

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091618\
 Data File : VW005419.D
 Acq On : 15 Sep 2018 07:44
 Operator : SY/AP
 Sample : J4774-03
 Misc : 5.64G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-091418

Quant Time: Sep 17 00:58:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	227452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	379504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	353316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	159074	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	112081	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
35) Dibromofluoromethane	7.89	113	91542	43.02	ug/l	0.00
Spiked Amount			Recovery	=	86.04%	
50) Toluene-d8	10.33	98	353123	36.24	ug/l	0.00
Spiked Amount			Recovery	=	72.48%	
62) 4-Bromofluorobenzene	12.62	95	136671	38.25	ug/l	0.00
Spiked Amount			Recovery	=	76.50%	

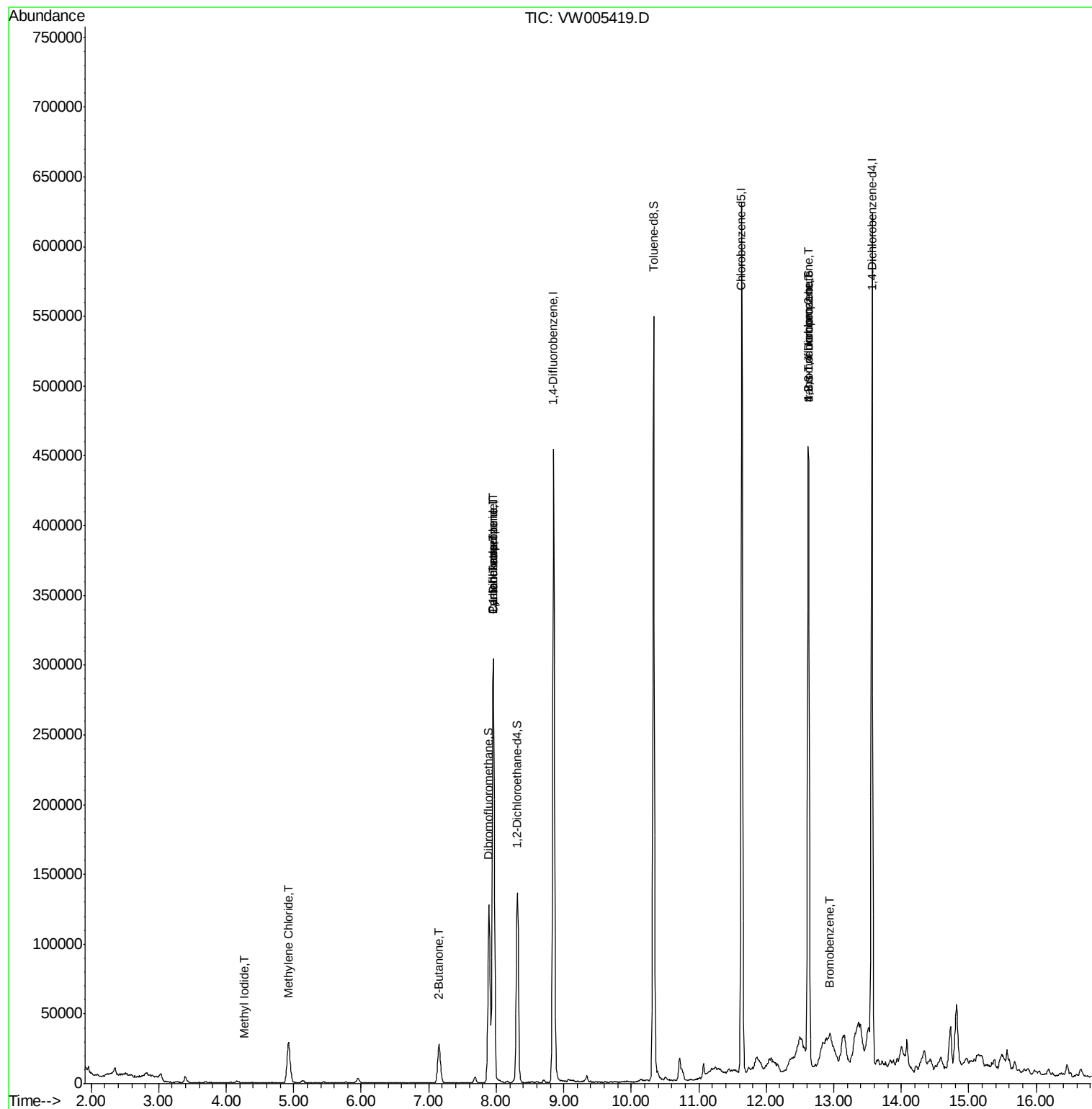
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	685	Below Cal		78
5) Bromomethane	2.77	94	190	Below Cal		82
10) Methyl Iodide	4.27	142	231	4.137 ug/l #		38
11) Tert butyl alcohol	5.22	59	168	Below Cal #		71
16) Acetone	4.15	43	2553	Below Cal #		81
20) Methylene Chloride	4.92	84	22078	4.163 ug/l		94
25) 2-Butanone	7.15	43	1920	3.381 ug/l #		49
31) Cyclohexane	7.96	56	5755	1.527 ug/l #		1
36) 1,1-Dichloropropene	7.96	75	17953	4.999 ug/l #		50
38) Carbon Tetrachloride	7.96	117	22266	5.949 ug/l #		16
76) 1,2,3-Trichloropropane	12.62	75	73443	56.134 ug/l #		100
77) Bromobenzene	12.95	156	19242	7.293 ug/l #		1
81) trans-1,4-Dichloro-2-buten	12.62	75	73443	145.616 ug/l #		8

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

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QLast Update : Sat Sep 15 02:32:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005419.D

Acq: 15 Sep 2018 07:44

Instrument :

MSVOA_W

ClientSampleId :

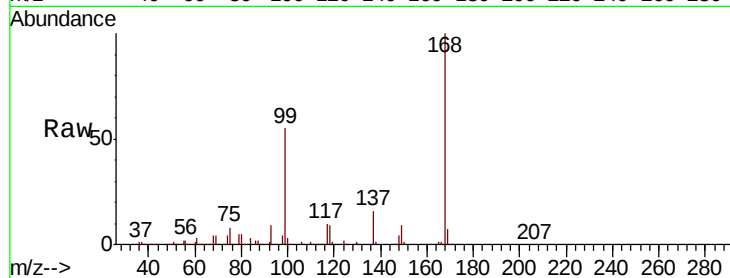
OK-01-091418

Tgt Ion:168 Resp: 227452

Ion Ratio Lower Upper

168 100

99 55.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

100000

80000

60000

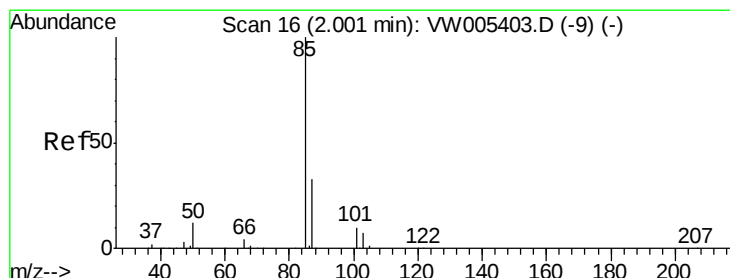
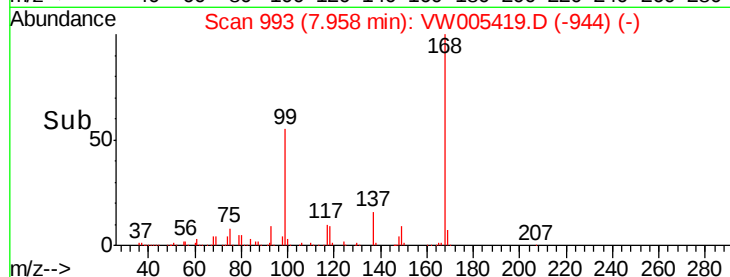
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005419.D

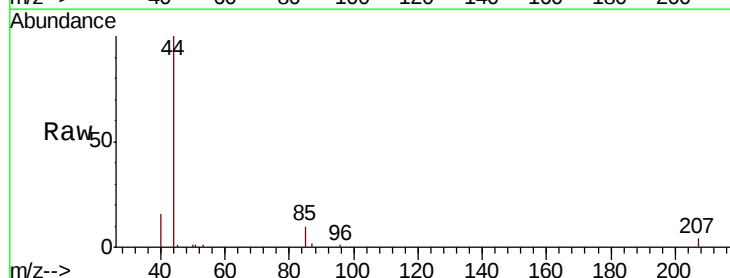
Acq: 15 Sep 2018 07:44

Tgt Ion: 85 Resp: 685

Ion Ratio Lower Upper

85 100

87 20.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

600

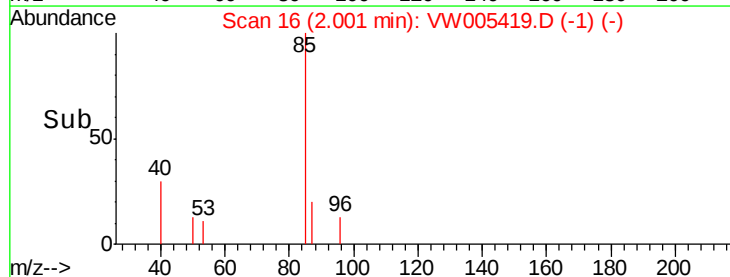
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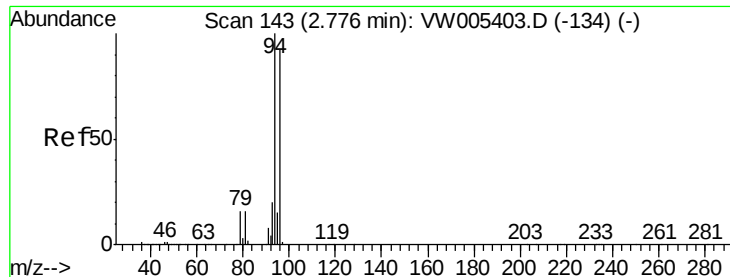
200

0

1.95 2.00 2.05

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW005419.D

Acq: 15 Sep 2018 07:44

Instrument :

MSVOA_W

ClientSampleId :

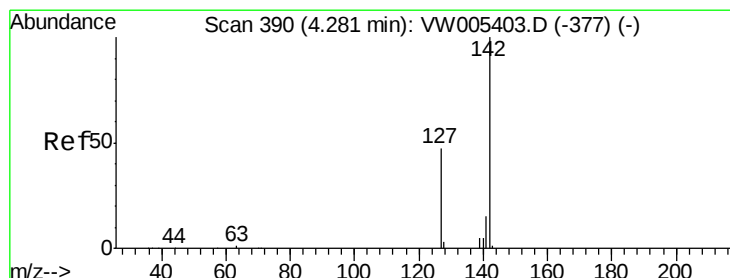
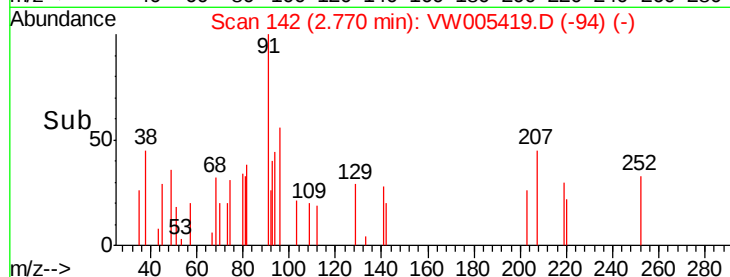
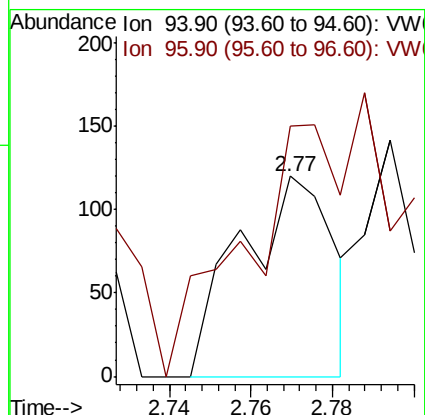
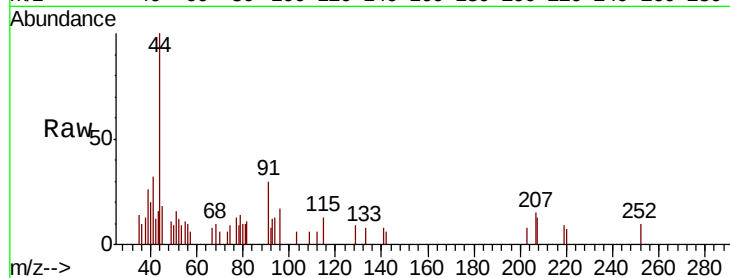
OK-01-091418

Tgt Ion: 94 Resp: 190

Ion Ratio Lower Upper

94 100

96 75.0 73.7 110.5



#10

Methyl Iodide

Concen: 4.137 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW005419.D

Acq: 15 Sep 2018 07:44

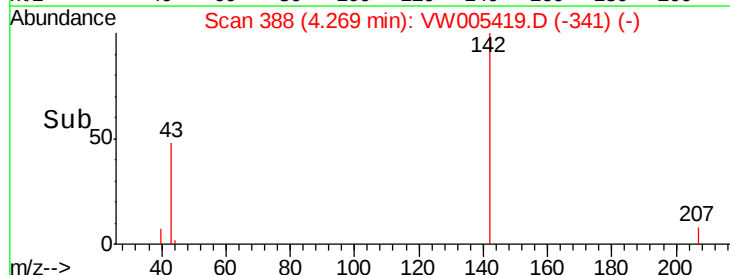
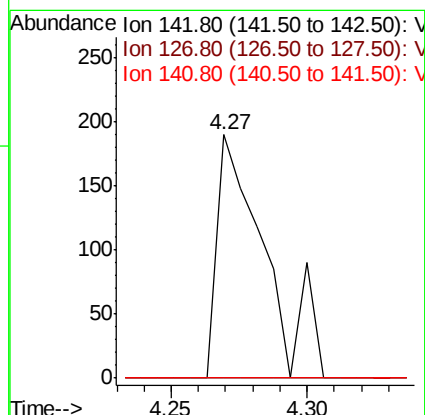
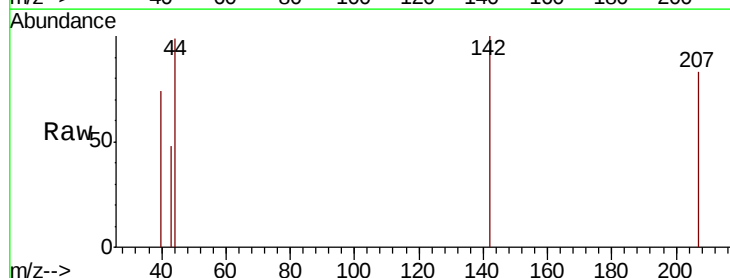
Tgt Ion: 142 Resp: 231

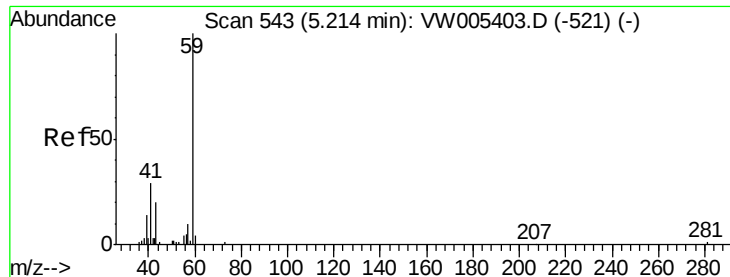
Ion Ratio Lower Upper

142 100

127 0.0 37.5 56.3#

141 0.0 12.4 18.6#

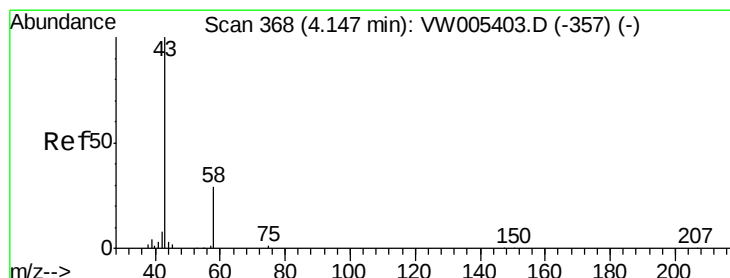
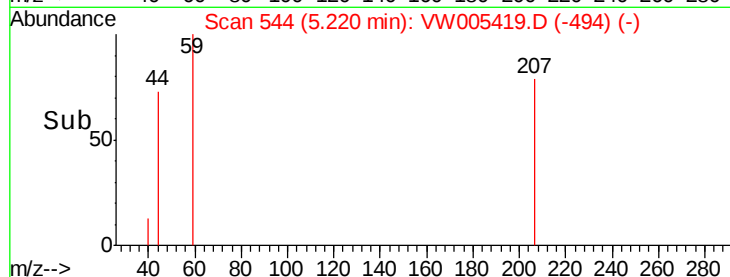
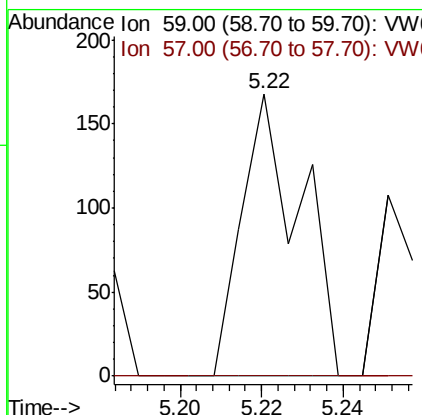
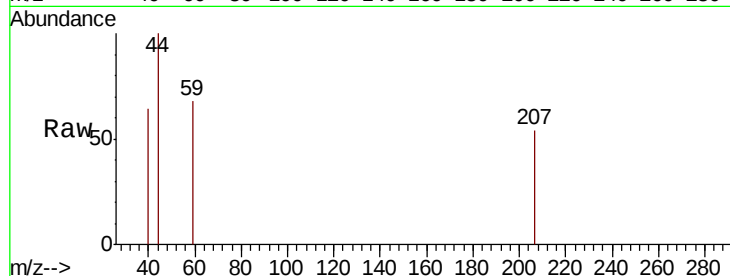




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 544
Delta R.T. 0.01 min
Lab File: VW005419.D
Acq: 15 Sep 2018 07:44

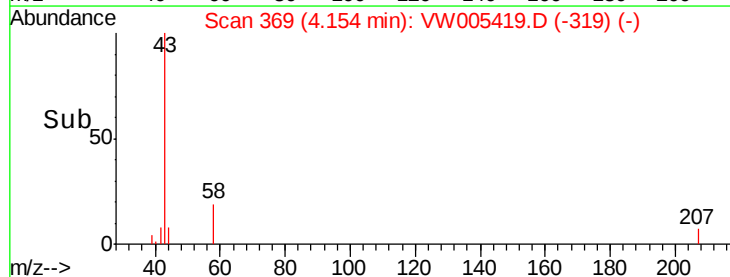
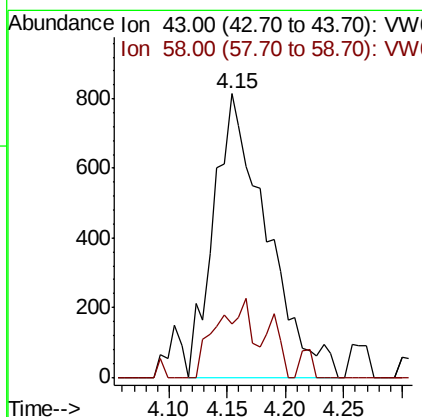
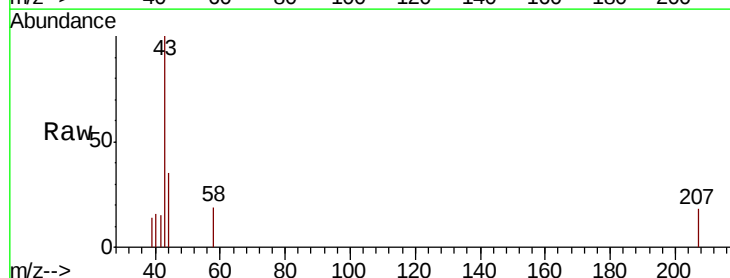
Instrument :
MSVOA_W
ClientSampleId :
OK-01-091418

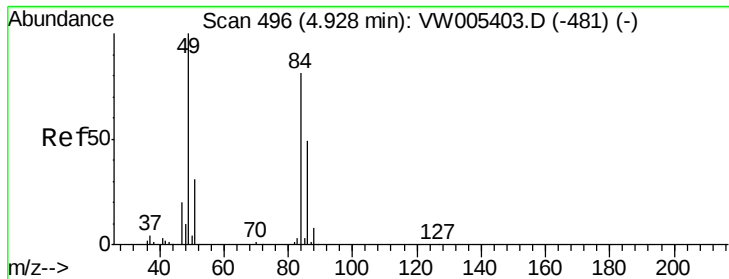
Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: Below Cal
RT: 4.15 min Scan# 369
Delta R.T. 0.01 min
Lab File: VW005419.D
Acq: 15 Sep 2018 07:44

Tgt Ion: 43 Resp: 2553
Ion Ratio Lower Upper
43 100
58 18.7 22.8 34.2#





#20

Methylene Chloride

Concen: 4.163 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.01 min

Lab File: VW005419.D

Acq: 15 Sep 2018 07:44

Instrument :

MSVOA_W

ClientSampleId :

OK-01-091418

Tgt Ion: 84 Resp: 22078

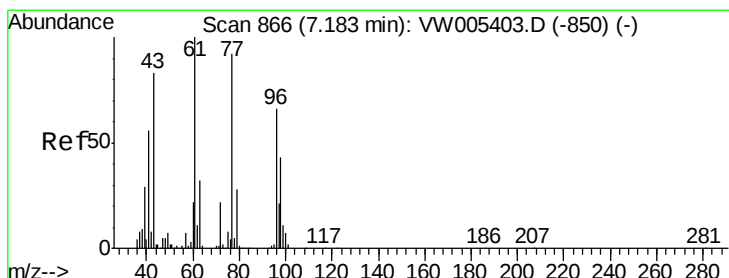
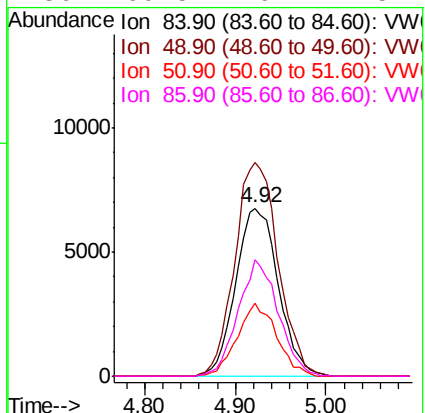
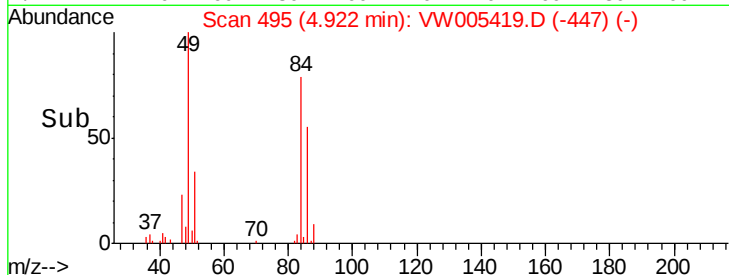
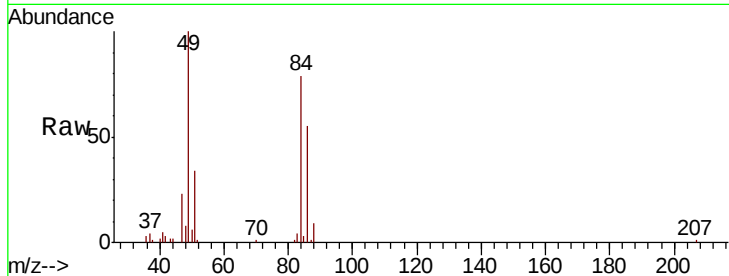
Ion Ratio Lower Upper

84 100

49 127.0 99.3 148.9

51 43.3 31.1 46.7

86 69.5 49.1 73.7



#25

2-Butanone

Concen: 3.381 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.03 min

Lab File: VW005419.D

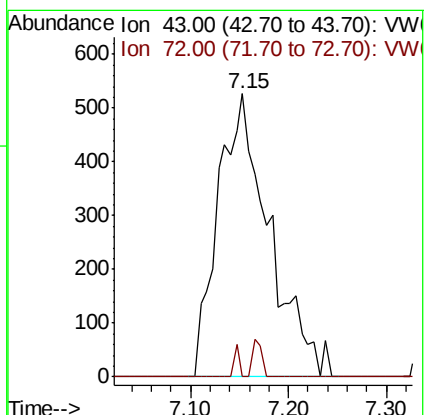
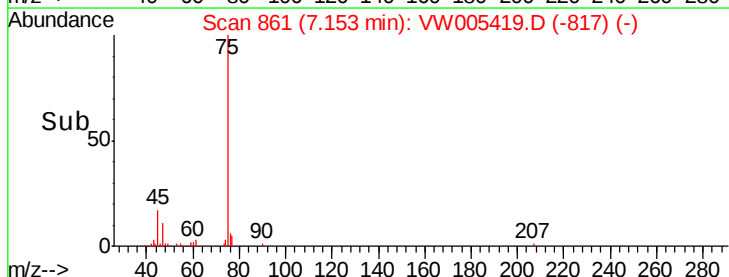
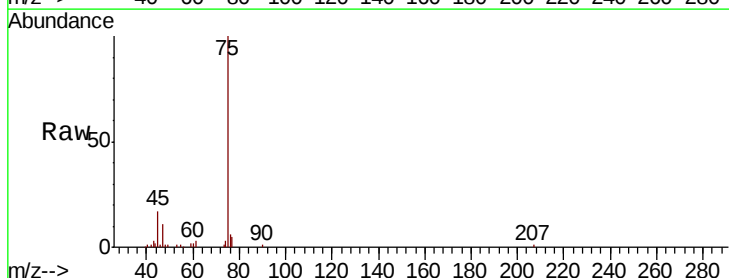
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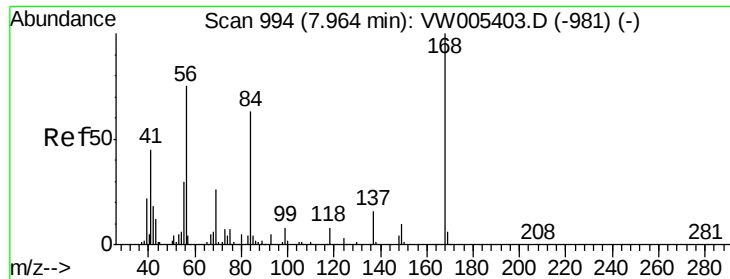
Tgt Ion: 43 Resp: 1920

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#

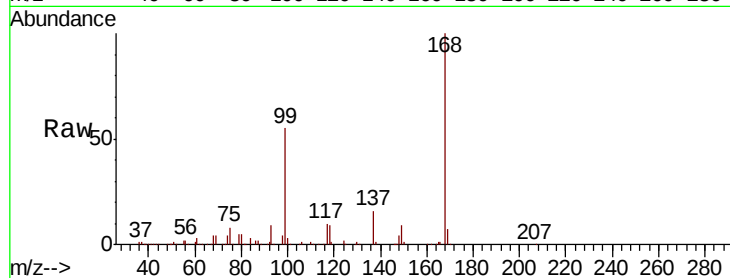




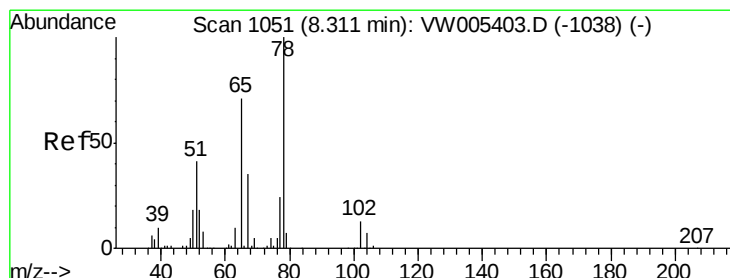
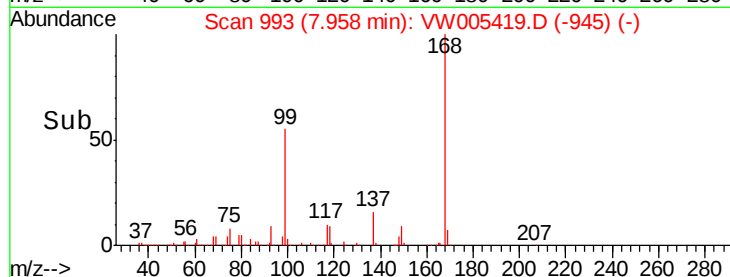
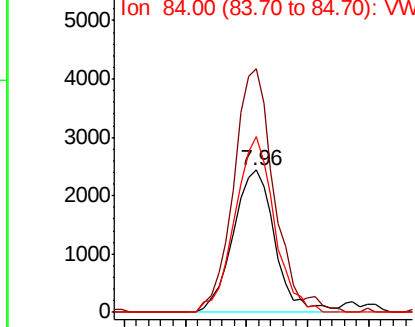
#31
Cyclohexane
Concen: 1.527 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005419.D
Acq: 15 Sep 2018 07:44

Instrument :
MSVOA_W
ClientSampleId :
OK-01-091418

Tgt Ion: 56 Resp: 5755
Ion Ratio Lower Upper
56 100
69 171.2 27.2 40.8#
84 123.8 66.7 100.1#

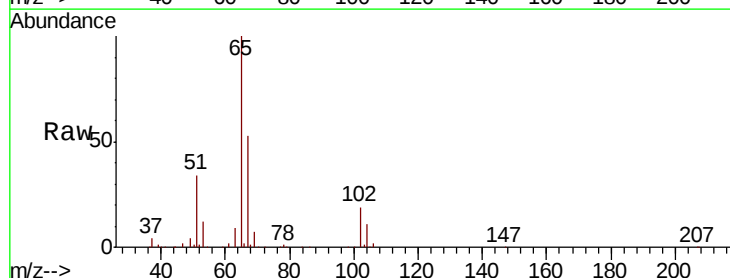


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

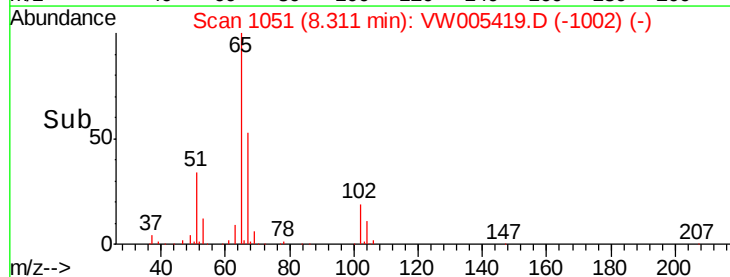
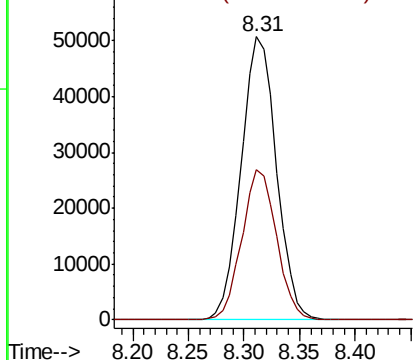


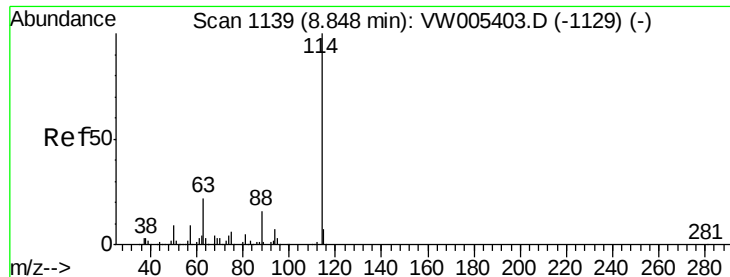
#33
1,2-Dichloroethane-d4
Concen: 47.473 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW005419.D
Acq: 15 Sep 2018 07:44

Tgt Ion: 65 Resp: 112081
Ion Ratio Lower Upper
65 100
67 52.4 0.0 100.6



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

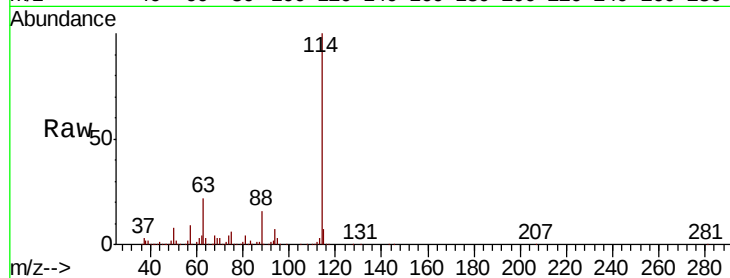




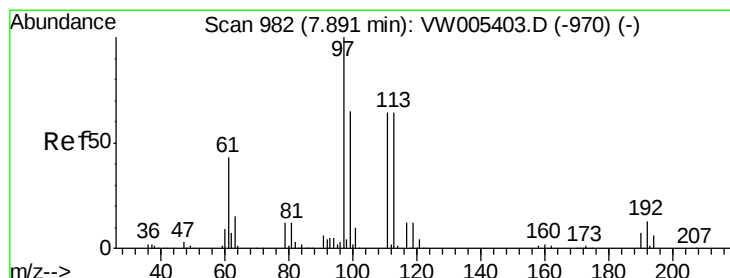
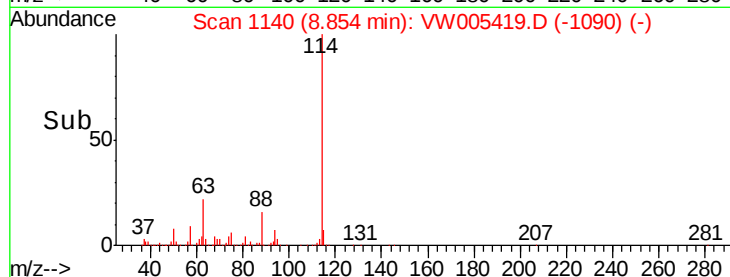
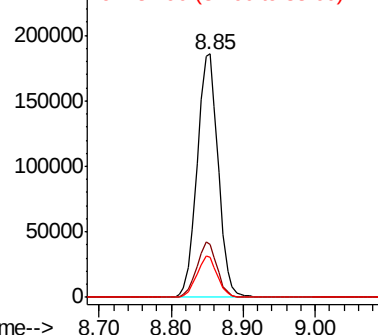
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005419.D
 Acq: 15 Sep 2018 07:44

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-091418

Tgt Ion:114 Resp: 379504
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.4
 88 16.2 0.0 31.8

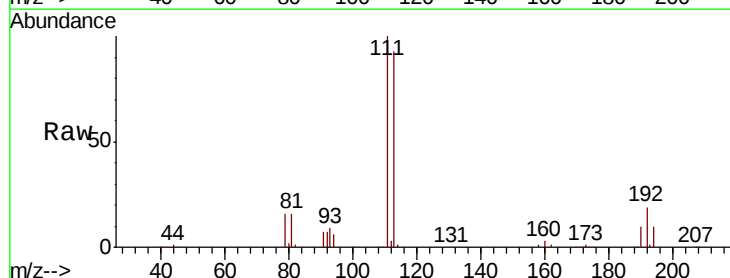


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

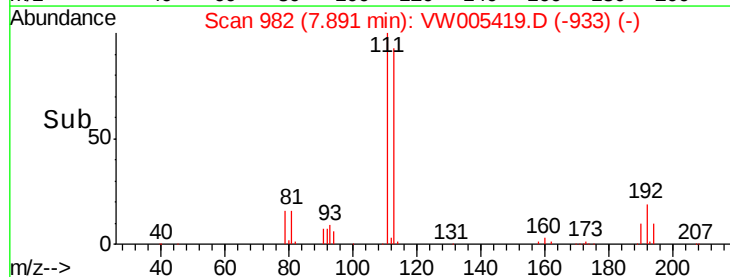
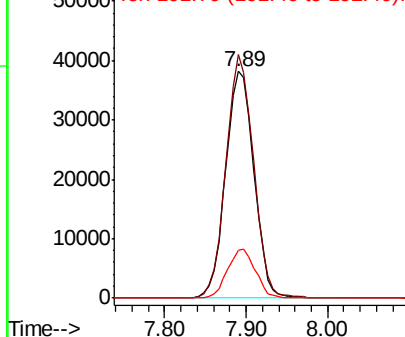


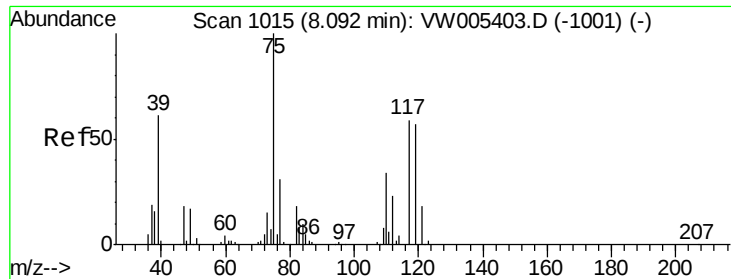
#35
 Dibromofluoromethane
 Concen: 43.021 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005419.D
 Acq: 15 Sep 2018 07:44

Tgt Ion:113 Resp: 91542
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.3 123.5
 192 21.2 16.5 24.7



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

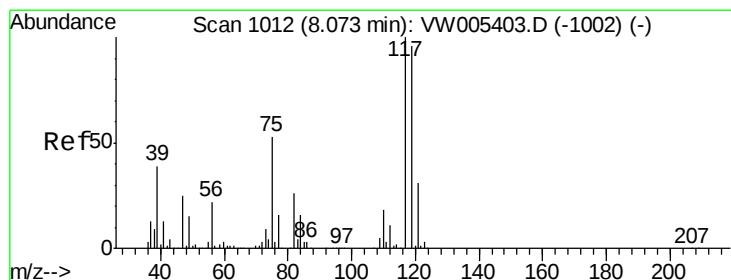
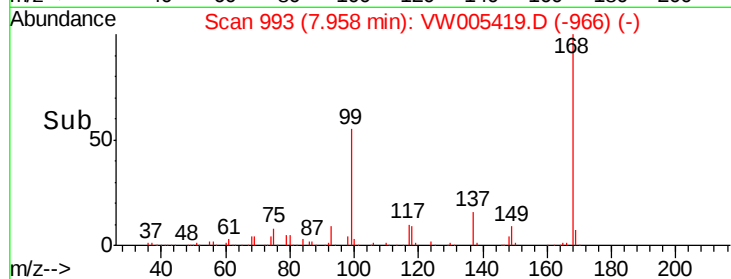
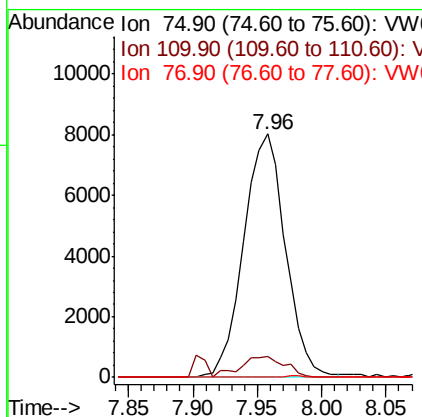
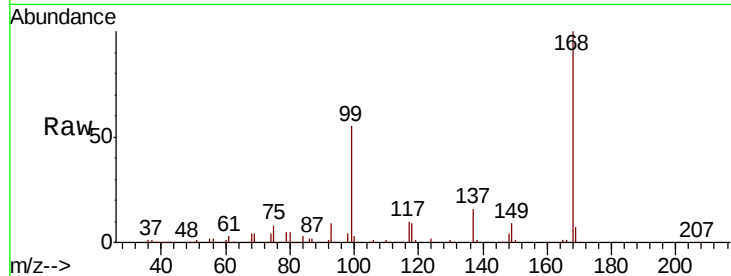




#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005419.D
 Acq: 15 Sep 2018 07:44

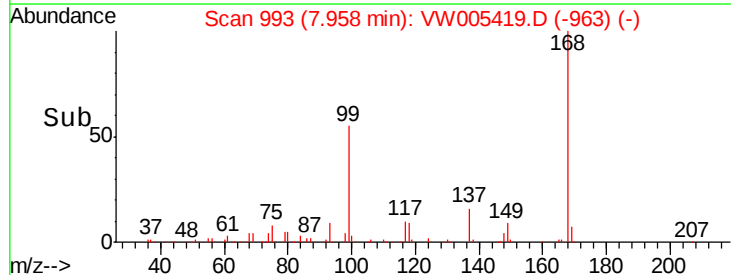
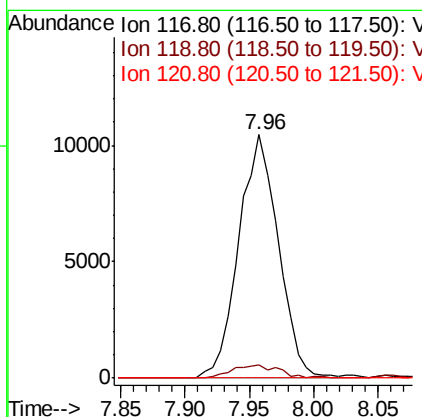
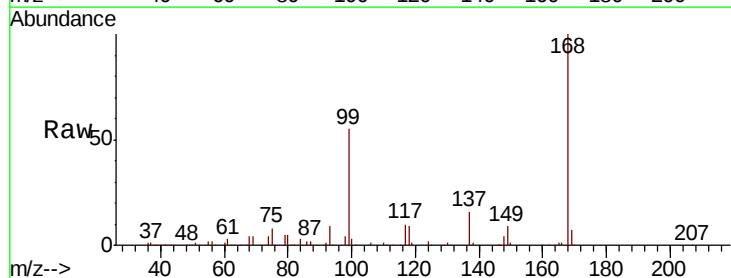
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-091418

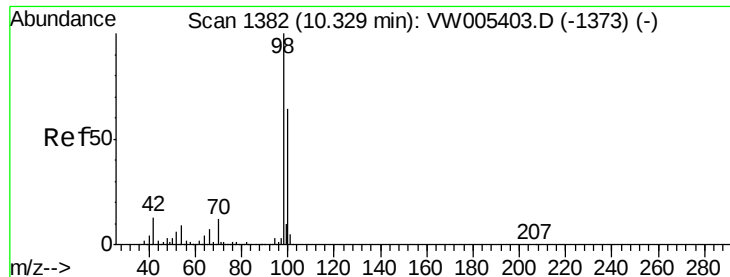
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.8	50.4#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.949 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005419.D
 Acq: 15 Sep 2018 07:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.8	115.2#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 36.238 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005419.D

Acq: 15 Sep 2018 07:44

Instrument :

MSVOA_W

ClientSampleId :

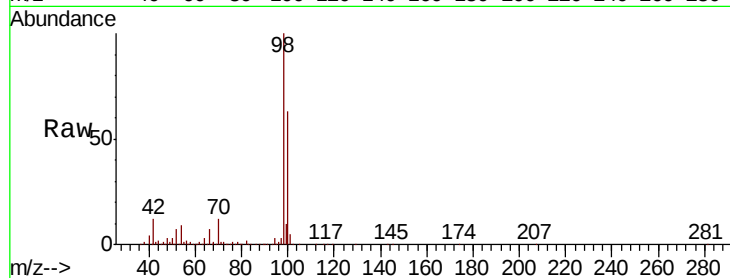
OK-01-091418

Tgt Ion: 98 Resp: 353123

Ion Ratio Lower Upper

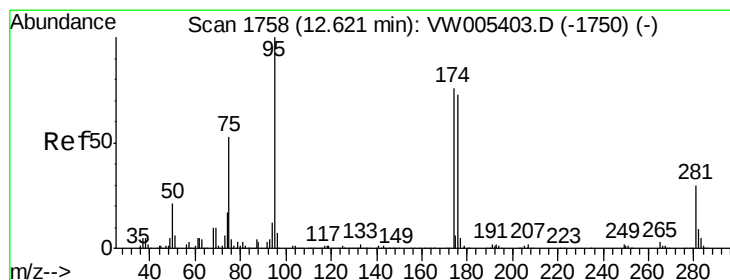
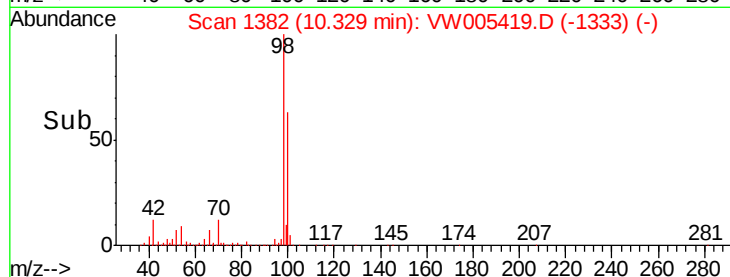
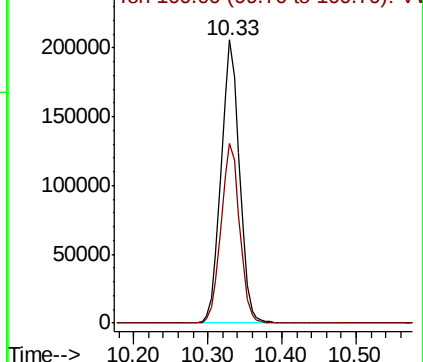
98 100

100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 38.251 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005419.D

Acq: 15 Sep 2018 07:44

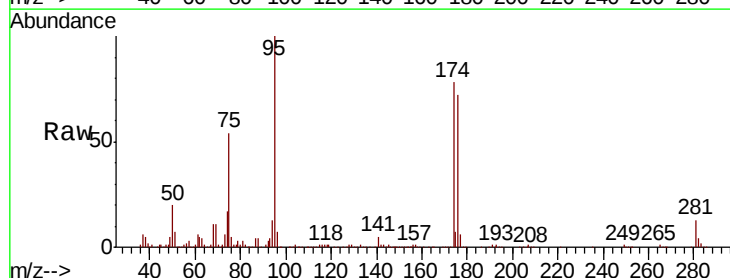
Tgt Ion: 95 Resp: 136671

Ion Ratio Lower Upper

95 100

174 81.8 0.0 161.2

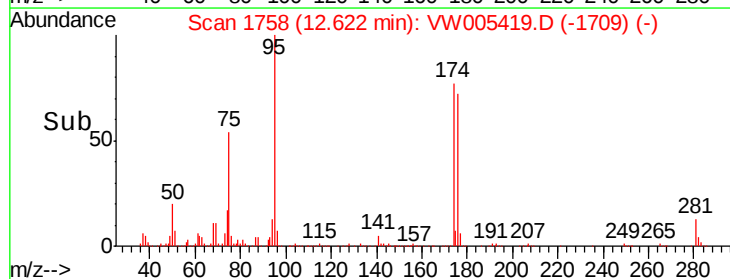
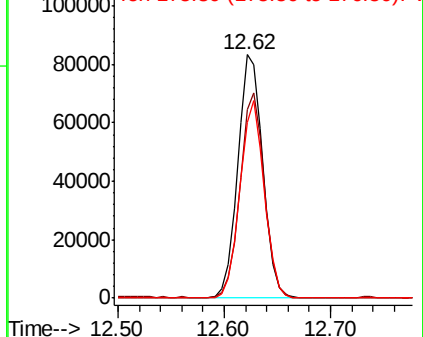
176 79.2 0.0 156.6

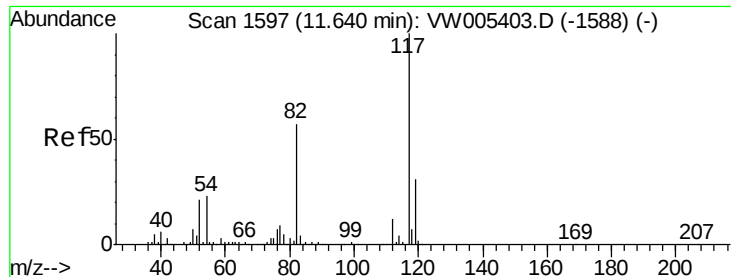


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VW005419.D

Acq: 15 Sep 2018 07:44

Instrument :

MSVOA_W

ClientSampleId :

OK-01-091418

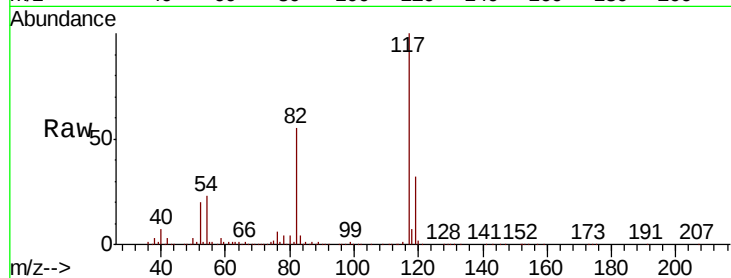
Tgt Ion:117 Resp: 353316

Ion Ratio Lower Upper

117 100

82 54.9 45.9 68.9

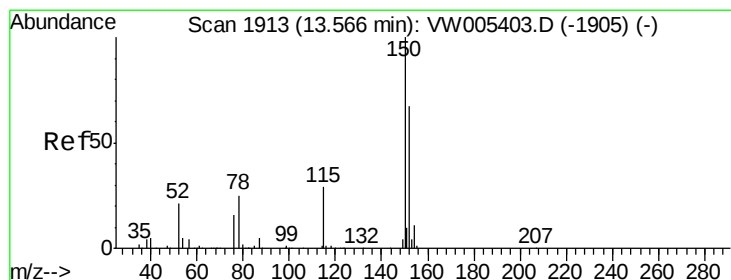
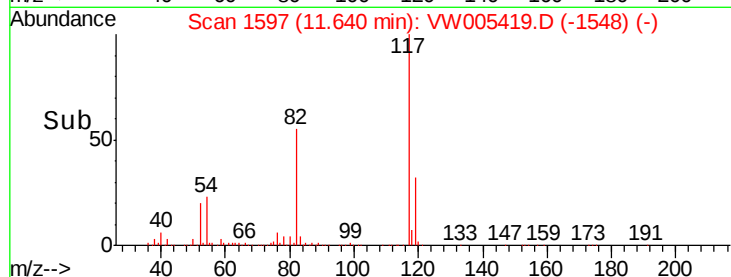
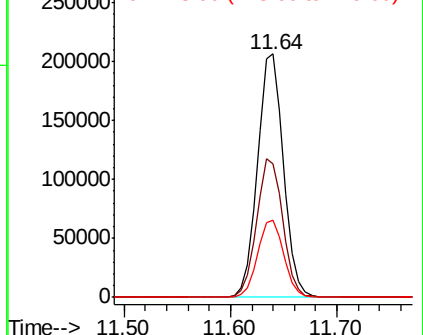
119 31.9 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005419.D

Acq: 15 Sep 2018 07:44

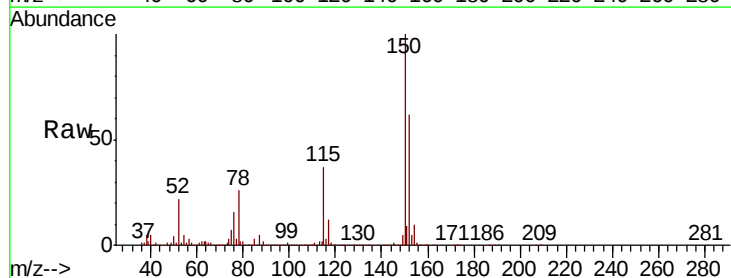
Tgt Ion:152 Resp: 159074

Ion Ratio Lower Upper

152 100

115 60.9 29.5 88.5

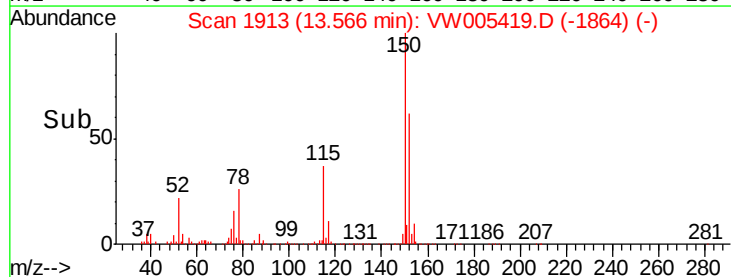
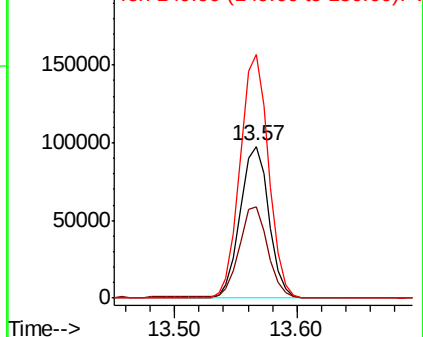
150 159.0 0.0 345.6

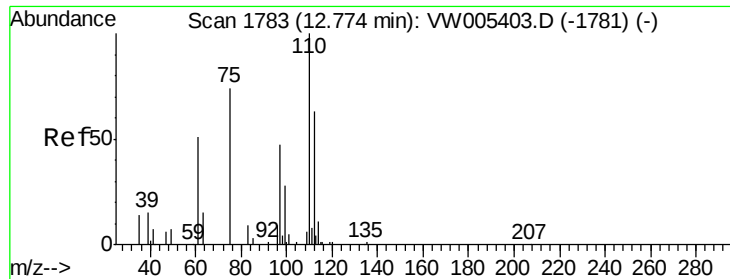


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

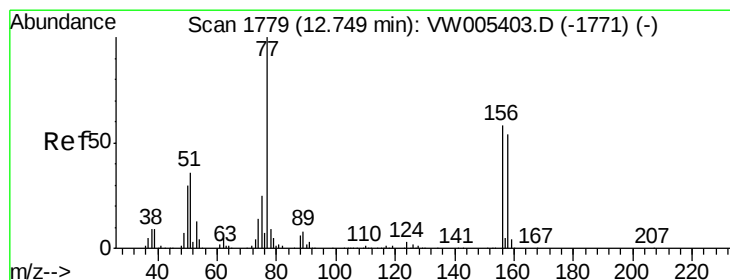
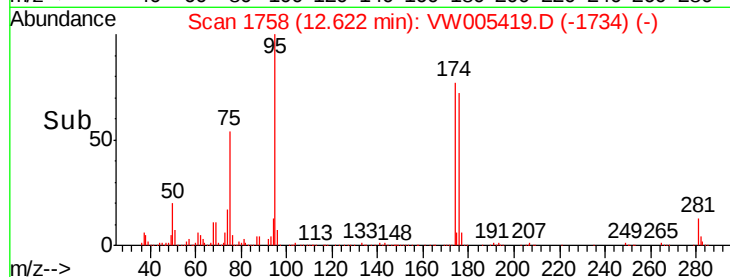
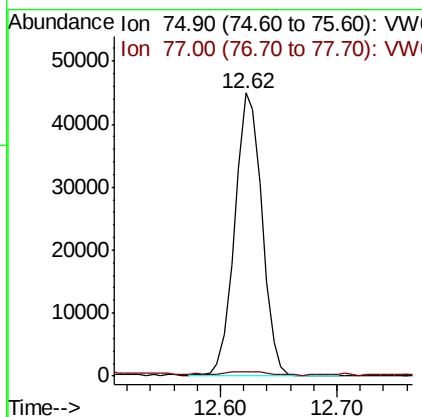
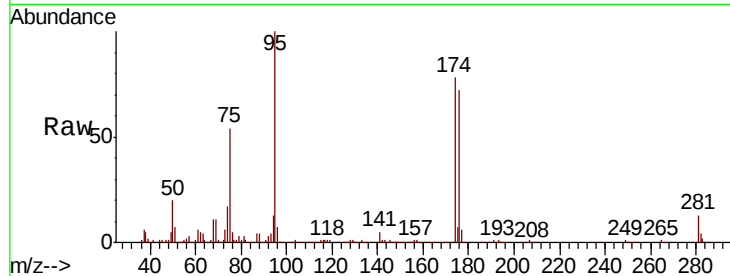




#76
 1,2,3-Trichloropropane
 Concen: 56.134 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005419.D
 Acq: 15 Sep 2018 07:44

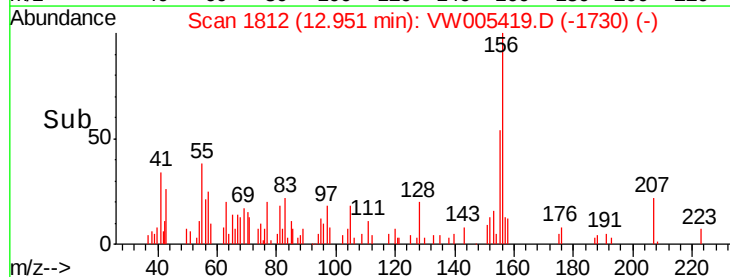
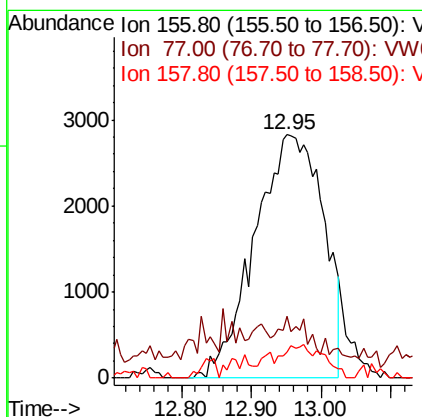
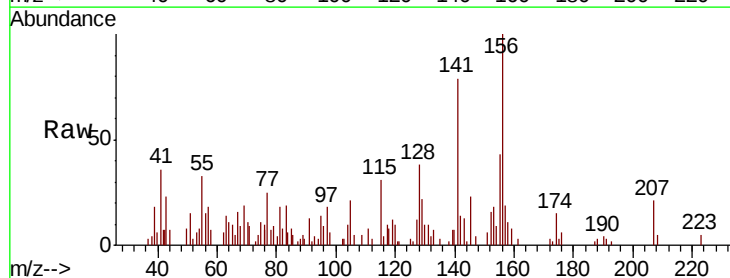
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-091418

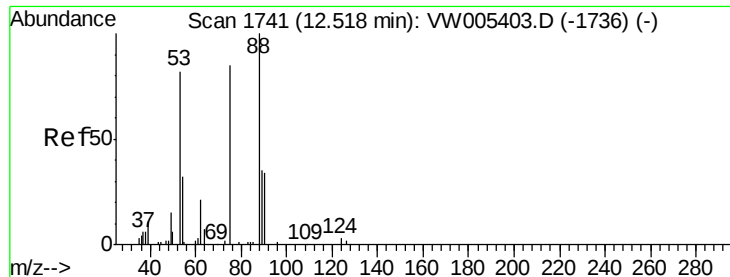
Tgt Ion: 75 Resp: 73443
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#77
 Bromobenzene
 Concen: 7.293 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.20 min
 Lab File: VW005419.D
 Acq: 15 Sep 2018 07:44

Tgt Ion: 156 Resp: 19242
 Ion Ratio Lower Upper
 156 100
 77 5.4 92.8 278.3#
 158 0.0 48.2 144.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 145.616 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005419.D

Acq: 15 Sep 2018 07:44

Instrument :

MSVOA_W

ClientSampleId :

OK-01-091418

Tgt Ion: 75 Resp: 73443

Ion Ratio Lower Upper

75 100

53 0.2 83.2 124.8#

89 0.3 36.6 54.8#

