

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003556.D
 Acq On : 21 Jul 2018 15:47
 Operator : JC/SP
 Sample : J4014-06DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-071218DL

Quant Time: Jul 23 01:38:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	422490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	387973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212082	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	170097	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
35) Dibromofluoromethane	5.51	113	153323	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
50) Toluene-d8	8.72	98	584527	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	11.14	95	198314	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	

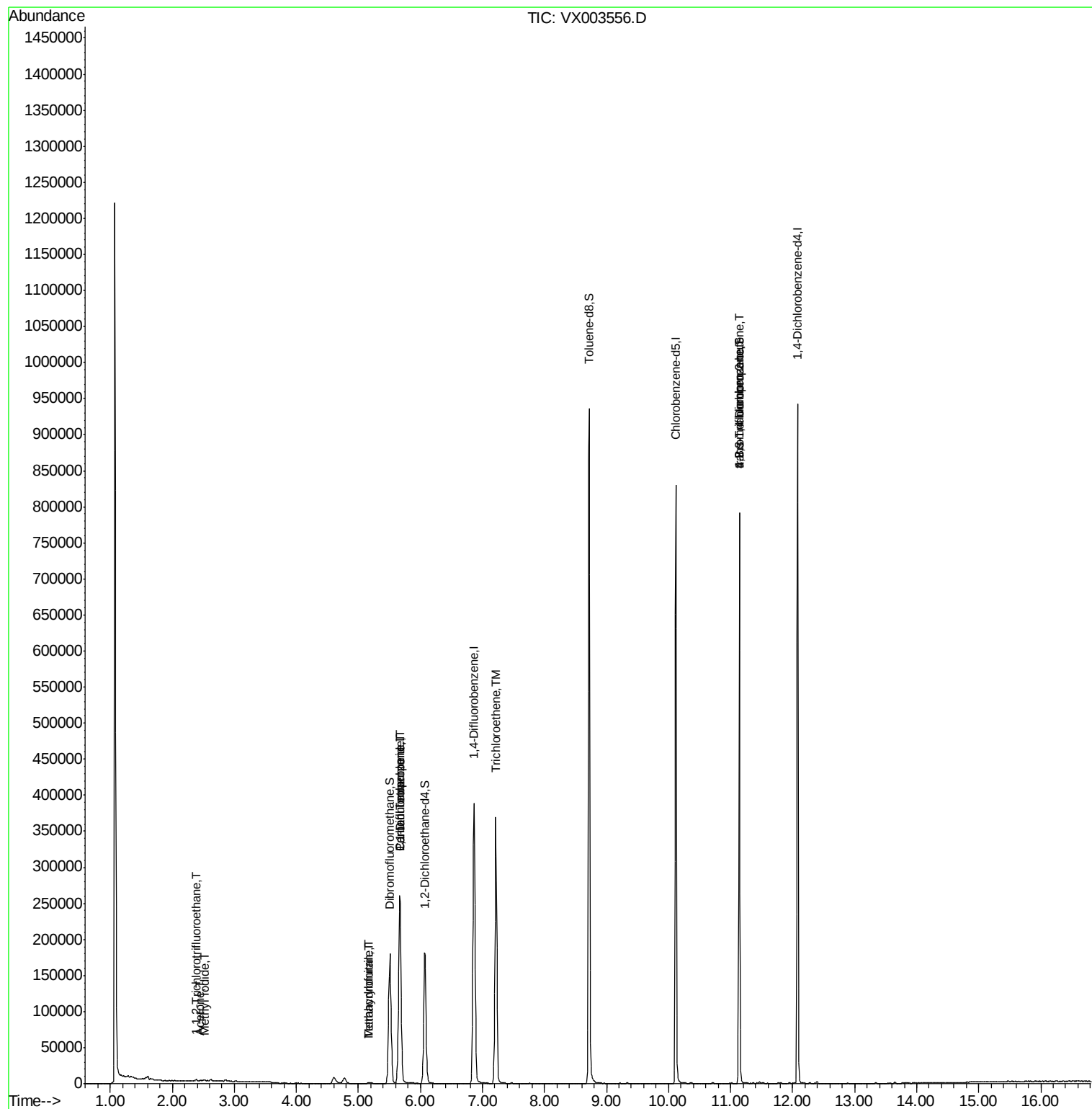
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	75	Below Cal	#	43
3) Chloromethane	1.32	50	664	Below Cal		99
5) Bromomethane	1.65	94	1629	Below Cal	#	75
9) 1,1,2-Trichlorotrifluoroet	2.39	101	656	0.21	ug/l	94
10) Methyl Iodide	2.51	142	1672	0.45	ug/l	93
16) Acetone	2.45	43	850	0.67	ug/l	# 85
20) Methylene Chloride	2.86	84	750	Below Cal		87
29) Tetrahydrofuran	5.17	42	725	0.52	ug/l	# 76
36) 1,1-Dichloropropene	5.67	75	16848	3.69	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	24007	5.37	ug/l	# 16
41) Methacrylonitrile	5.17	41	640	0.25	ug/l	# 35
44) Trichloroethene	7.21	130	153428	37.36	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	92959	24.40	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	92959	68.38	ug/l	# 7

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

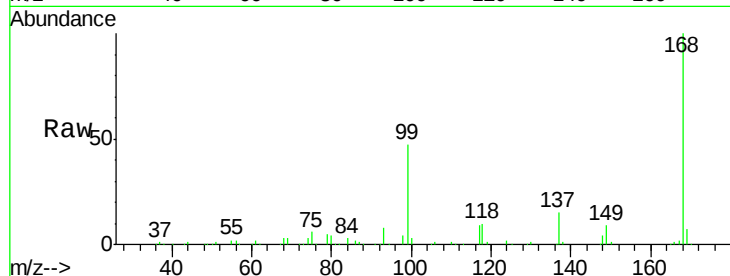
RE103D2-071218DL

Tot Ion:168 Resp: 281866

Ion Ratio Lower Upper

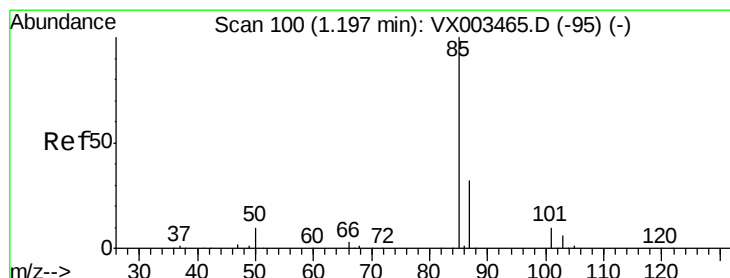
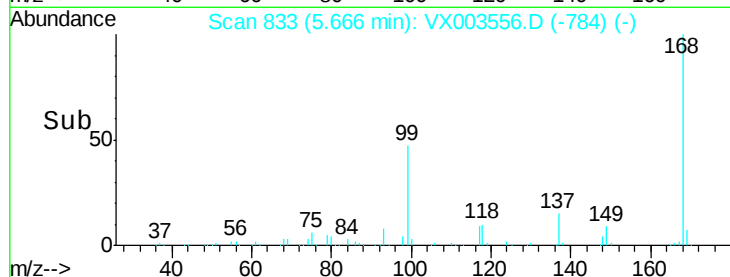
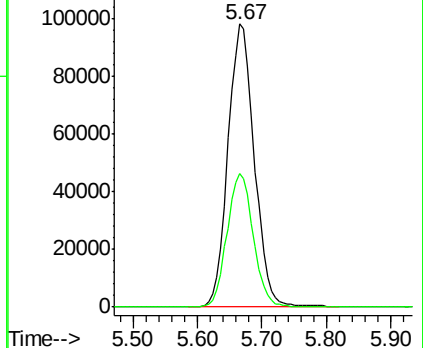
168 100

99 47.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003556.D

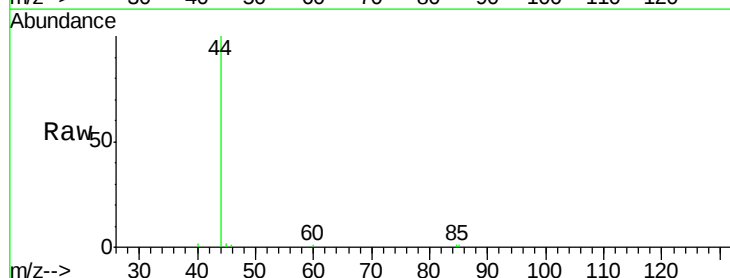
Acq: 21 Jul 2018 15:47

Tgt Ion: 85 Resp: 75

Ion Ratio Lower Upper

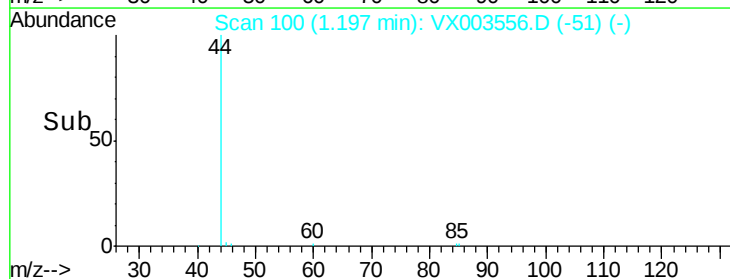
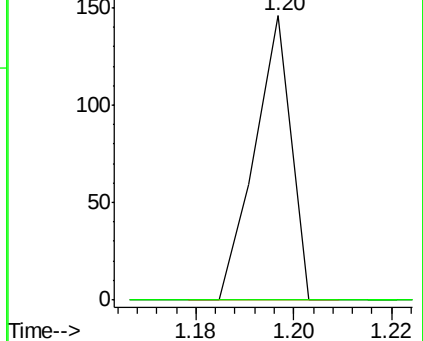
85 100

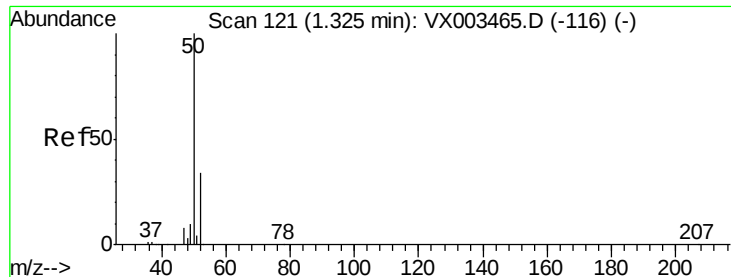
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

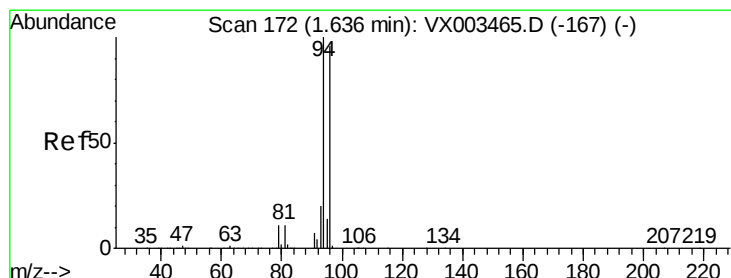
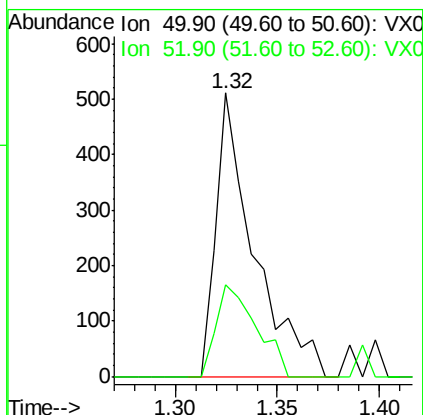
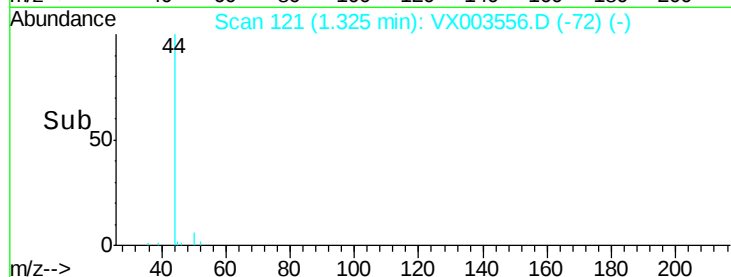
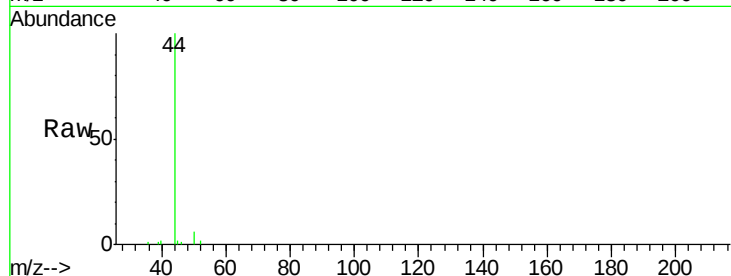
RE103D2-071218DL

Tot Ion: 50 Resp: 664

Ion Ratio Lower Upper

50 100

52 32.5 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003556.D

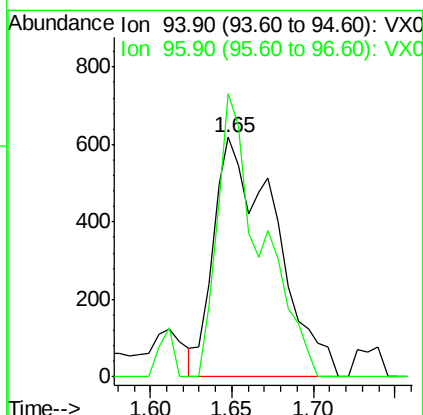
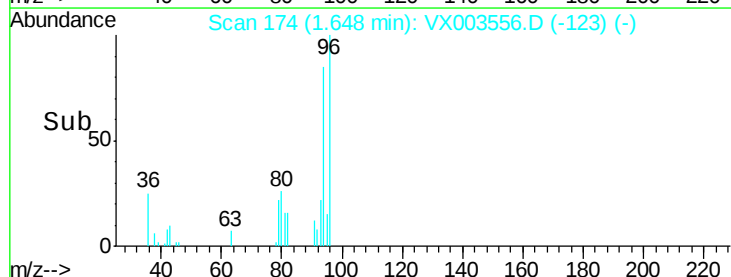
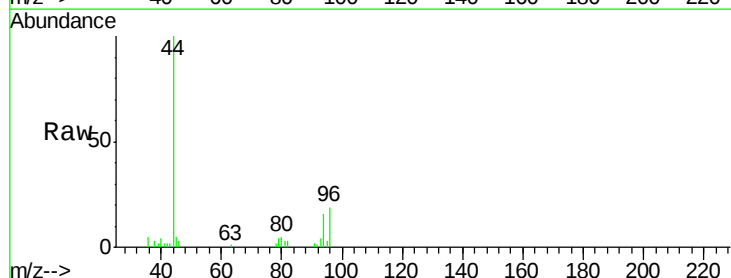
Acq: 21 Jul 2018 15:47

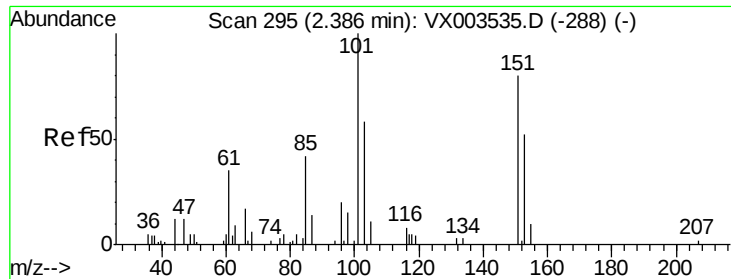
Tgt Ion: 94 Resp: 1629

Ion Ratio Lower Upper

94 100

96 118.1 74.9 112.3#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.21 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-071218DL

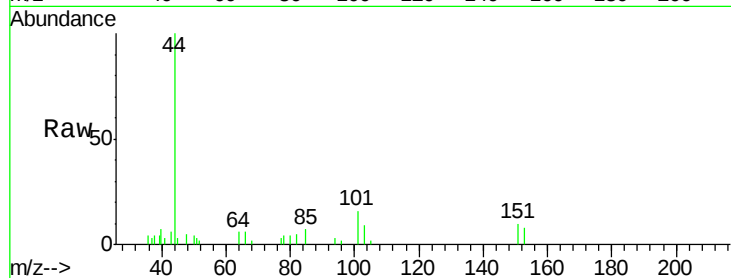
Tot Ion:101 Resp: 656

Ion Ratio Lower Upper

101 100

85 40.7 36.0 54.0

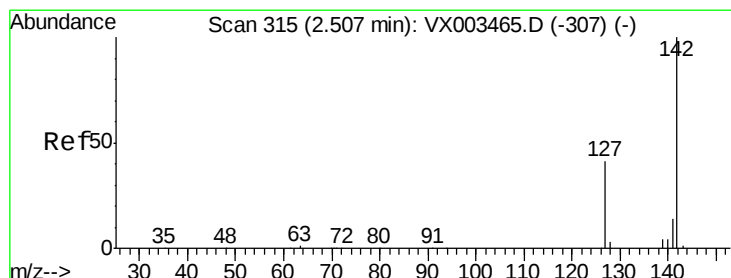
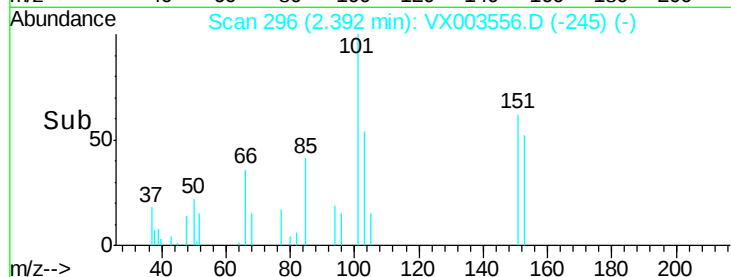
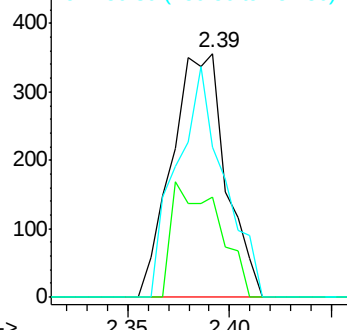
151 82.6 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.45 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

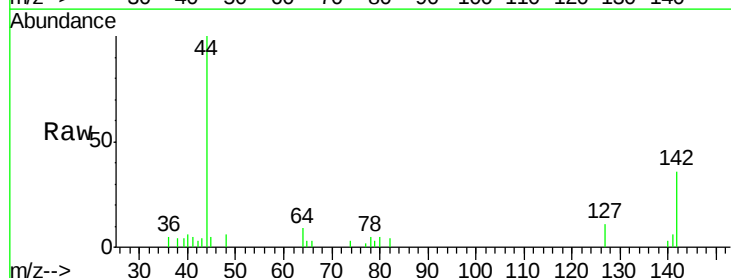
Tgt Ion:142 Resp: 1672

Ion Ratio Lower Upper

142 100

127 40.7 36.6 55.0

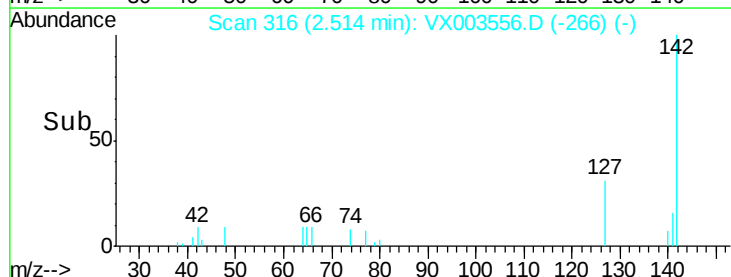
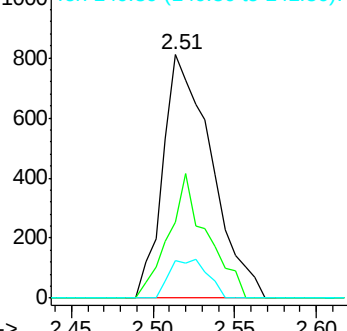
141 12.7 11.3 16.9

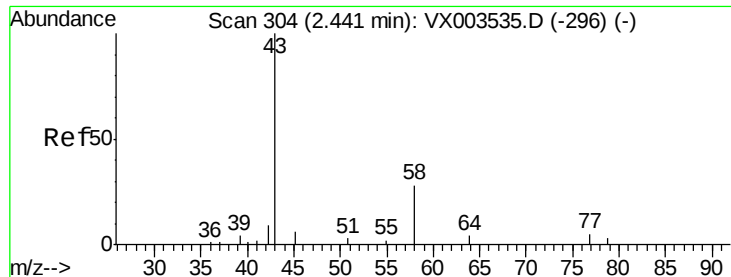


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 0.67 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

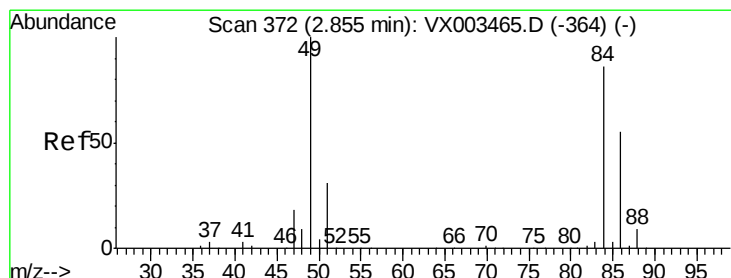
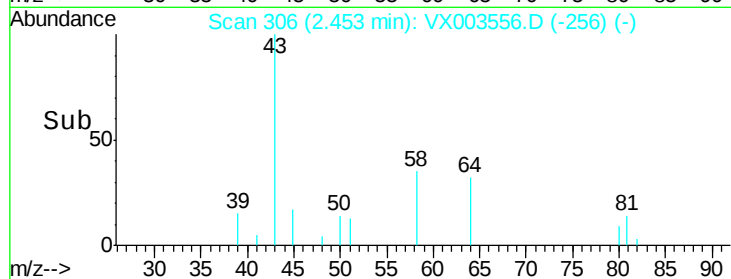
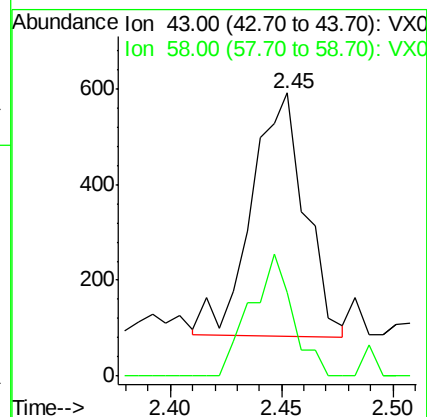
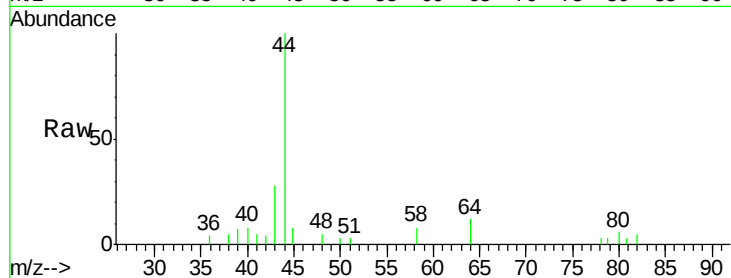
RE103D2-071218DL

Tot Ion: 43 Resp: 850

Ion Ratio Lower Upper

43 100

58 35.3 22.1 33.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

Tgt Ion: 84 Resp: 750

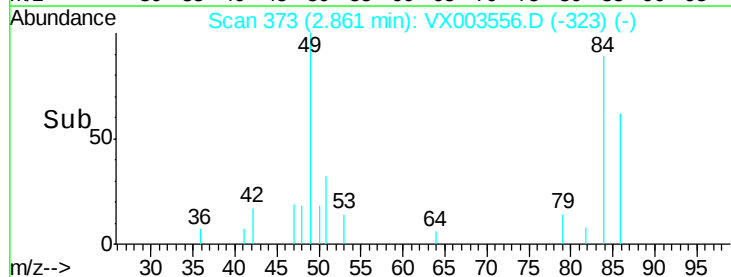
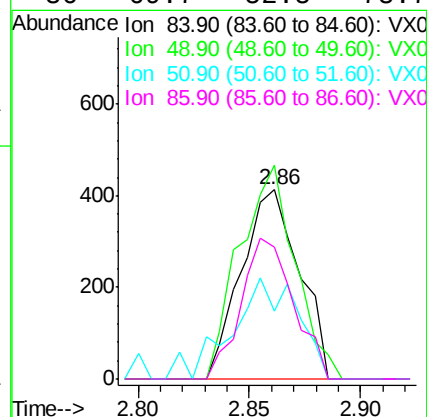
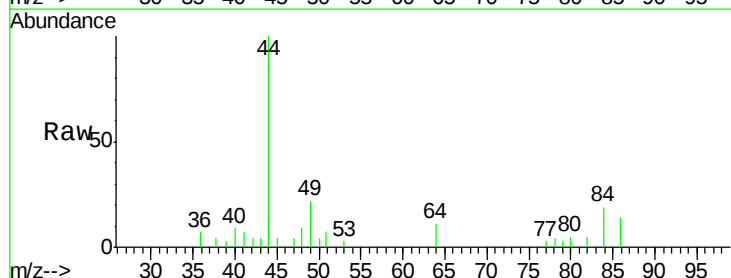
Ion Ratio Lower Upper

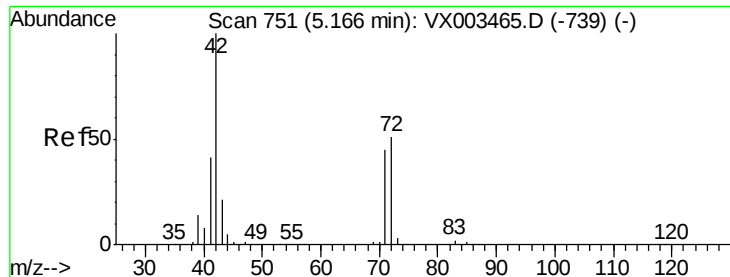
84 100

49 112.8 107.8 161.6

51 35.6 32.8 49.2

86 69.7 52.5 78.7

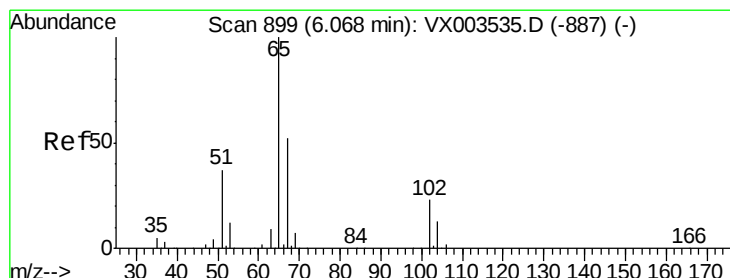
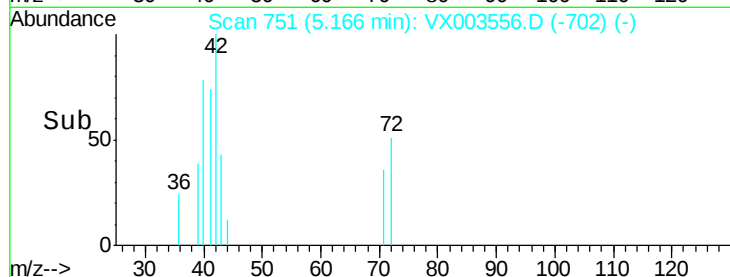
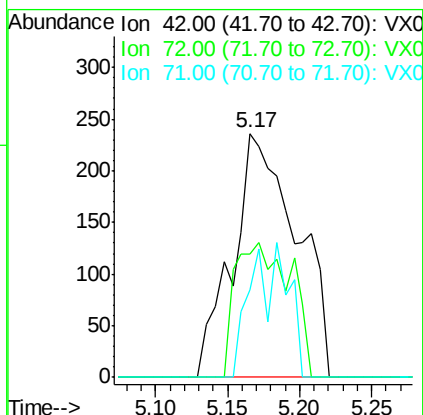
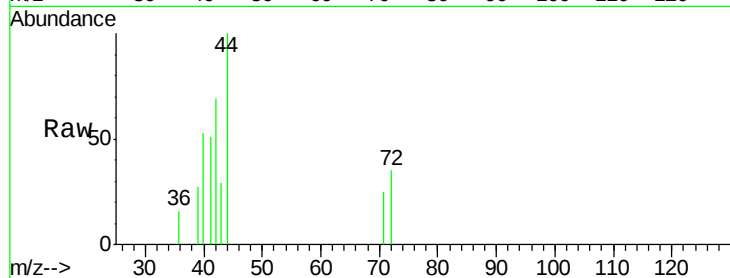




#29
Tetrahydrofuran
Concen: 0.52 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003556.D
Acq: 21 Jul 2018 15:47

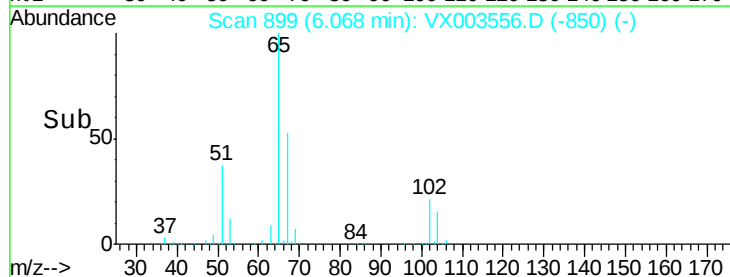
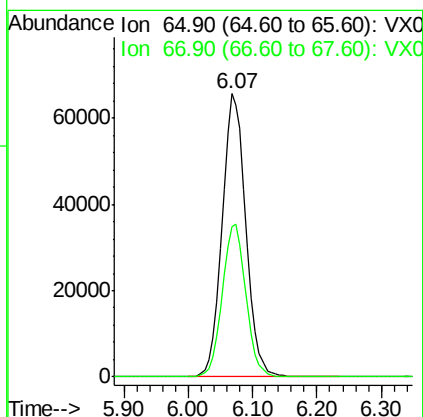
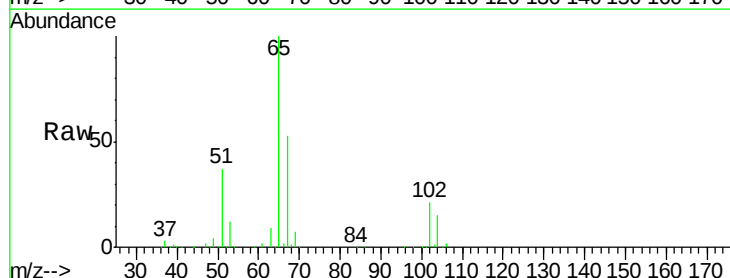
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-071218DL

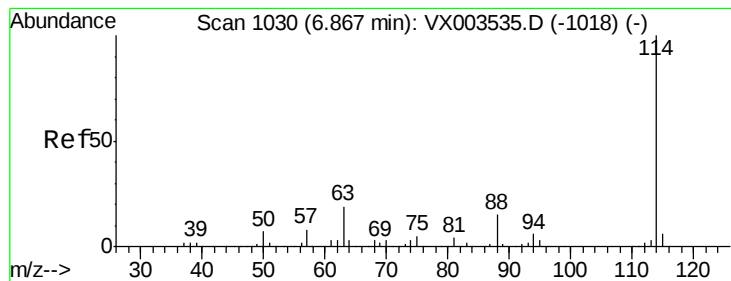
Tot Ion: 42 Resp: 725
Ion Ratio Lower Upper
42 100
72 48.7 32.0 48.0#
71 16.6 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 50.98 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX003556.D
Acq: 21 Jul 2018 15:47

Tgt Ion: 65 Resp: 170097
Ion Ratio Lower Upper
65 100
67 53.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-071218DL

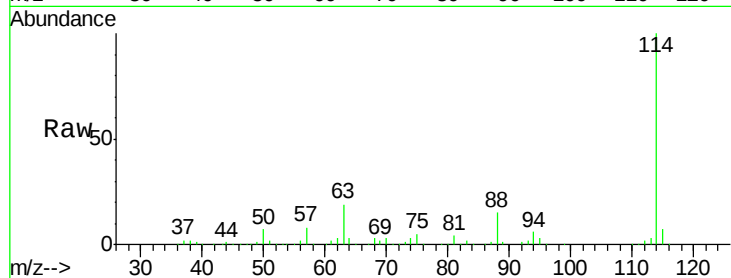
Tot Ion:114 Resp: 422490

Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.4

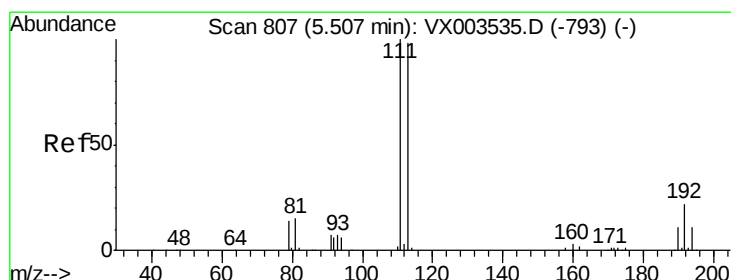
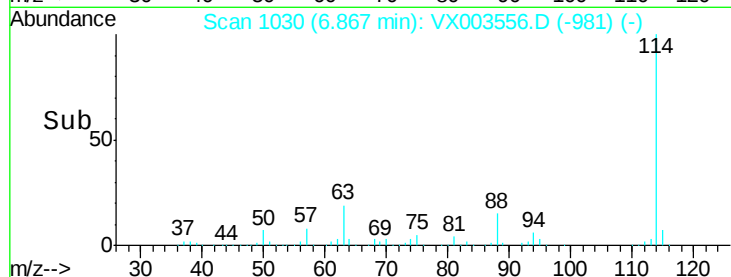
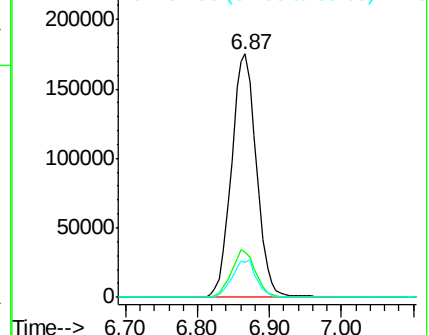
88 14.6 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.65 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

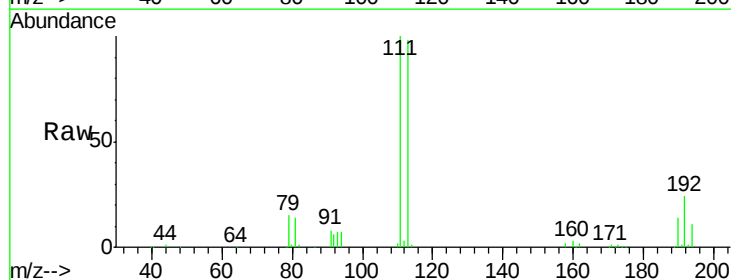
Tgt Ion:113 Resp: 153323

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

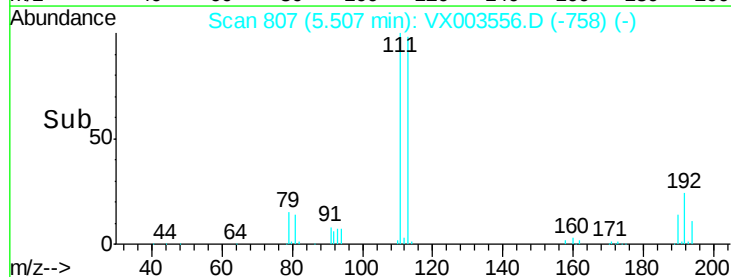
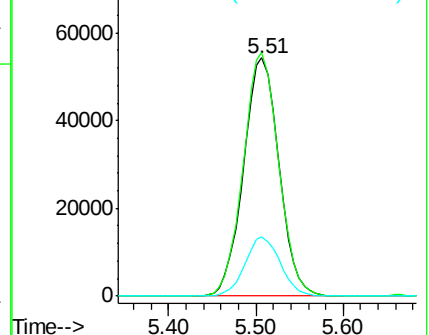
192 24.6 19.1 28.7

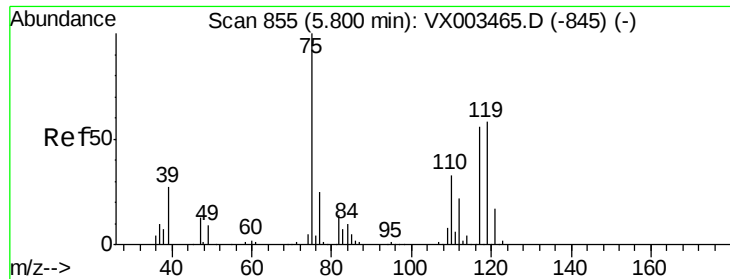


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.69 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-071218DL

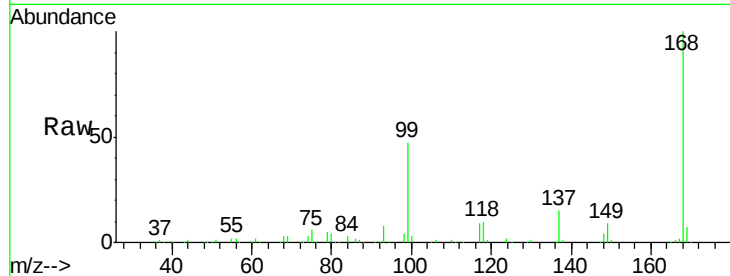
Tot Ion: 75 Resp: 16848

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

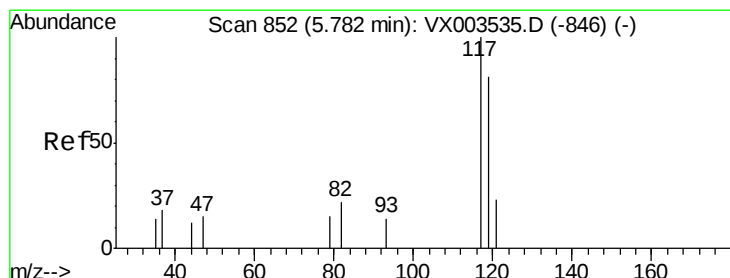
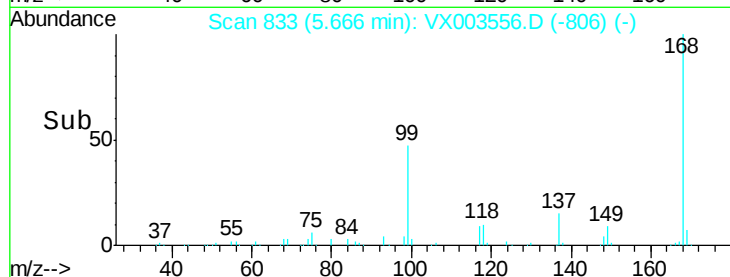
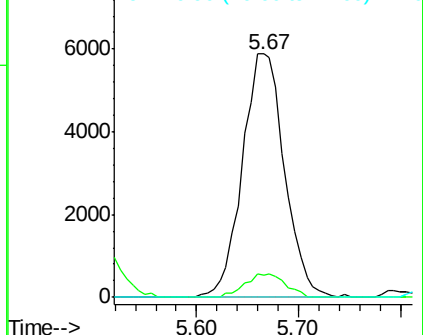
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.37 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

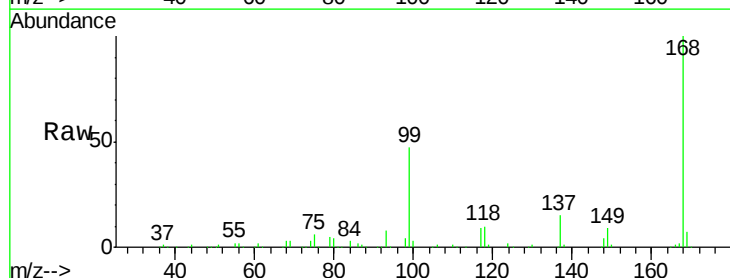
Tgt Ion: 117 Resp: 24007

Ion Ratio Lower Upper

117 100

119 5.9 77.4 116.0#

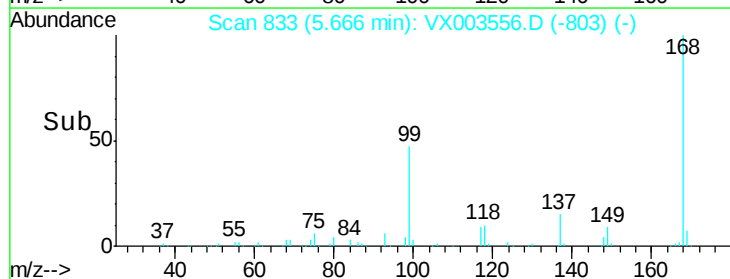
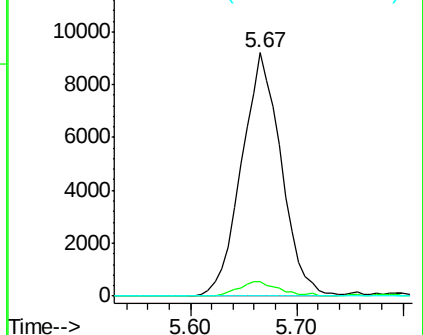
121 0.0 24.4 36.6#

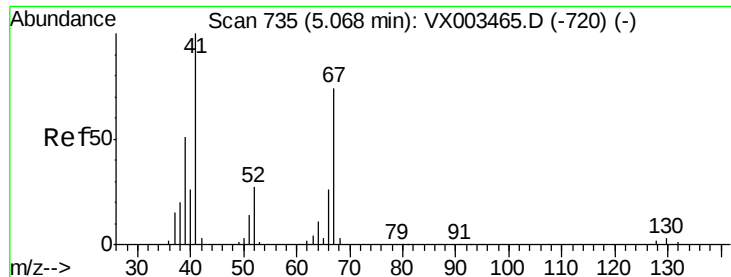


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

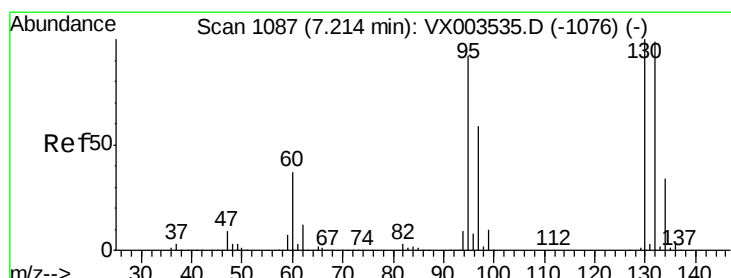
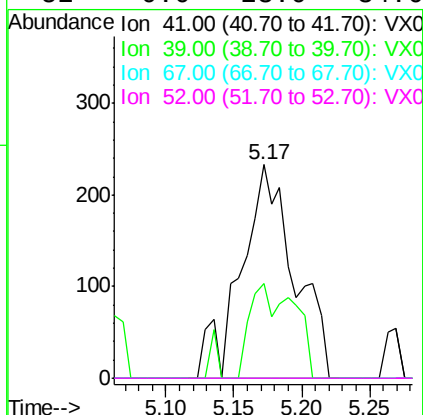
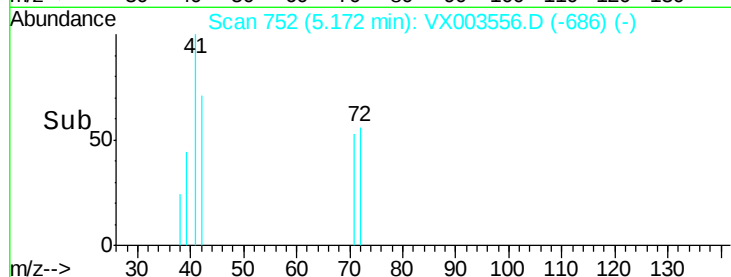
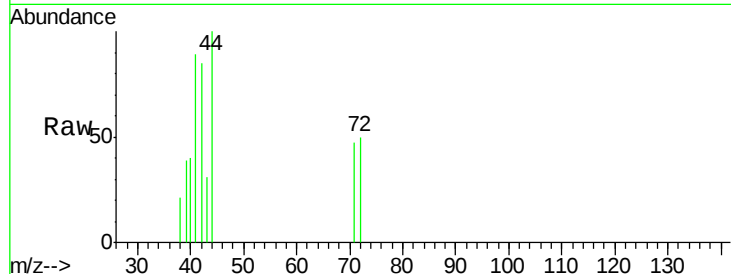




#41
Methacrylonitrile
Concen: 0.25 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.10 min
Lab File: VX003556.D
Acq: 21 Jul 2018 15:47

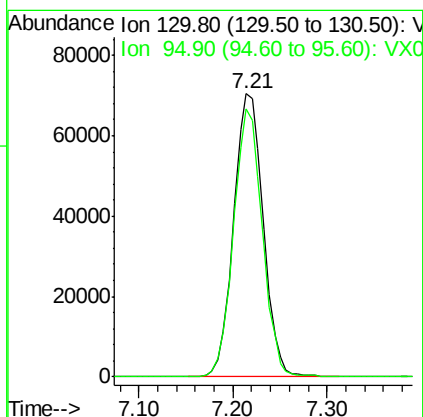
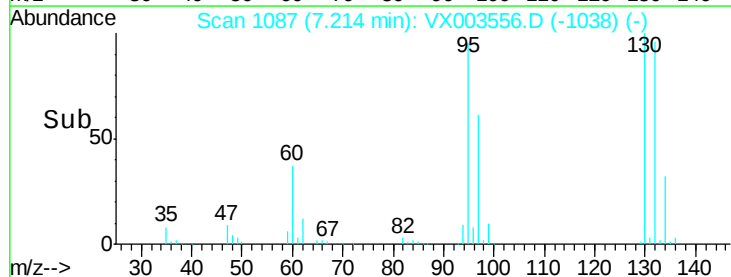
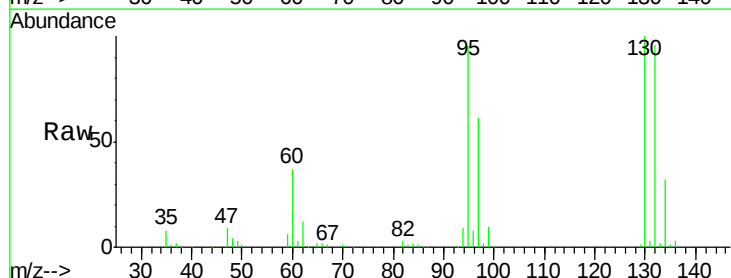
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-071218DL

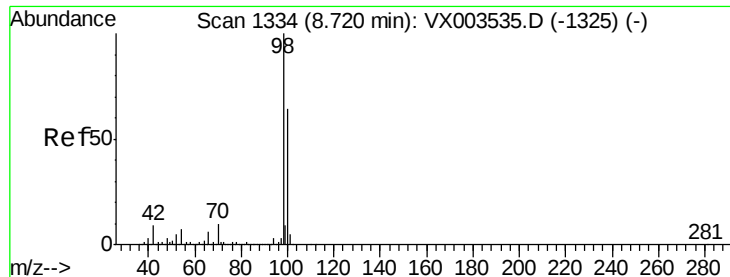
Tot Ion: 41 Resp: 640
Ion Ratio Lower Upper
41 100
39 18.6 45.8 68.6#
67 0.0 51.3 76.9#
52 0.0 23.0 34.6#



#44
Trichloroethene
Concen: 37.36 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX003556.D
Acq: 21 Jul 2018 15:47

Tgt Ion:130 Resp: 153428
Ion Ratio Lower Upper
130 100
95 94.7 0.0 185.4





#50

Toluene-d8

Concen: 48.33 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

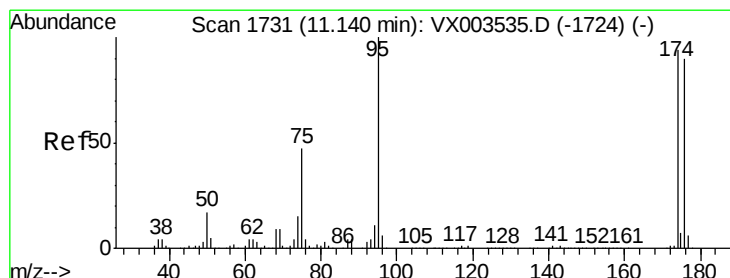
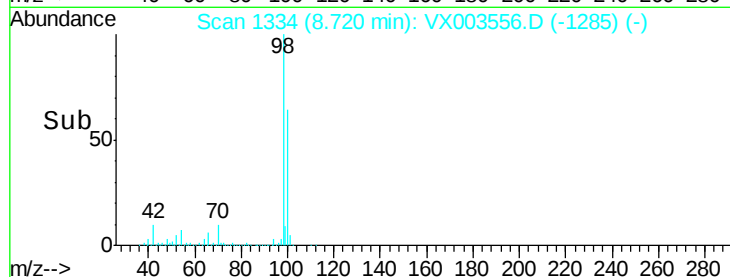
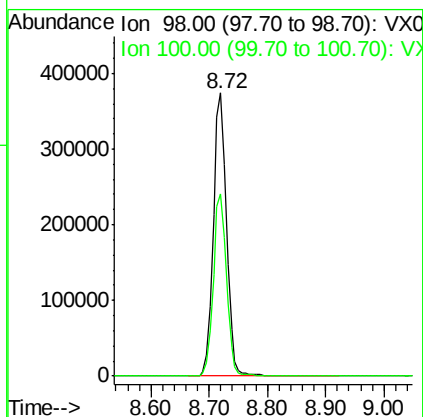
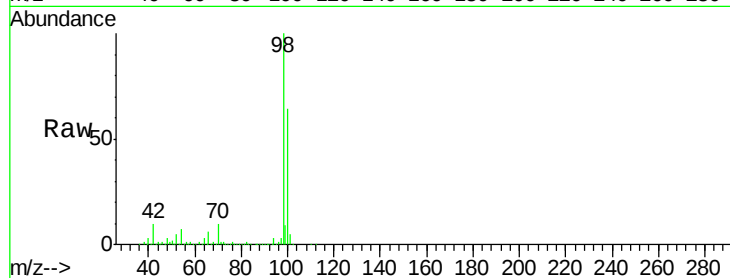
RE103D2-071218DL

Tot Ion: 98 Resp: 584527

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 44.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

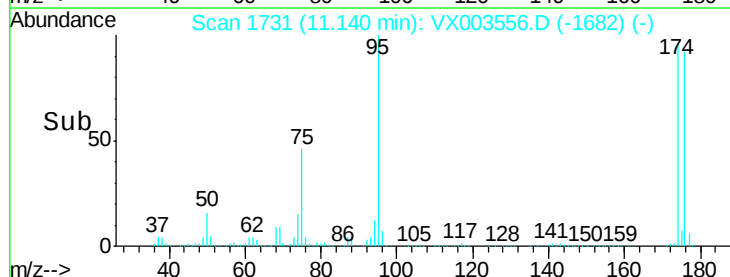
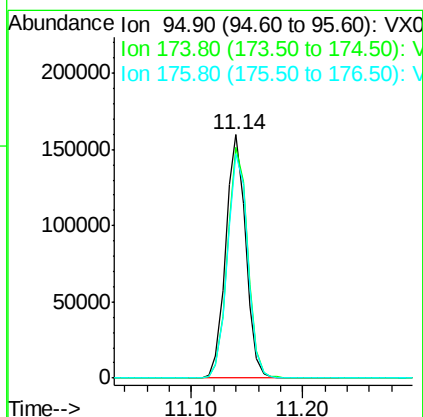
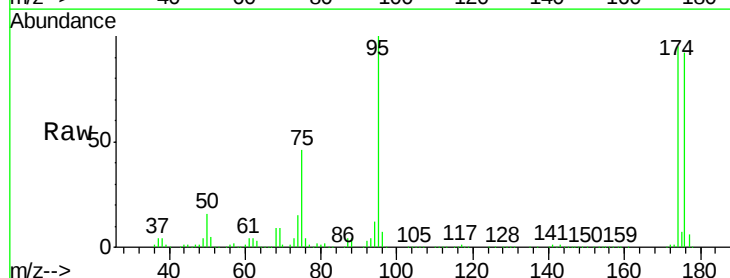
Tgt Ion: 95 Resp: 198314

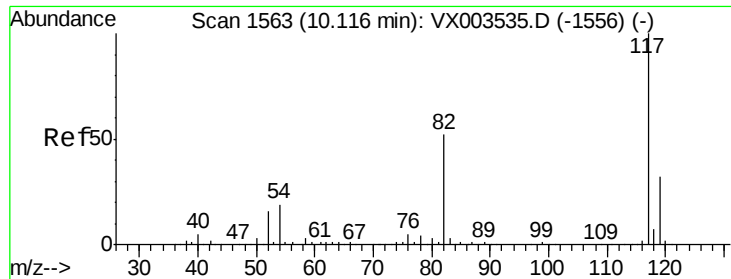
Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.4

176 93.8 0.0 181.0

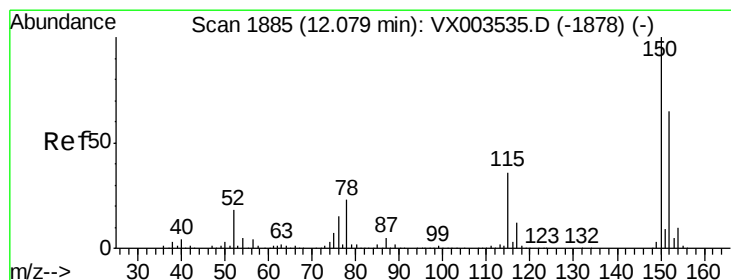
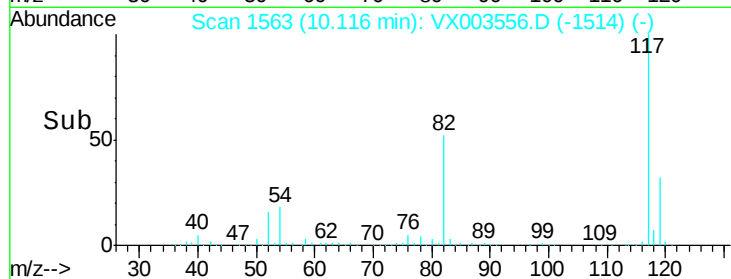
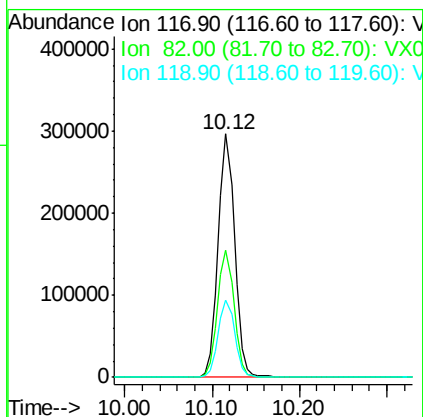
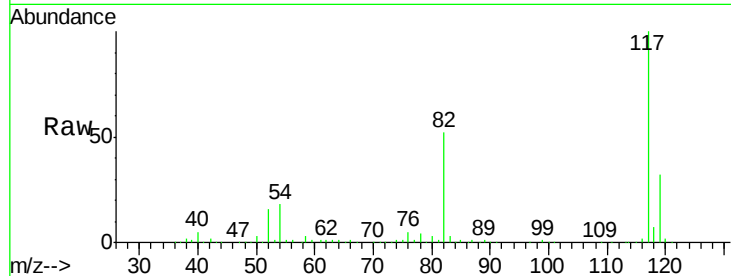




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003556.D
Acq: 21 Jul 2018 15:47

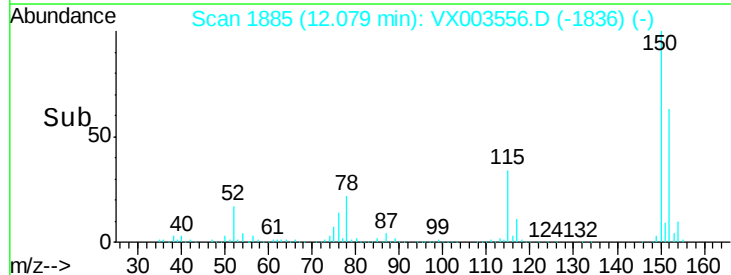
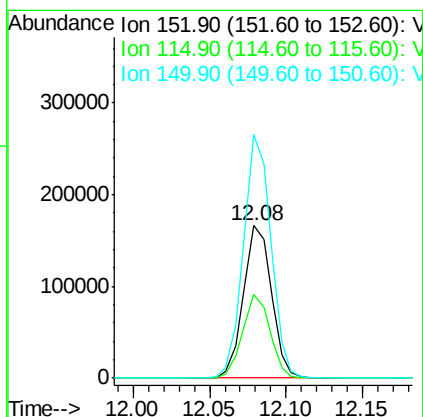
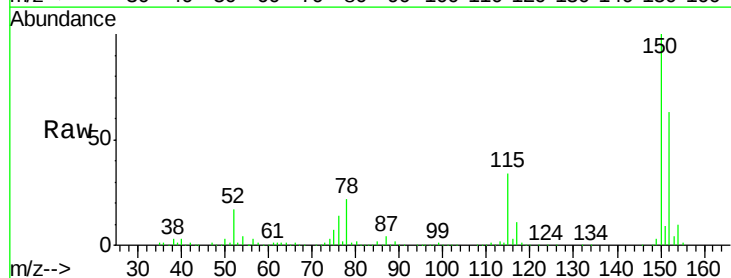
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-071218DL

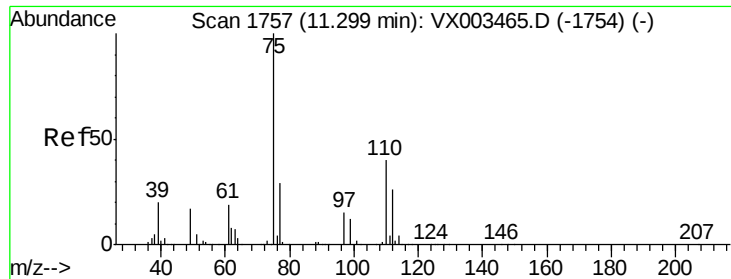
Tot Ion:117 Resp: 387973
Ion Ratio Lower Upper
117 100
82 52.3 45.0 67.4
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003556.D
Acq: 21 Jul 2018 15:47

Tgt Ion:152 Resp: 212082
Ion Ratio Lower Upper
152 100
115 53.7 40.1 120.2
150 156.9 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 24.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

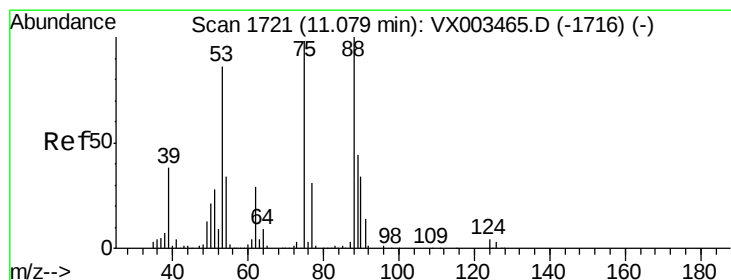
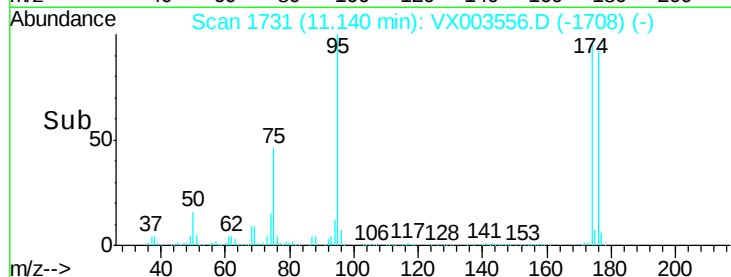
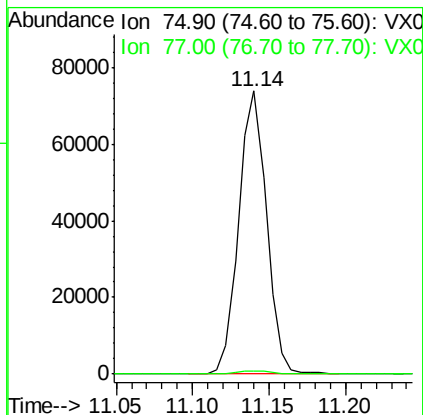
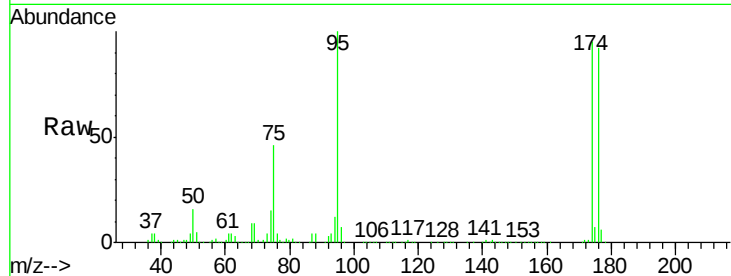
RE103D2-071218DL

Tot Ion: 75 Resp: 92959

Ion Ratio Lower Upper

75 100

77 1.4 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003556.D

Acq: 21 Jul 2018 15:47

Tgt Ion: 75 Resp: 92959

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

