

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003924.D
 Acq On : 13 Jul 2018 19:20
 Operator : VA/AP
 Sample : J3825-01RE
 Misc : 5.98G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 23:54:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	207568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	354576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	302223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	124010	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	127652	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
35) Dibromofluoromethane	7.88	113	111643	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	
50) Toluene-d8	10.33	98	381148	40.15	ug/l	0.00
Spiked Amount			Recovery	=	80.30%	
62) 4-Bromofluorobenzene	12.62	95	116736	33.99	ug/l	0.00
Spiked Amount			Recovery	=	67.98%	

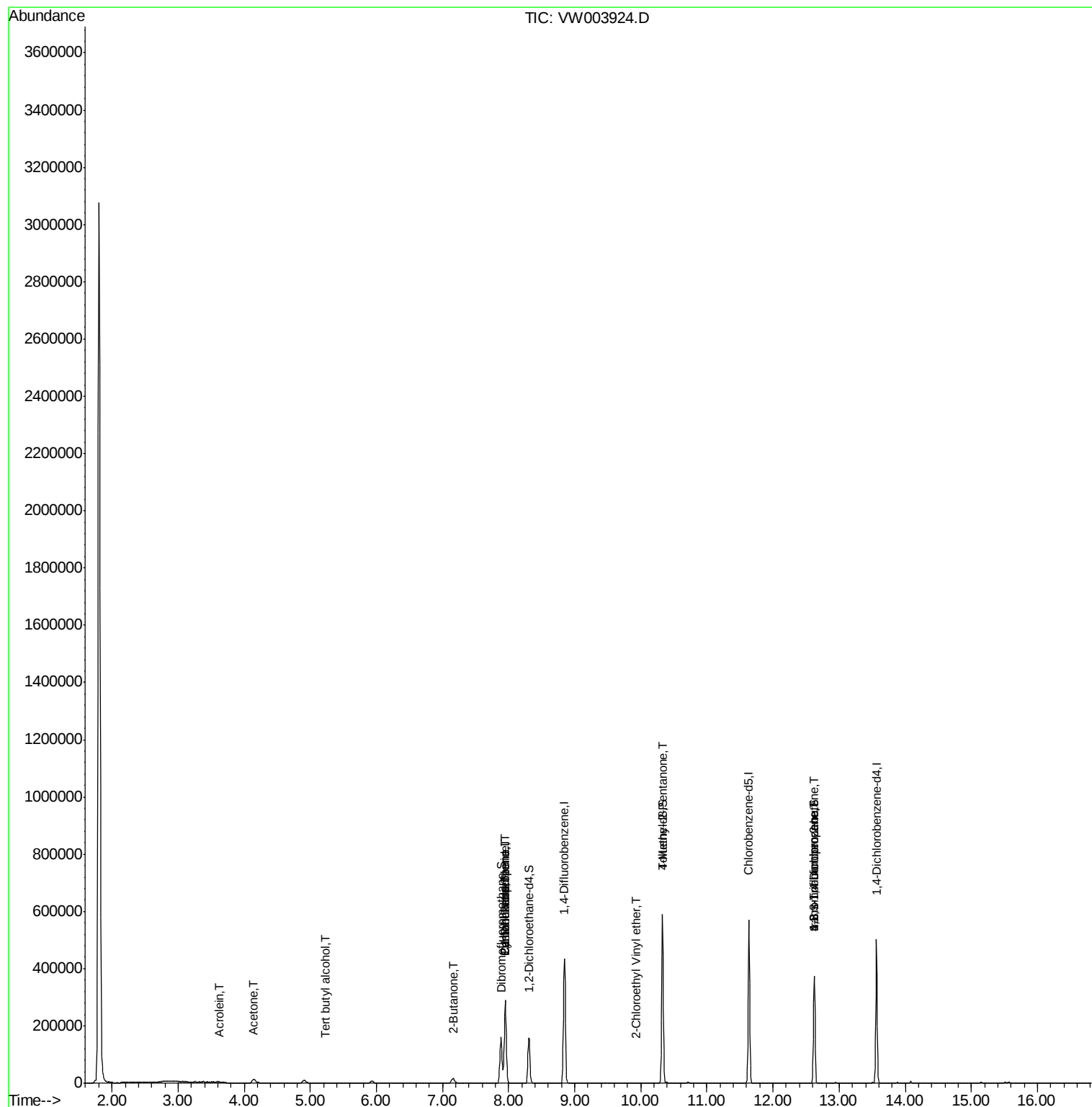
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	553	3.759	ug/l #	70
13) Acrolein	3.62	56	43	4.915	ug/l #	1
16) Acetone	4.14	43	28544	60.610	ug/l	93
20) Methylene Chloride	4.91	84	8137	Below Cal		96
25) 2-Butanone	7.17	43	1311	1.777	ug/l #	51
31) Cyclohexane	7.95	56	5406	1.365	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	17265	4.589	ug/l #	50
38) Carbon Tetrachloride	7.95	117	21000	5.871	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	1989	1.108	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	55	13.207	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	62628	51.429	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62628	125.807	ug/l #	8

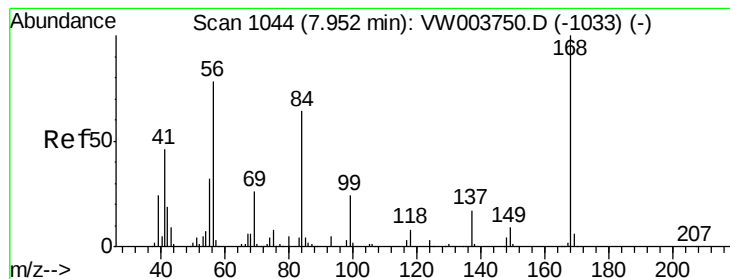
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003924.D

Acq: 13 Jul 2018 19:20

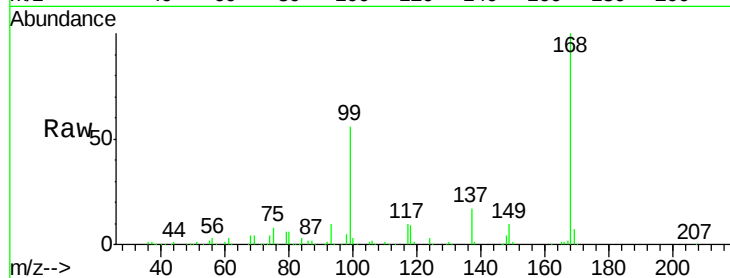
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 207568

Ion Ratio Lower Upper

168 100

99 56.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

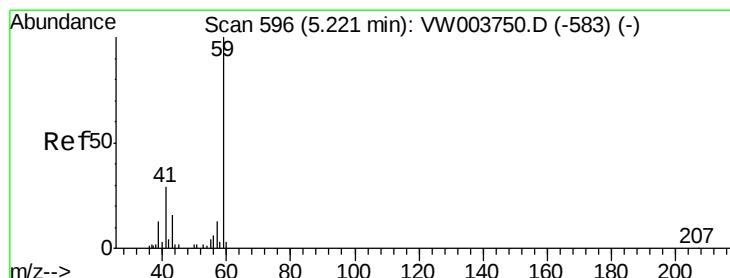
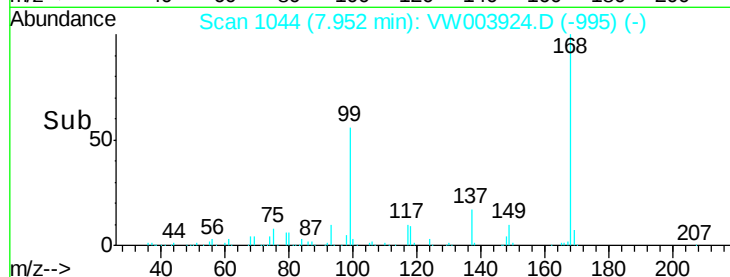
20000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: 3.759 ug/l

RT: 5.23 min Scan# 598

Delta R.T. 0.01 min

Lab File: VW003924.D

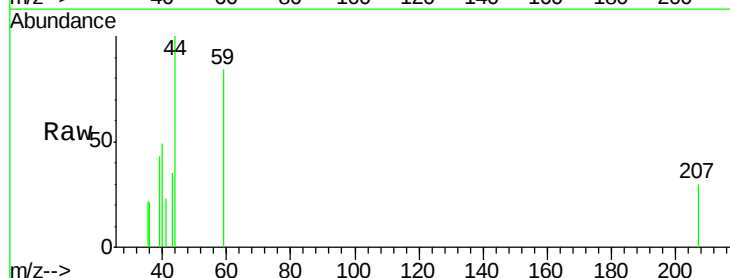
Acq: 13 Jul 2018 19:20

Tgt Ion: 59 Resp: 553

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

300

250

200

150

100

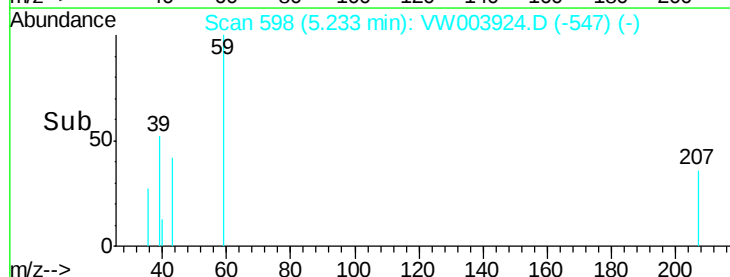
50

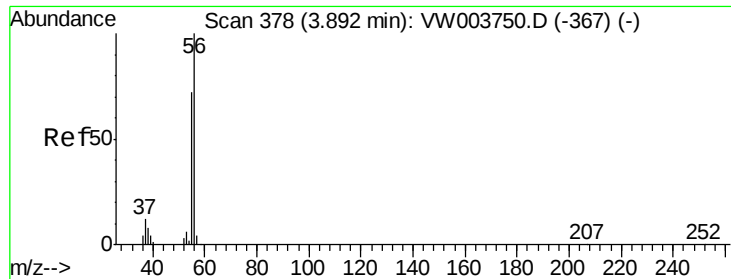
0

Time-->

5.20

5.25





#13

Acrolein

Concen: 4.915 ug/l

RT: 3.62 min Scan# 334

Delta R.T. -0.27 min

Lab File: VW003924.D

Acq: 13 Jul 2018 19:20

Instrument :

MSVOA_W

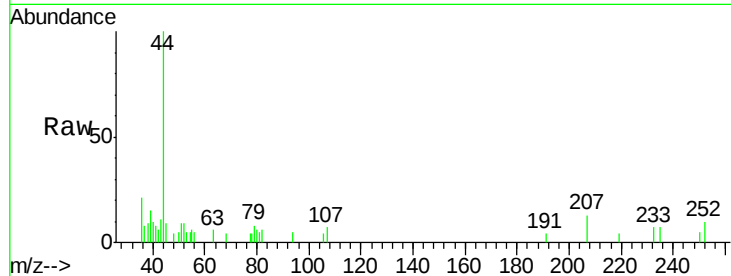
ClientSampleId :

Tot Ion: 56 Resp: 43

Ion Ratio Lower Upper

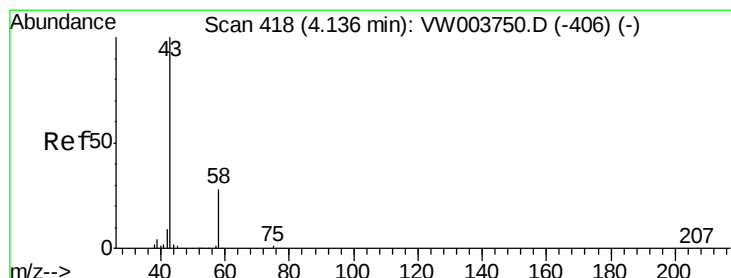
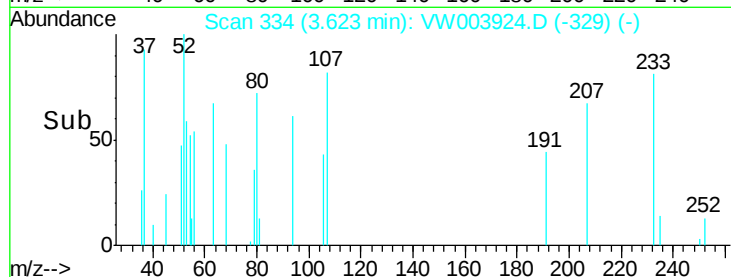
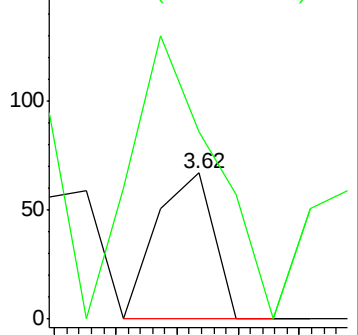
56 100

55 283.7 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 60.610 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW003924.D

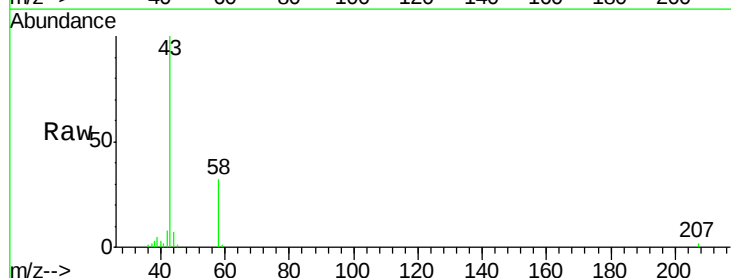
Acq: 13 Jul 2018 19:20

Tgt Ion: 43 Resp: 28544

Ion Ratio Lower Upper

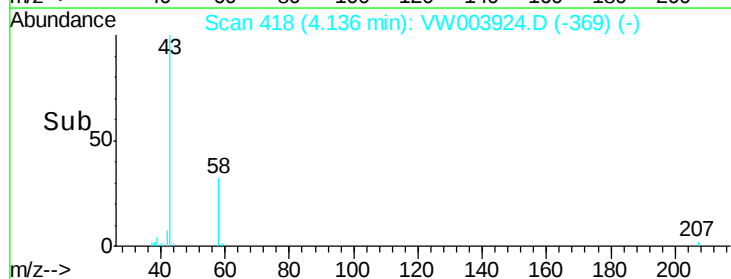
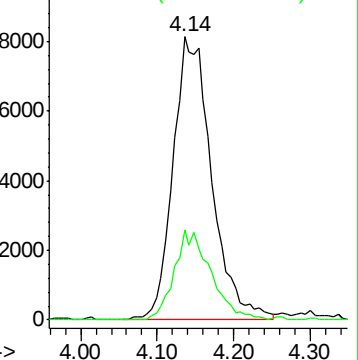
43 100

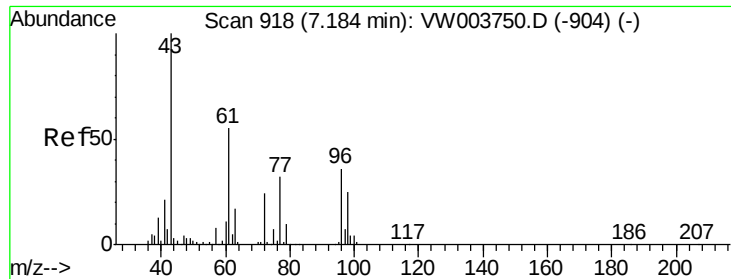
58 32.0 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 1.777 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.02 min

Lab File: VW003924.D

Acq: 13 Jul 2018 19:20

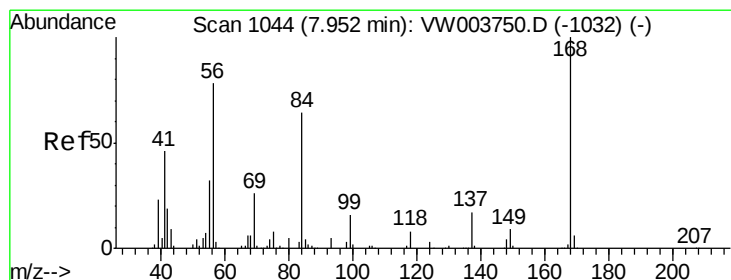
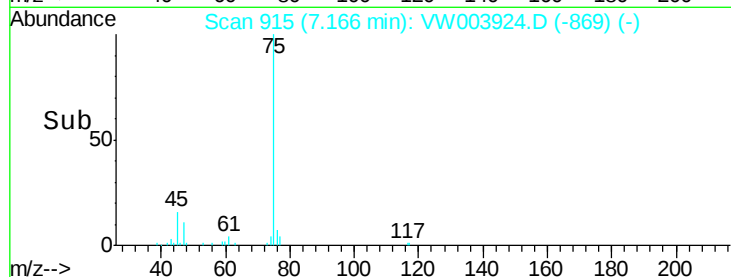
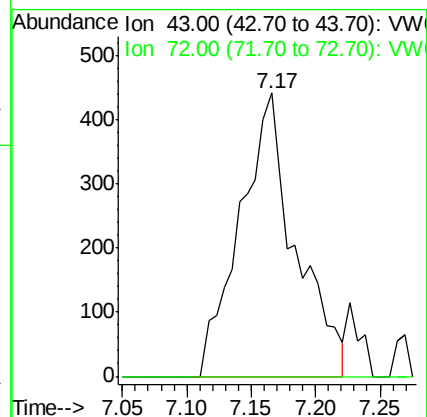
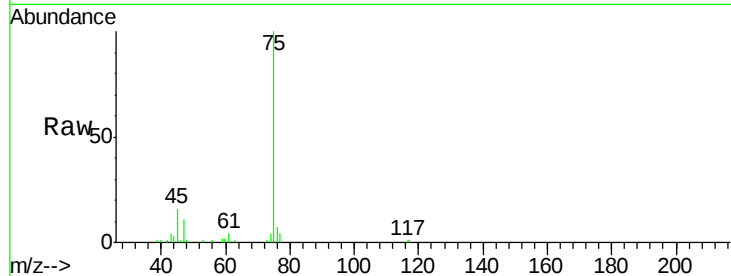
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1311

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#31

Cyclohexane

Concen: 1.365 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003924.D

Acq: 13 Jul 2018 19:20

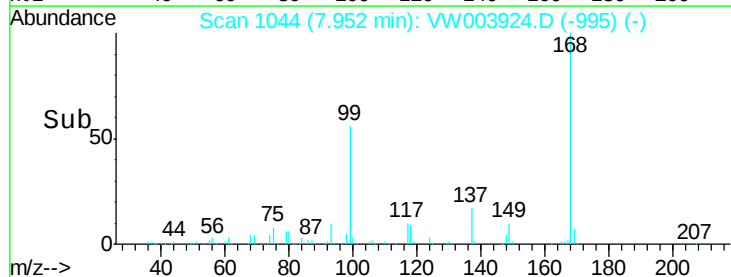
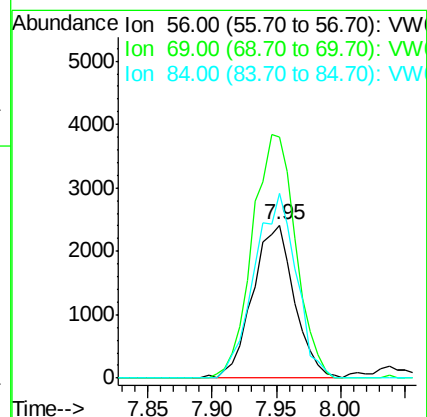
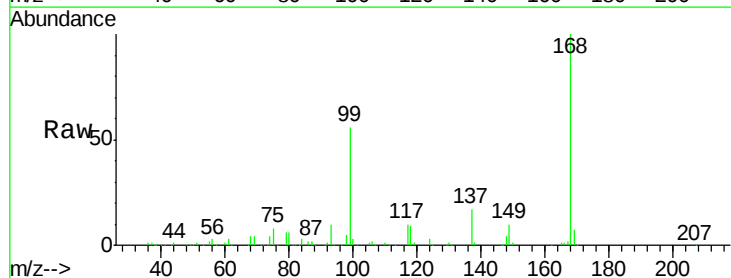
Tgt Ion: 56 Resp: 5406

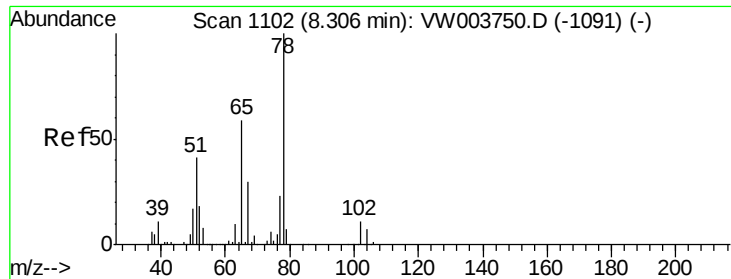
Ion Ratio Lower Upper

56 100

69 157.3 26.2 39.4#

84 120.3 65.5 98.3#





#33

1,2-Dichloroethane-d4

Concen: 47.027 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003924.D

Acq: 13 Jul 2018 19:20

Instrument :

MSVOA_W

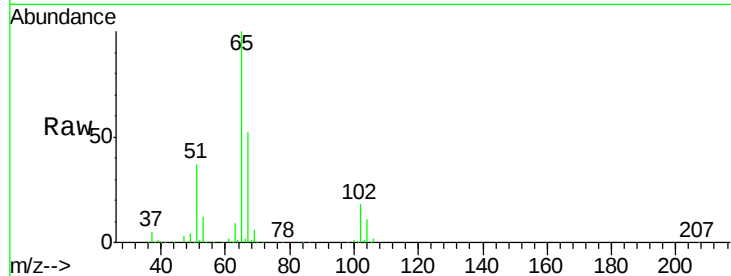
ClientSampleId :

Tot Ion: 65 Resp: 127652

Ion Ratio Lower Upper

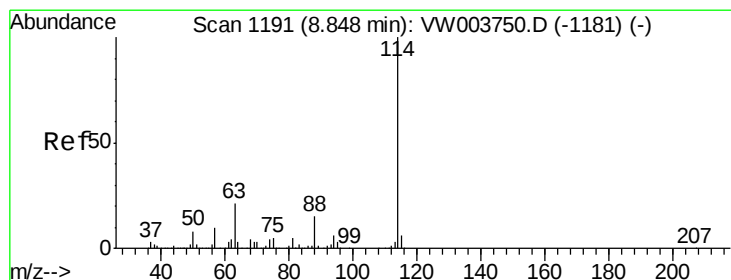
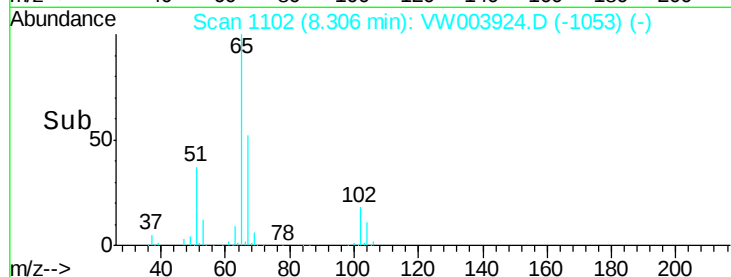
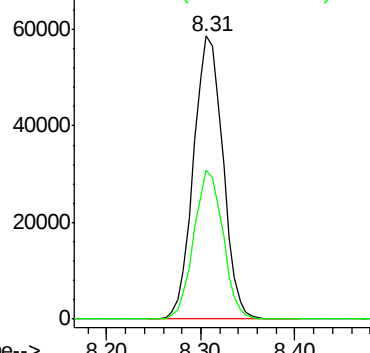
65 100

67 52.0 0.0 103.8



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# 1191

Delta R.T. 0.00 min

Lab File: VW003924.D

Acq: 13 Jul 2018 19:20

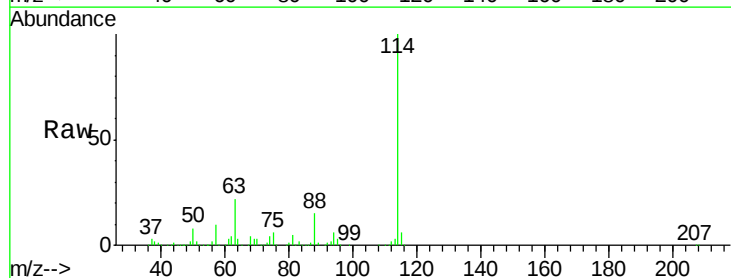
Tgt Ion: 114 Resp: 354576

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.8

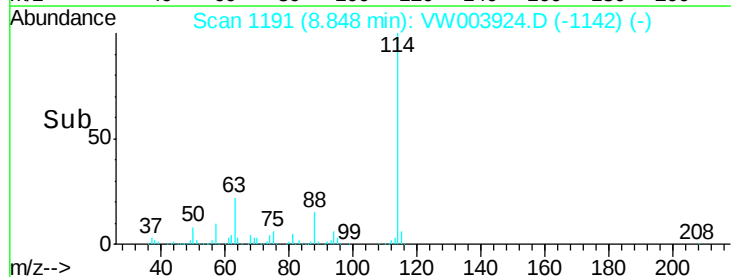
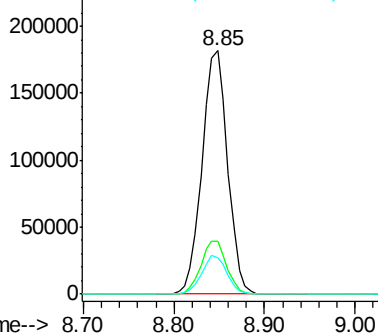
88 14.7 0.0 30.2

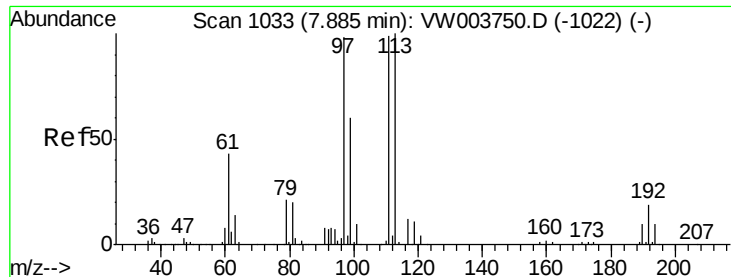


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

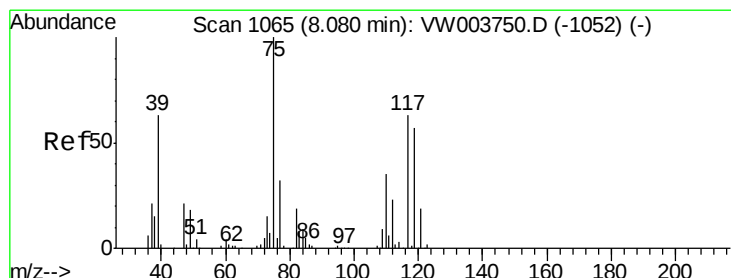
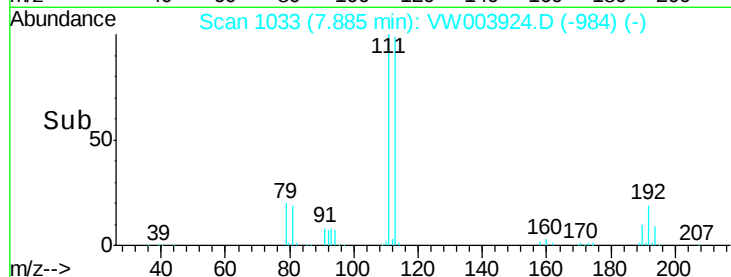
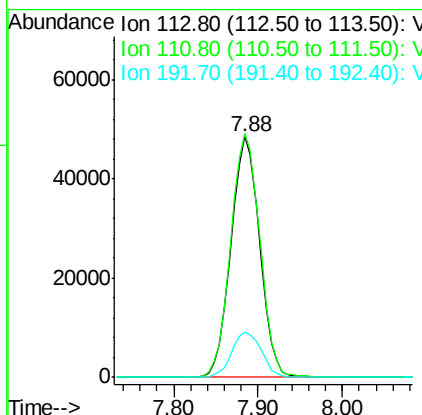
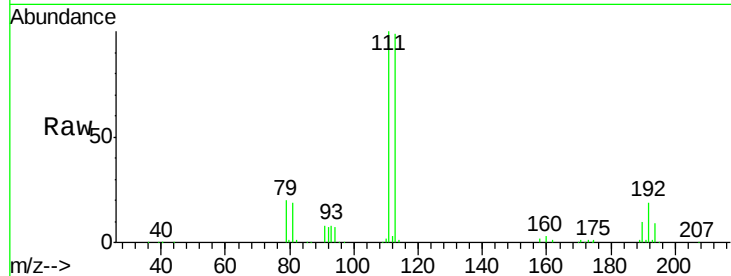




#35
 Dibromofluoromethane
 Concen: 44.988 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003924.D
 Acq: 13 Jul 2018 19:20

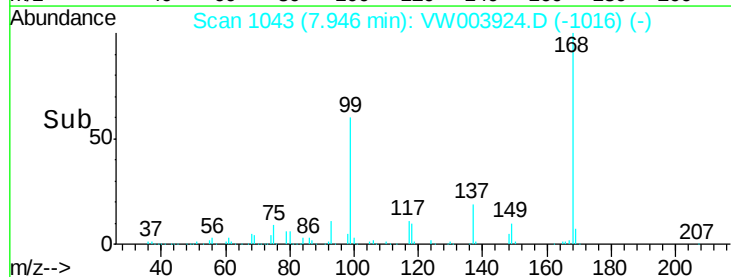
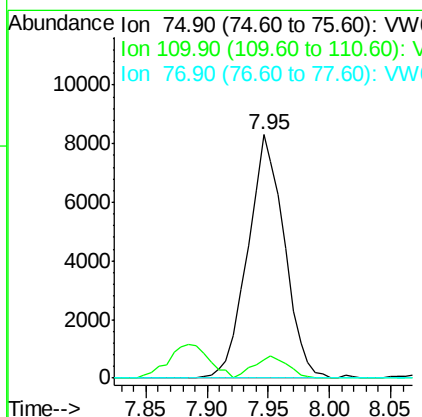
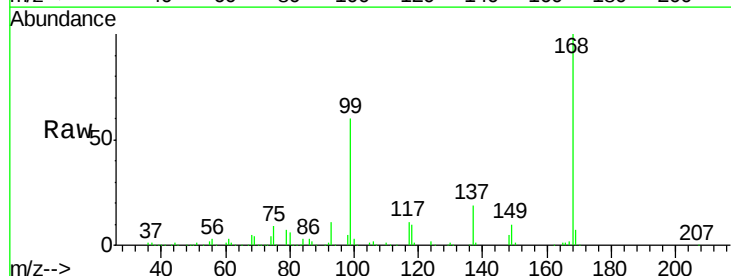
Instrument :
 MSVOA_W
 ClientSampled :

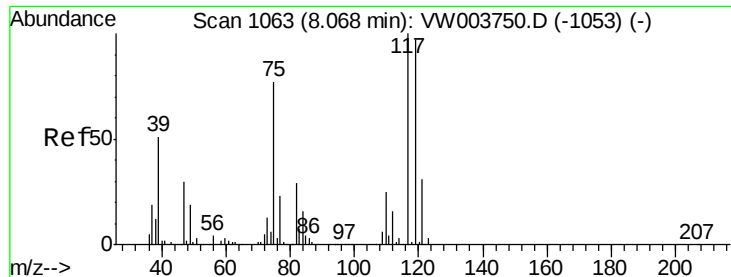
Tot Ion:113 Resp: 111643
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.7 122.5
 192 19.4 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.589 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003924.D
 Acq: 13 Jul 2018 19:20

Tgt Ion: 75 Resp: 17265
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.871 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003924.D

Acq: 13 Jul 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

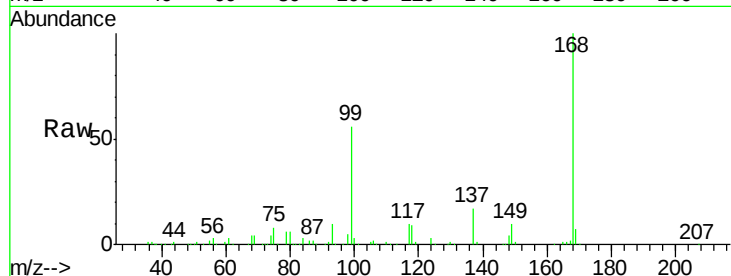
Tot Ion:117 Resp: 21000

Ion Ratio Lower Upper

117 100

119 5.9 77.4 116.2#

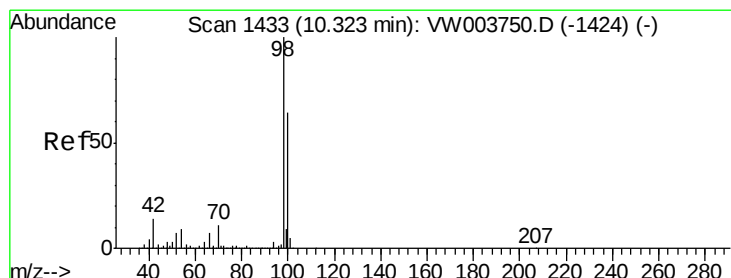
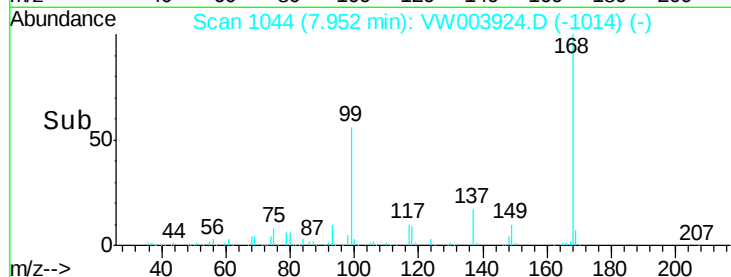
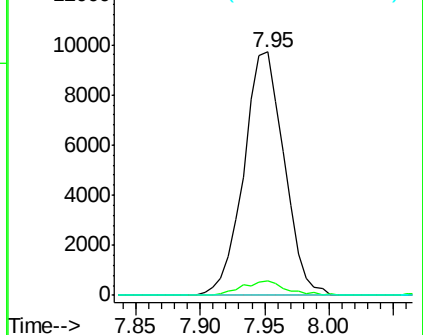
121 0.0 24.6 37.0#



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: 40.151 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003924.D

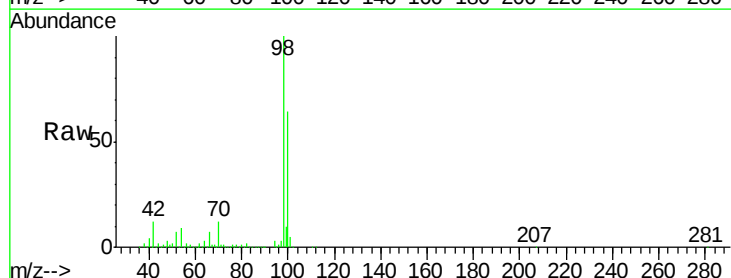
Acq: 13 Jul 2018 19:20

Tgt Ion: 98 Resp: 381148

Ion Ratio Lower Upper

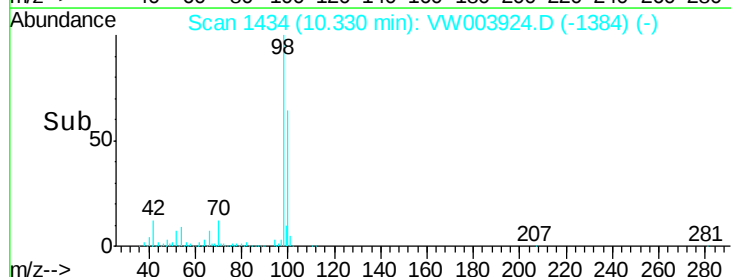
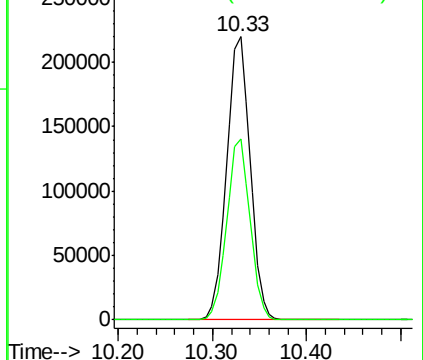
98 100

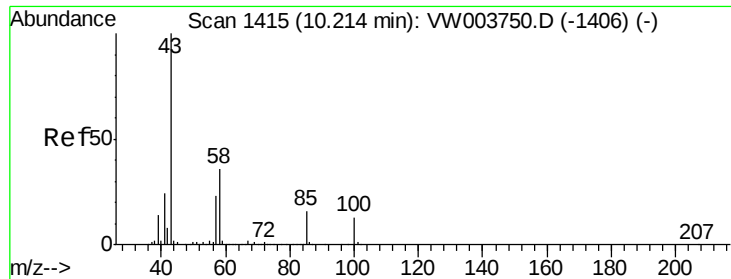
100 63.0 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.108 ug/l

RT: 10.32 min Scan# 1433

Delta R.T. 0.11 min

Lab File: VW003924.D

Acq: 13 Jul 2018 19:20

Instrument :

MSVOA_W

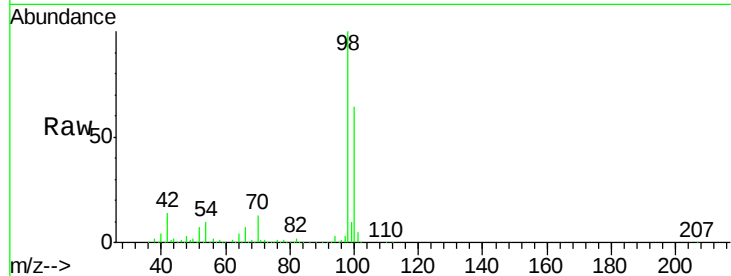
ClientSampled :

Tot Ion: 43 Resp: 1989

Ion Ratio Lower Upper

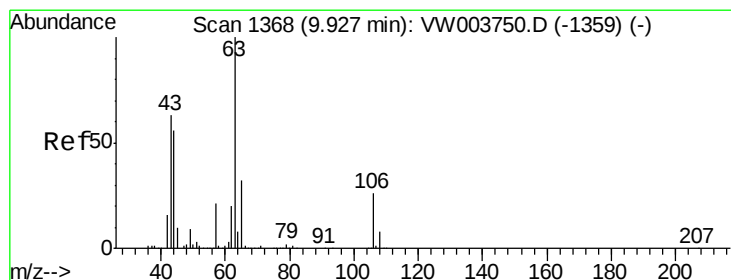
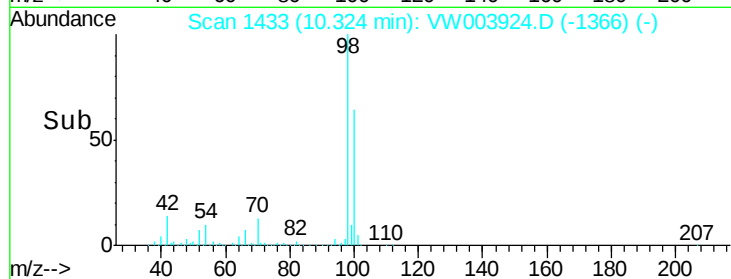
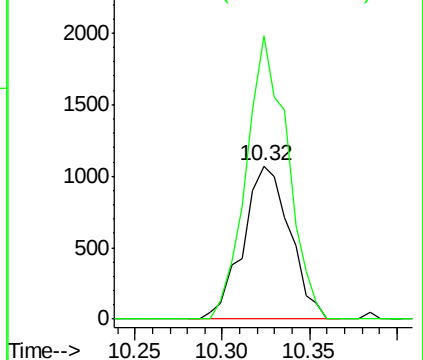
43 100

58 163.3 29.3 43.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#58

2-Chloroethyl Vinyl ether

Concen: 13.207 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VW003924.D

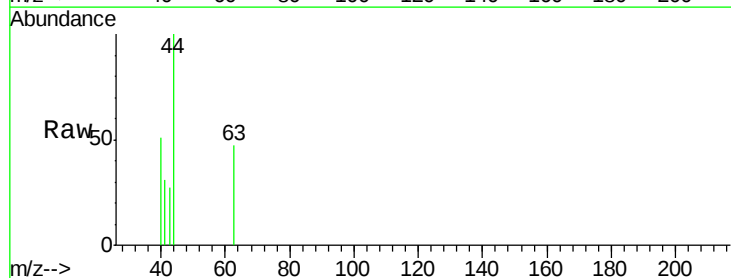
Acq: 13 Jul 2018 19:20

Tgt Ion: 63 Resp: 55

Ion Ratio Lower Upper

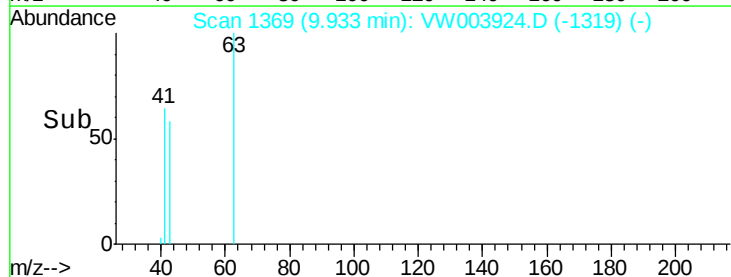
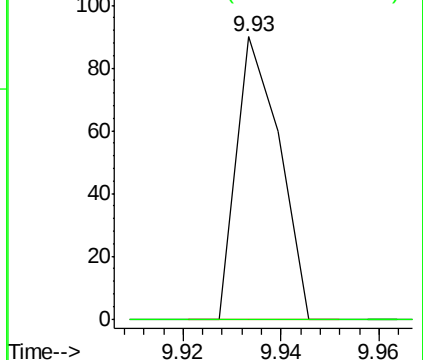
63 100

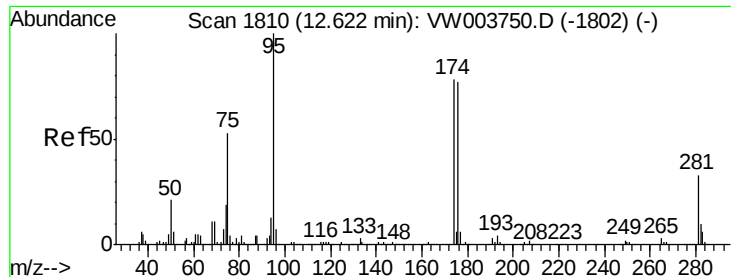
106 0.0 20.9 31.3#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

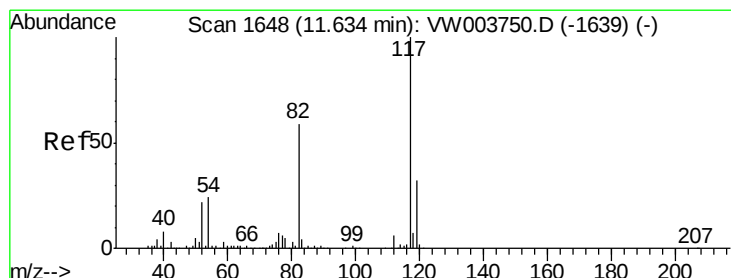
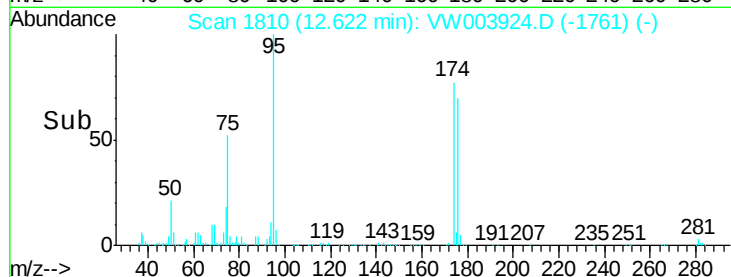
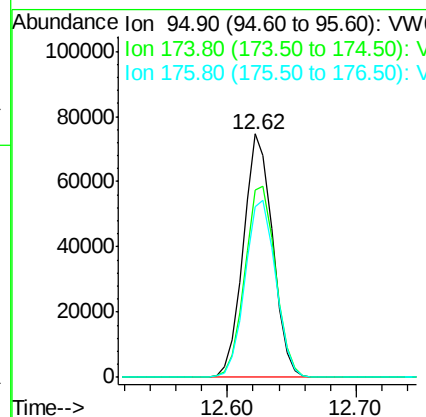
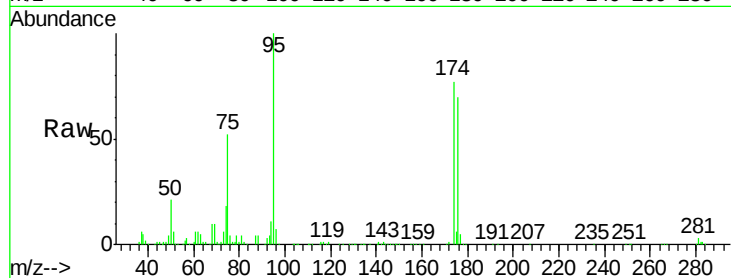




#62
4-Bromofluorobenzene
Concen: 33.988 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW003924.D
Acq: 13 Jul 2018 19:20

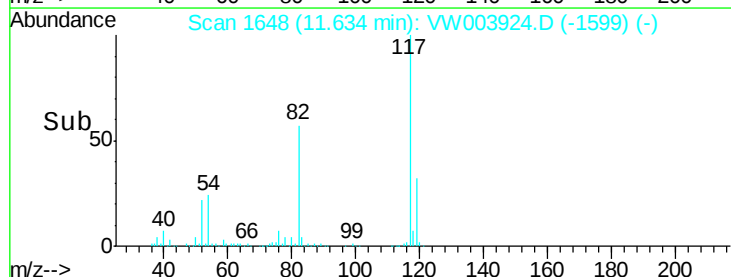
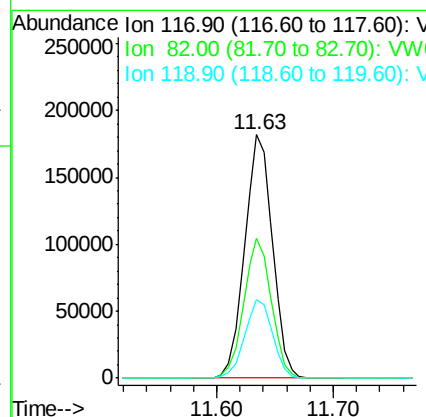
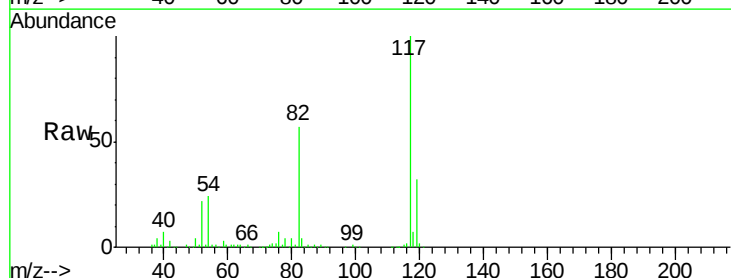
Instrument :
MSVOA_W
ClientSampleId :

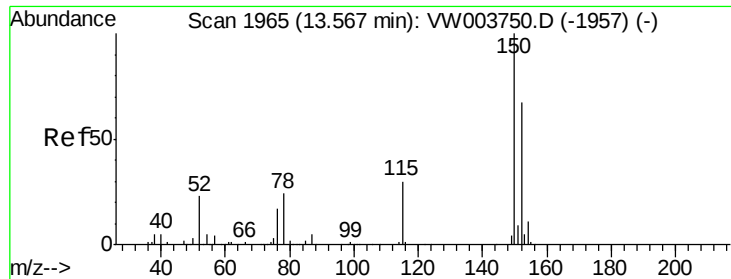
Tot Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	163.4
176	76.2	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003924.D
Acq: 13 Jul 2018 19:20

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.9	70.3
119	32.2	25.5	38.3

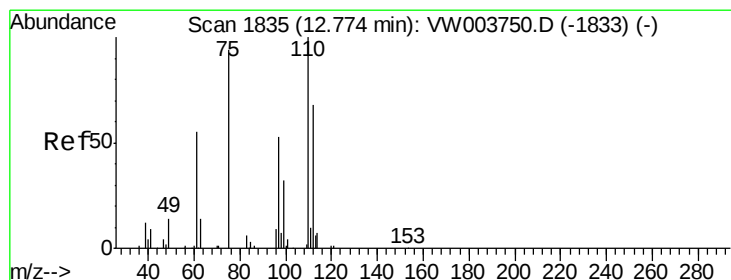
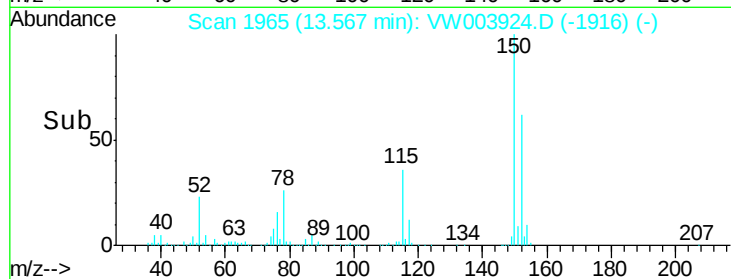
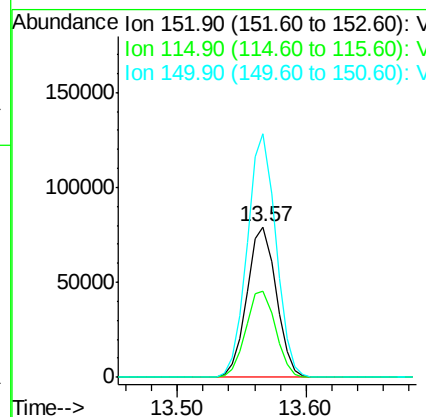
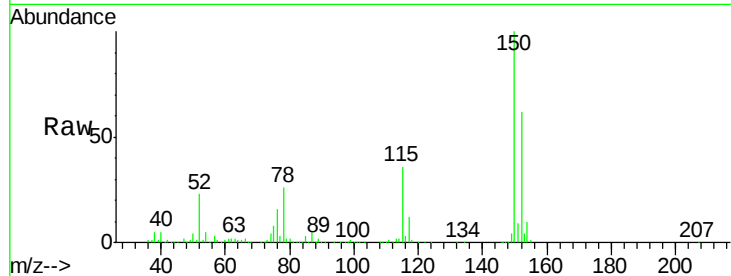




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW003924.D
 Acq: 13 Jul 2018 19:20

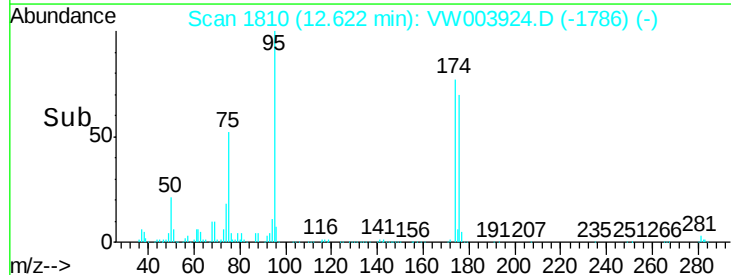
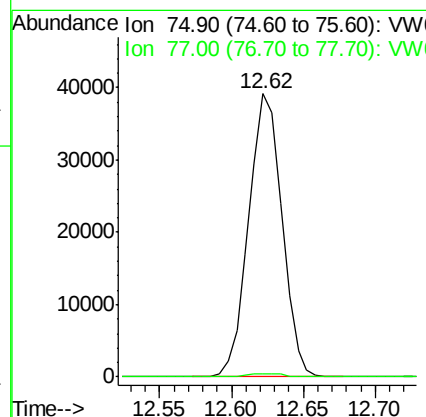
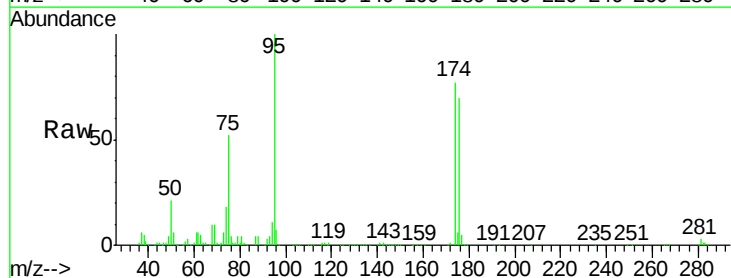
Instrument :
 MSVOA_W
 ClientSampleId :

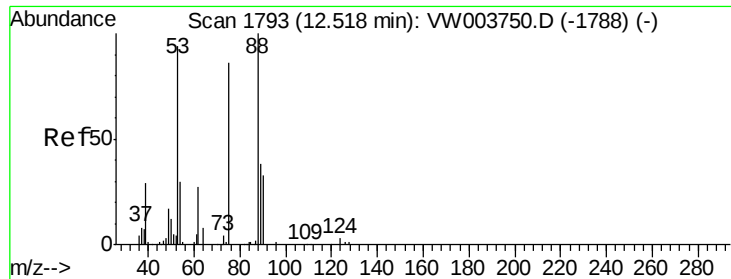
Tot Ion:152 Resp: 124010
 Ion Ratio Lower Upper
 152 100
 115 58.4 28.9 86.8
 150 158.6 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 51.429 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003924.D
 Acq: 13 Jul 2018 19:20

Tgt Ion: 75 Resp: 62628
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 125.807 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

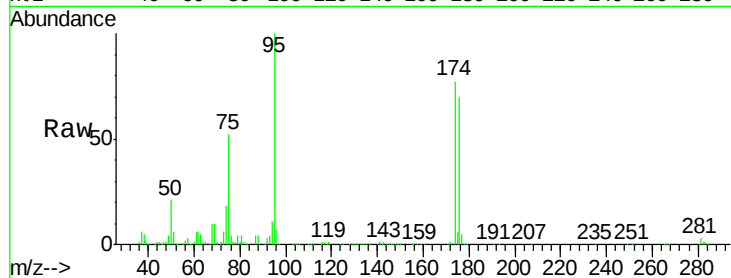
Lab File: VW003924.D

Acq: 13 Jul 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion: 75 Resp: 62628

Ion Ratio Lower Upper

75 100

53 0.3 85.0 127.6#

89 0.0 36.3 54.5#

