

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072118\
 Data File : VX003559.D
 Acq On : 21 Jul 2018 17:07
 Operator : JC/SP
 Sample : J4014-14DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-071218DL

Quant Time: Jul 23 01:39:21 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	278343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	426446	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	388354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216515	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	177148	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	
35) Dibromofluoromethane	5.51	113	154548	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	8.72	98	591558	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.14	95	201888	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	

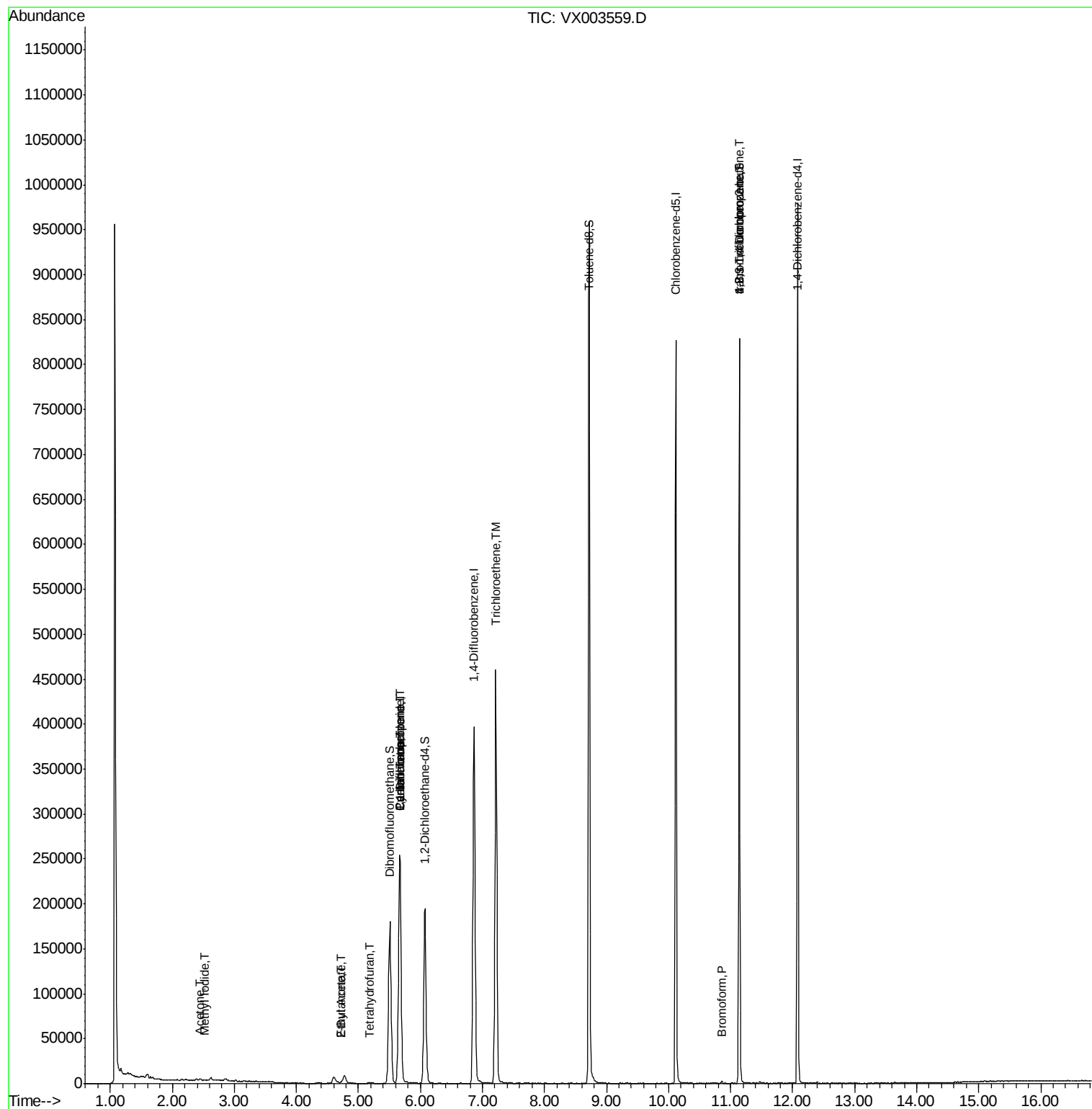
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	110	Below Cal	#	43
3) Chloromethane	1.32	50	571	Below Cal		94
5) Bromomethane	1.65	94	1310	Below Cal	#	79
10) Methyl Iodide	2.52	142	1001	0.27	ug/l	98
16) Acetone	2.45	43	1881	1.51	ug/l	# 81
20) Methylene Chloride	2.86	84	729	Below Cal	#	84
25) 2-Butanone	4.71	43	883	0.42	ug/l	# 87
29) Tetrahydrofuran	5.18	42	677	0.49	ug/l	# 82
31) Cyclohexane	5.67	56	4600	0.93	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	17958	3.90	ug/l	# 49
37) Ethyl Acetate	4.71	43	883	0.20	ug/l	# 70
38) Carbon Tetrachloride	5.66	117	24676	5.46	ug/l	# 17
44) Trichloroethene	7.21	130	189886	45.80	ug/l	97
71) Bromoform	10.86	173	932	0.35	ug/l	# 100
76) 1,2,3-Trichloropropane	11.14	75	95413	24.53	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	95413	68.74	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: VX003559.D

Acq: 21 Jul 2018 17:07

Instrument :

MSVOA_X

ClientSampleId :

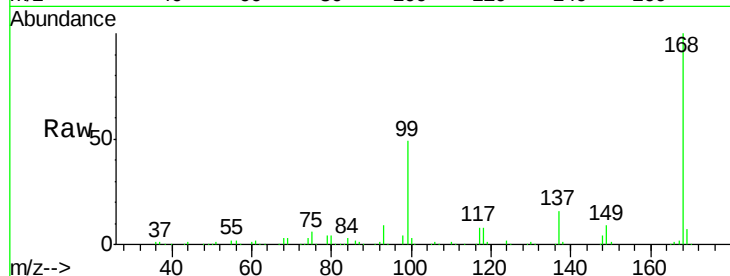
RE103D3-071218DL

Tot Ion:168 Resp: 278343

Ion Ratio Lower Upper

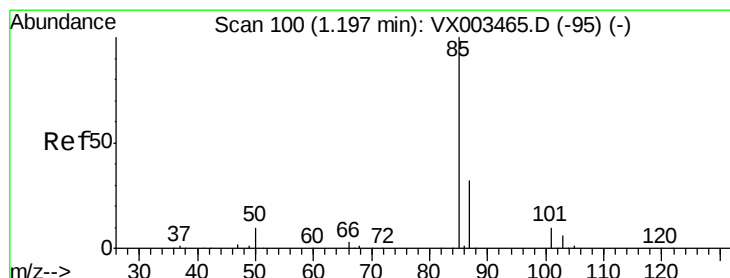
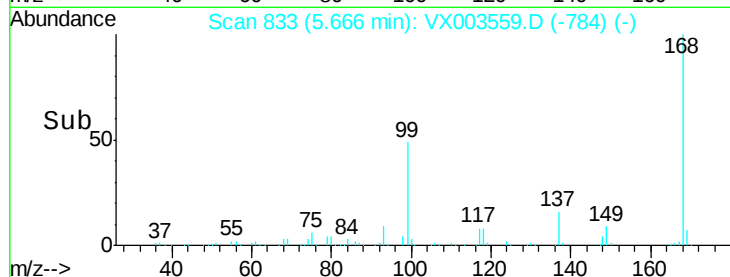
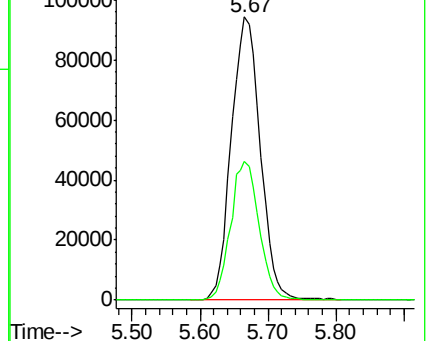
168 100

99 48.9 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: VX003559.D

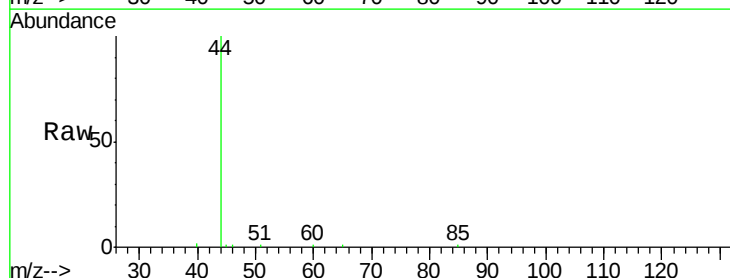
Acq: 21 Jul 2018 17:07

Tgt Ion: 85 Resp: 110

Ion Ratio Lower Upper

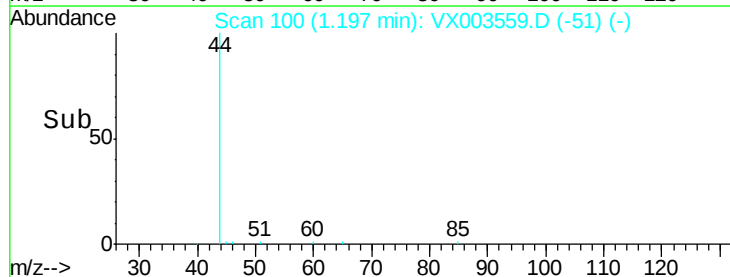
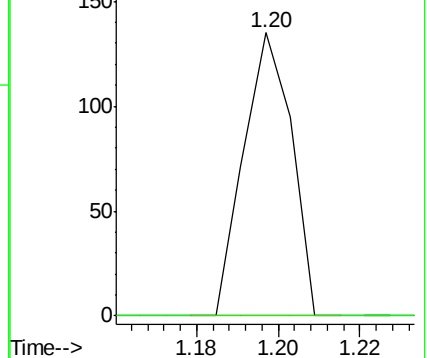
85 100

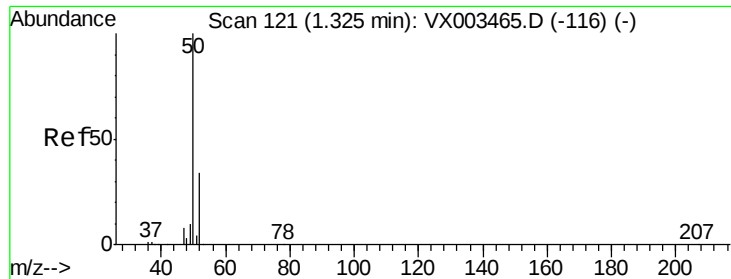
87 0.0 16.0 47.9#



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: VX003559.D

Acq: 21 Jul 2018 17:07

Instrument :

MSVOA_X

ClientSampleId :

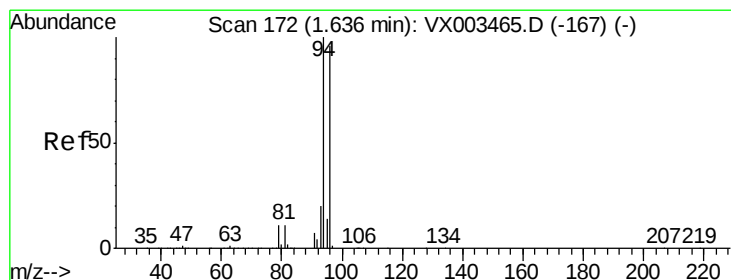
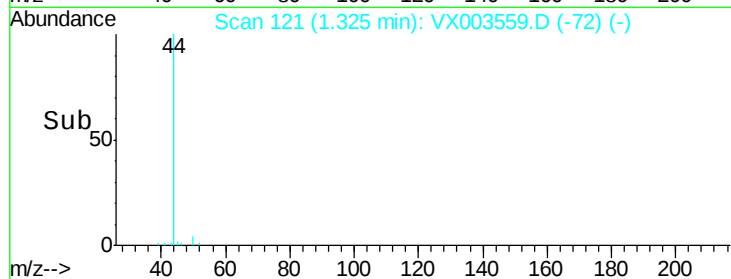
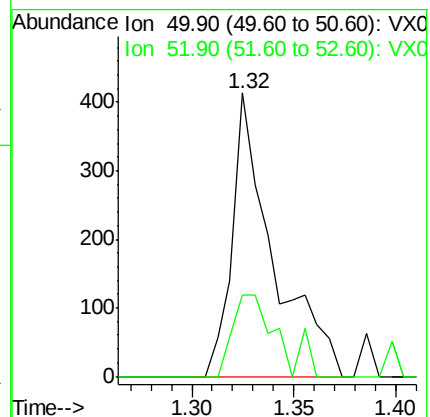
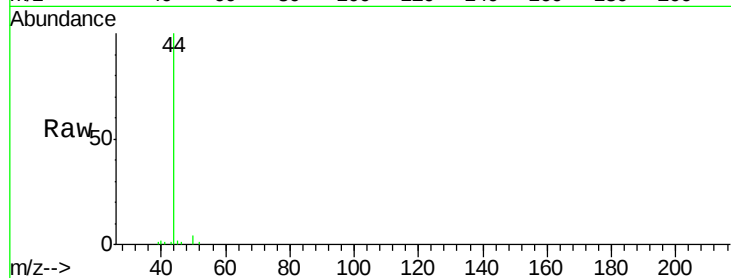
RE103D3-071218DL

Tot Ion: 50 Resp: 571

Ion Ratio Lower Upper

50 100

52 28.8 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003559.D

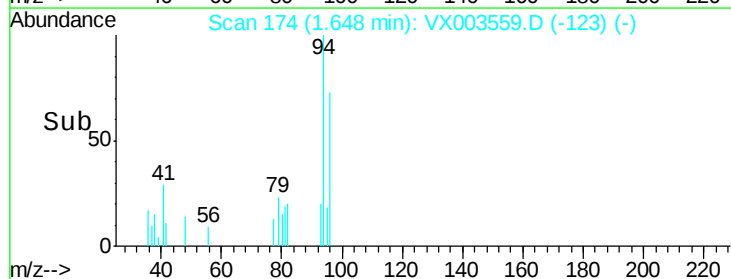
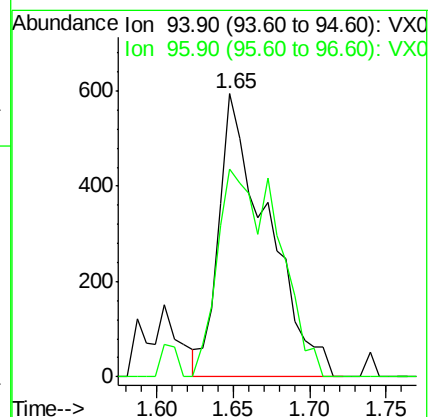
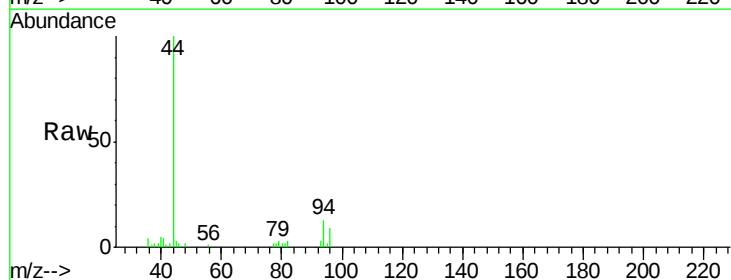
Acq: 21 Jul 2018 17:07

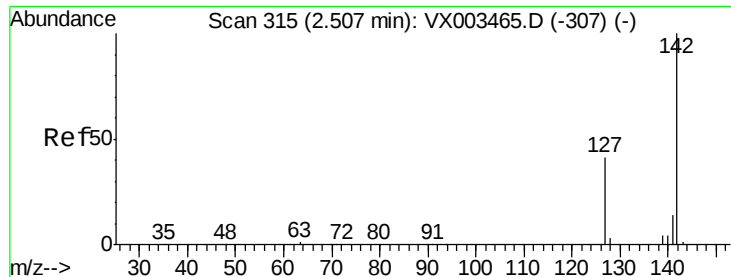
Tgt Ion: 94 Resp: 1310

Ion Ratio Lower Upper

94 100

96 73.4 74.9 112.3#

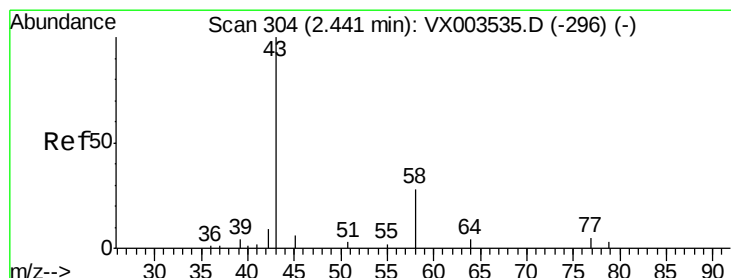
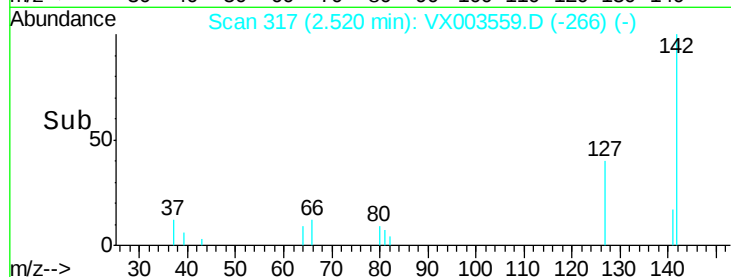
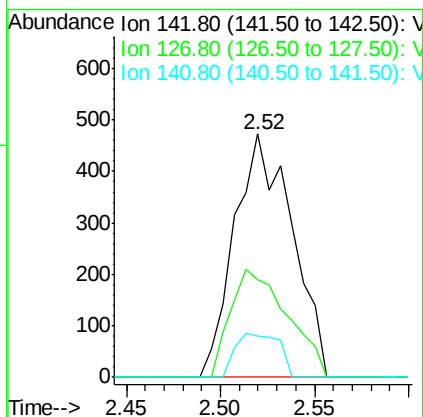
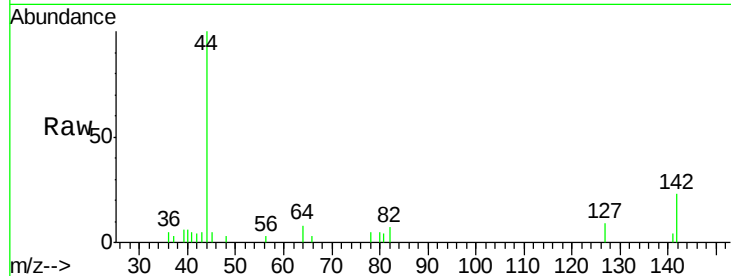




#10
Methvl Iodide
Concen: 0.27 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003559.D
Acq: 21 Jul 2018 17:07

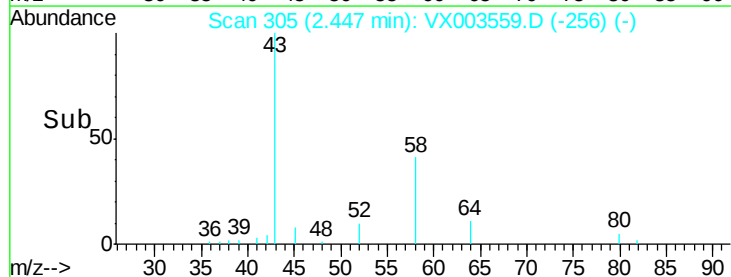
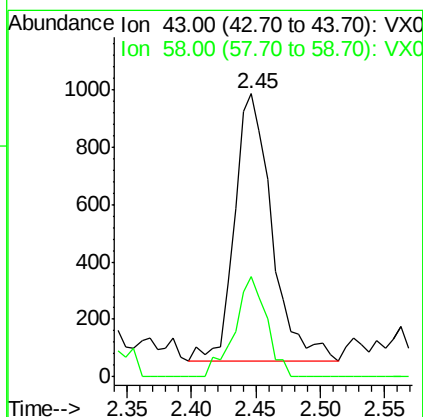
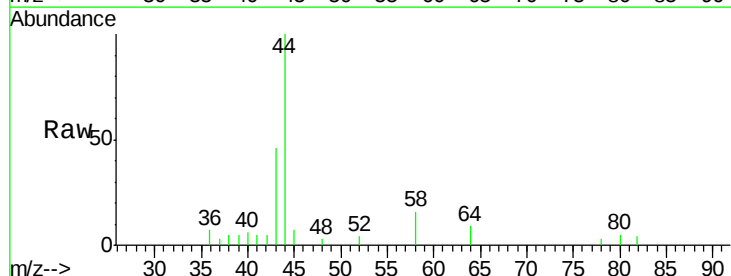
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-071218DL

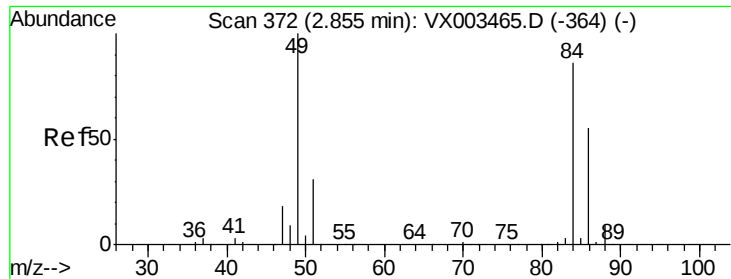
Tot Ion:142 Resp: 1001
Ion Ratio Lower Upper
142 100
127 44.1 36.6 55.0
141 13.6 11.3 16.9



#16
Acetone
Concen: 1.51 ug/l
RT: 2.45 min Scan# 305
Delta R.T. 0.00 min
Lab File: VX003559.D
Acq: 21 Jul 2018 17:07

Tgt Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
58 37.3 22.1 33.1#

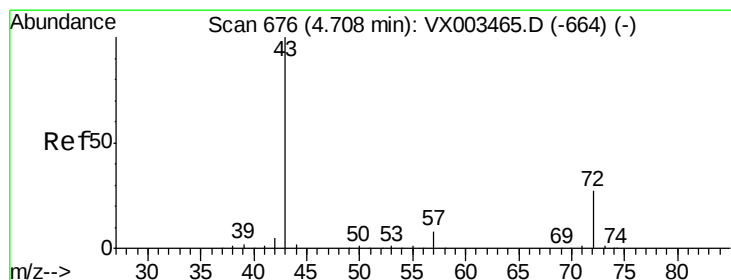
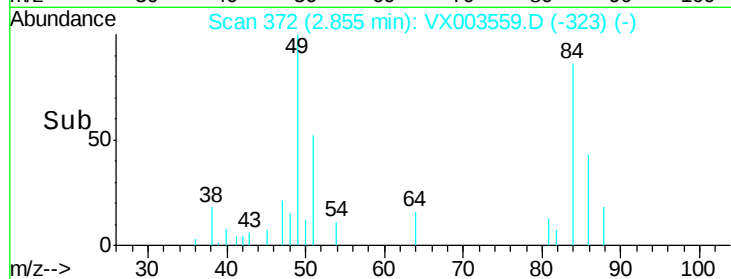
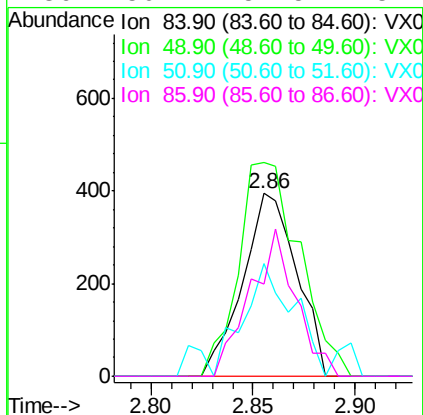
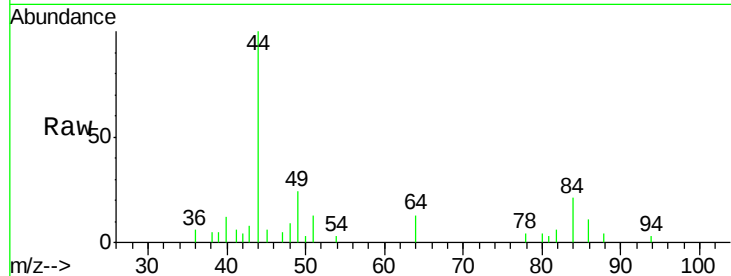




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003559.D
Acq: 21 Jul 2018 17:07

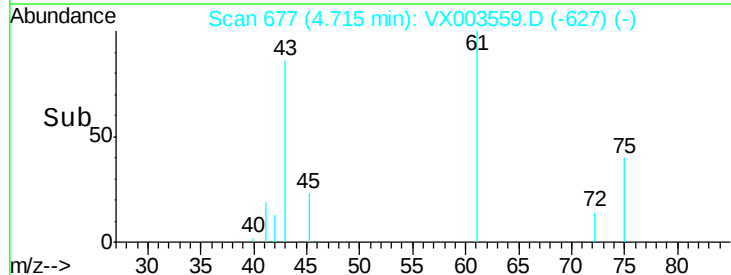
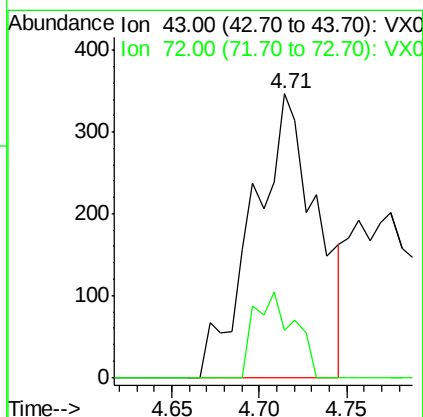
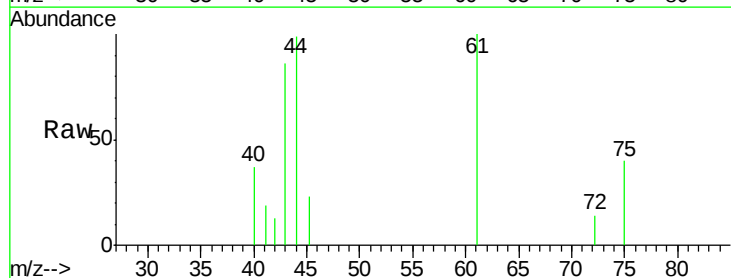
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-071218DL

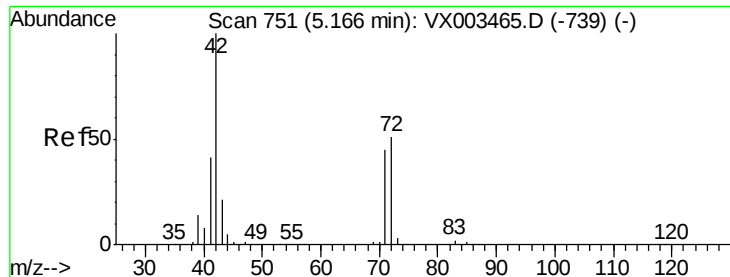
Tot Ion: 84 Resp: 729
Ion Ratio Lower Upper
84 100
49 116.7 107.8 161.6
51 47.6 32.8 49.2
86 50.1 52.5 78.7#



#25
2-Butanone
Concen: 0.42 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX003559.D
Acq: 21 Jul 2018 17:07

Tgt Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
72 16.7 18.5 27.7#

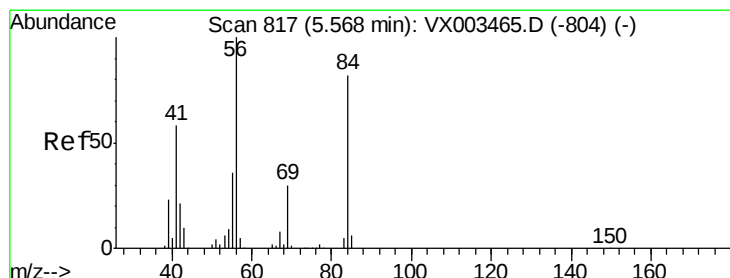
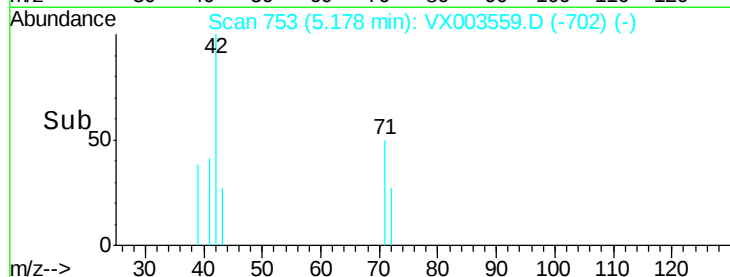
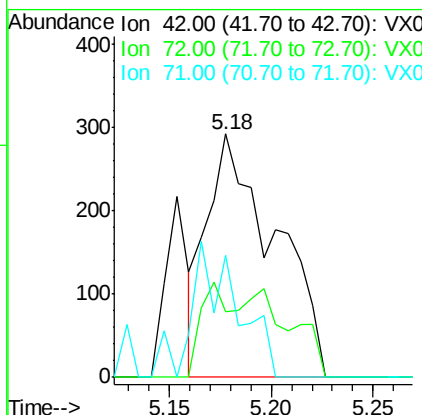
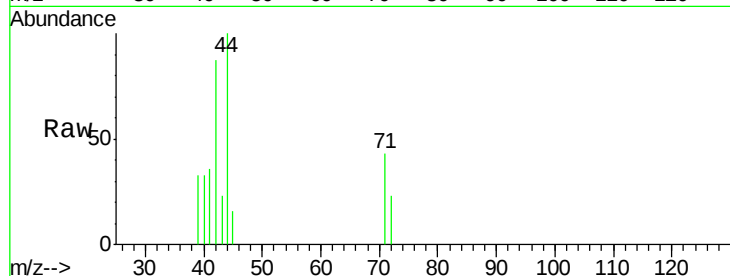




#29
Tetrahydrofuran
Concen: 0.49 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX003559.D
Acq: 21 Jul 2018 17:07

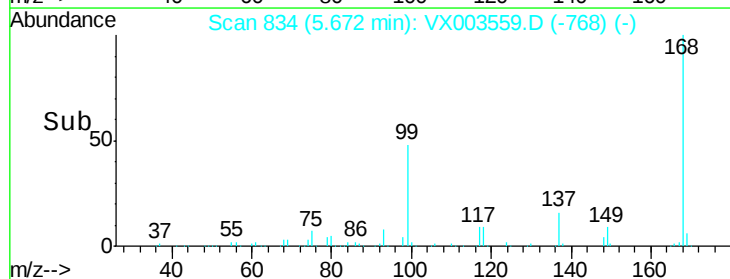
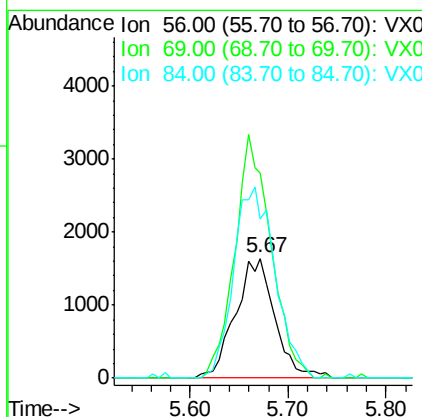
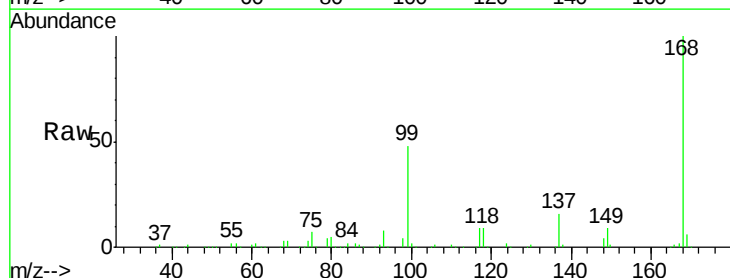
Instrument :
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ClientSampleId :
RE103D3-071218DL

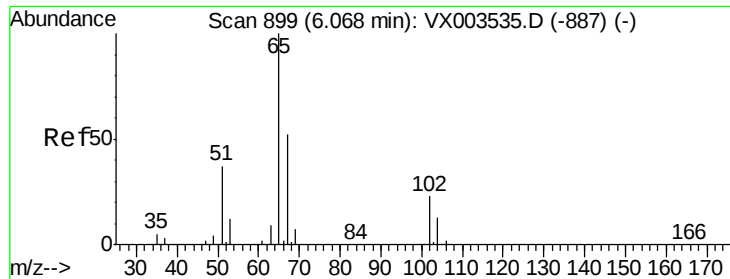
Tot Ion: 42 Resp: 677
Ion Ratio Lower Upper
42 100
72 19.2 32.0 48.0#
71 37.4 30.1 45.1



#31
Cyclohexane
Concen: 0.93 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.10 min
Lab File: VX003559.D
Acq: 21 Jul 2018 17:07

Tgt Ion: 56 Resp: 4600
Ion Ratio Lower Upper
56 100
69 170.5 23.7 35.5#
84 132.1 64.1 96.1#

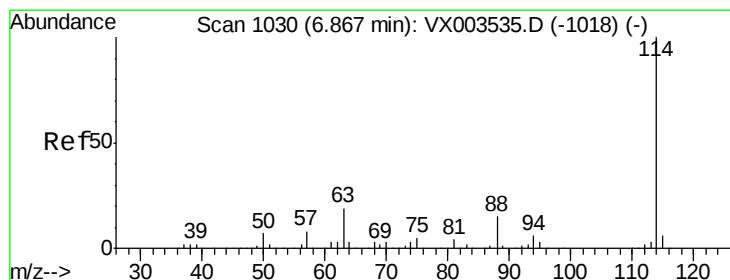
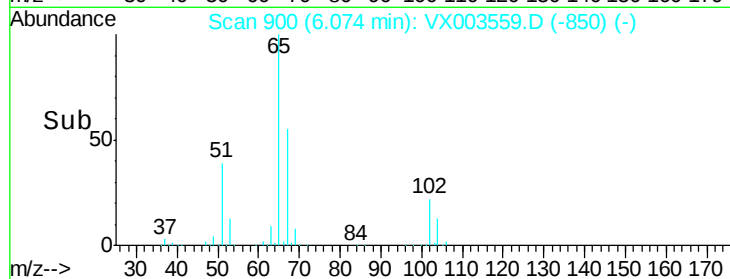
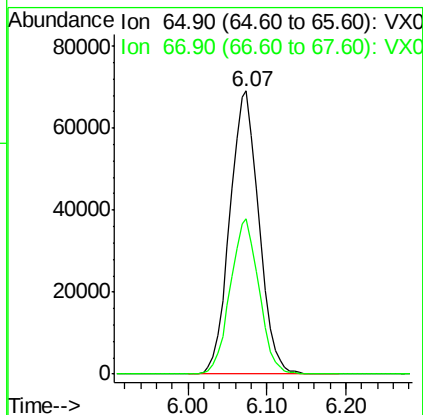
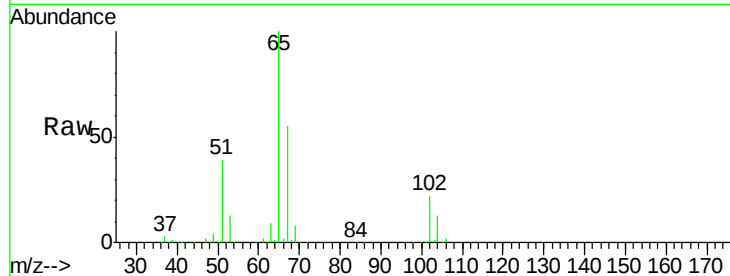




#33
 1,2-Dichloroethane-d4
 Concen: 53.77 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003559.D
 Acq: 21 Jul 2018 17:07

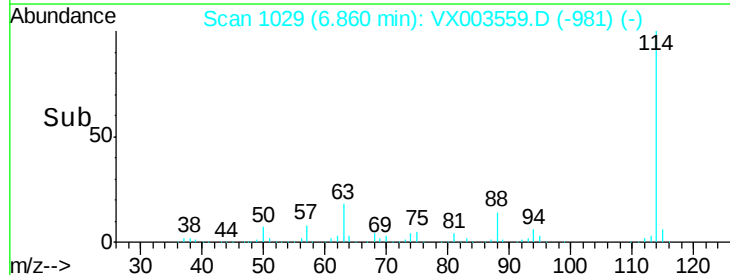
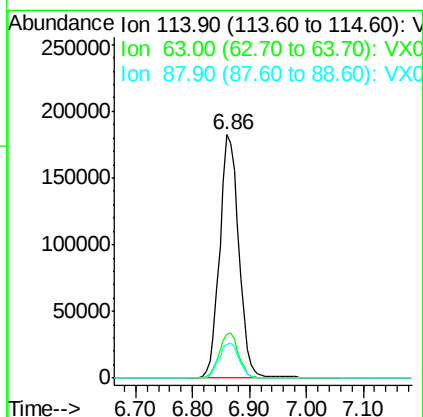
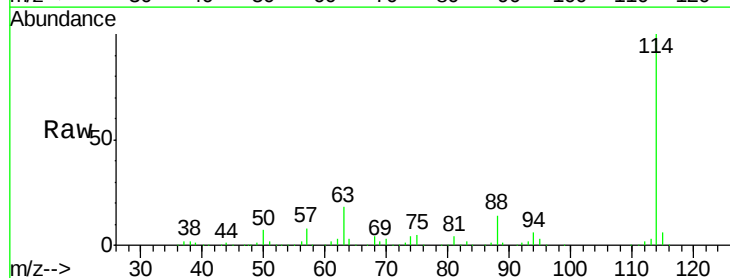
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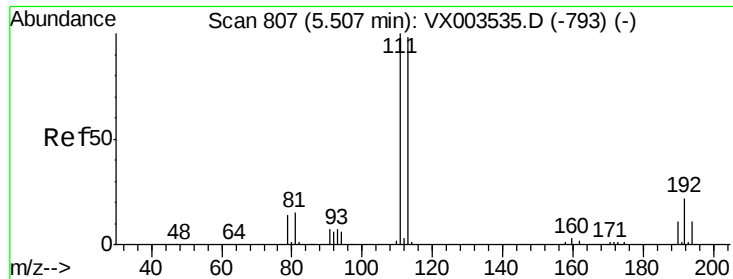
Tot Ion: 65 Resp: 177148
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003559.D
 Acq: 21 Jul 2018 17:07

Tgt Ion: 114 Resp: 426446
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 41.4
 88 14.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.58 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003559.D

Acq: 21 Jul 2018 17:07

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-071218DL

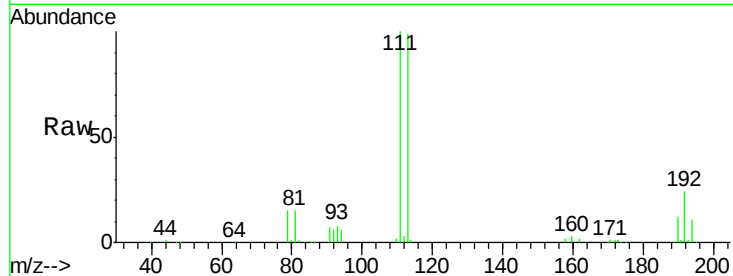
Tot Ion:113 Resp: 154548

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

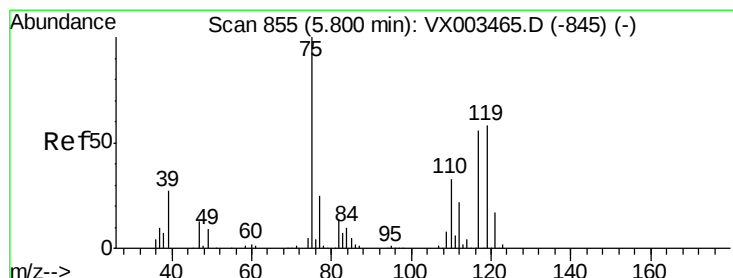
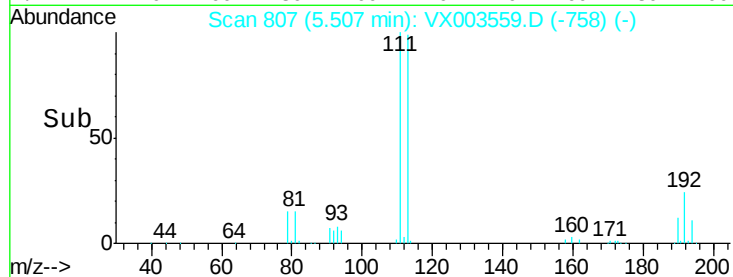
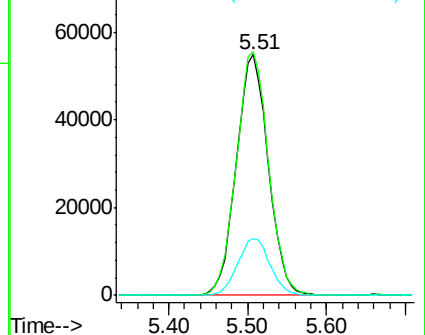
192 24.0 19.1 28.7



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: 3.90 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003559.D

Acq: 21 Jul 2018 17:07

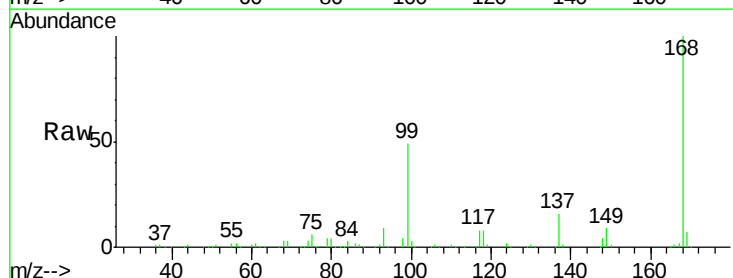
Tgt Ion: 75 Resp: 17958

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.4#

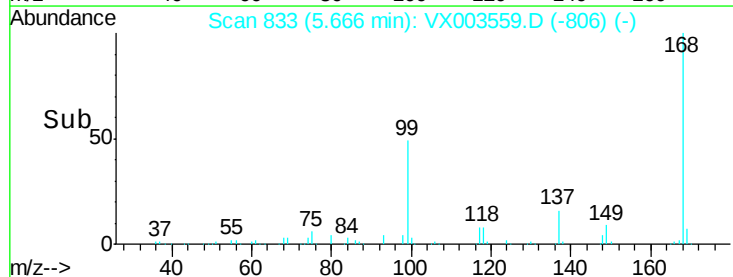
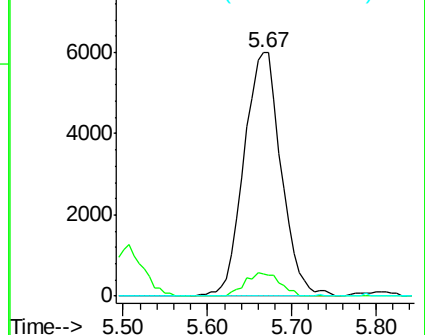
77 0.0 24.3 36.5#

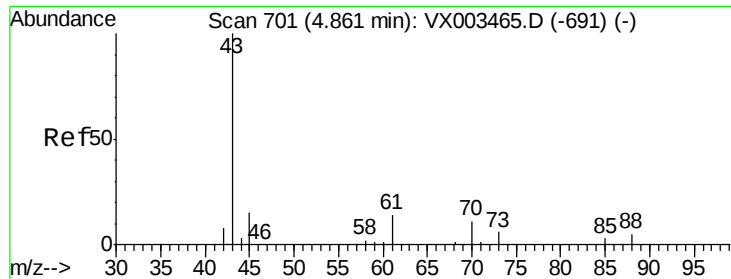


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

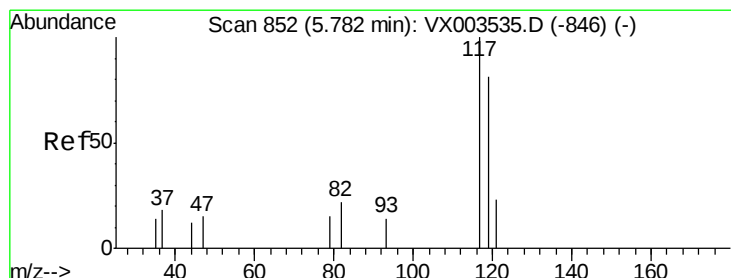
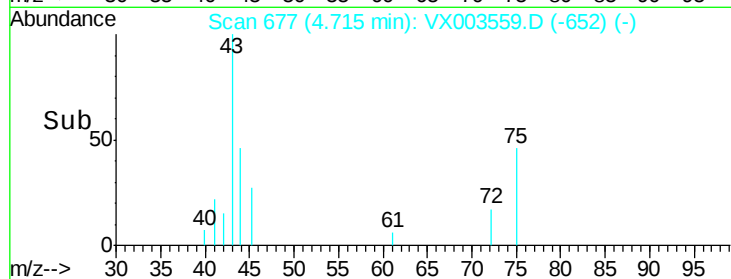
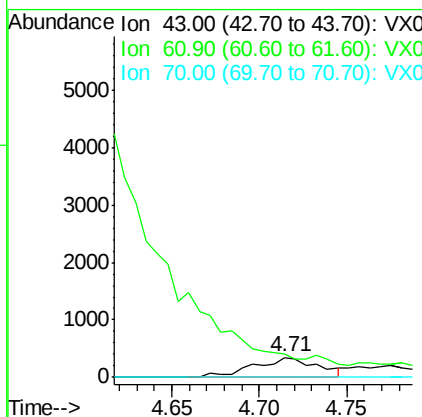
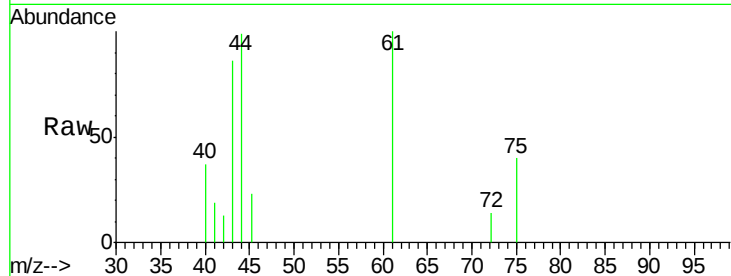




#37
Ethyl Acetate
Concen: 0.20 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.15 min
Lab File: VX003559.D
Acq: 21 Jul 2018 17:07

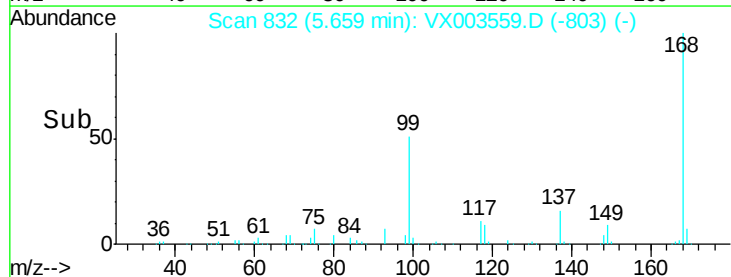
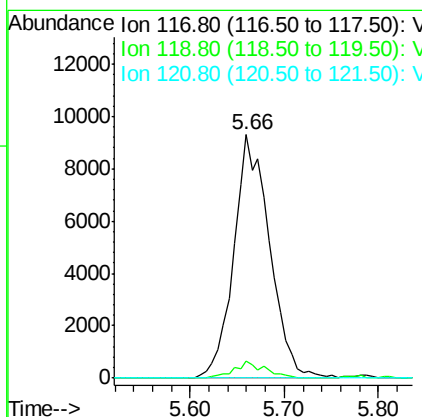
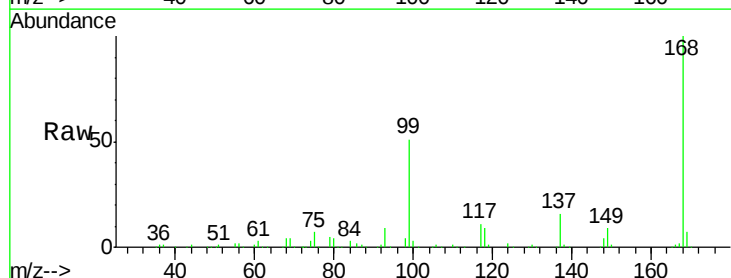
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-071218DL

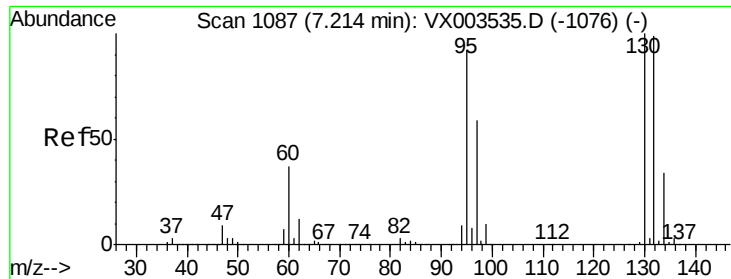
Tot Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 5.46 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.12 min
Lab File: VX003559.D
Acq: 21 Jul 2018 17:07

Tgt Ion: 117 Resp: 24676
Ion Ratio Lower Upper
117 100
119 7.1 77.4 116.0#
121 0.0 24.4 36.6#





#44

Trichloroethene

Concen: 45.80 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003559.D

Acq: 21 Jul 2018 17:07

Instrument :

MSVOA_X

ClientSampleId :

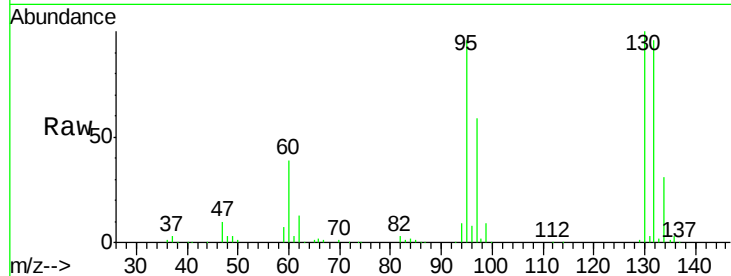
RE103D3-071218DL

Tot Ion:130 Resp: 189886

Ion Ratio Lower Upper

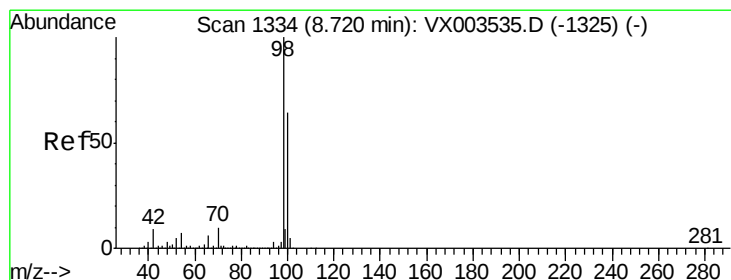
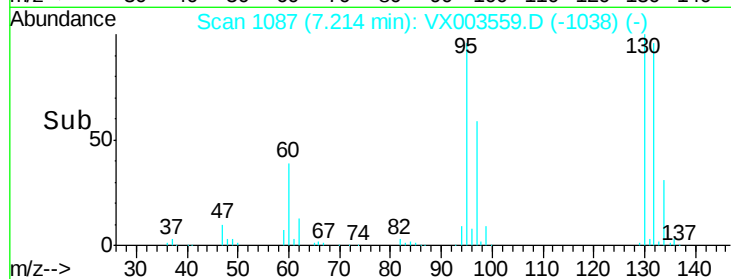
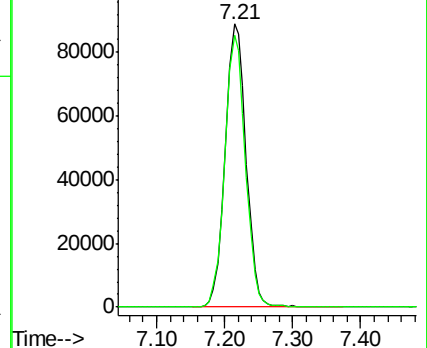
130 100

95 95.8 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.45 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003559.D

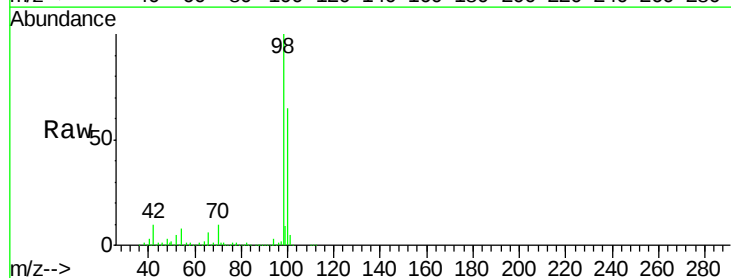
Acq: 21 Jul 2018 17:07

Tgt Ion: 98 Resp: 591558

Ion Ratio Lower Upper

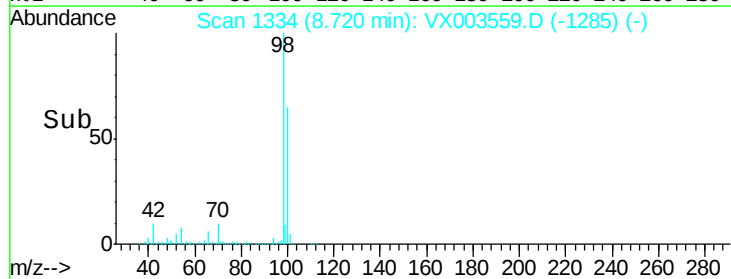
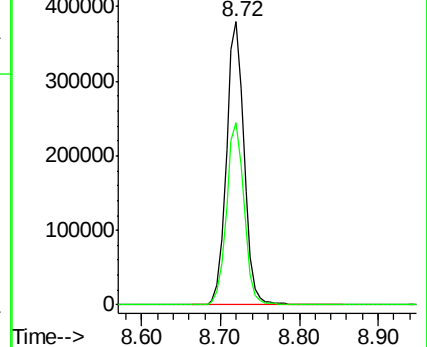
98 100

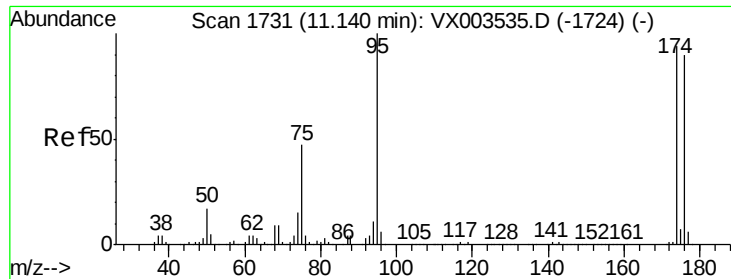
100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

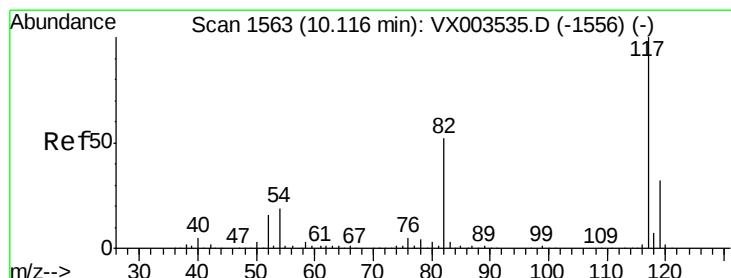
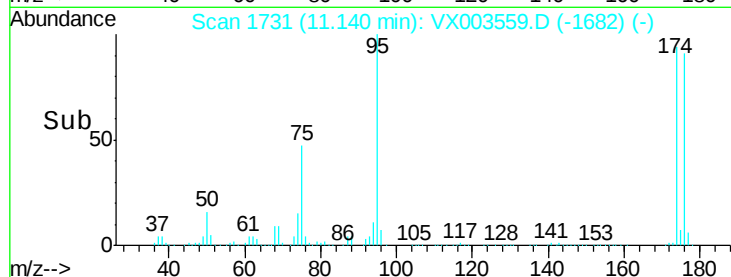
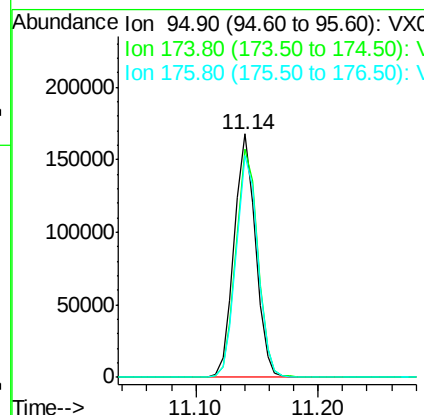
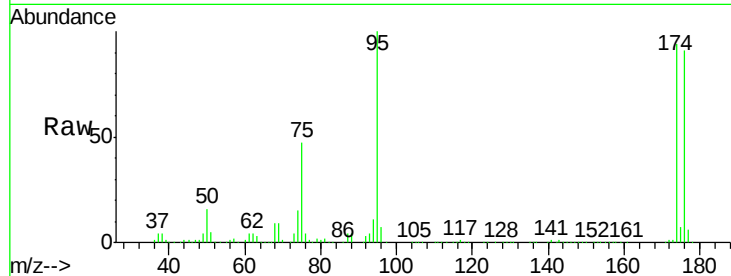




#62
4-Bromofluorobenzene
Concen: 45.31 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003559.D
Acq: 21 Jul 2018 17:07

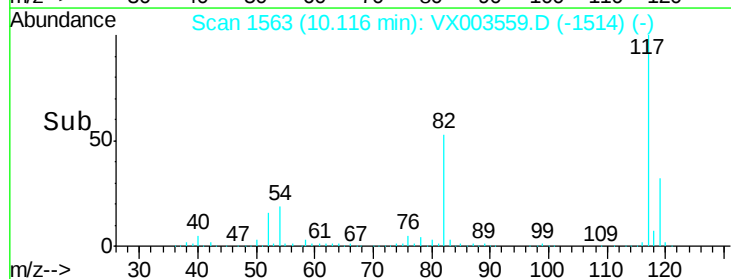
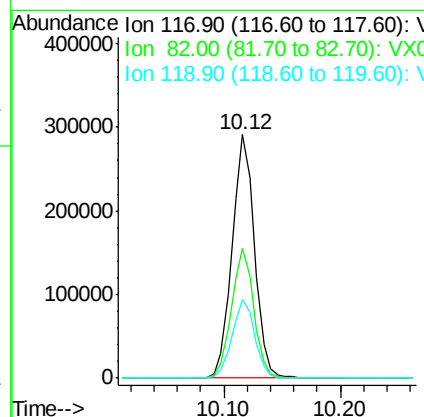
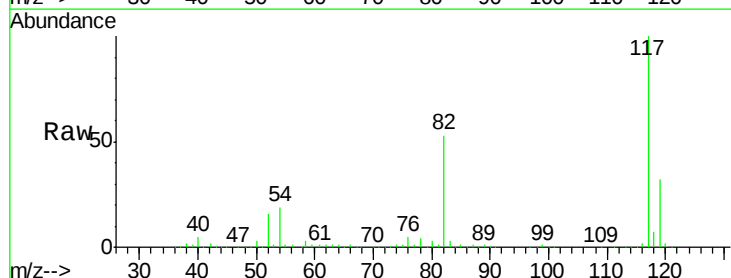
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-071218DL

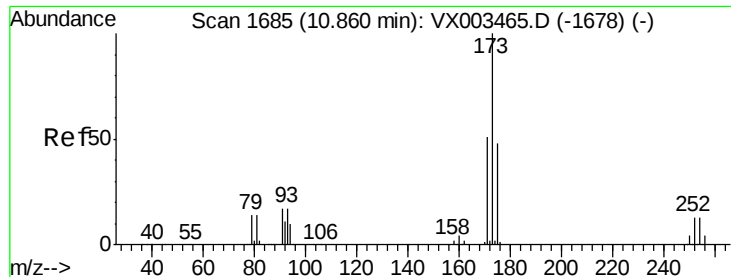
Tot Ion: 95 Resp: 201888
Ion Ratio Lower Upper
95 100
174 96.1 0.0 187.4
176 92.7 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003559.D
Acq: 21 Jul 2018 17:07

Tgt Ion: 117 Resp: 388354
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 32.2 25.8 38.6

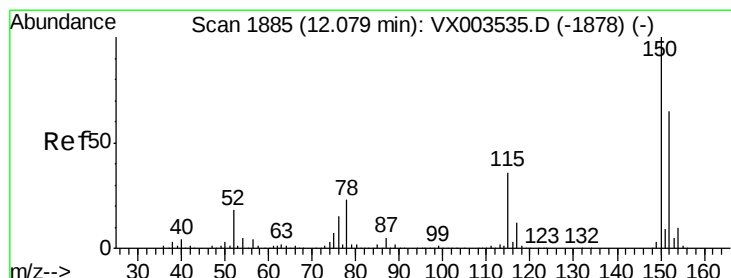
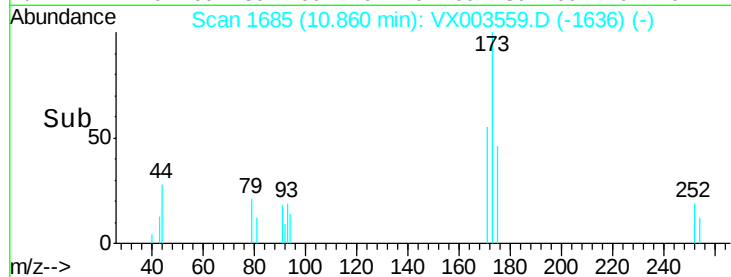
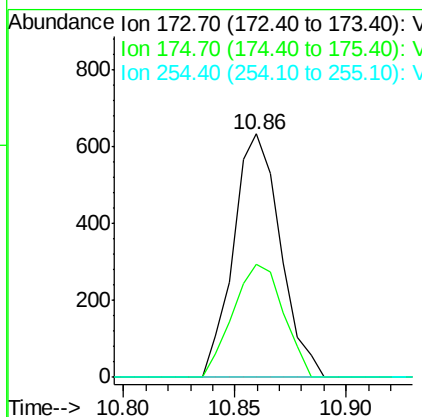
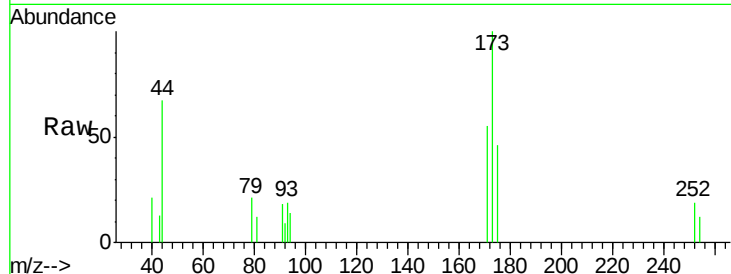




#71
Bromoform
Concen: 0.35 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003559.D
Acq: 21 Jul 2018 17:07

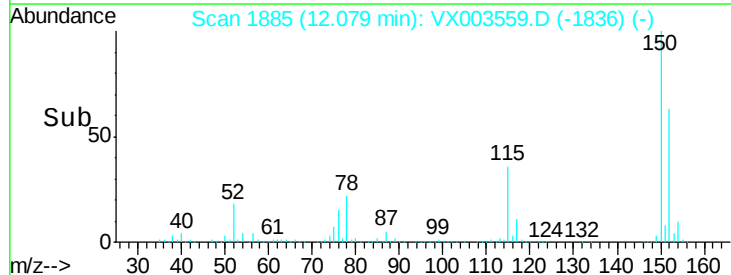
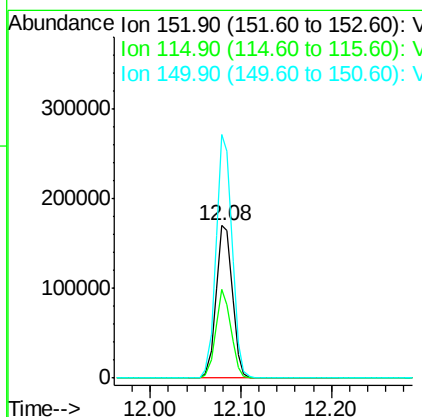
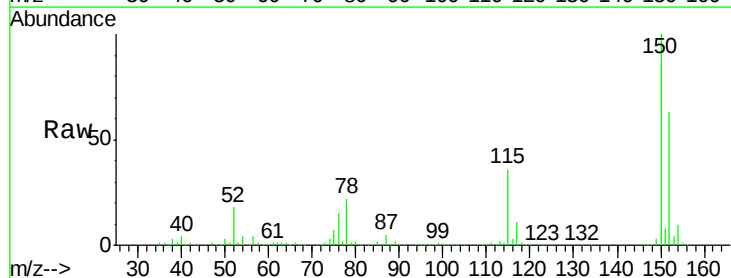
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-071218DL

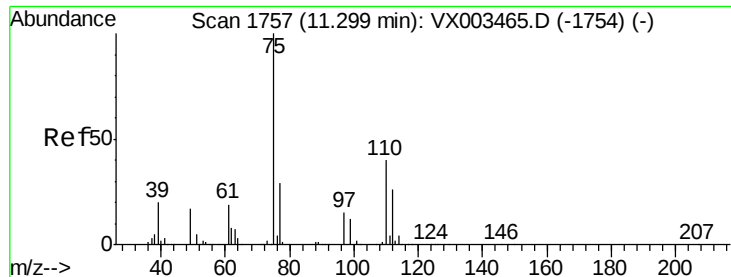
Tot Ion:173 Resp: 932
Ion Ratio Lower Upper
173 100
175 49.7 24.7 74.1
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003559.D
Acq: 21 Jul 2018 17:07

Tgt Ion:152 Resp: 216515
Ion Ratio Lower Upper
152 100
115 54.1 40.1 120.2
150 156.1 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 24.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003559.D

Acq: 21 Jul 2018 17:07

Instrument :

MSVOA_X

ClientSampleId :

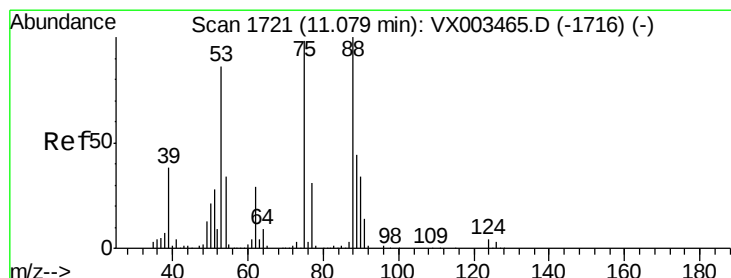
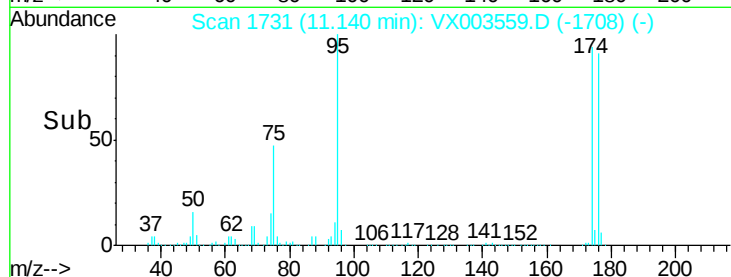
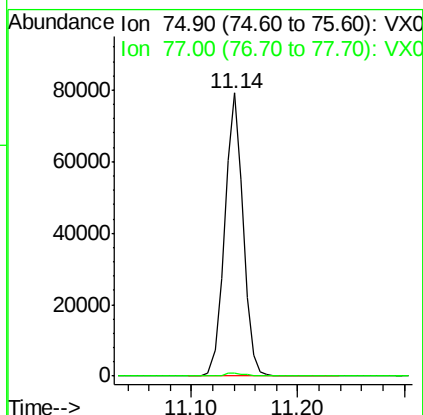
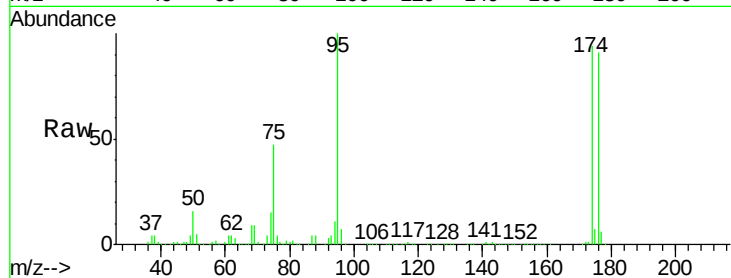
RE103D3-071218DL

Tot Ion: 75 Resp: 95413

Ion Ratio Lower Upper

75 100

77 1.3 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003559.D

Acq: 21 Jul 2018 17:07

Tgt Ion: 75 Resp: 95413

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

