

Data File : VX000265.D

Acq On : 09 Mar 2018 19:24

Operator : JC/MD

Sample : J1755-02 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OK-03-030818

Quant Time: Mar 09 23:32:37 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M

Quant Title : SW846 8260

QLast Update : Thu Mar 08 02:15:47 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	72467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	122566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	117949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	60678	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	49607	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	5.51	113	36719	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
50) Toluene-d8	8.73	98	149979	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
62) 4-Bromofluorobenzene	11.15	95	52405	42.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.22%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	477	0.62	ug/l	95
5) Bromomethane	1.65	94	244	Below	Cal	81
6) Chloroethane	1.71	64	264	Below	Cal	# 42
10) Methyl Iodide	2.52	142	142	3.30	ug/l	# 37
14) Allyl chloride	2.74	41	320	0.23	ug/l	# 78
16) Acetone	2.45	43	3126	4.33	ug/l	# 88
18) Methyl Acetate	2.79	43	880	0.57	ug/l	# 73
20) Methylene Chloride	2.87	84	172000	199.91	ug/l	98
25) 2-Butanone	4.73	43	391	0.44	ug/l	# 50
29) Tetrahydrofuran	5.20	42	208	0.37	ug/l	# 31
31) Cyclohexane	5.68	56	2001	1.82	ug/l	# 57
36) 1,1-Dichloropropene	5.67	75	5690	5.22	ug/l	# 51
38) Carbon Tetrachloride	5.68	117	7461	6.76	ug/l	# 18
43) Isopropyl Acetate	6.49	43	1177	0.52	ug/l	# 70
51) 4-Methyl-2-Pentanone	8.64	43	349	0.20	ug/l	# 37
52) Toluene	8.79	92	576	0.27	ug/l	# 65
74) N-amyl acetate	6.49	43	1177	0.61	ug/l	# 59
76) 1,2,3-Trichloropropane	11.15	75	30852	25.37	ug/l	# 34
81) trans-1,4-Dichloro-2-buten	11.15	75	30852	77.67	ug/l	# 10
95) Naphthalene	13.85	128	17403	3.71	ug/l	99

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

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Instrument :

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Client Sample ID :

OK-03-030818

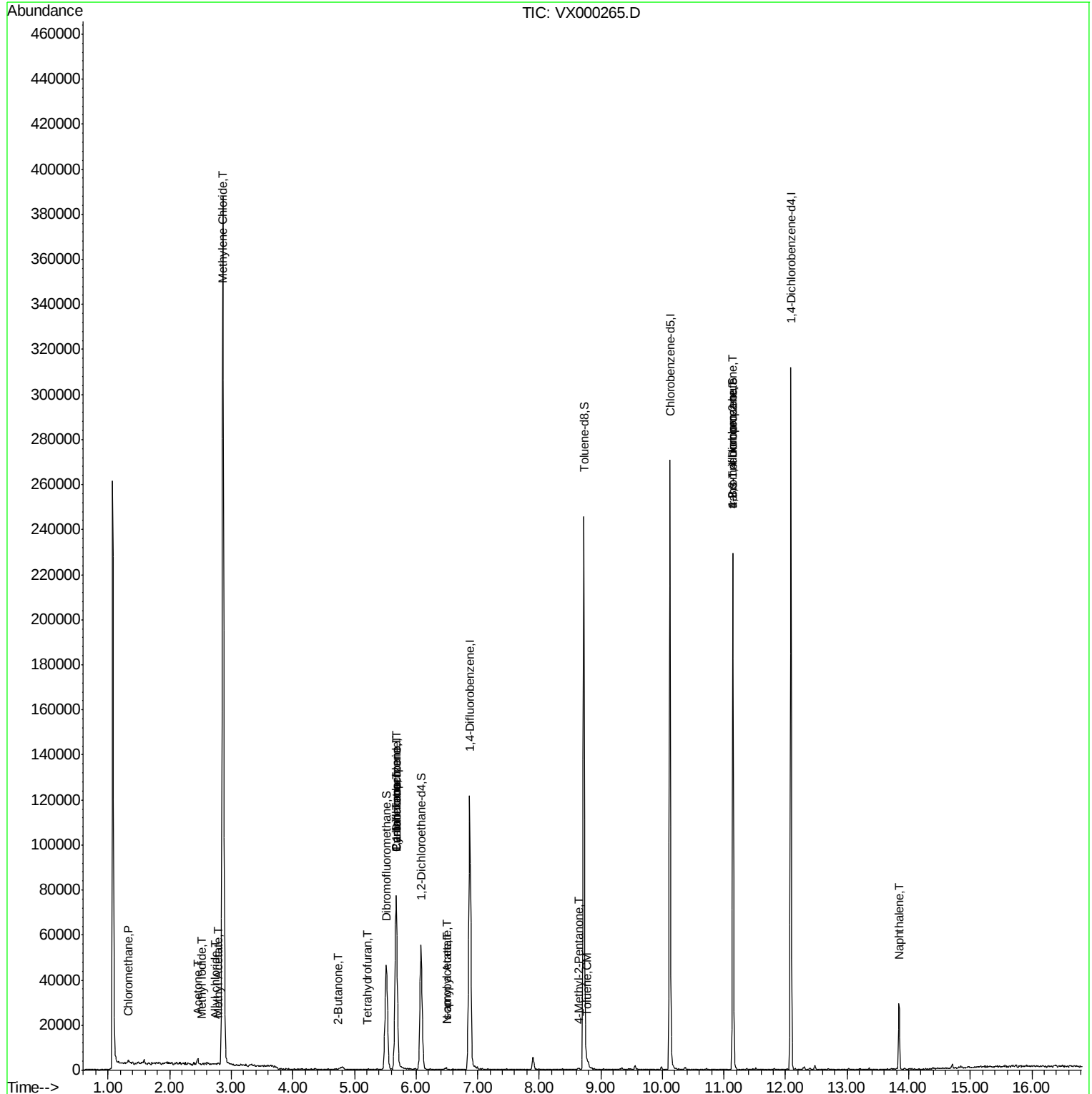
Quant Time: Mar 09 23:32:37 2018

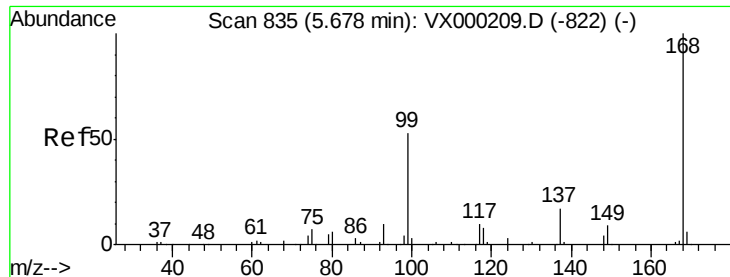
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M

Quant Title : SW846 8260

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000265.D

Acq: 09 Mar 2018 19:24

Instrument :

MSVOA_X

ClientSampleId :

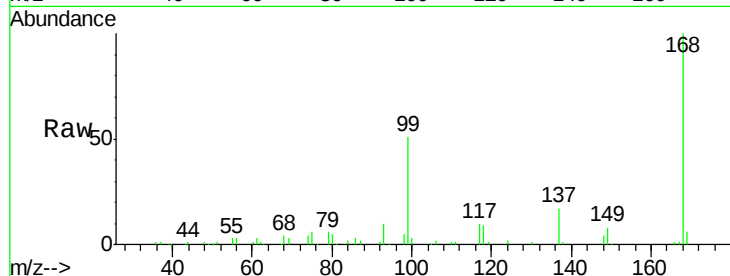
OK-03-030818

Tgt Ion:168 Resp: 72467

Ion Ratio Lower Upper

168 100

99 50.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

30000

25000

20000

15000

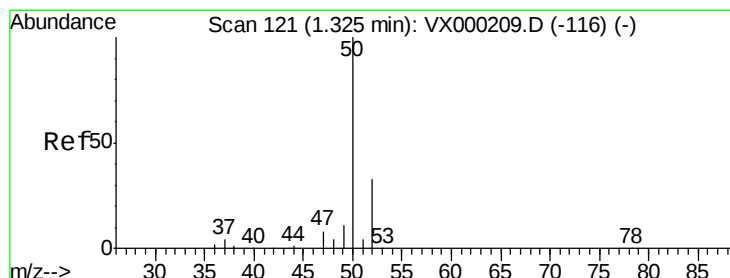
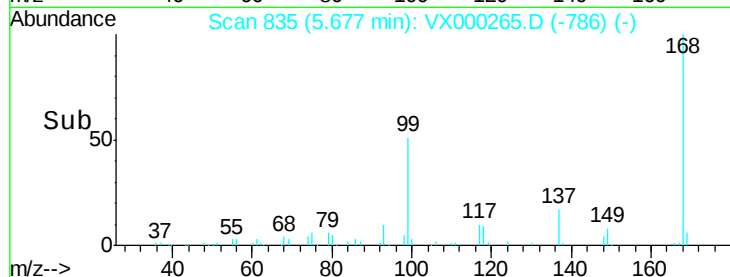
10000

5000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.62 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000265.D

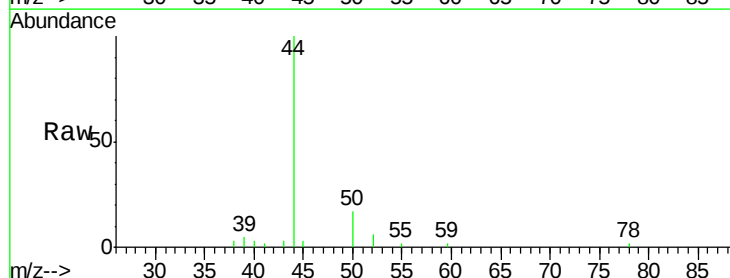
Acq: 09 Mar 2018 19:24

Tgt Ion: 50 Resp: 477

Ion Ratio Lower Upper

50 100

52 35.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

300

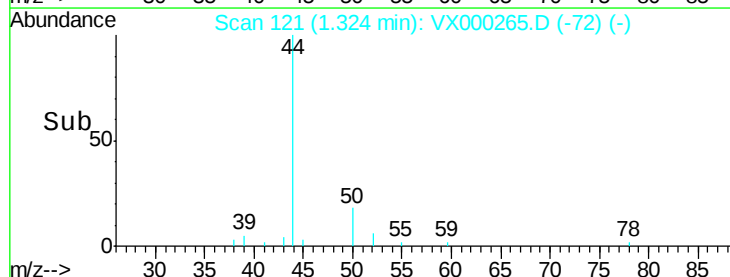
200

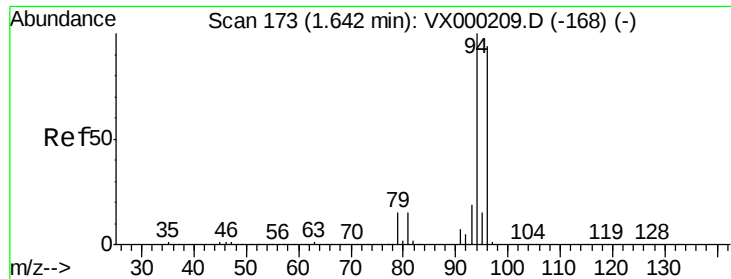
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000265.D

Acq: 09 Mar 2018 19:24

Instrument :

MSVOA_X

ClientSampleId :

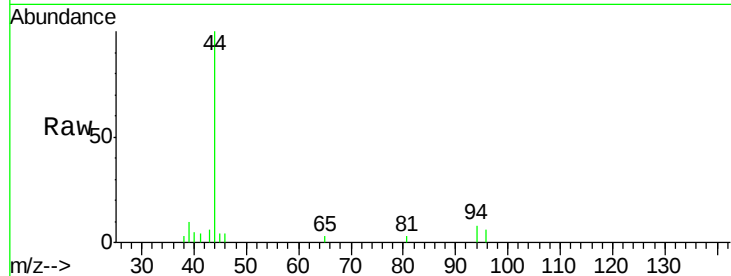
OK-03-030818

Tgt Ion: 94 Resp: 244

Ion Ratio Lower Upper

94 100

96 75.7 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

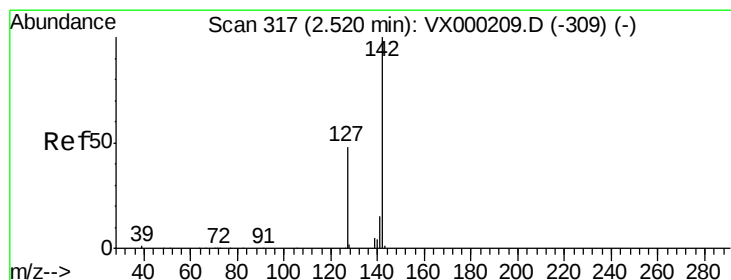
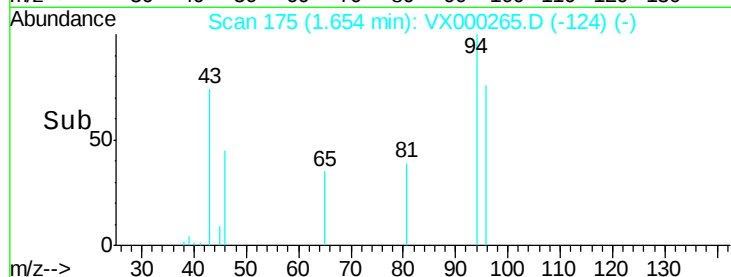
150

100

50

0

Time-->



#10

Methyl Iodide

Concen: 3.30 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000265.D

Acq: 09 Mar 2018 19:24

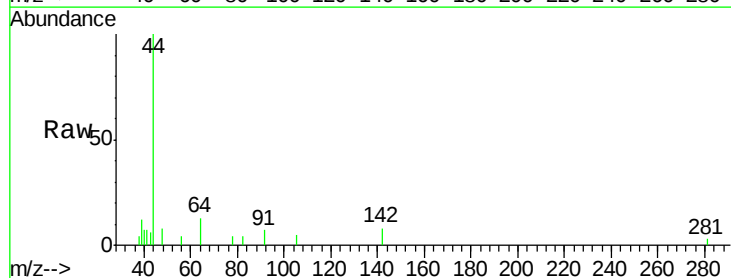
Tgt Ion: 142 Resp: 142

Ion Ratio Lower Upper

142 100

127 0.0 39.0 58.6#

141 0.0 11.6 17.4#



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

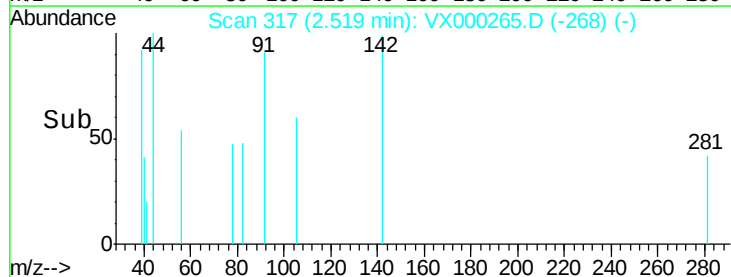
150

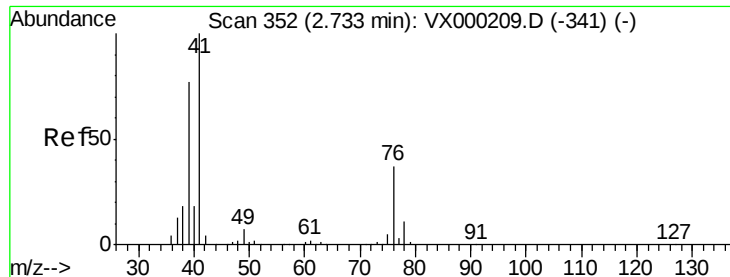
100

50

0

Time-->

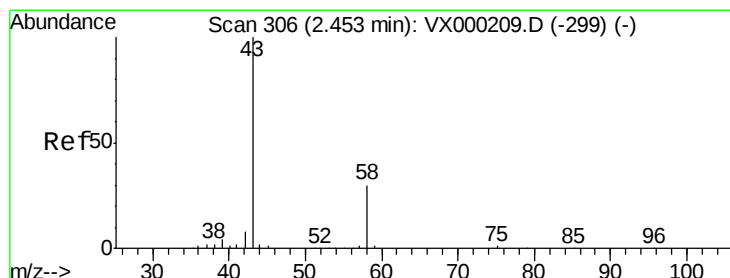
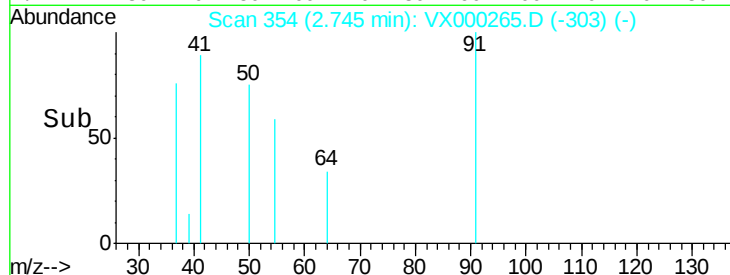
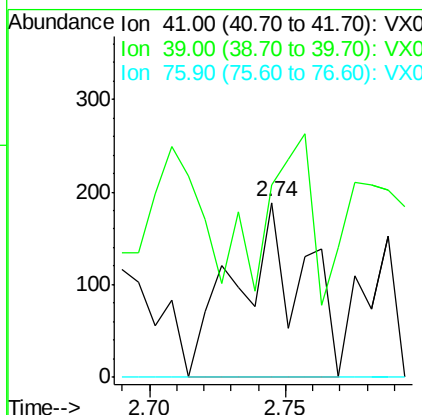
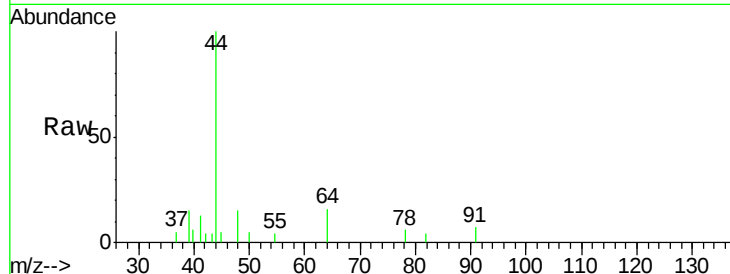




#14
 Allyl chloride
 Concen: 0.23 ug/l
 RT: 2.74 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VX000265.D
 Acq: 09 Mar 2018 19:24

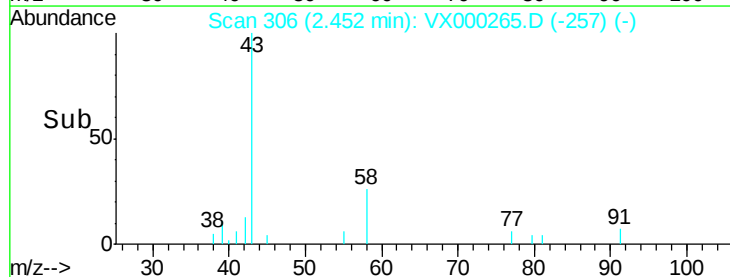
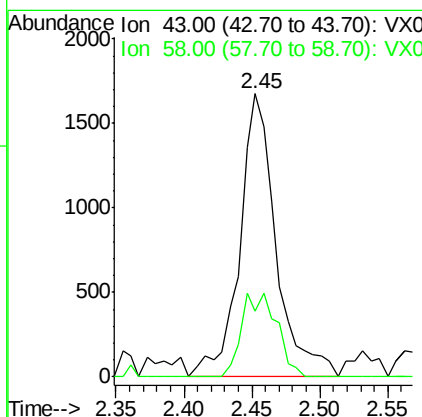
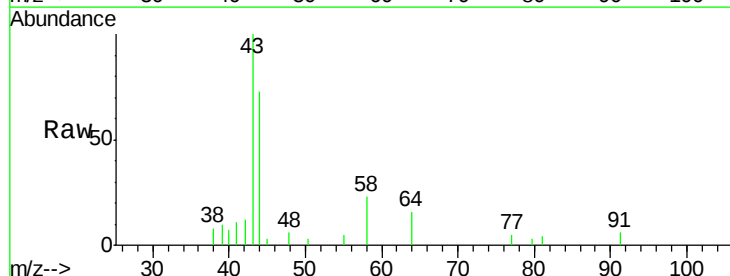
Instrument :
 MSVOA_X
 ClientSampled :
 OK-03-030818

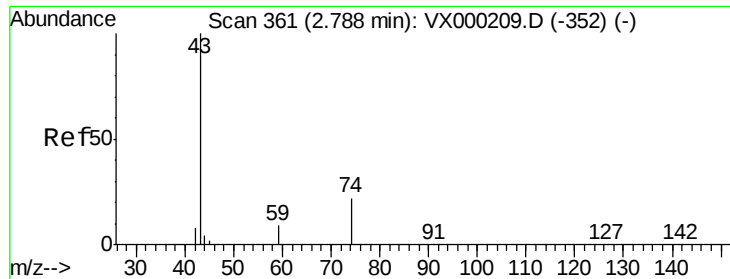
Tgt Ion: 41 Resp: 320
 Ion Ratio Lower Upper
 41 100
 39 67.2 57.0 85.6
 76 0.0 26.8 40.2#



#16
 Acetone
 Concen: 4.33 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VX000265.D
 Acq: 09 Mar 2018 19:24

Tgt Ion: 43 Resp: 3126
 Ion Ratio Lower Upper
 43 100
 58 23.3 23.8 35.6#

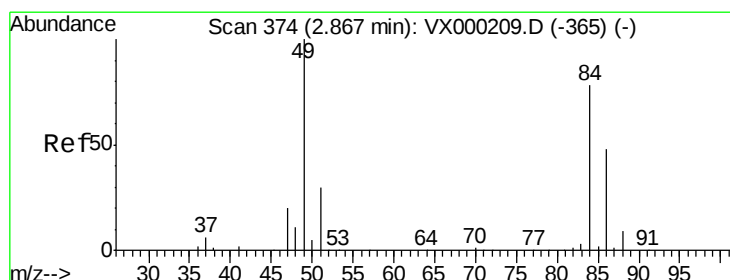
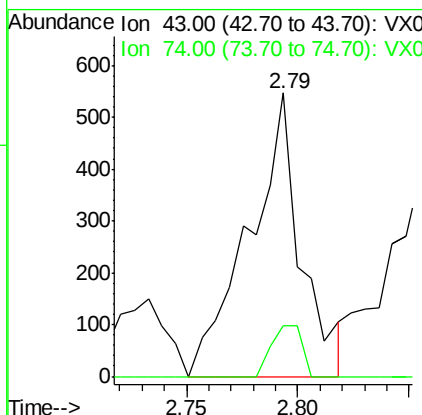
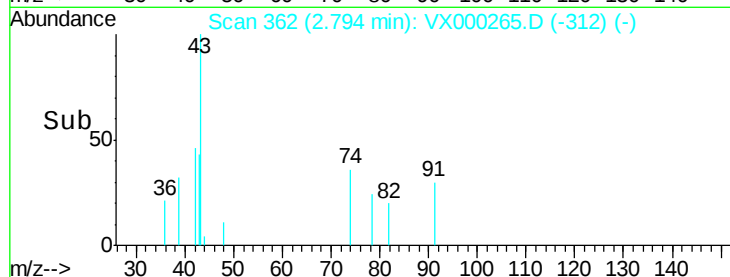
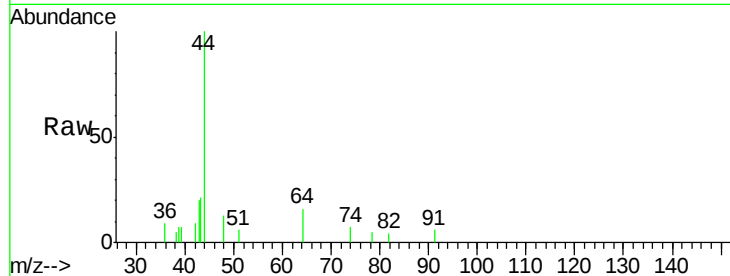




#18
Methyl Acetate
Concen: 0.57 ug/l
RT: 2.79 min Scan# 362
Delta R.T. 0.01 min
Lab File: VX000265.D
Acq: 09 Mar 2018 19:24

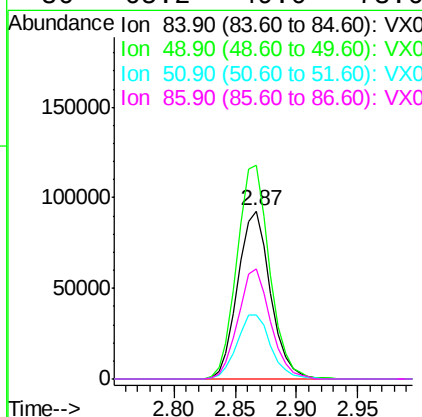
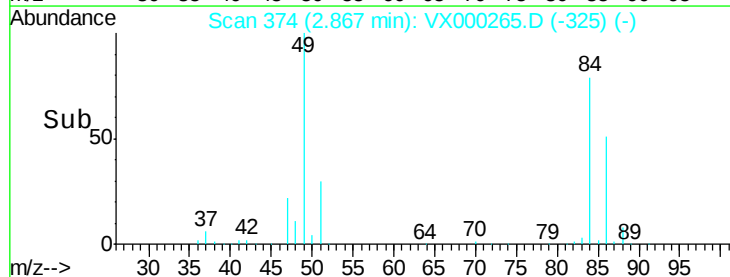
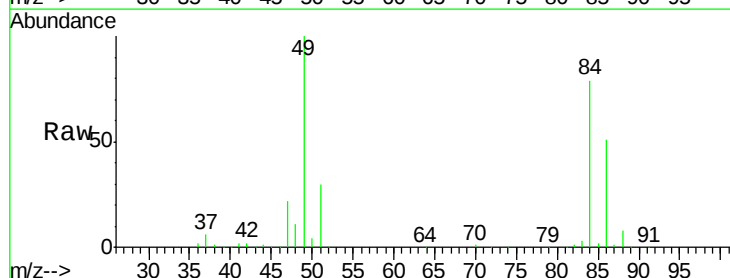
Instrument :
MSVOA_X
ClientSampleId :
OK-03-030818

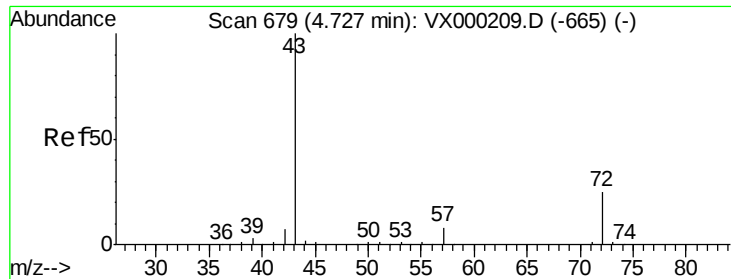
Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
74 10.5 18.9 28.3#



#20
Methylene Chloride
Concen: 199.91 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000265.D
Acq: 09 Mar 2018 19:24

Tgt Ion: 84 Resp: 172000
Ion Ratio Lower Upper
84 100
49 127.1 102.1 153.1
51 38.0 30.6 45.8
86 65.2 49.0 73.6





#25

2-Butanone

Concen: 0.44 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX000265.D

Acq: 09 Mar 2018 19:24

Instrument :

MSVOA_X

ClientSampleId :

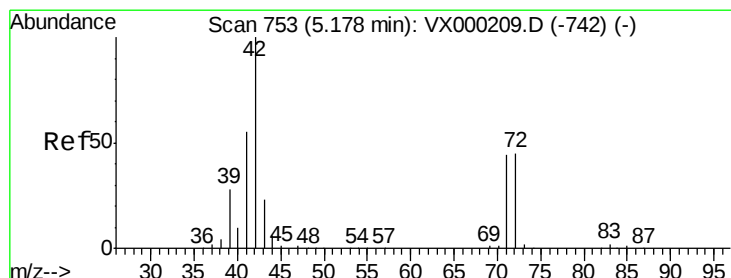
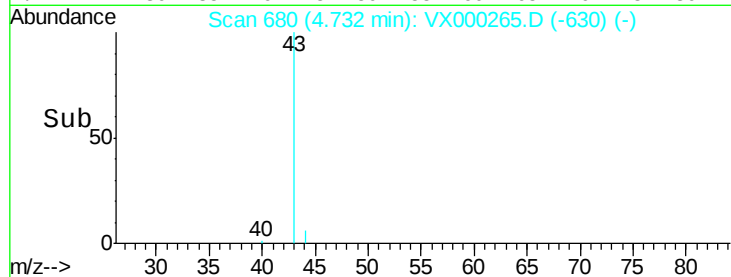
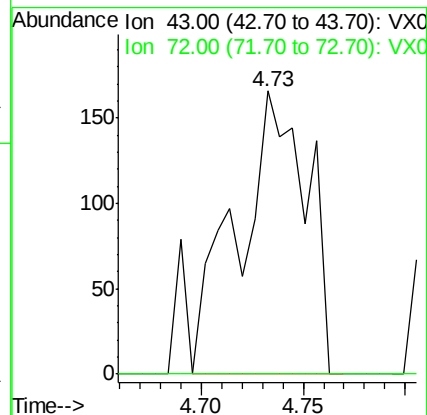
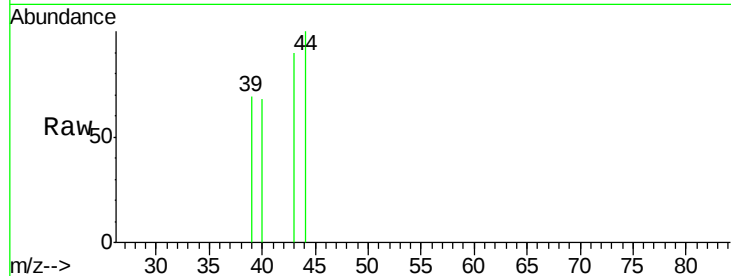
OK-03-030818

Tgt Ion: 43 Resp: 391

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#



#29

Tetrahydrofuran

Concen: 0.37 ug/l

RT: 5.20 min Scan# 757

Delta R.T. 0.02 min

Lab File: VX000265.D

Acq: 09 Mar 2018 19:24

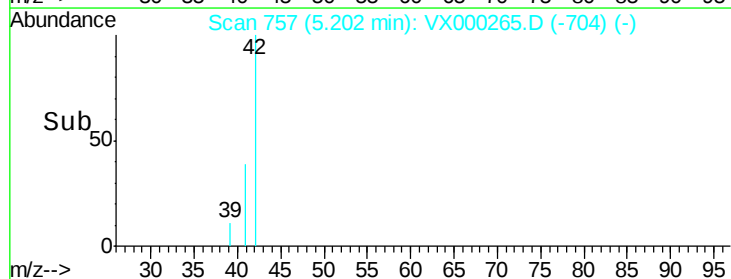
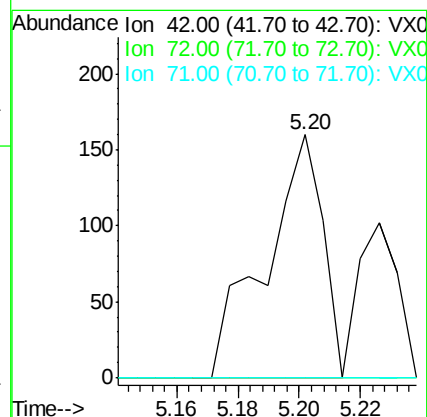
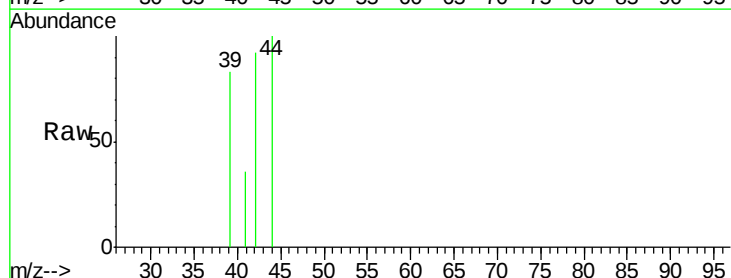
Tgt Ion: 42 Resp: 208

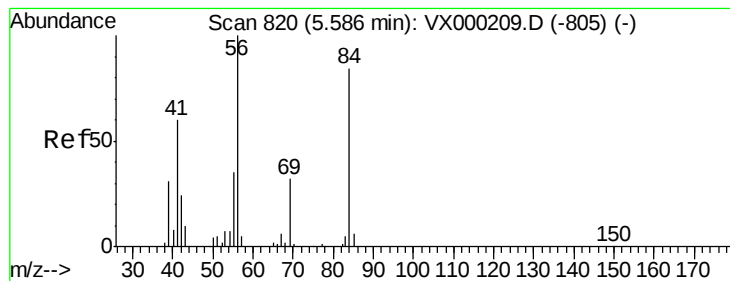
Ion Ratio Lower Upper

42 100

72 0.0 37.3 55.9#

71 0.0 35.0 52.4#





#31

Cyclohexane

Concen: 1.82 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000265.D

Acq: 09 Mar 2018 19:24

Instrument :

MSVOA_X

ClientSampleId :

OK-03-030818

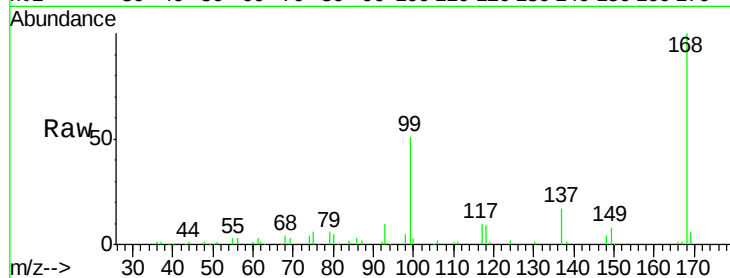
Tgt Ion: 56 Resp: 2001

Ion Ratio Lower Upper

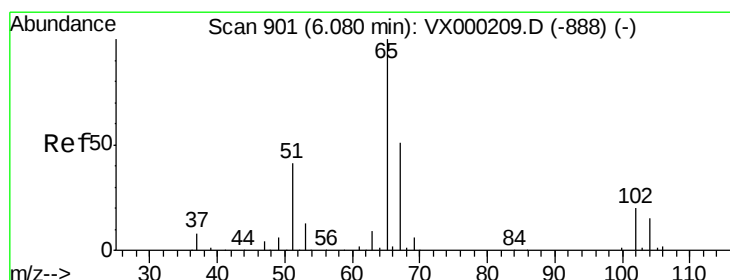
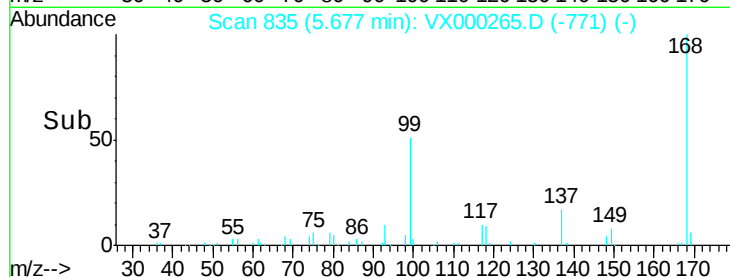
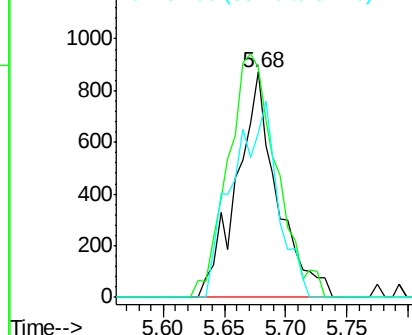
56 100

69 102.1 25.3 37.9#

84 73.2 67.2 100.8



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: 49.38 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000265.D

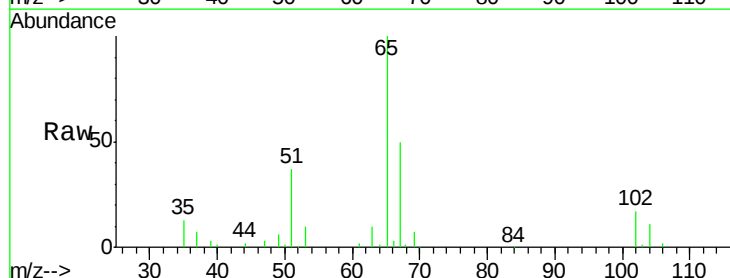
Acq: 09 Mar 2018 19:24

Tgt Ion: 65 Resp: 49607

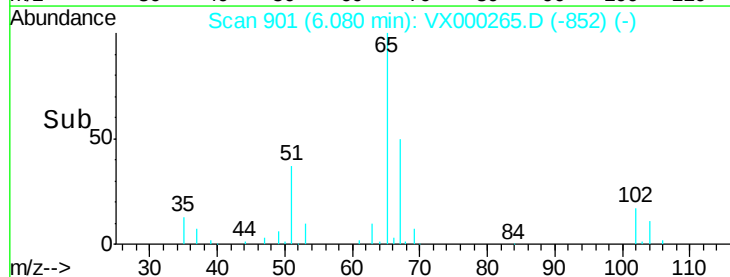
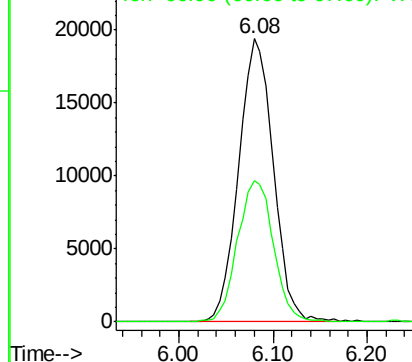
Ion Ratio Lower Upper

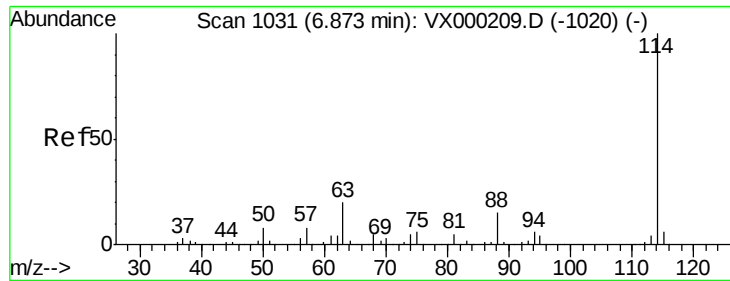
65 100

67 51.7 0.0 103.4



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

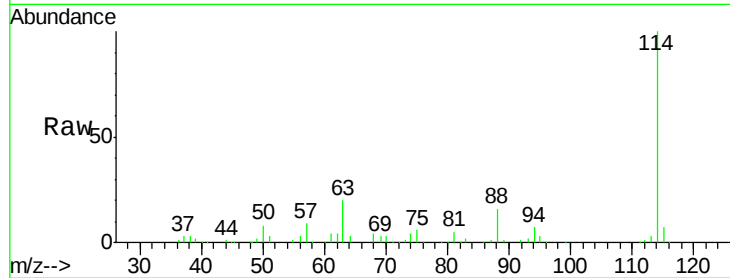




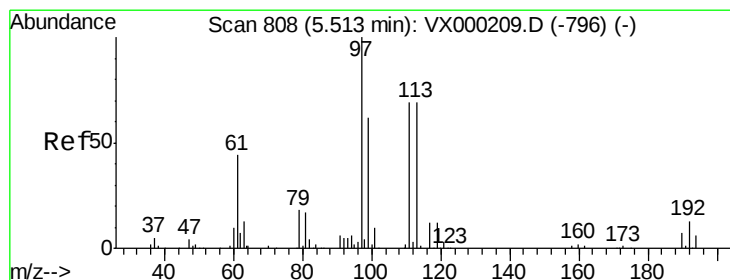
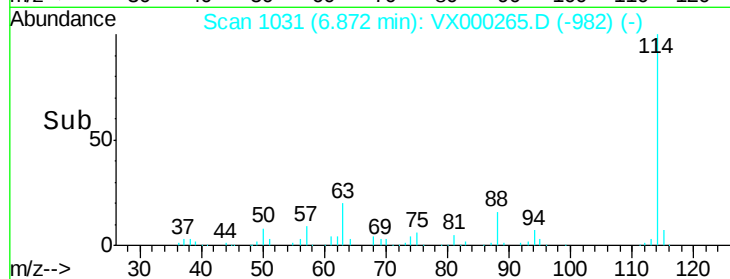
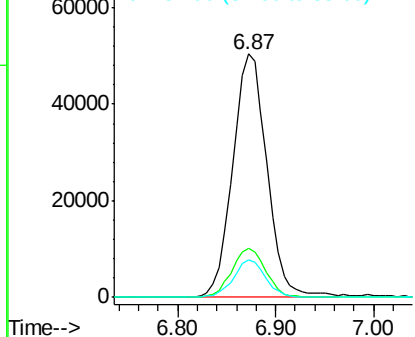
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000265.D
 Acq: 09 Mar 2018 19:24

Instrument :
 MSVOA_X
 ClientSampleId :
 OK-03-030818

Tgt Ion:114 Resp: 122566
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.2
 88 15.6 0.0 29.8

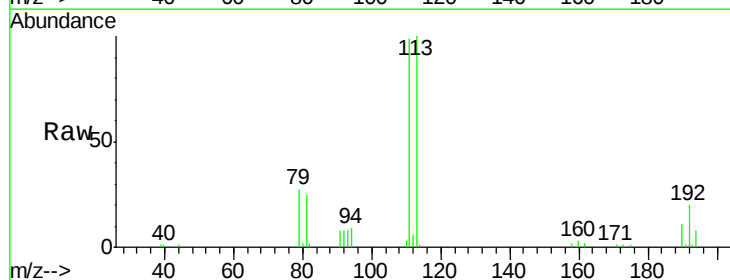


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

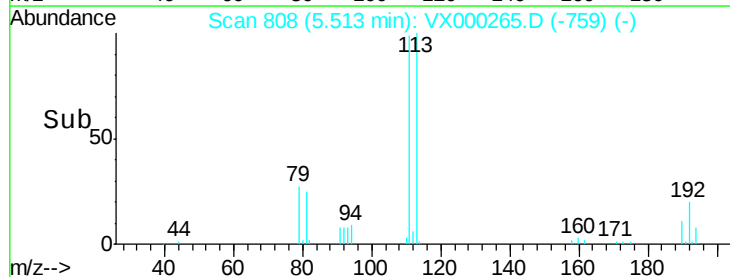
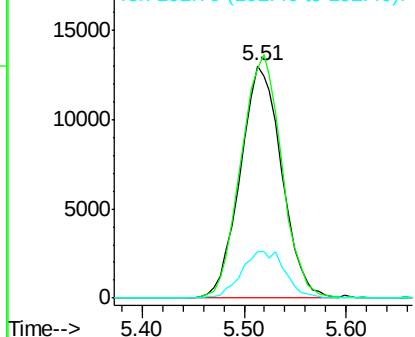


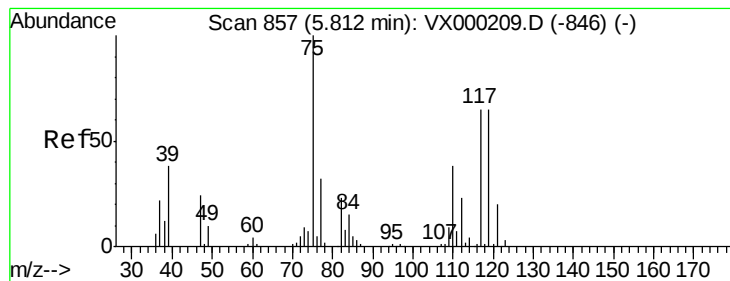
#35
 Dibromofluoromethane
 Concen: 47.69 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000265.D
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Tgt Ion:113 Resp: 36719
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.0 124.6
 192 21.2 15.5 23.3



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: 5.22 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000265.D

Acq: 09 Mar 2018 19:24

Instrument :

MSVOA_X

ClientSampleId :

OK-03-030818

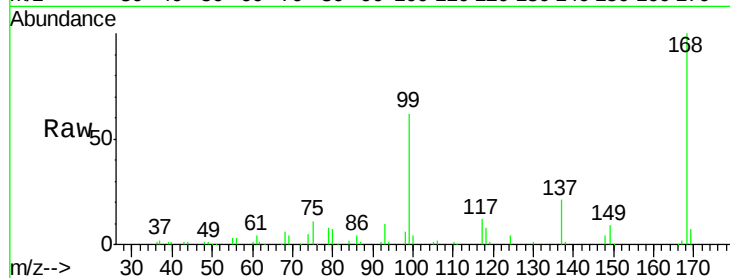
Tgt Ion: 75 Resp: 5690

Ion Ratio Lower Upper

75 100

110 10.3 17.8 53.5#

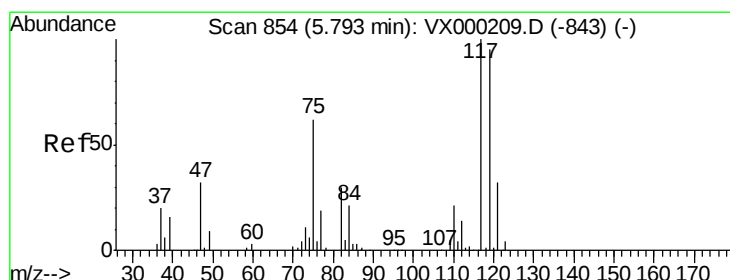
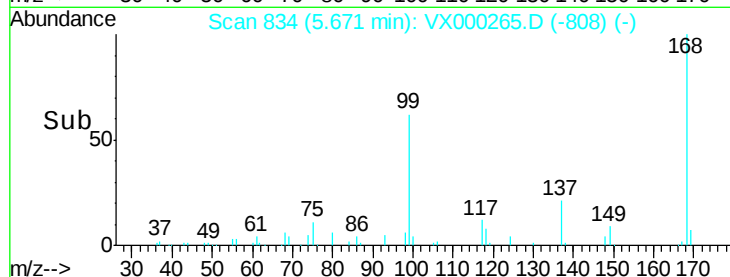
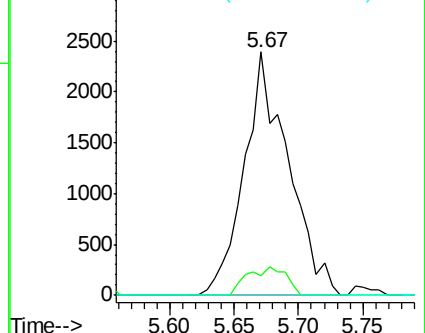
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX000209.D (-846) (-)

Ion 109.90 (109.60 to 110.60): VX000209.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX000209.D (-846) (-)



#38

Carbon Tetrachloride

Concen: 6.76 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000265.D

Acq: 09 Mar 2018 19:24

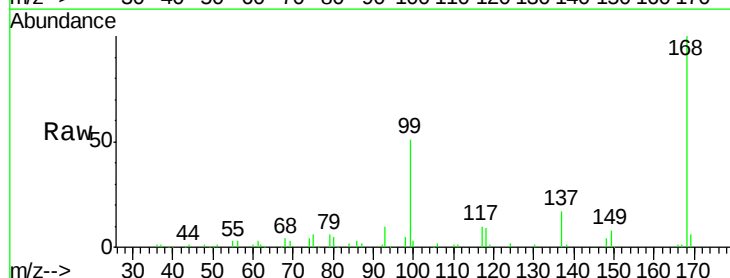
Tgt Ion: 117 Resp: 7461

Ion Ratio Lower Upper

117 100

119 7.8 75.9 113.9#

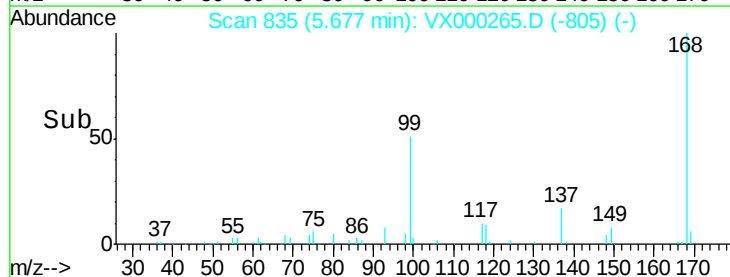
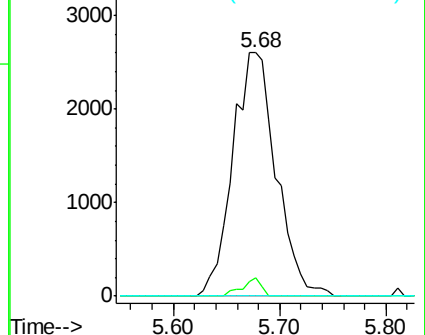
121 0.0 25.8 38.6#

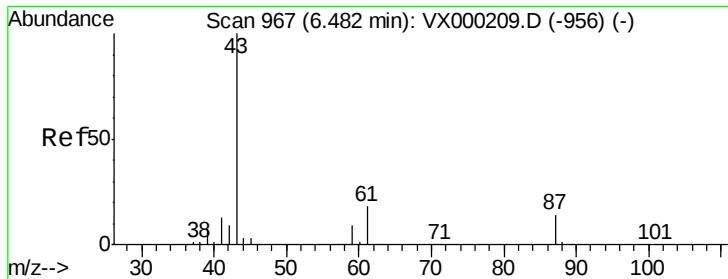


Abundance Ion 116.80 (116.50 to 117.50): VX000209.D (-843) (-)

Ion 118.80 (118.50 to 119.50): VX000209.D (-843) (-)

Ion 120.80 (120.50 to 121.50): VX000209.D (-843) (-)





#43

Isopropyl Acetate

Concen: 0.52 ug/l

RT: 6.49 min Scan# 969

Delta R.T. 0.01 min

Lab File: VX000265.D

Acq: 09 Mar 2018 19:24

Instrument :

MSVOA_X

ClientSampleId :

OK-03-030818

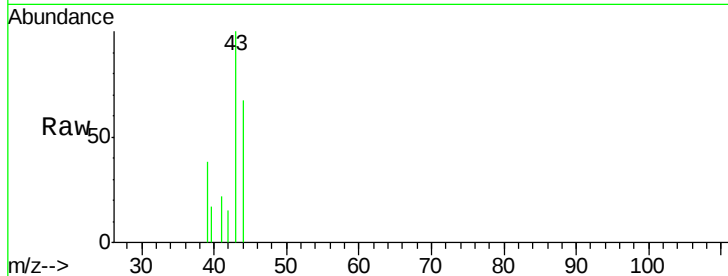
Tgt Ion: 43 Resp: 1177

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

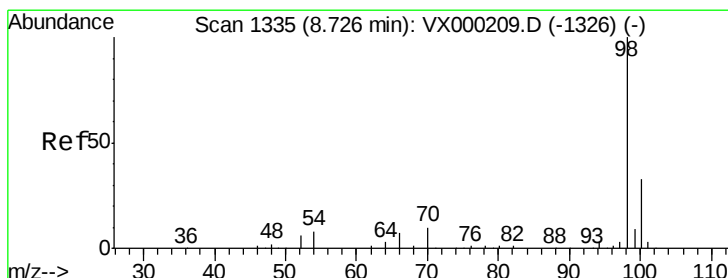
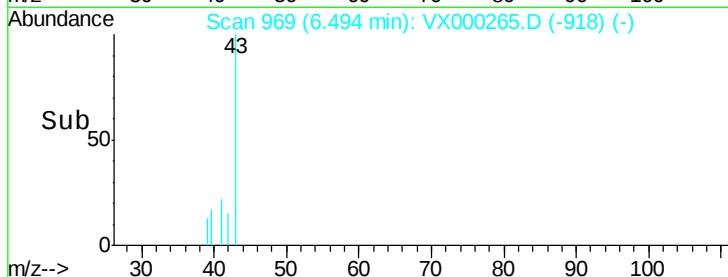
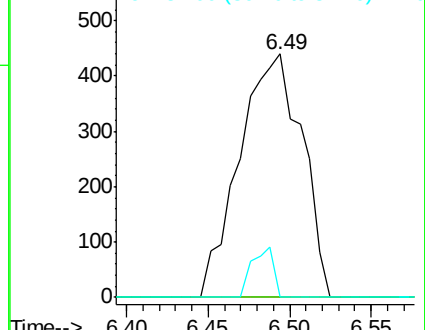
87 7.2 10.6 16.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 47.03 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000265.D

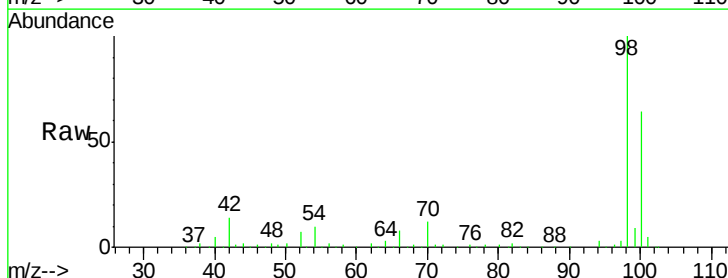
Acq: 09 Mar 2018 19:24

Tgt Ion: 98 Resp: 149979

Ion Ratio Lower Upper

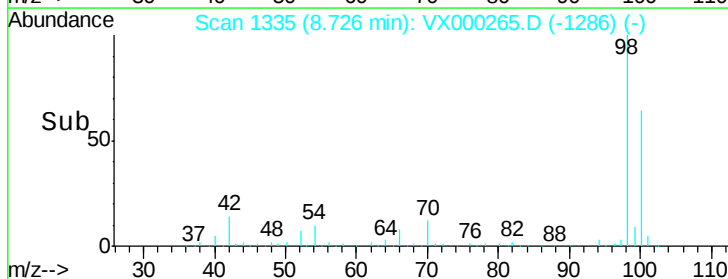
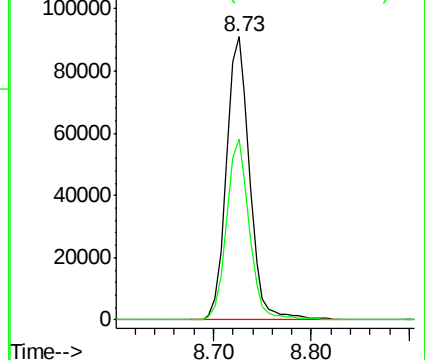
98 100

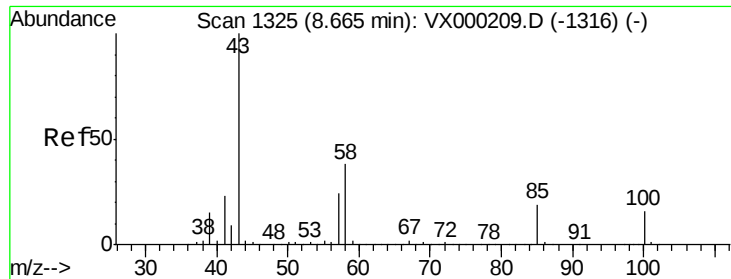
100 63.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

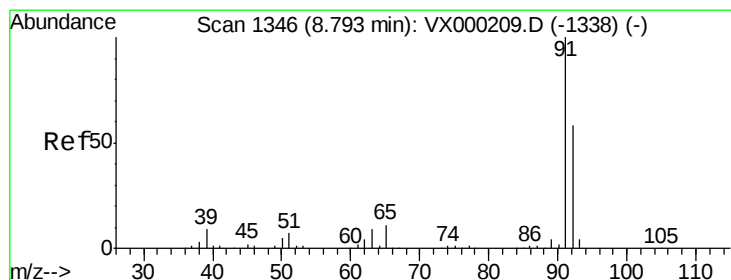
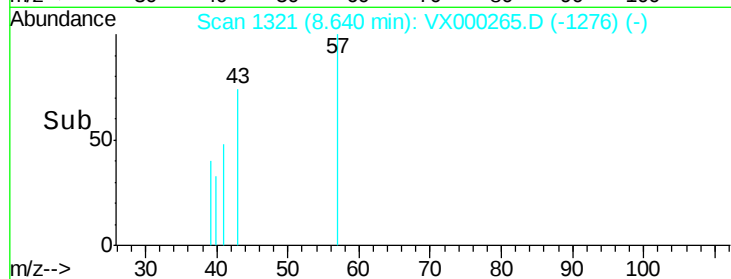
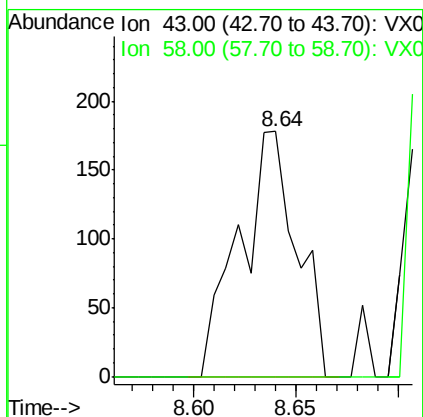
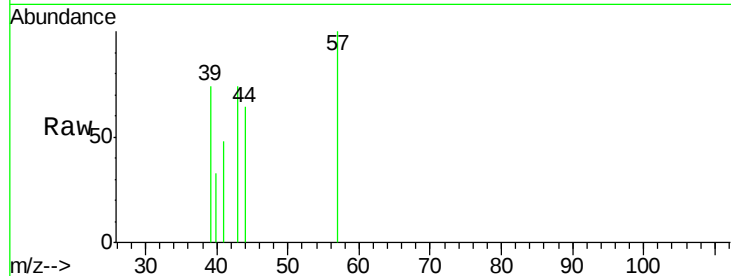




#51
4-Methyl-2-Pentanone
Concen: 0.20 ug/l
RT: 8.64 min Scan# 1321
Delta R.T. -0.02 min
Lab File: VX000265.D
Acq: 09 Mar 2018 19:24

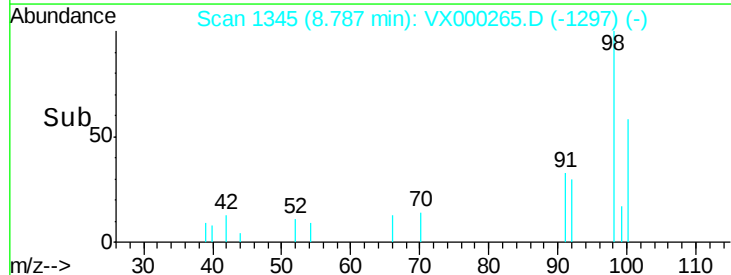
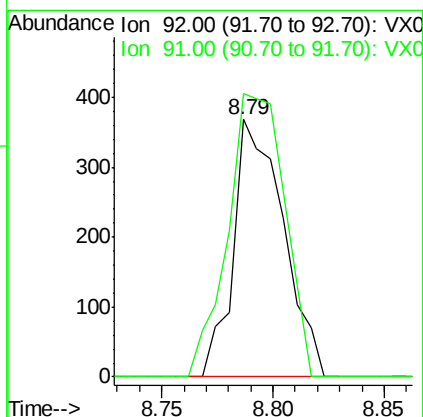
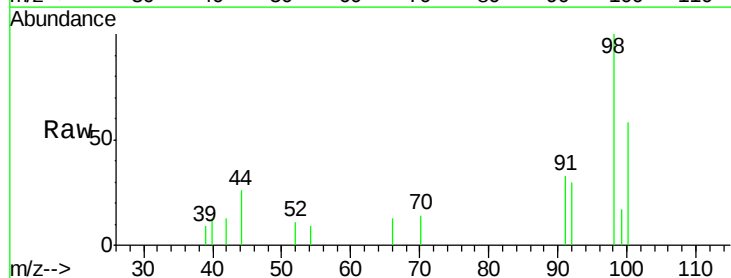
Instrument :
MSVOA_X
ClientSampleId :
OK-03-030818

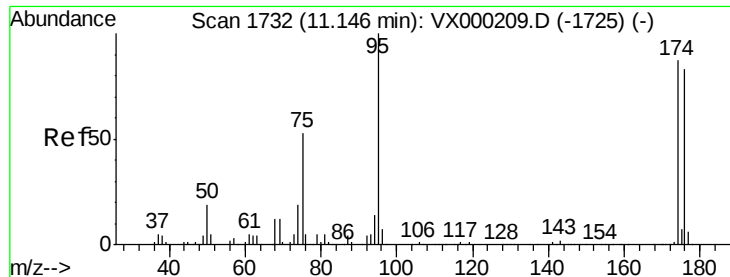
Tgt Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#52
Toluene
Concen: 0.27 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX000265.D
Acq: 09 Mar 2018 19:24

Tgt Ion: 92 Resp: 576
Ion Ratio Lower Upper
92 100
91 125.2 139.0 208.6#

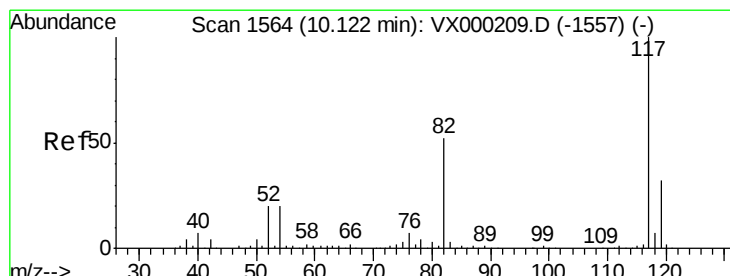
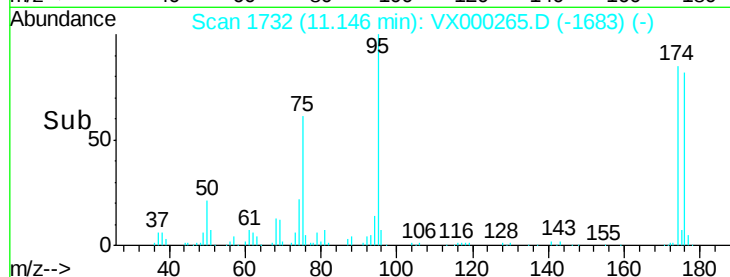
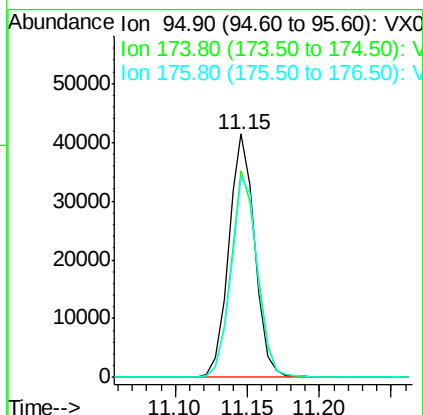
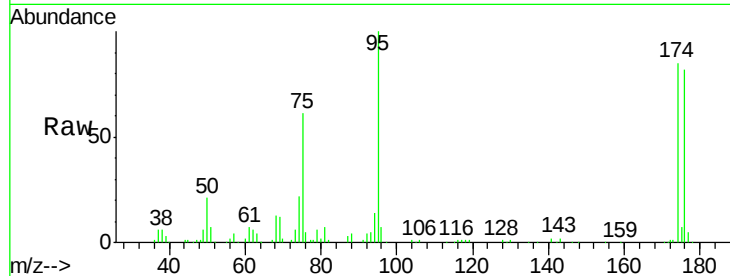




#62
4-Bromofluorobenzene
Concen: 42.11 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000265.D
Acq: 09 Mar 2018 19:24

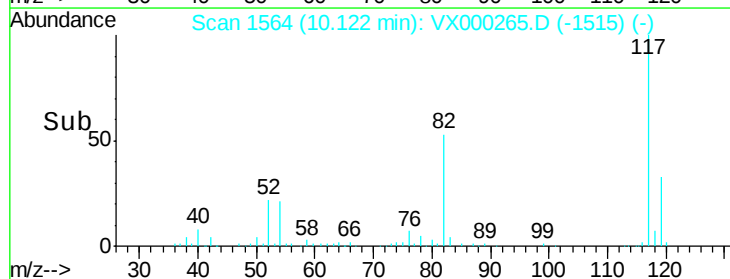
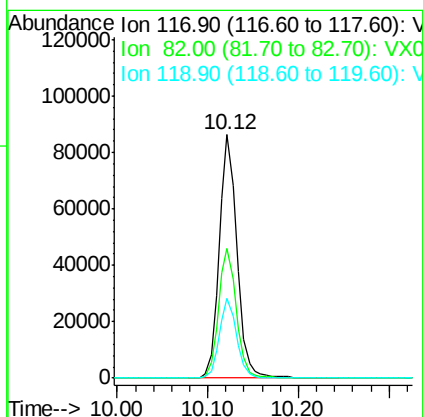
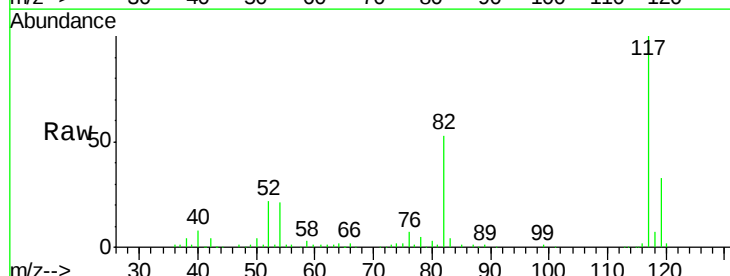
Instrument :
MSVOA_X
ClientSampleId :
OK-03-030818

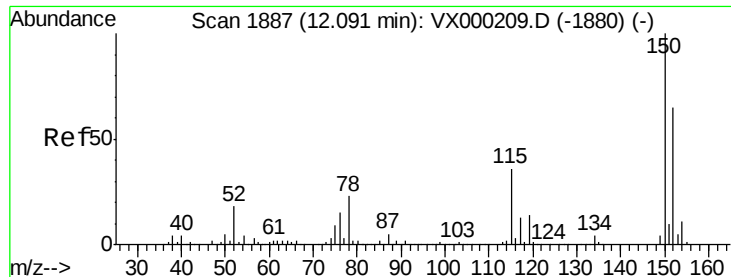
Tgt Ion: 95 Resp: 52405
Ion Ratio Lower Upper
95 100
174 85.6 0.0 175.6
176 84.0 0.0 171.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000265.D
Acq: 09 Mar 2018 19:24

Tgt Ion: 117 Resp: 117949
Ion Ratio Lower Upper
117 100
82 53.3 42.0 63.0
119 32.6 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000265.D

Acq: 09 Mar 2018 19:24

Instrument :

MSVOA_X

ClientSampleId :

OK-03-030818

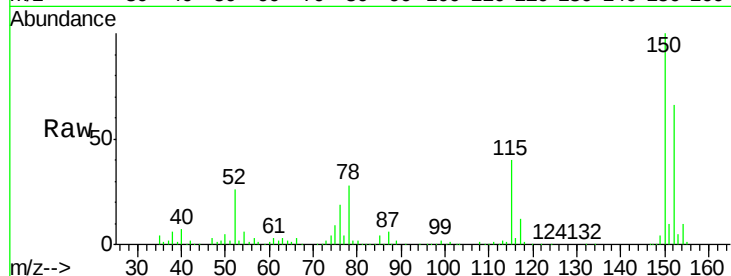
Tgt Ion:152 Resp: 60678

Ion Ratio Lower Upper

152 100

115 57.2 39.8 119.3

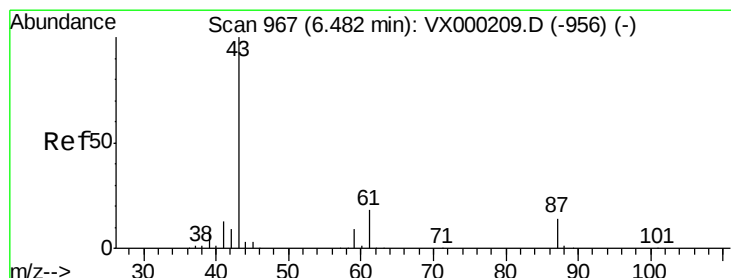
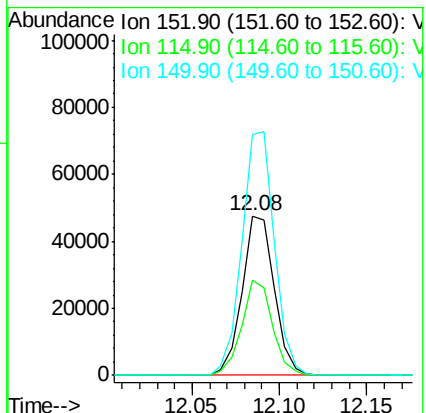
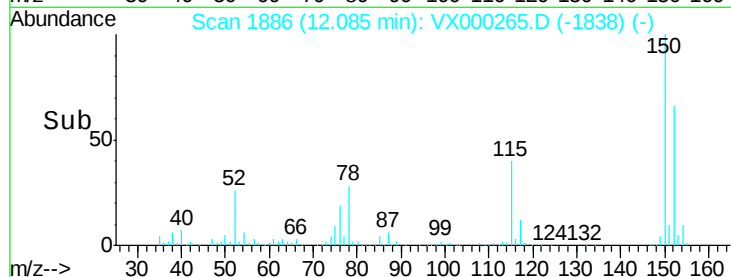
150 154.7 0.0 345.0



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



#74

N-ethyl acetate

Concen: 0.61 ug/l

RT: 6.49 min Scan# 969

Delta R.T. 0.01 min

Lab File: VX000265.D

Acq: 09 Mar 2018 19:24

Tgt Ion: 43 Resp: 1177

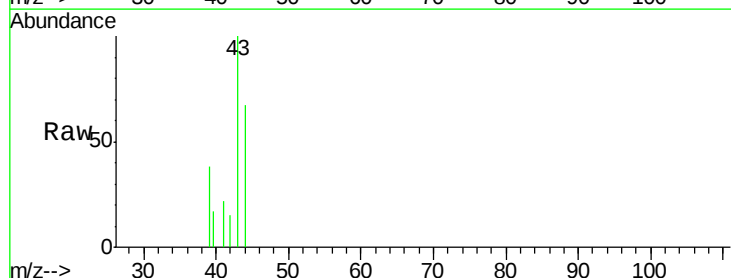
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.8 22.2#

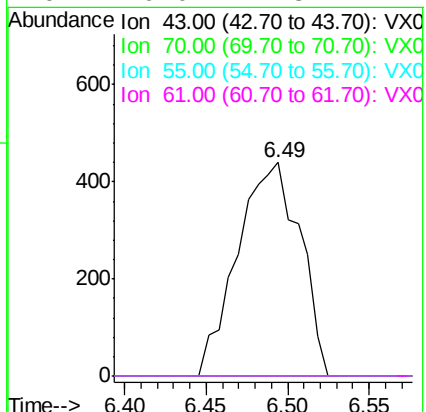
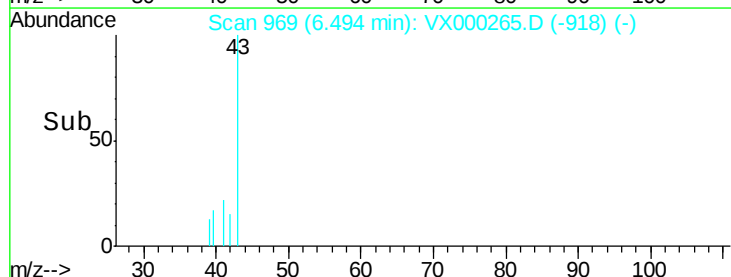


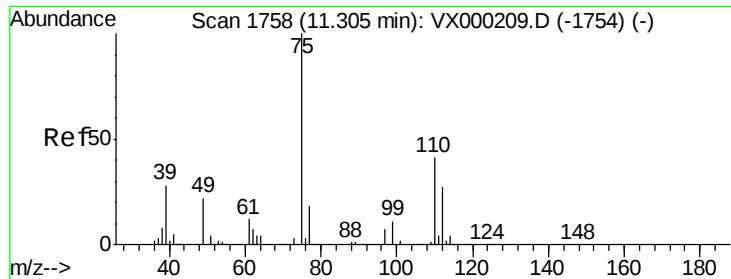
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 25.37 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000265.D

Acq: 09 Mar 2018 19:24

Instrument :

MSVOA_X

ClientSampleId :

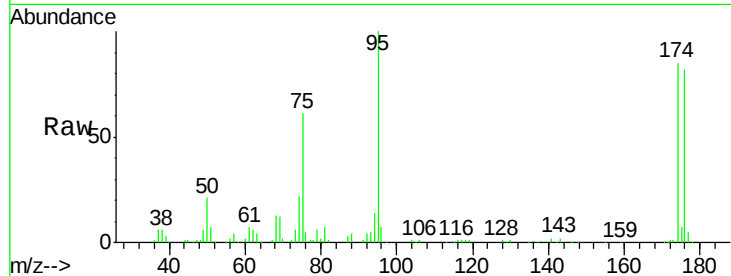
OK-03-030818

Tgt Ion: 75 Resp: 30852

Ion Ratio Lower Upper

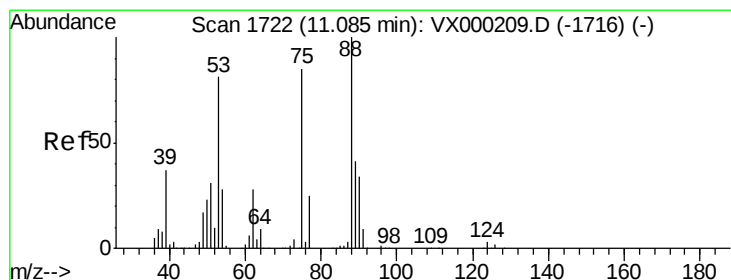
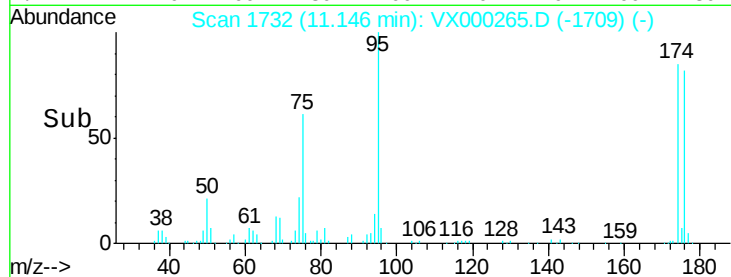
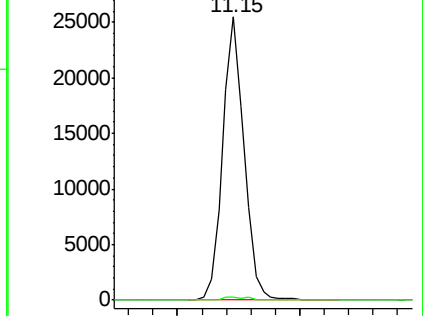
75 100

77 1.3 22.3 66.8#



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: 77.67 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000265.D

Acq: 09 Mar 2018 19:24

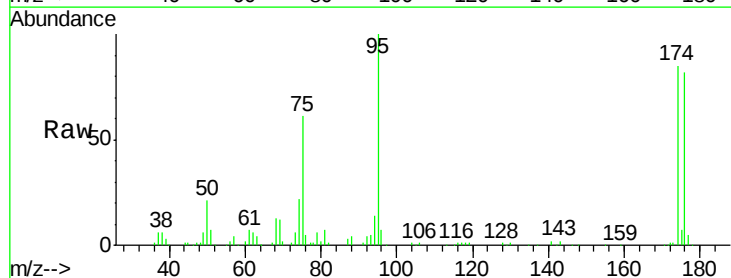
Tgt Ion: 75 Resp: 30852

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

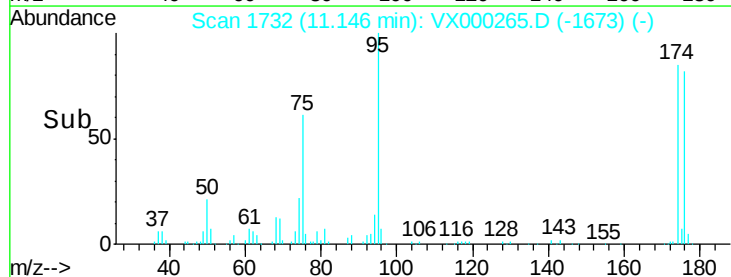
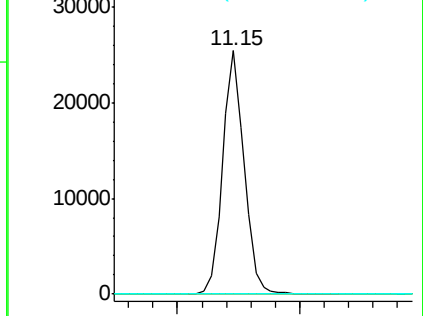
89 0.0 38.8 58.2#

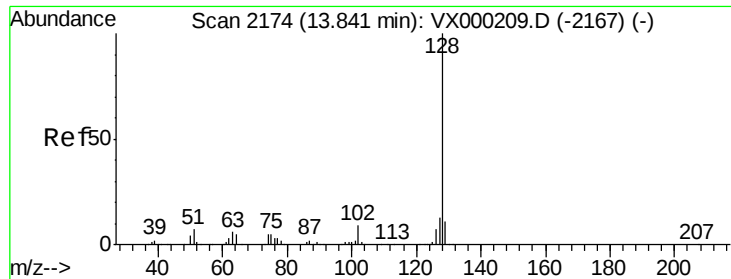


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

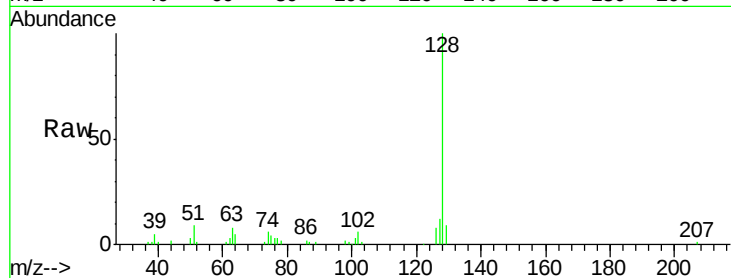




#95
 Naphthalene
 Concen: 3.71 ug/l
 RT: 13.85 min Scan# 2175
 Delta R.T. 0.01 min
 Lab File: VX000265.D
 Acq: 09 Mar 2018 19:24

Instrument :
 MSVOA_X
 ClientSampleId :
 OK-03-030818

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.3	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

