

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022724\
 Data File : VX040498.D
 Acq On : 27 Feb 2024 18:32
 Operator : JC/MD
 Sample : P1578-16DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20240221DL

Quant Time: Feb 28 02:09:00 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)

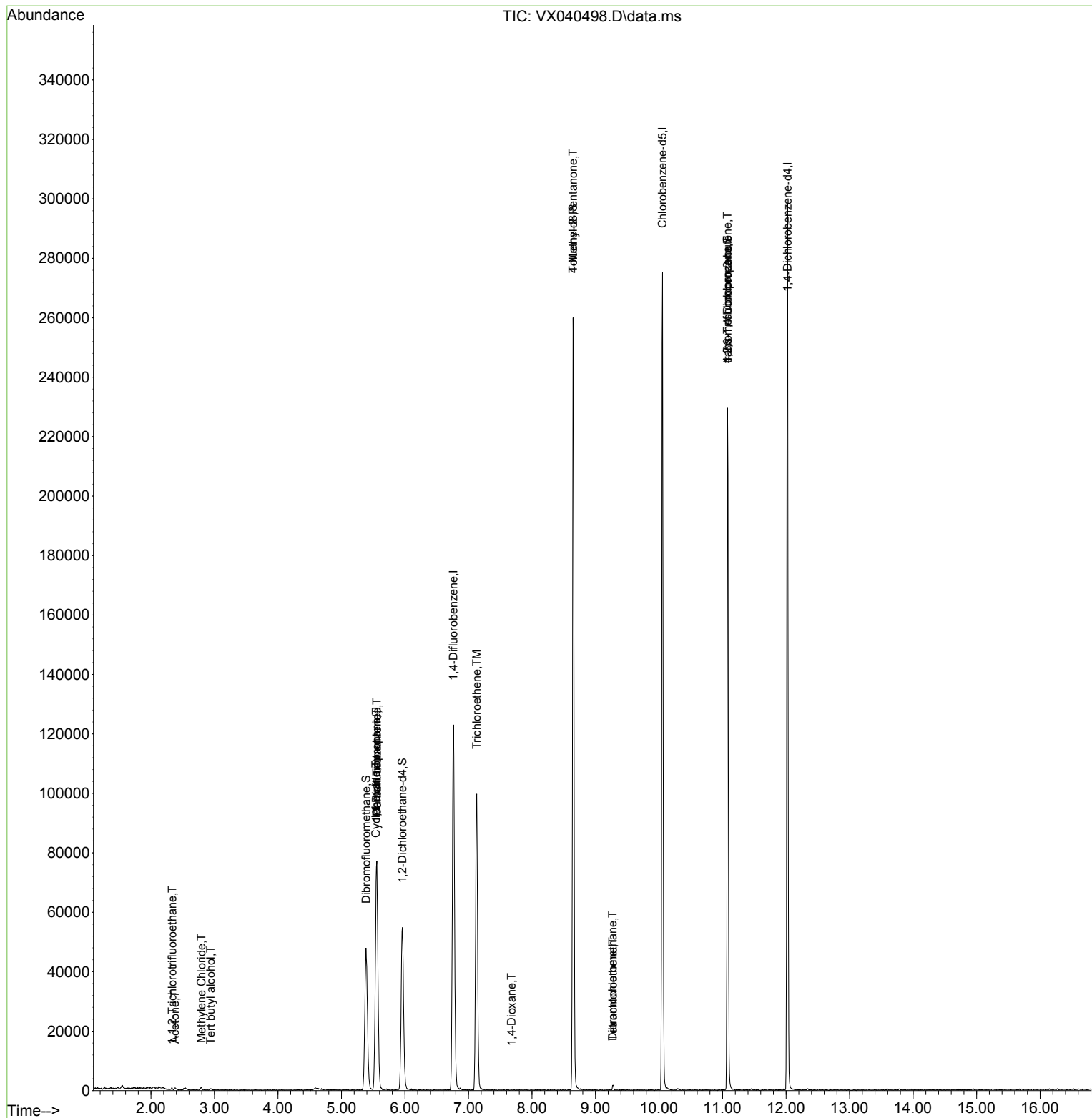
Internal Standards						
1) Pentafluorobenzene	5.556	168	66634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	116741	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55987	50.235	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.480%	
35) Dibromofluoromethane	5.385	113	40482	49.866	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.740%	
50) Toluene-d8	8.647	98	148167	50.281	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.560%	
62) 4-Bromofluorobenzene	11.079	95	58439	52.025	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.060%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	280	0.370	ug/l #	49
11) Tert butyl alcohol	2.940	59	278	1.484	ug/l #	78
16) Acetone	2.380	43	665	1.830	ug/l #	76
20) Methylene Chloride	2.794	84	386	0.444	ug/l	97
31) Cyclohexane	5.544	56	1876	1.486	ug/l #	39
36) 1,1-Dichloropropene	5.550	75	6648	5.315	ug/l #	50
38) Carbon Tetrachloride	5.556	117	7529	6.231	ug/l #	17
44) Trichloroethene	7.129	130	35684	39.183	ug/l	95
49) 1,4-Dioxane	7.677	88	39	1.920	ug/l #	12
51) 4-Methyl-2-Pentanone	8.647	43	854	0.601	ug/l #	1
60) Dibromochloromethane	9.269	129	353	0.377	ug/l #	11
64) Tetrachloroethene	9.275	164	286	0.354	ug/l #	77
76) 1,2,3-Trichloropropane	11.079	75	33020	24.899	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	33020	72.735	ug/l #	5

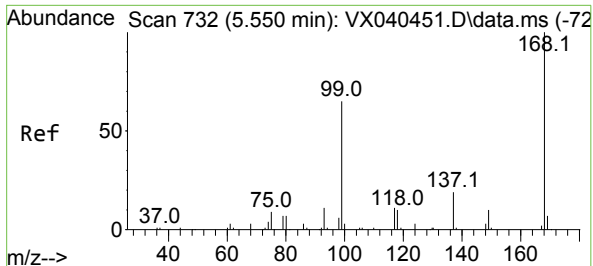
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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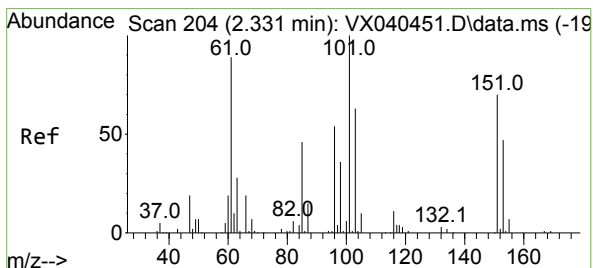
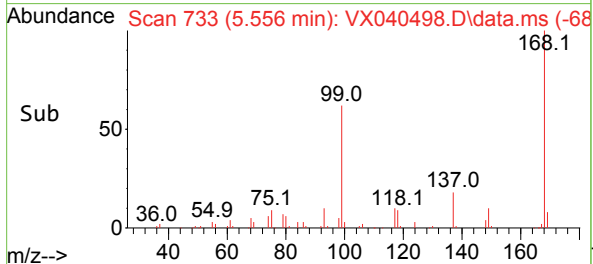
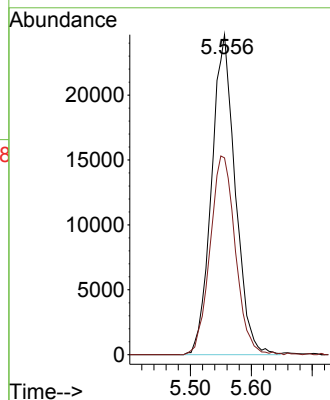
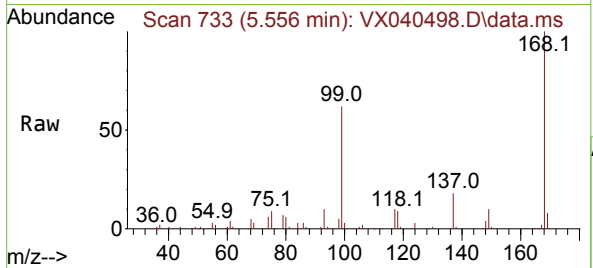




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

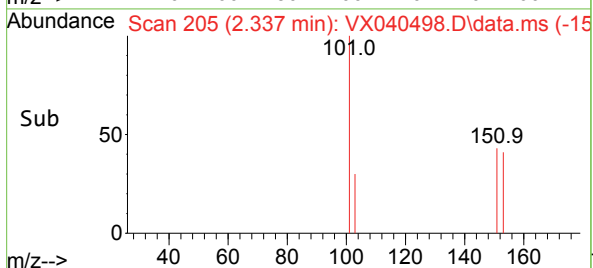
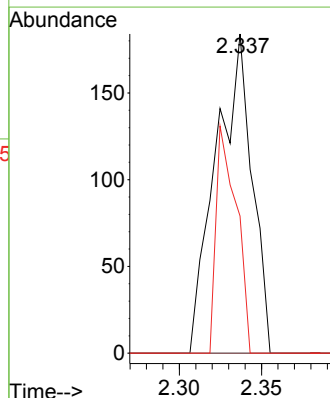
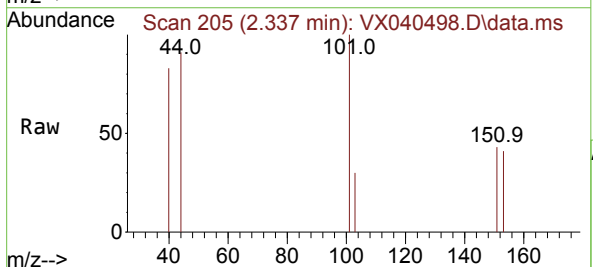
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20240221DL

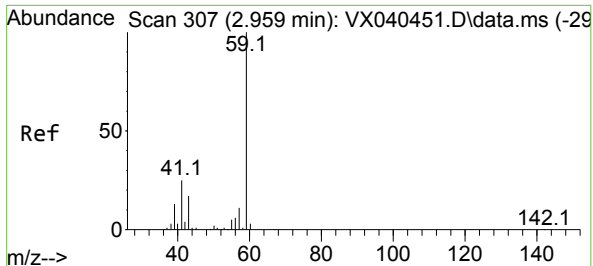
Tgt Ion:168 Resp: 66634
Ion Ratio Lower Upper
168 100
99 61.5 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.370 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

Tgt Ion:101 Resp: 280
Ion Ratio Lower Upper
101 100
85 0.0 37.0 55.6#
151 40.0 58.6 87.8#





#11

Tert butyl alcohol

Concen: 1.484 ug/l

RT: 2.940 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX040498.D

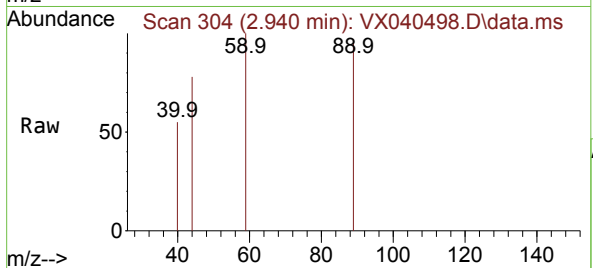
Acq: 27 Feb 2024 18:32

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20240221DL

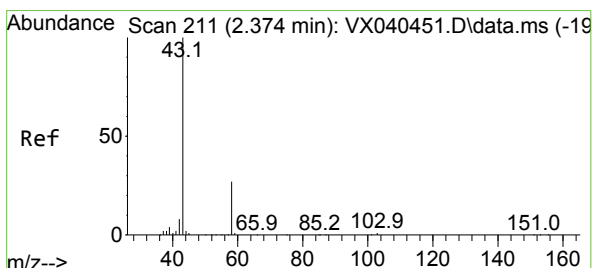
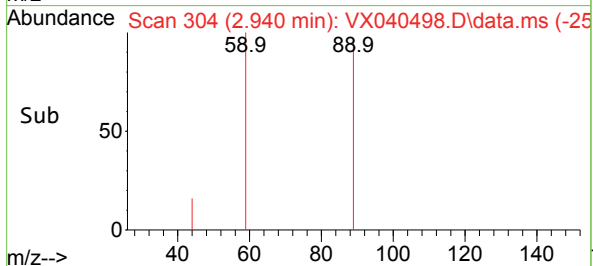
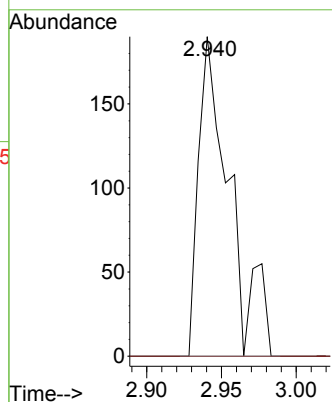


Tgt Ion: 59 Resp: 278

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 1.830 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX040498.D

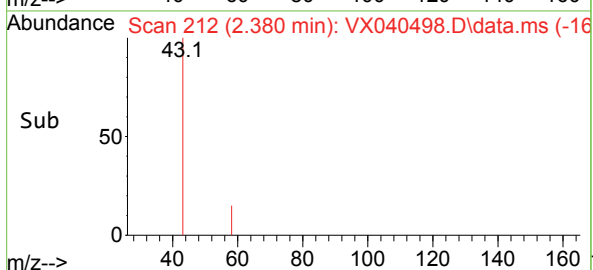
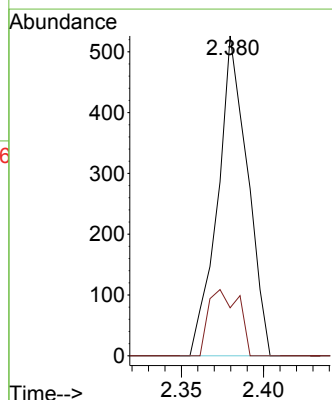
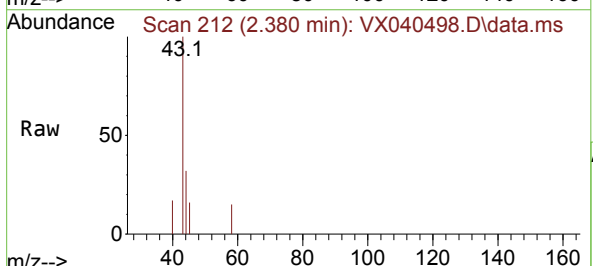
Acq: 27 Feb 2024 18:32

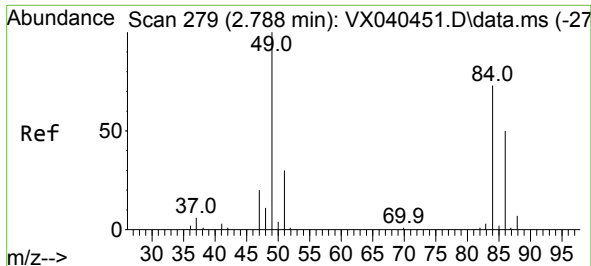
Tgt Ion: 43 Resp: 665

Ion Ratio Lower Upper

43 100

58 15.0 21.9 32.9#



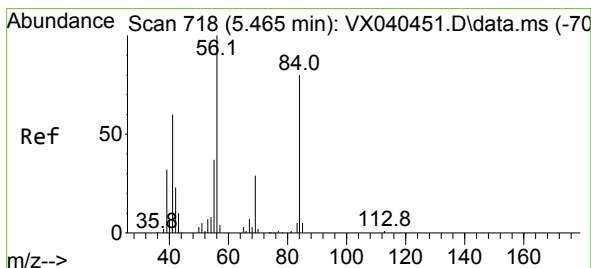
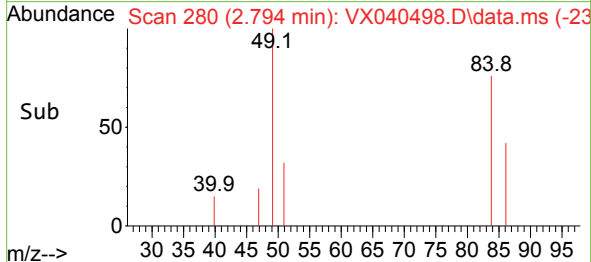
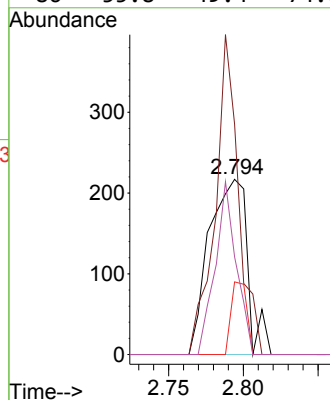
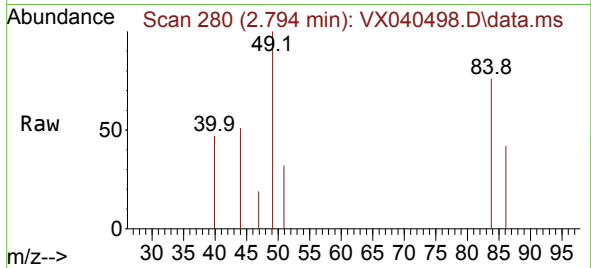


#20
Methylene Chloride
Concen: 0.444 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20240221DL

Tgt Ion: 84 Resp: 386

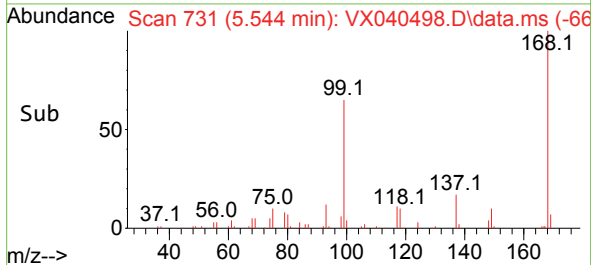
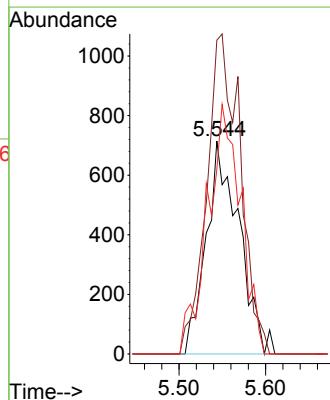
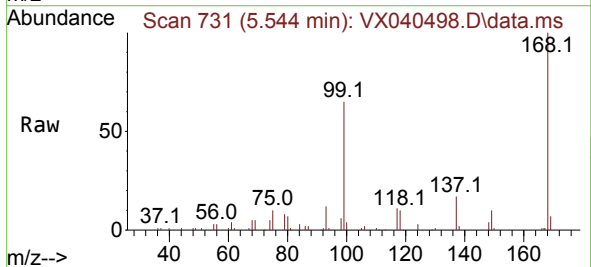
Ion	Ratio	Lower	Upper
84	100		
49	131.3	103.6	155.4
51	41.5	33.8	50.6
86	55.8	49.4	74.0

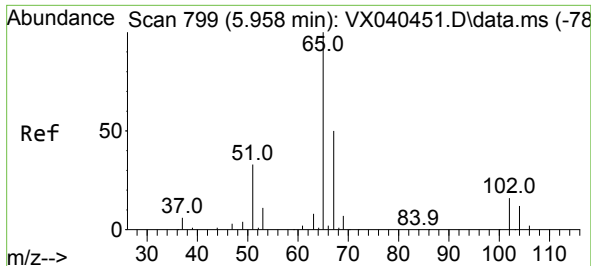


#31
Cyclohexane
Concen: 1.486 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

Tgt Ion: 56 Resp: 1876

Ion	Ratio	Lower	Upper
56	100		
69	147.3	23.4	35.2#
84	86.6	65.9	98.9





#33

1,2-Dichloroethane-d4

Concen: 50.235 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX040498.D

Acq: 27 Feb 2024 18:32

Instrument :

MSVOA_X

ClientSampleId :

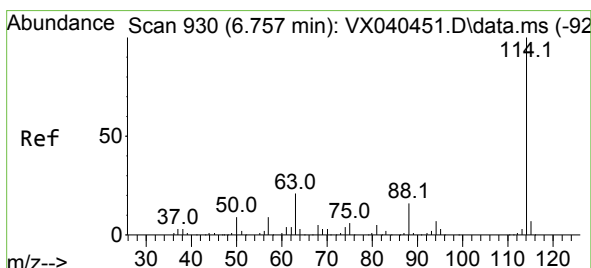
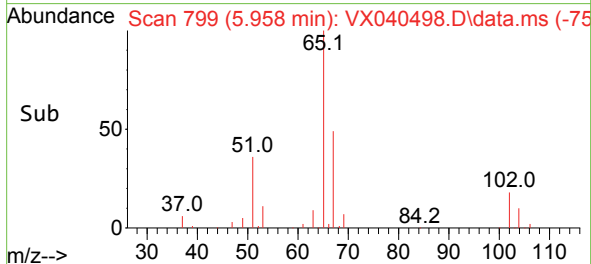
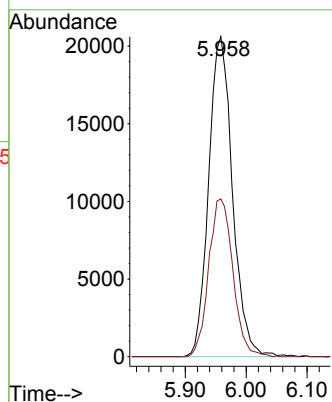
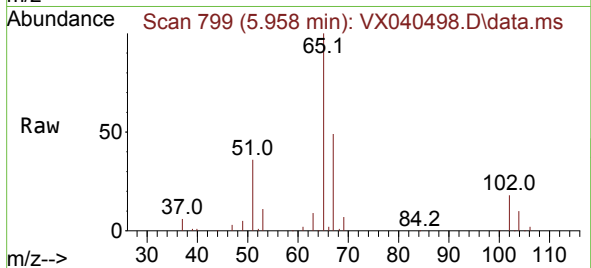
RE122D1-20240221DL

Tgt Ion: 65 Resp: 55987

Ion Ratio Lower Upper

65 100

67 50.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX040498.D

Acq: 27 Feb 2024 18:32

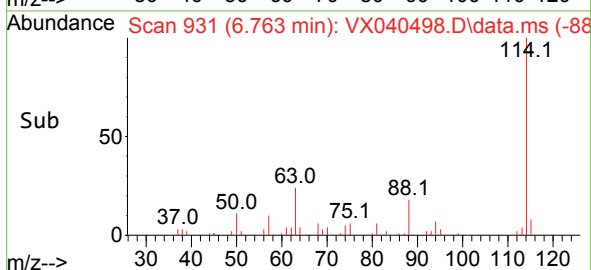
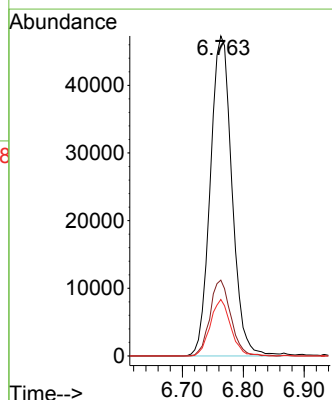
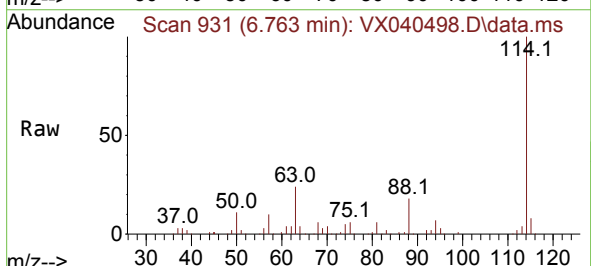
Tgt Ion: 114 Resp: 116741

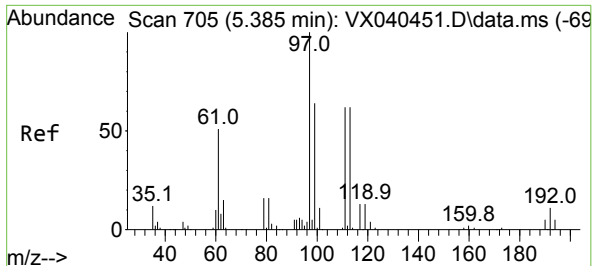
Ion Ratio Lower Upper

114 100

63 23.7 0.0 45.0

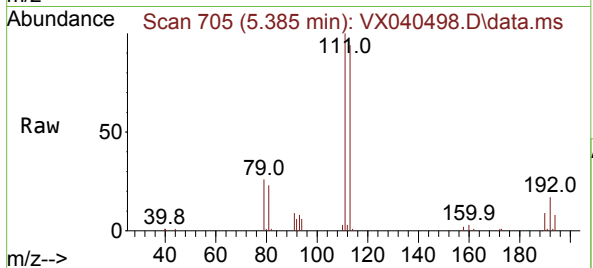
88 17.6 0.0 36.6



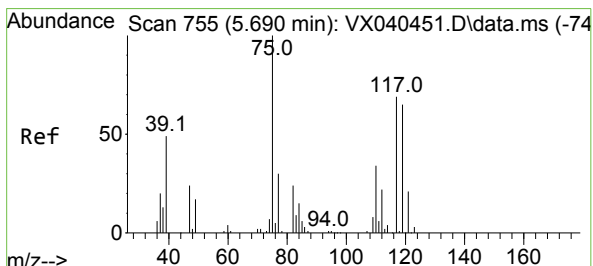
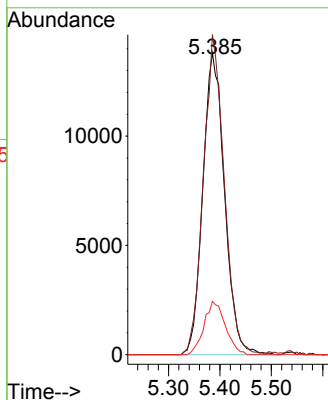
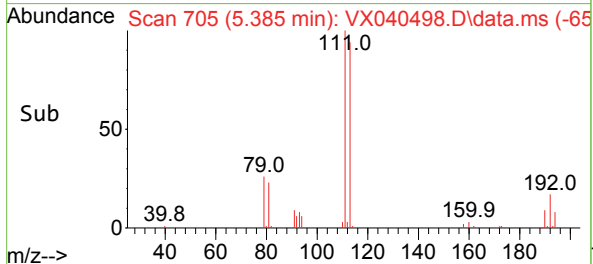


#35
Dibromofluoromethane
Concen: 49.866 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20240221DL

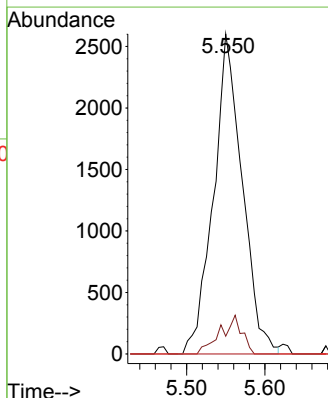
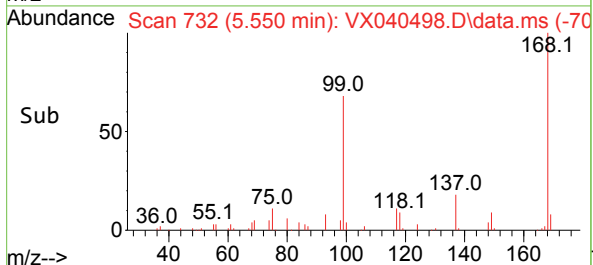
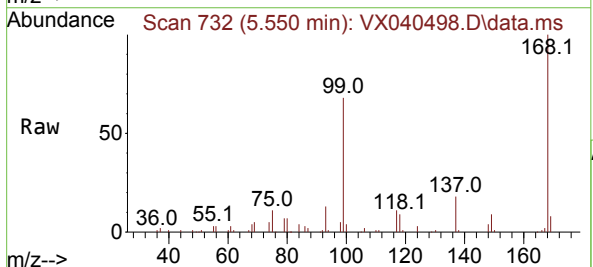


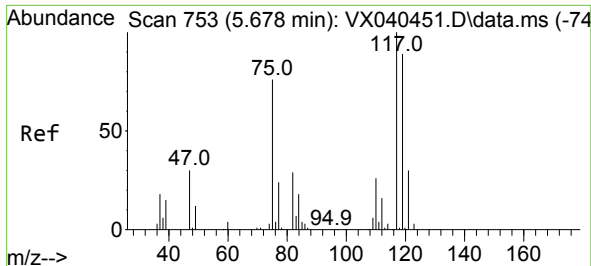
Tgt Ion:113 Resp: 40482
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 17.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.315 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

Tgt Ion: 75 Resp: 6648
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.231 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX040498.D

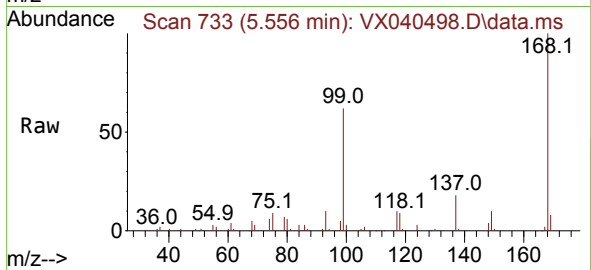
Acq: 27 Feb 2024 18:32

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20240221DL



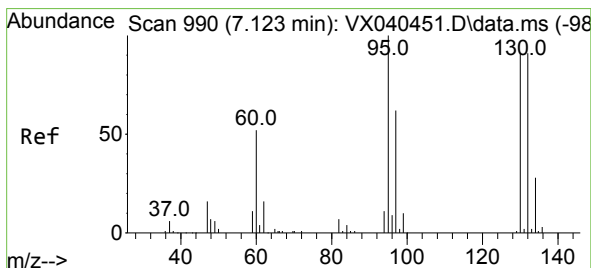
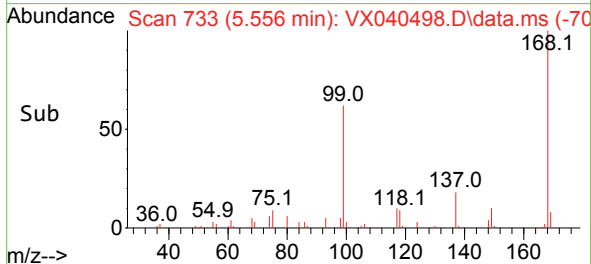
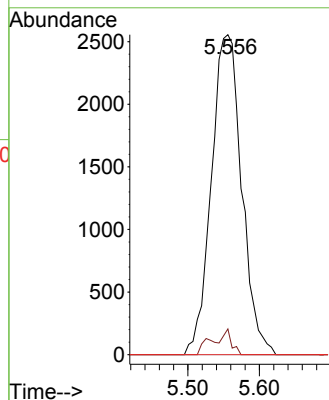
Tgt Ion:117 Resp: 7529

Ion Ratio Lower Upper

117 100

119 8.0 78.2 117.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 39.183 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX040498.D

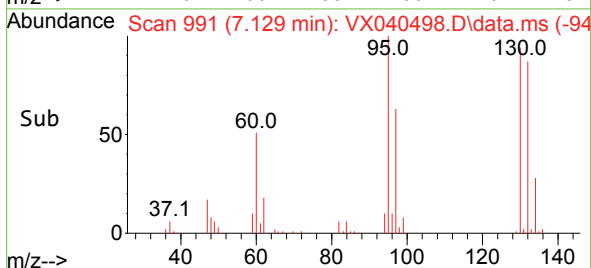
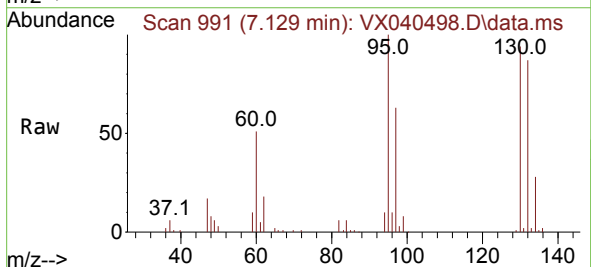
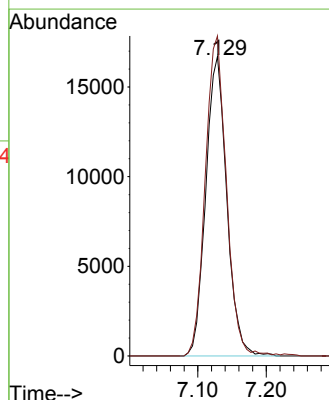
Acq: 27 Feb 2024 18:32

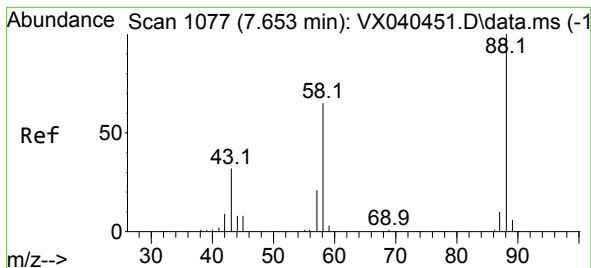
Tgt Ion:130 Resp: 35684

Ion Ratio Lower Upper

130 100

95 106.8 0.0 204.4





#49

1,4-Dioxane

Concen: 1.920 ug/l

RT: 7.677 min Scan# 1077

Delta R.T. 0.024 min

Lab File: VX040498.D

Acq: 27 Feb 2024 18:32

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20240221DL

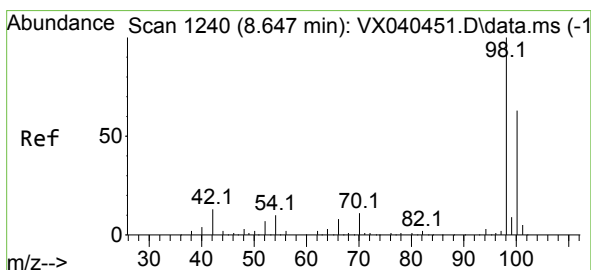
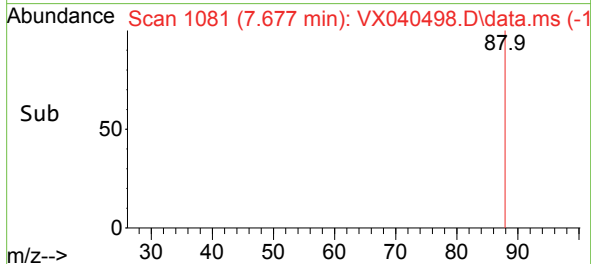
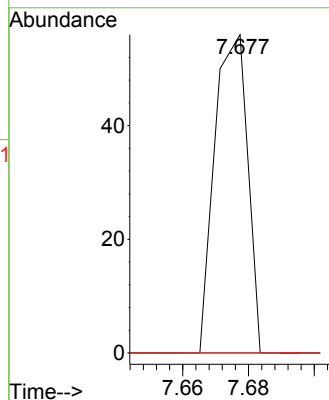
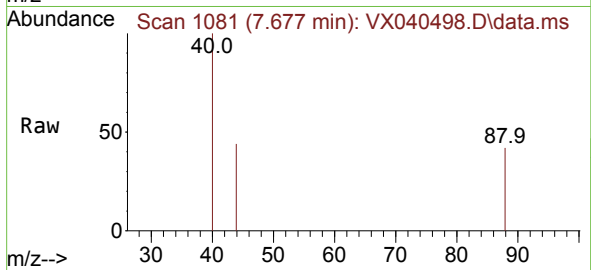
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 60.1 90.1#



#50

Toluene-d8

Concen: 50.281 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX040498.D

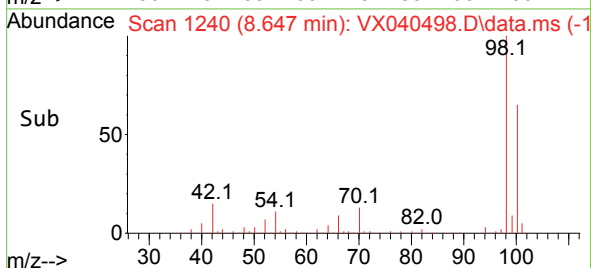
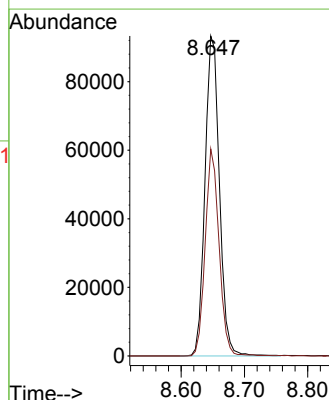
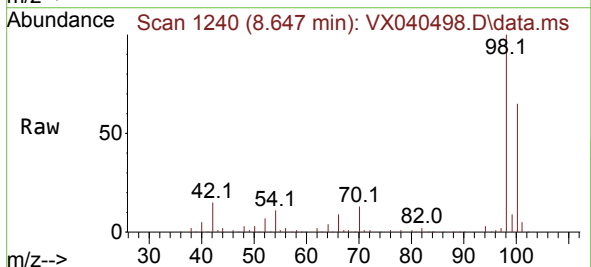
Acq: 27 Feb 2024 18:32

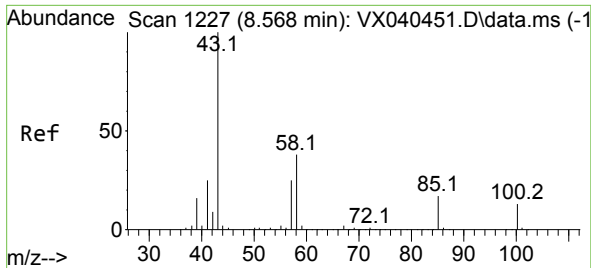
Tgt Ion: 98 Resp: 148167

Ion Ratio Lower Upper

98 100

100 62.1 53.1 79.7

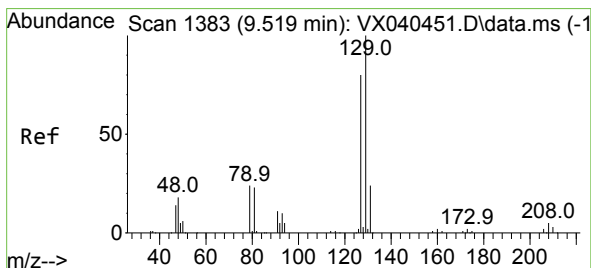
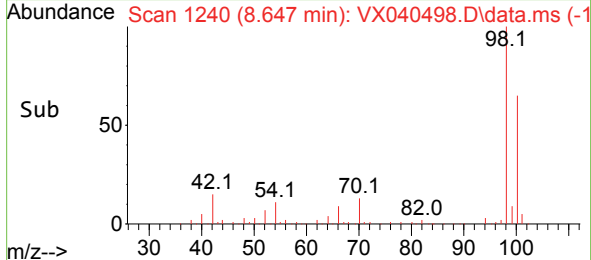
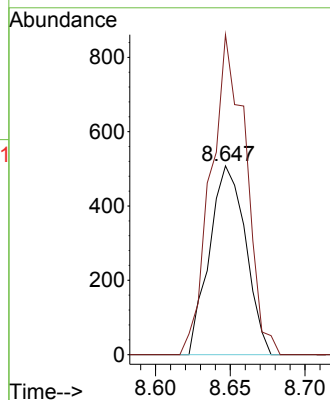
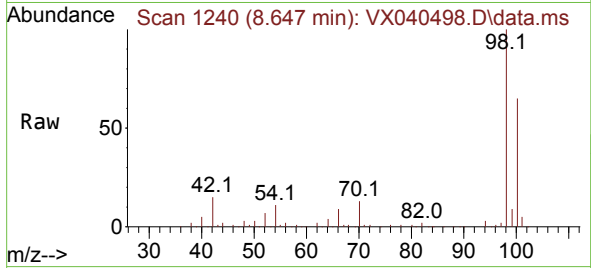




#51
4-Methyl-2-Pentanone
Concen: 0.601 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

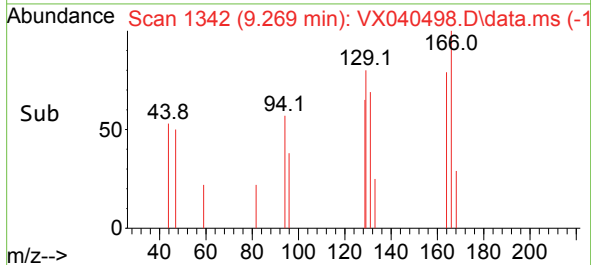
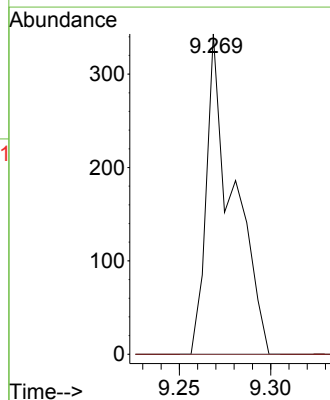
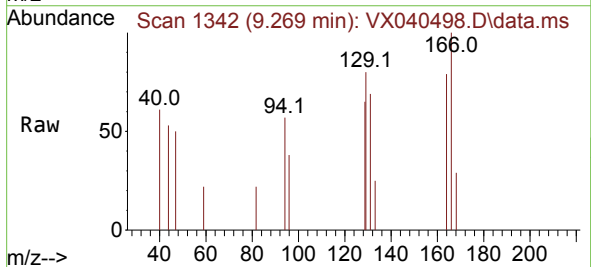
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20240221DL

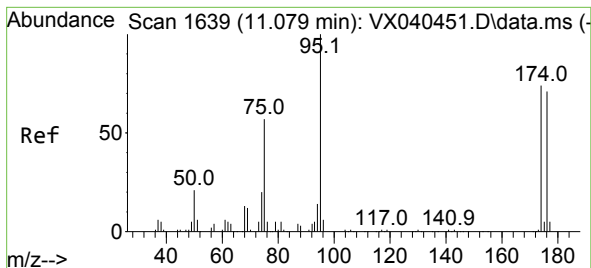
Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
58 163.8 30.4 45.6#



#60
Dibromochloromethane
Concen: 0.377 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

Tgt Ion: 129 Resp: 353
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

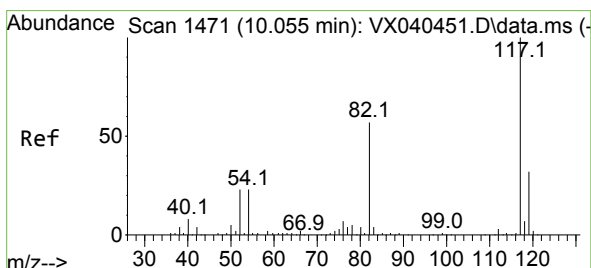
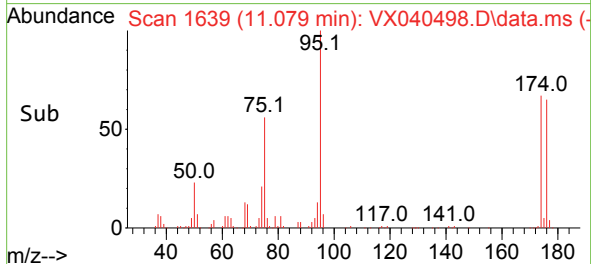
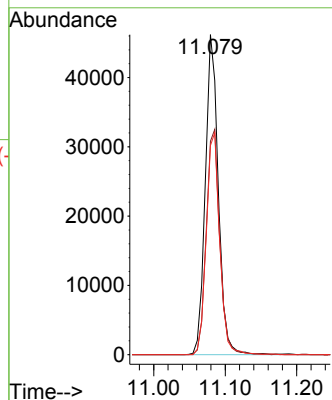
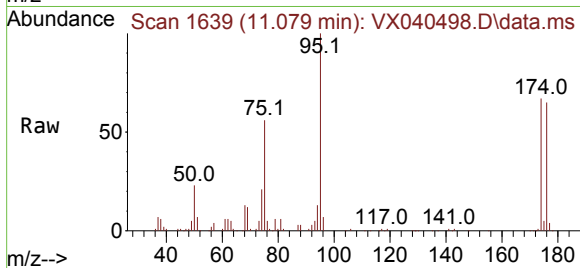




#62
4-Bromofluorobenzene
Concen: 52.025 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

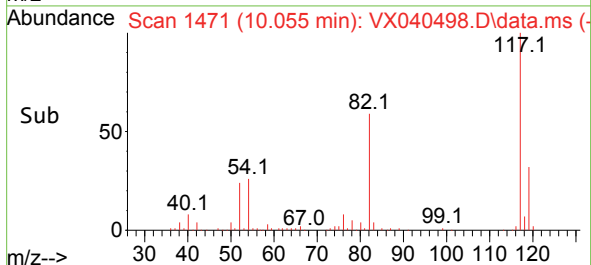
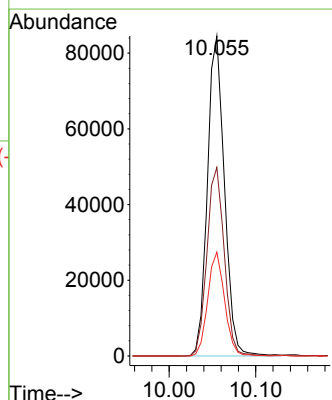
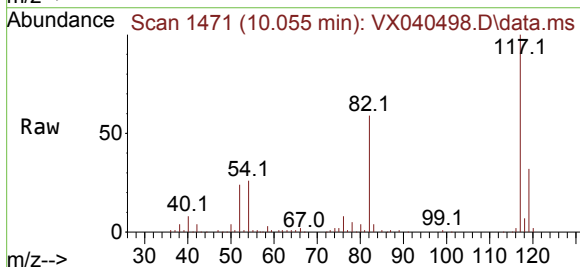
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20240221DL

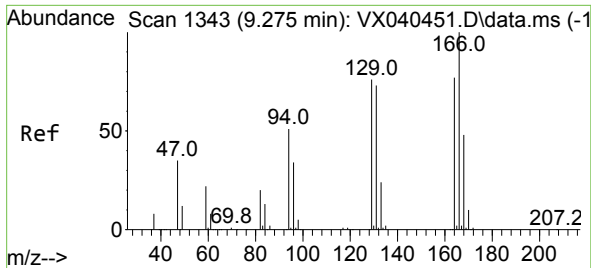
Tgt Ion: 95 Resp: 58439
Ion Ratio Lower Upper
95 100
174 73.0 0.0 135.6
176 71.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

Tgt Ion: 117 Resp: 115212
Ion Ratio Lower Upper
117 100
82 58.9 46.2 69.4
119 32.4 25.5 38.3

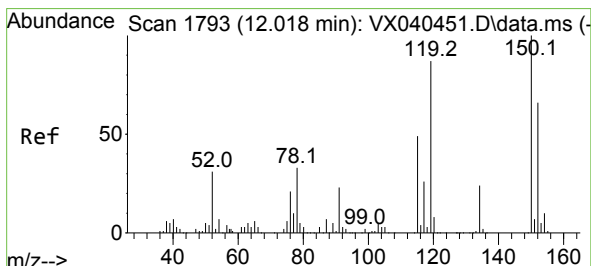
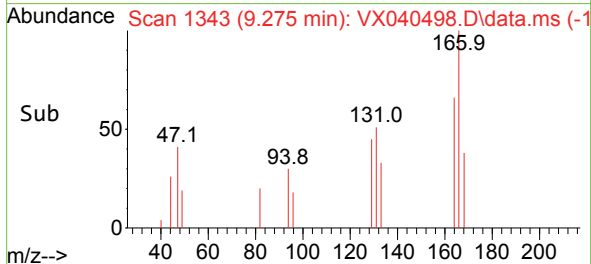
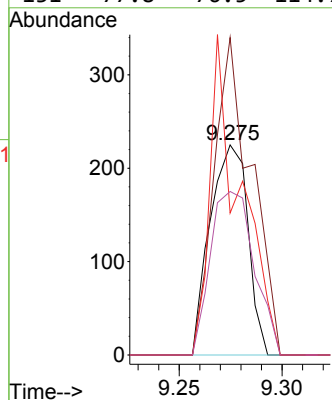
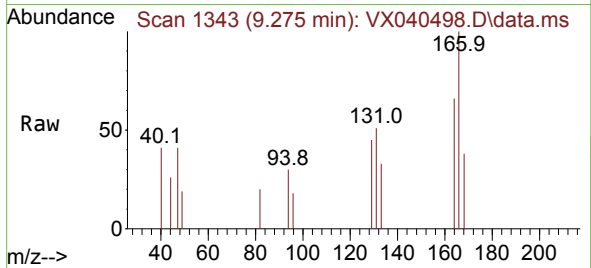




#64
Tetrachloroethene
Concen: 0.354 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

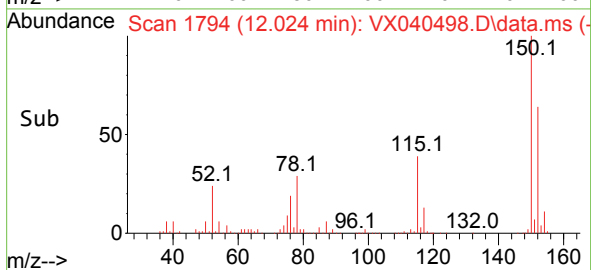
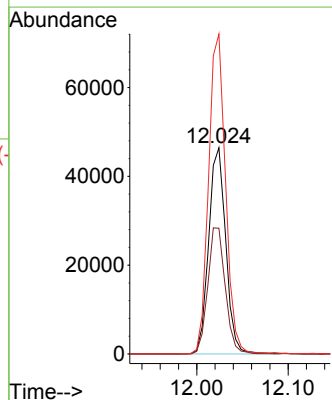
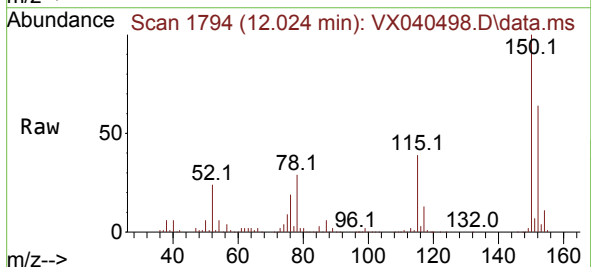
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20240221DL

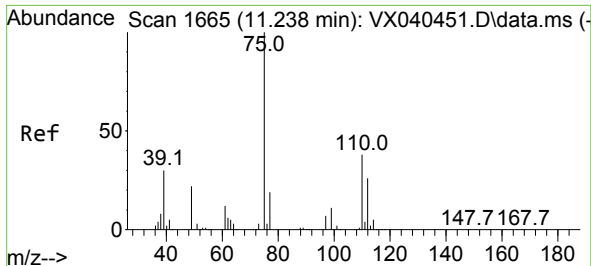
Tgt Ion:164 Resp: 286
Ion Ratio Lower Upper
164 100
166 151.1 102.7 154.1
129 67.6 80.4 120.6#
131 77.8 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

Tgt Ion:152 Resp: 60256
Ion Ratio Lower Upper
152 100
115 62.7 43.3 129.9
150 154.2 0.0 345.0

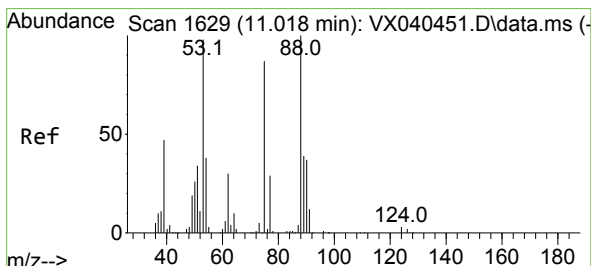
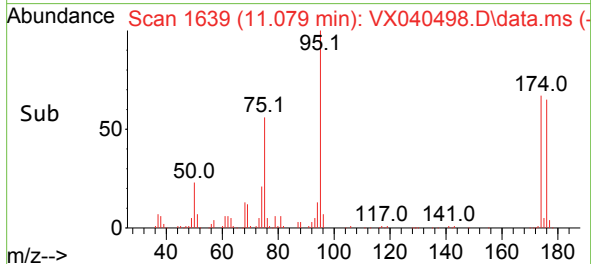
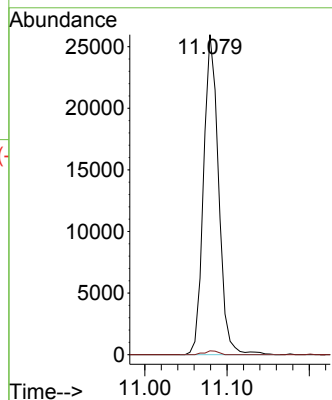
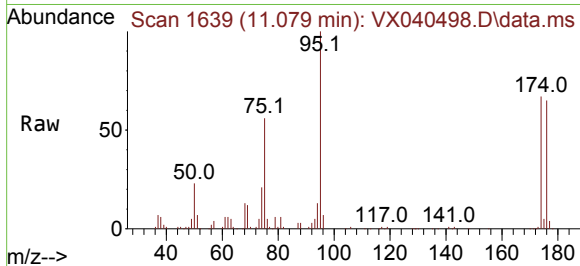




#76
1,2,3-Trichloropropane
Concen: 24.899 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20240221DL

Tgt Ion: 75 Resp: 33020
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.735 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040498.D
Acq: 27 Feb 2024 18:32

Tgt Ion: 75 Resp: 33020
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

