

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034554.D
 Acq On : 16 Mar 2023 18:33
 Operator : JC/MD
 Sample : 01904-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT17411-20230313

Quant Time: Mar 17 06:29:54 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)

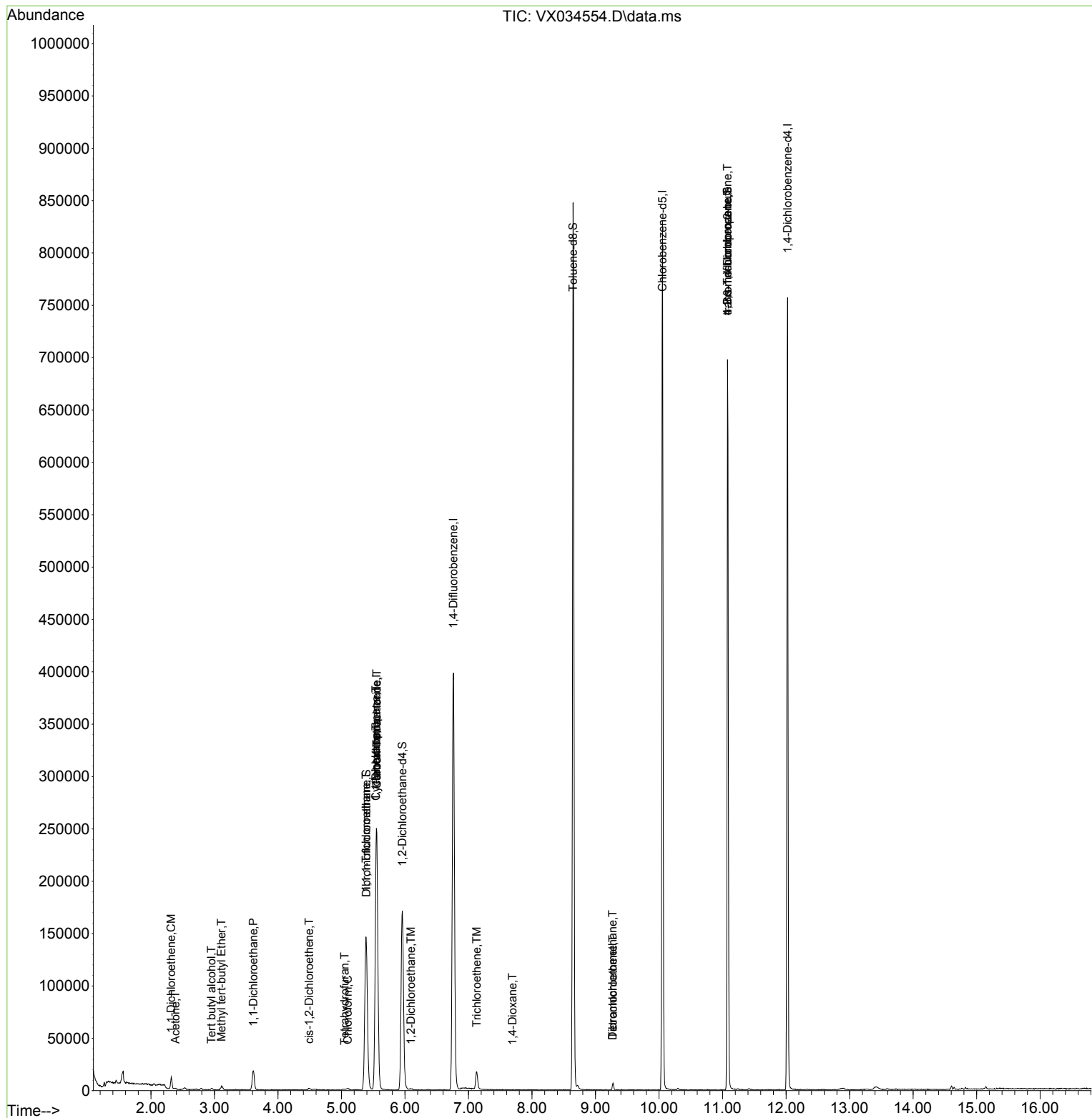
Internal Standards						
1) Pentafluorobenzene	5.550	168	236405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	402539	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	350342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	148861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	162776	47.329	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.660%		
35) Dibromofluoromethane	5.391	113	126504	47.598	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.200%		
50) Toluene-d8	8.647	98	480959	48.476	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.960%		
62) 4-Bromofluorobenzene	11.079	95	182851	45.627	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.260%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	592	Below Cal	#	75
11) Tert butyl alcohol	2.953	59	1411	1.970	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	3411	1.318	ug/l #	74
16) Acetone	2.386	43	1298	0.801	ug/l #	86
19) Methyl tert-butyl Ether	3.111	73	3343	0.361	ug/l #	86
24) 1,1-Dichloroethane	3.611	63	21509	4.000	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	813	0.246	ug/l	97
29) Tetrahydrofuran	5.050	42	923	0.645	ug/l #	38
30) Chloroform	5.099	83	1727	0.328	ug/l	97
31) Cyclohexane	5.544	56	5676	1.177	ug/l #	7
32) 1,1,1-Trichloroethane	5.385	97	2266	0.486	ug/l #	47
36) 1,1-Dichloropropene	5.544	75	19847	4.862	ug/l #	46
38) Carbon Tetrachloride	5.556	117	24901	6.132	ug/l #	15
42) 1,2-Dichloroethane	6.092	62	1165	0.265	ug/l #	75
44) Trichloroethene	7.129	130	6351	2.047	ug/l	91
49) 1,4-Dioxane	7.690	88	87	1.140	ug/l #	1
60) Dibromochloromethane	9.269	129	1108	0.360	ug/l #	10
64) Tetrachloroethene	9.275	164	1232	0.524	ug/l #	79
76) 1,2,3-Trichloropropane	11.079	75	99072	28.985	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	99072	78.414	ug/l #	8

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

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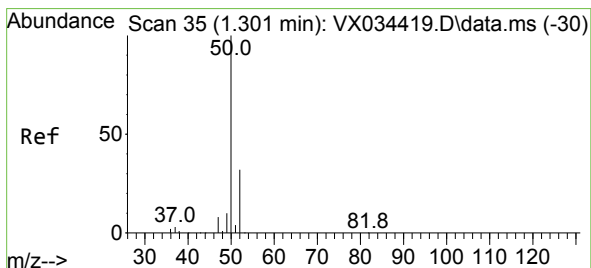
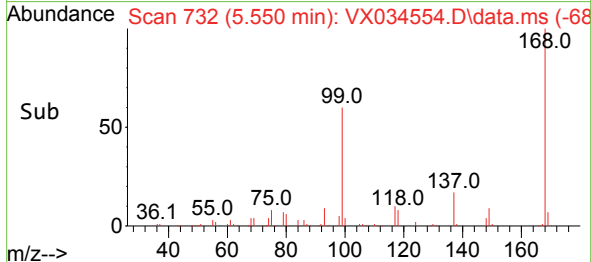
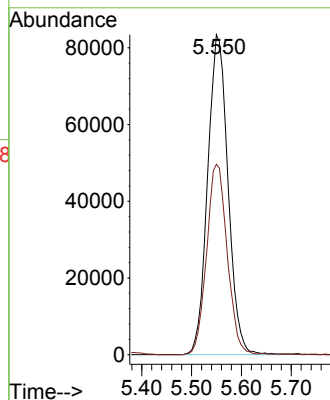
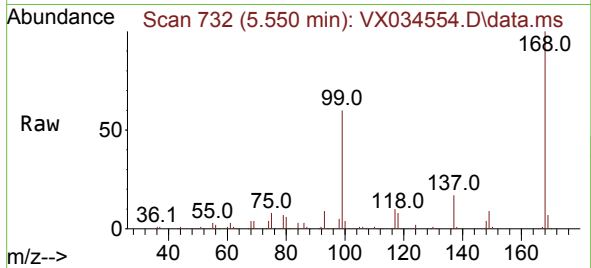




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

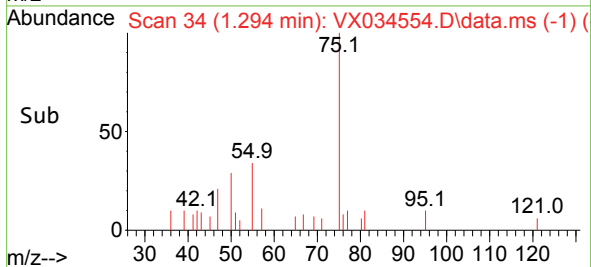
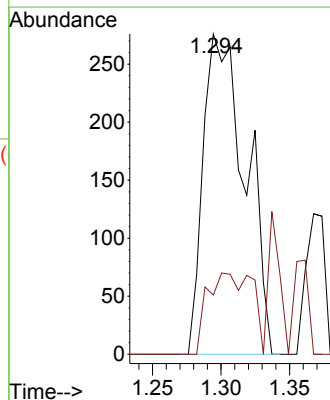
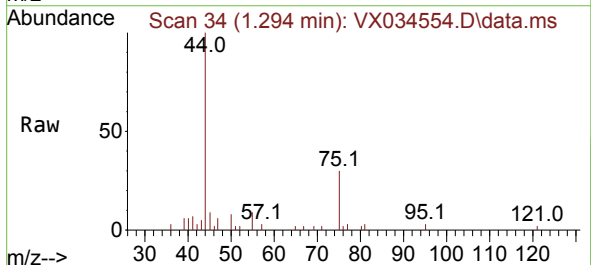
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230313

Tgt Ion:168 Resp: 236405
Ion Ratio Lower Upper
168 100
99 59.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Tgt Ion: 50 Resp: 592
Ion Ratio Lower Upper
50 100
52 18.5 25.9 38.9#

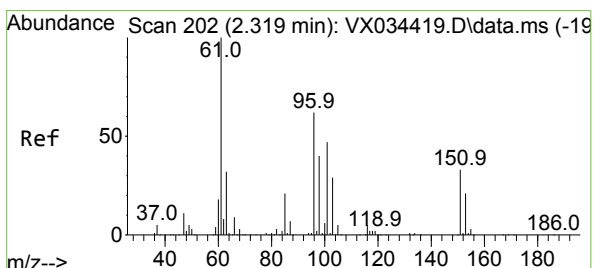
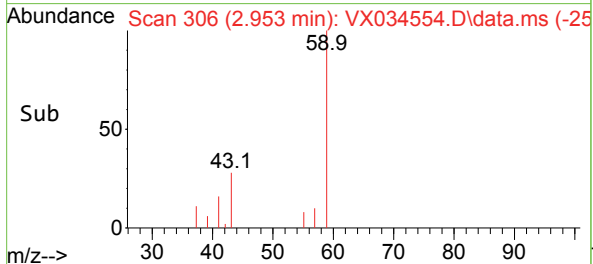
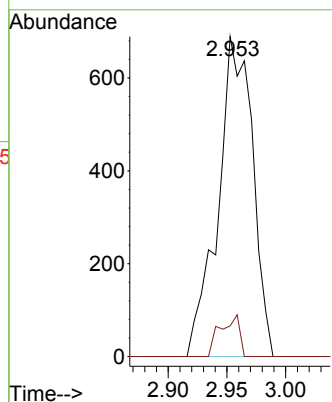
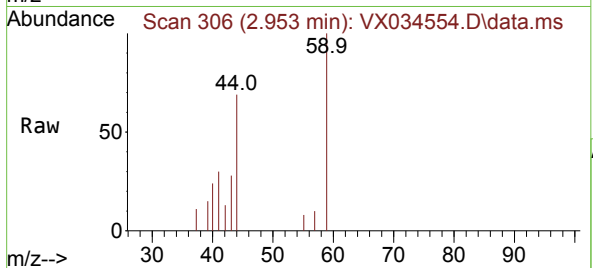




#11
Tert butyl alcohol
Concen: 1.970 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.000 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

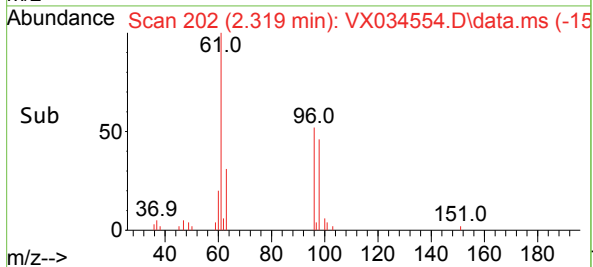
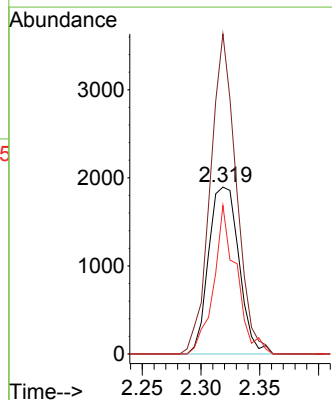
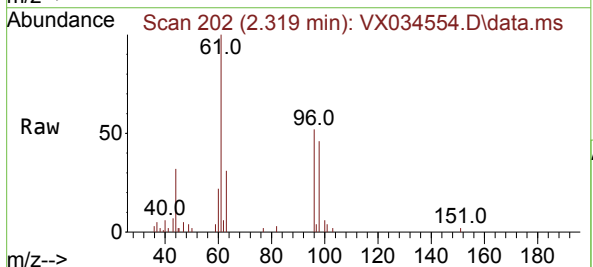
Instrument :
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ClientSampleId :
TT17411-20230313

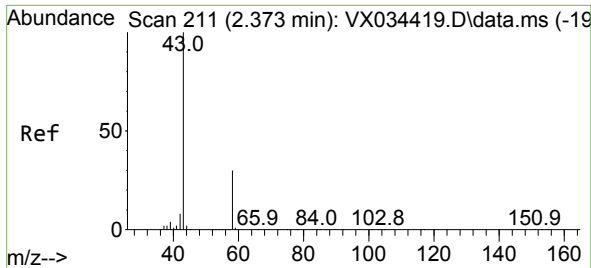
Tgt Ion: 59 Resp: 1411
Ion Ratio Lower Upper
59 100
57 7.2 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 1.318 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Tgt Ion: 96 Resp: 3411
Ion Ratio Lower Upper
96 100
61 191.7 128.8 193.2
98 88.9 51.4 77.0#

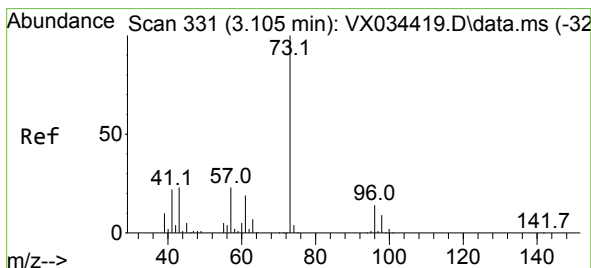
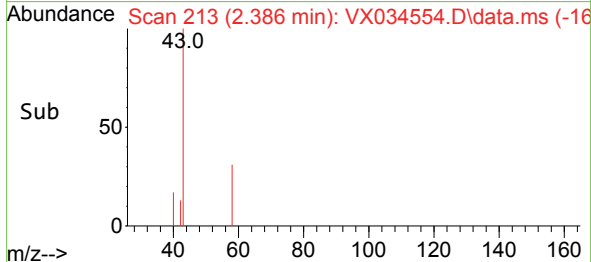
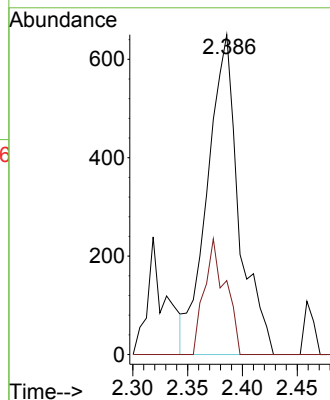
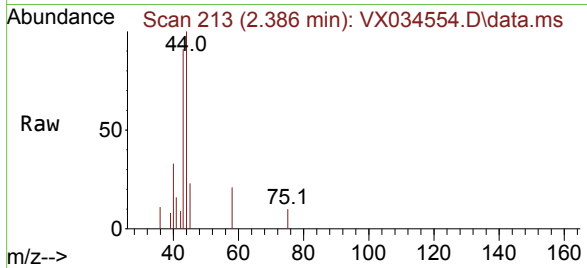




#16
Acetone
Concen: 0.801 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

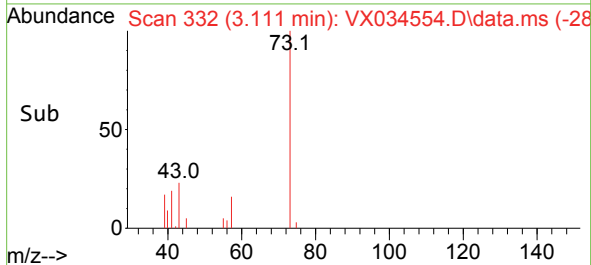
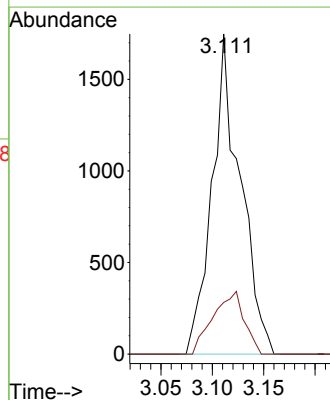
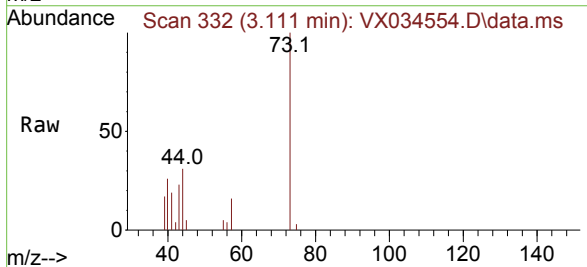
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230313

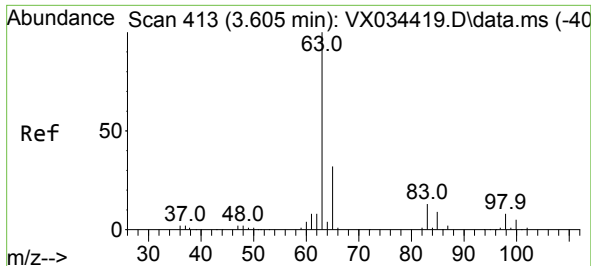
Tgt Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
58 23.1 24.7 37.1#



#19
Methyl tert-butyl Ether
Concen: 0.361 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Tgt Ion: 73 Resp: 3343
Ion Ratio Lower Upper
73 100
57 16.1 18.5 27.7#

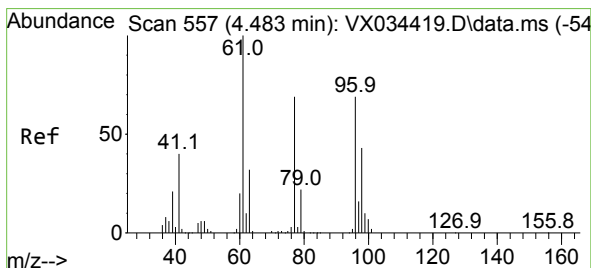
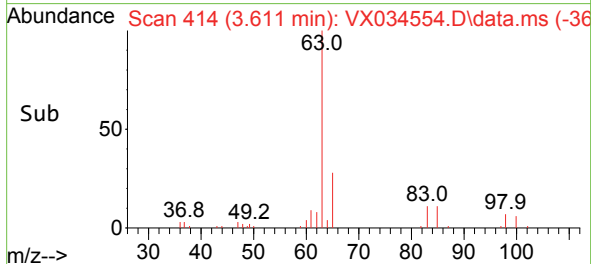
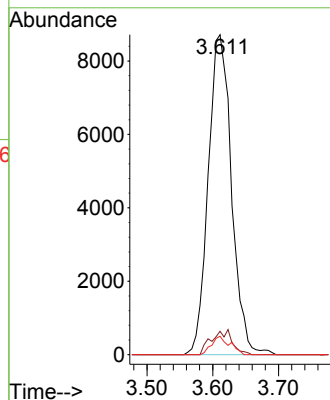
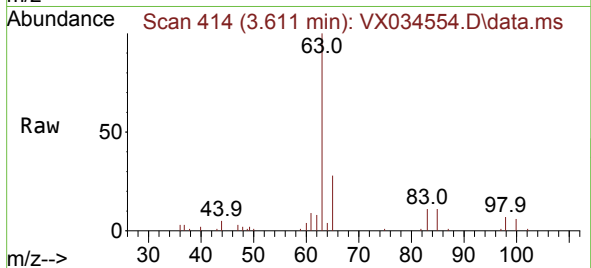




#24
1,1-Dichloroethane
Concen: 4.000 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

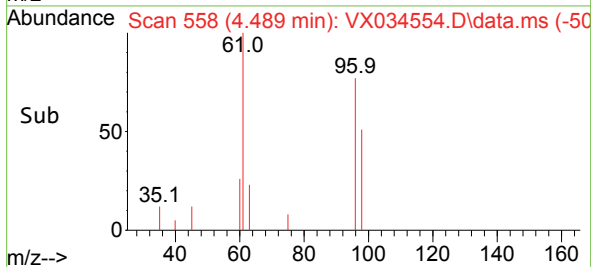
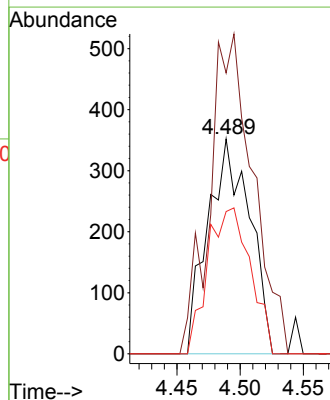
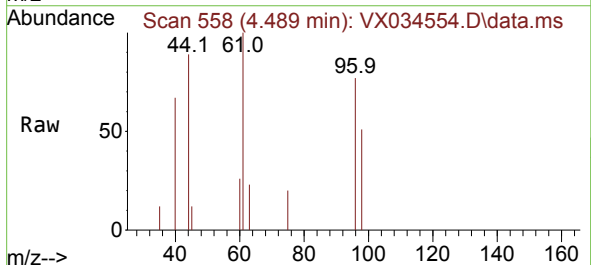
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230313

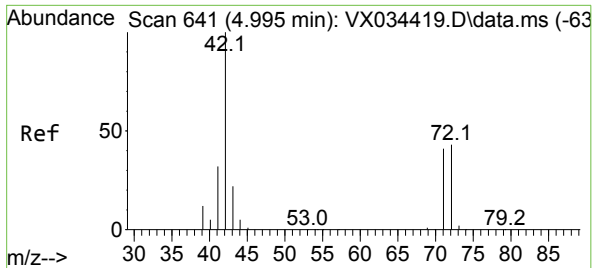
Tgt Ion: 63 Resp: 21509
Ion Ratio Lower Upper
63 100
98 7.3 3.8 11.2
100 5.7 2.4 7.1



#27
cis-1,2-Dichloroethene
Concen: 0.246 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Tgt Ion: 96 Resp: 813
Ion Ratio Lower Upper
96 100
61 153.3 0.0 300.4
98 68.9 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.645 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.055 min

Lab File: VX034554.D

Acq: 16 Mar 2023 18:33

Instrument :

MSVOA_X

ClientSampleId :

TT17411-20230313

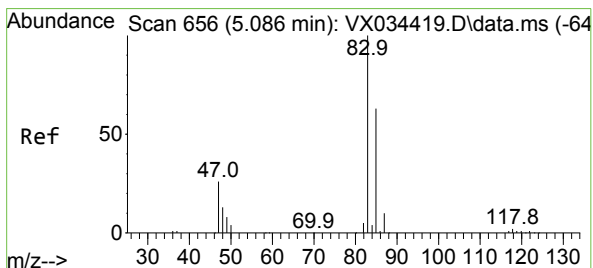
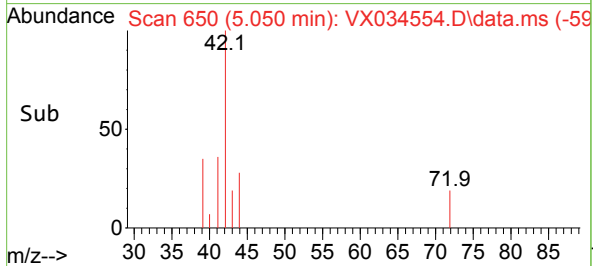
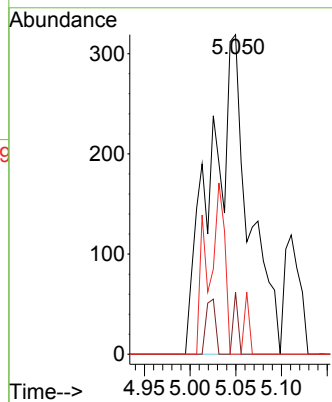
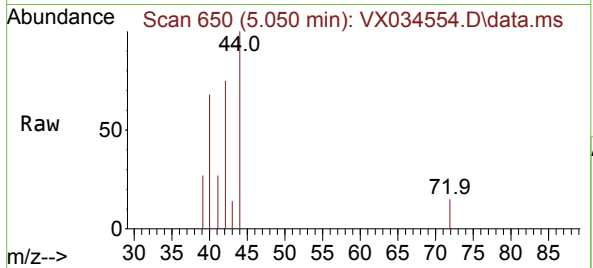
Tgt Ion: 42 Resp: 923

Ion Ratio Lower Upper

42 100

72 2.5 34.5 51.7#

71 2.5 32.1 48.1#



#30

Chloroform

Concen: 0.328 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.012 min

Lab File: VX034554.D

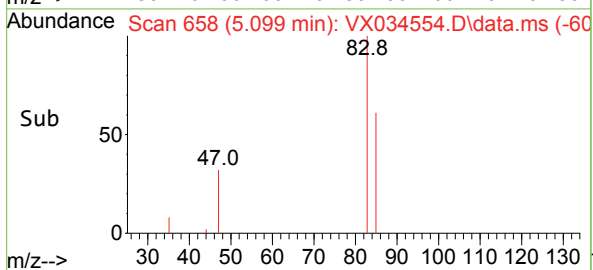
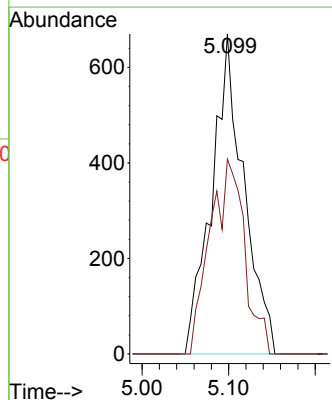
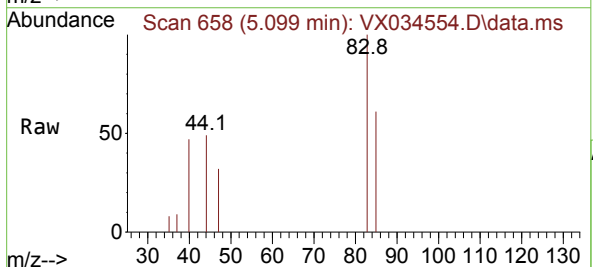
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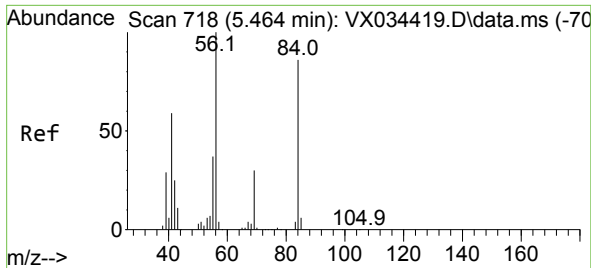
Tgt Ion: 83 Resp: 1727

Ion Ratio Lower Upper

83 100

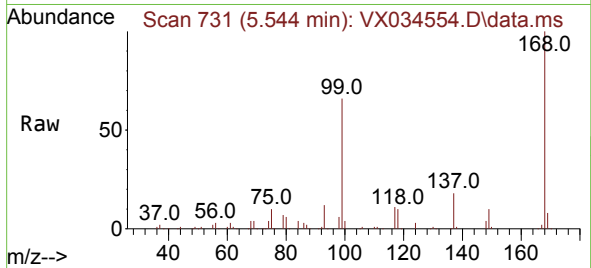
85 60.9 50.6 76.0



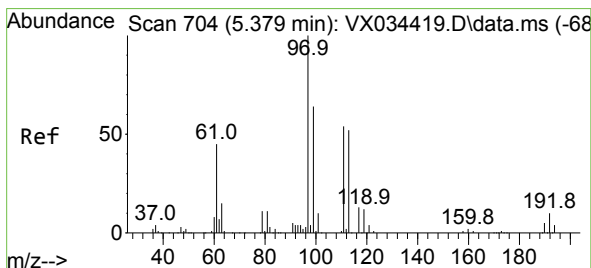
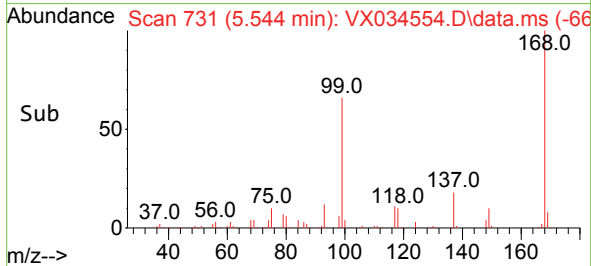
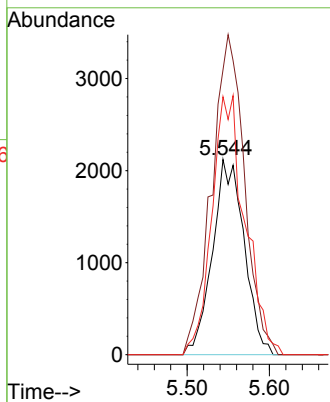


#31
Cyclohexane
Concen: 1.177 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Instrument :
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ClientSampleId :
TT17411-20230313

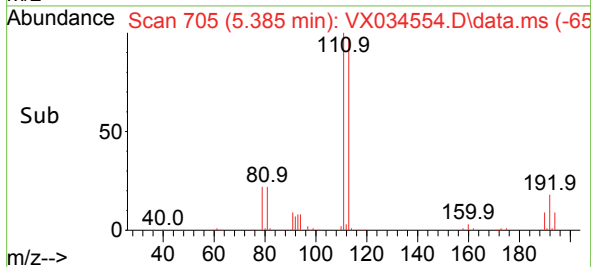
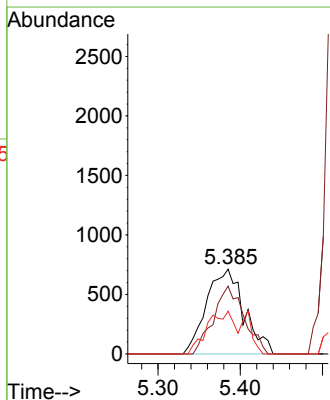
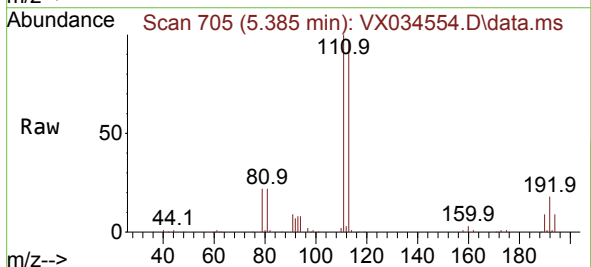


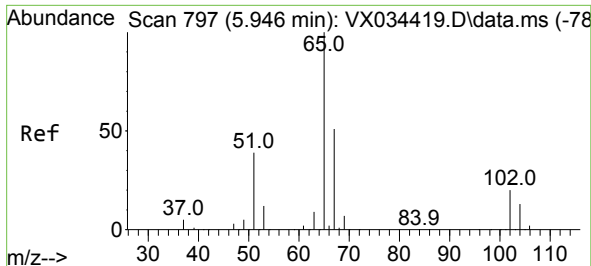
Tgt Ion: 56 Resp: 5676
Ion Ratio Lower Upper
56 100
69 145.9 23.7 35.5#
84 132.1 68.5 102.7#



#32
1,1,1-Trichloroethane
Concen: 0.486 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Tgt Ion: 97 Resp: 2266
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 37.0 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 47.329 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034554.D

Acq: 16 Mar 2023 18:33

Instrument :

MSVOA_X

ClientSampleId :

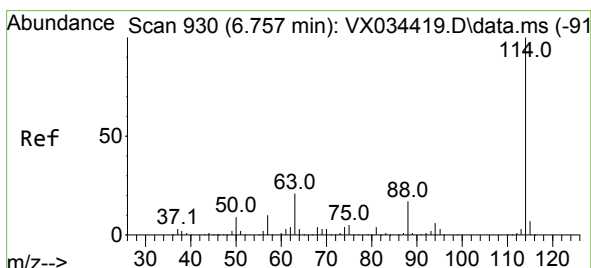
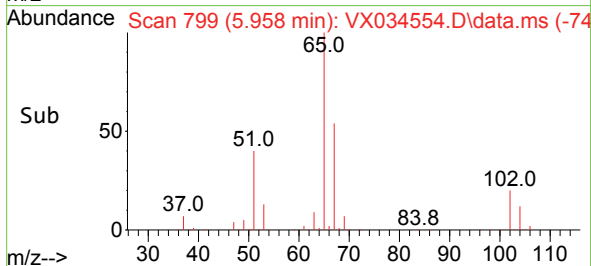
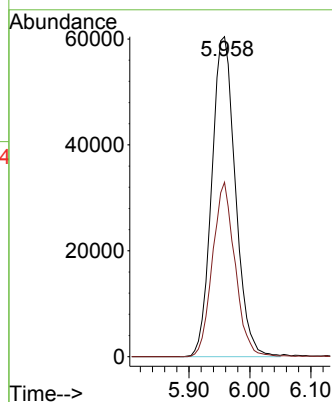
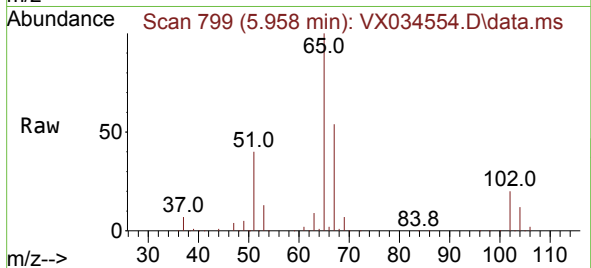
TT17411-20230313

Tgt Ion: 65 Resp: 162776

Ion Ratio Lower Upper

65 100

67 52.0 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: VX034554.D

Acq: 16 Mar 2023 18:33

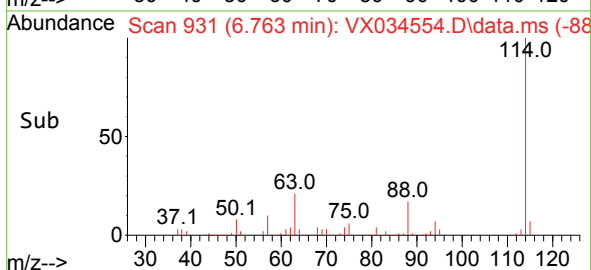
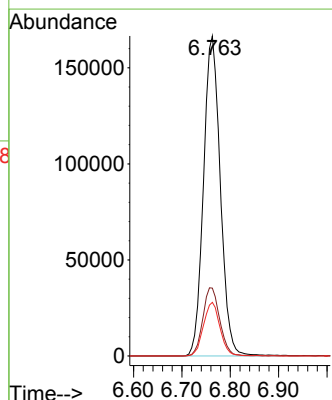
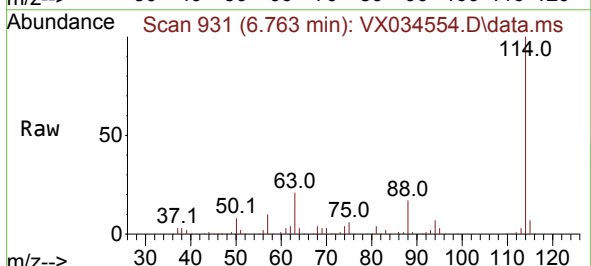
Tgt Ion: 114 Resp: 402539

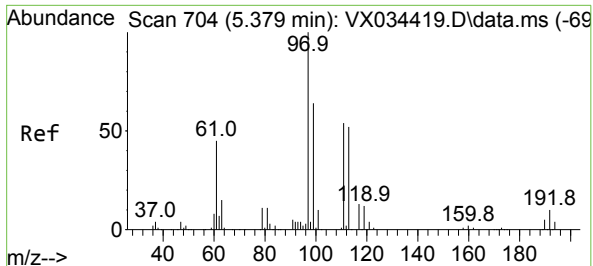
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.2

88 16.8 0.0 33.2

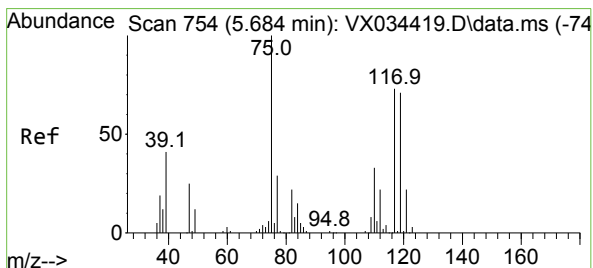
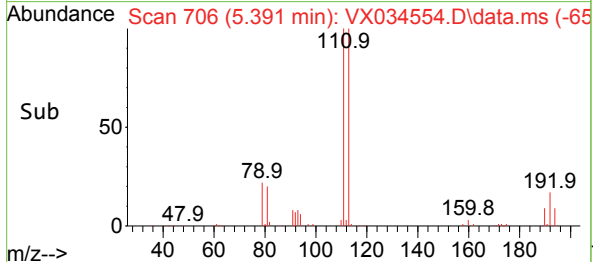
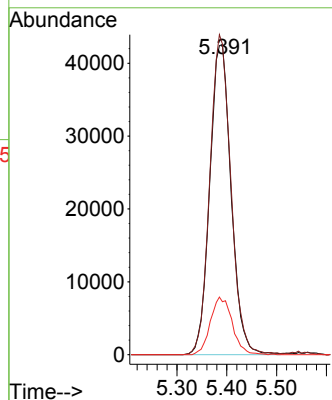
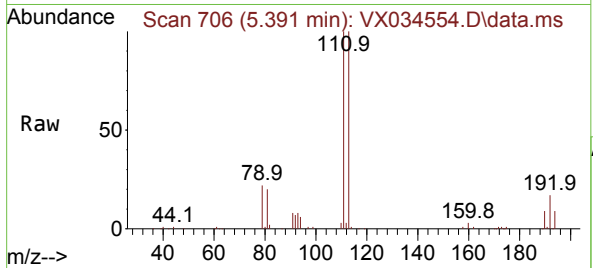




#35
Dibromofluoromethane
Concen: 47.598 ug/l
RT: 5.391 min Scan# 704
Delta R.T. 0.012 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

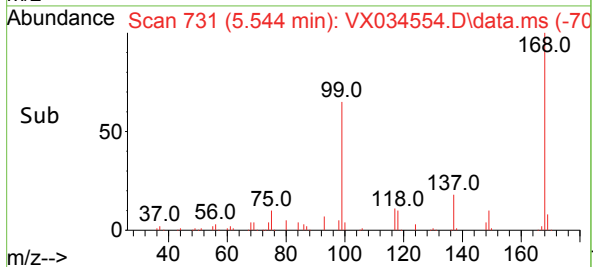
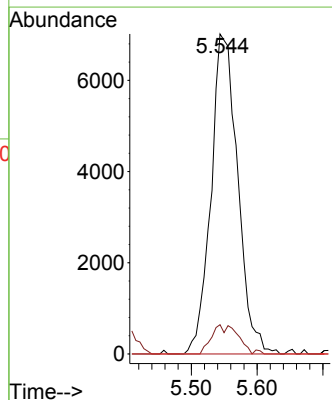
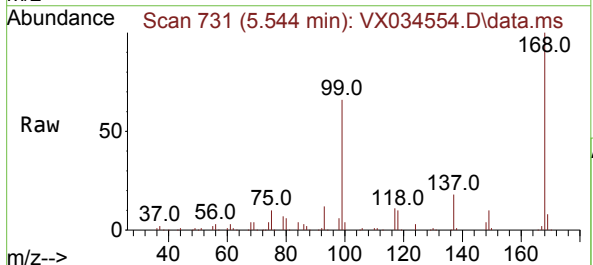
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230313

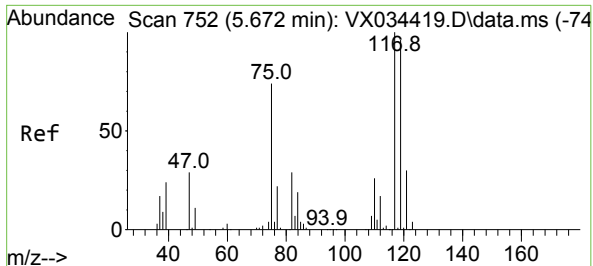
Tgt Ion:113 Resp: 126504
Ion Ratio Lower Upper
113 100
111 101.7 83.7 125.5
192 19.0 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.862 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

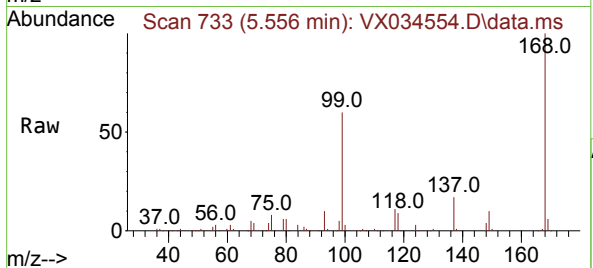
Tgt Ion: 75 Resp: 19847
Ion Ratio Lower Upper
75 100
110 4.5 17.5 52.5#
77 0.0 24.3 36.5#



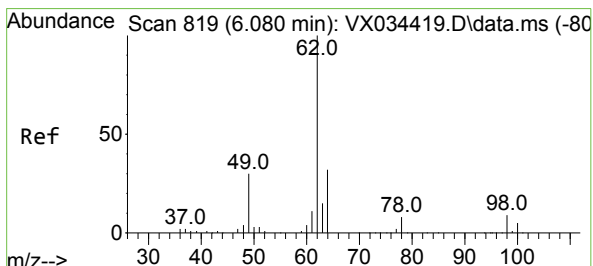
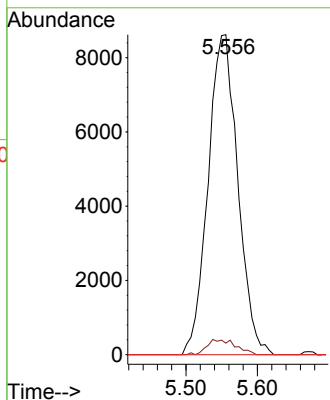
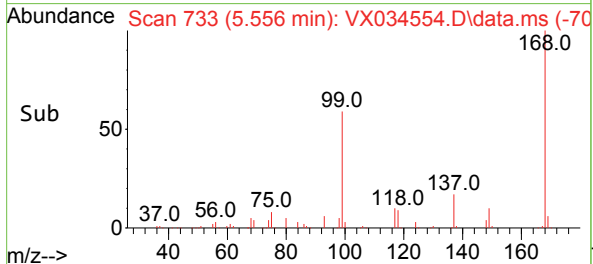


#38
Carbon Tetrachloride
Concen: 6.132 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230313

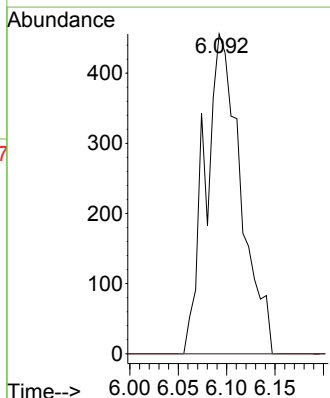
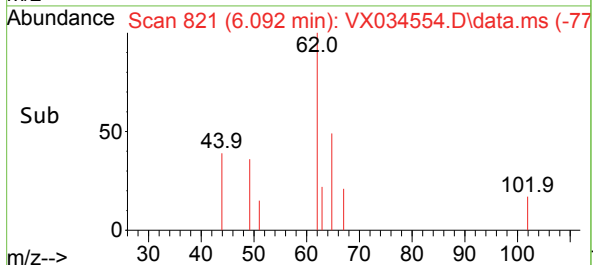
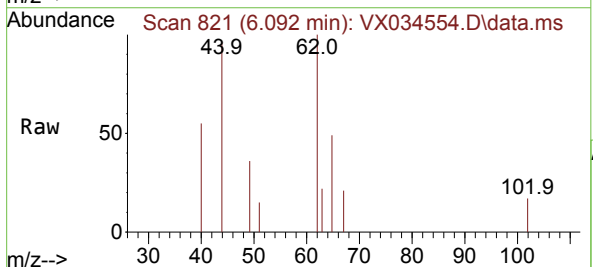


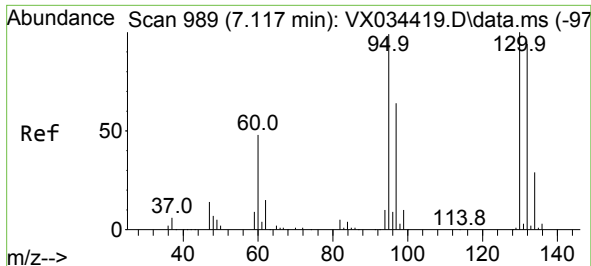
Tgt Ion:117 Resp: 24901
Ion Ratio Lower Upper
117 100
119 3.6 76.6 114.8#
121 0.0 23.8 35.6#



#42
1,2-Dichloroethane
Concen: 0.265 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Tgt Ion: 62 Resp: 1165
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0

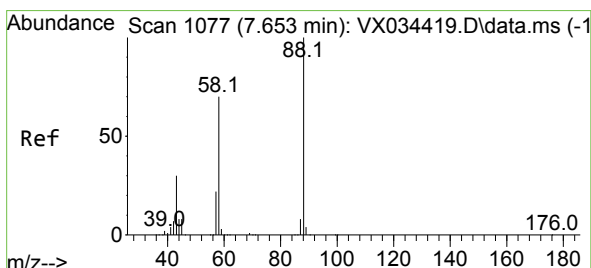
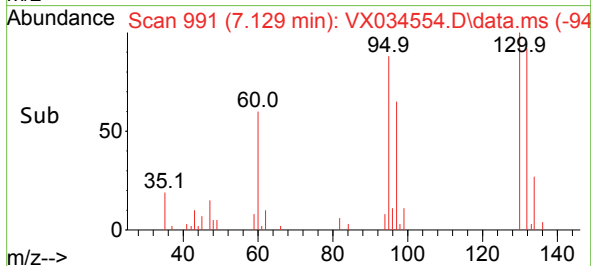
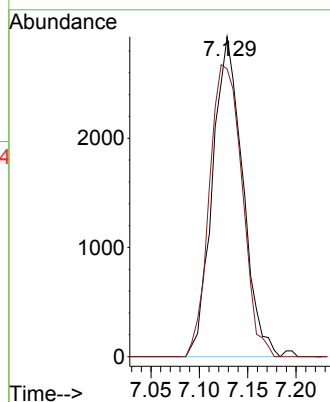
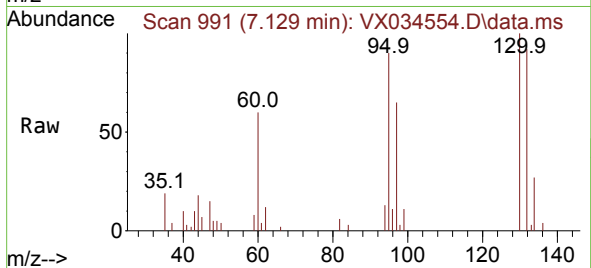




#44
Trichloroethene
Concen: 2.047 ug/l
RT: 7.129 min Scan# 94
Delta R.T. 0.012 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

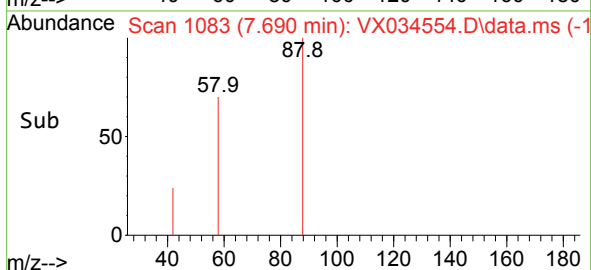
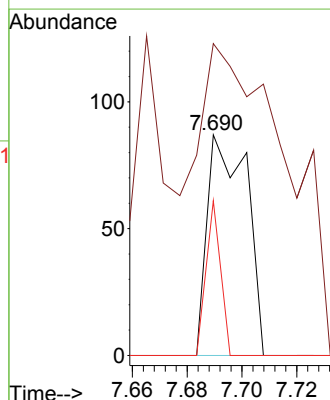
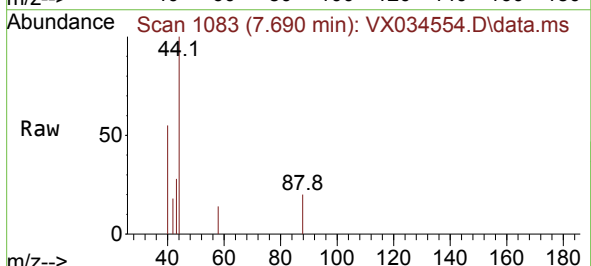
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230313

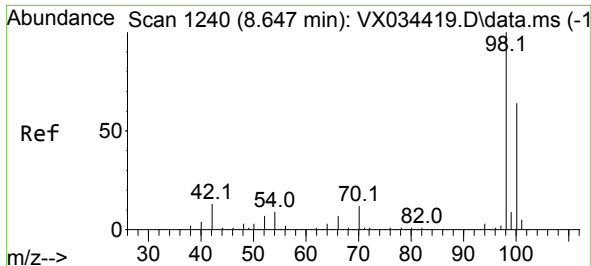
Tgt Ion:130 Resp: 6351
Ion Ratio Lower Upper
130 100
95 89.9 0.0 198.4



#49
1,4-Dioxane
Concen: 1.140 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.037 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 316.1 27.7 41.5#
58 25.3 56.8 85.2#

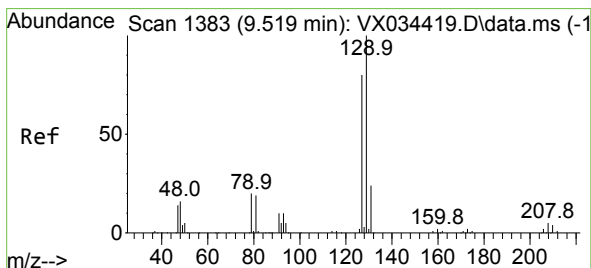
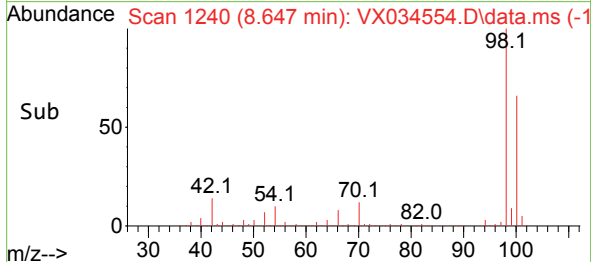
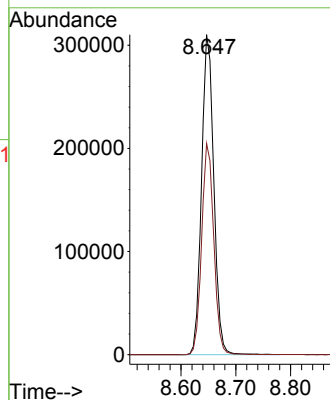
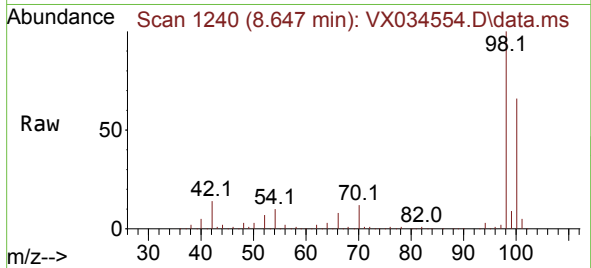




#50
Toluene-d8
Concen: 48.476 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

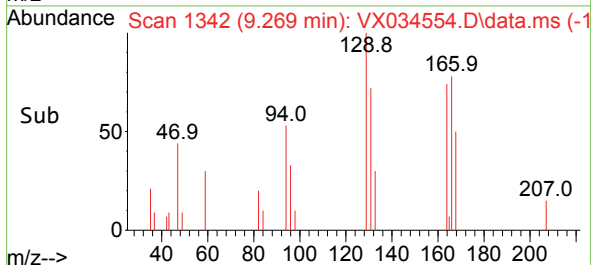
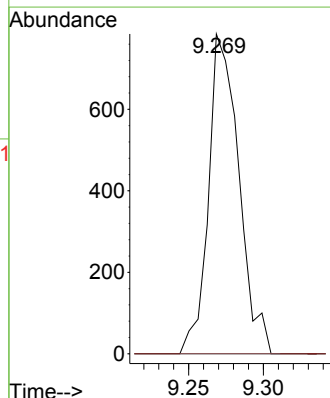
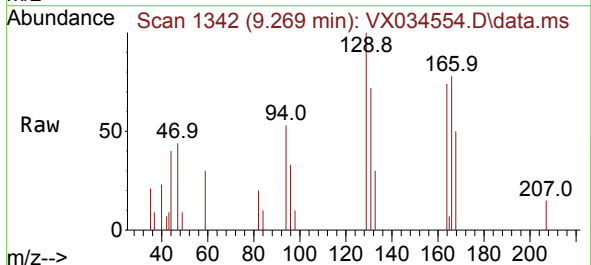
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230313

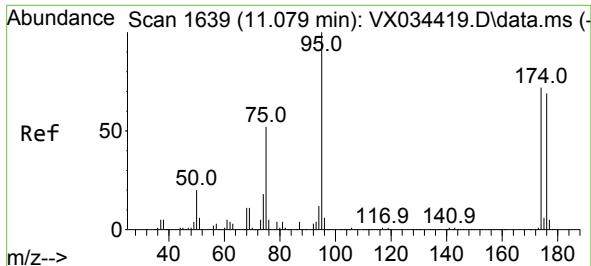
Tgt Ion: 98 Resp: 480959
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#60
Dibromochloromethane
Concen: 0.360 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Tgt Ion: 129 Resp: 1108
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

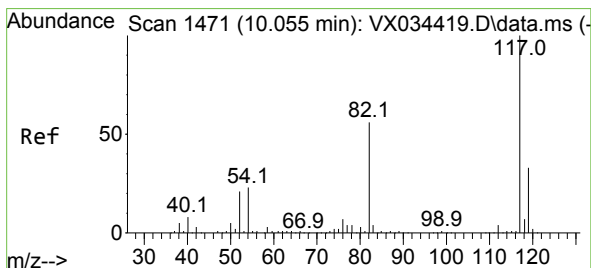
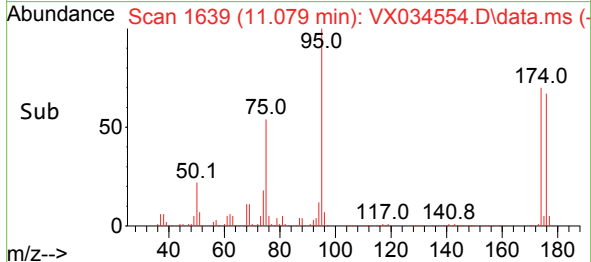
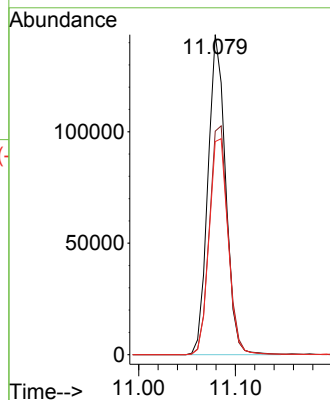
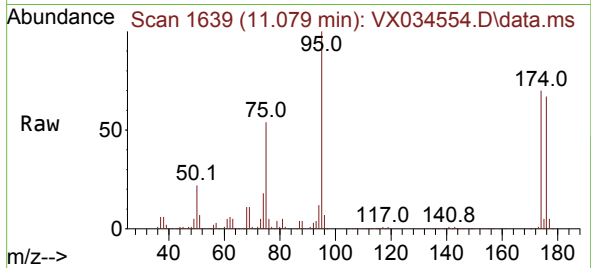




#62
4-Bromofluorobenzene
Concen: 45.627 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

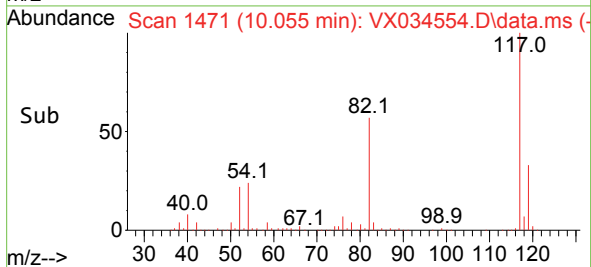
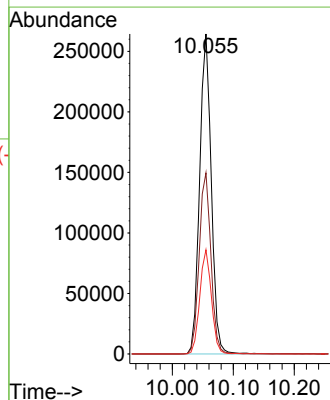
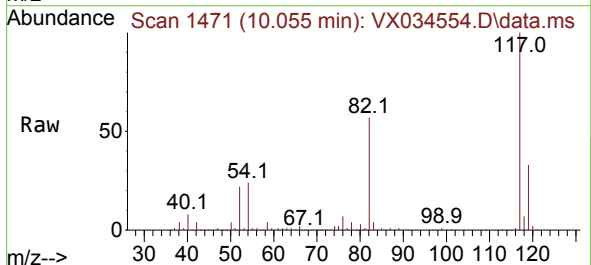
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230313

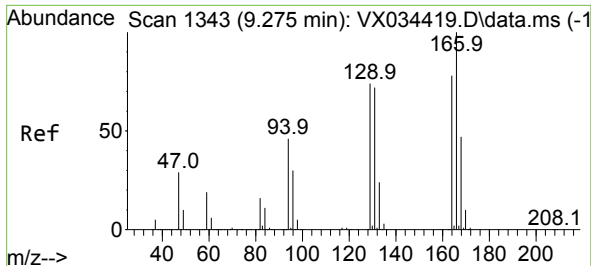
Tgt Ion: 95 Resp: 182851
Ion Ratio Lower Upper
95 100
174 75.8 0.0 147.4
176 72.3 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

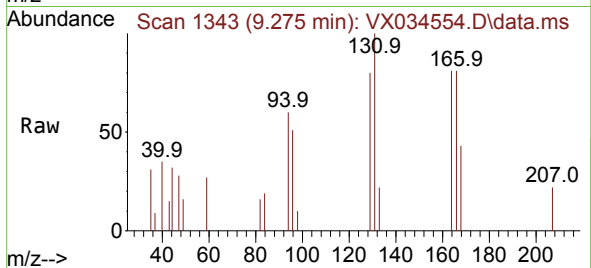
Tgt Ion: 117 Resp: 350342
Ion Ratio Lower Upper
117 100
82 56.6 45.0 67.4
119 32.6 26.0 39.0



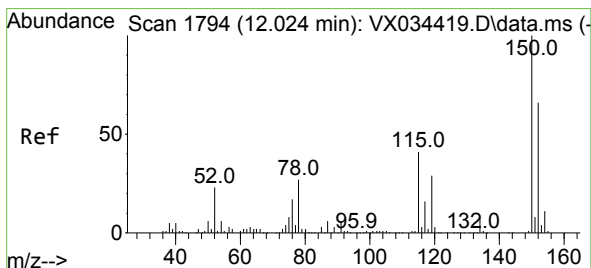
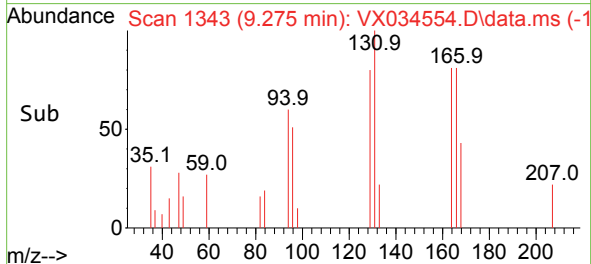
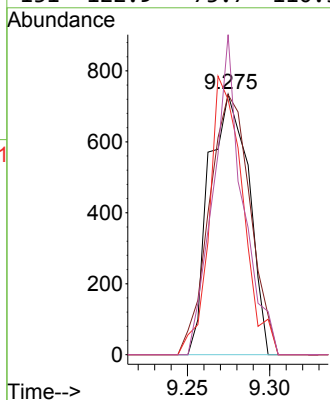


#64
Tetrachloroethene
Concen: 0.524 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230313

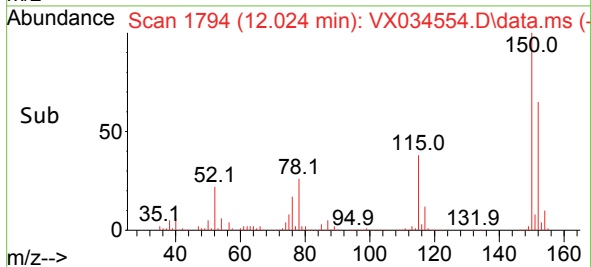
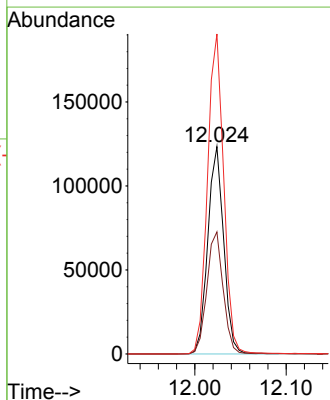
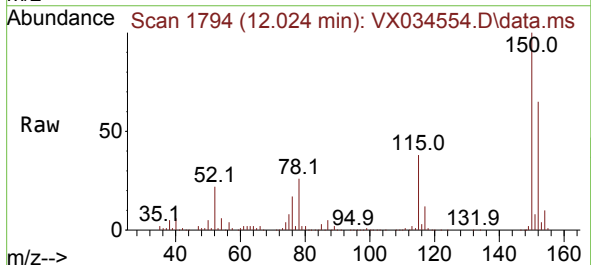


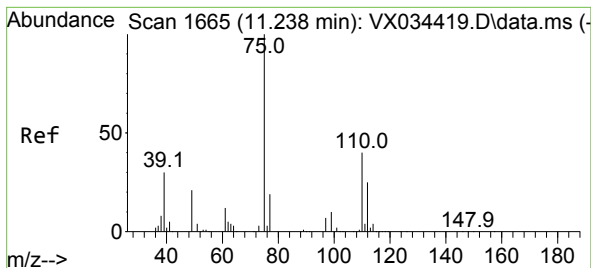
Tgt Ion:164 Resp: 1232
Ion Ratio Lower Upper
164 100
166 99.9 102.7 154.1#
129 98.0 75.6 113.4
131 122.9 73.7 110.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Tgt Ion:152 Resp: 148861
Ion Ratio Lower Upper
152 100
115 60.4 45.0 135.0
150 157.3 0.0 352.4

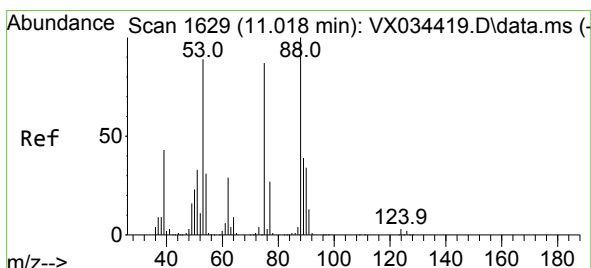
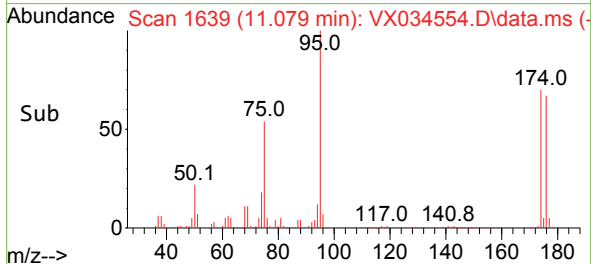
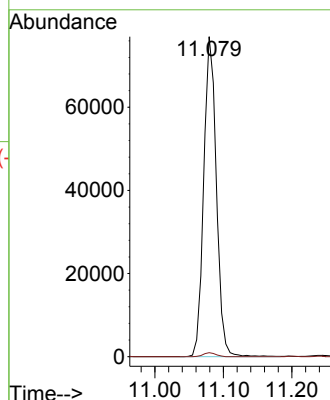
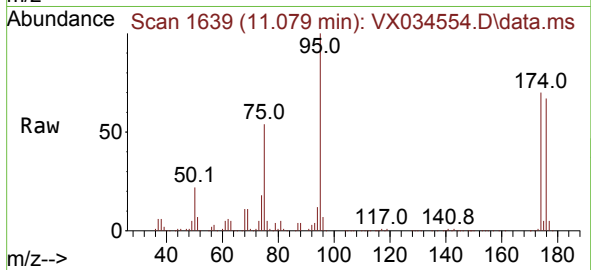




#76
1,2,3-Trichloropropane
Concen: 28.985 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230313

Tgt Ion: 75 Resp: 99072
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.414 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034554.D
Acq: 16 Mar 2023 18:33

Tgt Ion: 75 Resp: 99072
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#

