

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037088.D
 Acq On : 18 Aug 2023 16:43
 Operator : JC/MD
 Sample : 04024-02DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20230815DL

Quant Time: Aug 19 05:20:13 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)

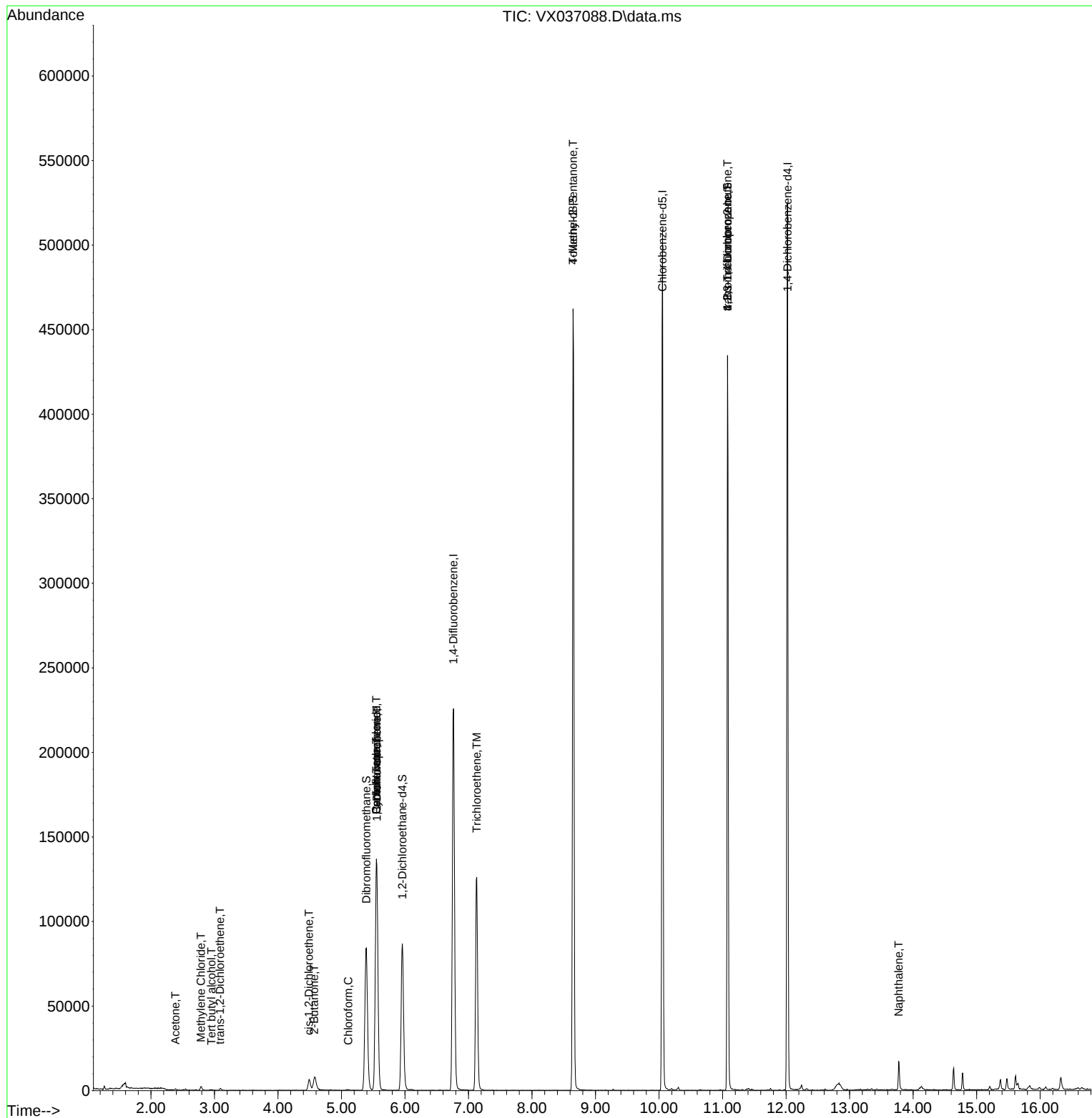
Internal Standards						
1) Pentafluorobenzene	5.550	168	127784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	238042	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87860	47.692	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.380%
35) Dibromofluoromethane	5.391	113	74958	47.547	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.100%
50) Toluene-d8	8.647	98	283357	49.550	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.100%
62) 4-Bromofluorobenzene	11.079	95	119310	53.090	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.180%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	202	0.467	ug/l #	78
16) Acetone	2.386	43	898	1.246	ug/l #	87
20) Methylene Chloride	2.788	84	1252	0.777	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	549	0.367	ug/l #	75
25) 2-Butanone	4.568	43	301	0.277	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	4472	2.537	ug/l	78
30) Chloroform	5.105	83	654	0.222	ug/l #	74
31) Cyclohexane	5.550	56	2671	1.289	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10095	4.507	ug/l #	52
38) Carbon Tetrachloride	5.550	117	13910	5.717	ug/l #	15
44) Trichloroethene	7.129	130	51062	28.033	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	1137	0.515	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	62091	26.177	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	62091	73.113	ug/l #	5
95) Naphthalene	13.774	128	12427	1.338	ug/l	99

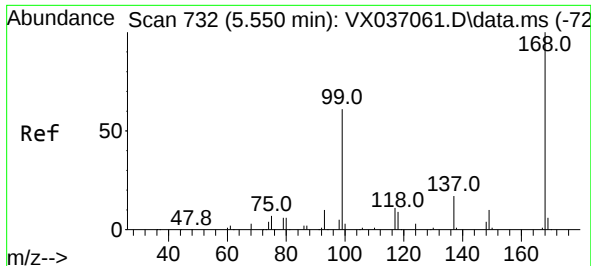
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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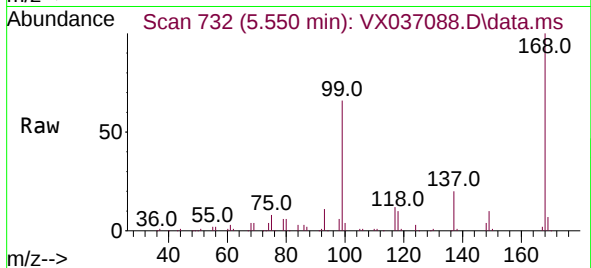
Quant Time: Aug 19 05:20:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



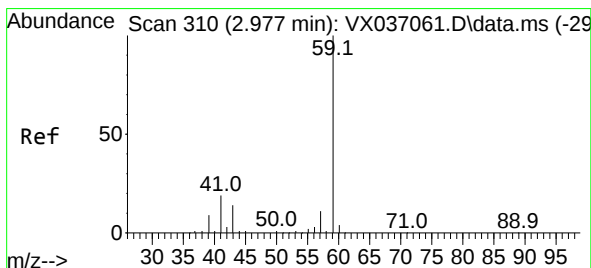
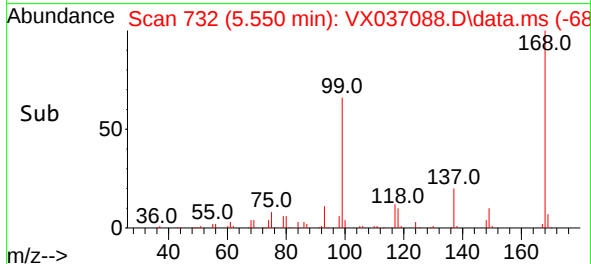
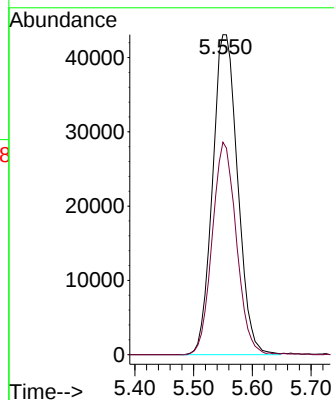


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815DL

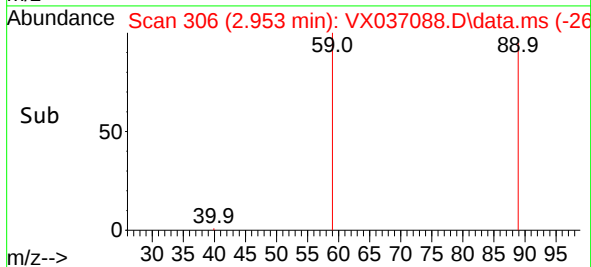
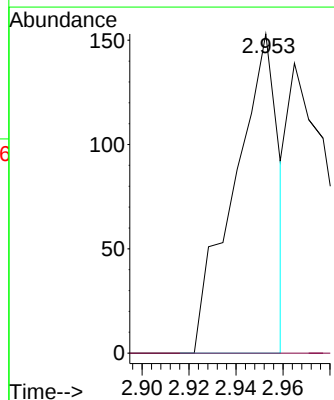
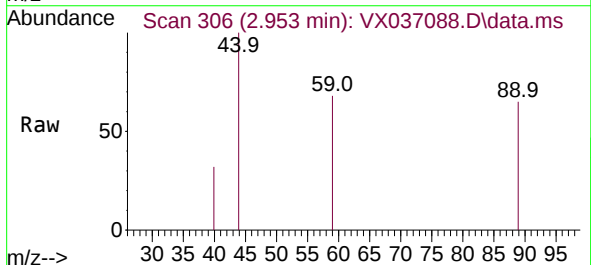


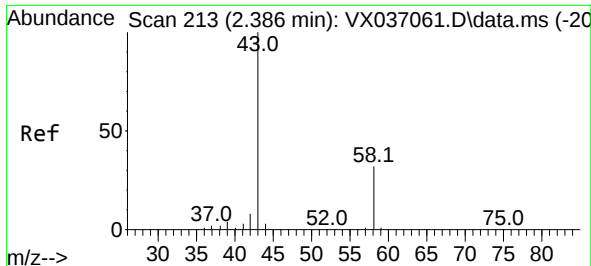
Tgt Ion:168 Resp: 127784
Ion Ratio Lower Upper
168 100
99 66.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.467 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

Tgt Ion: 59 Resp: 202
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

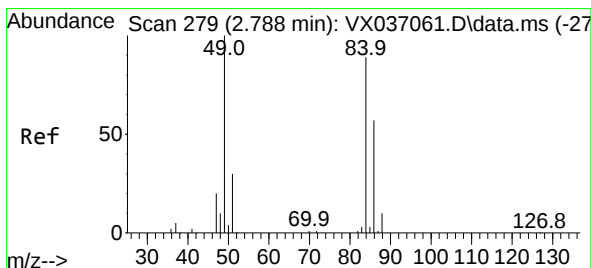
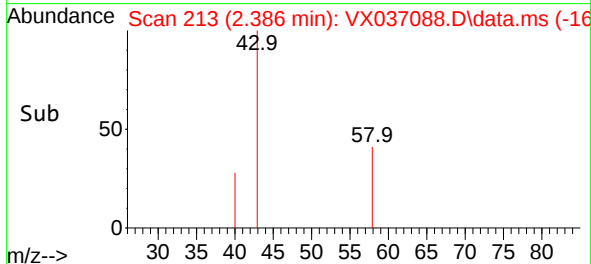
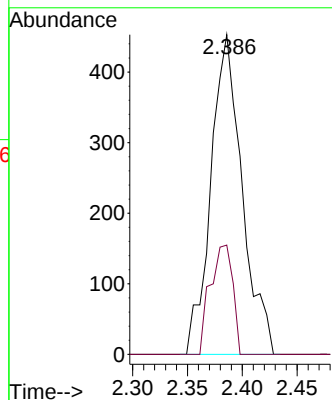
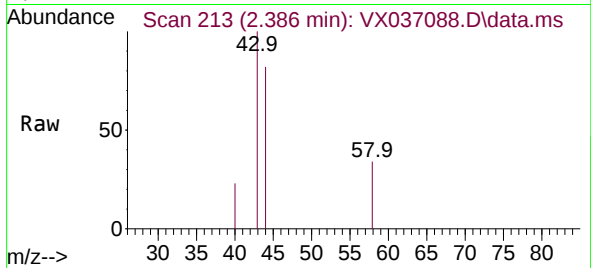




#16
Acetone
Concen: 1.246 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

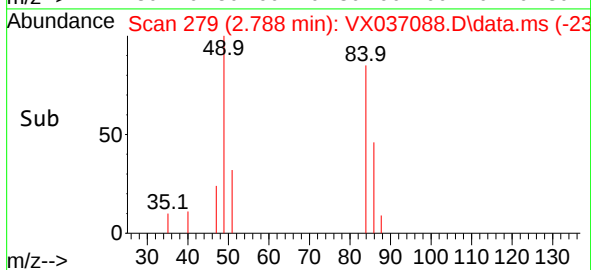
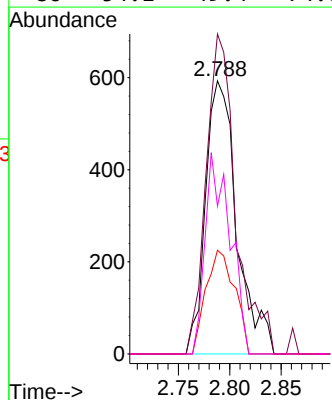
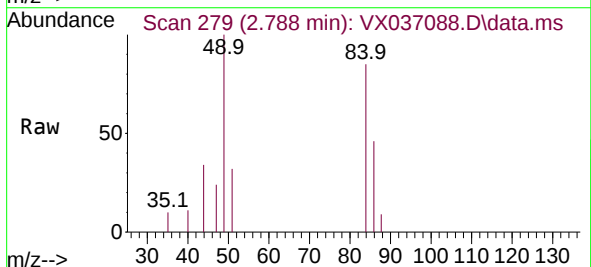
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815DL

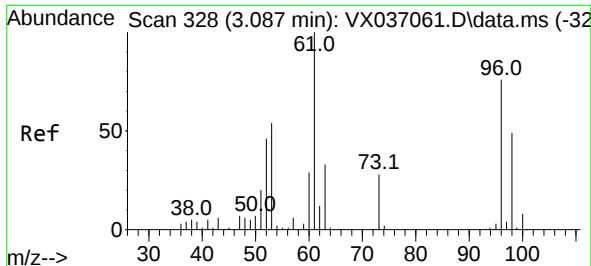
Tgt Ion: 43 Resp: 898
Ion Ratio Lower Upper
43 100
58 34.2 21.9 32.9#



#20
Methylene Chloride
Concen: 0.777 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

Tgt Ion: 84 Resp: 1252
Ion Ratio Lower Upper
84 100
49 117.2 103.6 155.4
51 37.9 33.8 50.6
86 54.1 49.4 74.0

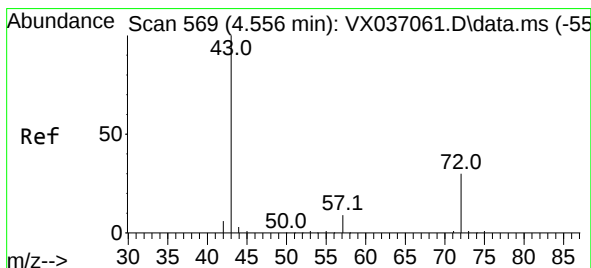
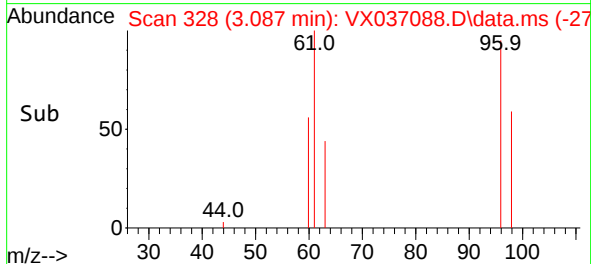
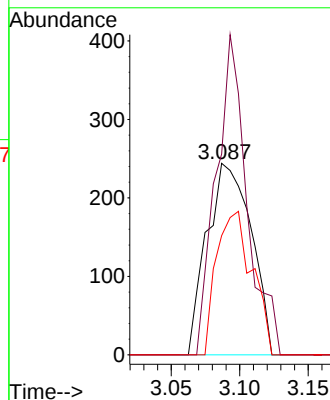
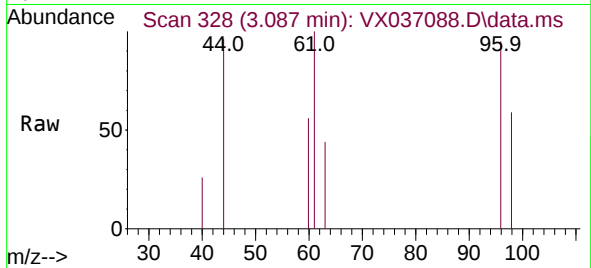




#21
trans-1,2-Dichloroethene
Concen: 0.367 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

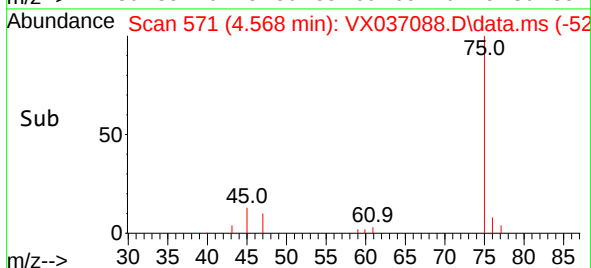
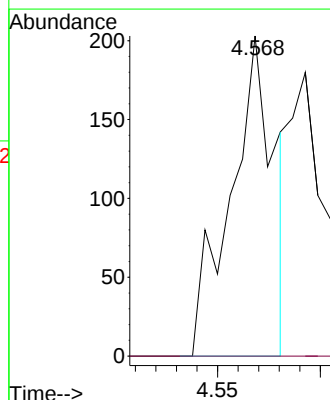
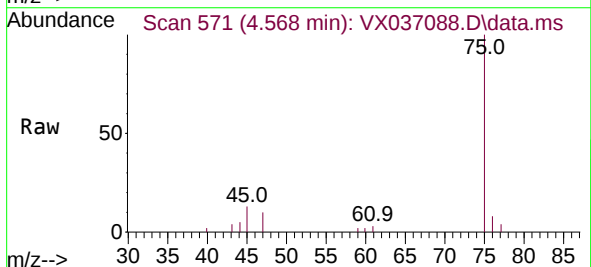
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815DL

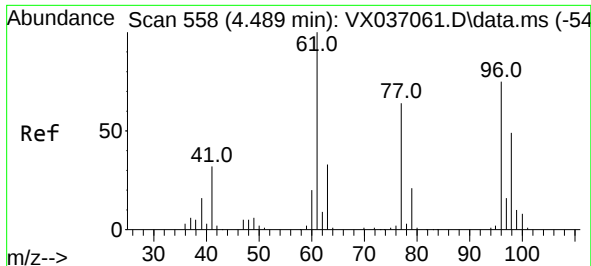
Tgt Ion: 96 Resp: 549
Ion Ratio Lower Upper
96 100
61 104.9 119.2 178.8#
98 62.3 48.7 73.1



#25
2-Butanone
Concen: 0.277 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

Tgt Ion: 43 Resp: 301
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 2.537 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX037088.D

Acq: 18 Aug 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20230815DL

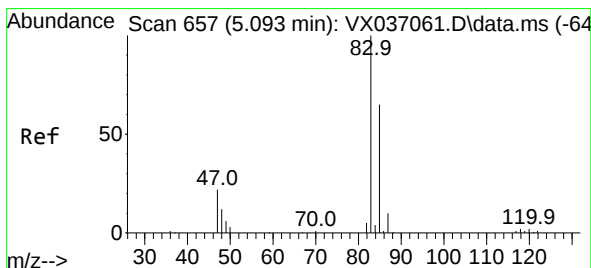
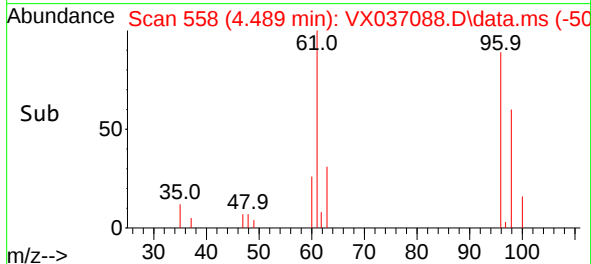
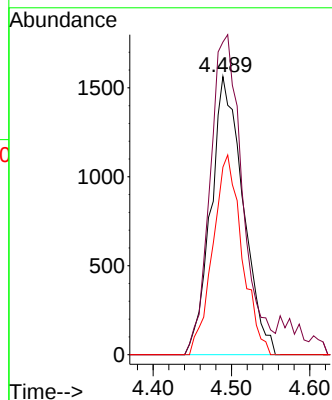
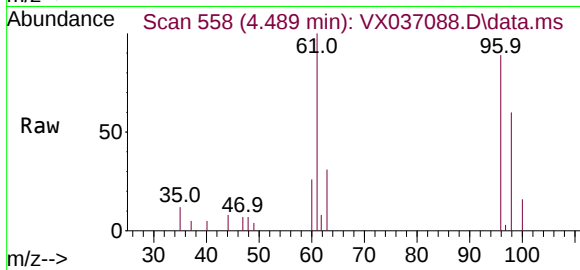
Tgt Ion: 96 Resp: 4472

Ion Ratio Lower Upper

96 100

61 116.0 0.0 312.2

98 65.2 0.0 129.0



#30

Chloroform

Concen: 0.222 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.012 min

Lab File: VX037088.D

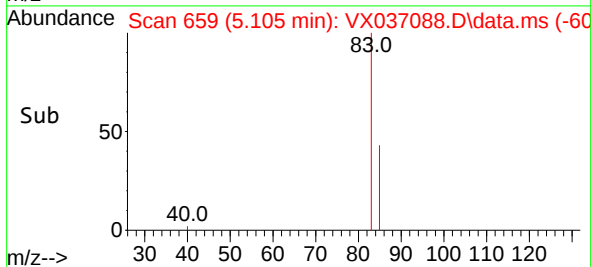
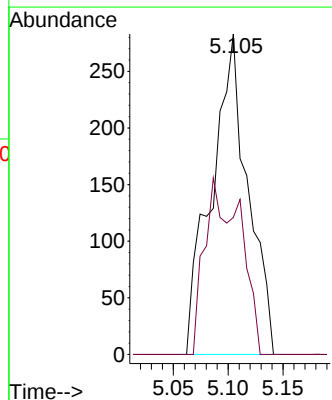
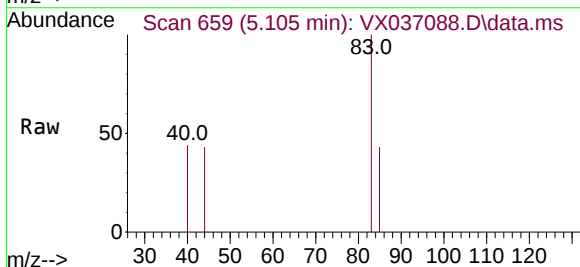
Acq: 18 Aug 2023 16:43

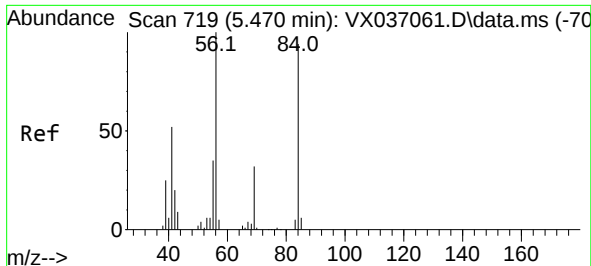
Tgt Ion: 83 Resp: 654

Ion Ratio Lower Upper

83 100

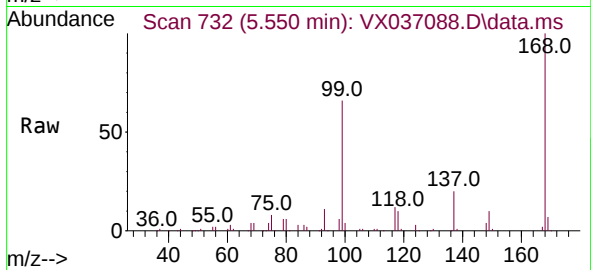
85 42.8 50.3 75.5#



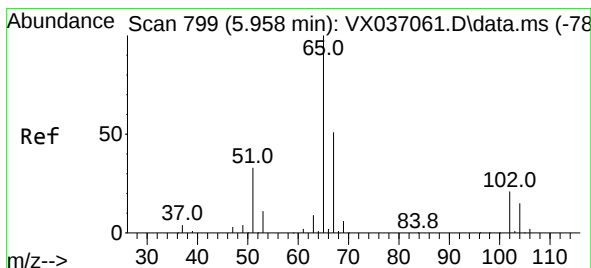
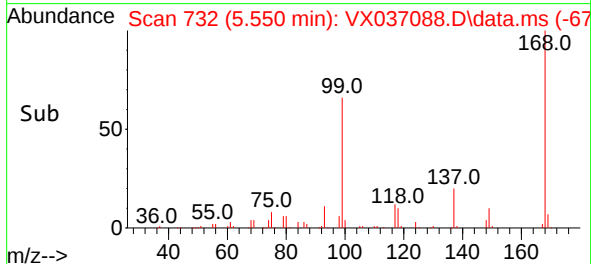
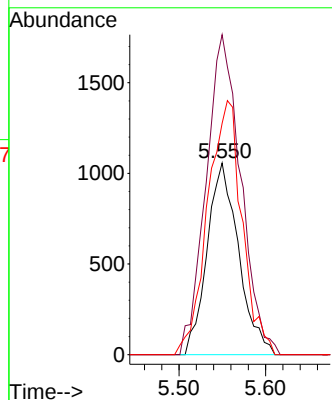


#31
Cyclohexane
Concen: 1.289 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815DL

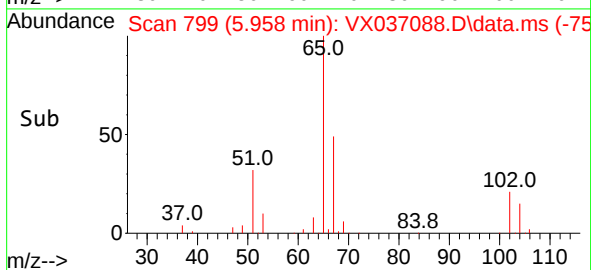
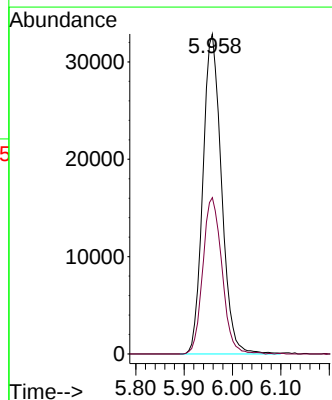
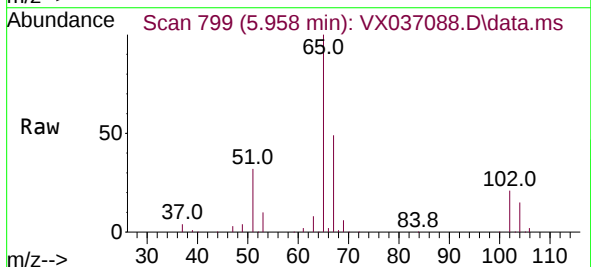


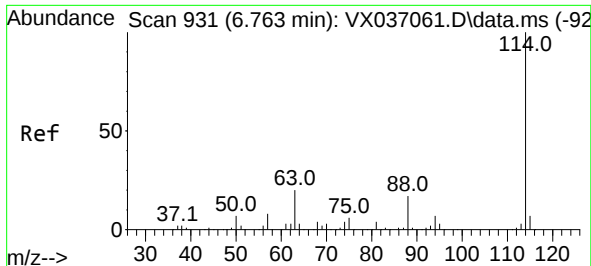
Tgt Ion: 56 Resp: 2671
Ion Ratio Lower Upper
56 100
69 167.0 23.4 35.2#
84 120.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.692 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

Tgt Ion: 65 Resp: 87860
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.2

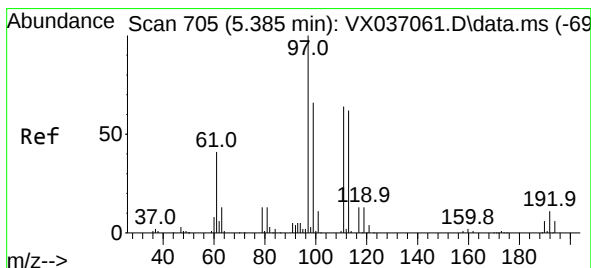
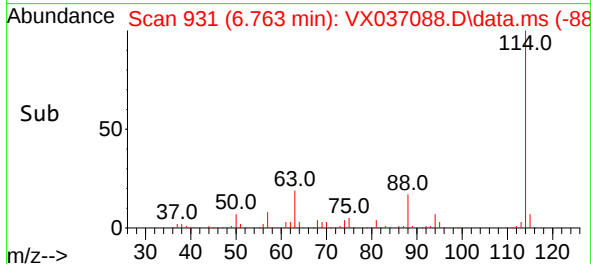
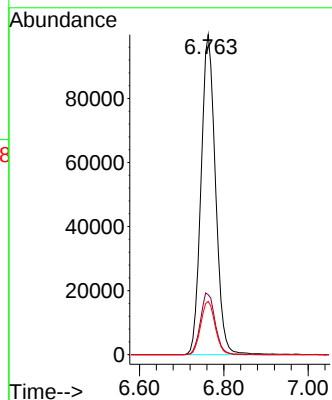
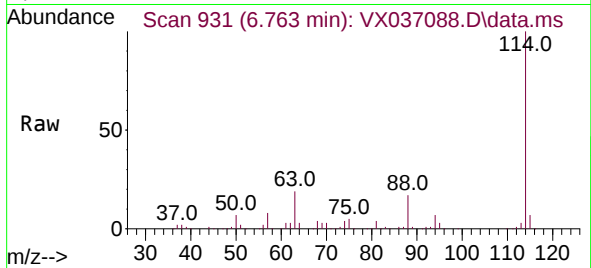




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

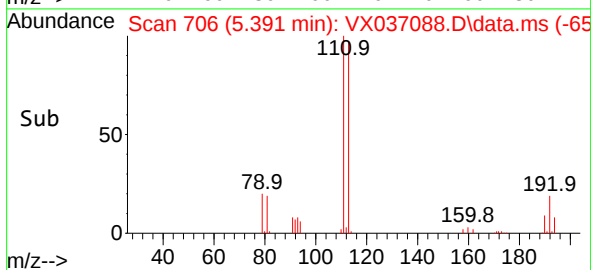
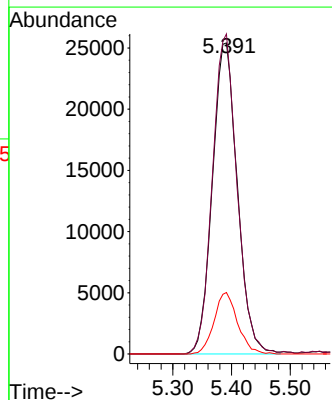
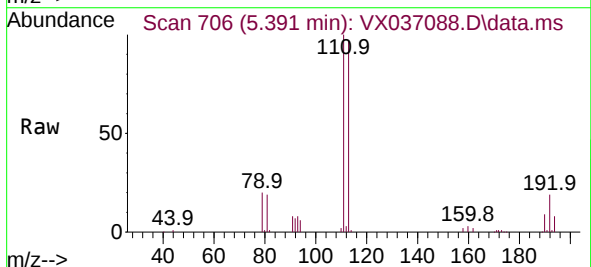
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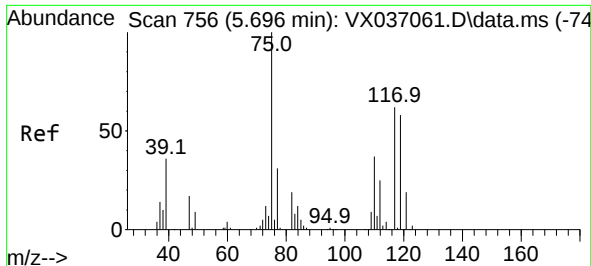
Tgt Ion:114 Resp: 238042
Ion Ratio Lower Upper
114 100
63 18.8 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.547 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

Tgt Ion:113 Resp: 74958
Ion Ratio Lower Upper
113 100
111 101.4 82.9 124.3
192 18.6 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.507 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX037088.D

Acq: 18 Aug 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20230815DL

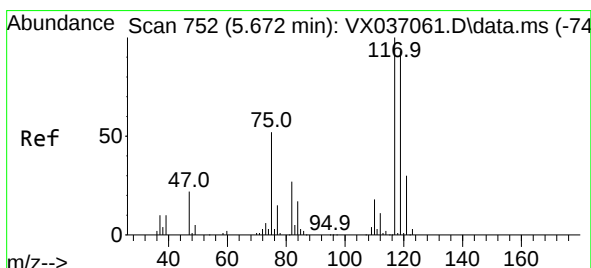
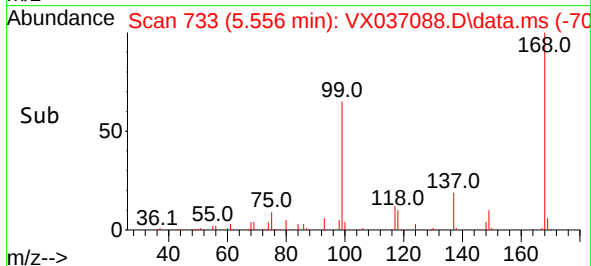
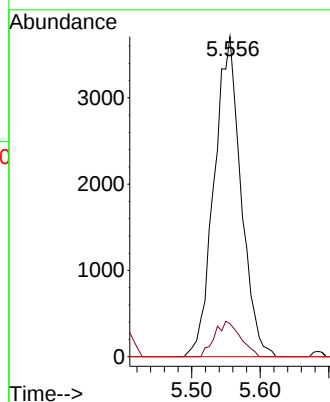
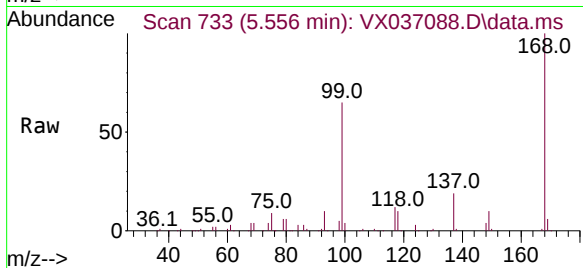
Tgt Ion: 75 Resp: 10095

Ion Ratio Lower Upper

75 100

110 10.6 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.717 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX037088.D

Acq: 18 Aug 2023 16:43

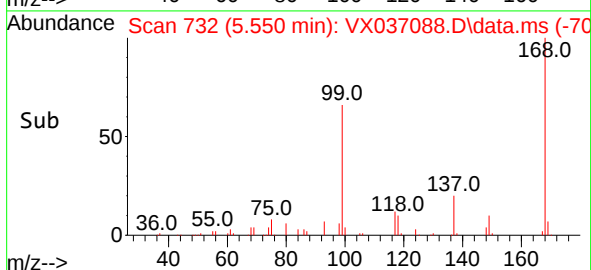
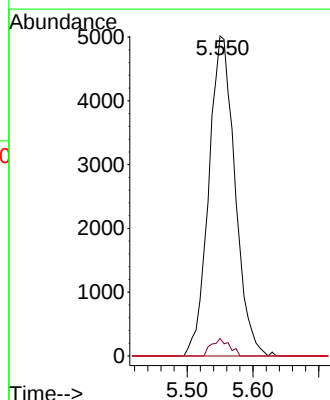
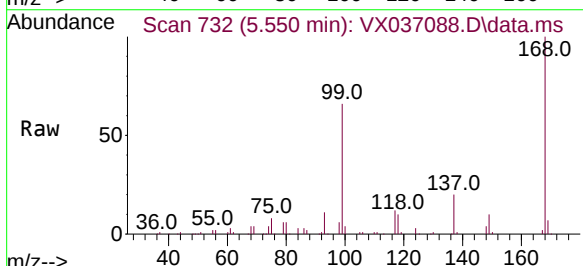
Tgt Ion: 117 Resp: 13910

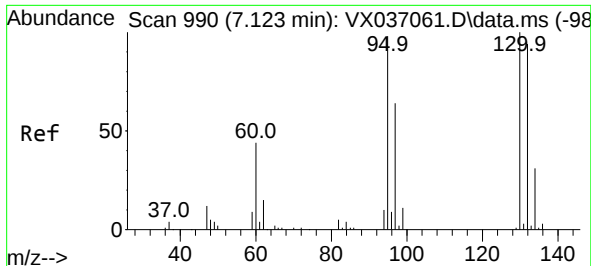
Ion Ratio Lower Upper

117 100

119 5.5 78.2 117.2#

121 0.0 24.4 36.6#

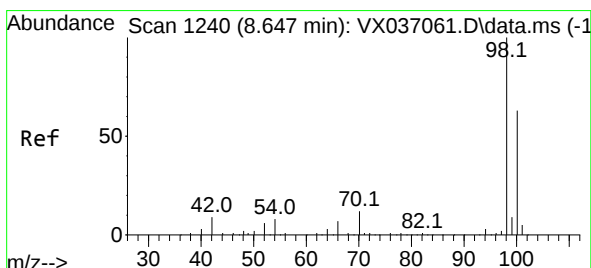
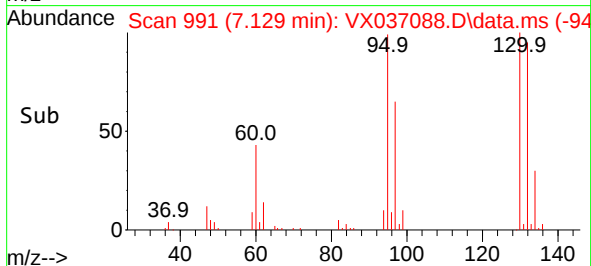
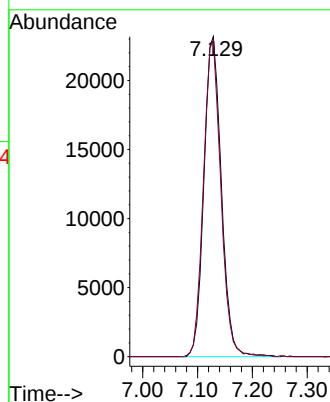
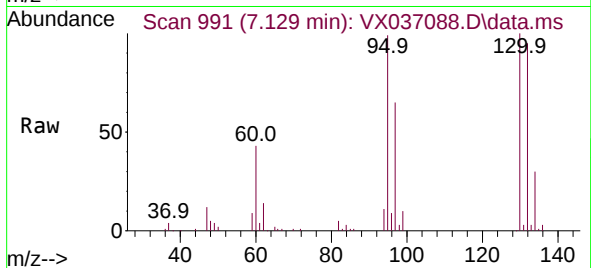




#44
Trichloroethene
Concen: 28.033 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

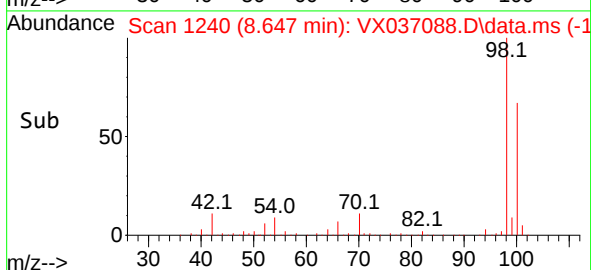
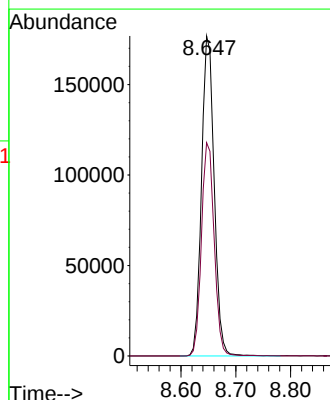
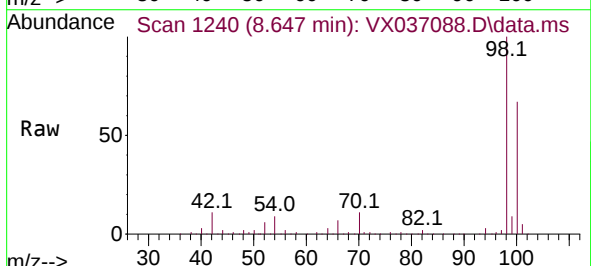
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815DL

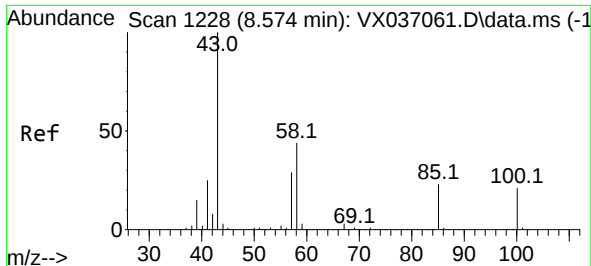
Tgt Ion:130 Resp: 51062
Ion Ratio Lower Upper
130 100
95 99.0 0.0 204.4



#50
Toluene-d8
Concen: 49.550 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

Tgt Ion: 98 Resp: 283357
Ion Ratio Lower Upper
98 100
100 67.3 53.1 79.7

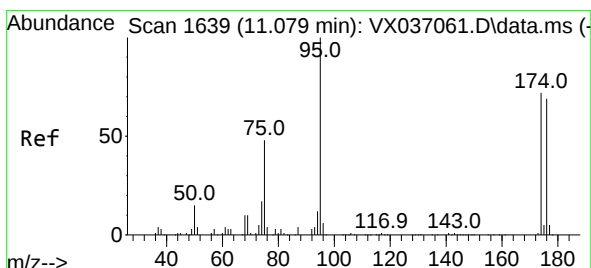
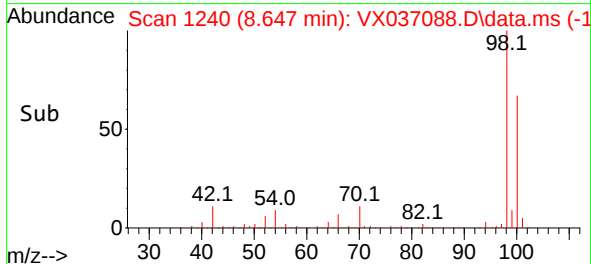
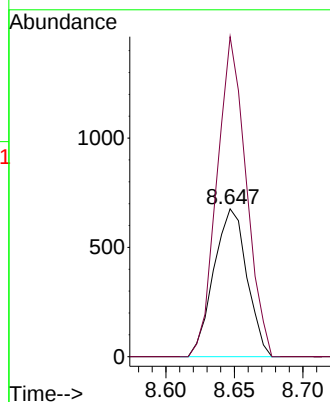
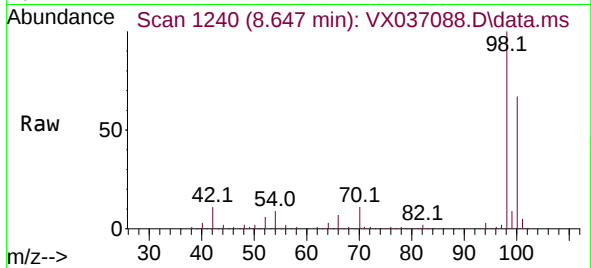




#51
4-Methyl-2-Pentanone
Concen: 0.515 ug/l
RT: 8.647 min Scan# 1137
Delta R.T. 0.073 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

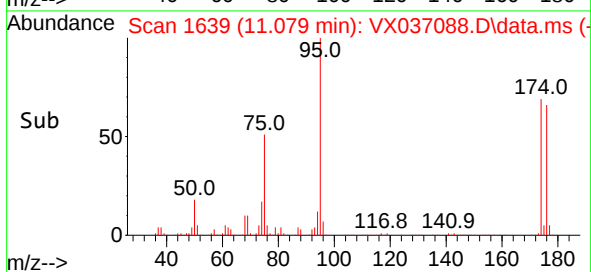
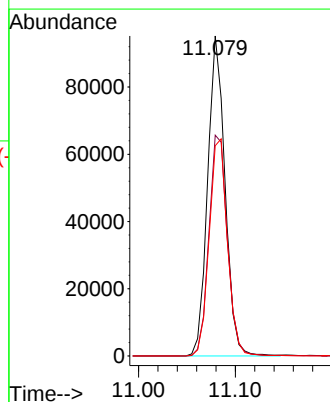
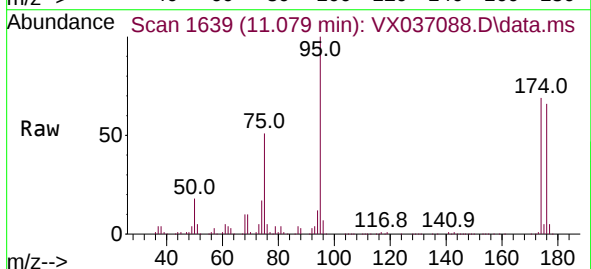
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815DL

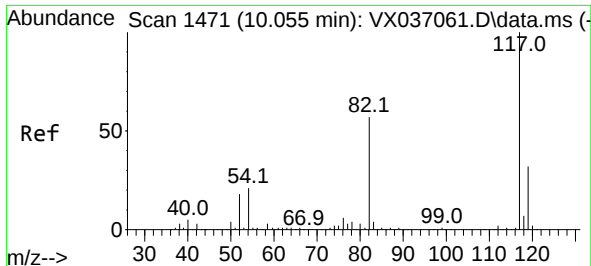
Tgt Ion: 43 Resp: 1137
Ion Ratio Lower Upper
43 100
58 191.3 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 53.090 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

Tgt Ion: 95 Resp: 119310
Ion Ratio Lower Upper
95 100
174 73.2 0.0 135.6
176 71.3 0.0 131.0

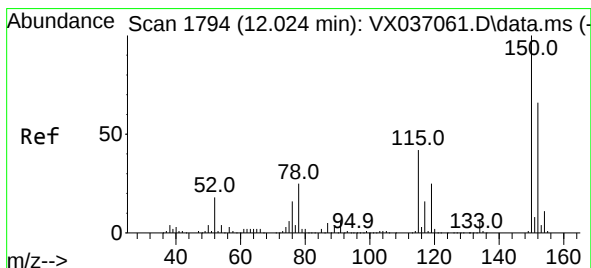
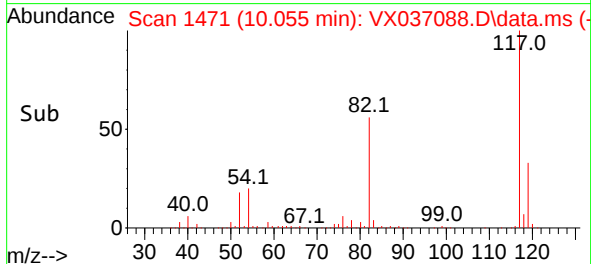
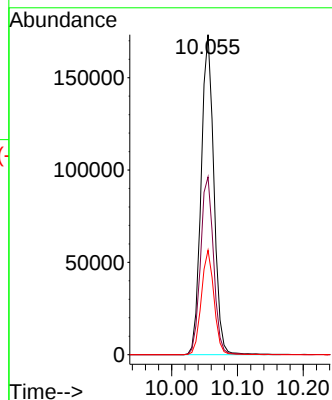
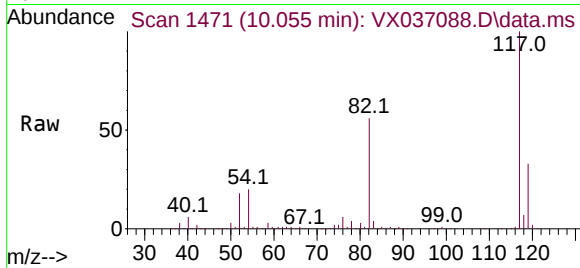




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

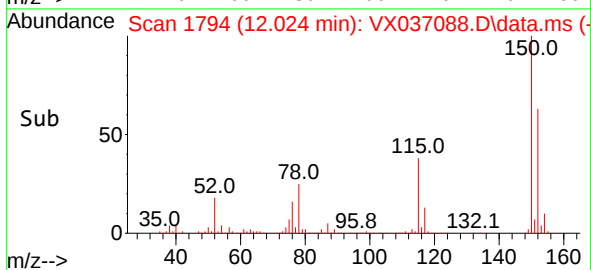
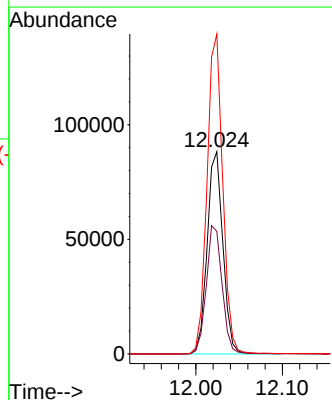
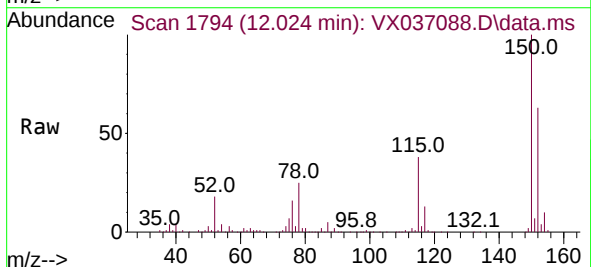
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815DL

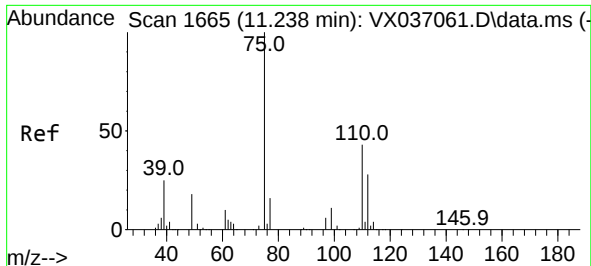
Tgt Ion:117 Resp: 233080
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

Tgt Ion:152 Resp: 111378
Ion Ratio Lower Upper
152 100
115 63.7 43.3 129.9
150 157.5 0.0 345.0

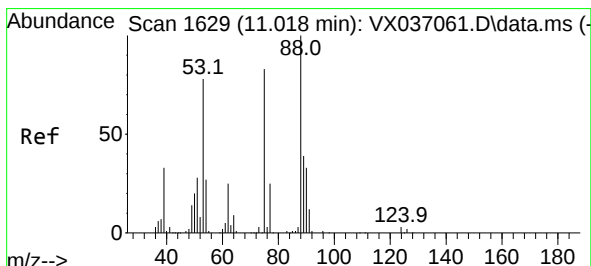
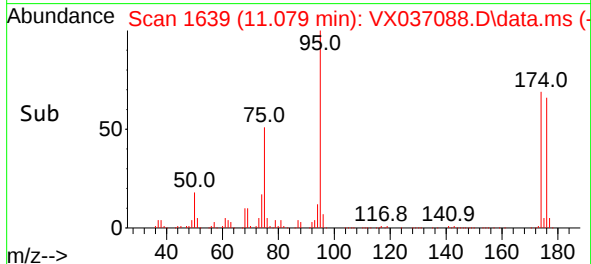
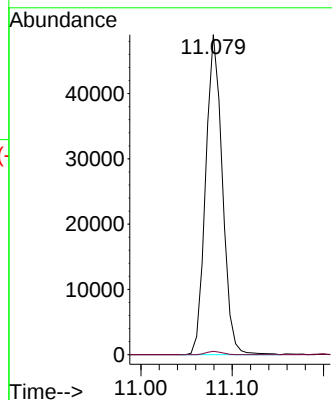
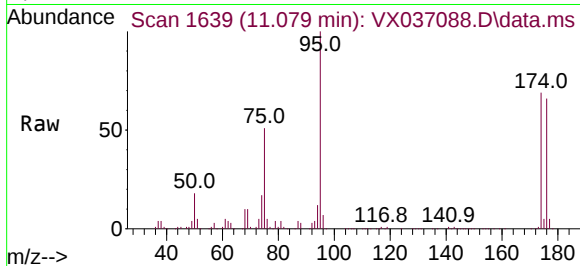




#76
1,2,3-Trichloropropane
Concen: 26.177 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

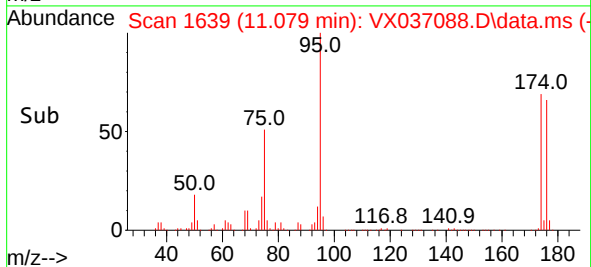
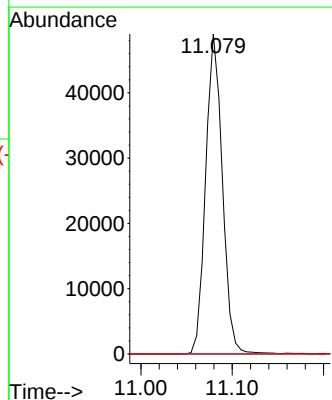
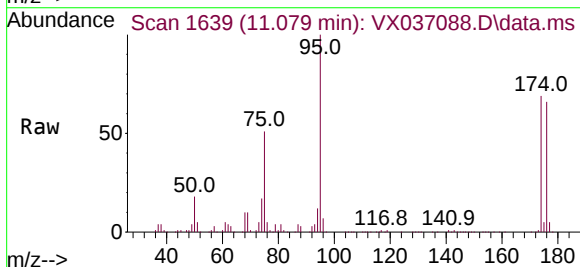
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815DL

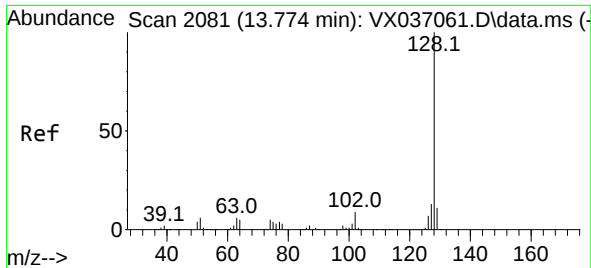
Tgt Ion: 75 Resp: 62091
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.113 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037088.D
Acq: 18 Aug 2023 16:43

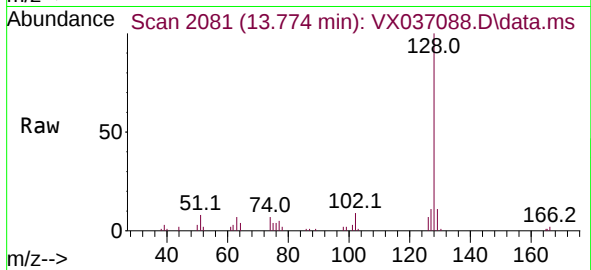
Tgt Ion: 75 Resp: 62091
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#95
 Naphthalene
 Concen: 1.338 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. 0.000 min
 Lab File: VX037088.D
 Acq: 18 Aug 2023 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20230815DL



Tgt Ion:	128	Resp:	12427
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	10.3	8.8	13.2

