

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037323.D
 Acq On : 29 Aug 2023 06:22
 Operator : JC/MD
 Sample : 04126-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20230821

Quant Time: Aug 29 07:22:02 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)

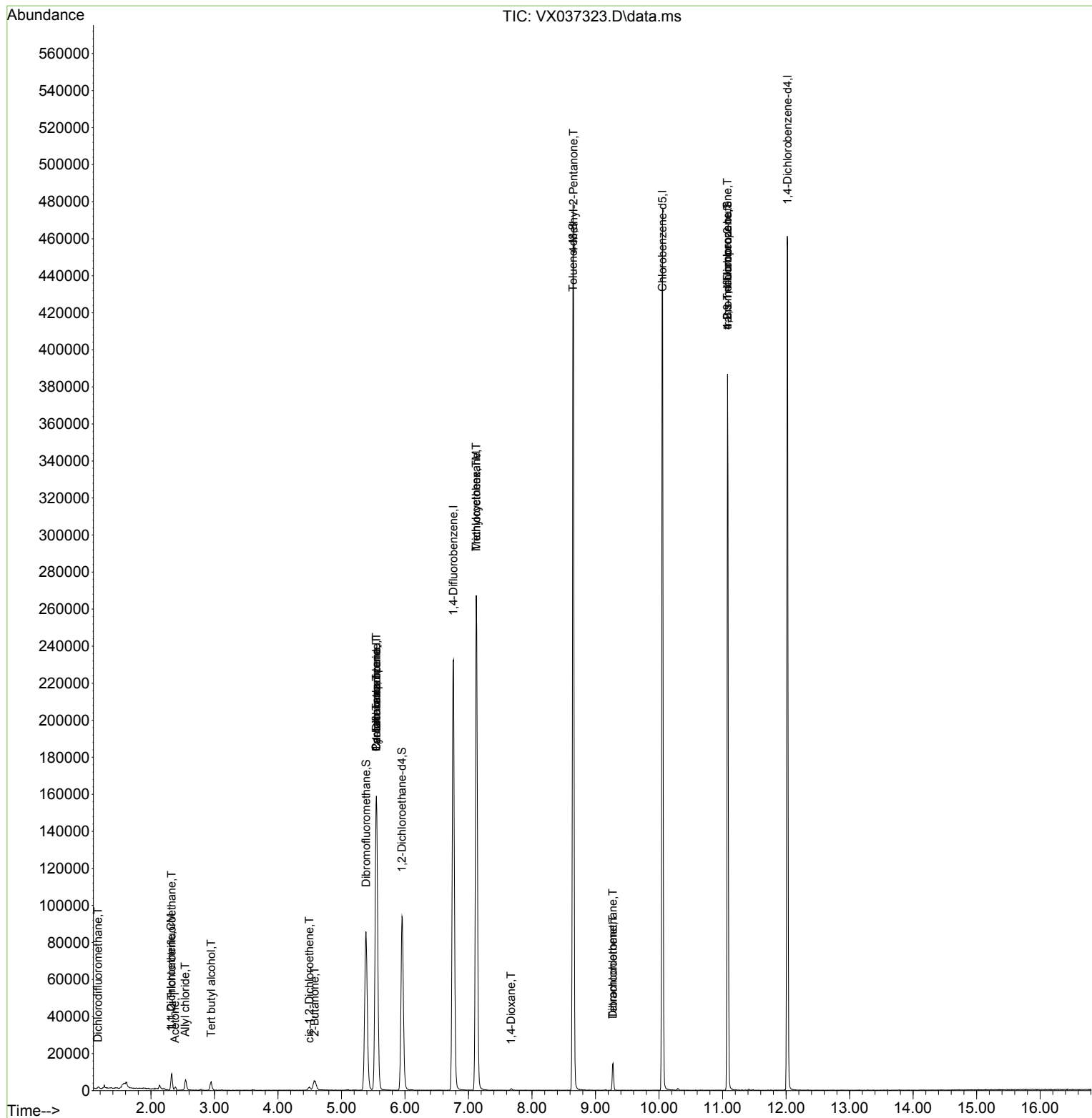
Internal Standards						
1) Pentafluorobenzene	5.549	168	151529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	249303	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93810	42.942	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.880%		
35) Dibromofluoromethane	5.385	113	76599	46.393	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.780%		
50) Toluene-d8	8.646	98	291842	48.729	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.460%		
62) 4-Bromofluorobenzene	11.079	95	107218	45.554	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	413	0.235	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.324	101	3126	1.952	ug/l	96
11) Tert butyl alcohol	2.946	59	2751	5.368	ug/l #	78
12) 1,1-Dichloroethene	2.318	96	608	0.390	ug/l #	66
14) Allyl chloride	2.538	41	628	0.260	ug/l #	65
16) Acetone	2.379	43	1651	1.932	ug/l #	69
25) 2-Butanone	4.574	43	267	0.207	ug/l #	51
27) cis-1,2-Dichloroethene	4.495	96	1215	0.581	ug/l	84
31) Cyclohexane	5.549	56	2856	1.163	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	11863	5.057	ug/l #	51
38) Carbon Tetrachloride	5.549	117	16162	6.343	ug/l #	15
39) Methylcyclohexane	7.122	83	1152	0.467	ug/l #	1
44) Trichloroethene	7.122	130	107056	56.120	ug/l	99
49) 1,4-Dioxane	7.671	88	828	16.572	ug/l #	68
51) 4-Methyl-2-Pentanone	8.652	43	1054	0.456	ug/l #	1
60) Dibromochloromethane	9.274	129	2893	1.501	ug/l #	11
64) Tetrachloroethene	9.274	164	3055	1.889	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	53818	25.038	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	53818	69.932	ug/l #	5

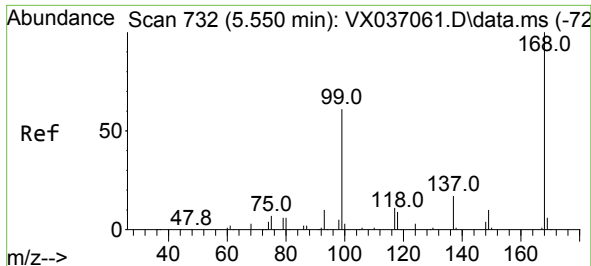
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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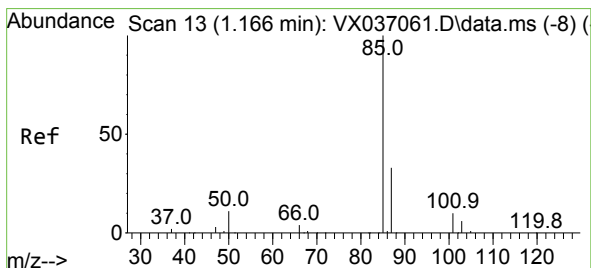
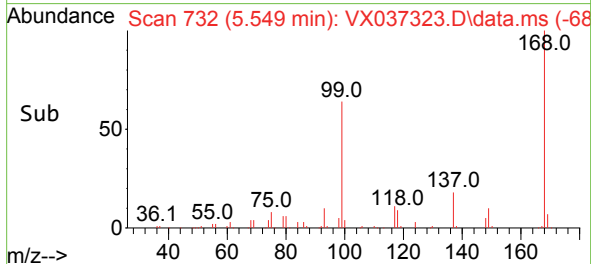
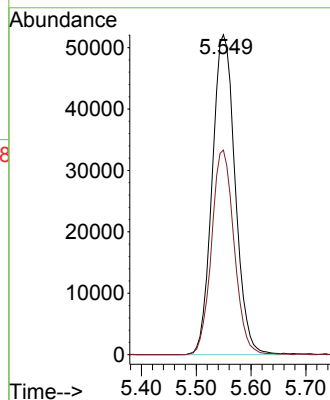
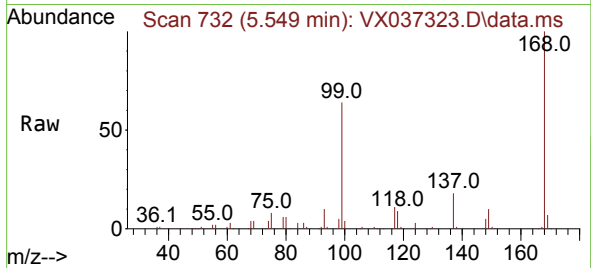




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

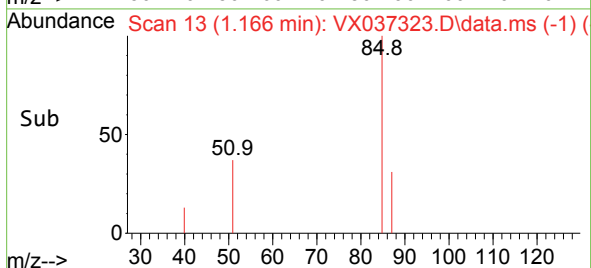
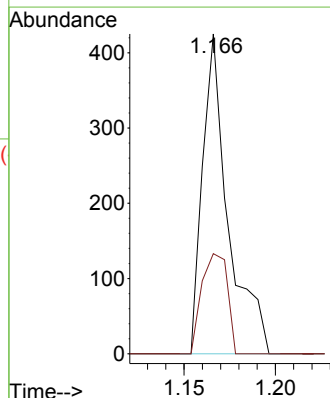
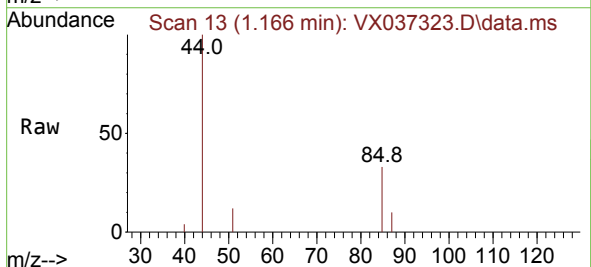
Instrument :
MSVOA_X
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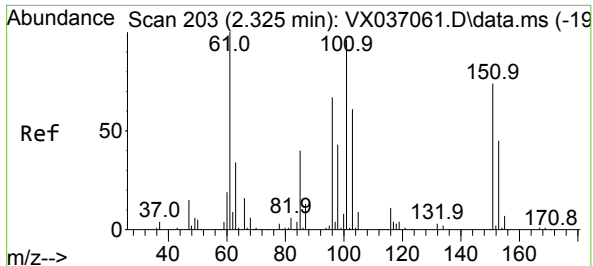
Tgt Ion:168 Resp: 151529
Ion Ratio Lower Upper
168 100
99 63.9 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.235 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

Tgt Ion: 85 Resp: 413
Ion Ratio Lower Upper
85 100
87 31.3 16.7 50.1

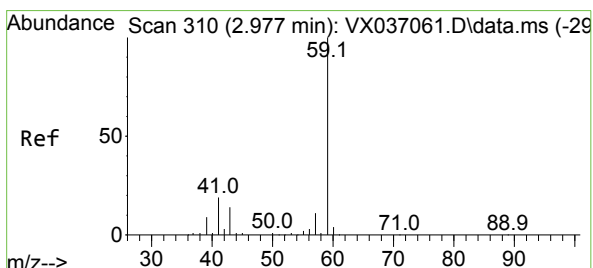
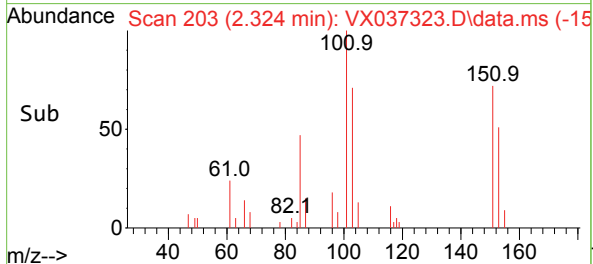
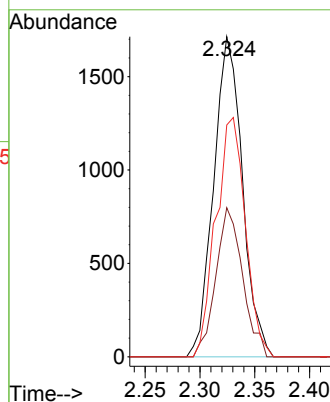
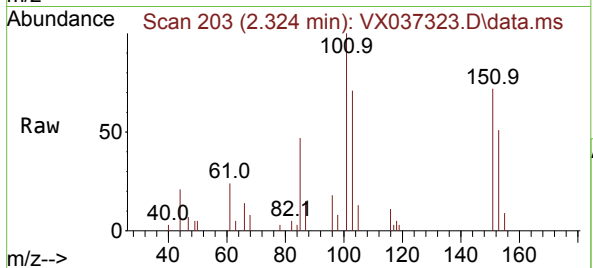




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.952 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

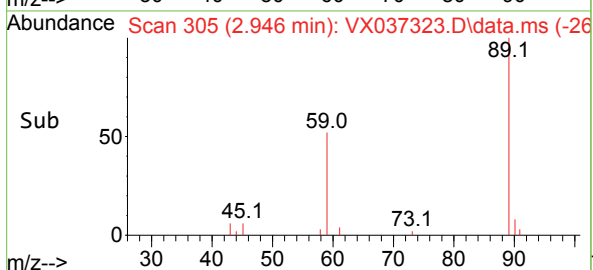
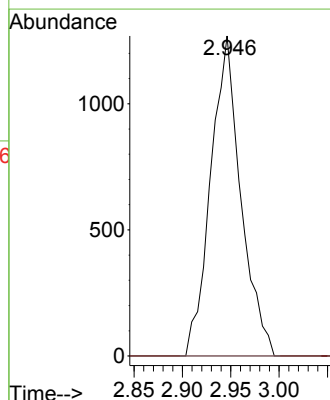
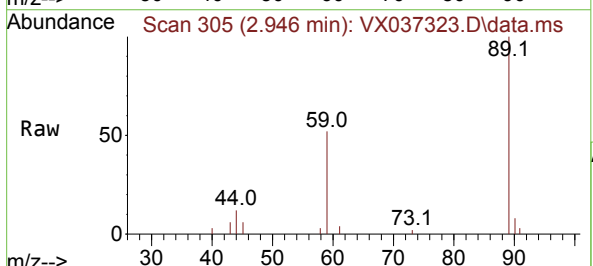
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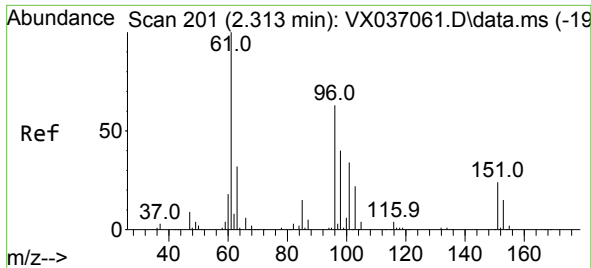
Tgt Ion:101 Resp: 3126
Ion Ratio Lower Upper
101 100
85 43.4 37.0 55.6
151 76.4 58.6 87.8



#11
Tert butyl alcohol
Concen: 5.368 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

Tgt Ion: 59 Resp: 2751
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

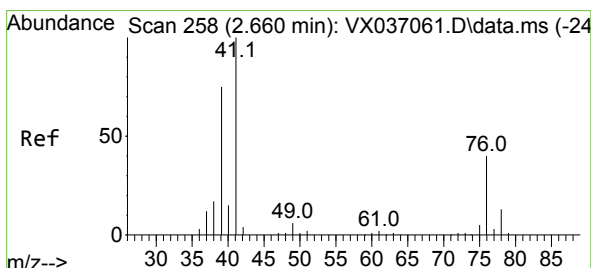
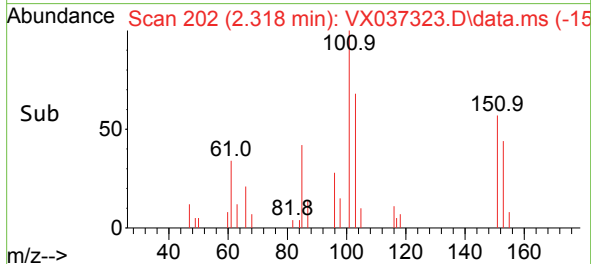
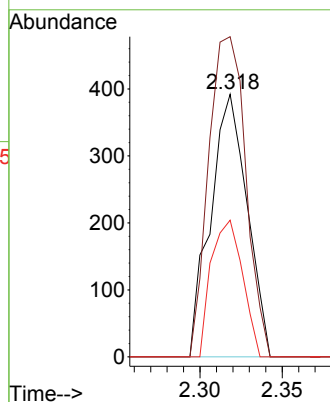
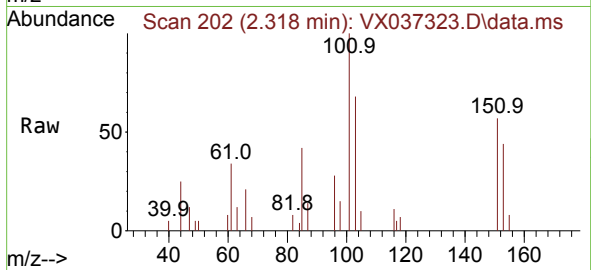




#12
 1,1-Dichloroethene
 Concen: 0.390 ug/l
 RT: 2.318 min Scan# 201
 Delta R.T. 0.006 min
 Lab File: VX037323.D
 Acq: 29 Aug 2023 06:22

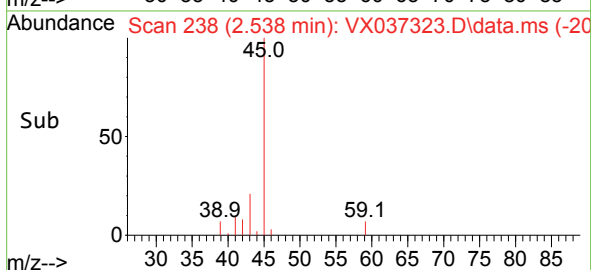
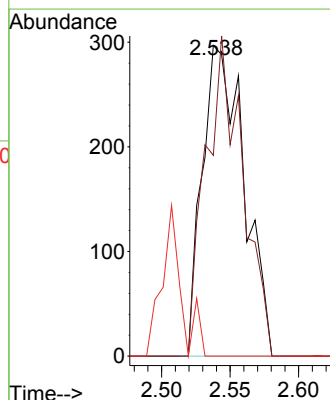
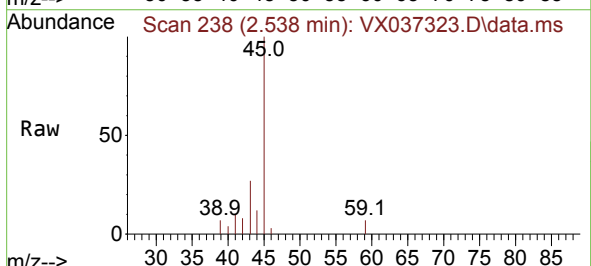
Instrument :
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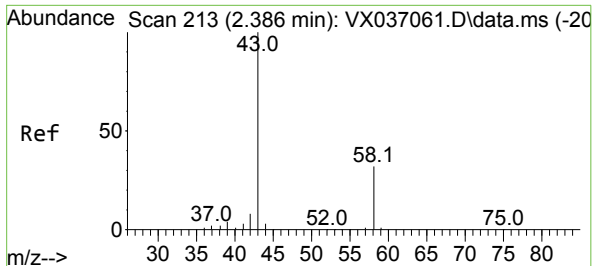
Tgt Ion: 96 Resp: 608
 Ion Ratio Lower Upper
 96 100
 61 121.9 144.6 216.8#
 98 52.0 50.4 75.6



#14
 Allyl chloride
 Concen: 0.260 ug/l
 RT: 2.538 min Scan# 238
 Delta R.T. -0.122 min
 Lab File: VX037323.D
 Acq: 29 Aug 2023 06:22

Tgt Ion: 41 Resp: 628
 Ion Ratio Lower Upper
 41 100
 39 91.2 55.8 83.6#
 76 0.0 24.3 36.5#

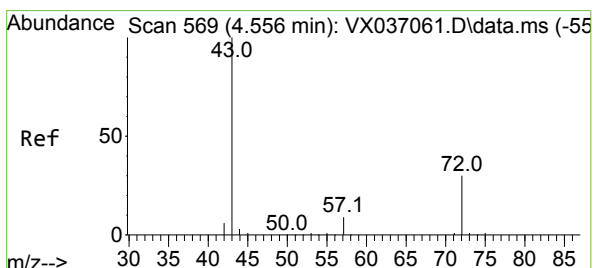
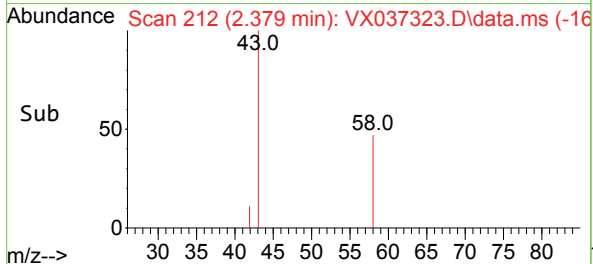
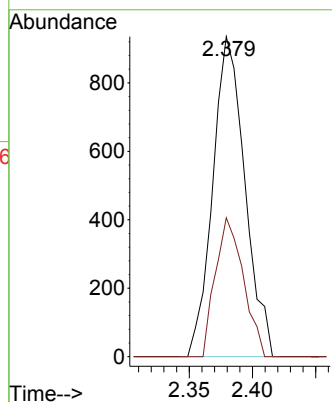
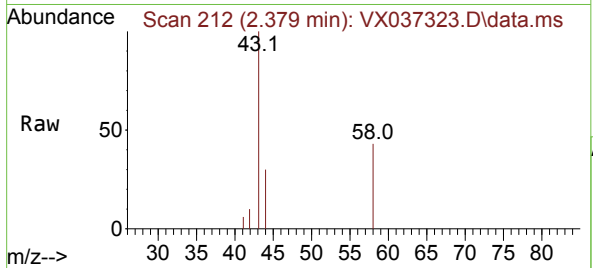




#16
Acetone
Concen: 1.932 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

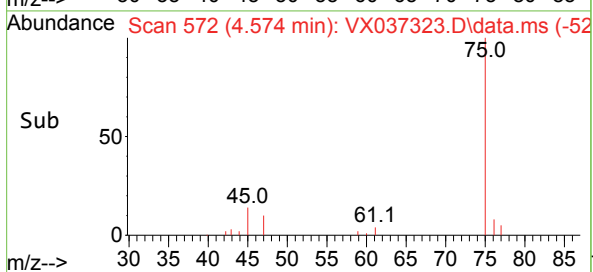
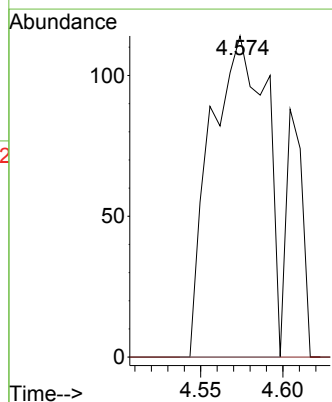
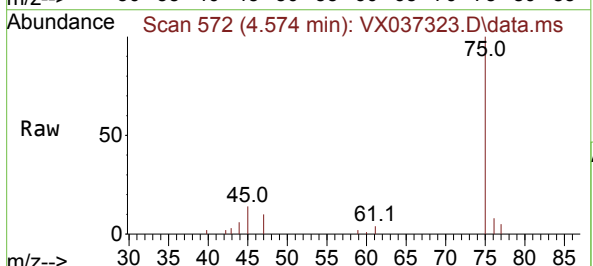
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20230821

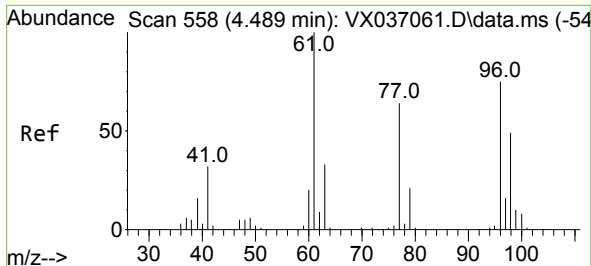
Tgt Ion: 43 Resp: 1651
Ion Ratio Lower Upper
43 100
58 43.4 21.9 32.9#



#25
2-Butanone
Concen: 0.207 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

Tgt Ion: 43 Resp: 267
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#

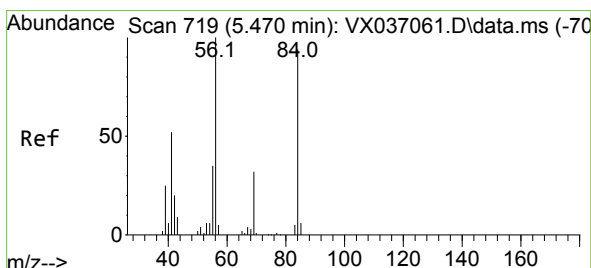
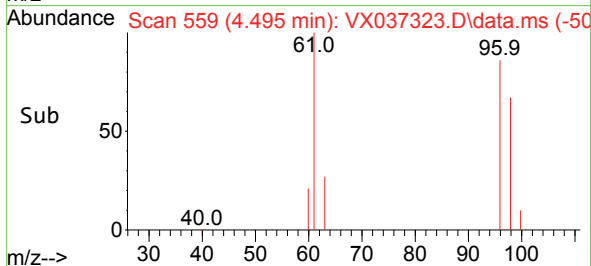
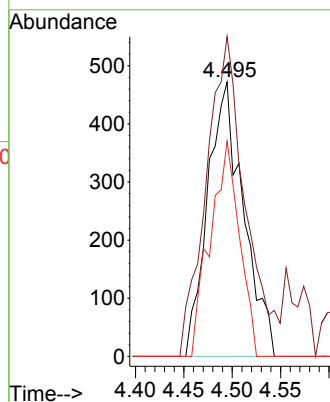
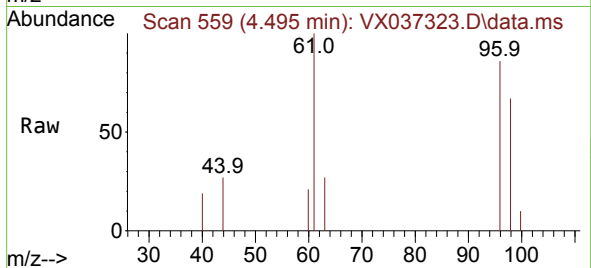




#27
 cis-1,2-Dichloroethene
 Concen: 0.581 ug/l
 RT: 4.495 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VX037323.D
 Acq: 29 Aug 2023 06:22

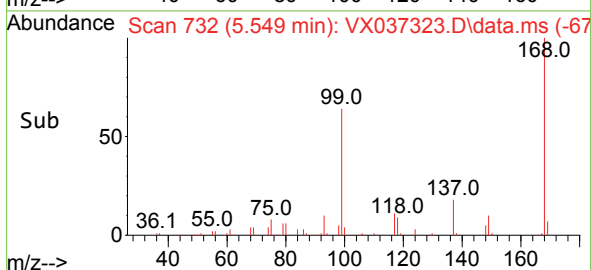
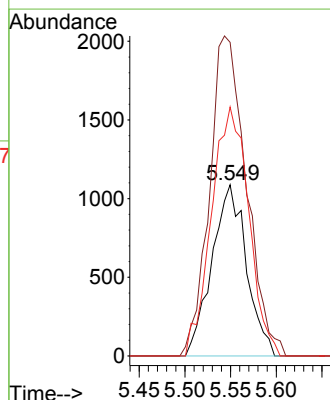
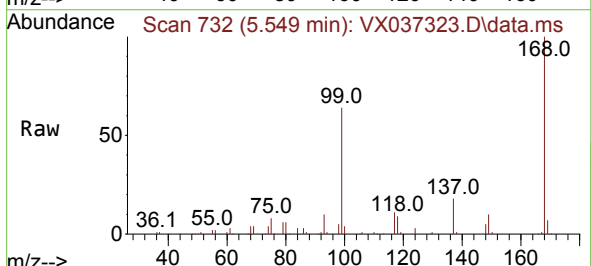
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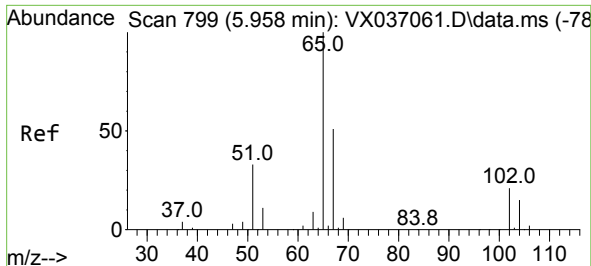
Tgt Ion: 96	Resp:	1215	
Ion	Ratio	Lower	Upper
96	100		
61	127.1	0.0	312.2
98	64.0	0.0	129.0



#31
 Cyclohexane
 Concen: 1.163 ug/l
 RT: 5.549 min Scan# 732
 Delta R.T. 0.079 min
 Lab File: VX037323.D
 Acq: 29 Aug 2023 06:22

Tgt Ion: 56	Resp:	2856	
Ion	Ratio	Lower	Upper
56	100		
69	183.2	23.4	35.2#
84	145.4	65.9	98.9#

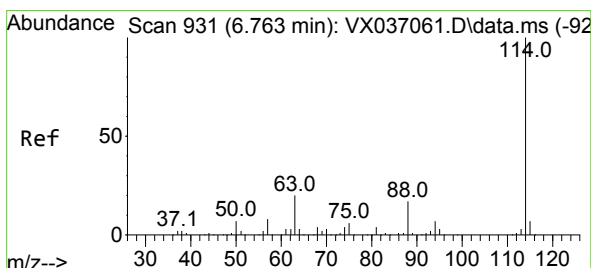
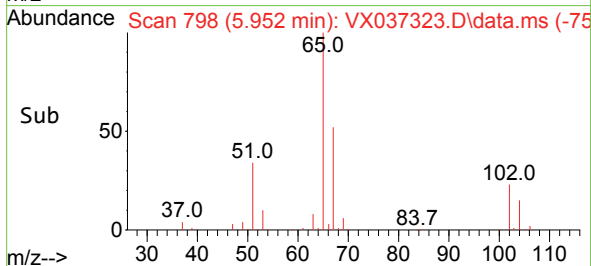
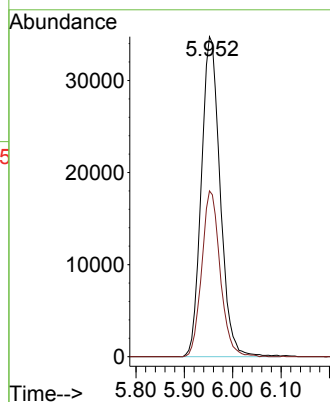
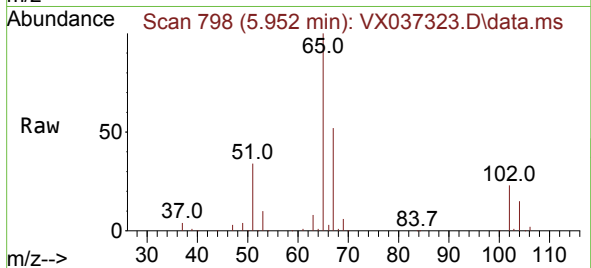




#33
1,2-Dichloroethane-d4
Concen: 42.942 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

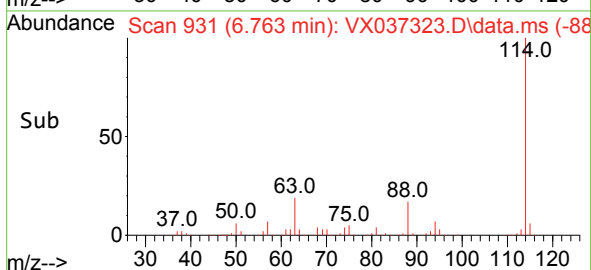
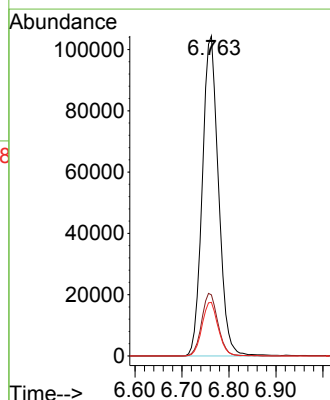
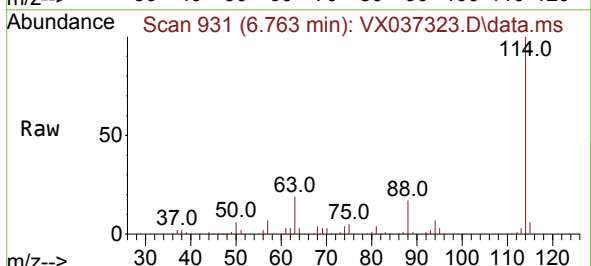
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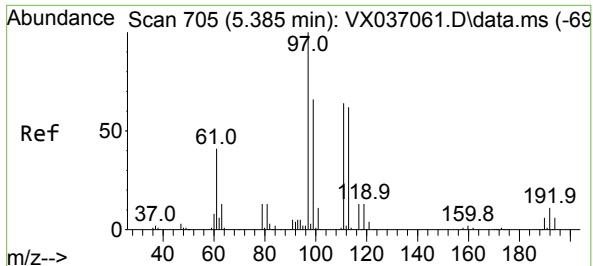
Tgt Ion: 65 Resp: 93810
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

Tgt Ion: 114 Resp: 249303
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 16.7 0.0 36.6

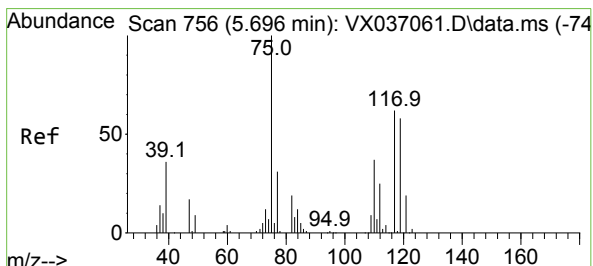
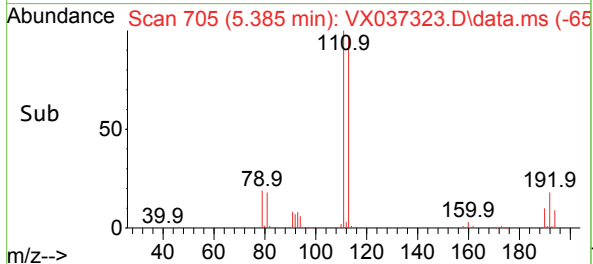
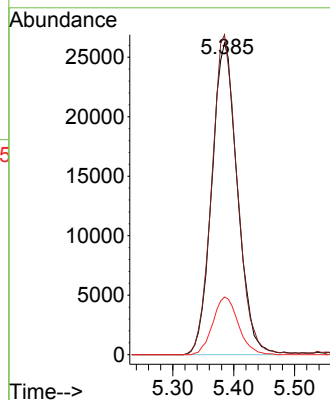
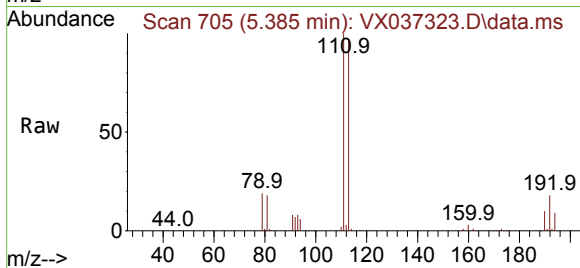




#35
Dibromofluoromethane
Concen: 46.393 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

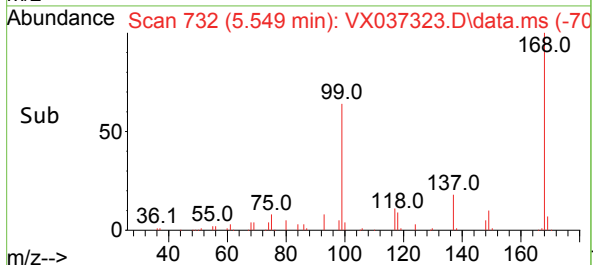
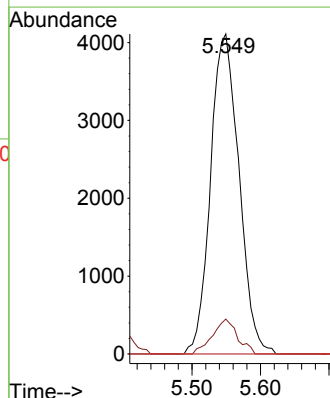
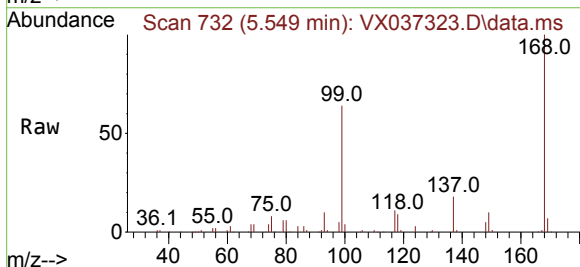
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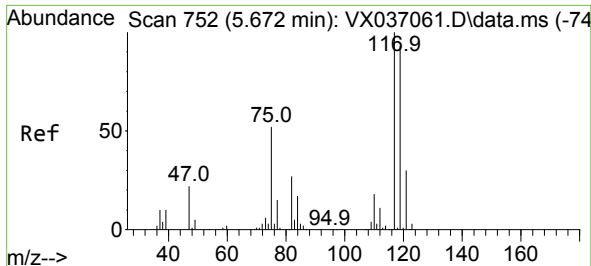
Tgt Ion:113 Resp: 76599
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 18.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.057 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.147 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

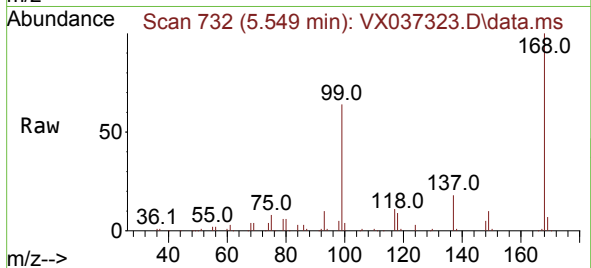
Tgt Ion: 75 Resp: 11863
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



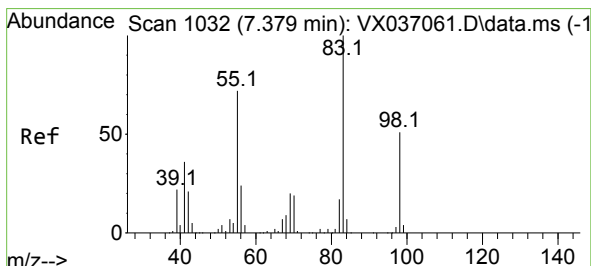
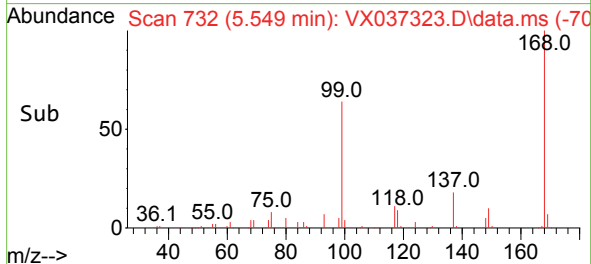
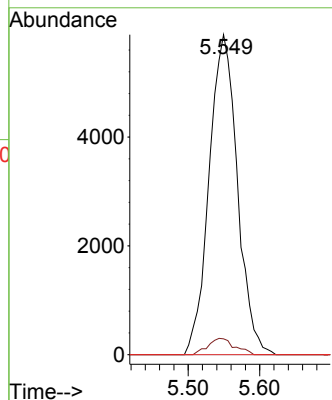


#38
Carbon Tetrachloride
Concen: 6.343 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20230821

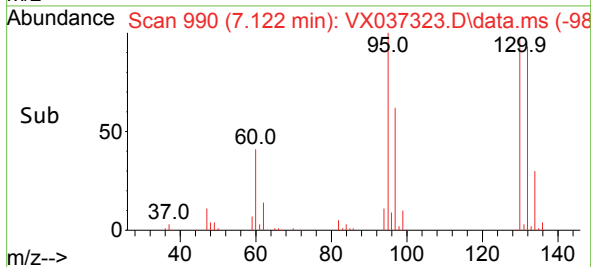
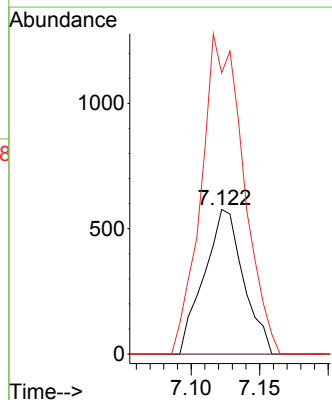
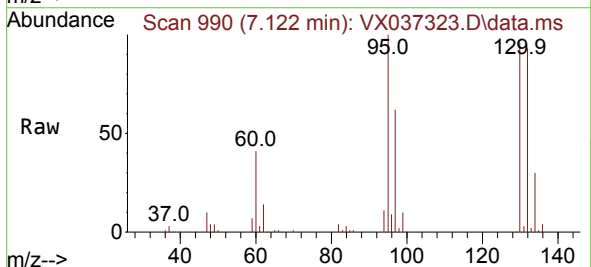


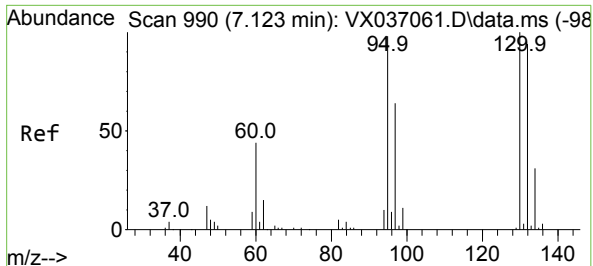
Tgt Ion:117 Resp: 16162
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.467 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

Tgt Ion: 83 Resp: 1152
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 194.3 36.7 55.1#

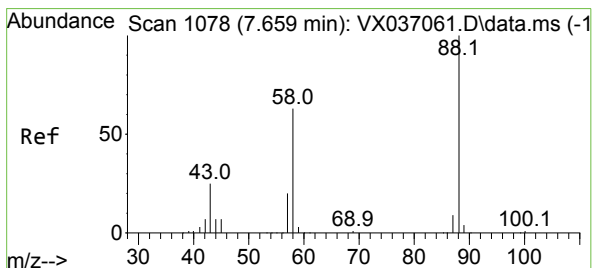
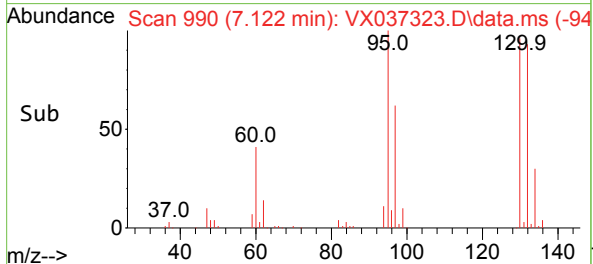
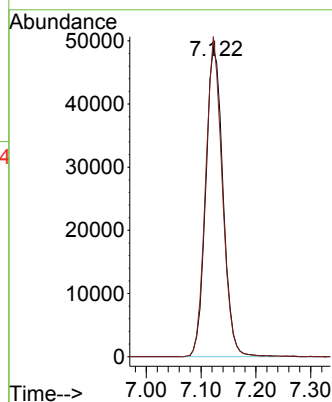
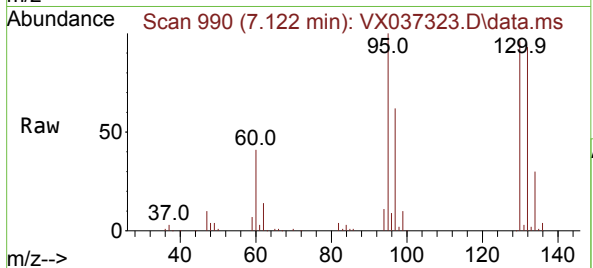




#44
Trichloroethene
Concen: 56.120 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

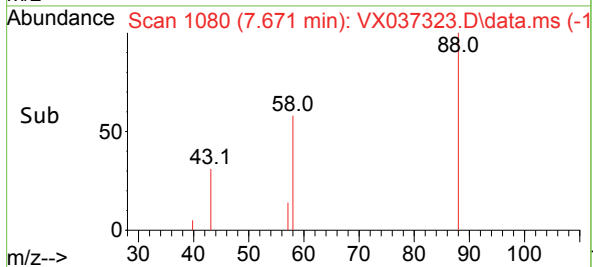
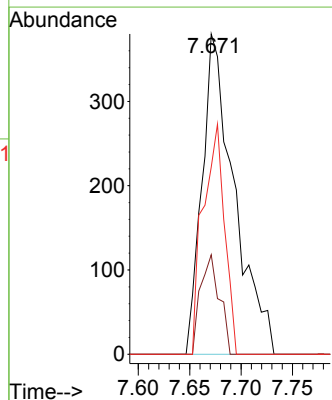
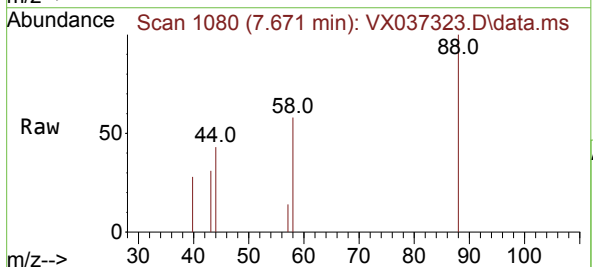
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20230821

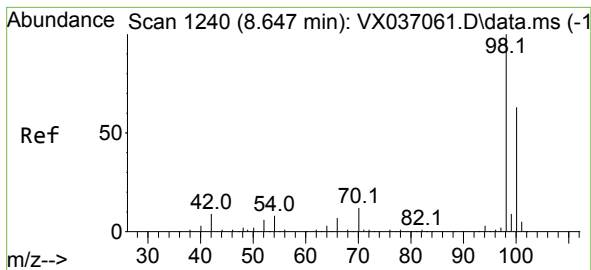
Tgt Ion:130 Resp: 107056
Ion Ratio Lower Upper
130 100
95 103.7 0.0 204.4



#49
1,4-Dioxane
Concen: 16.572 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

Tgt Ion: 88 Resp: 828
Ion Ratio Lower Upper
88 100
43 18.4 0.0 0.0#
58 47.8 60.1 90.1#





#50

Toluene-d8

Concen: 48.729 ug/l

RT: 8.646 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037323.D

Acq: 29 Aug 2023 06:22

Instrument :

MSVOA_X

ClientSampleId :

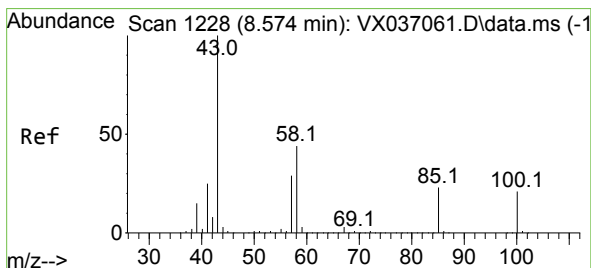
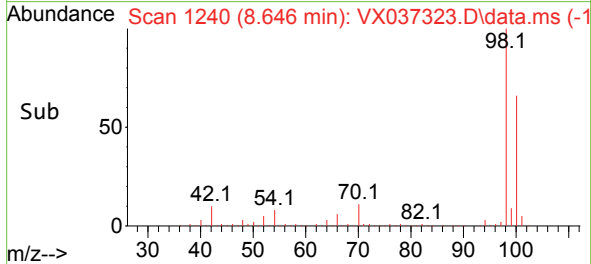
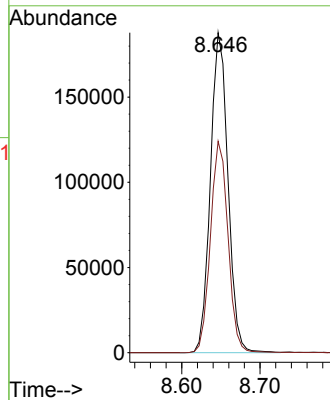
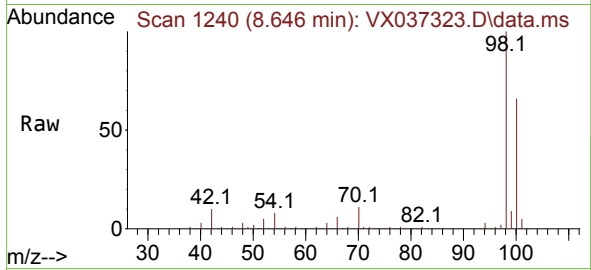
RE132D3-20230821

Tgt Ion: 98 Resp: 291842

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.456 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX037323.D

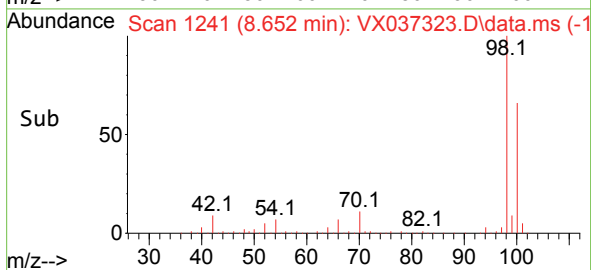
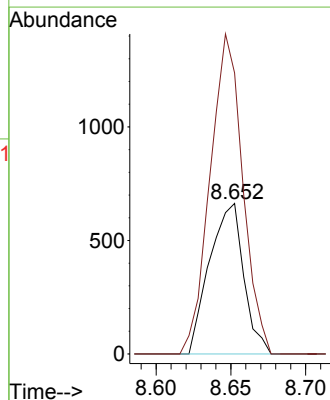
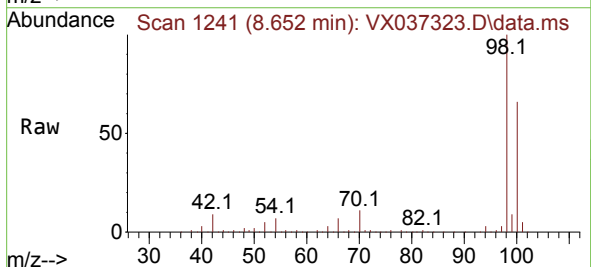
Acq: 29 Aug 2023 06:22

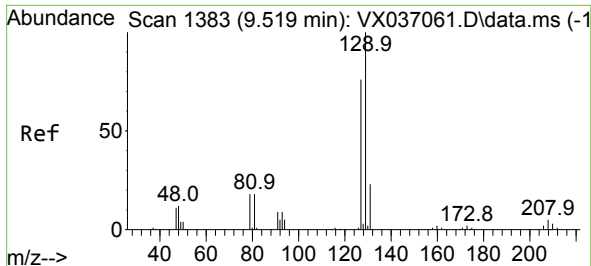
Tgt Ion: 43 Resp: 1054

Ion Ratio Lower Upper

43 100

58 203.0 30.4 45.6#

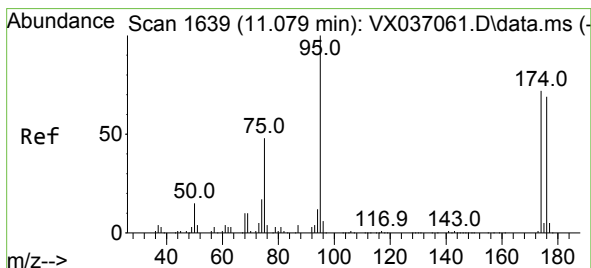
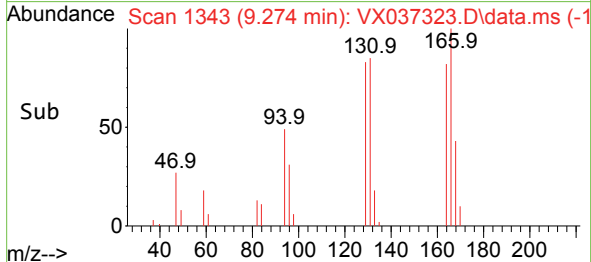
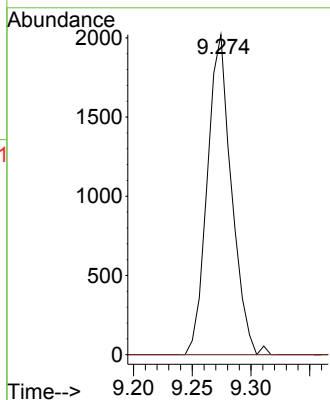
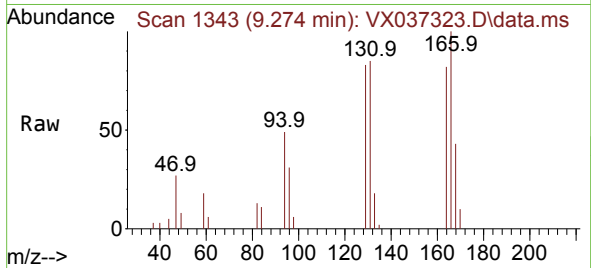




#60
Dibromochloromethane
Concen: 1.501 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

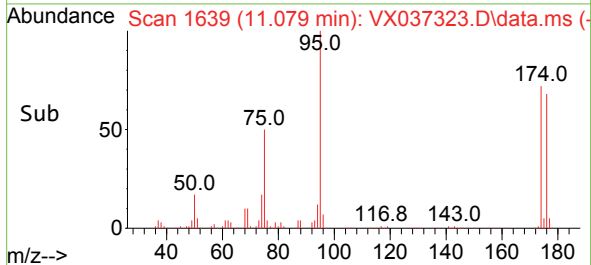
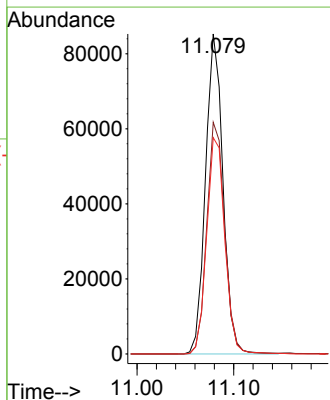
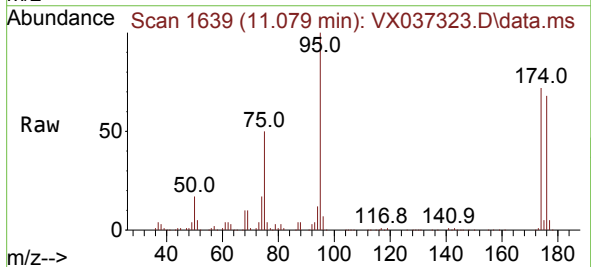
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20230821

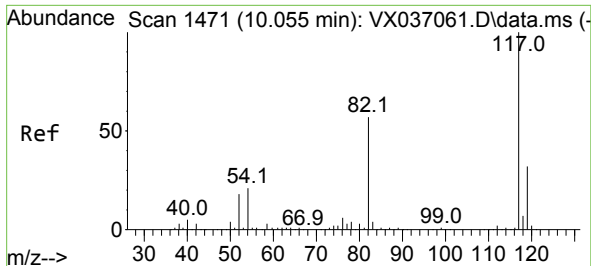
Tgt Ion:129 Resp: 2893
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.554 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

Tgt Ion: 95 Resp: 107218
Ion Ratio Lower Upper
95 100
174 74.3 0.0 135.6
176 70.4 0.0 131.0

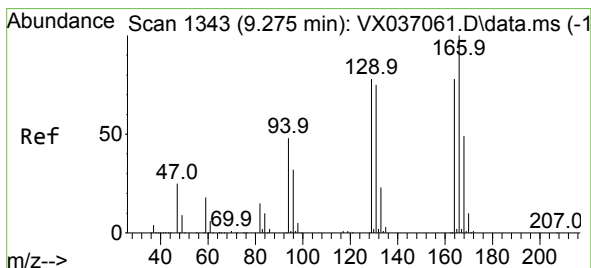
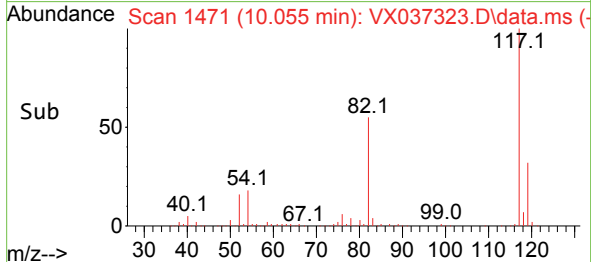
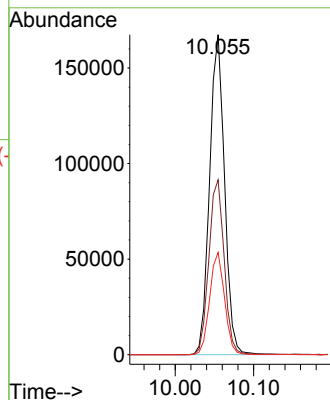
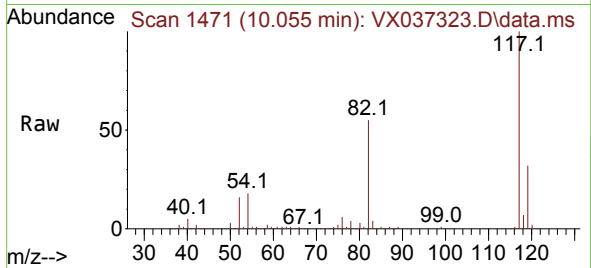




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

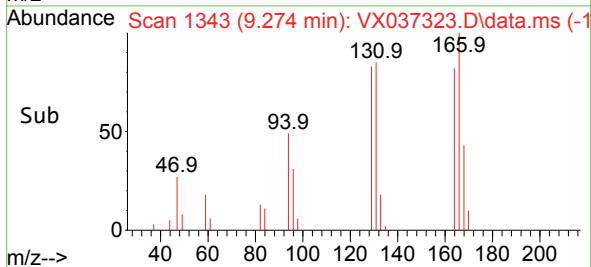
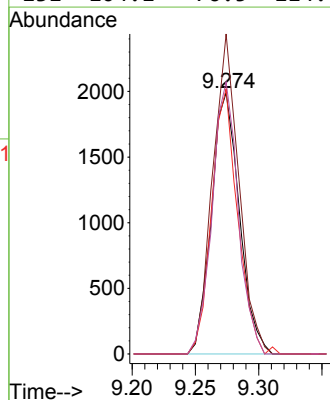
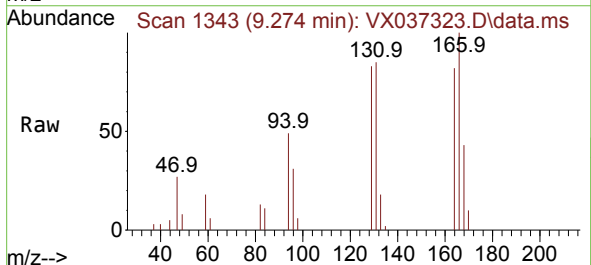
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20230821

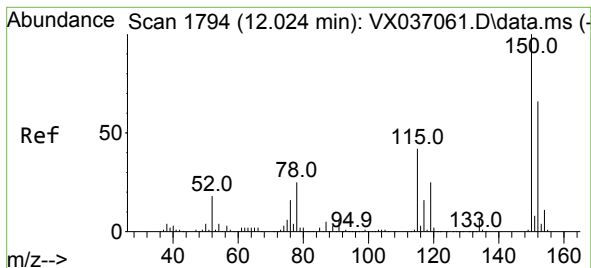
Tgt Ion:117 Resp: 221636
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 1.889 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037323.D
Acq: 29 Aug 2023 06:22

Tgt Ion:164 Resp: 3055
Ion Ratio Lower Upper
164 100
166 122.5 102.7 154.1
129 101.5 80.4 120.6
131 104.1 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: VX037323.D

Acq: 29 Aug 2023 06:22

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20230821

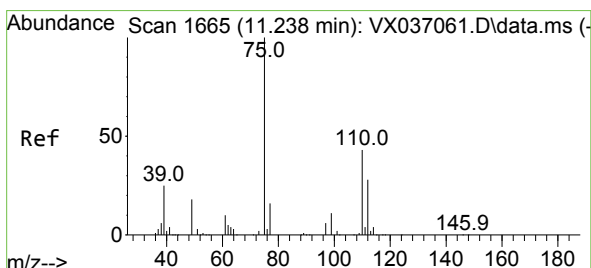
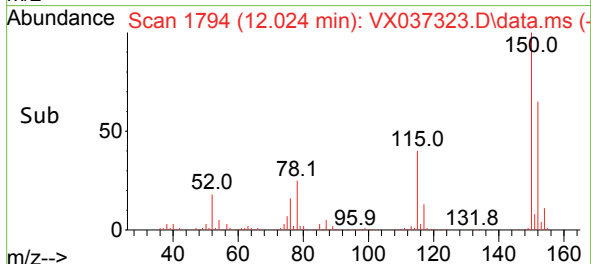
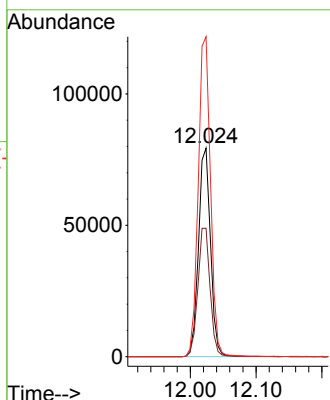
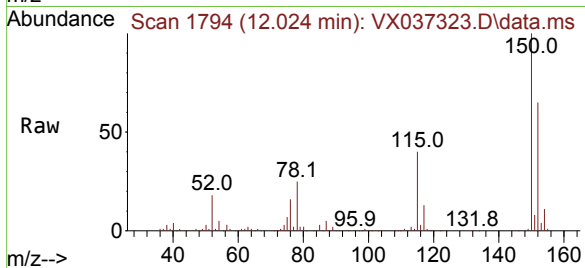
Tgt Ion:152 Resp: 100929

Ion Ratio Lower Upper

152 100

115 63.0 43.3 129.9

150 156.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.038 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037323.D

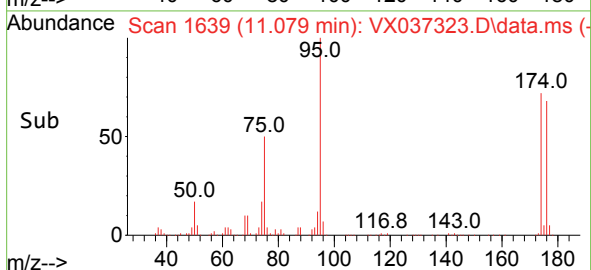
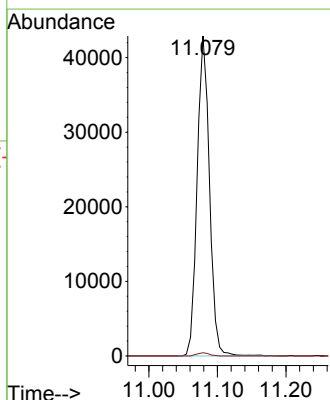
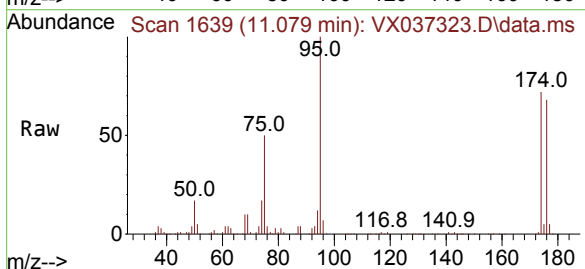
Acq: 29 Aug 2023 06:22

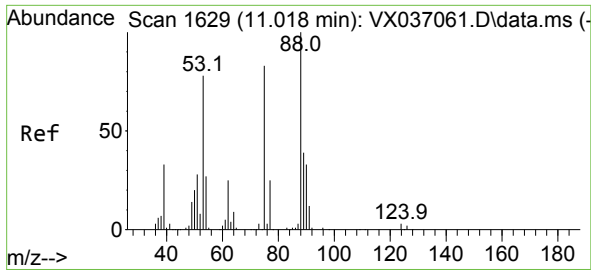
Tgt Ion: 75 Resp: 53818

Ion Ratio Lower Upper

75 100

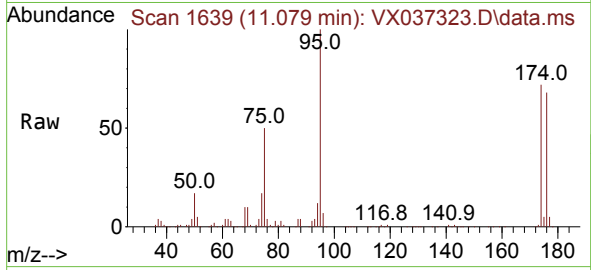
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.932 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037323.D
 Acq: 29 Aug 2023 06:22

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20230821



Tgt Ion: 75 Resp: 53818
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

