

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)

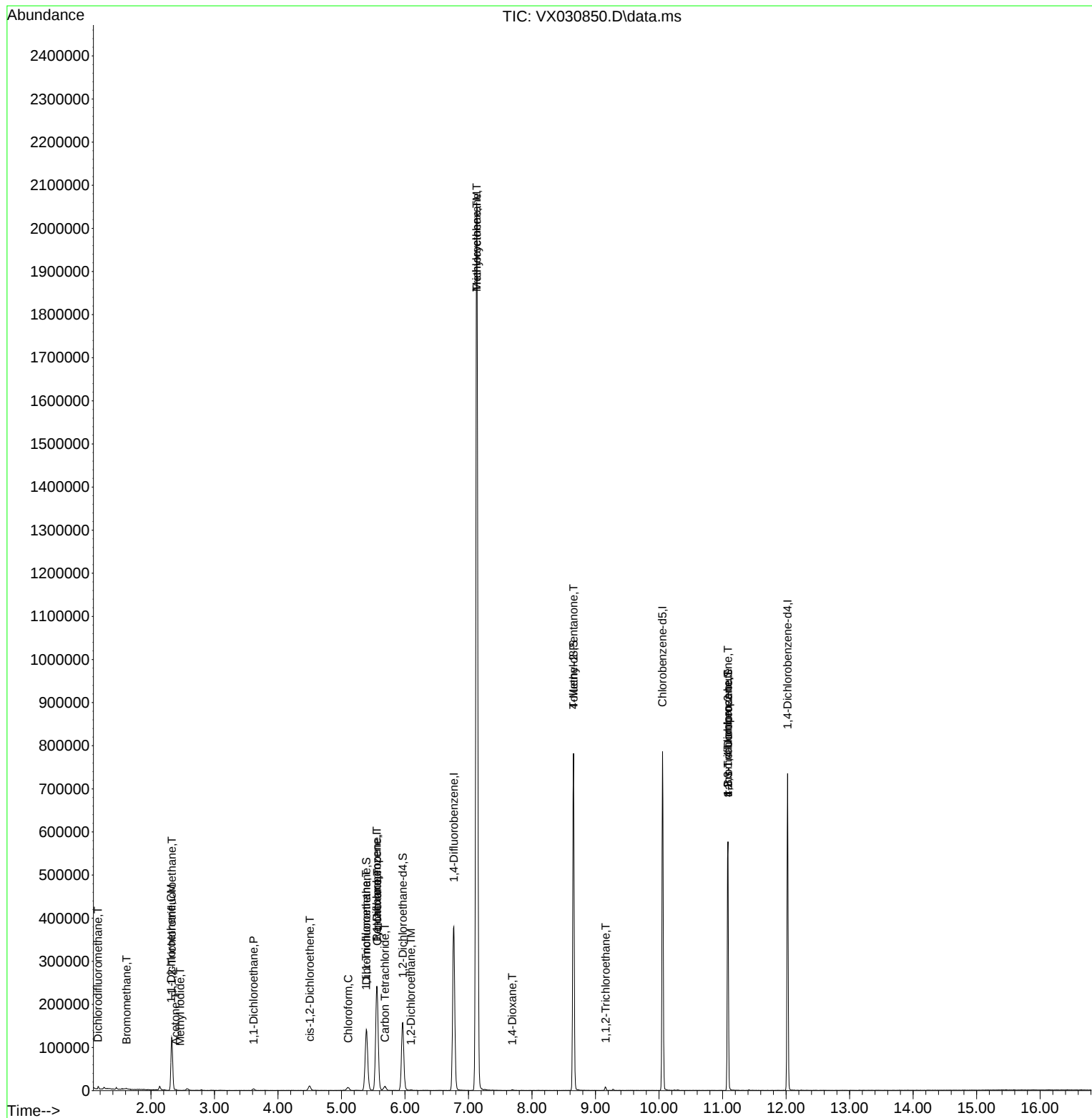
Internal Standards						
1) Pentafluorobenzene	5.556	168	227930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	394099	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	349630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
3) Chloromethane	1.294	50	276	Below Cal	#	44
4) Vinyl Chloride	1.575	62	19	Below Cal	#	1
5) Bromomethane	1.617	94	376	0.354	ug/l	99
6) Chloroethane	1.672	64	299	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	36346	16.375	ug/l	97
10) Methyl Iodide	2.459	142	145	4.102	ug/l #	45
12) 1,1-Dichloroethene	2.319	96	14789	7.158	ug/l	91
16) Acetone	2.386	43	2238	1.806	ug/l #	81
17) Carbon Disulfide	2.514	76	226	Below Cal	#	74
20) Methylene Chloride	2.794	84	613	Below Cal		85
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
31) Cyclohexane	5.562	56	4636	1.352	ug/l #	1
32) 1,1,1-Trichloroethane	5.385	97	1912	0.516	ug/l #	46
36) 1,1-Dichloropropene	5.556	75	17721	5.373	ug/l #	49
38) Carbon Tetrachloride	5.684	117	8040	2.311	ug/l	91
39) Methylcyclohexane	7.129	83	9723	2.463	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	1156	0.330	ug/l	92
44) Trichloroethene	7.129	130	799204	280.340	ug/l	88
49) 1,4-Dioxane	7.689	88	1172	16.186	ug/l	92
51) 4-Methyl-2-Pentanone	8.653	43	1898	0.478	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	2184	0.798	ug/l #	88
76) 1,2,3-Trichloropropane	11.085	75	78092	24.223	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	78092	78.153	ug/l #	12

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

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RE115D1-20220818

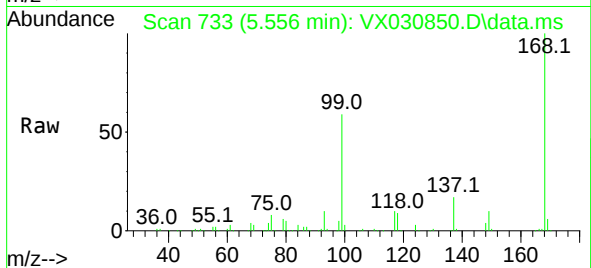
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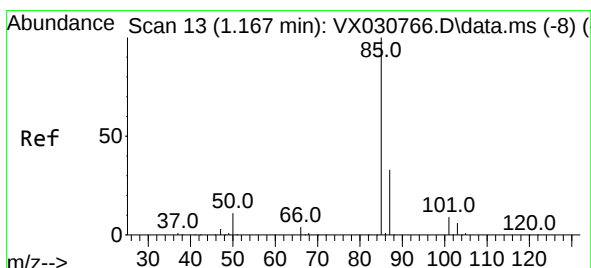
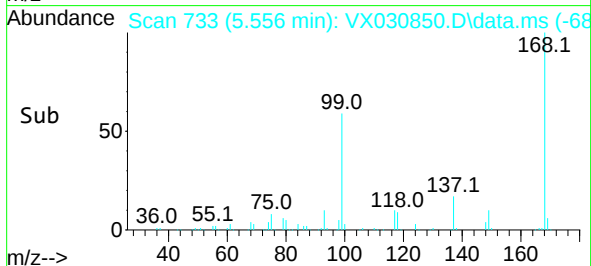
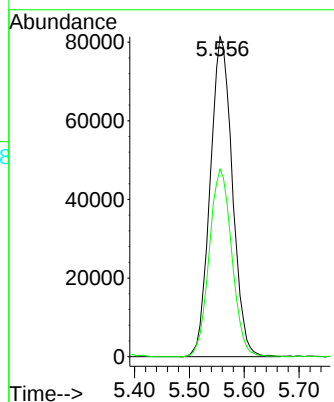


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220818

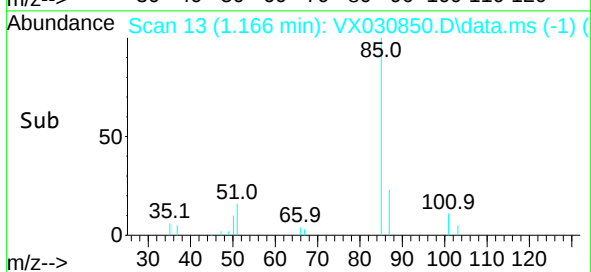
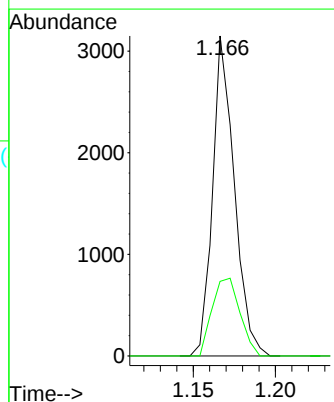
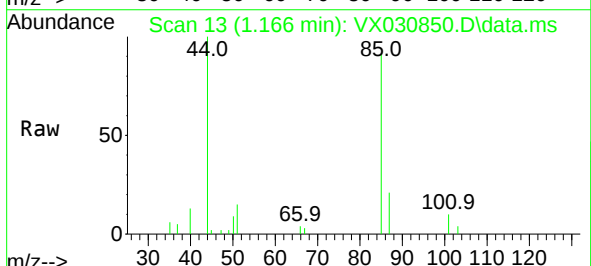


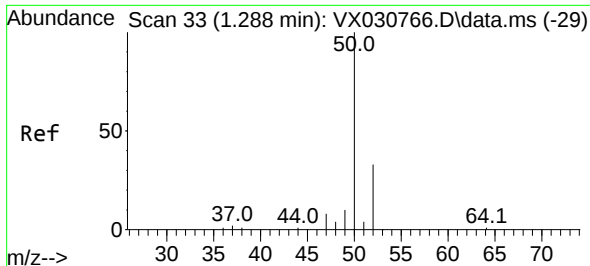
Tgt Ion:168 Resp: 227930
Ion Ratio Lower Upper
168 100
99 58.6 44.0 66.0



#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

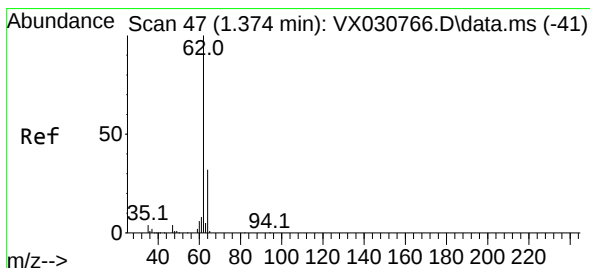
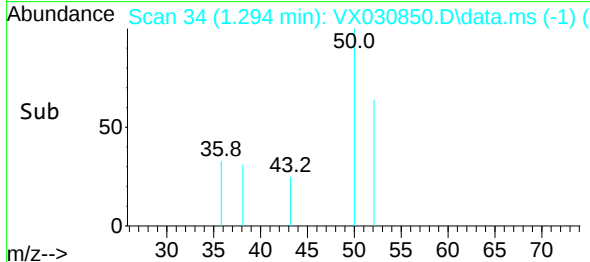
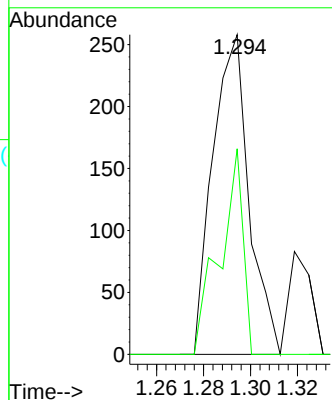
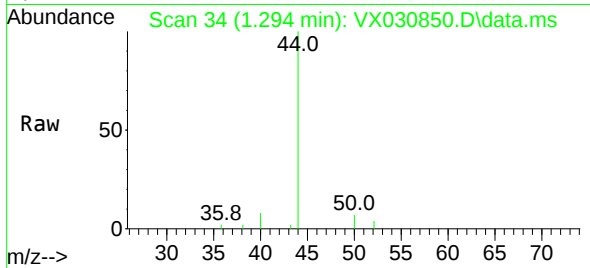




#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

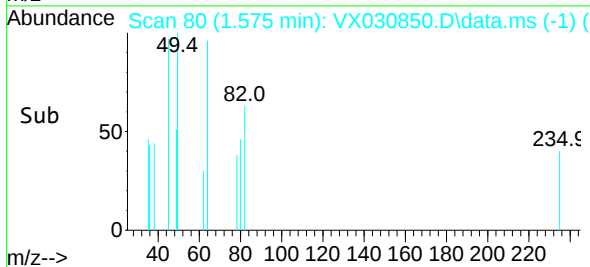
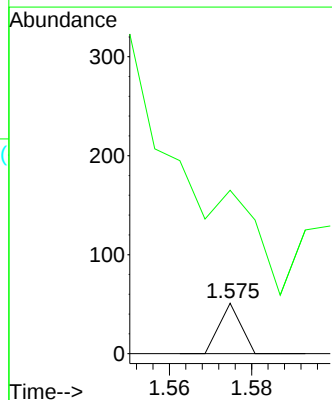
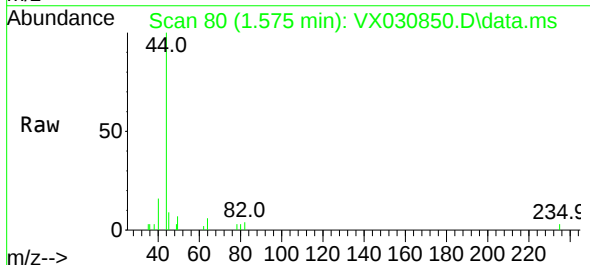
Instrument :
MSVOA_X
ClientSampleId :
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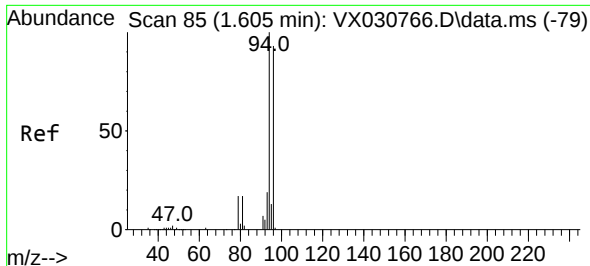
Tgt Ion: 50 Resp: 276
Ion Ratio Lower Upper
50 100
52 64.3 26.3 39.5#



#4
Vinyl Chloride
Concen: Below Cal
RT: 1.575 min Scan# 80
Delta R.T. 0.201 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

Tgt Ion: 62 Resp: 19
Ion Ratio Lower Upper
62 100
64 207.8 25.2 37.8#

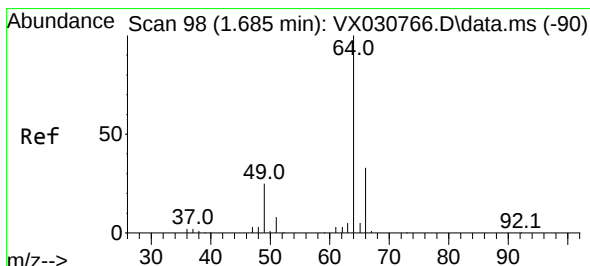
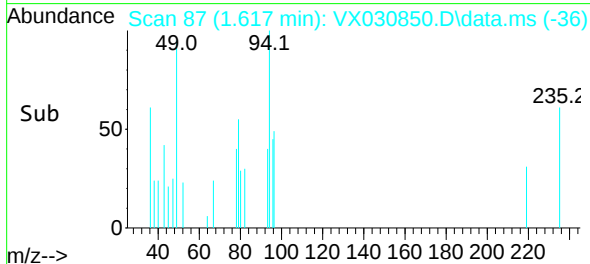
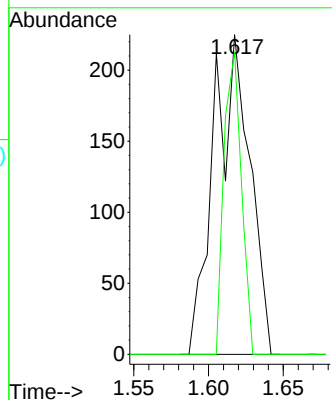
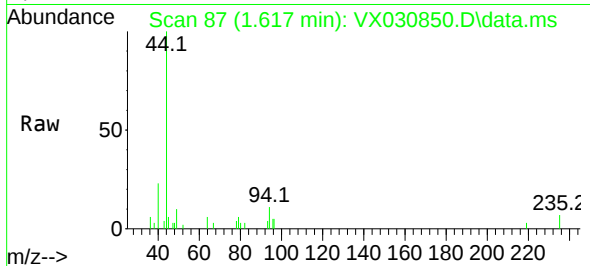




#5
Bromomethane
Concen: 0.354 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

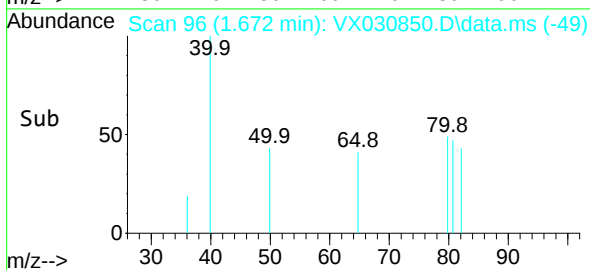
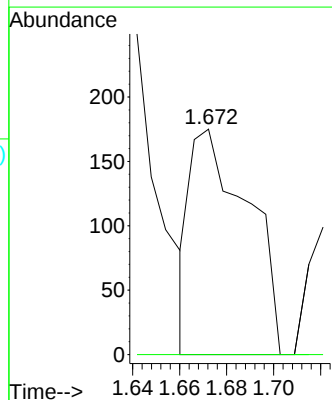
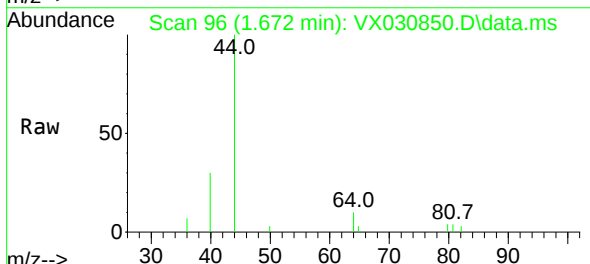
Instrument :
MSVOA_X
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RE115D1-20220818

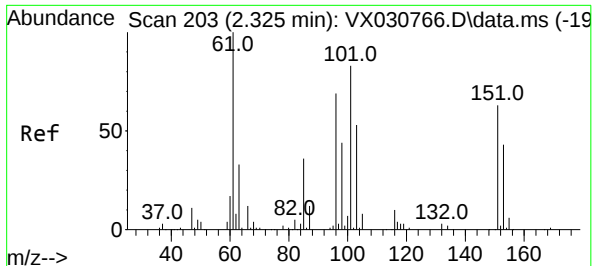
Tgt Ion: 94 Resp: 376
Ion Ratio Lower Upper
94 100
96 94.7 76.9 115.3



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.013 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

Tgt Ion: 64 Resp: 299
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

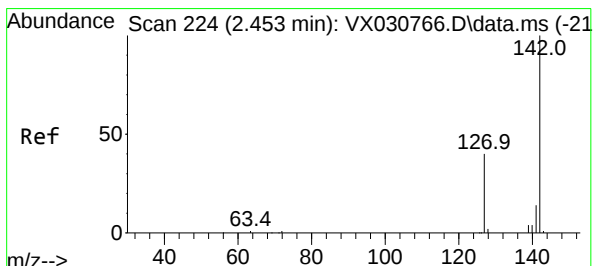
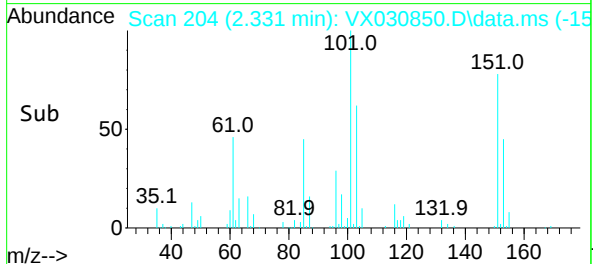
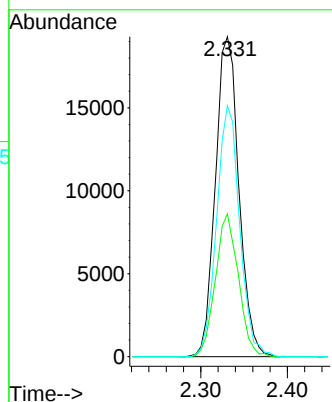
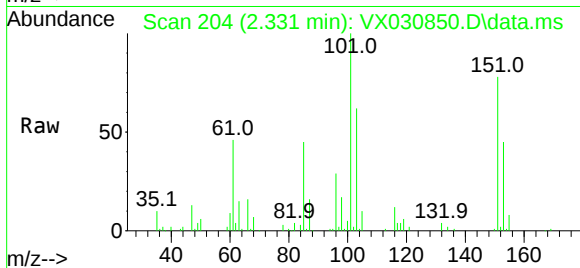




#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.375 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

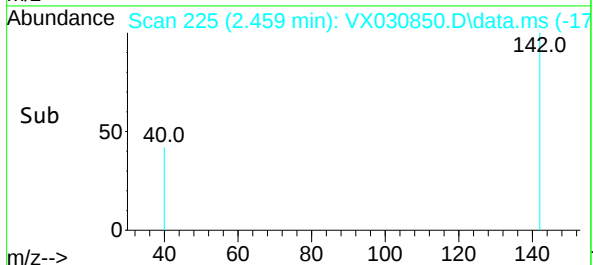
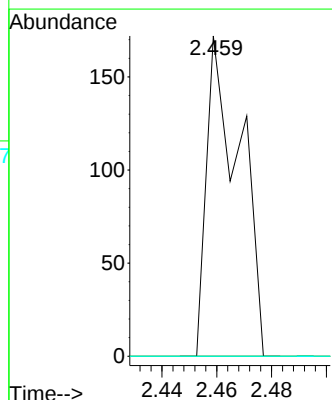
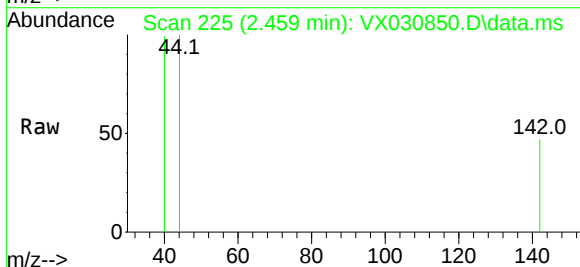
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220818

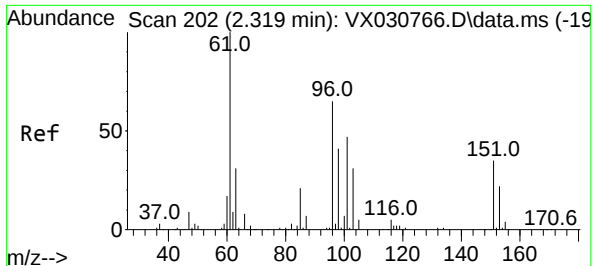
Tgt Ion:101 Resp: 36346
Ion Ratio Lower Upper
101 100
85 43.6 34.0 51.0
151 77.2 59.4 89.0



#10
Methyl Iodide
Concen: 4.102 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

Tgt Ion:142 Resp: 145
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#12

1,1-Dichloroethene

Concen: 7.158 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

Instrument :

MSVOA_X

ClientSampleId :

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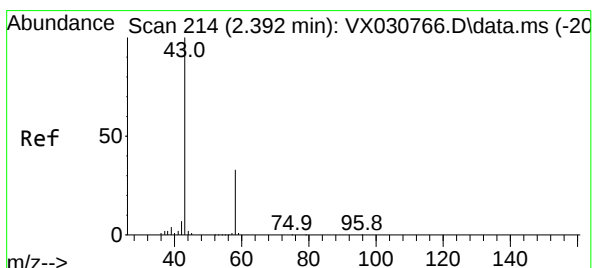
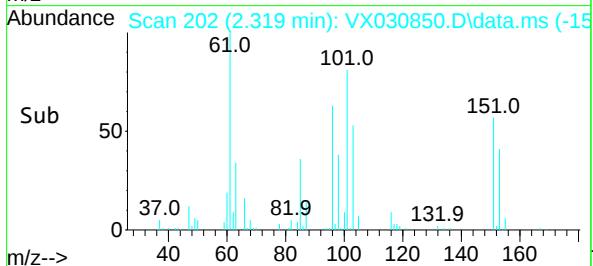
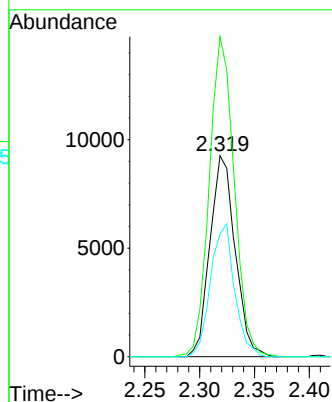
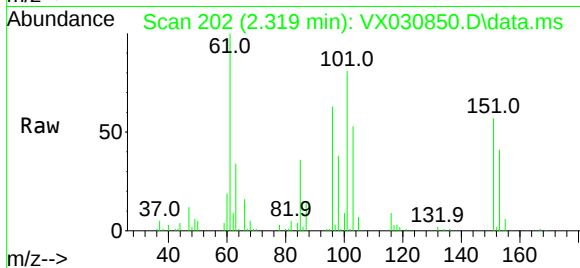
Tgt Ion: 96 Resp: 14789

Ion Ratio Lower Upper

96 100

61 159.3 117.4 176.0

98 61.1 52.2 78.4



#16

Acetone

Concen: 1.806 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX030850.D

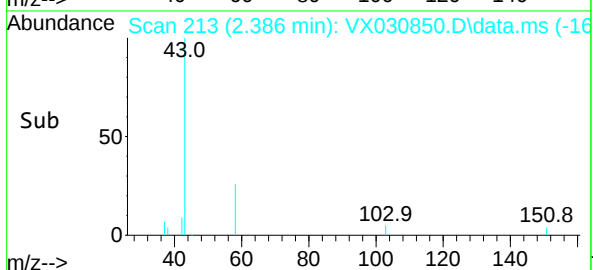
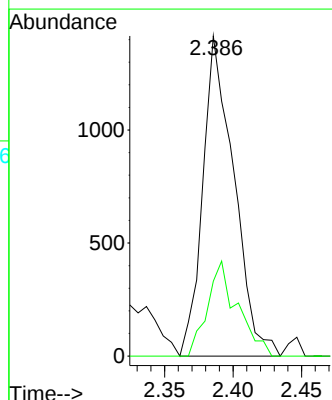
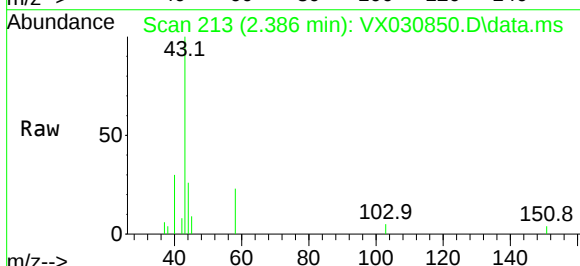
Acq: 27 Aug 2022 06:16

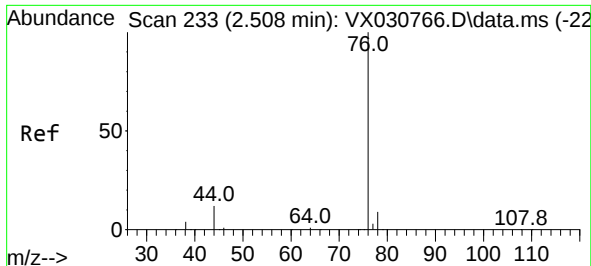
Tgt Ion: 43 Resp: 2238

Ion Ratio Lower Upper

43 100

58 23.4 27.7 41.5#

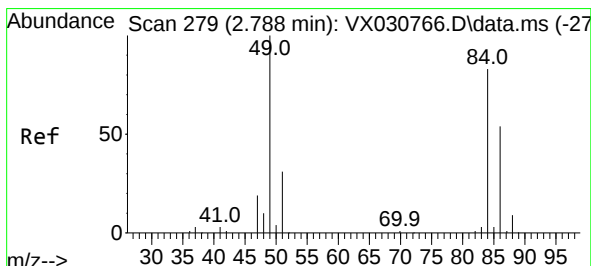
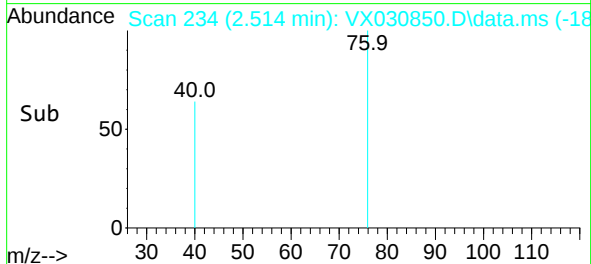
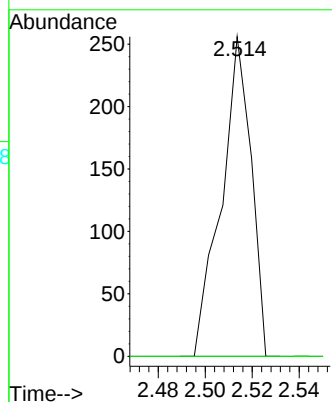
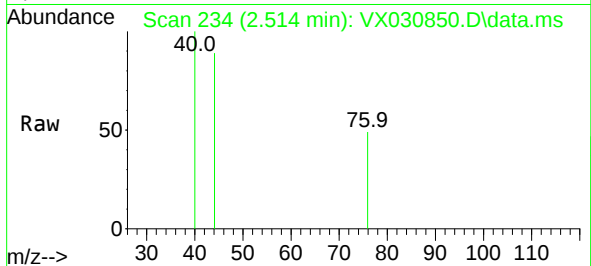




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

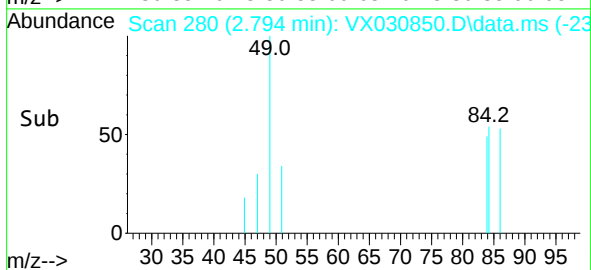
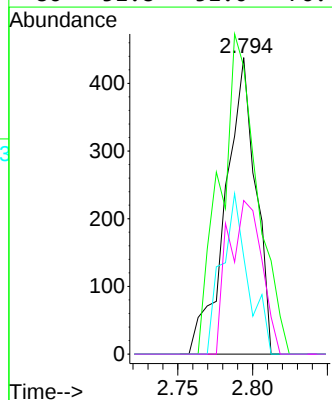
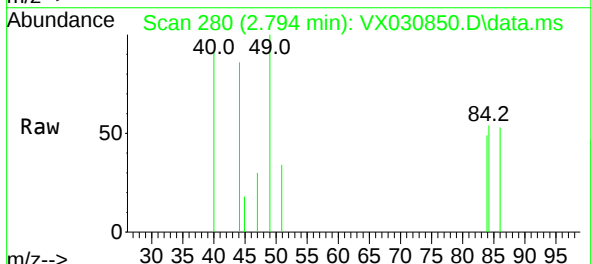
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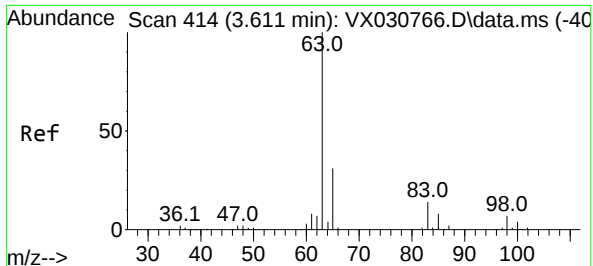
Tgt Ion: 76 Resp: 226
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

Tgt Ion: 84 Resp: 613
Ion Ratio Lower Upper
84 100
49 97.0 93.8 140.6
51 32.9 29.4 44.0
86 51.8 51.0 76.4

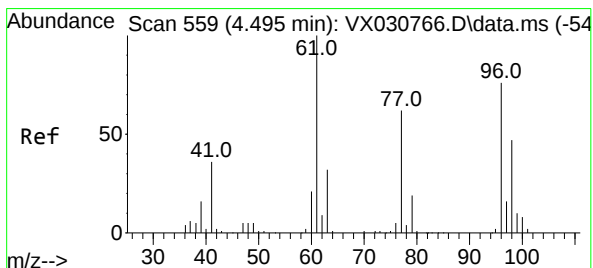
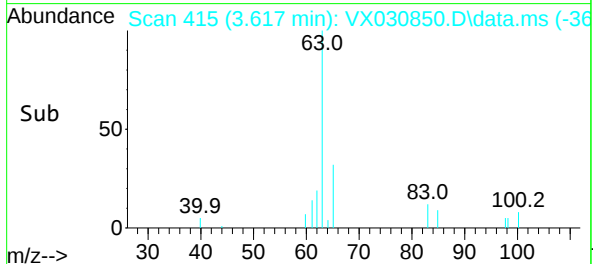
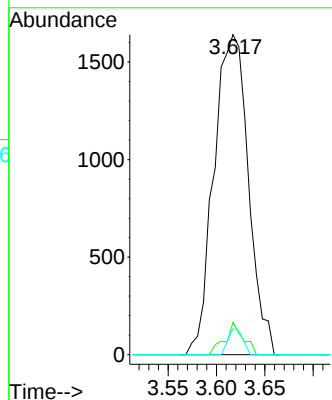
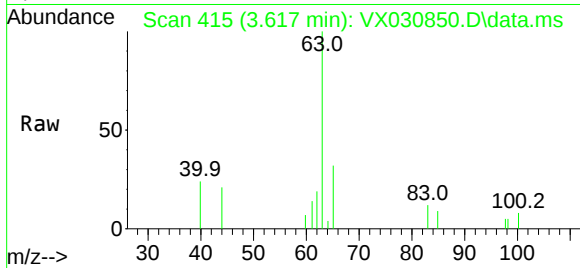




#24
 1,1-Dichloroethane
 Concen: 0.934 ug/l
 RT: 3.617 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX030850.D
 Acq: 27 Aug 2022 06:16

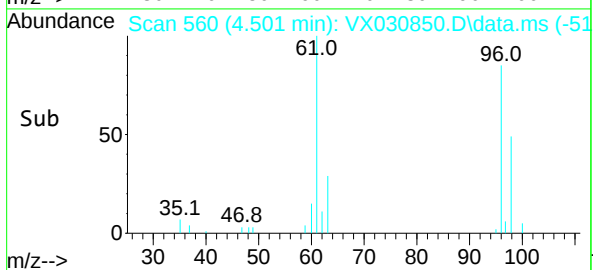
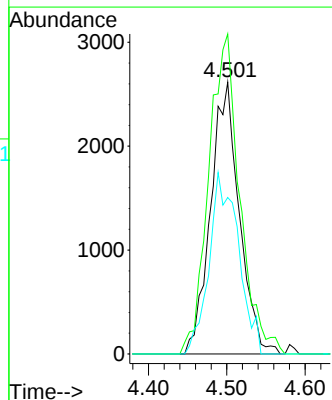
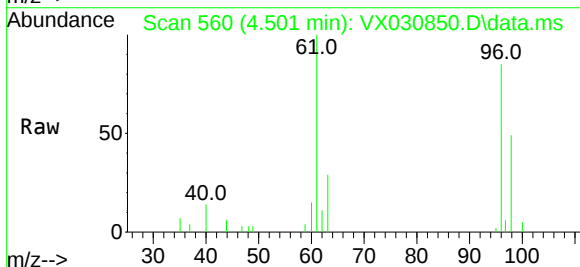
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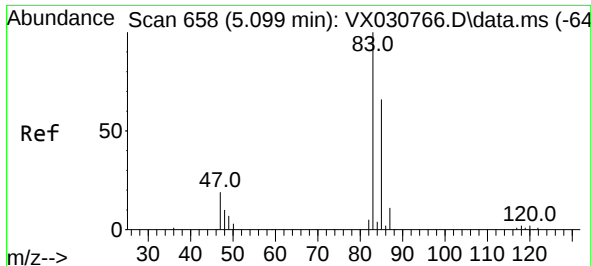
Tgt Ion: 63 Resp: 4064
 Ion Ratio Lower Upper
 63 100
 98 10.1 3.5 10.5
 100 8.2 2.3 6.9#



#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

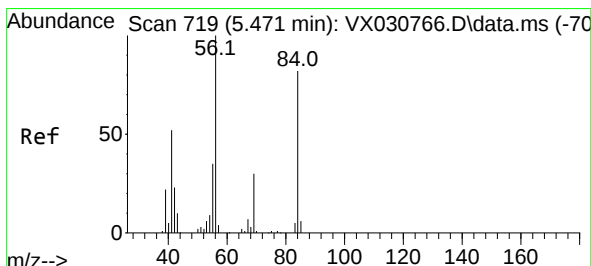
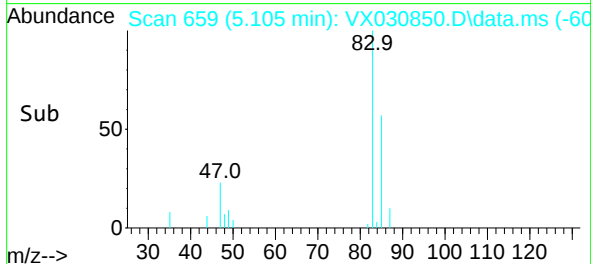
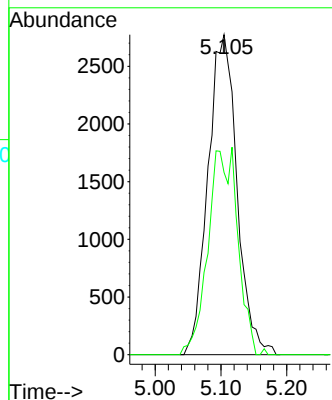
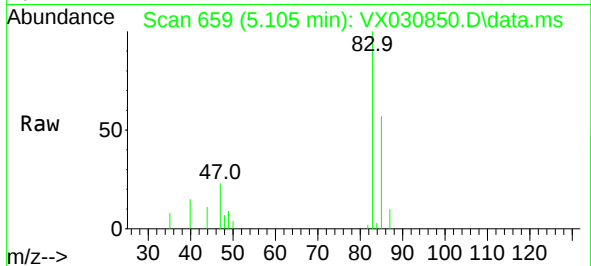




#30
Chloroform
Concen: 1.861 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

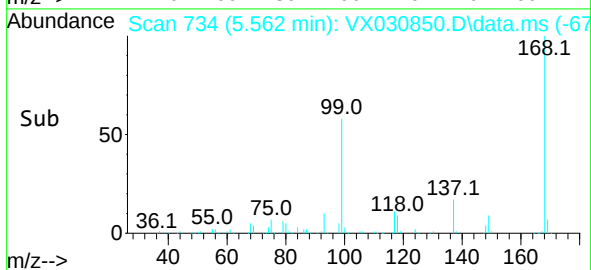
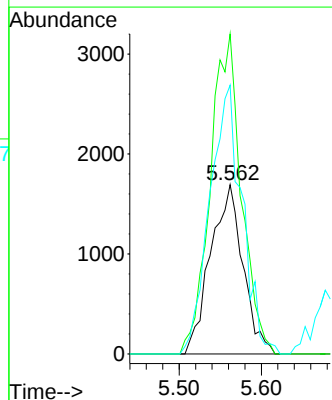
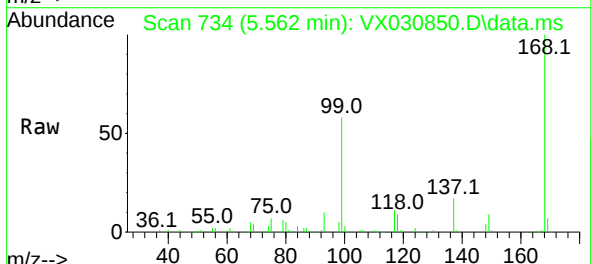
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220818

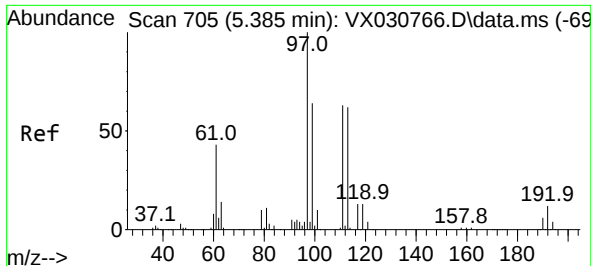
Tgt Ion: 83 Resp: 8526
Ion Ratio Lower Upper
83 100
85 57.0 51.5 77.3



#31
Cyclohexane
Concen: 1.352 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.091 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

Tgt Ion: 56 Resp: 4636
Ion Ratio Lower Upper
56 100
69 189.0 25.4 38.0#
84 158.7 68.9 103.3#

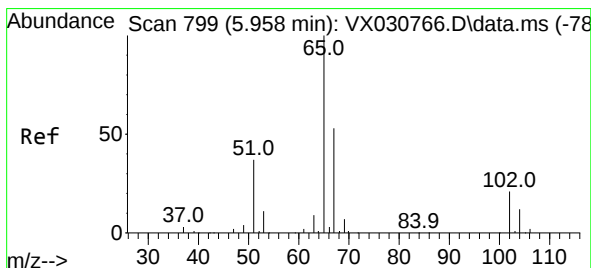
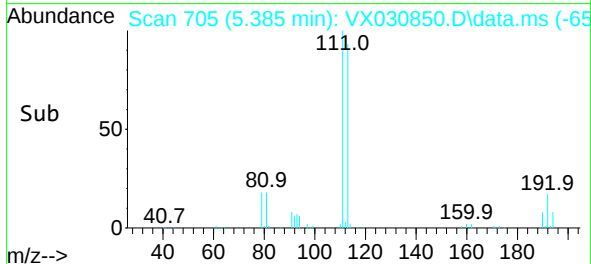
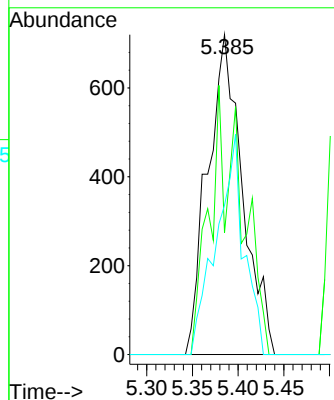
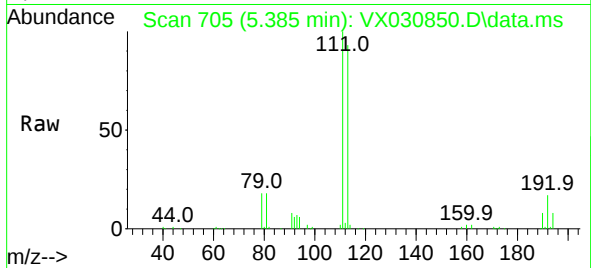




#32
1,1,1-Trichloroethane
Concen: 0.516 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

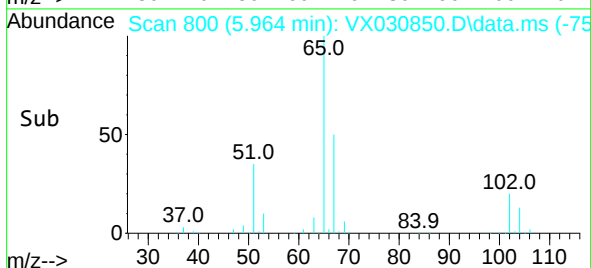
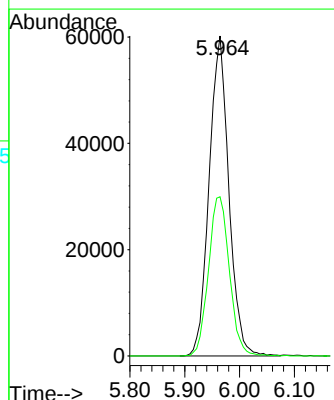
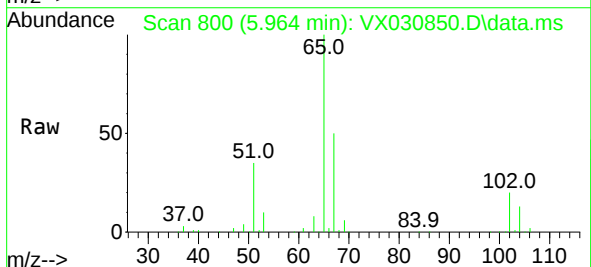
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220818

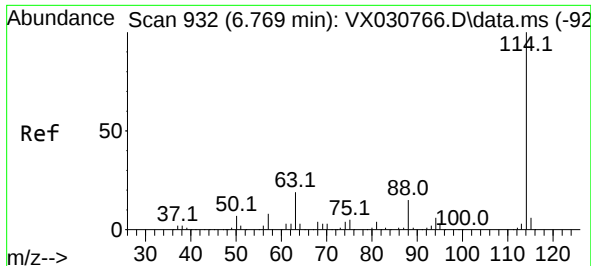
Tgt Ion: 97 Resp: 1912
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 54.6 35.8 53.8#



#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

Tgt Ion: 65 Resp: 150110
Ion Ratio Lower Upper
65 100
67 52.9 0.0 109.6

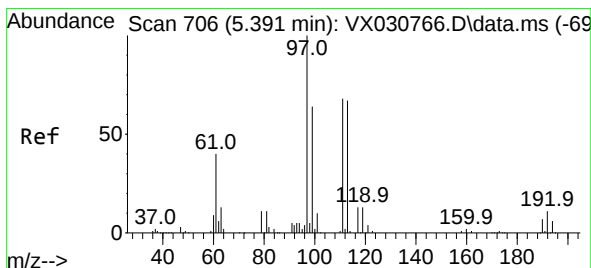
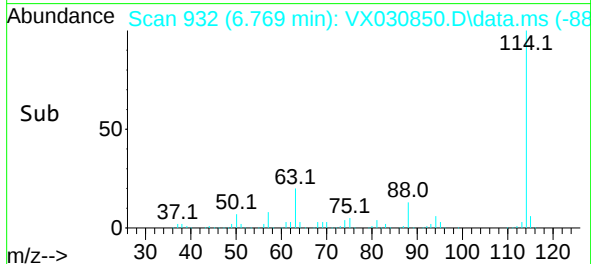
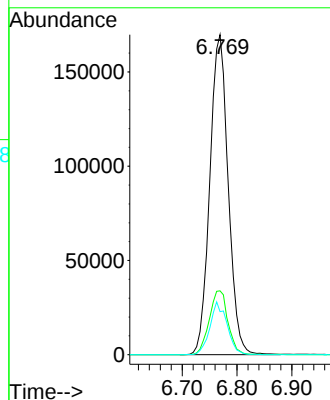
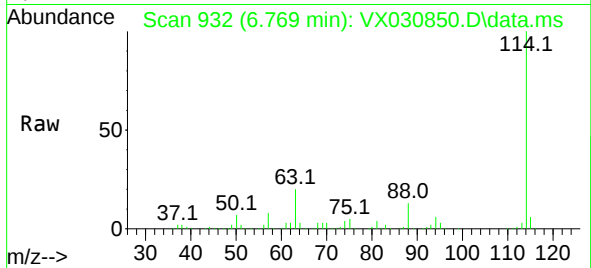




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

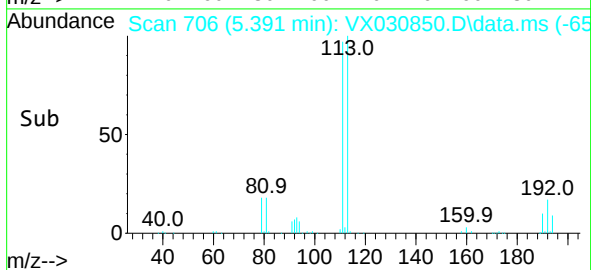
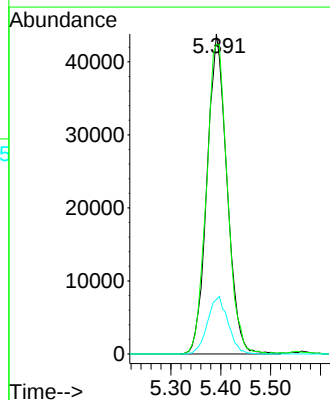
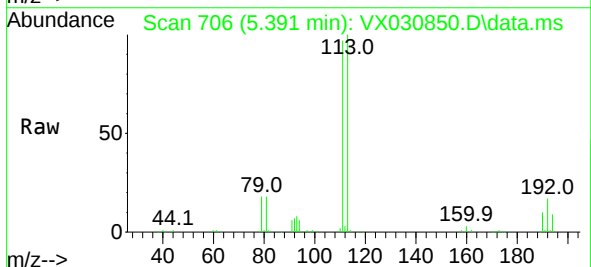
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220818

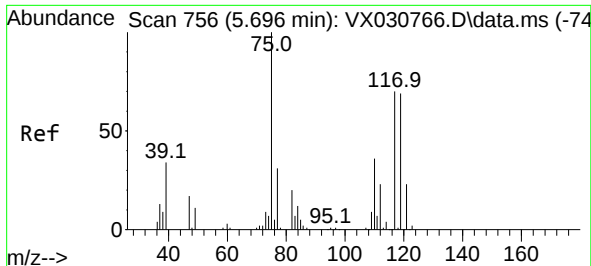
Tgt Ion:114 Resp: 394099
Ion Ratio Lower Upper
114 100
63 19.9 0.0 38.4
88 13.5 0.0 31.8



#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

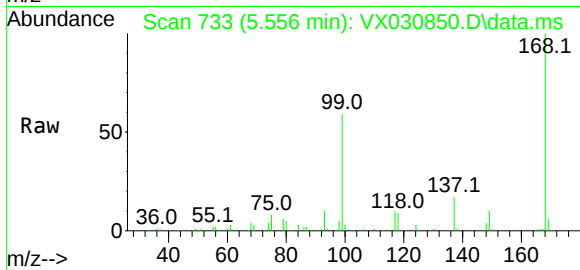
Tgt Ion:113 Resp: 122174
Ion Ratio Lower Upper
113 100
111 101.6 83.2 124.8
192 18.4 14.8 22.2



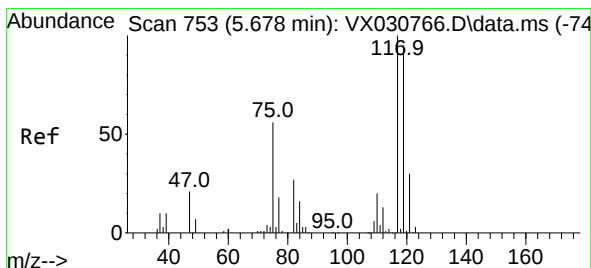
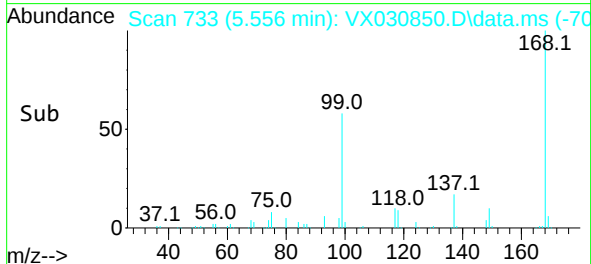
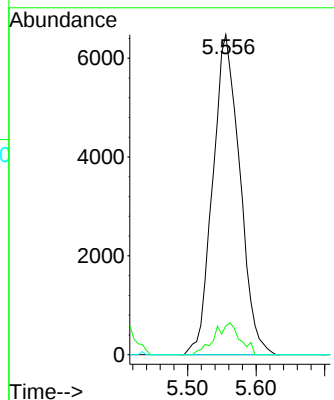


#36
1,1-Dichloropropene
Concen: 5.373 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220818

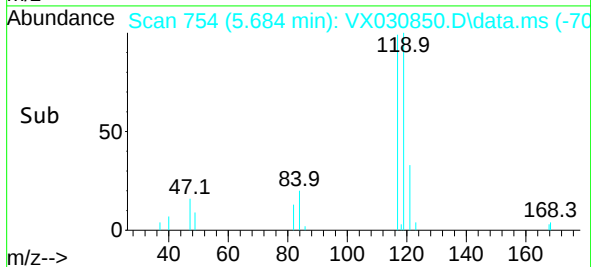
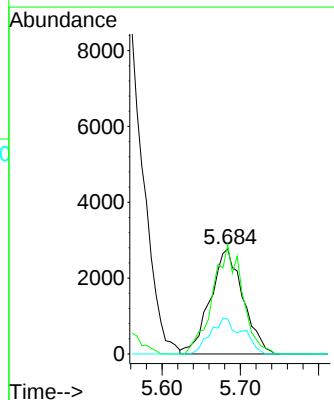
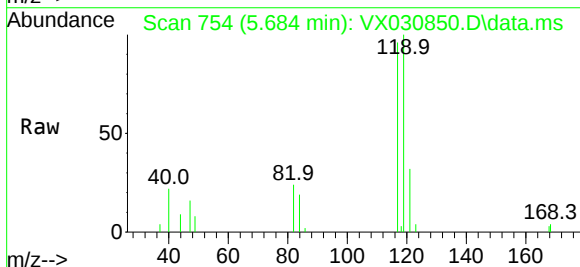


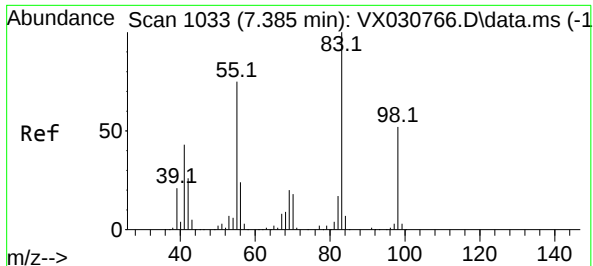
Tgt Ion: 75 Resp: 17721
Ion Ratio Lower Upper
75 100
110 9.5 19.3 57.9#
77 0.0 24.4 36.6#



#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





#39

Methylcyclohexane

Concen: 2.463 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20220818

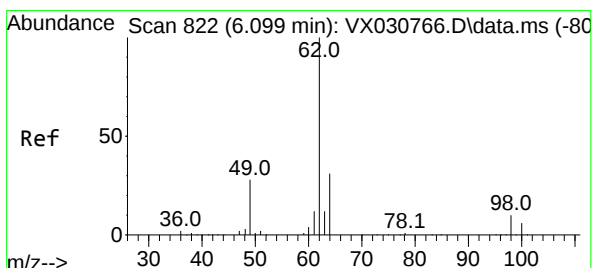
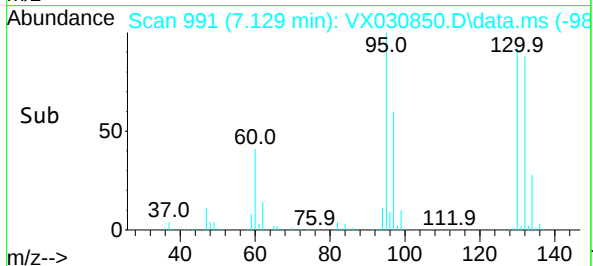
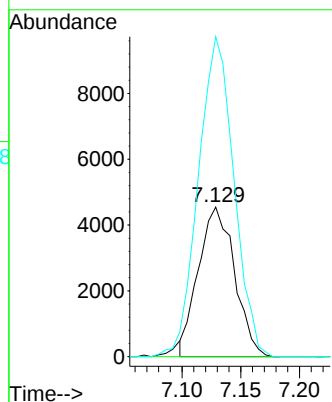
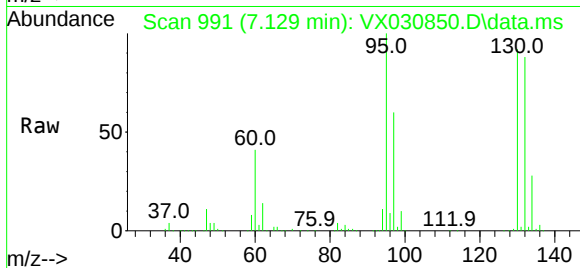
Tgt Ion: 83 Resp: 9723

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 214.0 36.5 54.7#



#42

1,2-Dichloroethane

Concen: 0.330 ug/l

RT: 6.092 min Scan# 821

Delta R.T. -0.007 min

Lab File: VX030850.D

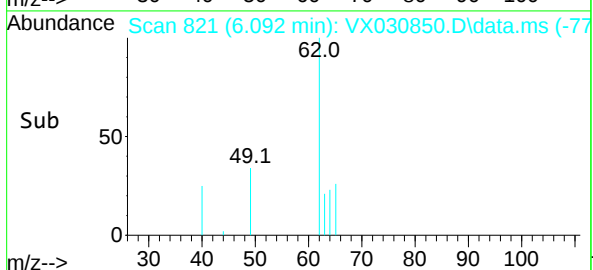
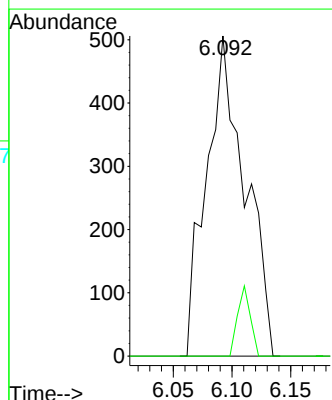
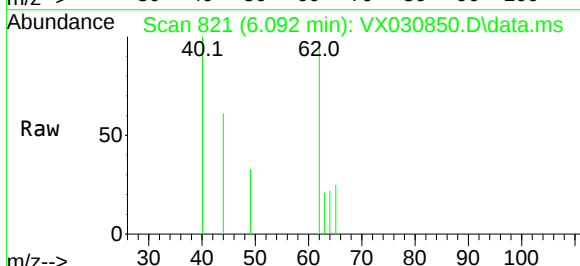
Acq: 27 Aug 2022 06:16

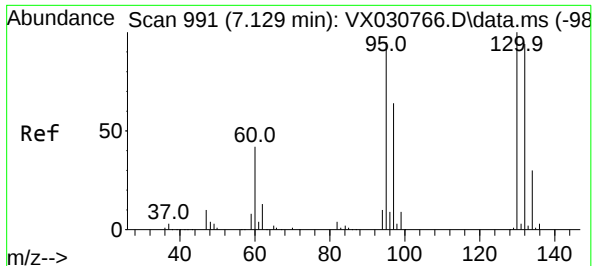
Tgt Ion: 62 Resp: 1156

Ion Ratio Lower Upper

62 100

98 7.2 0.0 20.2

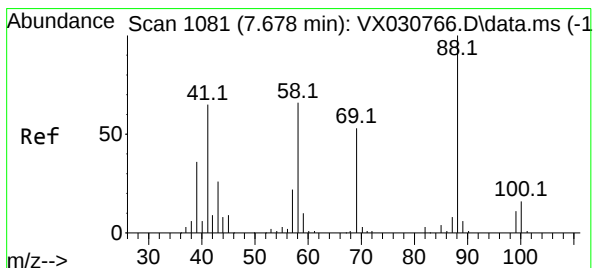
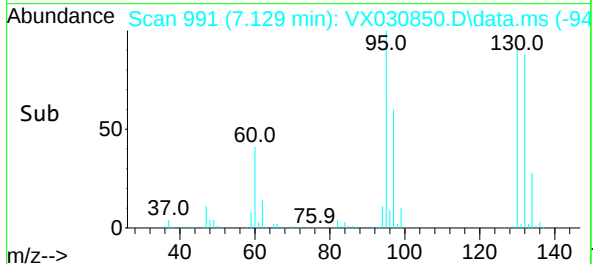
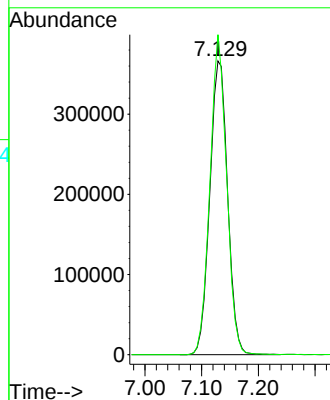
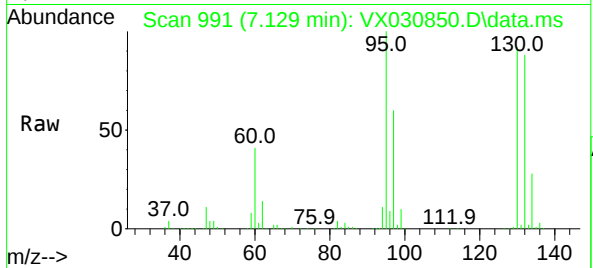




#44
Trichloroethene
Concen: 280.340 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

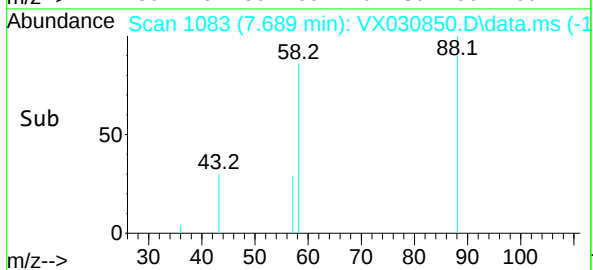
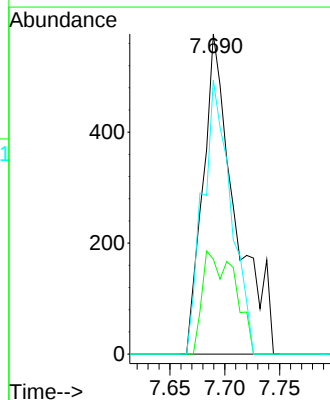
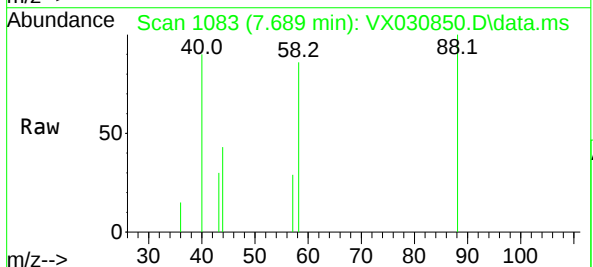
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220818

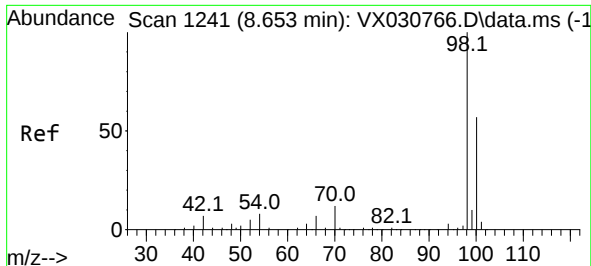
Tgt Ion:130 Resp: 799204
Ion Ratio Lower Upper
130 100
95 108.9 0.0 194.8



#49
1,4-Dioxane
Concen: 16.186 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.011 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

Tgt Ion: 88 Resp: 1172
Ion Ratio Lower Upper
88 100
43 32.5 23.8 35.8
58 75.3 53.8 80.6





#50

Toluene-d8

Concen: 54.852 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

Instrument :

MSVOA_X

ClientSampleId :

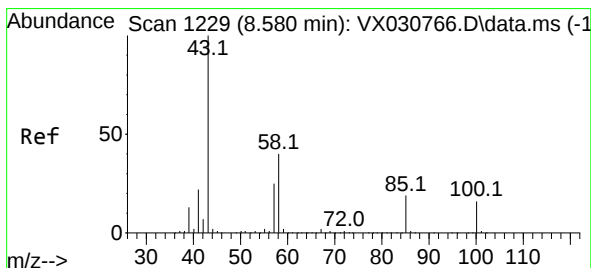
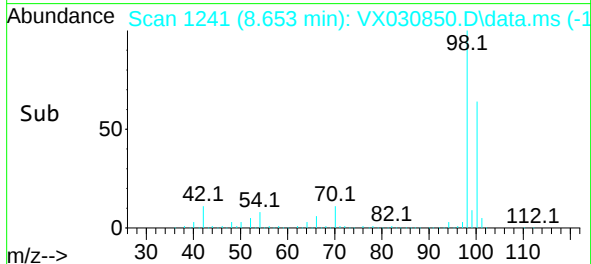
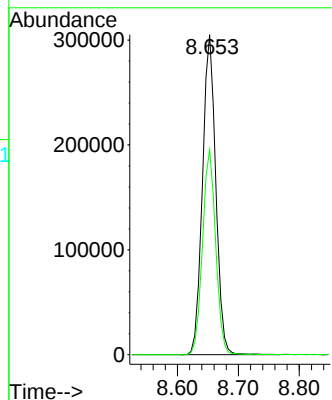
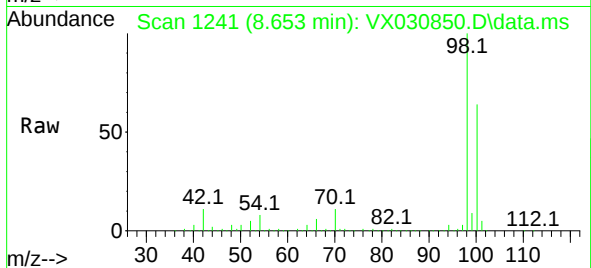
RE115D1-20220818

Tgt Ion: 98 Resp: 462959

Ion Ratio Lower Upper

98 100

100 63.5 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.478 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX030850.D

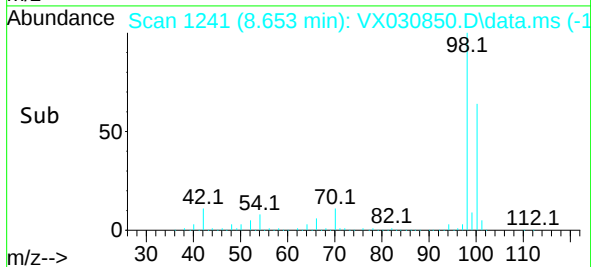
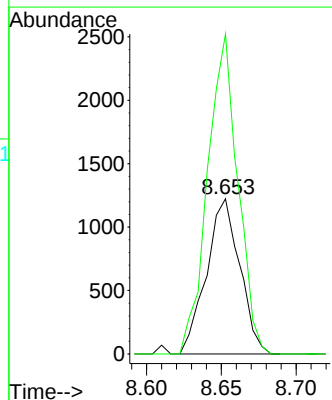
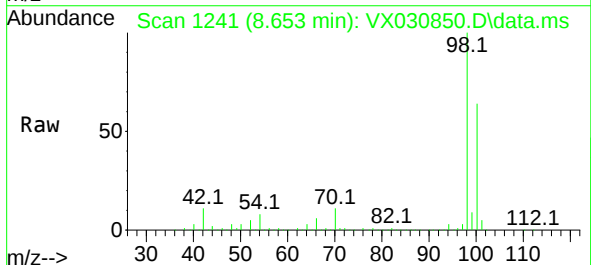
Acq: 27 Aug 2022 06:16

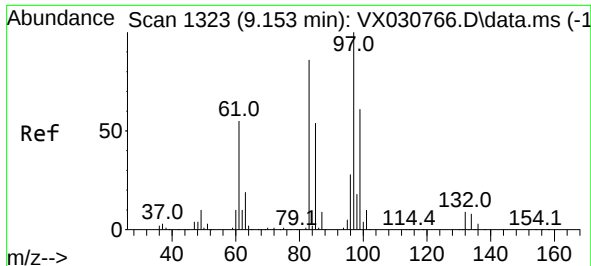
Tgt Ion: 43 Resp: 1898

Ion Ratio Lower Upper

43 100

58 187.2 31.4 47.2#





#55

1,1,2-Trichloroethane

Concen: 0.798 ug/l

RT: 9.159 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20220818

Tgt Ion: 97 Resp: 2184

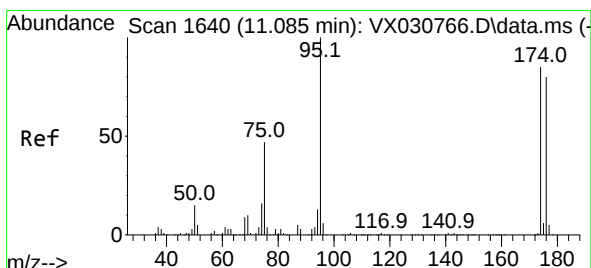
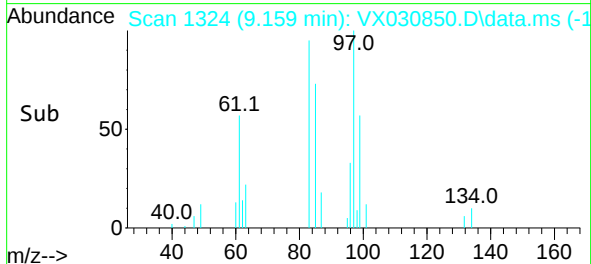
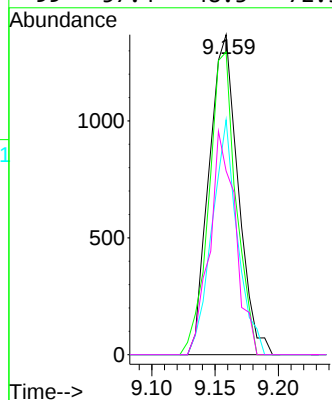
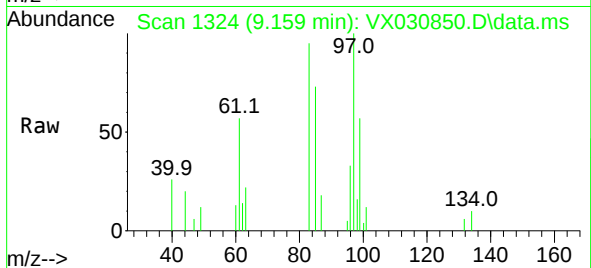
Ion Ratio Lower Upper

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# 1640

Delta R.T. 0.000 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

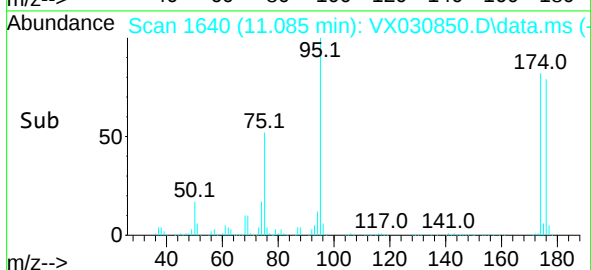
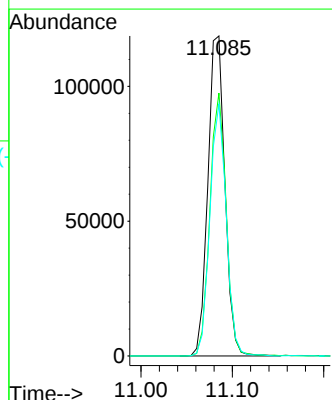
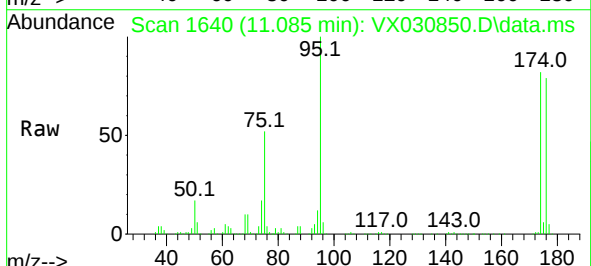
Tgt Ion: 95 Resp: 153602

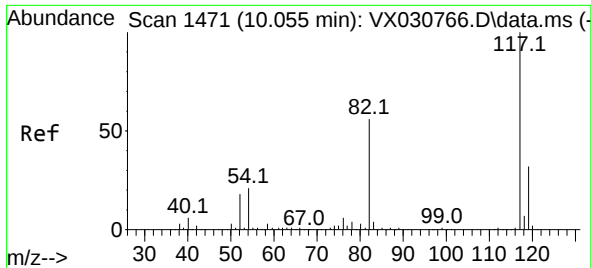
Ion Ratio Lower Upper

95 100

174 78.8 0.0 149.0

176 75.7 0.0 146.0

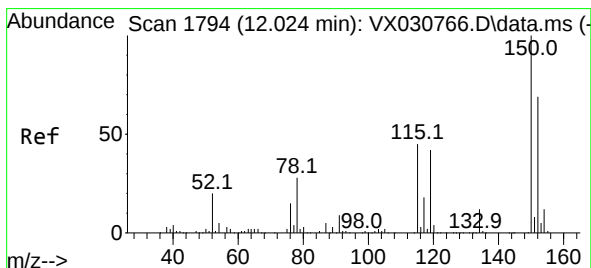
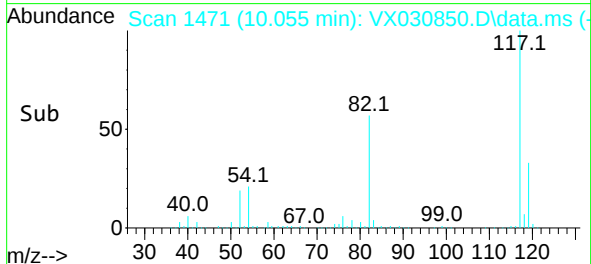
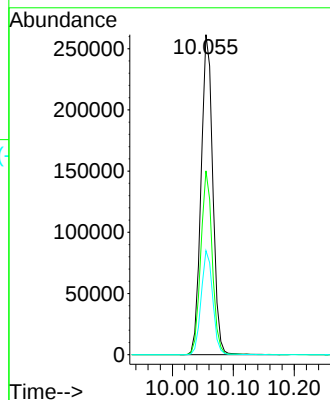
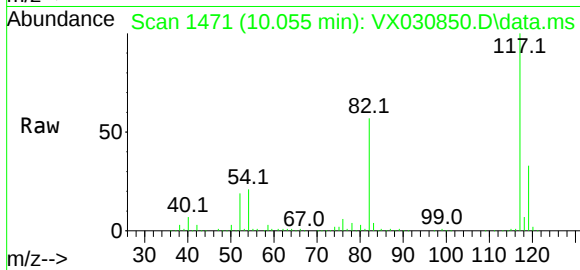




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

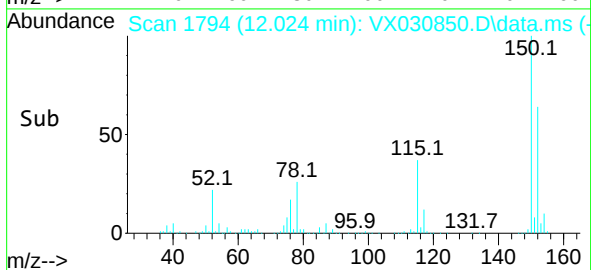
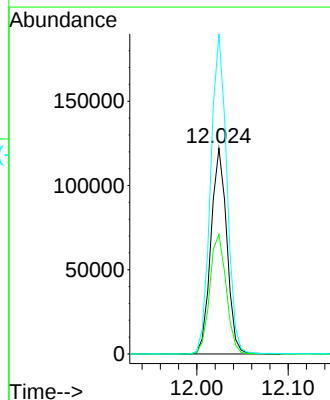
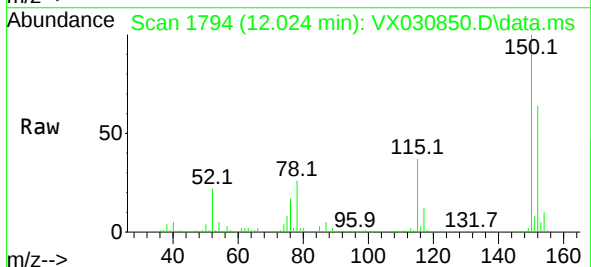
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220818

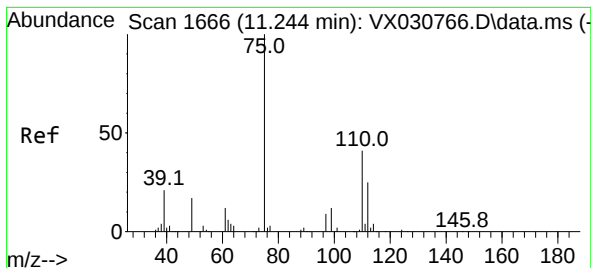
Tgt Ion:117 Resp: 349630
Ion Ratio Lower Upper
117 100
82 57.4 42.7 64.1
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030850.D
Acq: 27 Aug 2022 06:16

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





#76

1,2,3-Trichloropropane

Concen: 24.223 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

Instrument :

MSVOA_X

ClientSampleId :

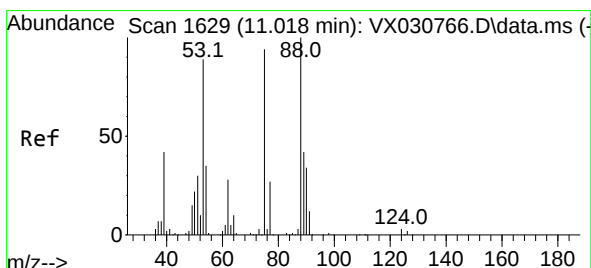
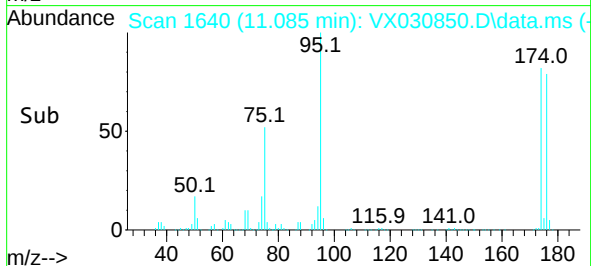
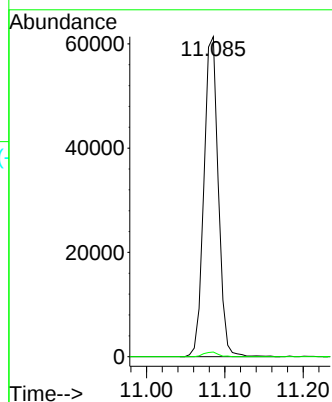
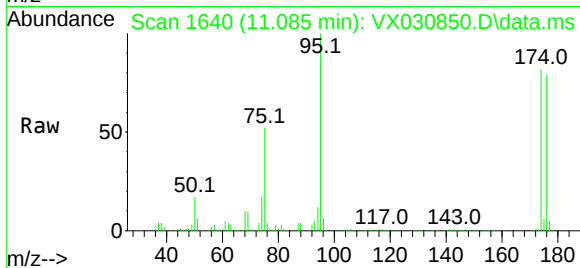
RE115D1-20220818

Tgt Ion: 75 Resp: 78092

Ion Ratio Lower Upper

75 100

77 1.5 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.153 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX030850.D

Acq: 27 Aug 2022 06:16

Tgt Ion: 75 Resp: 78092

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

