

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022924\
 Data File : VX040532.D
 Acq On : 29 Feb 2024 13:18
 Operator : JC/MD
 Sample : P1615-10DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20240226DL

Quant Time: Mar 01 03:46:39 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)

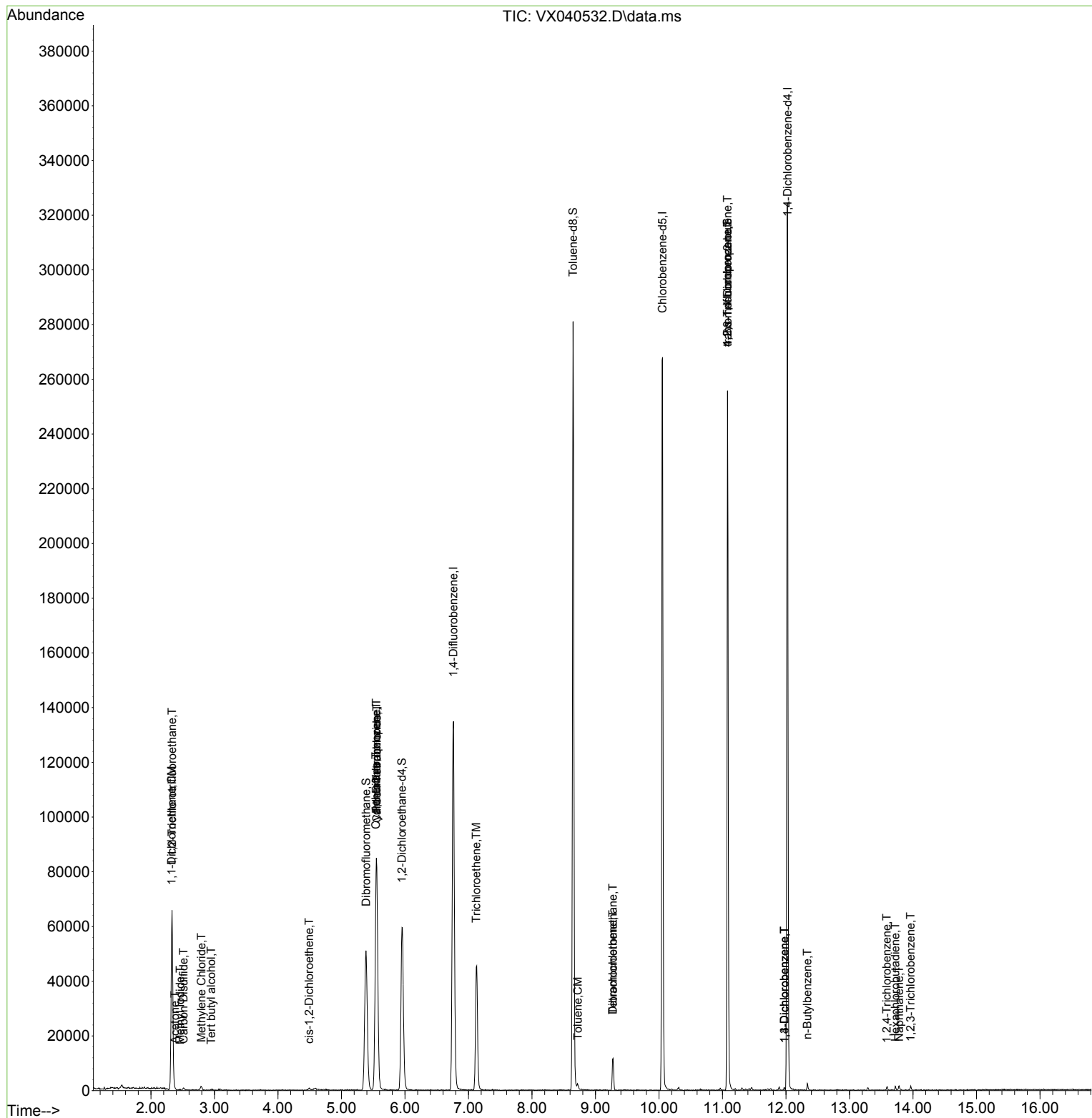
Internal Standards						
1) Pentafluorobenzene	5.550	168	76477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	129467	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61945	48.428	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.860%
35) Dibromofluoromethane	5.385	113	43471	48.285	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.560%
50) Toluene-d8	8.647	98	155852	47.690	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.380%
62) 4-Bromofluorobenzene	11.079	95	63116	50.666	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.340%
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	25044	28.857	ug/l	98
10) Methyl Iodide	2.459	142	25	3.032	ug/l #	34
11) Tert butyl alcohol	2.947	59	145	0.674	ug/l #	78
12) 1,1-Dichloroethene	2.325	96	240	0.275	ug/l #	91
16) Acetone	2.380	43	498	1.194	ug/l #	89
17) Carbon Disulfide	2.514	76	960	0.398	ug/l #	76
20) Methylene Chloride	2.794	84	764	0.765	ug/l #	65
27) cis-1,2-Dichloroethene	4.489	96	430	0.396	ug/l	74
31) Cyclohexane	5.544	56	1933	1.334	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	6959	5.017	ug/l #	47
38) Carbon Tetrachloride	5.556	117	8382	6.255	ug/l #	16
44) Trichloroethene	7.123	130	16297	16.136	ug/l	90
52) Toluene	8.720	92	778	0.338	ug/l	85
60) Dibromochloromethane	9.275	129	2302	2.216	ug/l #	11
64) Tetrachloroethene	9.275	164	2249	2.721	ug/l #	83
76) 1,2,3-Trichloropropane	11.079	75	36231	25.968	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	36231	75.597	ug/l #	5
87) 1,3-Dichlorobenzene	11.976	146	465	0.211	ug/l	80
88) 1,4-Dichlorobenzene	11.976	146	465	0.208	ug/l	81
89) n-Butylbenzene	12.335	91	989	0.248	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	464	0.339	ug/l	94
94) Hexachlorobutadiene	13.719	225	266	0.476	ug/l #	72
95) Naphthalene	13.780	128	1690	0.386	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.963	180	498	0.383	ug/l	85

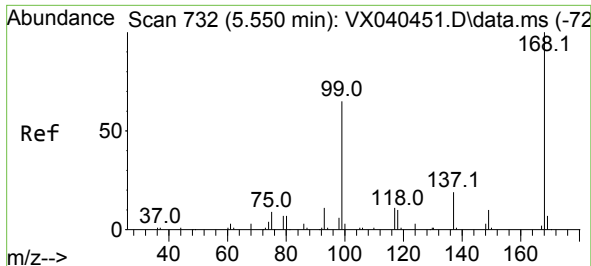
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
RE125D3-20240226DL

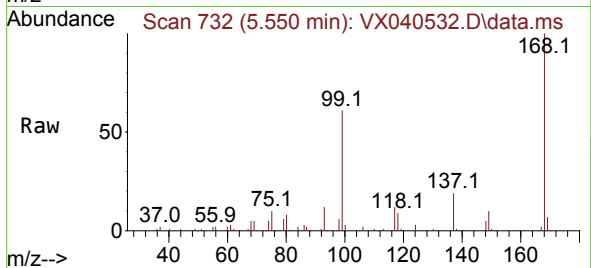
Quant Time: Mar 01 03:46:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
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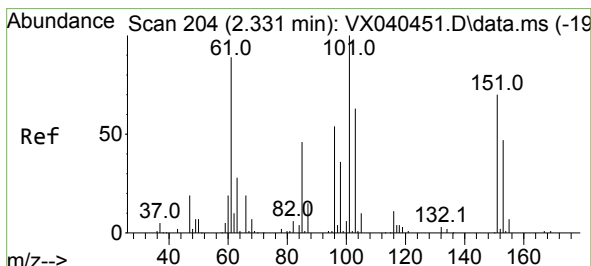
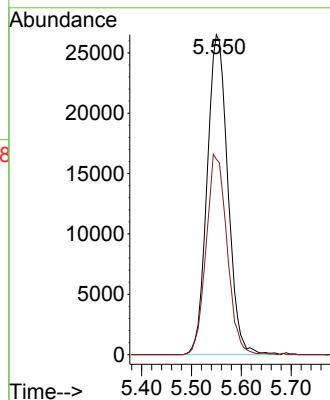
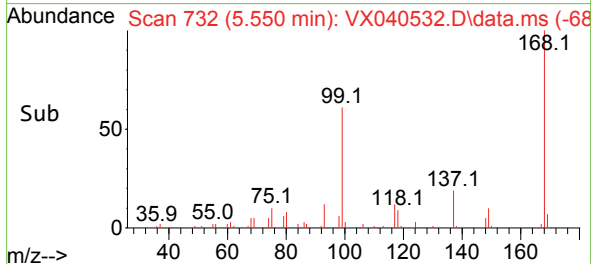


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20240226DL

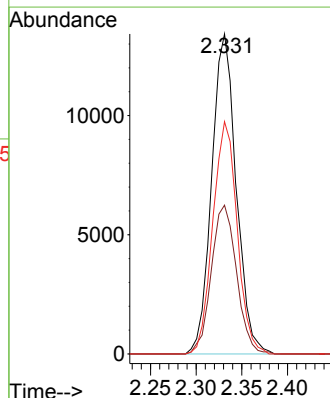
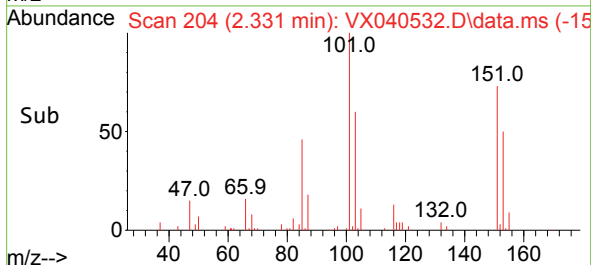
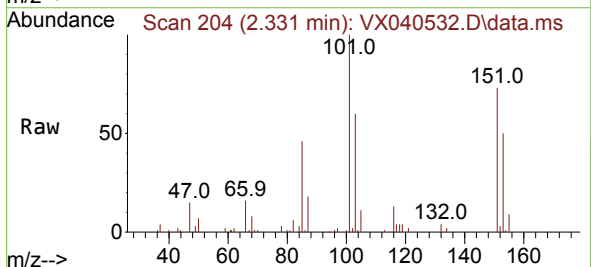


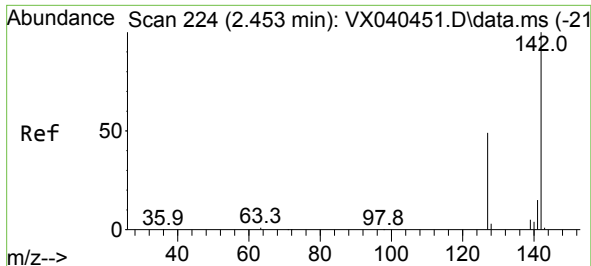
Tgt Ion:168 Resp: 76477
Ion Ratio Lower Upper
168 100
99 61.1 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 28.857 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

Tgt Ion:101 Resp: 25044
Ion Ratio Lower Upper
101 100
85 47.8 37.0 55.6
151 72.1 58.6 87.8

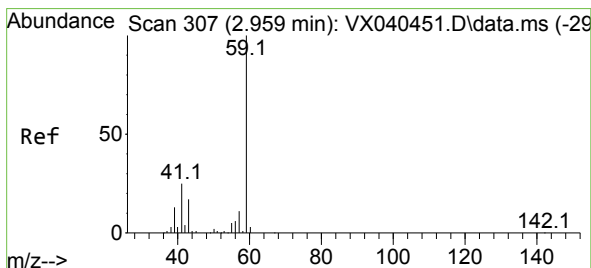
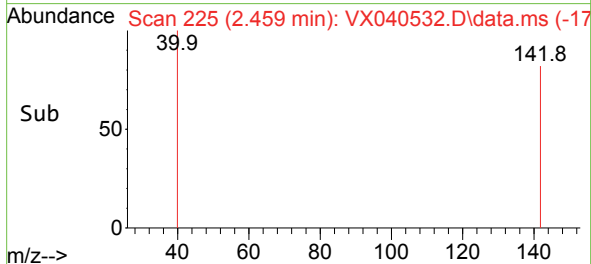
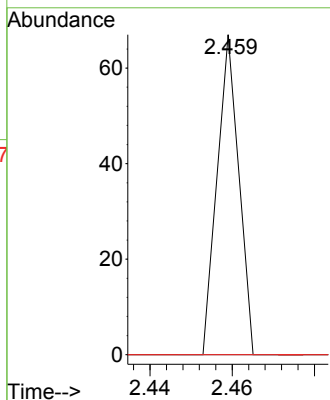
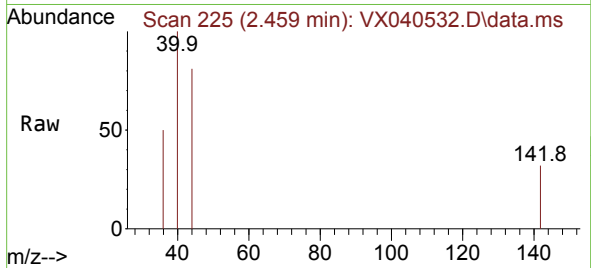




#10
Methyl Iodide
Concen: 3.032 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

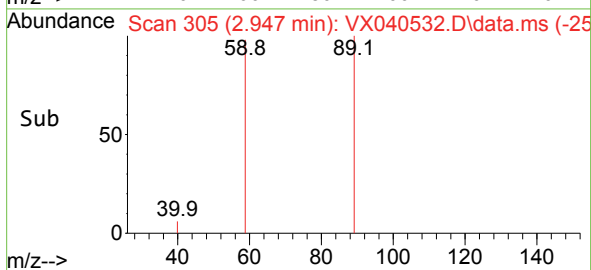
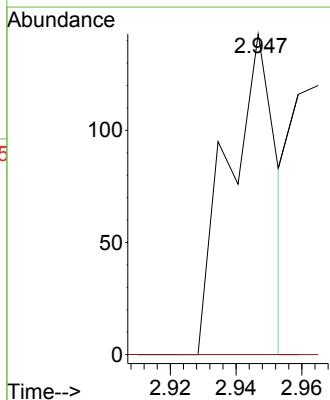
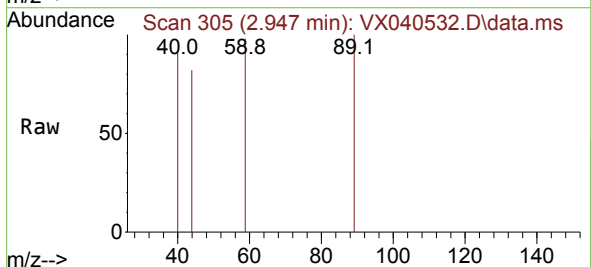
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20240226DL

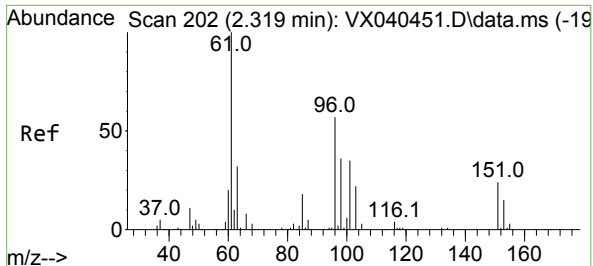
Tgt Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.674 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

Tgt Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.275 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX040532.D

Acq: 29 Feb 2024 13:18

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20240226DL

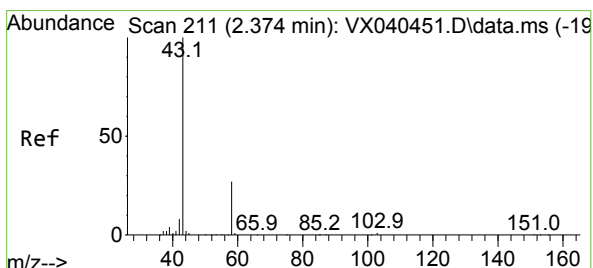
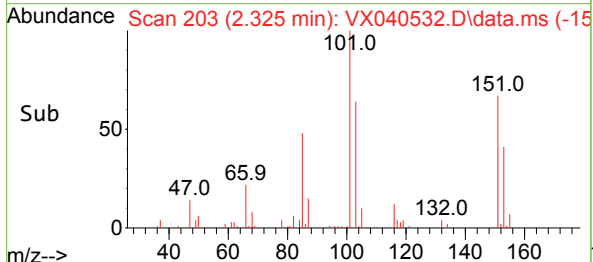
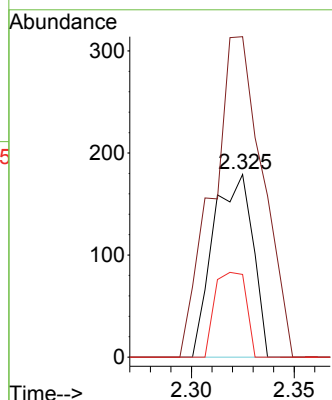
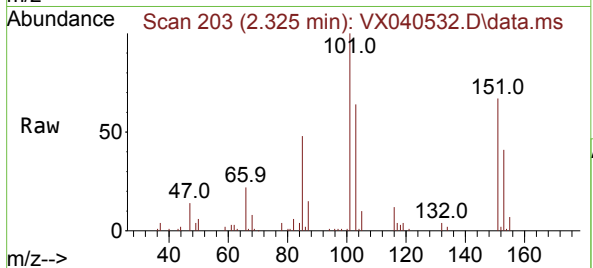
Tgt Ion: 96 Resp: 240

Ion Ratio Lower Upper

96 100

61 175.4 144.6 216.8

98 45.3 50.4 75.6#



#16

Acetone

Concen: 1.194 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX040532.D

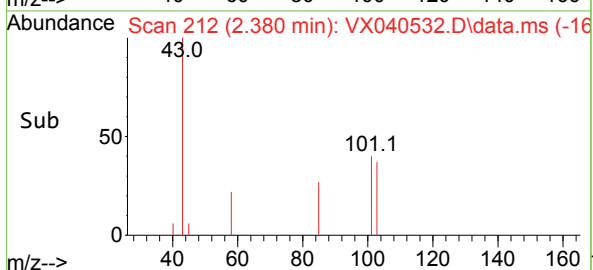
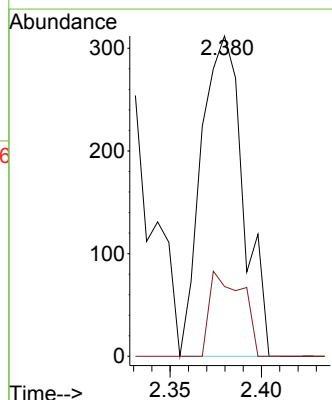
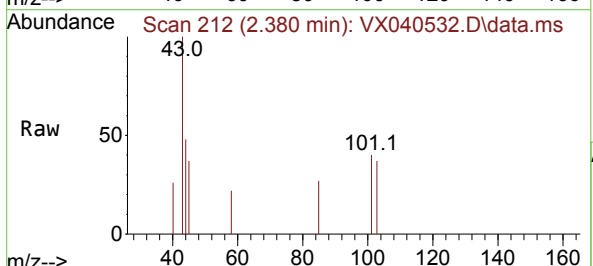
Acq: 29 Feb 2024 13:18

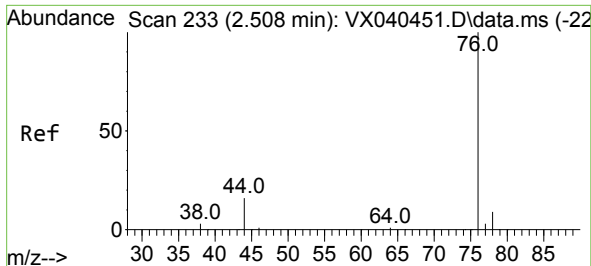
Tgt Ion: 43 Resp: 498

Ion Ratio Lower Upper

43 100

58 21.8 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.398 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040532.D

Acq: 29 Feb 2024 13:18

Instrument :

MSVOA_X

ClientSampleId :

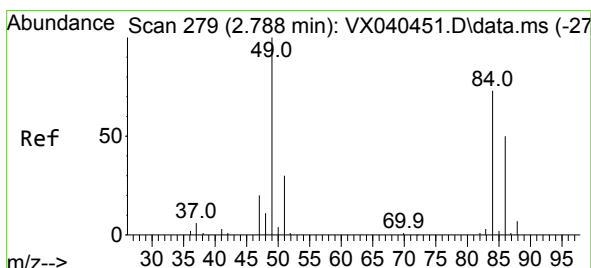
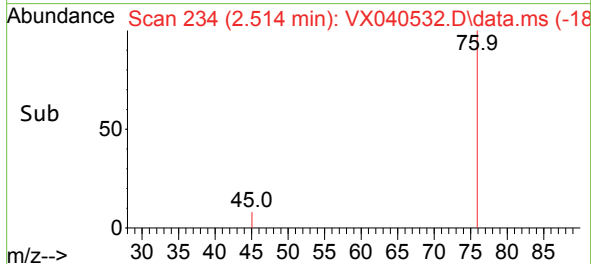
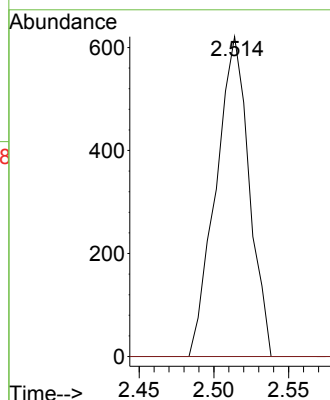
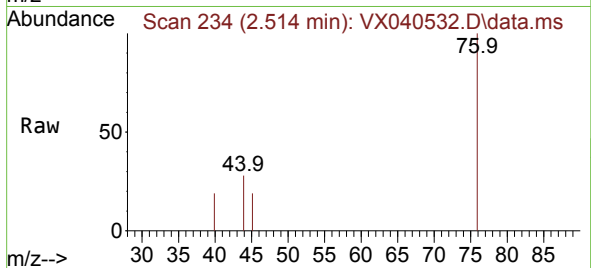
RE125D3-20240226DL

Tgt Ion: 76 Resp: 960

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.765 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040532.D

Acq: 29 Feb 2024 13:18

Tgt Ion: 84 Resp: 764

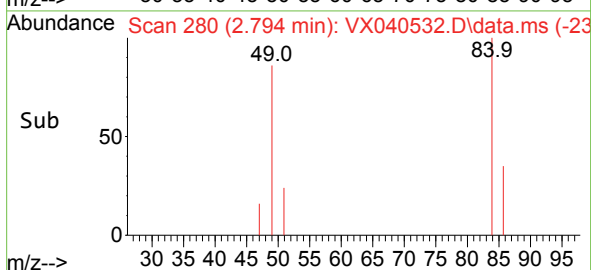
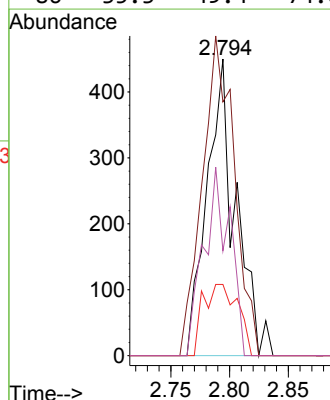
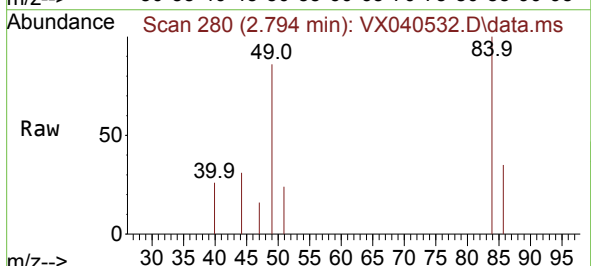
Ion Ratio Lower Upper

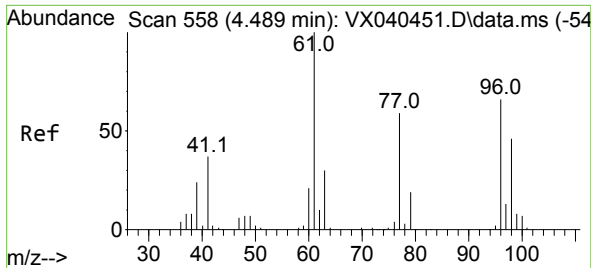
84 100

49 85.6 103.6 155.4#

51 24.0 33.8 50.6#

86 35.3 49.4 74.0#

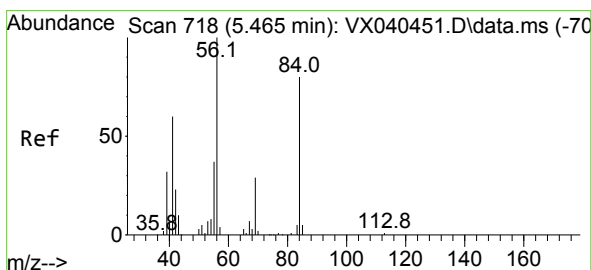
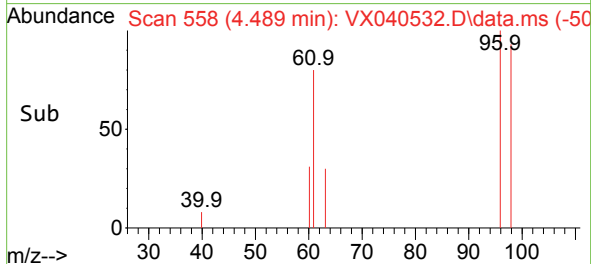
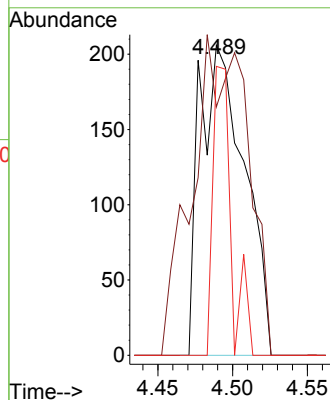
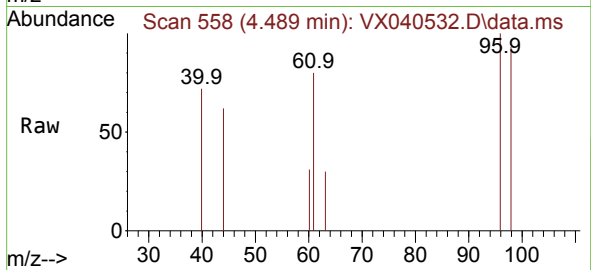




#27
 cis-1,2-Dichloroethene
 Concen: 0.396 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX040532.D
 Acq: 29 Feb 2024 13:18

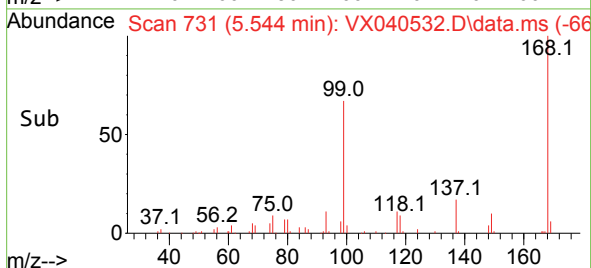
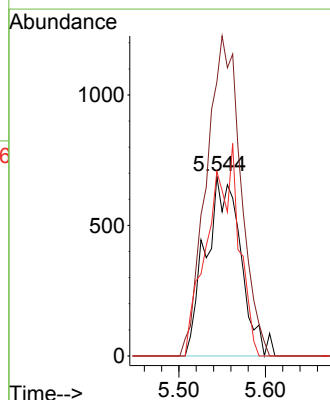
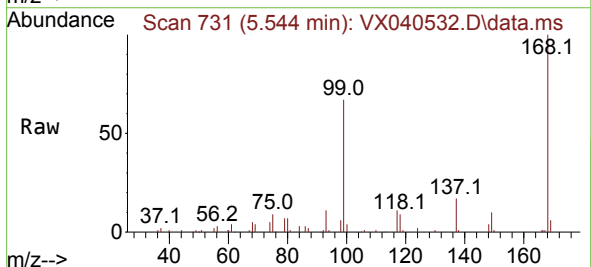
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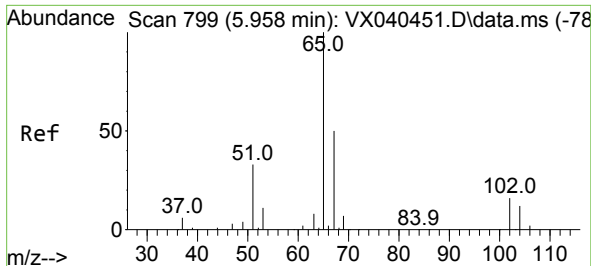
Tgt Ion: 96 Resp: 430
 Ion Ratio Lower Upper
 96 100
 61 127.0 0.0 312.2
 98 38.1 0.0 129.0



#31
 Cyclohexane
 Concen: 1.334 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. 0.079 min
 Lab File: VX040532.D
 Acq: 29 Feb 2024 13:18

Tgt Ion: 56 Resp: 1933
 Ion Ratio Lower Upper
 56 100
 69 152.5 23.4 35.2#
 84 102.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.428 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX040532.D

Acq: 29 Feb 2024 13:18

Instrument :

MSVOA_X

ClientSampleId :

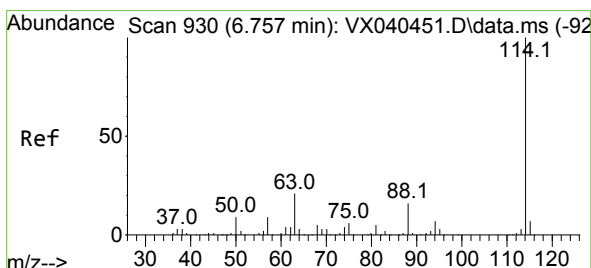
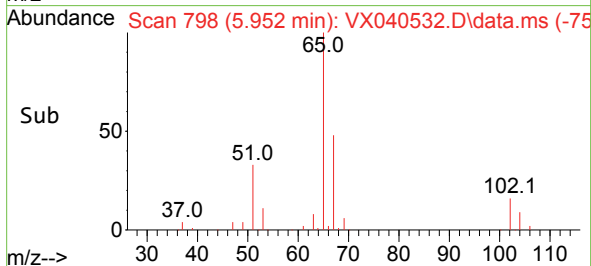
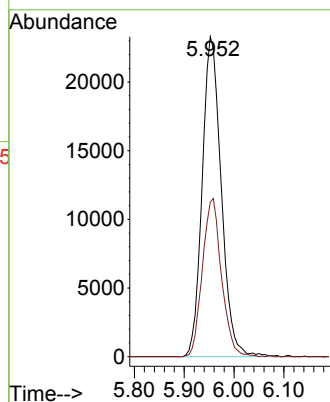
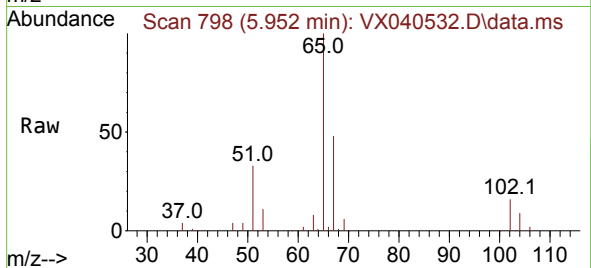
RE125D3-20240226DL

Tgt Ion: 65 Resp: 61945

Ion Ratio Lower Upper

65 100

67 49.5 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: VX040532.D

Acq: 29 Feb 2024 13:18

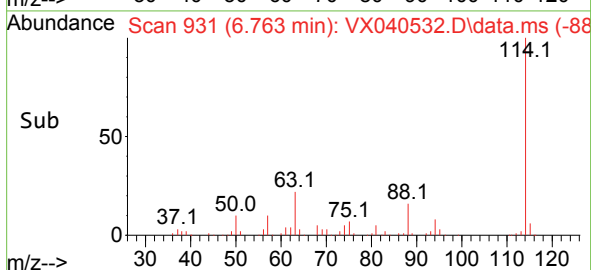
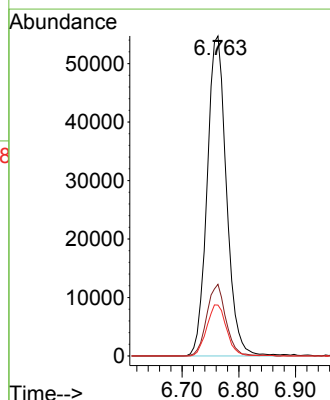
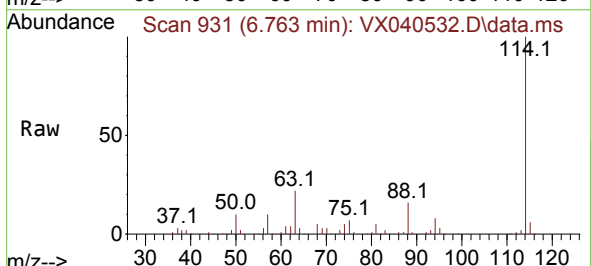
Tgt Ion:114 Resp: 129467

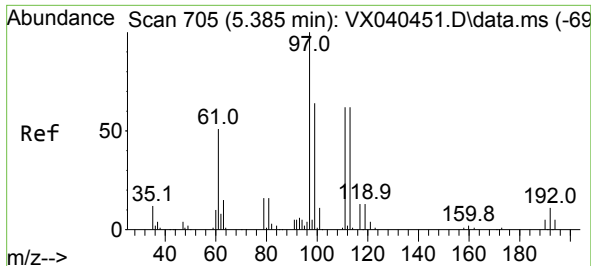
Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.0

88 15.9 0.0 36.6

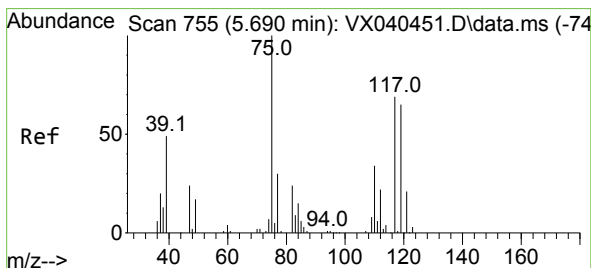
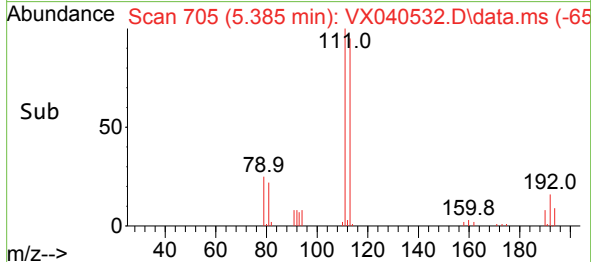
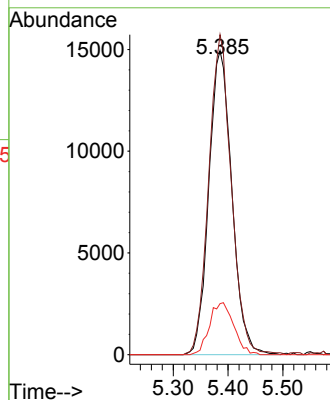
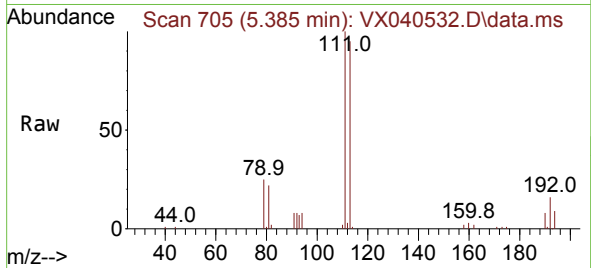




#35
Dibromofluoromethane
Concen: 48.285 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

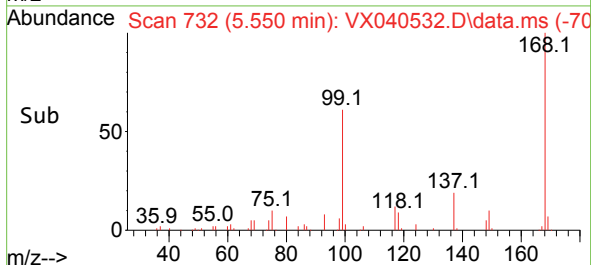
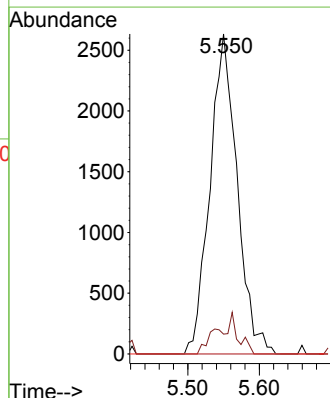
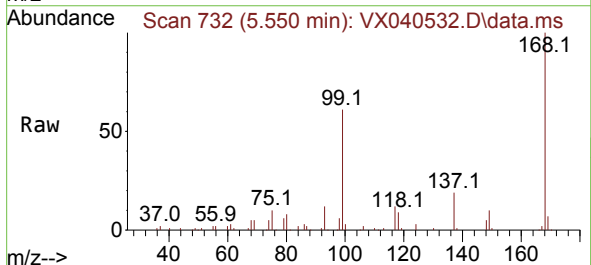
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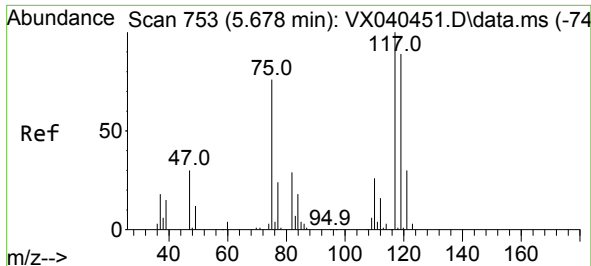
Tgt Ion:113 Resp: 43471
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.017 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

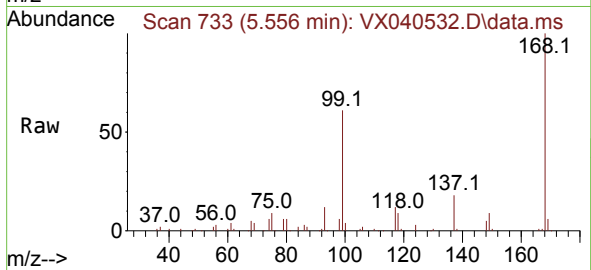
Tgt Ion: 75 Resp: 6959
Ion Ratio Lower Upper
75 100
110 4.8 17.0 50.9#
77 0.0 24.7 37.1#



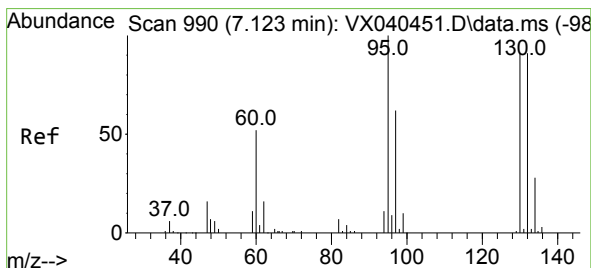
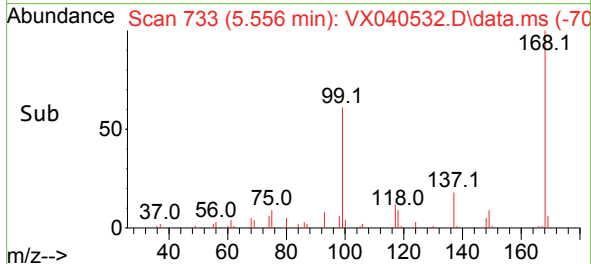
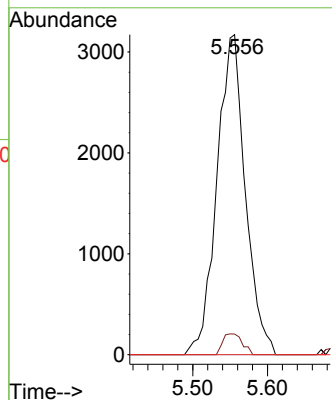


#38
Carbon Tetrachloride
Concen: 6.255 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.122 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20240226DL

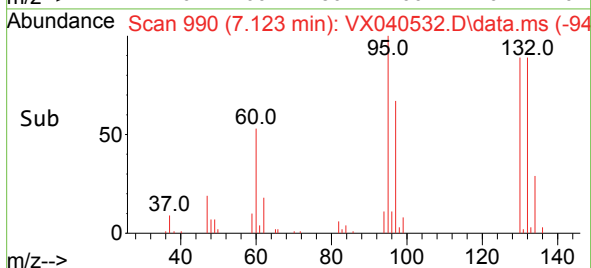
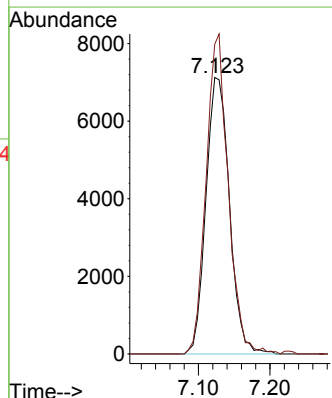
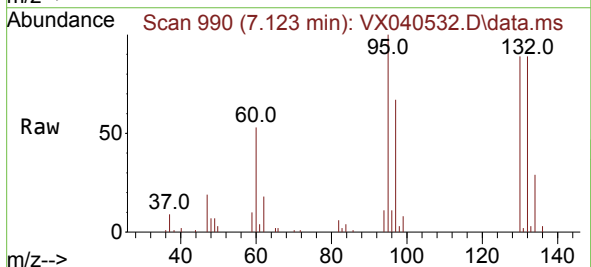


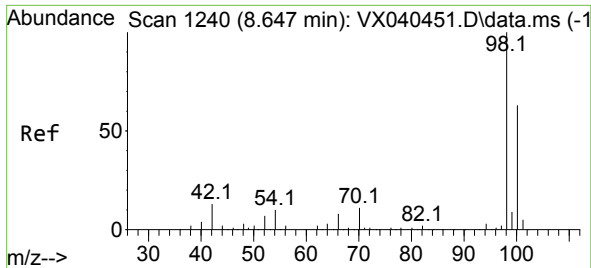
Tgt Ion:117 Resp: 8382
Ion Ratio Lower Upper
117 100
119 6.4 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 16.136 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

Tgt Ion:130 Resp: 16297
Ion Ratio Lower Upper
130 100
95 112.0 0.0 204.4

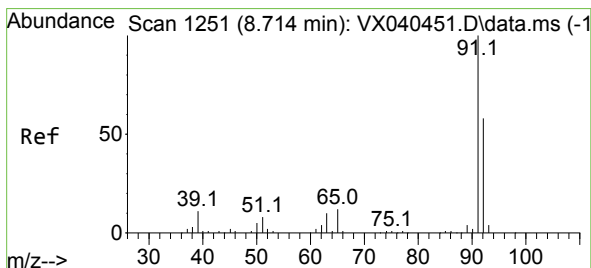
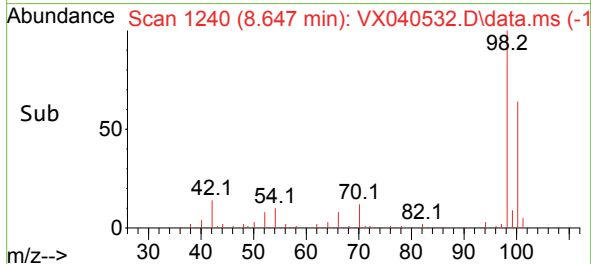
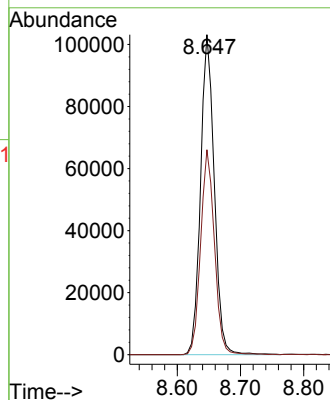
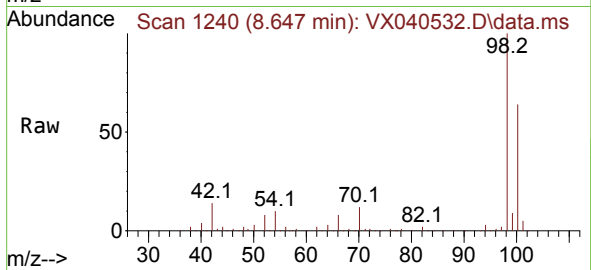




#50
Toluene-d8
Concen: 47.690 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

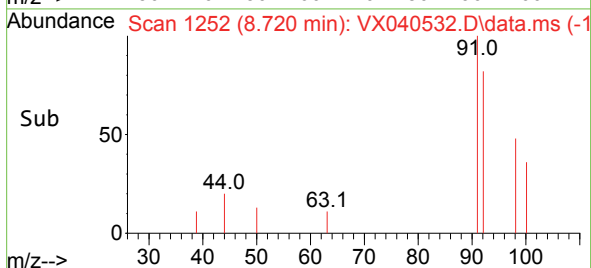
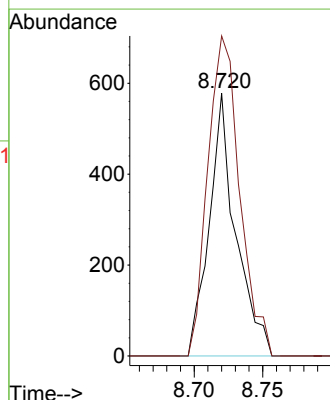
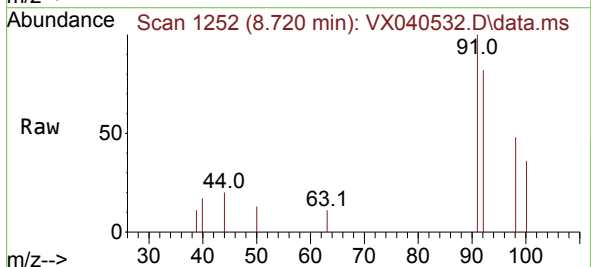
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20240226DL

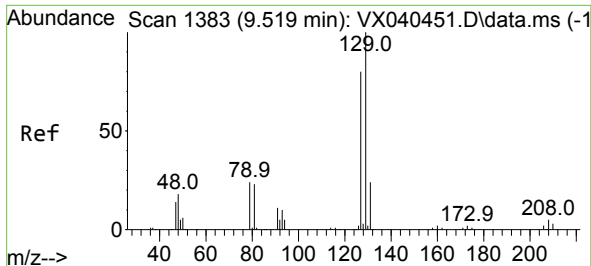
Tgt Ion: 98 Resp: 155852
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7



#52
Toluene
Concen: 0.338 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

Tgt Ion: 92 Resp: 778
Ion Ratio Lower Upper
92 100
91 146.9 134.2 201.2

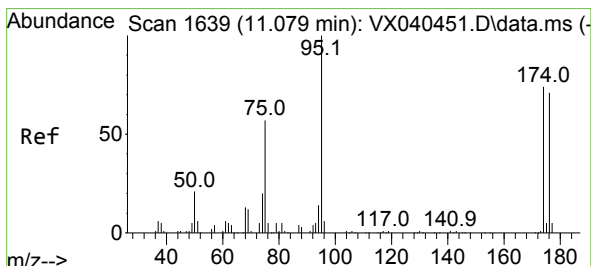
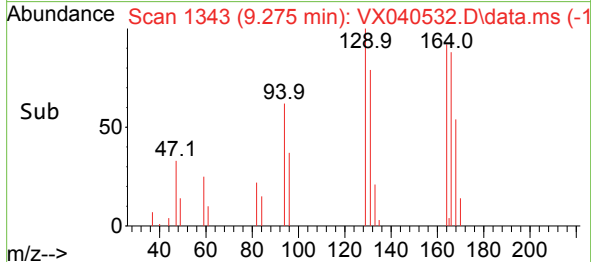
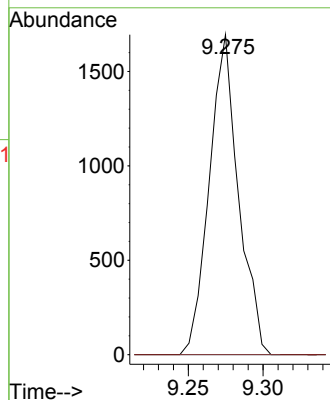
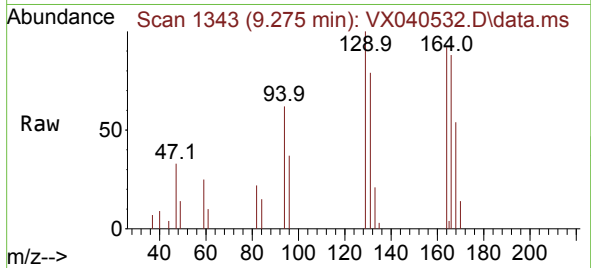




#60
Dibromochloromethane
Concen: 2.216 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

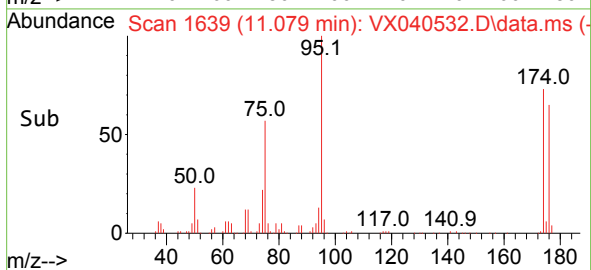
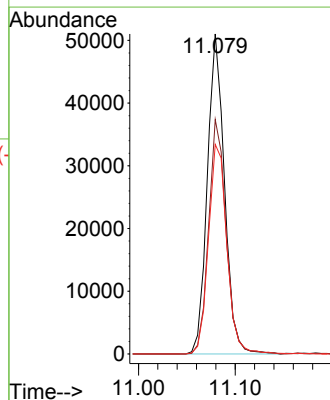
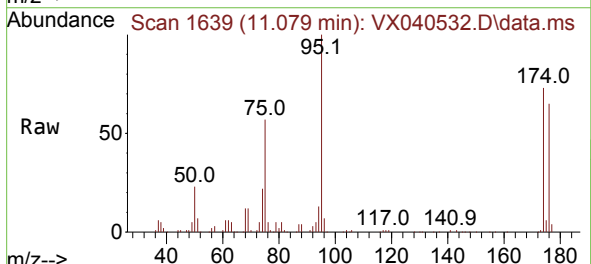
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20240226DL

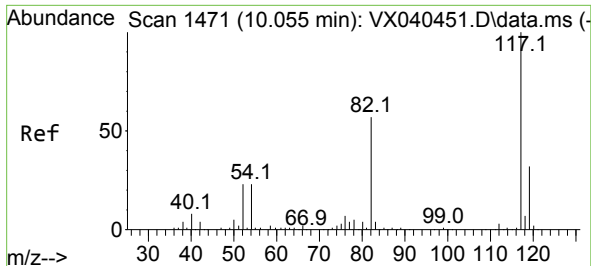
Tgt Ion:129 Resp: 2302
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.666 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

Tgt Ion: 95 Resp: 63116
Ion Ratio Lower Upper
95 100
174 74.4 0.0 135.6
176 70.3 0.0 131.0

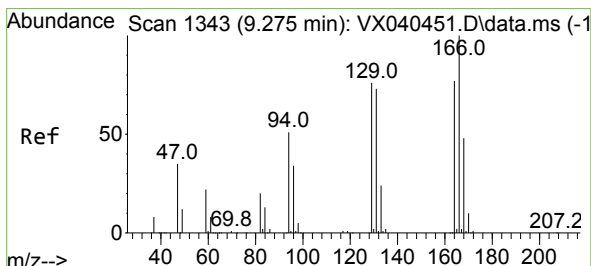
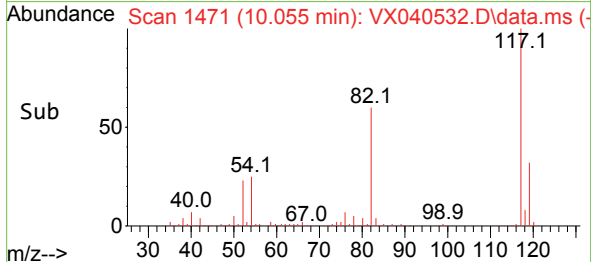
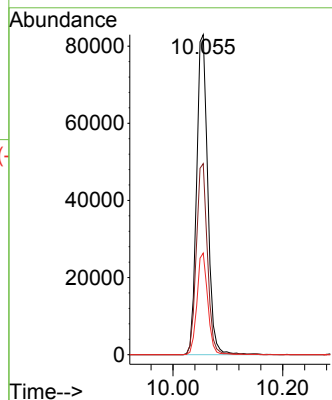
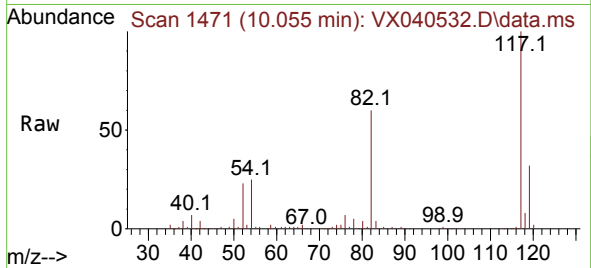




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

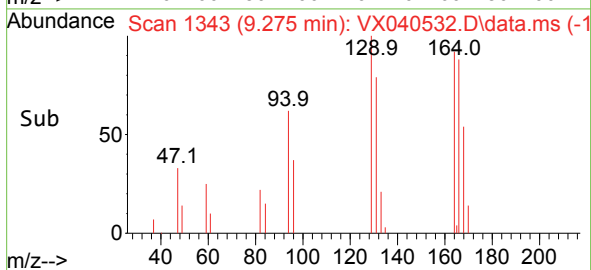
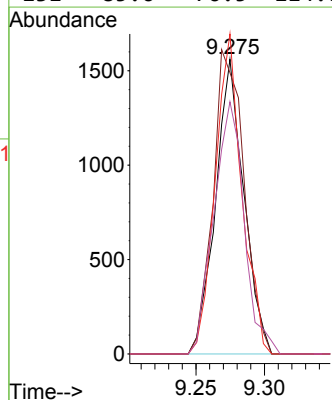
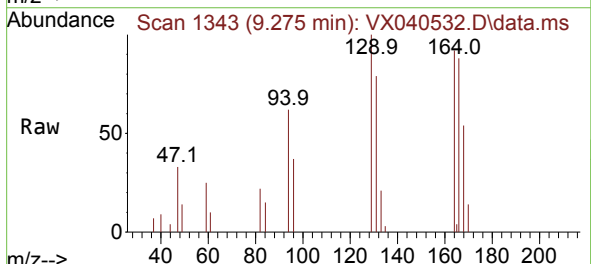
Instrument : MSVOA_X
ClientSampleId : RE125D3-20240226DL

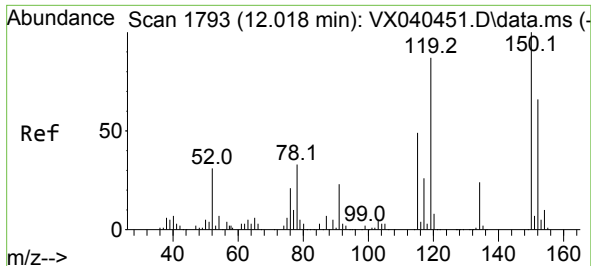
Tgt Ion:117 Resp: 117727
Ion Ratio Lower Upper
117 100
82 59.7 46.2 69.4
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 2.721 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

Tgt Ion:164 Resp: 2249
Ion Ratio Lower Upper
164 100
166 95.5 102.7 154.1#
129 108.6 80.4 120.6
131 85.6 76.5 114.7

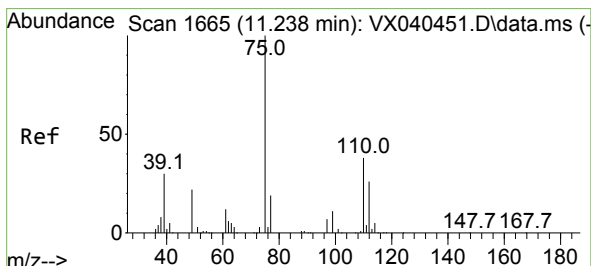
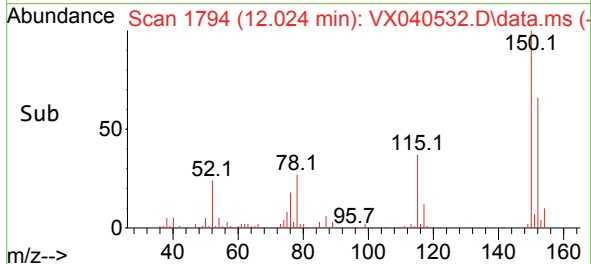
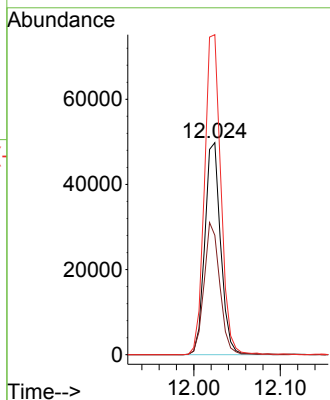
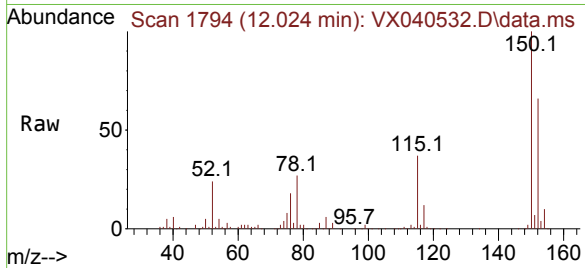




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

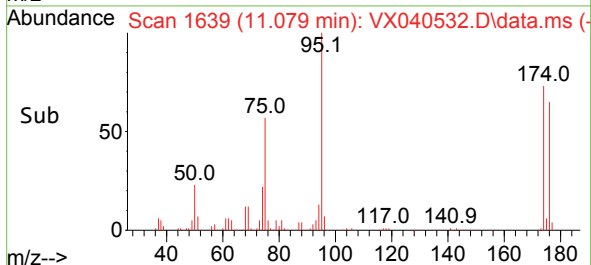
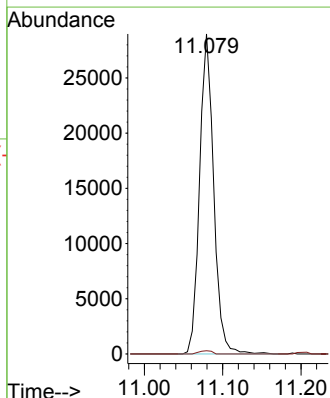
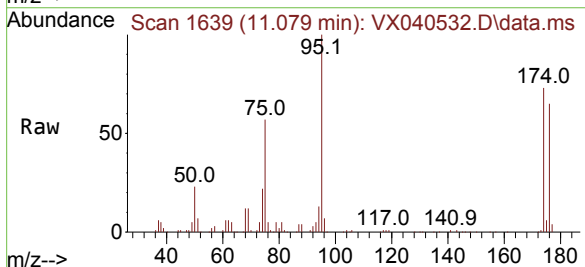
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20240226DL

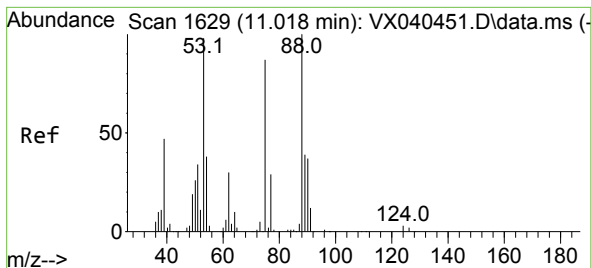
Tgt Ion:152 Resp: 63395
Ion Ratio Lower Upper
152 100
115 61.8 43.3 129.9
150 155.6 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 25.968 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

Tgt Ion: 75 Resp: 36231
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#

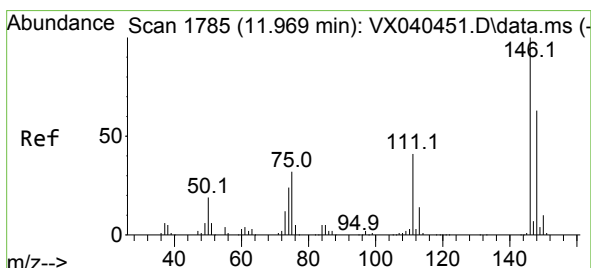
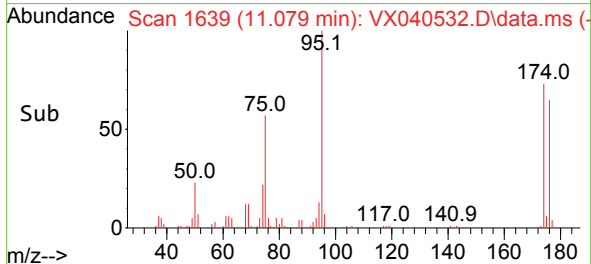
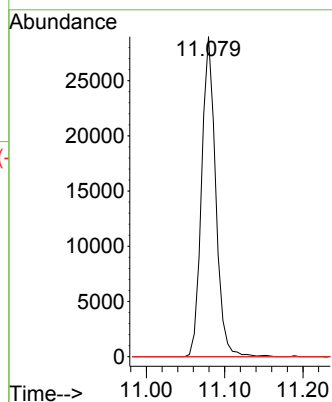
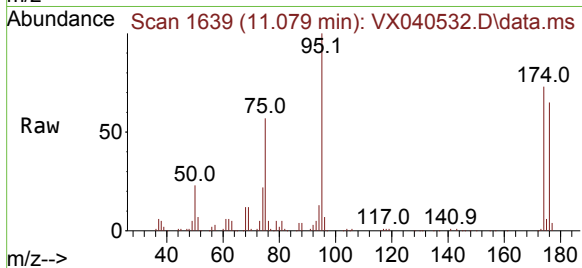




#81
trans-1,4-Dichloro-2-butene
Concen: 75.597 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

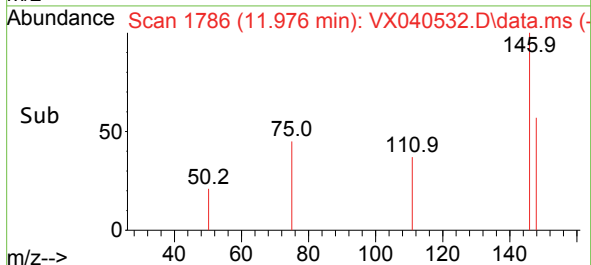
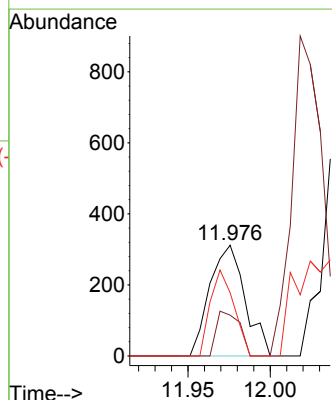
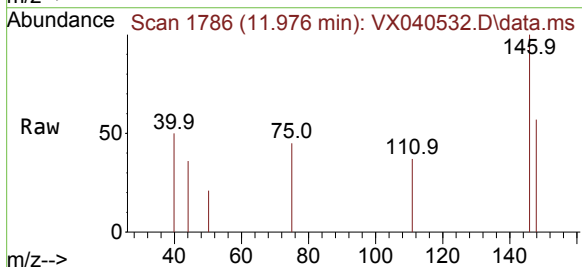
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20240226DL

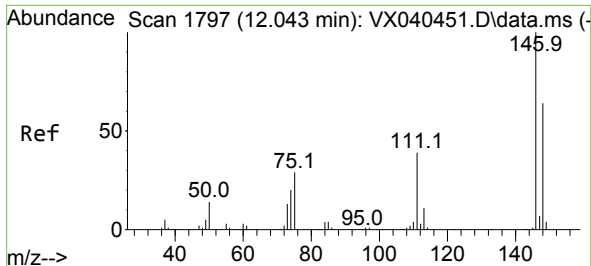
Tgt Ion: 75 Resp: 36231
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.211 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

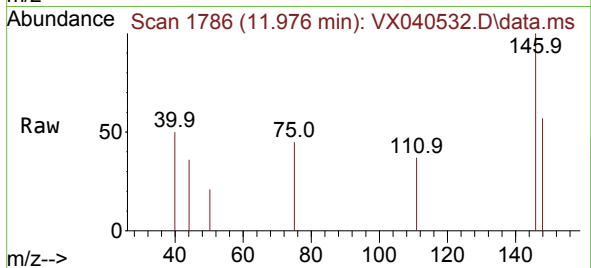
Tgt Ion:146 Resp: 465
Ion Ratio Lower Upper
146 100
111 26.5 22.1 66.1
148 51.8 31.8 95.3



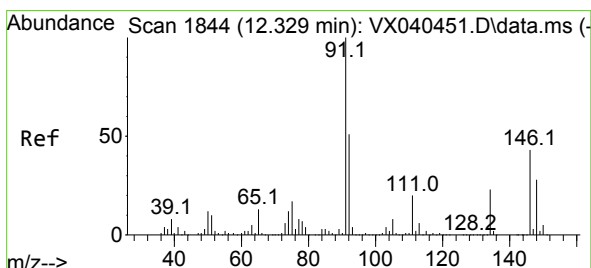
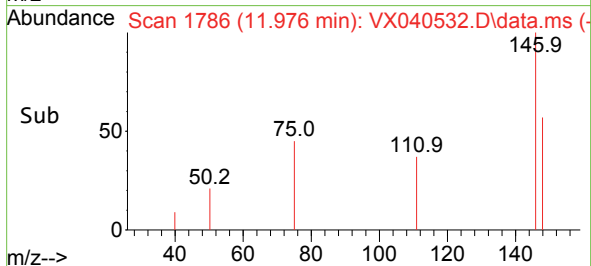
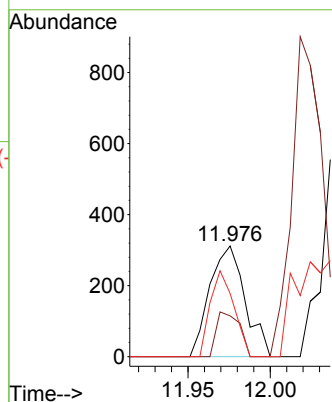


#88
1,4-Dichlorobenzene
Concen: 0.208 ug/l
RT: 11.976 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20240226DL

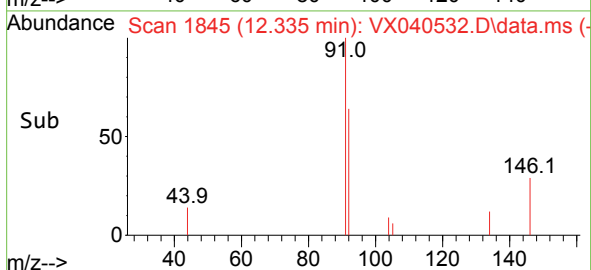
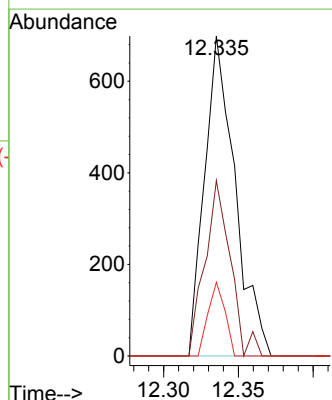
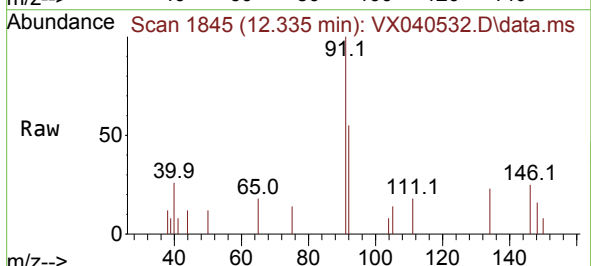


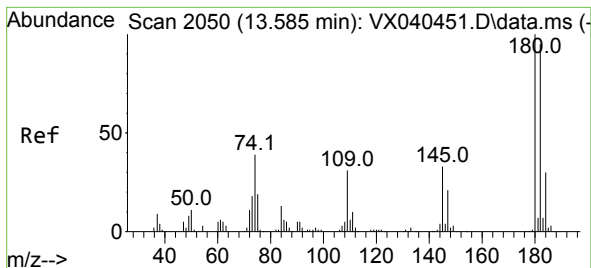
Tgt Ion:146 Resp: 465
Ion Ratio Lower Upper
146 100
111 26.5 21.3 63.7
148 51.8 31.8 95.4



#89
n-Butylbenzene
Concen: 0.248 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX040532.D
Acq: 29 Feb 2024 13:18

Tgt Ion: 91 Resp: 989
Ion Ratio Lower Upper
91 100
92 45.8 27.4 82.0
134 12.7 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.339 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX040532.D

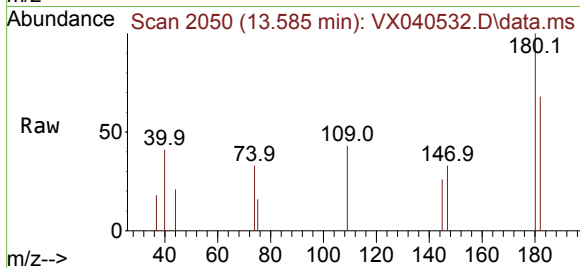
Acq: 29 Feb 2024 13:18

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20240226DL



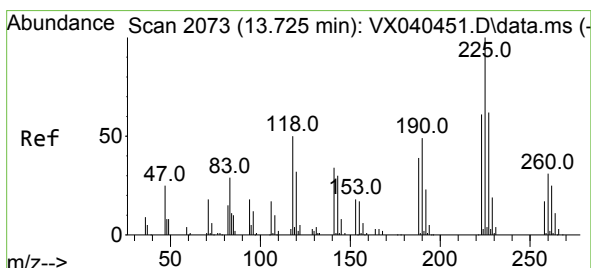
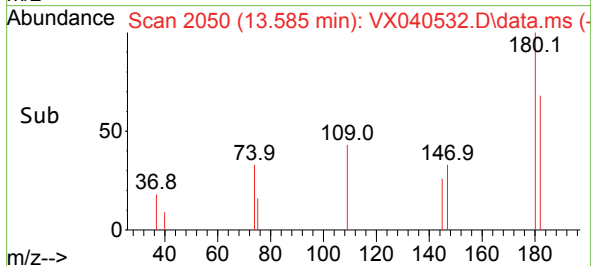
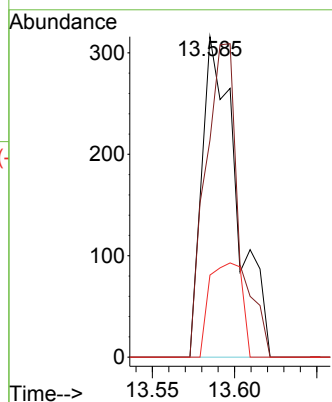
Tgt Ion:180 Resp: 464

Ion Ratio Lower Upper

180 100

182 93.3 48.3 144.8

145 27.6 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.476 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX040532.D

Acq: 29 Feb 2024 13:18

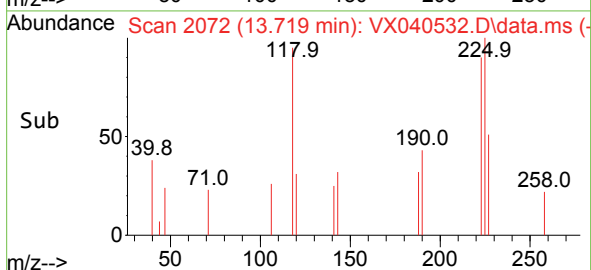
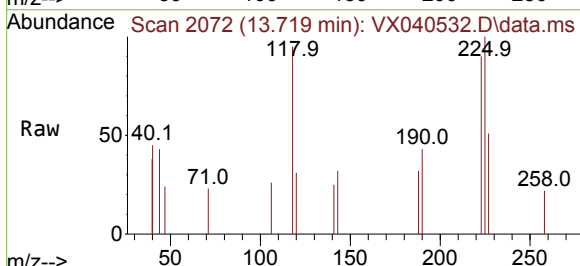
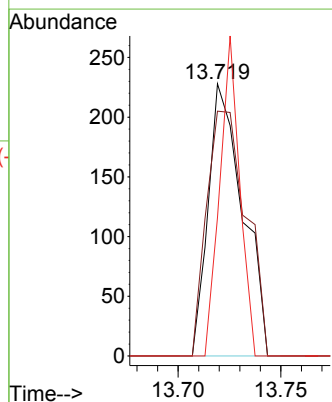
Tgt Ion:225 Resp: 266

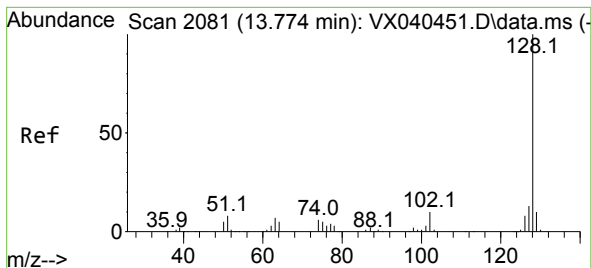
Ion Ratio Lower Upper

225 100

223 103.4 31.1 93.2#

227 67.7 32.5 97.5





#95

Naphthalene

Concen: 0.386 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX040532.D

Acq: 29 Feb 2024 13:18

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20240226DL

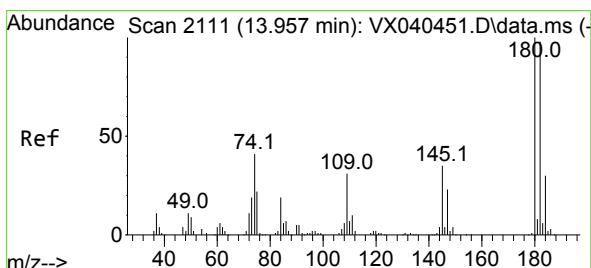
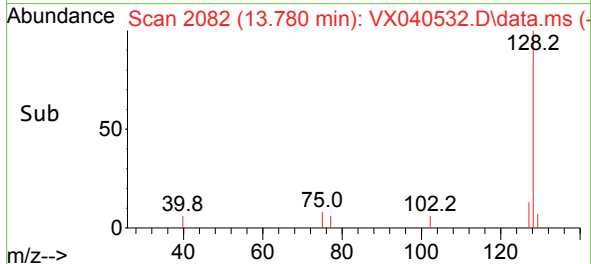
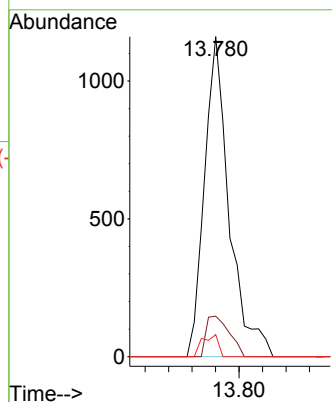
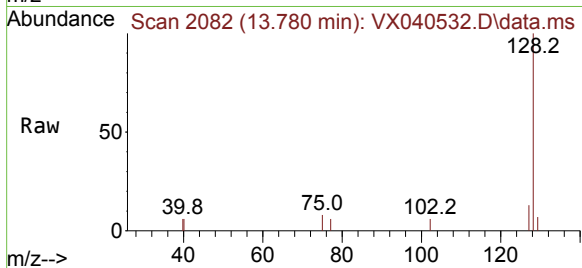
Tgt Ion:128 Resp: 1690

Ion Ratio Lower Upper

128 100

127 11.8 10.3 15.5

129 4.4 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.383 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX040532.D

Acq: 29 Feb 2024 13:18

Tgt Ion:180 Resp: 498

Ion Ratio Lower Upper

180 100

182 74.3 46.9 140.6

145 34.1 17.8 53.5

