

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082323\
 Data File : VX037194.D
 Acq On : 23 Aug 2023 19:30
 Operator : JC/MD
 Sample : 04051-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D1-20230816

Quant Time: Aug 24 05:37:34 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)

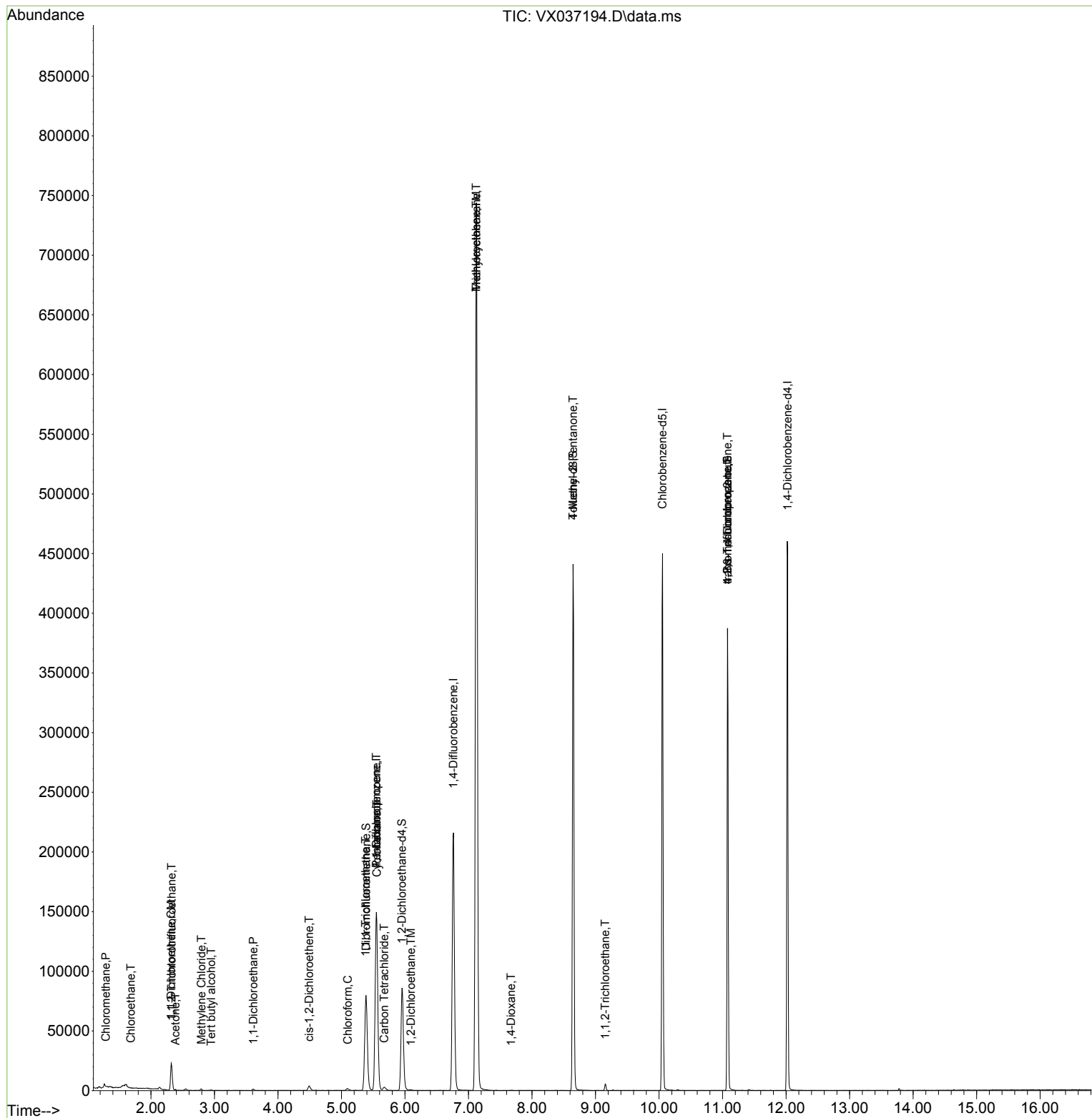
Internal Standards						
1) Pentafluorobenzene	5.550	168	138052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	225868	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86852	43.638	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.280%
35) Dibromofluoromethane	5.385	113	70018	46.808	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.620%
50) Toluene-d8	8.647	98	266370	49.091	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.180%
62) 4-Bromofluorobenzene	11.079	95	103695	48.629	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.260%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	478	0.341	ug/l #	43
6) Chloroethane	1.685	64	254	0.283	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	5156	3.533	ug/l	91
11) Tert butyl alcohol	2.947	59	194	0.416	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	3963	2.789	ug/l #	75
16) Acetone	2.386	43	719	0.923	ug/l	93
20) Methylene Chloride	2.794	84	687	0.395	ug/l #	78
24) 1,1-Dichloroethane	3.611	63	1487	0.525	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	2500	1.313	ug/l	84
30) Chloroform	5.099	83	1966	0.619	ug/l	92
31) Cyclohexane	5.556	56	2885	1.289	ug/l #	4
32) 1,1,1-Trichloroethane	5.379	97	661	0.232	ug/l #	47
36) 1,1-Dichloropropene	5.550	75	11507	5.414	ug/l #	50
38) Carbon Tetrachloride	5.672	117	2367	1.025	ug/l	90
39) Methylcyclohexane	7.123	83	3499	1.567	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	580	0.243	ug/l #	77
44) Trichloroethene	7.123	130	290244	167.935	ug/l	97
49) 1,4-Dioxane	7.671	88	191	4.219	ug/l #	85
51) 4-Methyl-2-Pentanone	8.647	43	1028	0.491	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	1587	0.968	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	53163	26.089	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	53163	72.869	ug/l #	5

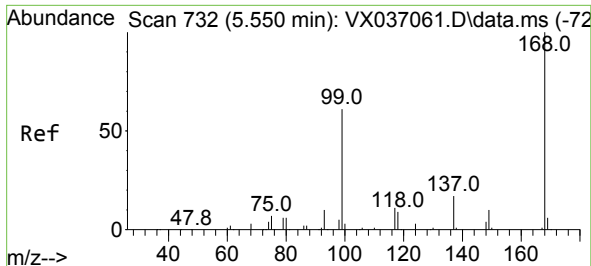
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration

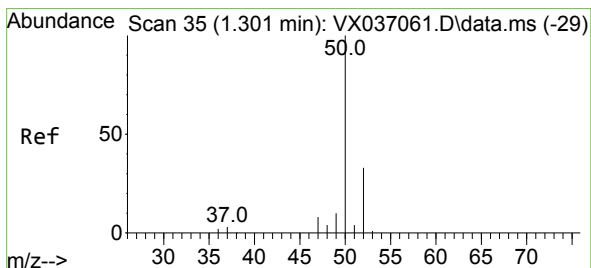
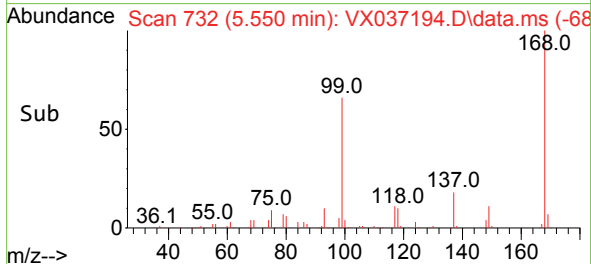
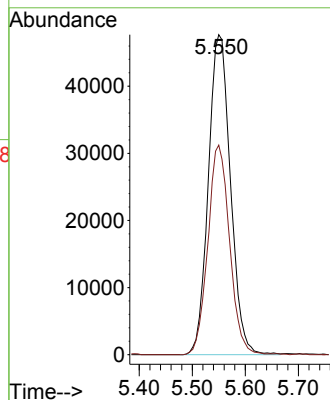
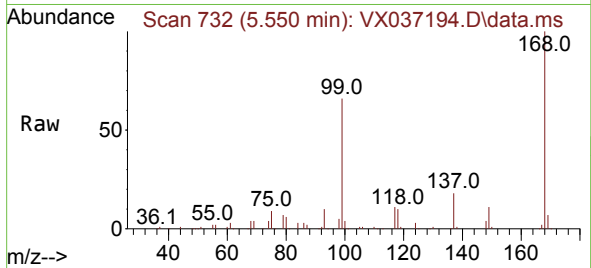




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

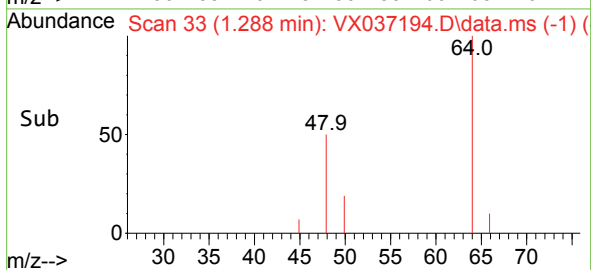
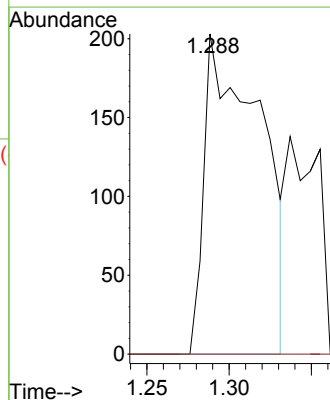
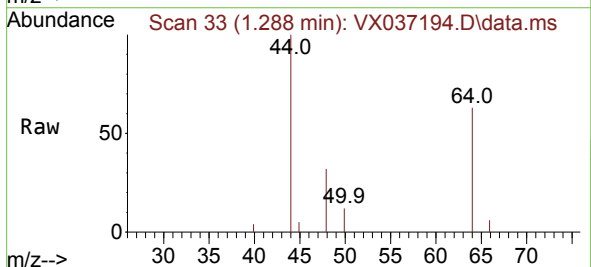
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MSVOA_X
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RE139D1-20230816

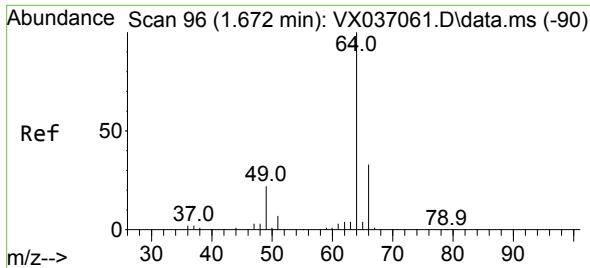
Tgt Ion:168 Resp: 138052
Ion Ratio Lower Upper
168 100
99 65.5 56.6 85.0



#3
Chloromethane
Concen: 0.341 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.012 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

Tgt Ion: 50 Resp: 478
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

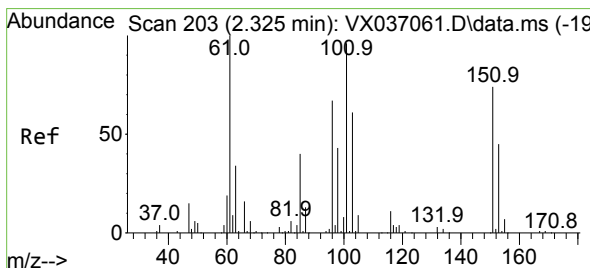
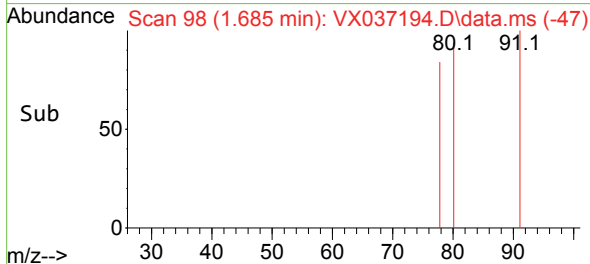
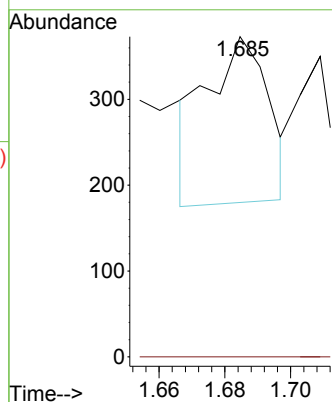
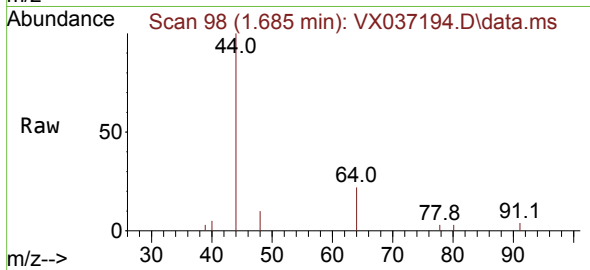




#6
Chloroethane
Concen: 0.283 ug/l
RT: 1.685 min Scan# 96
Delta R.T. 0.013 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

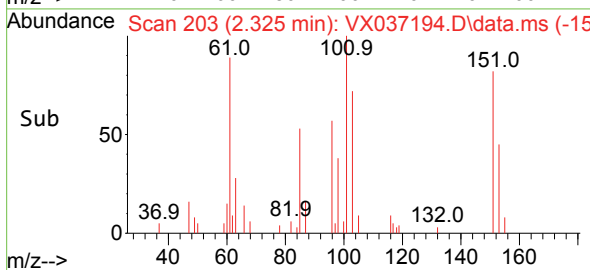
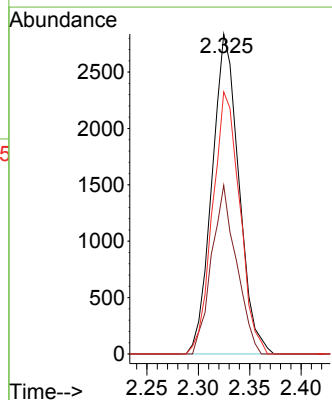
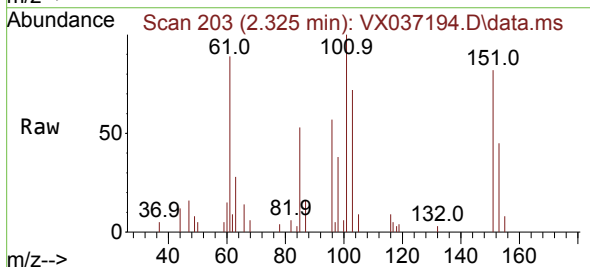
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816

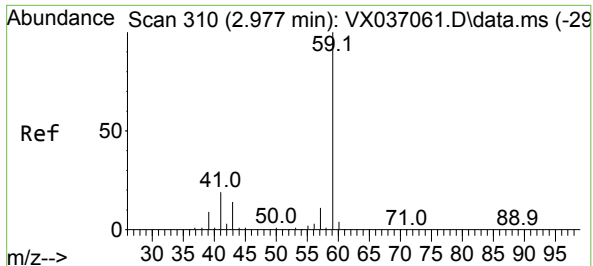
Tgt Ion: 64 Resp: 254
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.533 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

Tgt Ion: 101 Resp: 5156
Ion Ratio Lower Upper
101 100
85 48.9 37.0 55.6
151 82.8 58.6 87.8





#11

Tert butyl alcohol

Concen: 0.416 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.030 min

Lab File: VX037194.D

Acq: 23 Aug 2023 19:30

Instrument :

MSVOA_X

ClientSampleId :

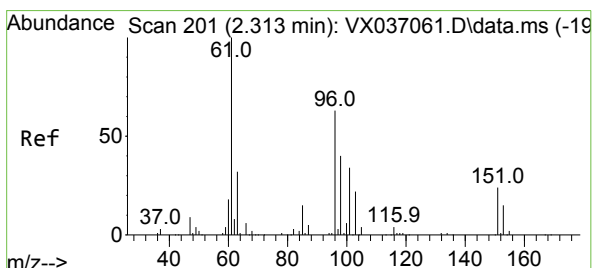
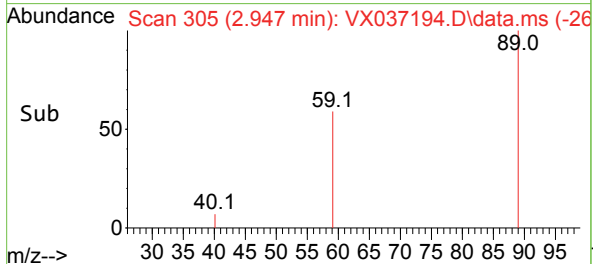
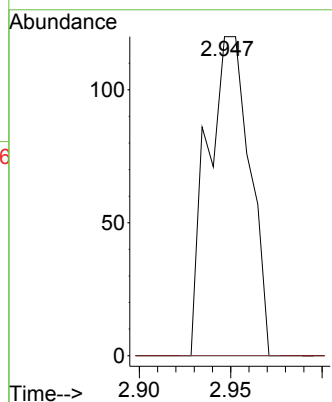
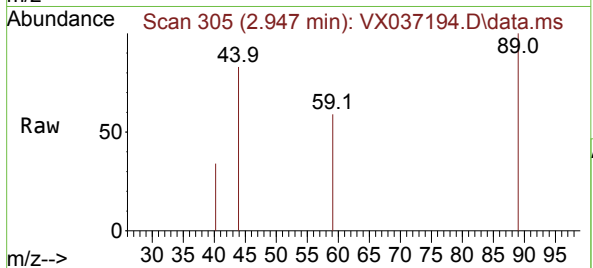
RE139D1-20230816

Tgt Ion: 59 Resp: 194

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 2.789 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037194.D

Acq: 23 Aug 2023 19:30

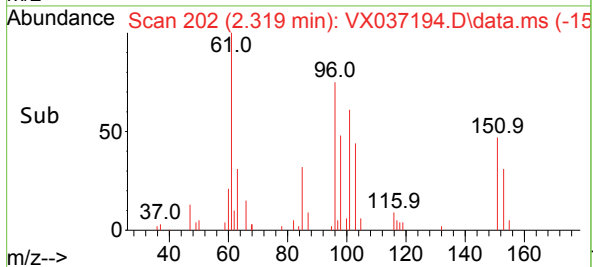
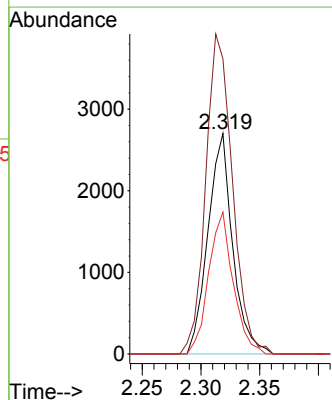
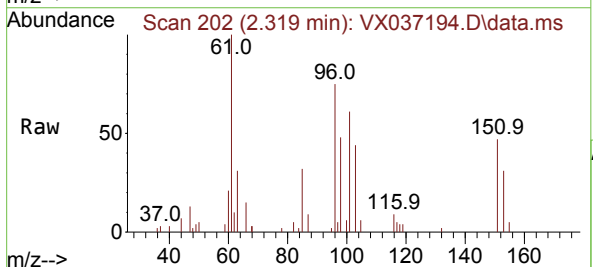
Tgt Ion: 96 Resp: 3963

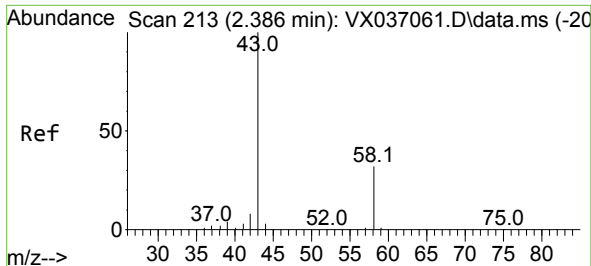
Ion Ratio Lower Upper

96 100

61 133.8 144.6 216.8#

98 64.4 50.4 75.6

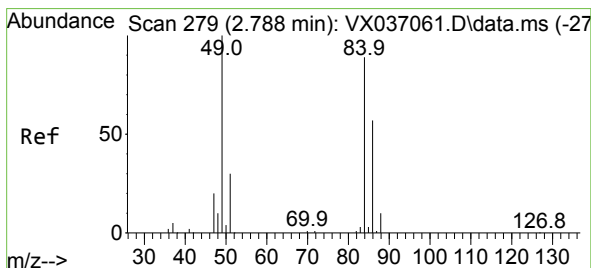
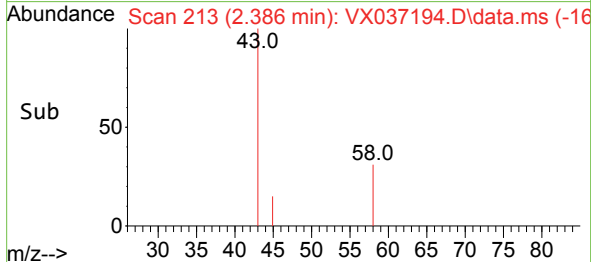
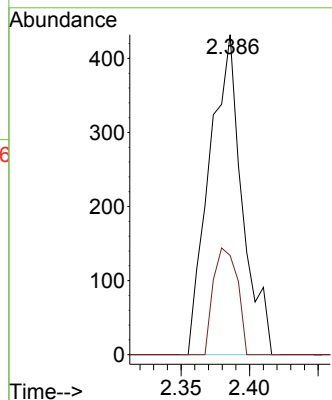
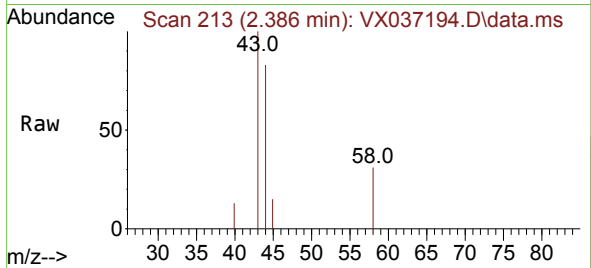




#16
Acetone
Concen: 0.923 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

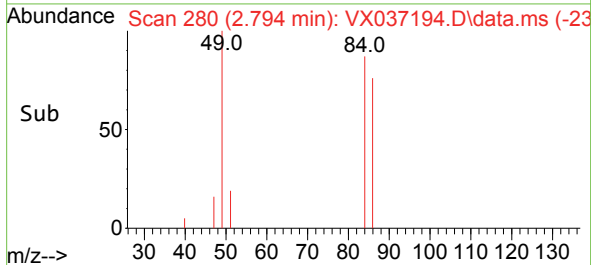
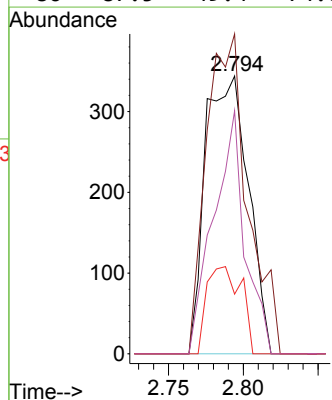
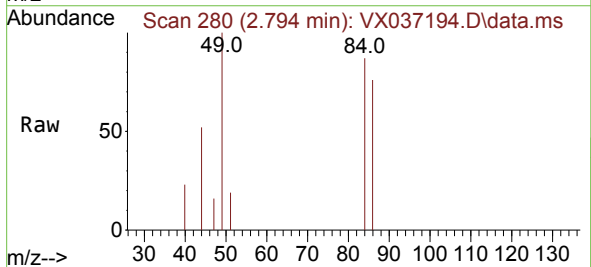
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816

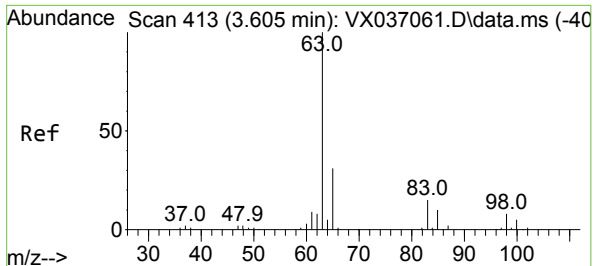
Tgt Ion: 43 Resp: 719
Ion Ratio Lower Upper
43 100
58 31.0 21.9 32.9



#20
Methylene Chloride
Concen: 0.395 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

Tgt Ion: 84 Resp: 687
Ion Ratio Lower Upper
84 100
49 115.1 103.6 155.4
51 21.5 33.8 50.6#
86 87.5 49.4 74.0#

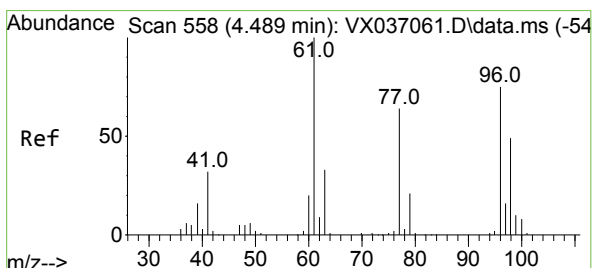
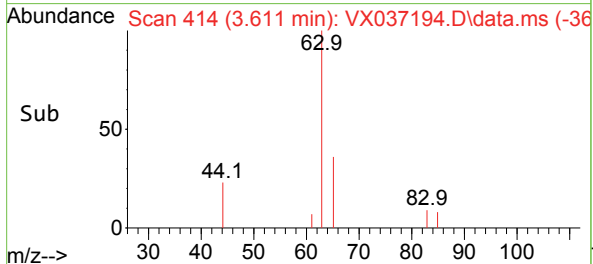
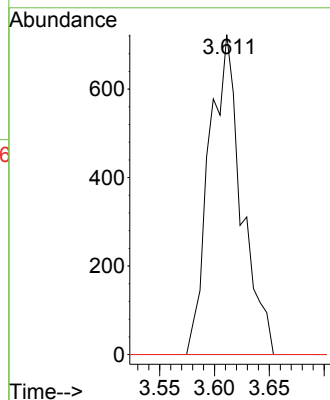
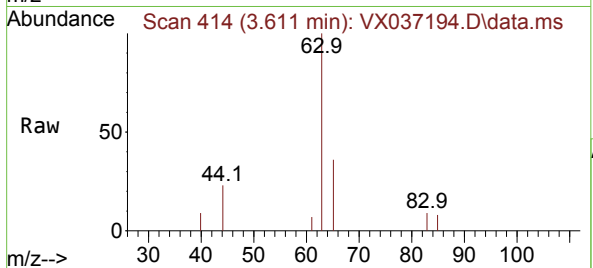




#24
1,1-Dichloroethane
Concen: 0.525 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

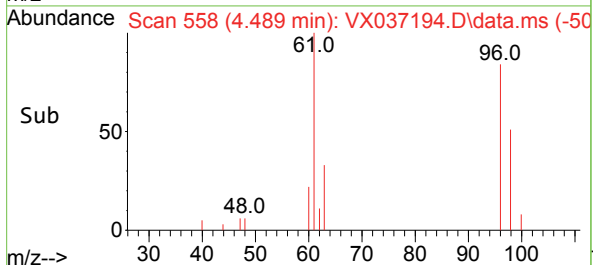
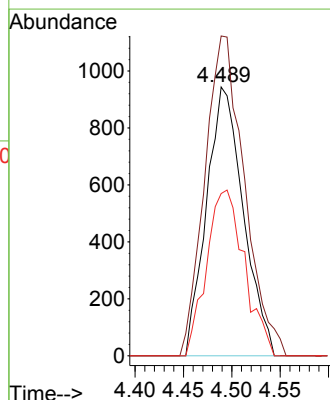
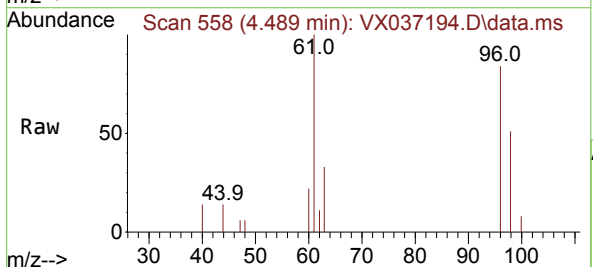
Instrument :
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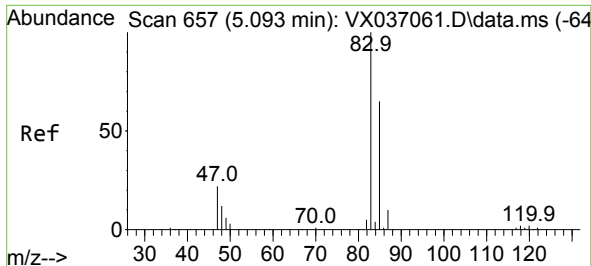
Tgt Ion: 63 Resp: 1487
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 1.313 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

Tgt Ion: 96 Resp: 2500
Ion Ratio Lower Upper
96 100
61 128.1 0.0 312.2
98 63.4 0.0 129.0





#30

Chloroform

Concen: 0.619 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX037194.D

Acq: 23 Aug 2023 19:30

Instrument :

MSVOA_X

ClientSampleId :

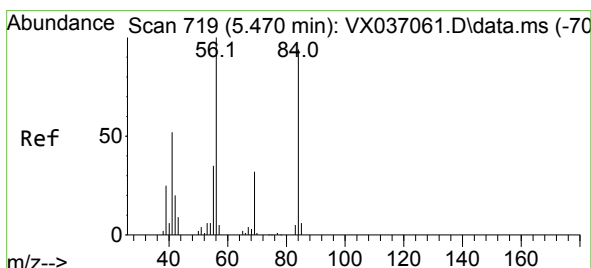
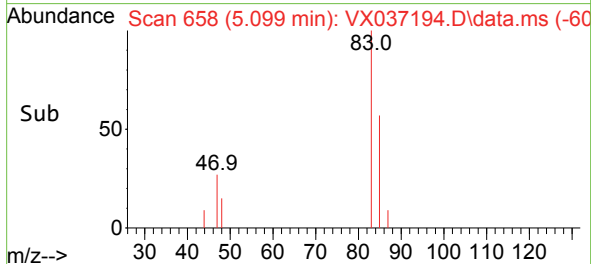
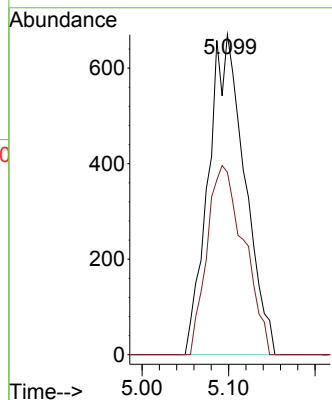
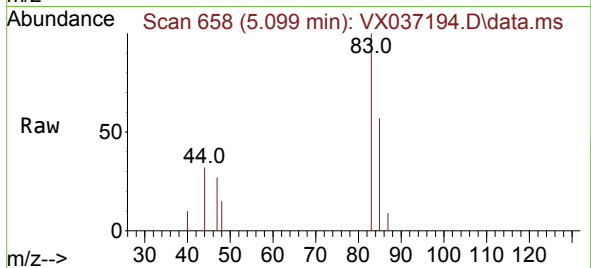
RE139D1-20230816

Tgt Ion: 83 Resp: 1966

Ion Ratio Lower Upper

83 100

85 57.0 50.3 75.5



#31

Cyclohexane

Concen: 1.289 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037194.D

Acq: 23 Aug 2023 19:30

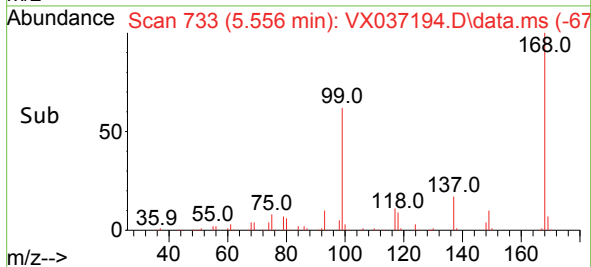
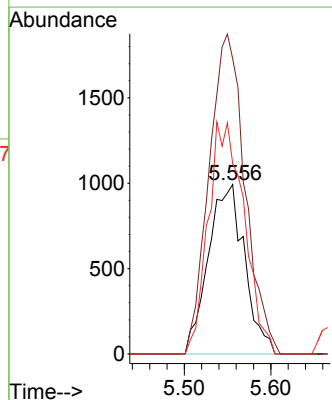
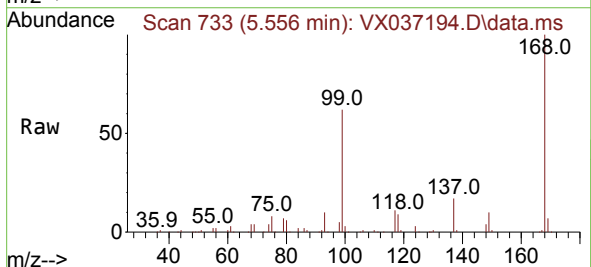
Tgt Ion: 56 Resp: 2885

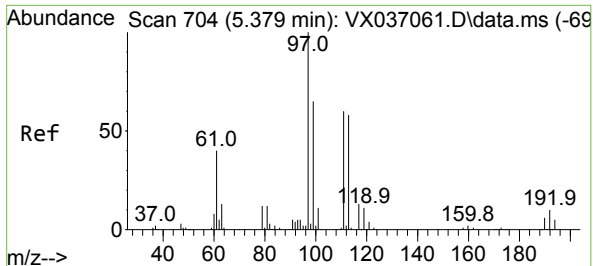
Ion Ratio Lower Upper

56 100

69 174.3 23.4 35.2#

84 112.4 65.9 98.9#

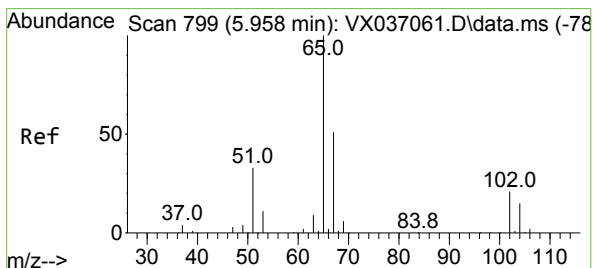
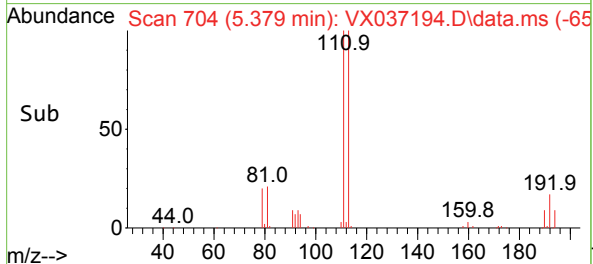
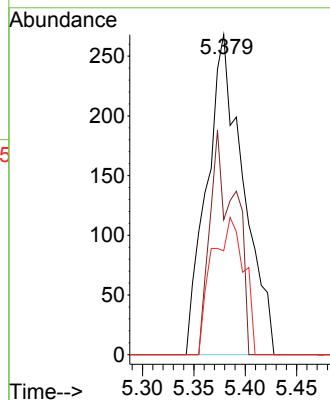
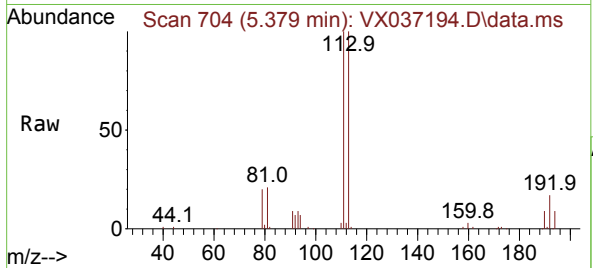




#32
 1,1,1-Trichloroethane
 Concen: 0.232 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX037194.D
 Acq: 23 Aug 2023 19:30

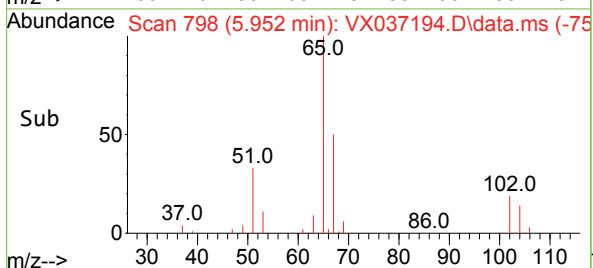
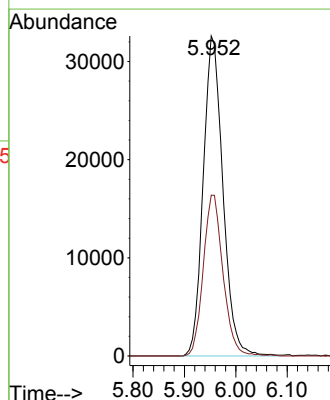
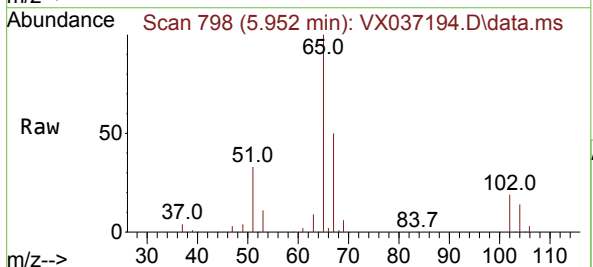
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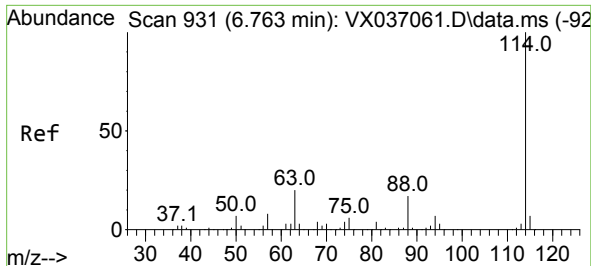
Tgt Ion: 97 Resp: 661
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.1 76.7#
 61 37.5 36.4 54.6



#33
 1,2-Dichloroethane-d4
 Concen: 43.638 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: VX037194.D
 Acq: 23 Aug 2023 19:30

Tgt Ion: 65 Resp: 86852
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 100.2

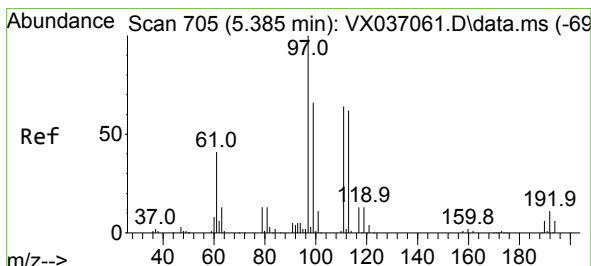
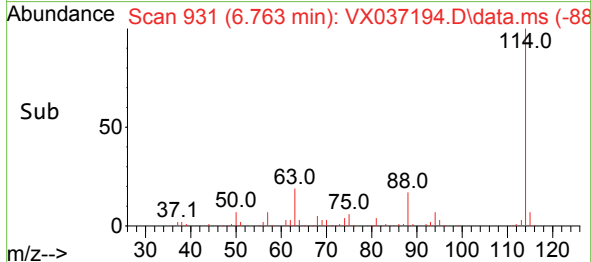
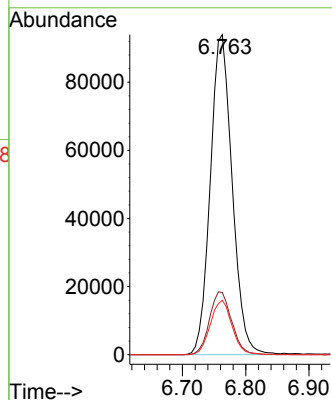
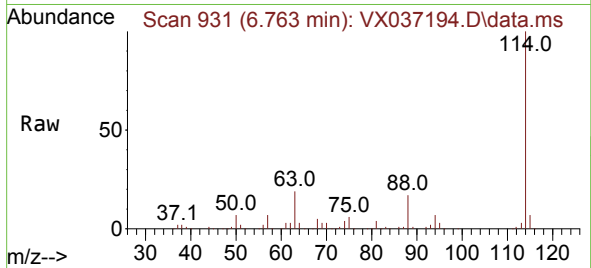




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

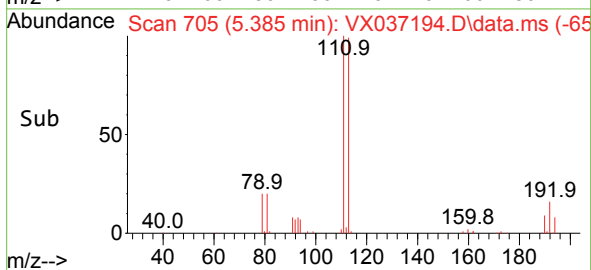
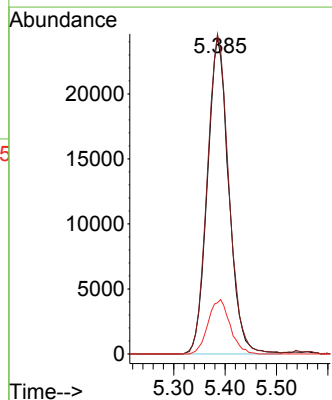
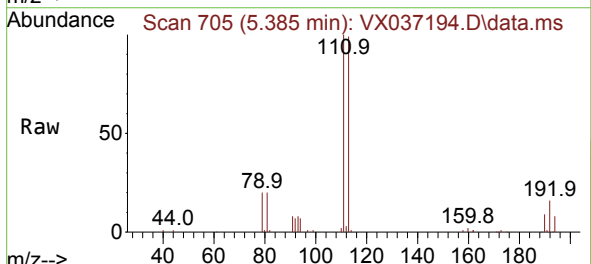
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816

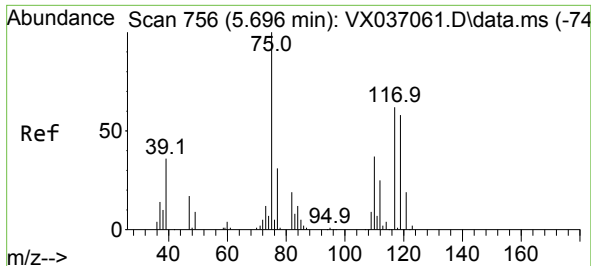
Tgt Ion:114 Resp: 225868
Ion Ratio Lower Upper
114 100
63 19.5 0.0 45.0
88 17.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.808 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

Tgt Ion:113 Resp: 70018
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 17.7 13.3 19.9

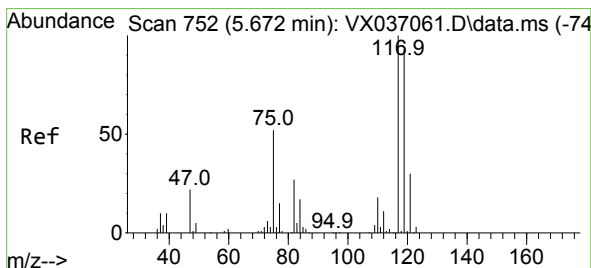
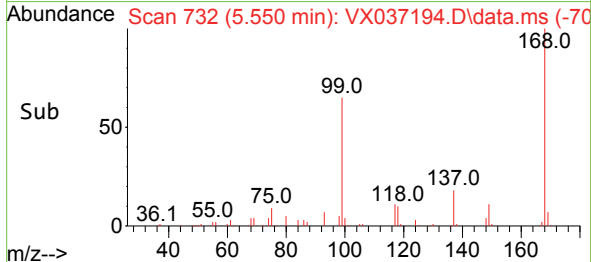
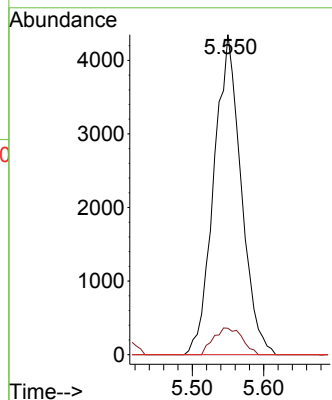
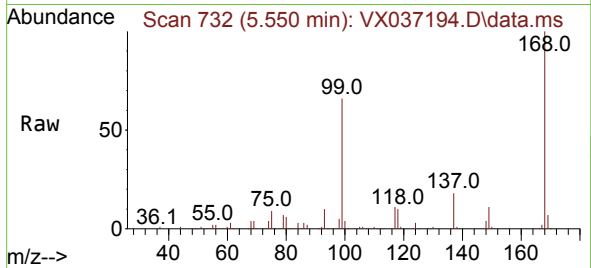




#36
1,1-Dichloropropene
Concen: 5.414 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

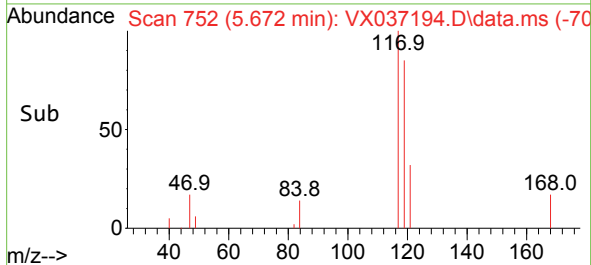
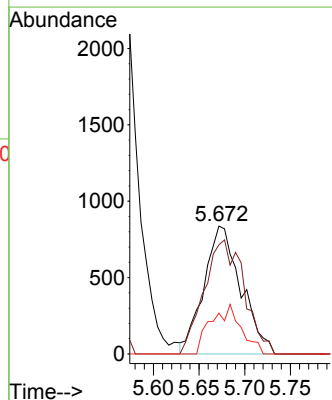
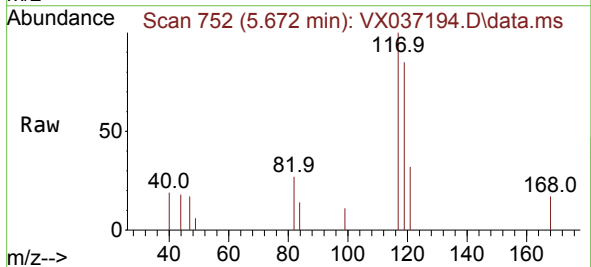
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816

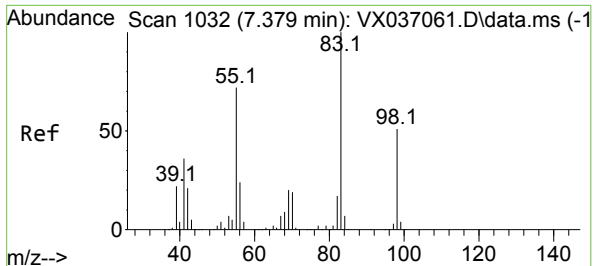
Tgt Ion: 75 Resp: 11507
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 1.025 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

Tgt Ion: 117 Resp: 2367
Ion Ratio Lower Upper
117 100
119 85.3 78.2 117.2
121 31.9 24.4 36.6

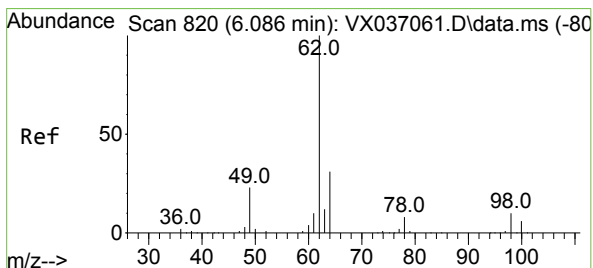
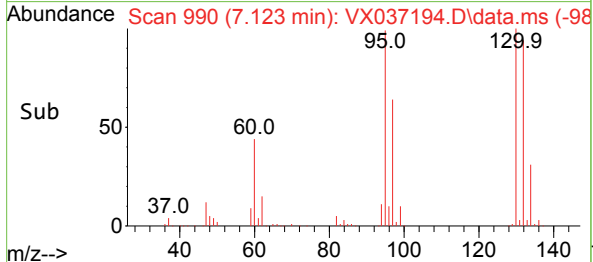
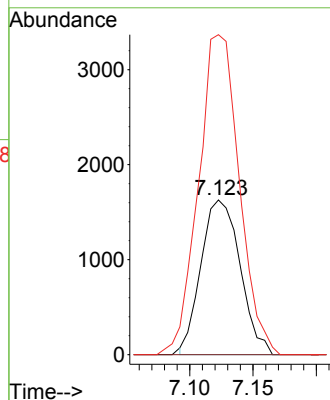
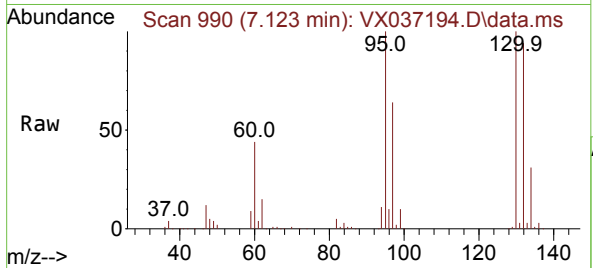




#39
Methylcyclohexane
Concen: 1.567 ug/l
RT: 7.123 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

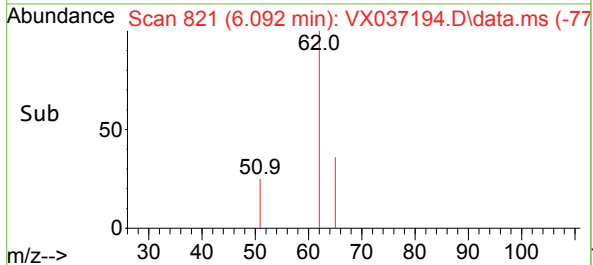
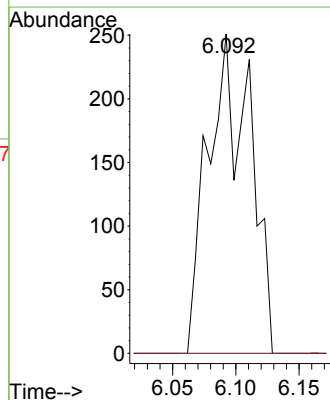
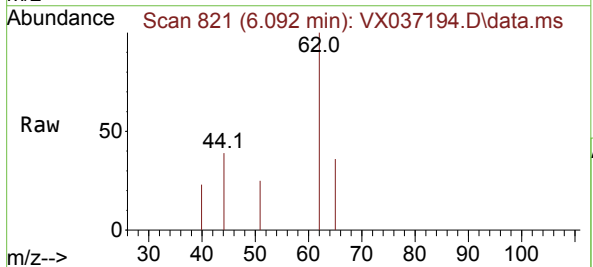
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816

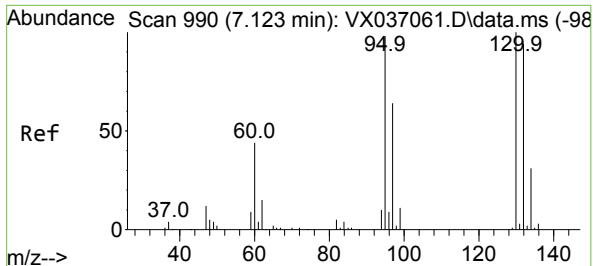
Tgt Ion: 83 Resp: 3499
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 206.8 36.7 55.1#



#42
1,2-Dichloroethane
Concen: 0.243 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

Tgt Ion: 62 Resp: 580
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

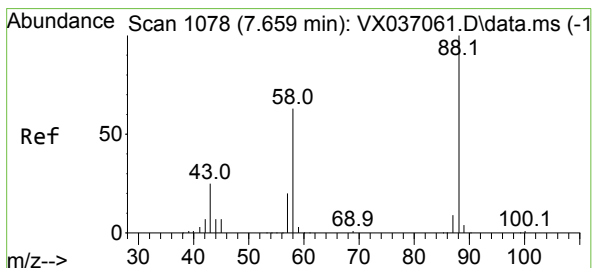
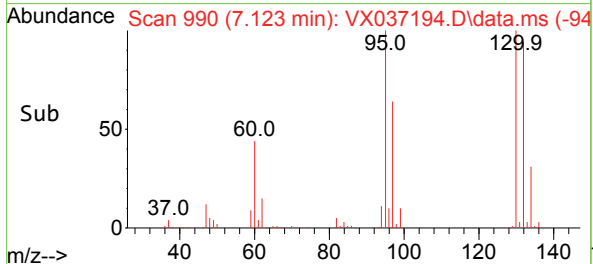
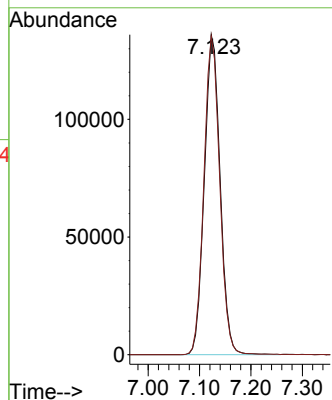
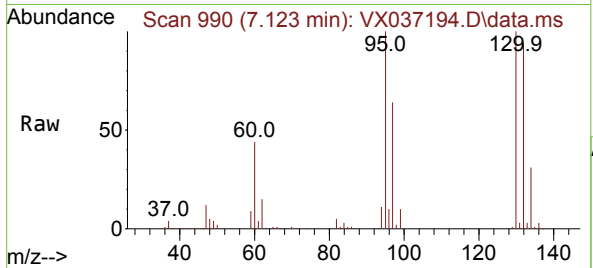




#44
Trichloroethene
Concen: 167.935 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

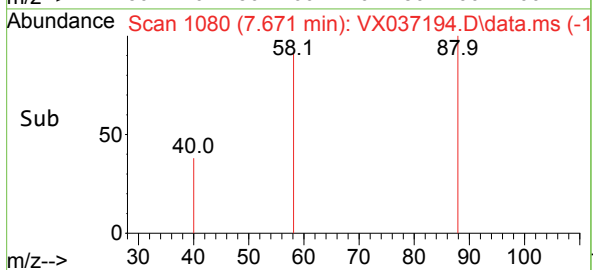
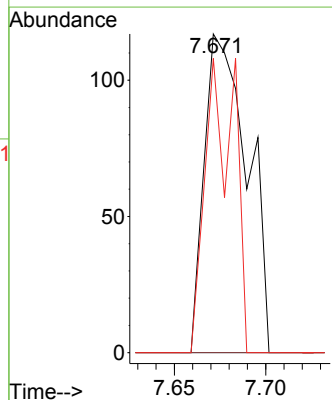
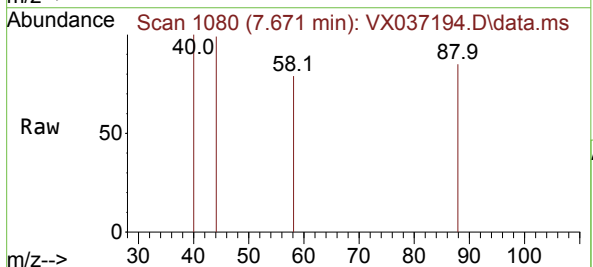
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816

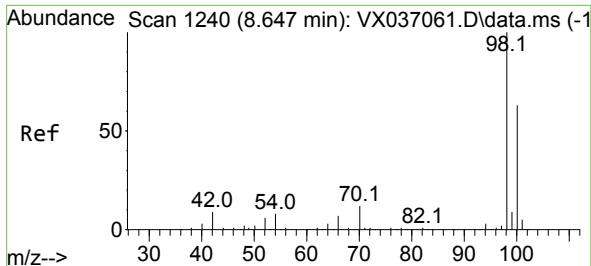
Tgt Ion:130 Resp: 290244
Ion Ratio Lower Upper
130 100
95 99.6 0.0 204.4



#49
1,4-Dioxane
Concen: 4.219 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

Tgt Ion: 88 Resp: 191
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 62.3 60.1 90.1

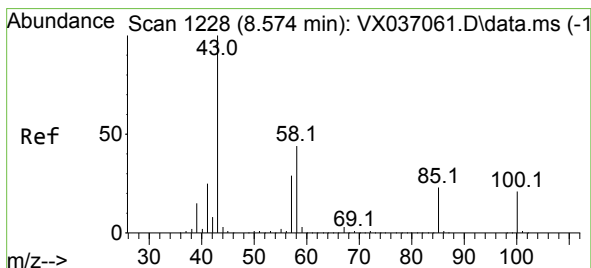
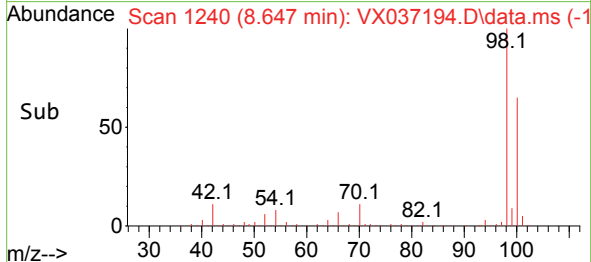
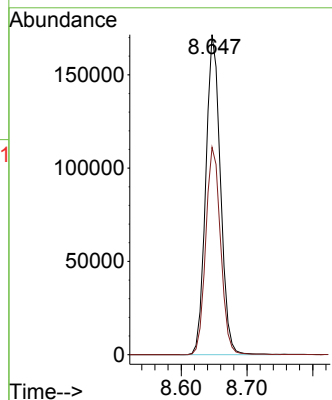
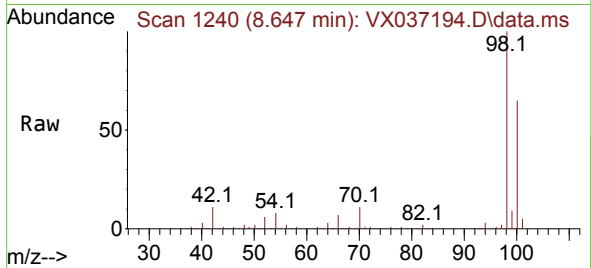




#50
Toluene-d8
Concen: 49.091 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

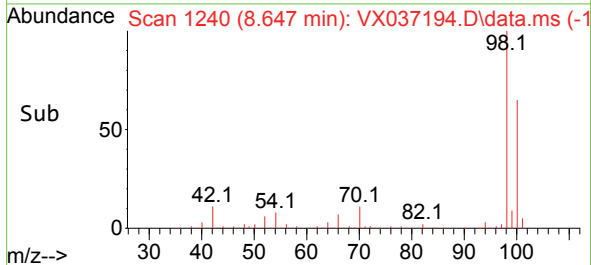
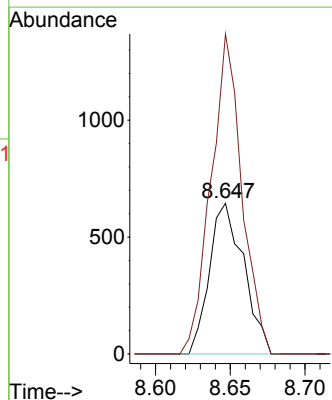
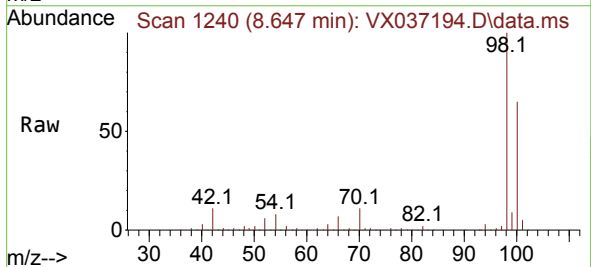
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816

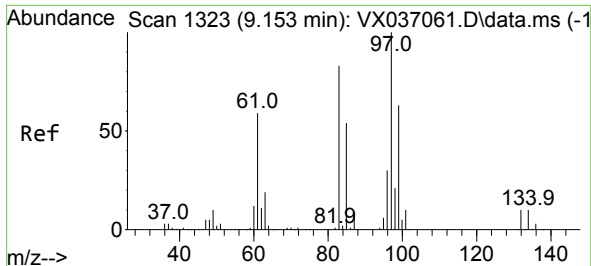
Tgt Ion: 98 Resp: 266370
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.491 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
58 191.3 30.4 45.6#

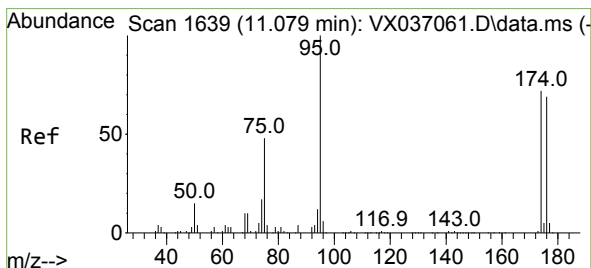
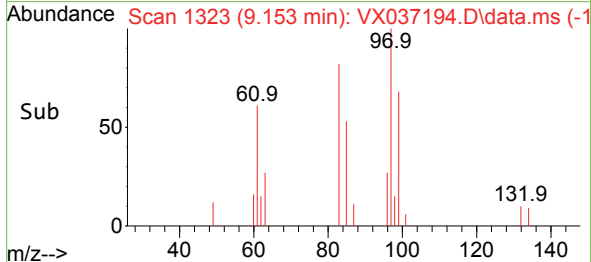
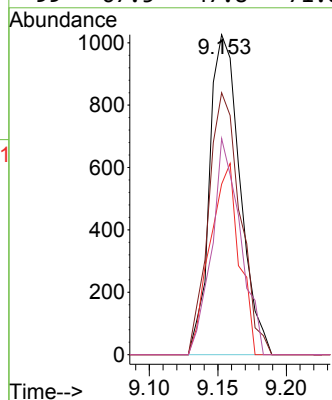
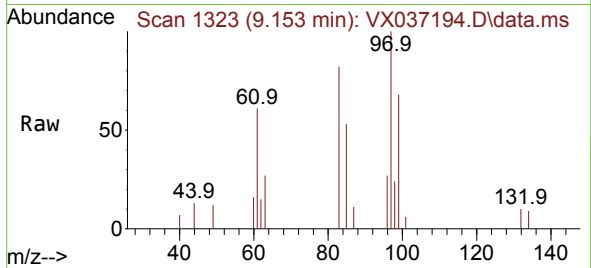




#55
 1,1,2-Trichloroethane
 Concen: 0.968 ug/l
 RT: 9.153 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037194.D
 Acq: 23 Aug 2023 19:30

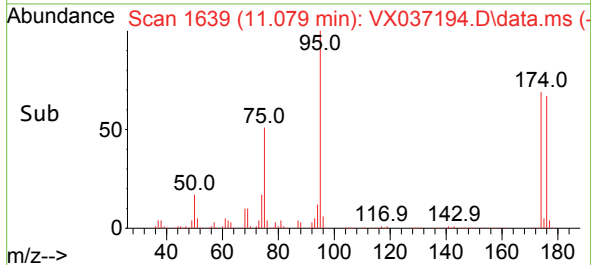
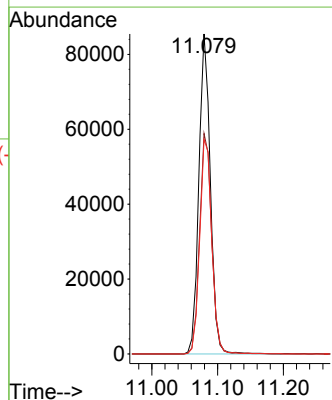
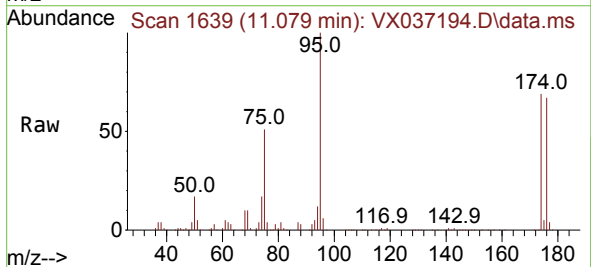
Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D1-20230816

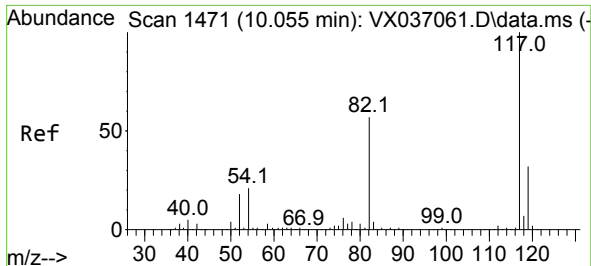
Tgt Ion: 97	Resp: 1587
Ion Ratio	Lower Upper
97 100	
83 81.9	65.8 98.8
85 53.3	41.6 62.4
99 67.5	47.8 71.8



#62
 4-Bromofluorobenzene
 Concen: 48.629 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX037194.D
 Acq: 23 Aug 2023 19:30

Tgt Ion: 95	Resp: 103695
Ion Ratio	Lower Upper
95 100	
174 72.3	0.0 135.6
176 70.3	0.0 131.0

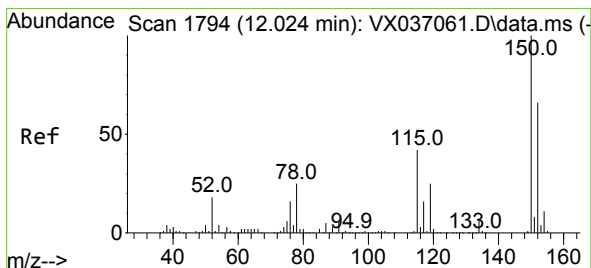
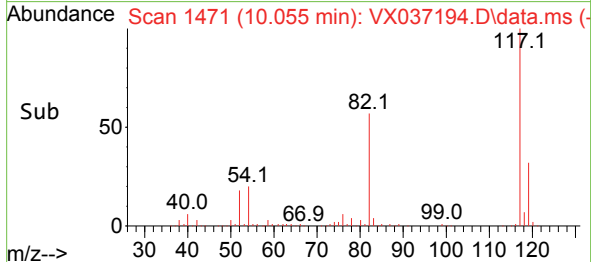
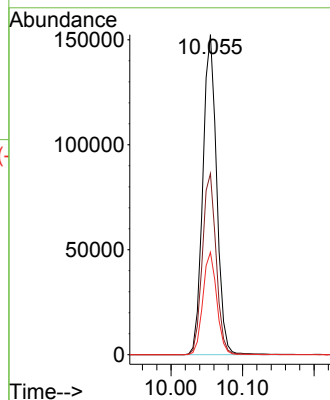
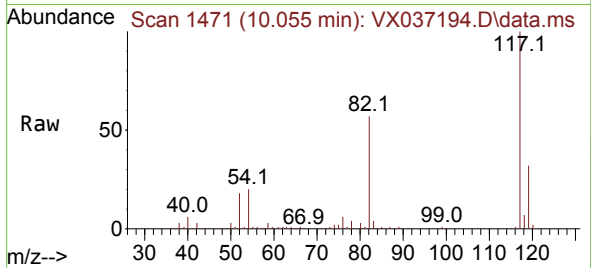




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

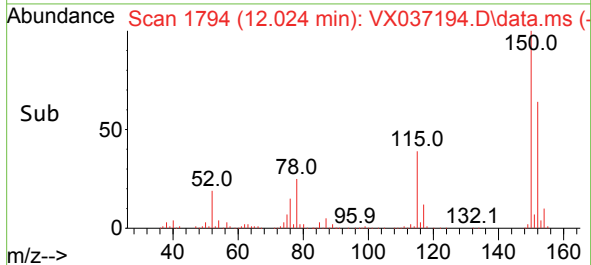
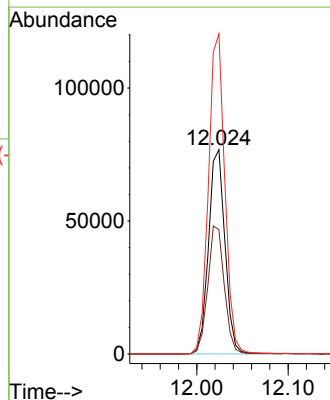
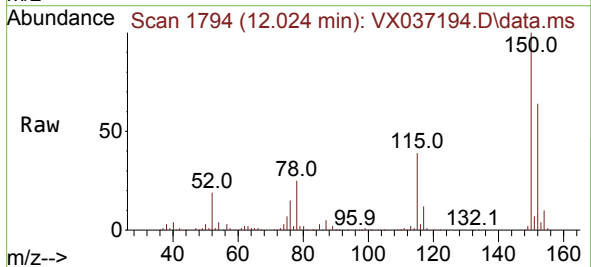
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816

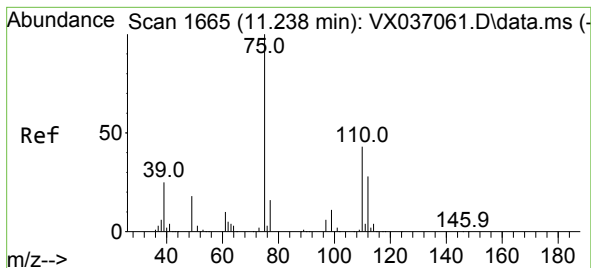
Tgt Ion:117 Resp: 204661
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037194.D
Acq: 23 Aug 2023 19:30

Tgt Ion:152 Resp: 95683
Ion Ratio Lower Upper
152 100
115 63.3 43.3 129.9
150 156.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.089 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037194.D

Acq: 23 Aug 2023 19:30

Instrument :

MSVOA_X

ClientSampleId :

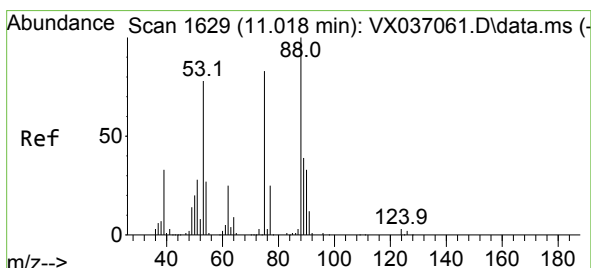
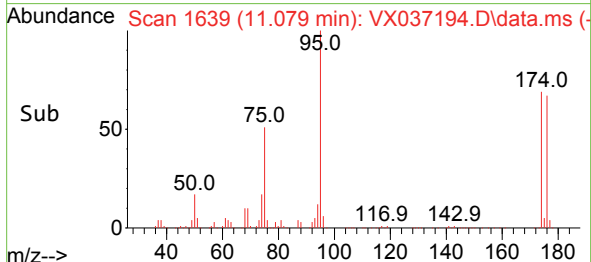
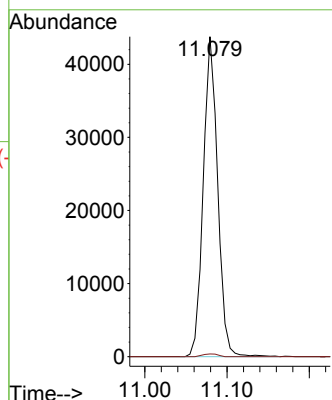
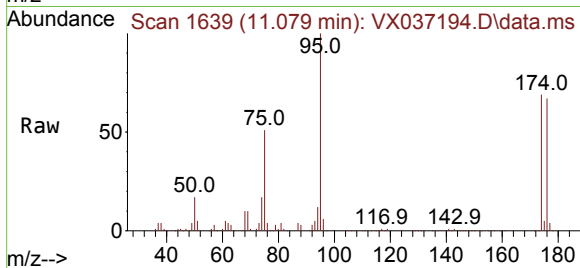
RE139D1-20230816

Tgt Ion: 75 Resp: 53163

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.869 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037194.D

Acq: 23 Aug 2023 19:30

Tgt Ion: 75 Resp: 53163

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

