

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037320.D
 Acq On : 29 Aug 2023 05:09
 Operator : JC/MD
 Sample : 04126-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20230821

Quant Time: Aug 29 07:20:50 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

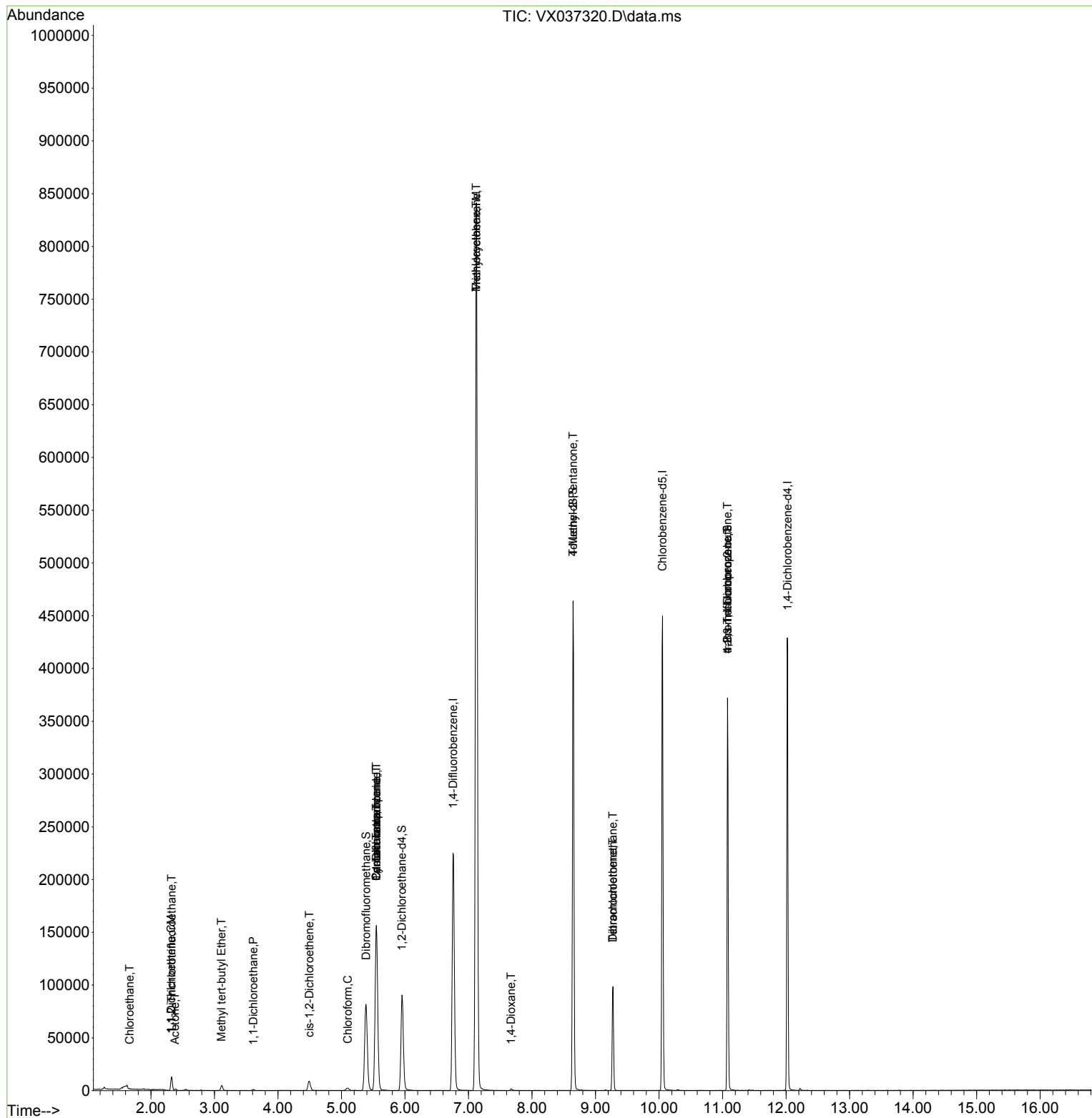
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	147332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	242119	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89538	42.154	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.300%
35) Dibromofluoromethane	5.385	113	73547	45.867	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.740%
50) Toluene-d8	8.646	98	281624	48.418	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.840%
62) 4-Bromofluorobenzene	11.079	95	100150	43.814	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.620%
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	526	0.548	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.324	101	4306	2.765	ug/l	97
12) 1,1-Dichloroethene	2.318	96	984	0.649	ug/l #	79
16) Acetone	2.379	43	723	0.870	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	5350	0.930	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	1387	0.459	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	6564	3.230	ug/l	75
30) Chloroform	5.098	83	3058	0.902	ug/l	95
31) Cyclohexane	5.549	56	2799	1.172	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	11315	4.967	ug/l #	51
38) Carbon Tetrachloride	5.549	117	16083	6.499	ug/l #	16
39) Methylcyclohexane	7.122	83	4092	1.710	ug/l #	1
44) Trichloroethene	7.122	130	338415	182.664	ug/l	97
49) 1,4-Dioxane	7.671	88	1454	29.964	ug/l #	83
51) 4-Methyl-2-Pentanone	8.646	43	1027	0.458	ug/l #	1
60) Dibromochloromethane	9.274	129	19489	10.413	ug/l #	11
64) Tetrachloroethene	9.274	164	19241	12.383	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	50282	25.400	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	50282	70.942	ug/l #	5

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

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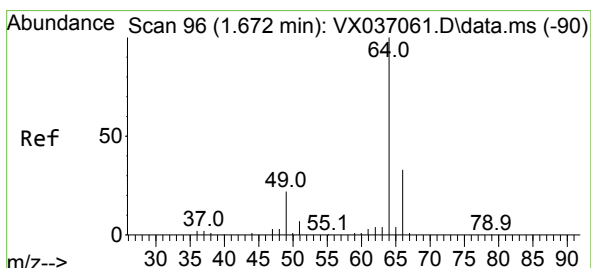
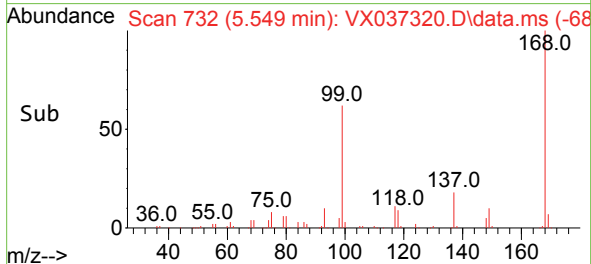
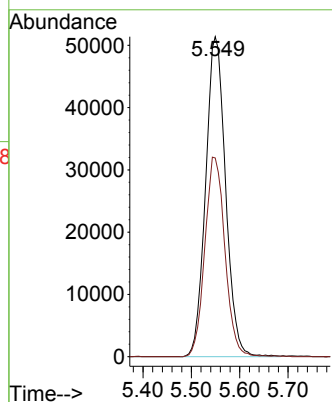
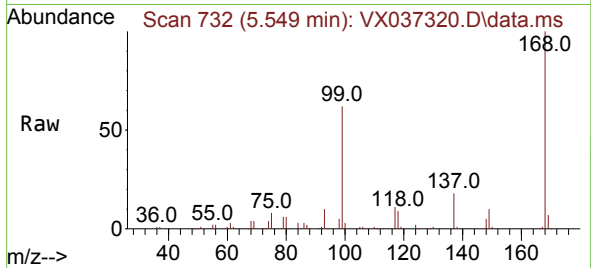




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

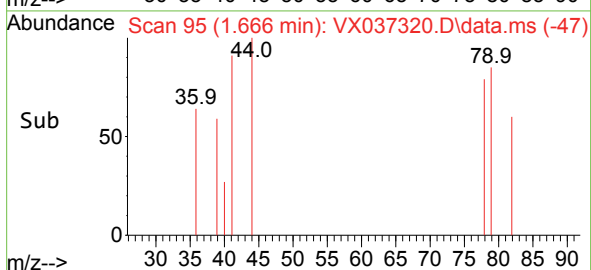
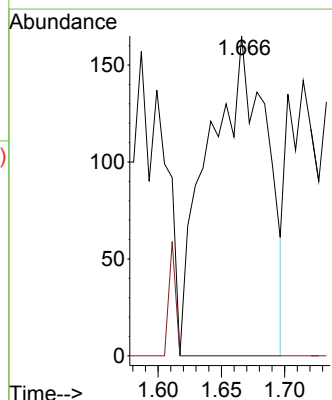
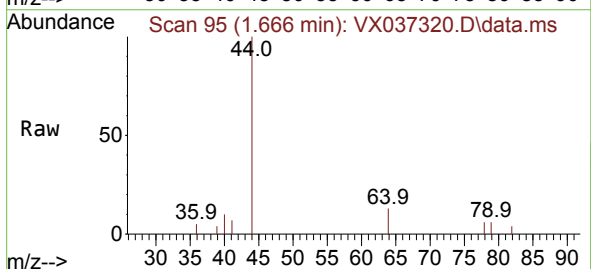
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MSVOA_X
ClientSampleId :
RE131D1-20230821

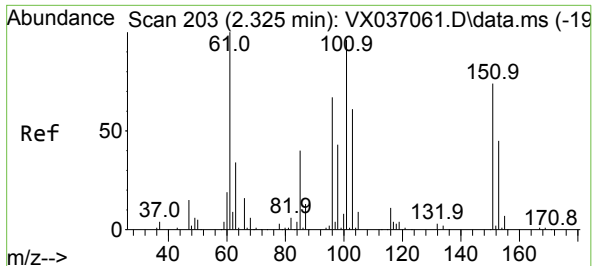
Tgt Ion:168 Resp: 147332
Ion Ratio Lower Upper
168 100
99 62.1 56.6 85.0



#6
Chloroethane
Concen: 0.548 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.006 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

Tgt Ion: 64 Resp: 526
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

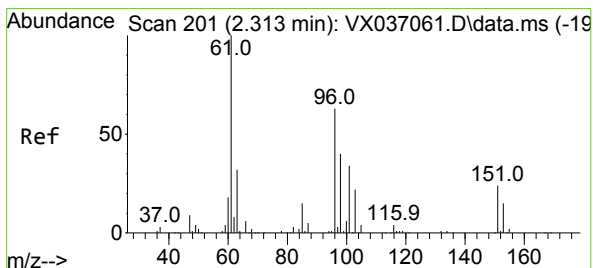
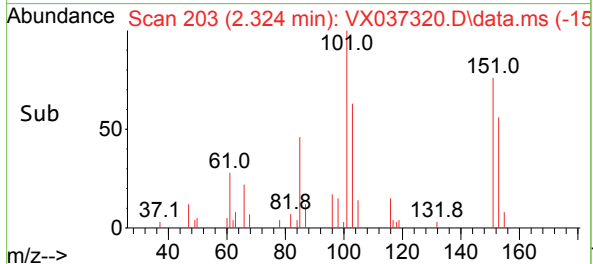
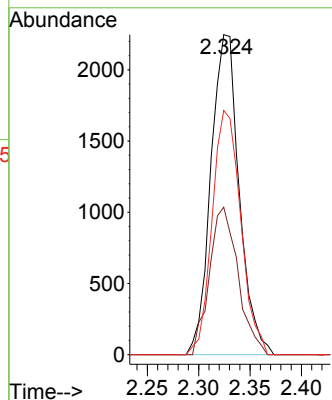
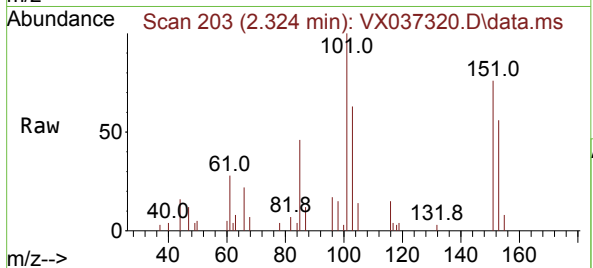




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.765 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

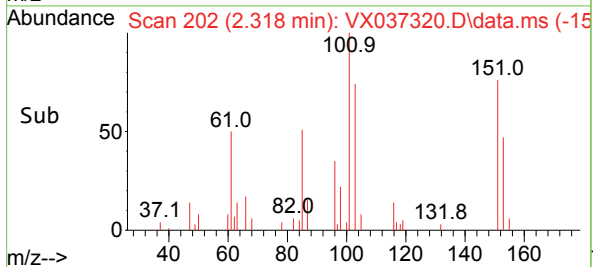
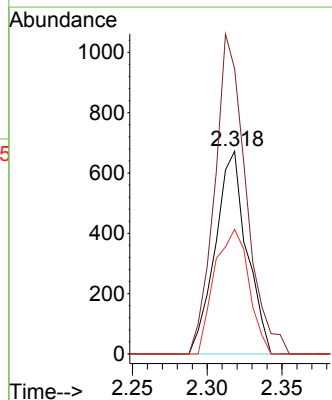
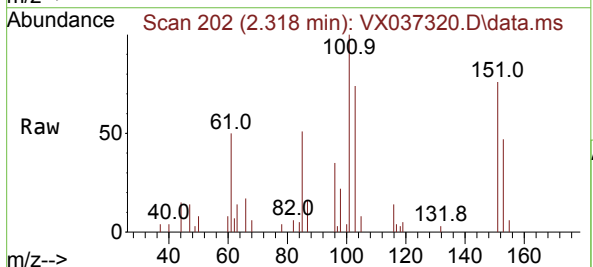
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ClientSampleId :
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Tgt Ion:101 Resp: 4306
Ion Ratio Lower Upper
101 100
85 46.7 37.0 55.6
151 77.1 58.6 87.8



#12
1,1-Dichloroethene
Concen: 0.649 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

Tgt Ion: 96 Resp: 984
Ion Ratio Lower Upper
96 100
61 140.8 144.6 216.8#
98 61.5 50.4 75.6

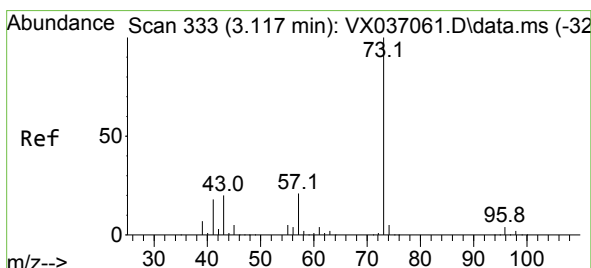
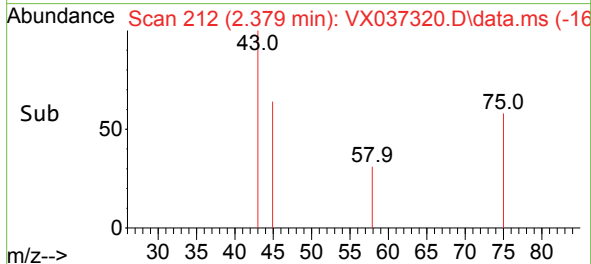
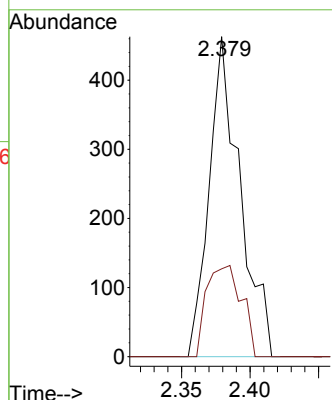
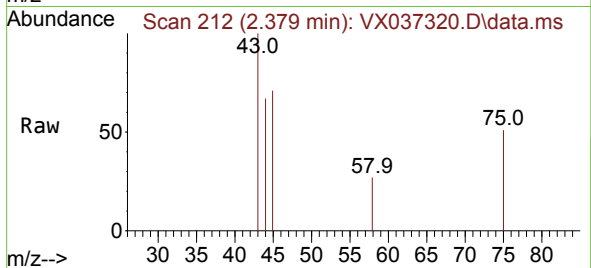




#16
Acetone
Concen: 0.870 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

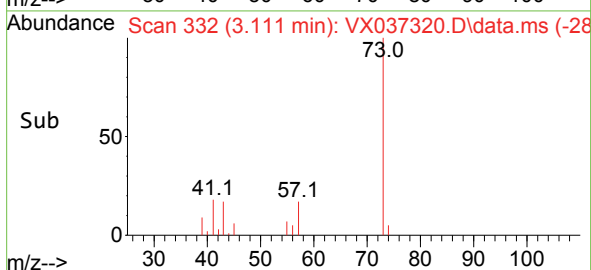
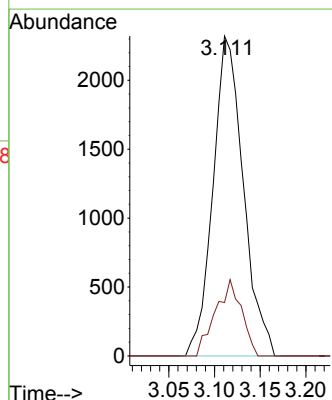
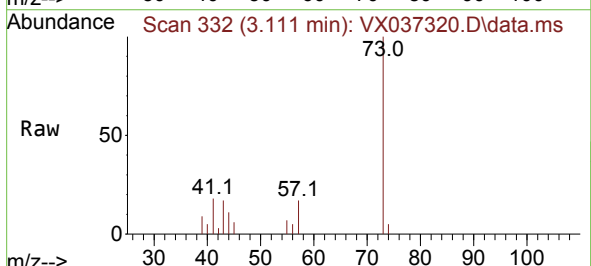
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230821

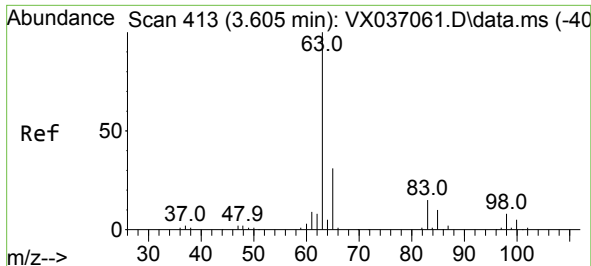
Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
58 27.4 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 0.930 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

Tgt Ion: 73 Resp: 5350
Ion Ratio Lower Upper
73 100
57 16.7 17.3 25.9#

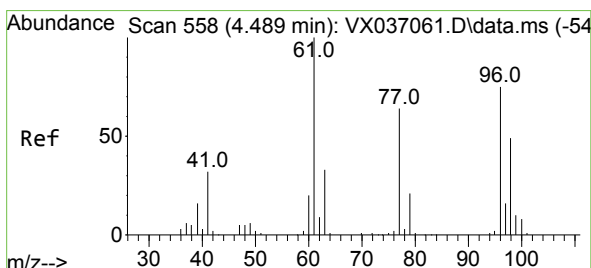
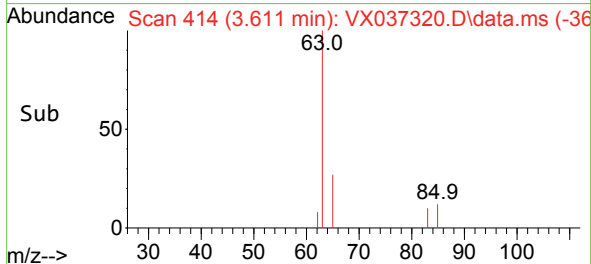
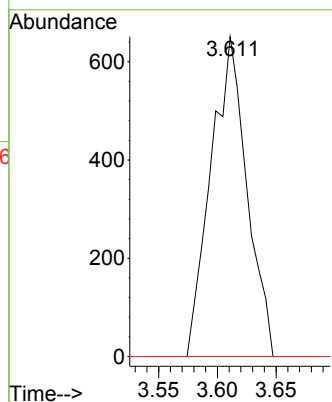
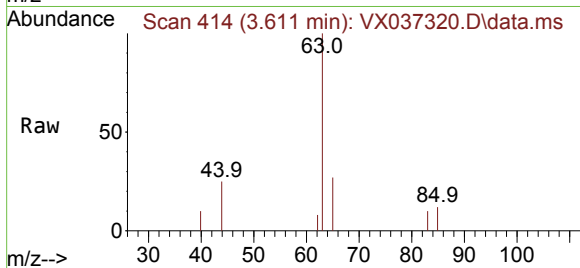




#24
1,1-Dichloroethane
Concen: 0.459 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

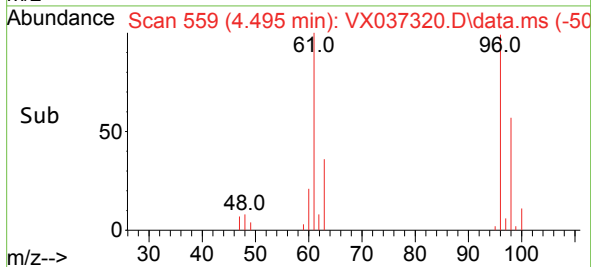
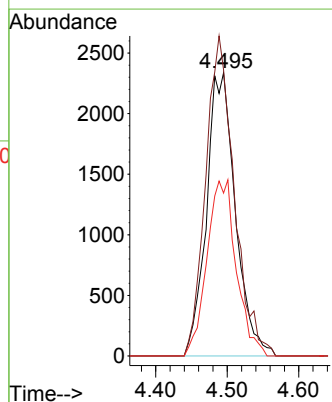
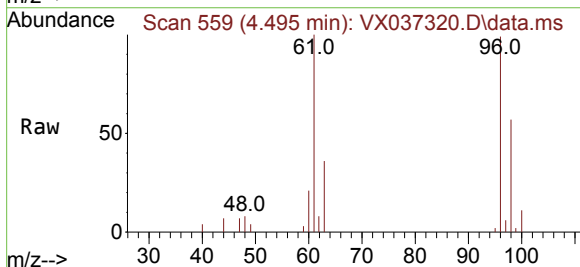
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230821

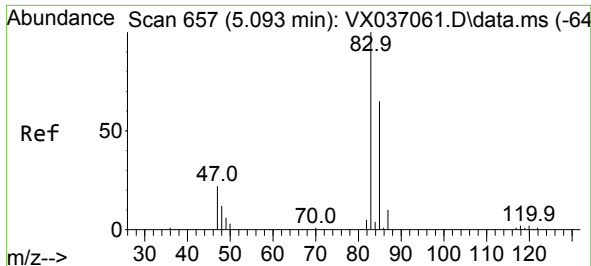
Tgt Ion: 63 Resp: 1387
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 3.230 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

Tgt Ion: 96 Resp: 6564
Ion Ratio Lower Upper
96 100
61 111.6 0.0 312.2
98 63.2 0.0 129.0

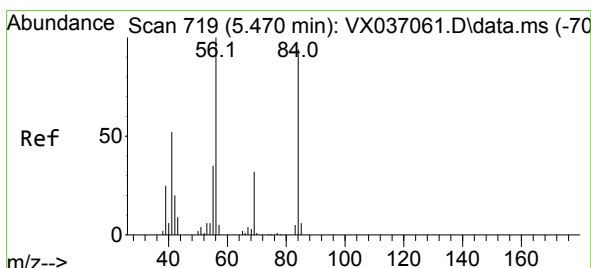
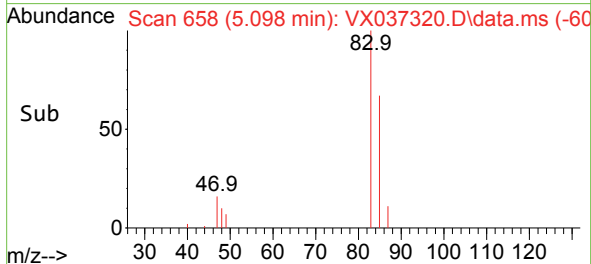
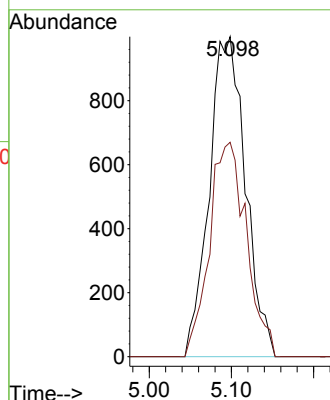
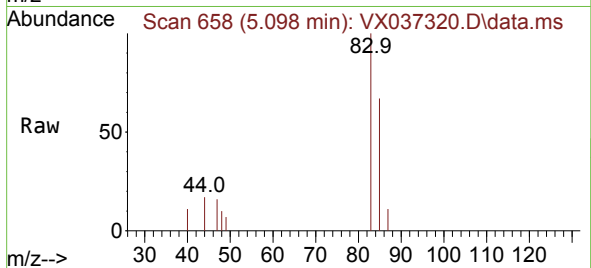




#30
Chloroform
Concen: 0.902 ug/l
RT: 5.098 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

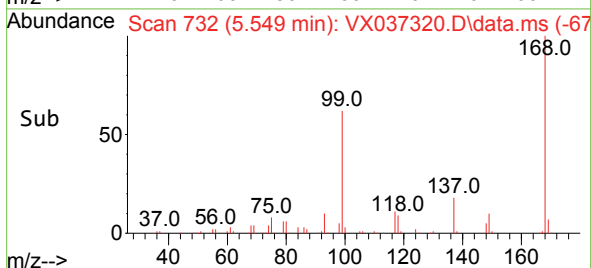
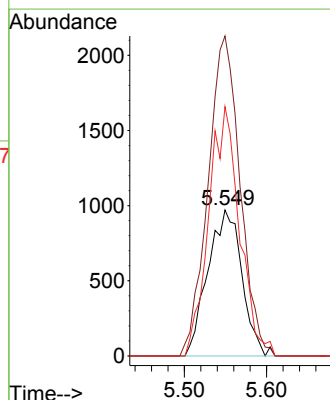
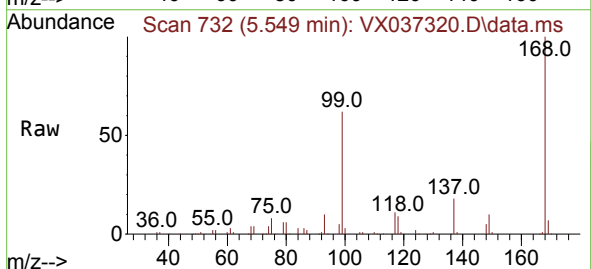
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ClientSampleId :
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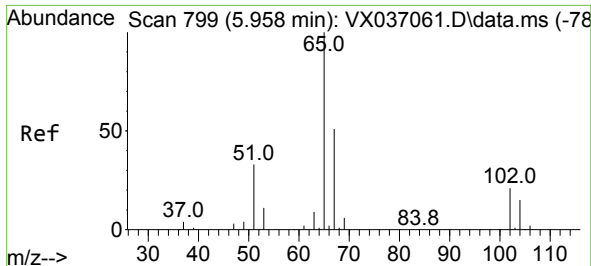
Tgt Ion: 83 Resp: 3058
Ion Ratio Lower Upper
83 100
85 67.0 50.3 75.5



#31
Cyclohexane
Concen: 1.172 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

Tgt Ion: 56 Resp: 2799
Ion Ratio Lower Upper
56 100
69 219.3 23.4 35.2#
84 170.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.154 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037320.D

Acq: 29 Aug 2023 05:09

Instrument :

MSVOA_X

ClientSampleId :

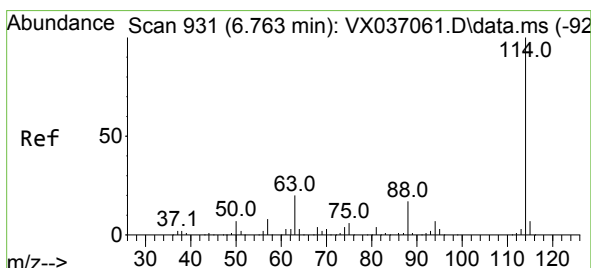
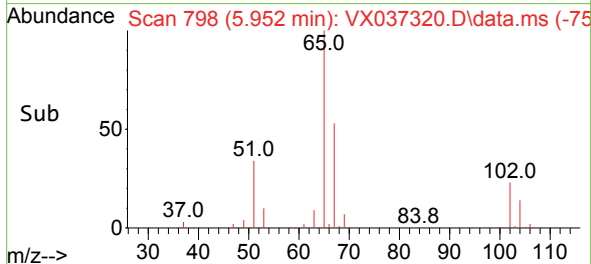
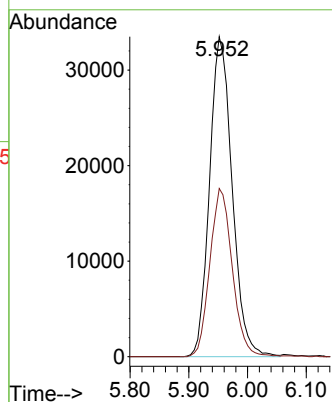
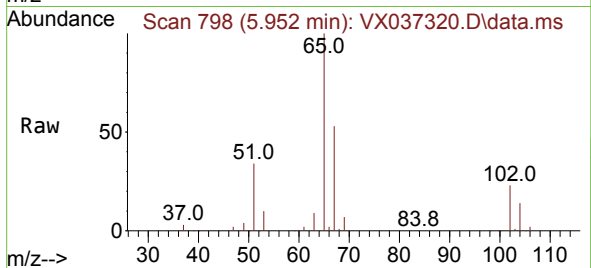
RE131D1-20230821

Tgt Ion: 65 Resp: 89538

Ion Ratio Lower Upper

65 100

67 52.3 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: VX037320.D

Acq: 29 Aug 2023 05:09

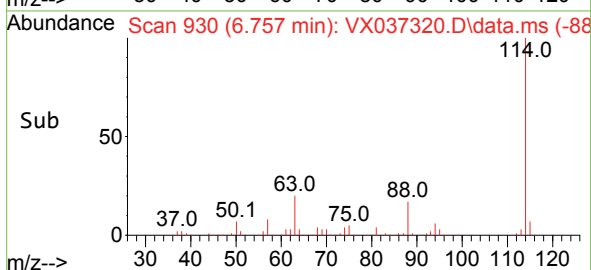
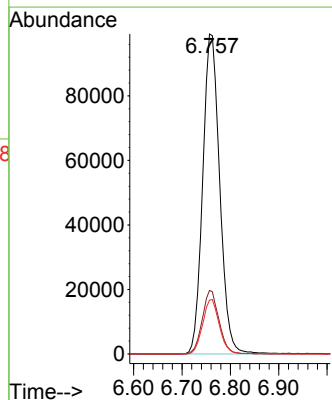
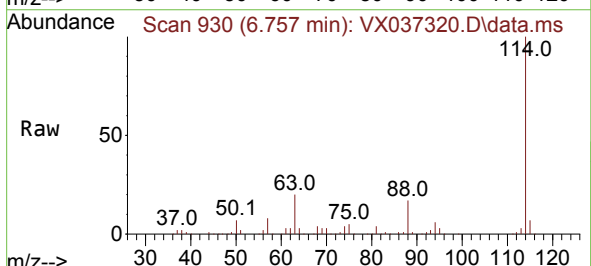
Tgt Ion: 114 Resp: 242119

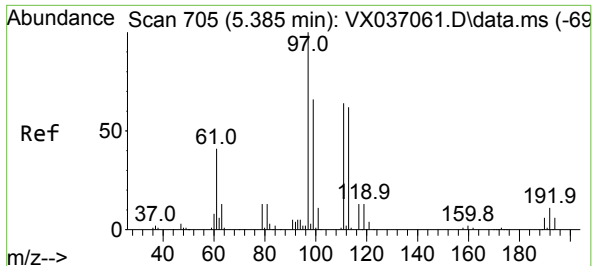
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

88 16.8 0.0 36.6

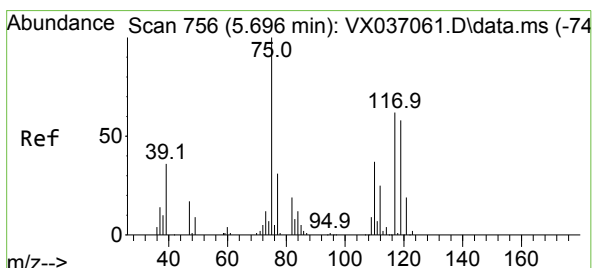
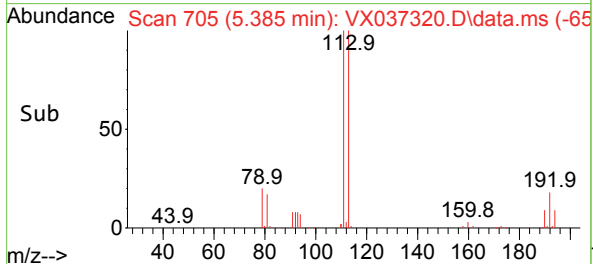
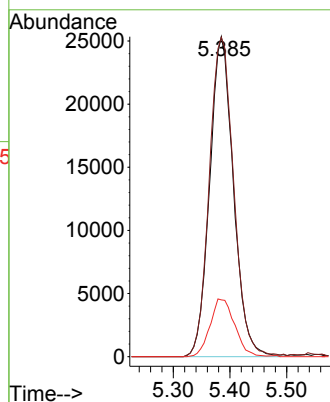
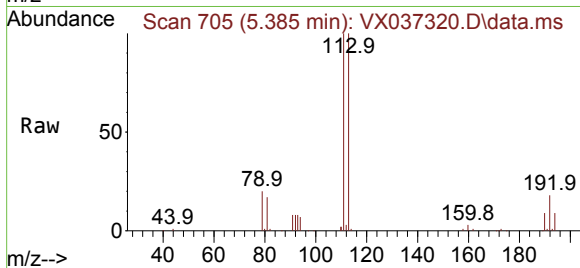




#35
 Dibromofluoromethane
 Concen: 45.867 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. -0.000 min
 Lab File: VX037320.D
 Acq: 29 Aug 2023 05:09

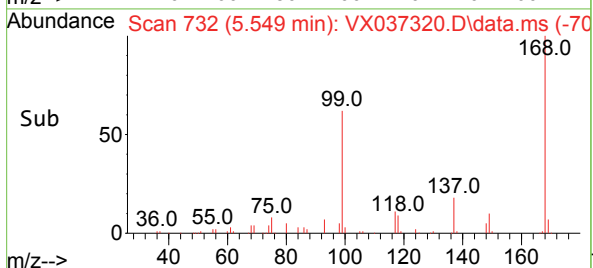
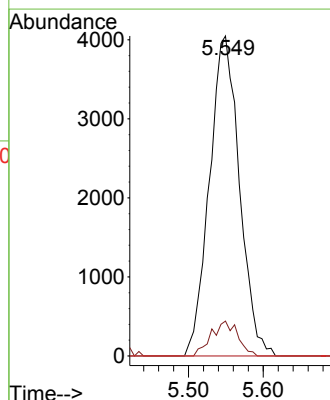
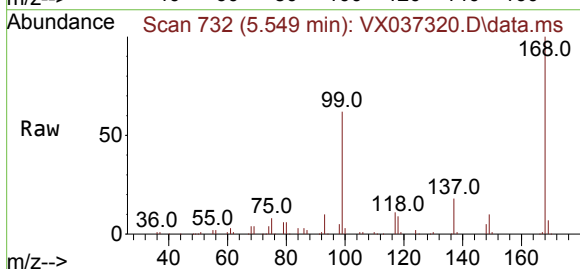
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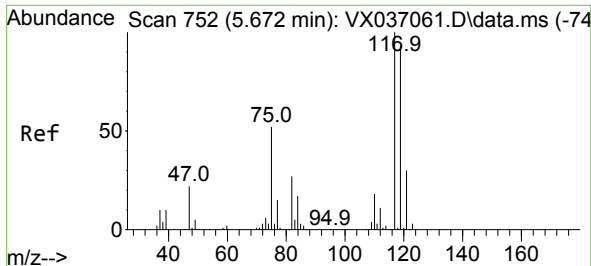
Tgt Ion:113 Resp: 73547
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 18.7 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.967 ug/l
 RT: 5.549 min Scan# 732
 Delta R.T. -0.147 min
 Lab File: VX037320.D
 Acq: 29 Aug 2023 05:09

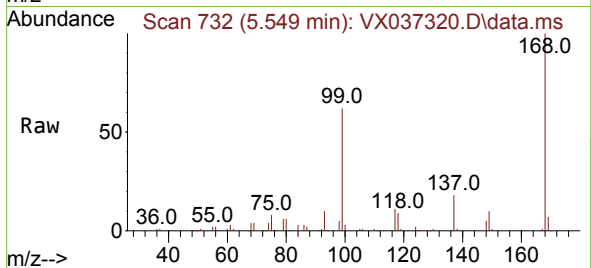
Tgt Ion: 75 Resp: 11315
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.0 50.9#
 77 0.0 24.7 37.1#



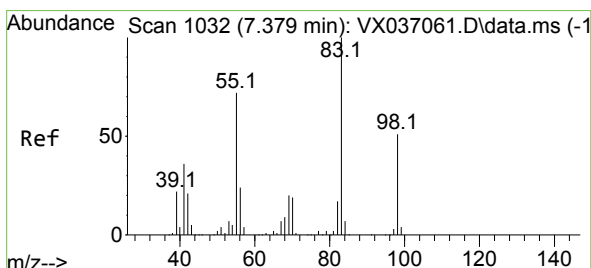
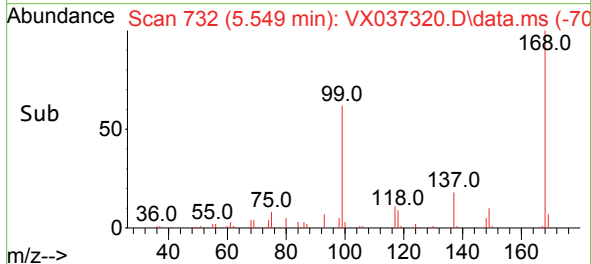
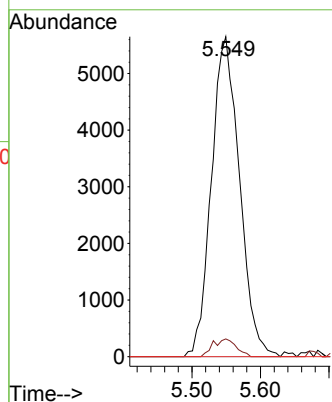


#38
Carbon Tetrachloride
Concen: 6.499 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230821

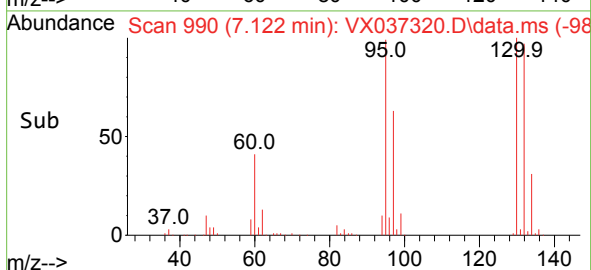
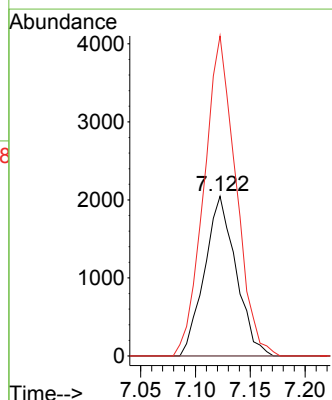
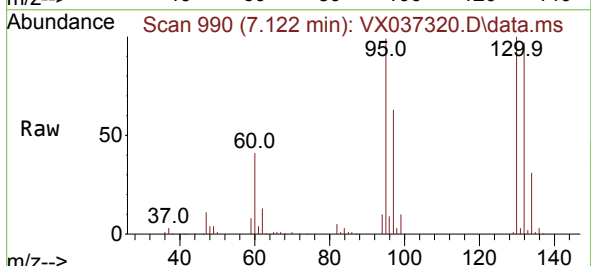


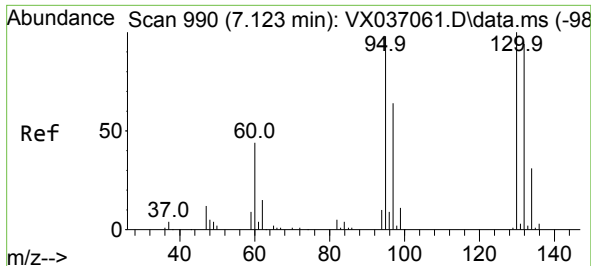
Tgt Ion:117 Resp: 16083
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 1.710 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

Tgt Ion: 83 Resp: 4092
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 200.4 36.7 55.1#

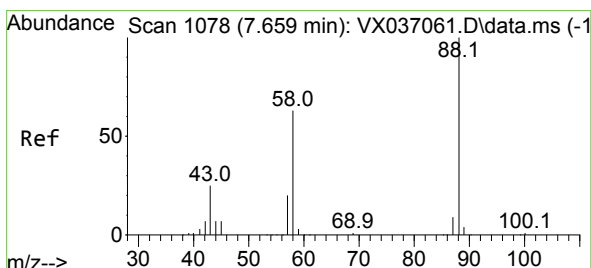
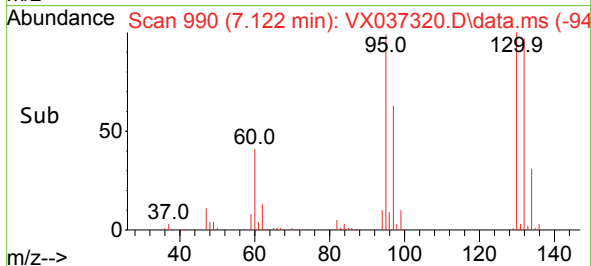
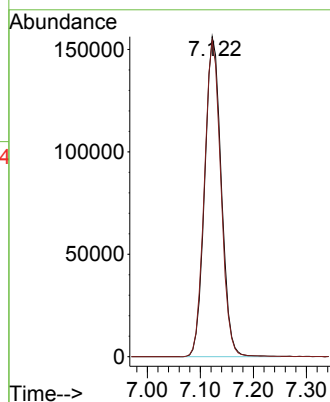
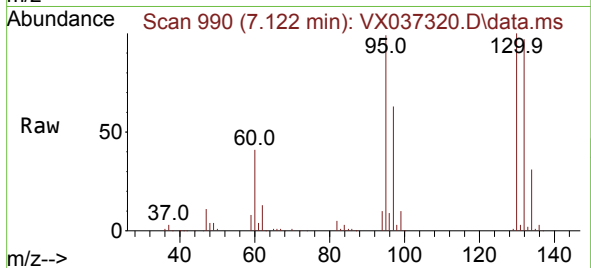




#44
Trichloroethene
Concen: 182.664 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

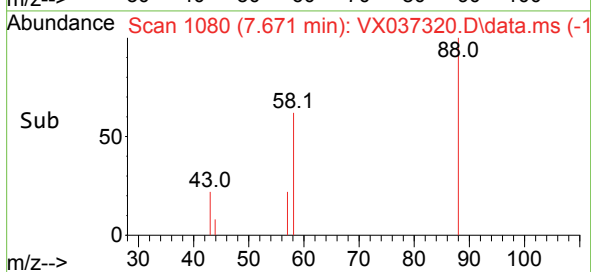
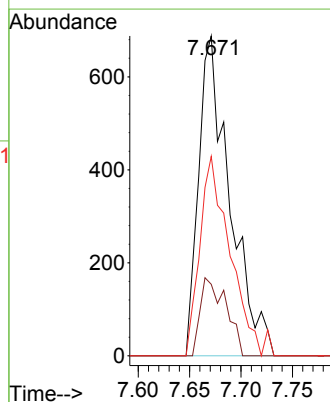
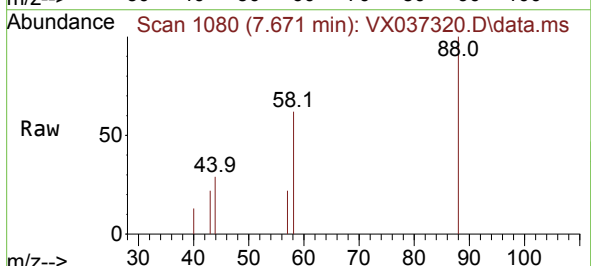
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230821

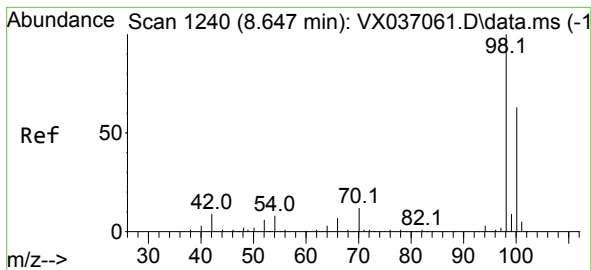
Tgt Ion:130 Resp: 338415
Ion Ratio Lower Upper
130 100
95 98.7 0.0 204.4



#49
1,4-Dioxane
Concen: 29.964 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

Tgt Ion: 88 Resp: 1454
Ion Ratio Lower Upper
88 100
43 20.1 0.0 0.0#
58 60.7 60.1 90.1





#50

Toluene-d8

Concen: 48.418 ug/l

RT: 8.646 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037320.D

Acq: 29 Aug 2023 05:09

Instrument :

MSVOA_X

ClientSampleId :

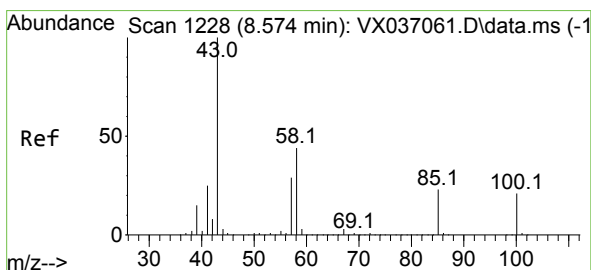
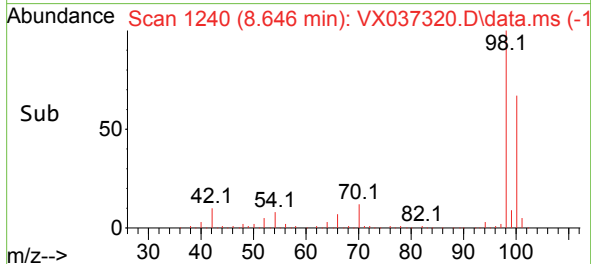
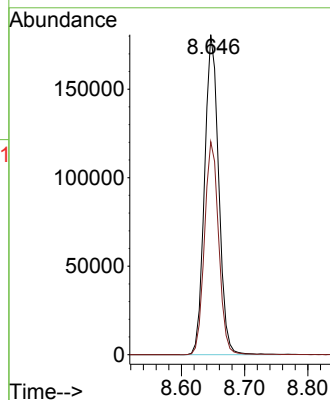
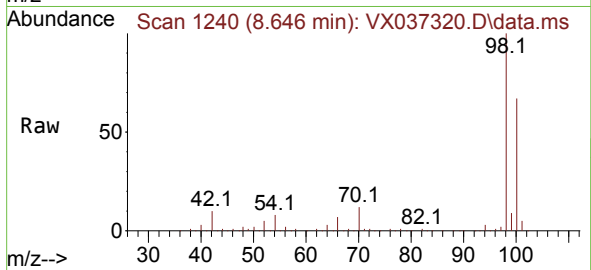
RE131D1-20230821

Tgt Ion: 98 Resp: 281624

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.458 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX037320.D

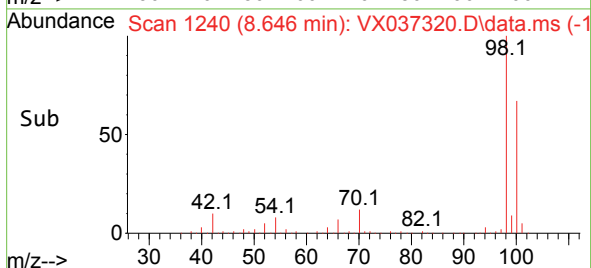
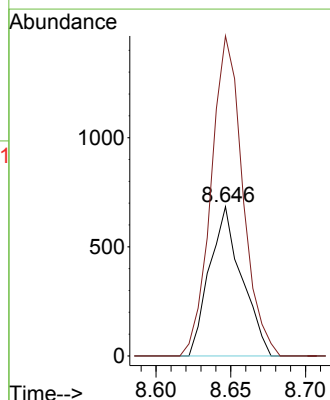
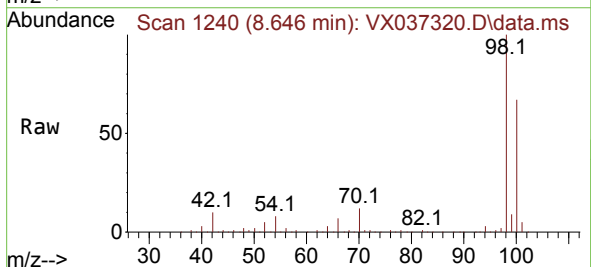
Acq: 29 Aug 2023 05:09

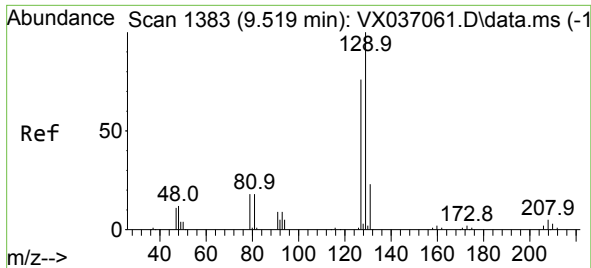
Tgt Ion: 43 Resp: 1027

Ion Ratio Lower Upper

43 100

58 210.1 30.4 45.6#

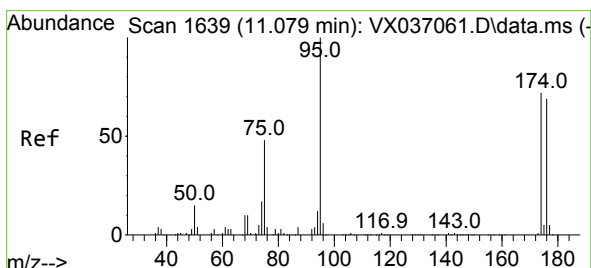
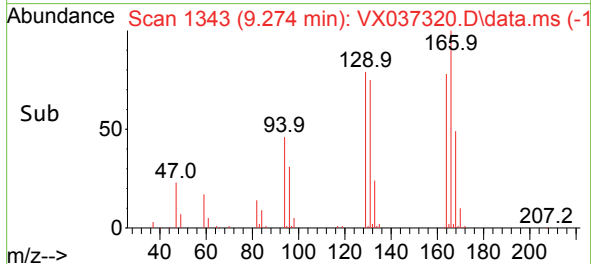
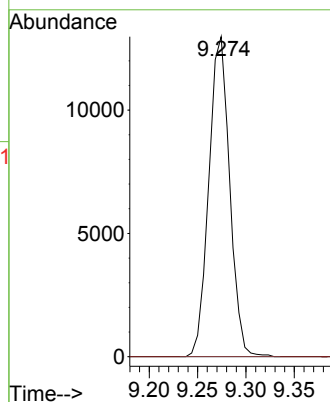
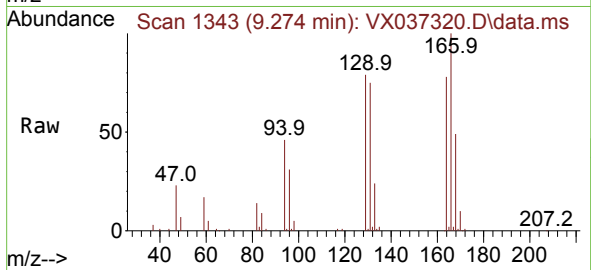




#60
Dibromochloromethane
Concen: 10.413 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

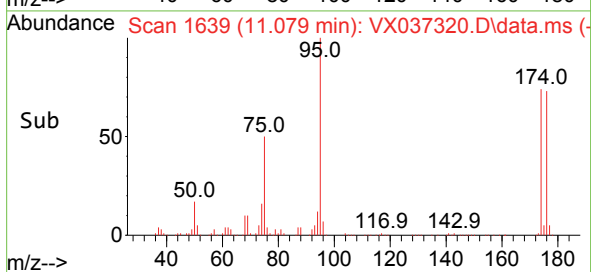
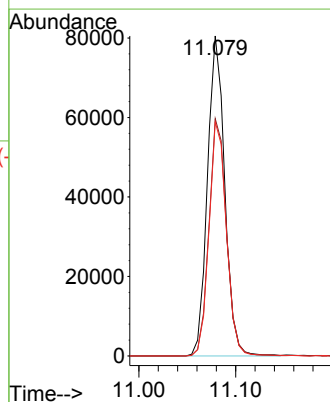
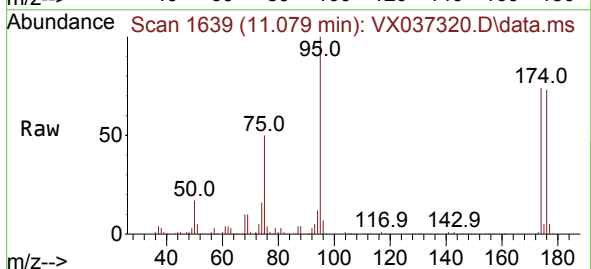
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230821

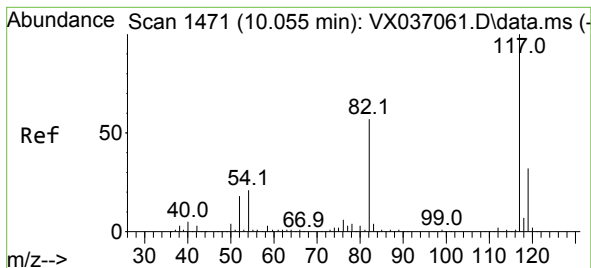
Tgt Ion:129 Resp: 19489
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 43.814 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

Tgt Ion: 95 Resp: 100150
Ion Ratio Lower Upper
95 100
174 75.2 0.0 135.6
176 73.6 0.0 131.0

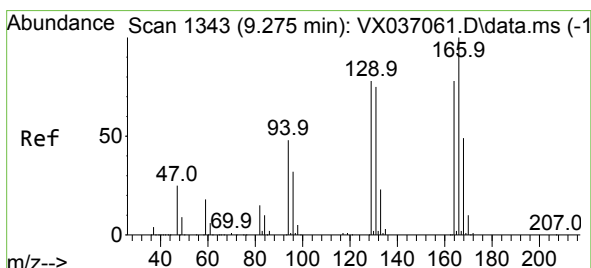
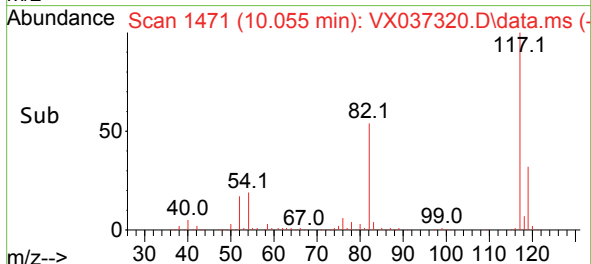
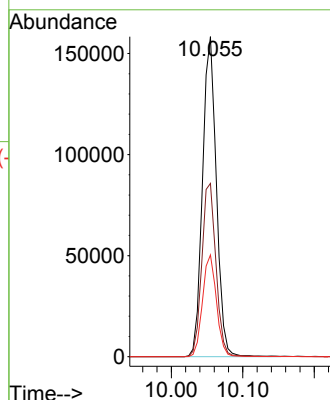
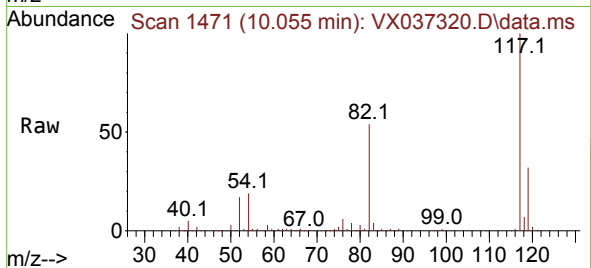




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

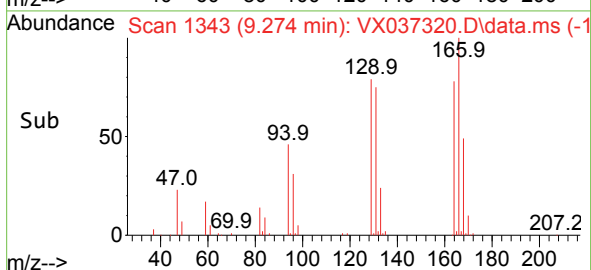
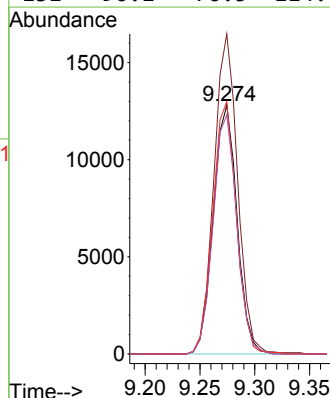
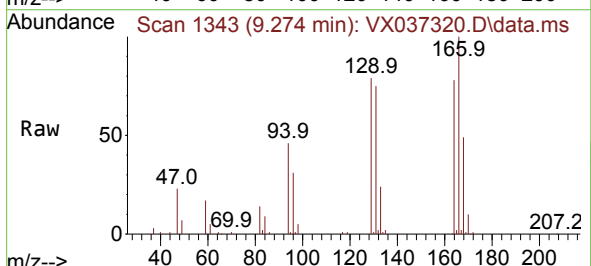
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230821

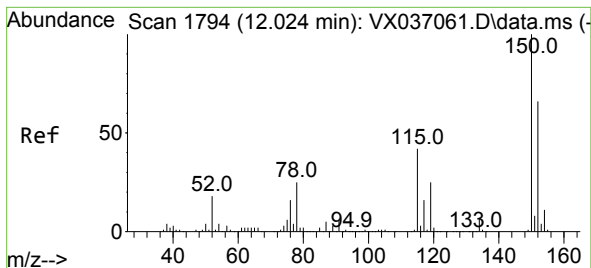
Tgt Ion:117 Resp: 212997
Ion Ratio Lower Upper
117 100
82 54.2 46.2 69.4
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 12.383 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037320.D
Acq: 29 Aug 2023 05:09

Tgt Ion:164 Resp: 19241
Ion Ratio Lower Upper
164 100
166 128.7 102.7 154.1
129 101.4 80.4 120.6
131 96.1 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: VX037320.D

Acq: 29 Aug 2023 05:09

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20230821

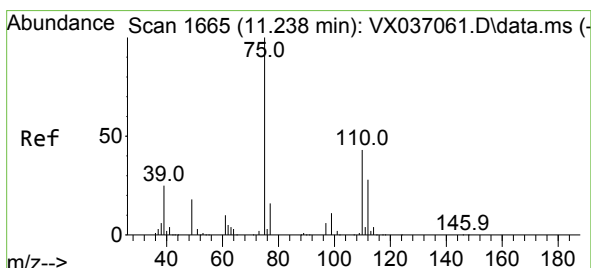
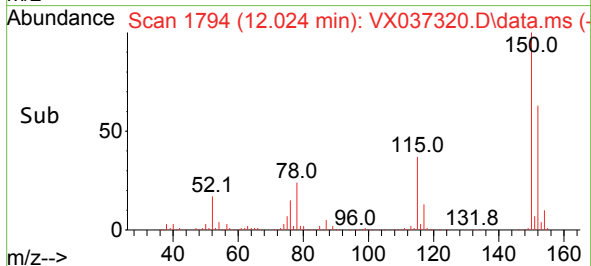
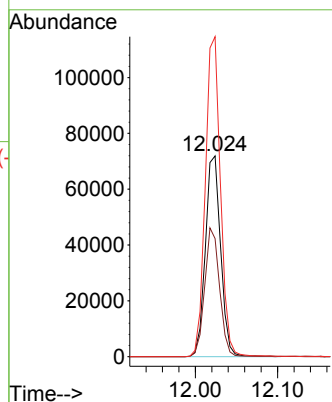
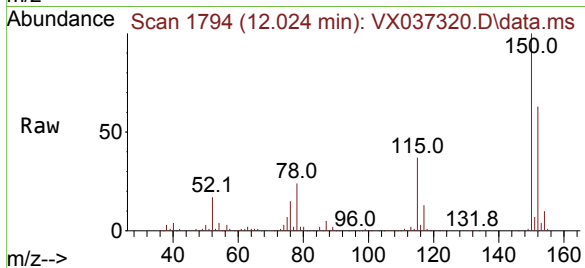
Tgt Ion:152 Resp: 92955

Ion Ratio Lower Upper

152 100

115 62.5 43.3 129.9

150 157.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.400 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037320.D

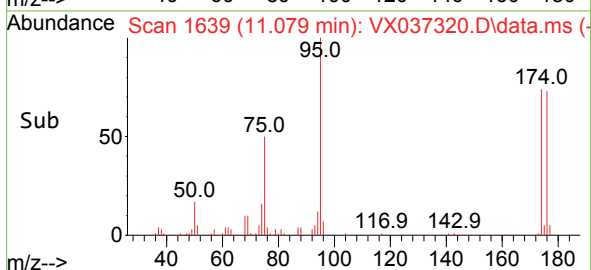
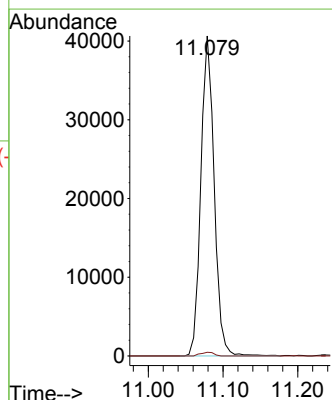
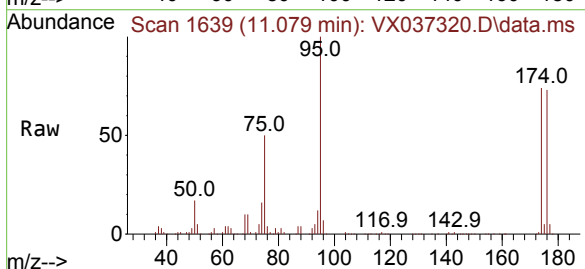
Acq: 29 Aug 2023 05:09

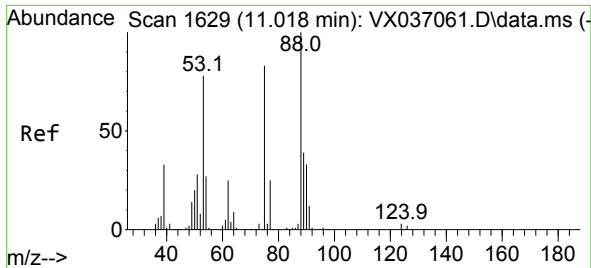
Tgt Ion: 75 Resp: 50282

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.942 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037320.D
 Acq: 29 Aug 2023 05:09

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20230821

Tgt Ion: 75 Resp: 50282
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

