

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037115.D
 Acq On : 19 Aug 2023 07:34
 Operator : JC/MD
 Sample : 04025-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20230814

Quant Time: Aug 21 01:43:53 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)

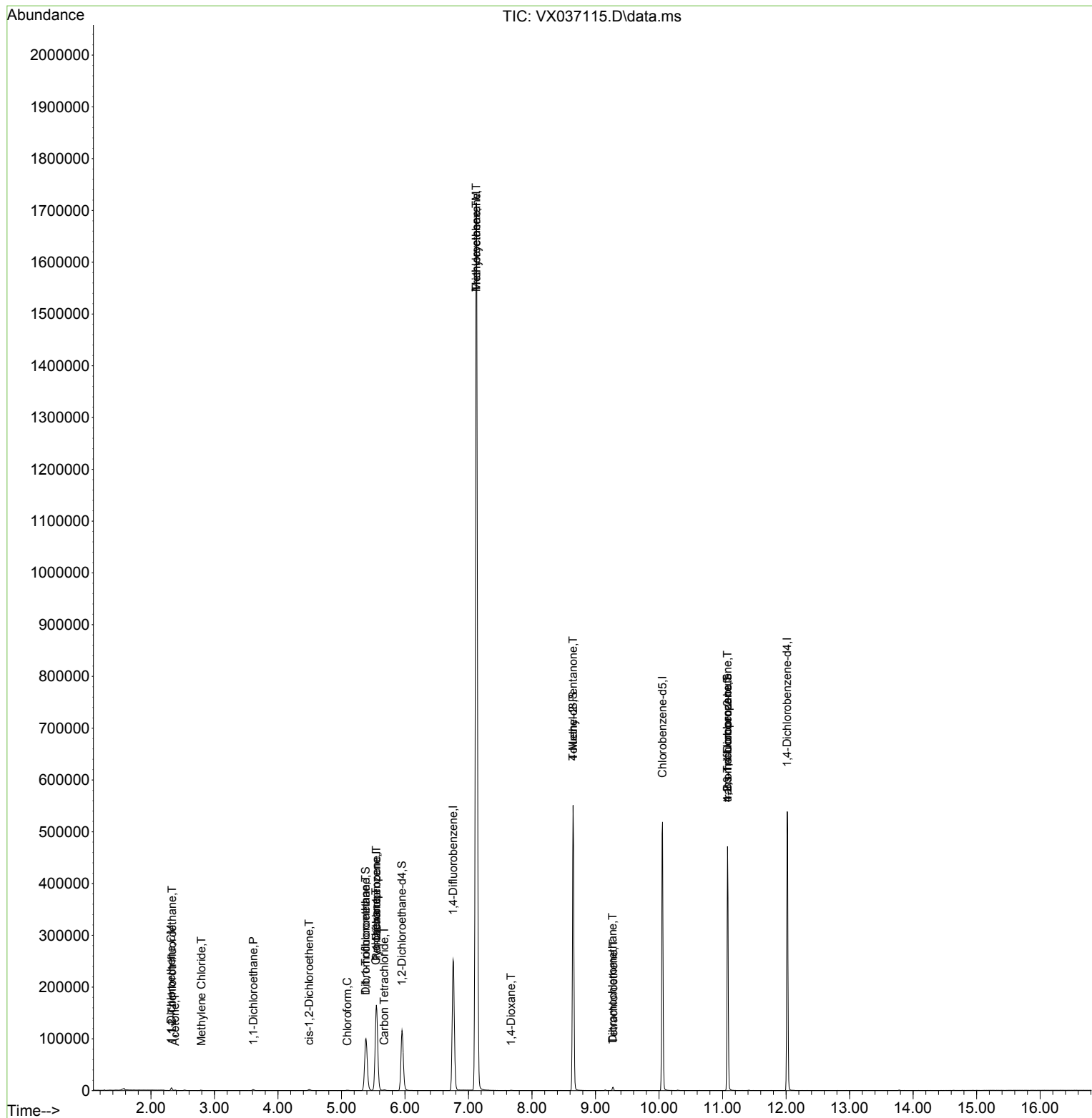
Internal Standards						
1) Pentafluorobenzene	5.550	168	151408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	112859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	115779	53.041	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	106.080%	
35) Dibromofluoromethane	5.379	113	88155	50.246	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	100.500%	
50) Toluene-d8	8.647	98	326638	51.325	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	102.660%	
62) 4-Bromofluorobenzene	11.079	95	125127	50.031	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	100.060%	
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	815	0.509	ug/l	94
12) 1,1-Dichloroethene	2.319	96	1320	0.847	ug/l	88
16) Acetone	2.380	43	1008	1.180	ug/l #	88
20) Methylene Chloride	2.794	84	382	0.200	ug/l #	70
24) 1,1-Dichloroethane	3.611	63	2433	0.784	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	1342	0.642	ug/l	81
30) Chloroform	5.093	83	969	0.278	ug/l	86
31) Cyclohexane	5.544	56	3154	1.285	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	771	0.247	ug/l #	41
36) 1,1-Dichloropropene	5.550	75	12152	4.875	ug/l #	51
38) Carbon Tetrachloride	5.672	117	1197	0.442	ug/l	94
39) Methylcyclohexane	7.123	83	8100	3.093	ug/l #	1
44) Trichloroethene	7.123	130	675435	333.206	ug/l	97
49) 1,4-Dioxane	7.671	88	546	10.284	ug/l #	96
51) 4-Methyl-2-Pentanone	8.647	43	1354	0.552	ug/l #	1
60) Dibromochloromethane	9.269	129	1208	0.590	ug/l #	11
64) Tetrachloroethene	9.281	164	1167	0.660	ug/l #	80
76) 1,2,3-Trichloropropane	11.079	75	64185	26.704	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	64185	74.587	ug/l #	5

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

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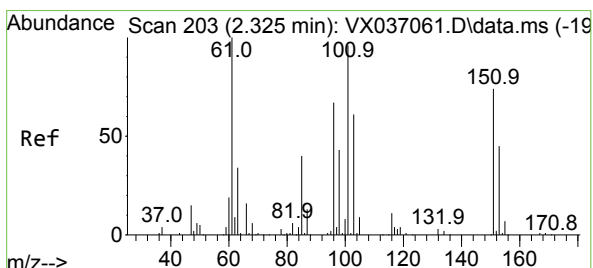
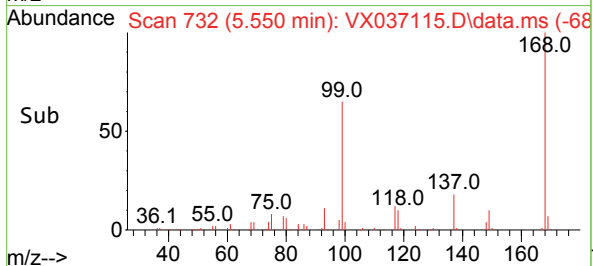
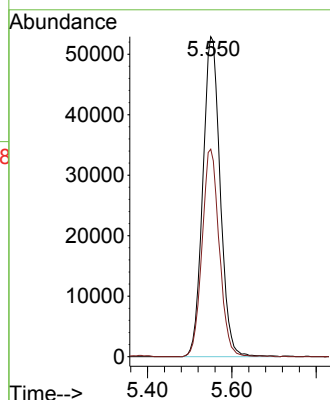
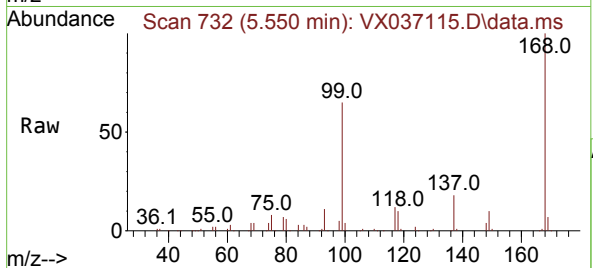




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037115.D
Acq: 19 Aug 2023 07:34

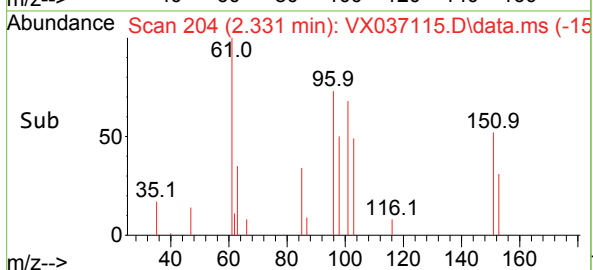
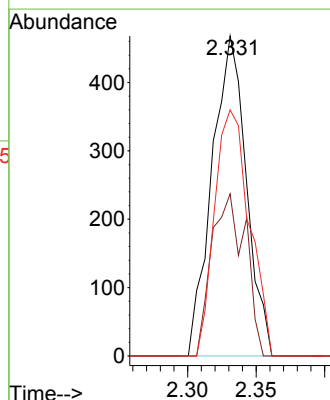
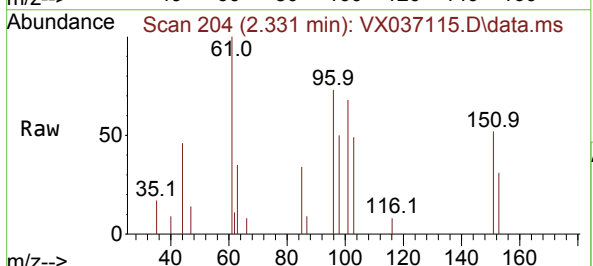
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20230814

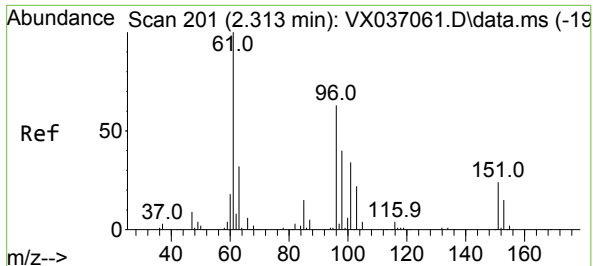
Tgt Ion:168 Resp: 151408
Ion Ratio Lower Upper
168 100
99 64.8 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.509 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX037115.D
Acq: 19 Aug 2023 07:34

Tgt Ion:101 Resp: 815
Ion Ratio Lower Upper
101 100
85 49.9 37.0 55.6
151 78.2 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.847 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX037115.D

Acq: 19 Aug 2023 07:34

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20230814

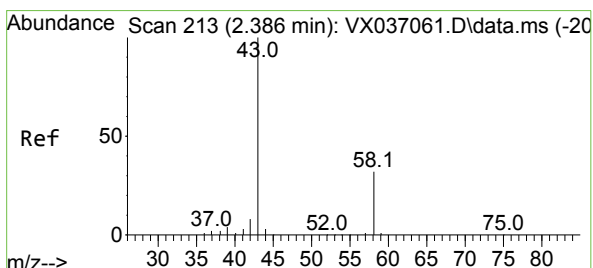
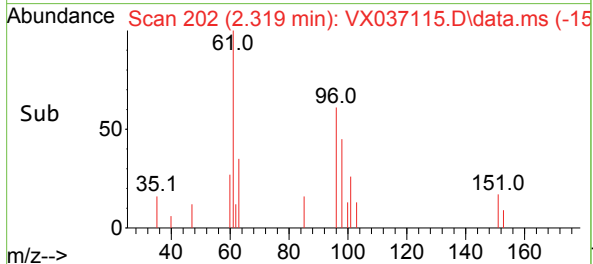
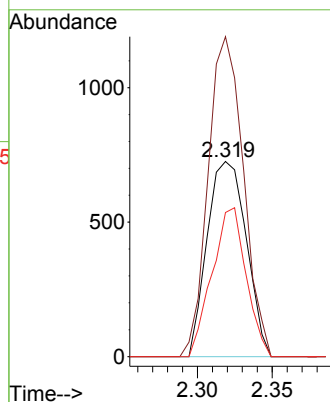
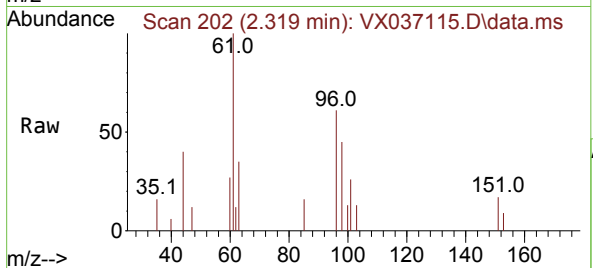
Tgt Ion: 96 Resp: 1320

Ion Ratio Lower Upper

96 100

61 163.9 144.6 216.8

98 73.8 50.4 75.6



#16

Acetone

Concen: 1.180 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037115.D

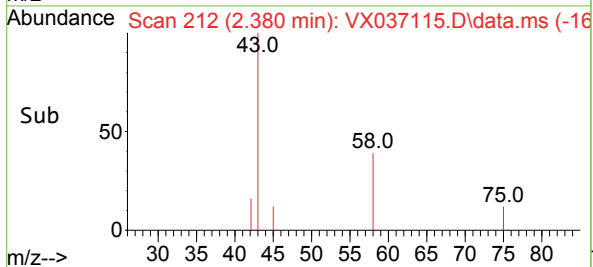
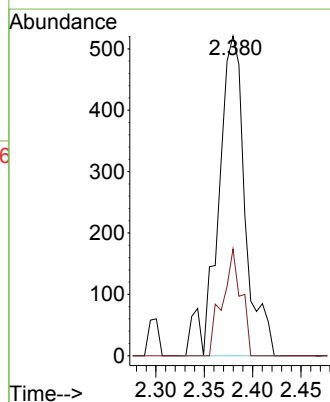
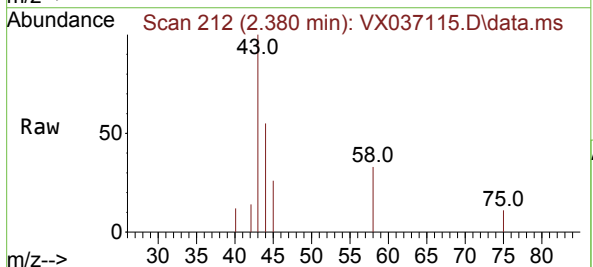
Acq: 19 Aug 2023 07:34

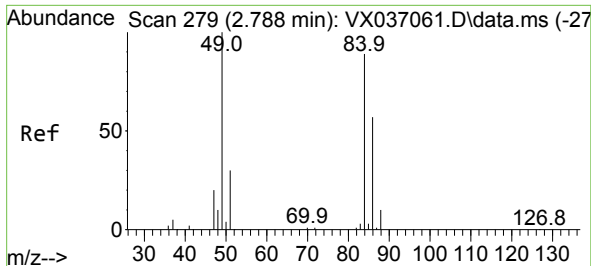
Tgt Ion: 43 Resp: 1008

Ion Ratio Lower Upper

43 100

58 33.4 21.9 32.9#

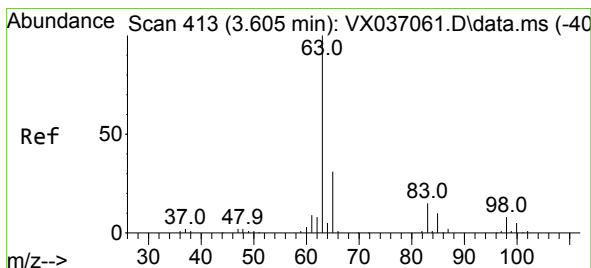
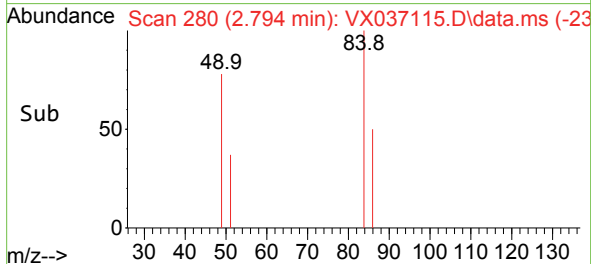
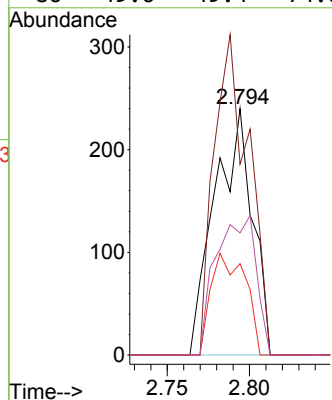
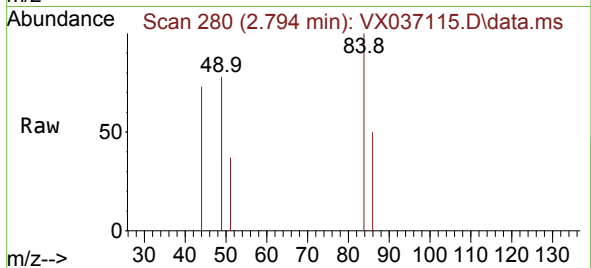




#20
Methylene Chloride
Concen: 0.200 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037115.D
Acq: 19 Aug 2023 07:34

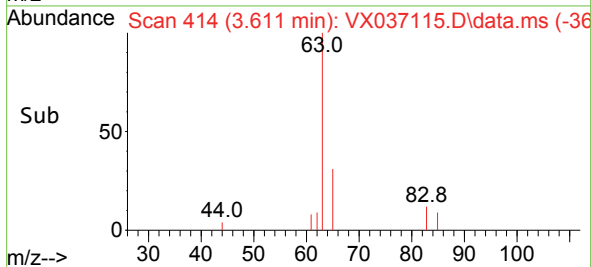
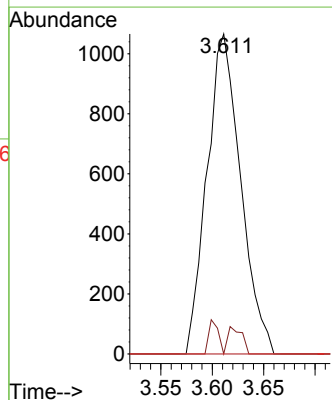
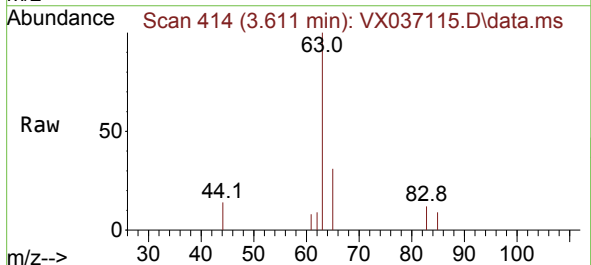
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20230814

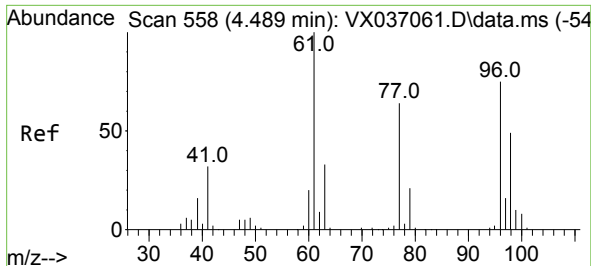
Tgt Ion:	84	Resp:	382
Ion	Ratio	Lower	Upper
84	100		
49	77.5	103.6	155.4#
51	37.1	33.8	50.6
86	49.6	49.4	74.0



#24
1,1-Dichloroethane
Concen: 0.784 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX037115.D
Acq: 19 Aug 2023 07:34

Tgt Ion:	63	Resp:	2433
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.1	6.5#

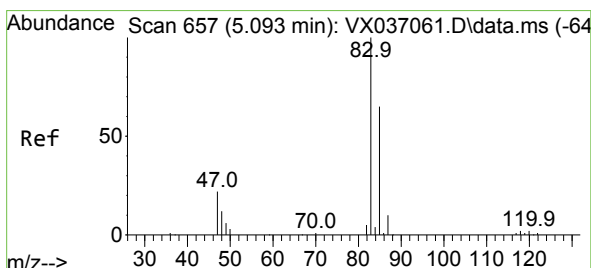
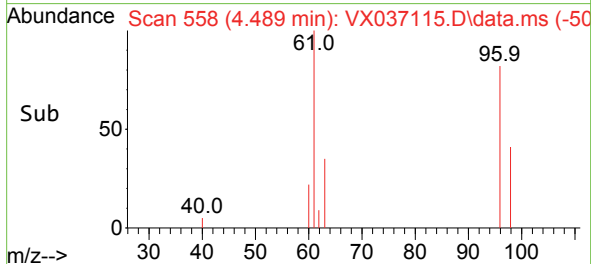
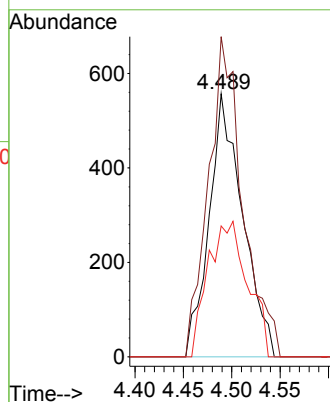
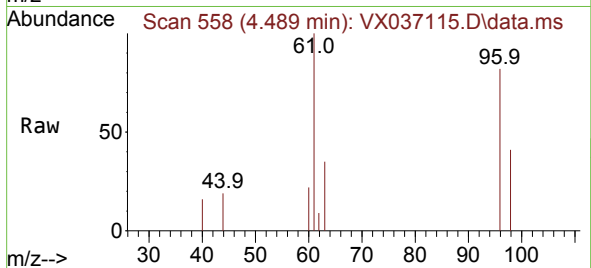




#27
 cis-1,2-Dichloroethene
 Concen: 0.642 ug/l
 RT: 4.489 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VX037115.D
 Acq: 19 Aug 2023 07:34

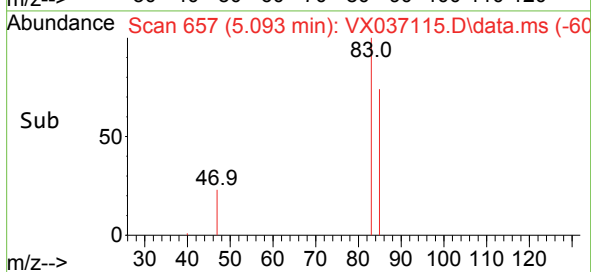
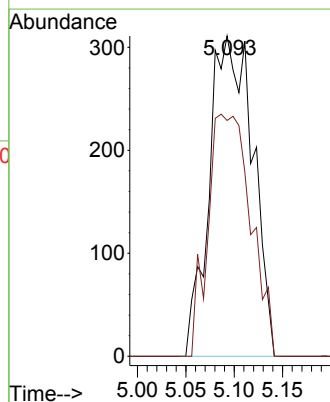
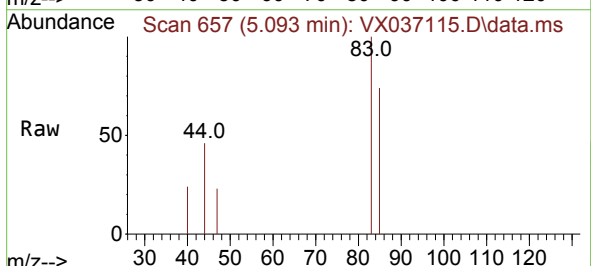
Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20230814

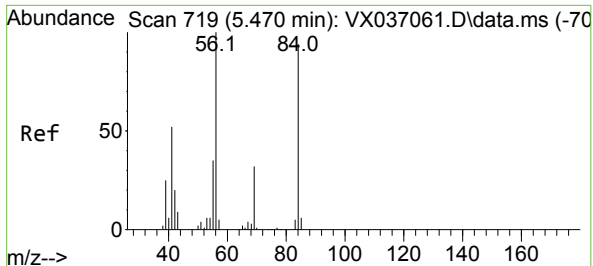
Tgt Ion: 96	Resp:	1342	
Ion	Ratio	Lower	Upper
96	100		
61	124.3	0.0	312.2
98	61.0	0.0	129.0



#30
 Chloroform
 Concen: 0.278 ug/l
 RT: 5.093 min Scan# 657
 Delta R.T. 0.000 min
 Lab File: VX037115.D
 Acq: 19 Aug 2023 07:34

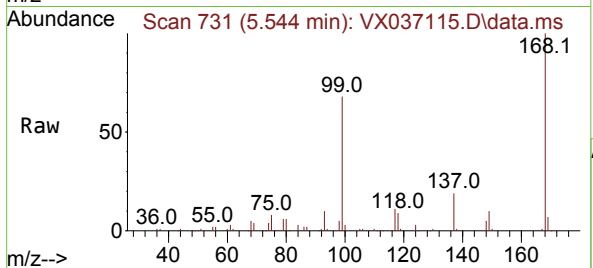
Tgt Ion: 83	Resp:	969	
Ion Ratio	Lower	Upper	
83	100		
85	73.6	50.3	75.5



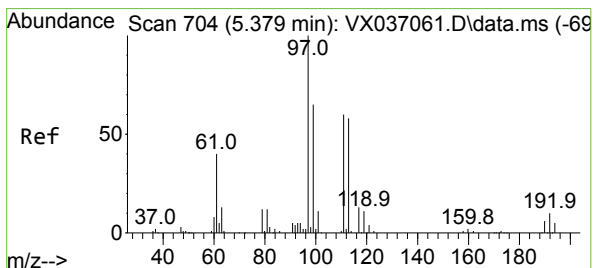
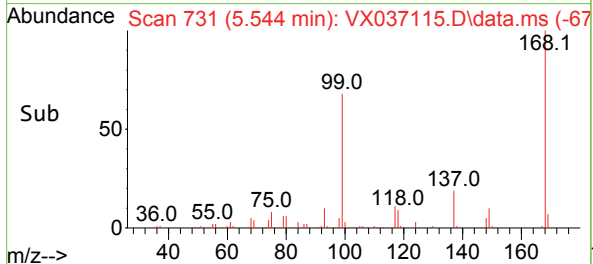
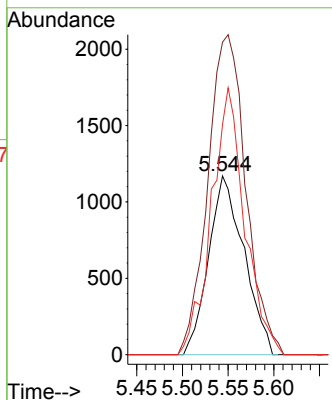


#31
Cyclohexane
Concen: 1.285 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037115.D
Acq: 19 Aug 2023 07:34

Instrument :
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ClientSampleId :
RE126D2-20230814

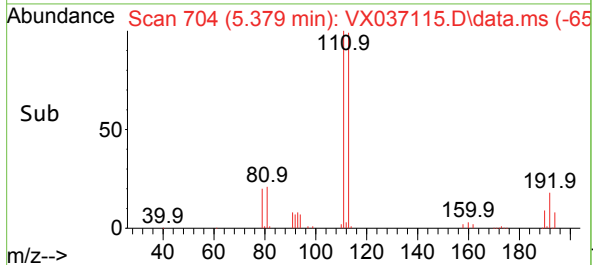
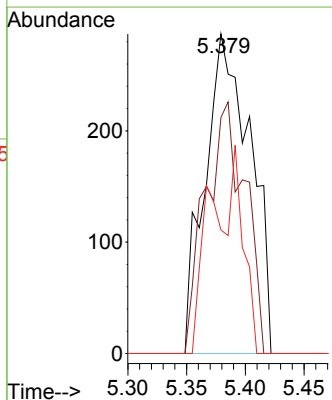
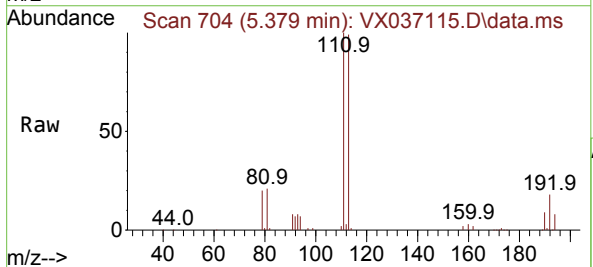


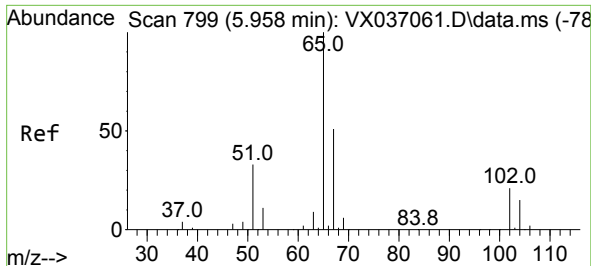
Tgt Ion: 56 Resp: 3154
Ion Ratio Lower Upper
56 100
69 174.9 23.4 35.2#
84 128.8 65.9 98.9#



#32
1,1,1-Trichloroethane
Concen: 0.247 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX037115.D
Acq: 19 Aug 2023 07:34

Tgt Ion: 97 Resp: 771
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 27.6 36.4 54.6#





#33

1,2-Dichloroethane-d4

Concen: 53.041 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037115.D

Acq: 19 Aug 2023 07:34

Instrument :

MSVOA_X

ClientSampleId :

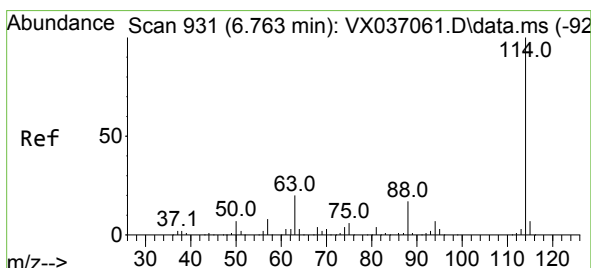
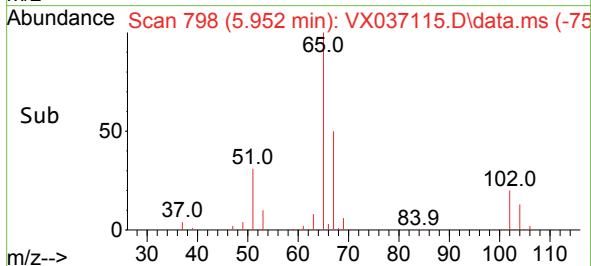
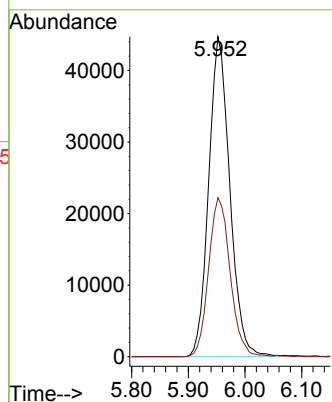
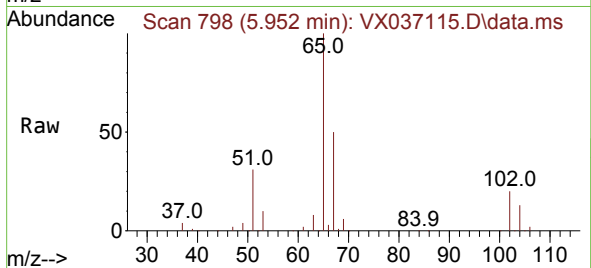
RE126D2-20230814

Tgt Ion: 65 Resp: 115779

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX037115.D

Acq: 19 Aug 2023 07:34

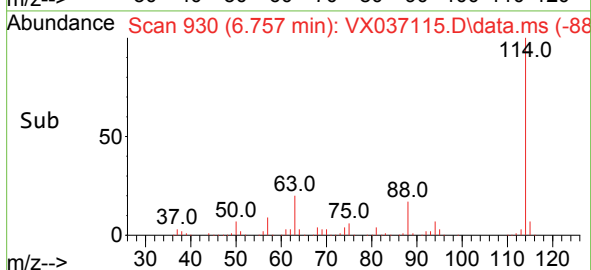
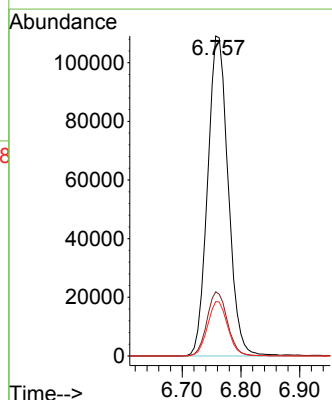
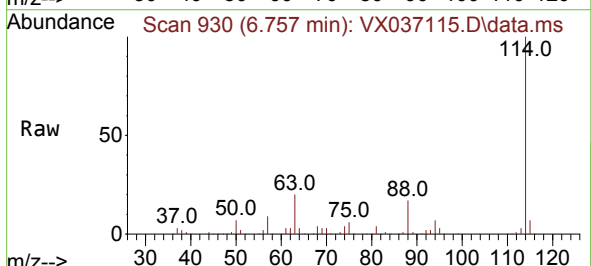
Tgt Ion: 114 Resp: 264913

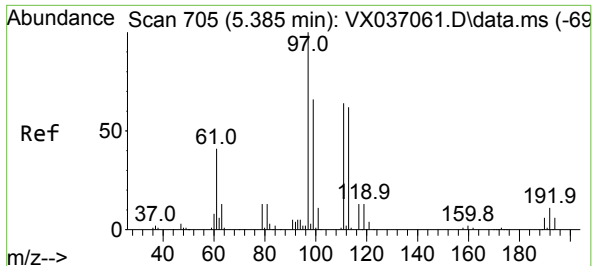
Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.0

88 17.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 50.246 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX037115.D

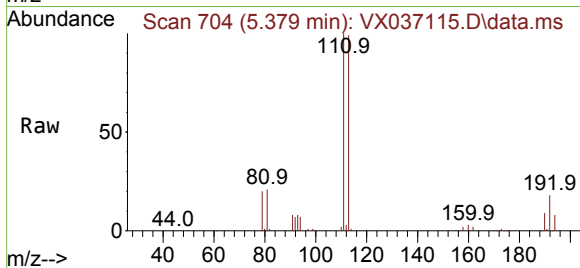
Acq: 19 Aug 2023 07:34

Instrument :

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ClientSampleId :

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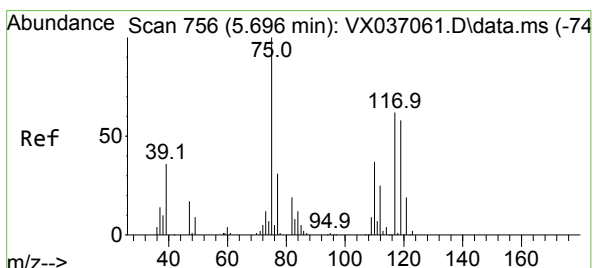
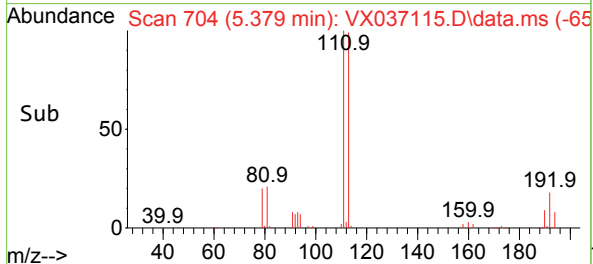
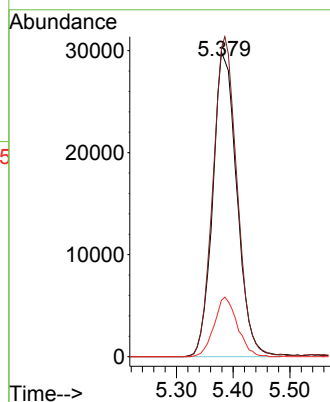
Tgt Ion:113 Resp: 88155

Ion Ratio Lower Upper

113 100

111 105.1 82.9 124.3

192 18.8 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.875 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX037115.D

Acq: 19 Aug 2023 07:34

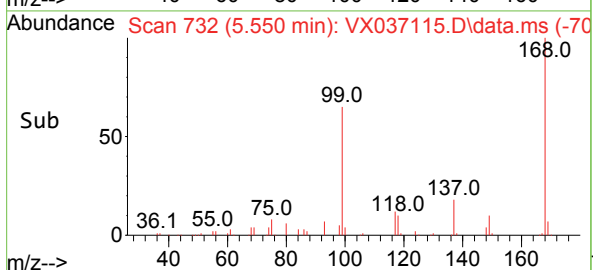
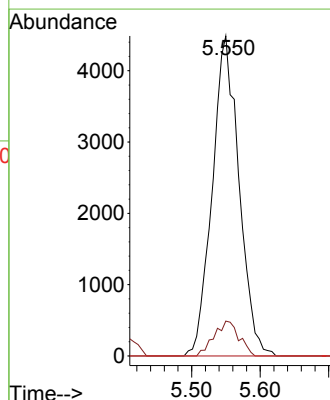
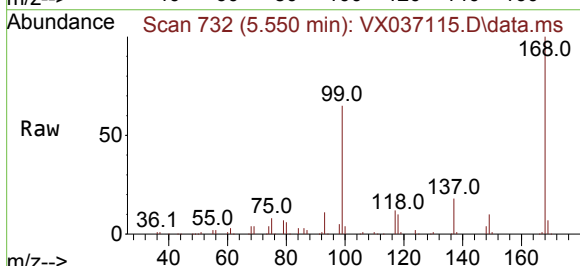
Tgt Ion: 75 Resp: 12152

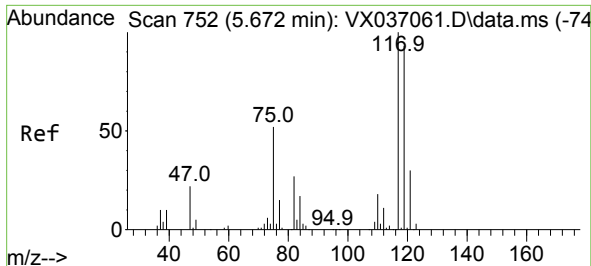
Ion Ratio Lower Upper

75 100

110 10.1 17.0 50.9#

77 0.0 24.7 37.1#

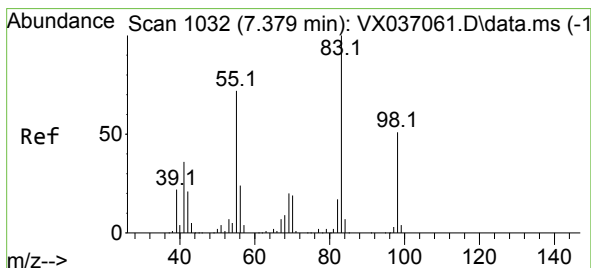
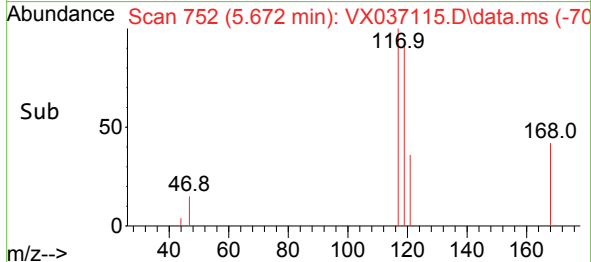
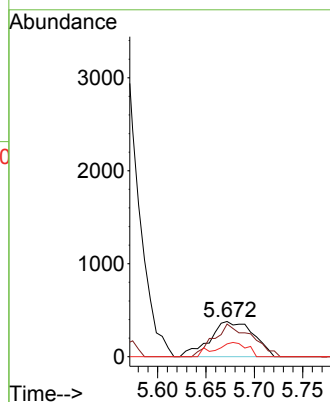
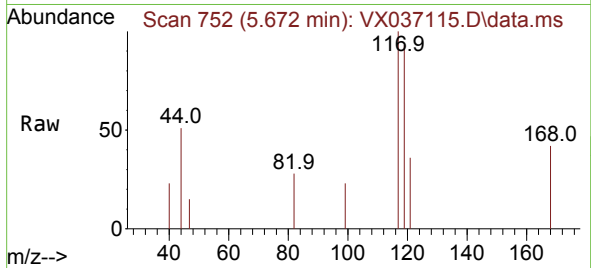




#38
Carbon Tetrachloride
Concen: 0.442 ug/l
RT: 5.672 min Scan# 711
Delta R.T. 0.000 min
Lab File: VX037115.D
Acq: 19 Aug 2023 07:34

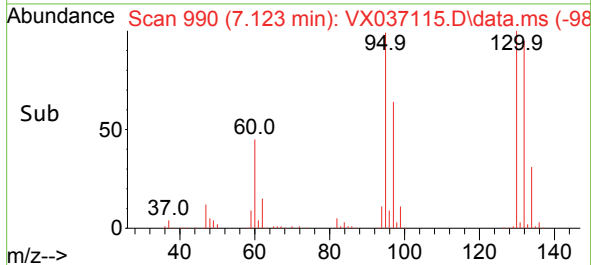
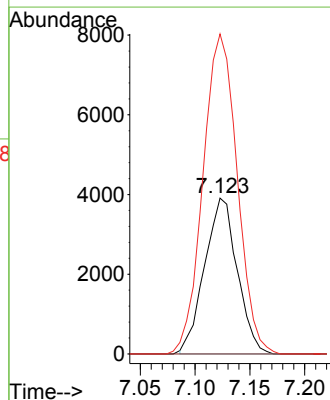
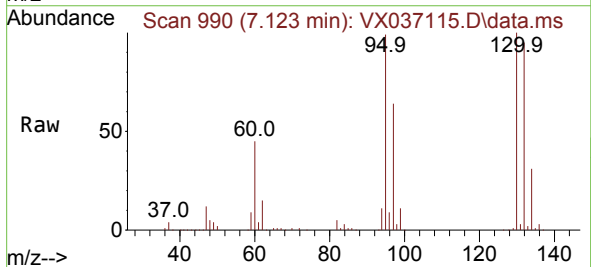
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20230814

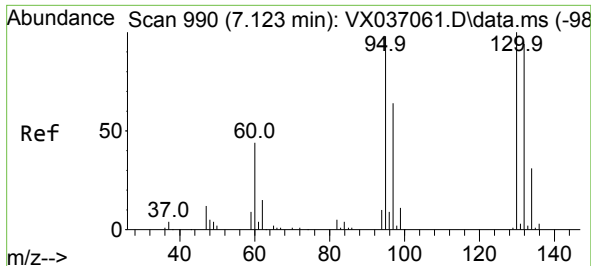
Tgt Ion:117 Resp: 1197
Ion Ratio Lower Upper
117 100
119 92.9 78.2 117.2
121 36.4 24.4 36.6



#39
Methylcyclohexane
Concen: 3.093 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037115.D
Acq: 19 Aug 2023 07:34

Tgt Ion: 83 Resp: 8100
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 205.2 36.7 55.1#

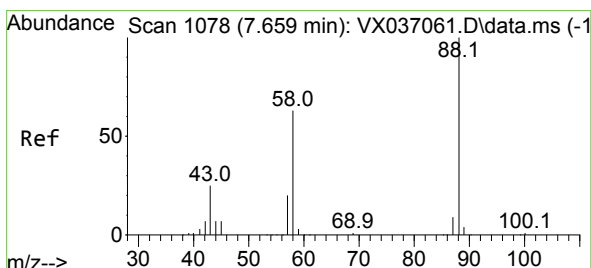
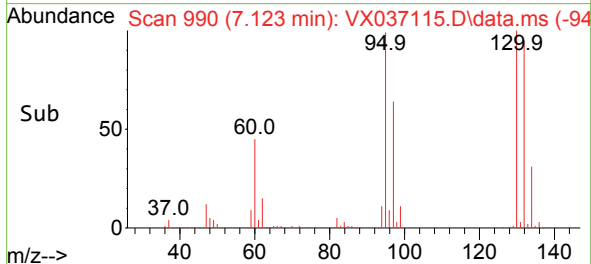
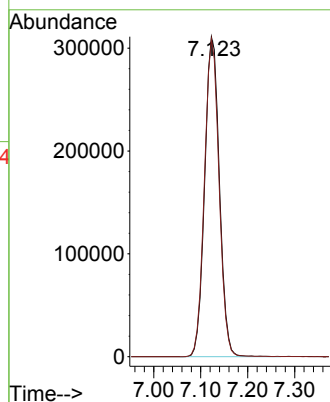
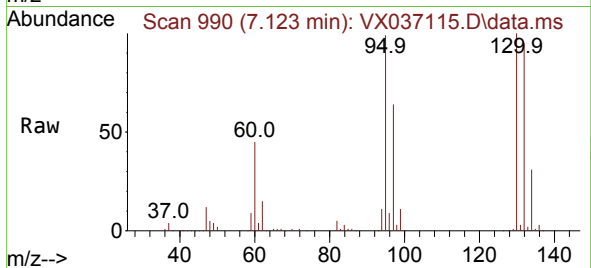




#44
Trichloroethene
Concen: 333.206 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037115.D
Acq: 19 Aug 2023 07:34

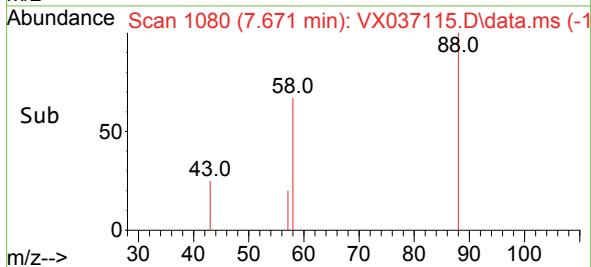
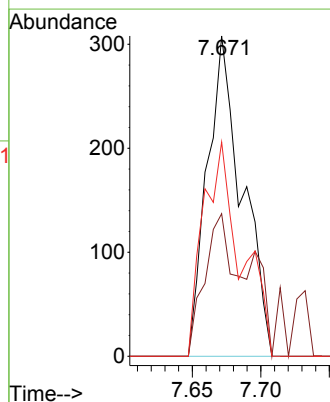
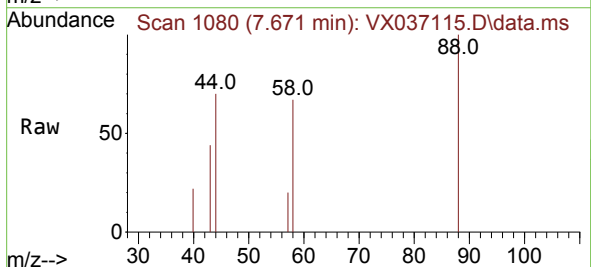
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20230814

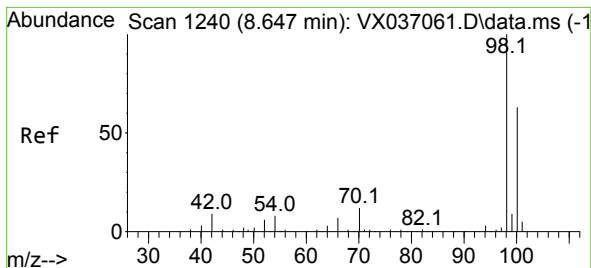
Tgt Ion:130 Resp: 675435
Ion Ratio Lower Upper
130 100
95 99.4 0.0 204.4



#49
1,4-Dioxane
Concen: 10.284 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037115.D
Acq: 19 Aug 2023 07:34

Tgt Ion: 88 Resp: 546
Ion Ratio Lower Upper
88 100
43 41.2 0.0 0.0#
58 72.0 60.1 90.1





#50

Toluene-d8

Concen: 51.325 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037115.D

Acq: 19 Aug 2023 07:34

Instrument :

MSVOA_X

ClientSampleId :

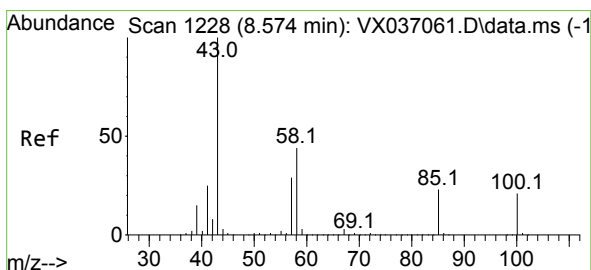
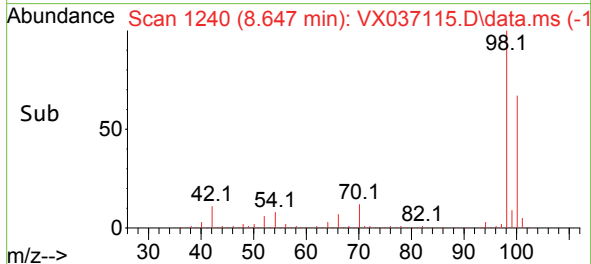
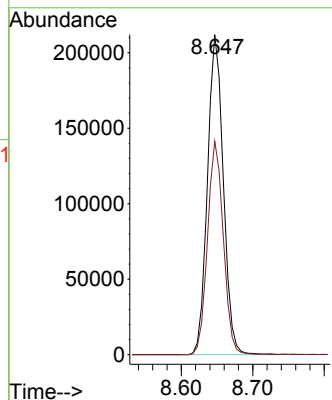
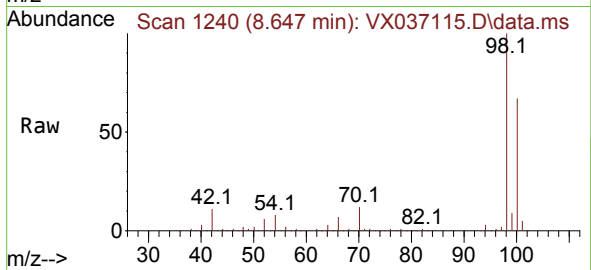
RE126D2-20230814

Tgt Ion: 98 Resp: 326638

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.552 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX037115.D

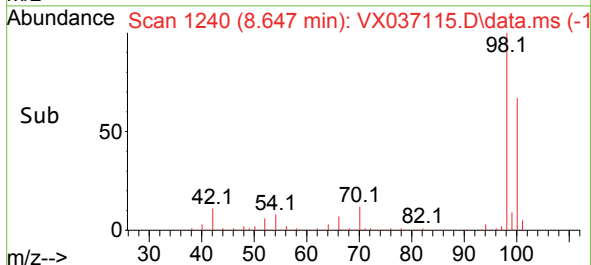
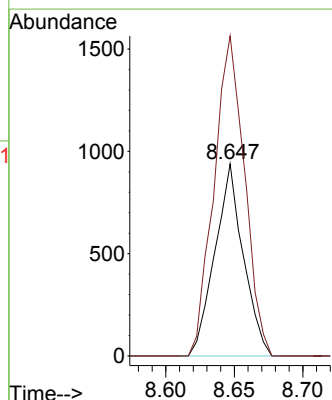
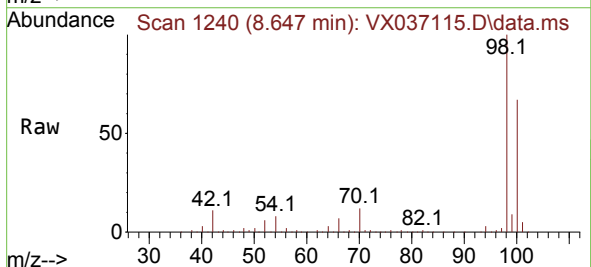
Acq: 19 Aug 2023 07:34

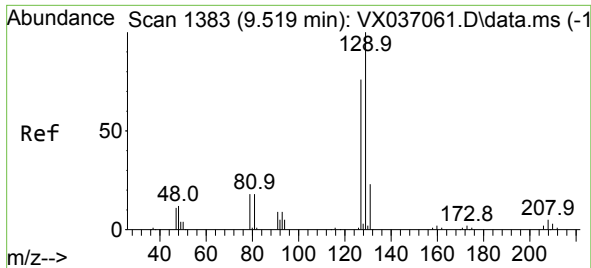
Tgt Ion: 43 Resp: 1354

Ion Ratio Lower Upper

43 100

58 179.2 30.4 45.6#

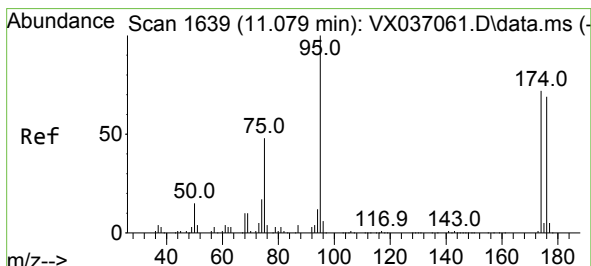
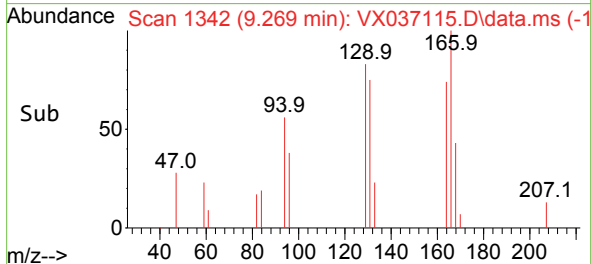
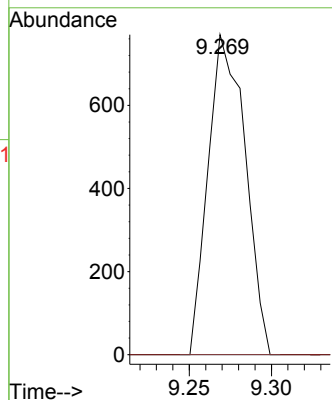
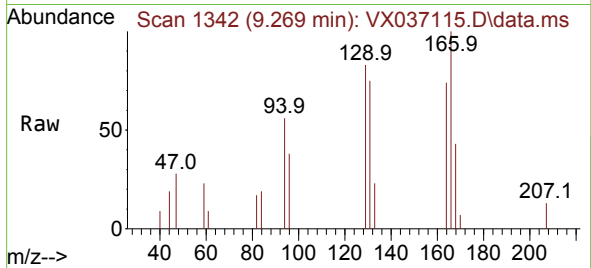




#60
 Dibromochloromethane
 Concen: 0.590 ug/l
 RT: 9.269 min Scan# 11
 Delta R.T. -0.250 min
 Lab File: VX037115.D
 Acq: 19 Aug 2023 07:34

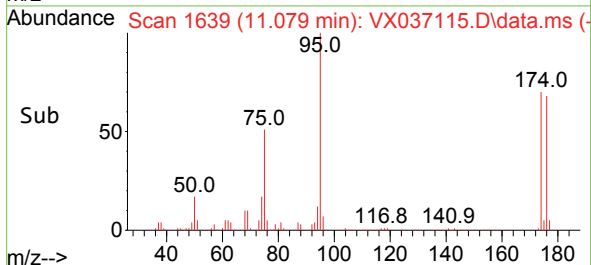
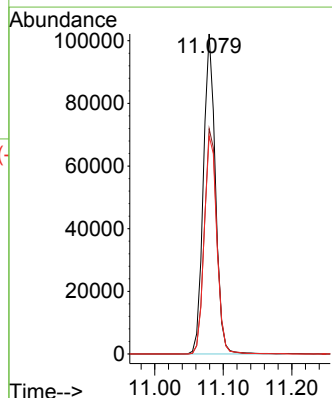
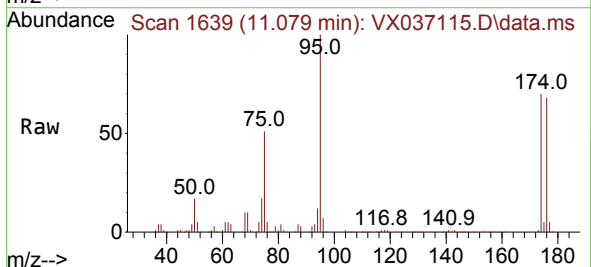
Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20230814

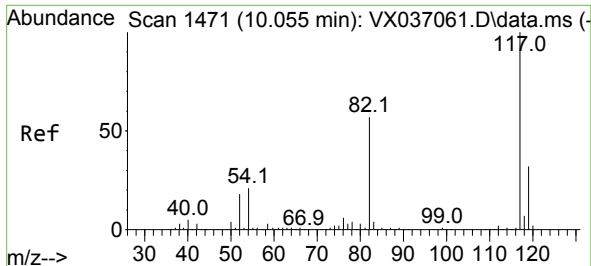
Tgt Ion:129 Resp: 1208
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.4#



#62
 4-Bromofluorobenzene
 Concen: 50.031 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX037115.D
 Acq: 19 Aug 2023 07:34

Tgt Ion: 95 Resp: 125127
 Ion Ratio Lower Upper
 95 100
 174 73.5 0.0 135.6
 176 71.5 0.0 131.0

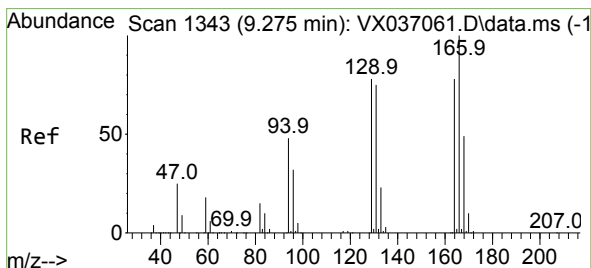
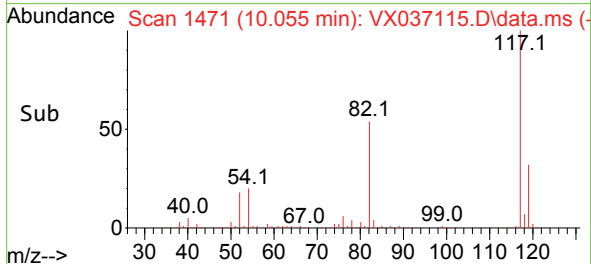
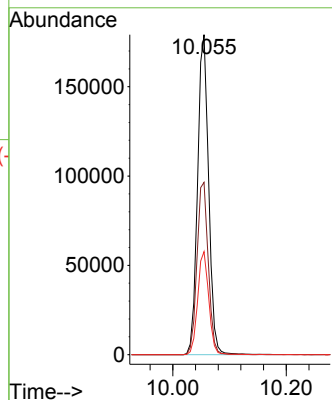
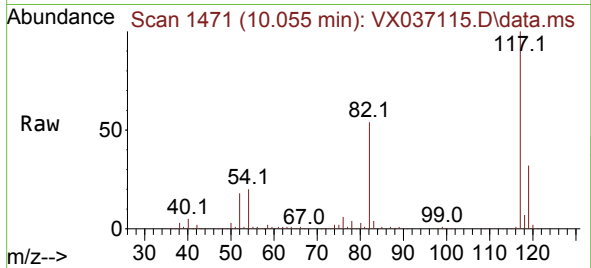




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037115.D
Acq: 19 Aug 2023 07:34

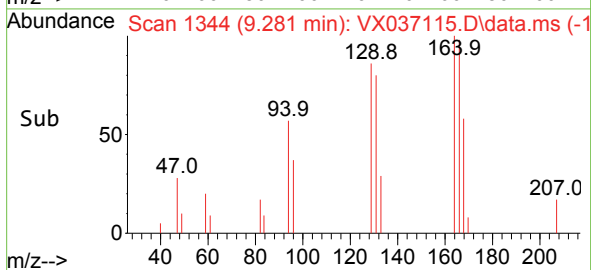
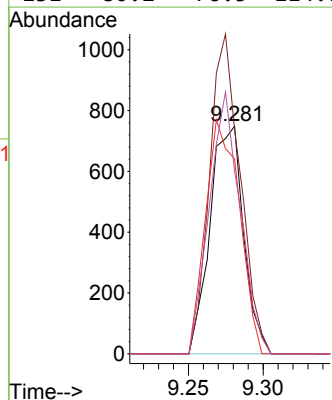
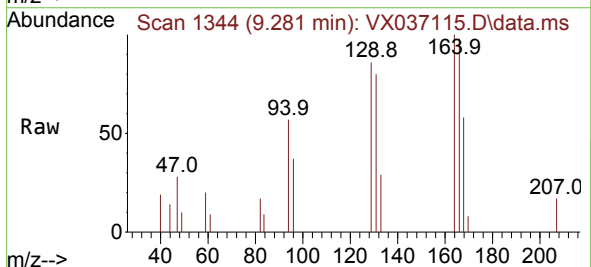
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20230814

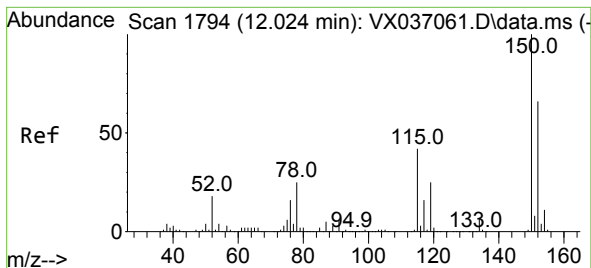
Tgt Ion:117 Resp: 242477
Ion Ratio Lower Upper
117 100
82 53.9 46.2 69.4
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 0.660 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX037115.D
Acq: 19 Aug 2023 07:34

Tgt Ion:164 Resp: 1167
Ion Ratio Lower Upper
164 100
166 98.4 102.7 154.1#
129 85.6 80.4 120.6
131 80.2 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX037115.D

Acq: 19 Aug 2023 07:34

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20230814

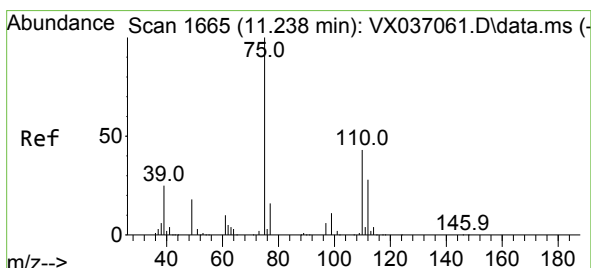
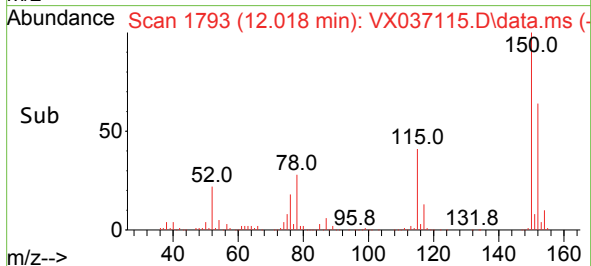
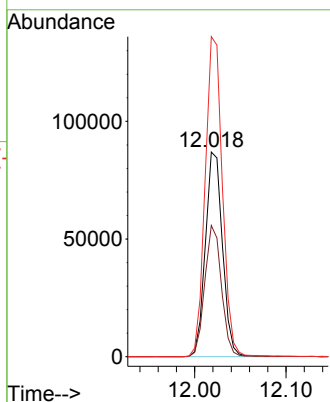
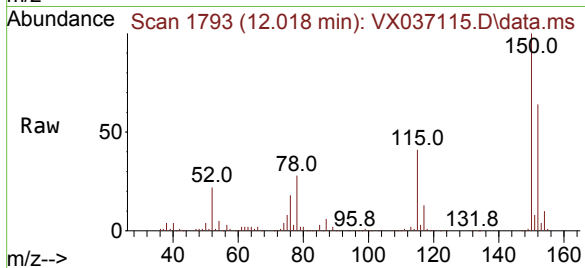
Tgt Ion:152 Resp: 112859

Ion Ratio Lower Upper

152 100

115 62.7 43.3 129.9

150 157.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.704 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037115.D

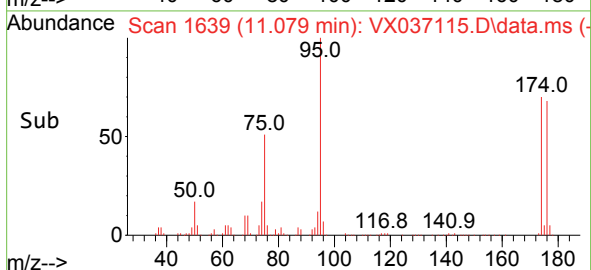
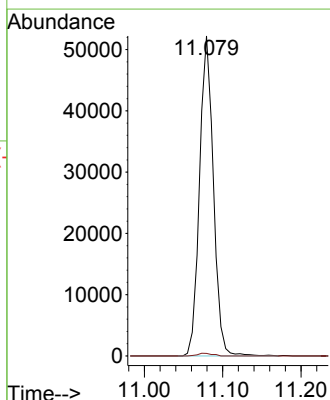
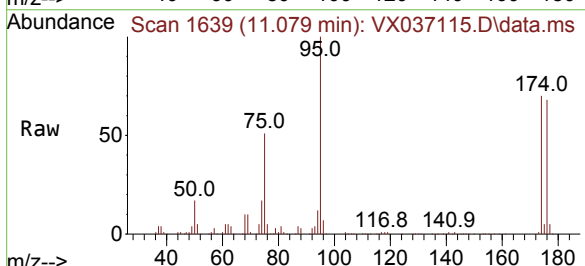
Acq: 19 Aug 2023 07:34

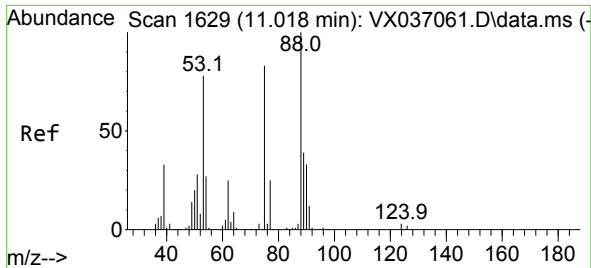
Tgt Ion: 75 Resp: 64185

Ion Ratio Lower Upper

75 100

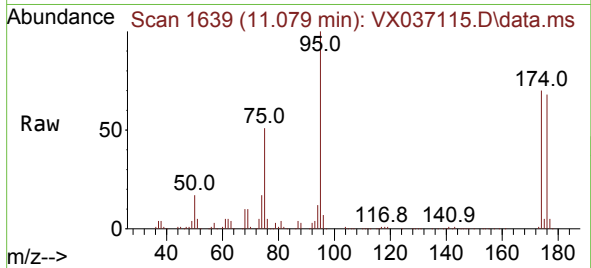
77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.587 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037115.D
 Acq: 19 Aug 2023 07:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20230814



Tgt Ion: 75 Resp: 64185
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

