

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022824\
 Data File : VX040520.D
 Acq On : 28 Feb 2024 18:44
 Operator : JC/MD
 Sample : P1615-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D2-20240226

Quant Time: Feb 29 03:54:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

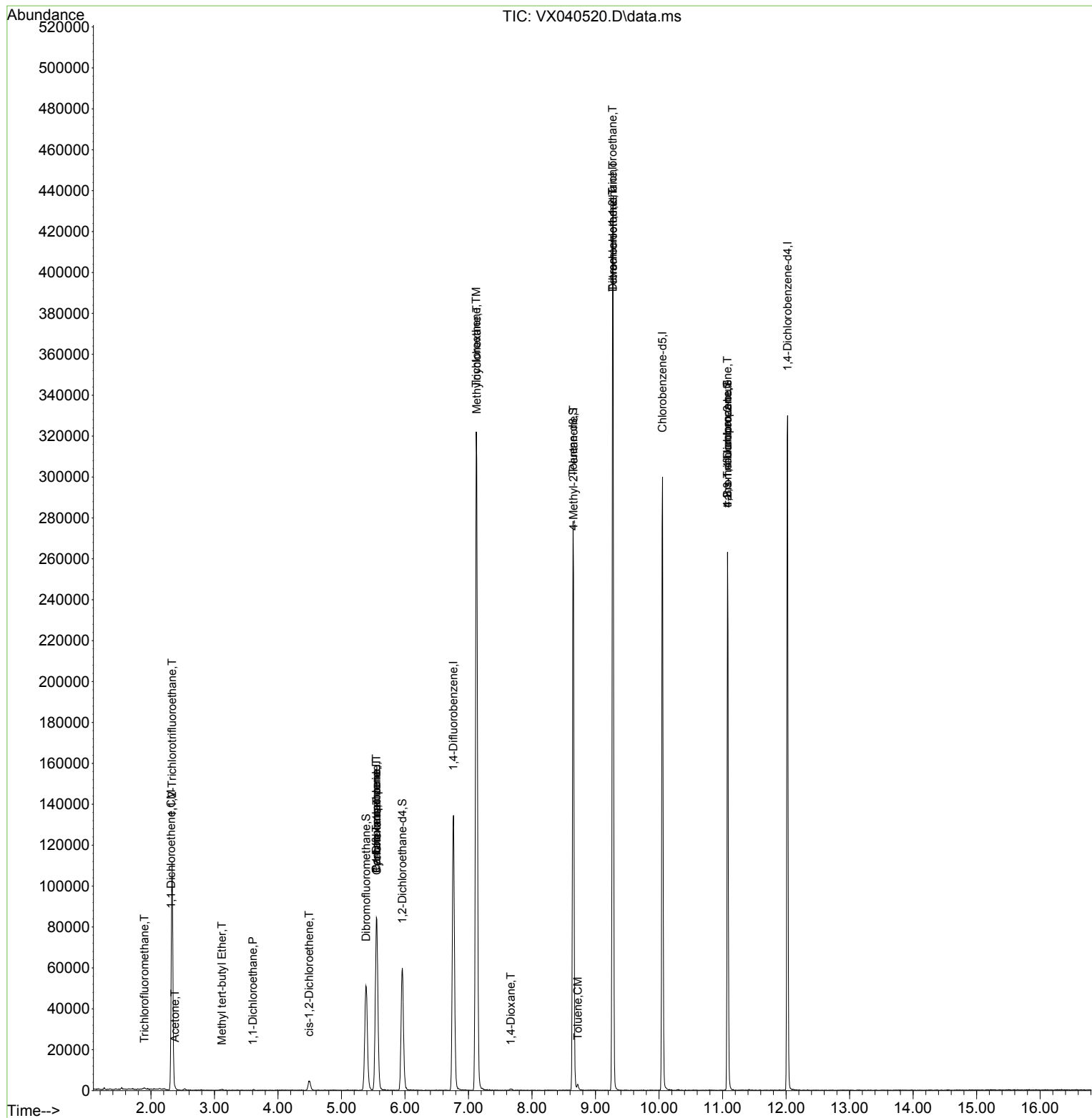
Internal Standards						
1) Pentafluorobenzene	5.550	168	74674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	130116	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60813	48.691	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.380%
35) Dibromofluoromethane	5.385	113	43998	48.626	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.260%
50) Toluene-d8	8.647	98	160329	48.816	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.640%
62) 4-Bromofluorobenzene	11.079	95	63970	51.095	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.200%
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	1.898	101	502	0.319	ug/l #	73
9) 1,1,2-Trichlorotrifluo...	2.331	101	41692	49.200	ug/l	98
12) 1,1-Dichloroethene	2.319	96	931	1.094	ug/l #	77
16) Acetone	2.380	43	606	1.488	ug/l #	82
19) Methyl tert-butyl Ether	3.117	73	592	0.204	ug/l #	54
24) 1,1-Dichloroethane	3.605	63	365	0.209	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	2831	2.667	ug/l	92
31) Cyclohexane	5.556	56	2029	1.434	ug/l #	25
36) 1,1-Dichloropropene	5.550	75	7095	5.090	ug/l #	50
38) Carbon Tetrachloride	5.550	117	8287	6.153	ug/l #	14
39) Methylcyclohexane	7.129	83	1676	1.114	ug/l #	1
44) Trichloroethene	7.123	130	112971	111.298	ug/l	96
49) 1,4-Dioxane	7.665	88	590	26.066	ug/l #	49
51) 4-Methyl-2-Pentanone	8.653	43	866	0.547	ug/l #	1
52) Toluene	8.720	92	1087	0.469	ug/l	82
55) 1,1,2-Trichloroethane	9.269	97	963	1.002	ug/l #	32
60) Dibromochloromethane	9.275	129	74115	70.985	ug/l #	11
64) Tetrachloroethene	9.275	164	72681	81.127	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	37669	26.362	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	37669	76.649	ug/l #	5

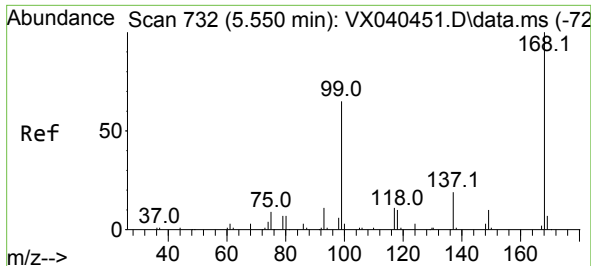
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022824\
Data File : VX040520.D
Acq On : 28 Feb 2024 18:44
Operator : JC/MD
Sample : P1615-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20240226

Quant Time: Feb 29 03:54:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 27 05:01:33 2024
Response via : Initial Calibration

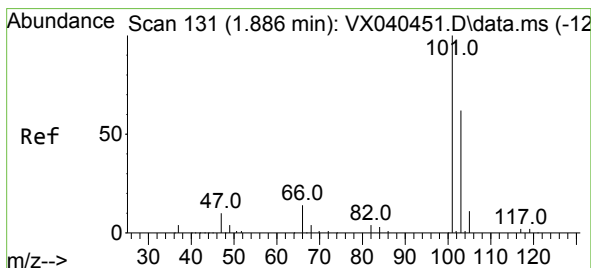
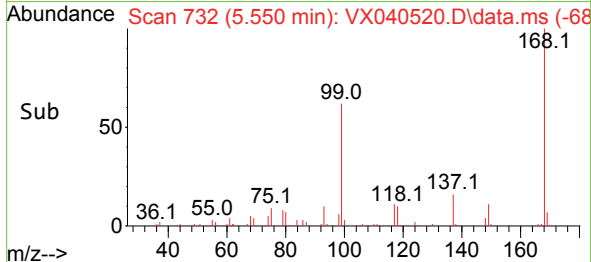
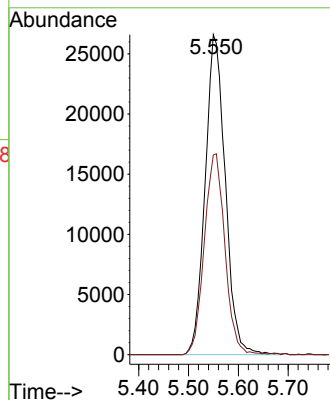
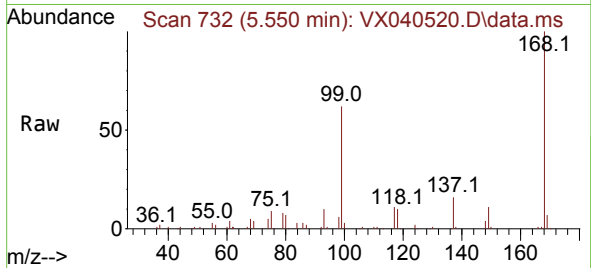




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

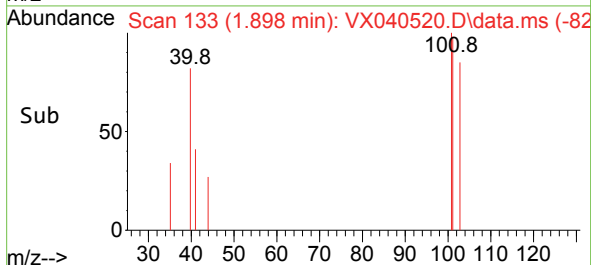
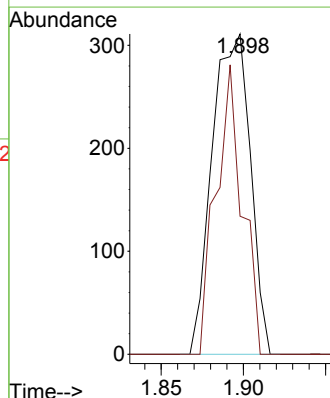
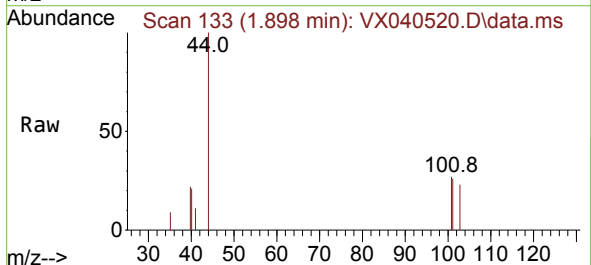
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20240226

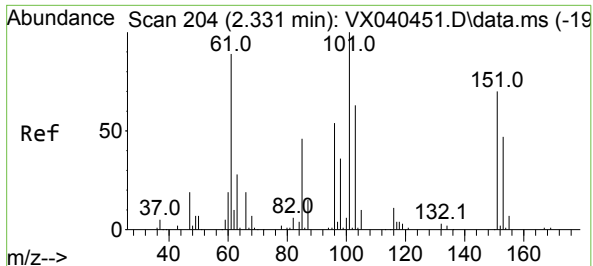
Tgt Ion:168 Resp: 74674
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#7
Trichlorofluoromethane
Concen: 0.319 ug/l
RT: 1.898 min Scan# 133
Delta R.T. 0.012 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

Tgt Ion:101 Resp: 502
Ion Ratio Lower Upper
101 100
103 43.1 51.4 77.2#

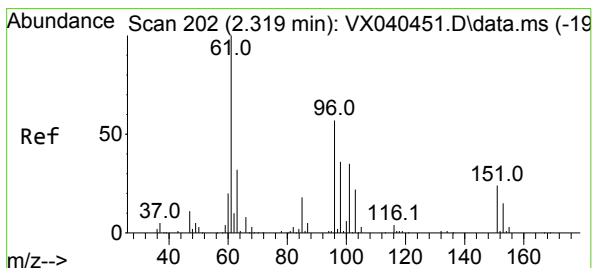
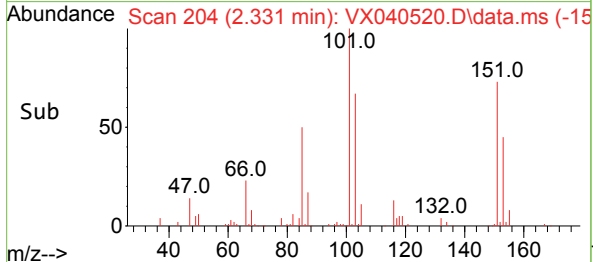
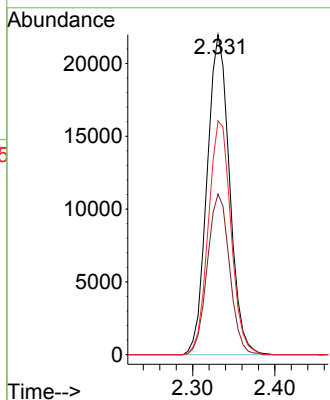
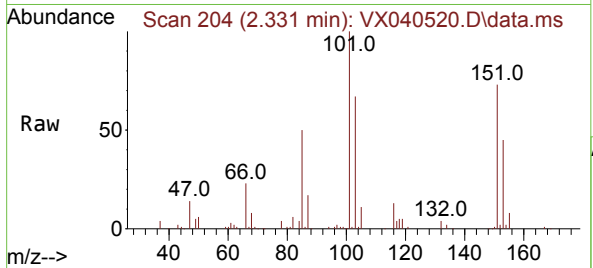




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.200 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

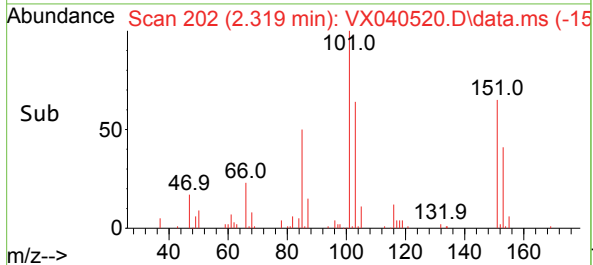
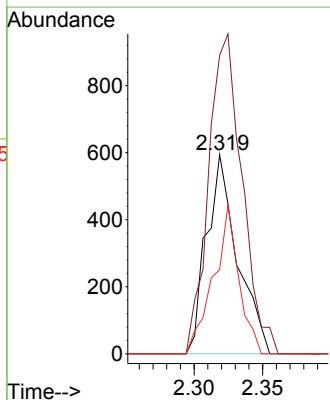
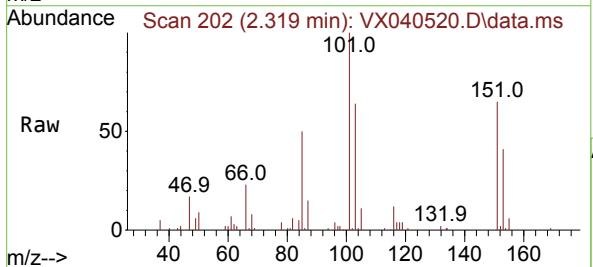
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20240226

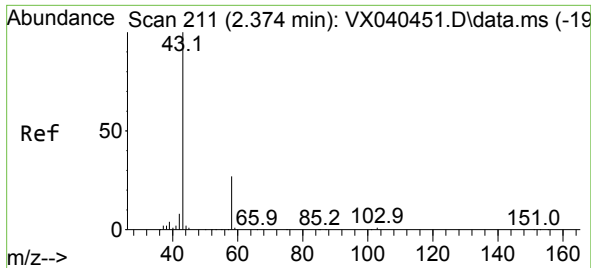
Tgt Ion:101 Resp: 41692
Ion Ratio Lower Upper
101 100
85 49.6 37.0 55.6
151 73.7 58.6 87.8



#12
1,1-Dichloroethene
Concen: 1.094 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

Tgt Ion: 96 Resp: 931
Ion Ratio Lower Upper
96 100
61 149.8 144.6 216.8
98 42.3 50.4 75.6#

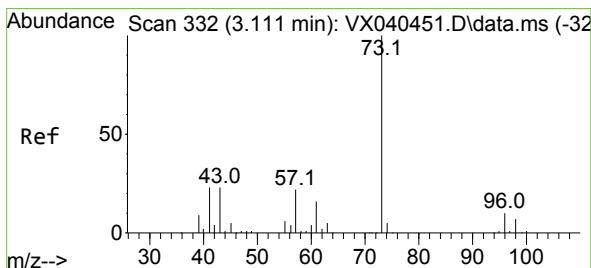
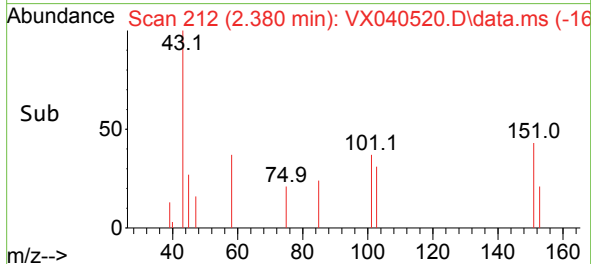
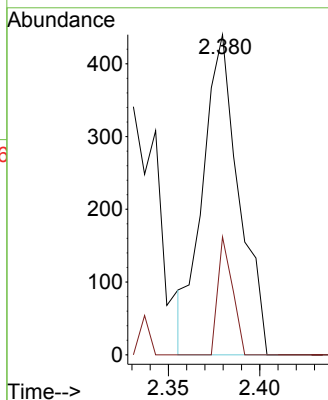
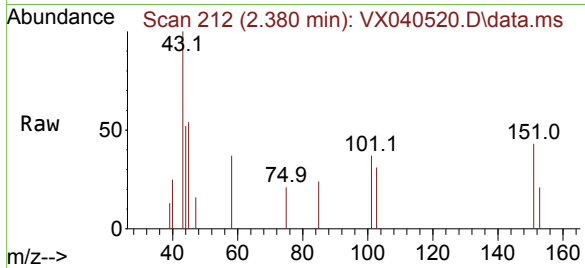




#16
Acetone
Concen: 1.488 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

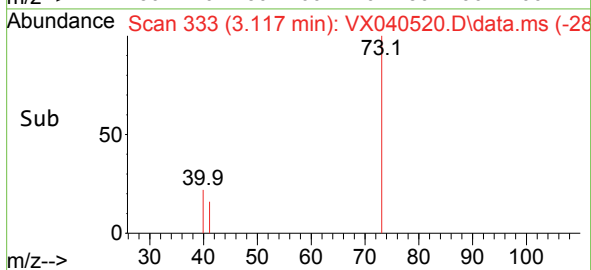
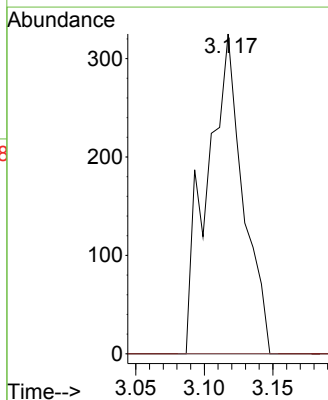
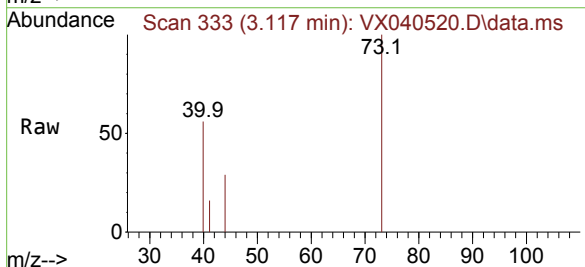
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20240226

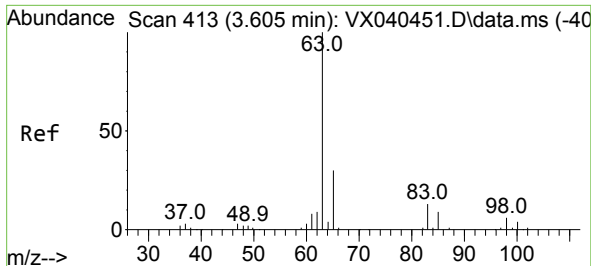
Tgt Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
58 36.8 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 0.204 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

Tgt Ion: 73 Resp: 592
Ion Ratio Lower Upper
73 100
57 0.0 17.3 25.9#

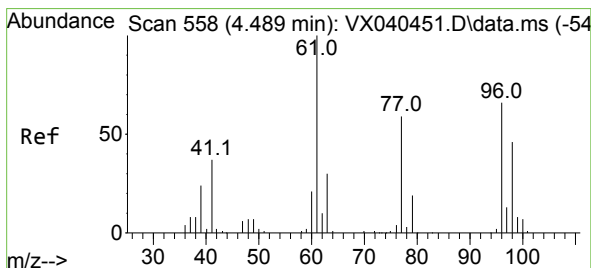
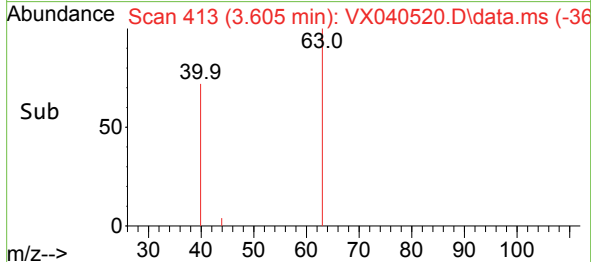
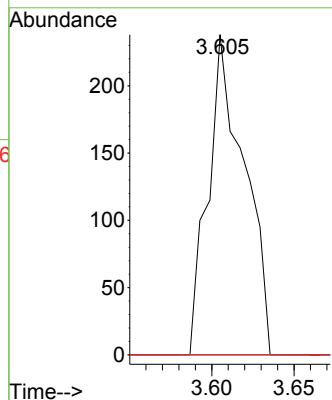
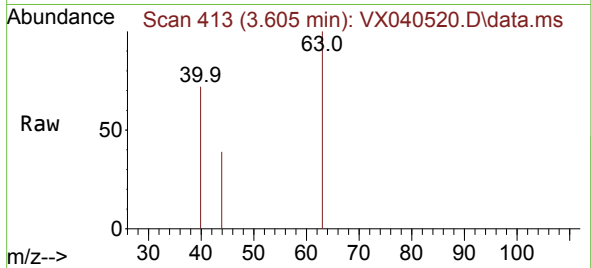




#24
 1,1-Dichloroethane
 Concen: 0.209 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX040520.D
 Acq: 28 Feb 2024 18:44

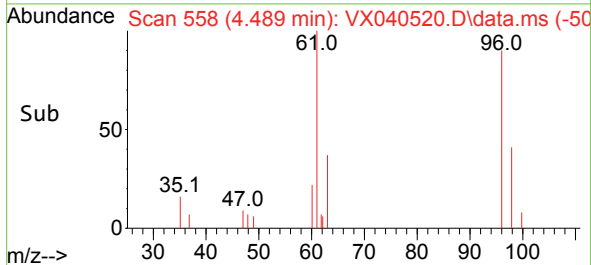
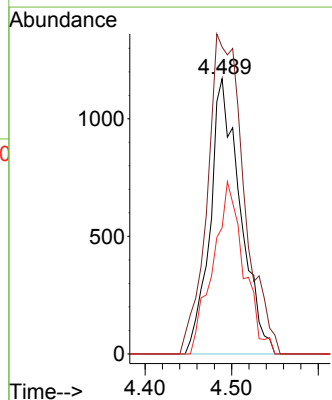
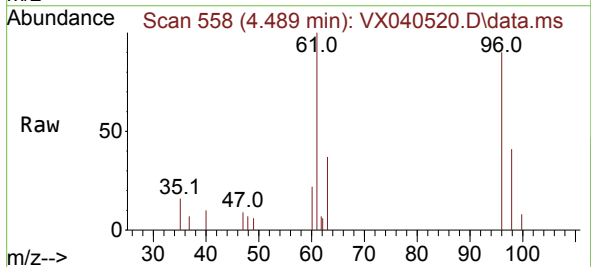
Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D2-20240226

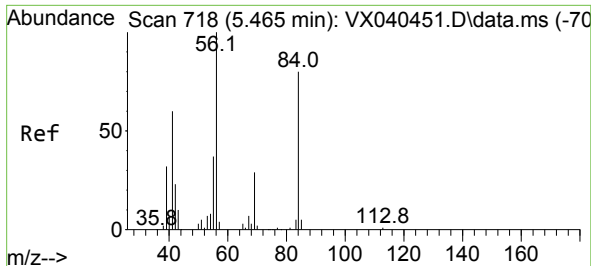
Tgt Ion: 63 Resp: 365
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 2.667 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. -0.000 min
 Lab File: VX040520.D
 Acq: 28 Feb 2024 18:44

Tgt Ion: 96 Resp: 2831
 Ion Ratio Lower Upper
 96 100
 61 141.3 0.0 312.2
 98 64.3 0.0 129.0

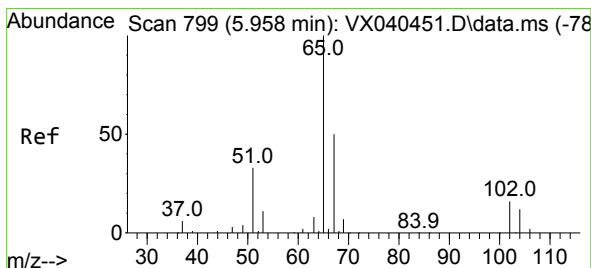
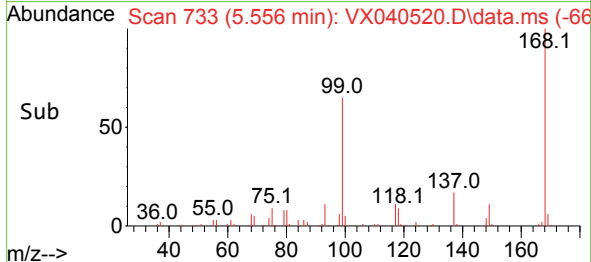
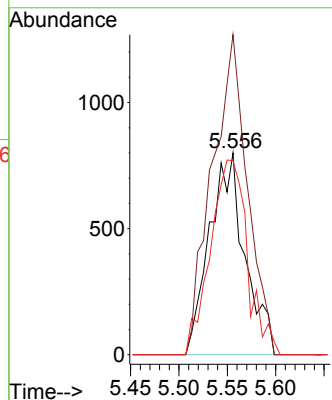
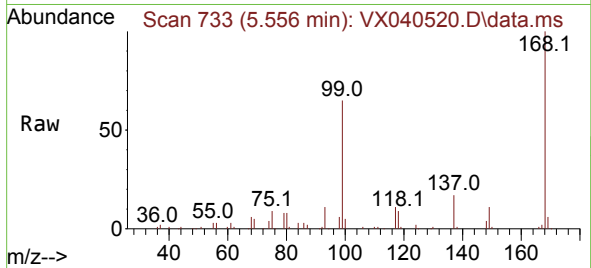




#31
Cyclohexane
Concen: 1.434 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

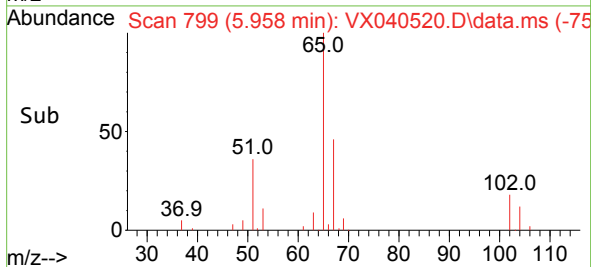
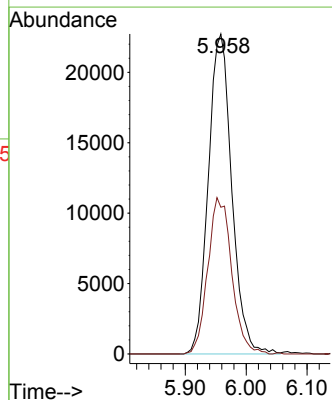
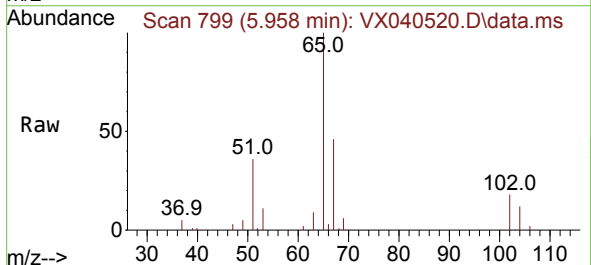
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20240226

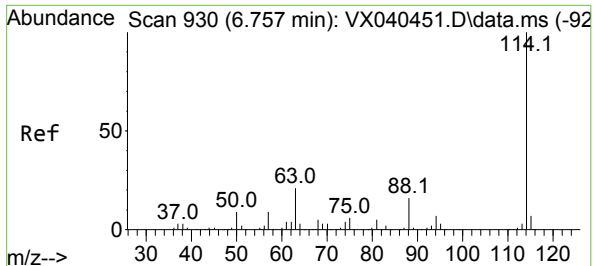
Tgt Ion: 56 Resp: 2029
Ion Ratio Lower Upper
56 100
69 158.6 23.4 35.2#
84 96.1 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 48.691 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

Tgt Ion: 65 Resp: 60813
Ion Ratio Lower Upper
65 100
67 49.8 0.0 100.2

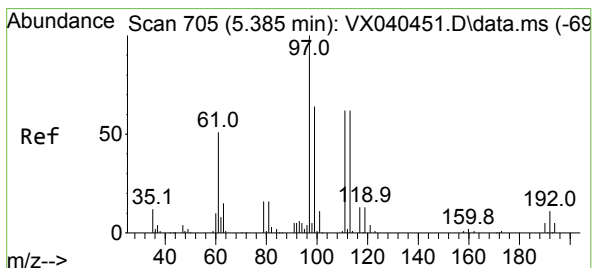
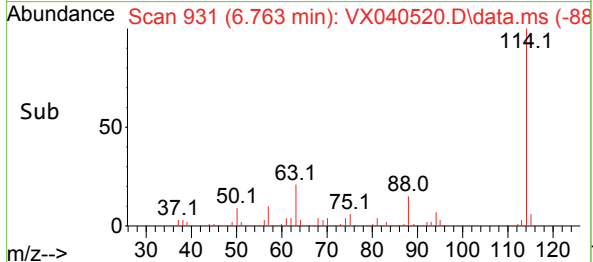
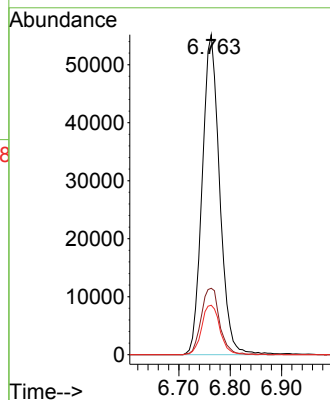
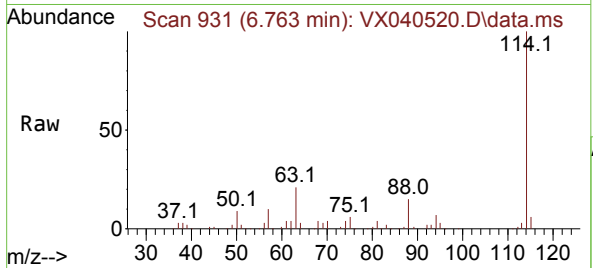




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

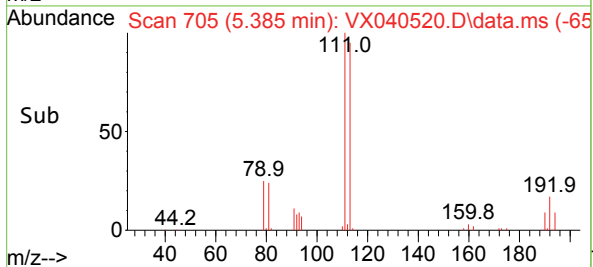
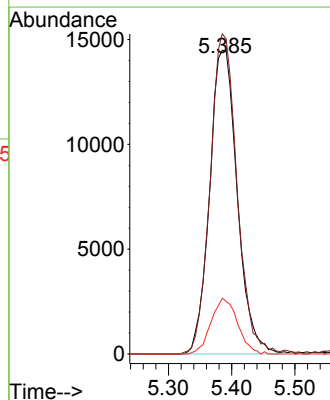
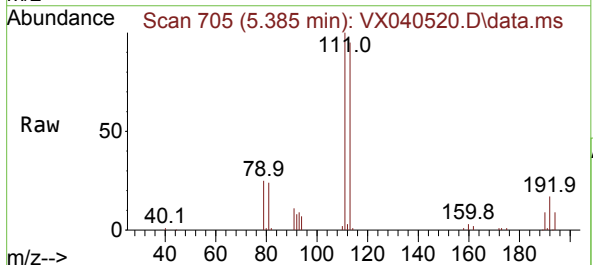
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20240226

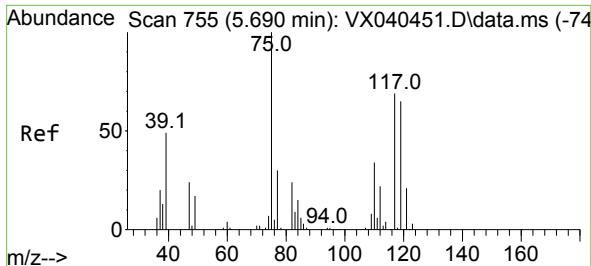
Tgt Ion:114 Resp: 130116
Ion Ratio Lower Upper
114 100
63 20.8 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.626 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

Tgt Ion:113 Resp: 43998
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 17.6 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.090 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX040520.D

Acq: 28 Feb 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

RE134D2-20240226

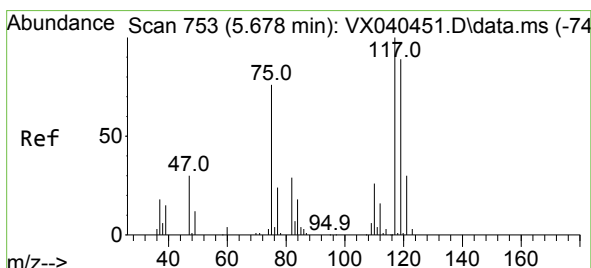
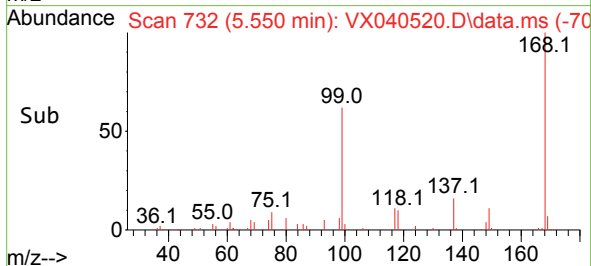
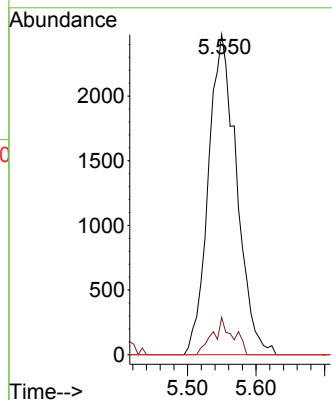
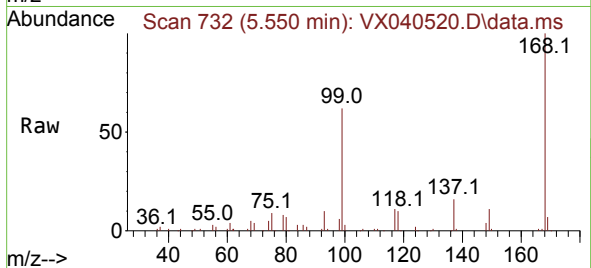
Tgt Ion: 75 Resp: 7095

Ion Ratio Lower Upper

75 100

110 8.2 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.153 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX040520.D

Acq: 28 Feb 2024 18:44

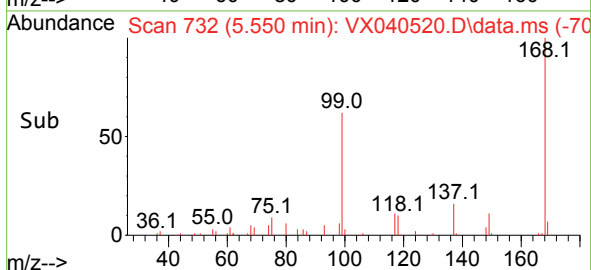
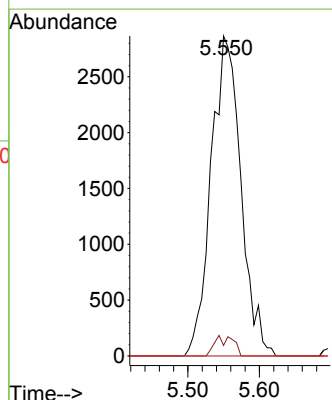
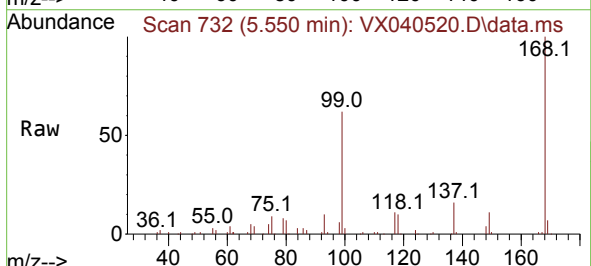
Tgt Ion: 117 Resp: 8287

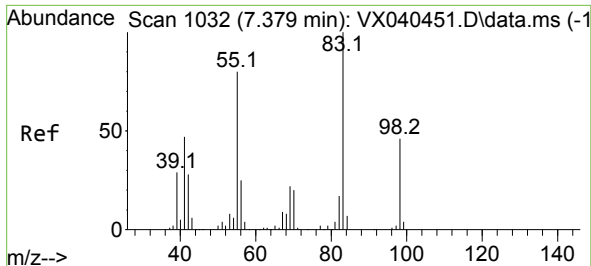
Ion Ratio Lower Upper

117 100

119 3.3 78.2 117.2#

121 0.0 24.4 36.6#

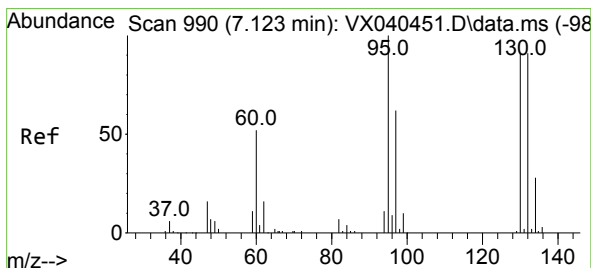
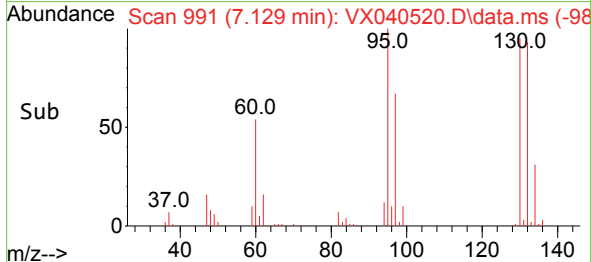
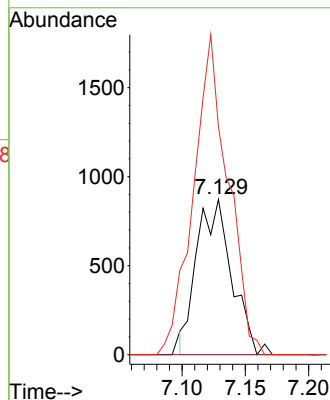
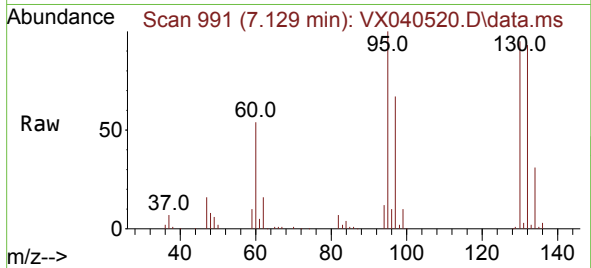




#39
Methylcyclohexane
Concen: 1.114 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

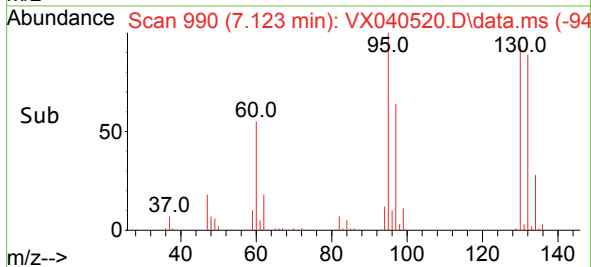
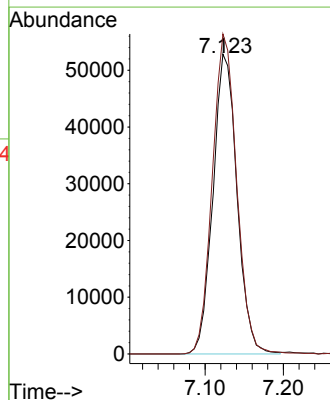
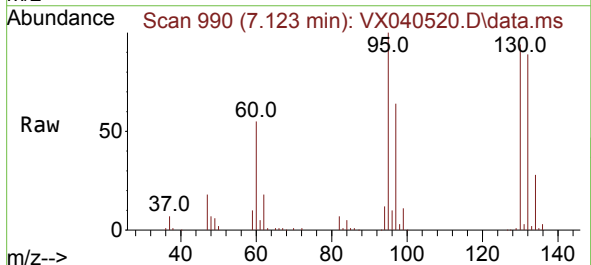
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20240226

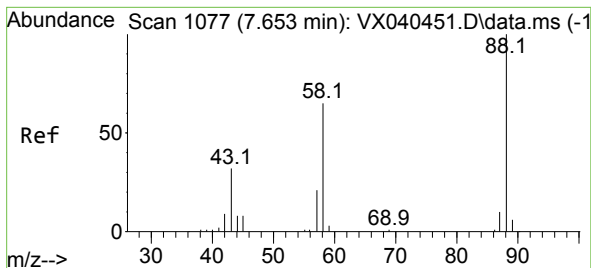
Tgt Ion: 83 Resp: 1676
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 146.7 36.7 55.1#



#44
Trichloroethene
Concen: 111.298 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

Tgt Ion:130 Resp: 112971
Ion Ratio Lower Upper
130 100
95 106.7 0.0 204.4





#49

1,4-Dioxane

Concen: 26.066 ug/l

RT: 7.665 min Scan# 1077

Delta R.T. 0.012 min

Lab File: VX040520.D

Acq: 28 Feb 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

RE134D2-20240226

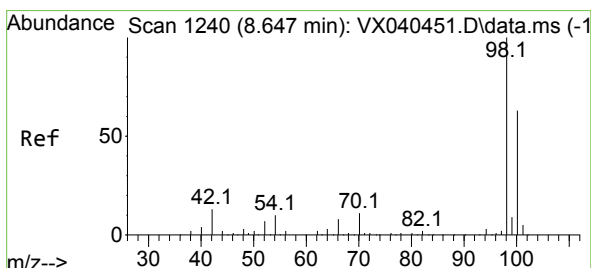
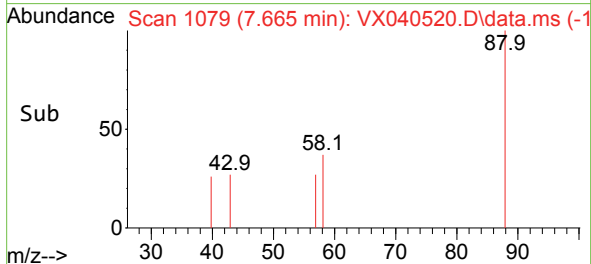
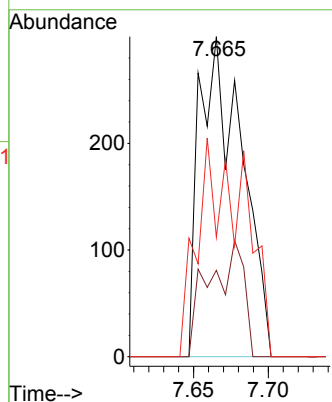
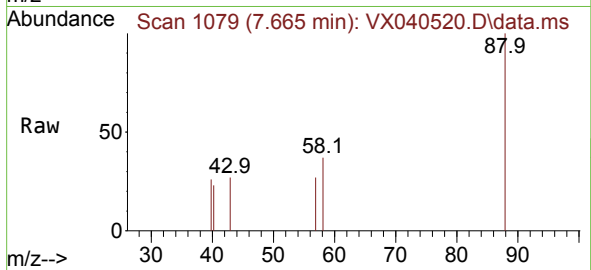
Tgt Ion: 88 Resp: 590

Ion Ratio Lower Upper

88 100

43 29.7 0.0 0.0#

58 31.9 60.1 90.1#



#50

Toluene-d8

Concen: 48.816 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX040520.D

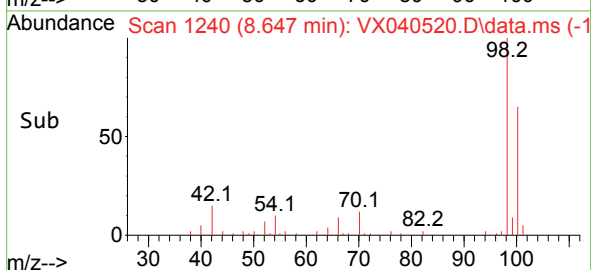
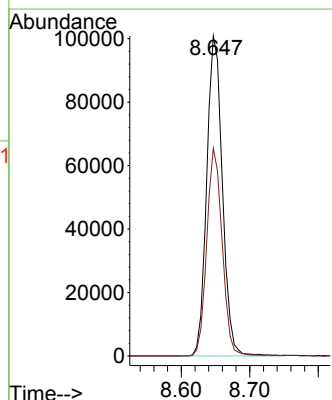
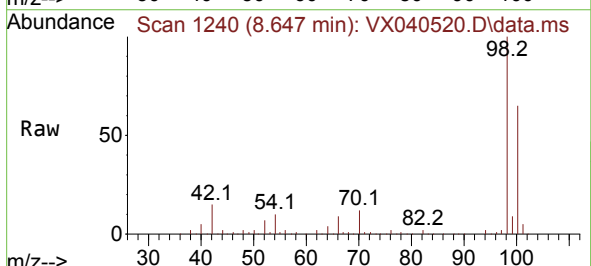
Acq: 28 Feb 2024 18:44

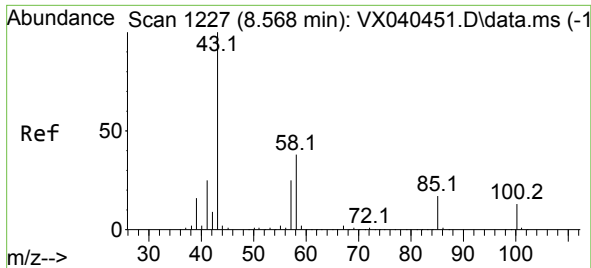
Tgt Ion: 98 Resp: 160329

Ion Ratio Lower Upper

98 100

100 64.0 53.1 79.7

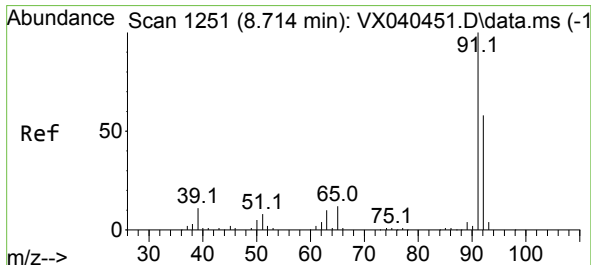
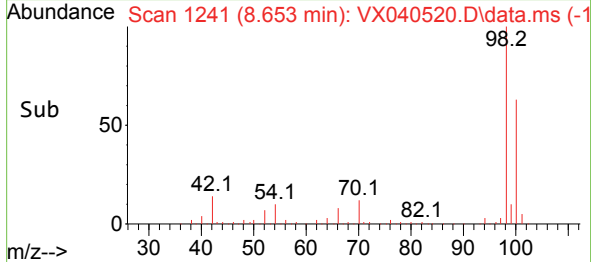
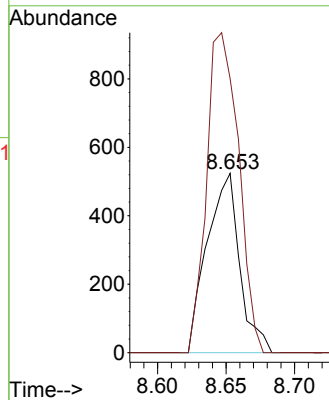
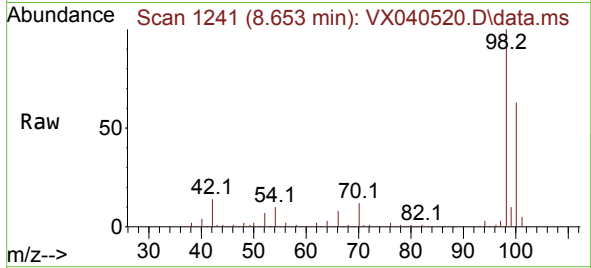




#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.085 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

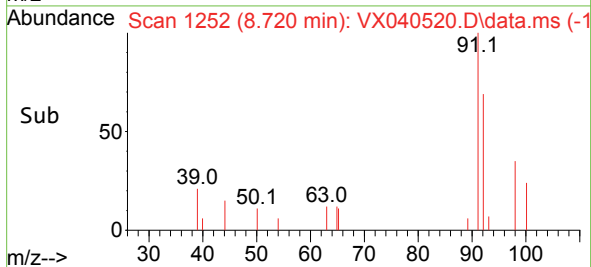
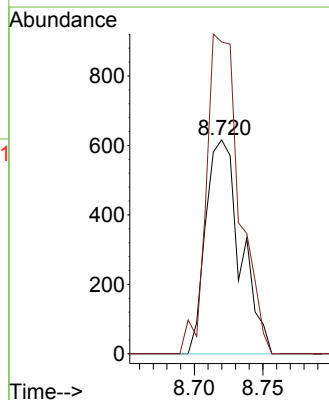
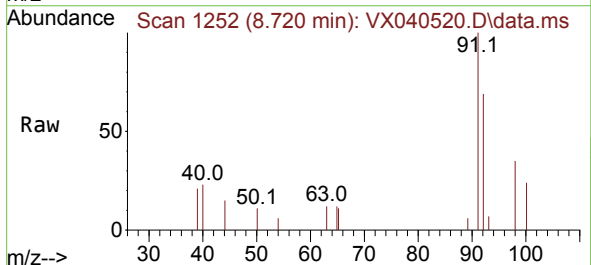
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20240226

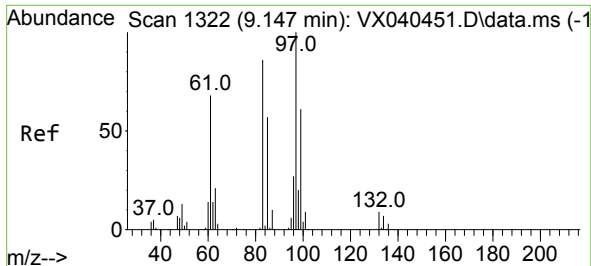
Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
58 175.9 30.4 45.6#



#52
Toluene
Concen: 0.469 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

Tgt Ion: 92 Resp: 1087
Ion Ratio Lower Upper
92 100
91 143.1 134.2 201.2

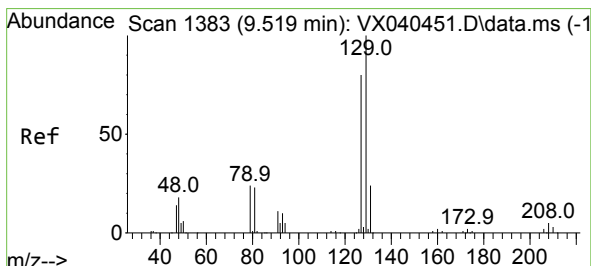
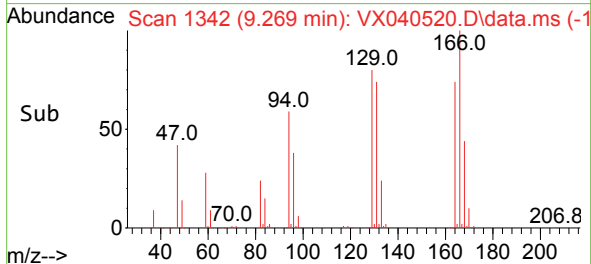
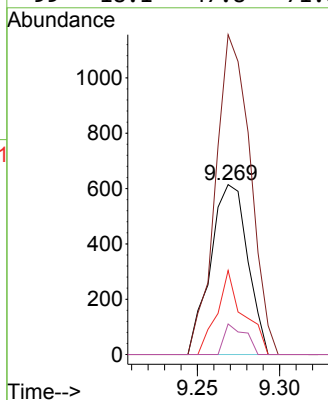
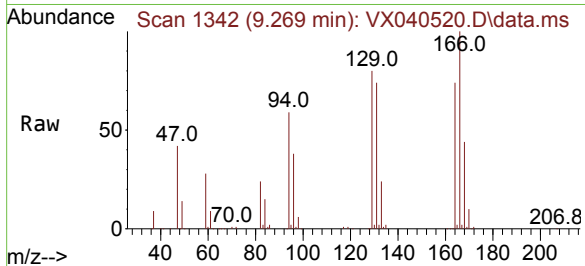




#55
1,1,2-Trichloroethane
Concen: 1.002 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.122 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

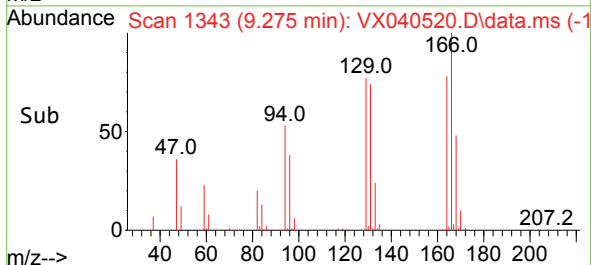
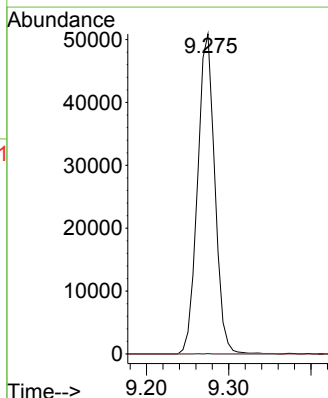
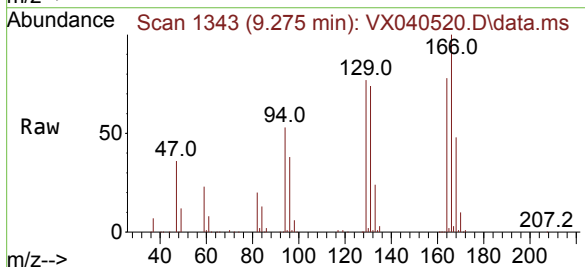
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20240226

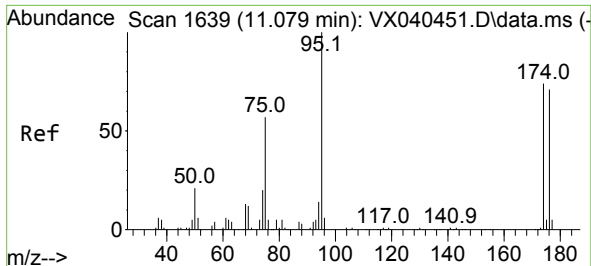
Tgt Ion: 97	Resp:	963
Ion	Ratio	Lower Upper
97	100	
83	188.3	65.8 98.8#
85	49.5	41.6 62.4
99	18.1	47.8 71.8#



#60
Dibromochloromethane
Concen: 70.985 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

Tgt Ion: 129	Resp:	74115
Ion	Ratio	Lower Upper
129	100	
127	0.1	38.8 116.4#

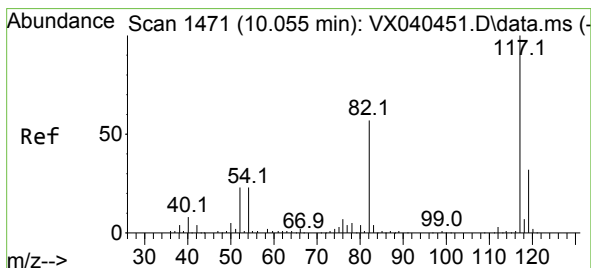
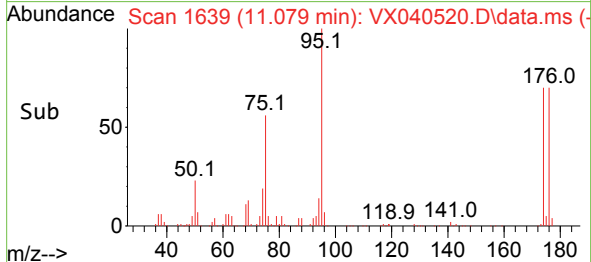
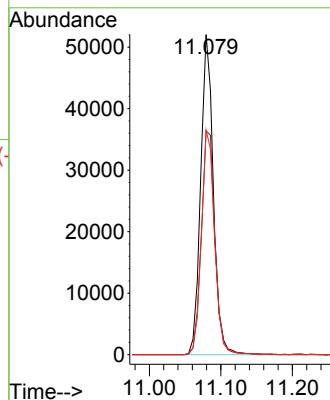
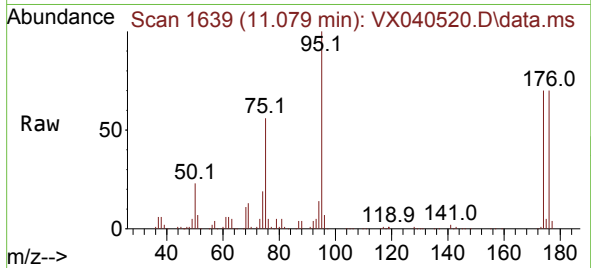




#62
4-Bromofluorobenzene
Concen: 51.095 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

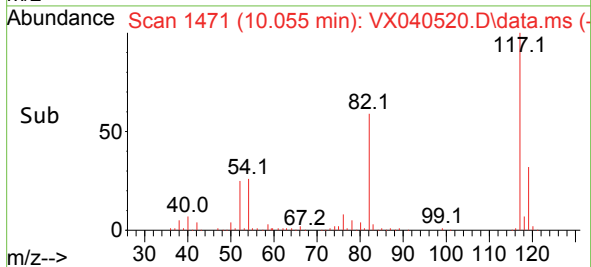
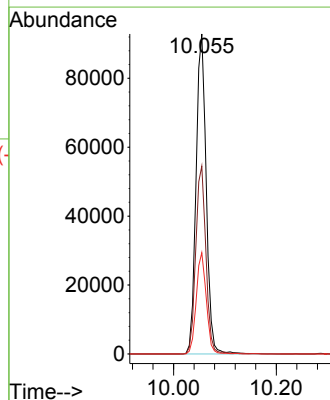
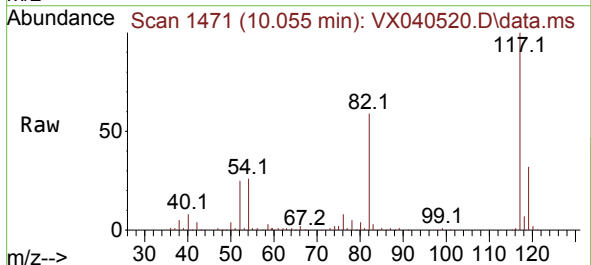
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20240226

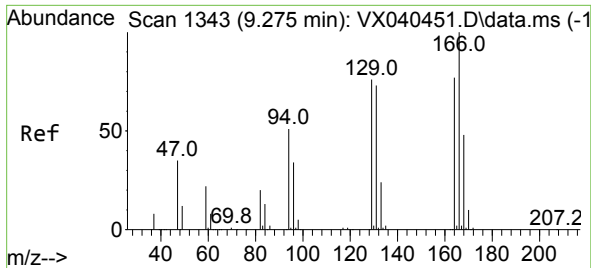
Tgt Ion: 95 Resp: 63970
Ion Ratio Lower Upper
95 100
174 75.5 0.0 135.6
176 72.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

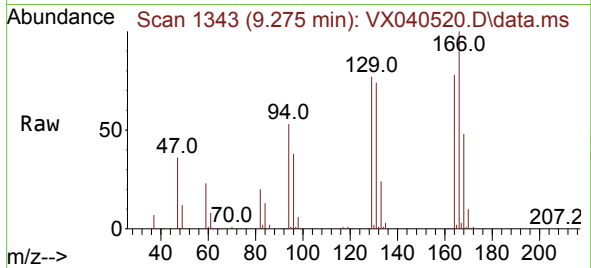
Tgt Ion: 117 Resp: 127610
Ion Ratio Lower Upper
117 100
82 58.7 46.2 69.4
119 31.7 25.5 38.3



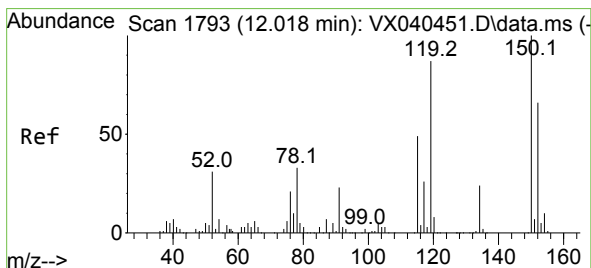
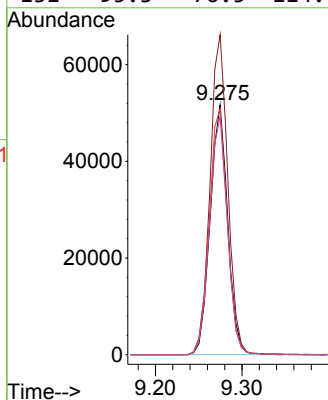
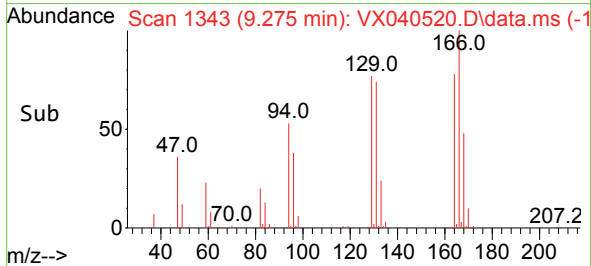


#64
Tetrachloroethene
Concen: 81.127 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

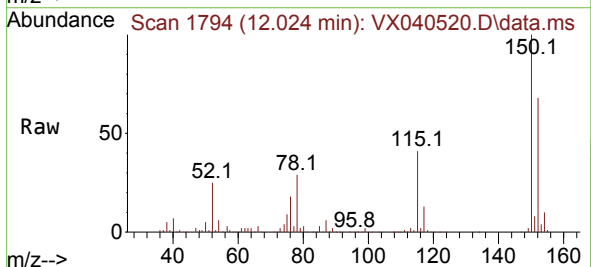
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20240226



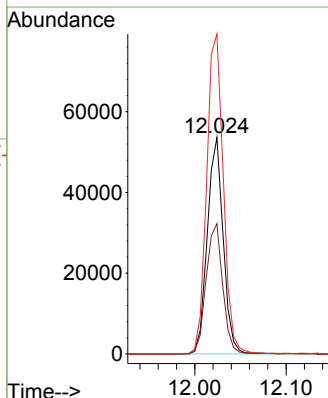
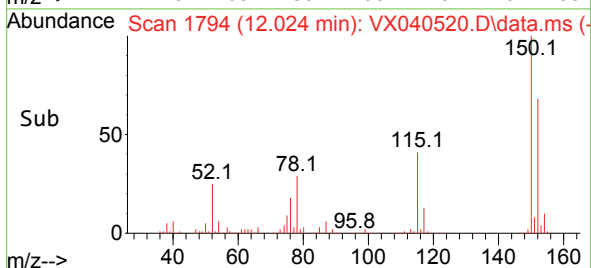
Tgt Ion:164 Resp: 72681
Ion Ratio Lower Upper
164 100
166 128.2 102.7 154.1
129 98.5 80.4 120.6
131 95.3 76.5 114.7

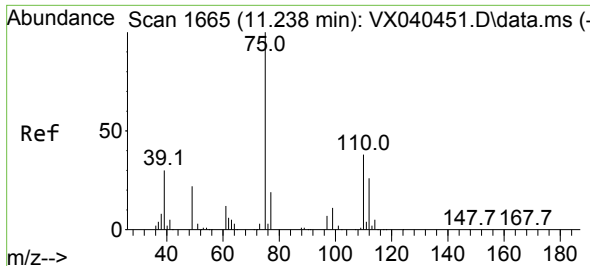


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44



Tgt Ion:152 Resp: 64926
Ion Ratio Lower Upper
152 100
115 62.4 43.3 129.9
150 154.9 0.0 345.0

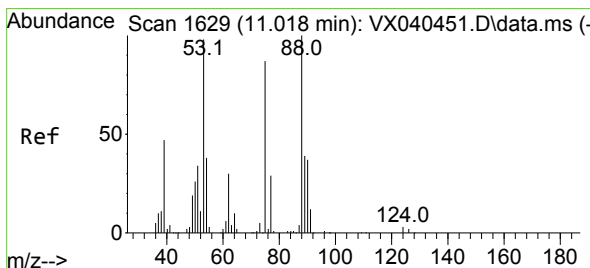
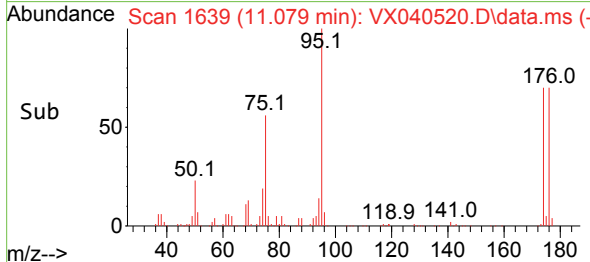
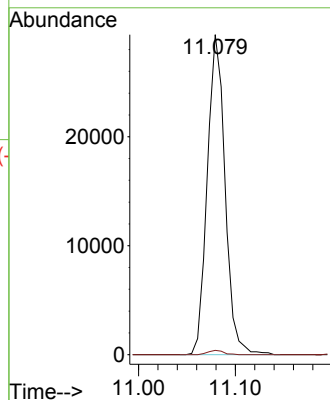
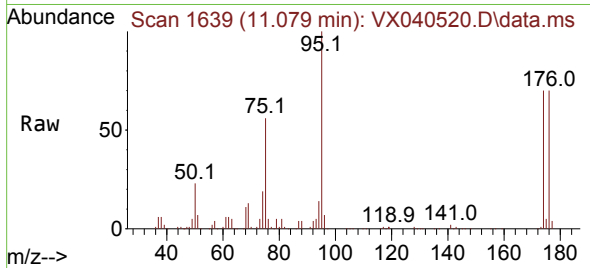




#76
1,2,3-Trichloropropane
Concen: 26.362 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20240226

Tgt Ion: 75 Resp: 37669
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.649 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040520.D
Acq: 28 Feb 2024 18:44

Tgt Ion: 75 Resp: 37669
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

