

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072318\
 Data File : VX003624.D
 Acq On : 24 Jul 2018 01:23
 Operator : JC/SP
 Sample : J4073-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D2-071618

Quant Time: Jul 24 08:53:35 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	245679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	367178	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	158309	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	
35) Dibromofluoromethane	5.51	113	141333	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	8.72	98	525824	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	11.14	95	169625	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	

Target Compounds

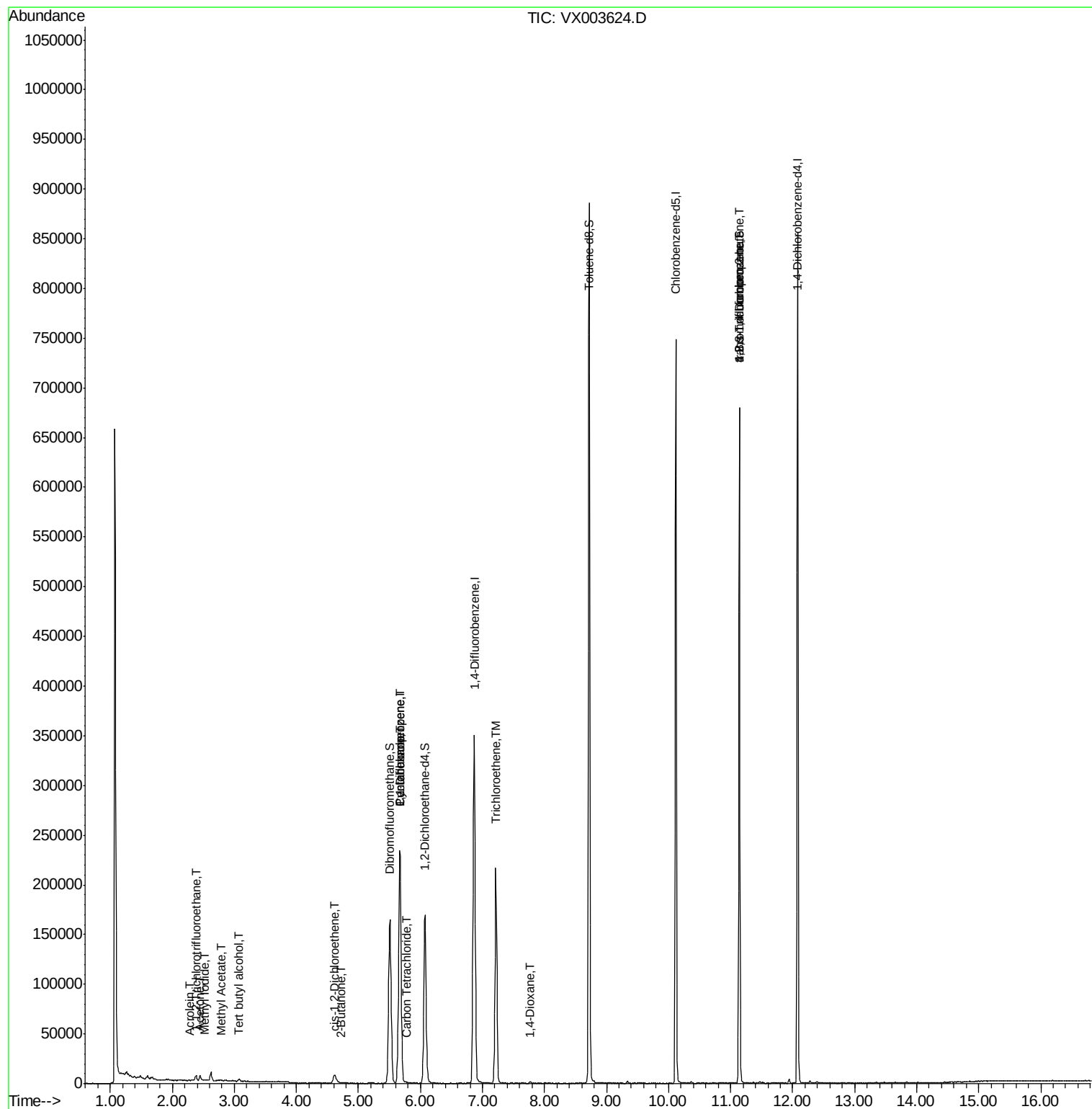
						Qvalue
2) Dichlorodifluoromethane	1.20	85	296	Below Cal		93
3) Chloromethane	1.32	50	992	Below Cal	#	88
5) Bromomethane	1.65	94	1417	Below Cal	#	71
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1541	0.57	ug/l	98
10) Methyl Iodide	2.53	142	1019	0.31	ug/l #	91
11) Tert butyl alcohol	3.07	59	3014	5.24	ug/l	96
13) Acrolein	2.28	56	62	0.24	ug/l #	1
16) Acetone	2.45	43	5297	4.82	ug/l	91
18) Methyl Acetate	2.78	43	867	0.25	ug/l #	61
20) Methylene Chloride	2.86	84	318	Below Cal	#	65
25) 2-Butanone	4.71	43	395	0.21	ug/l #	52
27) cis-1,2-Dichloroethene	4.60	96	1173	0.38	ug/l #	1
31) Cyclohexane	5.66	56	4042	0.92	ug/l #	4
36) 1,1-Dichloropropene	5.67	75	15880	4.01	ug/l #	50
38) Carbon Tetrachloride	5.77	117	860	0.22	ug/l #	63
44) Trichloroethene	7.21	130	90193	25.27	ug/l	99
49) 1,4-Dioxane	7.77	88	884	12.96	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	77945	23.04	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	77945	64.70	ug/l #	7

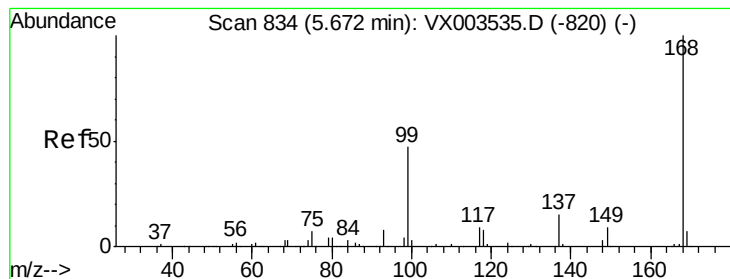
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 19 17:09:44 2018
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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: VX003624.D

Acq: 24 Jul 2018 01:23

Instrument :

MSVOA_X

ClientSampleId :

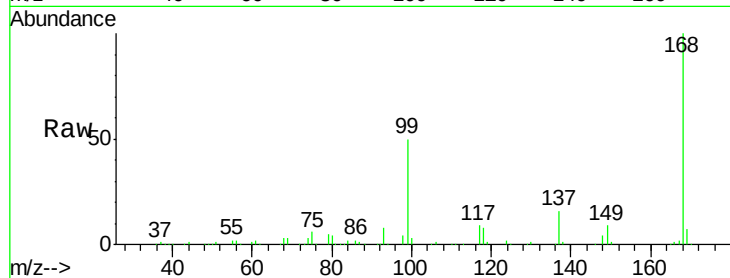
RE109D2-071618

Tot Ion:168 Resp: 245679

Ion Ratio Lower Upper

168 100

99 50.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

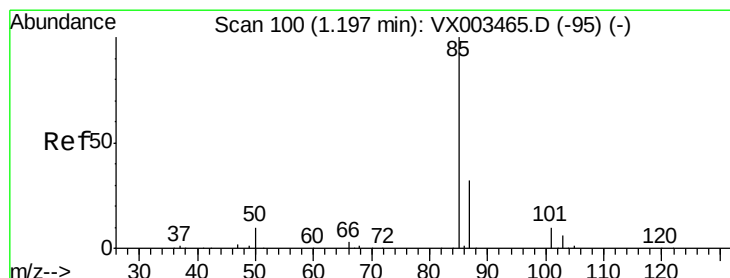
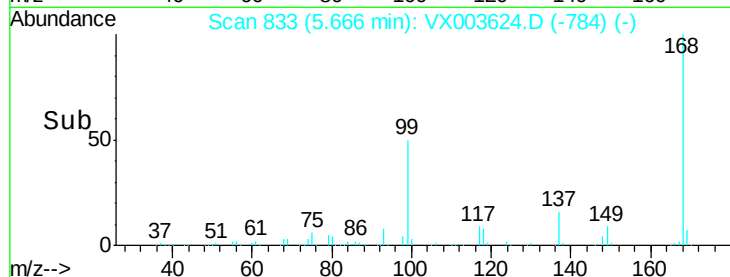
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003624.D

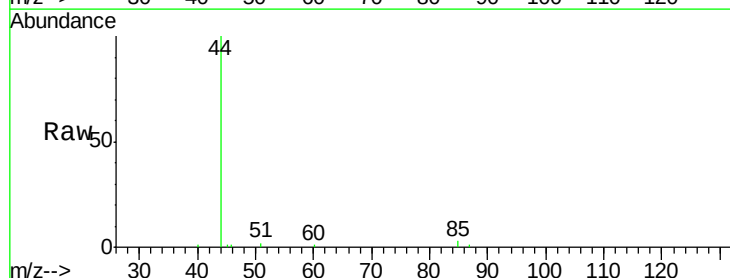
Acq: 24 Jul 2018 01:23

Tgt Ion: 85 Resp: 296

Ion Ratio Lower Upper

85 100

87 36.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

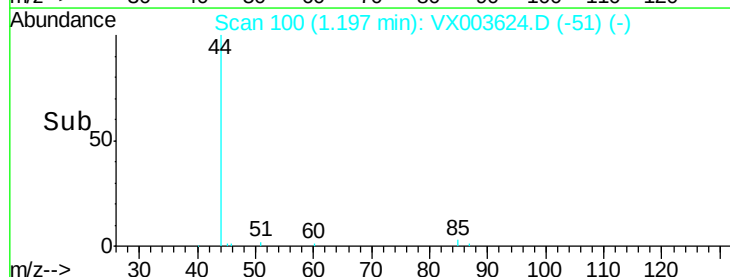
300

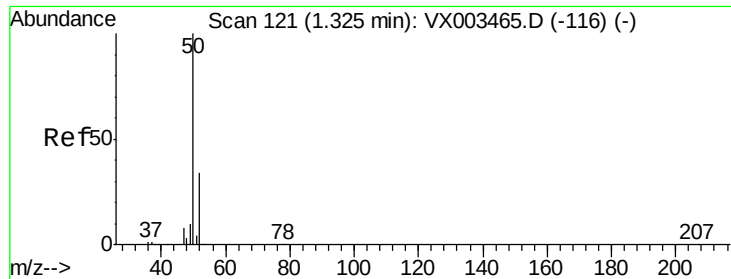
200

100

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003624.D

Acq: 24 Jul 2018 01:23

Instrument :

MSVOA_X

ClientSampleId :

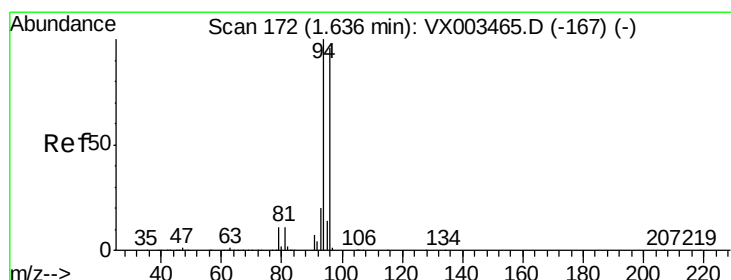
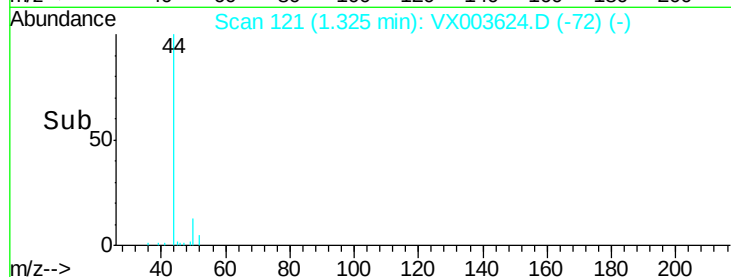
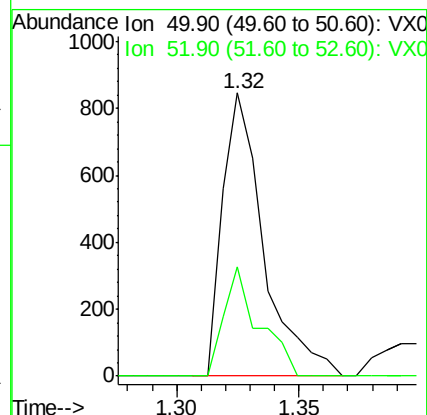
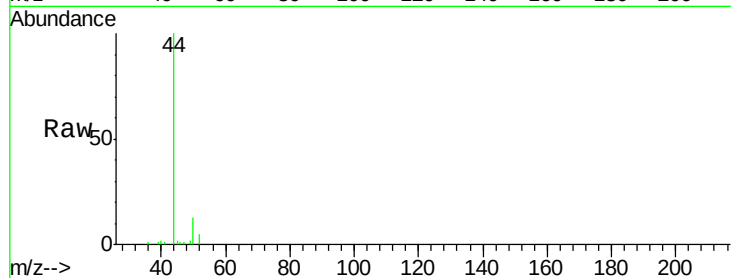
RE109D2-071618

Tot Ion: 50 Resp: 992

Ion Ratio Lower Upper

50 100

52 38.5 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003624.D

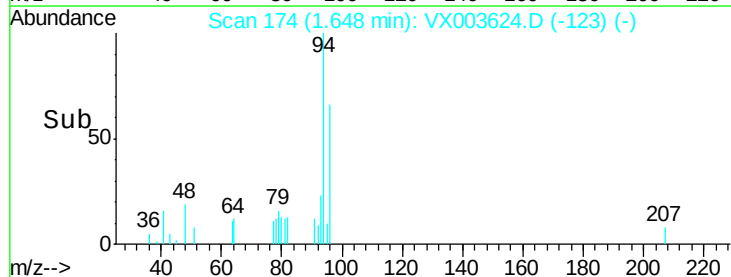
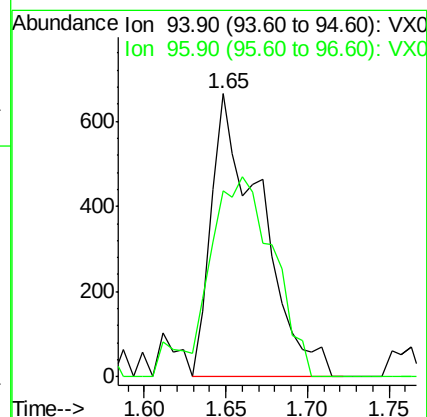
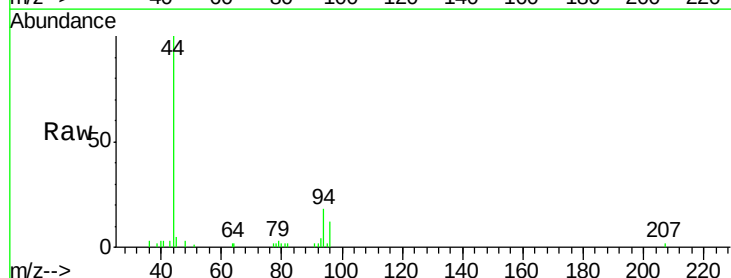
Acq: 24 Jul 2018 01:23

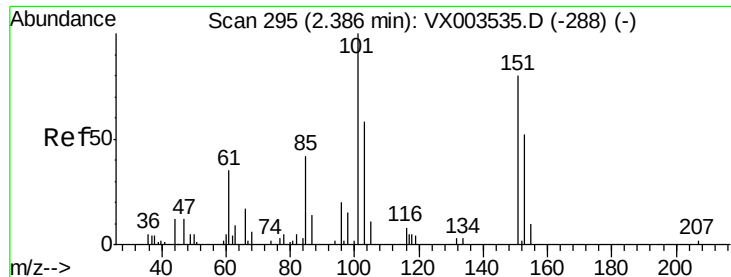
Tgt Ion: 94 Resp: 1417

Ion Ratio Lower Upper

94 100

96 65.8 74.9 112.3#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.57 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003624.D

Acq: 24 Jul 2018 01:23

Instrument :

MSVOA_X

ClientSampleId :

RE109D2-071618

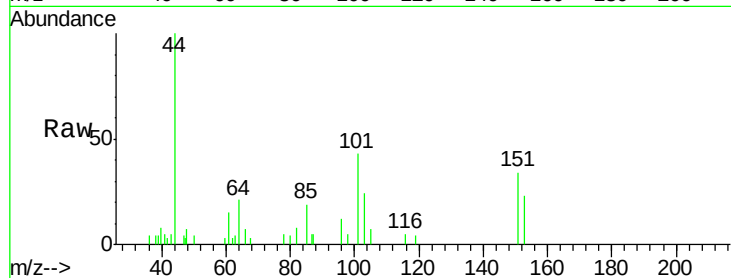
Tot Ion:101 Resp: 1541

Ion Ratio Lower Upper

101 100

85 42.2 36.0 54.0

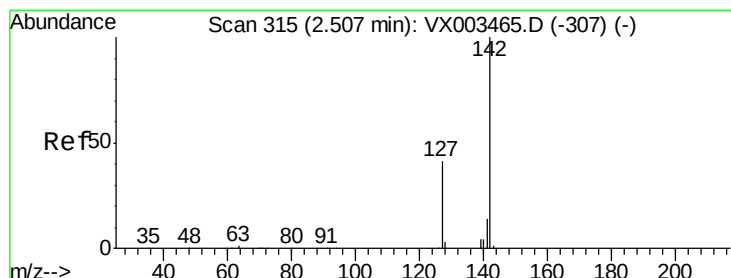
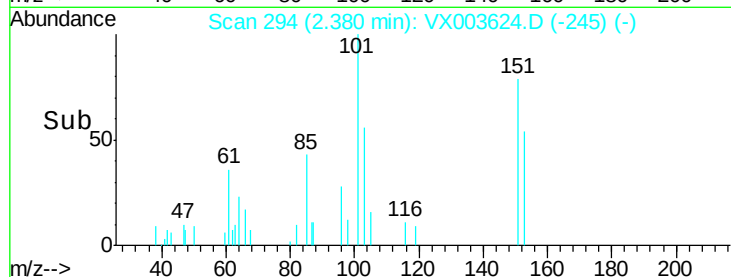
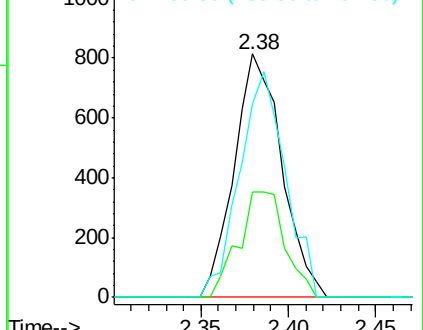
151 89.6 70.9 106.3



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: 0.31 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.02 min

Lab File: VX003624.D

Acq: 24 Jul 2018 01:23

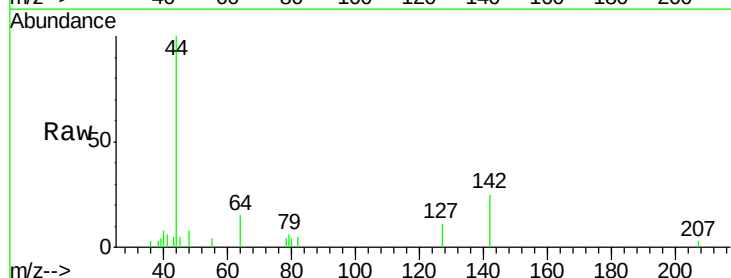
Tgt Ion:142 Resp: 1019

Ion Ratio Lower Upper

142 100

127 41.9 36.6 55.0

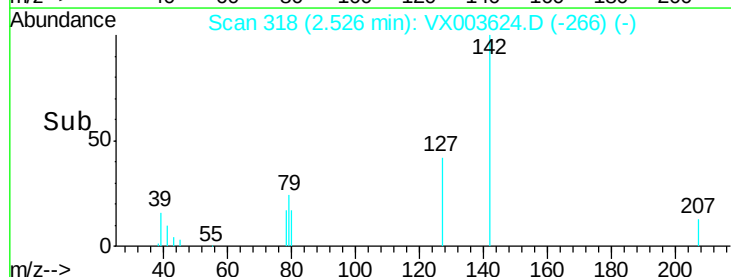
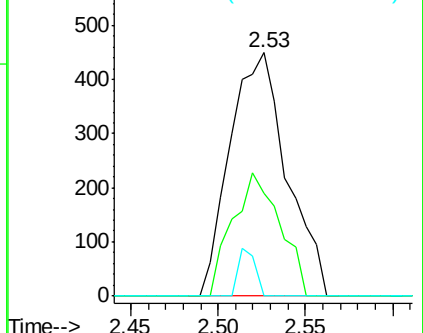
141 5.8 11.3 16.9#

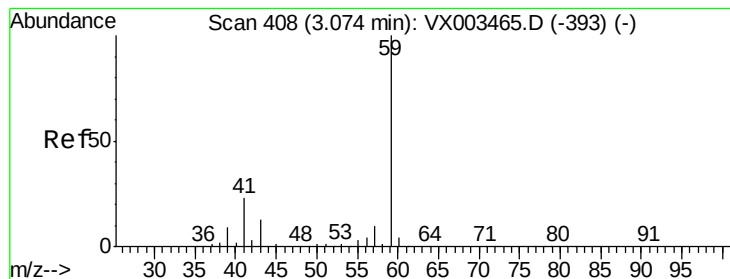


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



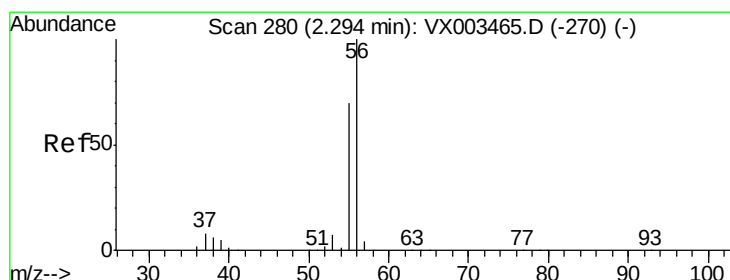
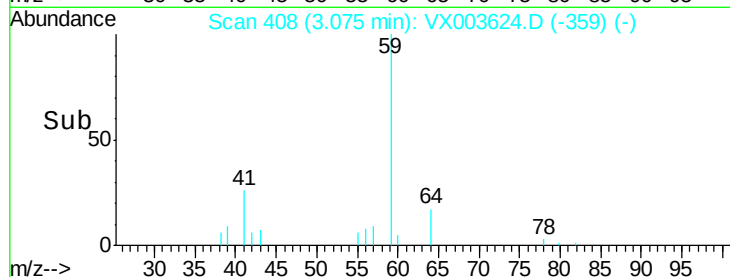
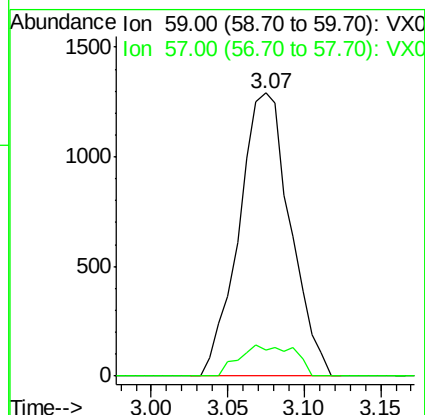
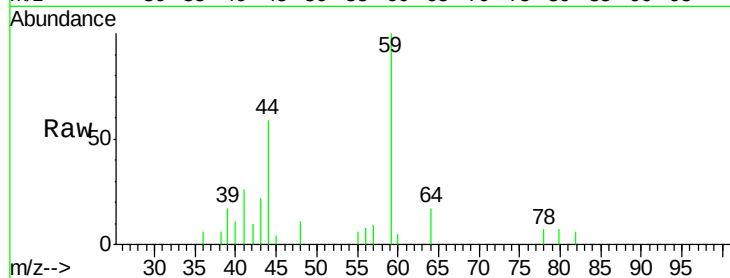


#11

Tert butyl alcohol
 Concen: 5.24 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: VX003624.D
 Acq: 24 Jul 2018 01:23

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D2-071618

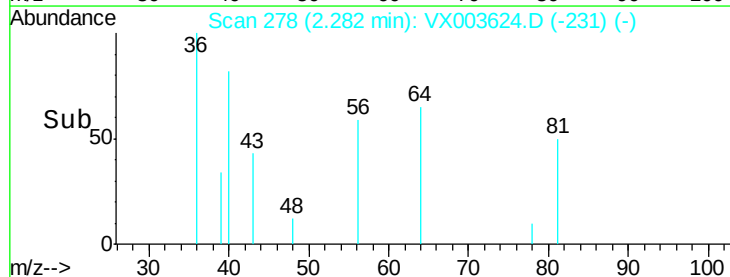
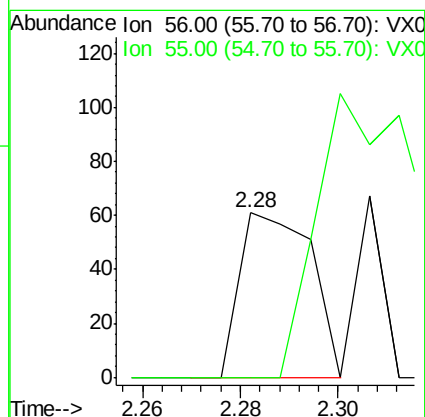
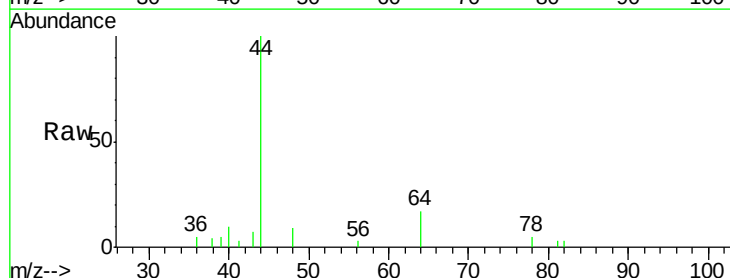
Tot Ion: 59 Resp: 3014
 Ion Ratio Lower Upper
 59 100
 57 11.6 8.2 12.2

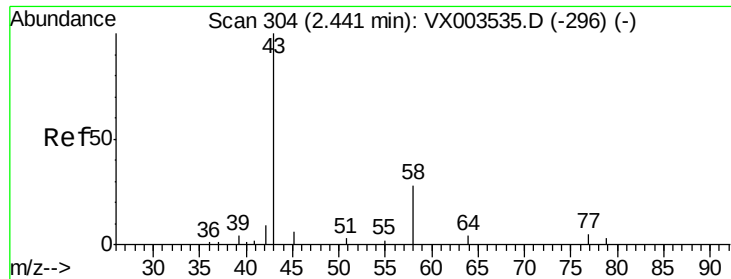


#13

Acrolein
 Concen: 0.24 ug/l
 RT: 2.28 min Scan# 278
 Delta R.T. -0.01 min
 Lab File: VX003624.D
 Acq: 24 Jul 2018 01:23

Tgt Ion: 56 Resp: 62
 Ion Ratio Lower Upper
 56 100
 55 271.0 57.0 85.4#





#16

Acetone

Concen: 4.82 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003624.D

Acq: 24 Jul 2018 01:23

Instrument :

MSVOA_X

ClientSampleId :

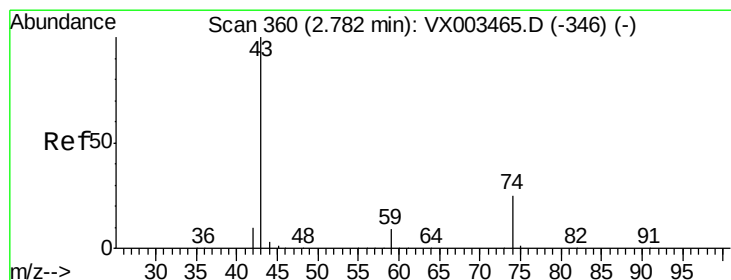
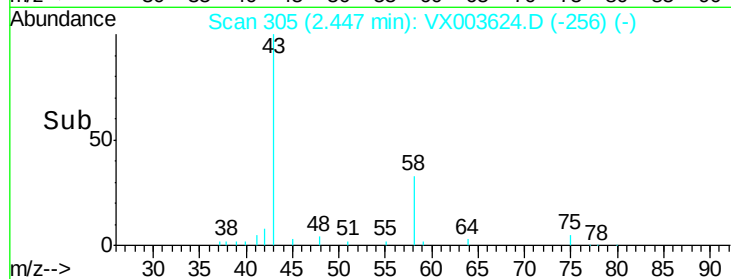
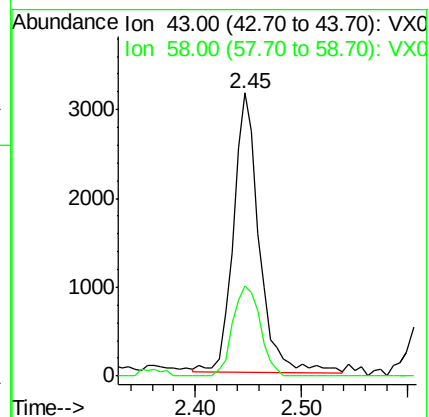
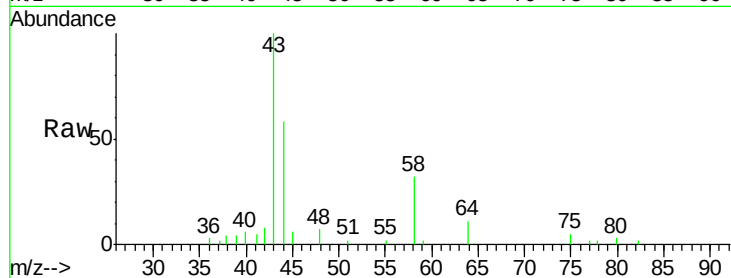
RE109D2-071618

Tot Ion: 43 Resp: 5297

Ion Ratio Lower Upper

43 100

58 32.5 22.1 33.1



#18

Methyl Acetate

Concen: 0.25 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003624.D

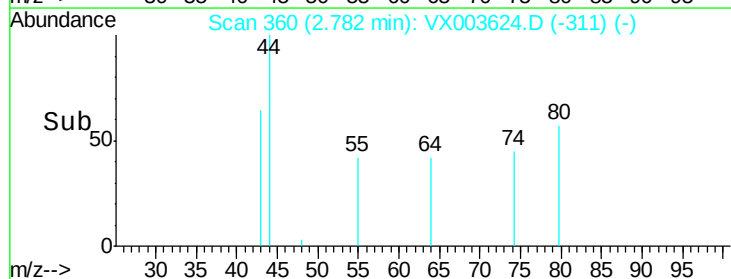
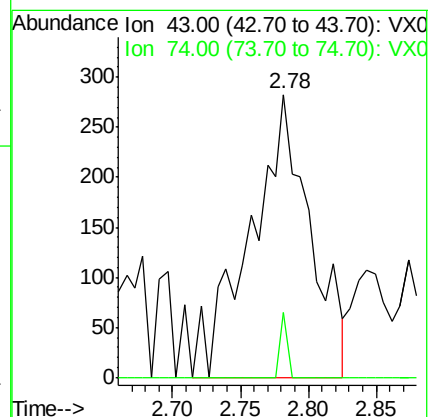
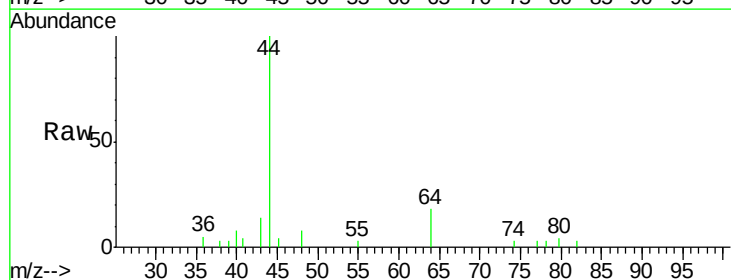
Acq: 24 Jul 2018 01:23

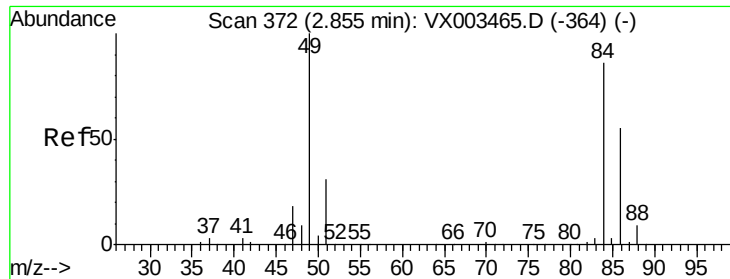
Tgt Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

74 2.8 16.7 25.1#

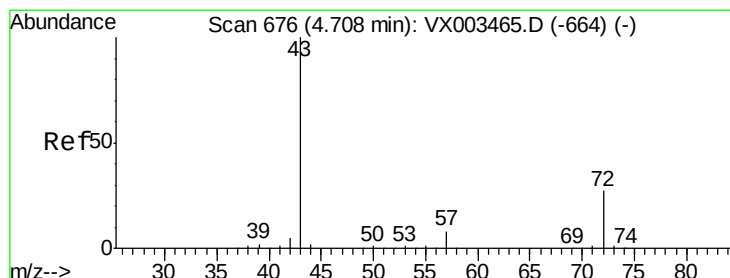
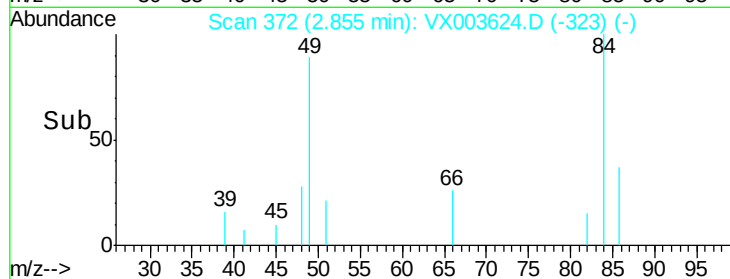
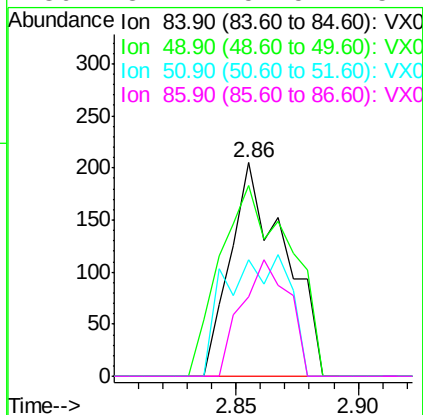
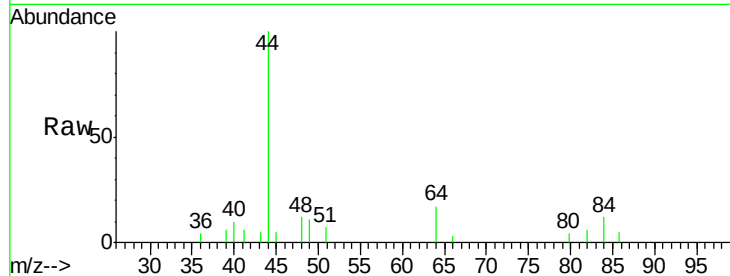




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003624.D
Acq: 24 Jul 2018 01:23

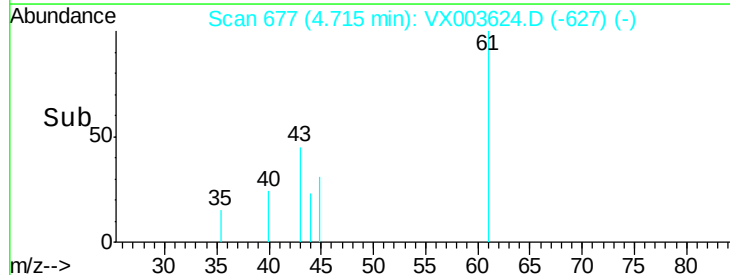
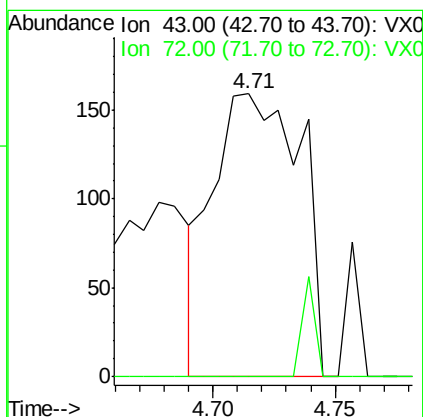
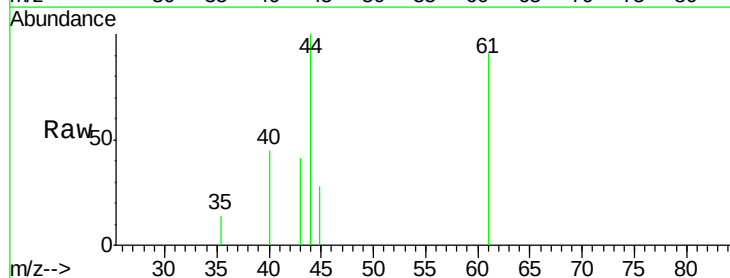
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-071618

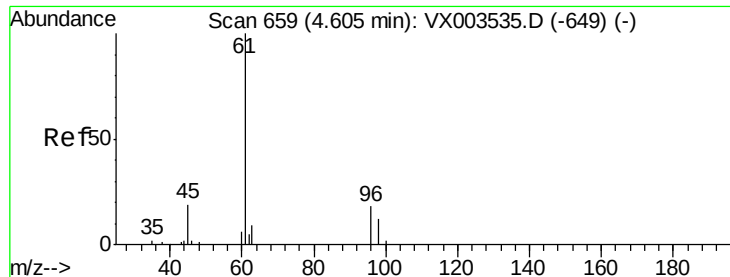
Tot Ion: 84 Resp: 318
Ion Ratio Lower Upper
84 100
49 89.3 107.8 161.6#
51 54.6 32.8 49.2#
86 37.1 52.5 78.7#



#25
2-Butanone
Concen: 0.21 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX003624.D
Acq: 24 Jul 2018 01:23

Tgt Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#





#27

cis-1,2-Dichloroethene

Concen: 0.38 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003624.D

Acq: 24 Jul 2018 01:23

Instrument :

MSVOA_X

ClientSampleId :

RE109D2-071618

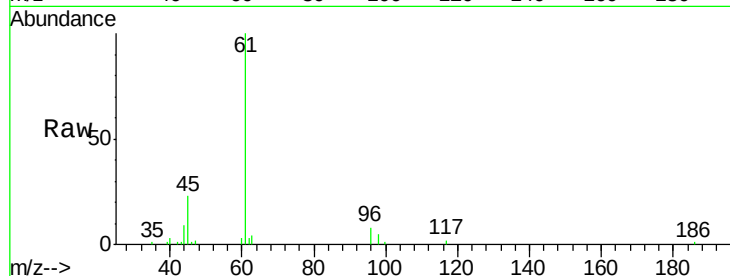
Tot Ion: 96 Resp: 1173

Ion Ratio Lower Upper

96 100

61 1896.1 0.0 330.2#

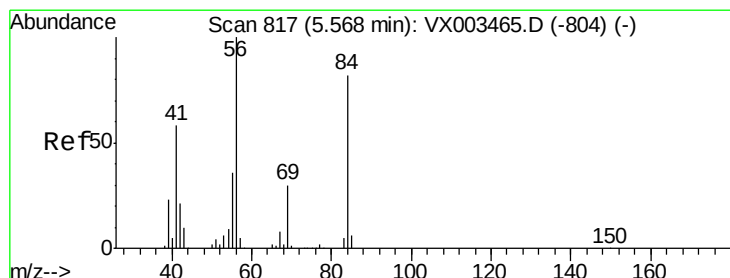
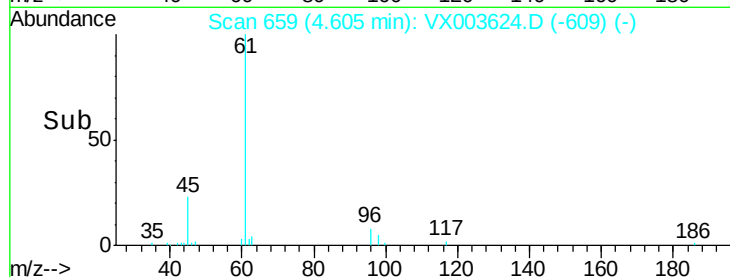
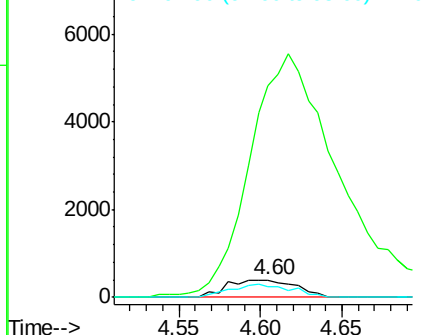
98 67.3 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.09 min

Lab File: VX003624.D

Acq: 24 Jul 2018 01:23

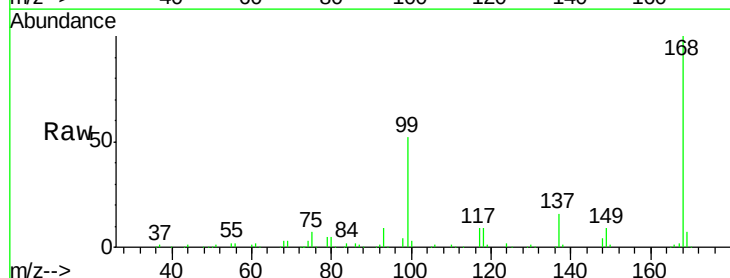
Tgt Ion: 56 Resp: 4042

Ion Ratio Lower Upper

56 100

69 152.9 23.7 35.5#

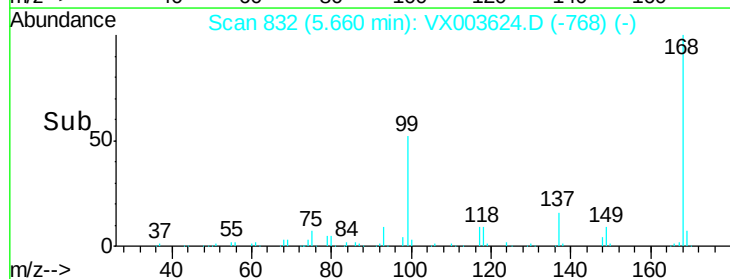
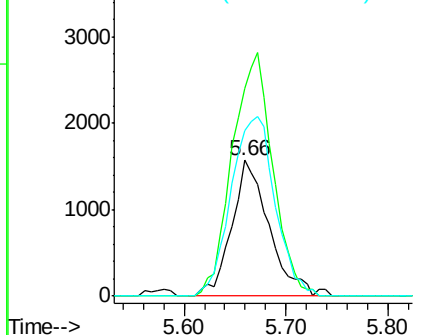
84 121.5 64.1 96.1#

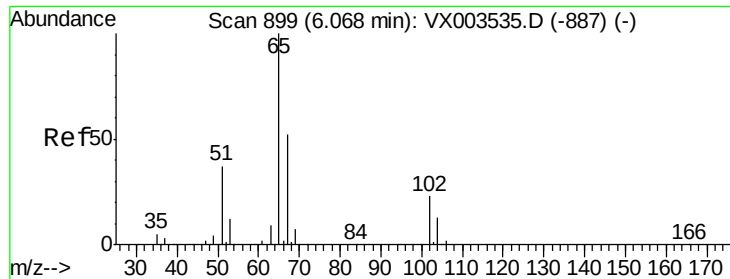


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

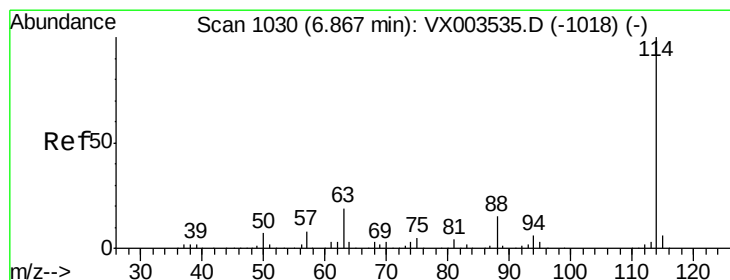
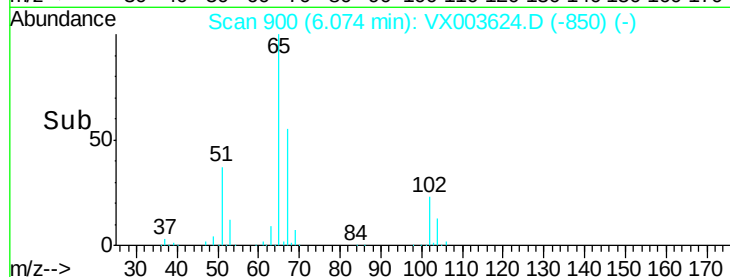
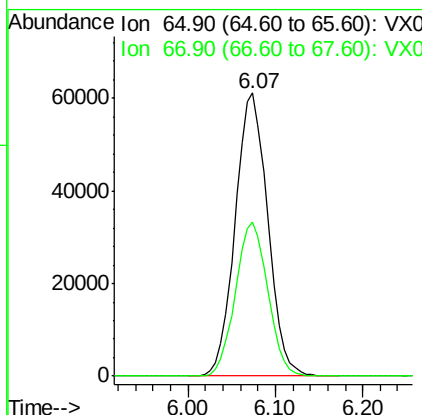
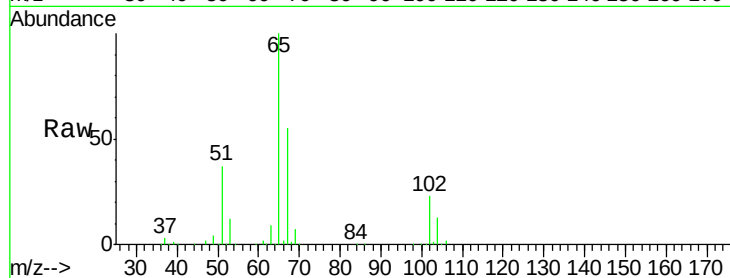




#33
 1,2-Dichloroethane-d4
 Concen: 54.44 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003624.D
 Acq: 24 Jul 2018 01:23

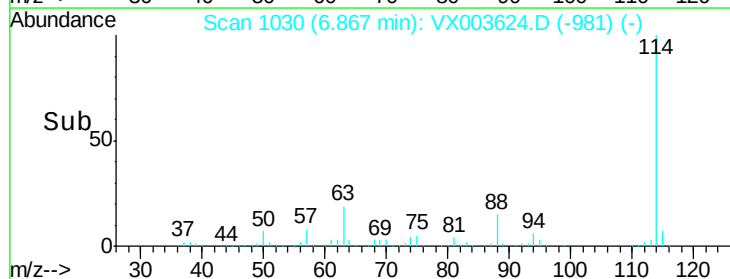
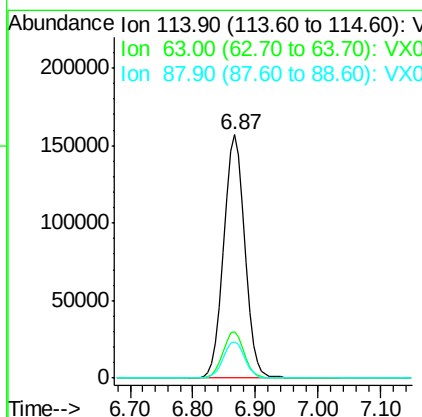
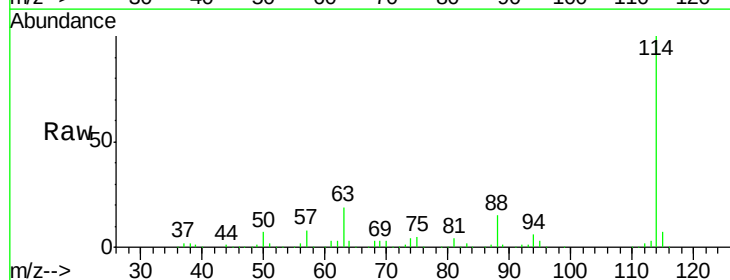
Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D2-071618

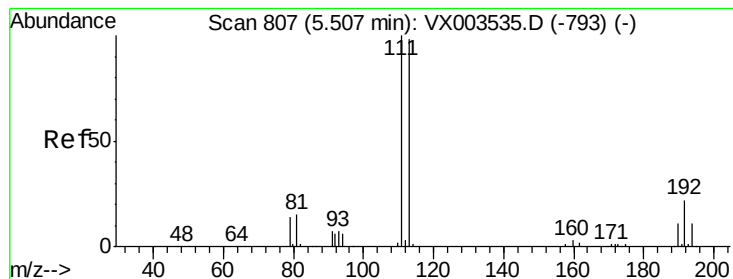
Tot Ion: 65 Resp: 158309
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003624.D
 Acq: 24 Jul 2018 01:23

Tgt Ion: 114 Resp: 367178
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.54 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003624.D

Acq: 24 Jul 2018 01:23

Instrument :

MSVOA_X

ClientSampleId :

RE109D2-071618

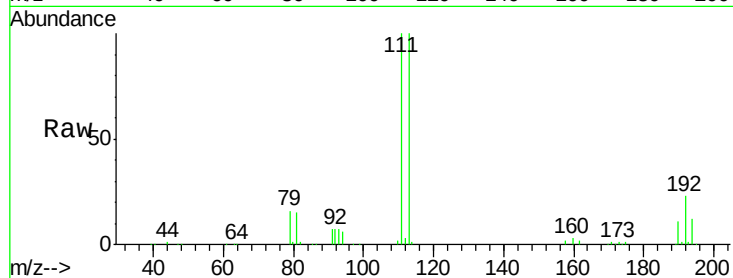
Tot Ion:113 Resp: 141333

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

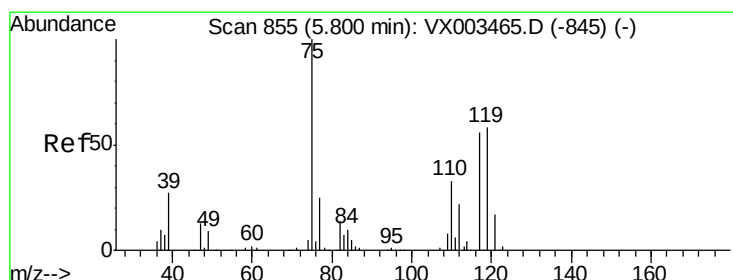
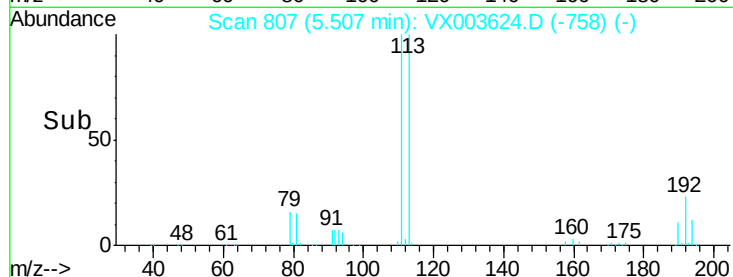
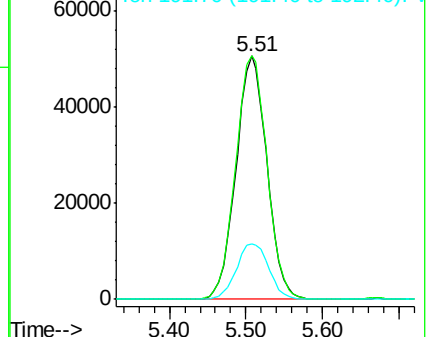
192 24.0 19.1 28.7



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: 4.01 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003624.D

Acq: 24 Jul 2018 01:23

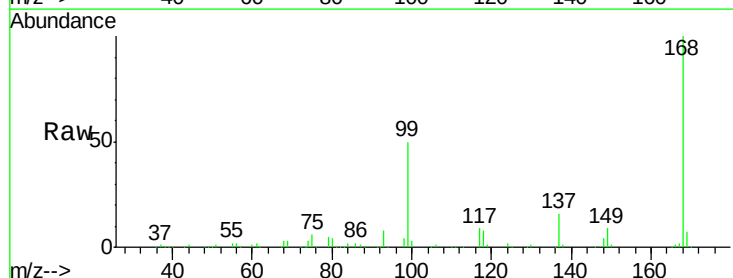
Tgt Ion: 75 Resp: 15880

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

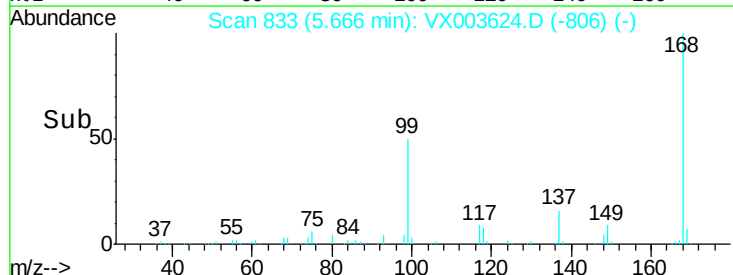
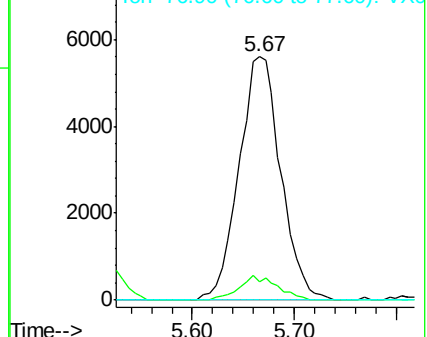
77 0.0 24.3 36.5#

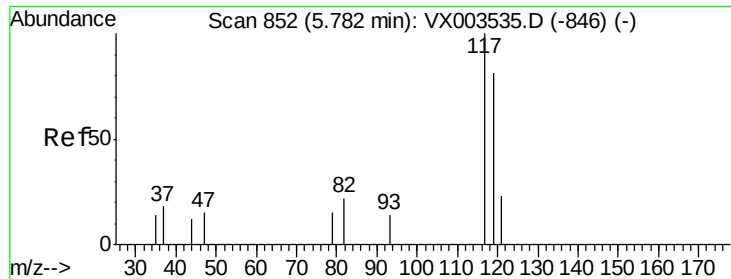


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

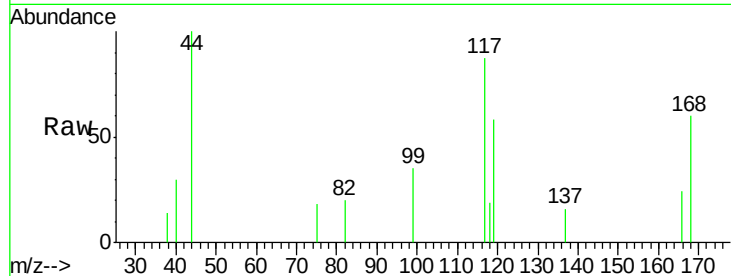




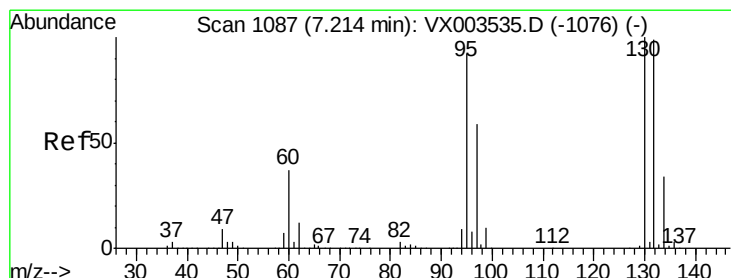
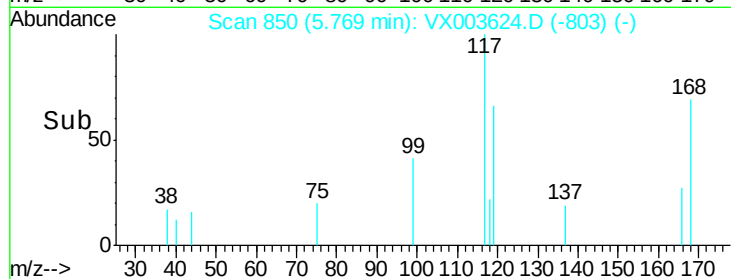
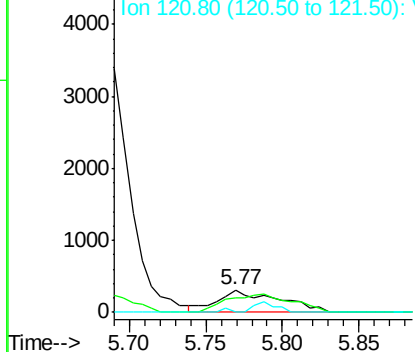
#38
Carbon Tetrachloride
Concen: 0.22 ug/l
RT: 5.77 min Scan# 850
Delta R.T. -0.01 min
Lab File: VX003624.D
Acq: 24 Jul 2018 01:23

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-071618

Tot Ion:117 Resp: 860
Ion Ratio Lower Upper
117 100
119 66.2 77.4 116.0#
121 0.0 24.4 36.6#

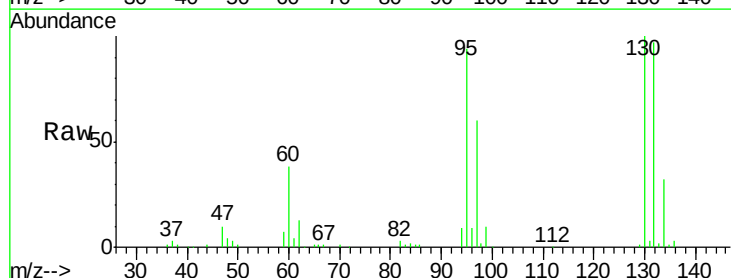


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

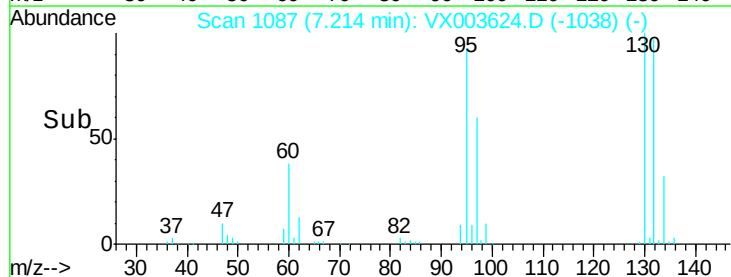
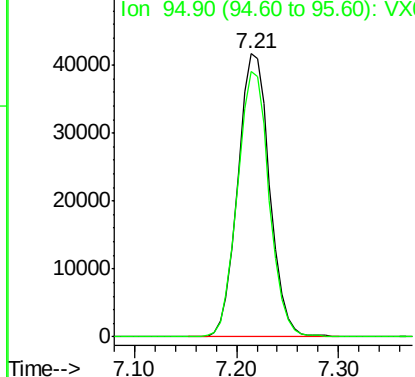


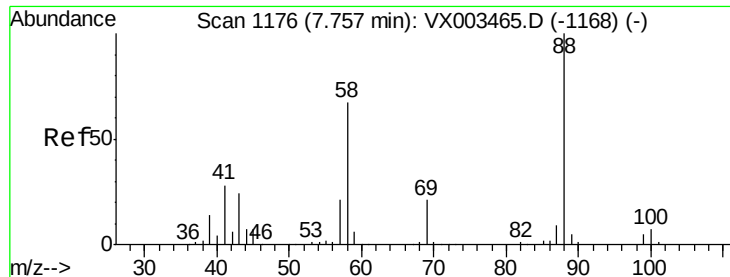
#44
Trichloroethene
Concen: 25.27 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX003624.D
Acq: 24 Jul 2018 01:23

Tgt Ion:130 Resp: 90193
Ion Ratio Lower Upper
130 100
95 93.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

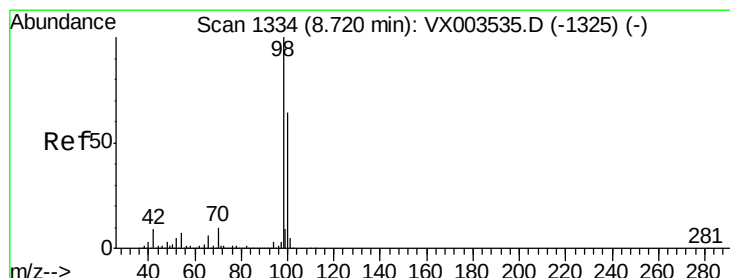
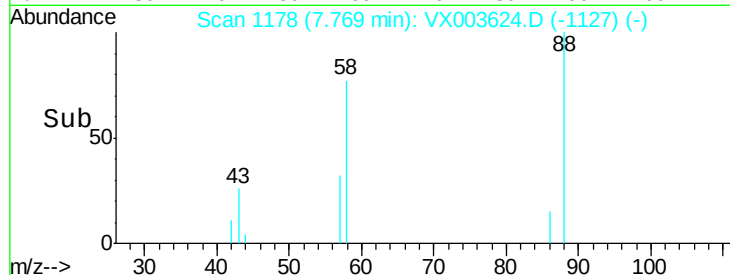
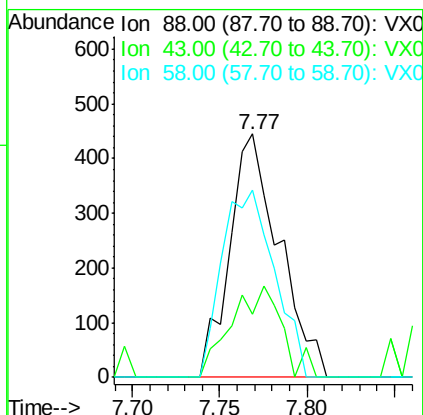
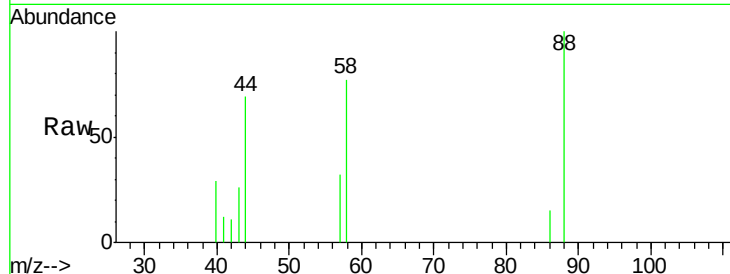




#49
1,4-Dioxane
Concen: 12.96 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX003624.D
Acq: 24 Jul 2018 01:23

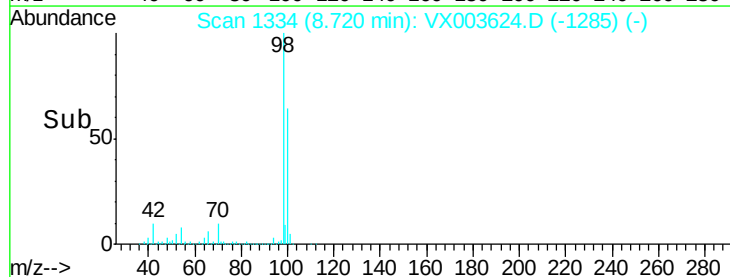
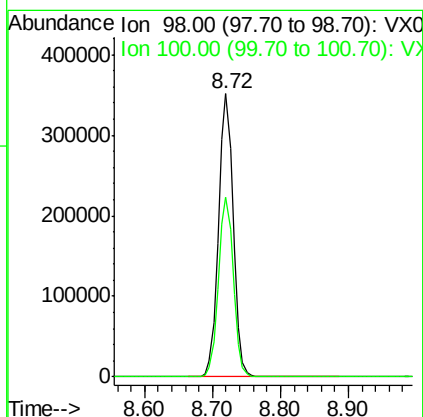
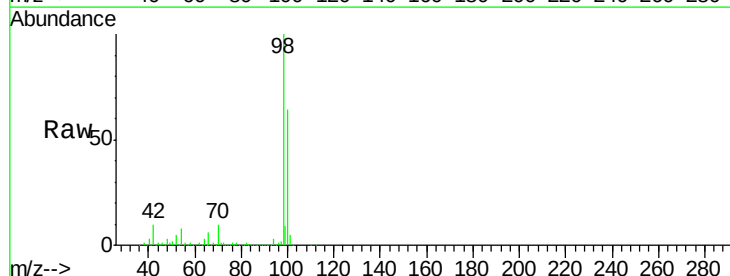
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-071618

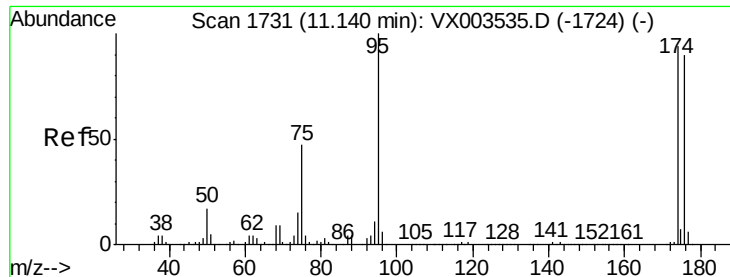
Tot Ion: 88 Resp: 884
Ion Ratio Lower Upper
88 100
43 38.3 29.8 44.6
58 80.9 57.1 85.7



#50
Toluene-d8
Concen: 50.02 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003624.D
Acq: 24 Jul 2018 01:23

Tgt Ion: 98 Resp: 525824
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3

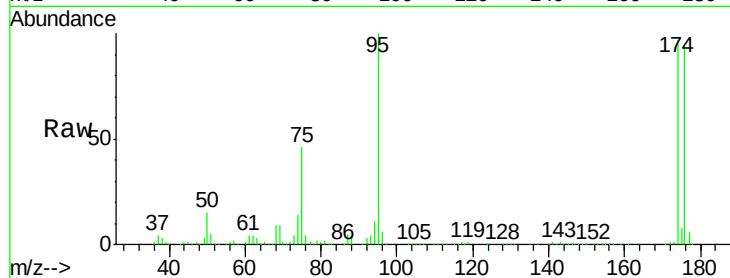




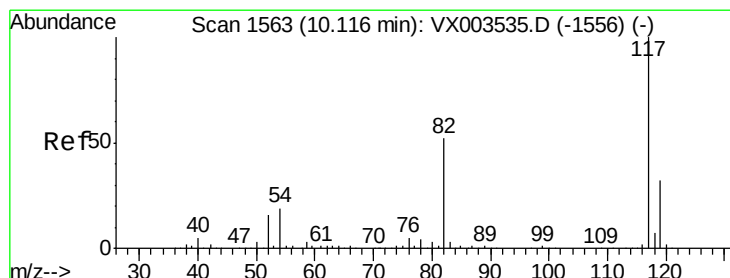
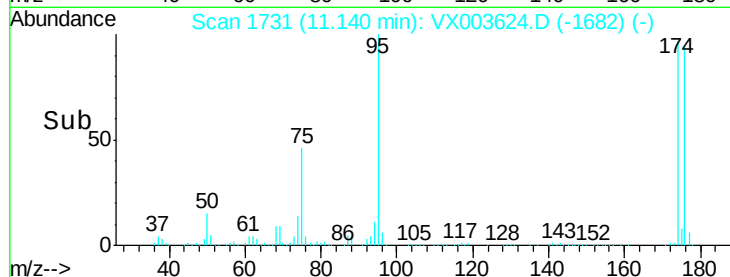
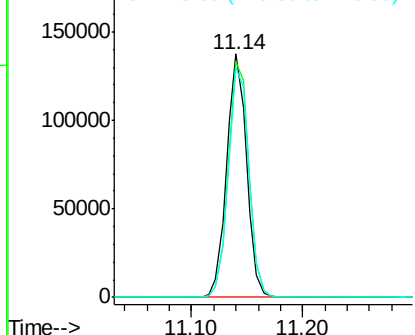
#62
4-Bromofluorobenzene
Concen: 44.22 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003624.D
Acq: 24 Jul 2018 01:23

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-071618

Tot Ion: 95 Resp: 169625
Ion Ratio Lower Upper
95 100
174 100.6 0.0 187.4
176 97.4 0.0 181.0

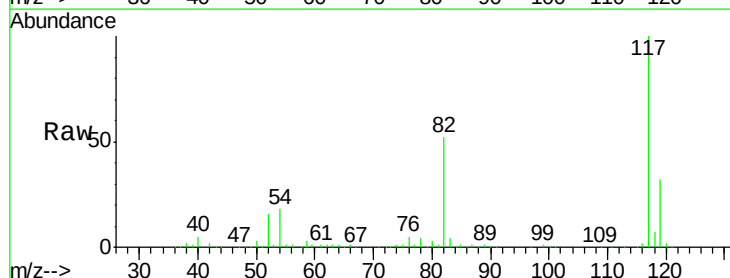


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

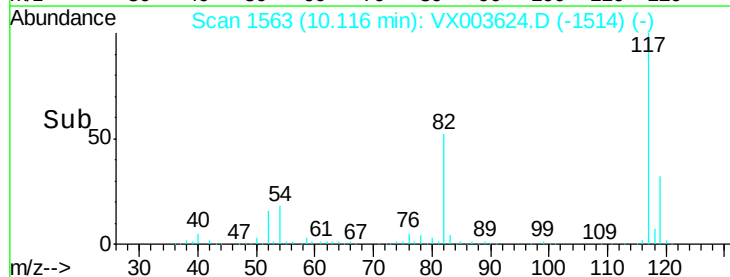
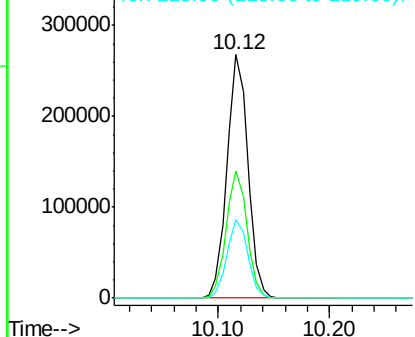


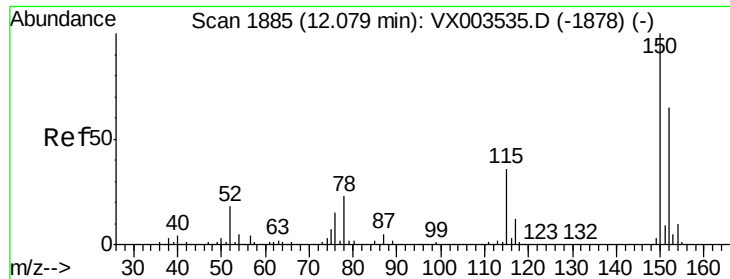
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003624.D
Acq: 24 Jul 2018 01:23

Tgt Ion: 117 Resp: 349776
Ion Ratio Lower Upper
117 100
82 52.4 45.0 67.4
119 32.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003624.D

Acq: 24 Jul 2018 01:23

Instrument :

MSVOA_X

ClientSampleId :

RE109D2-071618

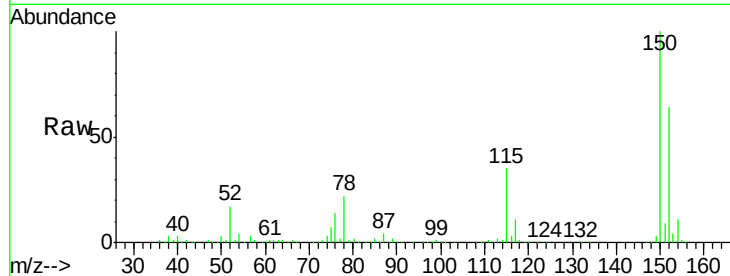
Tot Ion:152 Resp: 188325

Ion Ratio Lower Upper

152 100

115 53.4 40.1 120.2

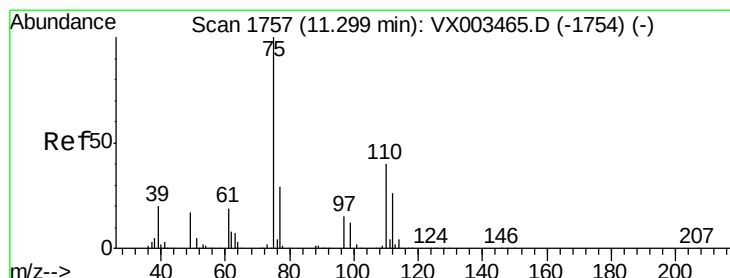
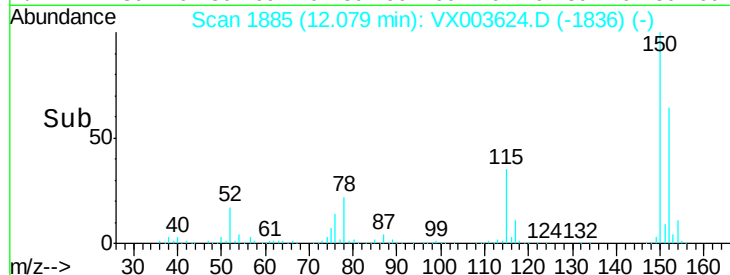
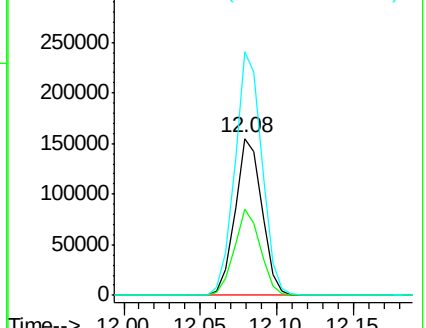
150 155.9 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.04 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003624.D

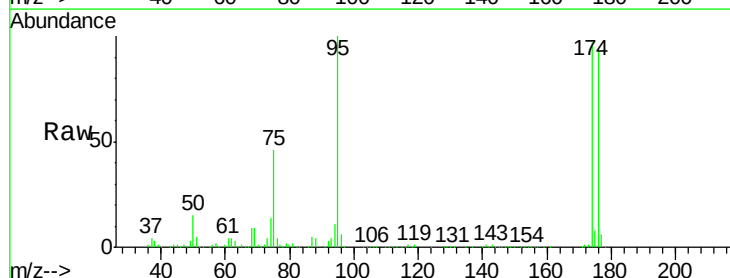
Acq: 24 Jul 2018 01:23

Tgt Ion: 75 Resp: 77945

Ion Ratio Lower Upper

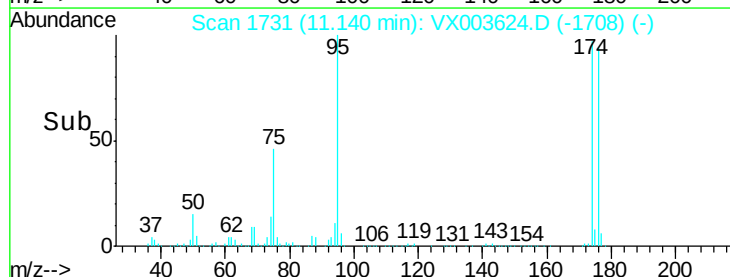
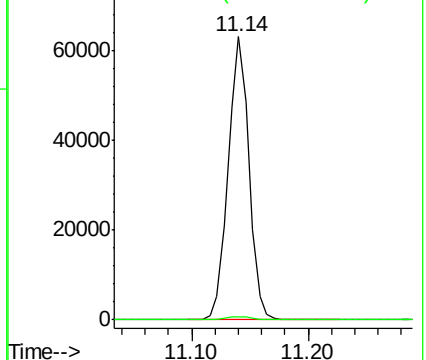
75 100

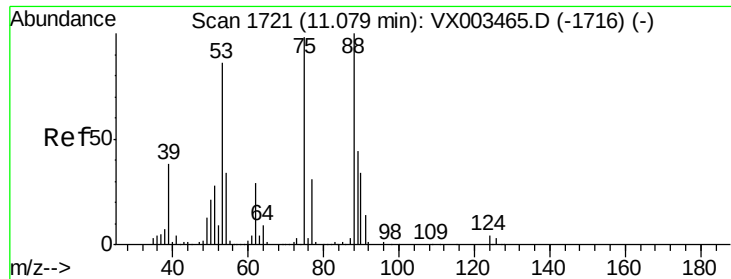
77 1.4 22.8 68.3#



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: 64.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003624.D

Acq: 24 Jul 2018 01:23

Instrument :

MSVOA_X

ClientSampleId :

RE109D2-071618

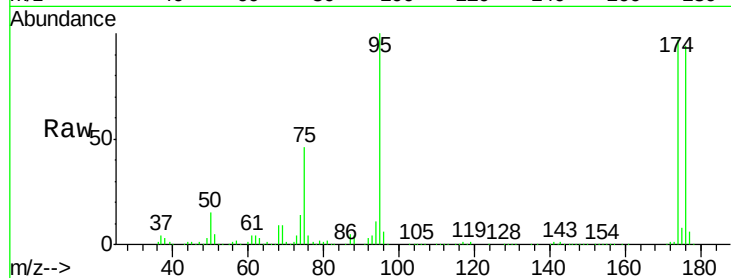
Tot Ion: 75 Resp: 77945

Ion Ratio Lower Upper

75 100

53 0.1 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

