

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030823\
 Data File : VX034389.D
 Acq On : 08 Mar 2023 17:29
 Operator : JC/MD
 Sample : 01843-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D1-20230306

Quant Time: Mar 09 04:01:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

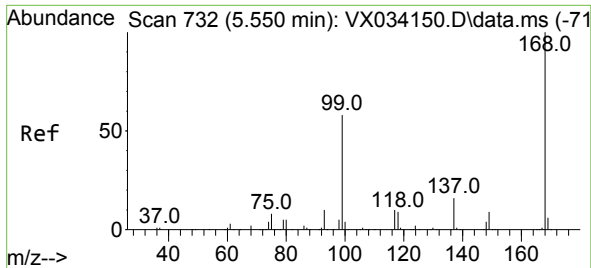
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	243597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	415017	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	369675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	155708	47.462	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.920%
35) Dibromofluoromethane	5.385	113	129878	48.065	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.120%
50) Toluene-d8	8.647	98	501391	51.681	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.360%
62) 4-Bromofluorobenzene	11.079	95	172604	46.512	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	627	0.298	ug/l	100
5) Bromomethane	1.709	94	23	Below Cal	#	3
9) 1,1,2-Trichlorotrifluo...	2.331	101	14113	5.369	ug/l	95
12) 1,1-Dichloroethene	2.319	96	2363	0.897	ug/l	90
16) Acetone	2.380	43	1125	0.665	ug/l #	46
19) Methyl tert-butyl Ether	3.111	73	10418	1.120	ug/l	97
22) Diisopropyl ether	3.764	45	7292	0.744	ug/l #	72
23) Vinyl Acetate	3.764	43	3568	0.455	ug/l #	72
24) 1,1-Dichloroethane	3.617	63	3298	0.613	ug/l #	92
27) cis-1,2-Dichloroethene	4.489	96	7464	2.283	ug/l	93
28) Bromochloromethane	5.087	49	1105	0.460	ug/l #	9
30) Chloroform	5.105	83	11858	2.296	ug/l	93
31) Cyclohexane	5.550	56	5095	1.040	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19331	4.837	ug/l #	48
38) Carbon Tetrachloride	5.550	117	23856	5.801	ug/l #	16
39) Methylcyclohexane	7.123	83	5224	1.016	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	1293	0.310	ug/l	82
44) Trichloroethene	7.123	130	441901	145.406	ug/l	94
49) 1,4-Dioxane	7.665	88	1359	18.214	ug/l #	84
51) 4-Methyl-2-Pentanone	8.647	43	2664	0.614	ug/l #	1
60) Dibromochloromethane	9.275	129	11332	3.541	ug/l #	11
64) Tetrachloroethene	9.275	164	12392	4.750	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	87365	21.685	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	87365	55.706	ug/l #	8

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

Quant Time: Mar 09 04:01:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration

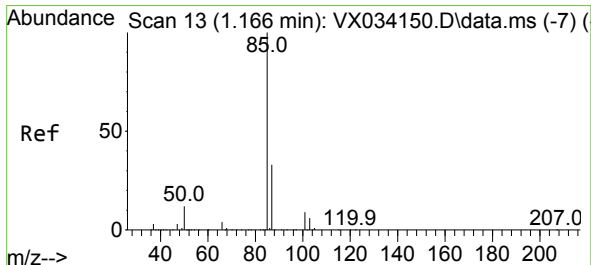
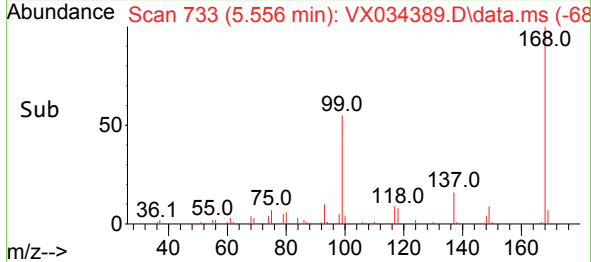
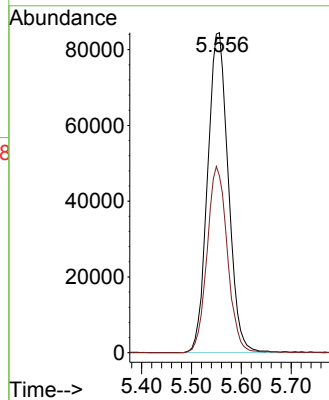
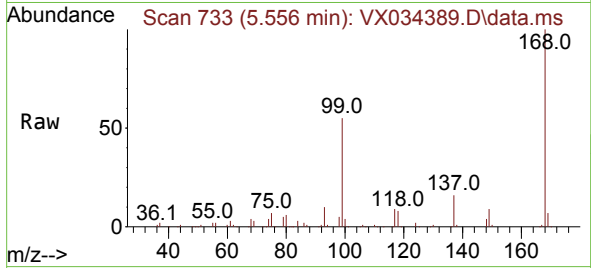




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

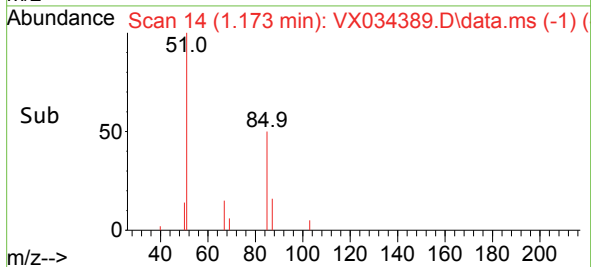
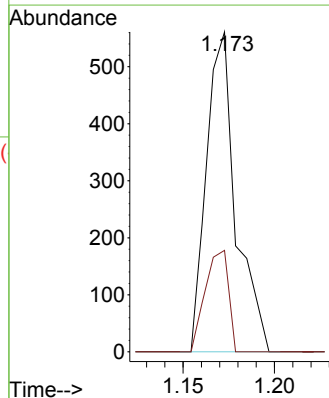
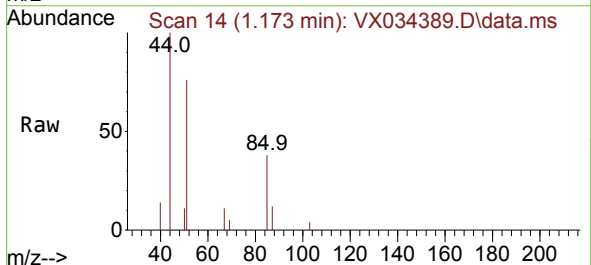
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MSVOA_X
ClientSampleId :
RE132D1-20230306

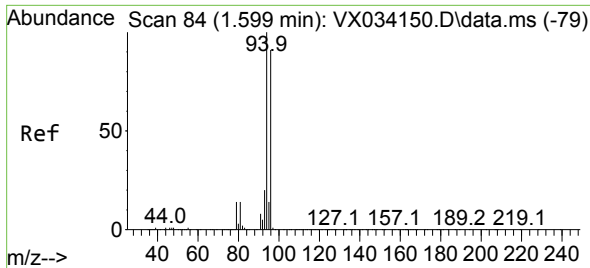
Tgt Ion:168 Resp: 243597
Ion Ratio Lower Upper
168 100
99 55.3 39.6 59.4



#2
Dichlorodifluoromethane
Concen: 0.298 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Tgt Ion: 85 Resp: 627
Ion Ratio Lower Upper
85 100
87 31.7 15.8 47.4

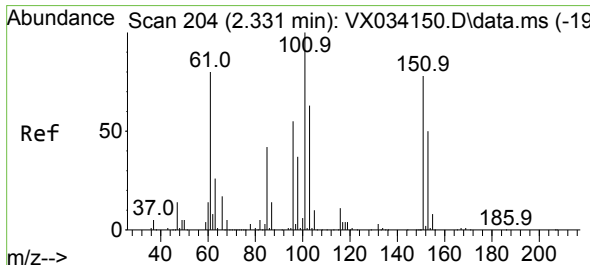
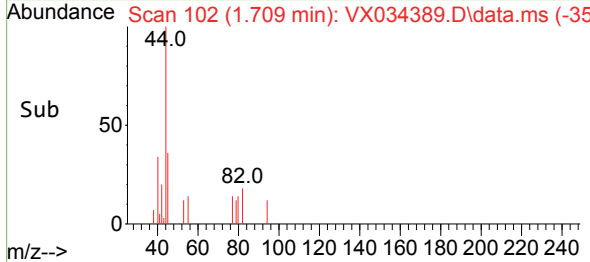
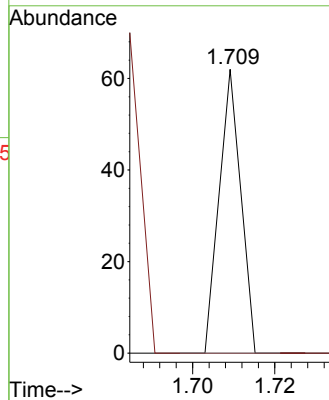
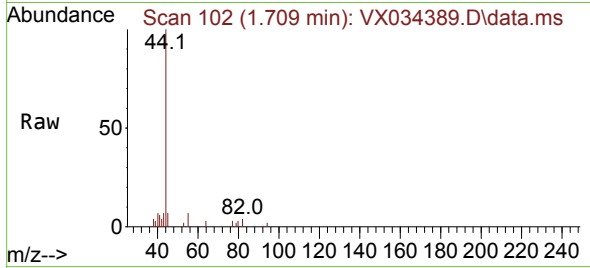




#5
Bromomethane
Concen: Below Cal
RT: 1.709 min Scan# 102
Delta R.T. 0.110 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

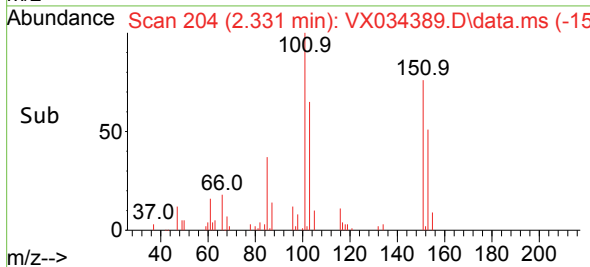
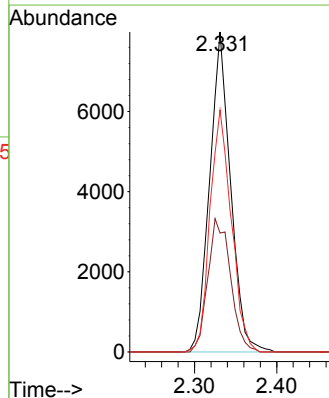
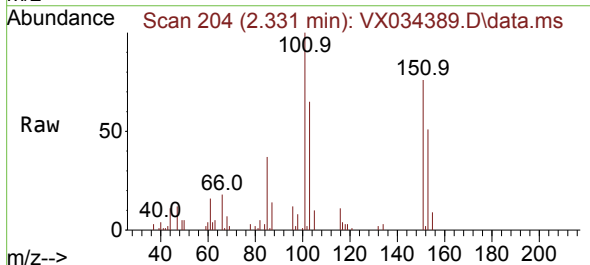
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ClientSampleId :
RE132D1-20230306

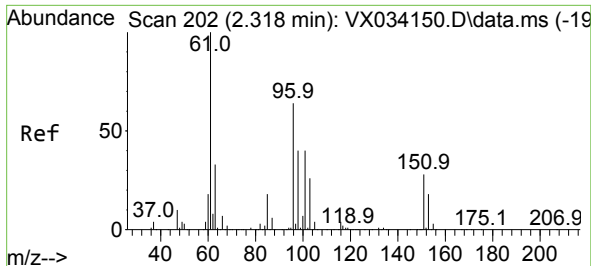
Tgt Ion: 94 Resp: 23
Ion Ratio Lower Upper
94 100
96 0.0 74.3 111.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.369 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Tgt Ion: 101 Resp: 14113
Ion Ratio Lower Upper
101 100
85 45.1 36.7 55.1
151 77.2 66.5 99.7

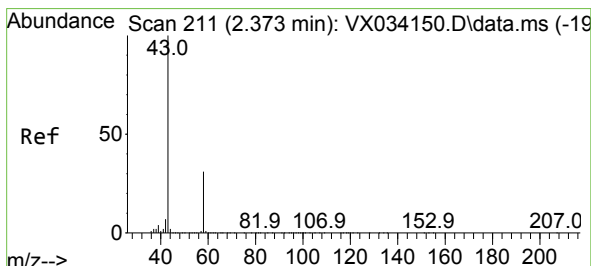
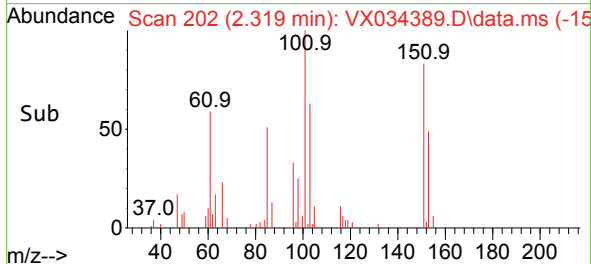
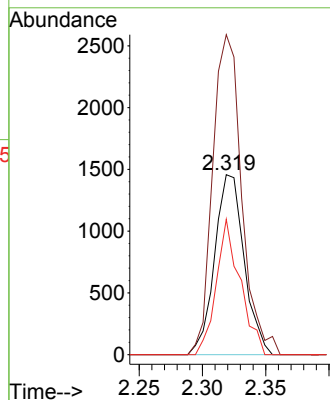
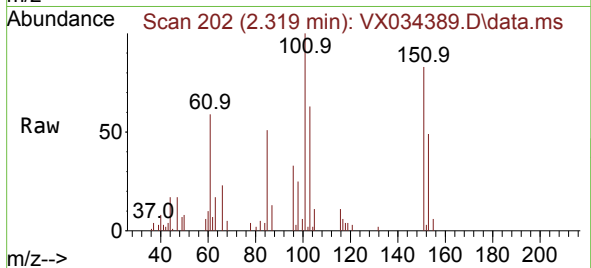




#12
1,1-Dichloroethene
Concen: 0.897 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

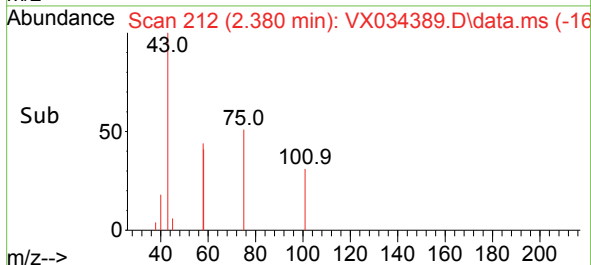
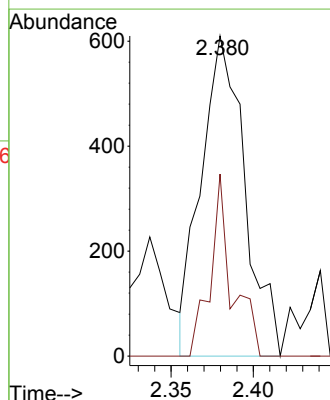
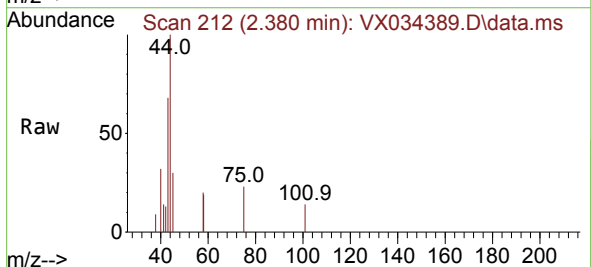
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20230306

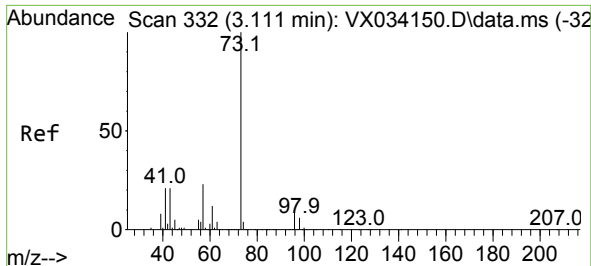
Tgt Ion: 96 Resp: 2363
Ion Ratio Lower Upper
96 100
61 177.8 134.2 201.4
98 75.2 50.2 75.2



#16
Acetone
Concen: 0.665 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Tgt Ion: 43 Resp: 1125
Ion Ratio Lower Upper
43 100
58 56.9 22.6 33.8#

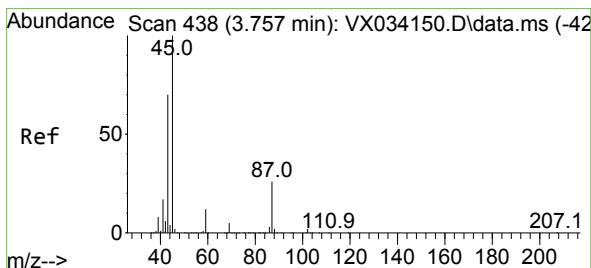
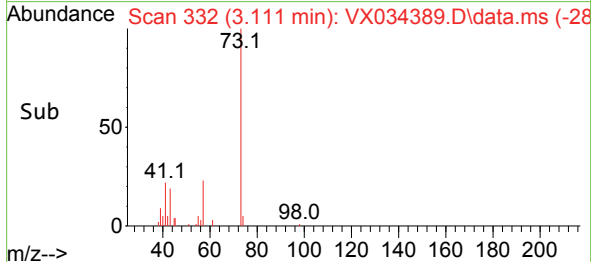
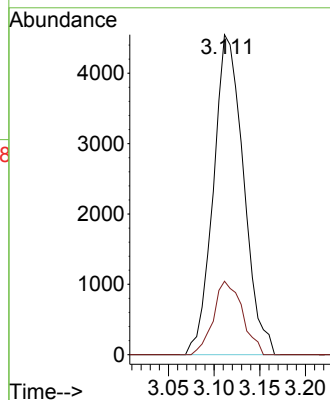
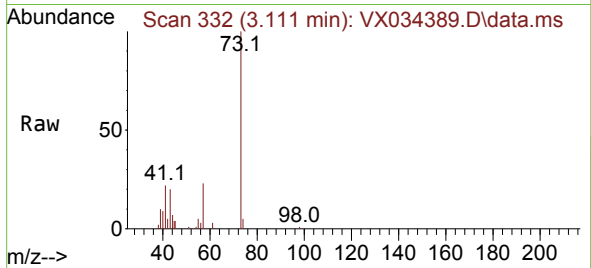




#19
Methyl tert-butyl Ether
Concen: 1.120 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

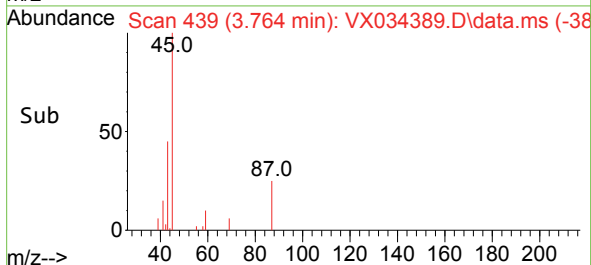
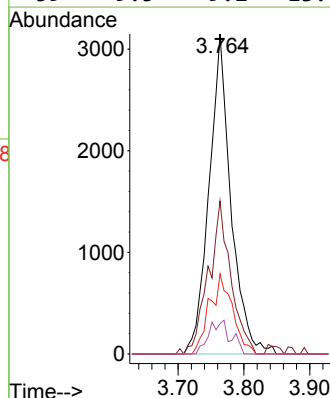
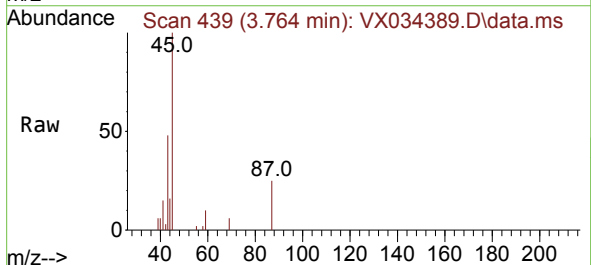
Instrument :
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ClientSampleId :
RE132D1-20230306

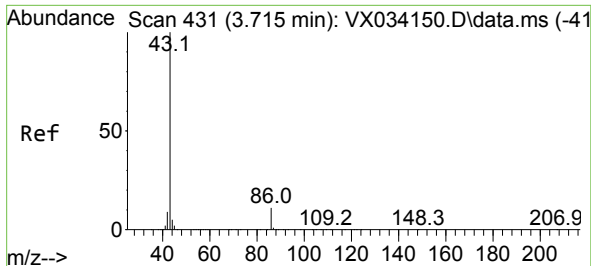
Tgt Ion: 73 Resp: 10418
Ion Ratio Lower Upper
73 100
57 23.0 17.4 26.0



#22
Diisopropyl ether
Concen: 0.744 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Tgt Ion: 45 Resp: 7292
Ion Ratio Lower Upper
45 100
43 46.1 64.6 97.0#
87 25.1 21.9 32.9
59 9.5 9.2 13.8

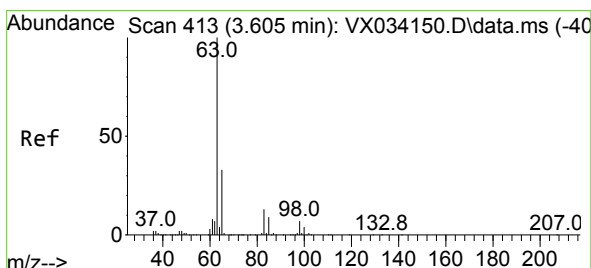
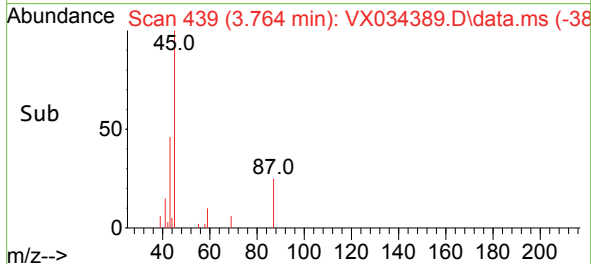
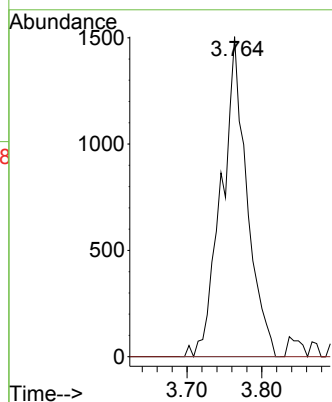
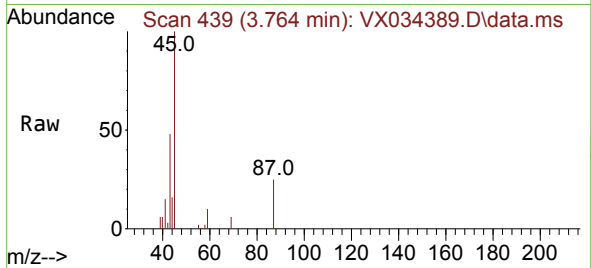




#23
 Vinyl Acetate
 Concen: 0.455 ug/l
 RT: 3.764 min Scan# 41
 Delta R.T. 0.049 min
 Lab File: VX034389.D
 Acq: 08 Mar 2023 17:29

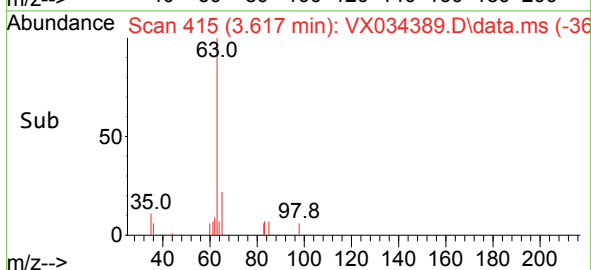
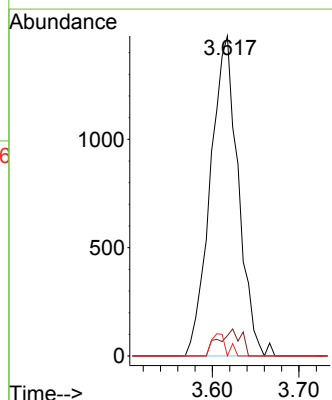
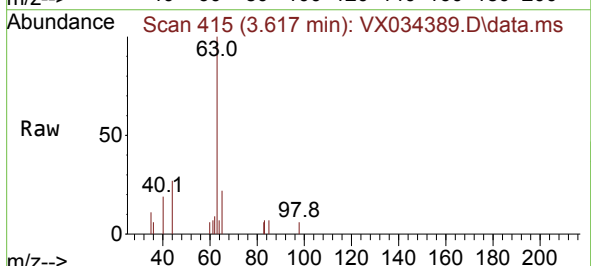
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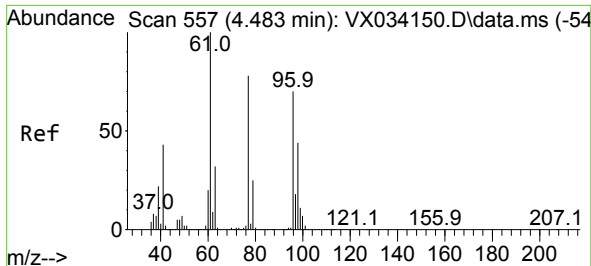
Tgt Ion: 43 Resp: 3568
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.4 12.6#



#24
 1,1-Dichloroethane
 Concen: 0.613 ug/l
 RT: 3.617 min Scan# 415
 Delta R.T. 0.012 min
 Lab File: VX034389.D
 Acq: 08 Mar 2023 17:29

Tgt Ion: 63 Resp: 3298
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.8 11.2
 100 0.0 2.4 7.2#

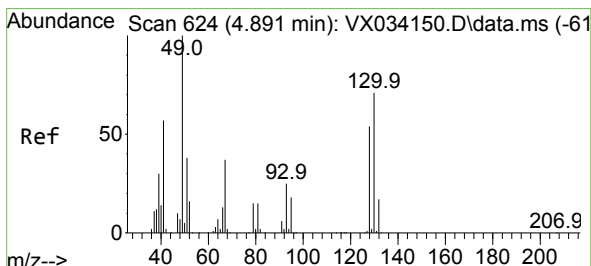
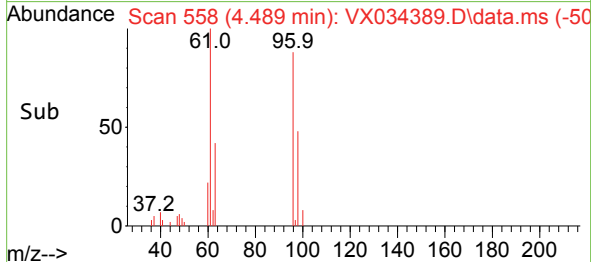
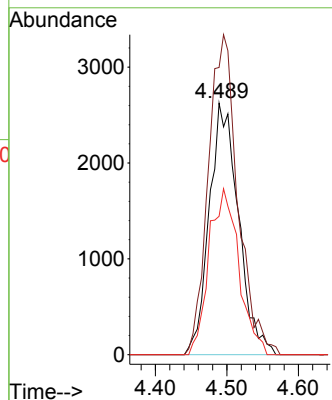
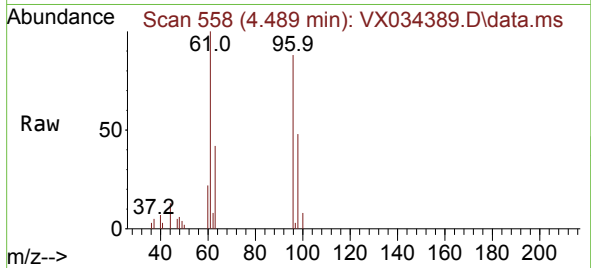




#27
 cis-1,2-Dichloroethene
 Concen: 2.283 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX034389.D
 Acq: 08 Mar 2023 17:29

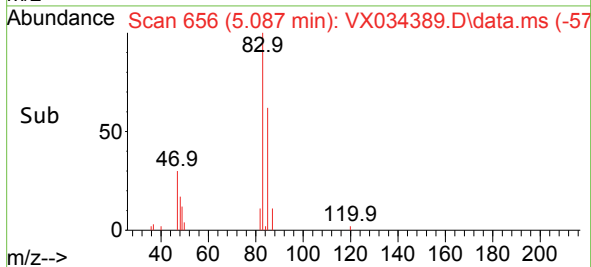
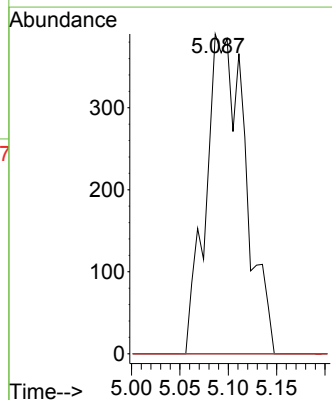
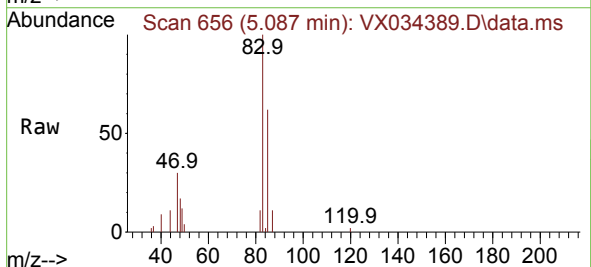
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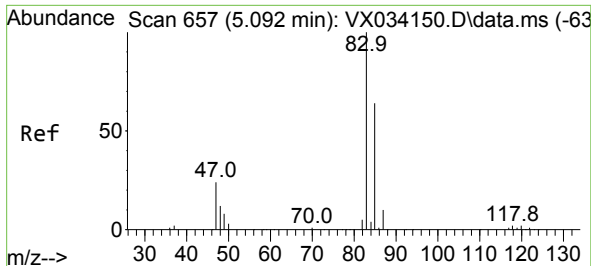
Tgt Ion: 96 Resp: 7464
 Ion Ratio Lower Upper
 96 100
 61 128.7 0.0 277.6
 98 67.1 0.0 128.0



#28
 Bromochloromethane
 Concen: 0.460 ug/l
 RT: 5.087 min Scan# 656
 Delta R.T. 0.195 min
 Lab File: VX034389.D
 Acq: 08 Mar 2023 17:29

Tgt Ion: 49 Resp: 1105
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.6
 130 0.0 68.5 102.7#





#30

Chloroform

Concen: 2.296 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX034389.D

Acq: 08 Mar 2023 17:29

Instrument :

MSVOA_X

ClientSampleId :

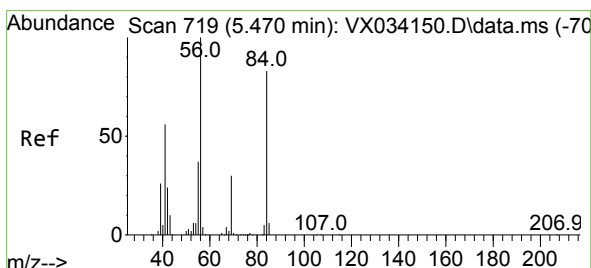
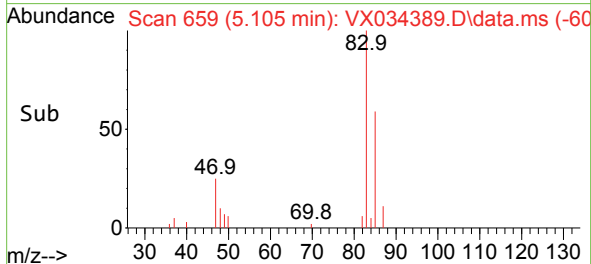
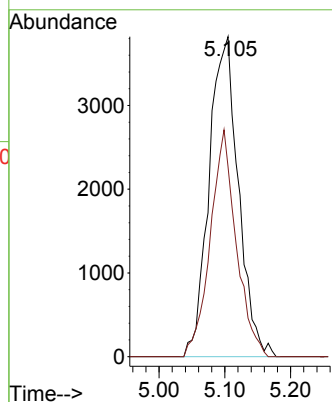
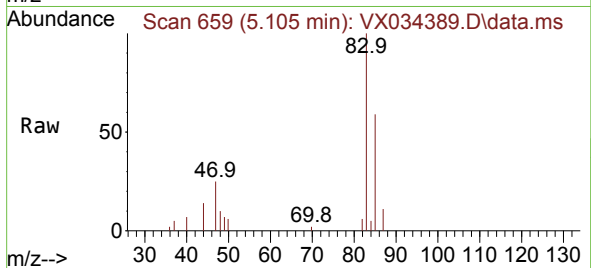
RE132D1-20230306

Tgt Ion: 83 Resp: 11858

Ion Ratio Lower Upper

83 100

85 59.3 52.1 78.1



#31

Cyclohexane

Concen: 1.040 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX034389.D

Acq: 08 Mar 2023 17:29

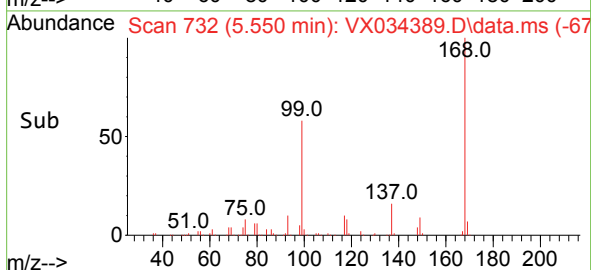
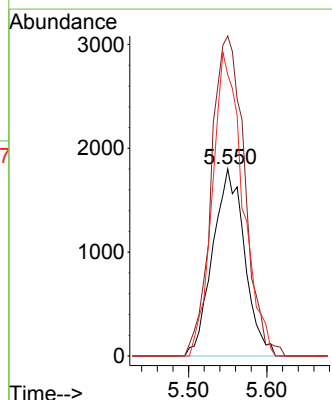
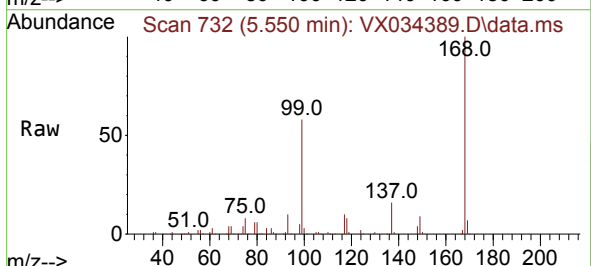
Tgt Ion: 56 Resp: 5095

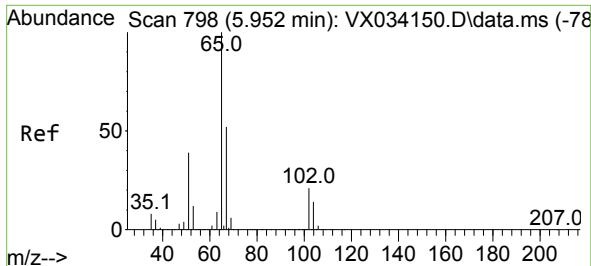
Ion Ratio Lower Upper

56 100

69 171.0 24.6 37.0#

84 150.3 71.0 106.6#

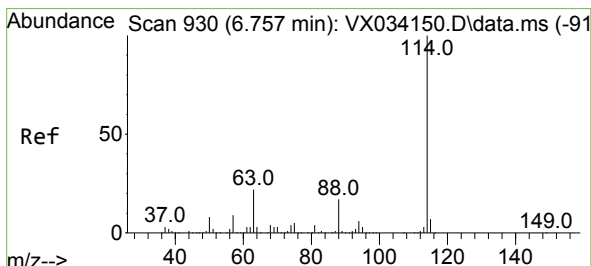
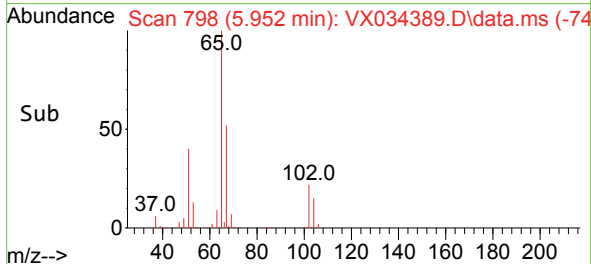
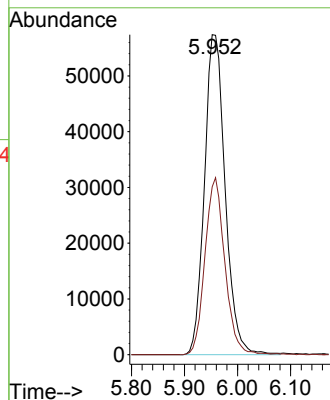
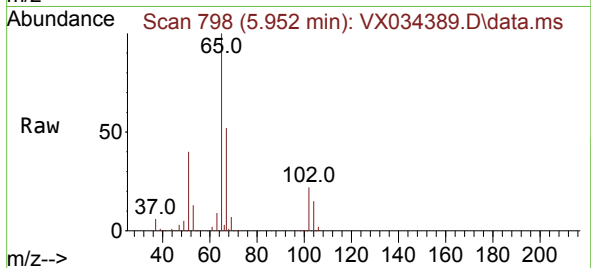




#33
1,2-Dichloroethane-d4
Concen: 47.462 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

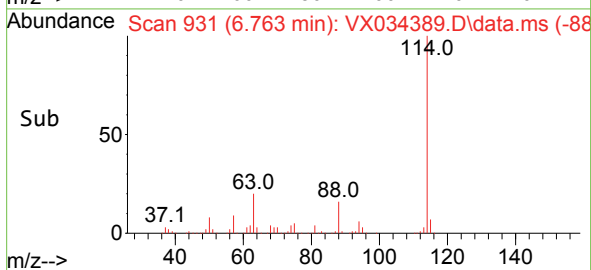
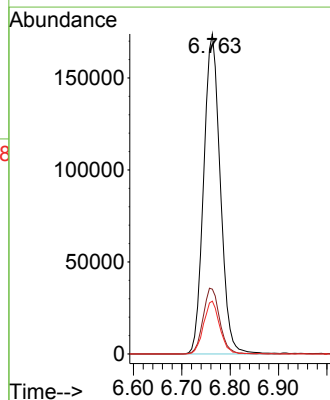
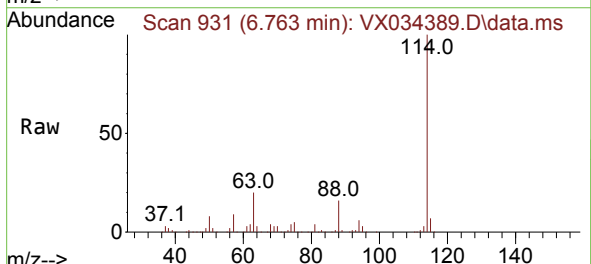
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20230306

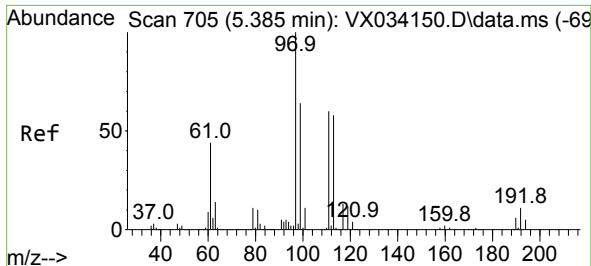
Tgt Ion: 65 Resp: 155708
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Tgt Ion: 114 Resp: 415017
Ion Ratio Lower Upper
114 100
63 20.3 0.0 37.4
88 16.5 0.0 30.6

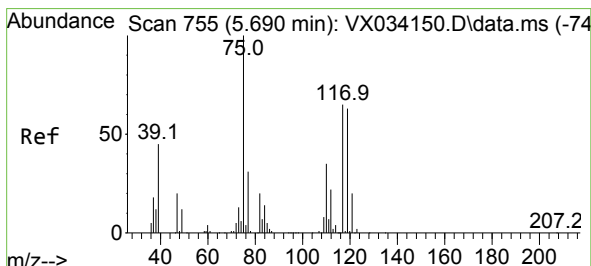
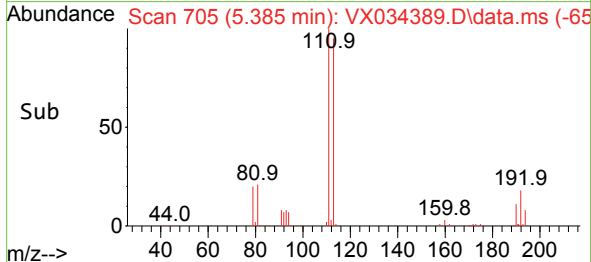
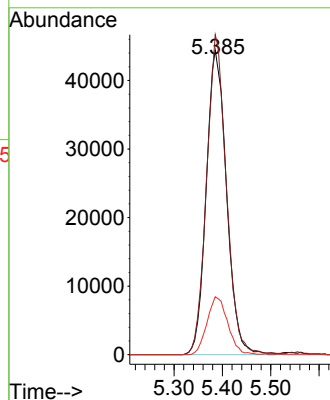
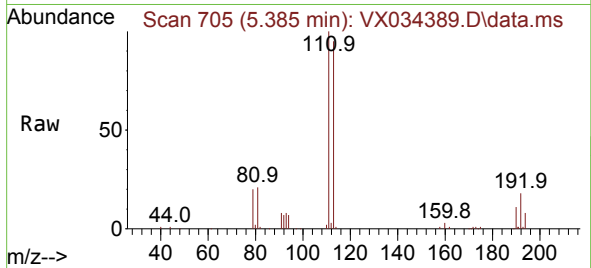




#35
Dibromofluoromethane
Concen: 48.065 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

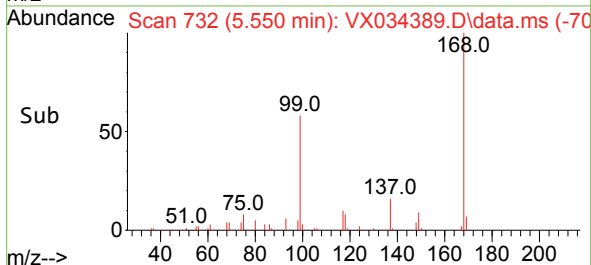
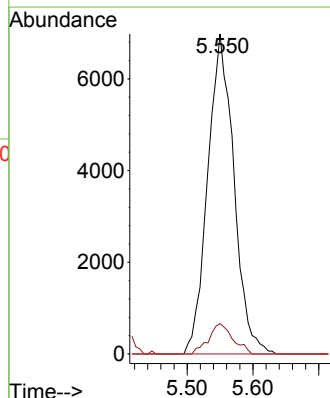
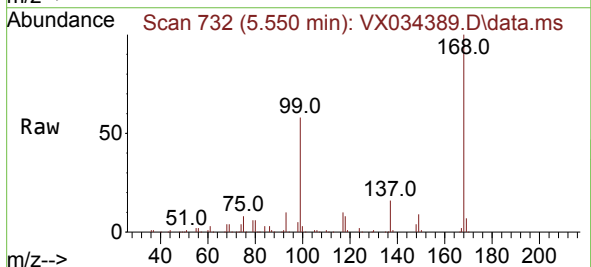
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20230306

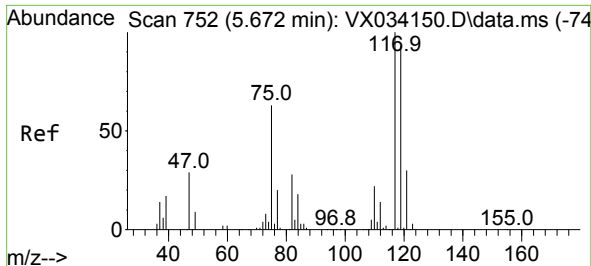
Tgt Ion:113 Resp: 129878
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.6
192 19.4 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.837 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

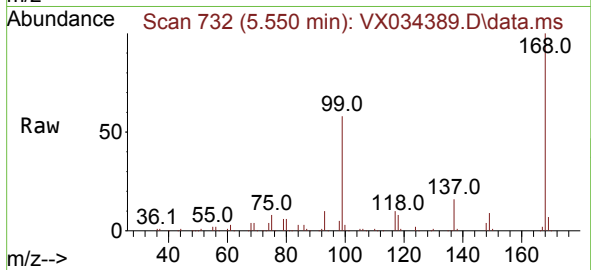
Tgt Ion: 75 Resp: 19331
Ion Ratio Lower Upper
75 100
110 8.8 18.8 56.4#
77 0.0 25.1 37.7#



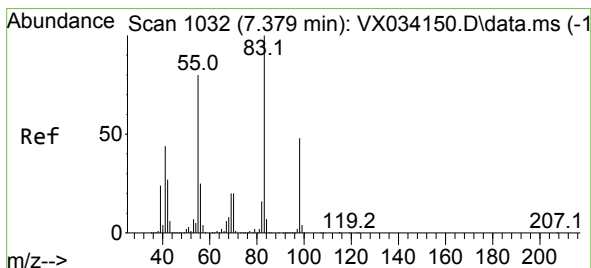
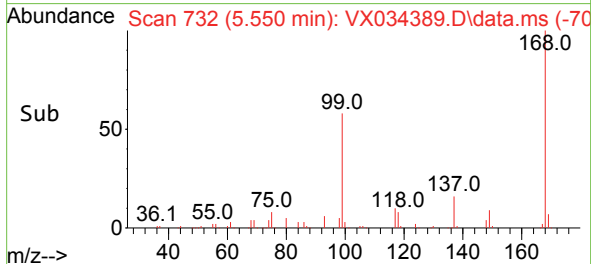
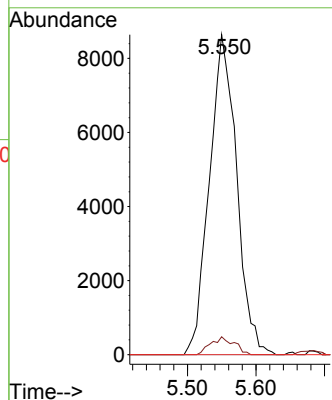


#38
Carbon Tetrachloride
Concen: 5.801 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20230306

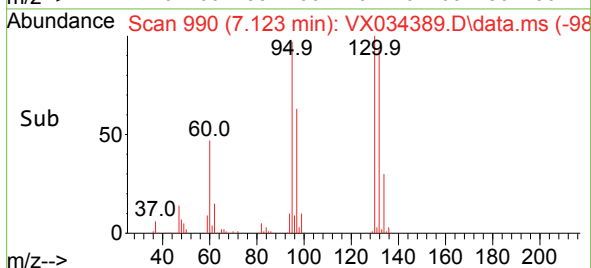
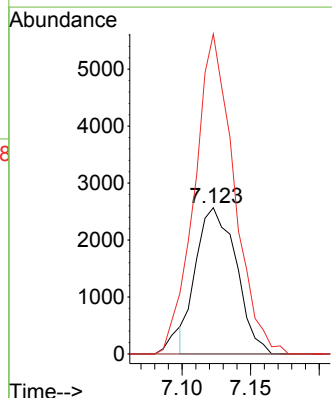
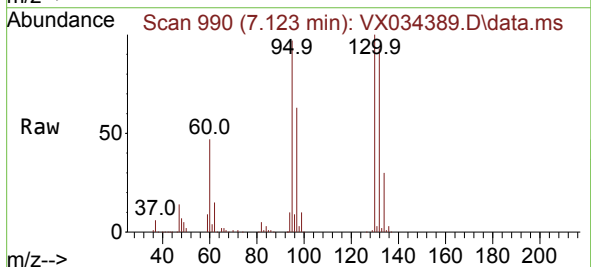


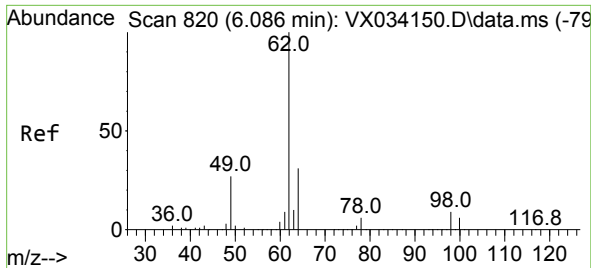
Tgt Ion:117 Resp: 23856
Ion Ratio Lower Upper
117 100
119 5.6 78.0 117.0#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 1.016 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Tgt Ion: 83 Resp: 5224
Ion Ratio Lower Upper
83 100
55 0.0 61.8 92.6#
98 213.4 39.3 58.9#

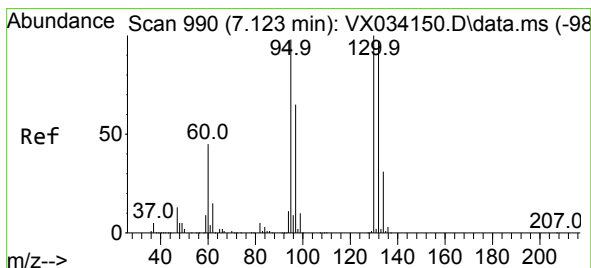
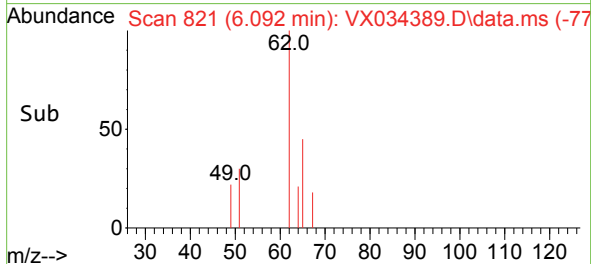
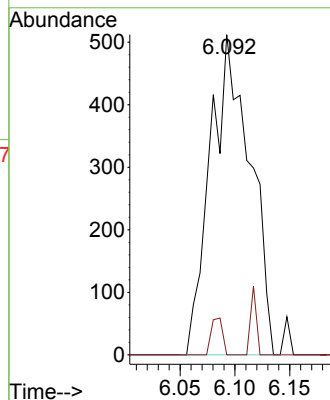
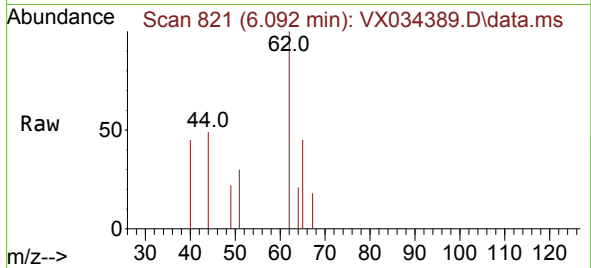




#42
1,2-Dichloroethane
Concen: 0.310 ug/l
RT: 6.092 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

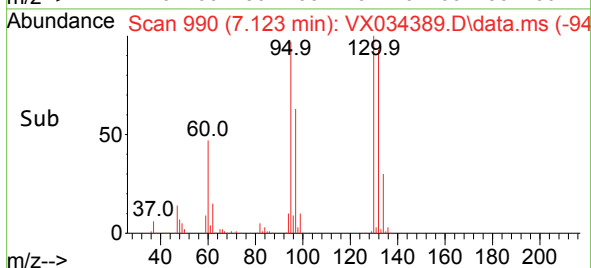
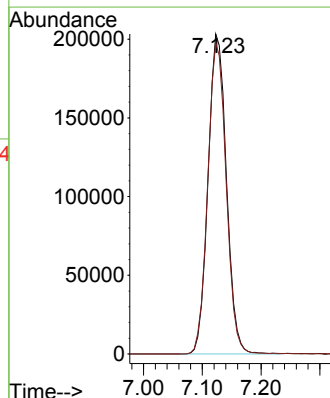
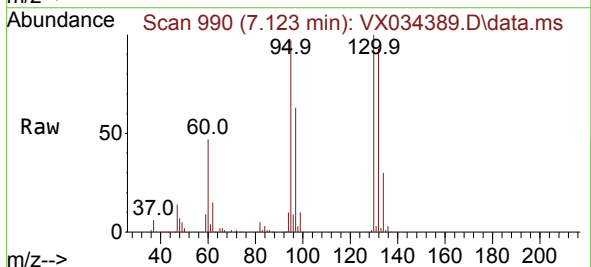
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20230306

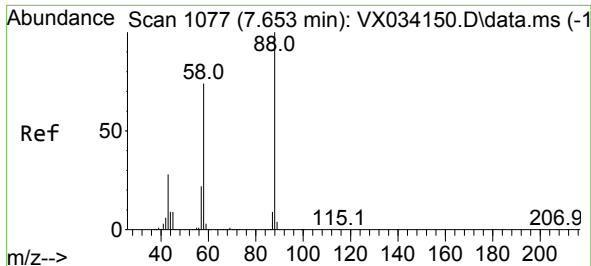
Tgt Ion: 62 Resp: 1293
Ion Ratio Lower Upper
62 100
98 3.2 0.0 20.2



#44
Trichloroethene
Concen: 145.406 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Tgt Ion:130 Resp: 441901
Ion Ratio Lower Upper
130 100
95 97.2 0.0 182.6





#49

1,4-Dioxane

Concen: 18.214 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.012 min

Lab File: VX034389.D

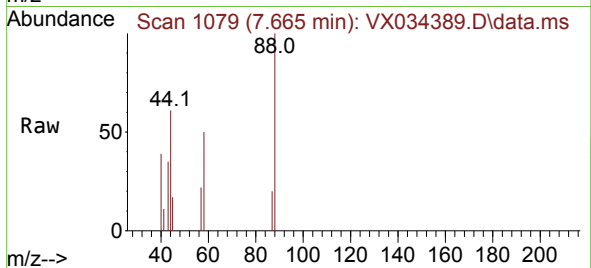
Acq: 08 Mar 2023 17:29

Instrument :

MSVOA_X

ClientSampleId :

RE132D1-20230306



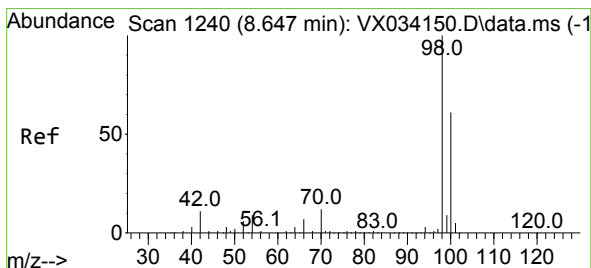
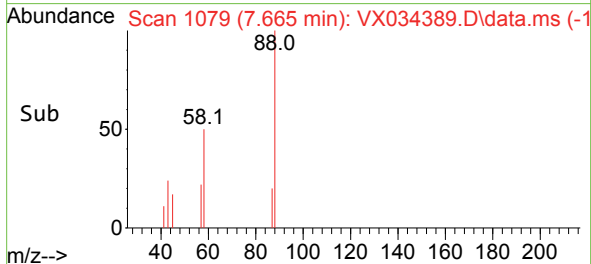
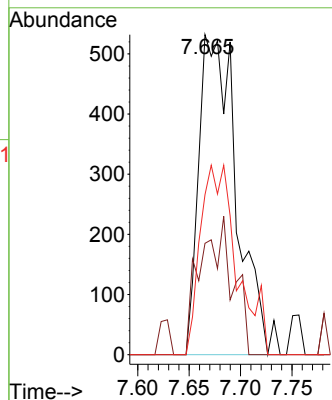
Tgt Ion: 88 Resp: 1359

Ion Ratio Lower Upper

88 100

43 37.0 0.0 0.0#

58 57.3 56.5 84.7



#50

Toluene-d8

Concen: 51.681 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034389.D

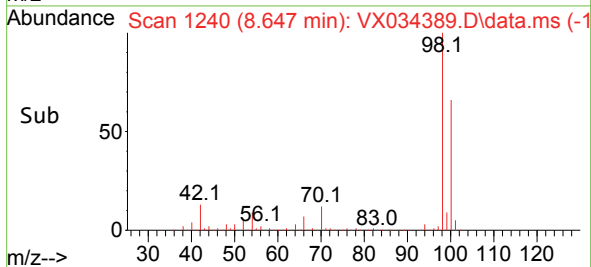
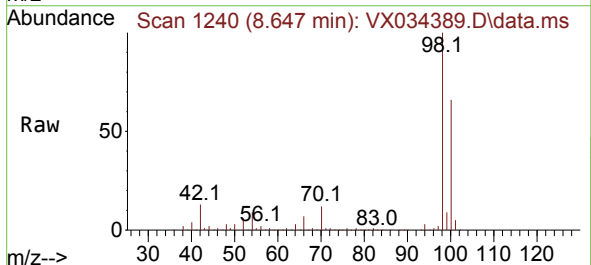
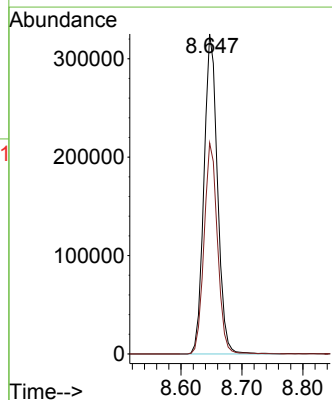
Acq: 08 Mar 2023 17:29

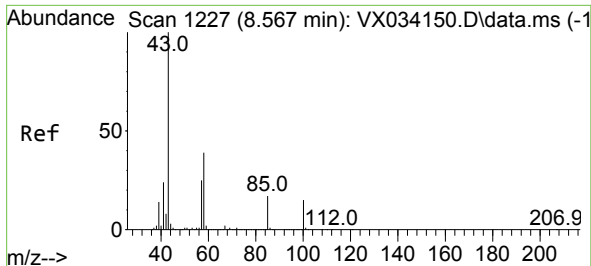
Tgt Ion: 98 Resp: 501391

Ion Ratio Lower Upper

98 100

100 65.5 53.6 80.4

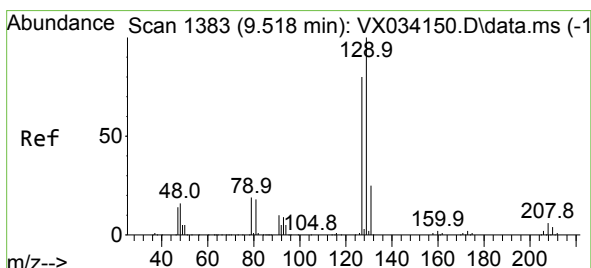
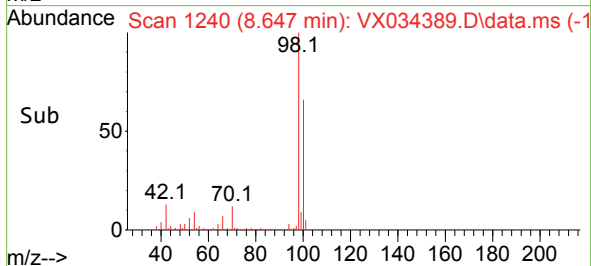
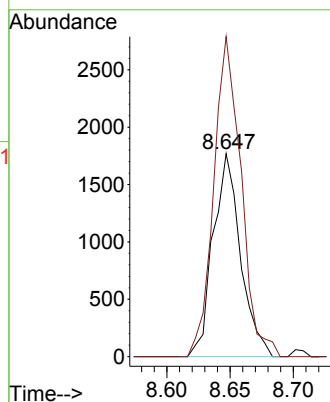
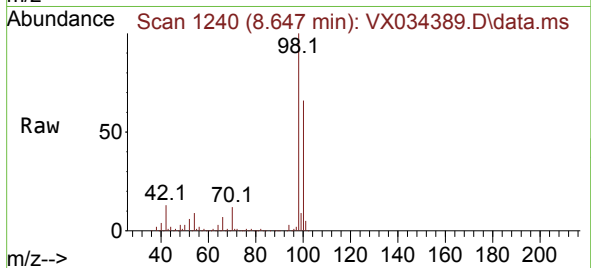




#51
4-Methyl-2-Pentanone
Concen: 0.614 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

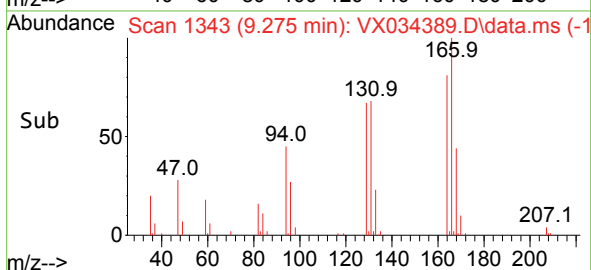
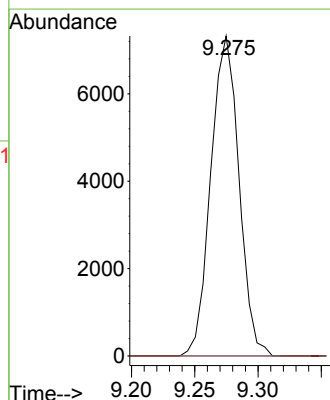
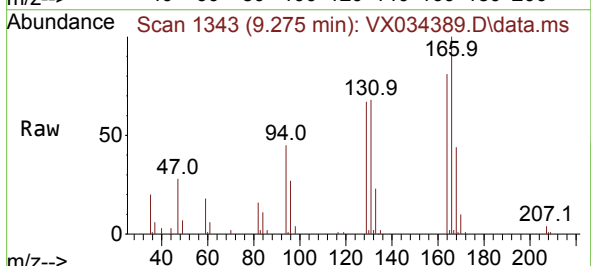
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20230306

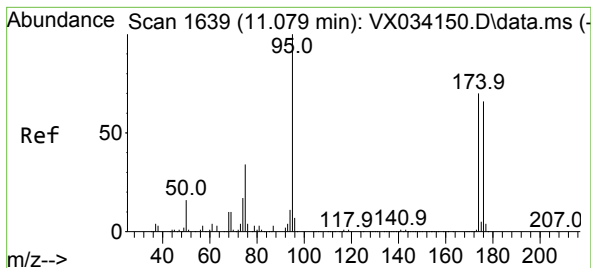
Tgt Ion: 43 Resp: 2664
Ion Ratio Lower Upper
43 100
58 157.2 31.2 46.8#



#60
Dibromochloromethane
Concen: 3.541 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Tgt Ion: 129 Resp: 11332
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#

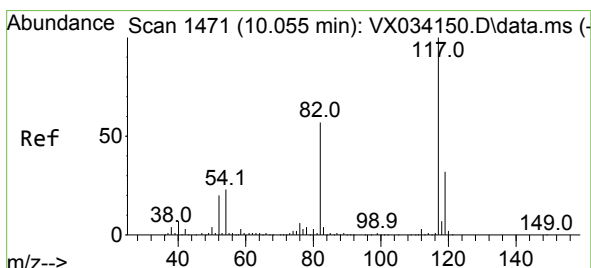
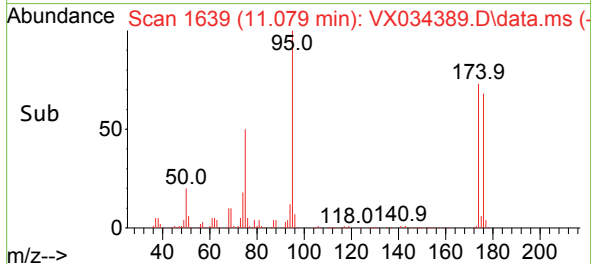
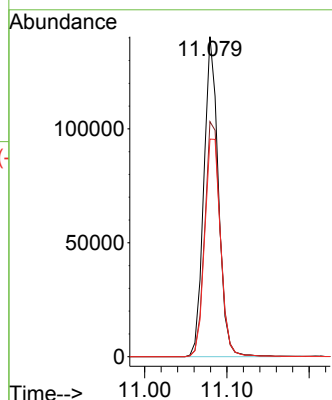
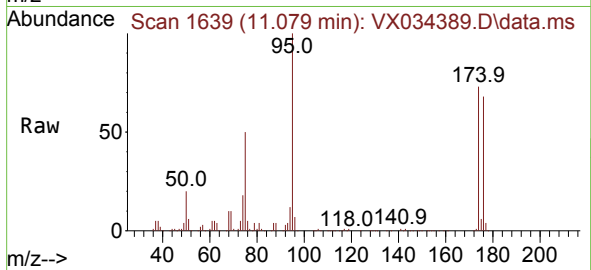




#62
4-Bromofluorobenzene
Concen: 46.512 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

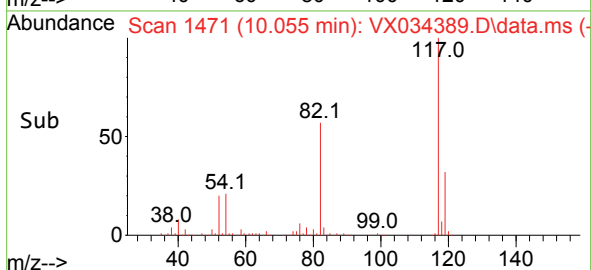
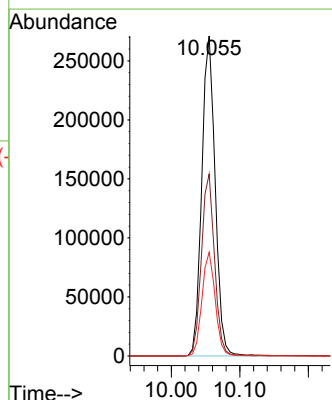
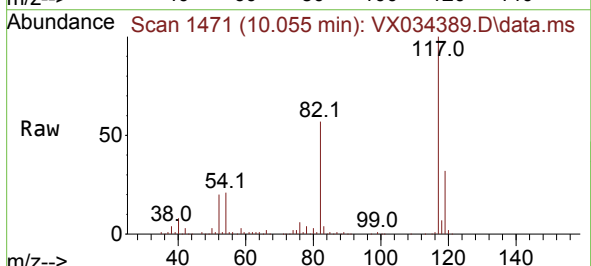
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20230306

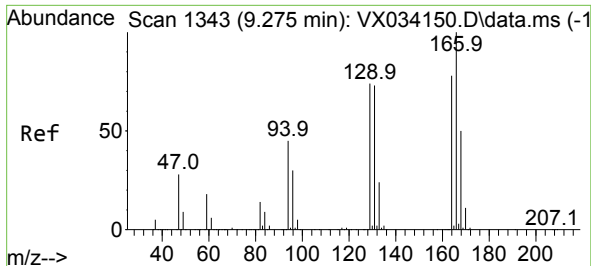
Tgt Ion: 95 Resp: 172604
Ion Ratio Lower Upper
95 100
174 78.4 0.0 184.4
176 74.8 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Tgt Ion: 117 Resp: 369675
Ion Ratio Lower Upper
117 100
82 56.9 40.6 60.8
119 32.4 25.6 38.4



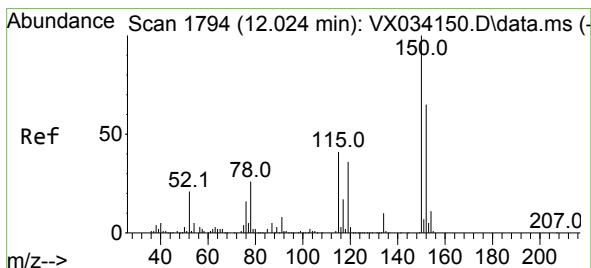
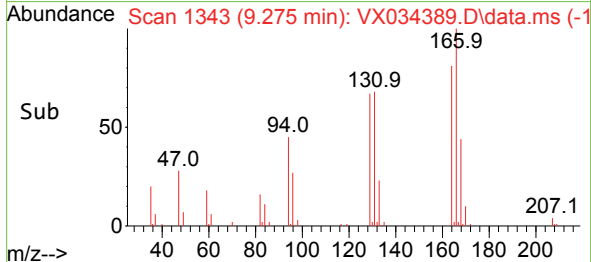
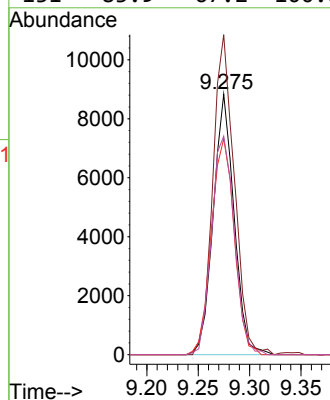
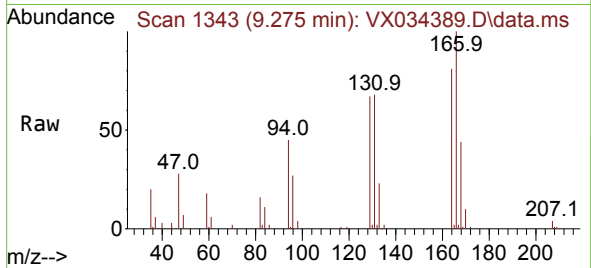


#64
Tetrachloroethene
Concen: 4.750 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20230306

Tgt Ion:164 Resp: 12392

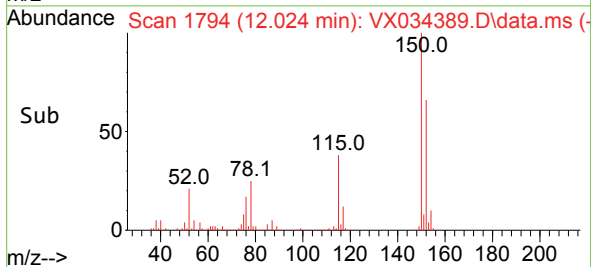
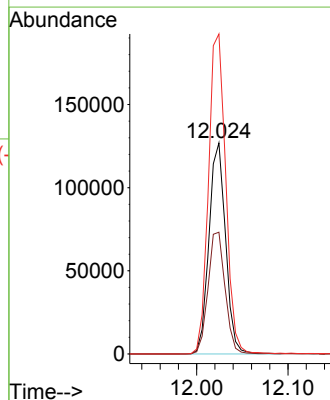
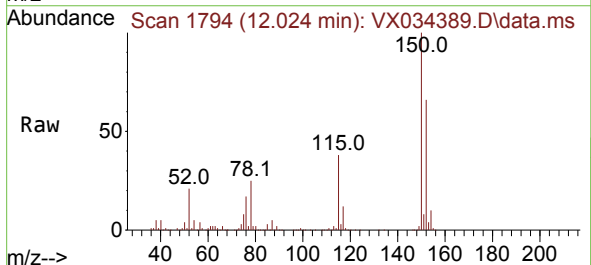
Ion	Ratio	Lower	Upper
164	100		
166	122.9	100.2	150.2
129	82.9	69.2	103.8
131	83.9	67.2	100.8

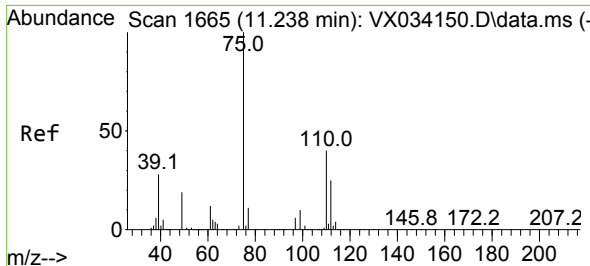


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Tgt Ion:152 Resp: 160113

Ion	Ratio	Lower	Upper
152	100		
115	59.4	38.7	116.1
150	157.0	0.0	348.2

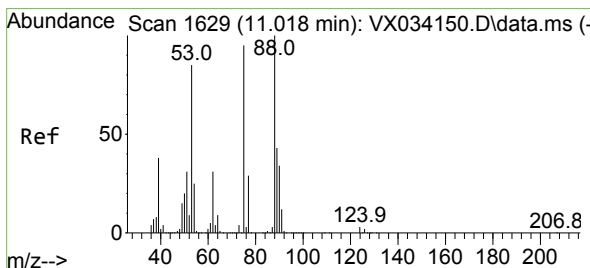
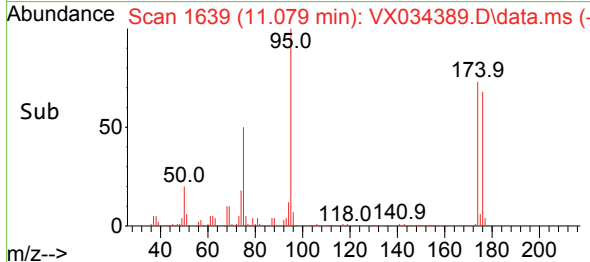
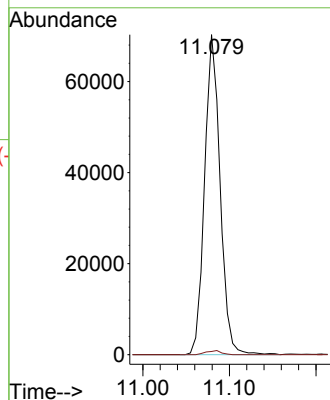
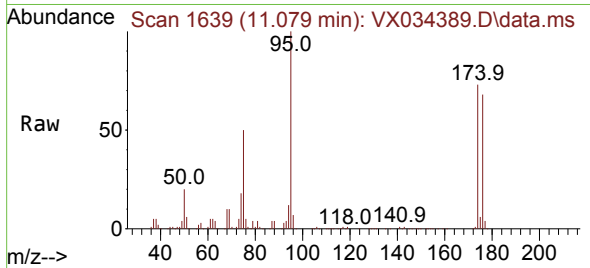




#76
1,2,3-Trichloropropane
Concen: 21.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20230306

Tgt Ion: 75 Resp: 87365
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.706 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034389.D
Acq: 08 Mar 2023 17:29

Tgt Ion: 75 Resp: 87365
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

