

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: Aug 31 03:17:57 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)

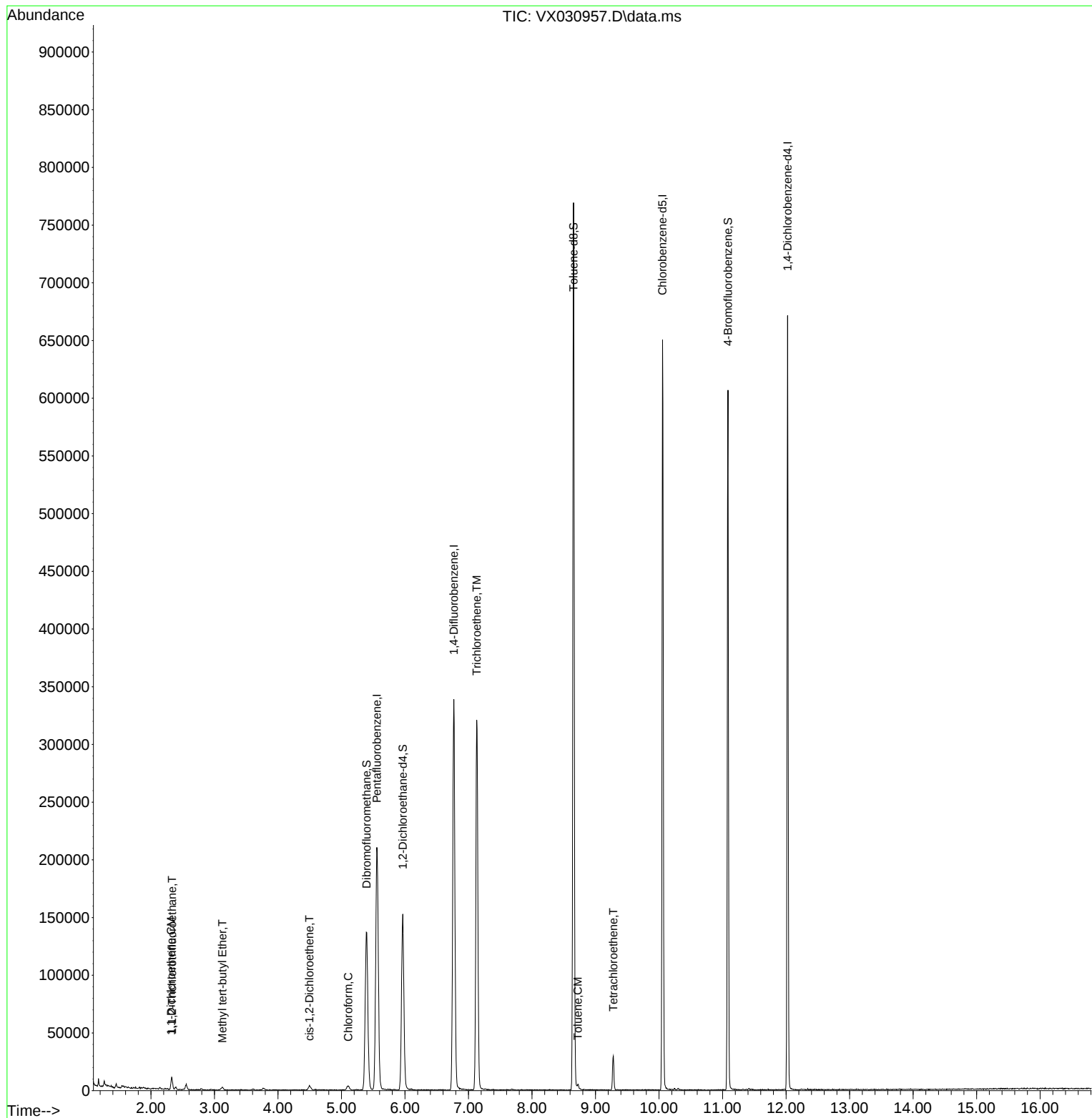
Internal Standards						
1) Pentafluorobenzene	5.555	168	203542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	360309	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	309927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
9) 1,1,2-Trichlorotrifluo...	2.330	101	3579	1.427	ug/l	98
12) 1,1-Dichloroethene	2.318	96	821	0.332	ug/l #	71
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
44) Trichloroethene	7.128	130	131438	39.213	ug/l	98
52) Toluene	8.720	92	1623	0.233	ug/l	81
64) Tetrachloroethene	9.280	164	5808	1.981	ug/l	91

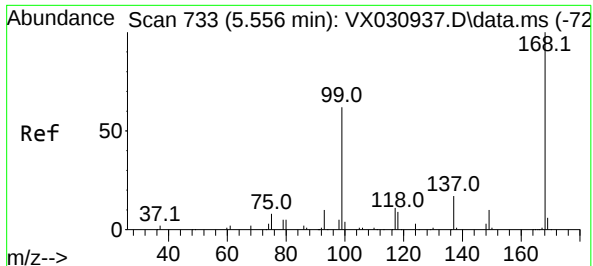
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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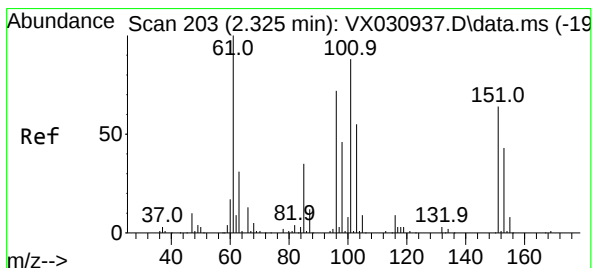
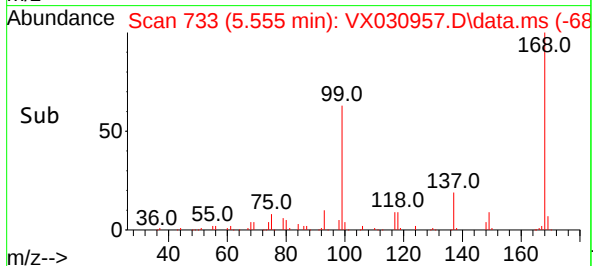
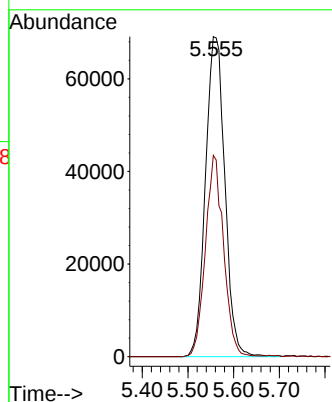
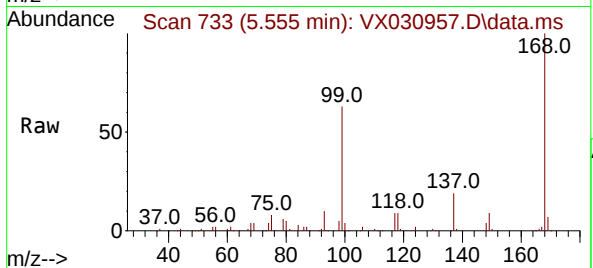




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

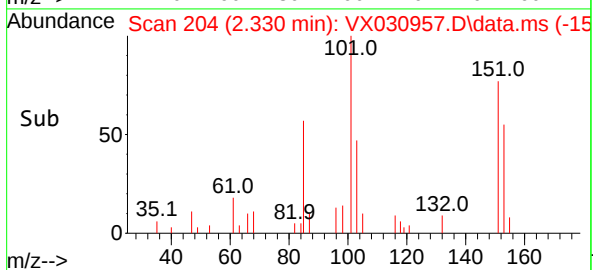
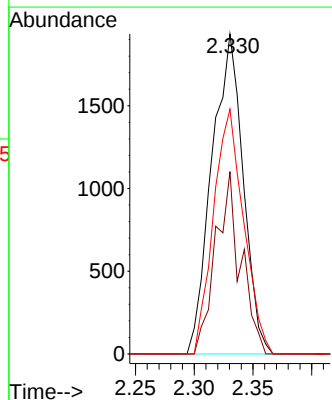
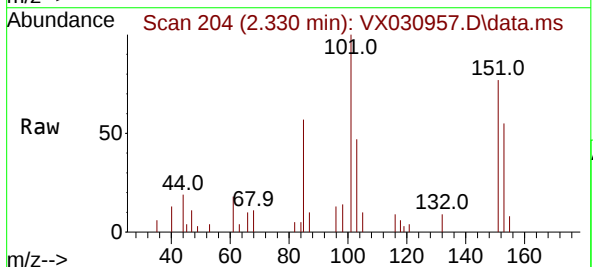
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20220819

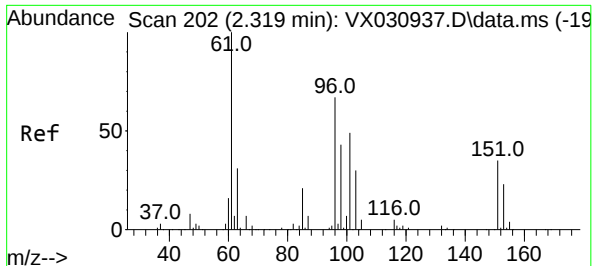
Tgt Ion:168 Resp: 203542
Ion Ratio Lower Upper
168 100
99 62.9 44.0 66.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.427 ug/l
RT: 2.330 min Scan# 204
Delta R.T. 0.005 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

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





#12

1,1-Dichloroethene

Concen: 0.332 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.001 min

Lab File: VX030957.D

Acq: 30 Aug 2022 22:29

Instrument :

MSVOA_X

ClientSampleId :

RE132D1-20220819

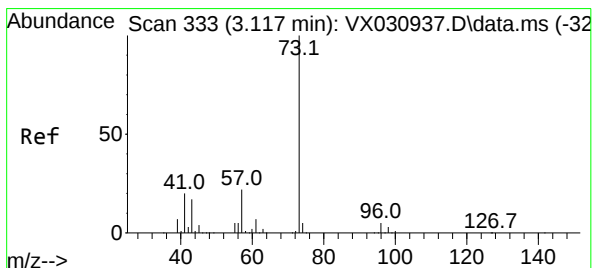
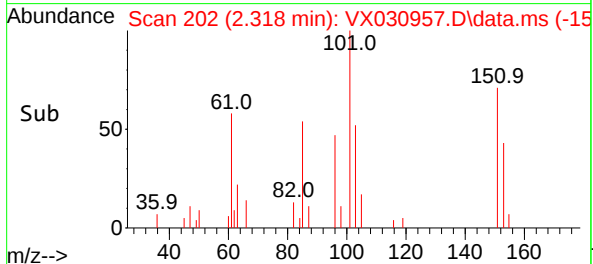
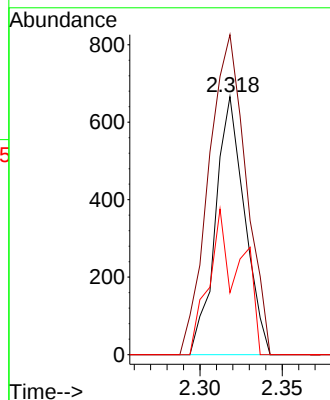
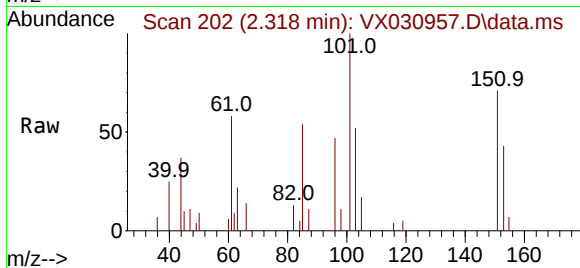
Tgt Ion: 96 Resp: 821

Ion Ratio Lower Upper

96 100

61 124.0 117.4 176.0

98 24.0 52.2 78.4#



#19

Methyl tert-butyl Ether

Concen: 0.318 ug/l

RT: 3.123 min Scan# 334

Delta R.T. 0.006 min

Lab File: VX030957.D

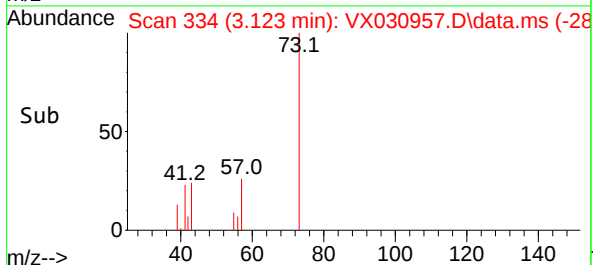
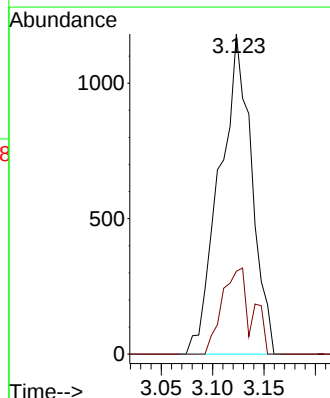
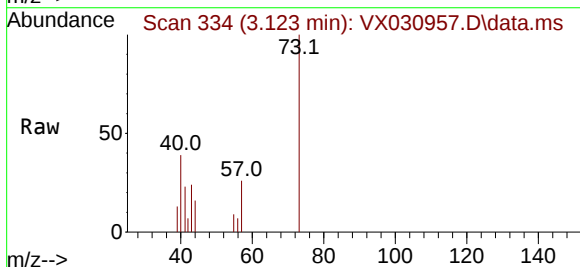
Acq: 30 Aug 2022 22:29

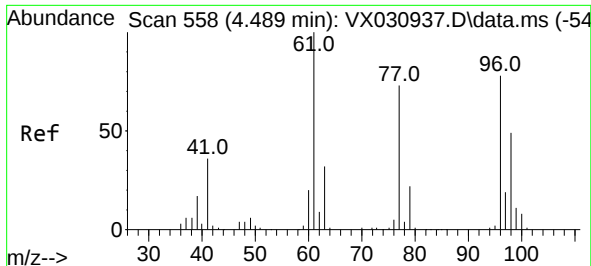
Tgt Ion: 73 Resp: 2563

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# 51

Delta R.T. 0.006 min

Lab File: VX030957.D

Acq: 30 Aug 2022 22:29

Instrument :

MSVOA_X

ClientSampleId :

RE132D1-20220819

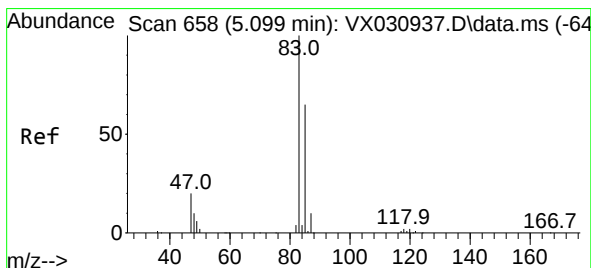
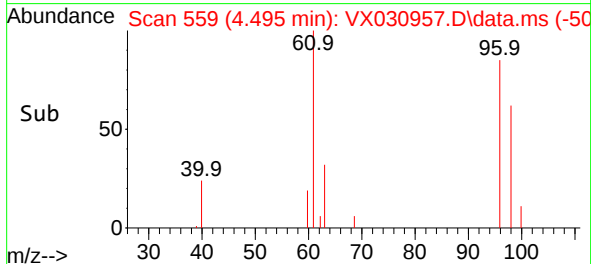
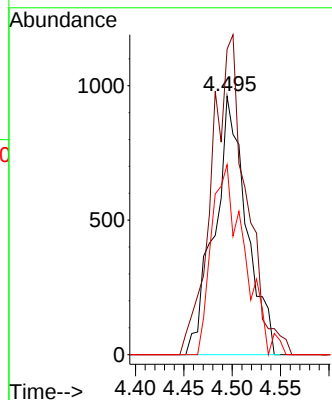
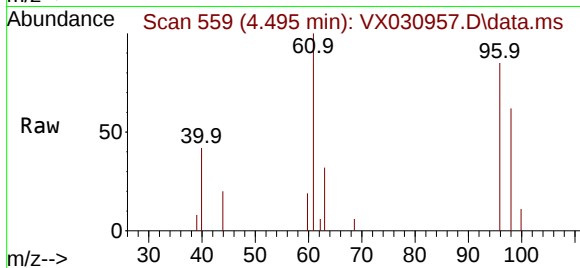
Tgt Ion: 96 Resp: 2207

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# 659

Delta R.T. 0.005 min

Lab File: VX030957.D

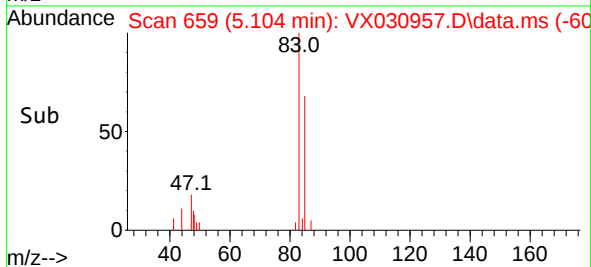
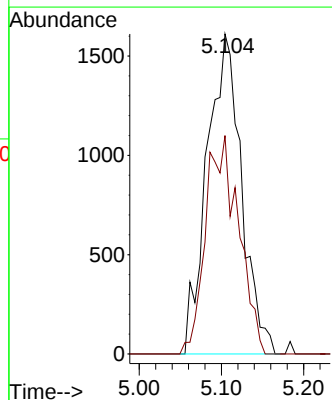
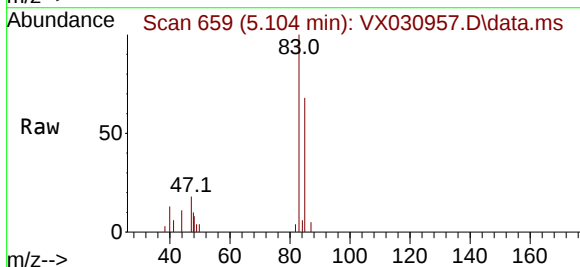
Acq: 30 Aug 2022 22:29

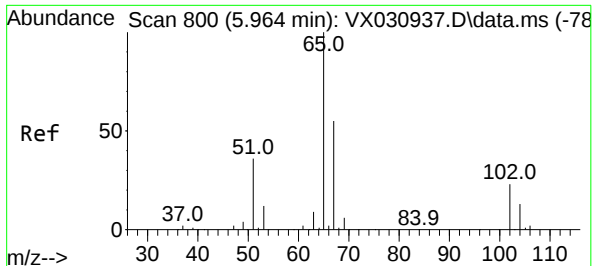
Tgt Ion: 83 Resp: 4681

Ion Ratio Lower Upper

83 100

85 68.3 51.5 77.3





#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 :

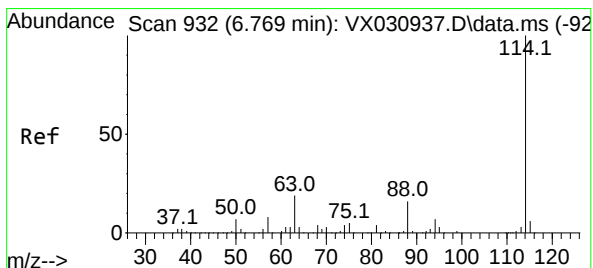
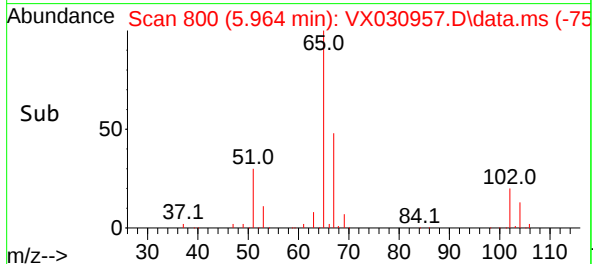
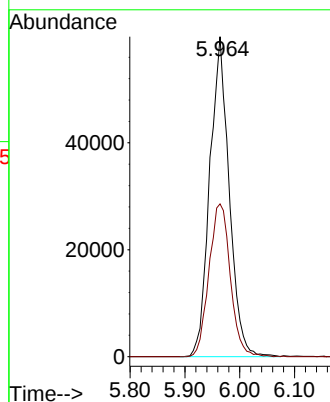
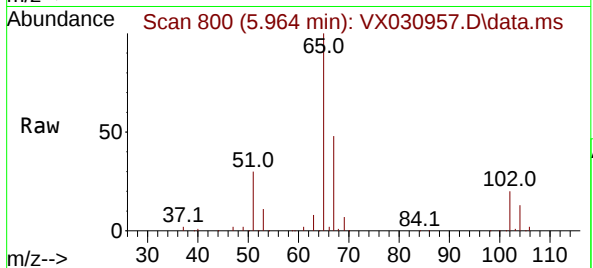
RE132D1-20220819

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

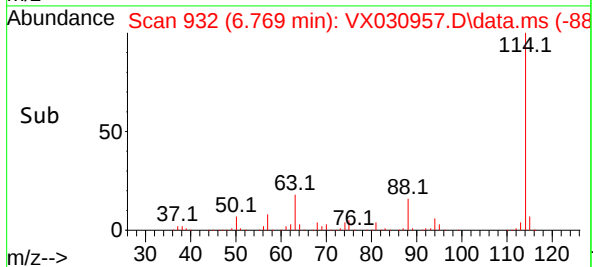
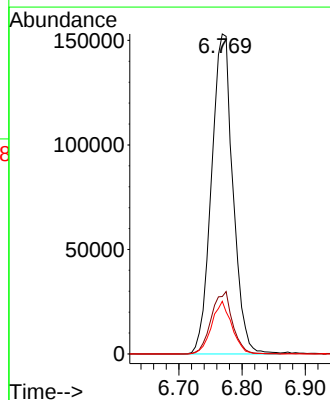
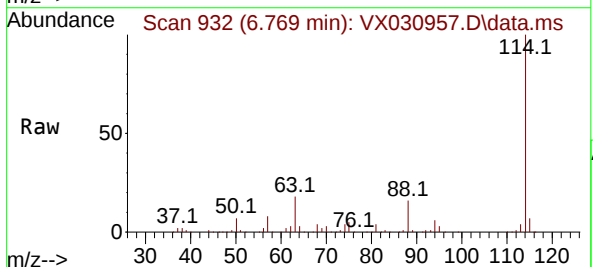
Tgt Ion: 114 Resp: 360309

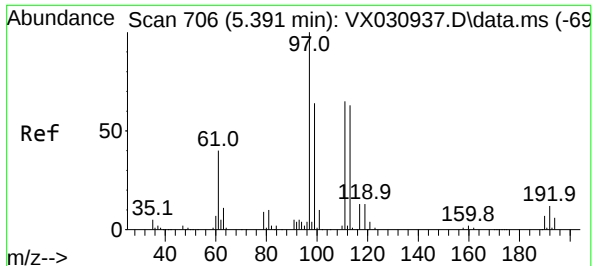
Ion Ratio Lower Upper

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

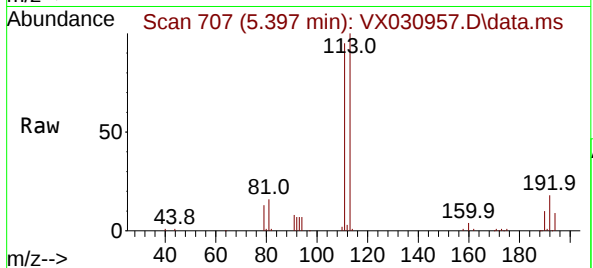
Acq: 30 Aug 2022 22:29

Instrument :

MSVOA_X

ClientSampleId :

RE132D1-20220819



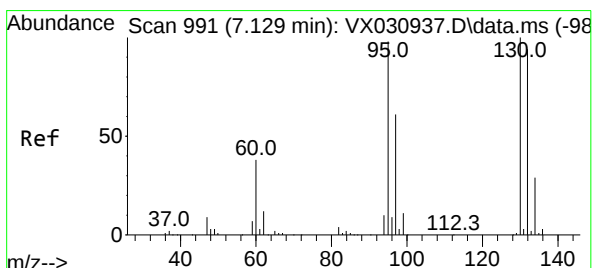
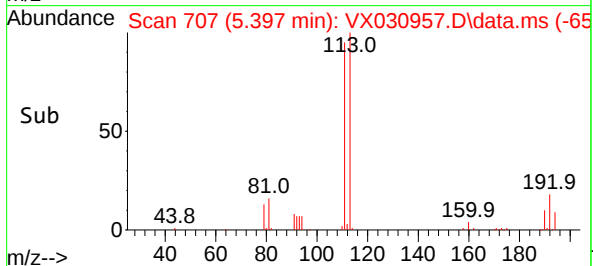
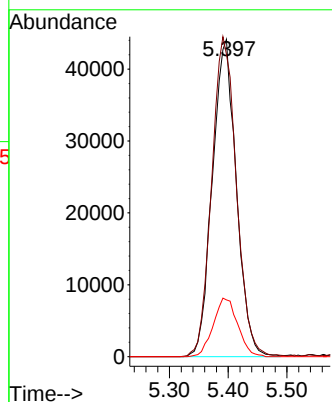
Tgt Ion:113 Resp: 125191

Ion Ratio Lower Upper

113 100

111 103.6 83.2 124.8

192 18.8 14.8 22.2



#44

Trichloroethene

Concen: 39.213 ug/l

RT: 7.128 min Scan# 991

Delta R.T. -0.001 min

Lab File: VX030957.D

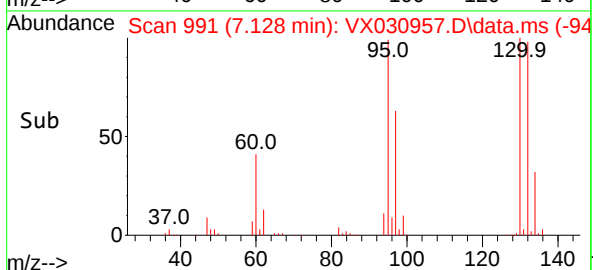
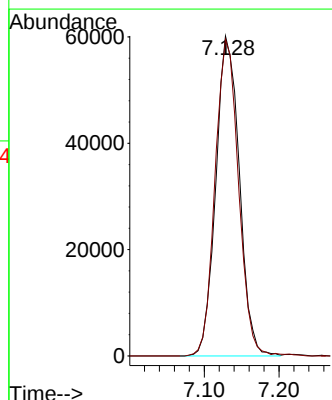
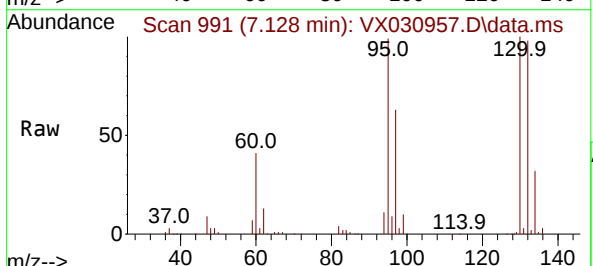
Acq: 30 Aug 2022 22:29

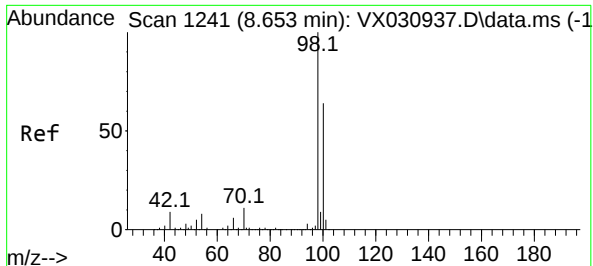
Tgt Ion:130 Resp: 131438

Ion Ratio Lower Upper

130 100

95 99.0 0.0 194.8

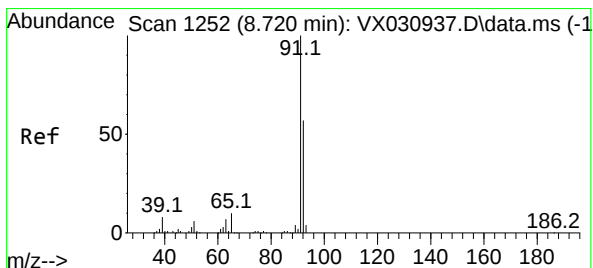
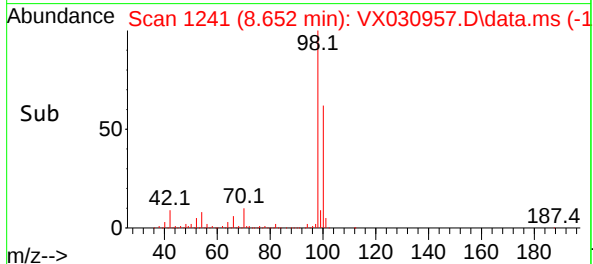
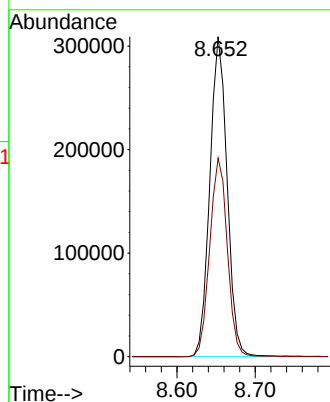
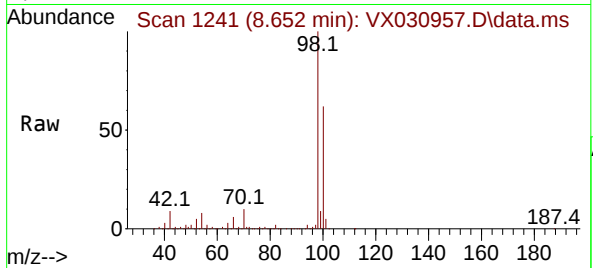




#50
Toluene-d8
Concen: 48.098 ug/l
RT: 8.652 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

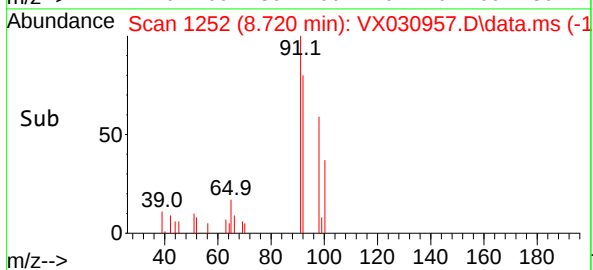
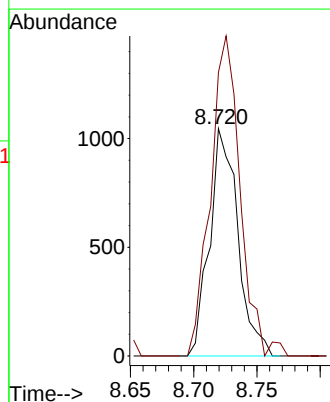
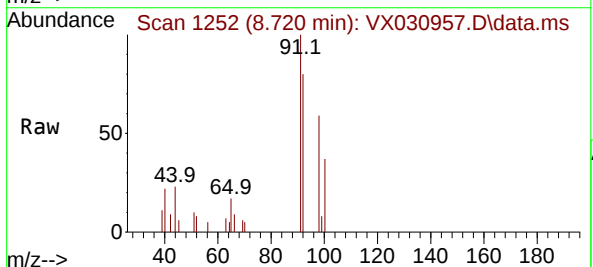
Instrument :
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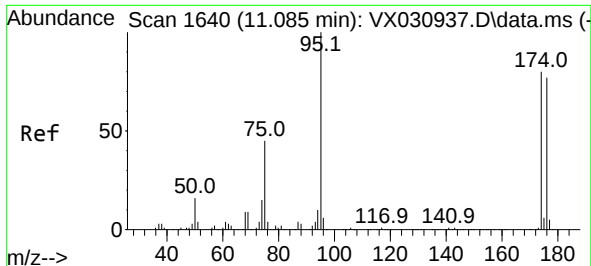
Tgt Ion: 98 Resp: 473101
Ion Ratio Lower Upper
98 100
100 63.2 52.3 78.5



#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

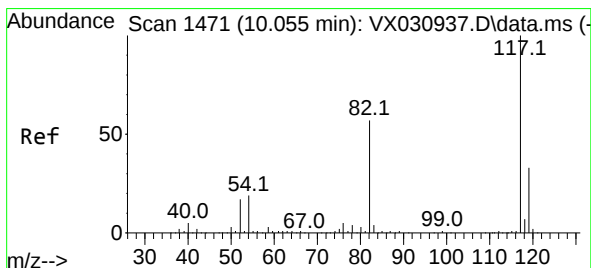
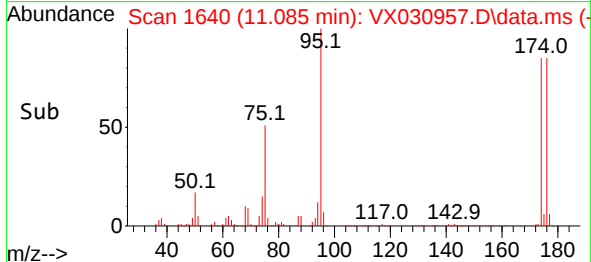
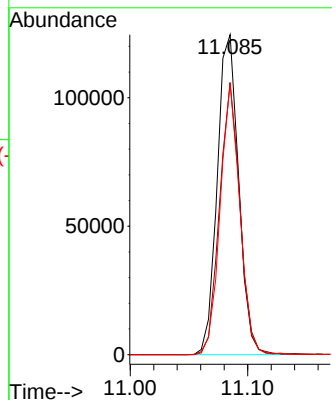
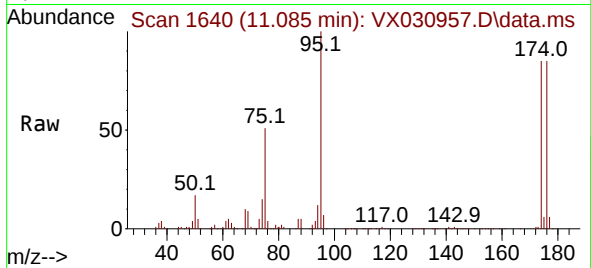




#62
4-Bromofluorobenzene
Concen: 45.001 ug/l
RT: 11.085 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

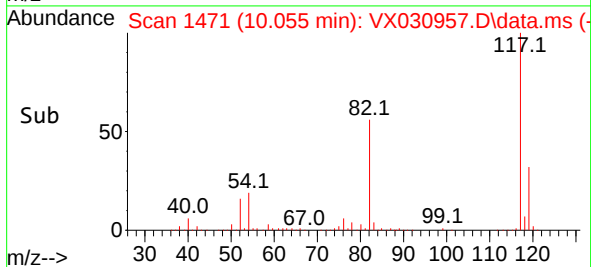
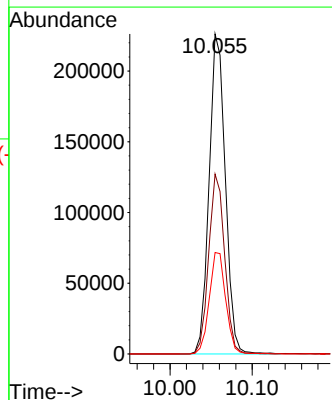
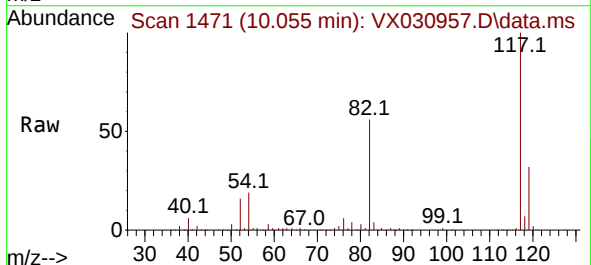
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20220819

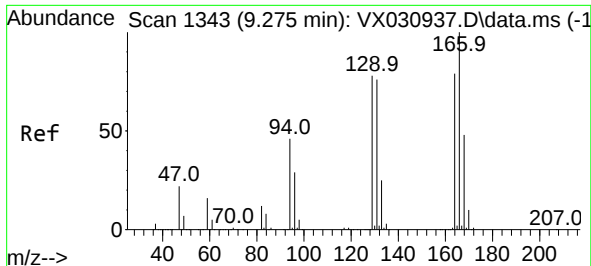
Tgt Ion: 95 Resp: 157625
Ion Ratio Lower Upper
95 100
174 81.3 0.0 149.0
176 78.0 0.0 146.0



#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

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

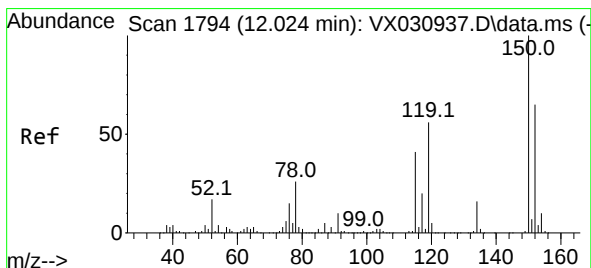
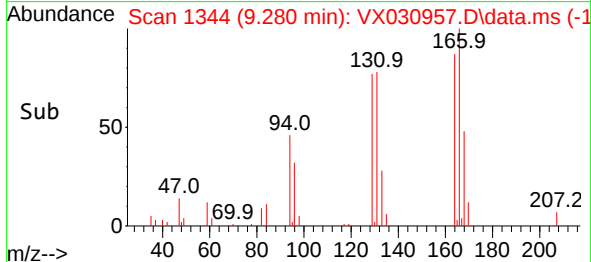
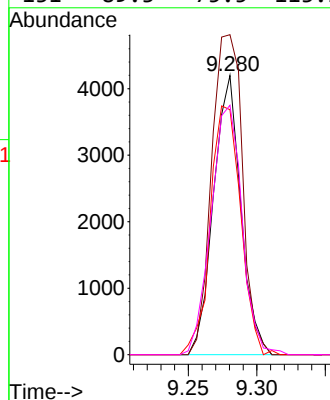
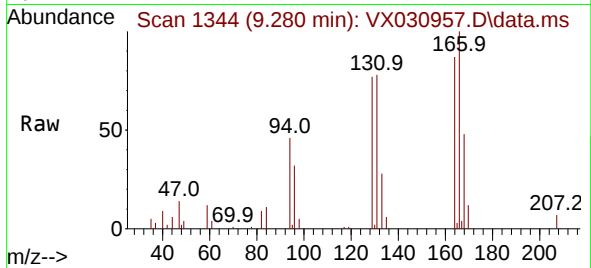




#64
Tetrachloroethene
Concen: 1.981 ug/l
RT: 9.280 min Scan# 11
Delta R.T. 0.005 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20220819

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# 1794
Delta R.T. -0.000 min
Lab File: VX030957.D
Acq: 30 Aug 2022 22:29

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

