

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083022\
 Data File : VX030957.D
 Acq On : 30 Aug 2022 22:29
 Operator : JC/MD
 Sample : N4281-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D1-20220819

Quant Time: Sep 06 01:20:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

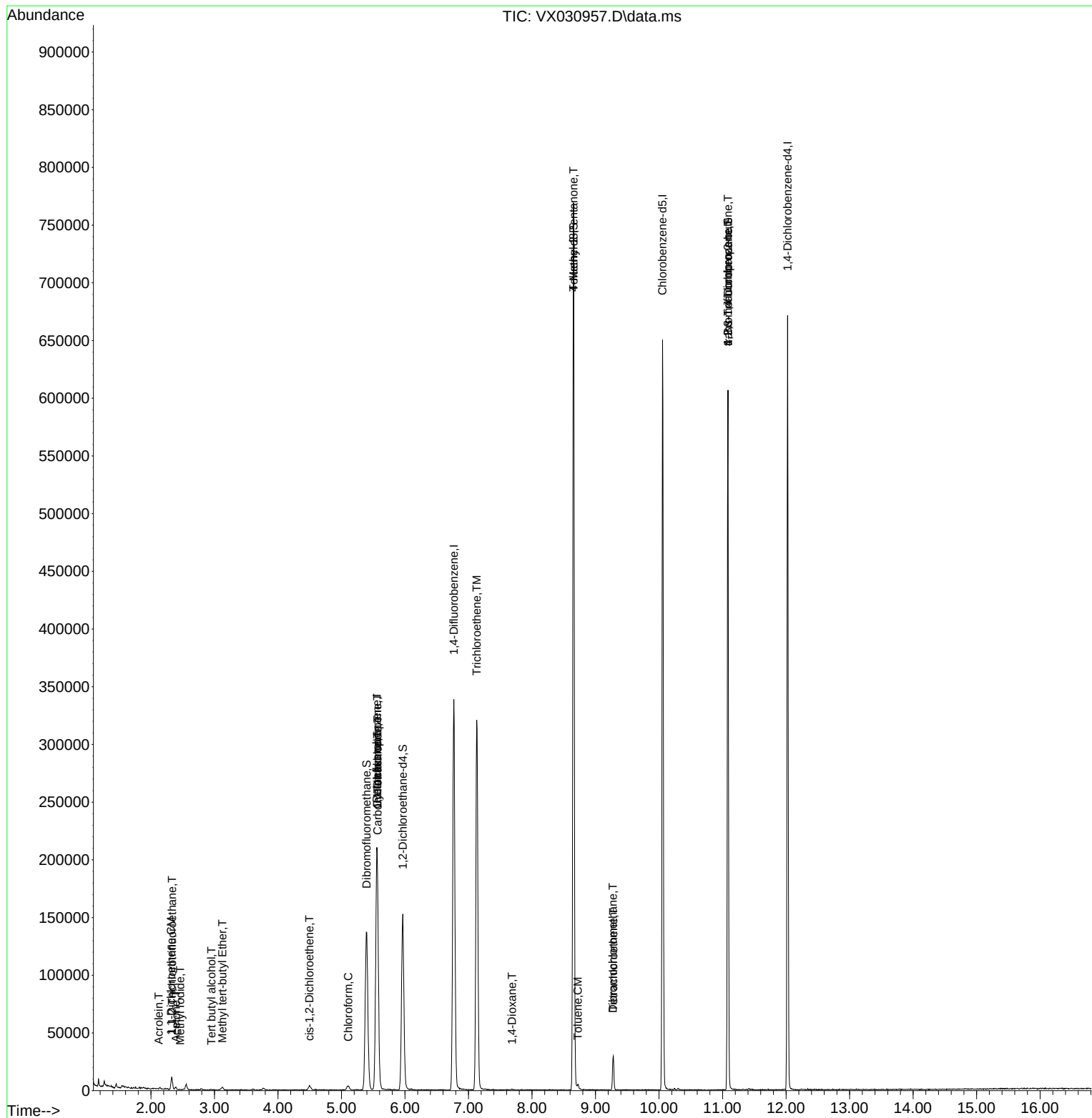
Internal Standards						
1) Pentafluorobenzene	5.555	168	203542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	360309	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	309927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	146988	50.349	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.700%	
35) Dibromofluoromethane	5.397	113	125191	47.135	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.280%	
50) Toluene-d8	8.652	98	473101	48.098	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.200%	
62) 4-Bromofluorobenzene	11.085	95	157625	45.001	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	283	Below Cal	#	2
9) 1,1,2-Trichlorotrifluo...	2.330	101	3579	1.427	ug/l	98
10) Methyl Iodide	2.458	142	117	4.422	ug/l #	61
11) Tert butyl alcohol	2.952	59	243	0.351	ug/l #	74
12) 1,1-Dichloroethene	2.318	96	821	0.332	ug/l #	71
13) Acrolein	2.123	56	33	7.365	ug/l #	14
16) Acetone	2.391	43	2004	1.521	ug/l #	87
19) Methyl tert-butyl Ether	3.123	73	2563	0.318	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	2207	0.714	ug/l	94
30) Chloroform	5.104	83	4681	0.932	ug/l	95
31) Cyclohexane	5.562	56	4195	0.971	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	15907	4.029	ug/l #	49
38) Carbon Tetrachloride	5.568	117	20848	5.547	ug/l #	17
44) Trichloroethene	7.128	130	131438	39.213	ug/l	98
49) 1,4-Dioxane	7.683	88	483	5.701	ug/l #	95
51) 4-Methyl-2-Pentanone	8.652	43	1901	0.447	ug/l #	1
52) Toluene	8.720	92	1623	0.233	ug/l	81
60) Dibromochloromethane	9.274	129	5752	1.919	ug/l #	11
64) Tetrachloroethene	9.280	164	5808	1.981	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	77252	21.774	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	77252	64.739	ug/l #	13

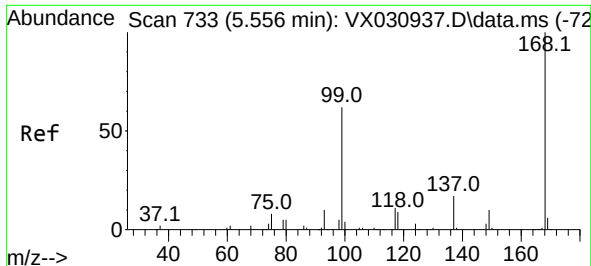
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 30 14:24:53 2022
Response via : Initial Calibration

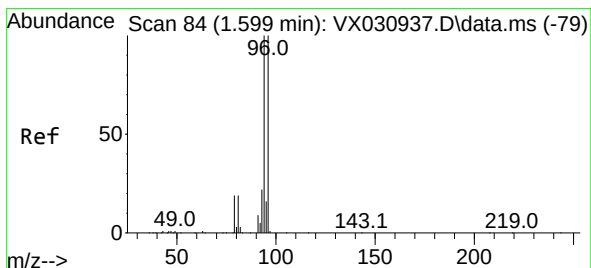
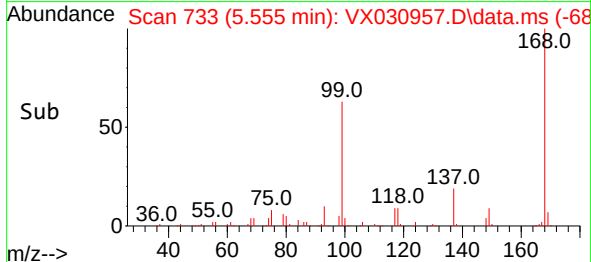
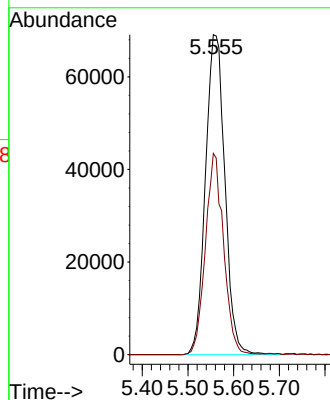
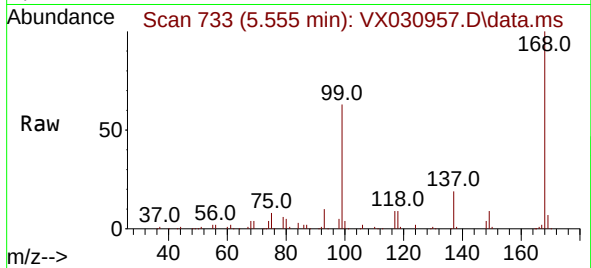




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

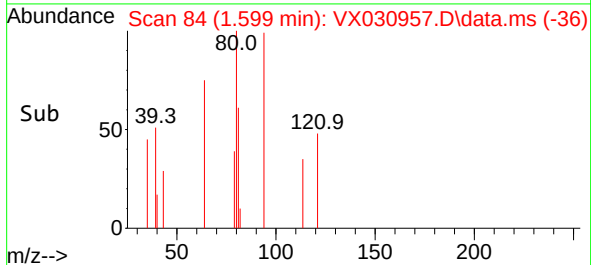
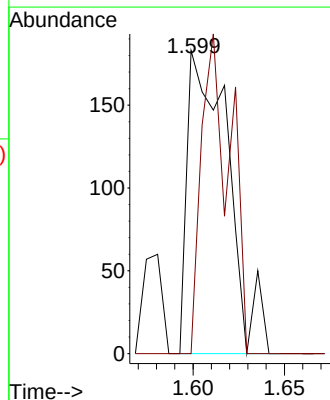
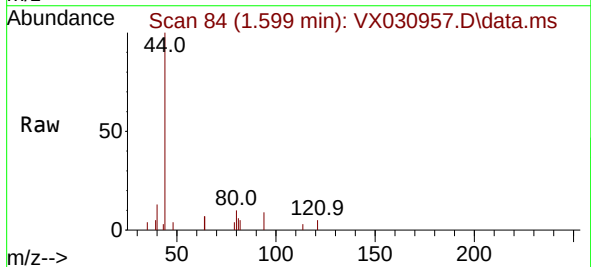
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20220819

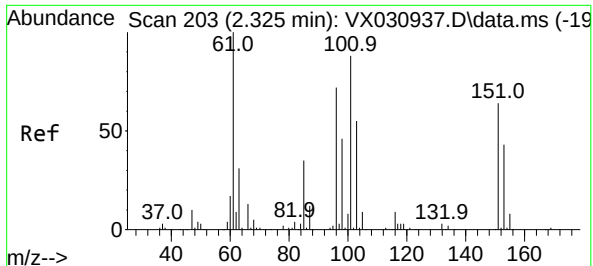
Tgt Ion:168 Resp: 203542
Ion Ratio Lower Upper
168 100
99 62.9 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. -0.006 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

Tgt Ion: 94 Resp: 283
Ion Ratio Lower Upper
94 100
96 0.0 76.9 115.3#

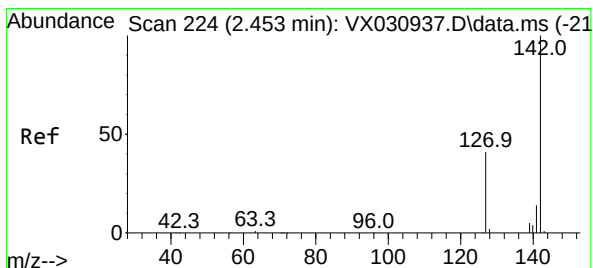
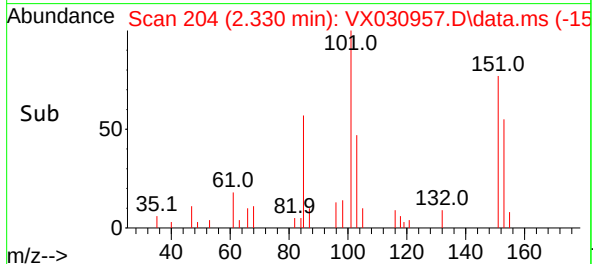
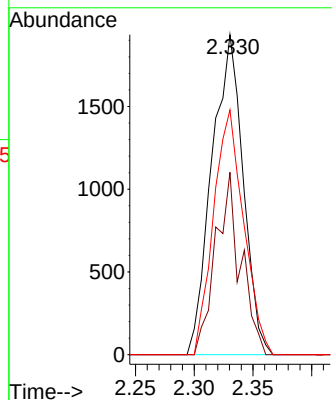
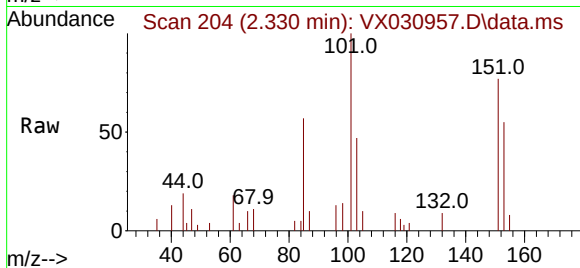




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.427 ug/l
RT: 2.330 min Scan# 203
Delta R.T. 0.005 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

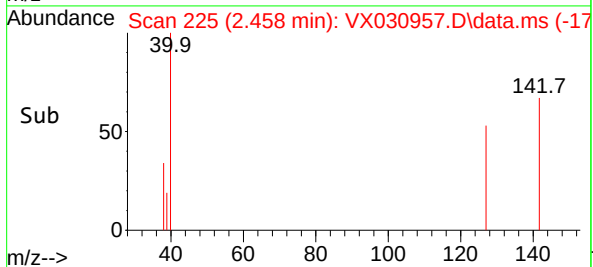
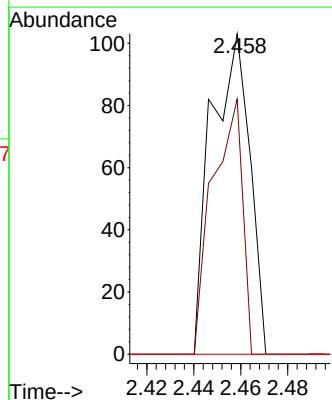
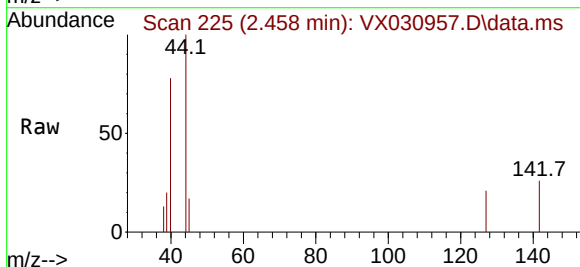
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20220819

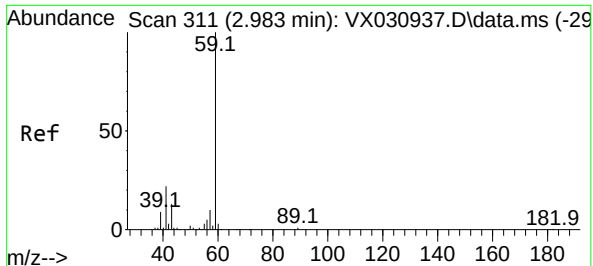
Tgt Ion:101 Resp: 3579
Ion Ratio Lower Upper
101 100
85 45.7 34.0 51.0
151 74.0 59.4 89.0



#10
Methyl Iodide
Concen: 4.422 ug/l
RT: 2.458 min Scan# 225
Delta R.T. 0.005 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

Tgt Ion:142 Resp: 117
Ion Ratio Lower Upper
142 100
127 62.4 30.2 45.2#
141 0.0 11.3 16.9#

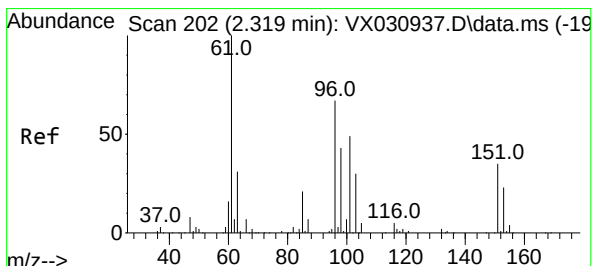
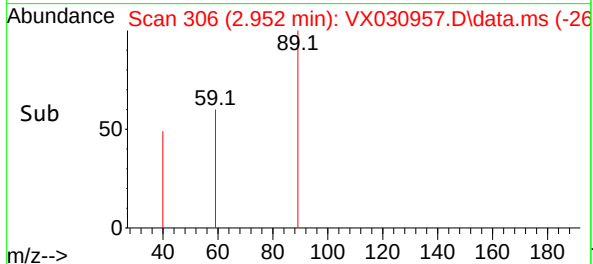
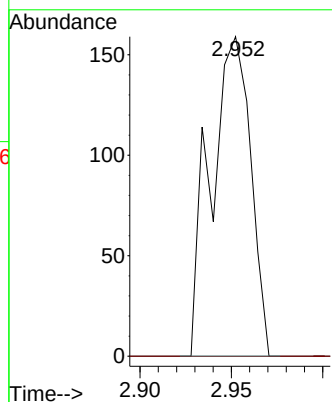
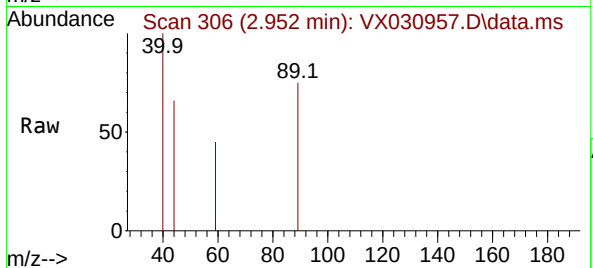




#11
Tert butyl alcohol
Concen: 0.351 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.037 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

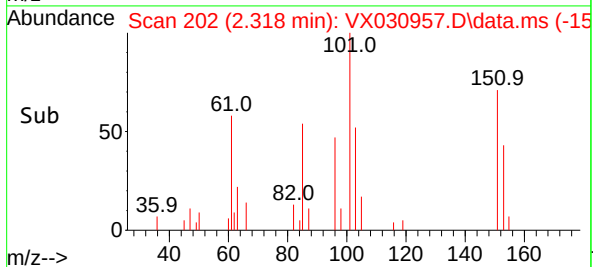
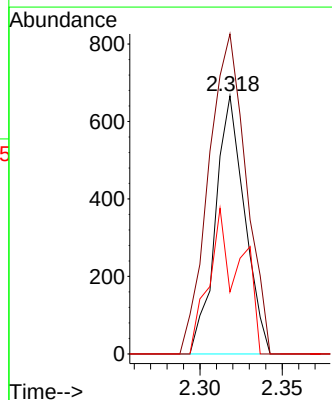
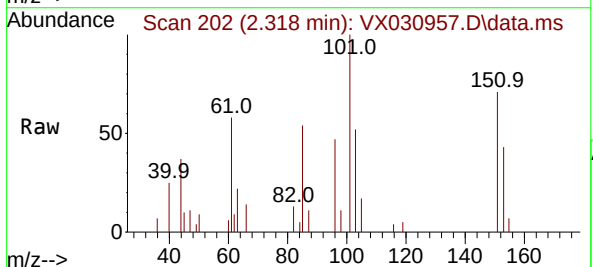
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20220819

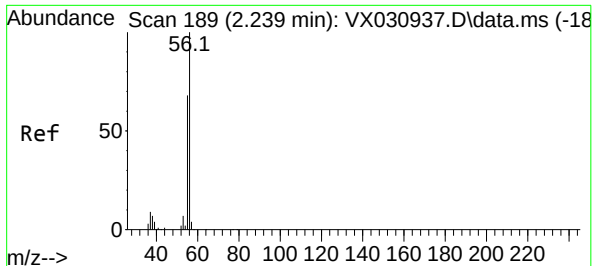
Tgt Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#12
1,1-Dichloroethene
Concen: 0.332 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.001 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

Tgt Ion: 96 Resp: 821
Ion Ratio Lower Upper
96 100
61 124.0 117.4 176.0
98 24.0 52.2 78.4#

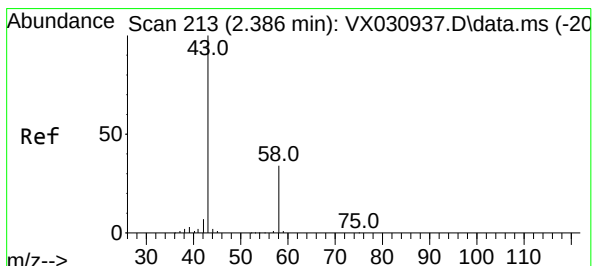
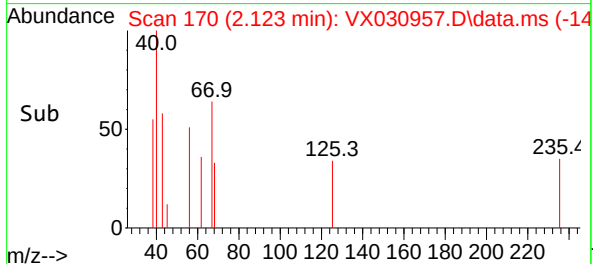
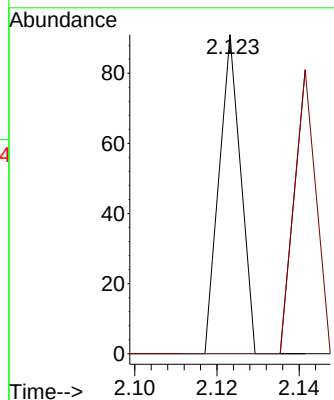
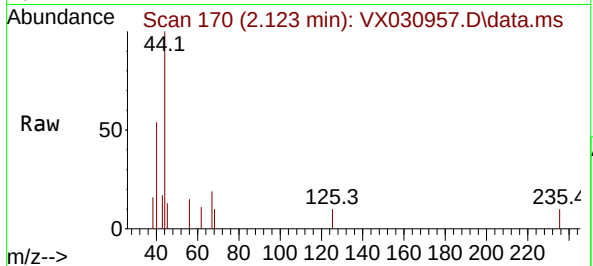




#13
Acrolein
Concen: 7.365 ug/l
RT: 2.123 min Scan# 11
Delta R.T. -0.116 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

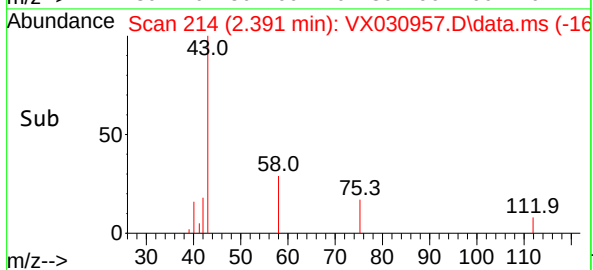
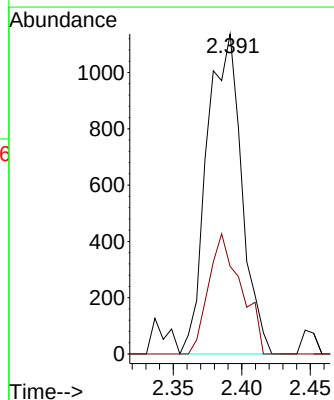
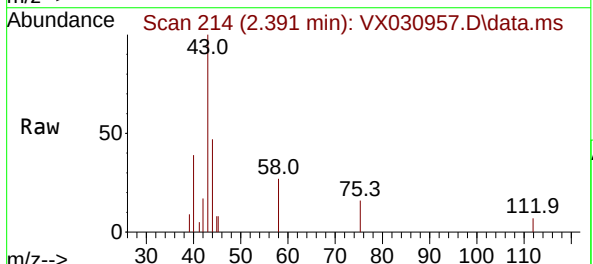
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20220819

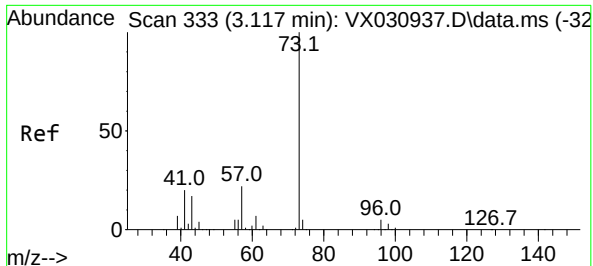
Tgt Ion: 56 Resp: 33
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 1.521 ug/l
RT: 2.391 min Scan# 214
Delta R.T. 0.005 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

Tgt Ion: 43 Resp: 2004
Ion Ratio Lower Upper
43 100
58 27.4 27.7 41.5#

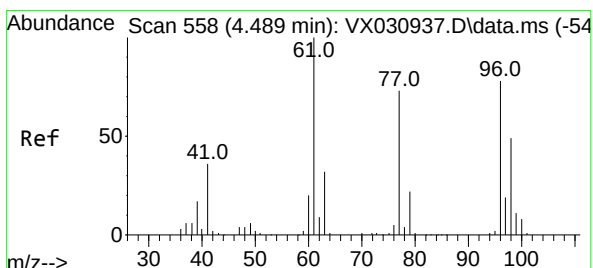
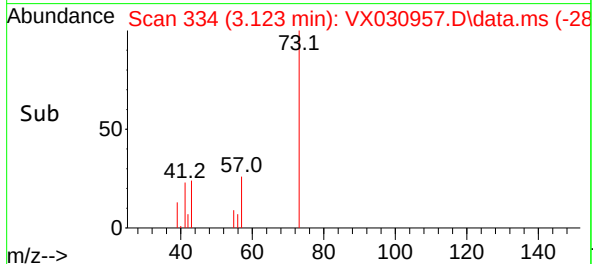
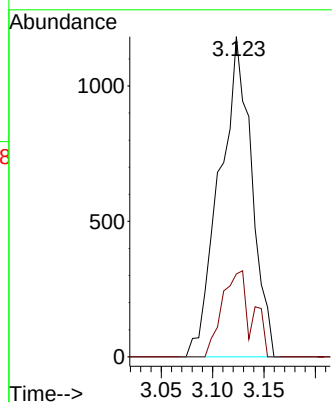
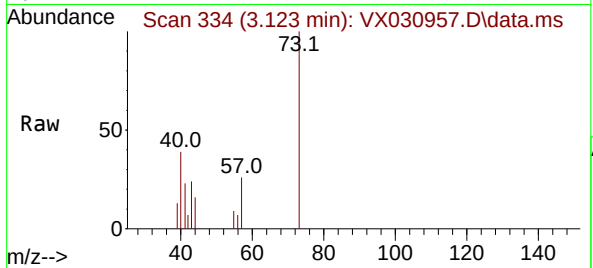




#19
Methyl tert-butyl Ether
Concen: 0.318 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

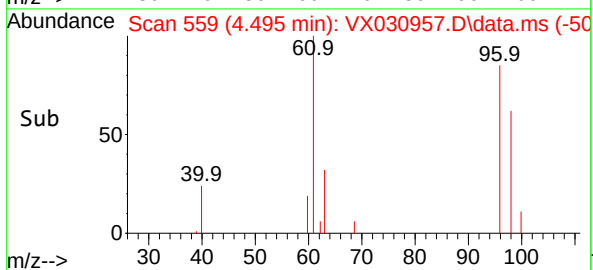
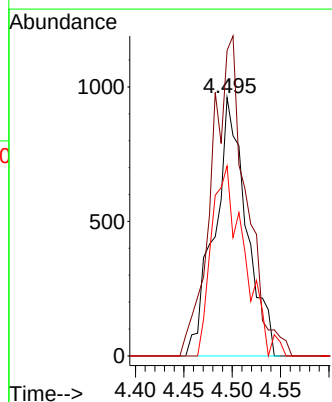
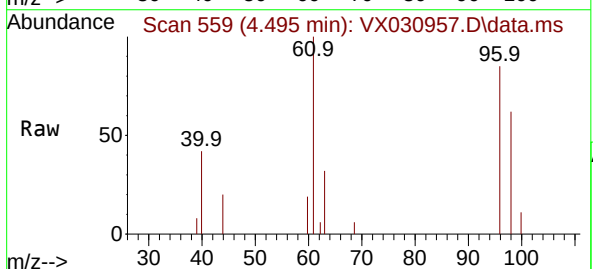
Instrument :
MSVOA_X
ClientSampleId :
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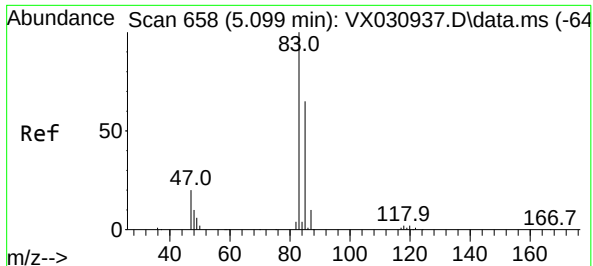
Tgt Ion: 73 Resp: 2563
Ion Ratio Lower Upper
73 100
57 25.9 19.0 28.6



#27
cis-1,2-Dichloroethene
Concen: 0.714 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

Tgt Ion: 96 Resp: 2207
Ion Ratio Lower Upper
96 100
61 133.9 0.0 270.0
98 76.1 0.0 127.8





#30

Chloroform

Concen: 0.932 ug/l

RT: 5.104 min Scan# 61

Delta R.T. 0.005 min

Lab File: VX030957.D

Acq: 30 Aug 2022 22:29

Instrument :

MSVOA_X

ClientSampleId :

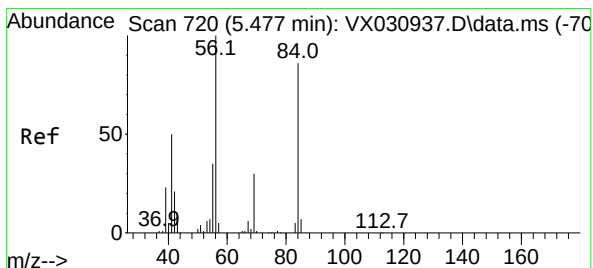
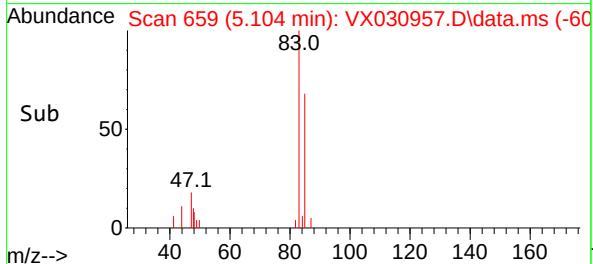
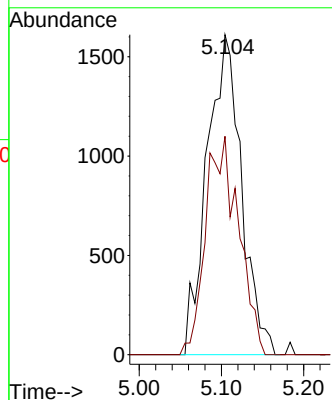
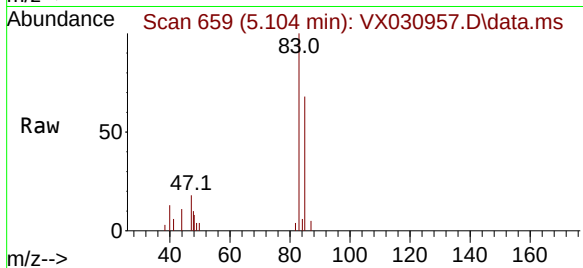
RE132D1-20220819

Tgt Ion: 83 Resp: 4681

Ion Ratio Lower Upper

83 100

85 68.3 51.5 77.3



#31

Cyclohexane

Concen: 0.971 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX030957.D

Acq: 30 Aug 2022 22:29

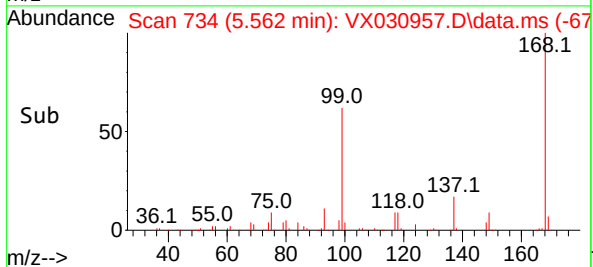
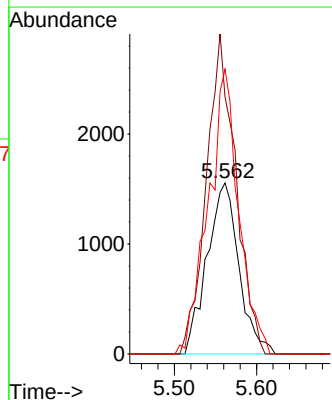
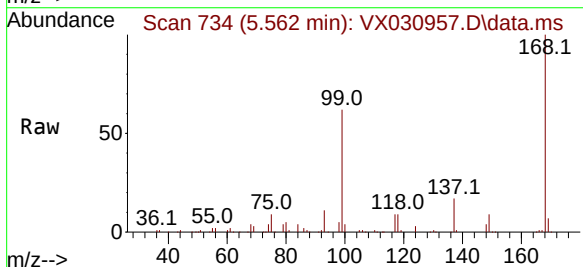
Tgt Ion: 56 Resp: 4195

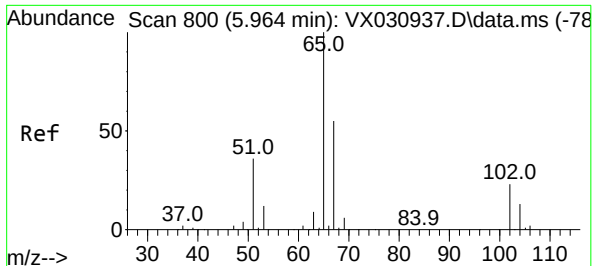
Ion Ratio Lower Upper

56 100

69 150.5 25.4 38.0#

84 166.6 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 50.349 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030957.D

Acq: 30 Aug 2022 22:29

Instrument :

MSVOA_X

ClientSampleId :

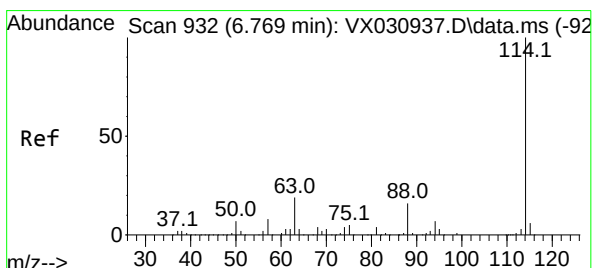
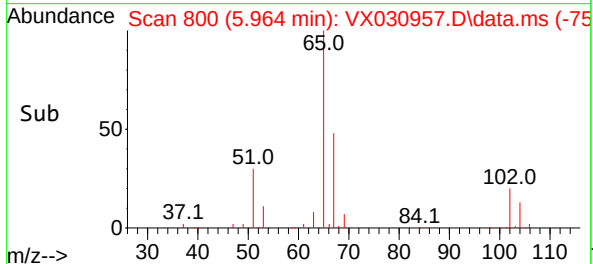
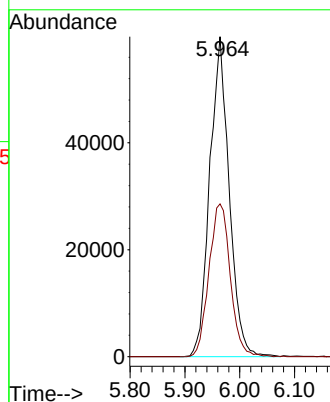
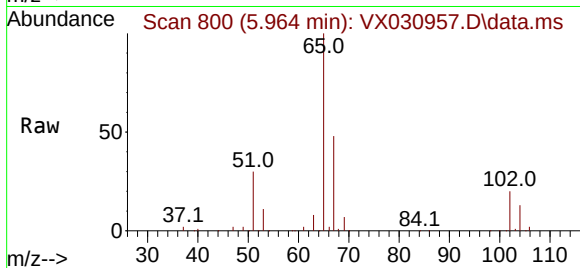
RE132D1-20220819

Tgt Ion: 65 Resp: 146988

Ion Ratio Lower Upper

65 100

67 52.4 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: VX030957.D

Acq: 30 Aug 2022 22:29

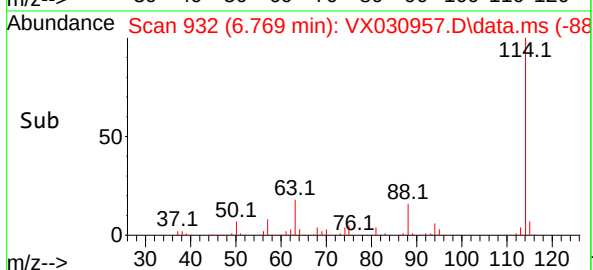
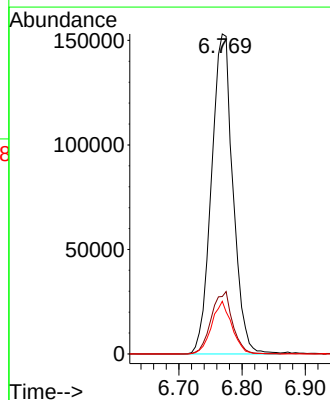
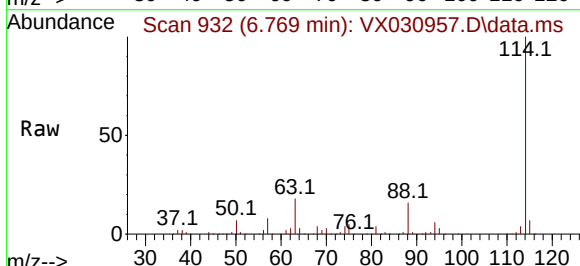
Tgt Ion: 114 Resp: 360309

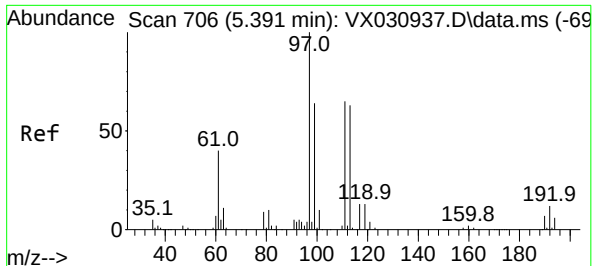
Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.4

88 16.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.135 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030957.D

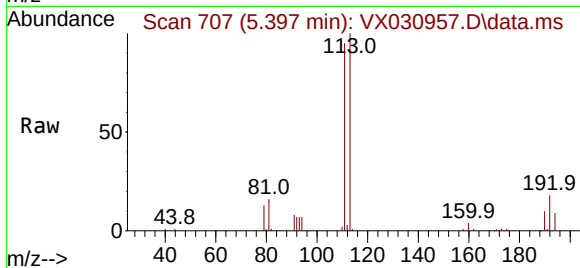
Acq: 30 Aug 2022 22:29

Instrument :

MSVOA_X

ClientSampleId :

RE132D1-20220819



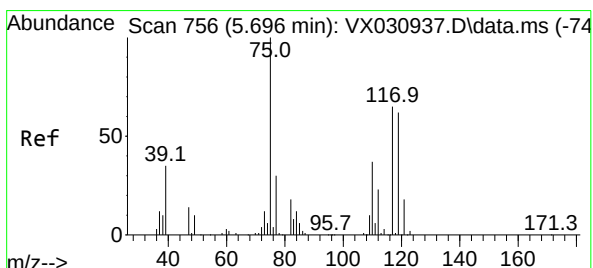
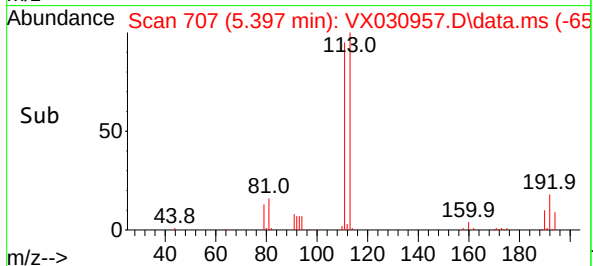
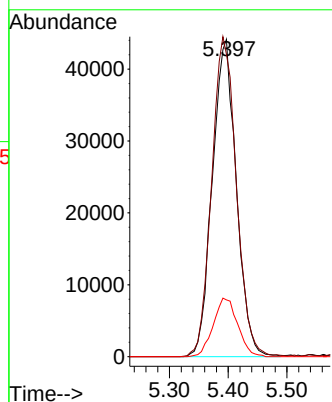
Tgt Ion:113 Resp: 125191

Ion Ratio Lower Upper

113 100

111 103.6 83.2 124.8

192 18.8 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.029 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX030957.D

Acq: 30 Aug 2022 22:29

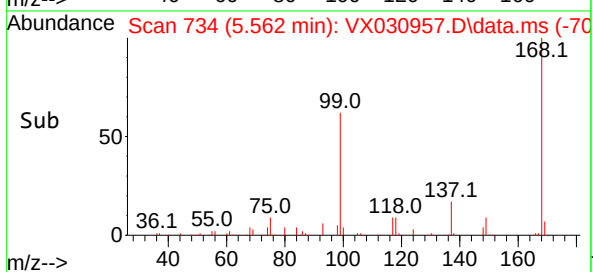
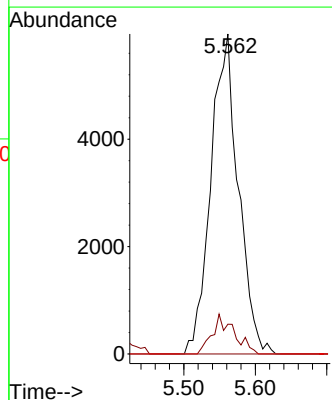
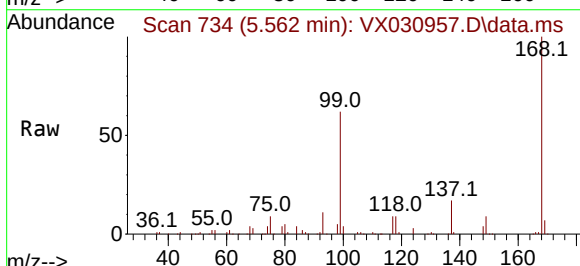
Tgt Ion: 75 Resp: 15907

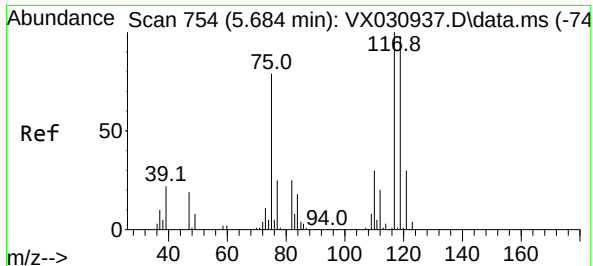
Ion Ratio Lower Upper

75 100

110 9.9 19.3 57.9#

77 0.0 24.4 36.6#

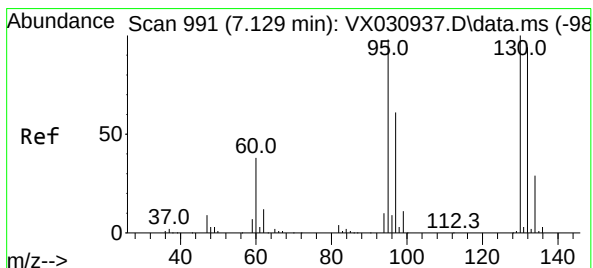
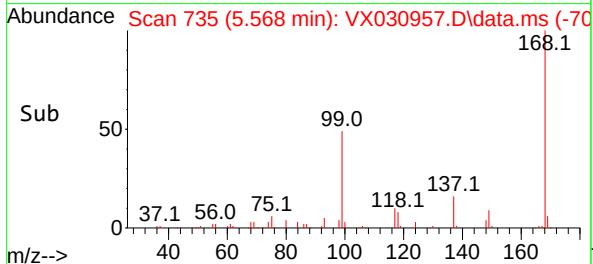
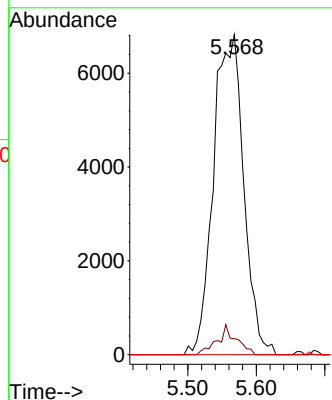
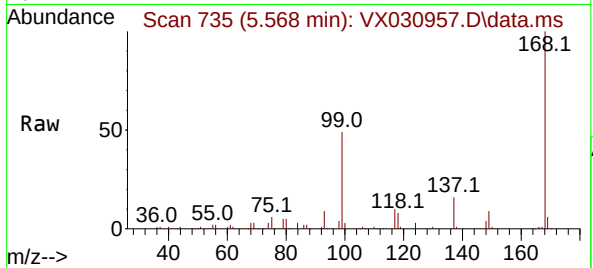




#38
Carbon Tetrachloride
Concen: 5.547 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

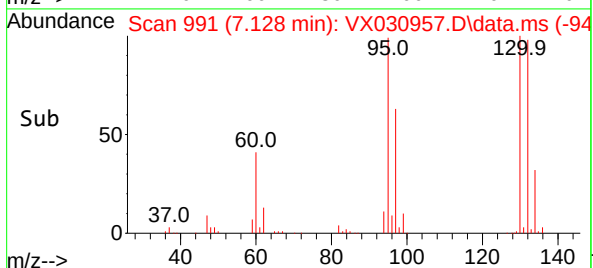
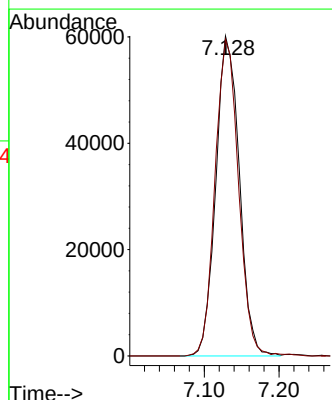
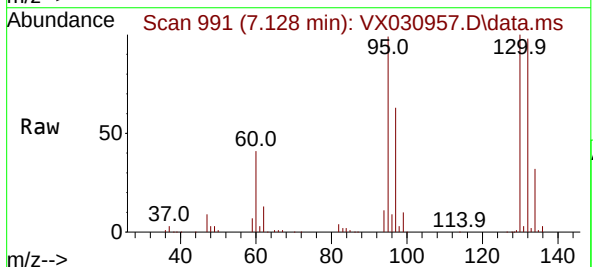
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20220819

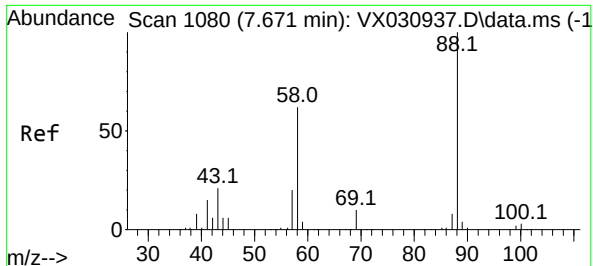
Tgt Ion:117 Resp: 20848
Ion Ratio Lower Upper
117 100
119 5.0 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 39.213 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.001 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

Tgt Ion:130 Resp: 131438
Ion Ratio Lower Upper
130 100
95 99.0 0.0 194.8





#49

1,4-Dioxane

Concen: 5.701 ug/l

RT: 7.683 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VX030957.D

Acq: 30 Aug 2022 22:29

Instrument :

MSVOA_X

ClientSampleId :

RE132D1-20220819

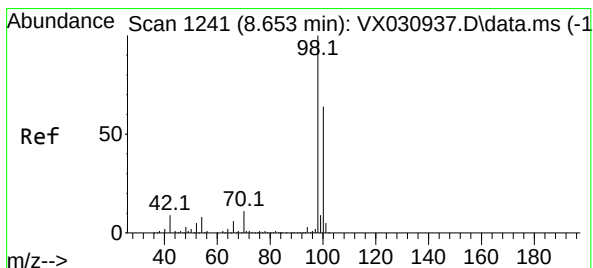
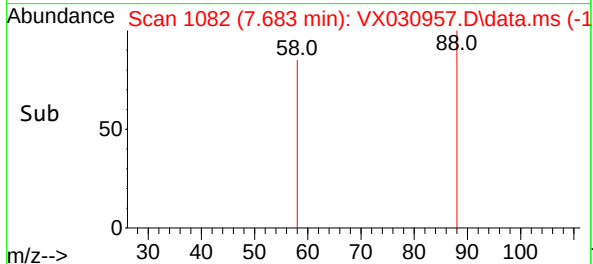
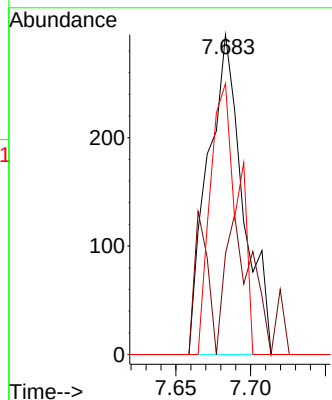
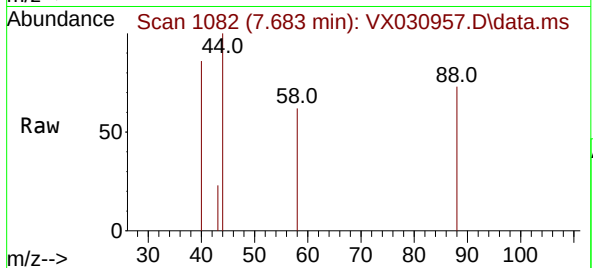
Tgt Ion: 88 Resp: 483

Ion Ratio Lower Upper

88 100

43 37.5 23.8 35.8#

58 67.7 53.8 80.6



#50

Toluene-d8

Concen: 48.098 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.001 min

Lab File: VX030957.D

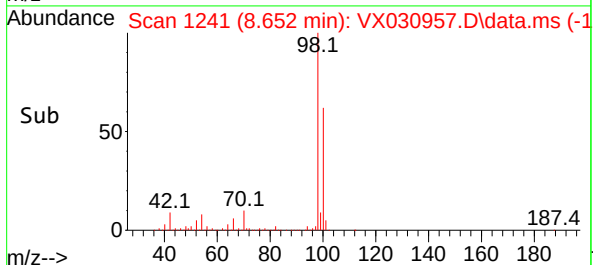
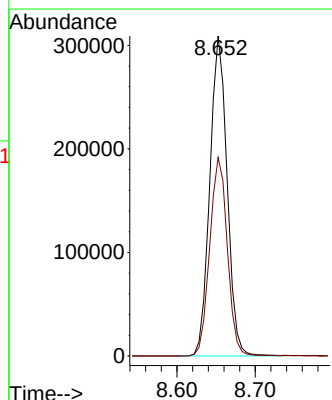
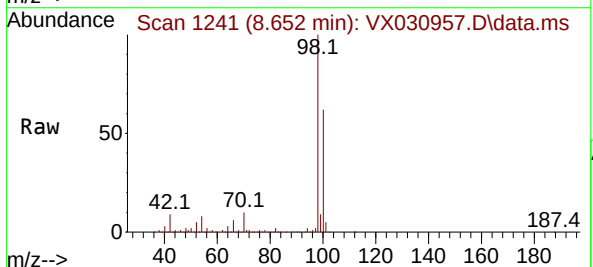
Acq: 30 Aug 2022 22:29

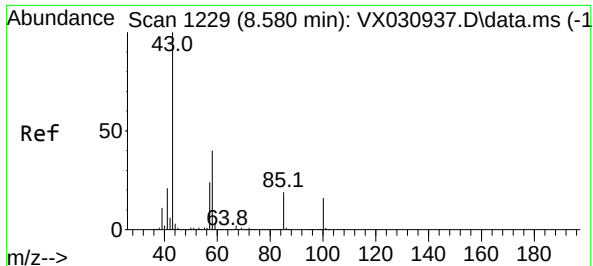
Tgt Ion: 98 Resp: 473101

Ion Ratio Lower Upper

98 100

100 63.2 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.447 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. 0.072 min

Lab File: VX030957.D

Acq: 30 Aug 2022 22:29

Instrument :

MSVOA_X

ClientSampleId :

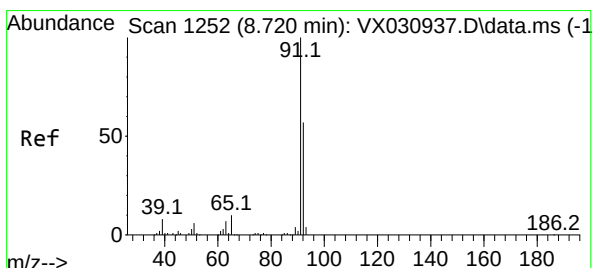
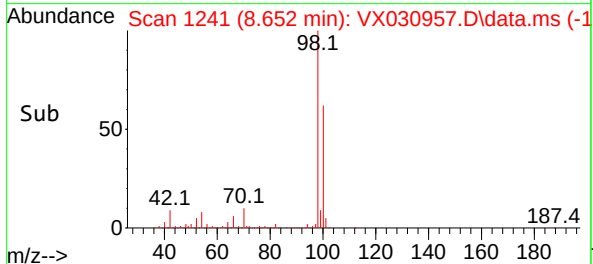
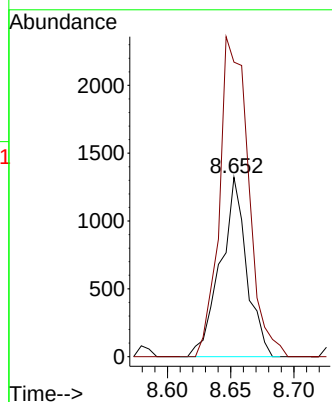
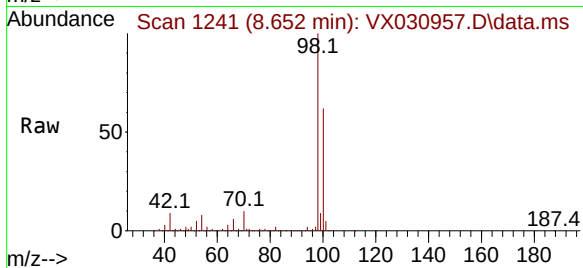
RE132D1-20220819

Tgt Ion: 43 Resp: 1901

Ion Ratio Lower Upper

43 100

58 197.9 31.4 47.2#



#52

Toluene

Concen: 0.233 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX030957.D

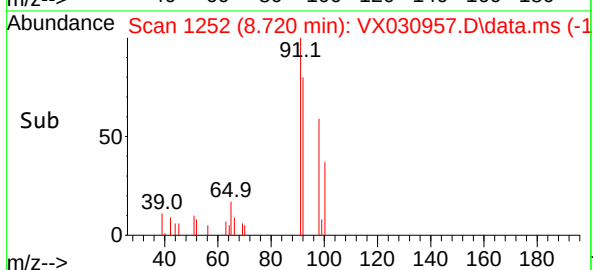
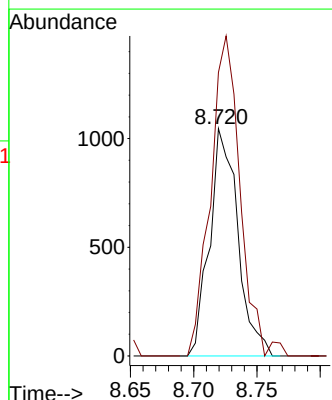
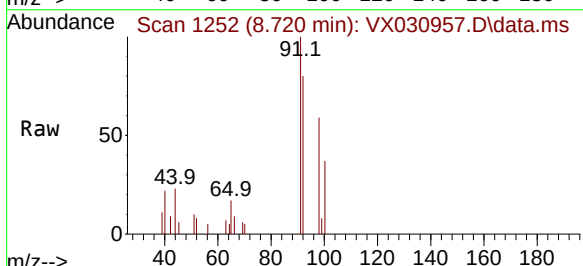
Acq: 30 Aug 2022 22:29

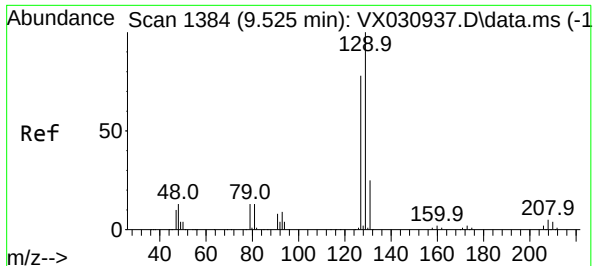
Tgt Ion: 92 Resp: 1623

Ion Ratio Lower Upper

92 100

91 148.2 139.2 208.8

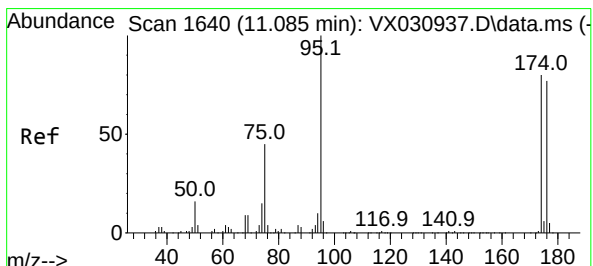
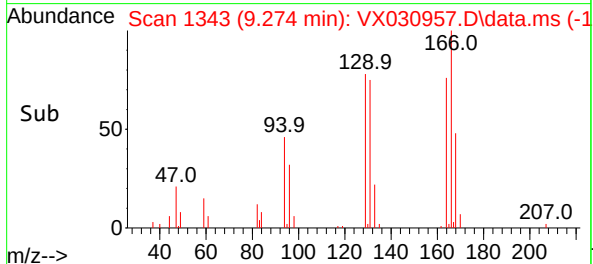
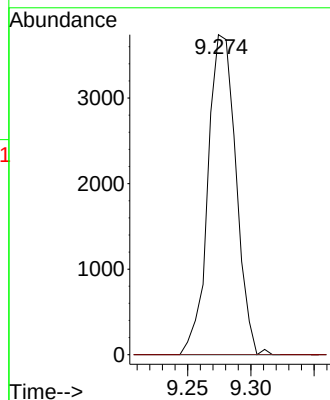
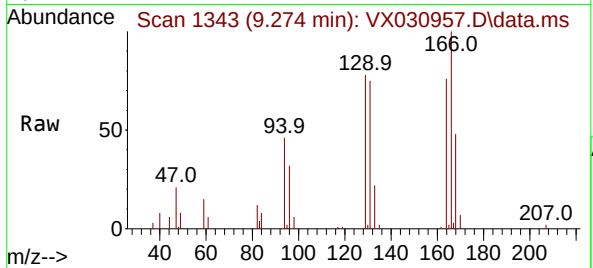




#60
Dibromochloromethane
Concen: 1.919 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.251 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

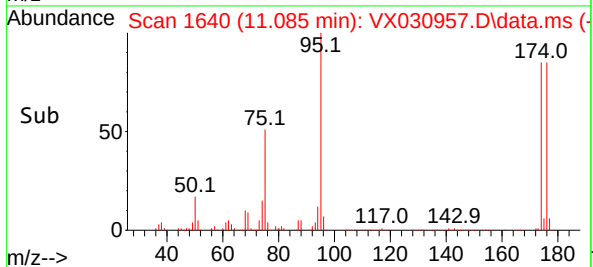
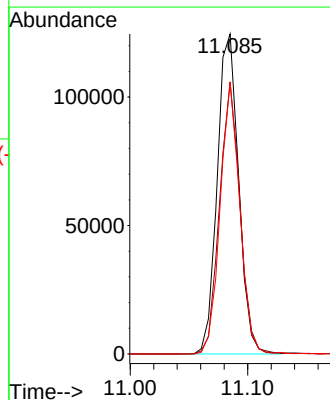
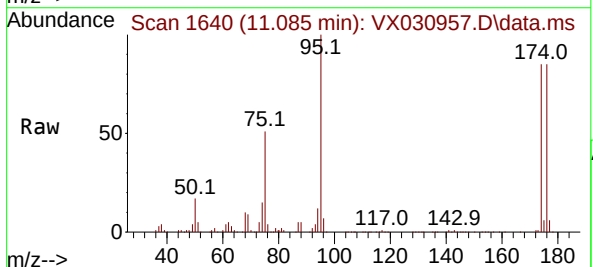
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20220819

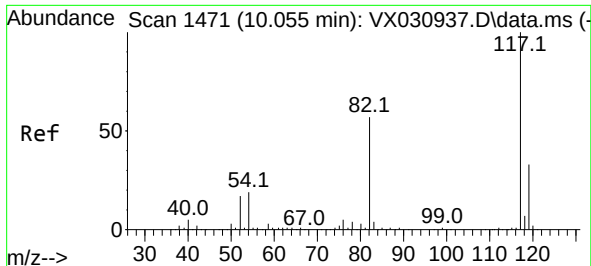
Tgt Ion:129 Resp: 5752
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 45.001 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

Tgt Ion: 95 Resp: 157625
Ion Ratio Lower Upper
95 100
174 81.3 0.0 149.0
176 78.0 0.0 146.0

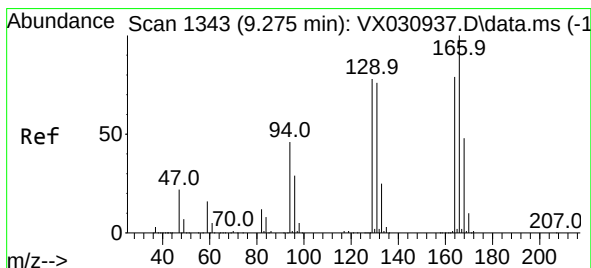
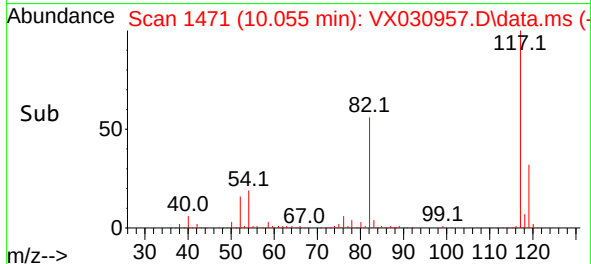
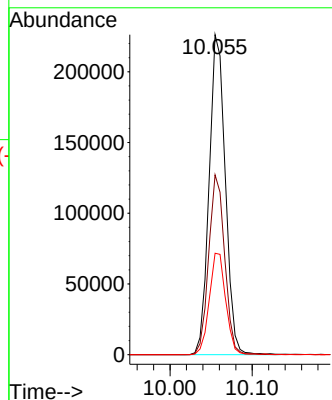
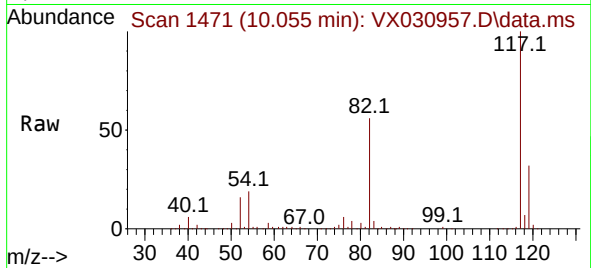




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

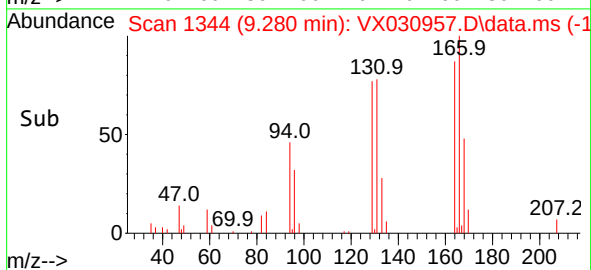
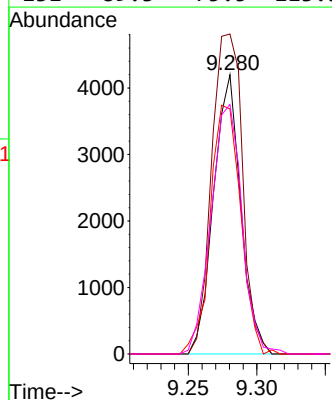
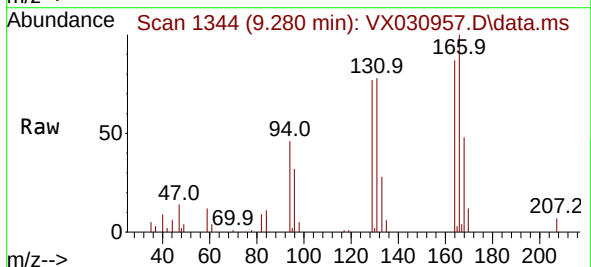
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20220819

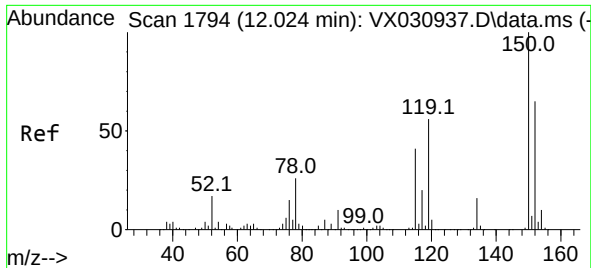
Tgt Ion:117 Resp: 309927
Ion Ratio Lower Upper
117 100
82 56.2 42.7 64.1
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 1.981 ug/l
RT: 9.280 min Scan# 1344
Delta R.T. 0.005 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

Tgt Ion:164 Resp: 5808
Ion Ratio Lower Upper
164 100
166 114.6 98.2 147.4
129 87.7 80.8 121.2
131 89.3 75.5 113.3

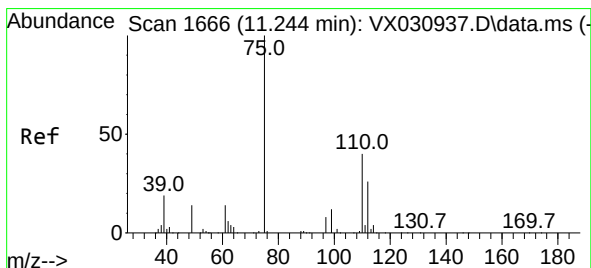
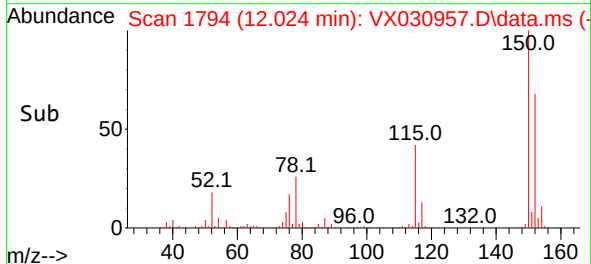
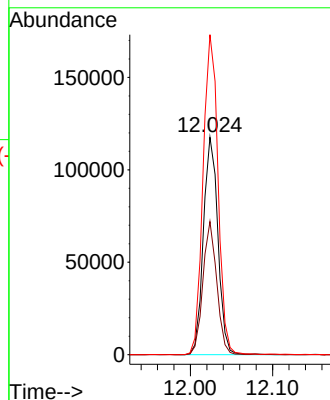
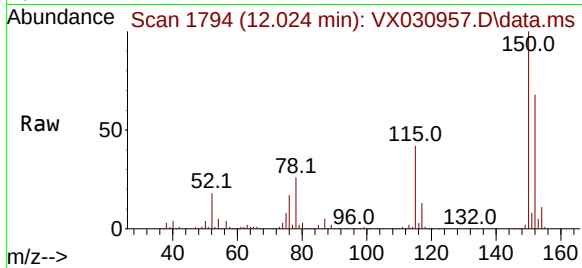




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX030957.D
 Acq: 30 Aug 2022 22:29

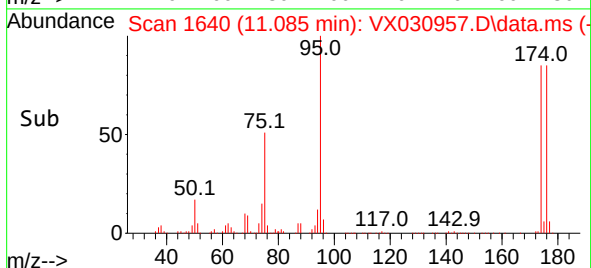
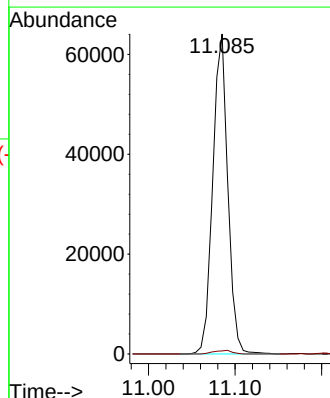
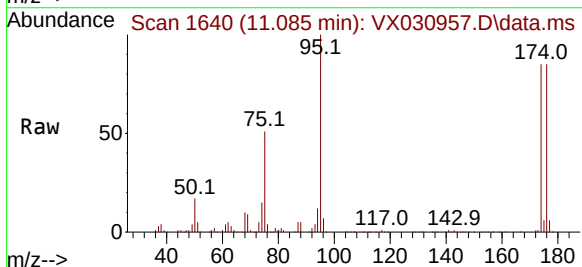
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D1-20220819

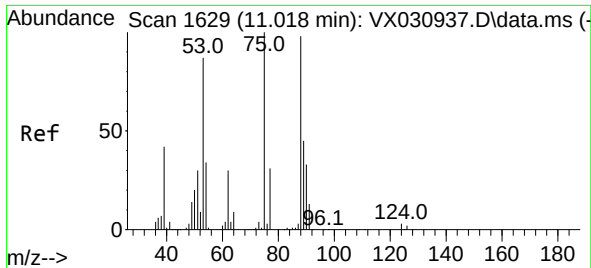
Tgt Ion:152 Resp: 144110
 Ion Ratio Lower Upper
 152 100
 115 58.4 40.5 121.5
 150 151.7 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 21.774 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030957.D
 Acq: 30 Aug 2022 22:29

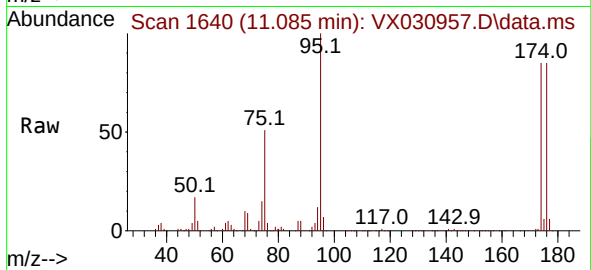
Tgt Ion: 75 Resp: 77252
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.739 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030957.D
 Acq: 30 Aug 2022 22:29

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D1-20220819



Tgt Ion: 75 Resp: 77252
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

