

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030850.D
 Acq On : 27 Aug 2022 06:16
 Operator : JC/MD
 Sample : N4281-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20220818

Quant Time: Aug 27 06:47:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

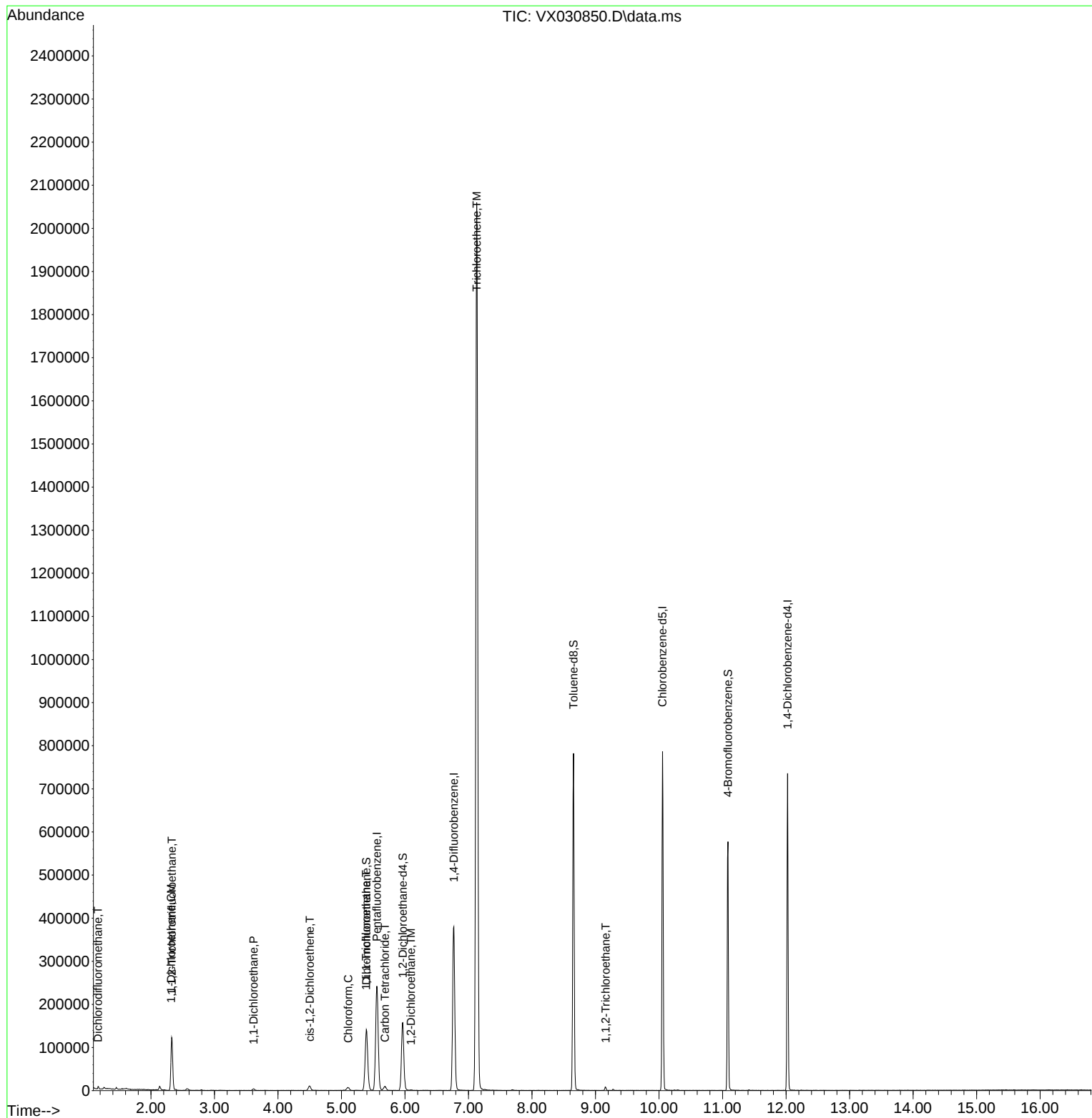
Internal Standards						
1) Pentafluorobenzene	5.556	168	227930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	394099	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	349630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	150110	55.989	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.980%	
35) Dibromofluoromethane	5.391	113	122174	50.442	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.880%	
50) Toluene-d8	8.653	98	462959	54.852	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.700%	
62) 4-Bromofluorobenzene	11.085	95	153602	48.883	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.760%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2891	1.369	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.331	101	36346	16.375	ug/l	97
12) 1,1-Dichloroethene	2.319	96	14789	7.158	ug/l	91
24) 1,1-Dichloroethane	3.617	63	4064	0.934	ug/l #	90
27) cis-1,2-Dichloroethene	4.501	96	6667	2.432	ug/l	94
30) Chloroform	5.105	83	8526	1.861	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	1912	0.516	ug/l #	46
38) Carbon Tetrachloride	5.684	117	8040	2.311	ug/l	91
42) 1,2-Dichloroethane	6.092	62	1156	0.330	ug/l	92
44) Trichloroethene	7.129	130	799204	280.340	ug/l	88
55) 1,1,2-Trichloroethane	9.159	97	2184	0.798	ug/l #	88

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

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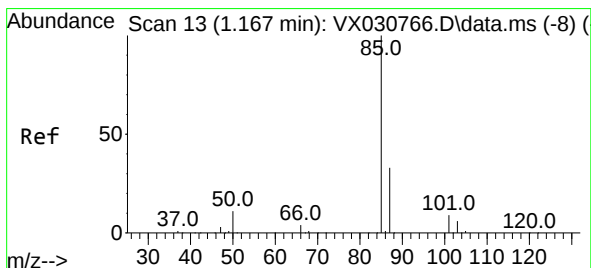
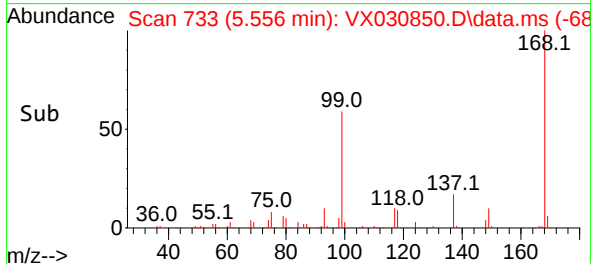
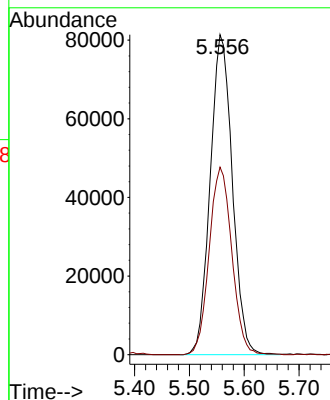
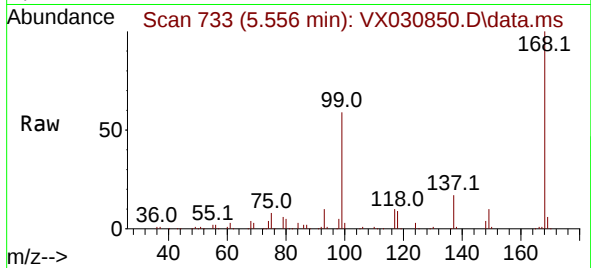




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

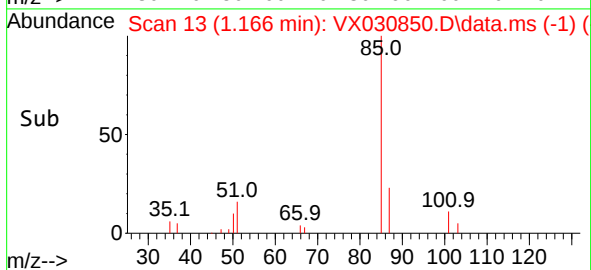
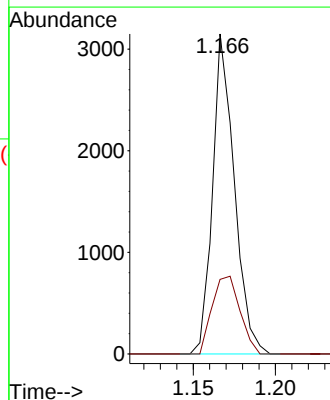
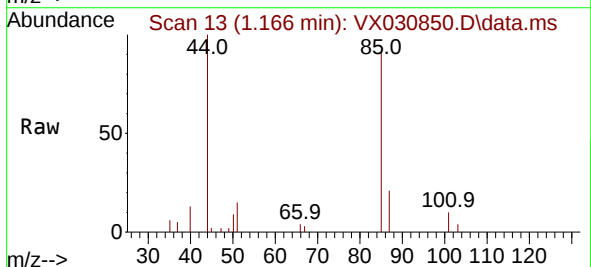
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220818

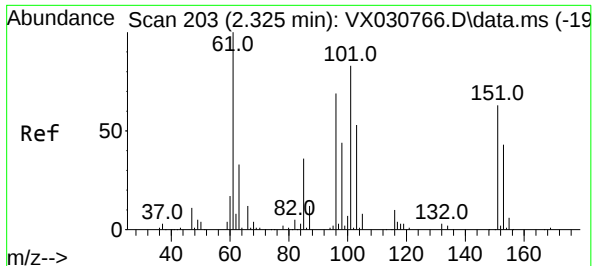
Tgt Ion:168 Resp: 227930
Ion Ratio Lower Upper
168 100
99 58.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 1.369 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

Tgt Ion: 85 Resp: 2891
Ion Ratio Lower Upper
85 100
87 23.3 16.5 49.5

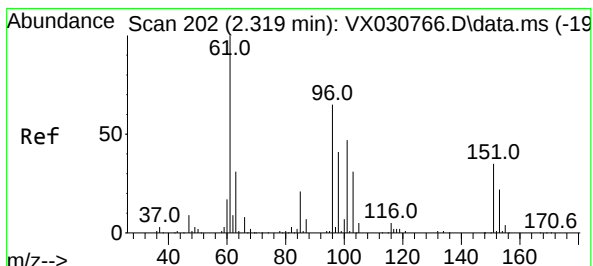
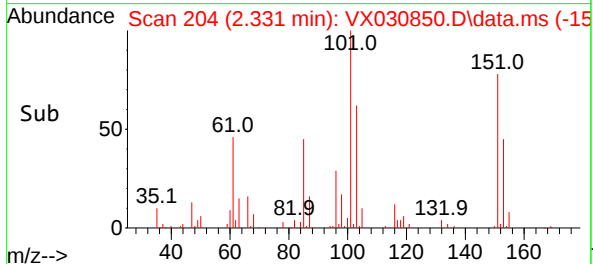
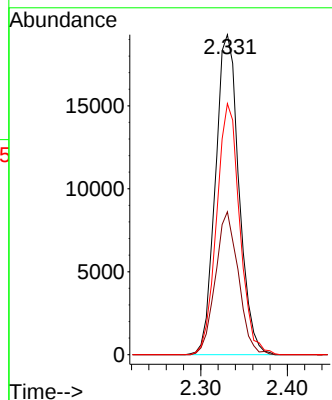
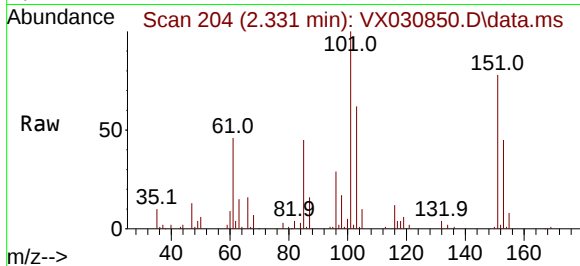




#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.375 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

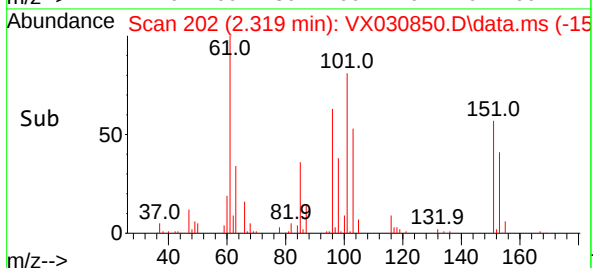
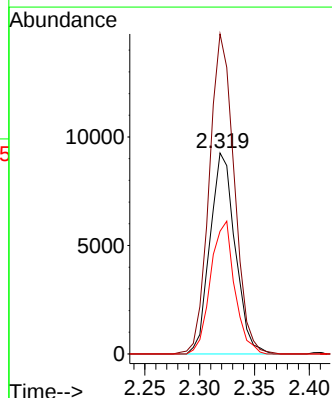
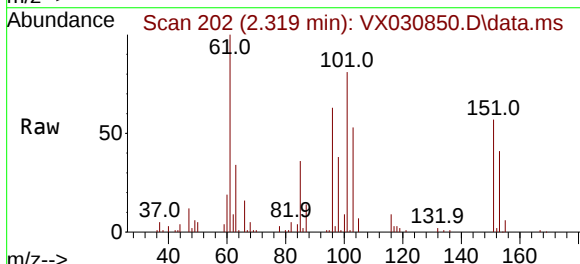
Instrument :
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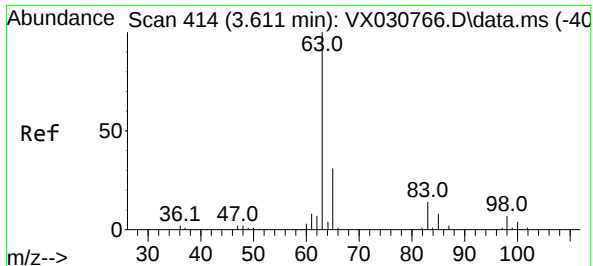
Tgt Ion:101 Resp: 36346
Ion Ratio Lower Upper
101 100
85 43.6 34.0 51.0
151 77.2 59.4 89.0



#12
1,1-Dichloroethene
Concen: 7.158 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

Tgt Ion: 96 Resp: 14789
Ion Ratio Lower Upper
96 100
61 159.3 117.4 176.0
98 61.1 52.2 78.4

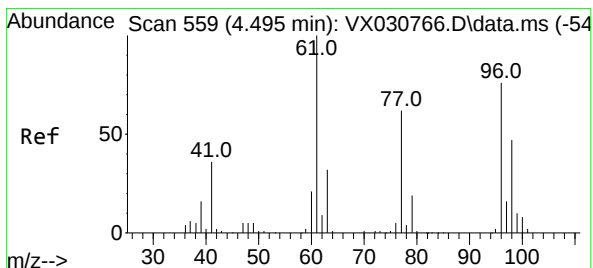
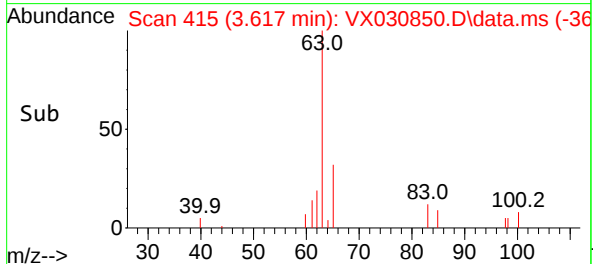
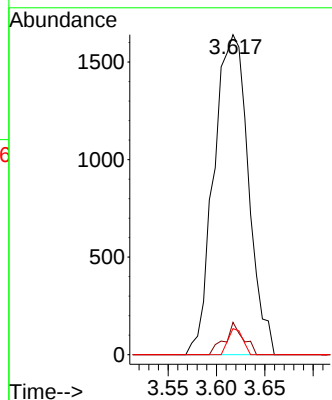
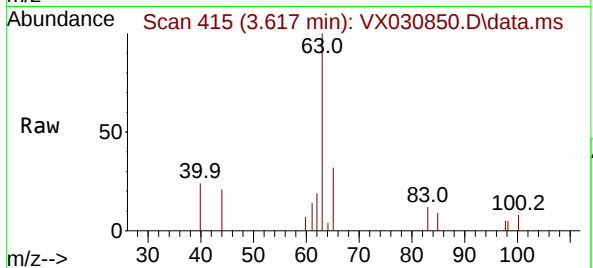




#24
 1,1-Dichloroethane
 Concen: 0.934 ug/l
 RT: 3.617 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX030850.D
 Acq: 27 Aug 2022 06:16

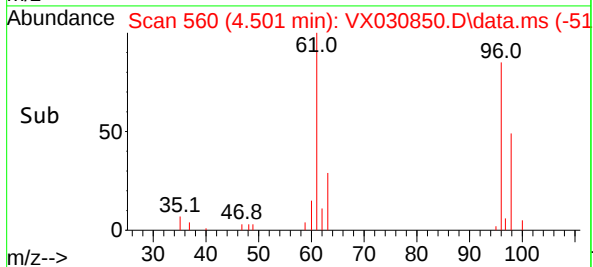
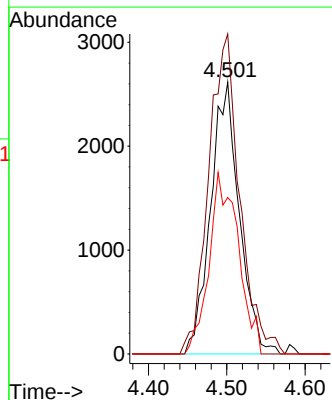
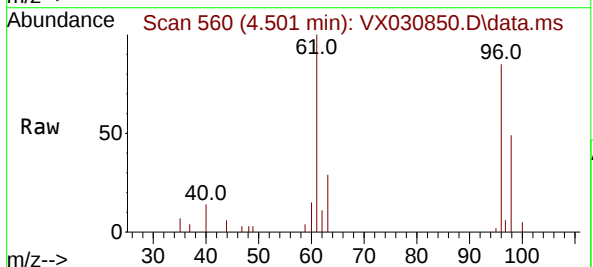
Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20220818

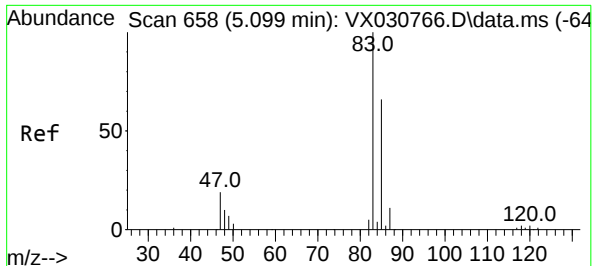
Tgt Ion: 63 Resp: 4064
 Ion Ratio Lower Upper
 63 100
 98 10.1 3.5 10.5
 100 8.2 2.3 6.9#



#27
 cis-1,2-Dichloroethene
 Concen: 2.432 ug/l
 RT: 4.501 min Scan# 560
 Delta R.T. 0.006 min
 Lab File: VX030850.D
 Acq: 27 Aug 2022 06:16

Tgt Ion: 96 Resp: 6667
 Ion Ratio Lower Upper
 96 100
 61 127.0 0.0 270.0
 98 67.9 0.0 127.8





#30

Chloroform

Concen: 1.861 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

Instrument :

MSVOA_X

ClientSampleId :

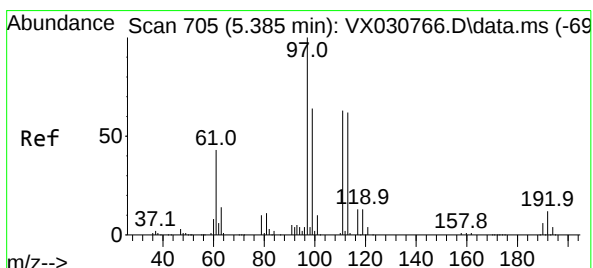
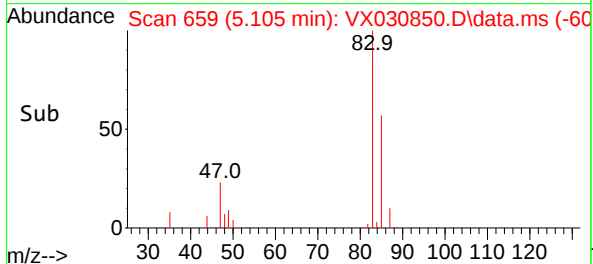
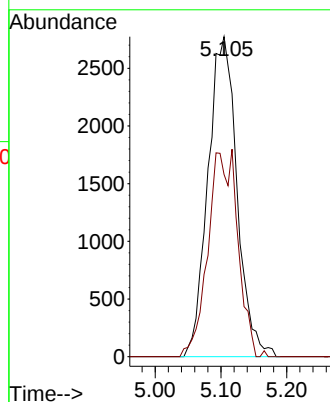
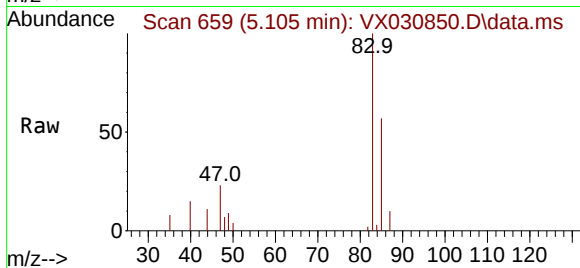
RE115D1-20220818

Tgt Ion: 83 Resp: 8526

Ion Ratio Lower Upper

83 100

85 57.0 51.5 77.3



#32

1,1,1-Trichloroethane

Concen: 0.516 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

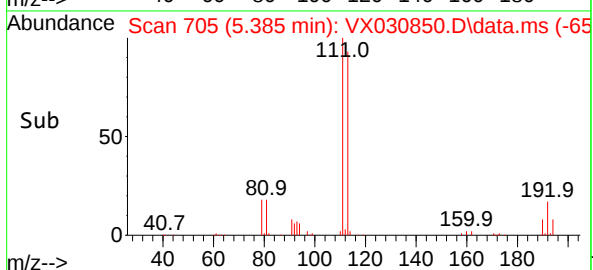
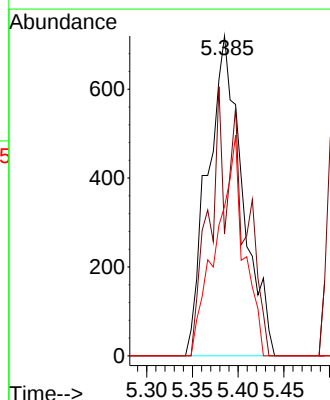
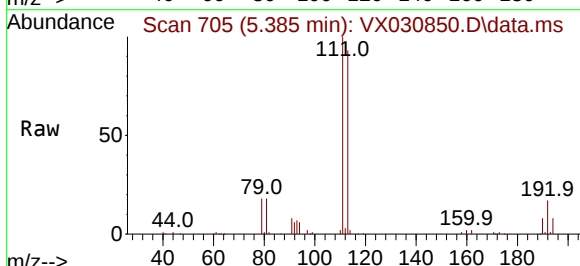
Tgt Ion: 97 Resp: 1912

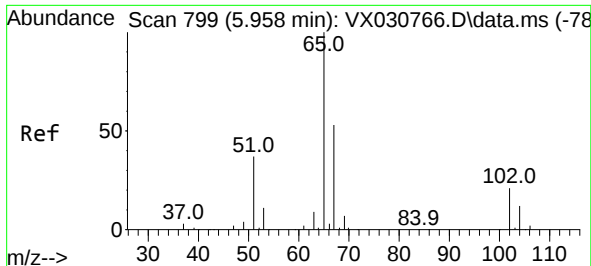
Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 54.6 35.8 53.8#





#33

1,2-Dichloroethane-d4

Concen: 55.989 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

Instrument :

MSVOA_X

ClientSampleId :

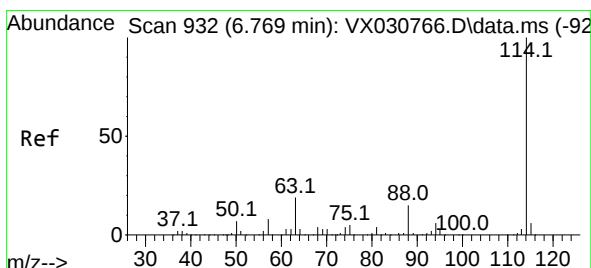
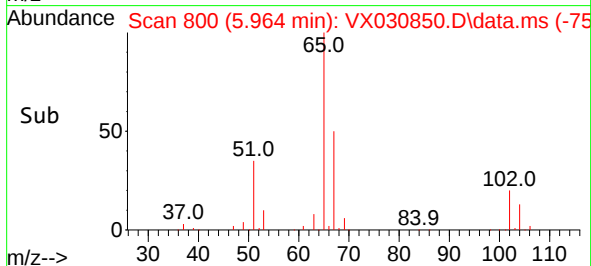
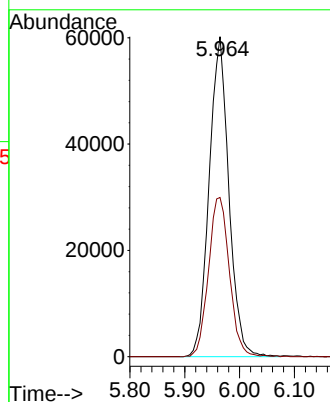
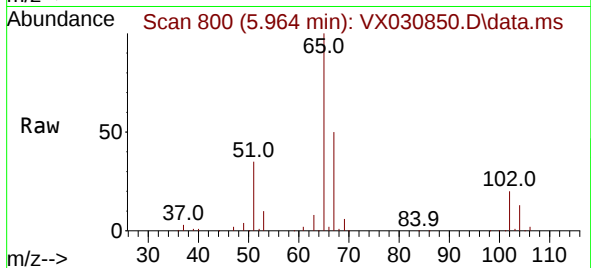
RE115D1-20220818

Tgt Ion: 65 Resp: 150110

Ion Ratio Lower Upper

65 100

67 52.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

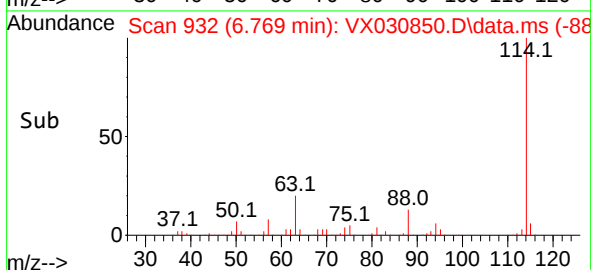
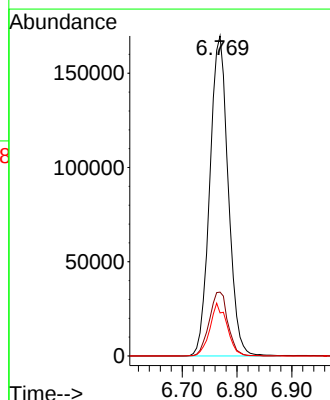
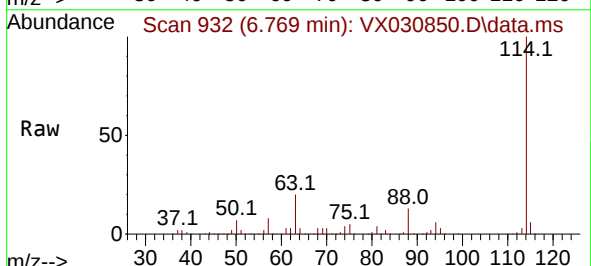
Tgt Ion: 114 Resp: 394099

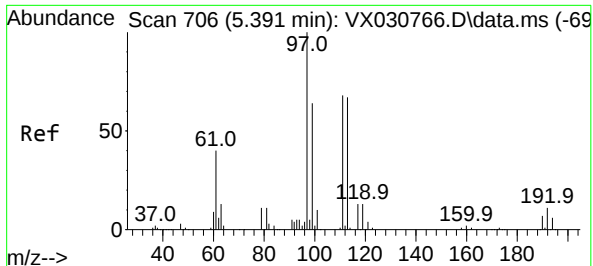
Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

88 13.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.442 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030850.D

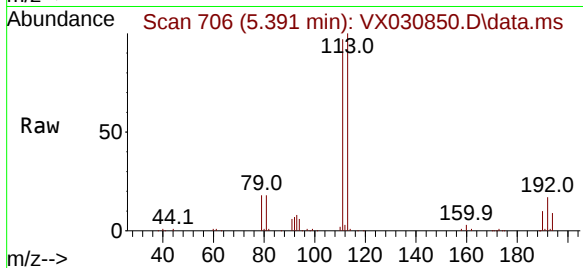
Acq: 27 Aug 2022 06:16

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MSVOA_X

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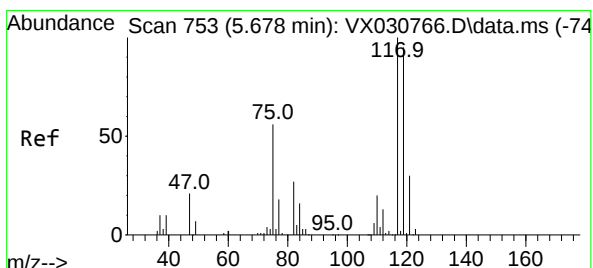
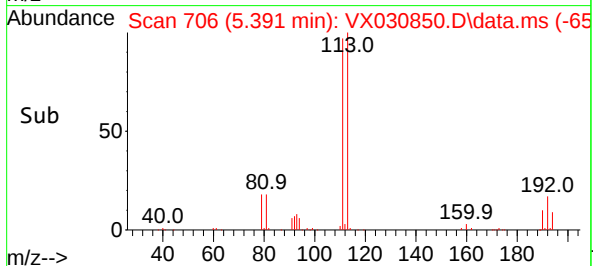
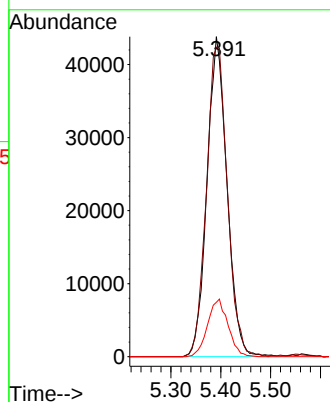
Tgt Ion:113 Resp: 122174

Ion Ratio Lower Upper

113 100

111 101.6 83.2 124.8

192 18.4 14.8 22.2



#38

Carbon Tetrachloride

Concen: 2.311 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

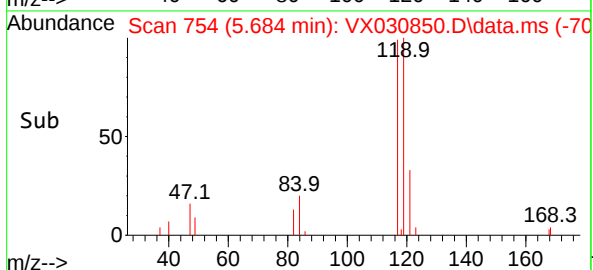
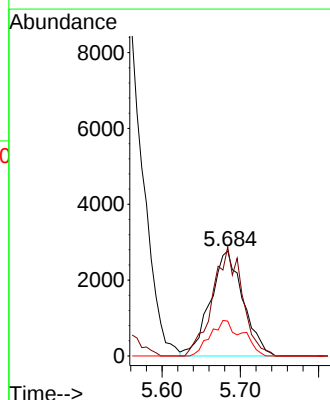
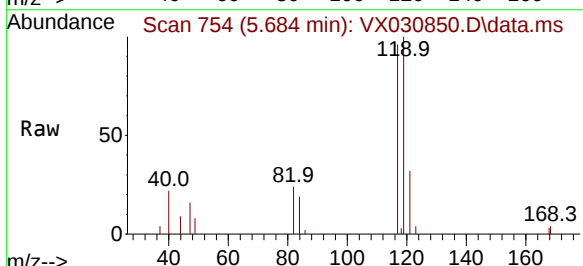
Tgt Ion:117 Resp: 8040

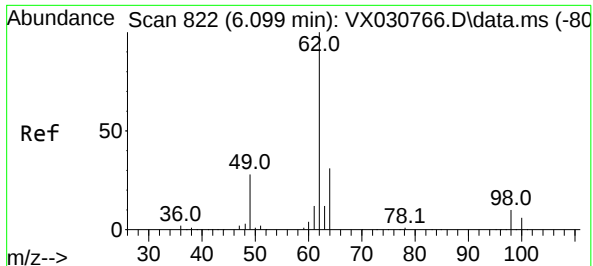
Ion Ratio Lower Upper

117 100

119 104.0 74.1 111.1

121 33.2 25.8 38.8





#42

1,2-Dichloroethane

Concen: 0.330 ug/l

RT: 6.092 min Scan# 81

Delta R.T. -0.007 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

Instrument :

MSVOA_X

ClientSampleId :

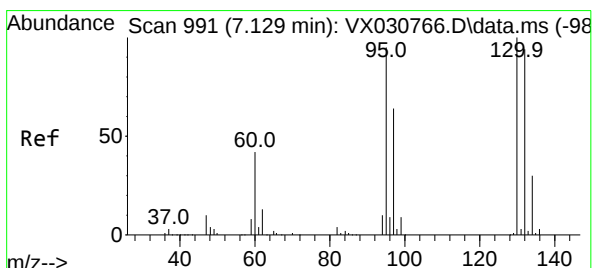
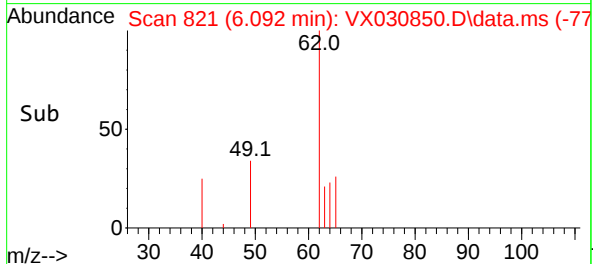
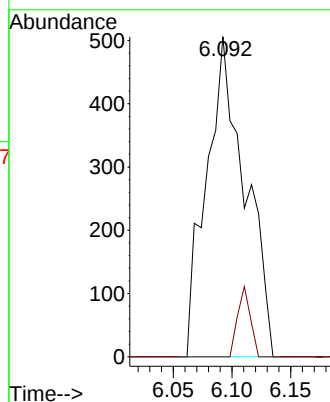
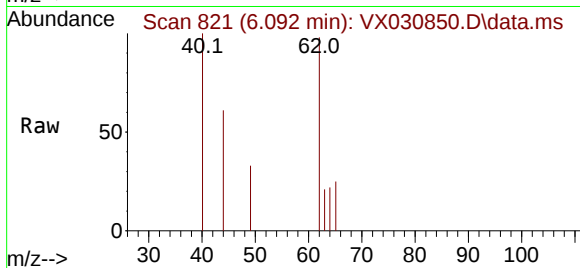
RE115D1-20220818

Tgt Ion: 62 Resp: 1156

Ion Ratio Lower Upper

62 100

98 7.2 0.0 20.2



#44

Trichloroethene

Concen: 280.340 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX030850.D

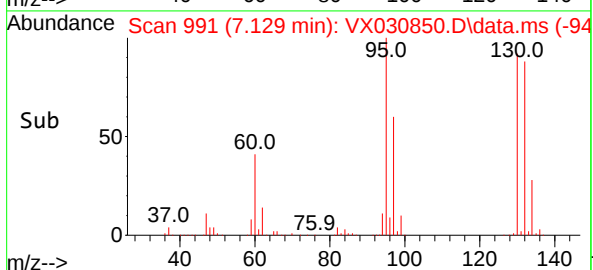
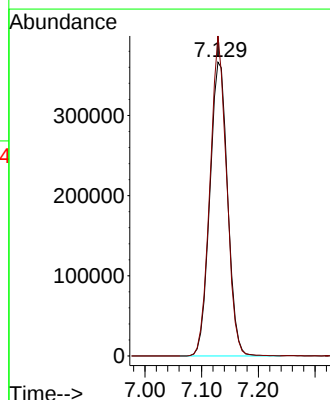
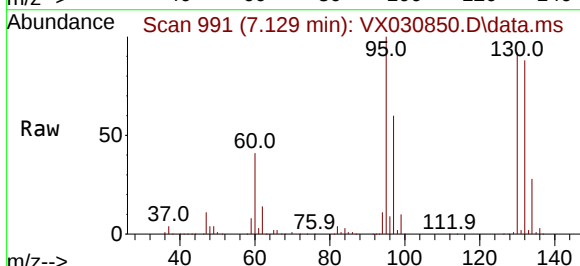
Acq: 27 Aug 2022 06:16

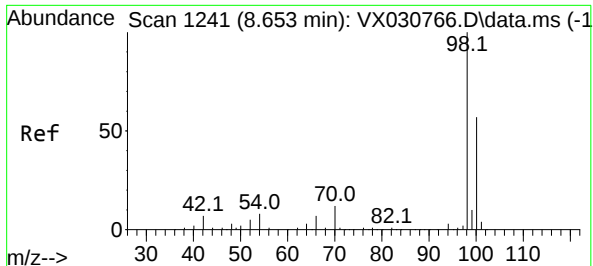
Tgt Ion:130 Resp: 799204

Ion Ratio Lower Upper

130 100

95 108.9 0.0 194.8





#50

Toluene-d8

Concen: 54.852 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

Instrument :

MSVOA_X

ClientSampleId :

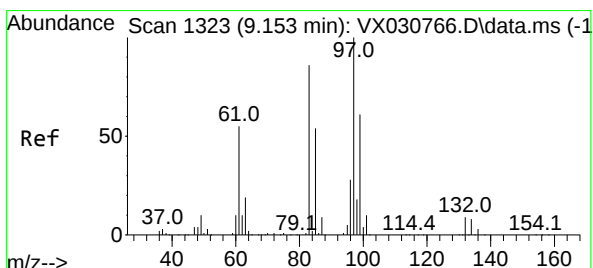
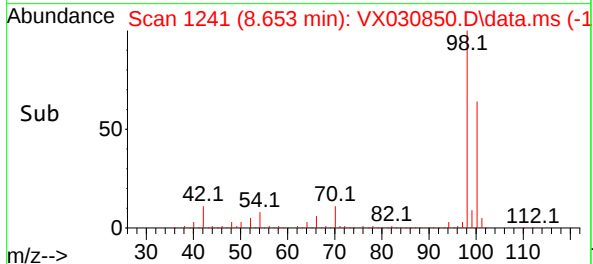
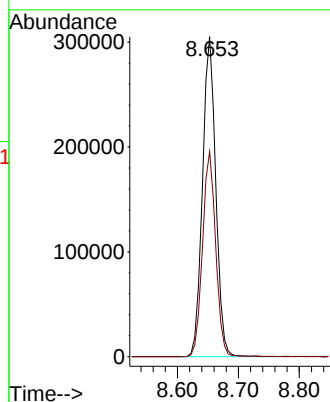
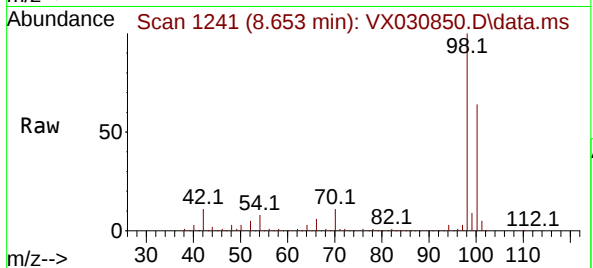
RE115D1-20220818

Tgt Ion: 98 Resp: 462959

Ion Ratio Lower Upper

98 100

100 63.5 52.3 78.5



#55

1,1,2-Trichloroethane

Concen: 0.798 ug/l

RT: 9.159 min Scan# 1324

Delta R.T. 0.006 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

Tgt Ion: 97 Resp: 2184

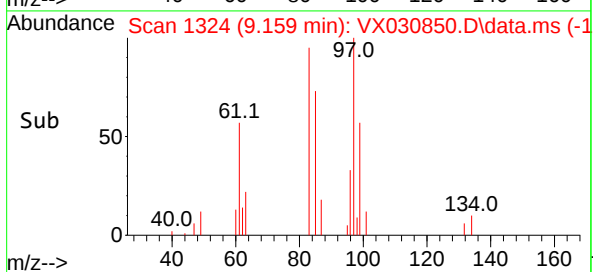
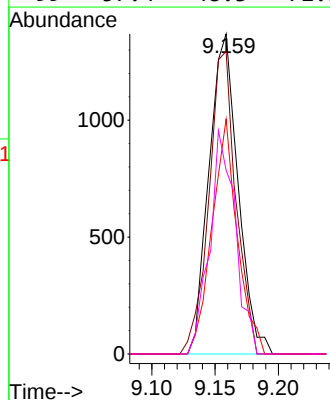
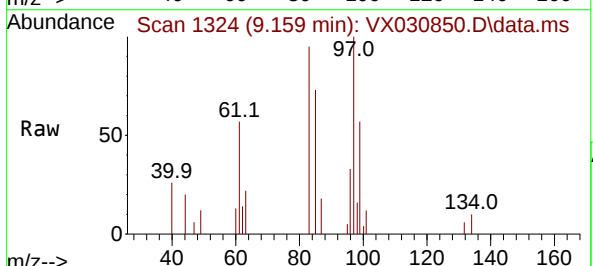
Ion Ratio Lower Upper

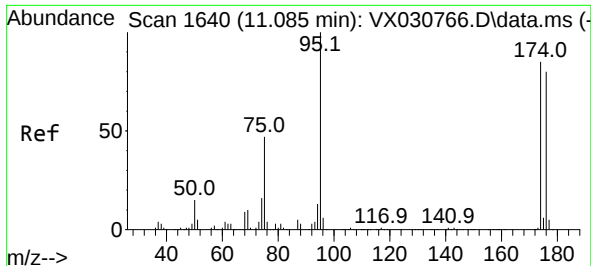
97 100

83 94.6 68.9 103.3

85 73.4 44.0 66.0#

99 57.4 48.3 72.5

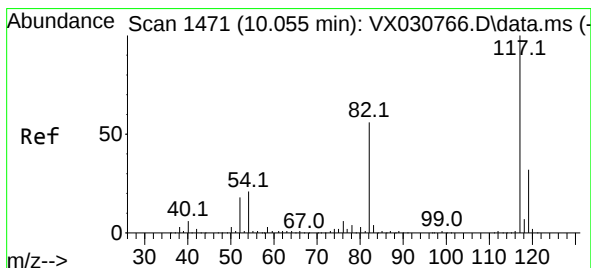
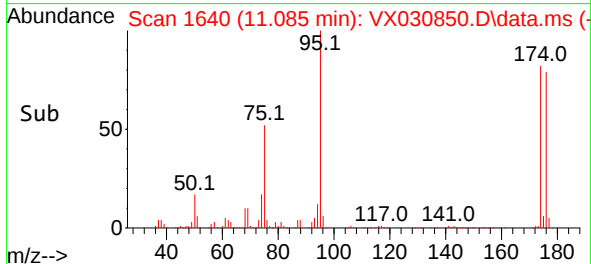
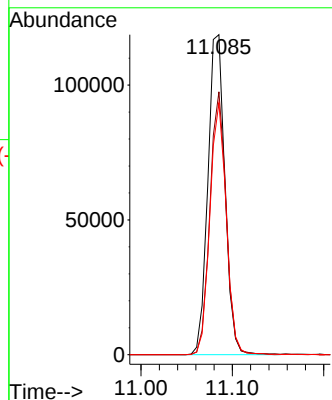
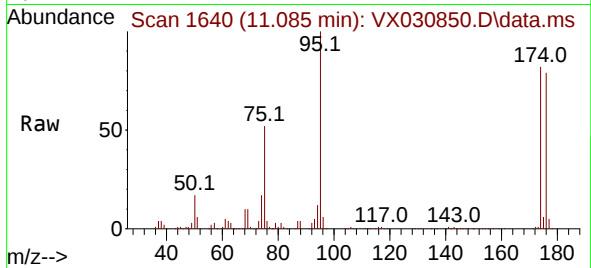




#62
4-Bromofluorobenzene
Concen: 48.883 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

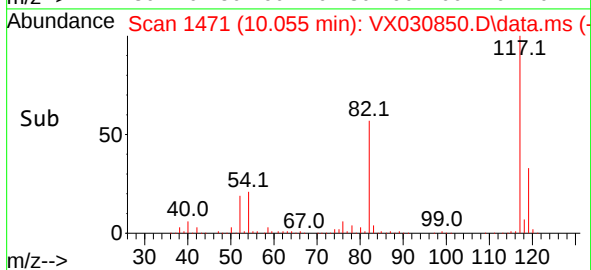
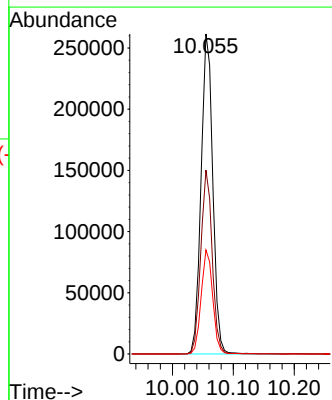
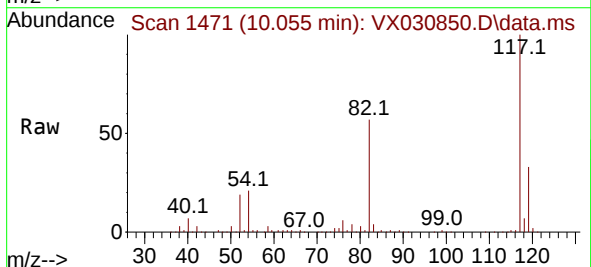
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220818

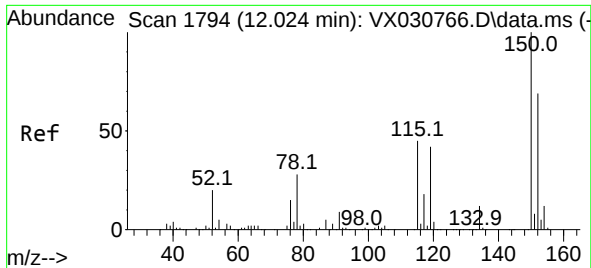
Tgt Ion: 95 Resp: 153602
Ion Ratio Lower Upper
95 100
174 78.8 0.0 149.0
176 75.7 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

Tgt Ion: 117 Resp: 349630
Ion Ratio Lower Upper
117 100
82 57.4 42.7 64.1
119 32.5 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX030850.D

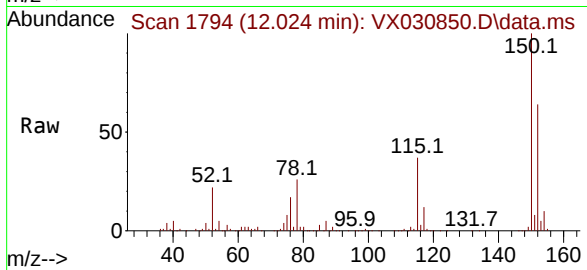
Acq: 27 Aug 2022 06:16

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20220818



Tgt Ion:152 Resp: 147152

Ion Ratio Lower Upper

152 100

115 60.2 40.5 121.5

150 158.1 0.0 347.0

