

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090123\
 Data File : VX037471.D
 Acq On : 01 Sep 2023 17:44
 Operator : JC/MD
 Sample : 04150-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20230822RE

Quant Time: Sep 02 04:32:52 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)

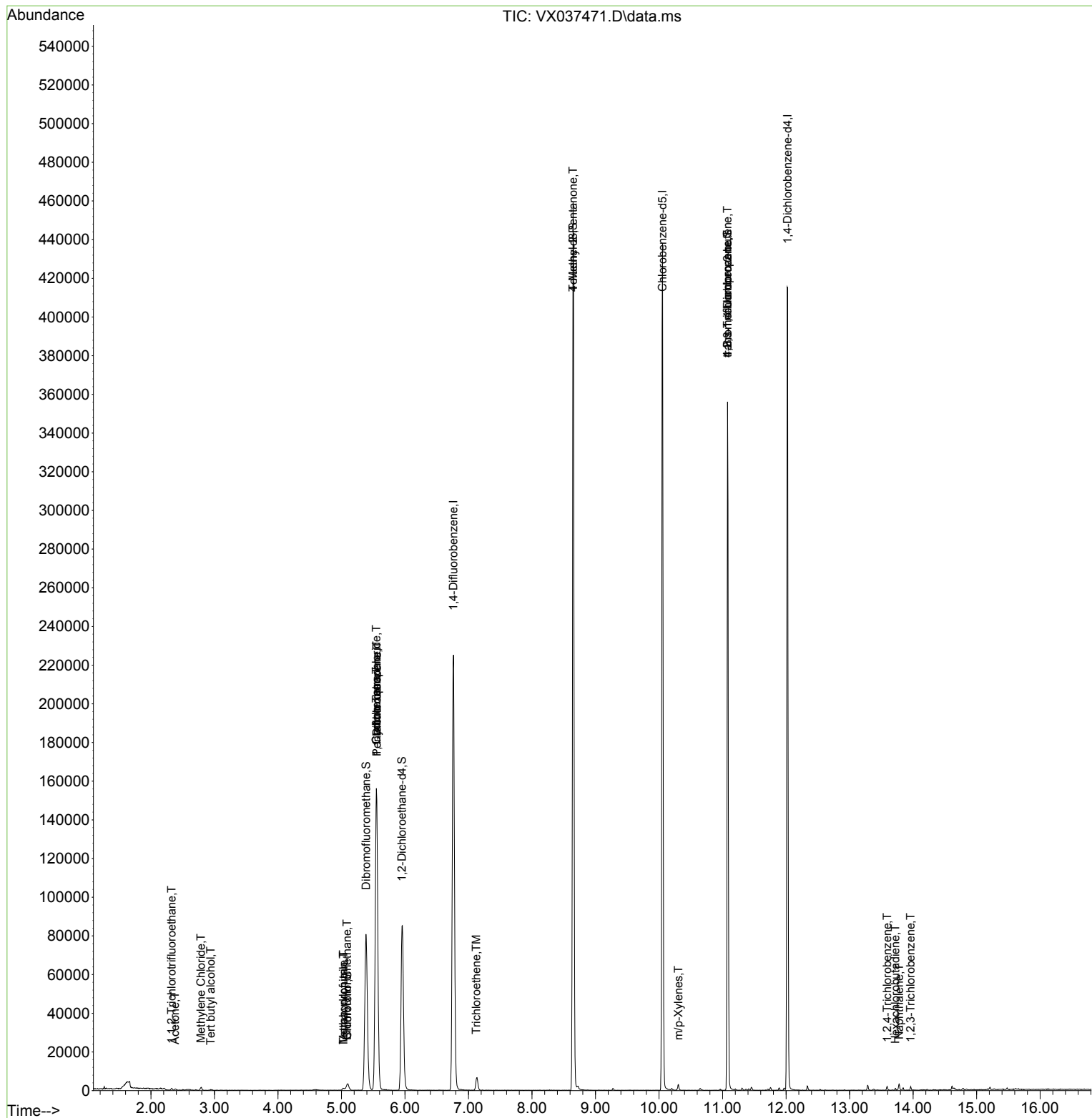
Internal Standards						
1) Pentafluorobenzene	5.556	168	147281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	241965	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87297	41.113	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	82.220%		
35) Dibromofluoromethane	5.385	113	71939	44.892	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.780%		
50) Toluene-d8	8.647	98	280631	48.278	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.560%		
62) 4-Bromofluorobenzene	11.079	95	100044	43.795	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.600%		
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	322	0.207	ug/l #	70
11) Tert butyl alcohol	2.940	59	218	0.438	ug/l #	78
16) Acetone	2.380	43	822	0.990	ug/l	99
20) Methylene Chloride	2.788	84	849	0.457	ug/l #	82
28) Bromochloromethane	5.086	49	270	0.200	ug/l #	16
29) Tetrahydrofuran	5.031	42	891	1.117	ug/l #	79
30) Chloroform	5.092	83	4501	1.328	ug/l	96
31) Cyclohexane	5.550	56	2827	1.184	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11136	4.891	ug/l #	50
38) Carbon Tetrachloride	5.550	117	15482	6.260	ug/l #	15
41) Methacrylonitrile	5.031	41	505	0.418	ug/l #	36
44) Trichloroethene	7.123	130	3025	1.634	ug/l	88
51) 4-Methyl-2-Pentanone	8.647	43	1024	0.457	ug/l #	1
68) m/p-Xylenes	10.305	106	768	0.254	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	48427	24.879	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	48427	69.488	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	620	0.356	ug/l	89
94) Hexachlorobutadiene	13.719	225	208	0.309	ug/l	95
95) Naphthalene	13.780	128	2603	0.341	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	525	0.304	ug/l	93

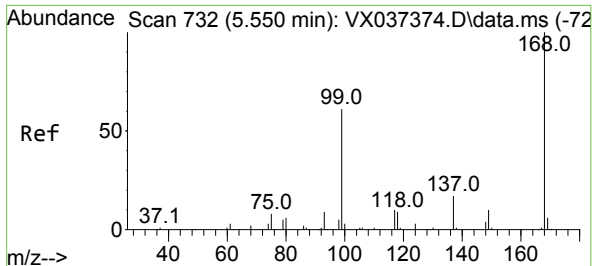
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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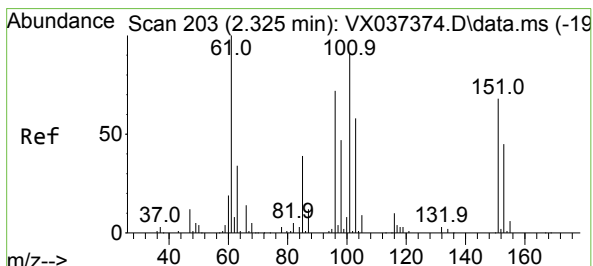
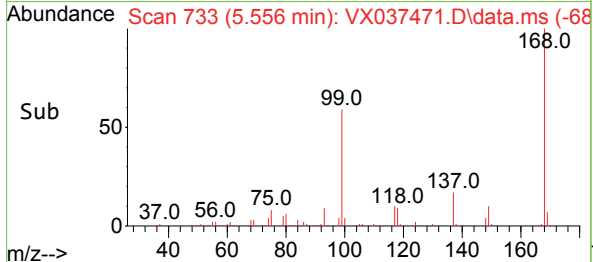
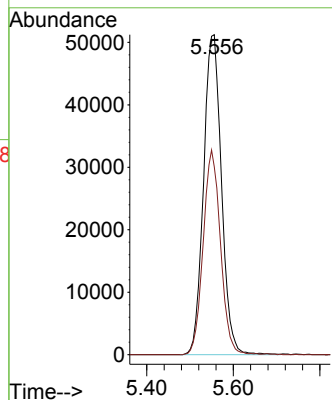
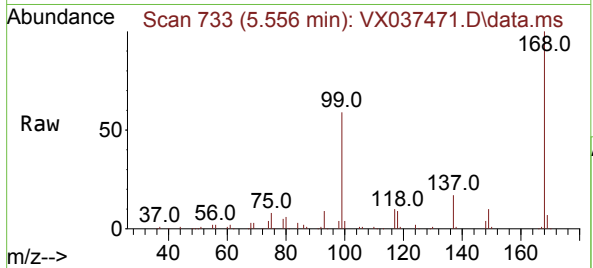




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

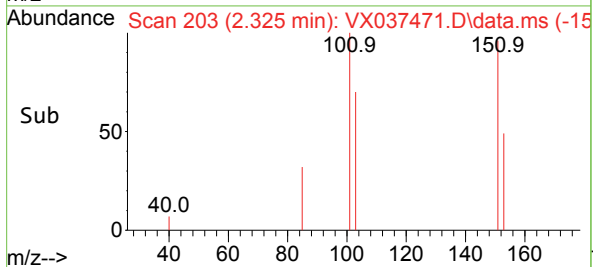
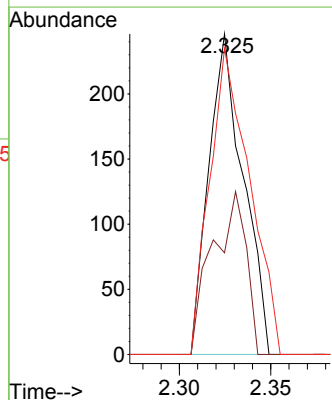
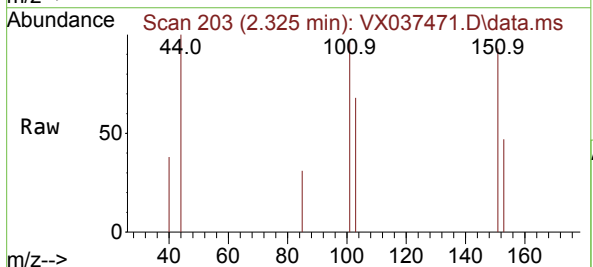
Instrument :
MSVOA_X
ClientSampleId :
EB02-20230822RE

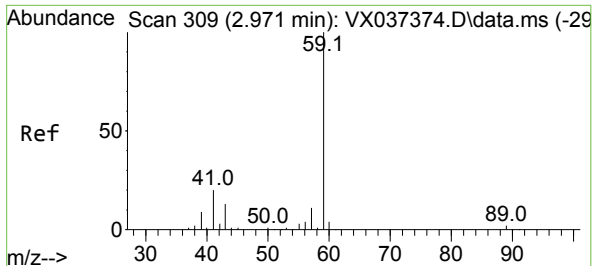
Tgt Ion:168 Resp: 147281
Ion Ratio Lower Upper
168 100
99 58.7 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.207 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

Tgt Ion:101 Resp: 322
Ion Ratio Lower Upper
101 100
85 50.0 37.0 55.6
151 110.9 58.6 87.8#





#11

Tert butyl alcohol

Concen: 0.438 ug/l

RT: 2.940 min Scan# 309

Delta R.T. -0.037 min

Lab File: VX037471.D

Acq: 01 Sep 2023 17:44

Instrument :

MSVOA_X

ClientSampleId :

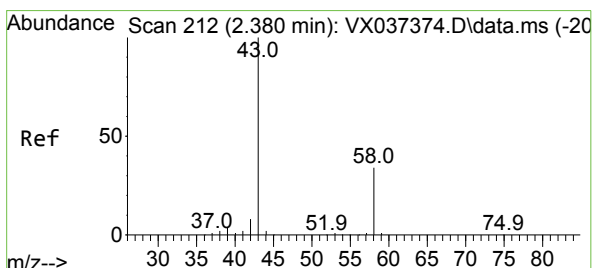
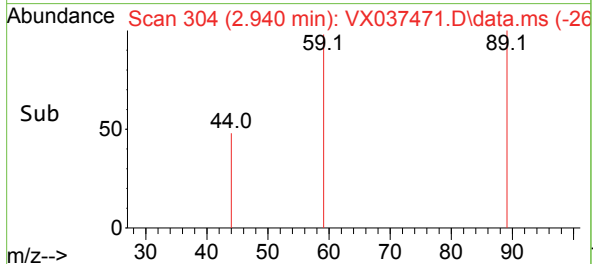
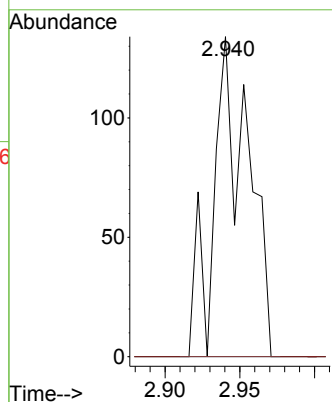
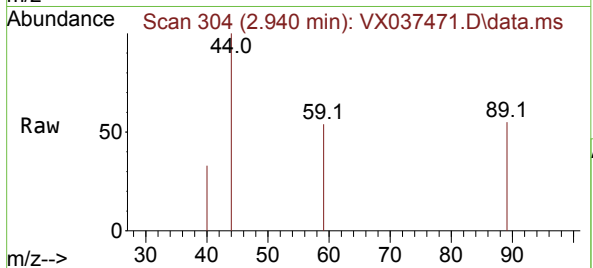
EB02-20230822RE

Tgt Ion: 59 Resp: 218

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 0.990 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037471.D

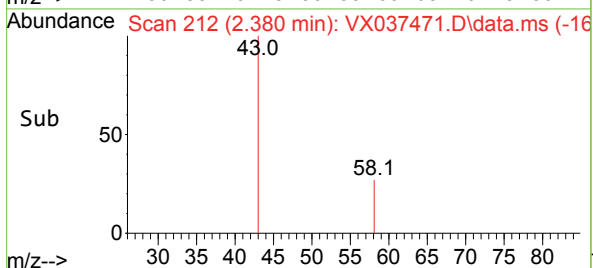
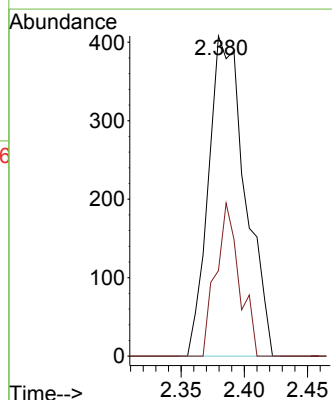
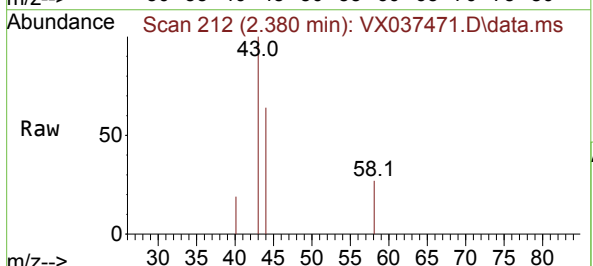
Acq: 01 Sep 2023 17:44

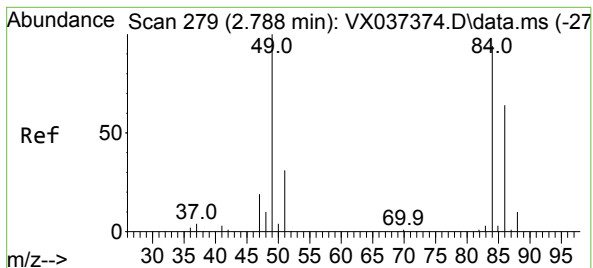
Tgt Ion: 43 Resp: 822

Ion Ratio Lower Upper

43 100

58 26.7 21.9 32.9





#20

Methylene Chloride

Concen: 0.457 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX037471.D

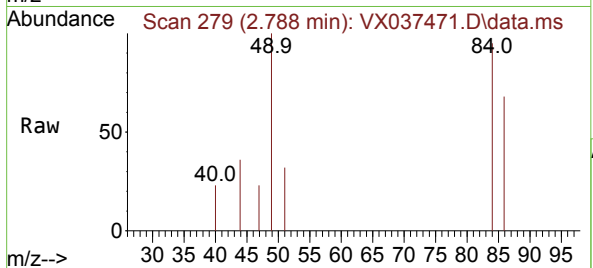
Acq: 01 Sep 2023 17:44

Instrument :

MSVOA_X

ClientSampleId :

EB02-20230822RE



Tgt Ion: 84 Resp: 849

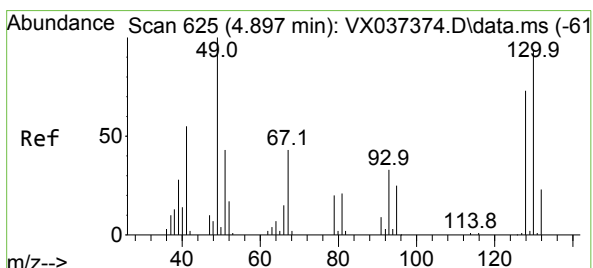
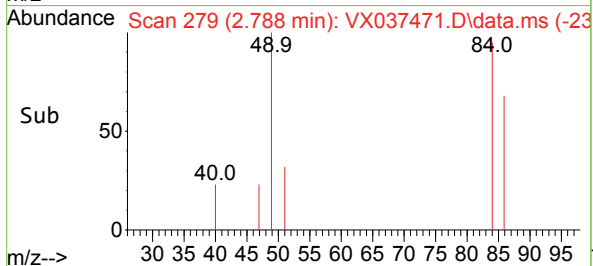
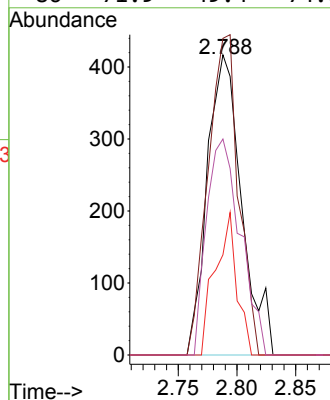
Ion Ratio Lower Upper

84 100

49 105.5 103.6 155.4

51 33.3 33.8 50.6#

86 71.9 49.4 74.0



#28

Bromochloromethane

Concen: 0.200 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.183 min

Lab File: VX037471.D

Acq: 01 Sep 2023 17:44

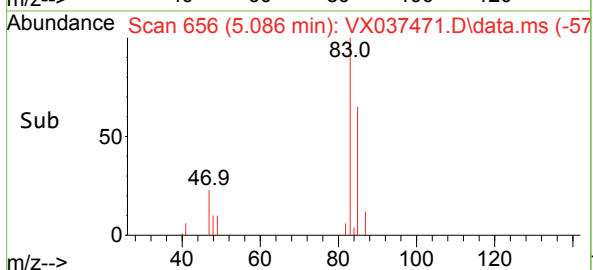
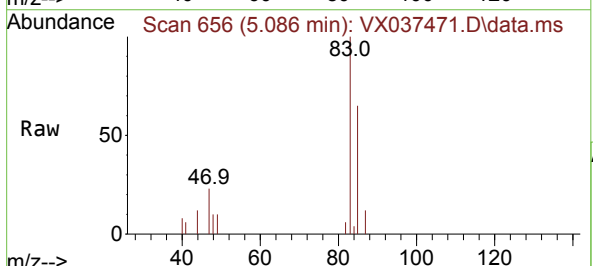
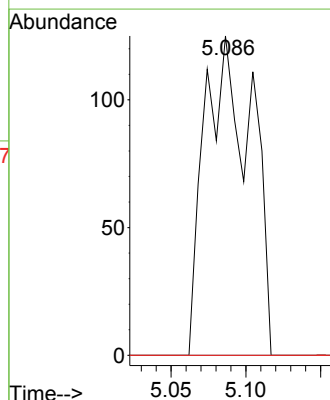
Tgt Ion: 49 Resp: 270

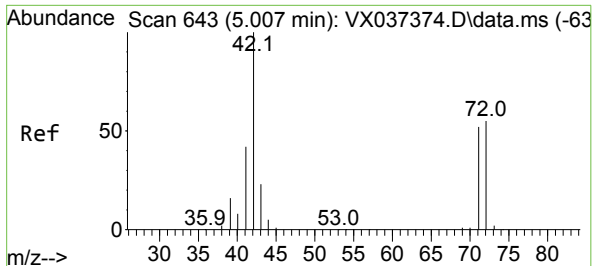
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 57.5 86.3#





#29

Tetrahydrofuran

Concen: 1.117 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX037471.D

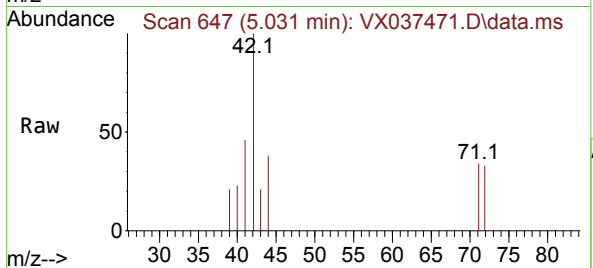
Acq: 01 Sep 2023 17:44

Instrument :

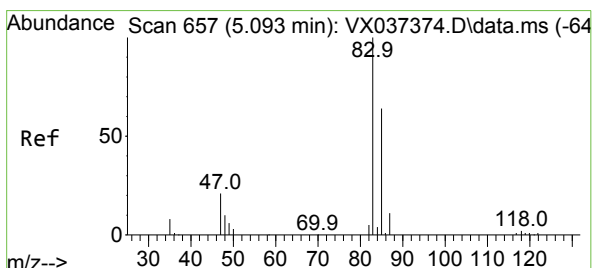
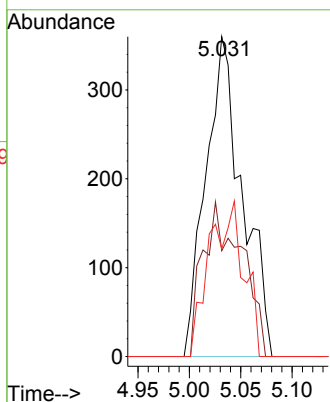
MSVOA_X

ClientSampleId :

EB02-20230822RE



Tgt Ion:	42	Resp:	891
Ion	Ratio	Lower	Upper
42	100		
72	51.4	34.2	51.4#
71	21.8	32.2	48.2#



#30

Chloroform

Concen: 1.328 ug/l

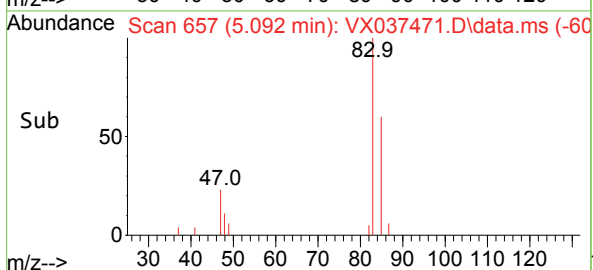
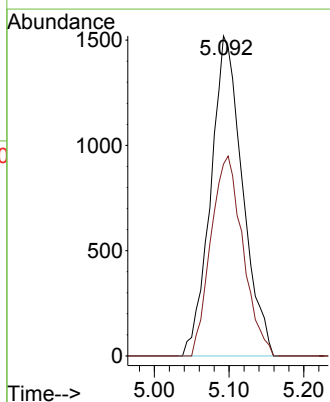
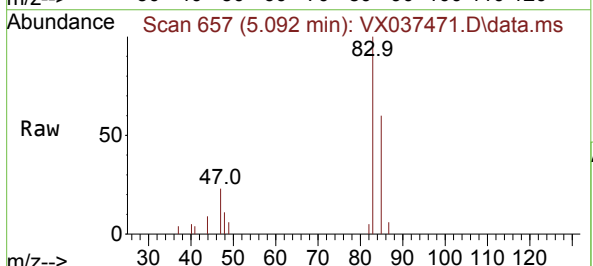
RT: 5.092 min Scan# 657

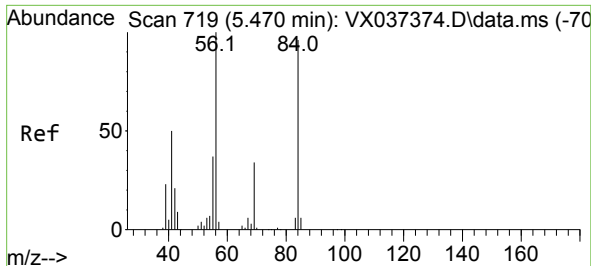
Delta R.T. -0.000 min

Lab File: VX037471.D

Acq: 01 Sep 2023 17:44

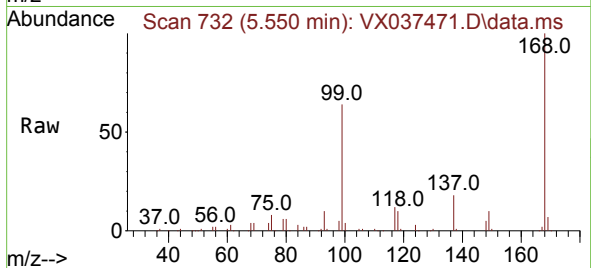
Tgt Ion:	83	Resp:	4501
Ion	Ratio	Lower	Upper
83	100		
85	59.9	50.3	75.5



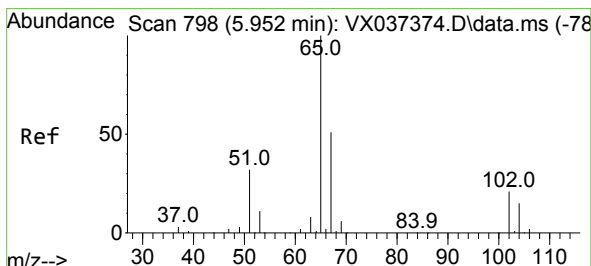
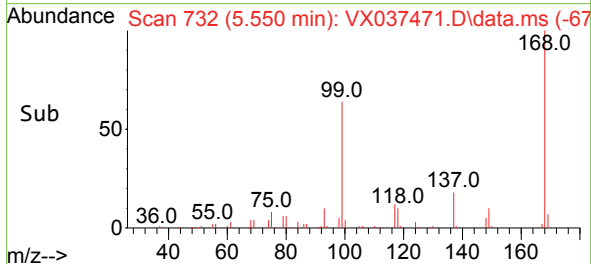
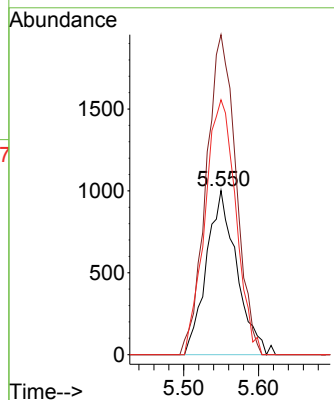


#31
Cyclohexane
Concen: 1.184 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

Instrument :
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ClientSampleId :
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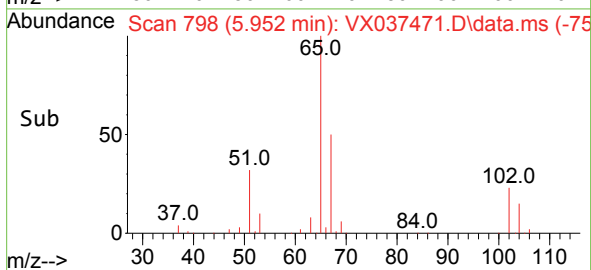
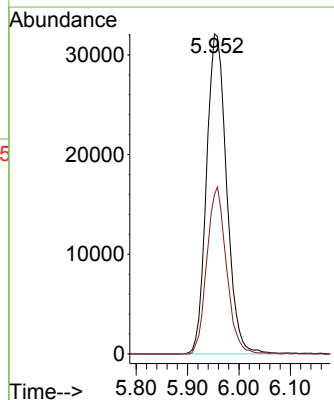
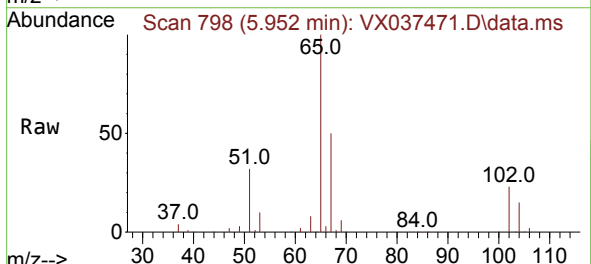


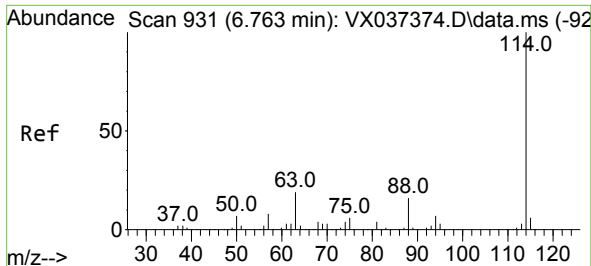
Tgt Ion: 56 Resp: 2827
Ion Ratio Lower Upper
56 100
69 195.0 23.4 35.2#
84 155.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 41.113 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

Tgt Ion: 65 Resp: 87297
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2

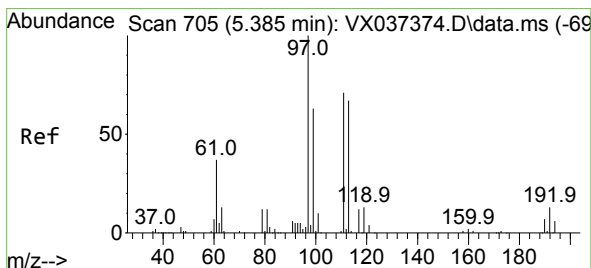
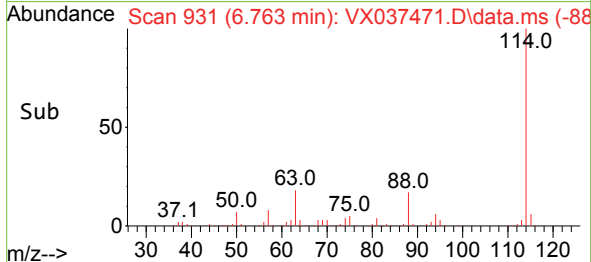
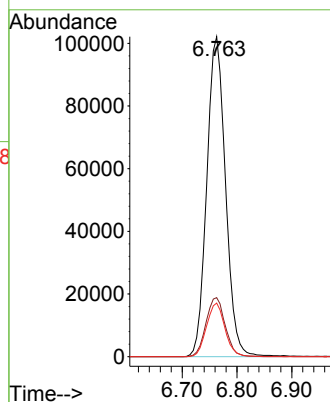
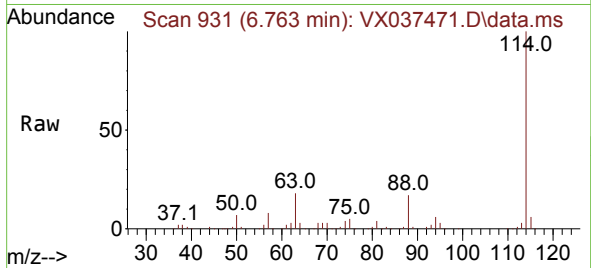




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

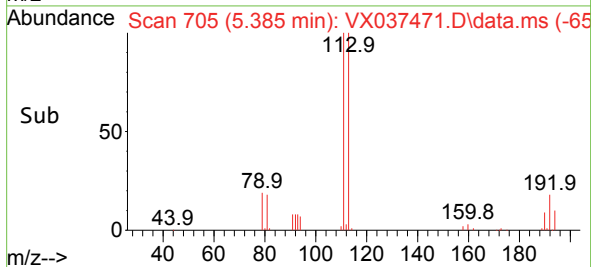
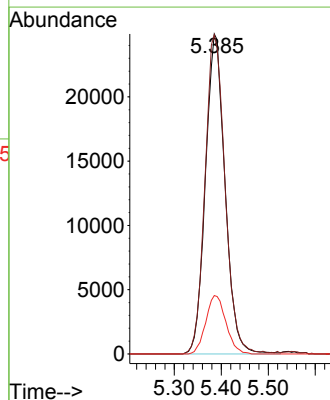
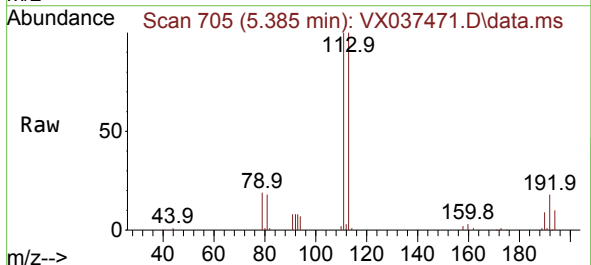
Instrument :
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ClientSampleId :
EB02-20230822RE

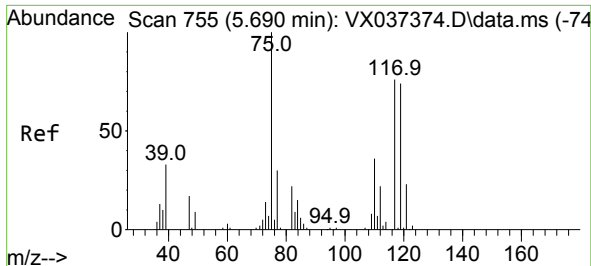
Tgt Ion:114 Resp: 241965
Ion Ratio Lower Upper
114 100
63 18.5 0.0 45.0
88 16.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.892 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

Tgt Ion:113 Resp: 71939
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 18.8 13.3 19.9

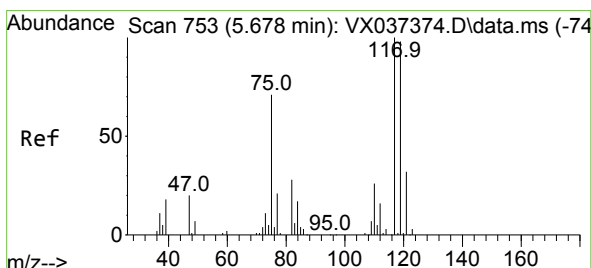
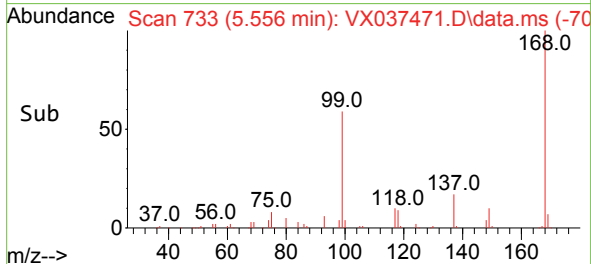
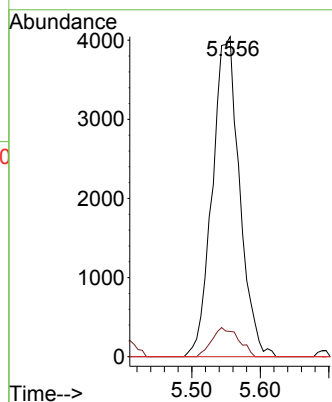
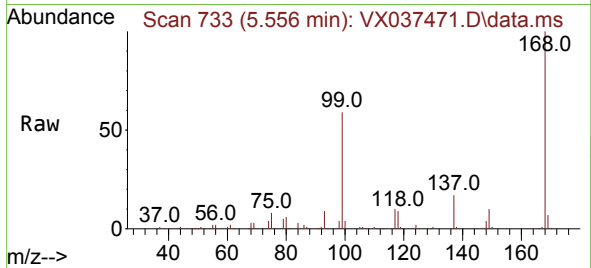




#36
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

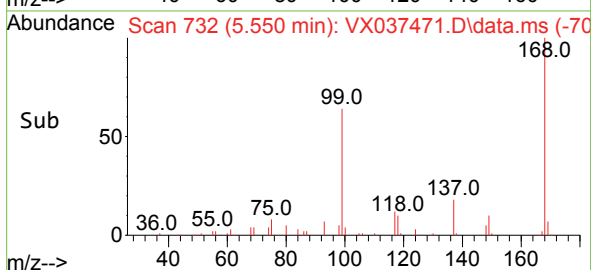
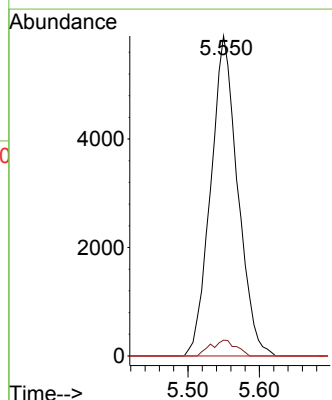
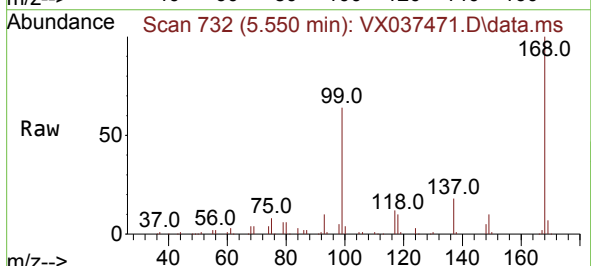
Instrument :
MSVOA_X
ClientSampleId :
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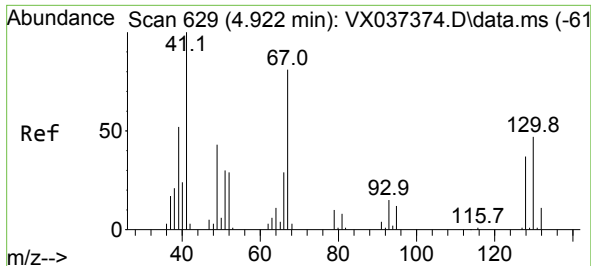
Tgt Ion: 75 Resp: 11136
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.260 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

Tgt Ion: 117 Resp: 15482
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#

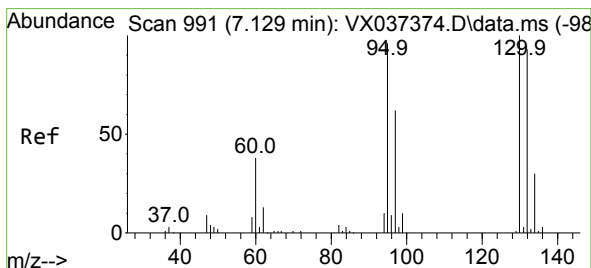
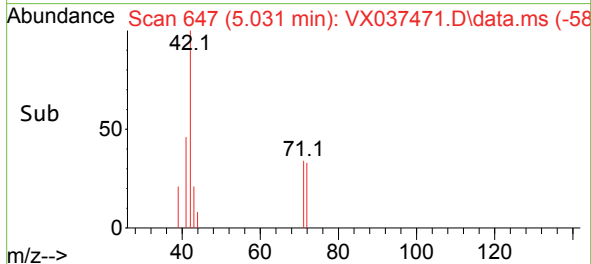
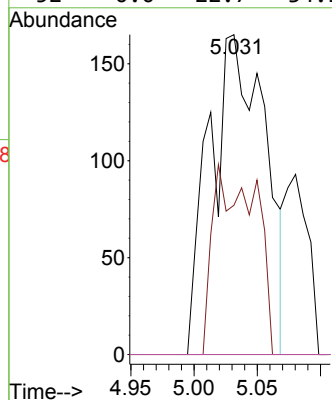
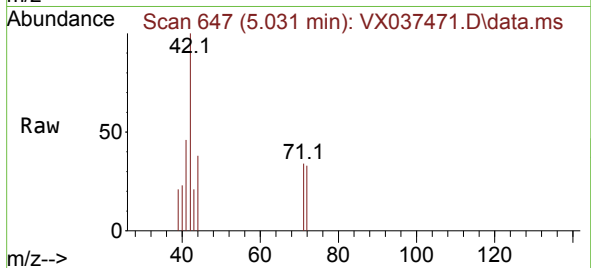




#41
Methacrylonitrile
Concen: 0.418 ug/l
RT: 5.031 min Scan# 641
Delta R.T. 0.110 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

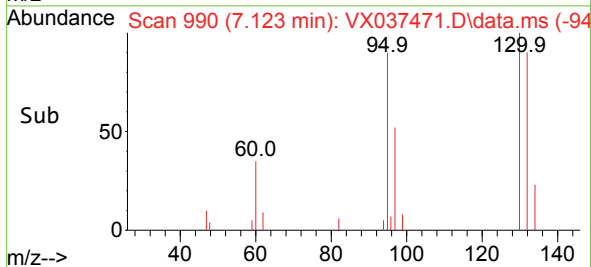
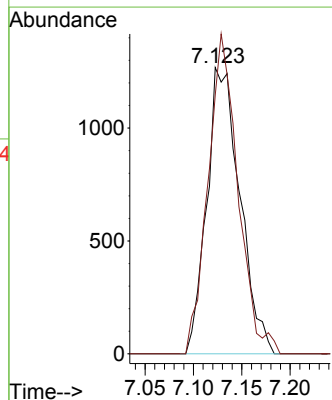
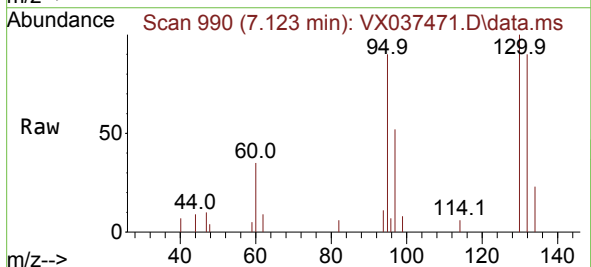
Instrument :
MSVOA_X
ClientSampleId :
EB02-20230822RE

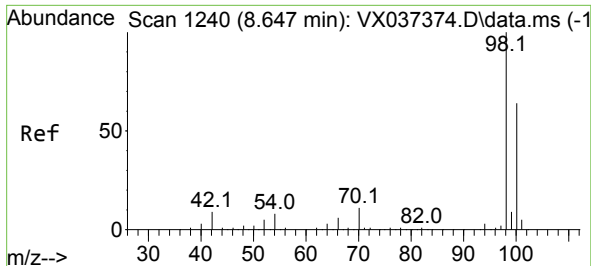
Tgt Ion:	41	Resp:	505
Ion	Ratio	Lower	Upper
41	100		
39	22.6	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#44
Trichloroethene
Concen: 1.634 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

Tgt Ion:	130	Resp:	3025
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	204.4

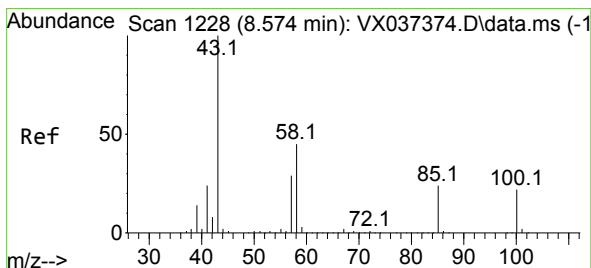
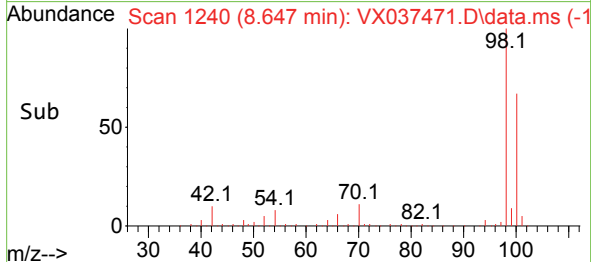
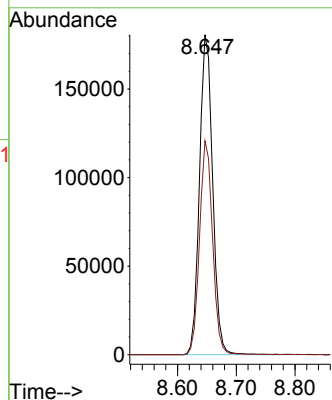
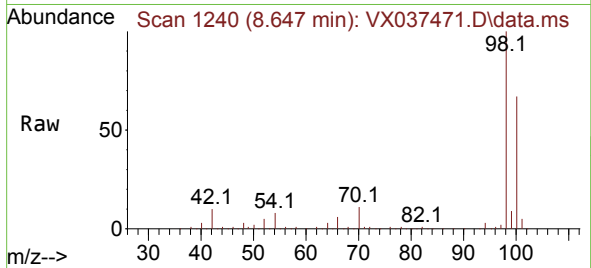




#50
Toluene-d8
Concen: 48.278 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

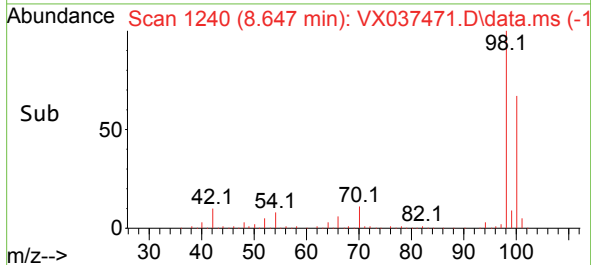
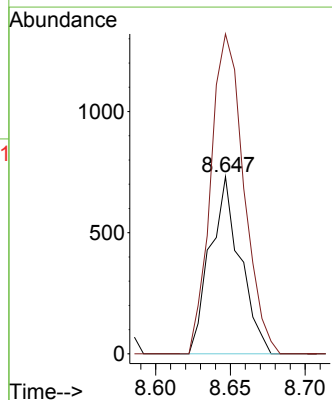
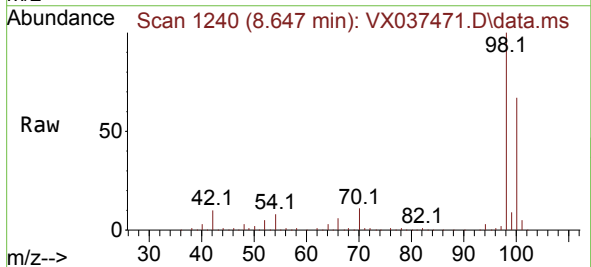
Instrument :
MSVOA_X
ClientSampleId :
EB02-20230822RE

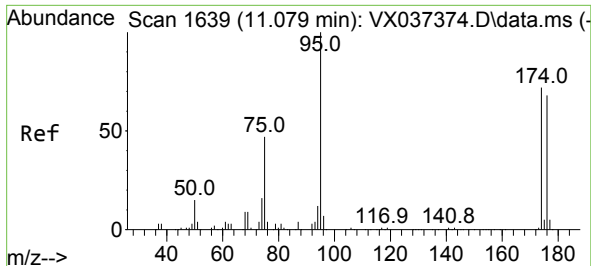
Tgt Ion: 98 Resp: 280631
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

Tgt Ion: 43 Resp: 1024
Ion Ratio Lower Upper
43 100
58 198.1 30.4 45.6#

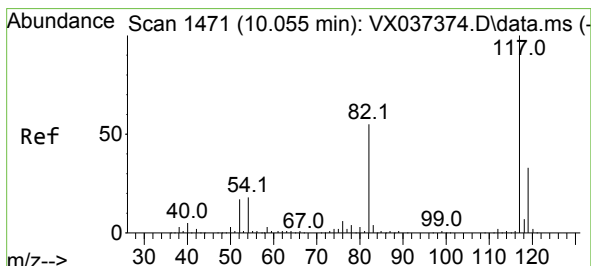
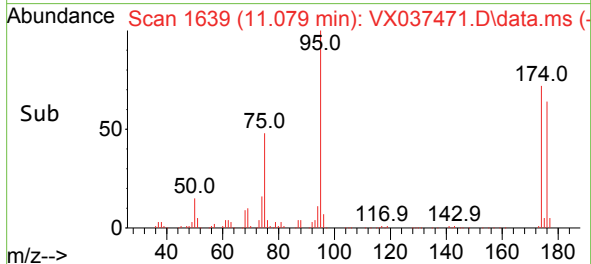
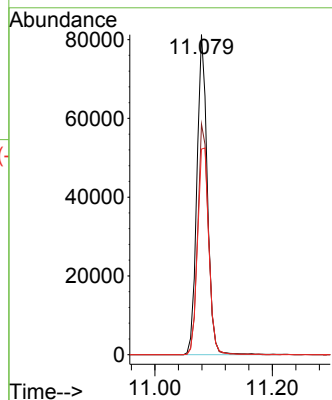
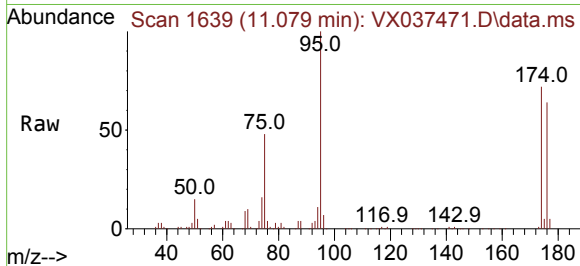




#62
4-Bromofluorobenzene
Concen: 43.795 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

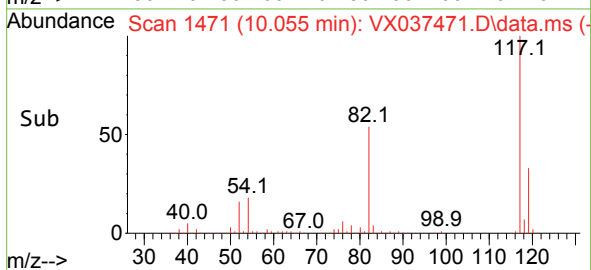
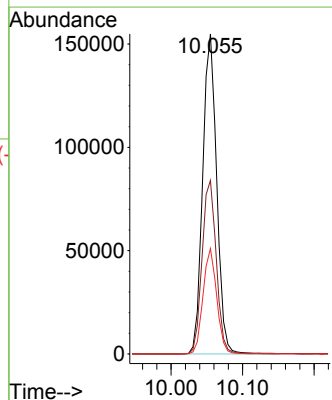
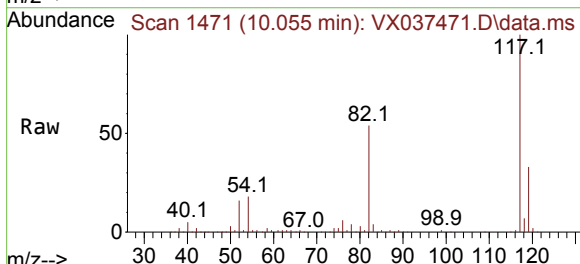
Instrument :
MSVOA_X
ClientSampleId :
EB02-20230822RE

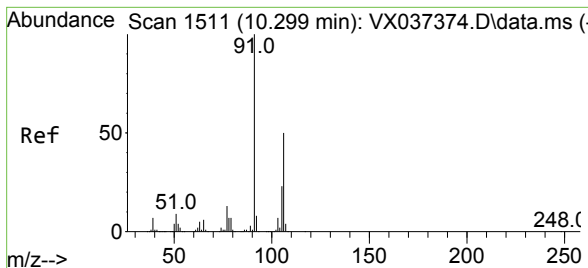
Tgt Ion: 95 Resp: 100044
Ion Ratio Lower Upper
95 100
174 73.9 0.0 135.6
176 70.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

Tgt Ion: 117 Resp: 210523
Ion Ratio Lower Upper
117 100
82 54.3 46.2 69.4
119 32.9 25.5 38.3

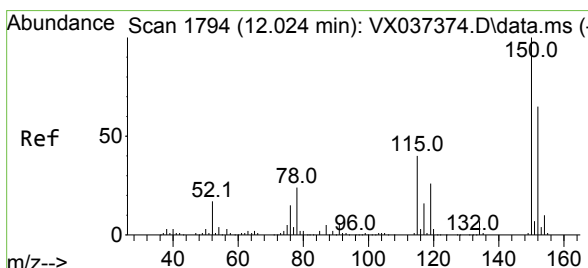
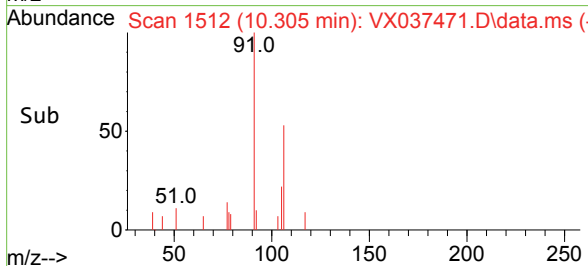
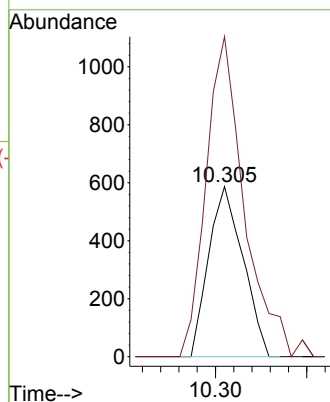
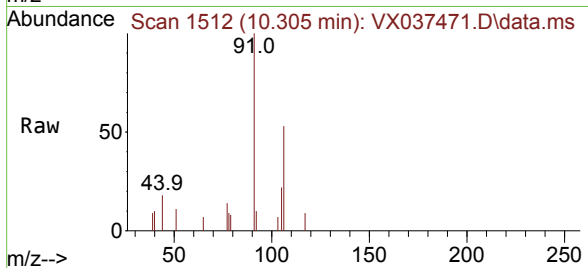




#68
m/p-Xylenes
Concen: 0.254 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

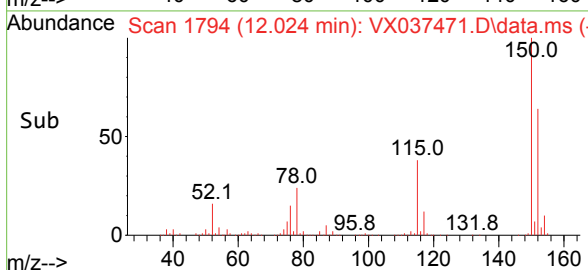
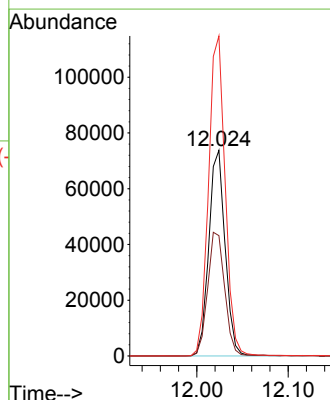
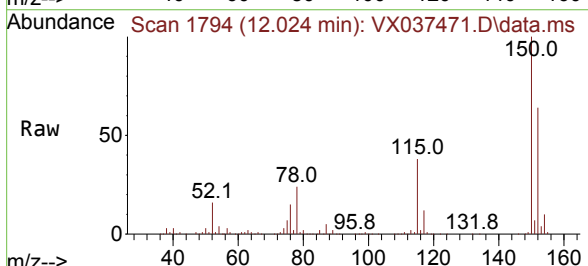
Instrument :
MSVOA_X
ClientSampleId :
EB02-20230822RE

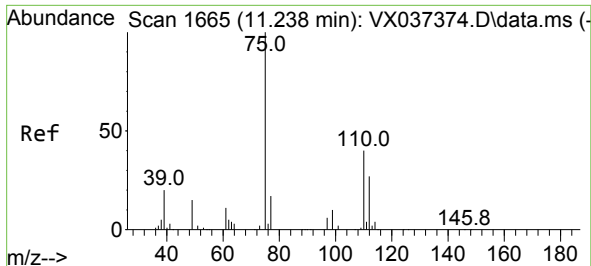
Tgt Ion:106 Resp: 768
Ion Ratio Lower Upper
106 100
91 210.0 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

Tgt Ion:152 Resp: 91399
Ion Ratio Lower Upper
152 100
115 62.9 43.3 129.9
150 158.4 0.0 345.0

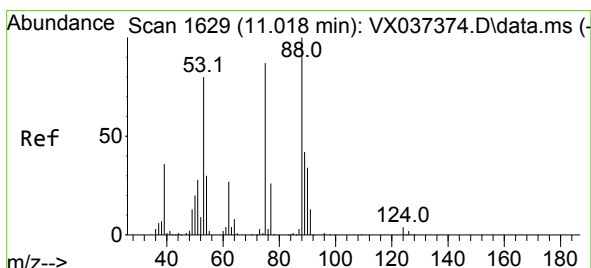
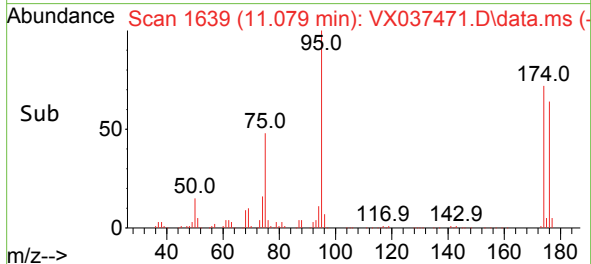
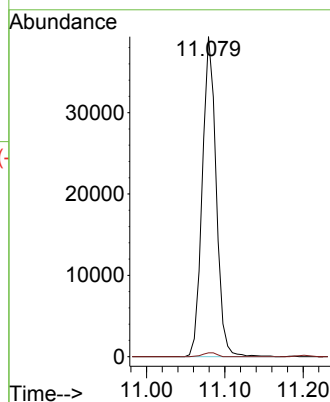
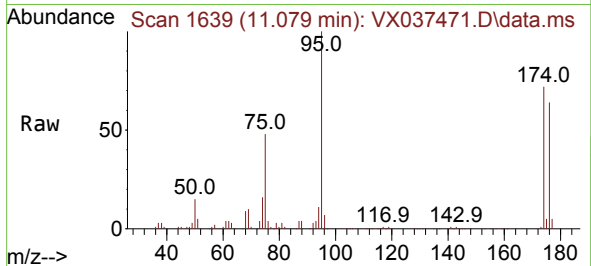




#76
1,2,3-Trichloropropane
Concen: 24.879 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

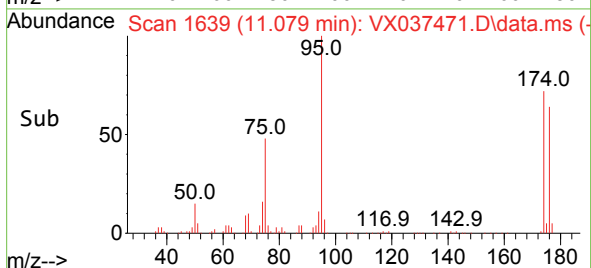
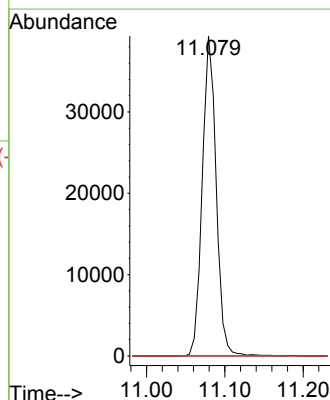
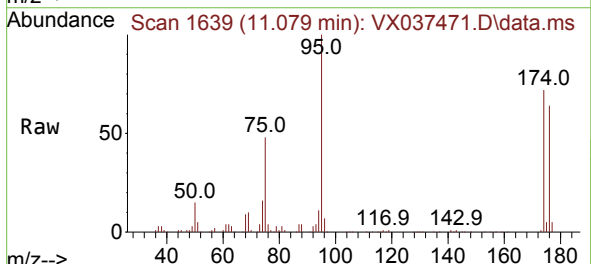
Instrument :
MSVOA_X
ClientSampleId :
EB02-20230822RE

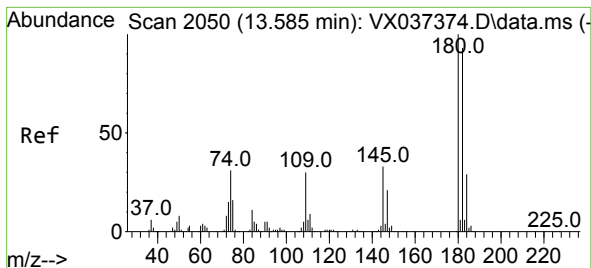
Tgt Ion: 75 Resp: 48427
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.488 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037471.D
Acq: 01 Sep 2023 17:44

Tgt Ion: 75 Resp: 48427
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.356 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX037471.D

Acq: 01 Sep 2023 17:44

Instrument :

MSVOA_X

ClientSampleId :

EB02-20230822RE

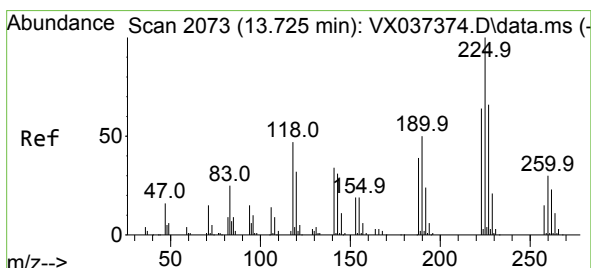
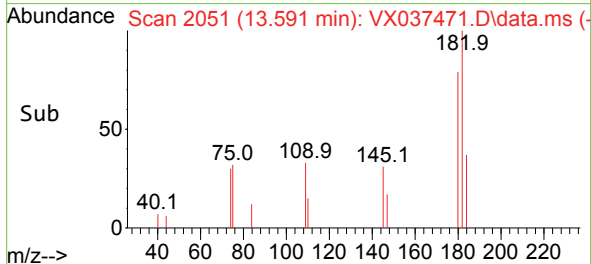
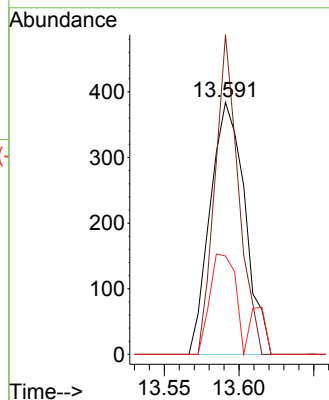
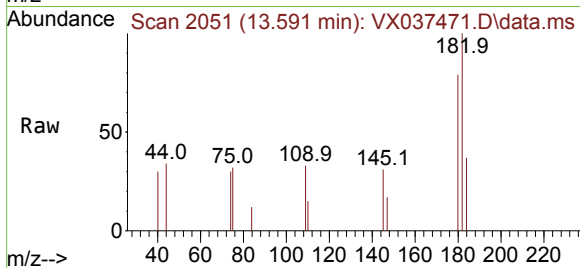
Tgt Ion:180 Resp: 620

Ion Ratio Lower Upper

180 100

182 85.6 48.3 144.8

145 29.2 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.309 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX037471.D

Acq: 01 Sep 2023 17:44

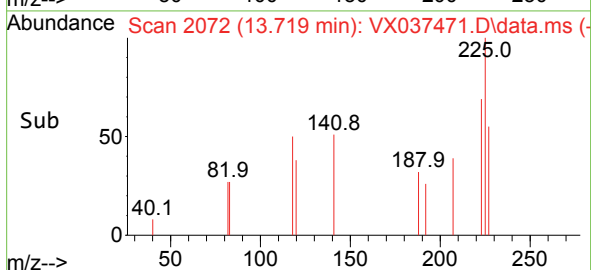
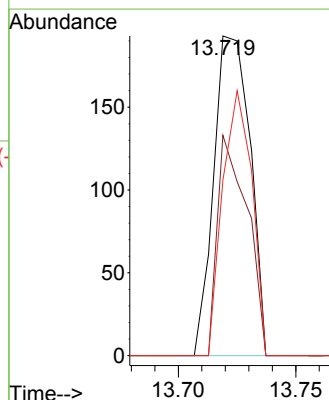
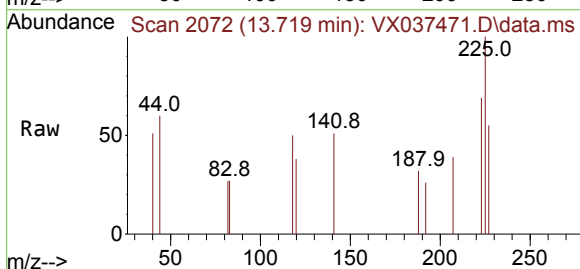
Tgt Ion:225 Resp: 208

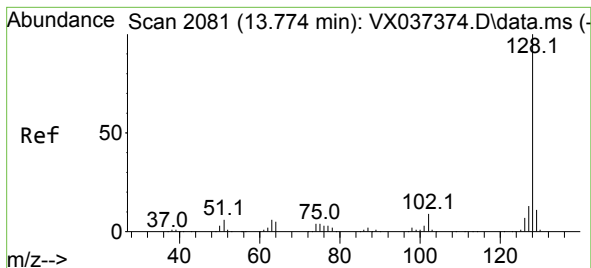
Ion Ratio Lower Upper

225 100

223 56.3 31.1 93.2

227 66.3 32.5 97.5





#95

Naphthalene

Concen: 0.341 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX037471.D

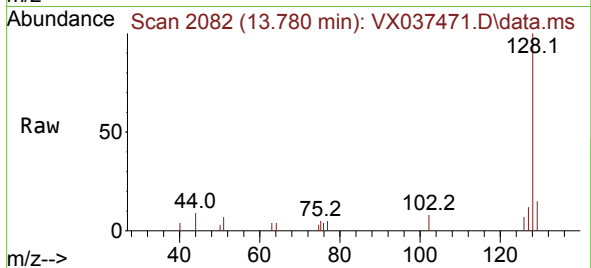
Acq: 01 Sep 2023 17:44

Instrument :

MSVOA_X

ClientSampleId :

EB02-20230822RE



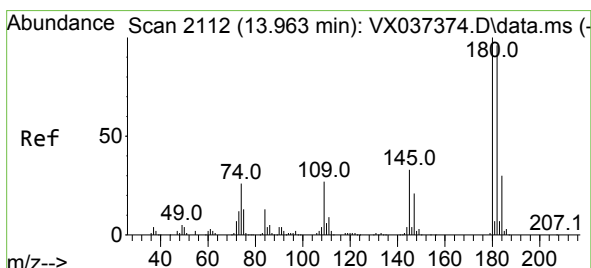
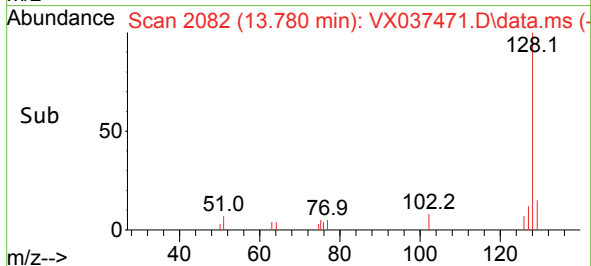
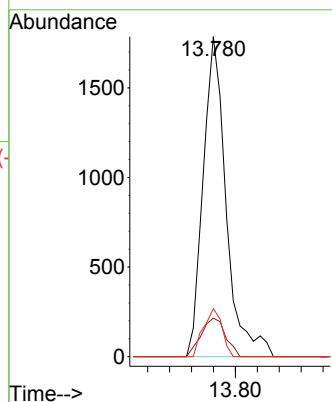
Tgt Ion:128 Resp: 2603

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 12.1 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.304 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX037471.D

Acq: 01 Sep 2023 17:44

Tgt Ion:180 Resp: 525

Ion Ratio Lower Upper

180 100

182 100.0 46.9 140.6

145 41.5 17.8 53.5

