

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031523\
 Data File : VX034522.D
 Acq On : 15 Mar 2023 20:41
 Operator : JC/MD
 Sample : 01903-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20230310

Quant Time: Mar 16 05:24:44 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

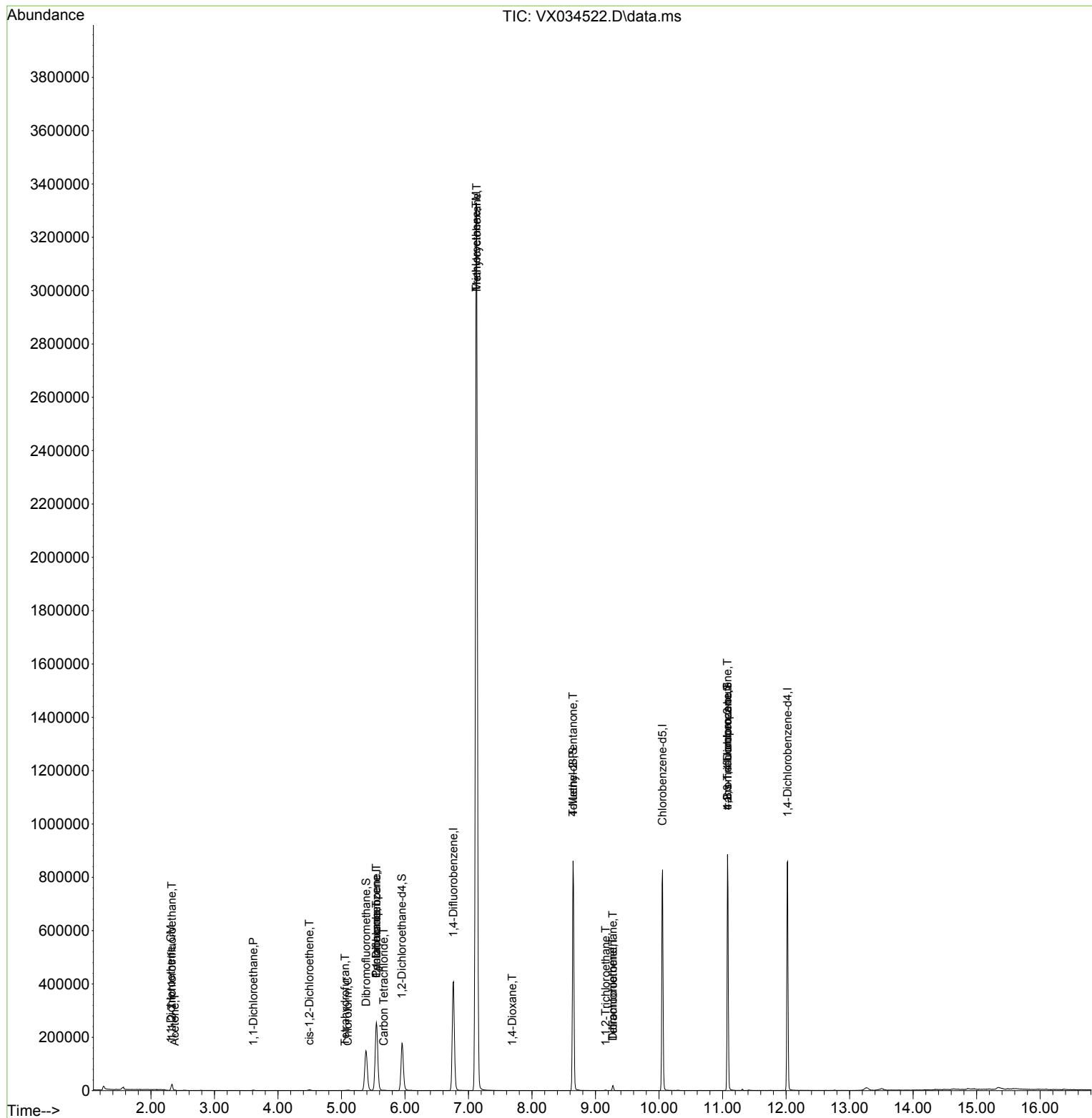
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	242604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	414408	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	360991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161902	45.872	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.740%
35) Dibromofluoromethane	5.385	113	128564	46.988	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.980%
50) Toluene-d8	8.647	98	497129	48.671	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.340%
62) 4-Bromofluorobenzene	11.079	95	232477	56.348	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.700%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	380	Below Cal	#	51
9) 1,1,2-Trichlorotrifluo...	2.331	101	8150	3.022	ug/l	99
12) 1,1-Dichloroethene	2.313	96	1156	0.435	ug/l	81
16) Acetone	2.374	43	1039	0.625	ug/l	89
24) 1,1-Dichloroethane	3.611	63	1825	0.331	ug/l #	78
27) cis-1,2-Dichloroethene	4.495	96	1901	0.560	ug/l	89
29) Tetrahydrofuran	5.056	42	437	0.298	ug/l #	34
30) Chloroform	5.099	83	1950	0.360	ug/l	87
31) Cyclohexane	5.550	56	5624	1.136	ug/l #	12
36) 1,1-Dichloropropene	5.550	75	19303	4.593	ug/l #	50
38) Carbon Tetrachloride	5.666	117	881	0.211	ug/l #	62
39) Methylcyclohexane	7.129	83	15662	3.114	ug/l #	1
44) Trichloroethene	7.123	130	1261272	394.854	ug/l	96
49) 1,4-Dioxane	7.690	88	49	0.624	ug/l #	1
51) 4-Methyl-2-Pentanone	8.647	43	2696	0.598	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	624	0.207	ug/l #	62
60) Dibromochloromethane	9.275	129	2676	0.845	ug/l #	10
64) Tetrachloroethene	9.275	164	2796	1.153	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	125036	31.548	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	125036	85.347	ug/l #	8

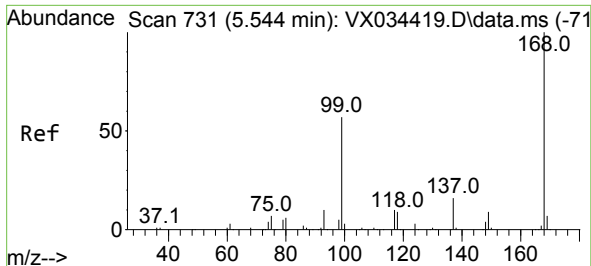
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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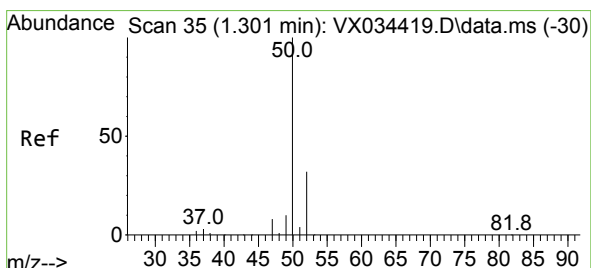
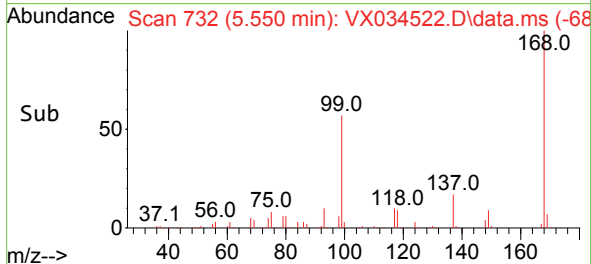
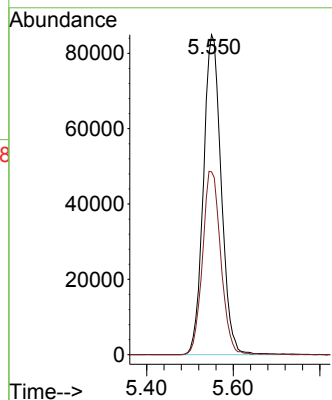
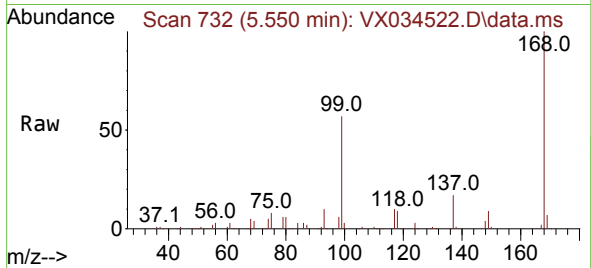




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

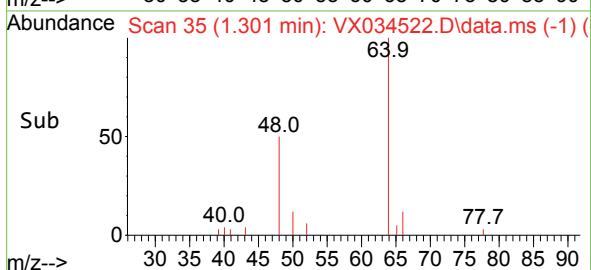
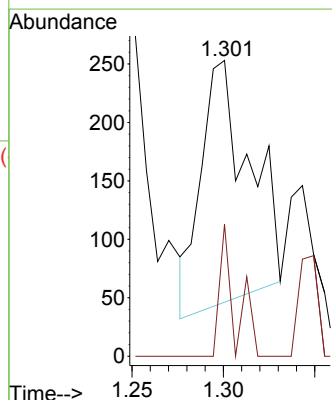
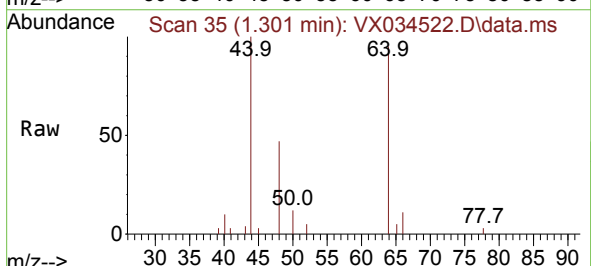
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20230310

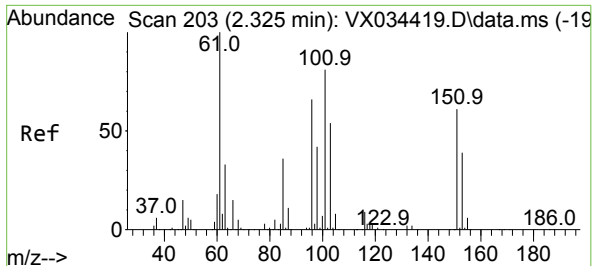
Tgt Ion:168 Resp: 242604
Ion Ratio Lower Upper
168 100
99 57.2 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

Tgt Ion: 50 Resp: 380
Ion Ratio Lower Upper
50 100
52 59.8 25.9 38.9#

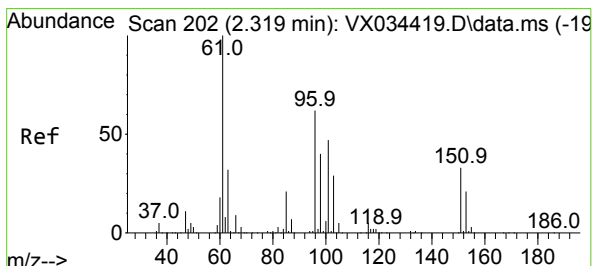
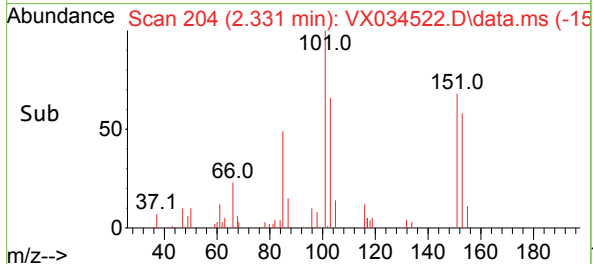
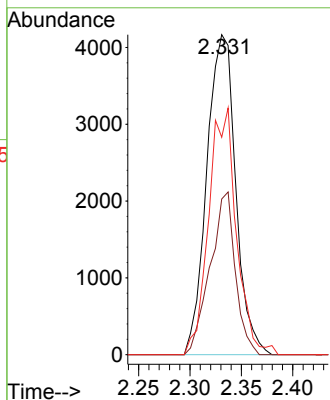
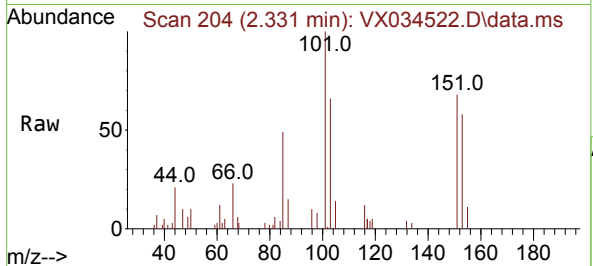




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.022 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

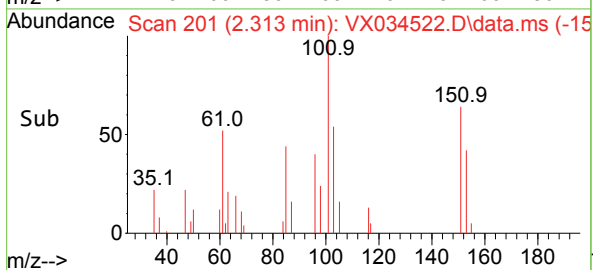
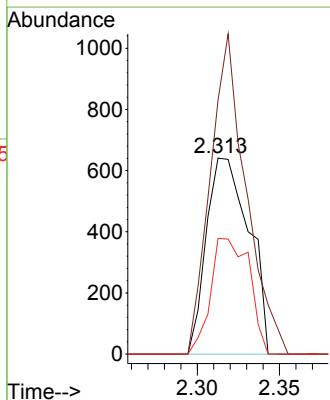
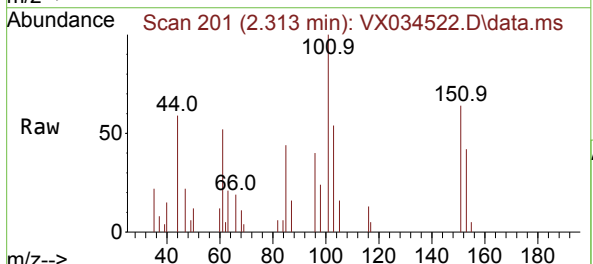
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20230310

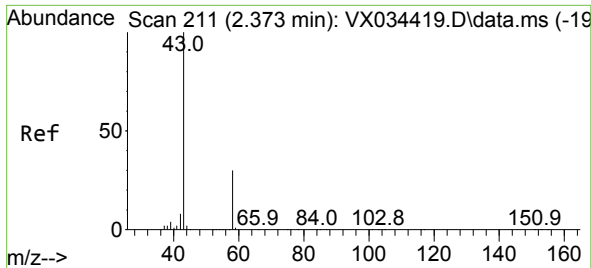
Tgt Ion:101 Resp: 8150
Ion Ratio Lower Upper
101 100
85 44.3 35.4 53.2
151 74.1 60.2 90.4



#12
1,1-Dichloroethene
Concen: 0.435 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

Tgt Ion: 96 Resp: 1156
Ion Ratio Lower Upper
96 100
61 129.6 128.8 193.2
98 59.0 51.4 77.0

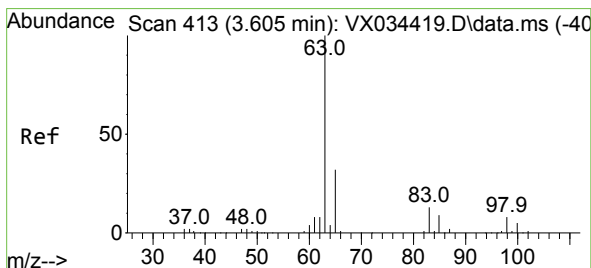
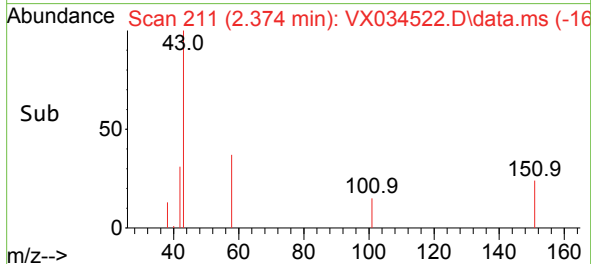
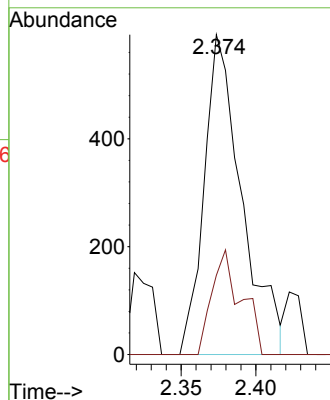
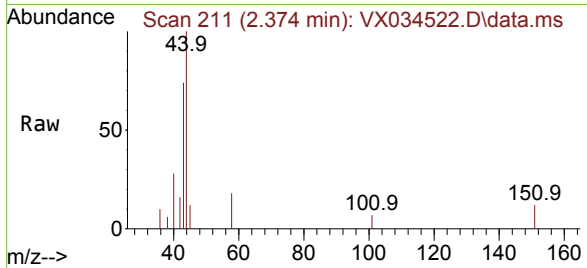




#16
Acetone
Concen: 0.625 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

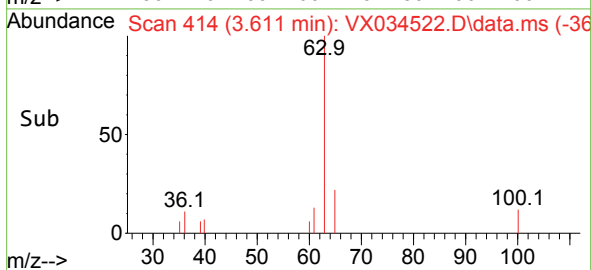
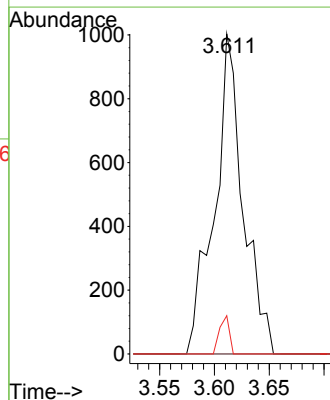
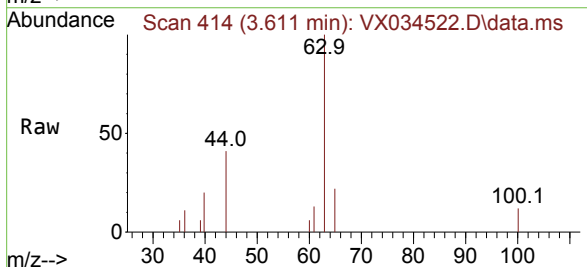
Instrument :
MSVOA_X
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RE103D2-20230310

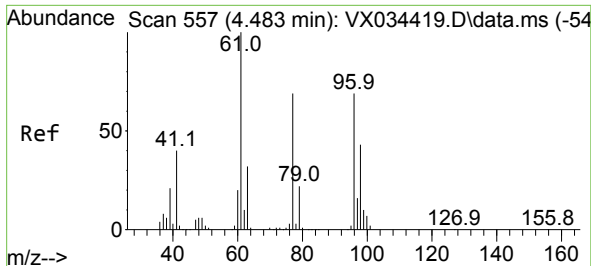
Tgt Ion: 43 Resp: 1039
Ion Ratio Lower Upper
43 100
58 24.8 24.7 37.1



#24
1,1-Dichloroethane
Concen: 0.331 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

Tgt Ion: 63 Resp: 1825
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 12.0 2.4 7.1#





#27

cis-1,2-Dichloroethene

Concen: 0.560 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX034522.D

Acq: 15 Mar 2023 20:41

Instrument :

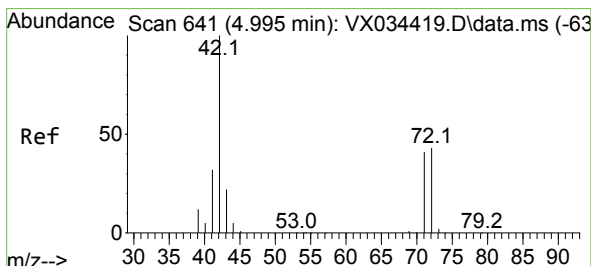
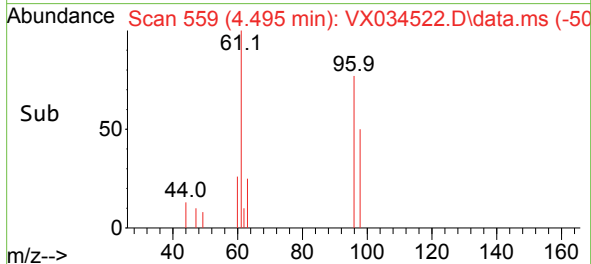
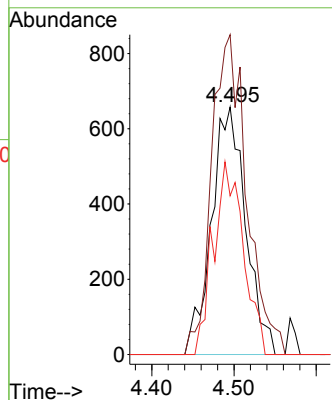
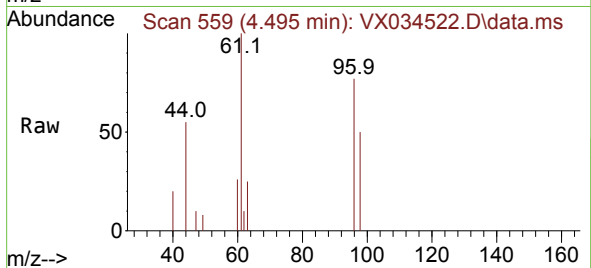
MSVOA_X

ClientSampleId :

RE103D2-20230310

Tgt Ion: 96 Resp: 1901

Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	300.4
98	68.1	0.0	129.0



#29

Tetrahydrofuran

Concen: 0.298 ug/l

RT: 5.056 min Scan# 651

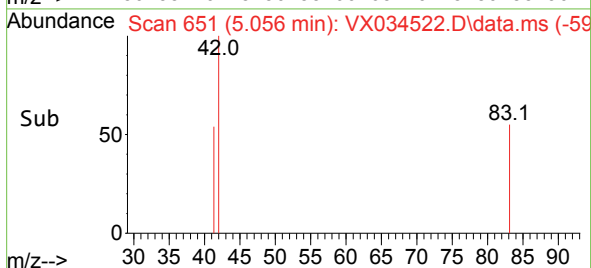
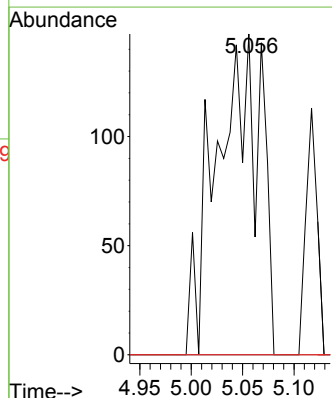
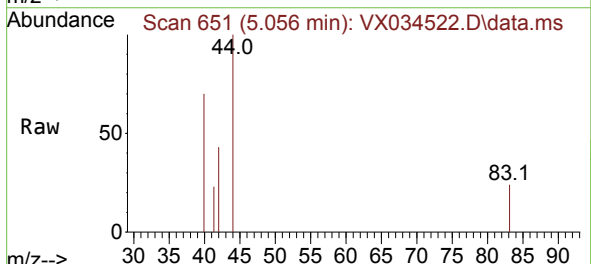
Delta R.T. 0.061 min

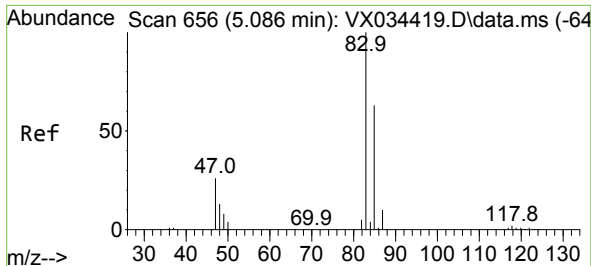
Lab File: VX034522.D

Acq: 15 Mar 2023 20:41

Tgt Ion: 42 Resp: 437

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.5	51.7#
71	0.0	32.1	48.1#





#30

Chloroform

Concen: 0.360 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX034522.D

Acq: 15 Mar 2023 20:41

Instrument :

MSVOA_X

ClientSampleId :

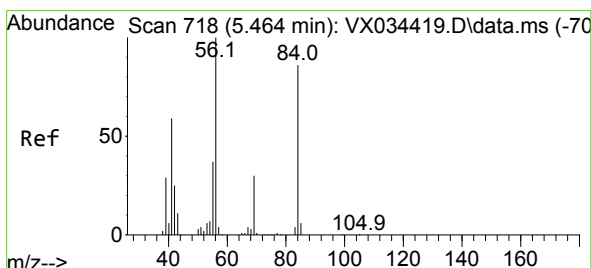
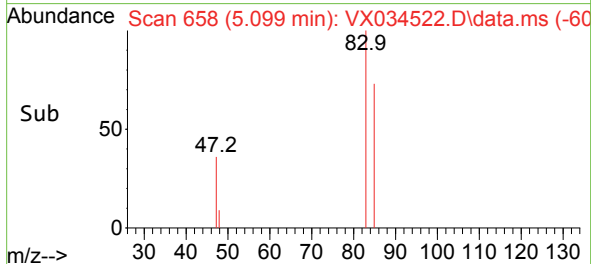
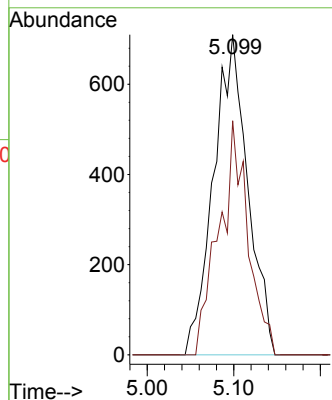
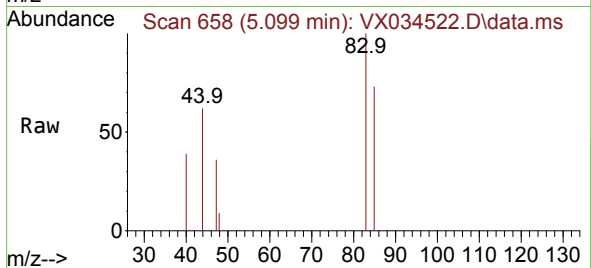
RE103D2-20230310

Tgt Ion: 83 Resp: 1950

Ion Ratio Lower Upper

83 100

85 73.1 50.6 76.0



#31

Cyclohexane

Concen: 1.136 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX034522.D

Acq: 15 Mar 2023 20:41

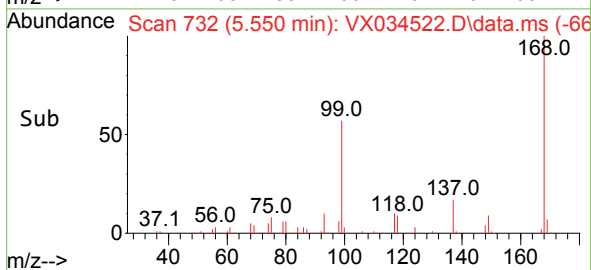
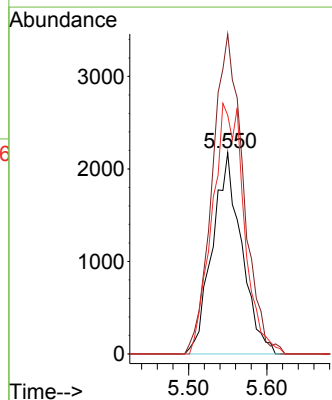
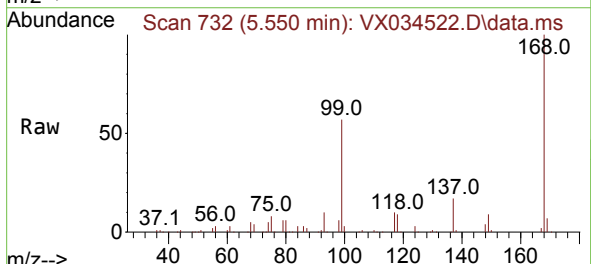
Tgt Ion: 56 Resp: 5624

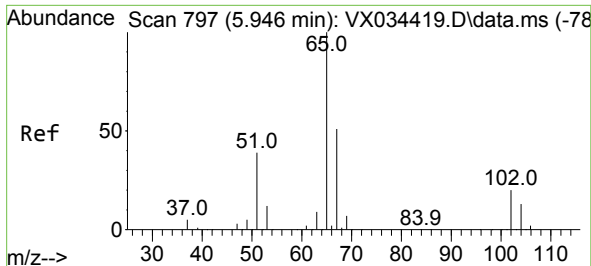
Ion Ratio Lower Upper

56 100

69 159.0 23.7 35.5#

84 118.6 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 45.872 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX034522.D

Acq: 15 Mar 2023 20:41

Instrument :

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ClientSampleId :

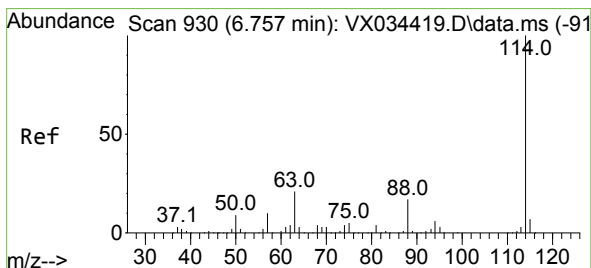
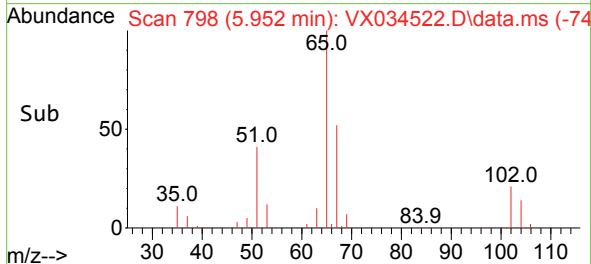
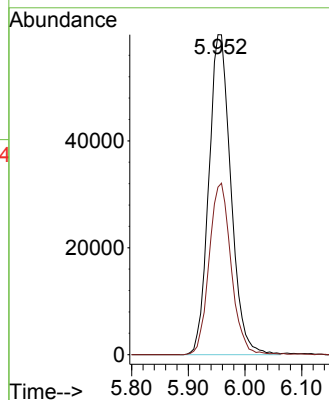
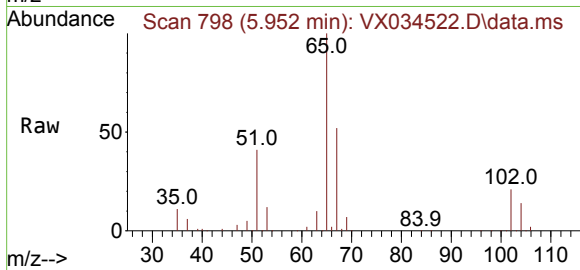
RE103D2-20230310

Tgt Ion: 65 Resp: 161902

Ion Ratio Lower Upper

65 100

67 53.5 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: VX034522.D

Acq: 15 Mar 2023 20:41

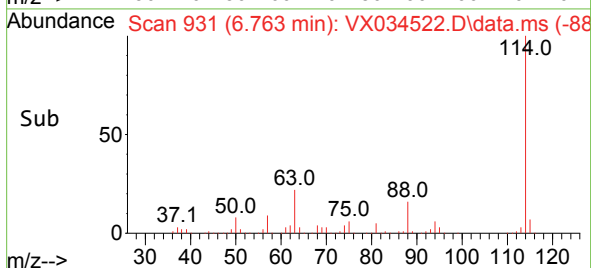
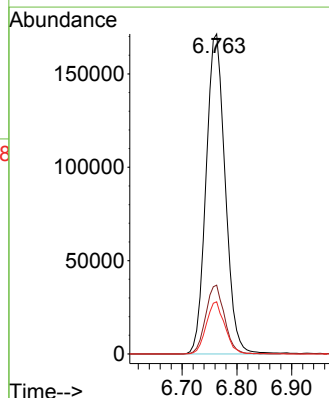
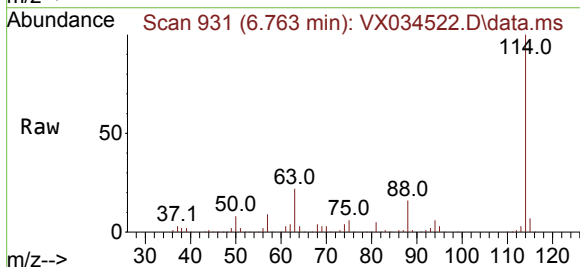
Tgt Ion: 114 Resp: 414408

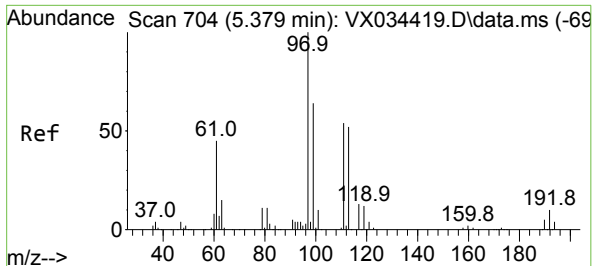
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.2

88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.988 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034522.D

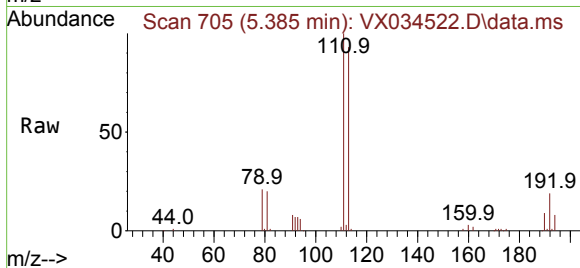
Acq: 15 Mar 2023 20:41

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20230310



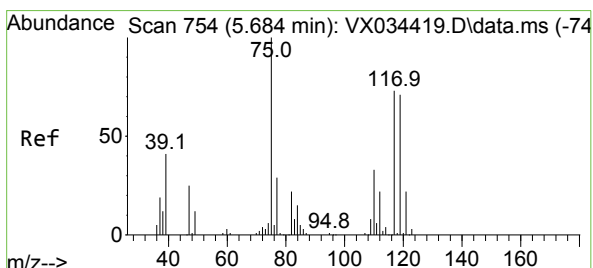
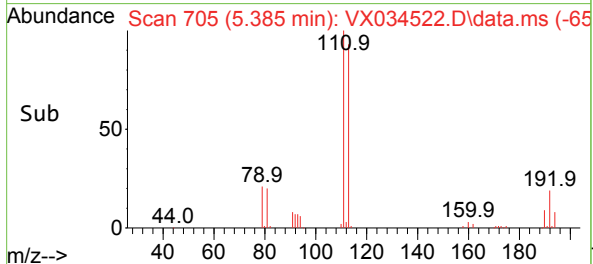
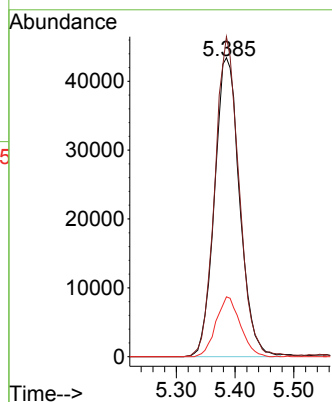
Tgt Ion:113 Resp: 128564

Ion Ratio Lower Upper

113 100

111 103.3 83.7 125.5

192 19.4 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.593 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX034522.D

Acq: 15 Mar 2023 20:41

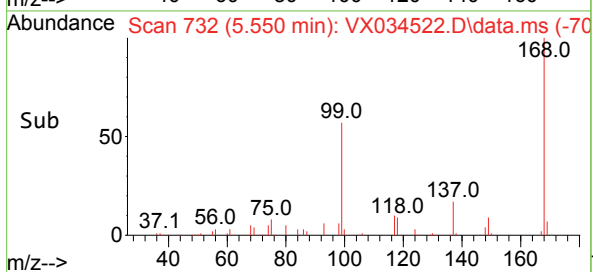
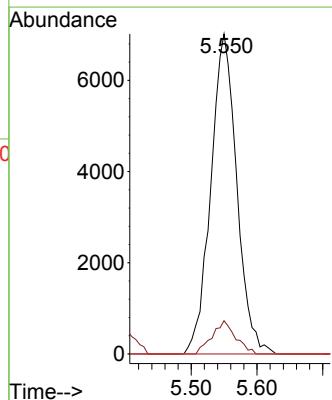
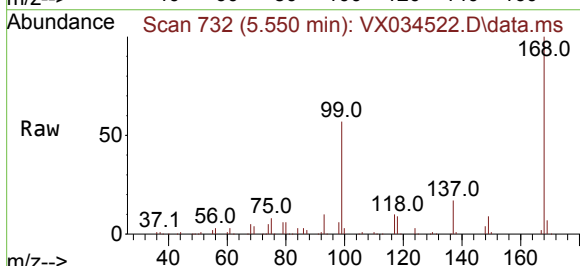
Tgt Ion: 75 Resp: 19303

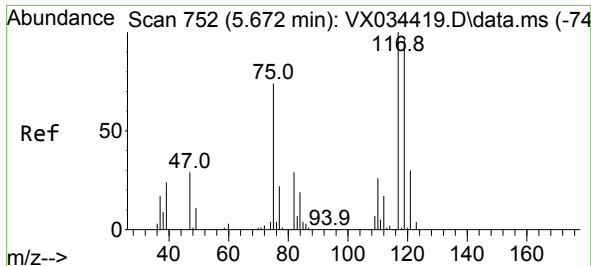
Ion Ratio Lower Upper

75 100

110 9.4 17.5 52.5#

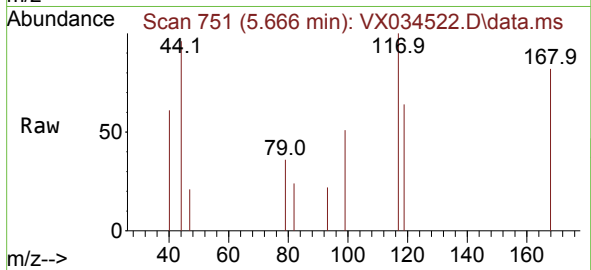
77 0.0 24.3 36.5#



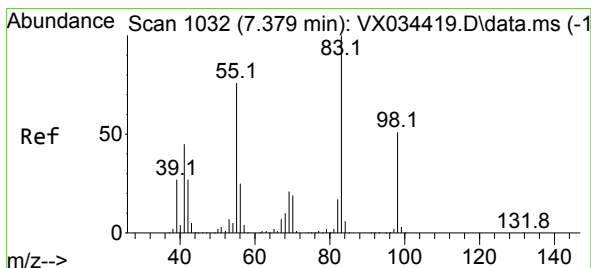
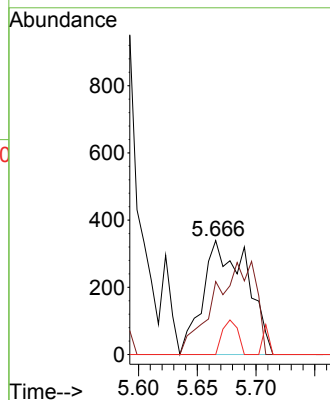
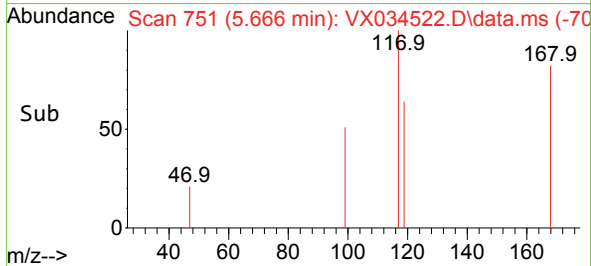


#38
Carbon Tetrachloride
Concen: 0.211 ug/l
RT: 5.666 min Scan# 711
Delta R.T. -0.006 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20230310

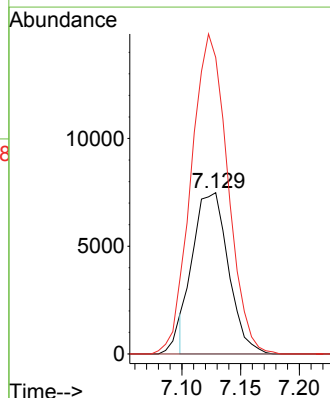
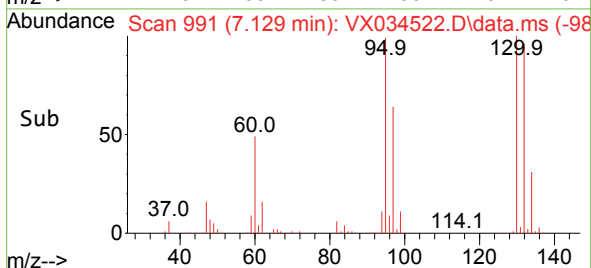
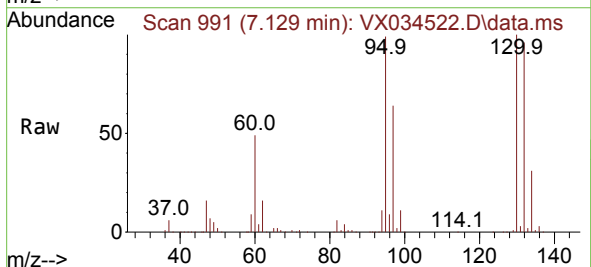


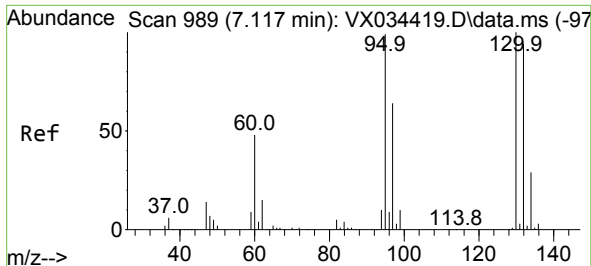
Tgt Ion:117 Resp: 881
Ion Ratio Lower Upper
117 100
119 64.0 76.6 114.8#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 3.114 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

Tgt Ion: 83 Resp: 15662
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 183.9 40.4 60.6#

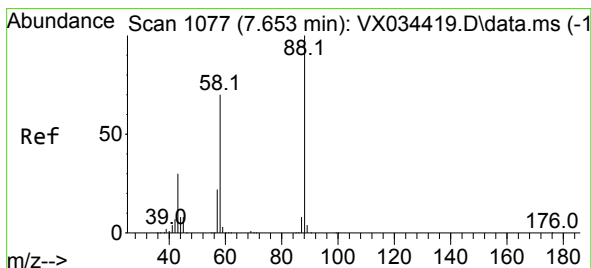
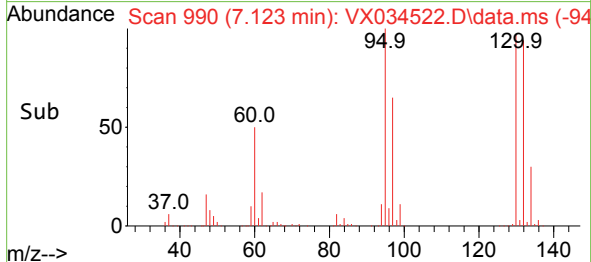
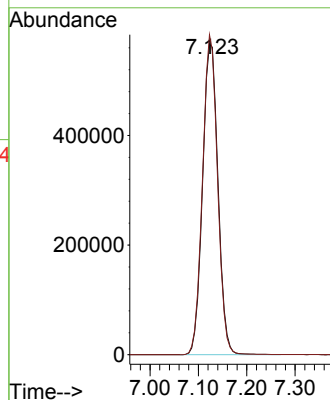
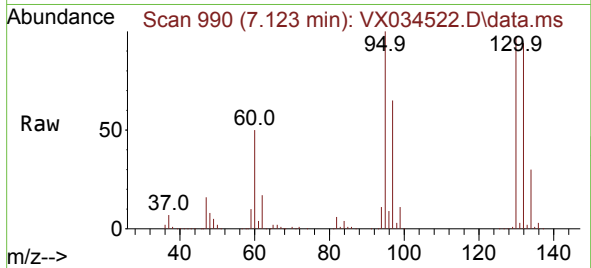




#44
Trichloroethene
Concen: 394.854 ug/l
RT: 7.123 min Scan# 94
Delta R.T. 0.006 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

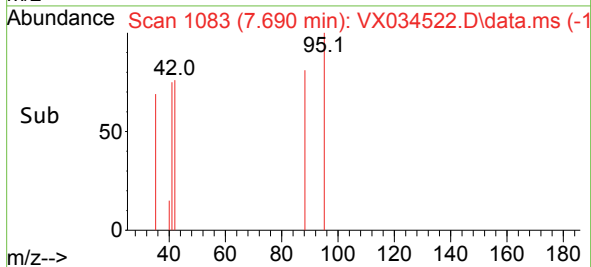
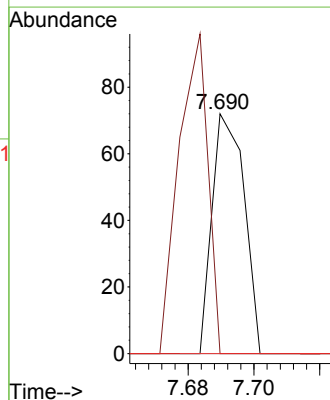
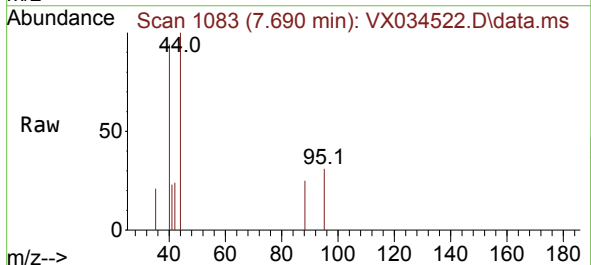
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20230310

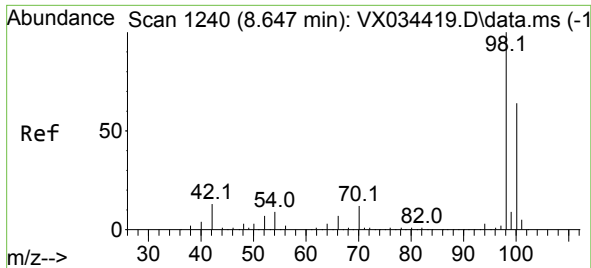
Tgt Ion:130 Resp: 1261272
Ion Ratio Lower Upper
130 100
95 103.0 0.0 198.4



#49
1,4-Dioxane
Concen: 0.624 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.037 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 120.4 27.7 41.5#
58 0.0 56.8 85.2#

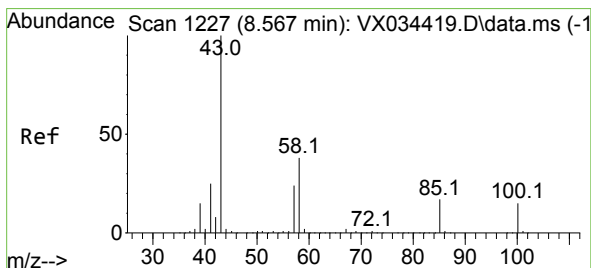
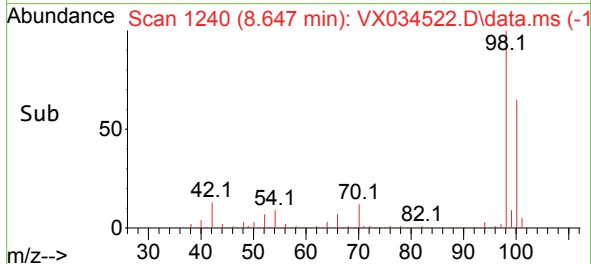
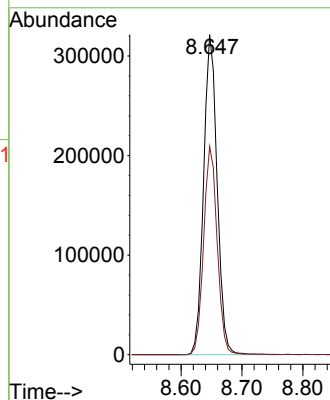
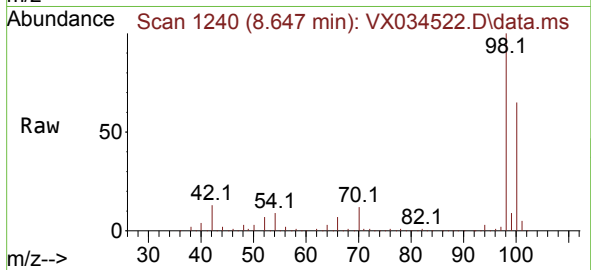




#50
Toluene-d8
Concen: 48.671 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

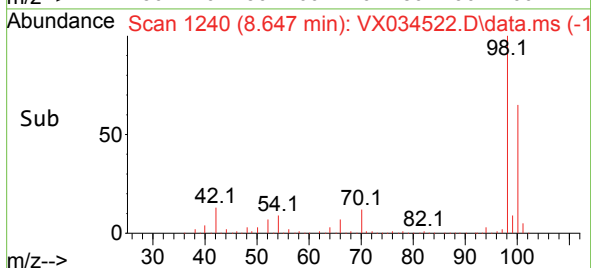
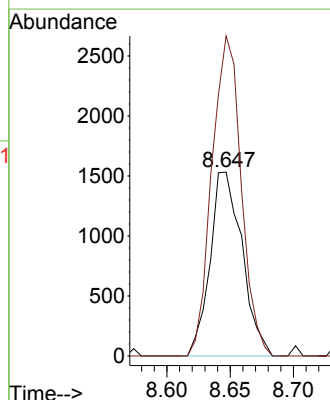
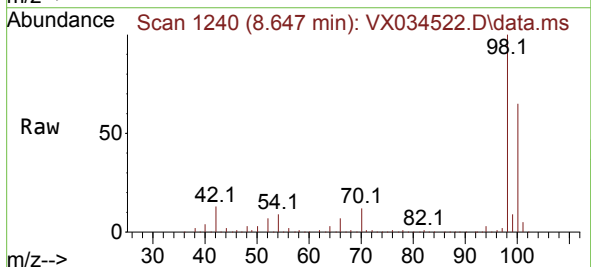
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20230310

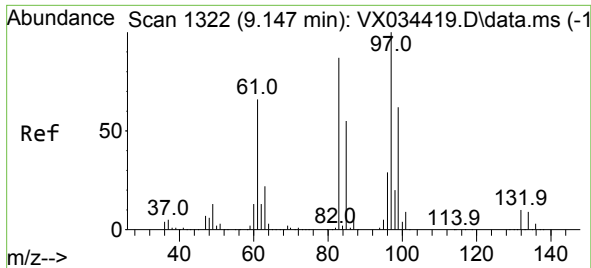
Tgt Ion: 98 Resp: 497129
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.598 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

Tgt Ion: 43 Resp: 2696
Ion Ratio Lower Upper
43 100
58 159.4 30.6 46.0#

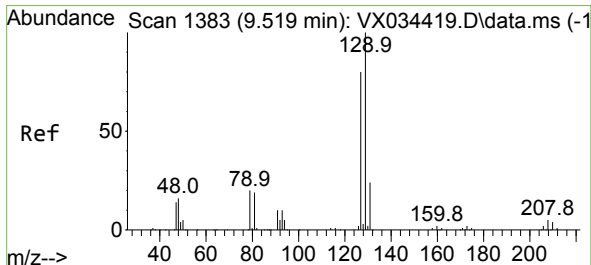
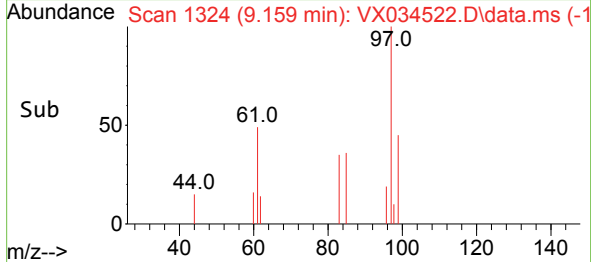
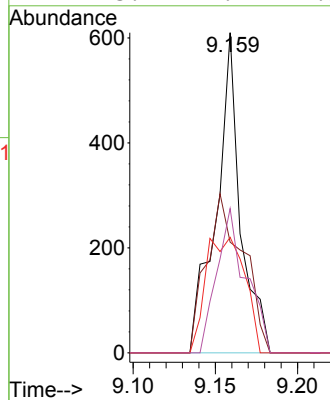
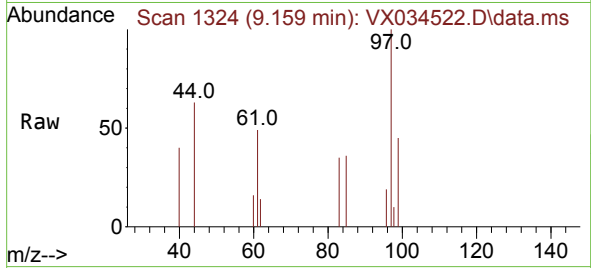




#55
1,1,2-Trichloroethane
Concen: 0.207 ug/l
RT: 9.159 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

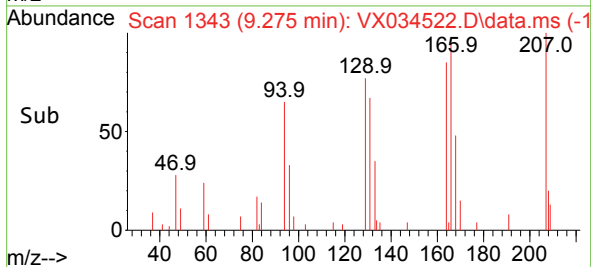
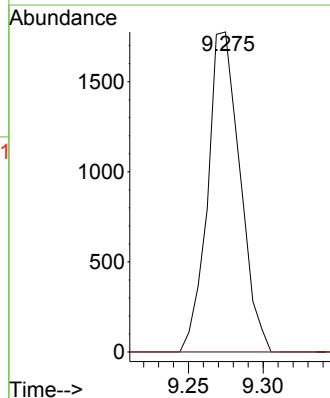
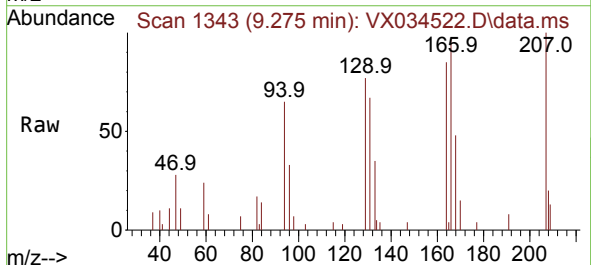
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20230310

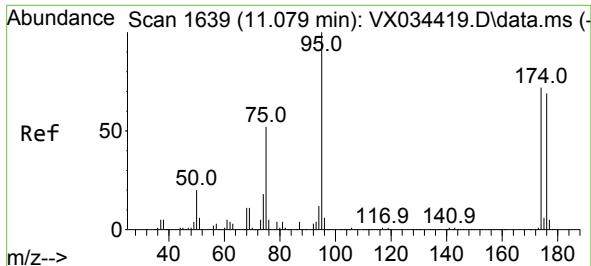
Tgt Ion: 97	Resp: 624
Ion Ratio	Lower Upper
97 100	
83 34.6	69.7 104.5#
85 36.1	43.7 65.5#
99 45.1	49.7 74.5#



#60
Dibromochloromethane
Concen: 0.845 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

Tgt Ion:129	Resp: 2676		
Ion Ratio	Lower	Upper	
129 100			
127 0.0	39.0	117.0#	

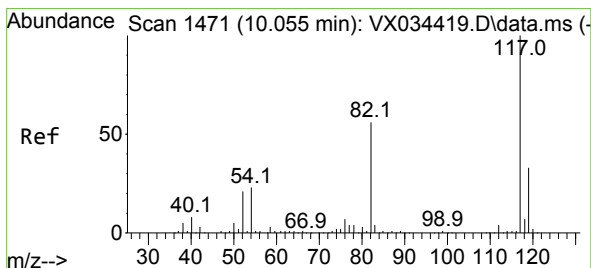
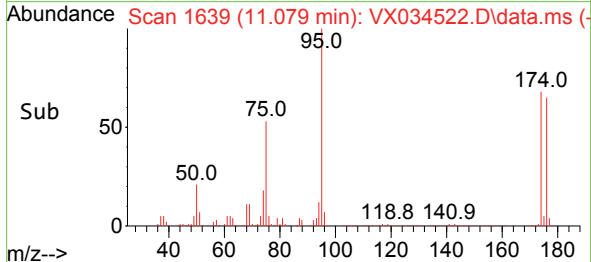
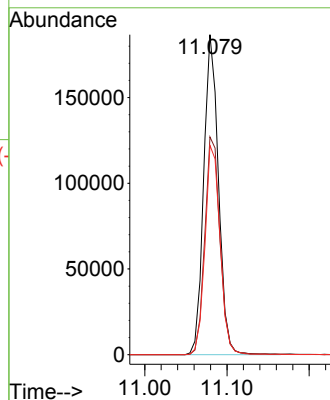
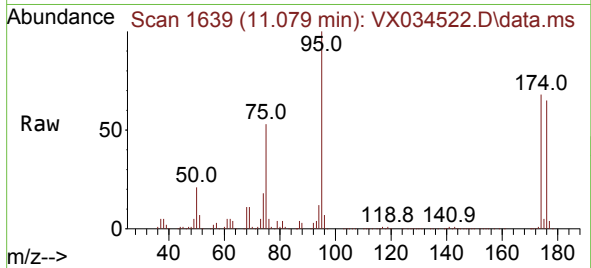




#62
4-Bromofluorobenzene
Concen: 56.348 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

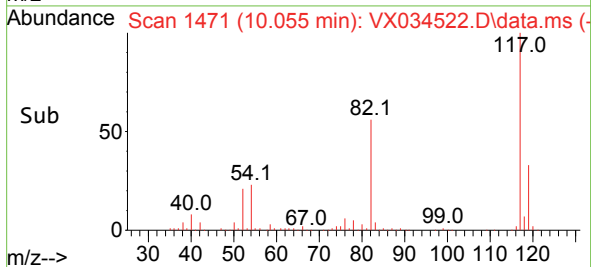
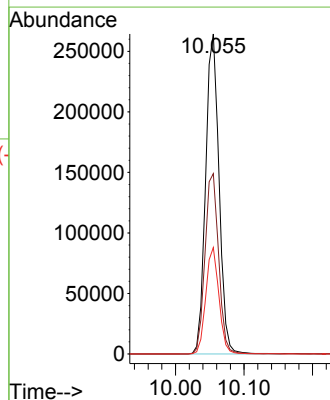
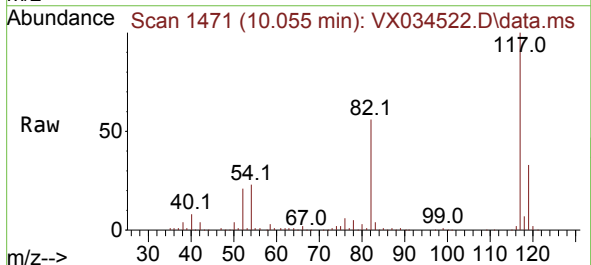
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20230310

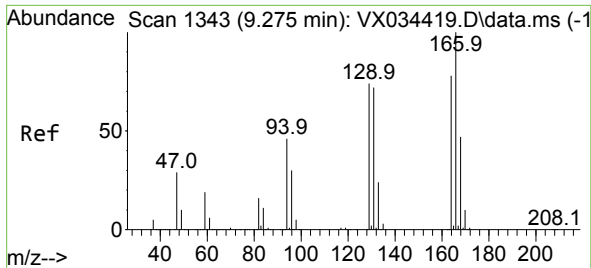
Tgt Ion: 95 Resp: 232477
Ion Ratio Lower Upper
95 100
174 70.2 0.0 147.4
176 67.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

Tgt Ion: 117 Resp: 360991
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.4
119 33.3 26.0 39.0



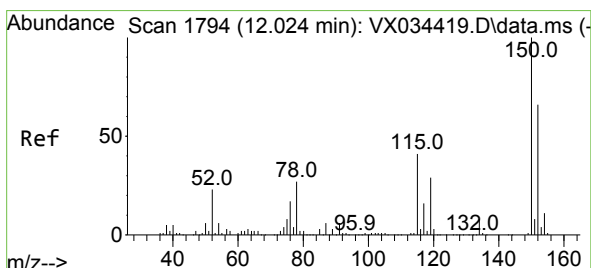
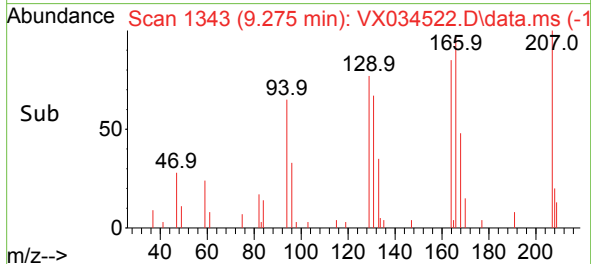
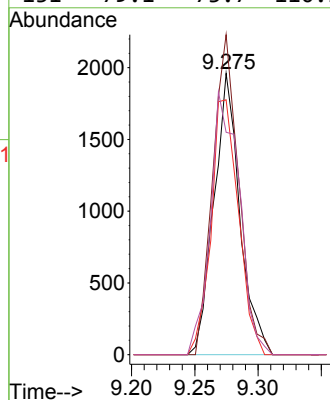
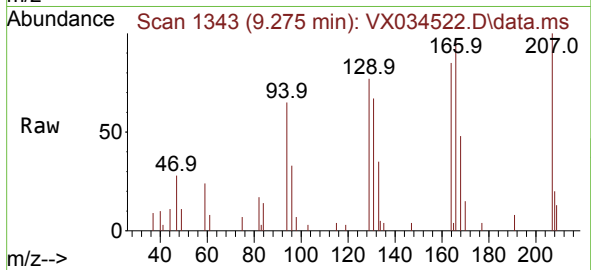


#64
Tetrachloroethene
Concen: 1.153 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20230310

Tgt Ion:164 Resp: 2796

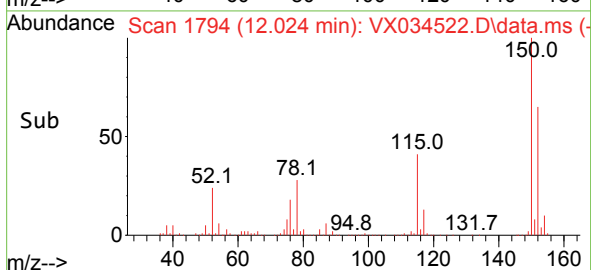
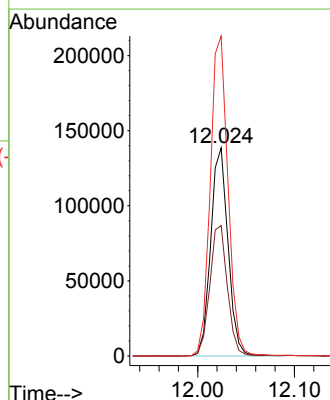
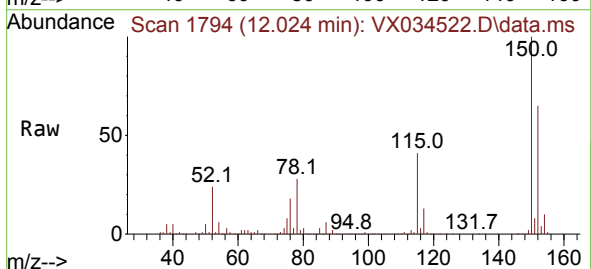
Ion	Ratio	Lower	Upper
164	100		
166	113.8	102.7	154.1
129	90.6	75.6	113.4
131	79.1	73.7	110.5

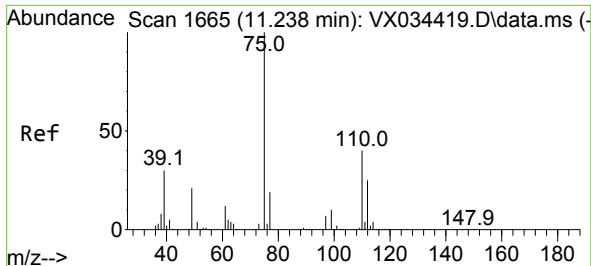


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

Tgt Ion:152 Resp: 172612

Ion	Ratio	Lower	Upper
152	100		
115	64.1	45.0	135.0
150	156.9	0.0	352.4

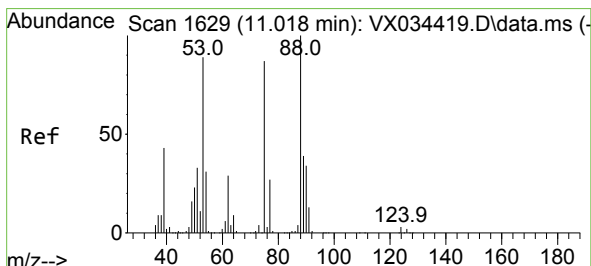
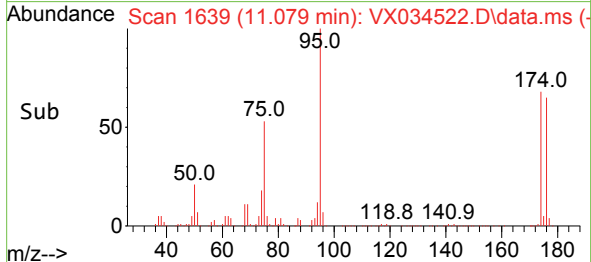
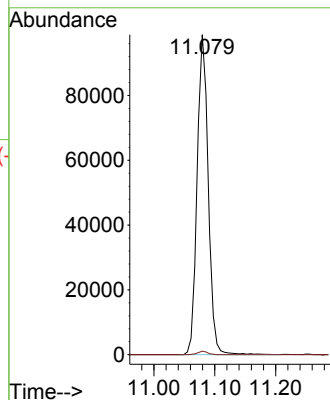
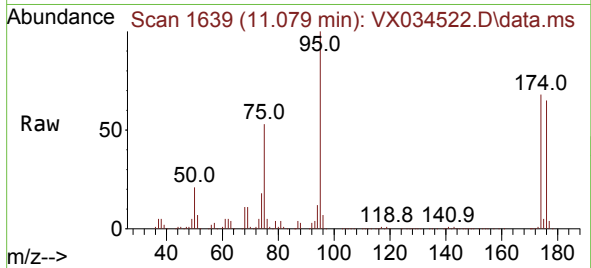




#76
1,2,3-Trichloropropane
Concen: 31.548 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20230310

Tgt Ion: 75 Resp: 125036
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.347 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034522.D
Acq: 15 Mar 2023 20:41

Tgt Ion: 75 Resp: 125036
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

