

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037011.D
 Acq On : 16 Aug 2023 12:36
 Operator : JC/MD
 Sample : 04024-05 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20230815

Quant Time: Aug 17 04:13:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

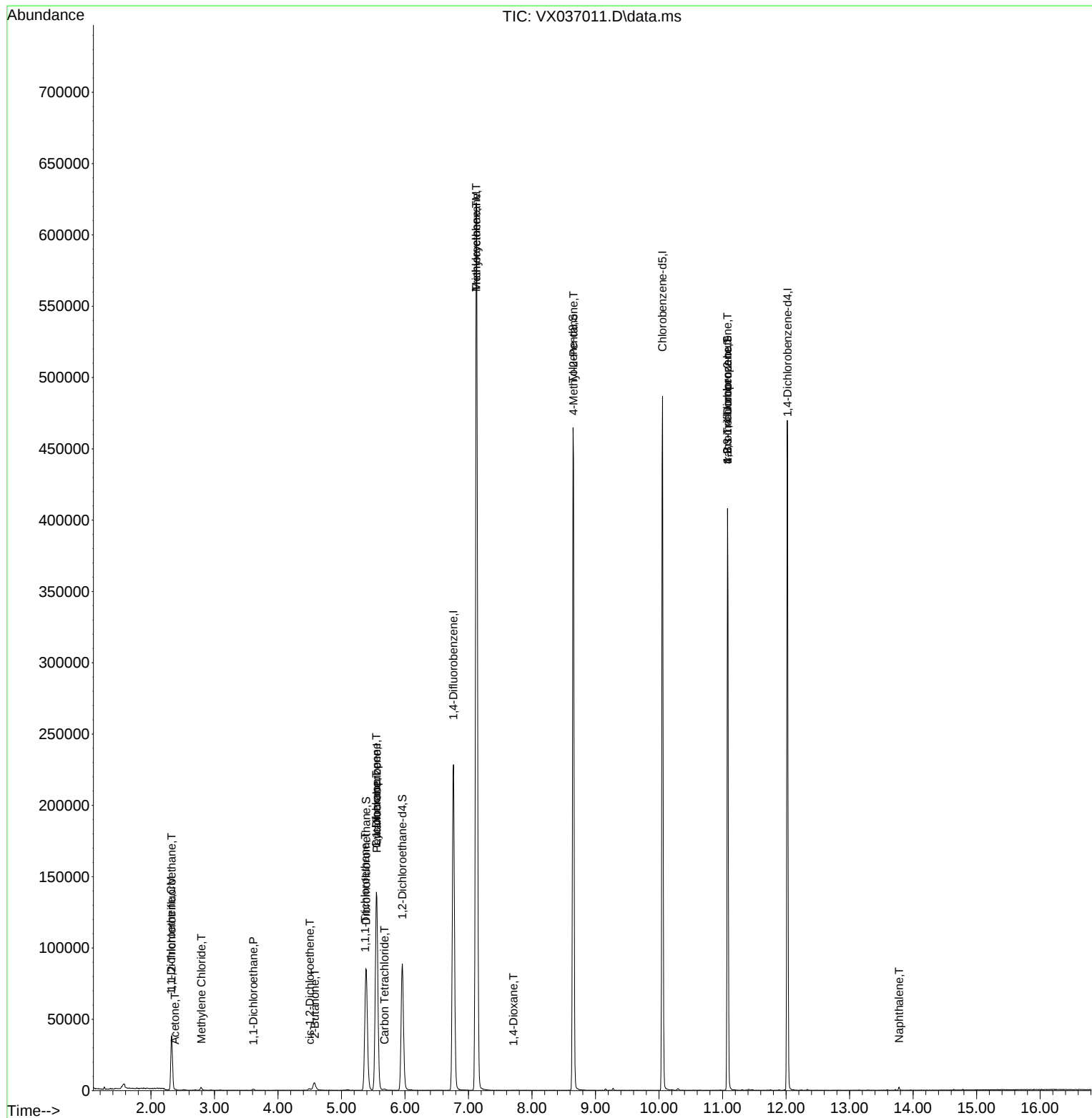
Internal Standards						
1) Pentafluorobenzene	5.556	168	128498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	235317	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90062	47.368	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.740%
35) Dibromofluoromethane	5.385	113	74345	45.965	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.920%
50) Toluene-d8	8.647	98	281284	49.040	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.080%
62) 4-Bromofluorobenzene	11.079	95	108905	50.325	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.660%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	10398	7.130	ug/l	99
12) 1,1-Dichloroethene	2.319	96	5374	3.735	ug/l	91
16) Acetone	2.380	43	788	0.999	ug/l #	84
20) Methylene Chloride	2.794	84	1010	0.576	ug/l #	74
24) 1,1-Dichloroethane	3.611	63	1184	0.393	ug/l #	83
25) 2-Butanone	4.580	43	386	0.302	ug/l #	51
27) cis-1,2-Dichloroethene	4.501	96	878	0.460	ug/l	86
31) Cyclohexane	5.550	56	2807	1.066	ug/l #	1
32) 1,1,1-Trichloroethane	5.373	97	711	0.251	ug/l #	46
36) 1,1-Dichloropropene	5.550	75	10603	4.398	ug/l #	50
38) Carbon Tetrachloride	5.678	117	796	0.311	ug/l #	80
39) Methylcyclohexane	7.123	83	2803	0.935	ug/l #	1
44) Trichloroethene	7.123	130	242890	132.481	ug/l	97
49) 1,4-Dioxane	7.708	88	19	0.431	ug/l #	12
51) 4-Methyl-2-Pentanone	8.653	43	1126	0.433	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	56826	25.038	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	56826	56.751	ug/l #	5
95) Naphthalene	13.780	128	2059	0.295	ug/l #	88

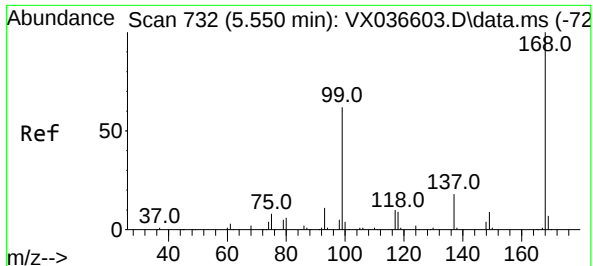
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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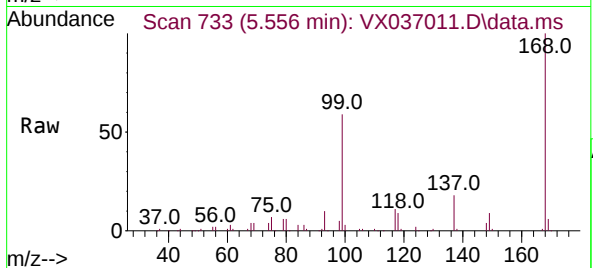
Quant Time: Aug 17 04:13:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
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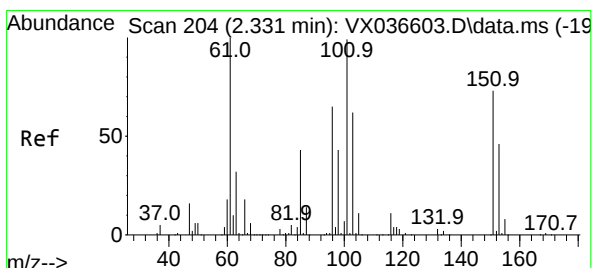
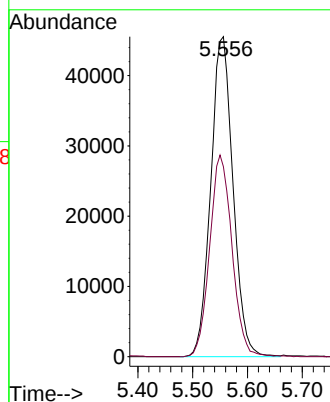
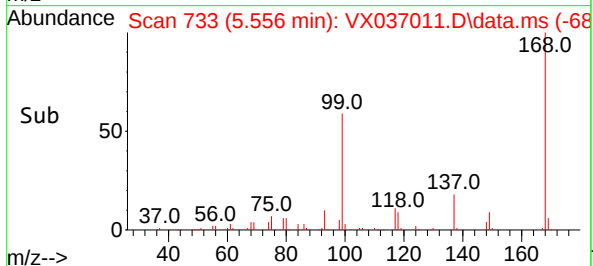


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20230815

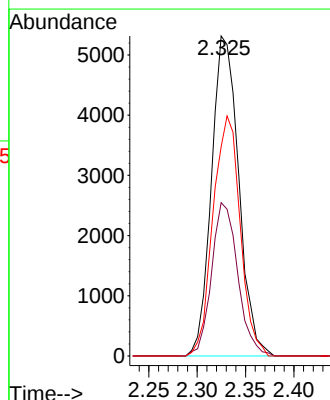
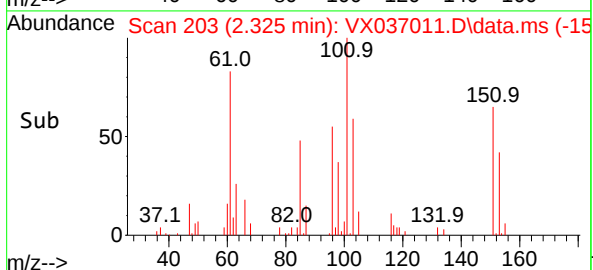
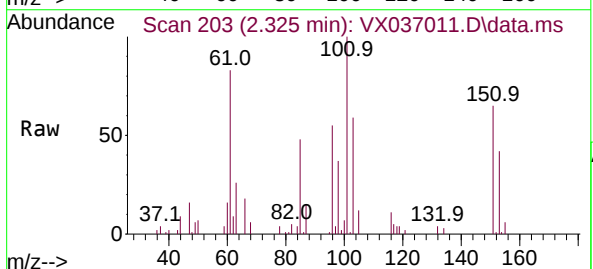


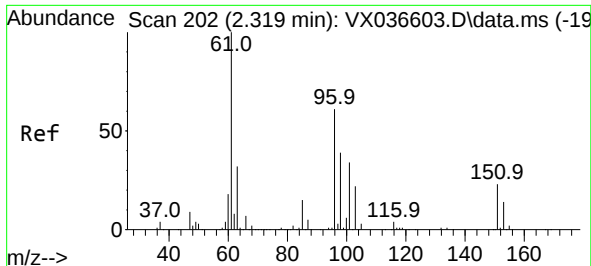
Tgt Ion:168 Resp: 128498
Ion Ratio Lower Upper
168 100
99 59.4 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.130 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

Tgt Ion:101 Resp: 10398
Ion Ratio Lower Upper
101 100
85 46.1 37.0 55.6
151 74.7 58.6 87.8





#12

1,1-Dichloroethene

Concen: 3.735 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX037011.D

Acq: 16 Aug 2023 12:36

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20230815

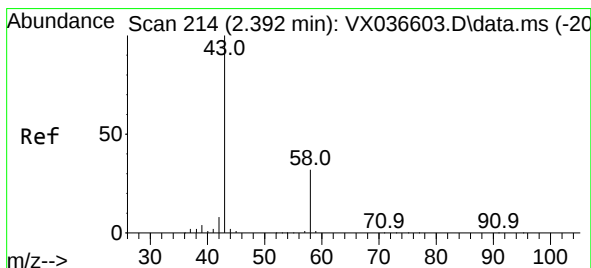
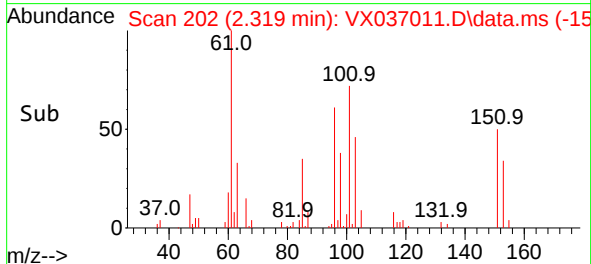
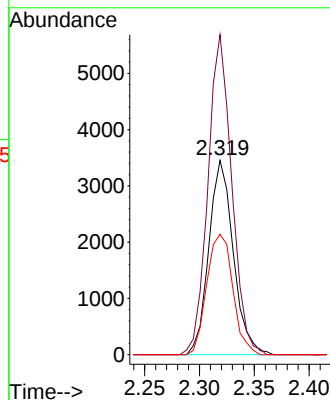
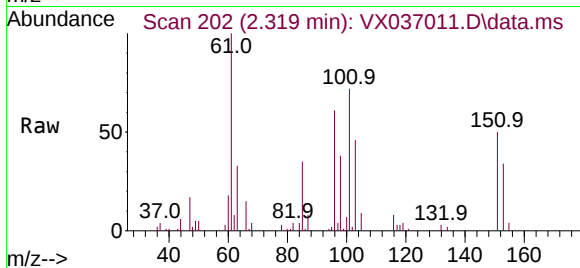
Tgt Ion: 96 Resp: 5374

Ion Ratio Lower Upper

96 100

61 164.7 144.6 216.8

98 62.0 50.4 75.6



#16

Acetone

Concen: 0.999 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX037011.D

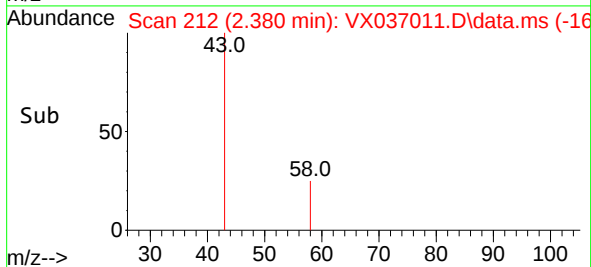
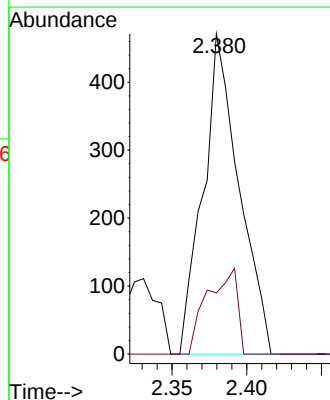
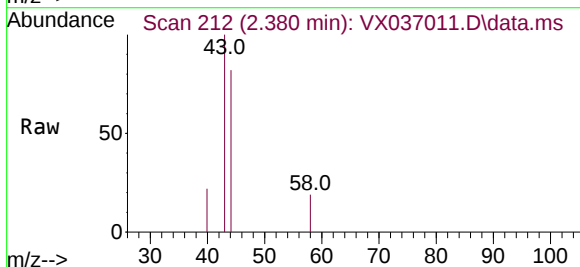
Acq: 16 Aug 2023 12:36

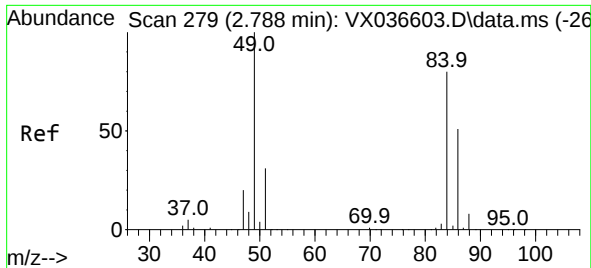
Tgt Ion: 43 Resp: 788

Ion Ratio Lower Upper

43 100

58 19.1 21.9 32.9#





#20

Methylene Chloride

Concen: 0.576 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX037011.D

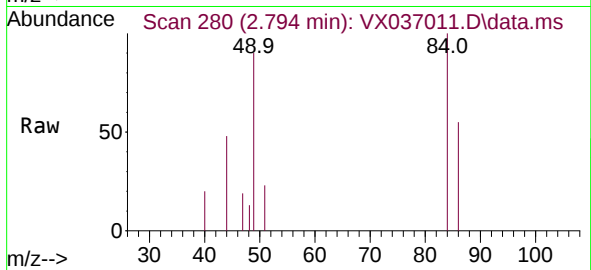
Acq: 16 Aug 2023 12:36

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20230815



Tgt Ion: 84 Resp: 1010

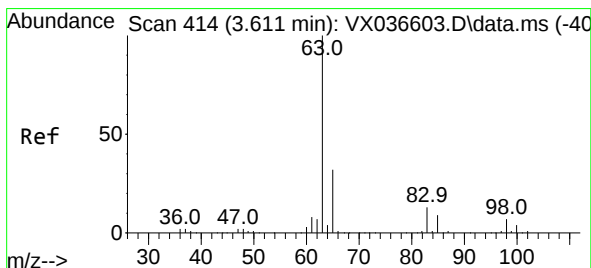
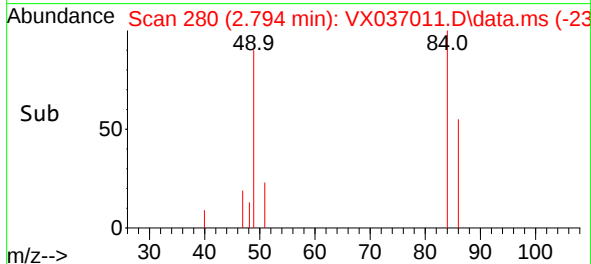
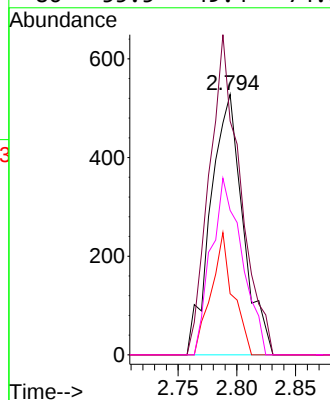
Ion Ratio Lower Upper

84 100

49 89.8 103.6 155.4#

51 23.5 33.8 50.6#

86 55.5 49.4 74.0



#24

1,1-Dichloroethane

Concen: 0.393 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX037011.D

Acq: 16 Aug 2023 12:36

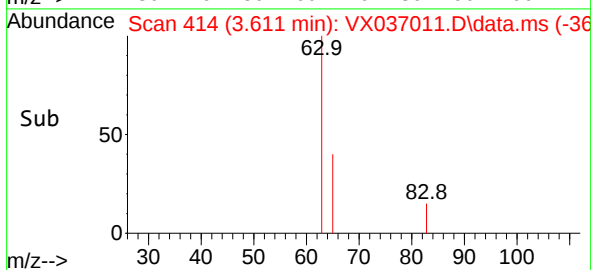
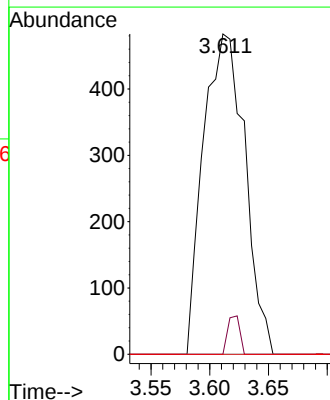
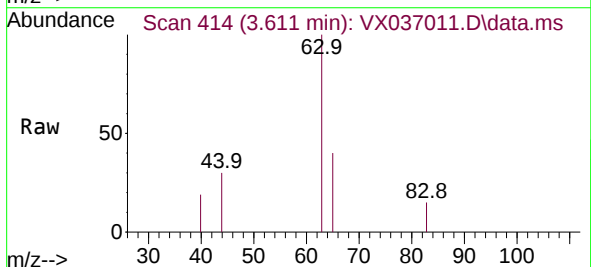
Tgt Ion: 63 Resp: 1184

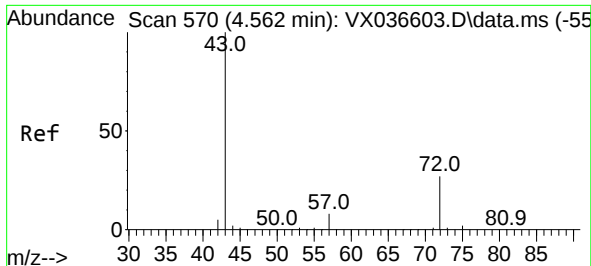
Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.1 6.5#

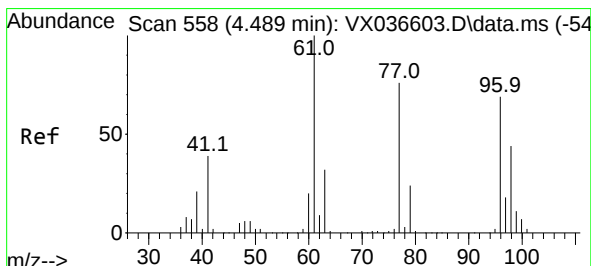
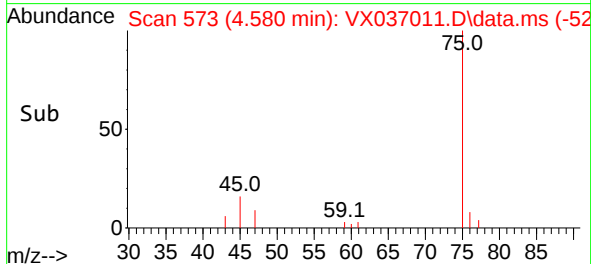
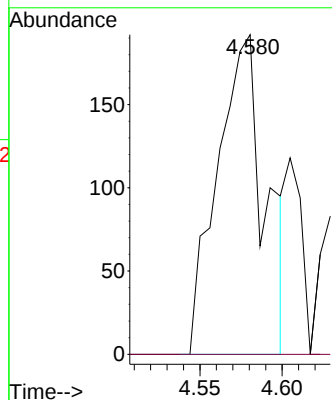
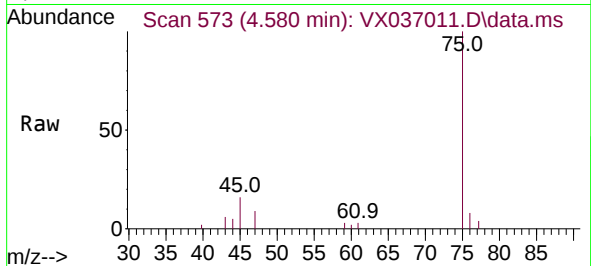




#25
2-Butanone
Concen: 0.302 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

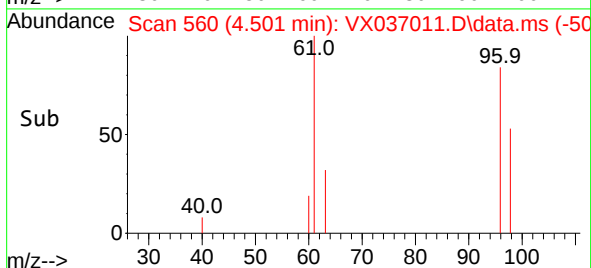
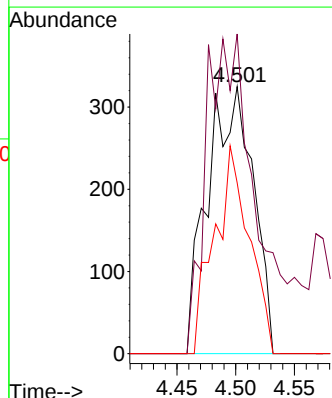
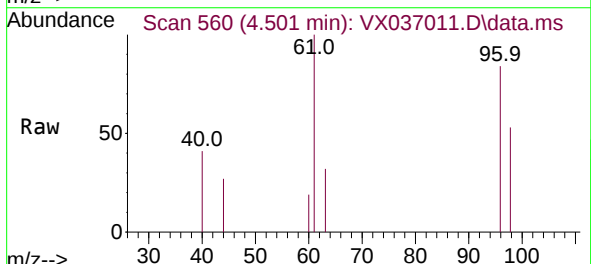
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20230815

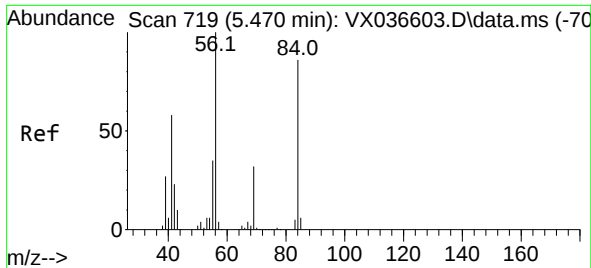
Tgt Ion: 43 Resp: 386
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 0.460 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

Tgt Ion: 96 Resp: 878
Ion Ratio Lower Upper
96 100
61 133.3 0.0 312.2
98 59.5 0.0 129.0

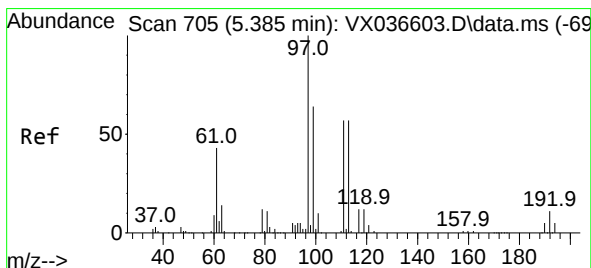
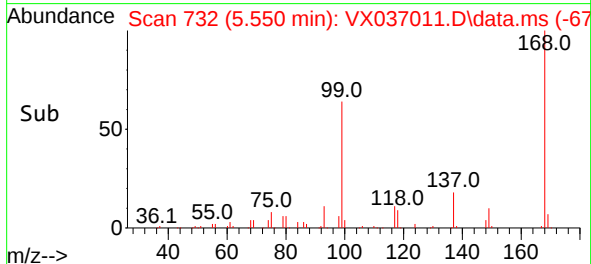
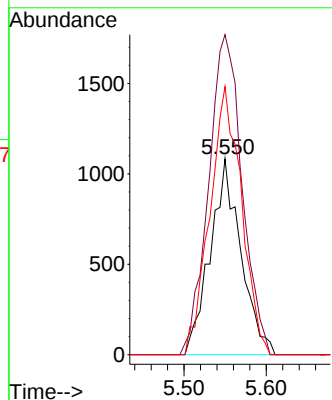
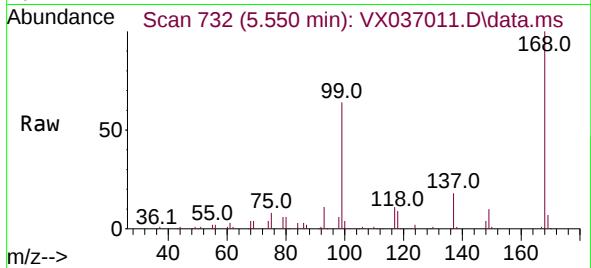




#31
Cyclohexane
Concen: 1.066 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

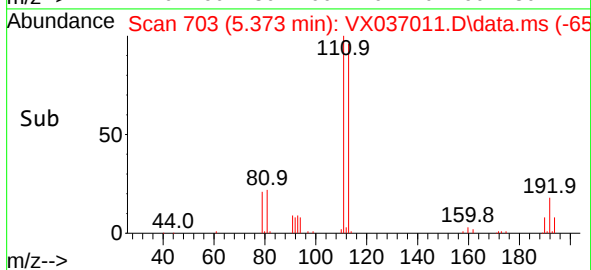
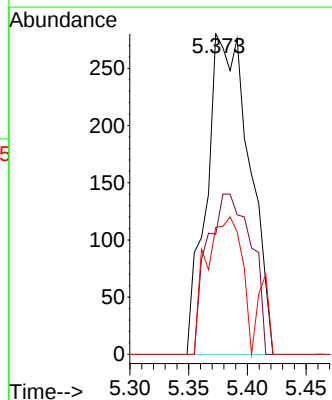
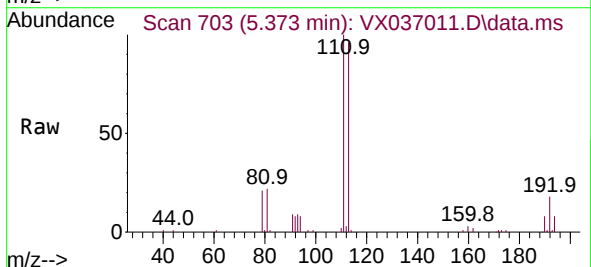
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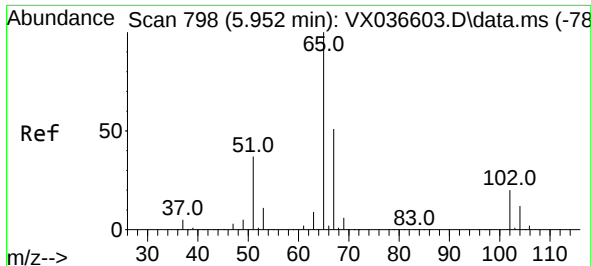
Tgt Ion: 56 Resp: 2807
Ion Ratio Lower Upper
56 100
69 163.3 23.4 35.2#
84 136.8 65.9 98.9#



#32
1,1,1-Trichloroethane
Concen: 0.251 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.012 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

Tgt Ion: 97 Resp: 711
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 35.6 36.4 54.6#

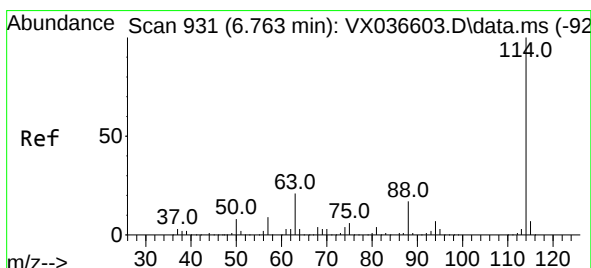
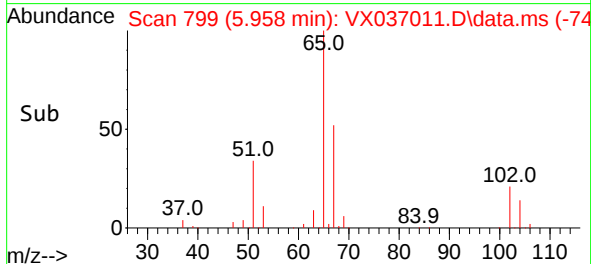
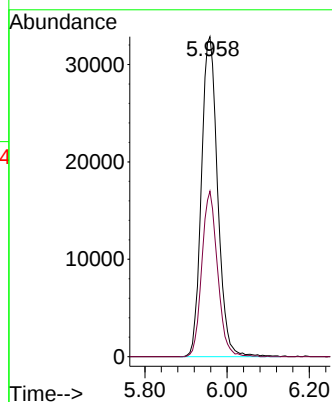
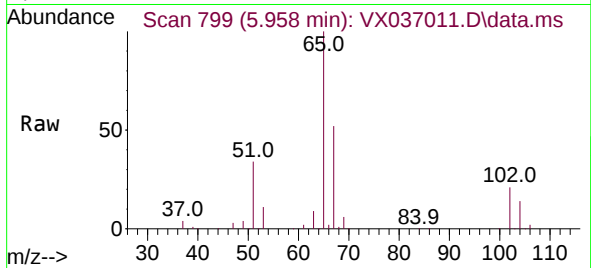




#33
 1,2-Dichloroethane-d4
 Concen: 47.368 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX037011.D
 Acq: 16 Aug 2023 12:36

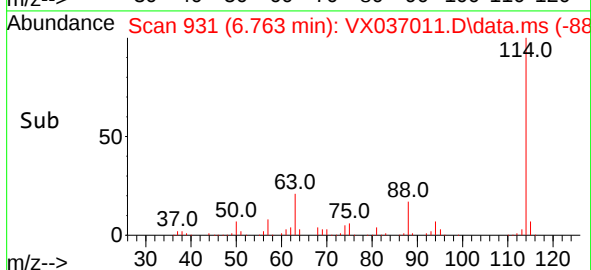
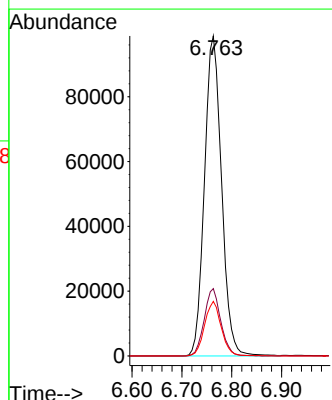
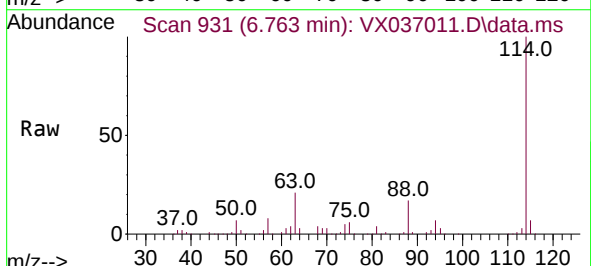
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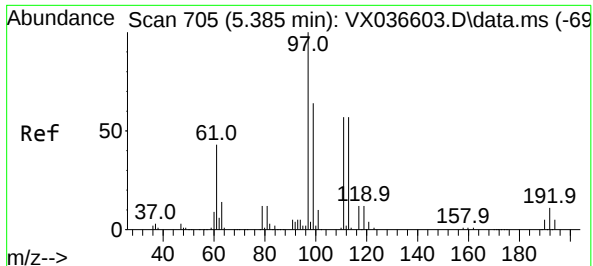
Tgt Ion: 65 Resp: 90062
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX037011.D
 Acq: 16 Aug 2023 12:36

Tgt Ion: 114 Resp: 235317
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.0
 88 17.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.965 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX037011.D

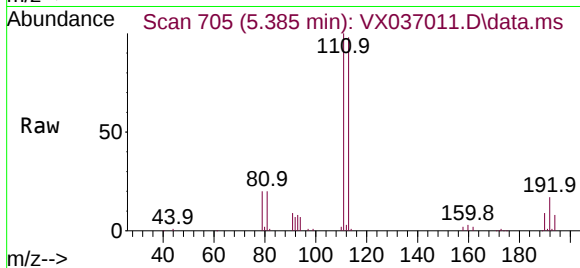
Acq: 16 Aug 2023 12:36

Instrument :

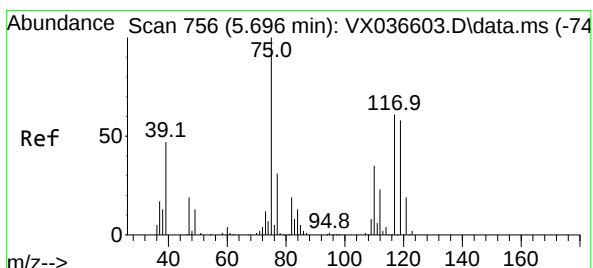
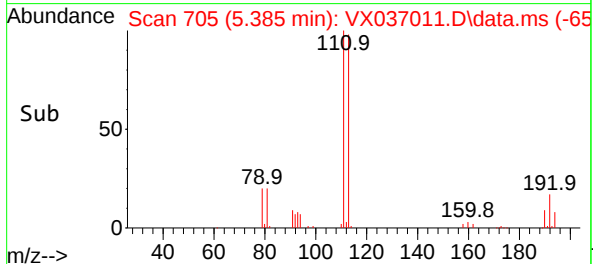
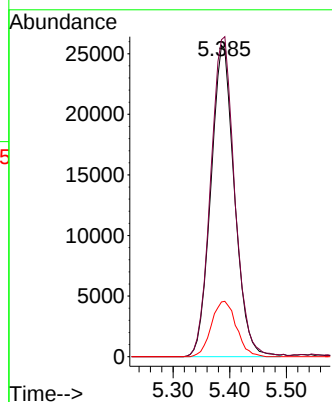
MSVOA_X

ClientSampleId :

RE115D2-20230815



Tgt Ion:	113	Resp:	74345
Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.9	124.3
192	18.8	13.3	19.9



#36

1,1-Dichloropropene

Concen: 4.398 ug/l

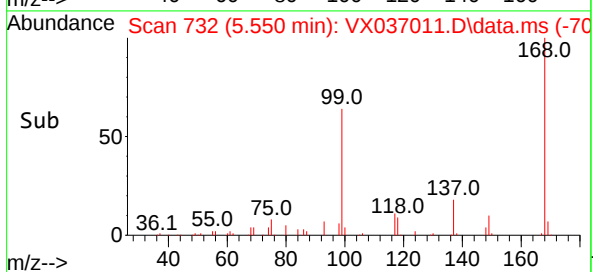
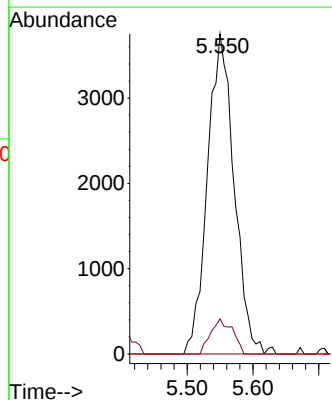
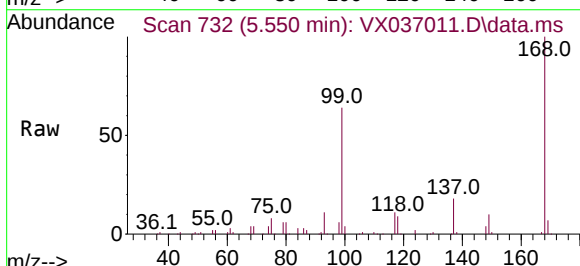
RT: 5.550 min Scan# 732

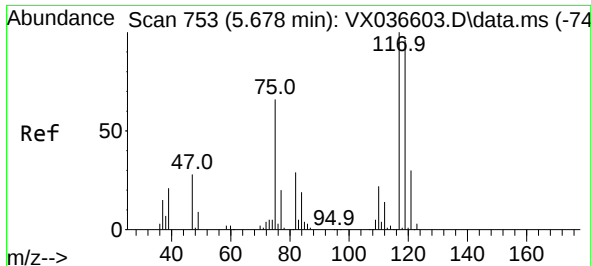
Delta R.T. -0.146 min

Lab File: VX037011.D

Acq: 16 Aug 2023 12:36

Tgt Ion:	75	Resp:	10603
Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.0	50.9#
77	0.0	24.7	37.1#

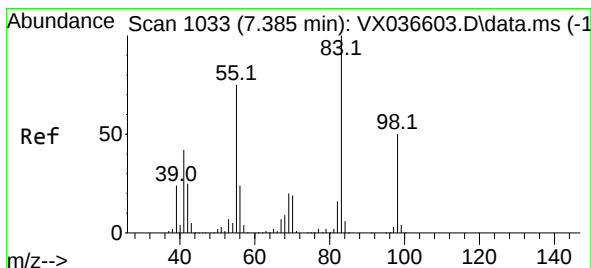
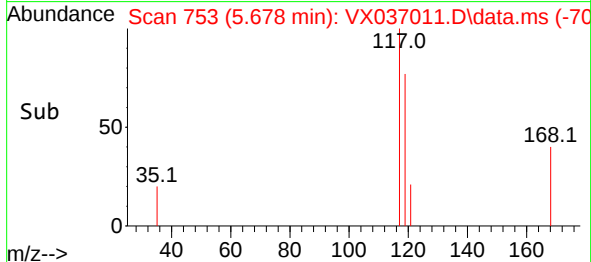
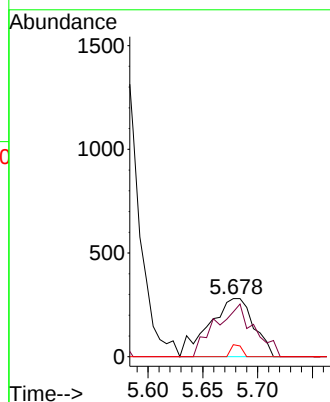
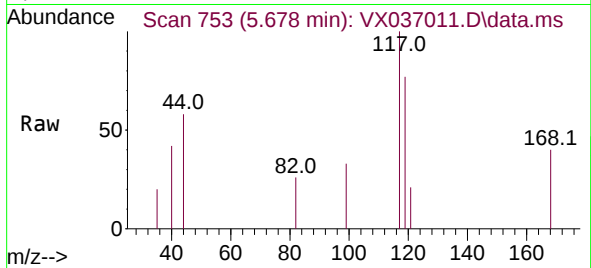




#38
Carbon Tetrachloride
Concen: 0.311 ug/l
RT: 5.678 min Scan# 711
Delta R.T. 0.000 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

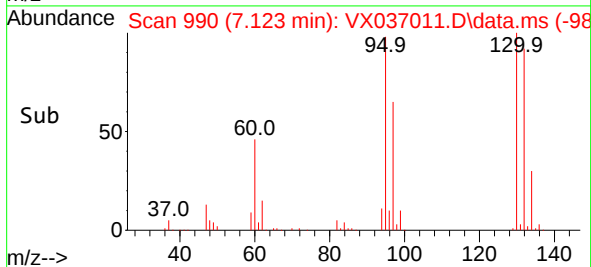
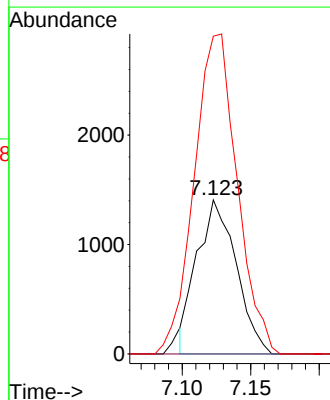
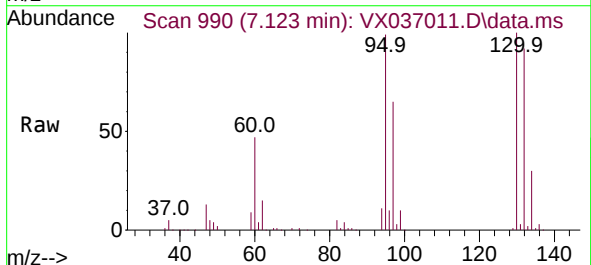
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20230815

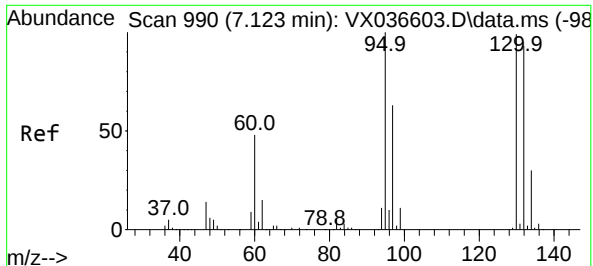
Tgt Ion:117 Resp: 796
Ion Ratio Lower Upper
117 100
119 77.1 78.2 117.2#
121 20.7 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.935 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

Tgt Ion: 83 Resp: 2803
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 206.2 36.7 55.1#

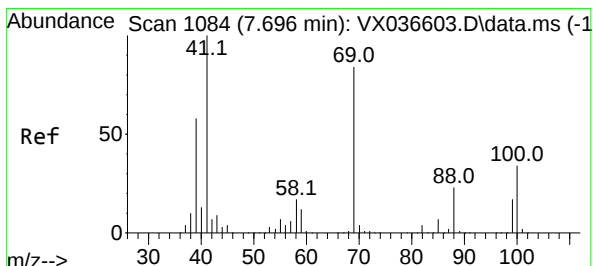
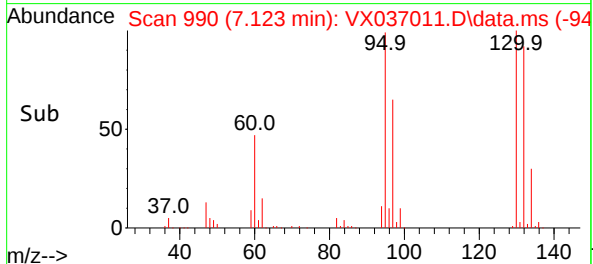
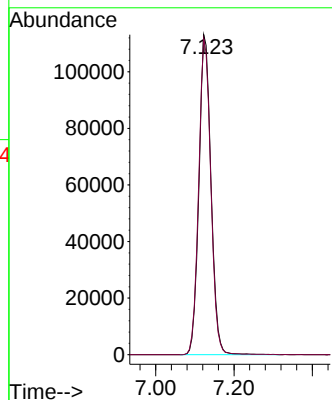
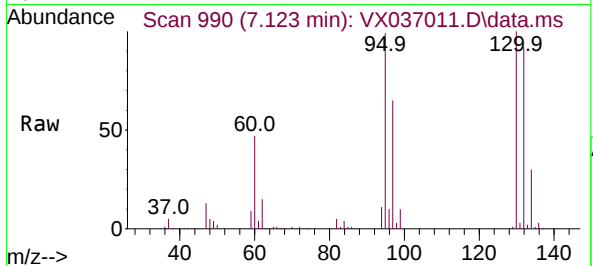




#44
Trichloroethene
Concen: 132.481 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

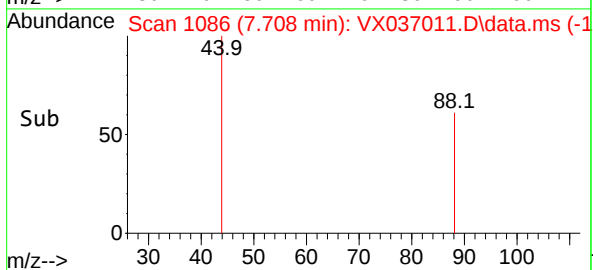
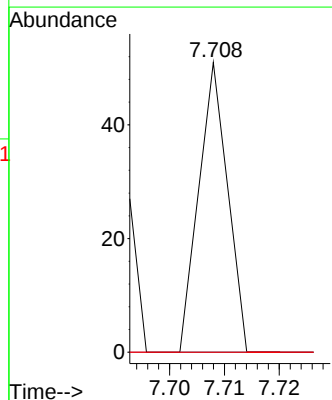
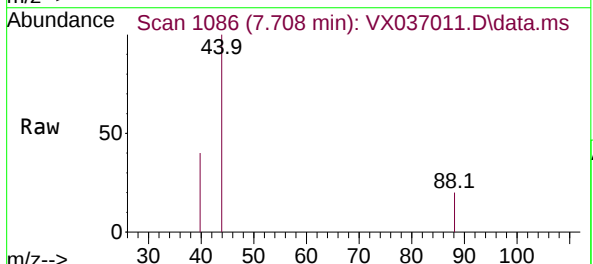
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20230815

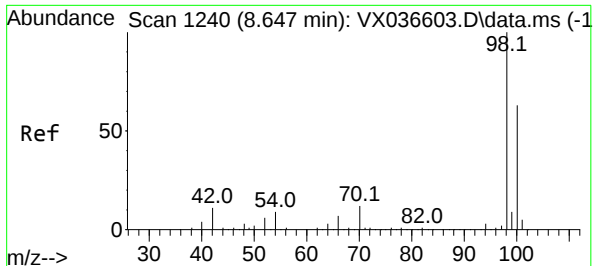
Tgt Ion:130 Resp: 242890
Ion Ratio Lower Upper
130 100
95 98.7 0.0 204.4



#49
1,4-Dioxane
Concen: 0.431 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.012 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

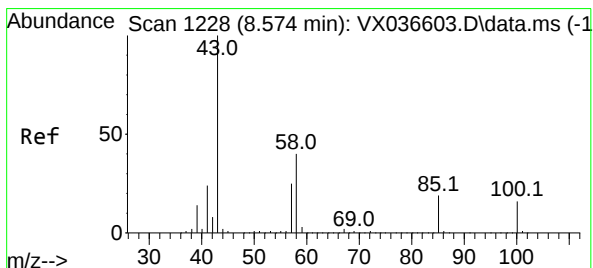
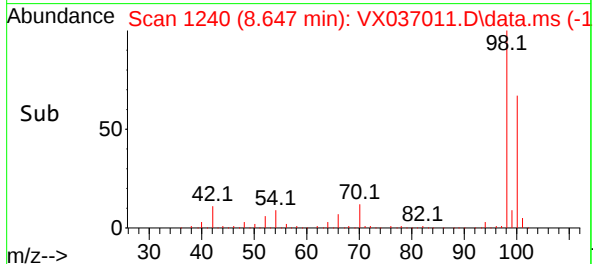
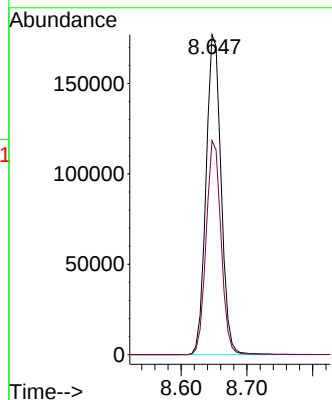
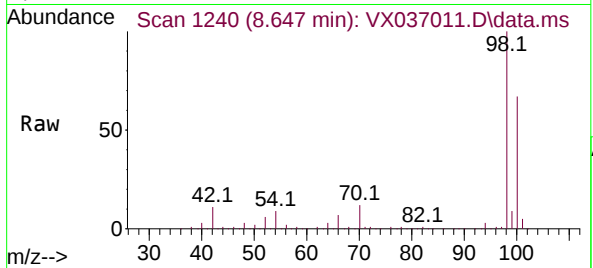




#50
Toluene-d8
Concen: 49.040 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

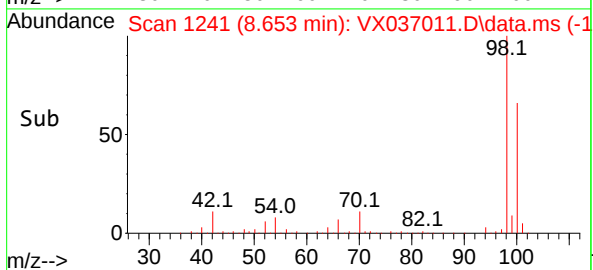
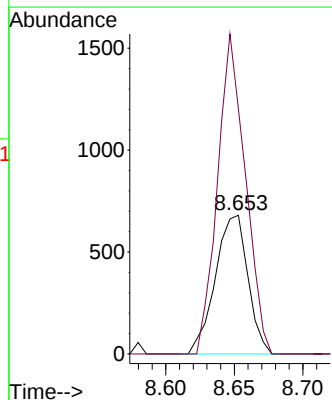
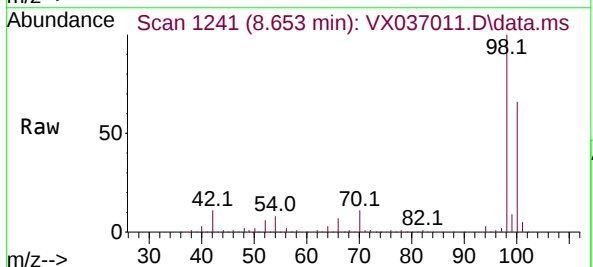
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20230815

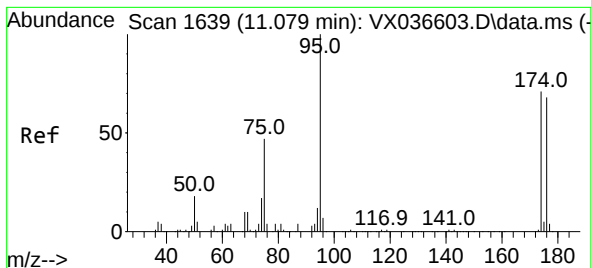
Tgt Ion: 98 Resp: 281284
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.433 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

Tgt Ion: 43 Resp: 1126
Ion Ratio Lower Upper
43 100
58 196.9 30.4 45.6#

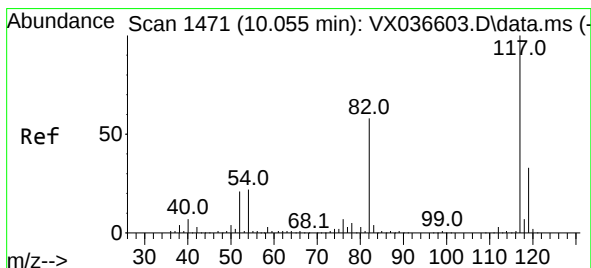
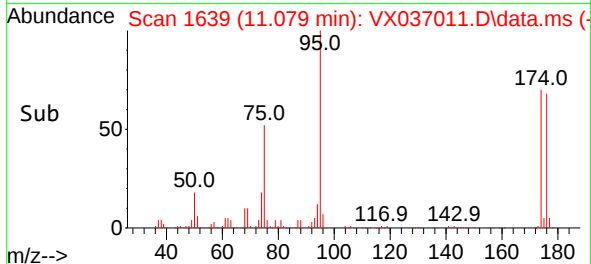
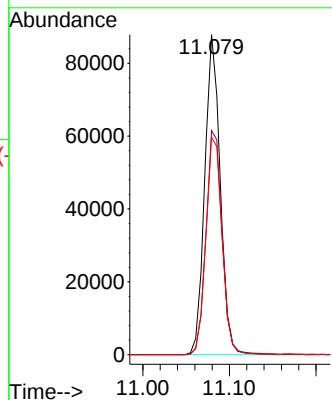
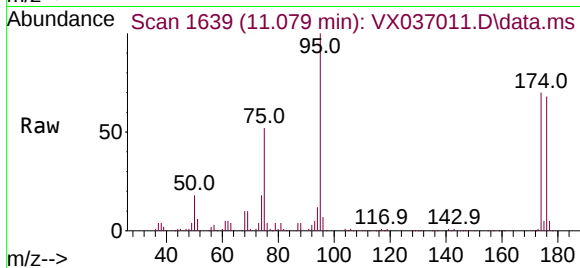




#62
4-Bromofluorobenzene
Concen: 50.325 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

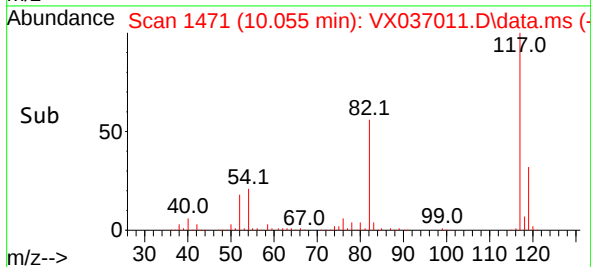
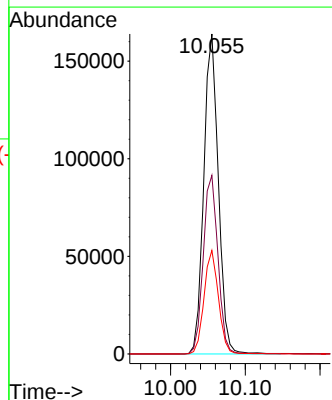
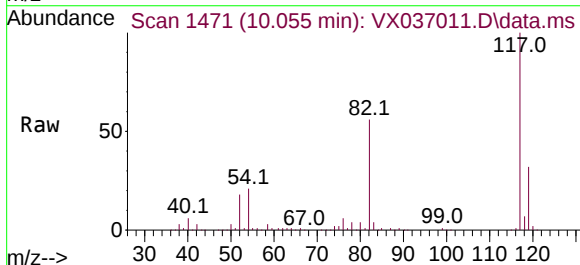
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20230815

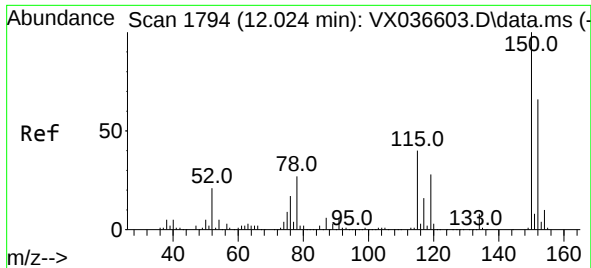
Tgt Ion: 95 Resp: 108905
Ion Ratio Lower Upper
95 100
174 72.7 0.0 135.6
176 71.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

Tgt Ion: 117 Resp: 221803
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 32.4 25.5 38.3

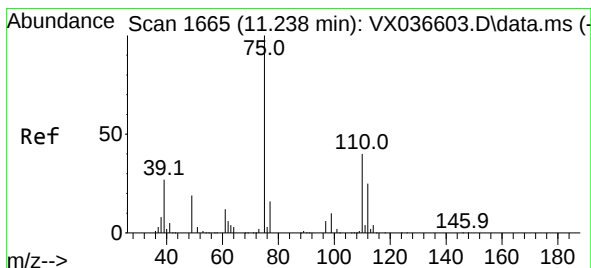
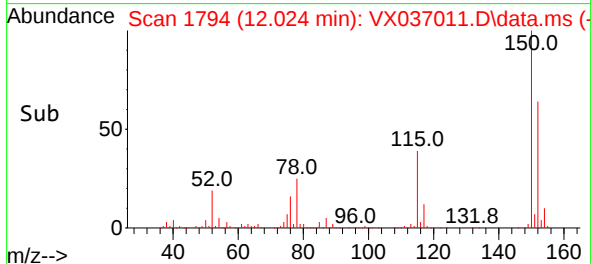
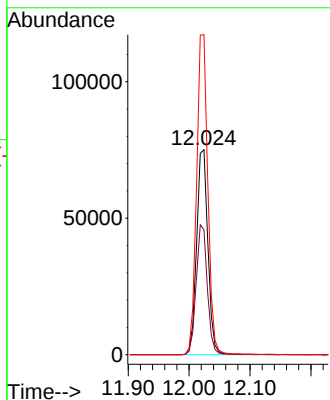
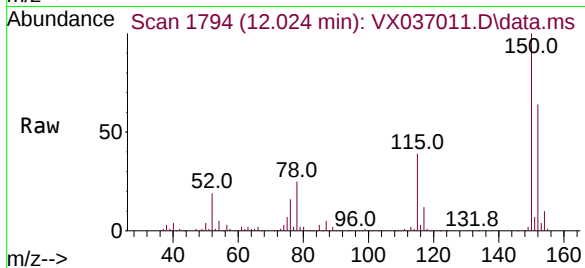




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037011.D
 Acq: 16 Aug 2023 12:36

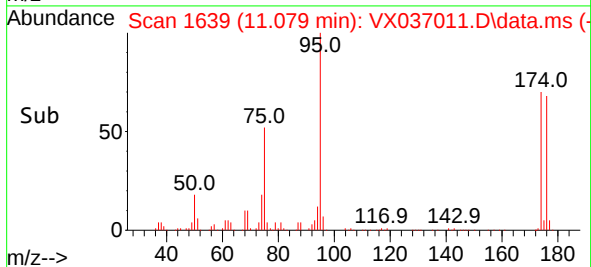
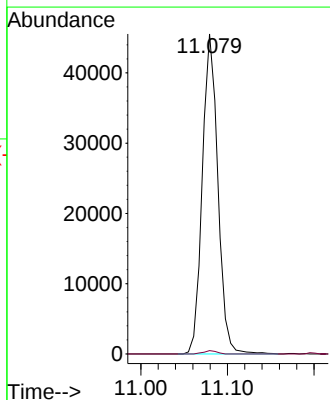
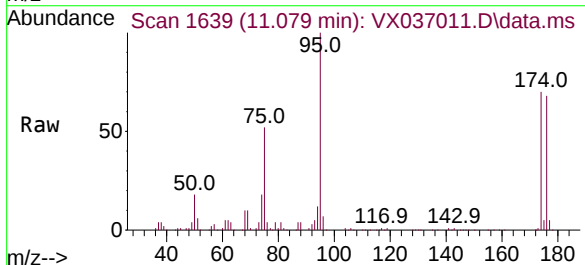
Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20230815

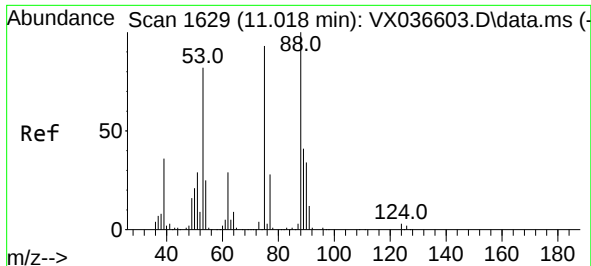
Tgt Ion:152 Resp: 96491
 Ion Ratio Lower Upper
 152 100
 115 62.6 43.3 129.9
 150 155.9 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.038 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX037011.D
 Acq: 16 Aug 2023 12:36

Tgt Ion: 75 Resp: 56826
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#

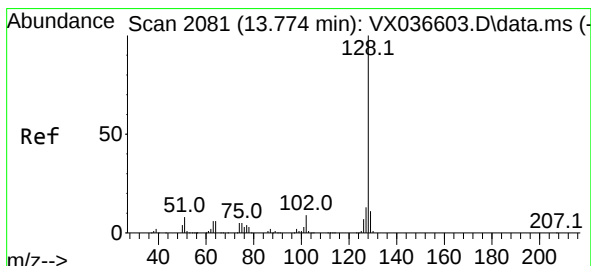
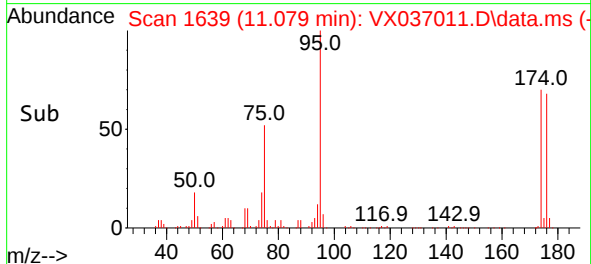
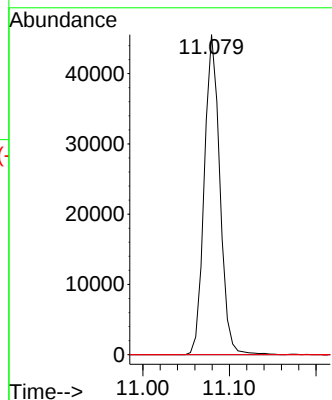
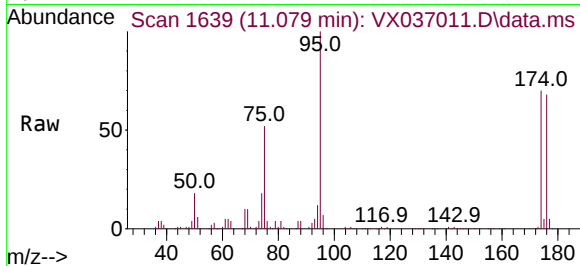




#81
trans-1,4-Dichloro-2-butene
Concen: 56.751 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20230815

Tgt Ion: 75 Resp: 56826
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.295 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037011.D
Acq: 16 Aug 2023 12:36

Tgt Ion: 128 Resp: 2059
Ion Ratio Lower Upper
128 100
127 7.3 10.3 15.5#
129 7.6 8.8 13.2#

