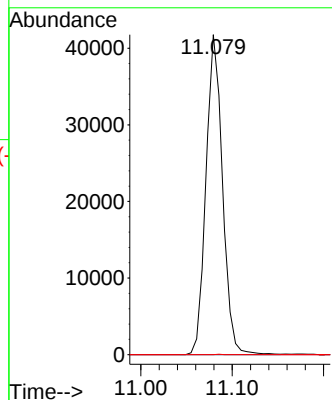
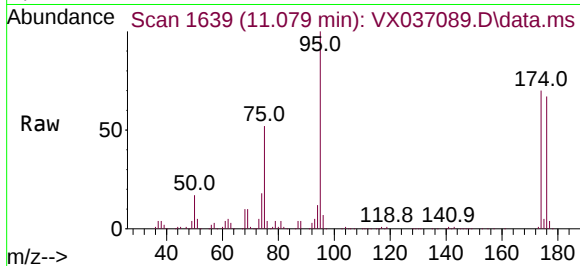




#81
trans-1,4-Dichloro-2-butene
Concen: 74.149 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

Tgt Ion: 75 Resp: 52319
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.723 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX037089.D
Acq: 18 Aug 2023 17:07

Tgt Ion: 128 Resp: 5577
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 9.6 8.8 13.2

