

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037027.D
 Acq On : 16 Aug 2023 19:00
 Operator : JC/MD
 Sample : 04024-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20230815

Quant Time: Aug 17 04:19:02 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)

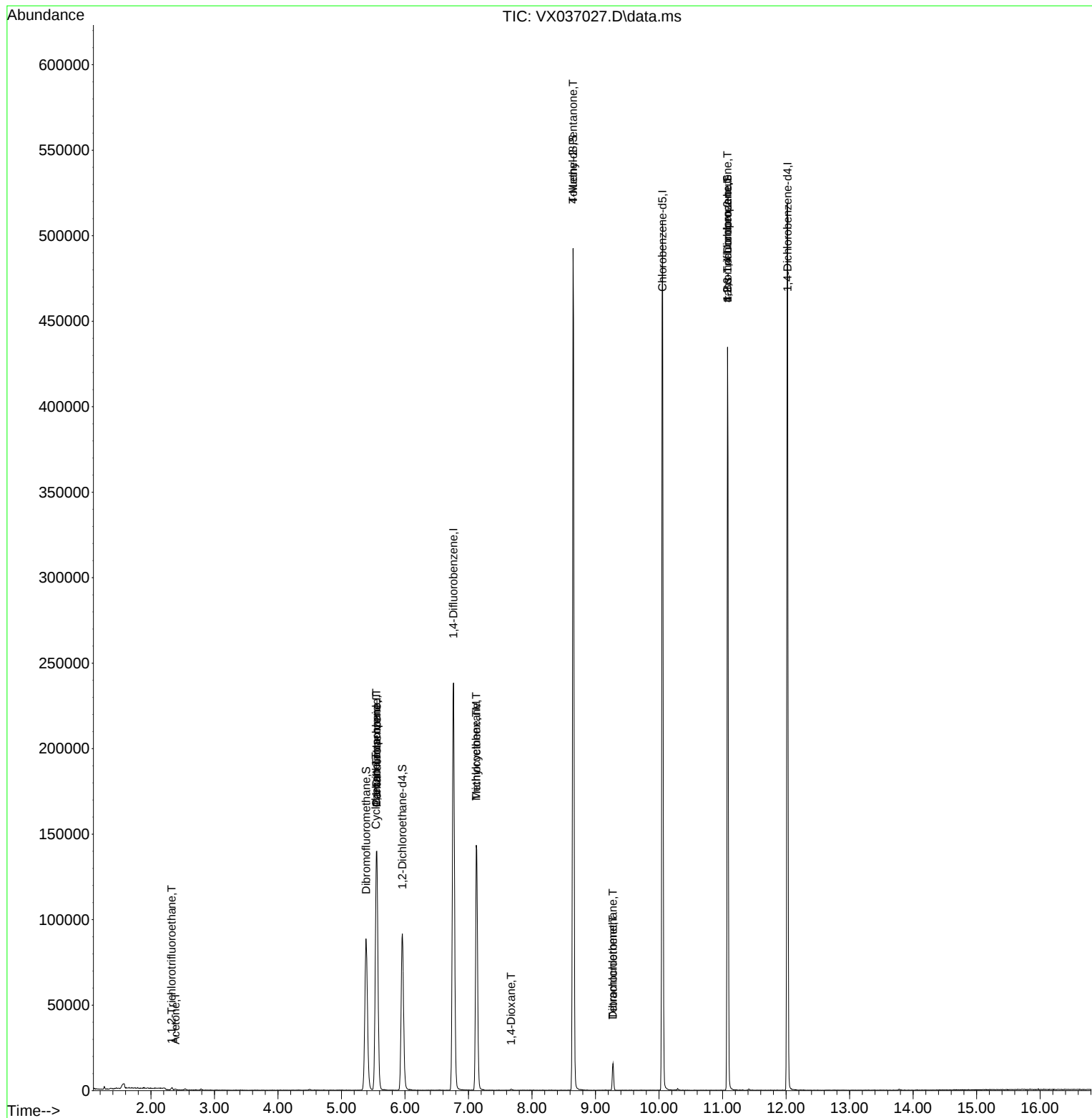
Internal Standards						
1) Pentafluorobenzene	5.556	168	131814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	243987	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93192	47.781	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.560%
35) Dibromofluoromethane	5.385	113	77848	46.420	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.840%
50) Toluene-d8	8.647	98	289962	48.757	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.520%
62) 4-Bromofluorobenzene	11.079	95	117400	52.323	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.640%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	625	0.418	ug/l	98
16) Acetone	2.386	43	703	0.869	ug/l #	80
31) Cyclohexane	5.544	56	2756	1.021	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10691	4.277	ug/l #	51
38) Carbon Tetrachloride	5.550	117	14461	5.442	ug/l #	15
39) Methylcyclohexane	7.123	83	641	0.206	ug/l #	1
44) Trichloroethene	7.123	130	55854	29.382	ug/l	99
49) 1,4-Dioxane	7.671	88	523	11.431	ug/l #	88
51) 4-Methyl-2-Pentanone	8.647	43	1222	0.453	ug/l #	1
60) Dibromochloromethane	9.275	129	2989	1.420	ug/l #	11
64) Tetrachloroethene	9.275	164	3073	1.764	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	60652	23.730	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	60652	53.786	ug/l #	5

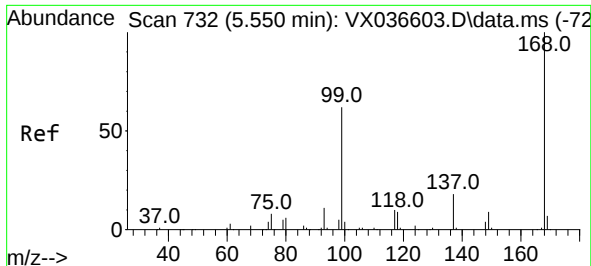
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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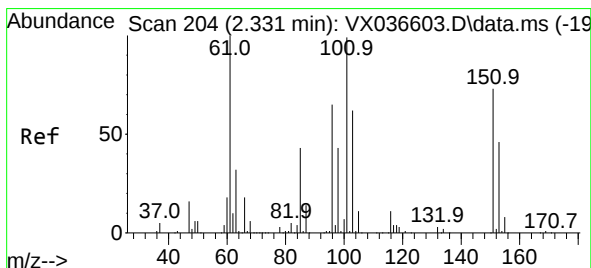
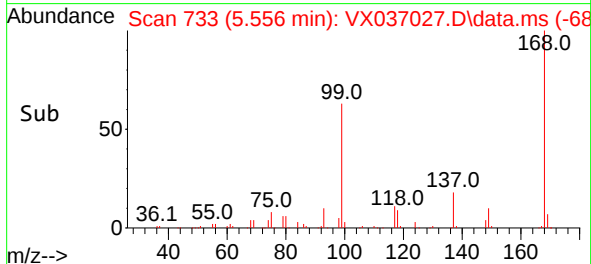
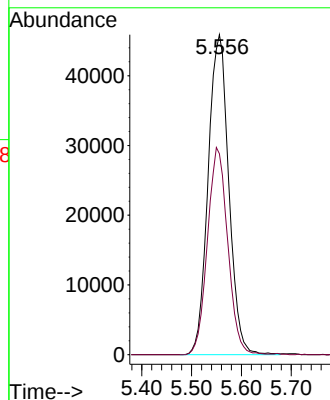
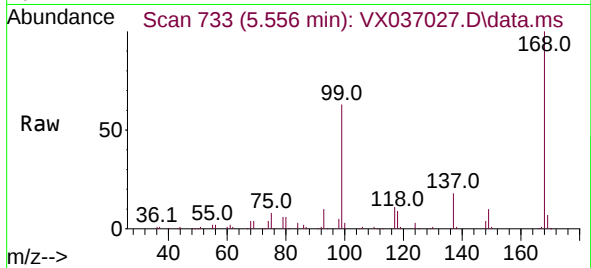




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037027.D
Acq: 16 Aug 2023 19:00

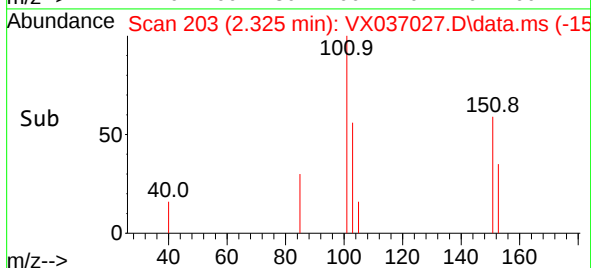
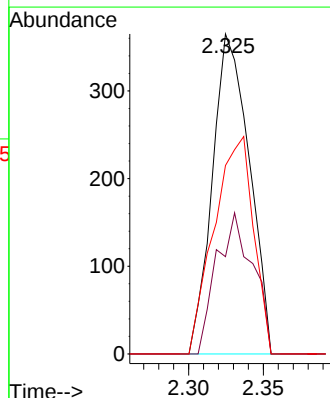
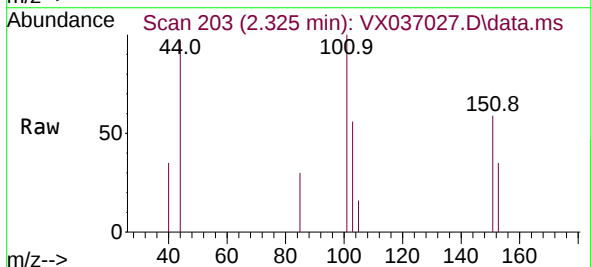
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20230815

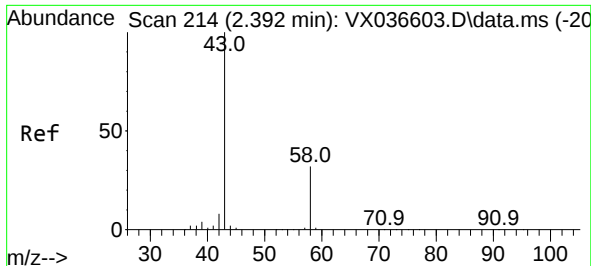
Tgt Ion:168 Resp: 131814
Ion Ratio Lower Upper
168 100
99 62.8 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.418 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX037027.D
Acq: 16 Aug 2023 19:00

Tgt Ion:101 Resp: 625
Ion Ratio Lower Upper
101 100
85 43.2 37.0 55.6
151 72.6 58.6 87.8





#16

Acetone

Concen: 0.869 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX037027.D

Acq: 16 Aug 2023 19:00

Instrument :

MSVOA_X

ClientSampleId :

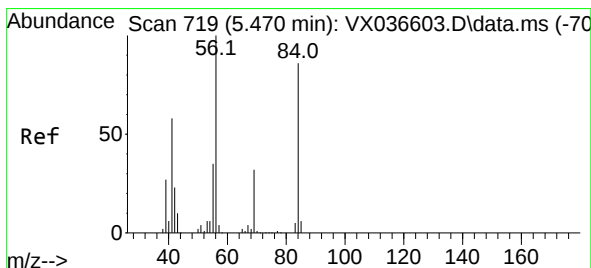
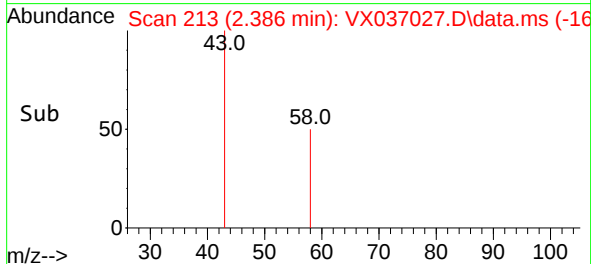
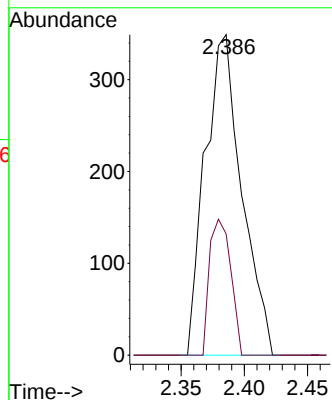
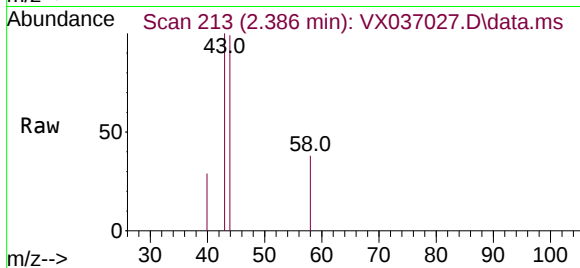
RE108D1-20230815

Tgt Ion: 43 Resp: 703

Ion Ratio Lower Upper

43 100

58 37.8 21.9 32.9#



#31

Cyclohexane

Concen: 1.021 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX037027.D

Acq: 16 Aug 2023 19:00

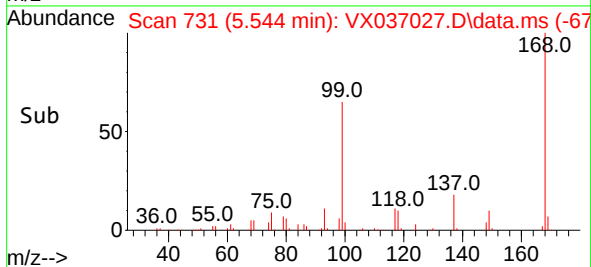
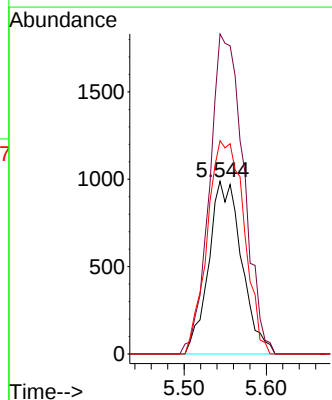
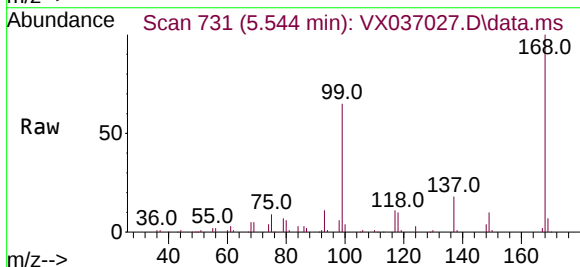
Tgt Ion: 56 Resp: 2756

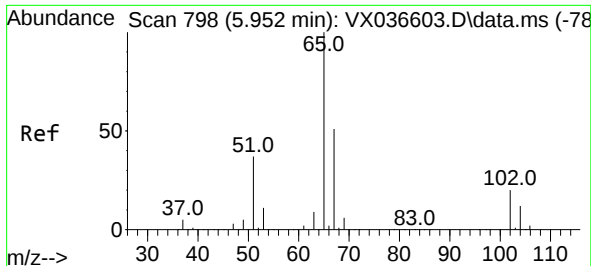
Ion Ratio Lower Upper

56 100

69 185.4 23.4 35.2#

84 123.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.781 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX037027.D

Acq: 16 Aug 2023 19:00

Instrument :

MSVOA_X

ClientSampleId :

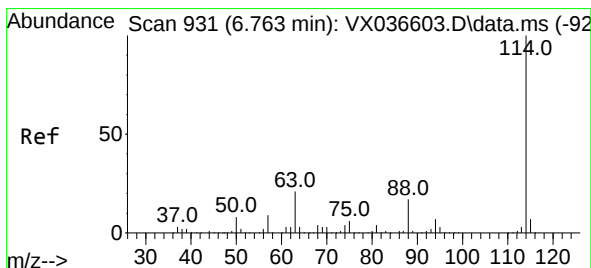
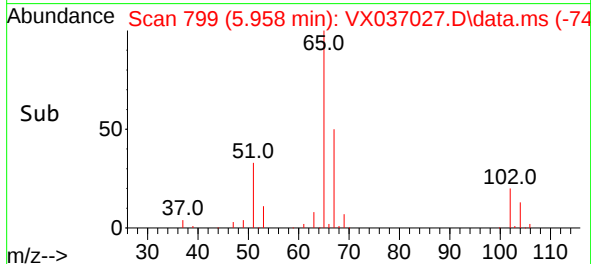
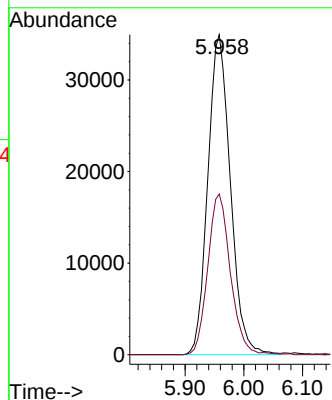
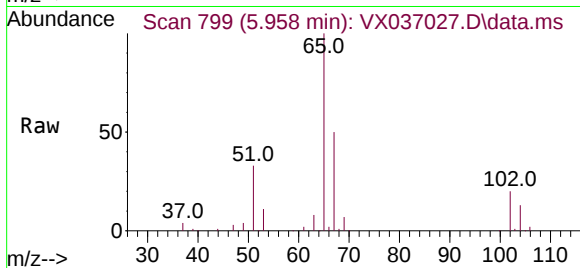
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Tgt Ion: 65 Resp: 93192

Ion Ratio Lower Upper

65 100

67 50.4 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: VX037027.D

Acq: 16 Aug 2023 19:00

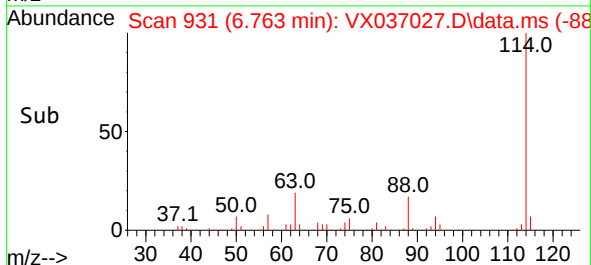
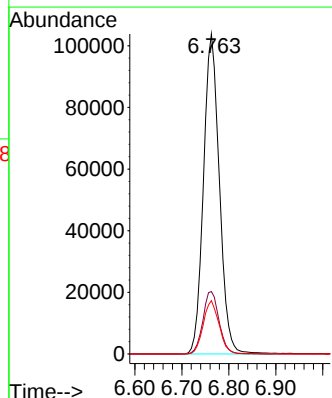
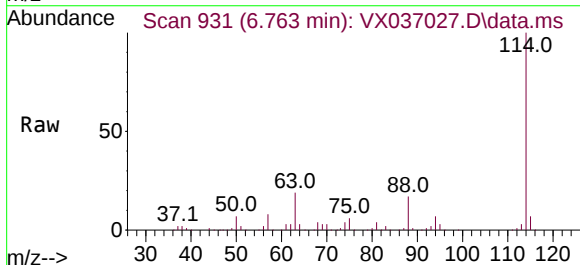
Tgt Ion: 114 Resp: 243987

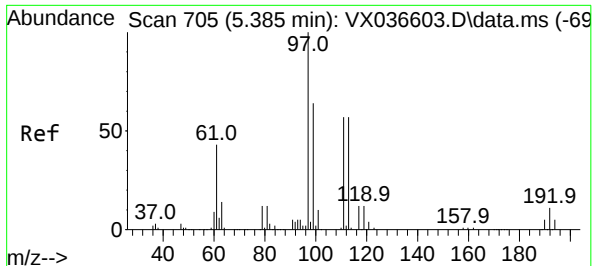
Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.0

88 16.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.420 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037027.D

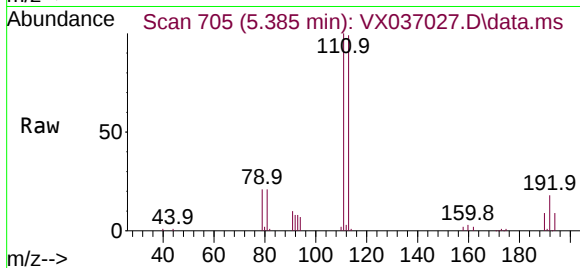
Acq: 16 Aug 2023 19:00

Instrument :

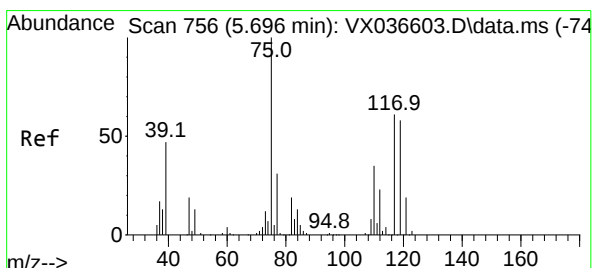
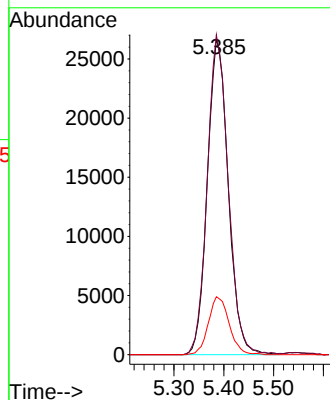
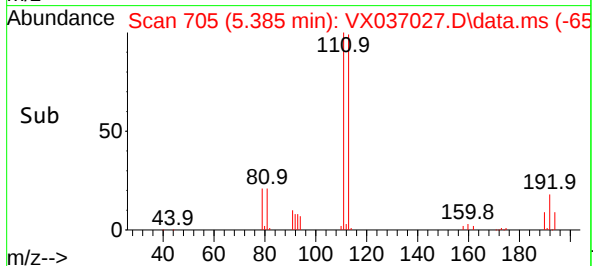
MSVOA_X

ClientSampleId :

RE108D1-20230815



Tgt Ion:	113	Resp:	77848
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.9	124.3
192	18.2	13.3	19.9



#36

1,1-Dichloropropene

Concen: 4.277 ug/l

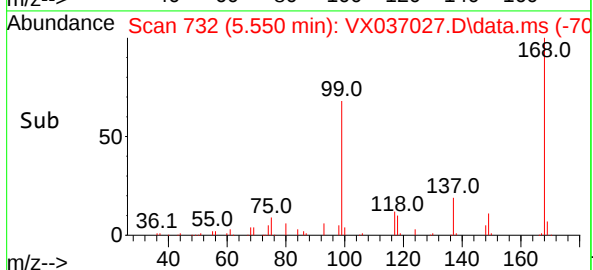
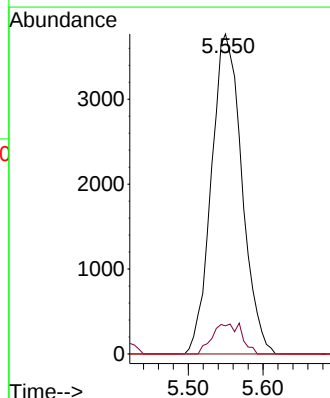
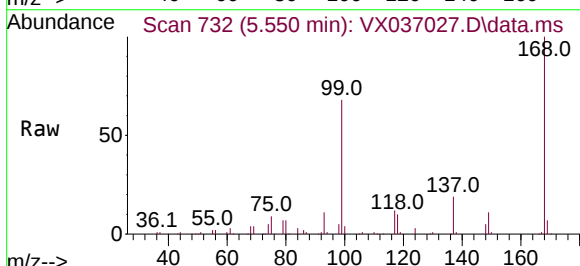
RT: 5.550 min Scan# 732

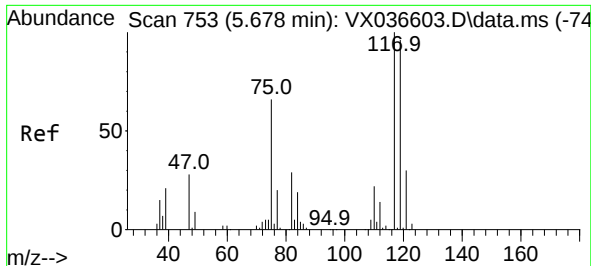
Delta R.T. -0.146 min

Lab File: VX037027.D

Acq: 16 Aug 2023 19:00

Tgt Ion:	75	Resp:	10691
Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.0	50.9#
77	0.0	24.7	37.1#

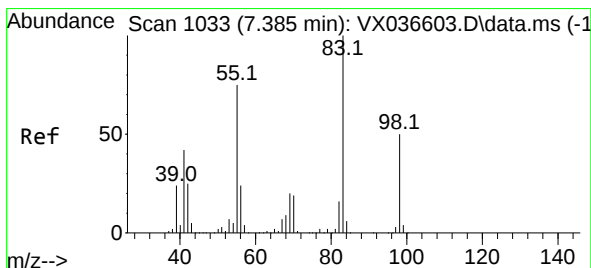
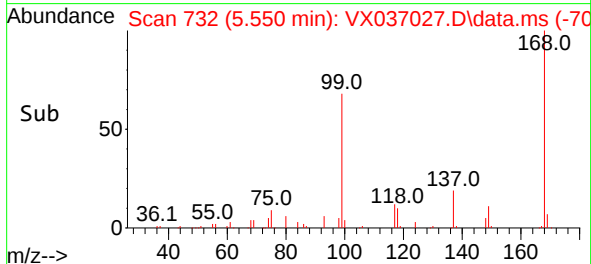
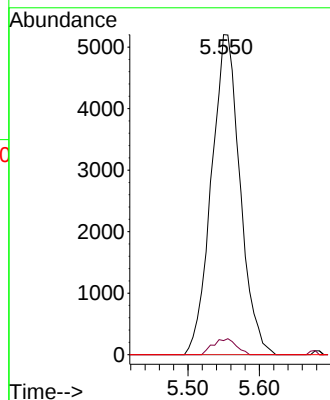
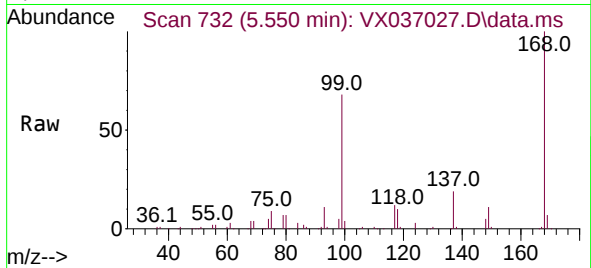




#38
Carbon Tetrachloride
Concen: 5.442 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037027.D
Acq: 16 Aug 2023 19:00

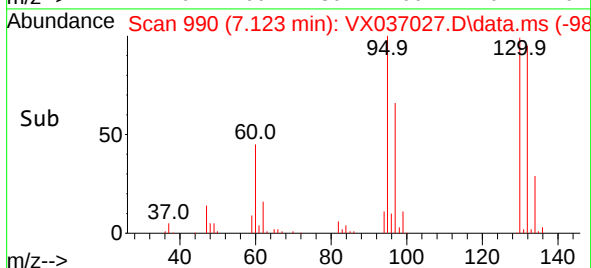
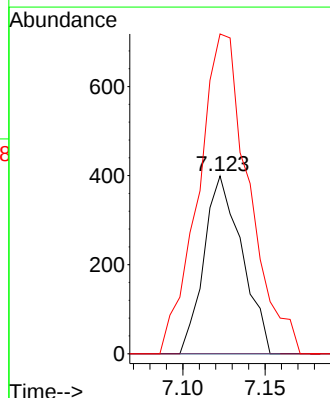
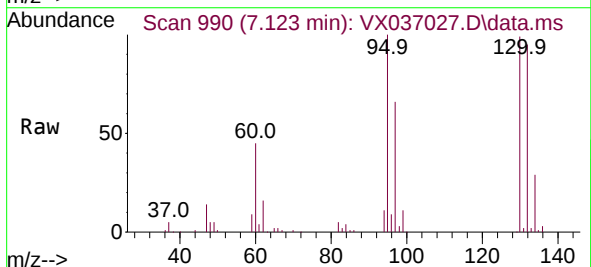
Instrument :
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ClientSampleId :
RE108D1-20230815

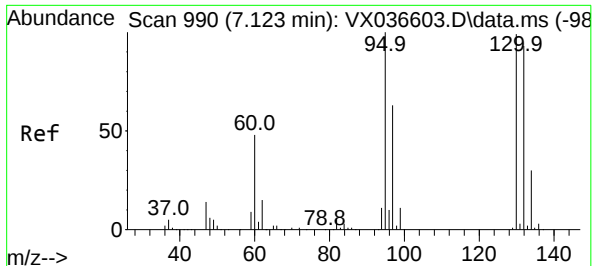
Tgt Ion:117 Resp: 14461
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.206 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX037027.D
Acq: 16 Aug 2023 19:00

Tgt Ion: 83 Resp: 641
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 159.9 36.7 55.1#

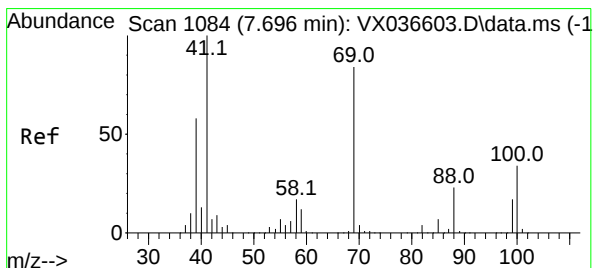
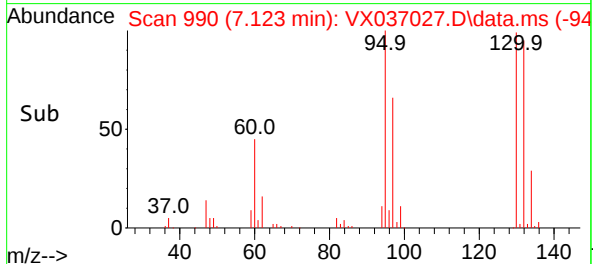
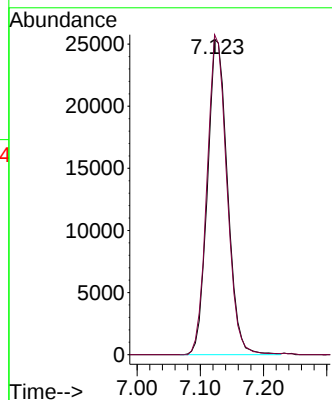
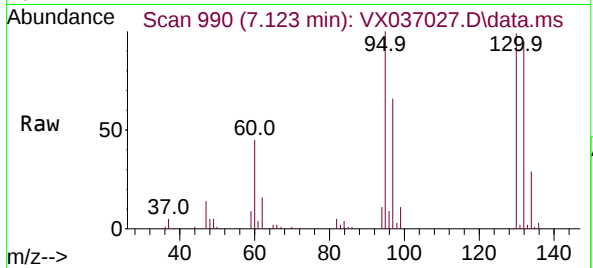




#44
Trichloroethene
Concen: 29.382 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037027.D
Acq: 16 Aug 2023 19:00

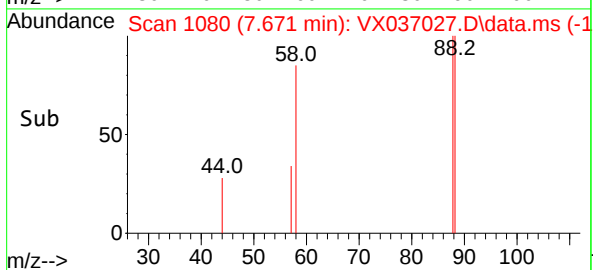
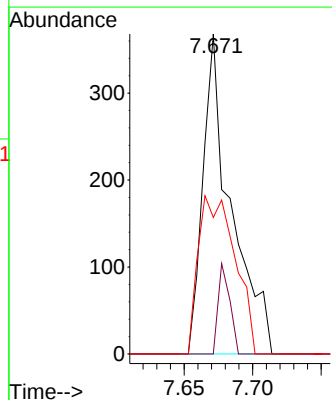
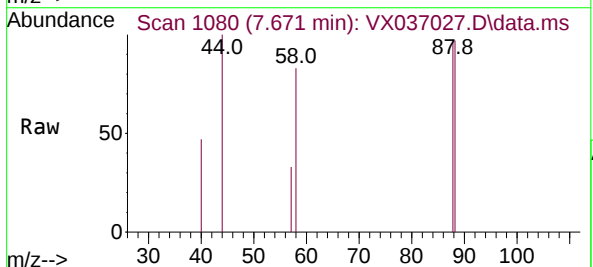
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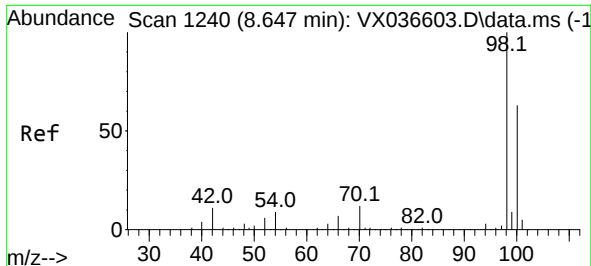
Tgt Ion:130 Resp: 55854
Ion Ratio Lower Upper
130 100
95 101.5 0.0 204.4



#49
1,4-Dioxane
Concen: 11.431 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.024 min
Lab File: VX037027.D
Acq: 16 Aug 2023 19:00

Tgt Ion: 88 Resp: 523
Ion Ratio Lower Upper
88 100
43 11.5 0.0 0.0#
58 64.8 60.1 90.1

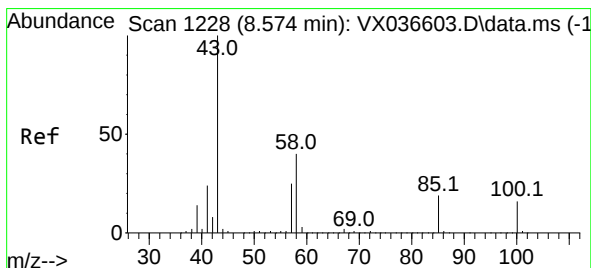
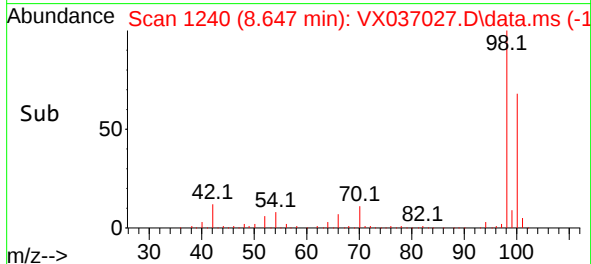
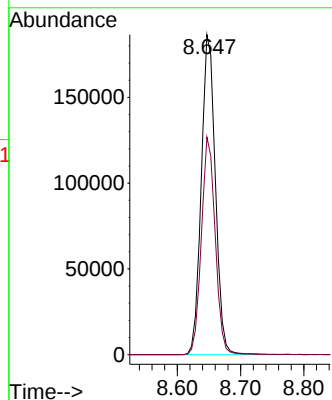
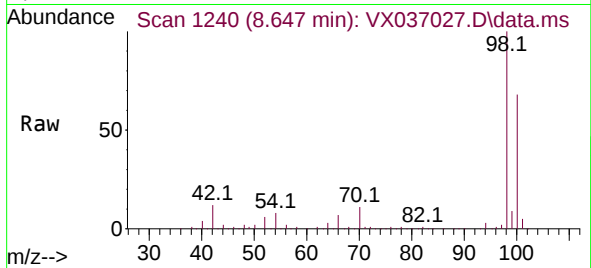




#50
Toluene-d8
Concen: 48.757 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037027.D
Acq: 16 Aug 2023 19:00

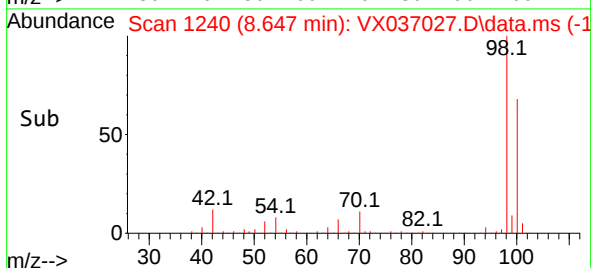
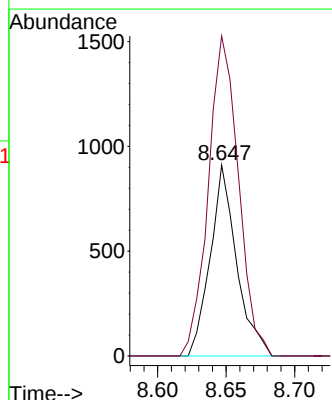
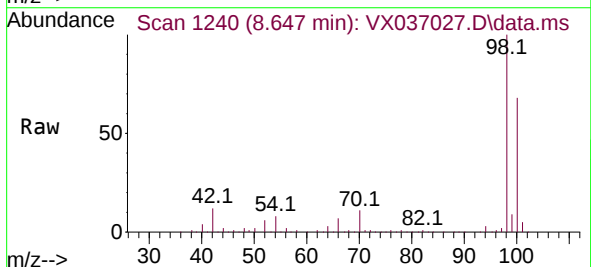
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20230815

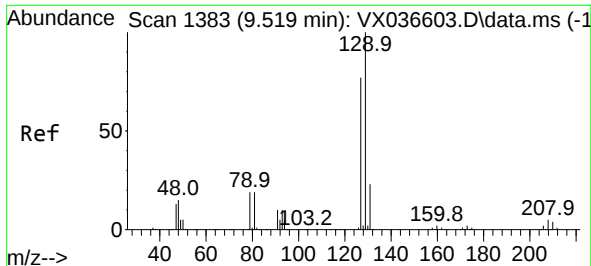
Tgt Ion: 98 Resp: 289962
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.453 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037027.D
Acq: 16 Aug 2023 19:00

Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
58 191.1 30.4 45.6#

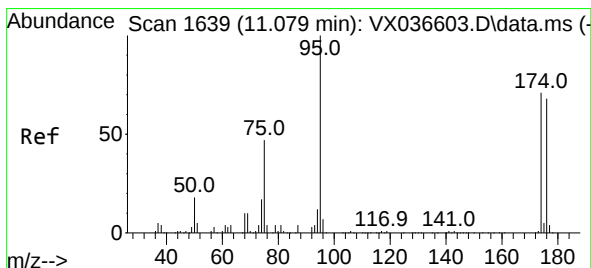
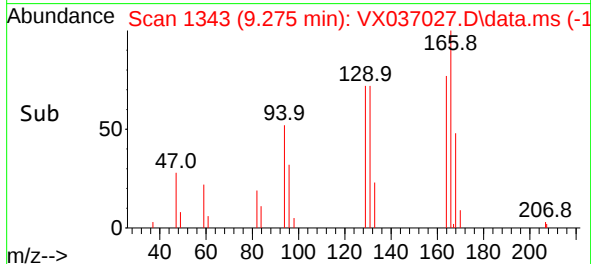
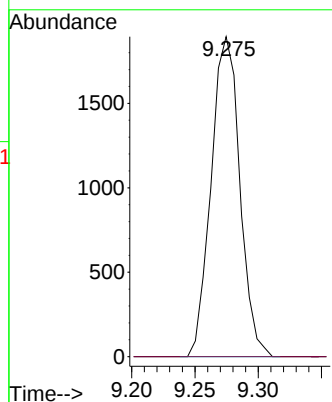
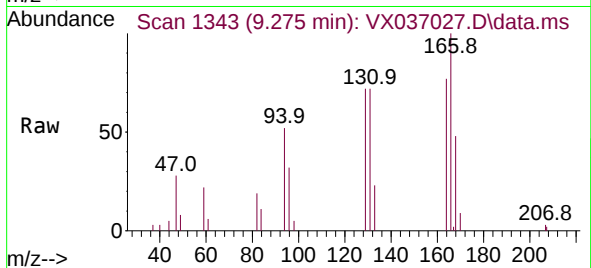




#60
Dibromochloromethane
Concen: 1.420 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037027.D
Acq: 16 Aug 2023 19:00

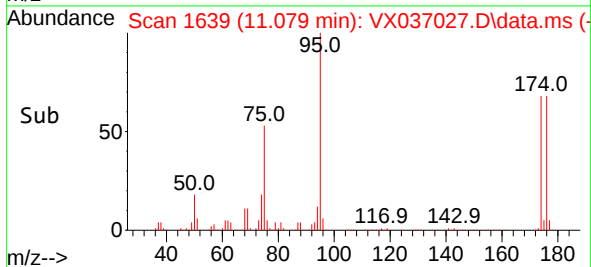
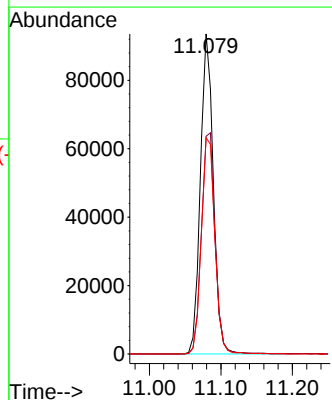
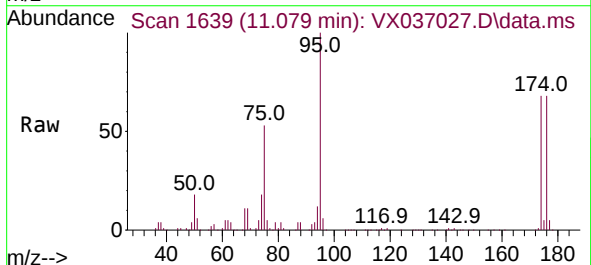
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20230815

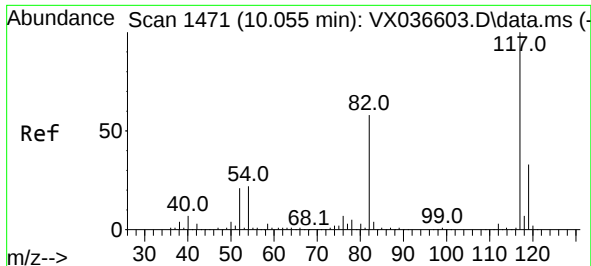
Tgt Ion:129 Resp: 2989
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 52.323 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037027.D
Acq: 16 Aug 2023 19:00

Tgt Ion: 95 Resp: 117400
Ion Ratio Lower Upper
95 100
174 72.7 0.0 135.6
176 70.8 0.0 131.0

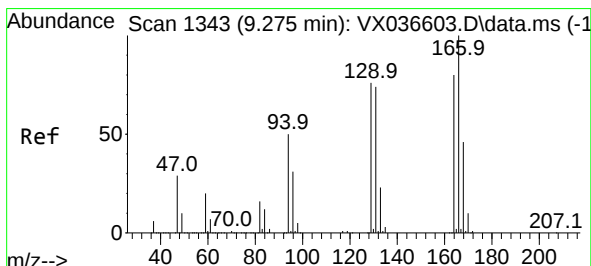
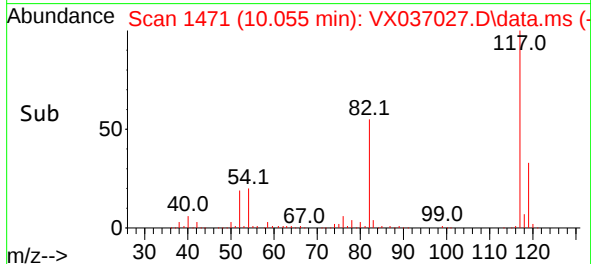
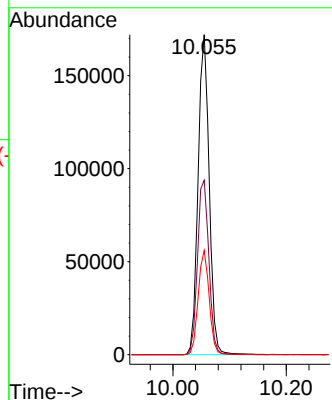
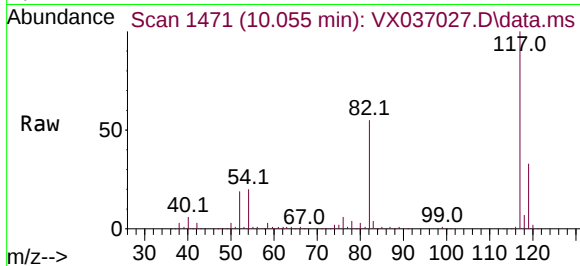




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037027.D
Acq: 16 Aug 2023 19:00

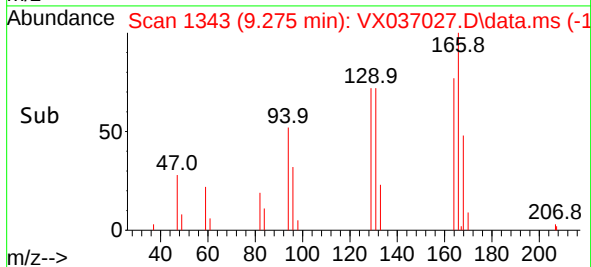
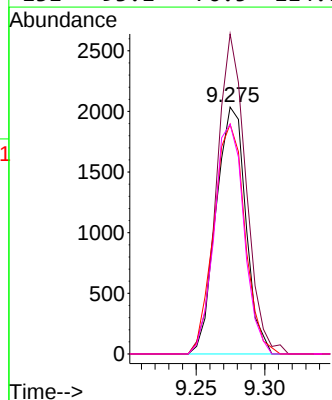
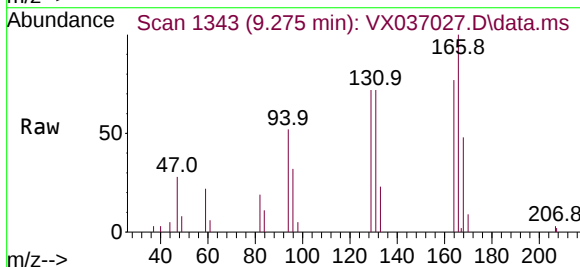
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20230815

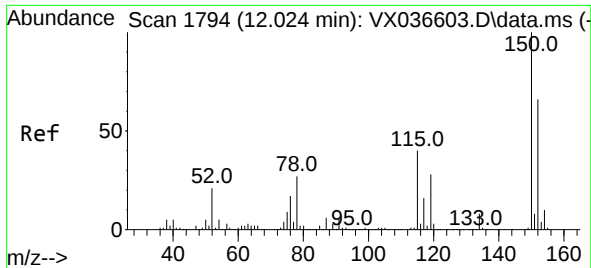
Tgt Ion:117 Resp: 233528
Ion Ratio Lower Upper
117 100
82 54.5 46.2 69.4
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 1.764 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037027.D
Acq: 16 Aug 2023 19:00

Tgt Ion:164 Resp: 3073
Ion Ratio Lower Upper
164 100
166 129.6 102.7 154.1
129 93.1 80.4 120.6
131 93.1 76.5 114.7

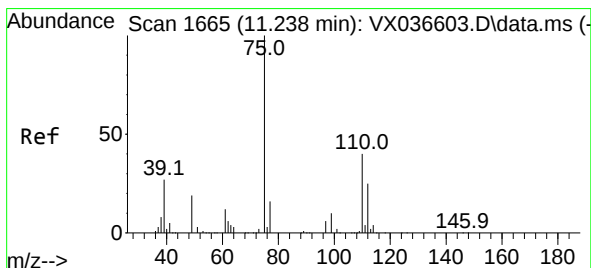
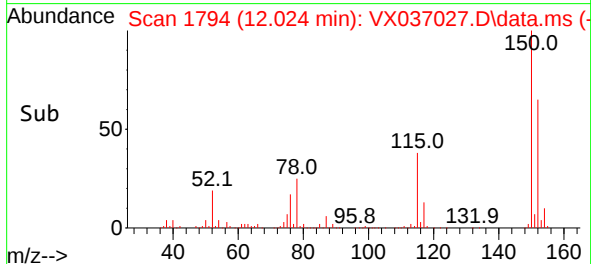
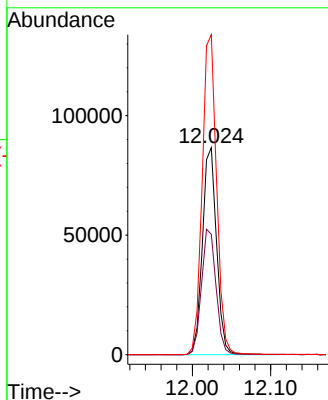
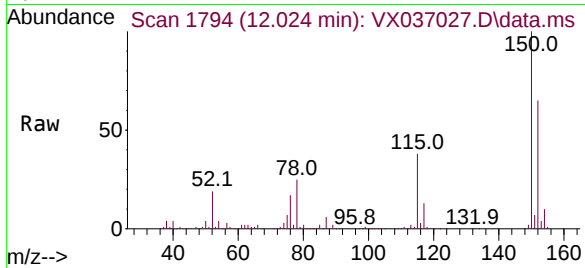




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037027.D
 Acq: 16 Aug 2023 19:00

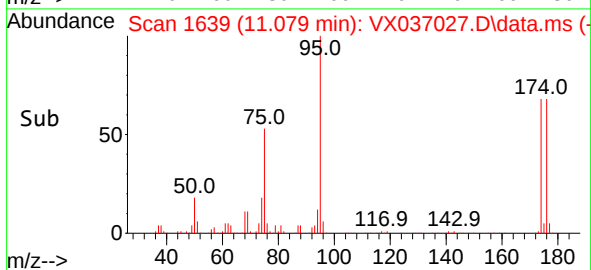
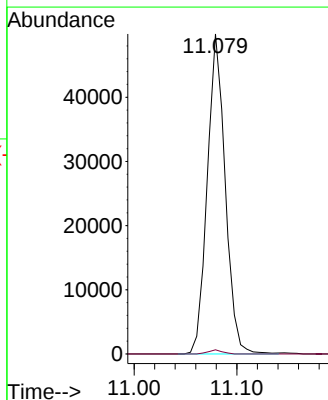
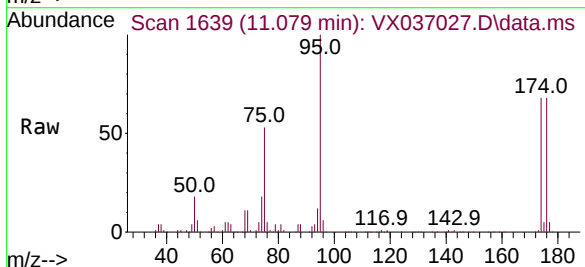
Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20230815

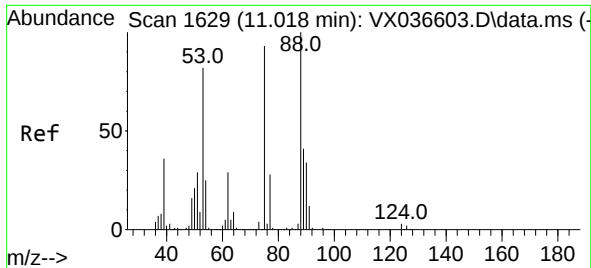
Tgt Ion:152 Resp: 108664
 Ion Ratio Lower Upper
 152 100
 115 62.2 43.3 129.9
 150 157.2 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 23.730 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037027.D
 Acq: 16 Aug 2023 19:00

Tgt Ion: 75 Resp: 60652
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.786 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX037027.D
 Acq: 16 Aug 2023 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20230815

Tgt Ion: 75 Resp: 60652
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

