

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005320.D
 Acq On : 13 Oct 2018 04:04
 Operator : JC/MD
 Sample : J5429-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414

Quant Time: Oct 13 05:29:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	376156	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167476	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	159749	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
35) Dibromofluoromethane	5.50	113	125267	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	8.71	98	456421	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	
62) 4-Bromofluorobenzene	11.14	95	147500	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	

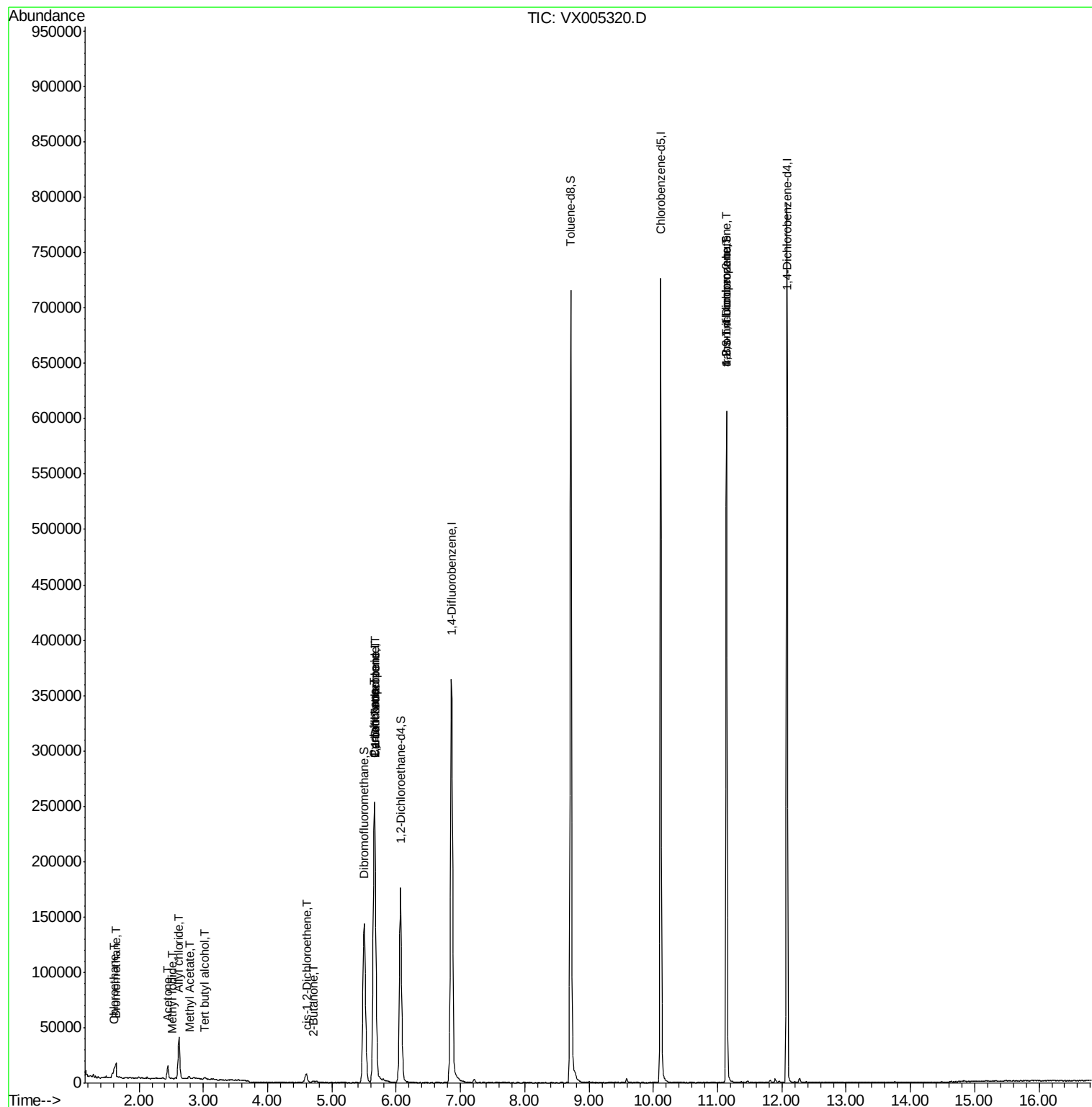
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	732	0.997	ug/l	93
6) Chloroethane	1.60	64	177	0.422	ug/l #	69
10) Methyl Iodide	2.52	142	265	2.585	ug/l #	71
11) Tert butyl alcohol	3.01	59	1173	1.385	ug/l	96
13) Acrolein	2.30	56	209	Below Cal		92
14) Allyl chloride	2.62	41	4069	0.782	ug/l #	63
16) Acetone	2.45	43	11669	6.724	ug/l #	81
18) Methyl Acetate	2.78	43	2910	0.589	ug/l	95
20) Methylene Chloride	2.86	84	571	Below Cal		94
25) 2-Butanone	4.70	43	2239	0.882	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	4789	1.679	ug/l	87
31) Cyclohexane	5.65	56	4732	1.147	ug/l #	7
36) 1,1-Dichloropropene	5.66	75	17606	4.833	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24241	6.622	ug/l #	17
44) Trichloroethene	7.22	130	1262	Below Cal		85
76) 1,2,3-Trichloropropane	11.14	75	73398	22.594	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	73398	68.651	ug/l #	10

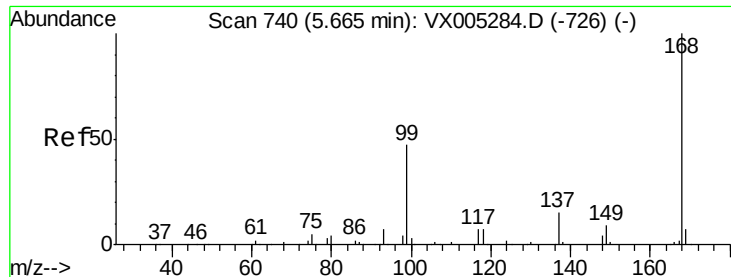
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 12 11:28:43 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005320.D

Acq: 13 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

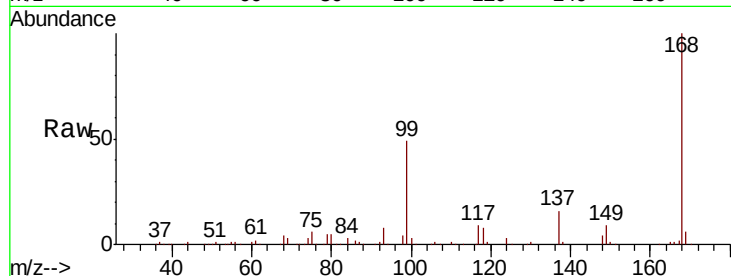
FA18-MMW3414

Tot Ion:168 Resp: 270456

Ion Ratio Lower Upper

168 100

99 48.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

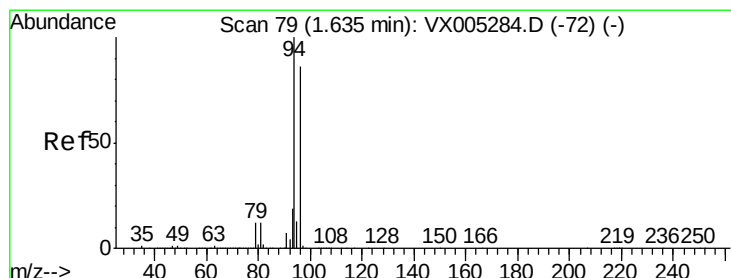
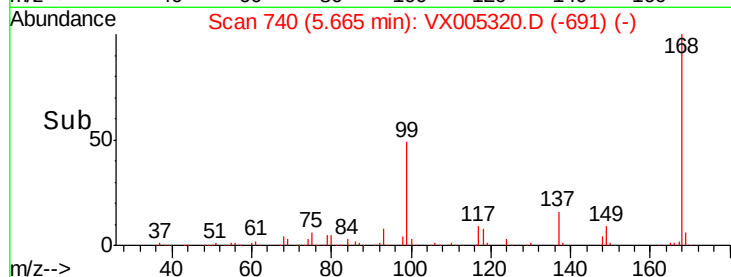
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.997 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005320.D

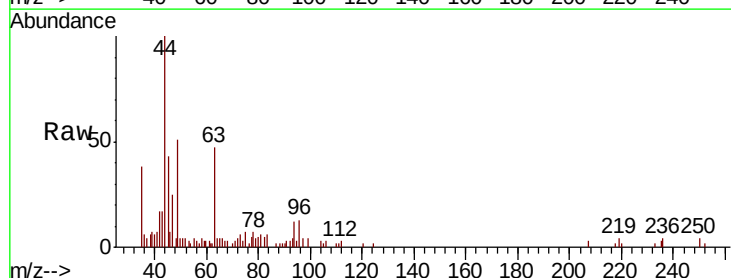
Acq: 13 Oct 2018 04:04

Tgt Ion: 94 Resp: 732

Ion Ratio Lower Upper

94 100

96 86.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

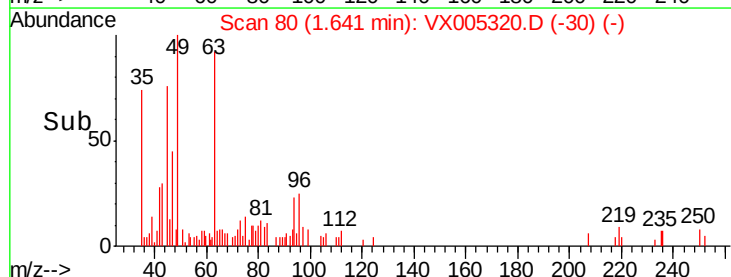
300

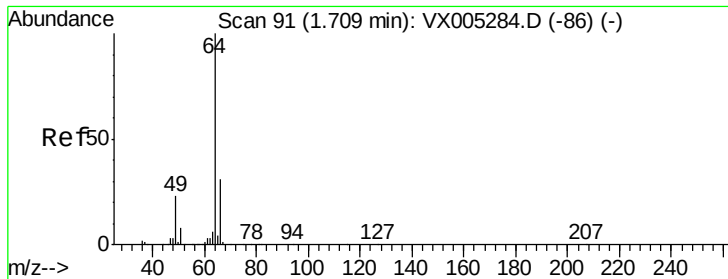
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.422 ug/l

RT: 1.60 min Scan# 74

Delta R.T. -0.10 min

Lab File: VX005320.D

Acq: 13 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

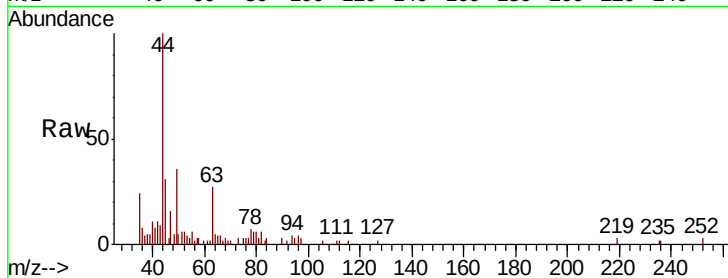
FA18-MMW3414

Tot Ion: 64 Resp: 177

Ion Ratio Lower Upper

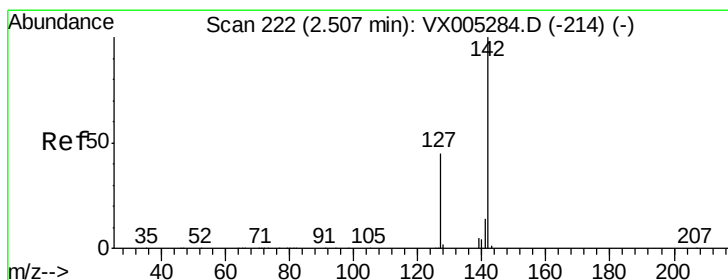
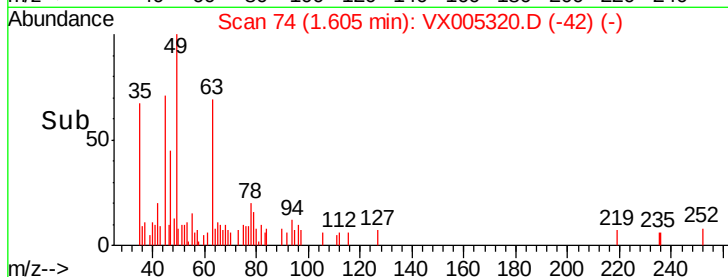
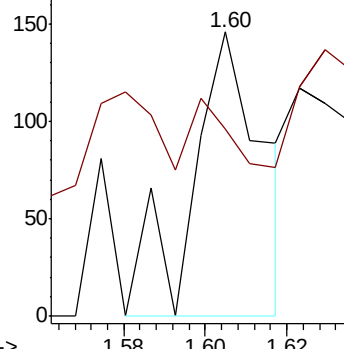
64 100

66 13.7 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.585 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005320.D

Acq: 13 Oct 2018 04:04

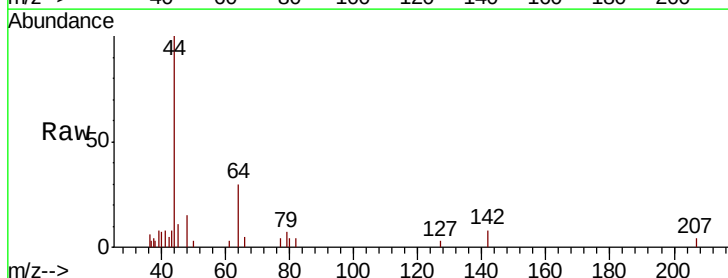
Tgt Ion:142 Resp: 265

Ion Ratio Lower Upper

142 100

127 24.9 33.8 50.6#

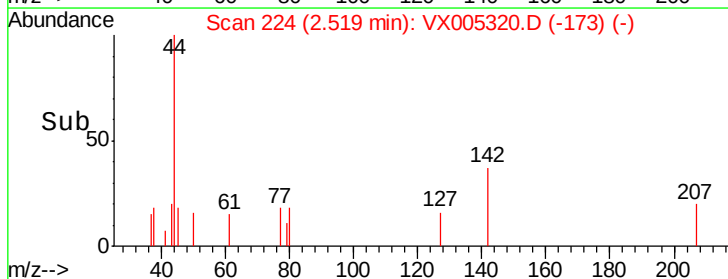
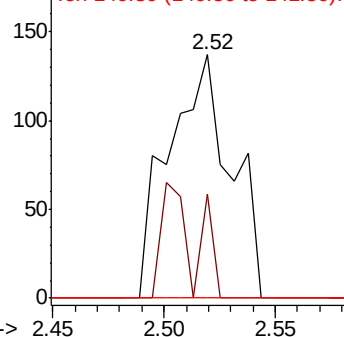
141 0.0 11.4 17.0#

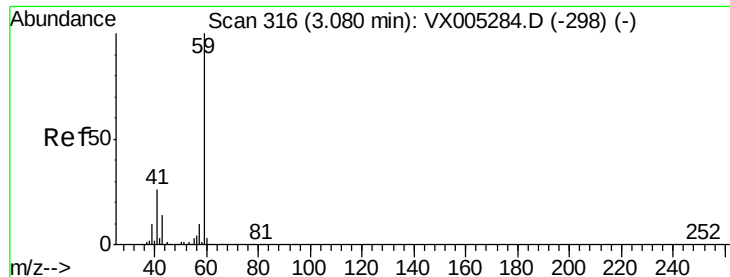


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



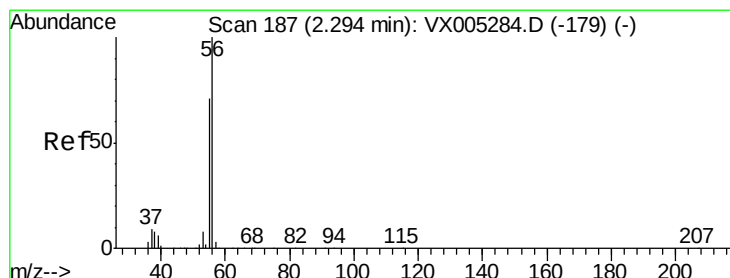
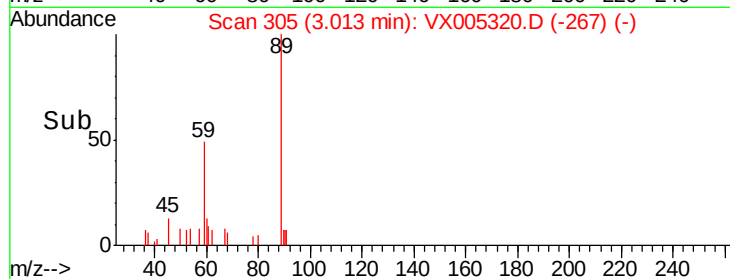
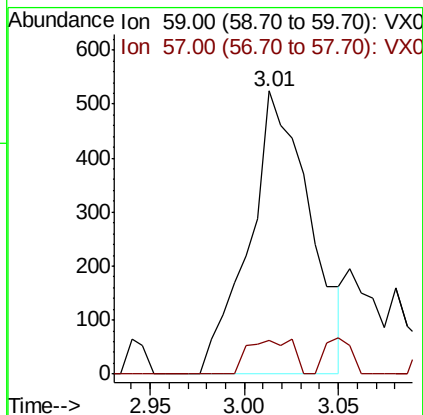
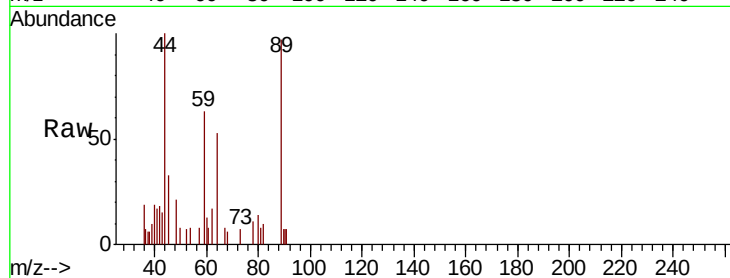


#11

Tert butyl alcohol
 Concen: 1.385 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.07 min
 Lab File: VX005320.D
 Acq: 13 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414

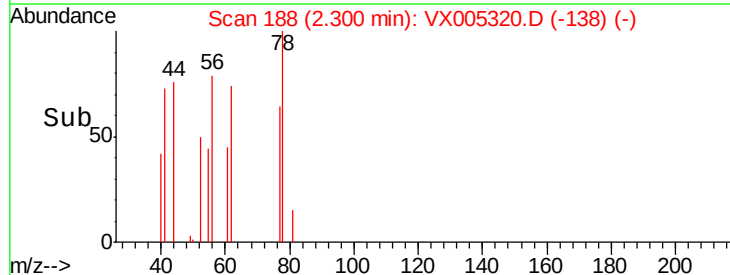
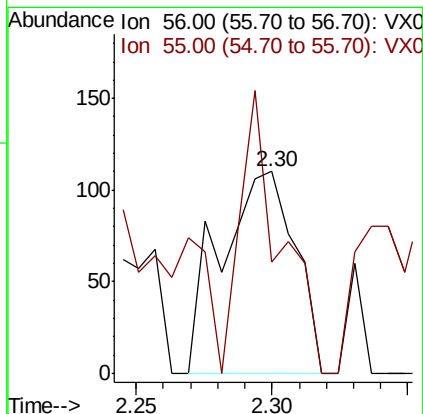
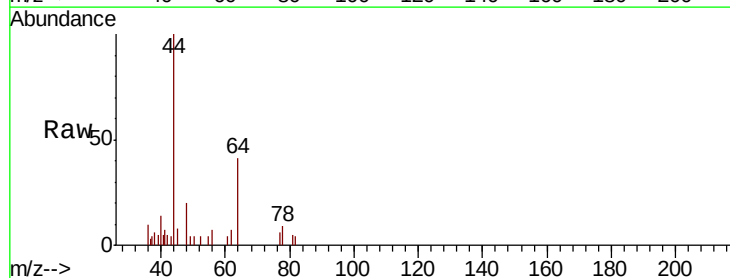
Tot Ion: 59 Resp: 1173
 Ion Ratio Lower Upper
 59 100
 57 9.0 8.2 12.4

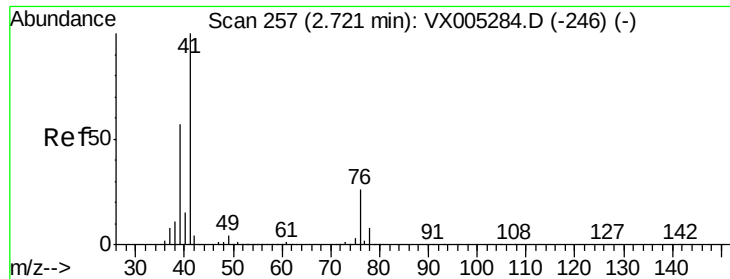


#13

Acrolein
 Concen: Below Cal
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX005320.D
 Acq: 13 Oct 2018 04:04

Tgt Ion: 56 Resp: 209
 Ion Ratio Lower Upper
 56 100
 55 74.6 54.7 82.1





#14

Allvl chloride

Concen: 0.782 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX005320.D

Acq: 13 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

FA18-MMW3414

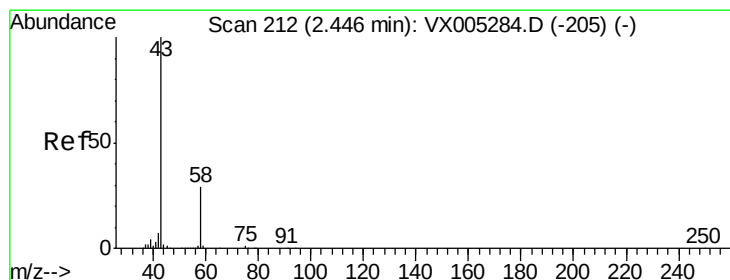
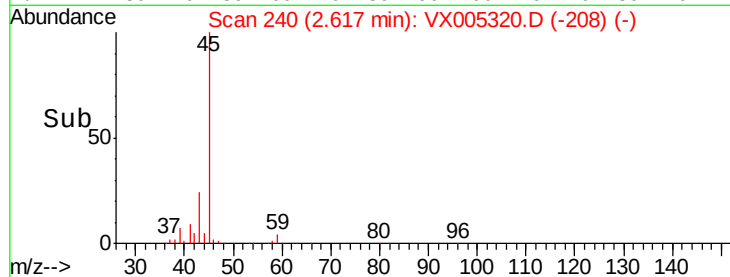
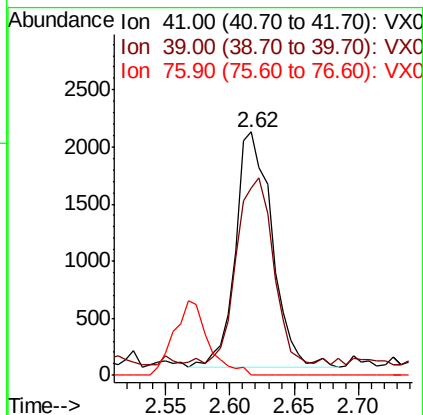
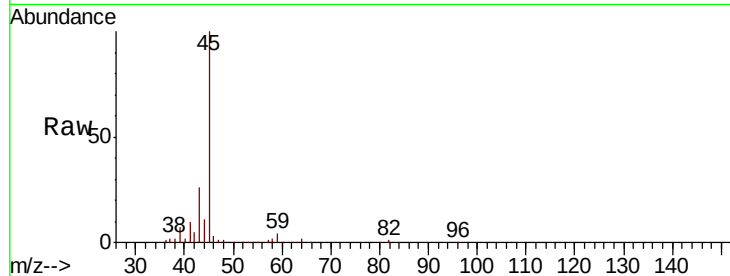
Tot Ion: 41 Resp: 4069

Ion Ratio Lower Upper

41 100

39 80.6 48.9 73.3#

76 0.0 26.7 40.1#



#16

Acetone

Concen: 6.724 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005320.D

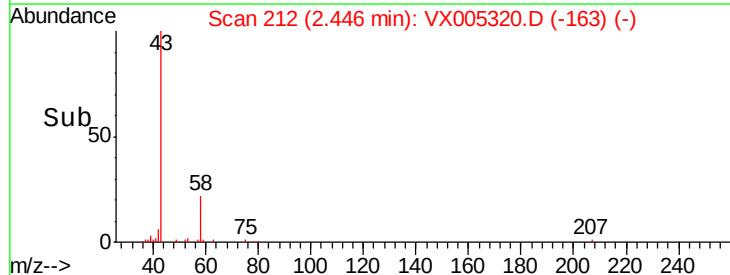
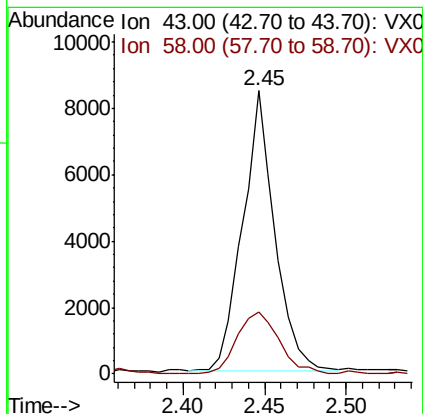
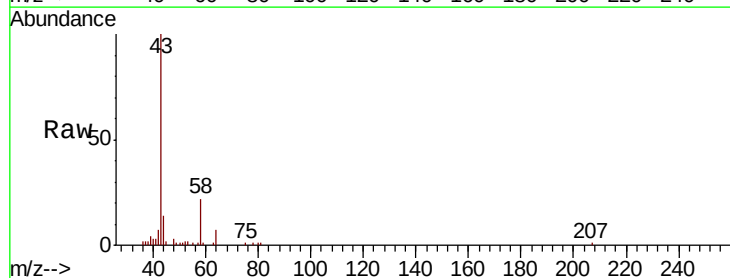
Acq: 13 Oct 2018 04:04

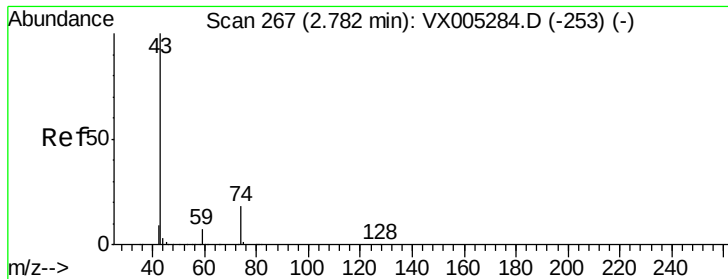
Tgt Ion: 43 Resp: 11669

Ion Ratio Lower Upper

43 100

58 22.1 26.2 39.4#

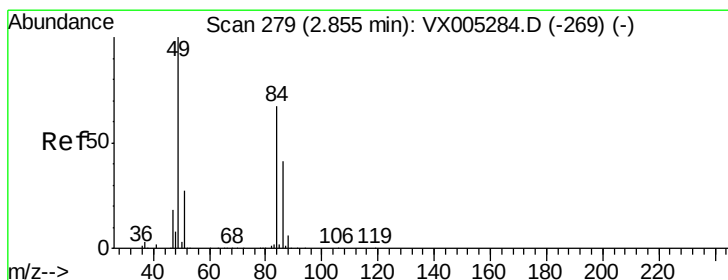
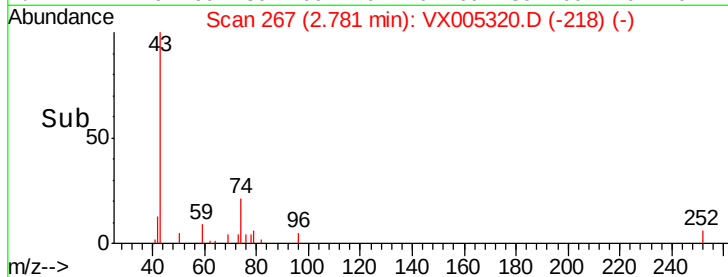
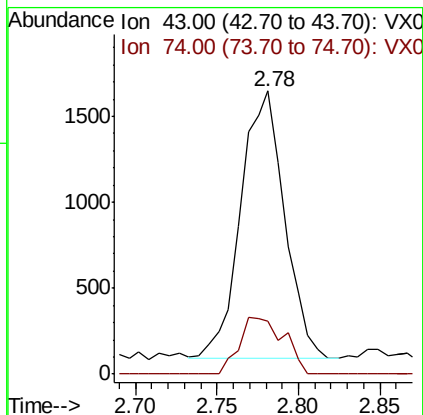
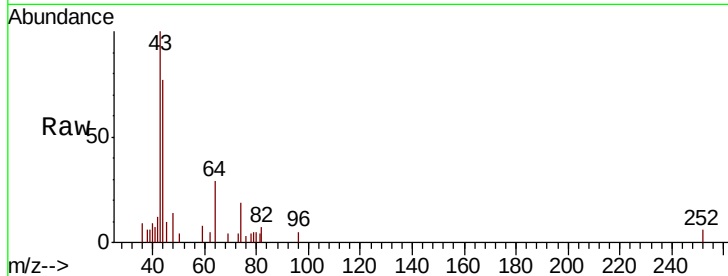




#18
Methyl Acetate
Concen: 0.589 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005320.D
Acq: 13 Oct 2018 04:04

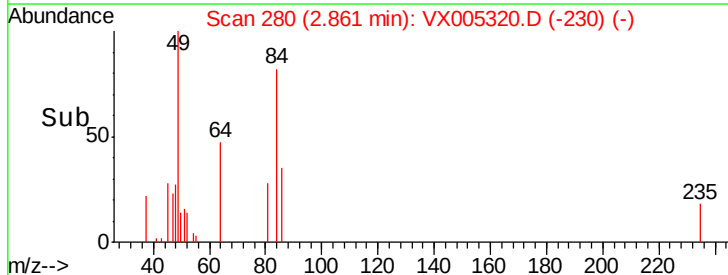
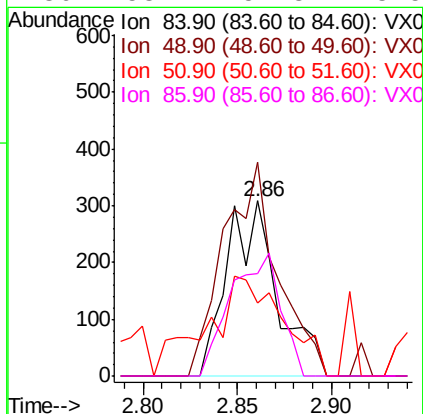
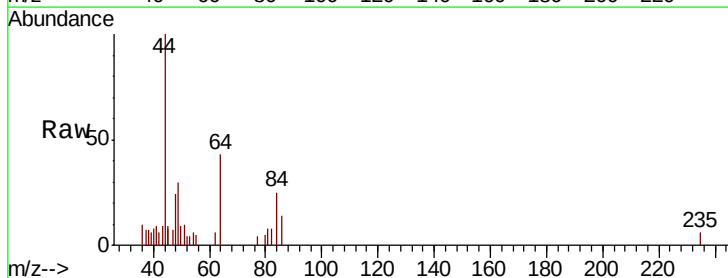
Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414

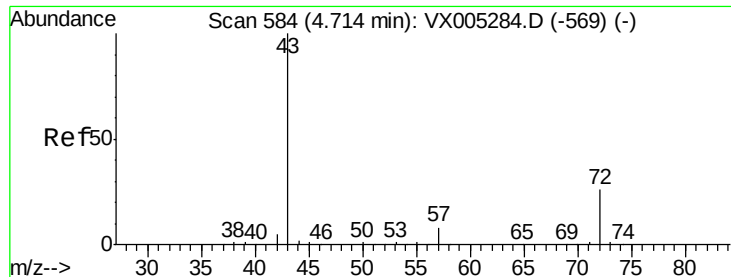
Tot Ion: 43 Resp: 2910
Ion Ratio Lower Upper
43 100
74 21.7 19.4 29.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005320.D
Acq: 13 Oct 2018 04:04

Tgt Ion: 84 Resp: 571
Ion Ratio Lower Upper
84 100
49 122.1 101.2 151.8
51 41.9 29.5 44.3
86 58.4 52.3 78.5





#25

2-Butanone

Concen: 0.882 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005320.D

Acq: 13 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

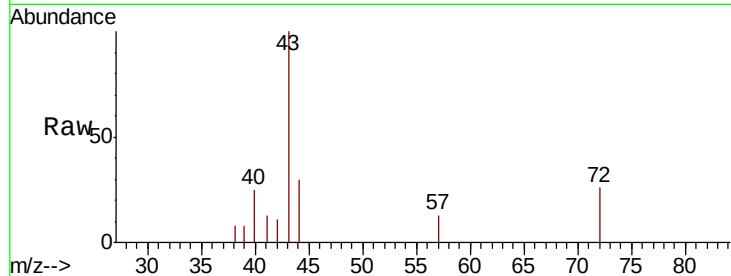
FA18-MMW3414

Tot Ion: 43 Resp: 2239

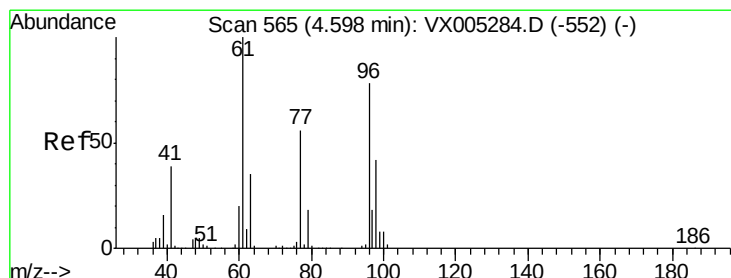
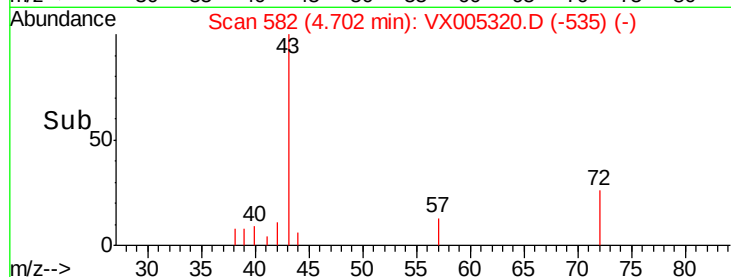
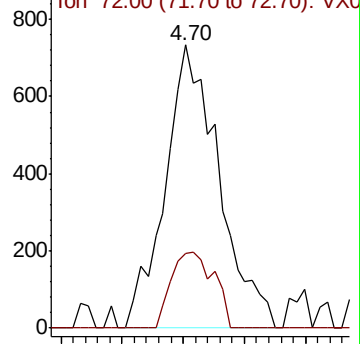
Ion Ratio Lower Upper

43 100

72 26.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.679 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX005320.D

Acq: 13 Oct 2018 04:04

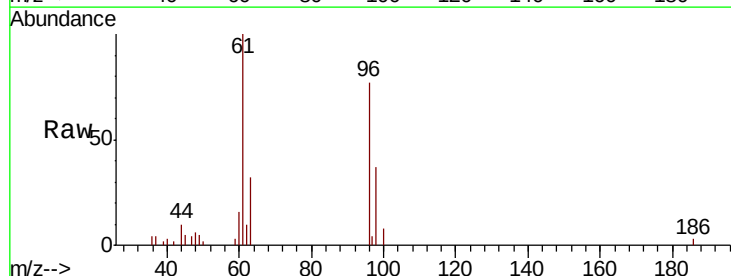
Tgt Ion: 96 Resp: 4789

Ion Ratio Lower Upper

96 100

61 165.0 0.0 282.6

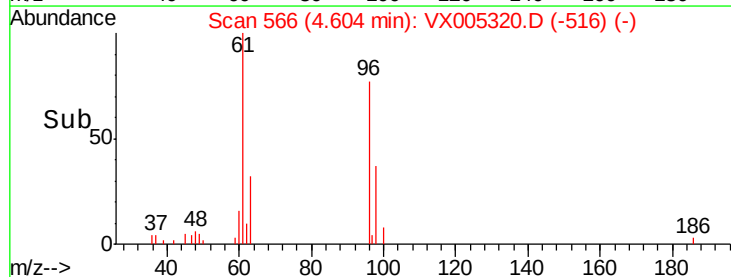
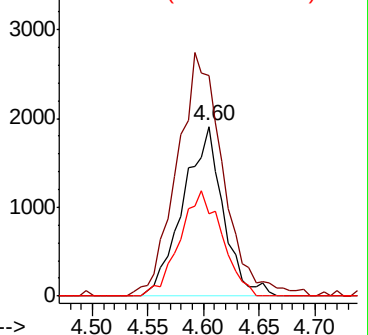
98 65.7 0.0 130.2

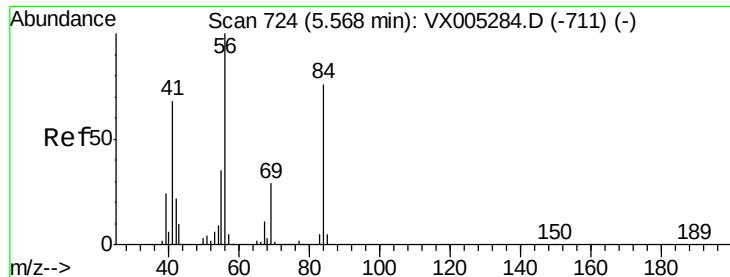


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

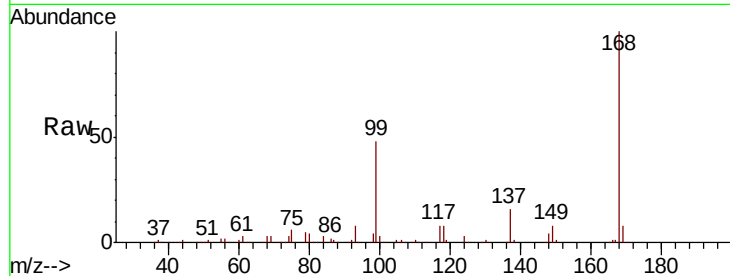




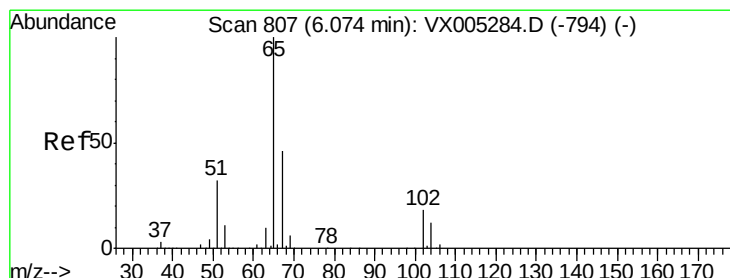
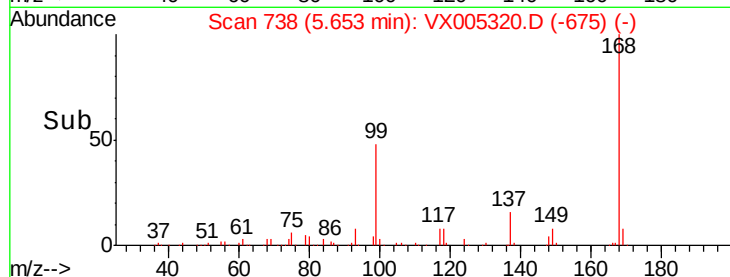
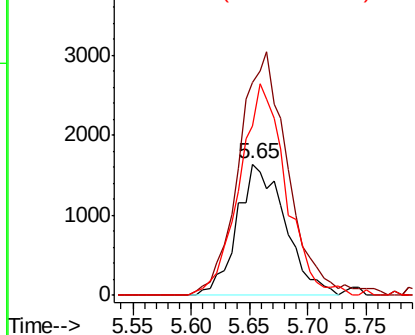
#31
Cyclohexane
Concen: 1.147 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.09 min
Lab File: VX005320.D
Acq: 13 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414

Tot Ion: 56 Resp: 4732
Ion Ratio Lower Upper
56 100
69 162.1 25.4 38.2#
84 129.1 71.4 107.2#

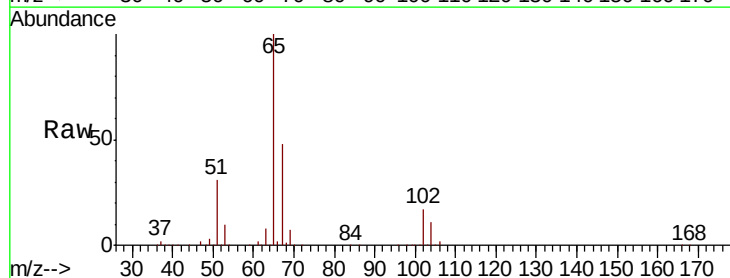


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

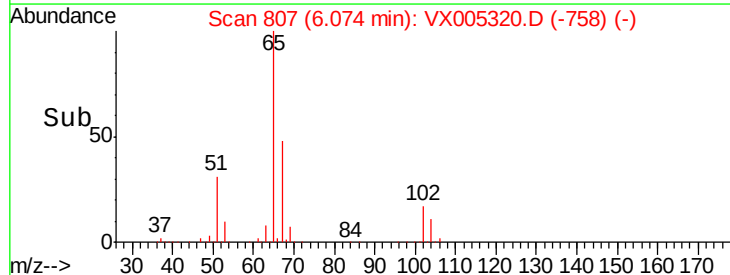
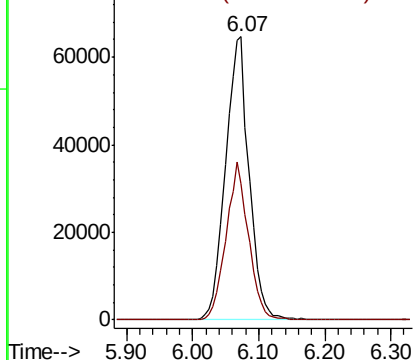


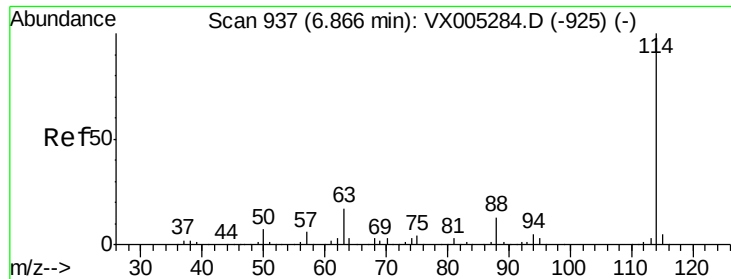
#33
1,2-Dichloroethane-d4
Concen: 53.220 ug/l
RT: 6.07 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX005320.D
Acq: 13 Oct 2018 04:04

Tgt Ion: 65 Resp: 159749
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

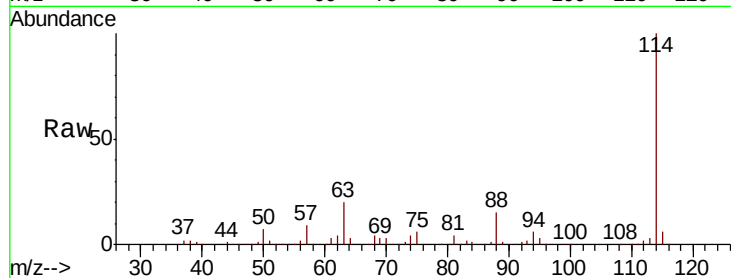




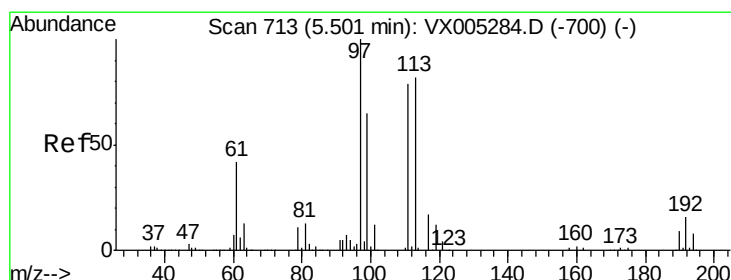
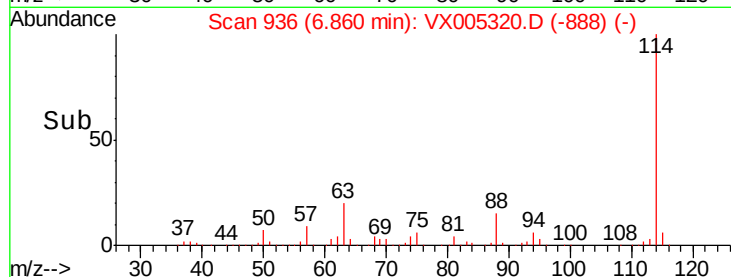
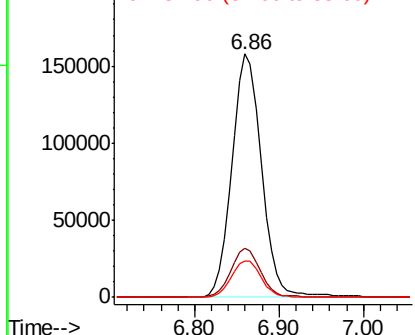
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.01 min
Lab File: VX005320.D
Acq: 13 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414

Tot Ion:114 Resp: 376156
Ion Ratio Lower Upper
114 100
63 20.1 0.0 39.0
88 14.9 0.0 30.4

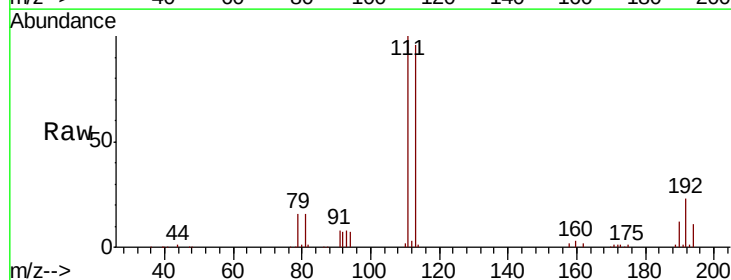


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

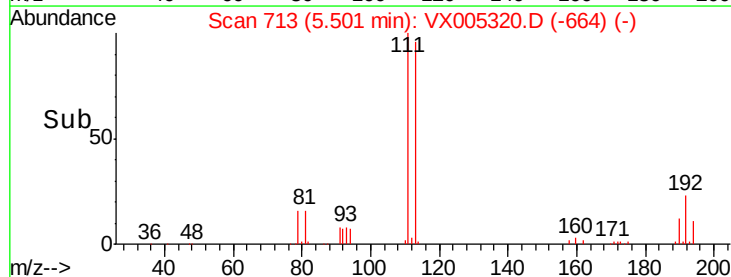
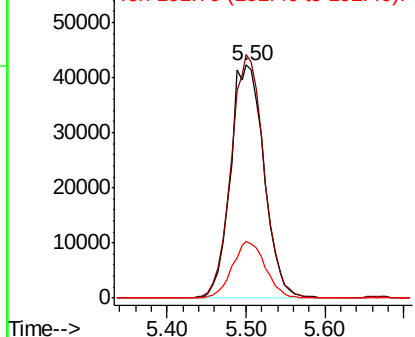


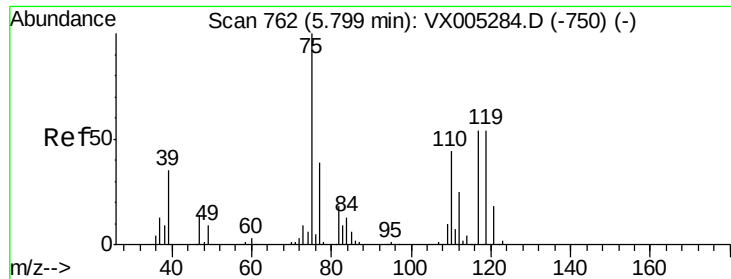
#35
Dibromofluoromethane
Concen: 50.280 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005320.D
Acq: 13 Oct 2018 04:04

Tgt Ion:113 Resp: 125267
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 23.8 19.4 29.2



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

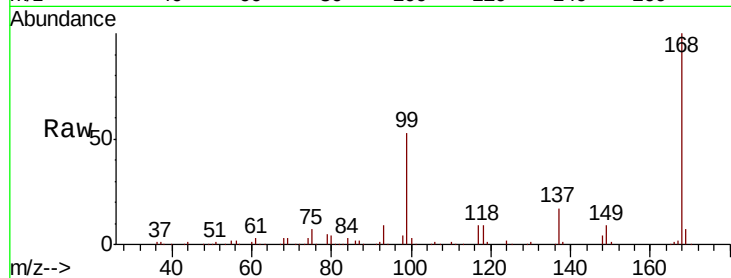




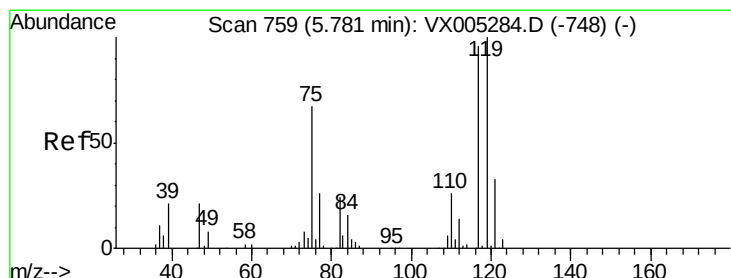
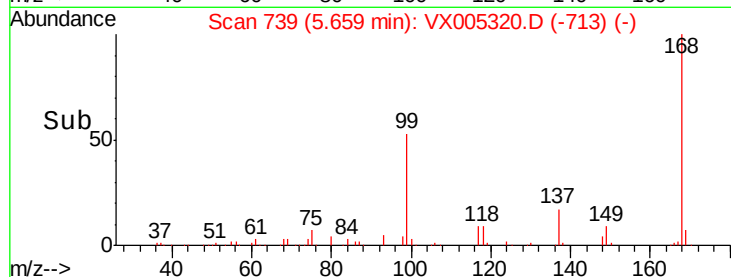
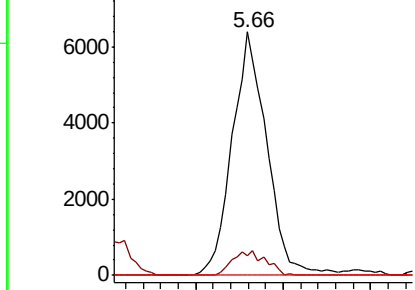
#36
 1,1-Dichloropropene
 Concen: 4.833 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005320.D
 Acq: 13 Oct 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-MMW3414

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.0	54.0#
77	0.0	24.6	36.8#

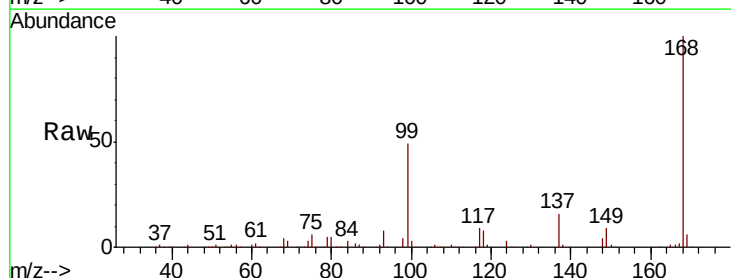


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

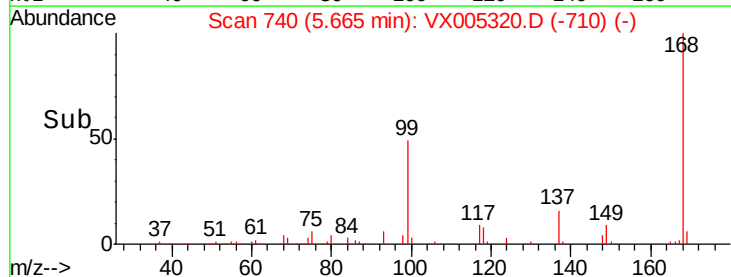
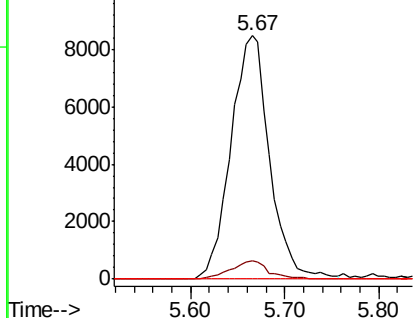


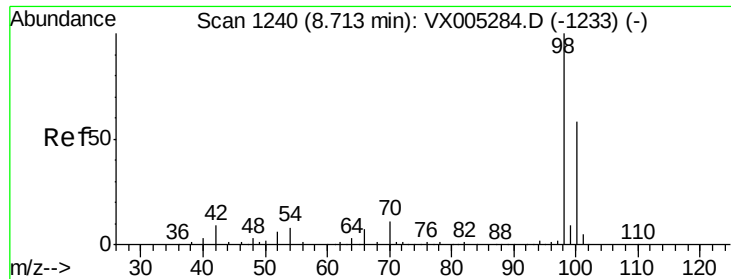
#38
 Carbon Tetrachloride
 Concen: 6.622 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005320.D
 Acq: 13 Oct 2018 04:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.5	78.8	118.2#
121	0.0	24.9	37.3#



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

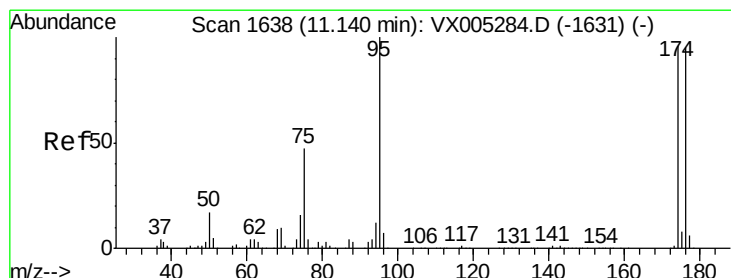
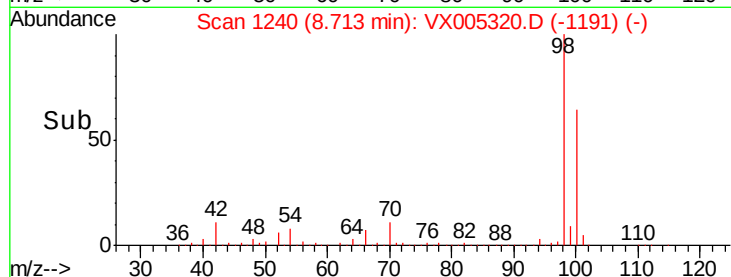
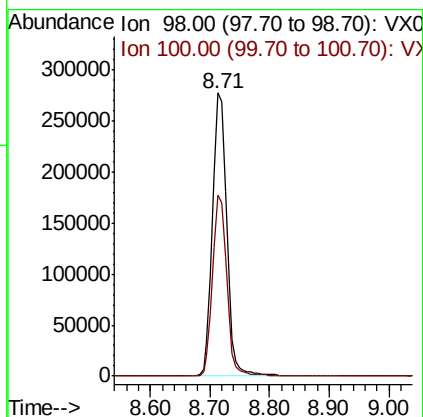
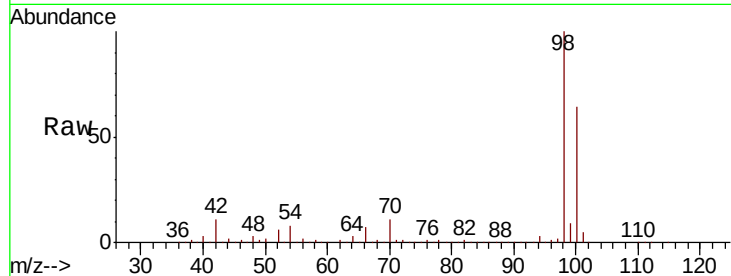




#50
Toluene-d8
Concen: 53.363 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005320.D
Acq: 13 Oct 2018 04:04

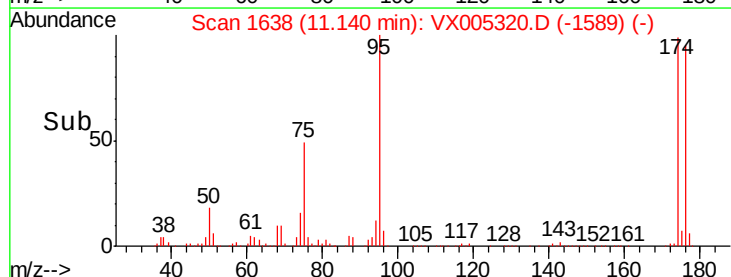
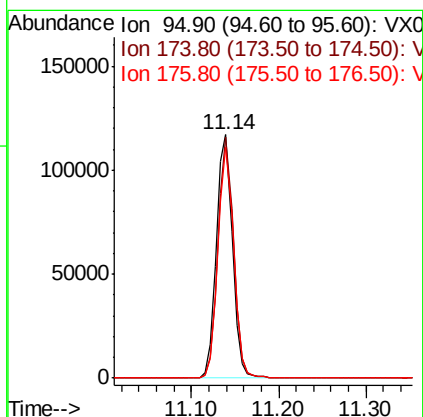
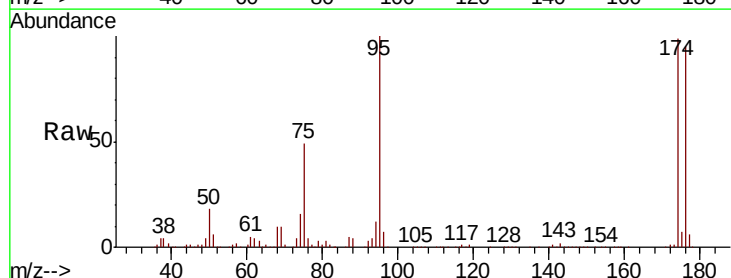
Instrument :
MSVOA_X
ClientSampleId :
FA18-MMW3414

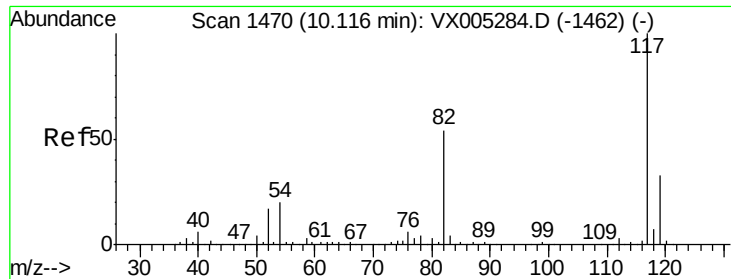
Tot Ion: 98 Resp: 456421
Ion Ratio Lower Upper
98 100
100 63.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.906 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005320.D
Acq: 13 Oct 2018 04:04

Tgt Ion: 95 Resp: 147500
Ion Ratio Lower Upper
95 100
174 96.3 0.0 185.2
176 93.1 0.0 178.6

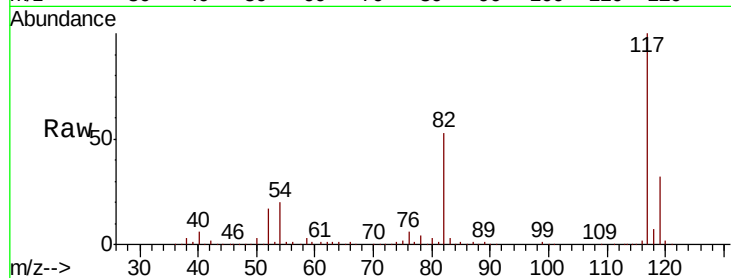




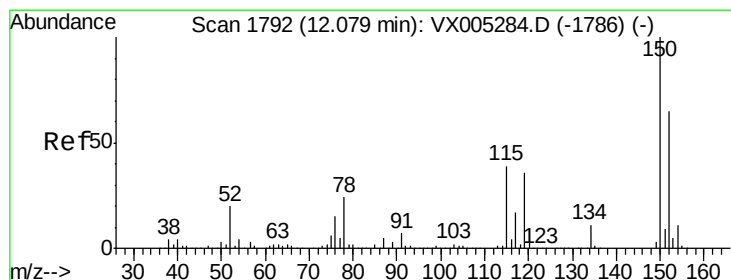
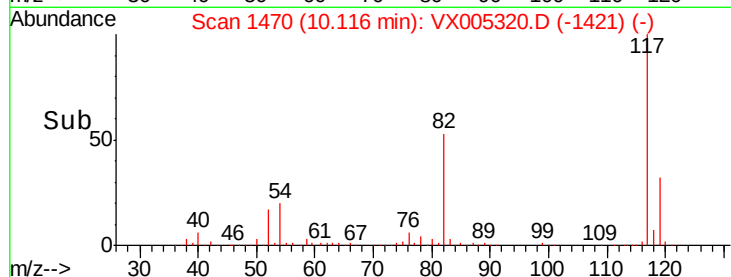
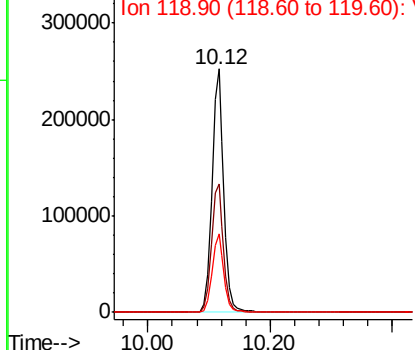
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005320.D
Acq: 13 Oct 2018 04:04

Instrument :
MSVOA_X
ClientSampled :
FA18-MMW3414

Tot Ion:117 Resp: 345155
Ion Ratio Lower Upper
117 100
82 52.7 47.8 71.6
119 32.2 29.3 43.9

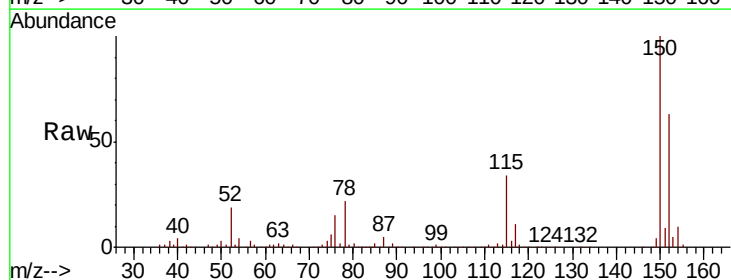


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

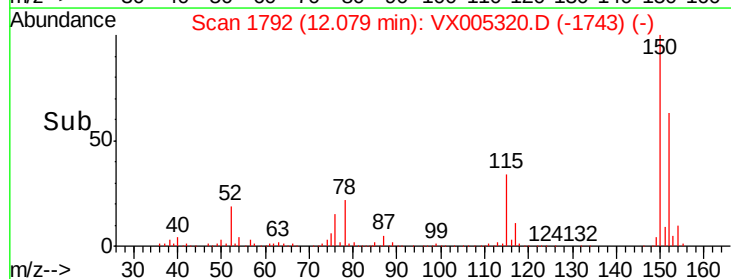
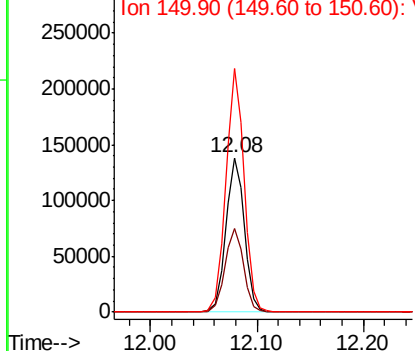


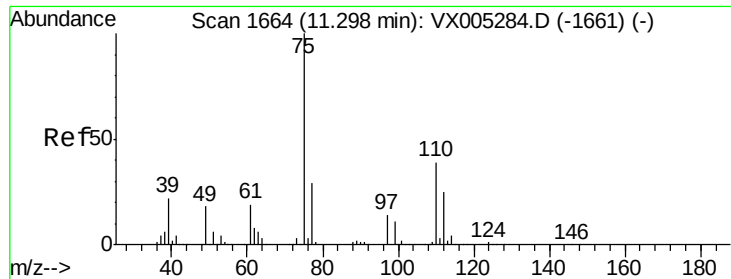
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005320.D
Acq: 13 Oct 2018 04:04

Tgt Ion:152 Resp: 167476
Ion Ratio Lower Upper
152 100
115 54.7 39.0 117.0
150 155.5 0.0 351.0



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: 22.594 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005320.D

Acq: 13 Oct 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

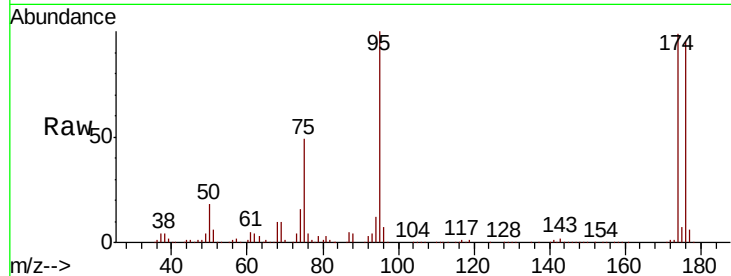
FA18-MMW3414

Tot Ion: 75 Resp: 73398

Ion Ratio Lower Upper

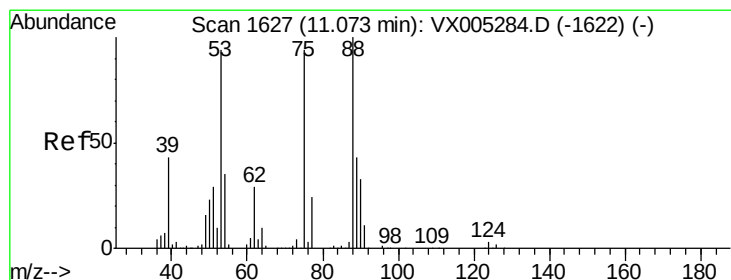
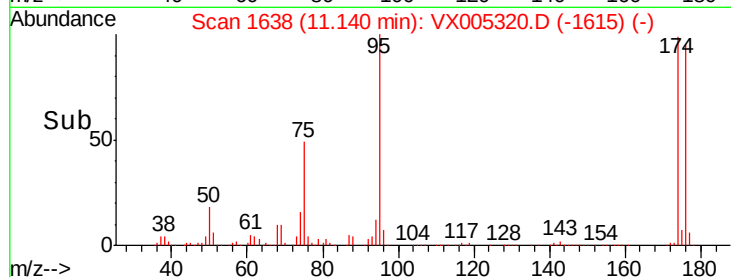
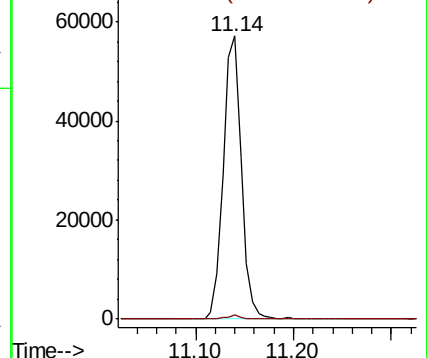
75 100

77 1.2 20.2 60.6#



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: 68.651 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005320.D

Acq: 13 Oct 2018 04:04

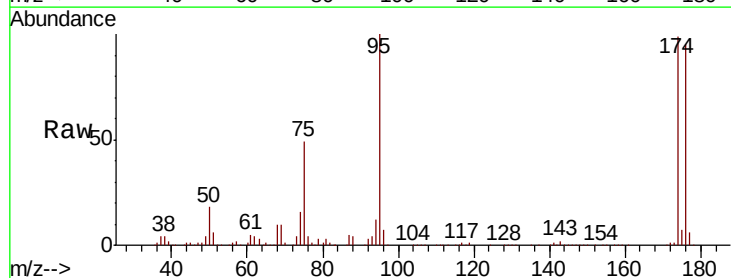
Tgt Ion: 75 Resp: 73398

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

