

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072018\
 Data File : VX003532.D
 Acq On : 21 Jul 2018 02:16
 Operator : JC/SP
 Sample : J4014-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-071218

Quant Time: Jul 21 03:45:40 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	288656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	422364	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224534	50.00	ug/l	0.00

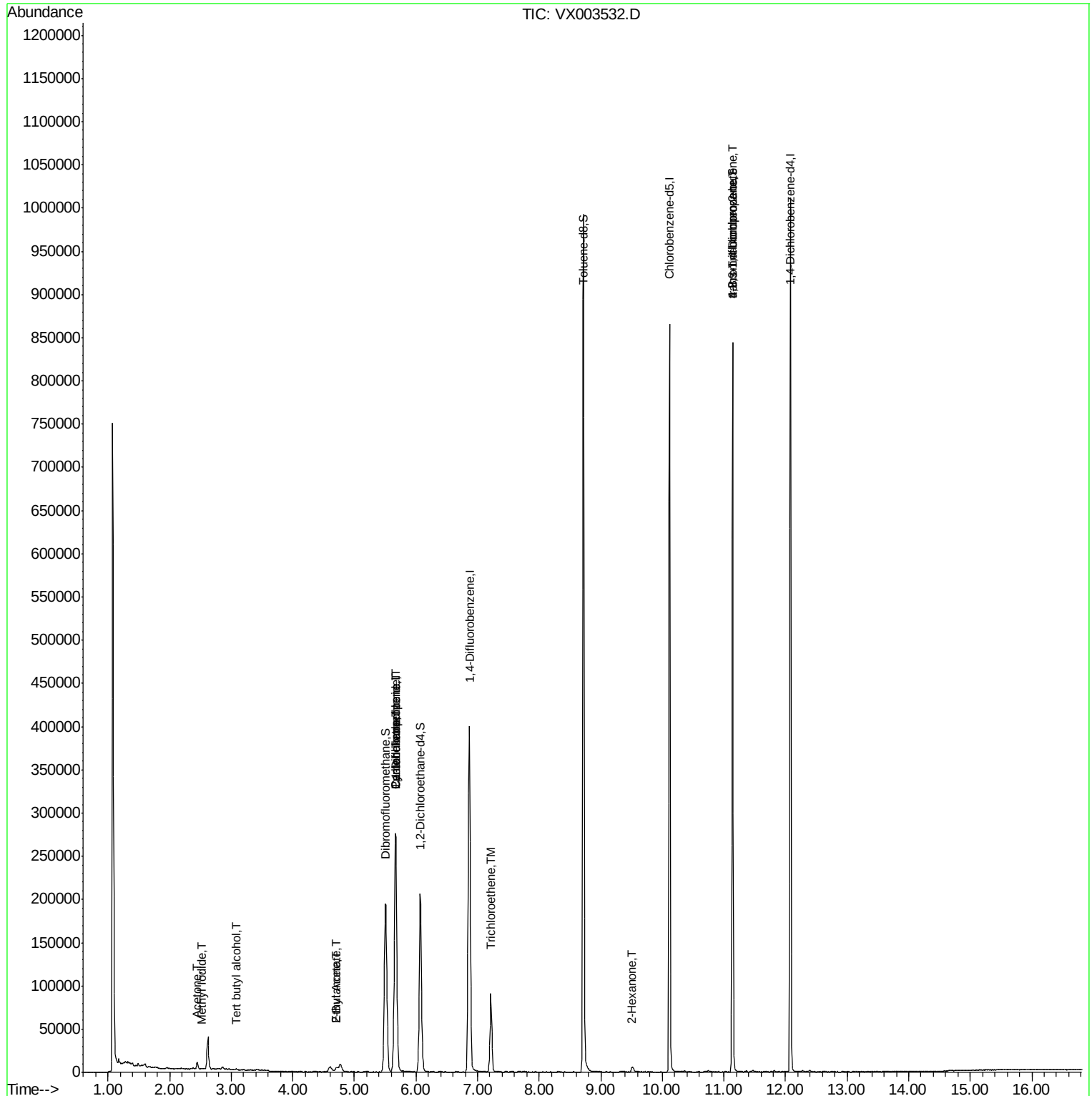
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	187468	54.87	ug/l	0.00
Spiked Amount			Recovery	=	109.74%	
35) Dibromofluoromethane	5.50	113	172155	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
50) Toluene-d8	8.72	98	611980	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.14	95	209712	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	

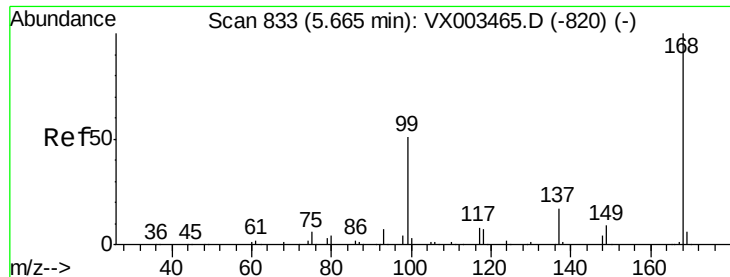
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	63	Below Cal	#	43
3) Chloromethane	1.32	50	485	Below Cal	#	88
5) Bromomethane	1.65	94	458	Below Cal		96
10) Methyl Iodide	2.52	142	787	0.20	ug/l #	82
11) Tert butyl alcohol	3.07	59	1362	2.01	ug/l #	84
16) Acetone	2.45	43	8131	6.30	ug/l #	81
20) Methylene Chloride	2.86	84	1127	Below Cal	#	83
25) 2-Butanone	4.71	43	9109	4.21	ug/l	95
31) Cyclohexane	5.67	56	4810	0.93	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18180	3.99	ug/l #	49
37) Ethyl Acetate	4.71	43	9109	2.11	ug/l #	70
38) Carbon Tetrachloride	5.67	117	25498	5.70	ug/l #	16
44) Trichloroethene	7.21	130	36843	8.97	ug/l	99
59) 2-Hexanone	9.50	43	3159	0.98	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	97229	24.10	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	97229	67.59	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# 834

Delta R.T. 0.01 min

Lab File: VX003532.D

Acq: 21 Jul 2018 02:16

Instrument :

MSVOA_X

ClientSampleId :

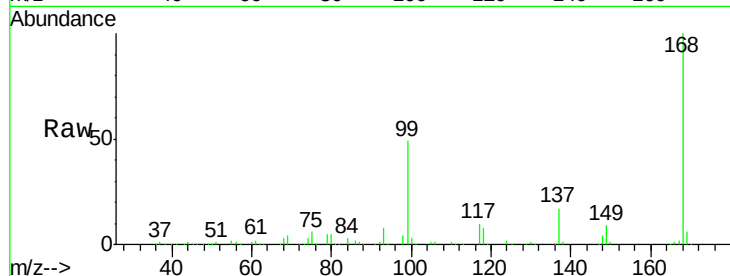
RE122D3-071218

Tot Ion:168 Resp: 288656

Ion Ratio Lower Upper

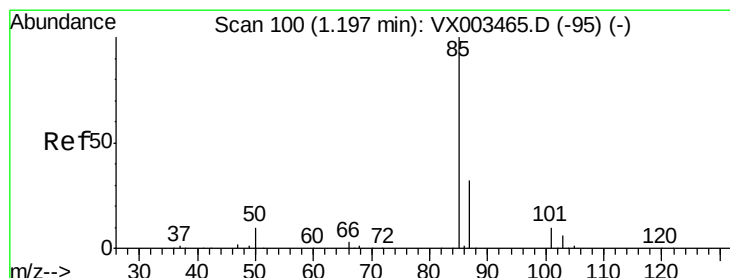
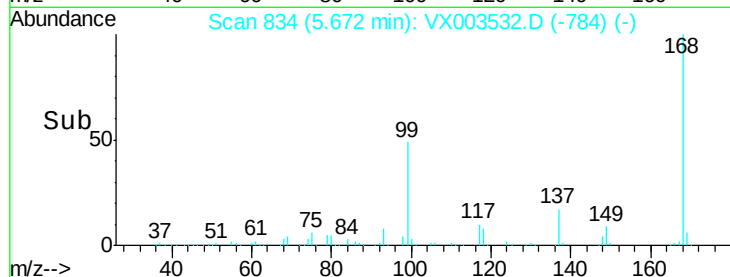
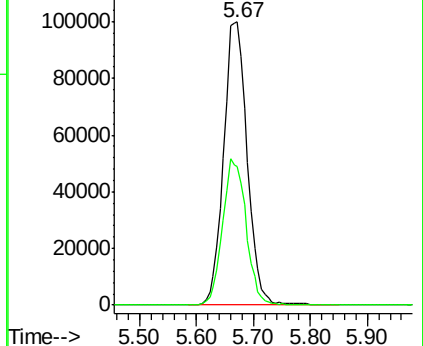
168 100

99 49.0 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# 101

Delta R.T. 0.01 min

Lab File: VX003532.D

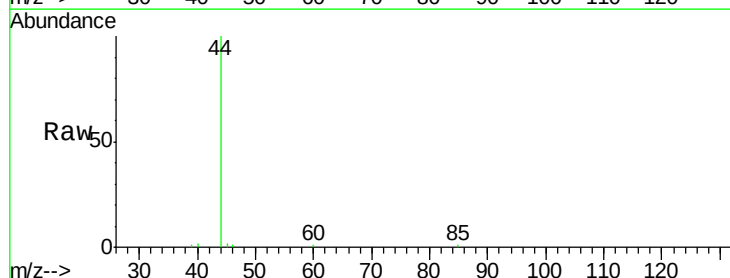
Acq: 21 Jul 2018 02:16

Tgt Ion: 85 Resp: 63

Ion Ratio Lower Upper

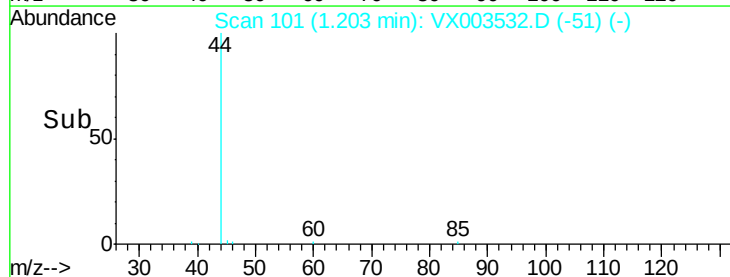
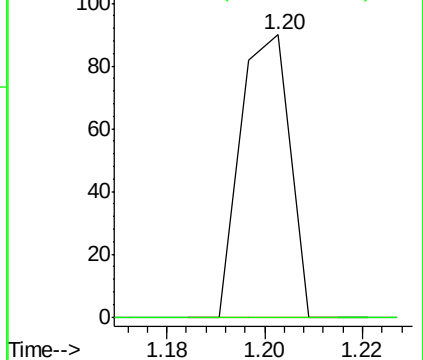
85 100

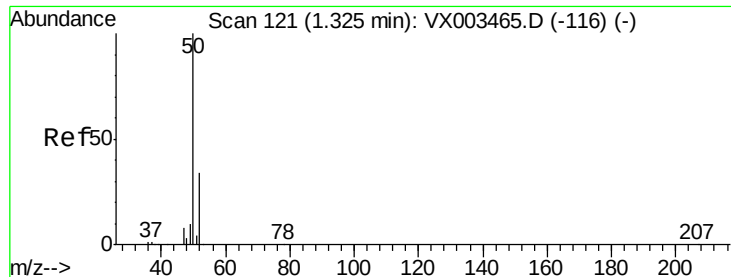
87 0.0 16.0 47.9#



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: VX003532.D

Acq: 21 Jul 2018 02:16

Instrument :

MSVOA_X

ClientSampleId :

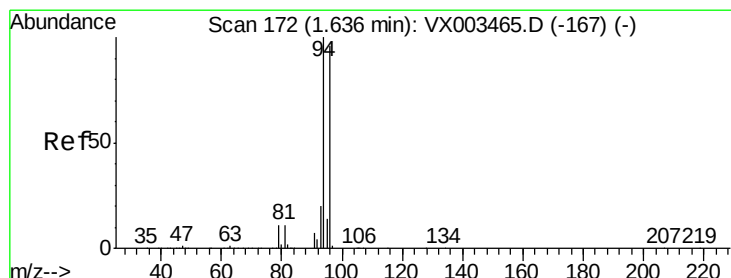
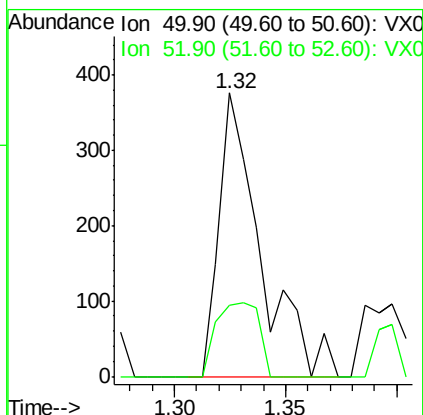
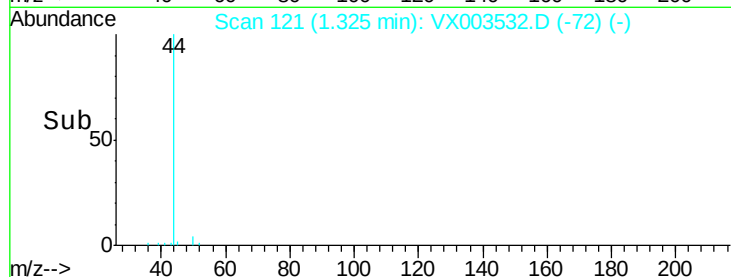
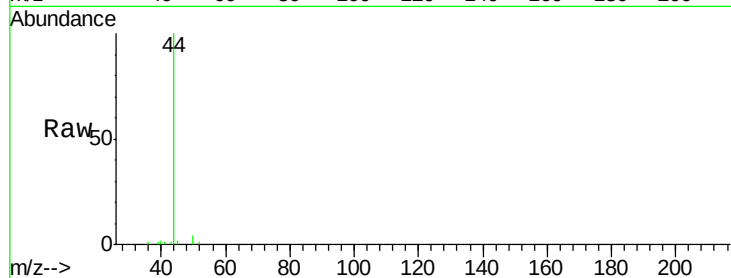
RE122D3-071218

Tot Ion: 50 Resp: 485

Ion Ratio Lower Upper

50 100

52 25.3 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003532.D

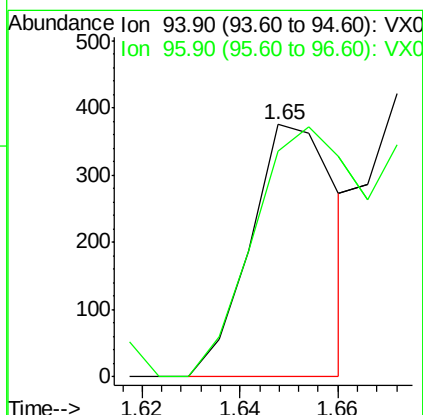
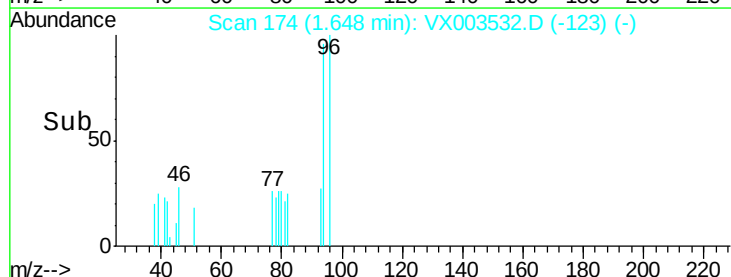
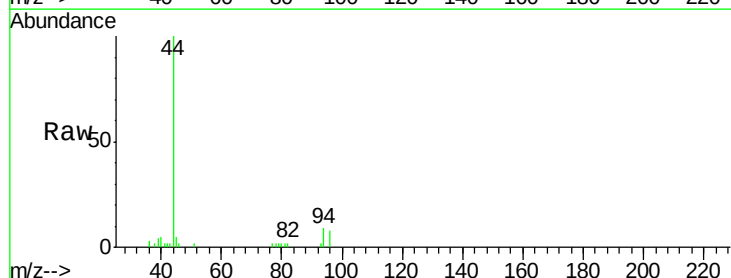
Acq: 21 Jul 2018 02:16

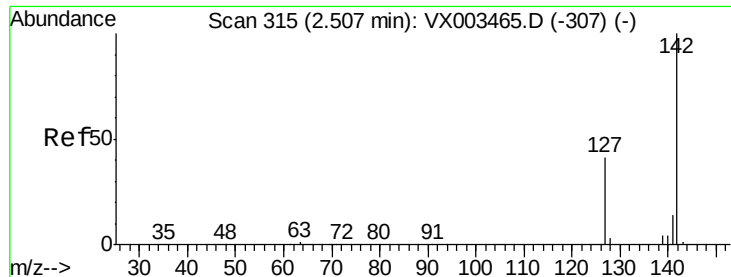
Tgt Ion: 94 Resp: 458

Ion Ratio Lower Upper

94 100

96 89.6 74.9 112.3

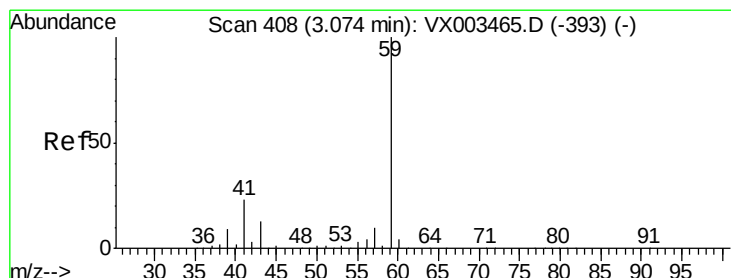
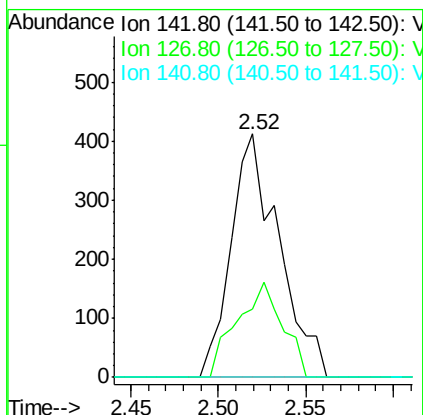
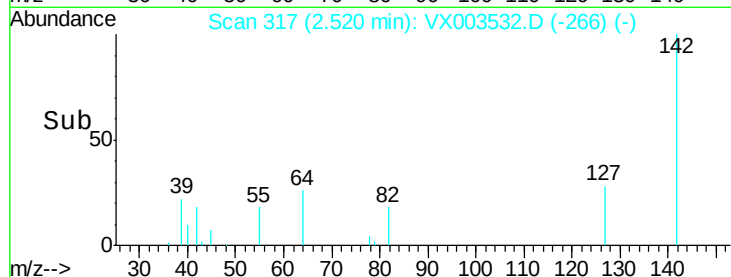
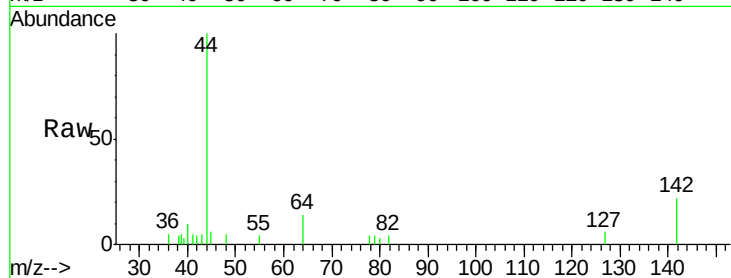




#10
Methyl Iodide
Concen: 0.20 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003532.D
Acq: 21 Jul 2018 02:16

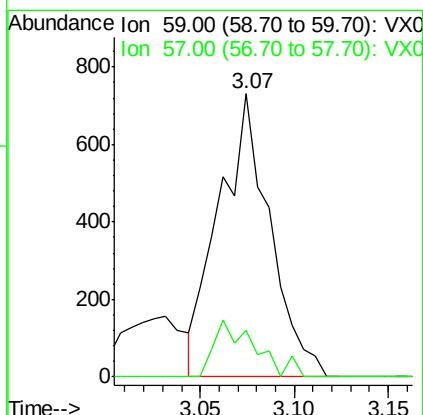
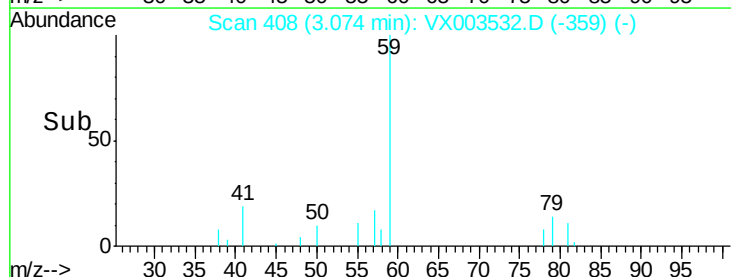
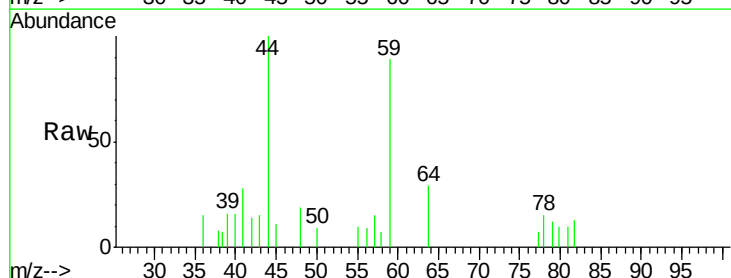
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-071218

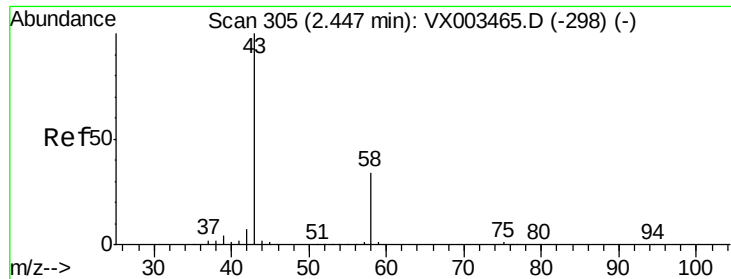
Tot Ion:142 Resp: 787
Ion Ratio Lower Upper
142 100
127 37.0 36.6 55.0
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 2.01 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX003532.D
Acq: 21 Jul 2018 02:16

Tgt Ion: 59 Resp: 1362
Ion Ratio Lower Upper
59 100
57 16.2 8.2 12.2#





#16

Acetone

Concen: 6.30 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003532.D

Acq: 21 Jul 2018 02:16

Instrument :

MSVOA_X

ClientSampleId :

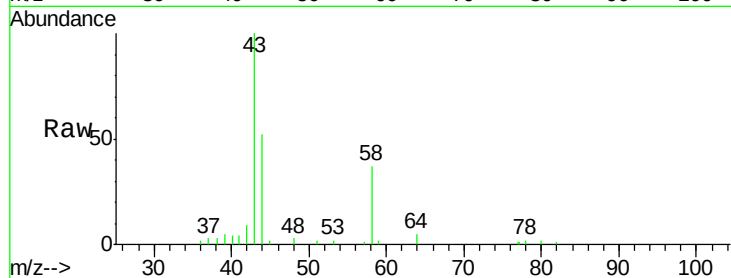
RE122D3-071218

Tot Ion: 43 Resp: 8131

Ion Ratio Lower Upper

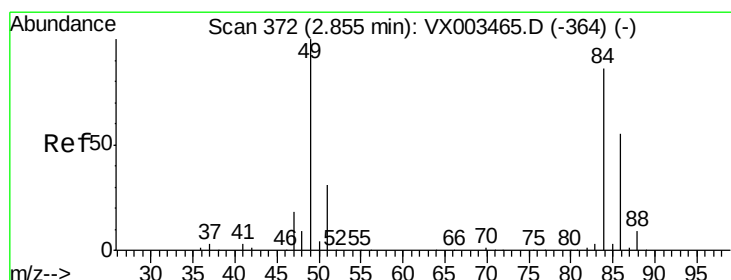
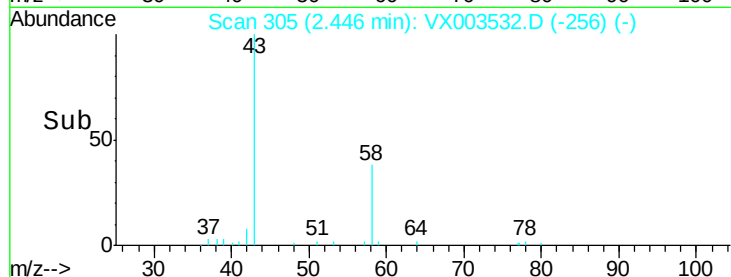
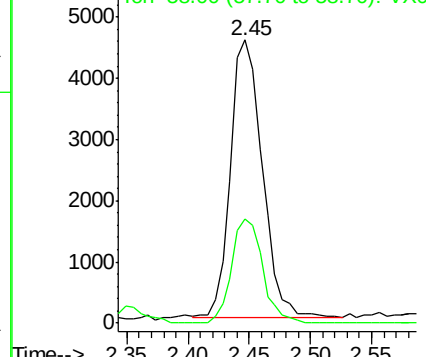
43 100

58 37.6 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003532.D

Acq: 21 Jul 2018 02:16

Tgt Ion: 84 Resp: 1127

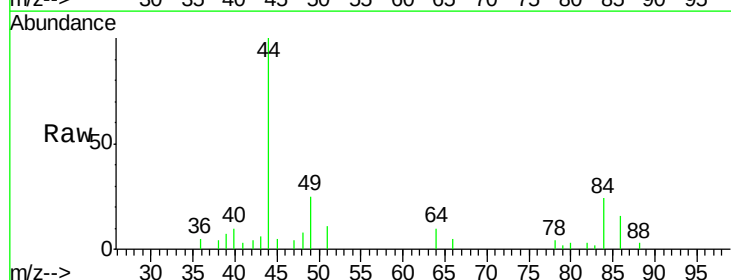
Ion Ratio Lower Upper

84 100

49 103.6 107.8 161.6#

51 46.0 32.8 49.2

86 67.4 52.5 78.7

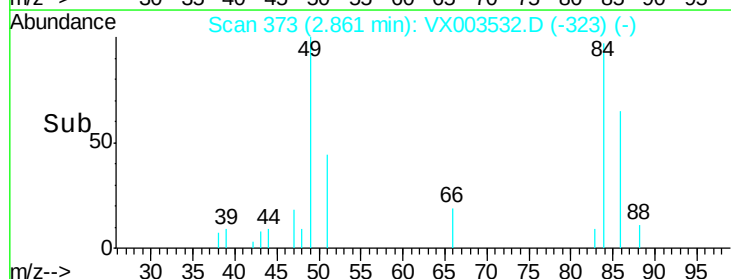
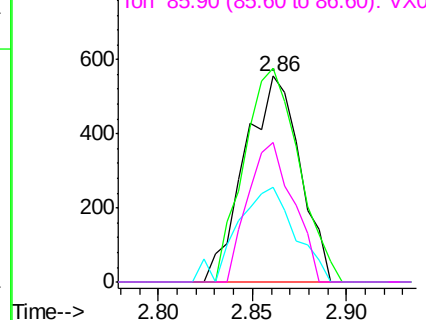


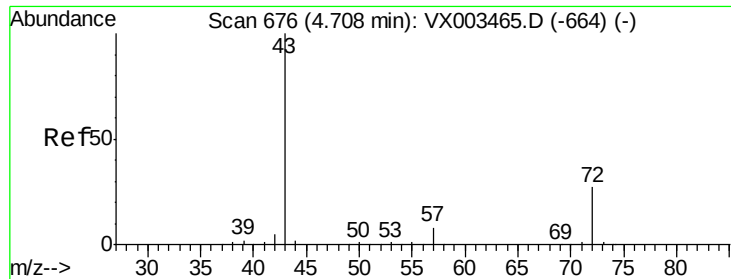
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 4.21 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003532.D

Acq: 21 Jul 2018 02:16

Instrument :

MSVOA_X

ClientSampleId :

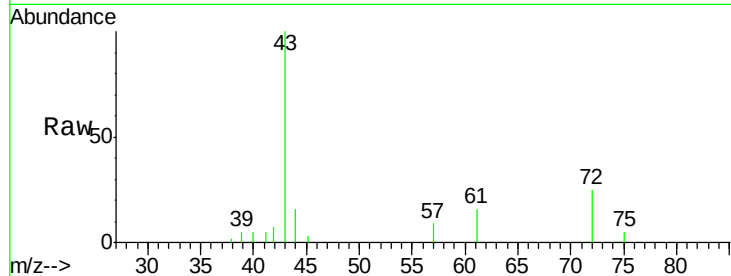
RE122D3-071218

Tot Ion: 43 Resp: 9109

Ion Ratio Lower Upper

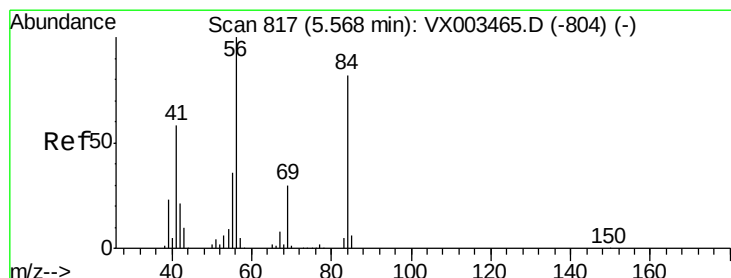
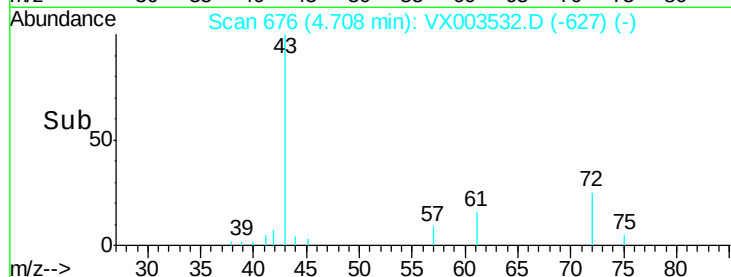
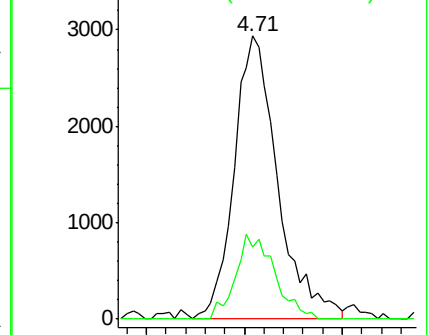
43 100

72 25.4 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 0.93 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX003532.D

Acq: 21 Jul 2018 02:16

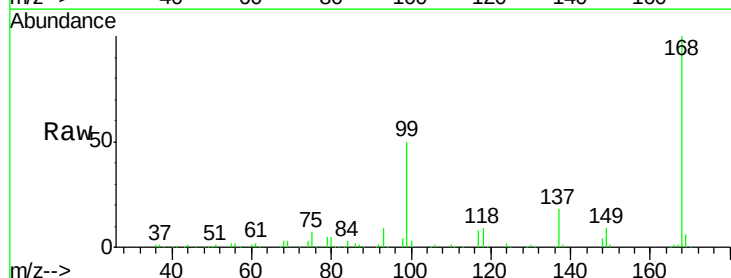
Tgt Ion: 56 Resp: 4810

Ion Ratio Lower Upper

56 100

69 185.4 23.7 35.5#

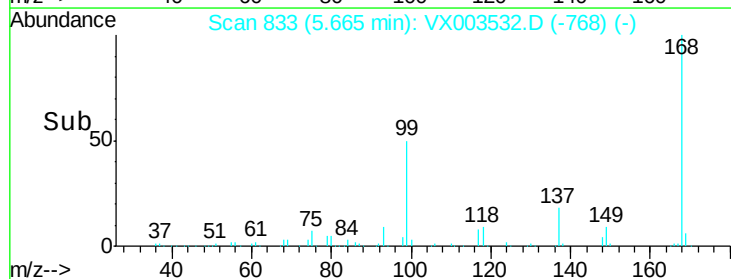
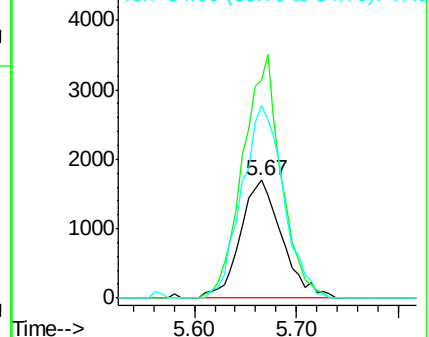
84 163.3 64.1 96.1#

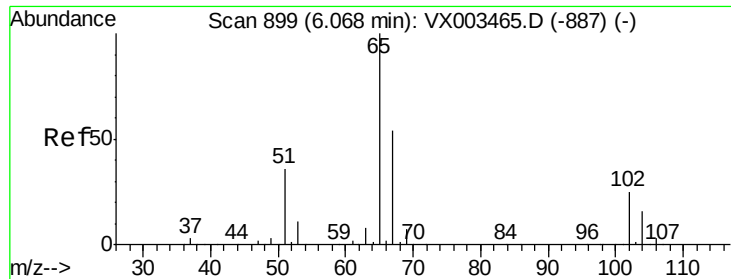


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

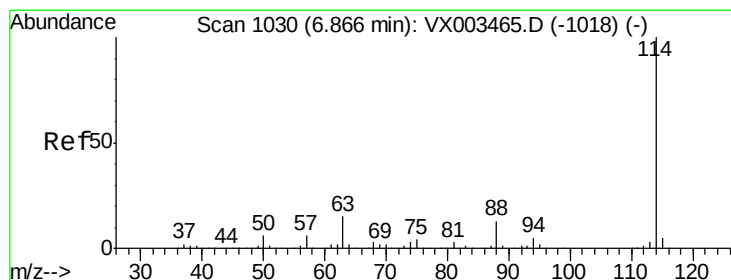
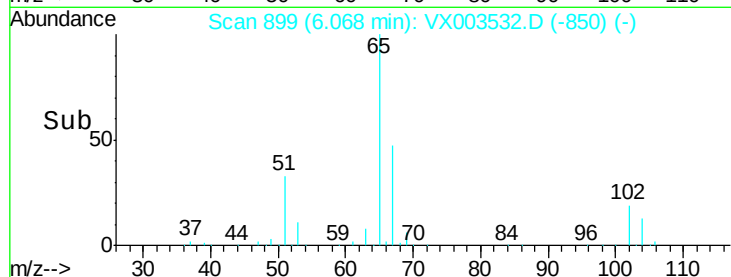
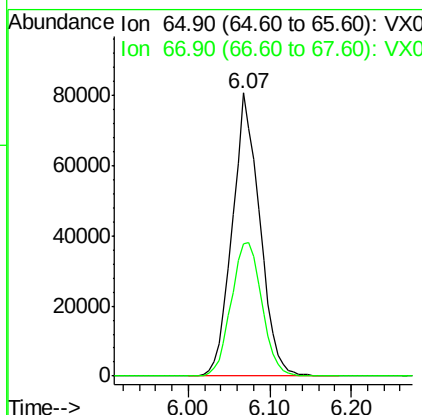
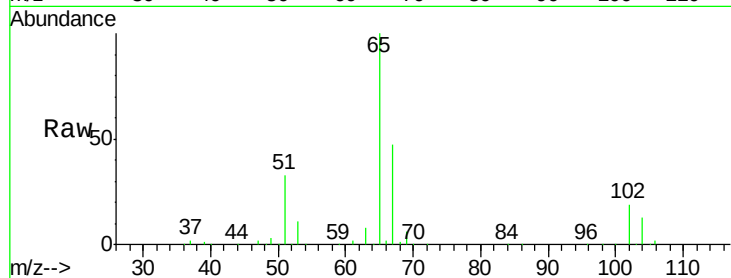




#33
 1,2-Dichloroethane-d4
 Concen: 54.87 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003532.D
 Acq: 21 Jul 2018 02:16

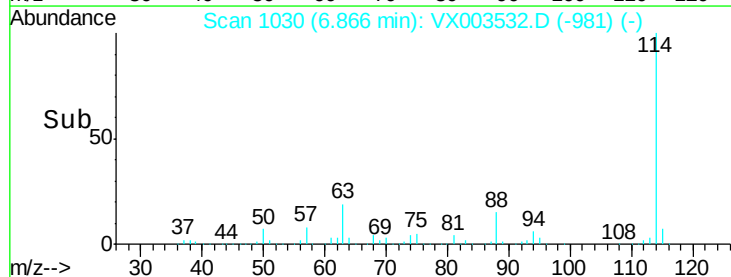
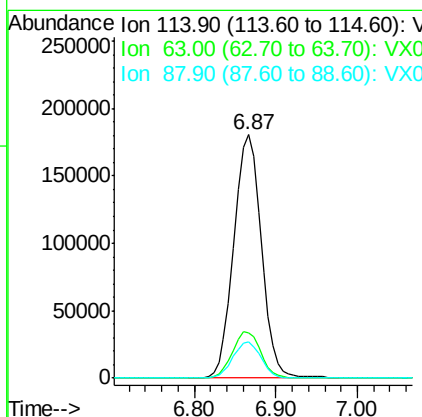
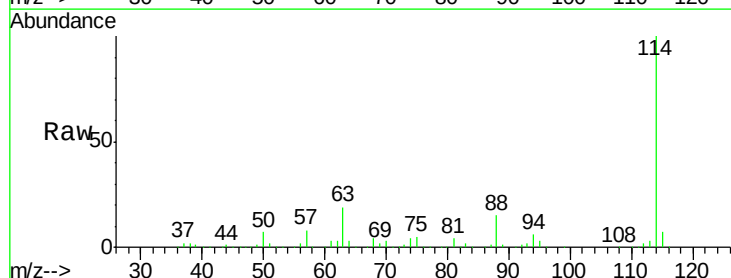
Instrument :
 MSVOA_X
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 RE122D3-071218

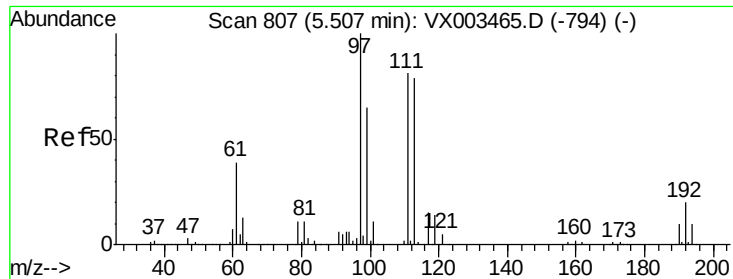
Tot Ion: 65 Resp: 187468
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003532.D
 Acq: 21 Jul 2018 02:16

Tgt Ion: 114 Resp: 422364
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 41.4
 88 14.7 0.0 30.0

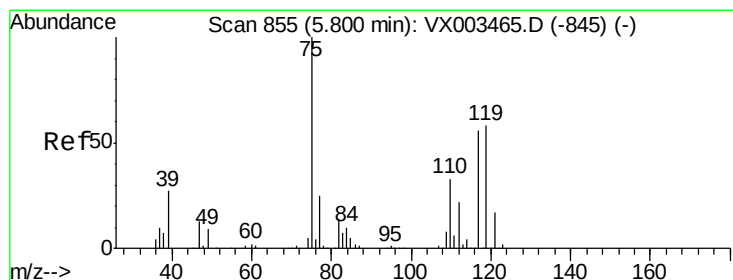
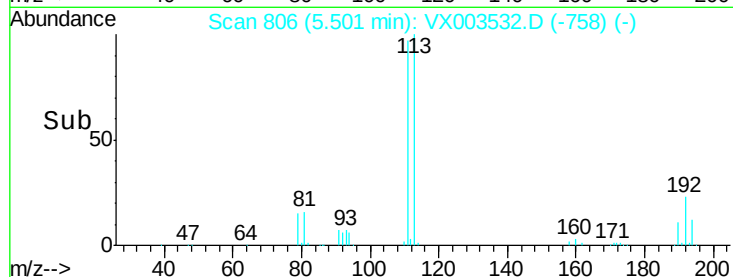
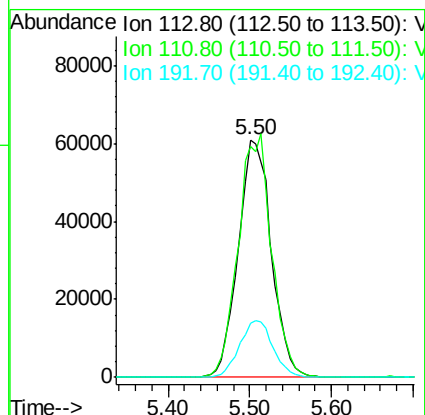
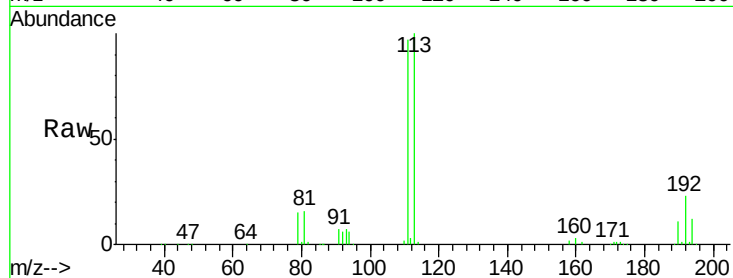




#35
 Dibromofluoromethane
 Concen: 53.51 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003532.D
 Acq: 21 Jul 2018 02:16

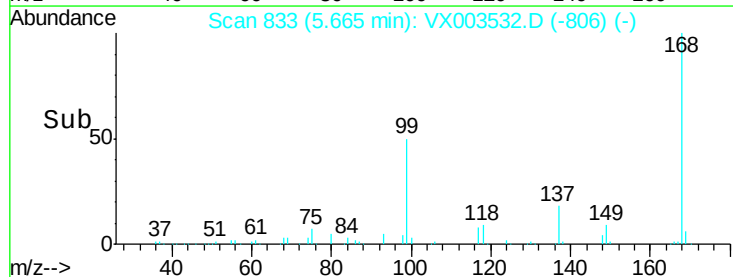
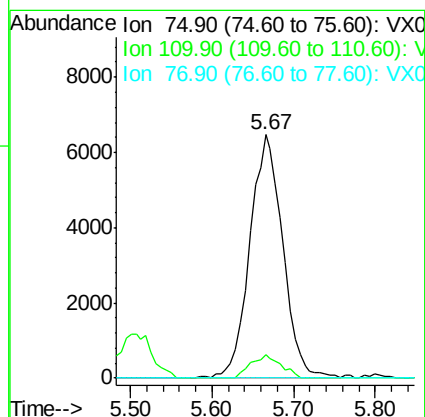
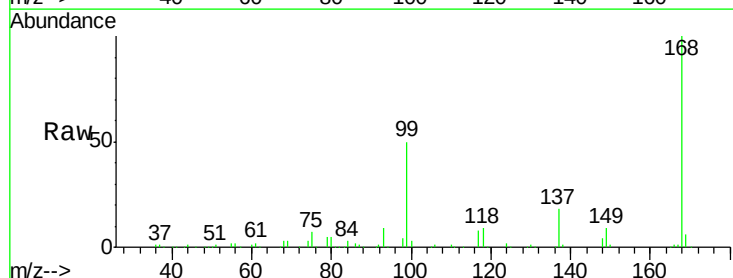
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-071218

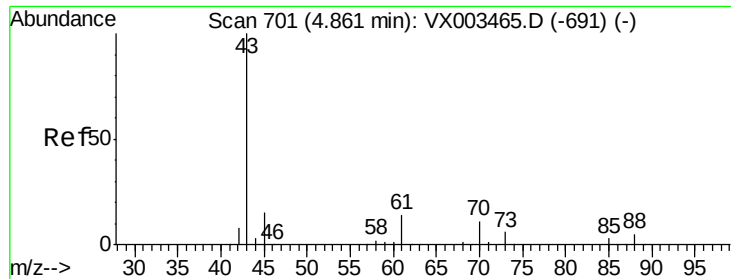
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	24.2	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 3.99 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003532.D
 Acq: 21 Jul 2018 02:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.4#
77	0.0	24.3	36.5#

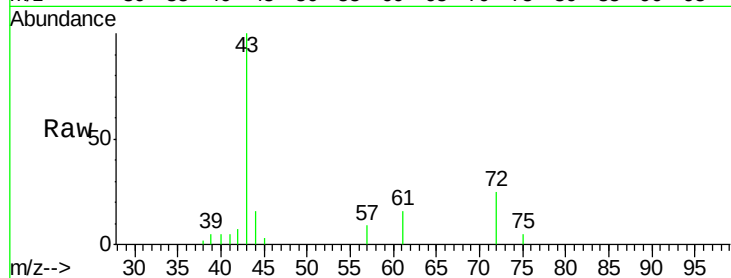




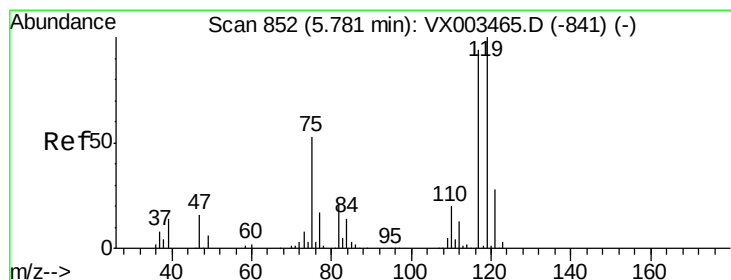
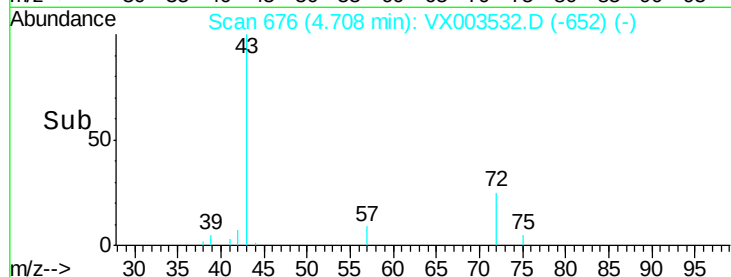
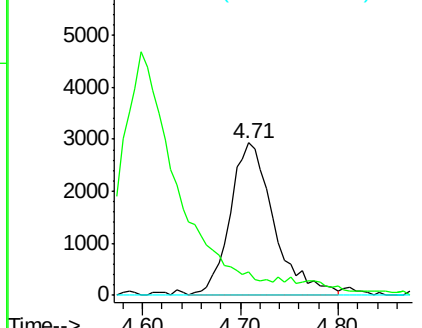
#37
Ethyl Acetate
Concen: 2.11 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.15 min
Lab File: VX003532.D
Acq: 21 Jul 2018 02:16

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-071218

Tot Ion: 43 Resp: 9109
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 7.6 11.4#

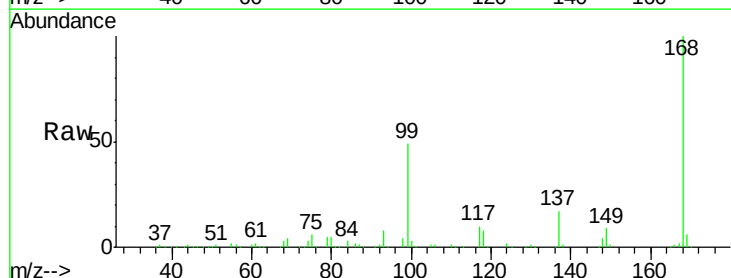


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

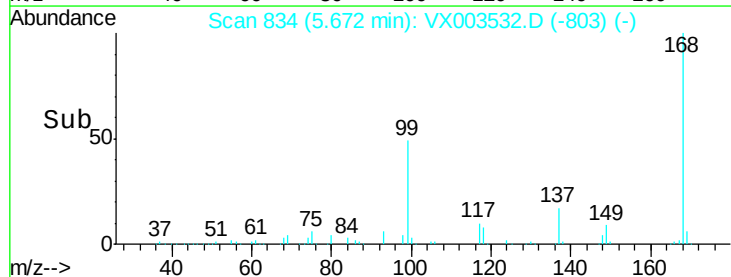
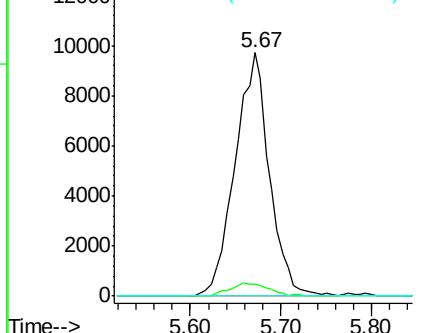


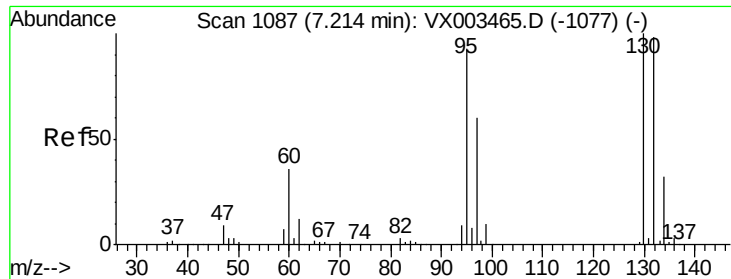
#38
Carbon Tetrachloride
Concen: 5.70 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.11 min
Lab File: VX003532.D
Acq: 21 Jul 2018 02:16

Tgt Ion: 117 Resp: 25498
Ion Ratio Lower Upper
117 100
119 5.0 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





#44

Trichloroethene

Concen: 8.97 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX003532.D

Acq: 21 Jul 2018 02:16

Instrument :

MSVOA_X

ClientSampleId :

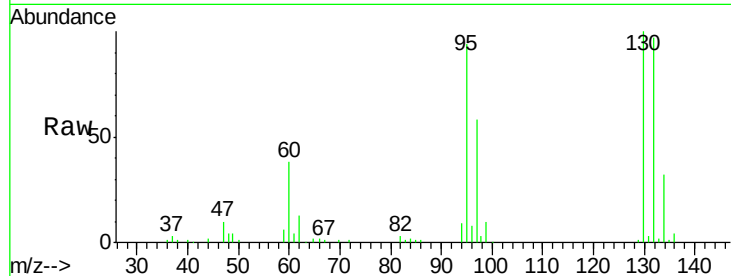
RE122D3-071218

Tot Ion:130 Resp: 36843

Ion Ratio Lower Upper

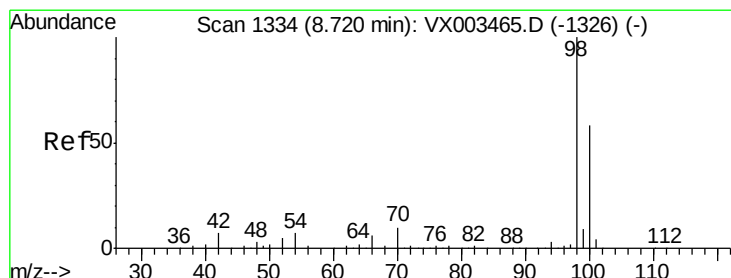
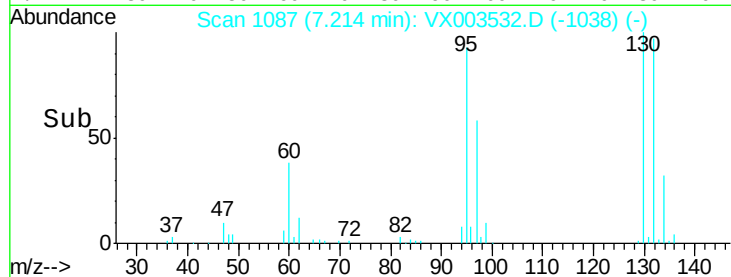
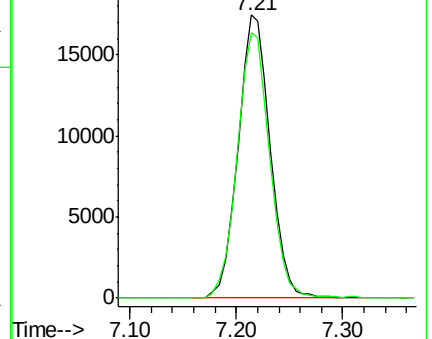
130 100

95 93.7 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: 50.61 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003532.D

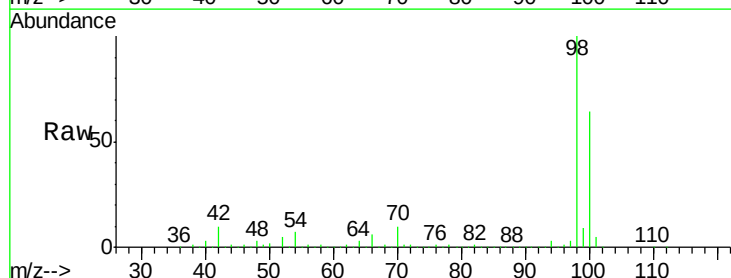
Acq: 21 Jul 2018 02:16

Tgt Ion: 98 Resp: 611980

Ion Ratio Lower Upper

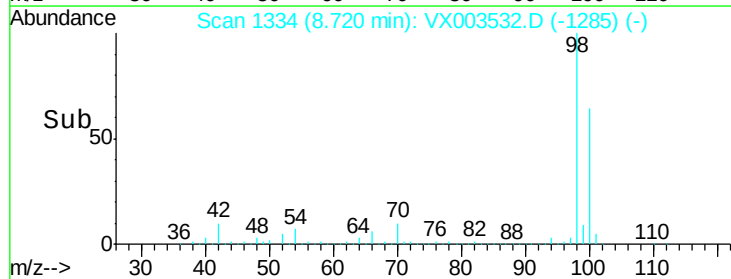
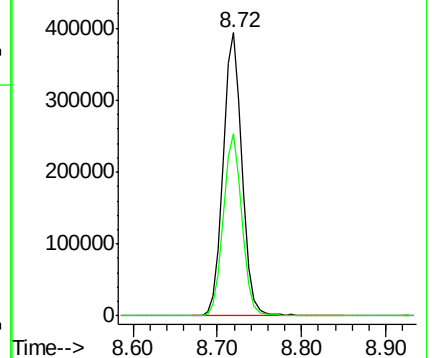
98 100

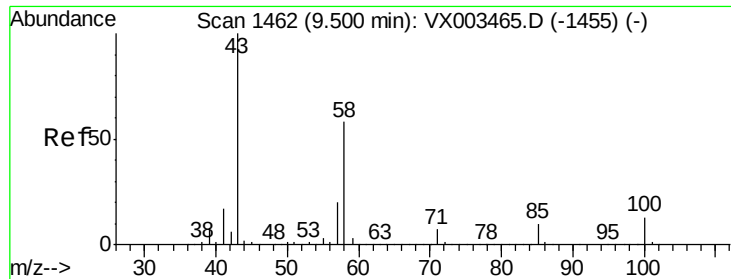
100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

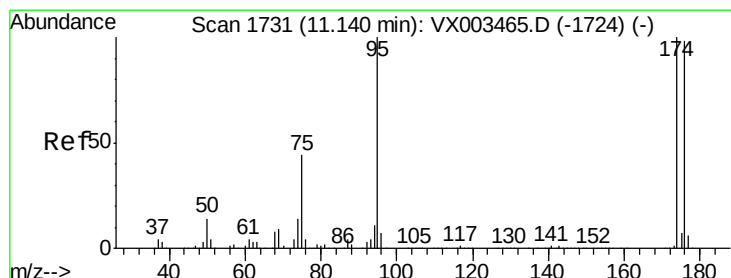
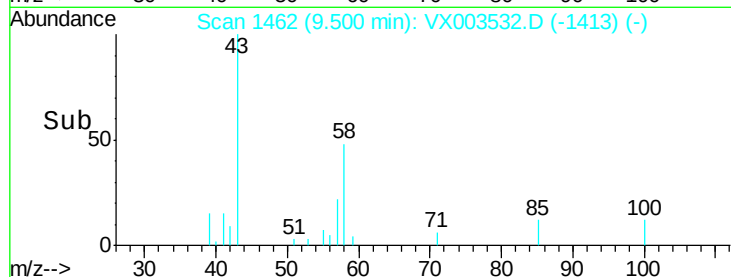
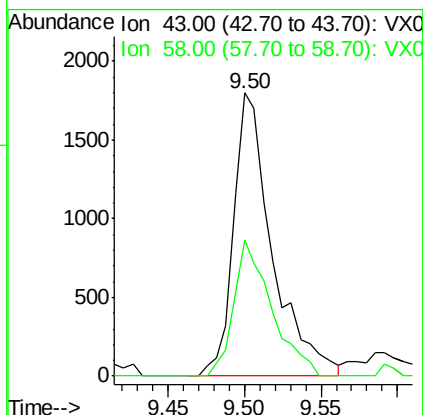
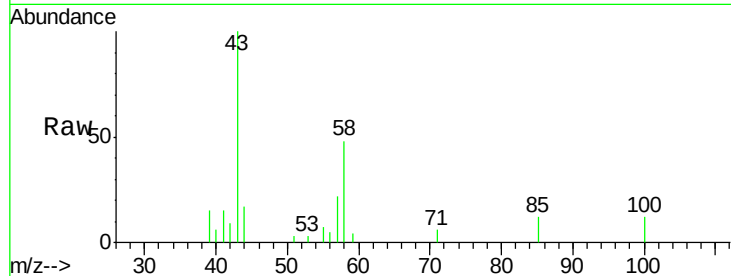




#59
2-Hexanone
Concen: 0.98 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003532.D
Acq: 21 Jul 2018 02:16

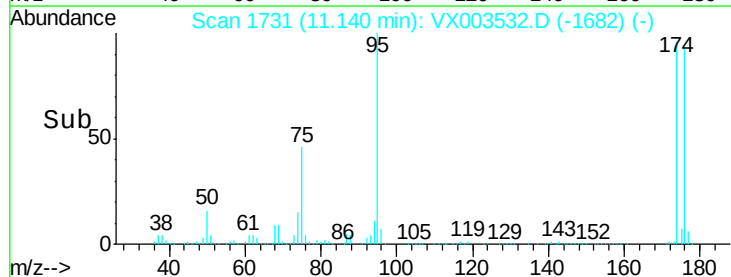
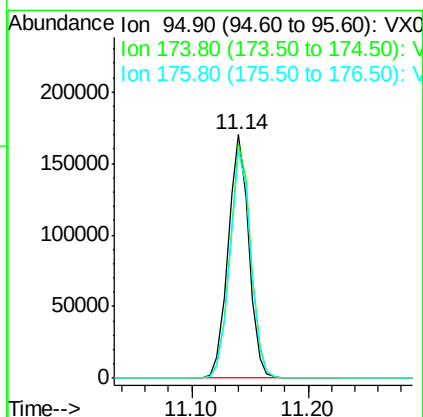
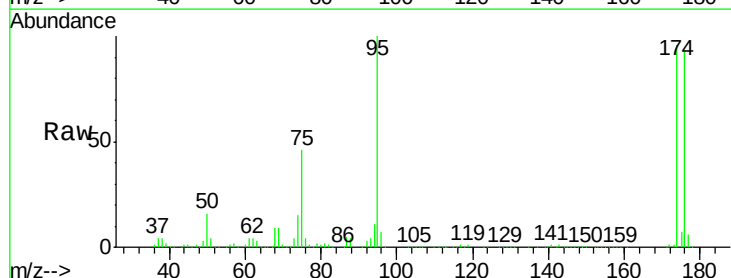
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-071218

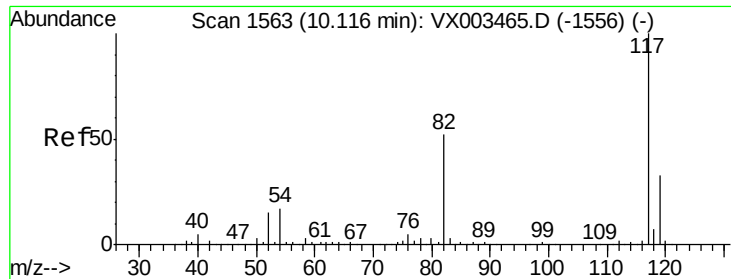
Tot Ion: 43 Resp: 3159
Ion Ratio Lower Upper
43 100
58 47.0 24.6 73.6



#62
4-Bromofluorobenzene
Concen: 47.52 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003532.D
Acq: 21 Jul 2018 02:16

Tgt Ion: 95 Resp: 209712
Ion Ratio Lower Upper
95 100
174 98.0 0.0 187.4
176 94.1 0.0 181.0

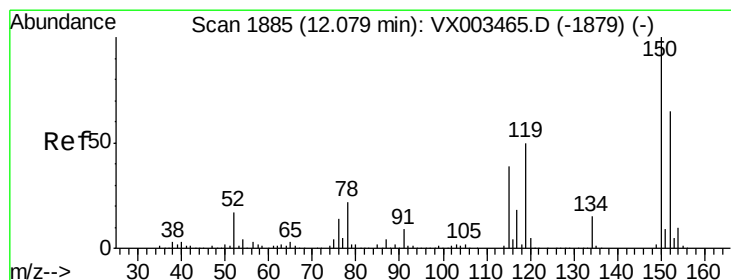
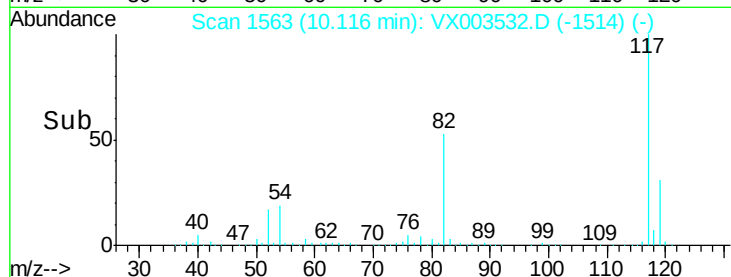
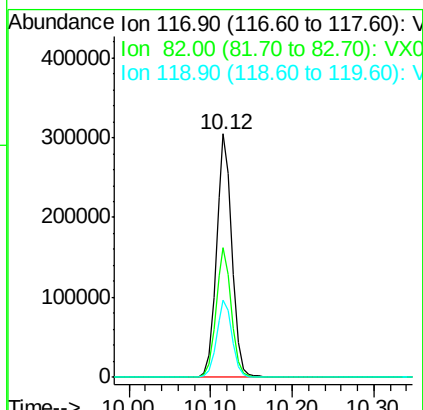
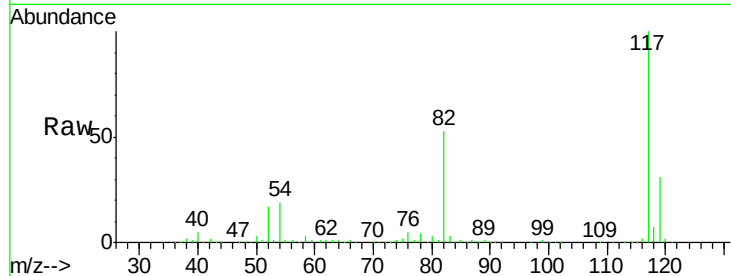




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003532.D
Acq: 21 Jul 2018 02:16

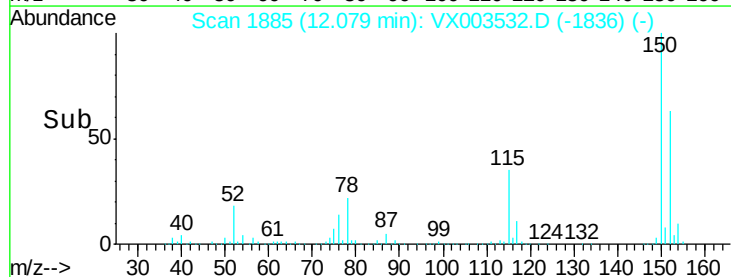
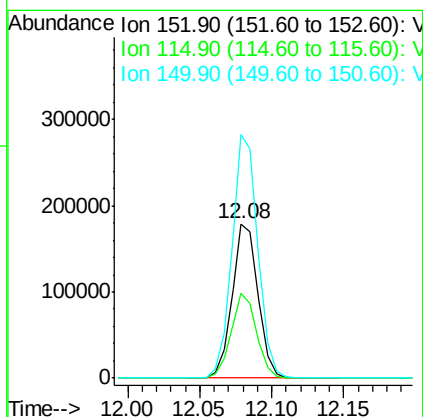
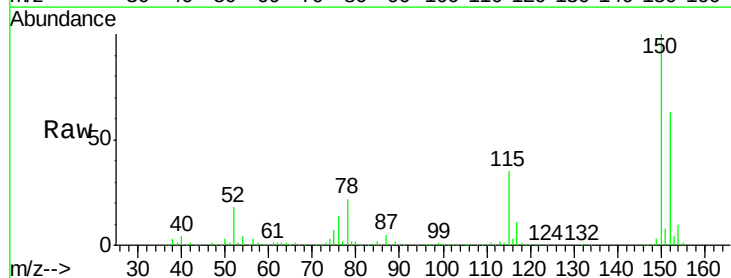
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-071218

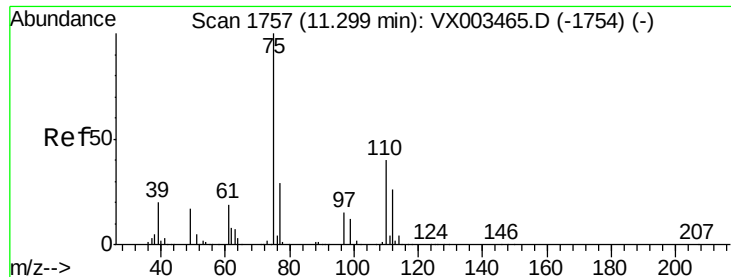
Tot Ion:117 Resp: 406745
Ion Ratio Lower Upper
117 100
82 53.4 45.0 67.4
119 31.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003532.D
Acq: 21 Jul 2018 02:16

Tgt Ion:152 Resp: 224534
Ion Ratio Lower Upper
152 100
115 54.5 40.1 120.2
150 157.6 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 24.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003532.D

Acq: 21 Jul 2018 02:16

Instrument :

MSVOA_X

ClientSampleId :

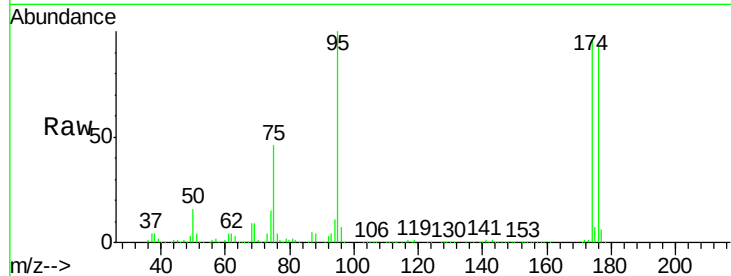
RE122D3-071218

Tot Ion: 75 Resp: 97229

Ion Ratio Lower Upper

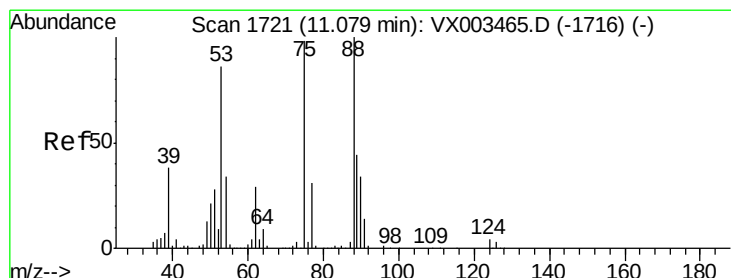
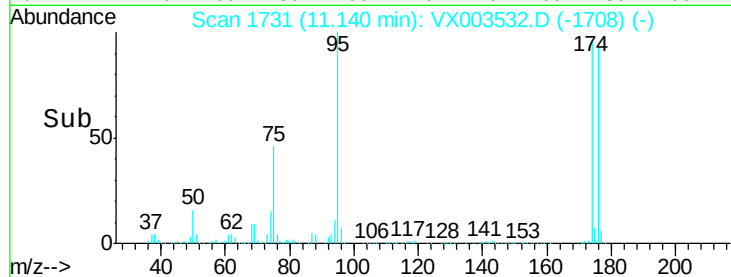
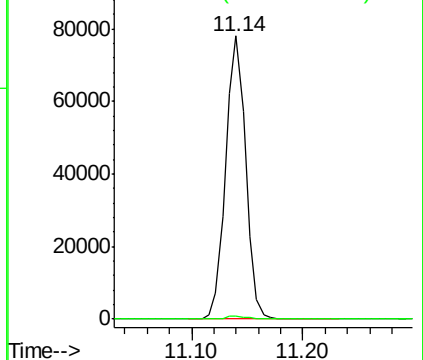
75 100

77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 67.59 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003532.D

Acq: 21 Jul 2018 02:16

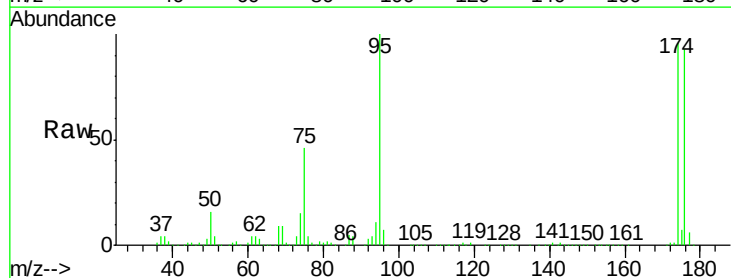
Tgt Ion: 75 Resp: 97229

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

