

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037316.D
 Acq On : 29 Aug 2023 03:33
 Operator : JC/MD
 Sample : 04126-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20230821

Quant Time: Aug 29 05:33:06 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)

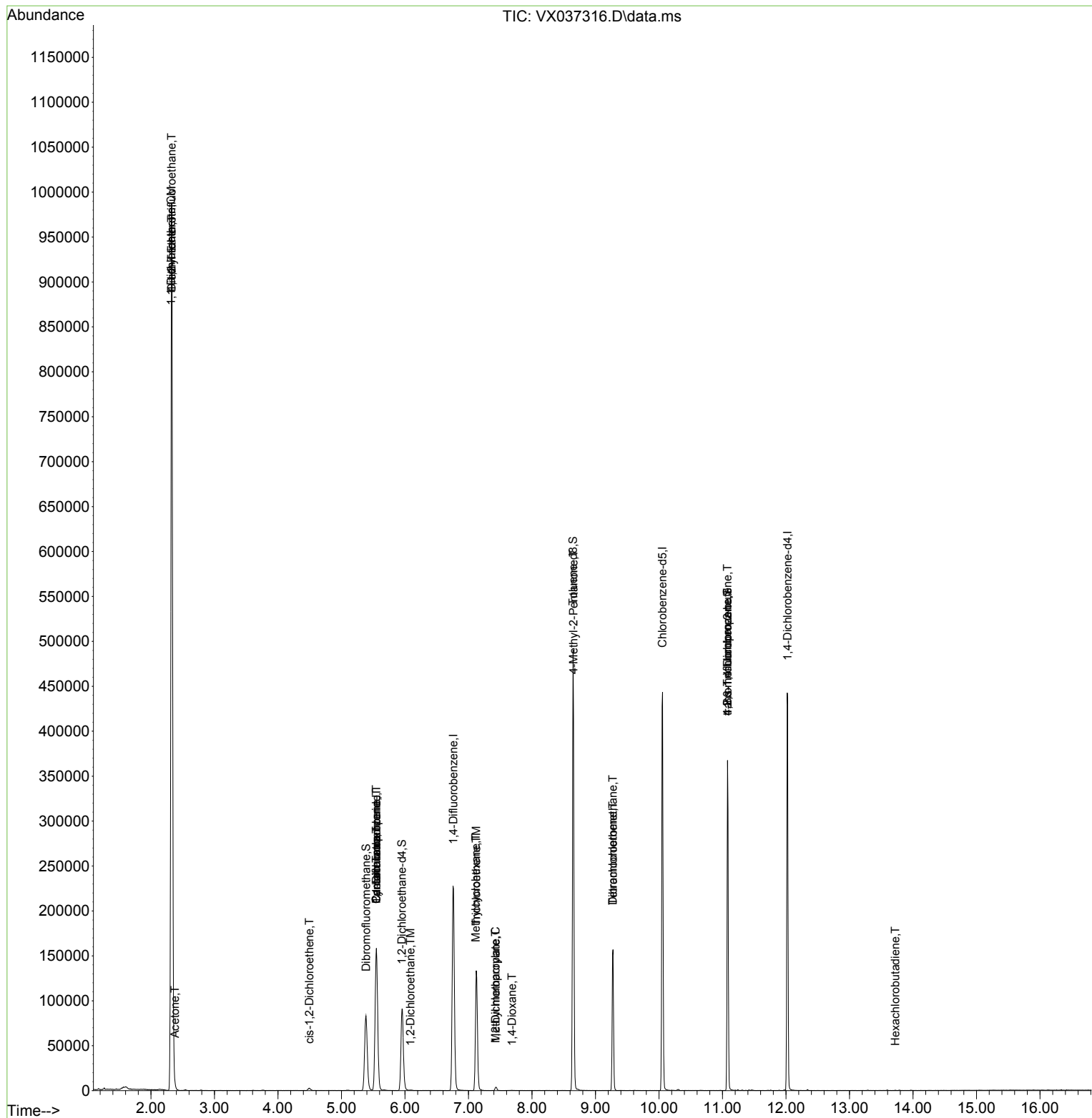
Internal Standards						
1) Pentafluorobenzene	5.550	168	147963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	244900	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91103	42.708	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.420%		
35) Dibromofluoromethane	5.385	113	74601	45.996	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.000%		
50) Toluene-d8	8.647	98	285524	48.531	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.060%		
62) 4-Bromofluorobenzene	11.079	95	103885	44.932	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.860%		
Target Compounds						Qvalue
8) Diethyl Ether	2.325	74	301	0.290	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.325	101	398699	254.906	ug/l	96
12) 1,1-Dichloroethene	2.319	96	3260	2.140	ug/l #	67
16) Acetone	2.380	43	676	0.810	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	1828	0.896	ug/l	83
31) Cyclohexane	5.550	56	2869	1.196	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11655	5.058	ug/l #	51
38) Carbon Tetrachloride	5.550	117	15787	6.307	ug/l #	14
39) Methylcyclohexane	7.117	83	661	0.273	ug/l #	1
42) 1,2-Dichloroethane	6.086	62	644	0.248	ug/l #	77
44) Trichloroethene	7.123	130	53878	28.751	ug/l	95
45) 1,2-Dichloropropane	7.428	63	1768	1.085	ug/l	99
48) Methyl methacrylate	7.428	41	984	0.540	ug/l #	48
49) 1,4-Dioxane	7.684	88	335	6.825	ug/l #	62
51) 4-Methyl-2-Pentanone	8.653	43	1062	0.468	ug/l #	1
60) Dibromochloromethane	9.275	129	30628	16.179	ug/l #	11
64) Tetrachloroethene	9.275	164	30124	19.290	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	50917	24.821	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	50917	69.326	ug/l #	5
94) Hexachlorobutadiene	13.719	225	152	0.215	ug/l #	52

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

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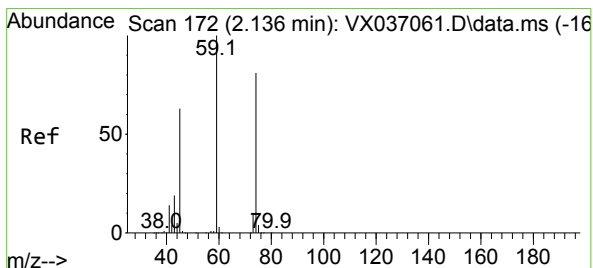
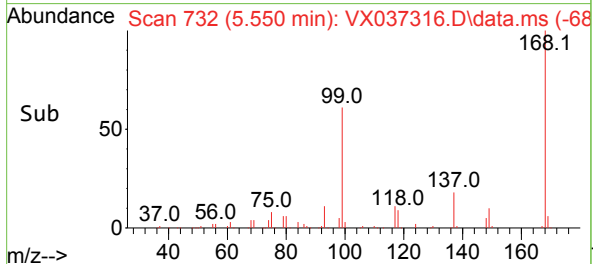
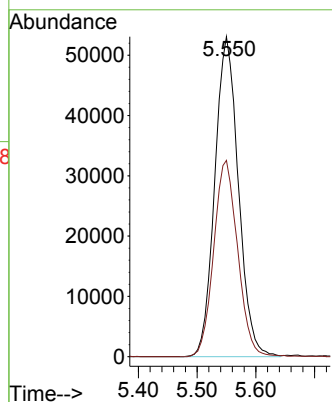
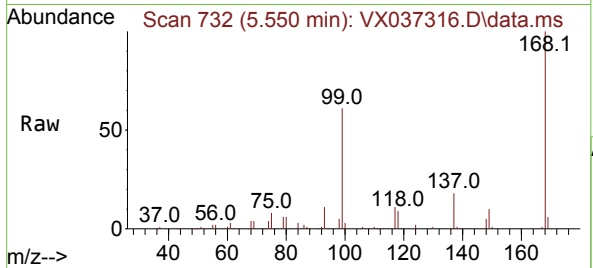




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

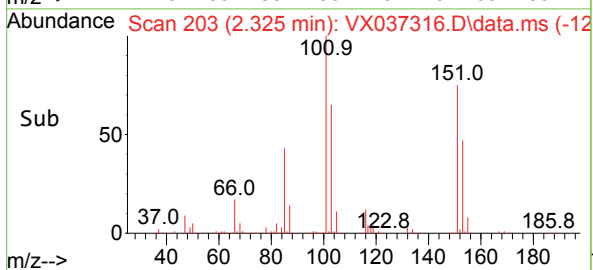
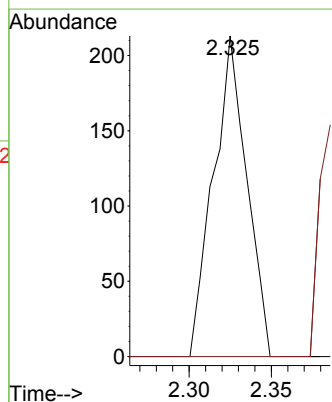
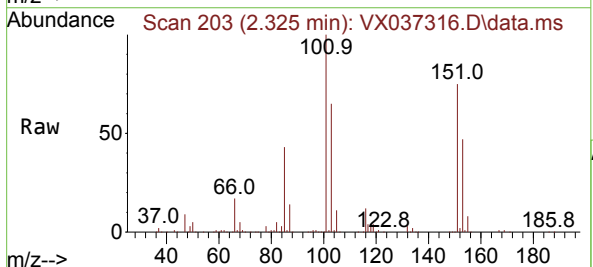
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20230821

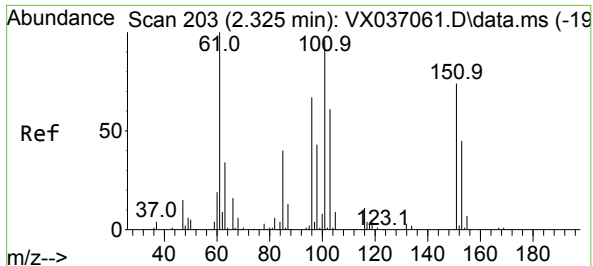
Tgt Ion:168 Resp: 147963
Ion Ratio Lower Upper
168 100
99 61.3 56.6 85.0



#8
Diethyl Ether
Concen: 0.290 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.189 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

Tgt Ion: 74 Resp: 301
Ion Ratio Lower Upper
74 100
45 0.0 53.3 159.8#

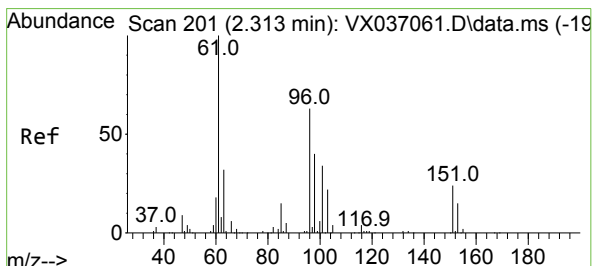
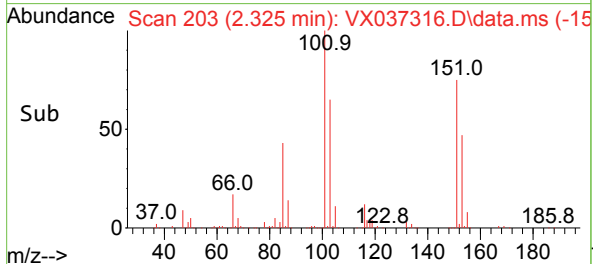
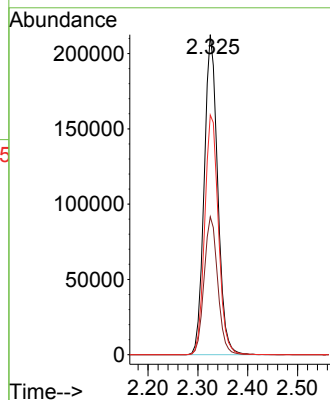
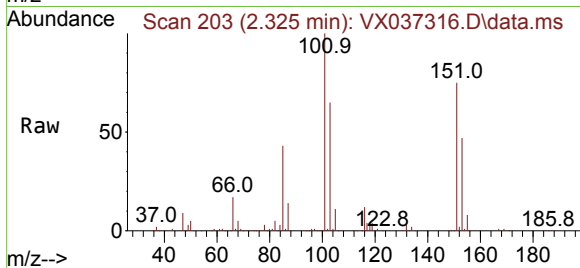




#9
1,1,2-Trichlorotrifluoroethane
Concen: 254.906 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

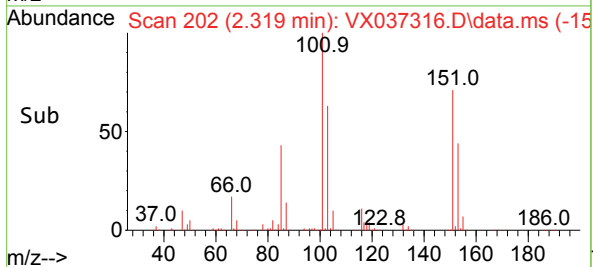
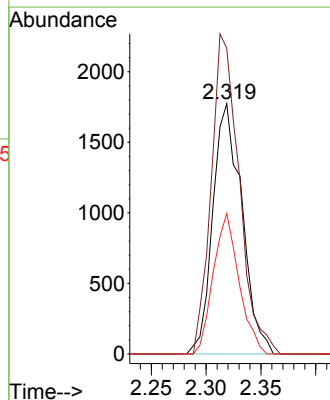
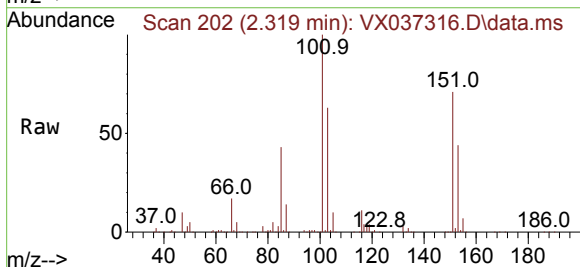
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20230821

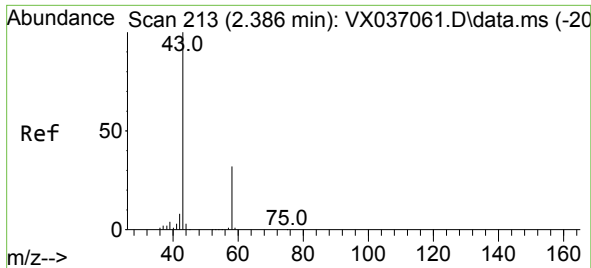
Tgt Ion:101 Resp: 398699
Ion Ratio Lower Upper
101 100
85 43.5 37.0 55.6
151 76.3 58.6 87.8



#12
1,1-Dichloroethene
Concen: 2.140 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

Tgt Ion: 96 Resp: 3260
Ion Ratio Lower Upper
96 100
61 122.2 144.6 216.8#
98 56.1 50.4 75.6





#16

Acetone

Concen: 0.810 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX037316.D

Acq: 29 Aug 2023 03:33

Instrument :

MSVOA_X

ClientSampleId :

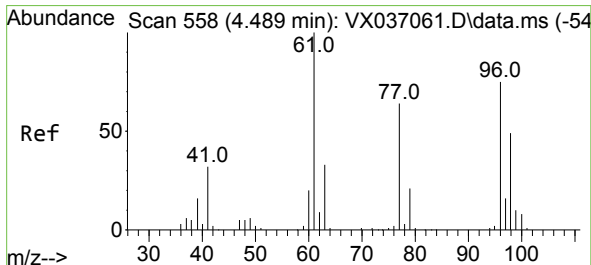
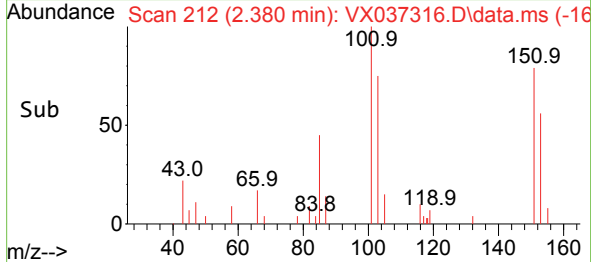
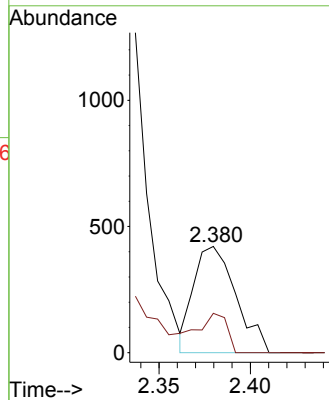
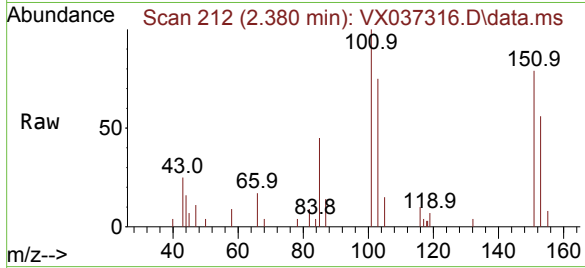
RE131D3-20230821

Tgt Ion: 43 Resp: 676

Ion Ratio Lower Upper

43 100

58 37.1 21.9 32.9#



#27

cis-1,2-Dichloroethene

Concen: 0.896 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX037316.D

Acq: 29 Aug 2023 03:33

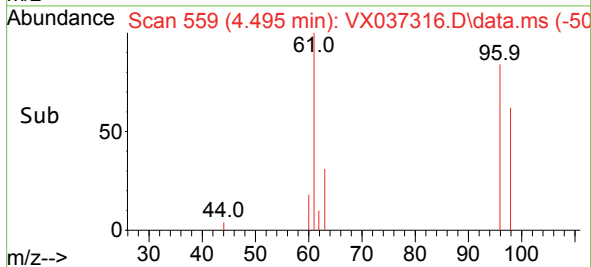
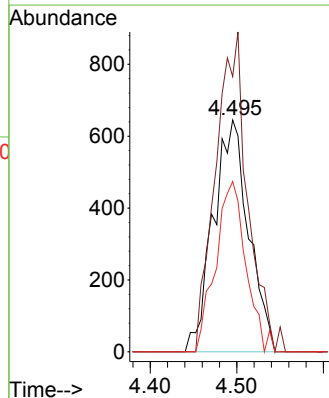
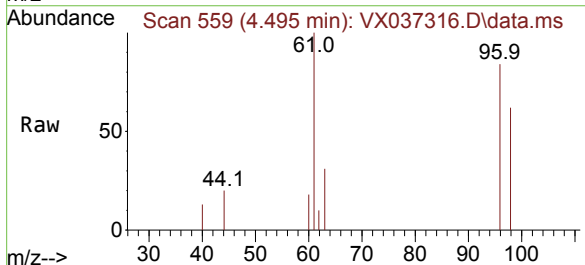
Tgt Ion: 96 Resp: 1828

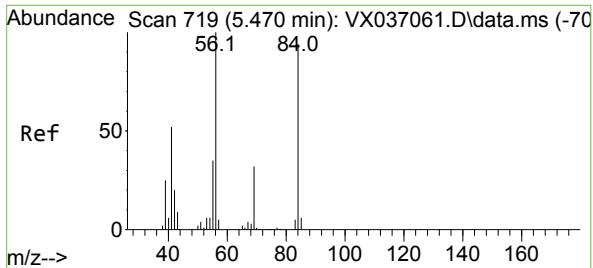
Ion Ratio Lower Upper

96 100

61 125.4 0.0 312.2

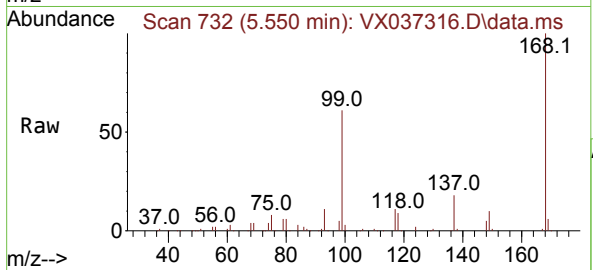
98 63.1 0.0 129.0



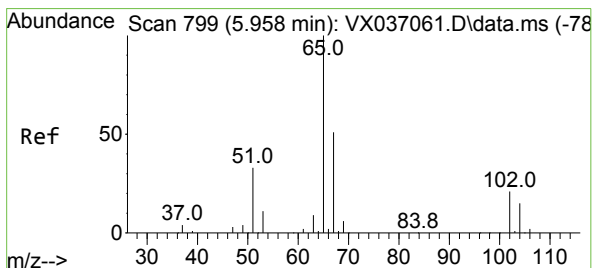
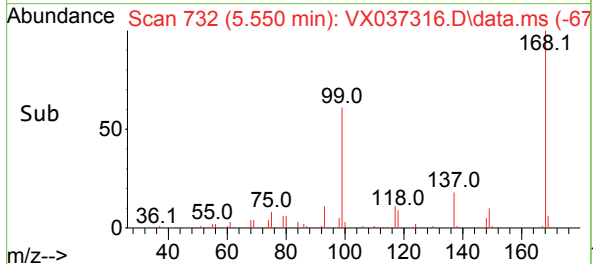
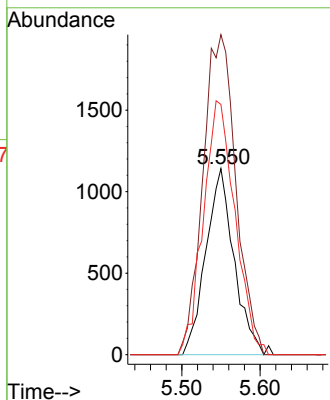


#31
Cyclohexane
Concen: 1.196 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20230821

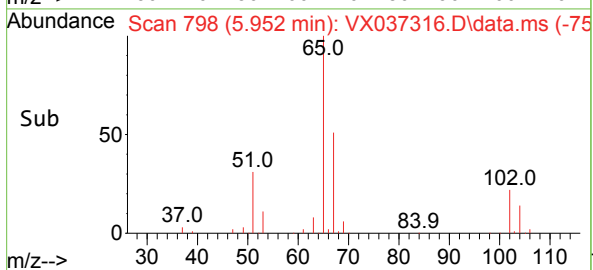
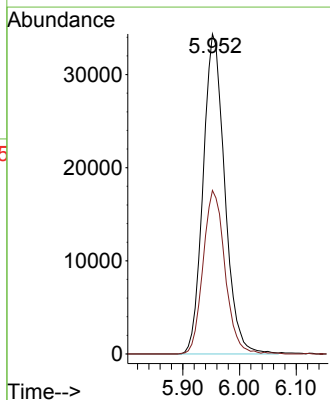
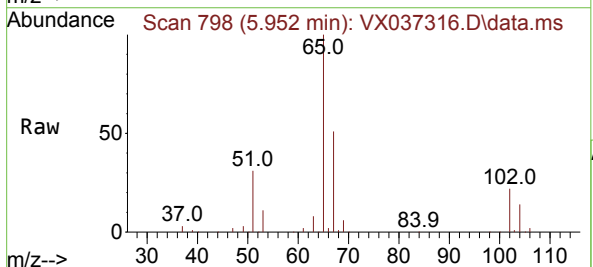


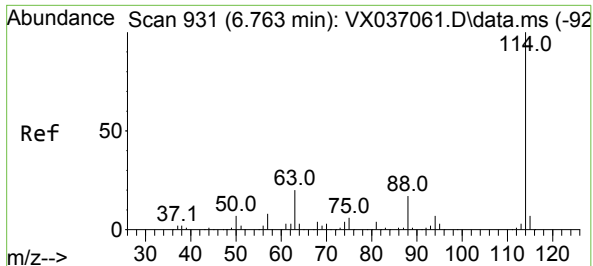
Tgt Ion: 56 Resp: 2869
Ion Ratio Lower Upper
56 100
69 172.0 23.4 35.2#
84 134.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.708 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

Tgt Ion: 65 Resp: 91103
Ion Ratio Lower Upper
65 100
67 51.6 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: VX037316.D

Acq: 29 Aug 2023 03:33

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20230821

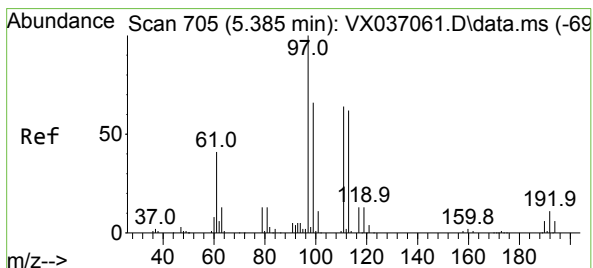
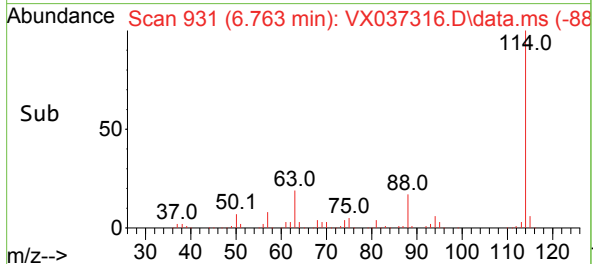
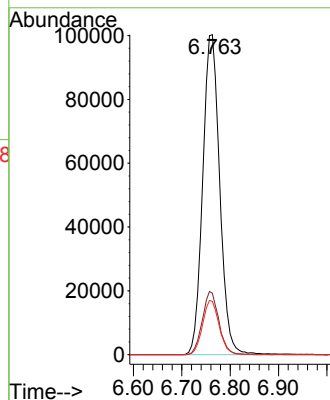
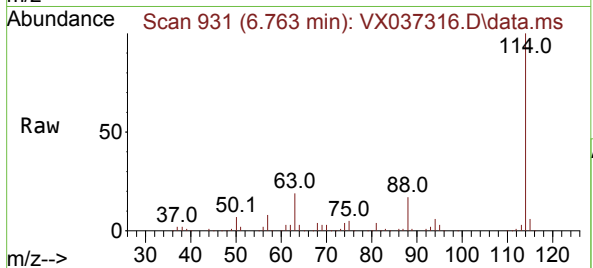
Tgt Ion:114 Resp: 244900

Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

88 16.6 0.0 36.6



#35

Dibromofluoromethane

Concen: 45.996 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX037316.D

Acq: 29 Aug 2023 03:33

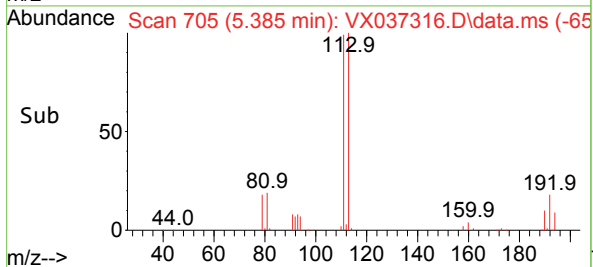
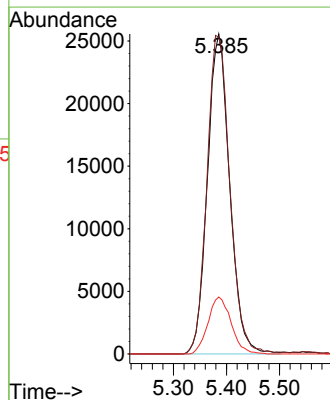
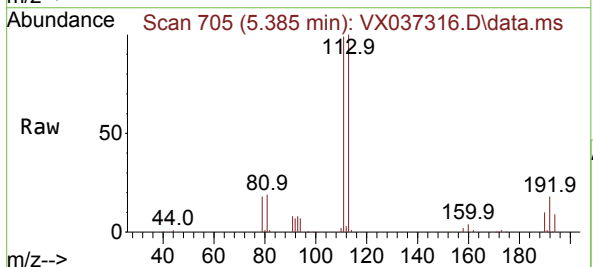
Tgt Ion:113 Resp: 74601

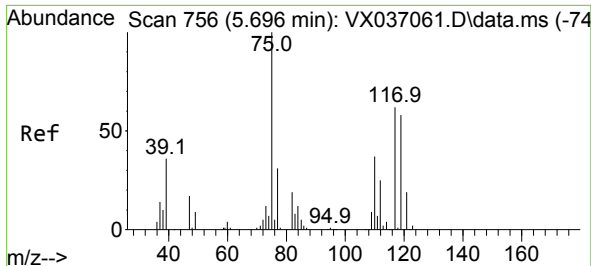
Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

192 18.5 13.3 19.9

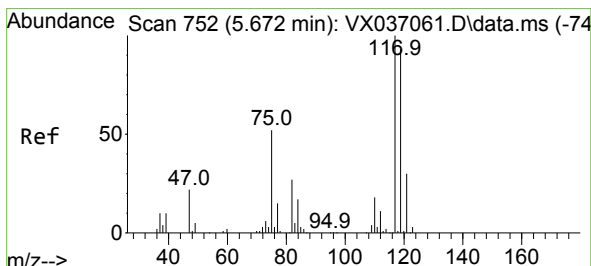
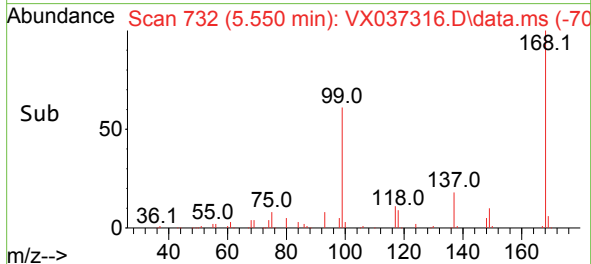
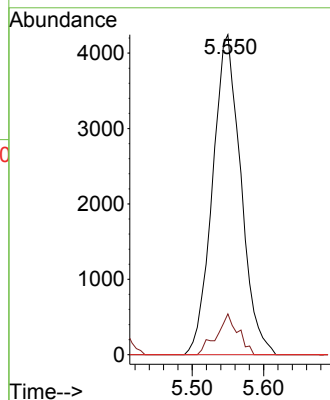
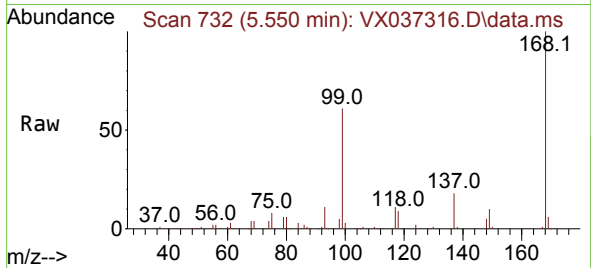




#36
1,1-Dichloropropene
Concen: 5.058 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

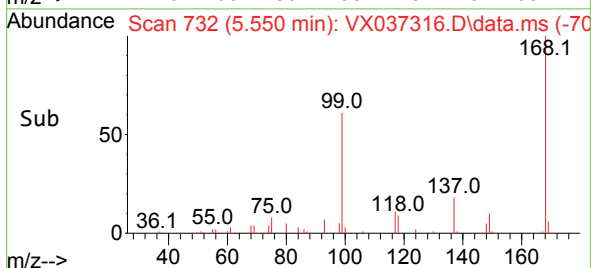
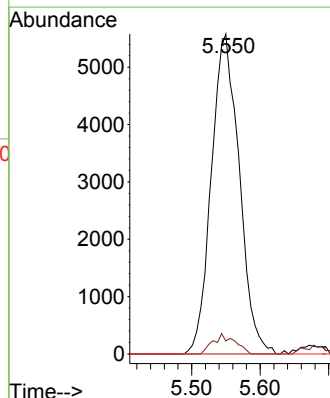
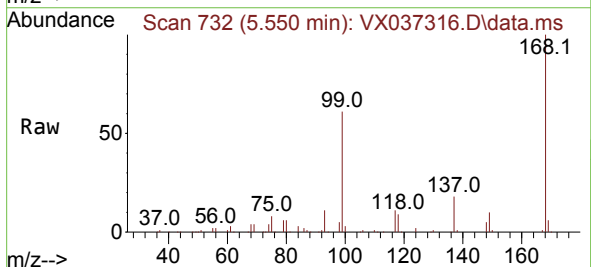
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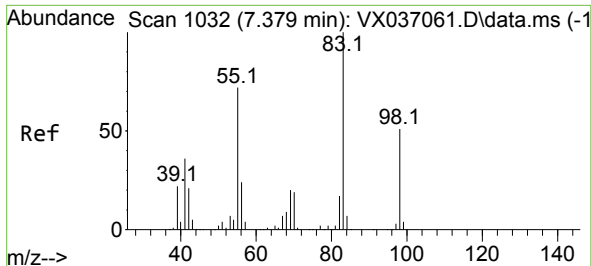
Tgt Ion: 75 Resp: 11655
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.307 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

Tgt Ion: 117 Resp: 15787
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.273 ug/l

RT: 7.117 min Scan# 91

Delta R.T. -0.262 min

Lab File: VX037316.D

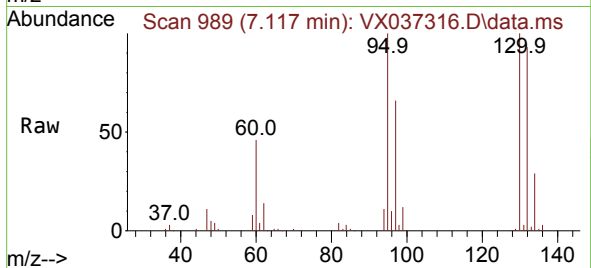
Acq: 29 Aug 2023 03:33

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20230821



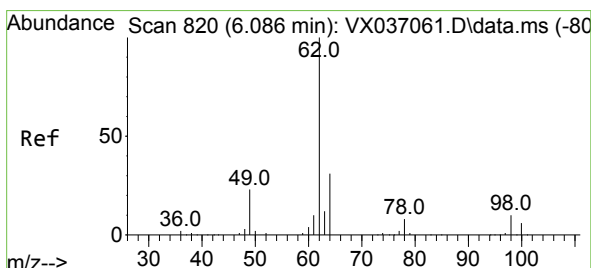
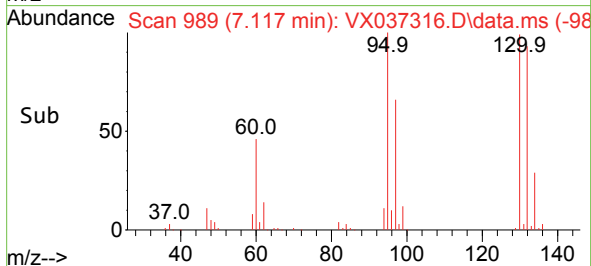
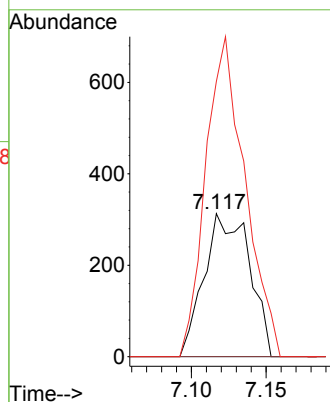
Tgt Ion: 83 Resp: 661

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 192.3 36.7 55.1#



#42

1,2-Dichloroethane

Concen: 0.248 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX037316.D

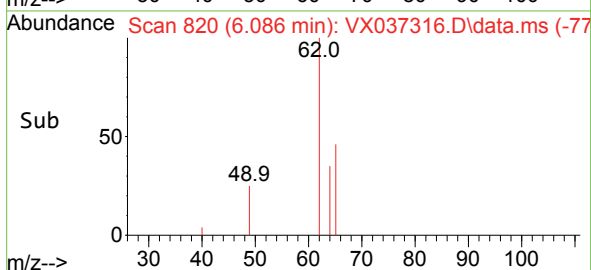
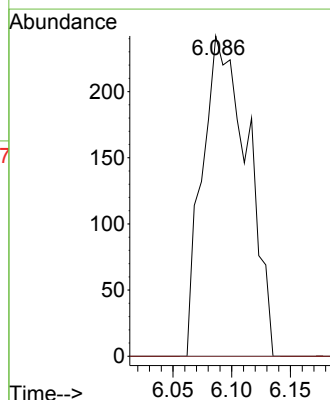
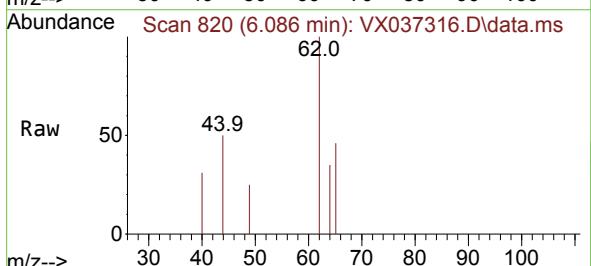
Acq: 29 Aug 2023 03:33

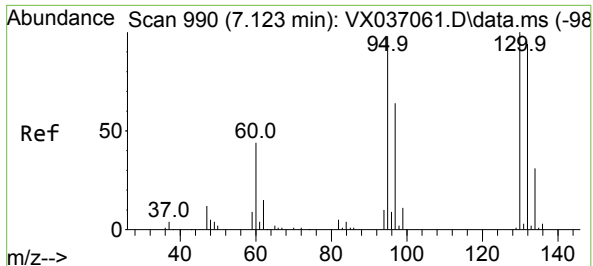
Tgt Ion: 62 Resp: 644

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0

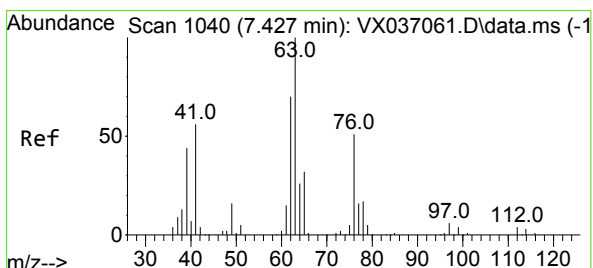
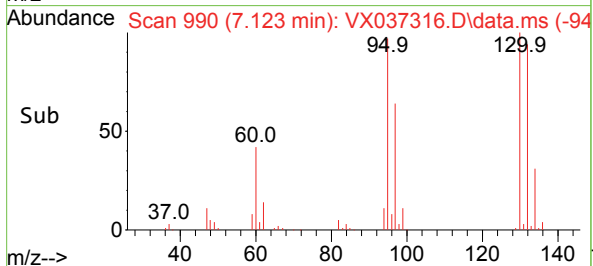
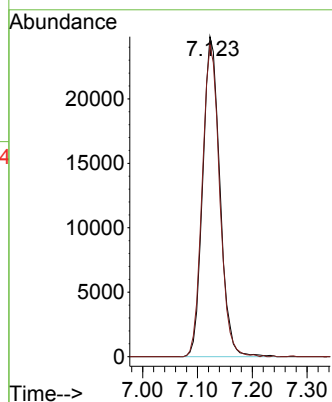
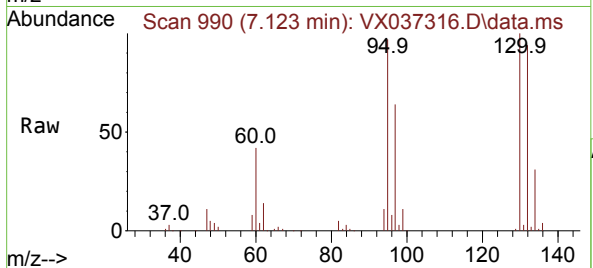




#44
Trichloroethene
Concen: 28.751 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

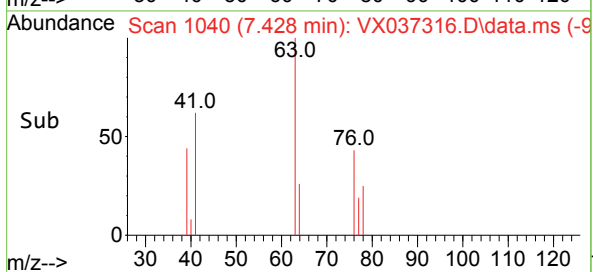
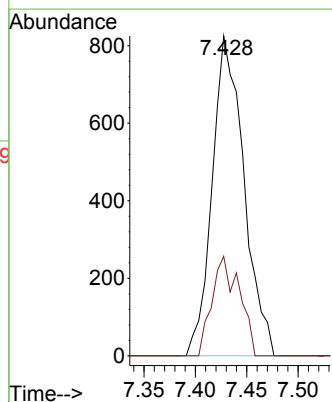
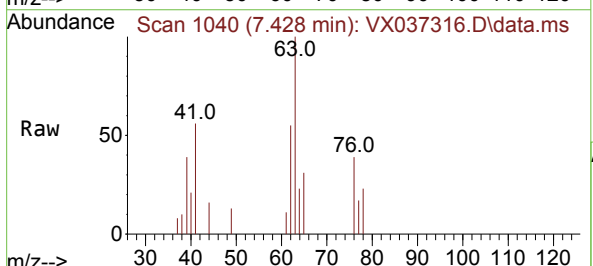
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20230821

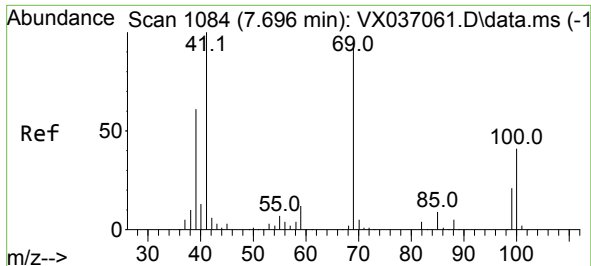
Tgt Ion:130 Resp: 53878
Ion Ratio Lower Upper
130 100
95 97.4 0.0 204.4



#45
1,2-Dichloropropane
Concen: 1.085 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

Tgt Ion: 63 Resp: 1768
Ion Ratio Lower Upper
63 100
65 31.2 24.3 36.5

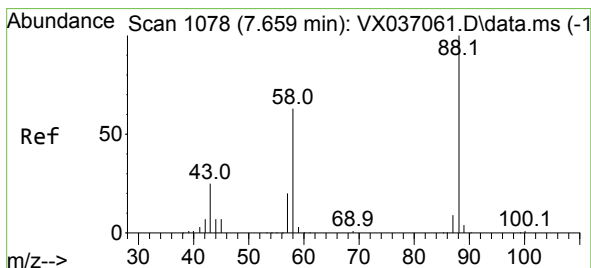
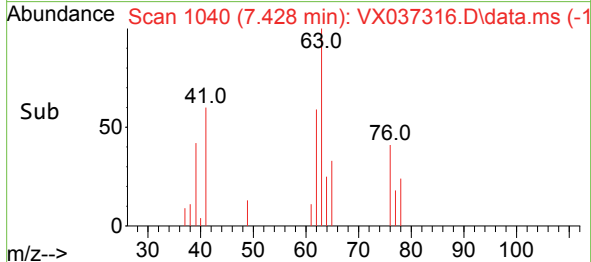
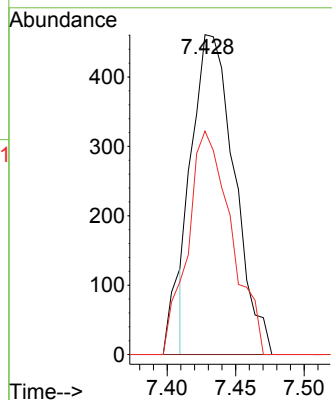
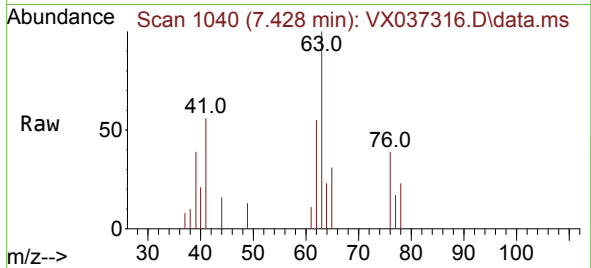




#48
Methyl methacrylate
Concen: 0.540 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. -0.268 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

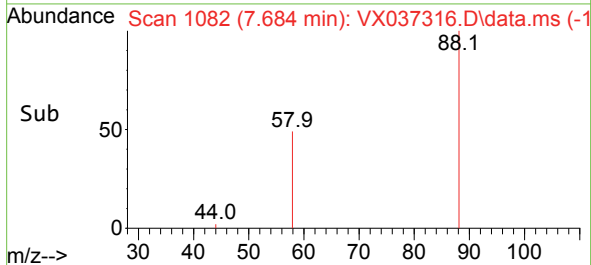
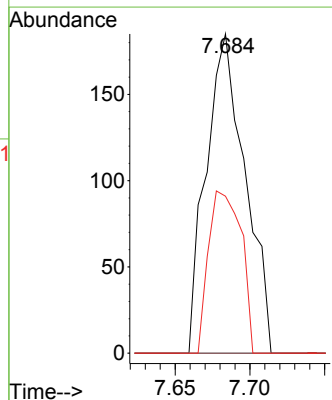
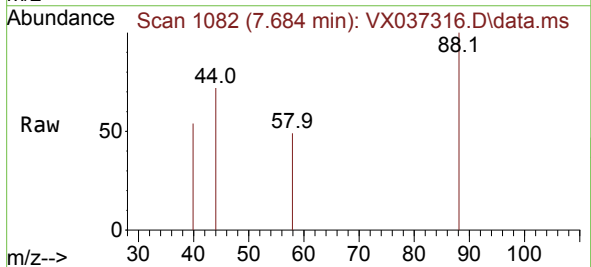
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20230821

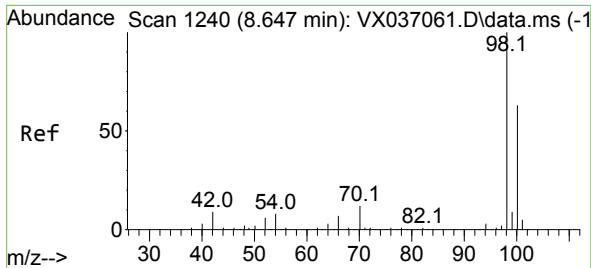
Tgt Ion: 41 Resp: 984
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 65.8 47.7 71.5



#49
1,4-Dioxane
Concen: 6.825 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.025 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

Tgt Ion: 88 Resp: 335
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 42.7 60.1 90.1#

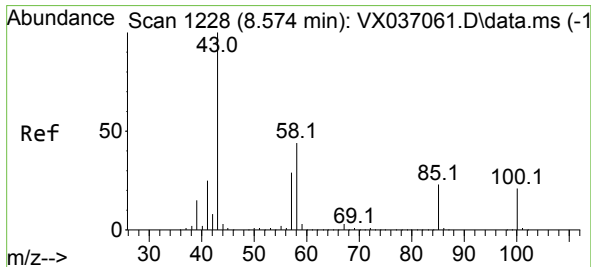
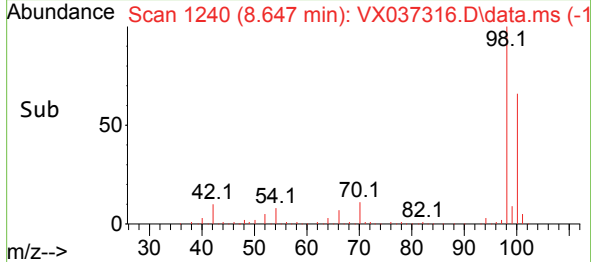
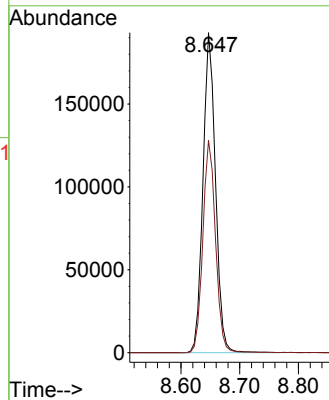
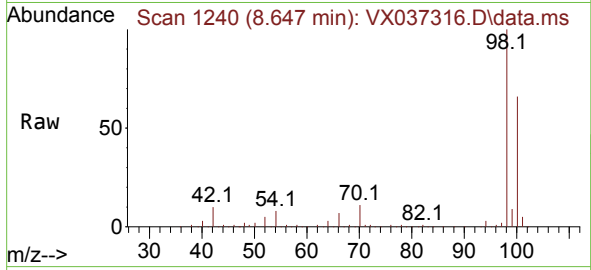




#50
Toluene-d8
Concen: 48.531 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

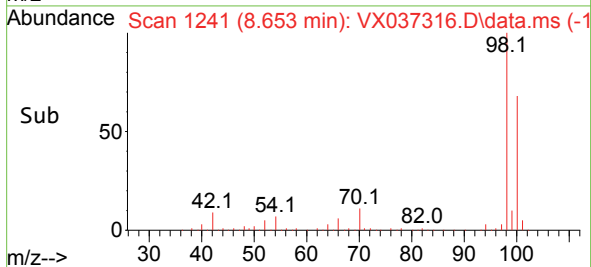
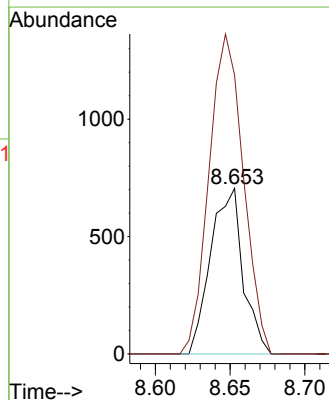
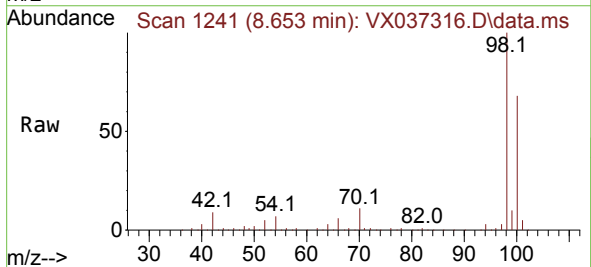
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20230821

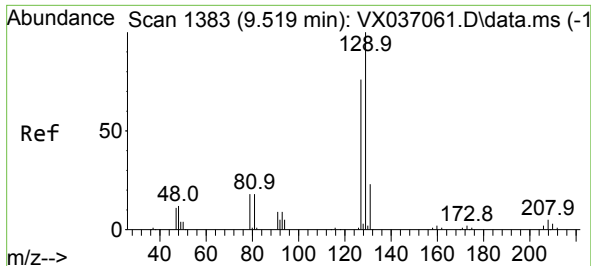
Tgt Ion: 98 Resp: 285524
Ion Ratio Lower Upper
98 100
100 67.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.468 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

Tgt Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
58 204.8 30.4 45.6#

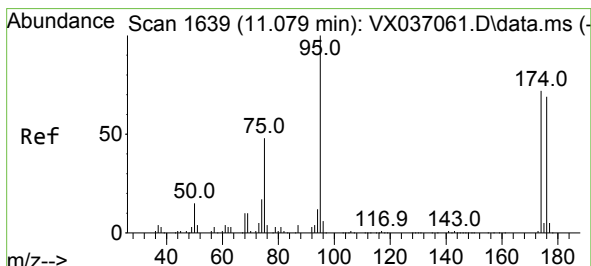
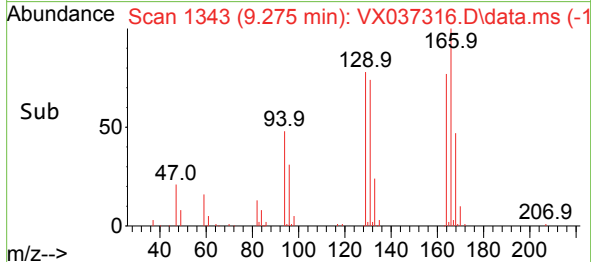
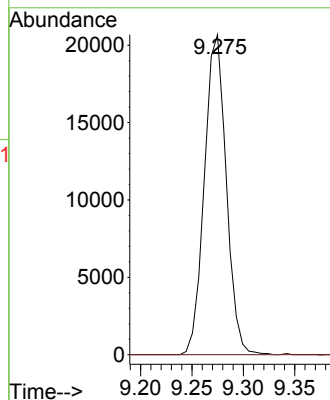
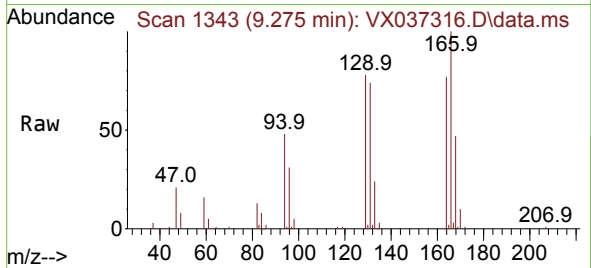




#60
Dibromochloromethane
Concen: 16.179 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

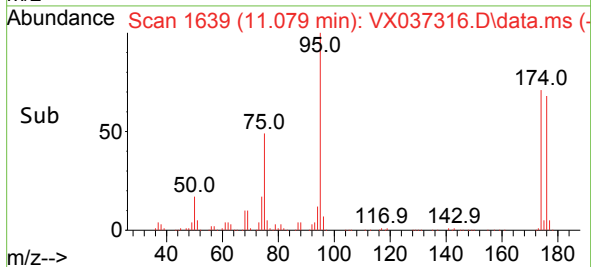
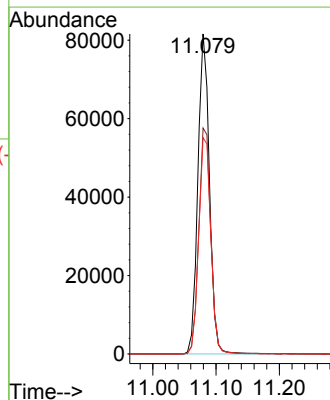
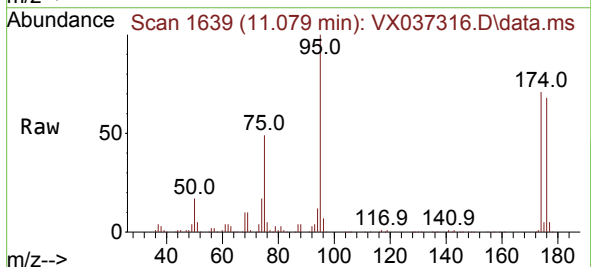
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20230821

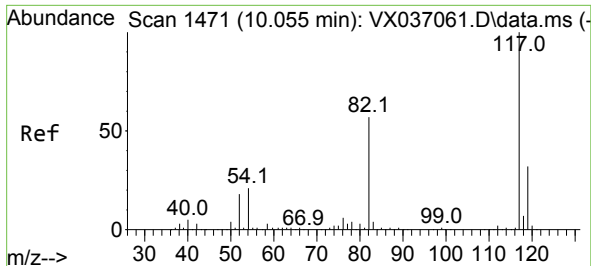
Tgt Ion:129 Resp: 30628
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 44.932 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

Tgt Ion: 95 Resp: 103885
Ion Ratio Lower Upper
95 100
174 73.2 0.0 135.6
176 70.8 0.0 131.0

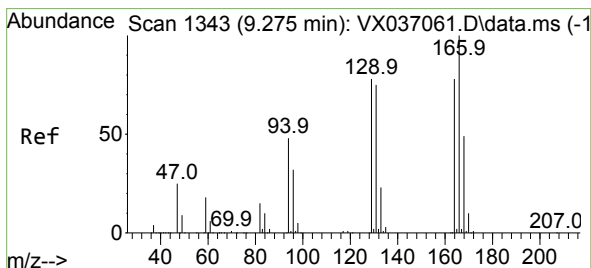
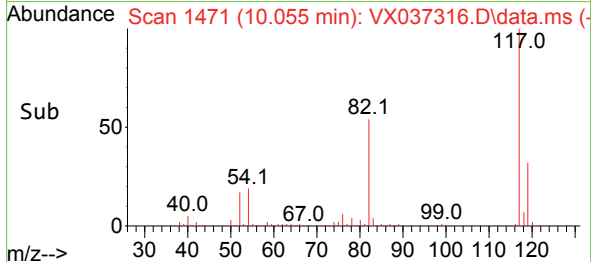
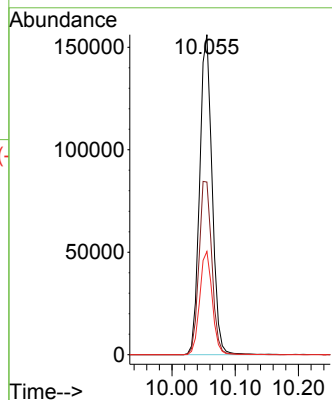
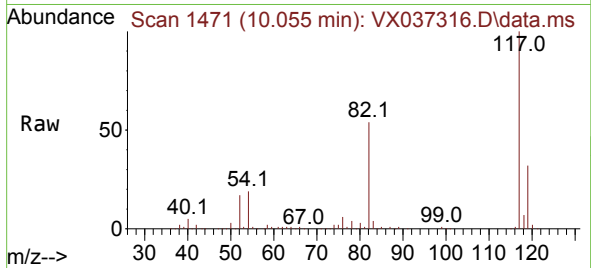




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

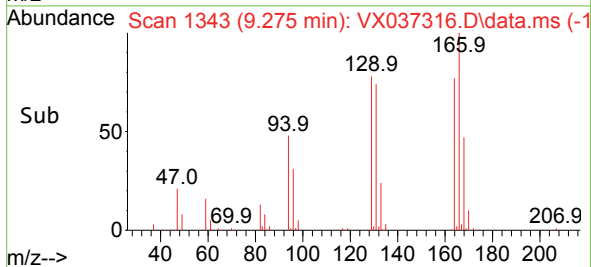
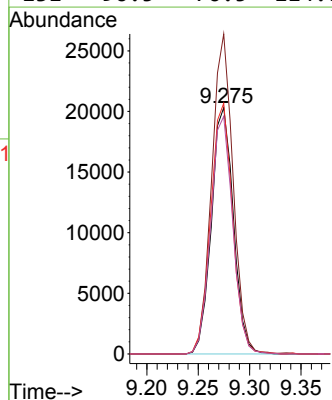
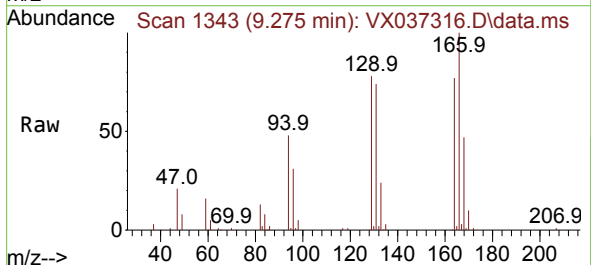
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20230821

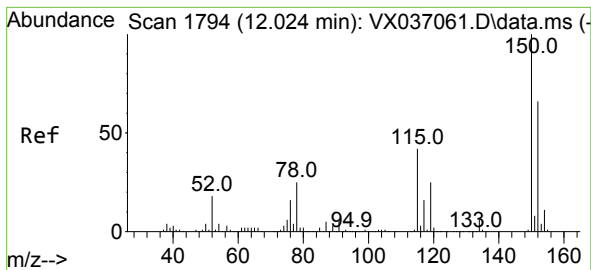
Tgt Ion:117 Resp: 214064
Ion Ratio Lower Upper
117 100
82 54.0 46.2 69.4
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 19.290 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

Tgt Ion:164 Resp: 30124
Ion Ratio Lower Upper
164 100
166 129.9 102.7 154.1
129 101.8 80.4 120.6
131 96.5 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: VX037316.D

Acq: 29 Aug 2023 03:33

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20230821

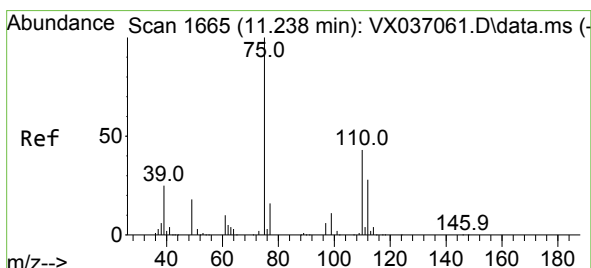
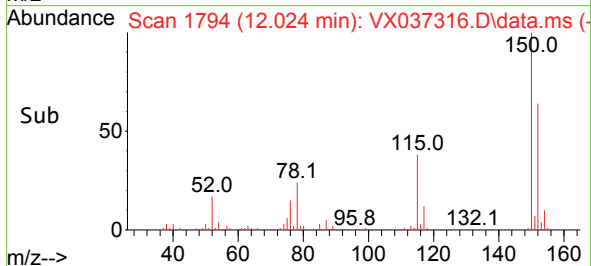
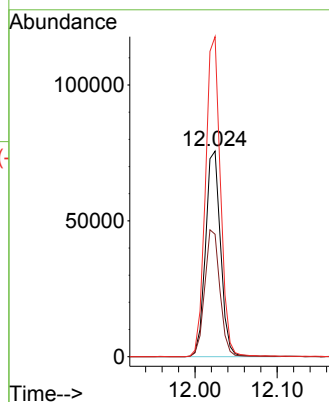
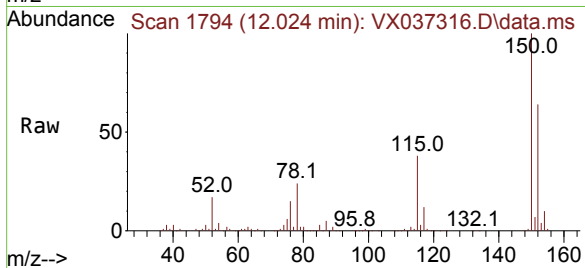
Tgt Ion:152 Resp: 96323

Ion Ratio Lower Upper

152 100

115 62.1 43.3 129.9

150 155.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.821 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037316.D

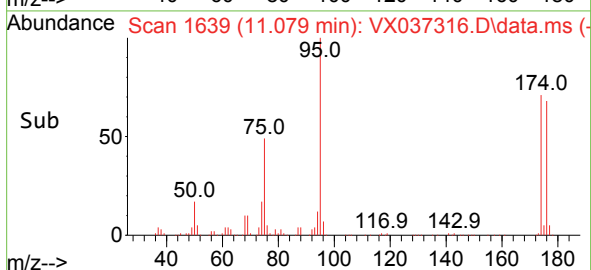
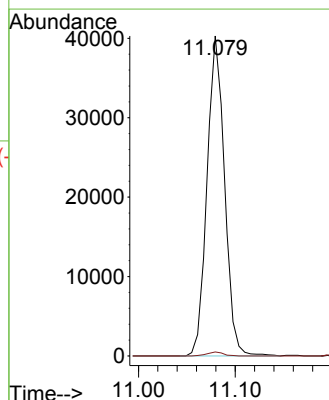
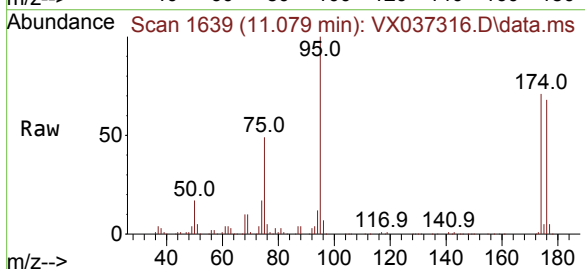
Acq: 29 Aug 2023 03:33

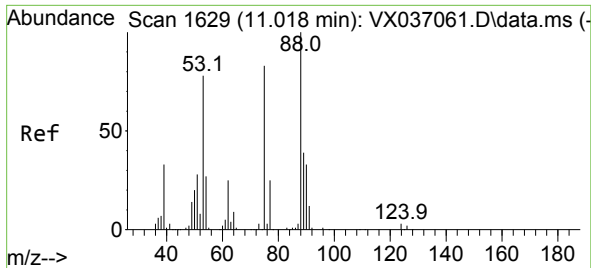
Tgt Ion: 75 Resp: 50917

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

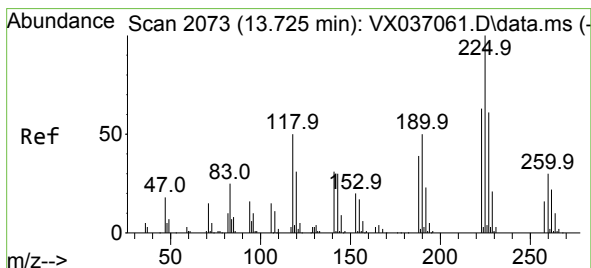
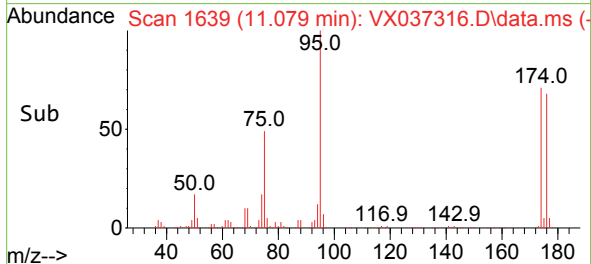
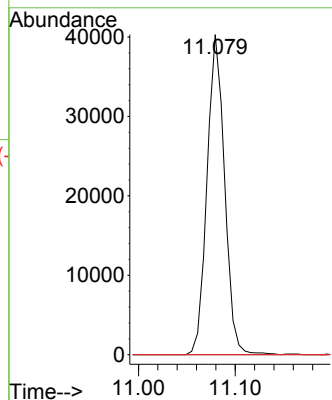
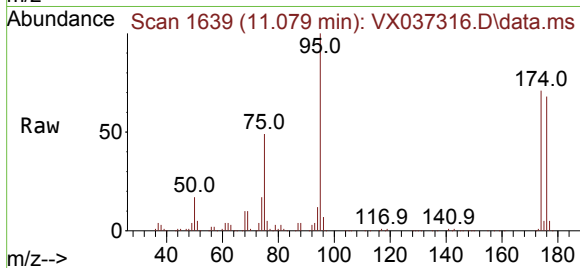




#81
trans-1,4-Dichloro-2-butene
Concen: 69.326 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20230821

Tgt Ion: 75 Resp: 50917
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#94
Hexachlorobutadiene
Concen: 0.215 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX037316.D
Acq: 29 Aug 2023 03:33

Tgt Ion: 225 Resp: 152
Ion Ratio Lower Upper
225 100
223 16.4 31.1 93.2#
227 35.5 32.5 97.5

