

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034435.D
 Acq On : 13 Mar 2023 16:12
 Operator : JC/MD
 Sample : 01879-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20230308

Quant Time: Mar 14 02:26:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

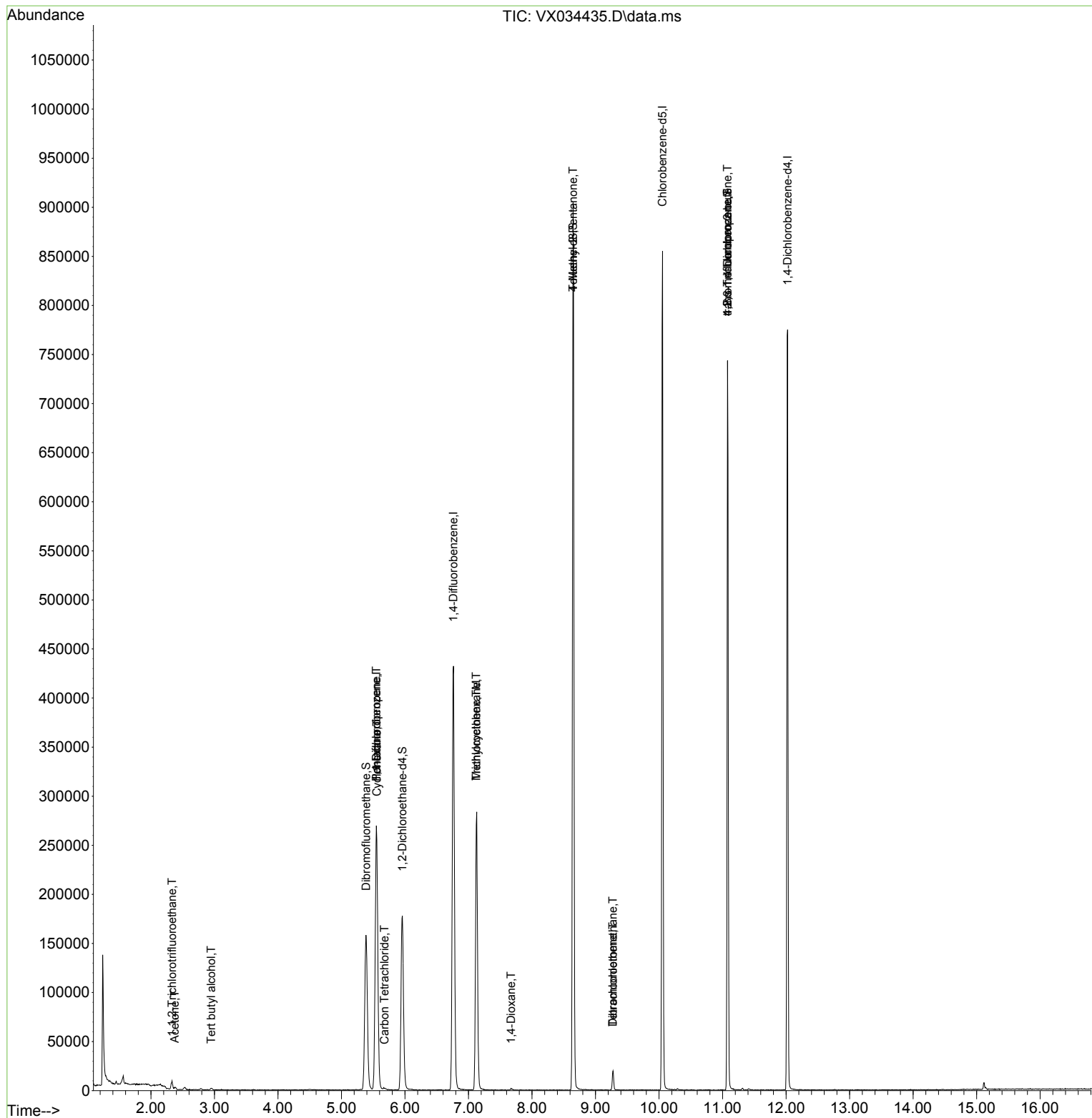
Internal Standards						
1) Pentafluorobenzene	5.550	168	255673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	435106	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	381236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	159429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	168744	45.367	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.740%
35) Dibromofluoromethane	5.385	113	138190	48.103	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.200%
50) Toluene-d8	8.647	98	526415	49.086	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.180%
62) 4-Bromofluorobenzene	11.079	95	190572	43.994	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.980%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	283	Below Cal	#	51
9) 1,1,2-Trichlorotrifluo...	2.331	101	2619	0.922	ug/l	95
11) Tert butyl alcohol	2.947	59	1604	2.071	ug/l #	73
16) Acetone	2.373	43	2369	1.352	ug/l	91
31) Cyclohexane	5.556	56	6006	1.151	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	20480	4.641	ug/l #	50
38) Carbon Tetrachloride	5.678	117	1493	0.340	ug/l	92
39) Methylcyclohexane	7.123	83	1292	0.245	ug/l #	1
44) Trichloroethene	7.123	130	108326	32.299	ug/l	97
49) 1,4-Dioxane	7.671	88	1229	14.898	ug/l #	83
51) 4-Methyl-2-Pentanone	8.647	43	2585	0.546	ug/l #	1
60) Dibromochloromethane	9.275	129	3169	0.953	ug/l #	10
64) Tetrachloroethene	9.275	164	3210	1.253	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	98868	27.008	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	98868	73.065	ug/l #	8

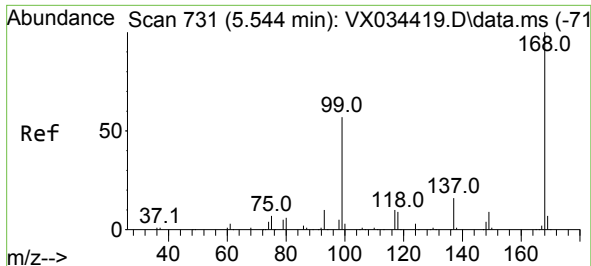
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

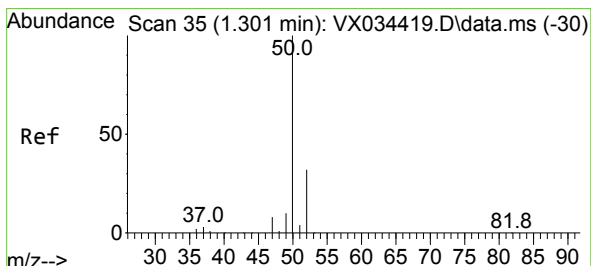
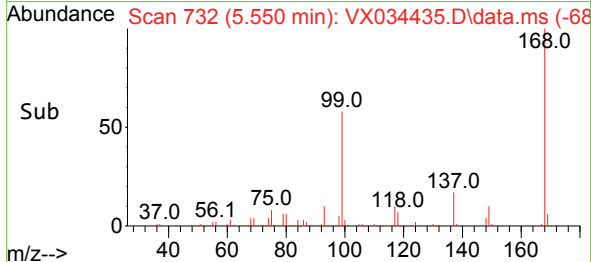
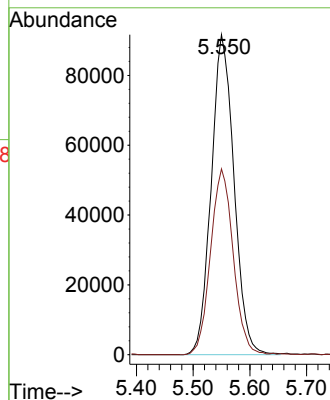
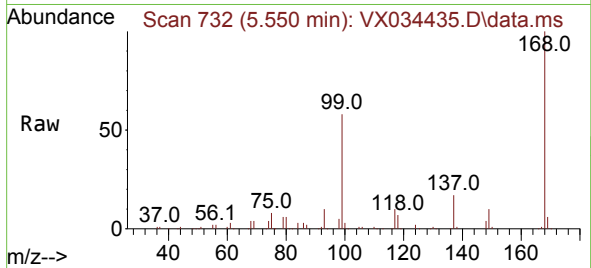




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

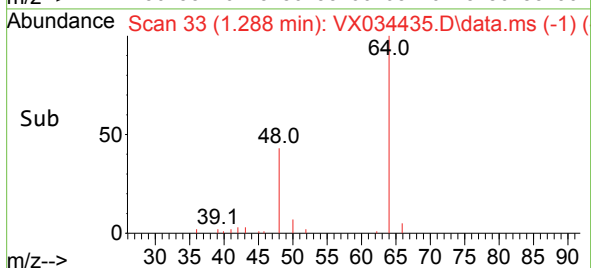
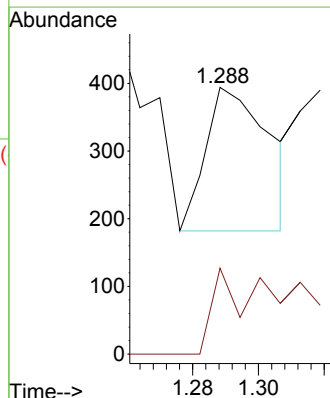
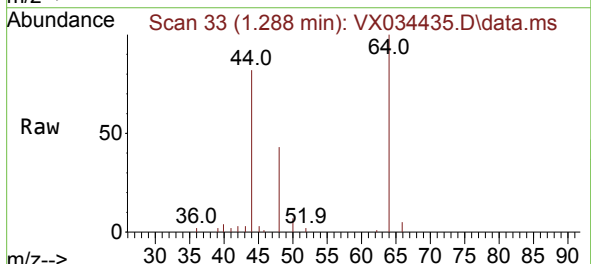
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20230308

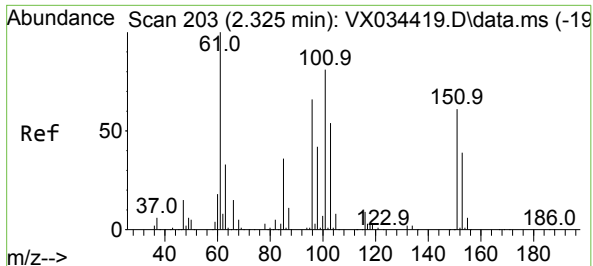
Tgt Ion:168 Resp: 255673
Ion Ratio Lower Upper
168 100
99 58.1 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.013 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

Tgt Ion: 50 Resp: 283
Ion Ratio Lower Upper
50 100
52 59.9 25.9 38.9#

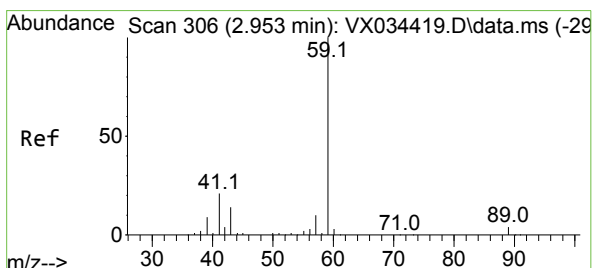
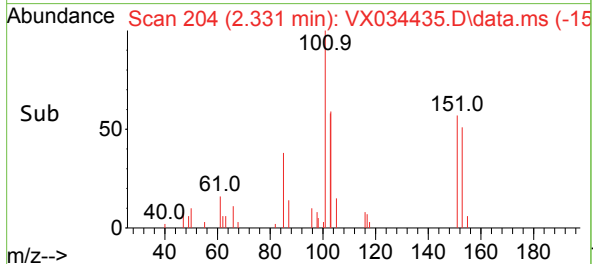
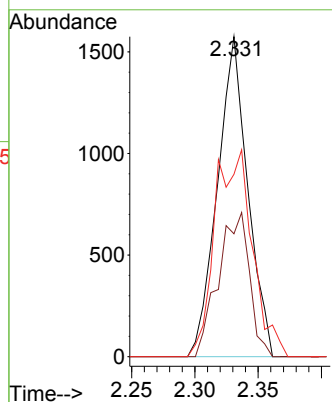
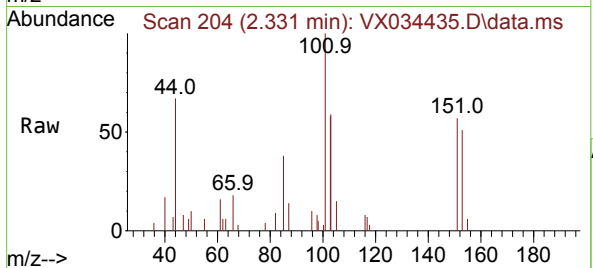




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.922 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

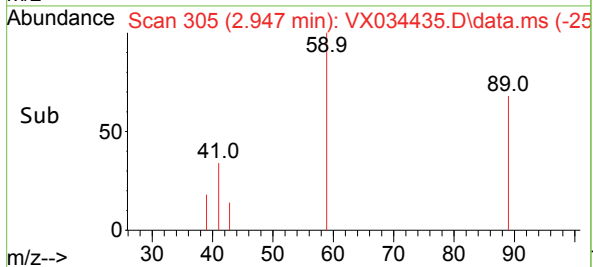
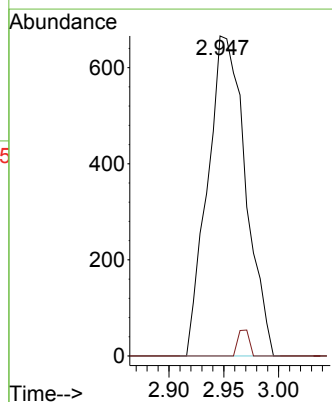
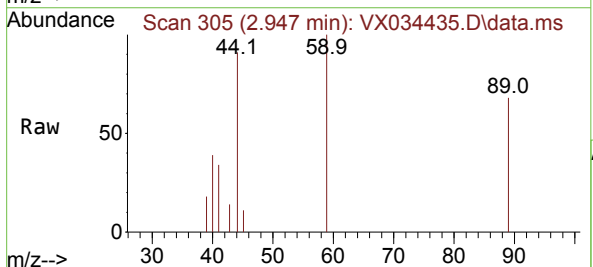
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20230308

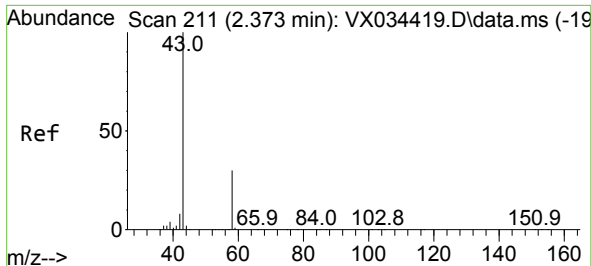
Tgt Ion:101 Resp: 2619
Ion Ratio Lower Upper
101 100
85 46.3 35.4 53.2
151 80.5 60.2 90.4



#11
Tert butyl alcohol
Concen: 2.071 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

Tgt Ion: 59 Resp: 1604
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

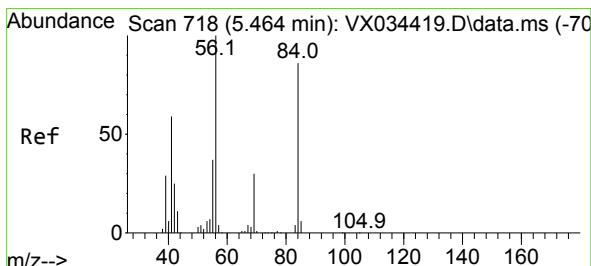
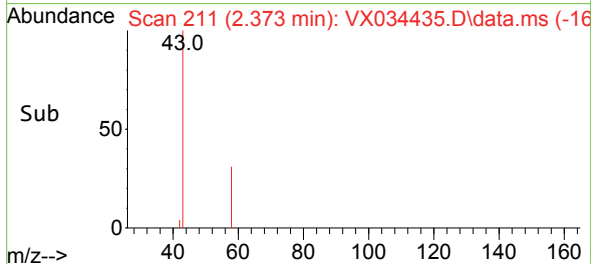
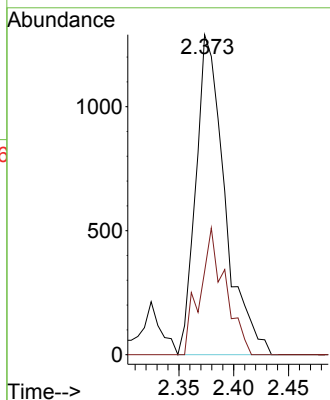
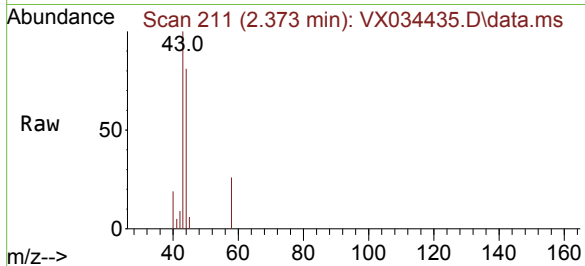




#16
Acetone
Concen: 1.352 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

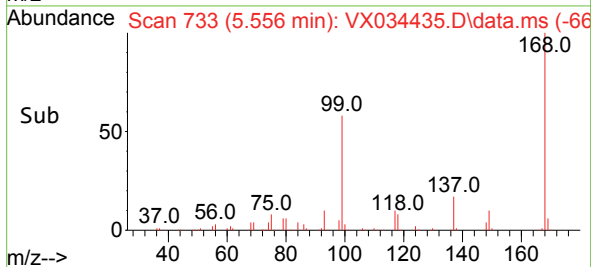
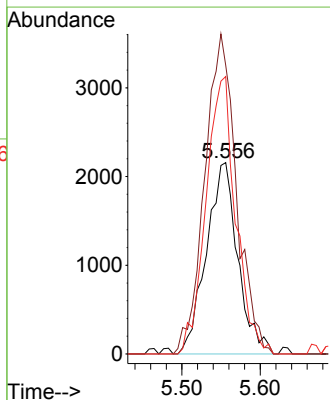
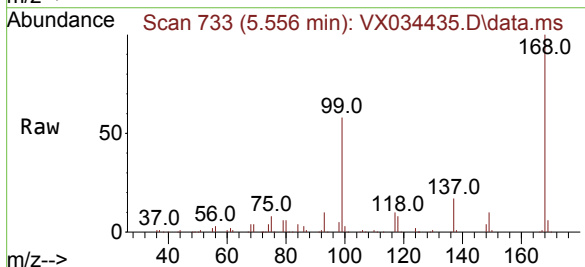
Instrument :
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ClientSampleId :
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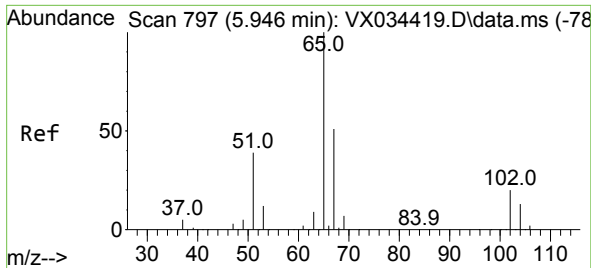
Tgt Ion: 43 Resp: 2369
Ion Ratio Lower Upper
43 100
58 26.0 24.7 37.1



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.091 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

Tgt Ion: 56 Resp: 6006
Ion Ratio Lower Upper
56 100
69 150.8 23.7 35.5#
84 144.9 68.5 102.7#

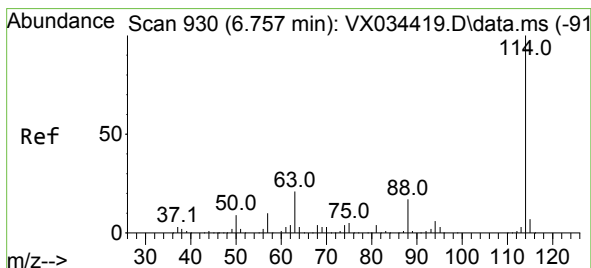
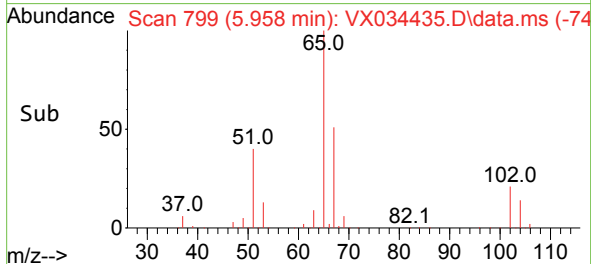
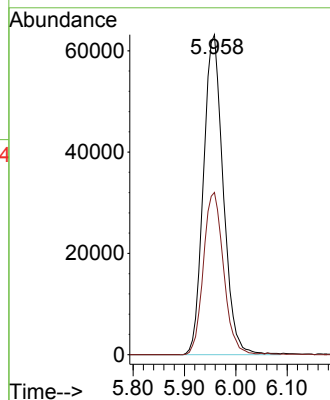
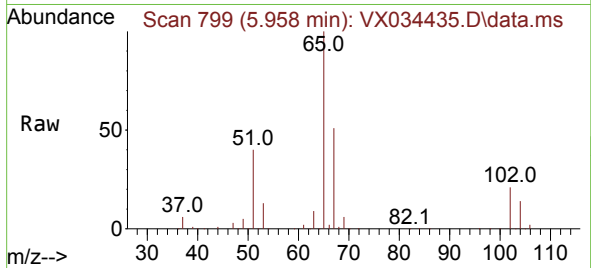




#33
 1,2-Dichloroethane-d4
 Concen: 45.367 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.012 min
 Lab File: VX034435.D
 Acq: 13 Mar 2023 16:12

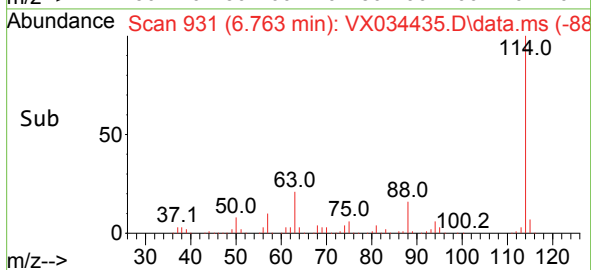
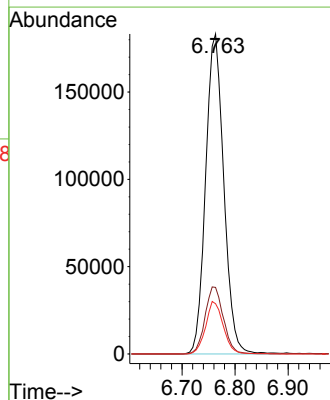
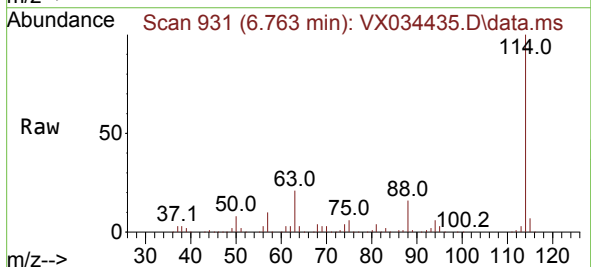
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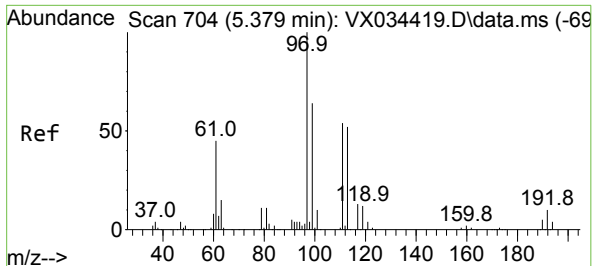
Tgt Ion: 65 Resp: 168744
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX034435.D
 Acq: 13 Mar 2023 16:12

Tgt Ion: 114 Resp: 435106
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.2
 88 15.7 0.0 33.2

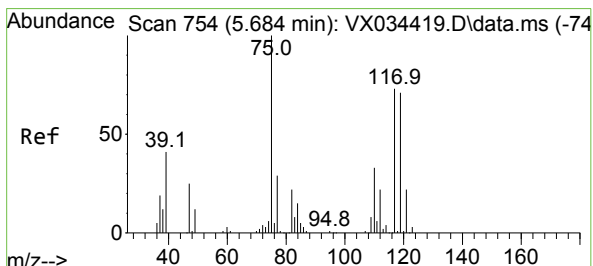
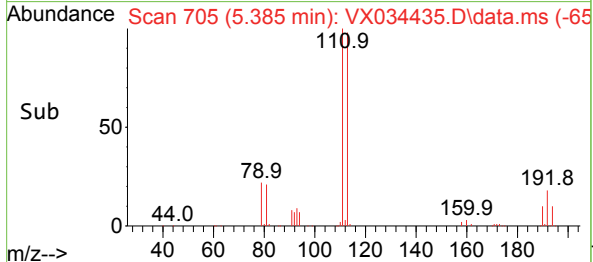
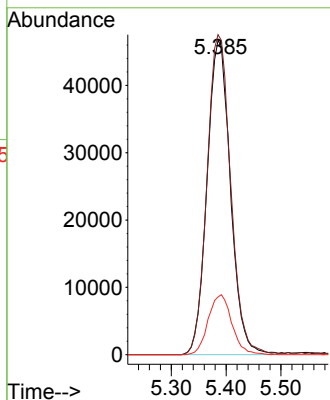
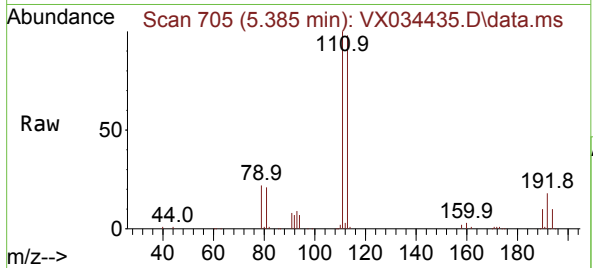




#35
Dibromofluoromethane
Concen: 48.103 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

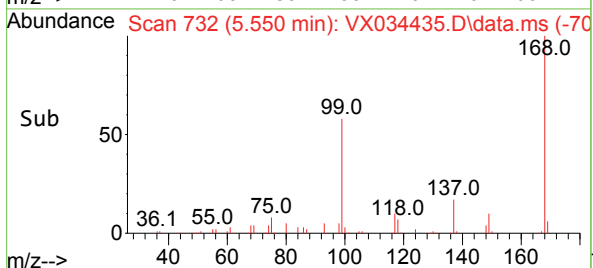
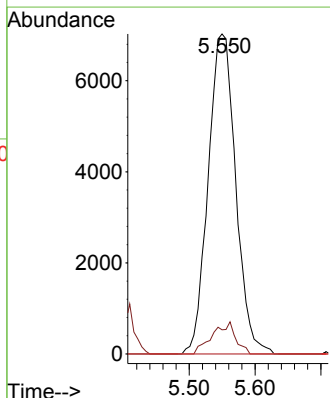
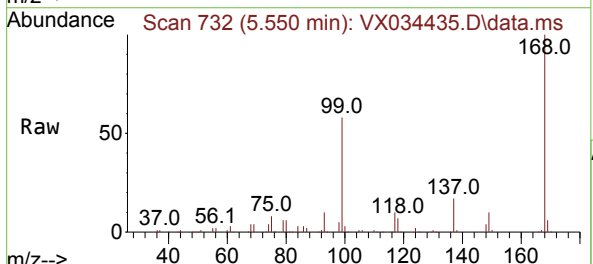
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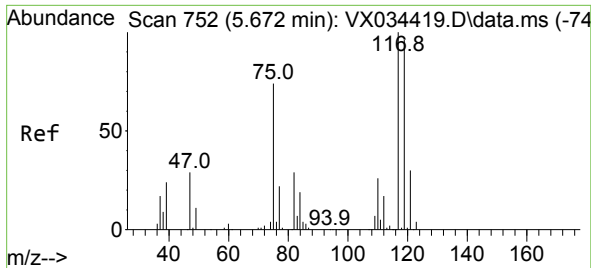
Tgt Ion:113 Resp: 138190
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 19.3 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.641 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

Tgt Ion: 75 Resp: 20480
Ion Ratio Lower Upper
75 100
110 8.4 17.5 52.5#
77 0.0 24.3 36.5#

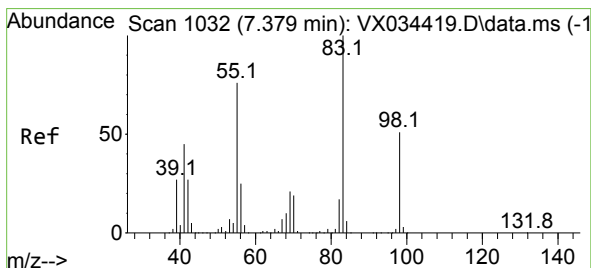
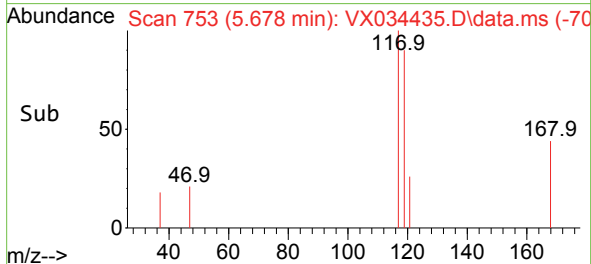
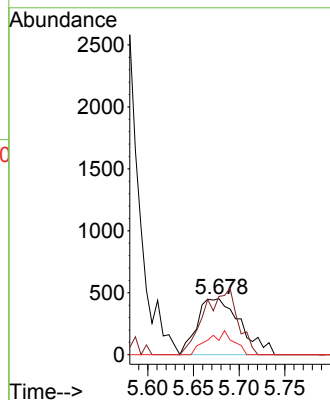
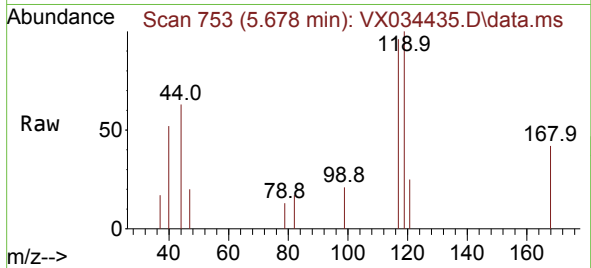




#38
Carbon Tetrachloride
Concen: 0.340 ug/l
RT: 5.678 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

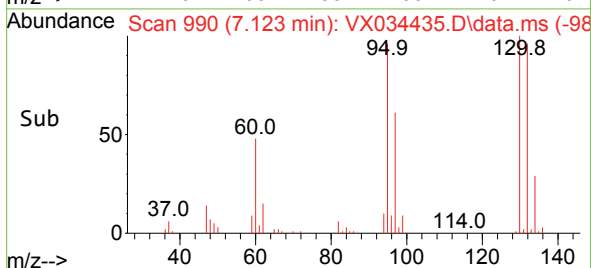
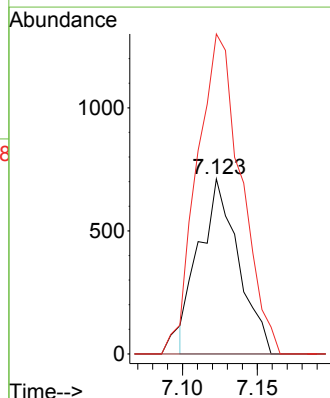
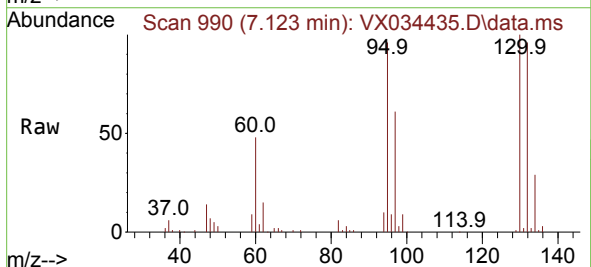
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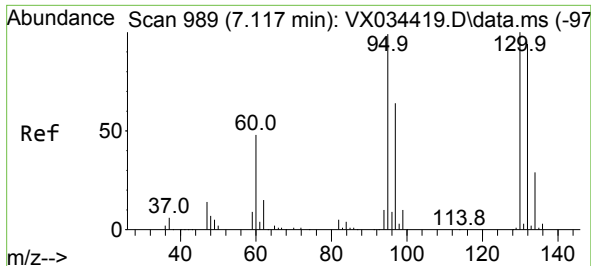
Tgt Ion:117 Resp: 1493
Ion Ratio Lower Upper
117 100
119 103.8 76.6 114.8
121 25.6 23.8 35.6



#39
Methylcyclohexane
Concen: 0.245 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

Tgt Ion: 83 Resp: 1292
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 182.8 40.4 60.6#

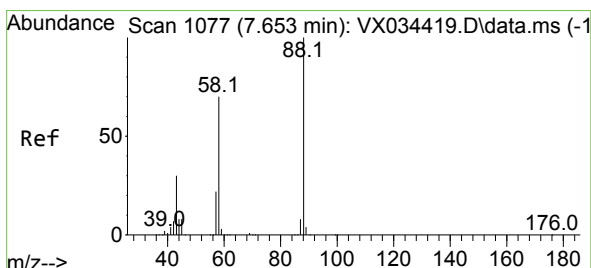
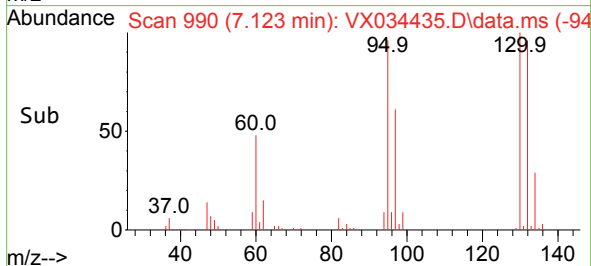
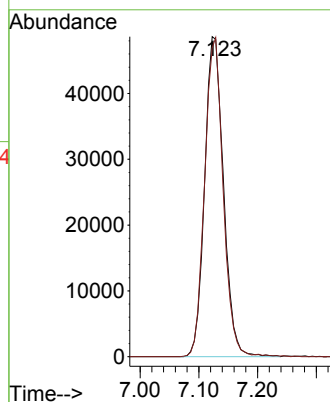
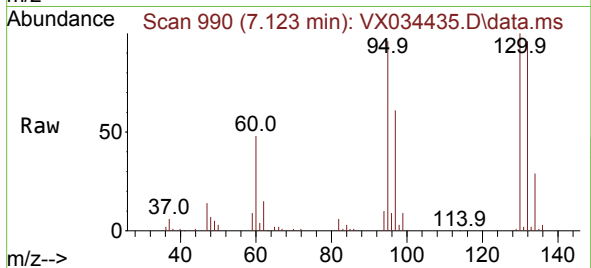




#44
Trichloroethene
Concen: 32.299 ug/l
RT: 7.123 min Scan# 94
Delta R.T. 0.006 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

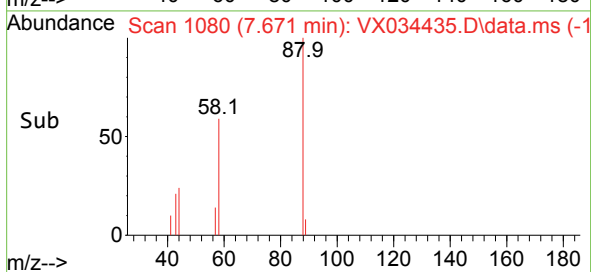
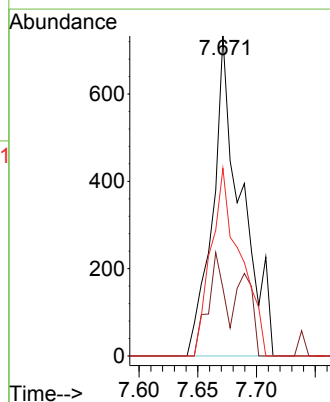
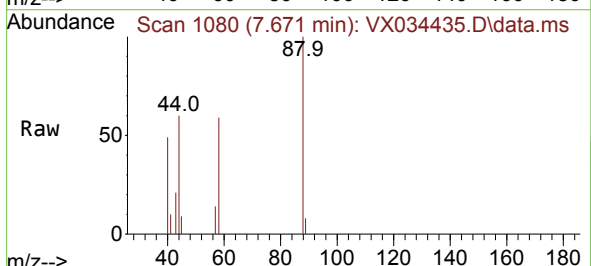
Instrument :
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ClientSampleId :
RE109D3-20230308

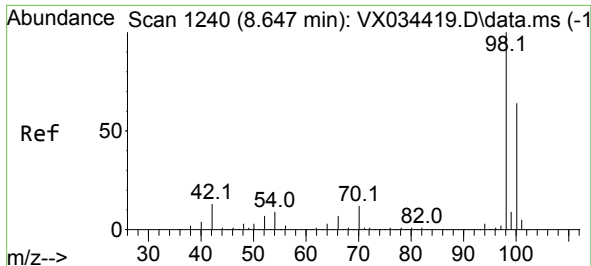
Tgt Ion:130 Resp: 108326
Ion Ratio Lower Upper
130 100
95 96.5 0.0 198.4



#49
1,4-Dioxane
Concen: 14.898 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.018 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

Tgt Ion: 88 Resp: 1229
Ion Ratio Lower Upper
88 100
43 19.3 27.7 41.5#
58 60.6 56.8 85.2

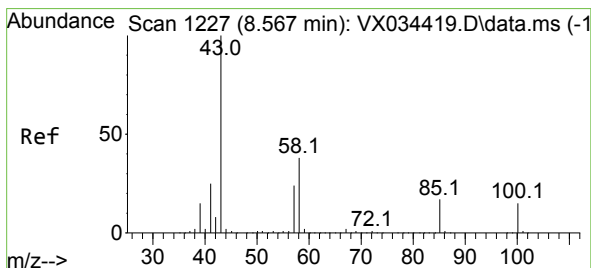
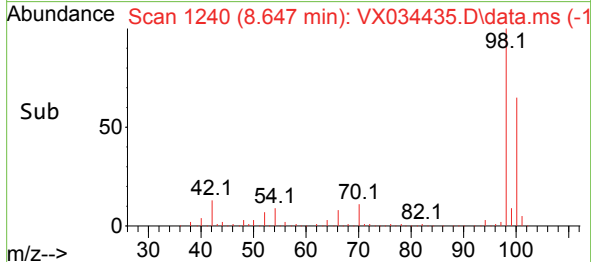
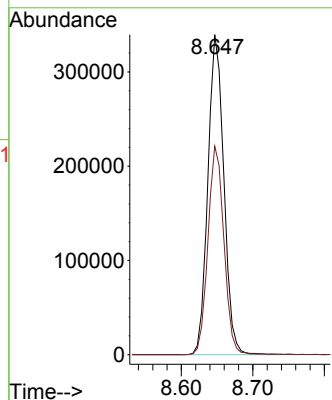
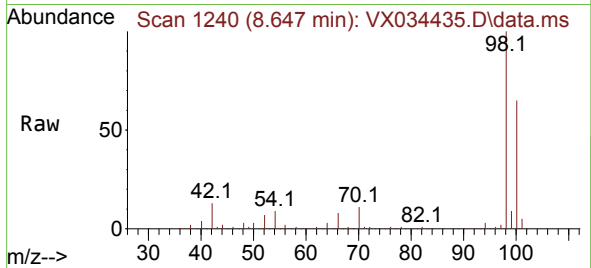




#50
Toluene-d8
Concen: 49.086 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

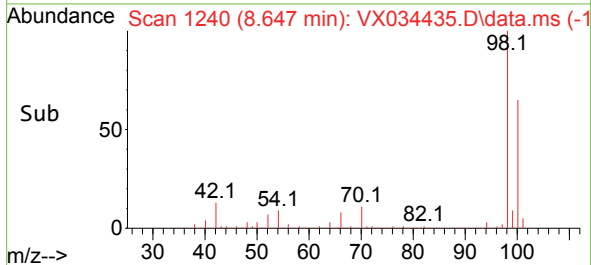
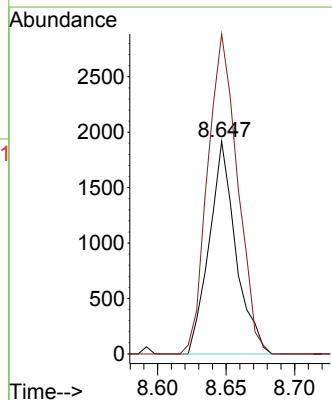
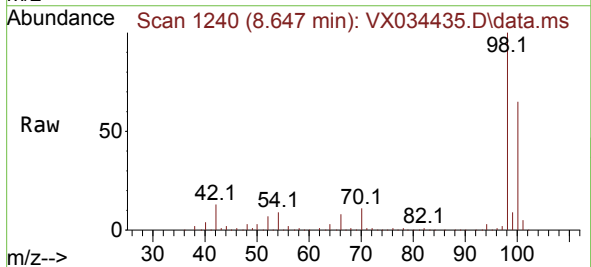
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20230308

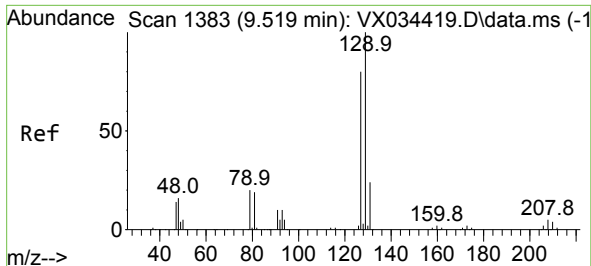
Tgt Ion: 98 Resp: 526415
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.546 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

Tgt Ion: 43 Resp: 2585
Ion Ratio Lower Upper
43 100
58 169.4 30.6 46.0#

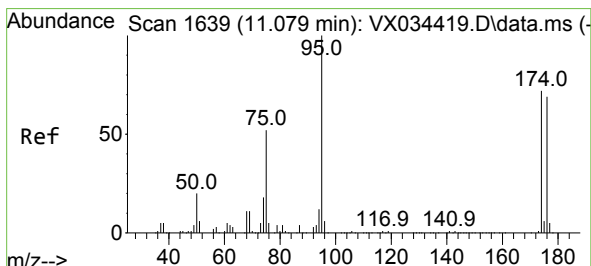
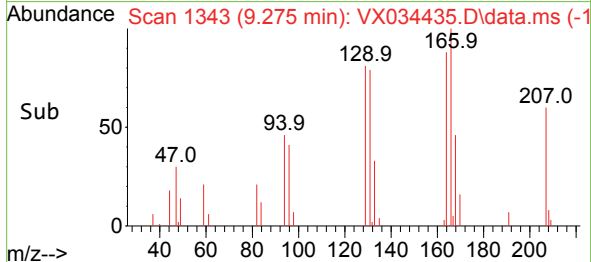
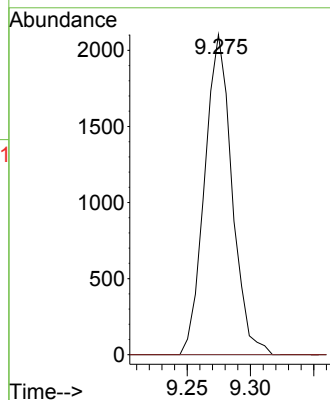
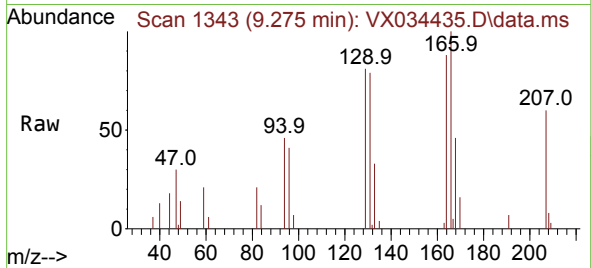




#60
Dibromochloromethane
Concen: 0.953 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

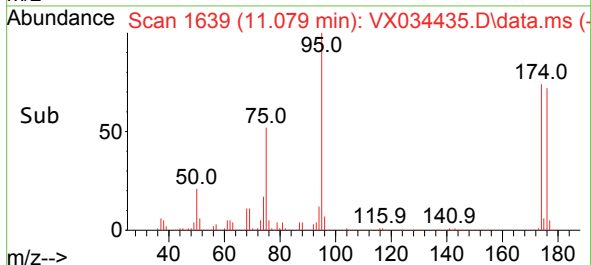
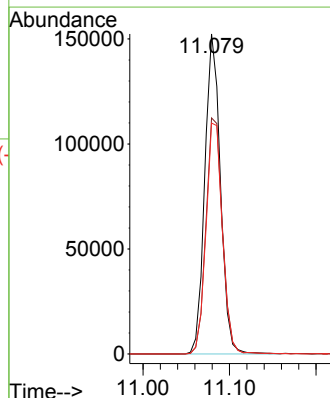
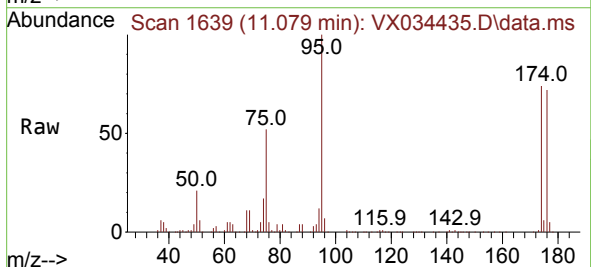
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20230308

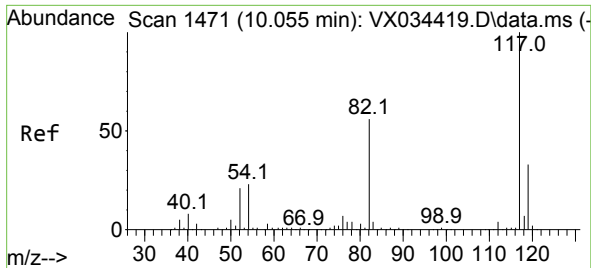
Tgt Ion:129 Resp: 3169
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 43.994 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

Tgt Ion: 95 Resp: 190572
Ion Ratio Lower Upper
95 100
174 77.9 0.0 147.4
176 76.3 0.0 140.6

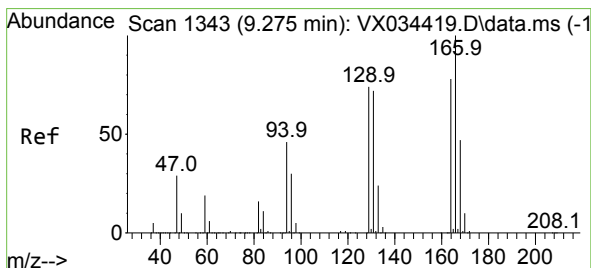
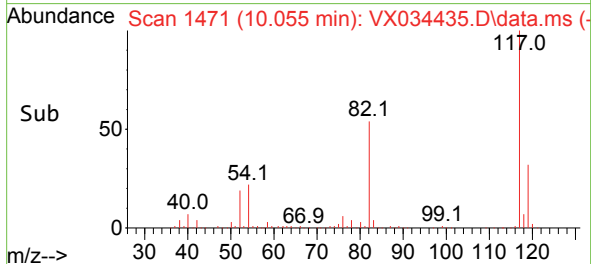
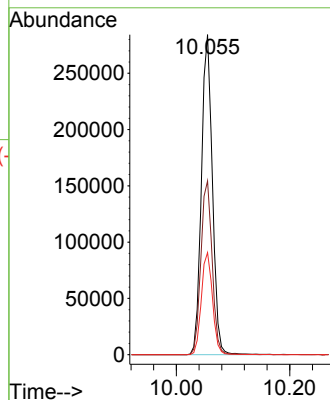
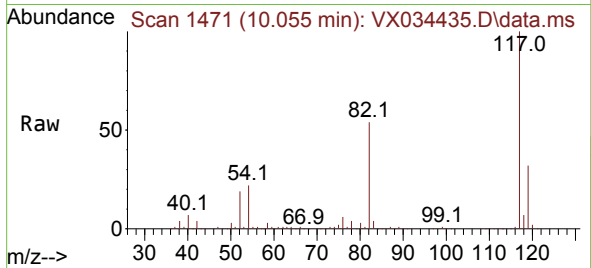




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

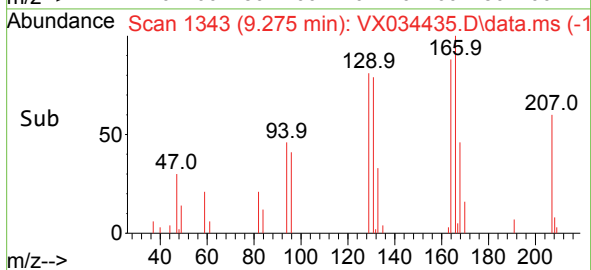
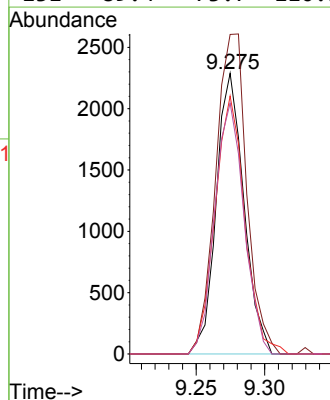
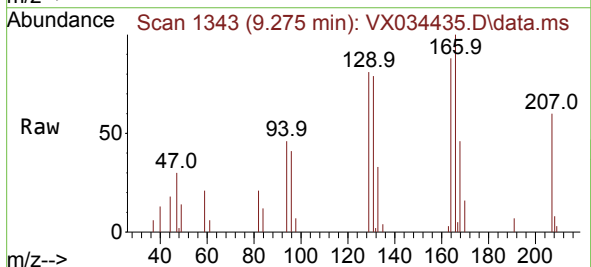
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20230308

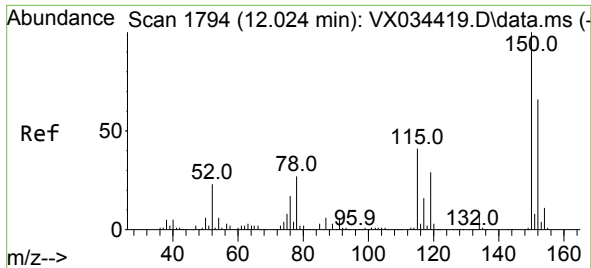
Tgt Ion:117 Resp: 381236
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 31.9 26.0 39.0



#64
Tetrachloroethene
Concen: 1.253 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX034435.D
Acq: 13 Mar 2023 16:12

Tgt Ion:164 Resp: 3210
Ion Ratio Lower Upper
164 100
166 113.9 102.7 154.1
129 91.9 75.6 113.4
131 89.4 73.7 110.5

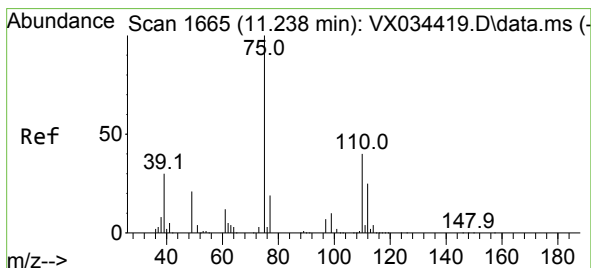
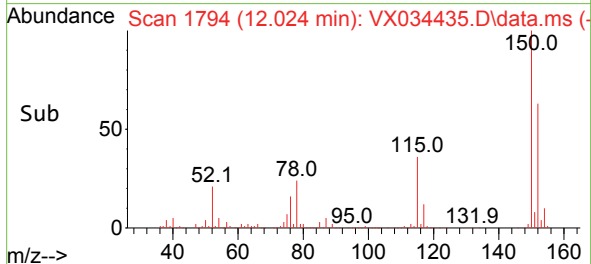
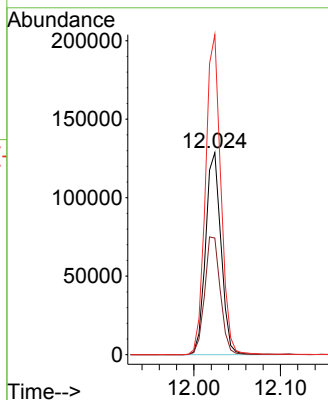
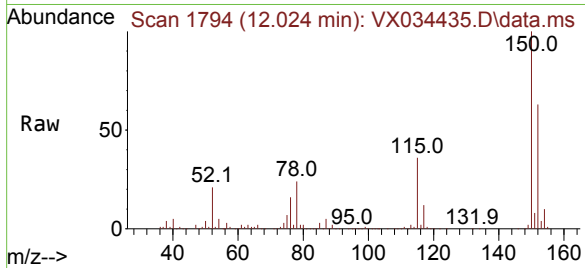




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX034435.D
 Acq: 13 Mar 2023 16:12

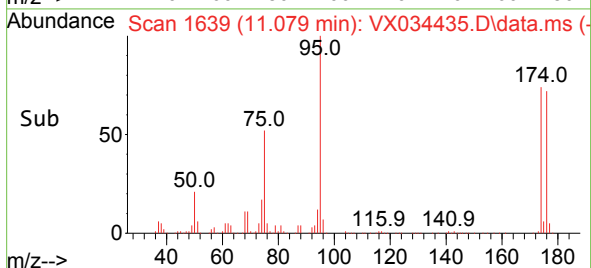
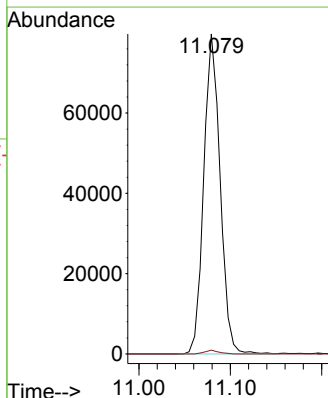
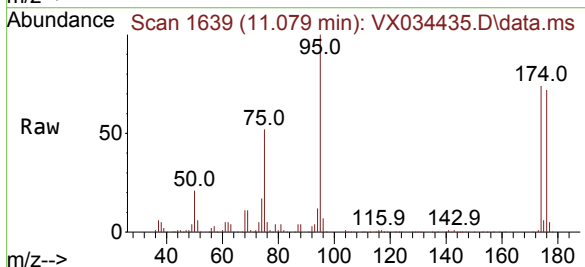
Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20230308

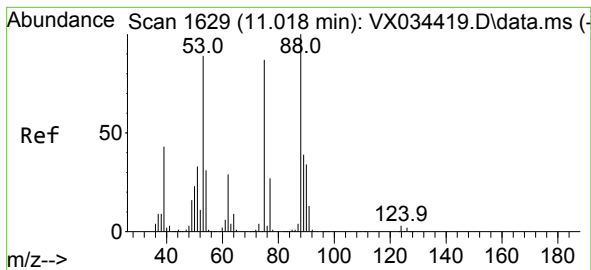
Tgt Ion:152 Resp: 159429
 Ion Ratio Lower Upper
 152 100
 115 59.2 45.0 135.0
 150 157.3 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 27.008 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX034435.D
 Acq: 13 Mar 2023 16:12

Tgt Ion: 75 Resp: 98868
 Ion Ratio Lower Upper
 75 100
 77 1.0 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.065 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034435.D
 Acq: 13 Mar 2023 16:12

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20230308

Tgt Ion: 75 Resp: 98868
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

