

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003965.D
 Acq On : 16 Jul 2018 21:27
 Operator : VA/AP
 Sample : J3829-01
 Misc : 5.61G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 17 05:52:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	195824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	332364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	107344	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	138549	63.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.60%	
35) Dibromofluoromethane	7.88	113	114760	53.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.62%	
50) Toluene-d8	10.33	98	364083	44.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.00%	
62) 4-Bromofluorobenzene	12.62	95	110569	37.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.12%	

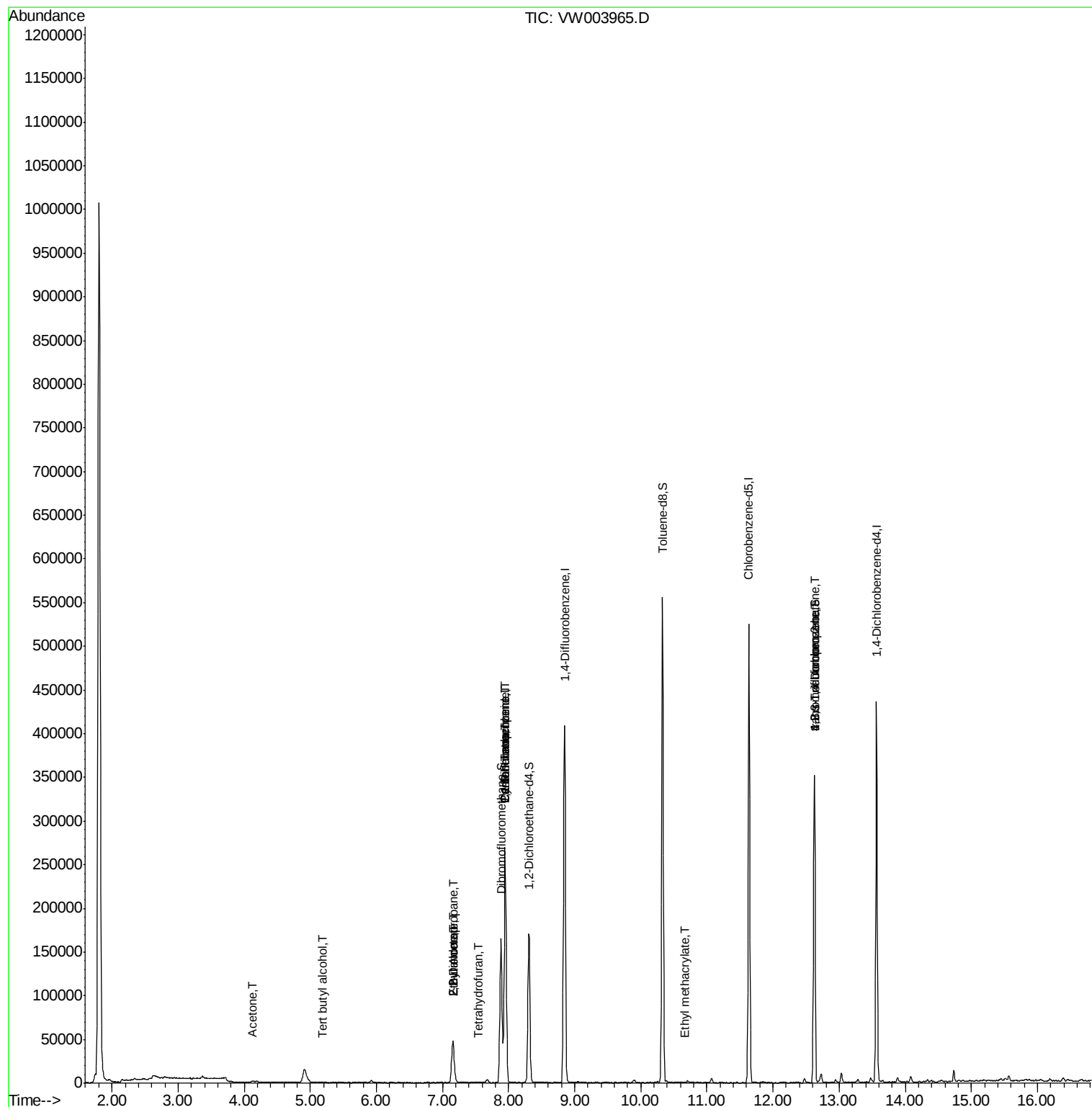
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	635	4.202	ug/l #	91
16) Acetone	4.12	43	2497	4.747	ug/l	94
20) Methylene Chloride	4.91	84	14328	Below Cal		97
25) 2-Butanone	7.15	43	2907	4.107	ug/l #	82
26) 2,2-Dichloropropane	7.16	77	3305	1.486	ug/l #	52
29) Tetrahydrofuran	7.54	42	470	1.066	ug/l #	45
31) Cyclohexane	7.95	56	5104	1.406	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16655	4.871	ug/l #	50
37) Ethyl Acetate	7.15	43	2907	1.762	ug/l #	1
38) Carbon Tetrachloride	7.95	117	19576	6.127	ug/l #	19
56) Ethyl methacrylate	10.66	69	22	2.954	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	59723	56.042	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59723	123.964	ug/l #	11

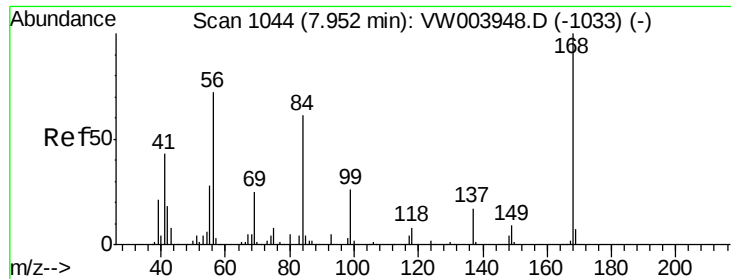
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003965.D

Acq: 16 Jul 2018 21:27

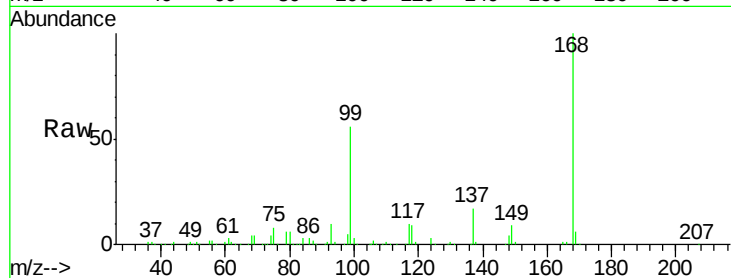
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 195824

Ion Ratio Lower Upper

168 100

99 56.0 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

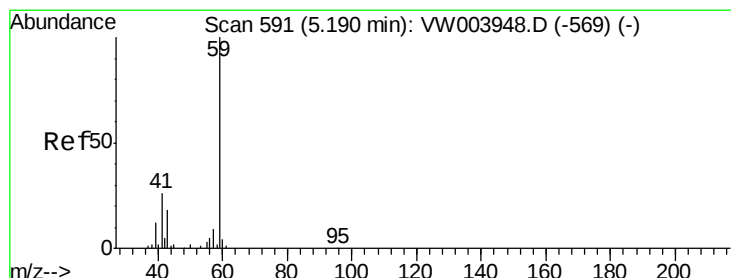
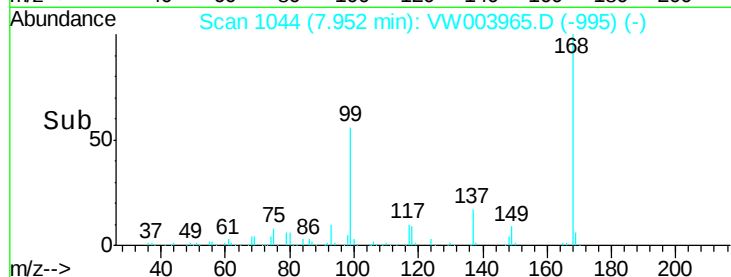
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 4.202 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW003965.D

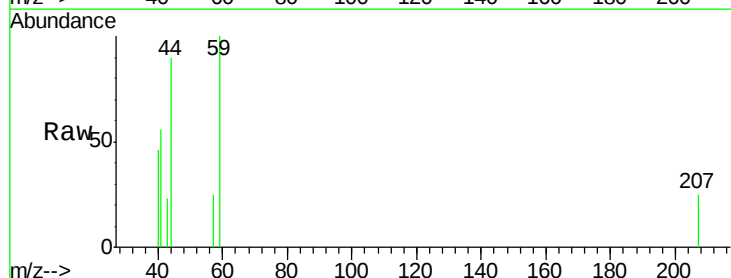
Acq: 16 Jul 2018 21:27

Tgt Ion: 59 Resp: 635

Ion Ratio Lower Upper

59 100

57 7.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

300

250

200

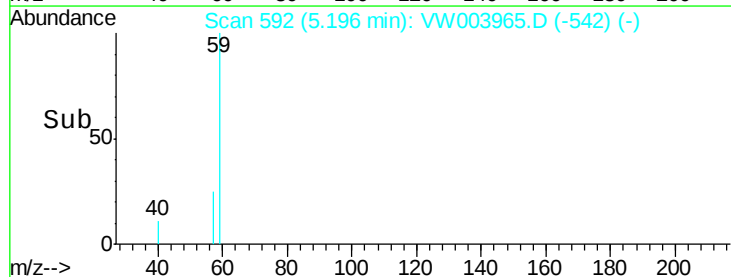
150

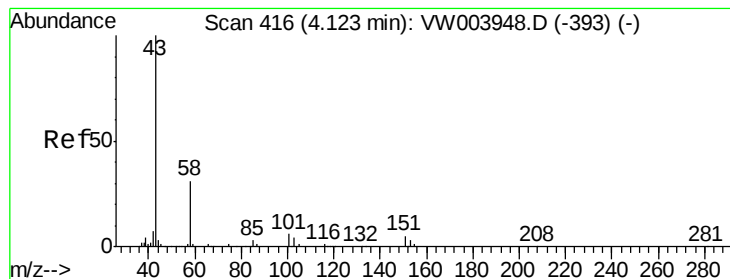
100

50

0

Time--> 5.15 5.20 5.25





#16

Acetone

Concen: 4.747 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW003965.D

Acq: 16 Jul 2018 21:27

Instrument :

MSVOA_W

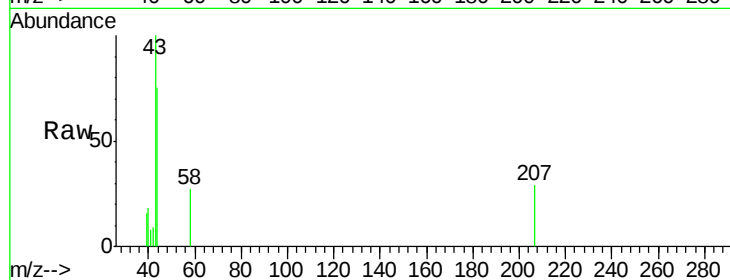
ClientSampled :

Tot Ion: 43 Resp: 2497

Ion Ratio Lower Upper

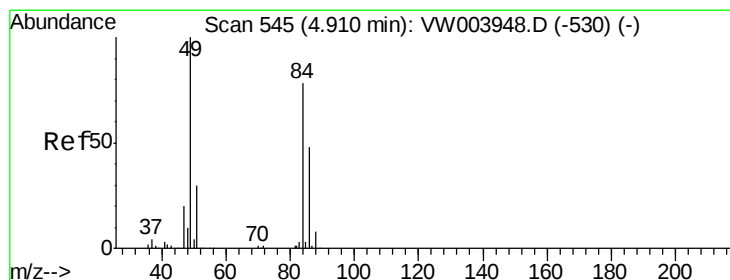
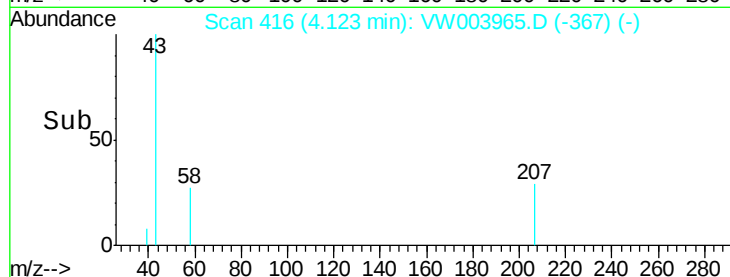
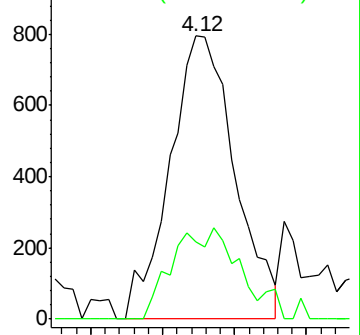
43 100

58 27.2 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003965.D

Acq: 16 Jul 2018 21:27

Tgt Ion: 84 Resp: 14328

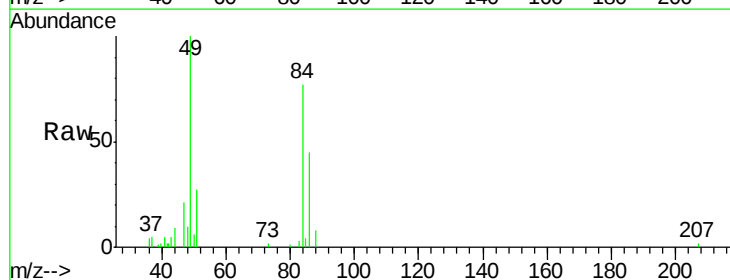
Ion Ratio Lower Upper

84 100

49 130.4 102.9 154.3

51 35.7 30.9 46.3

86 58.2 49.9 74.9

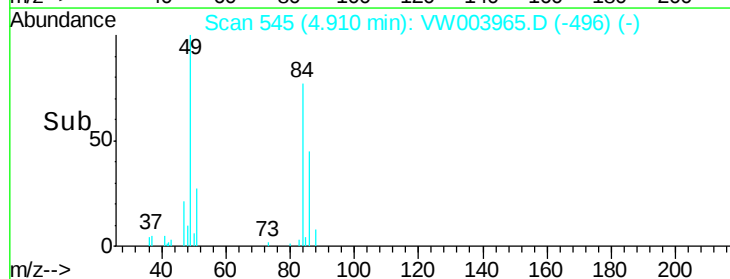
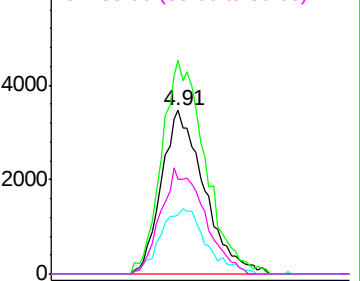


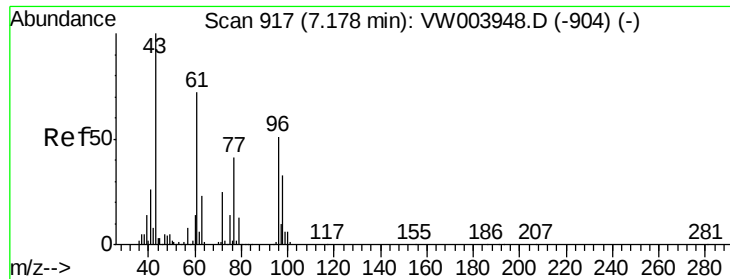
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 4.107 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW003965.D

Acq: 16 Jul 2018 21:27

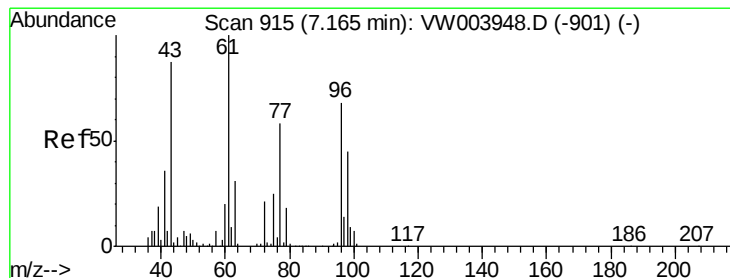
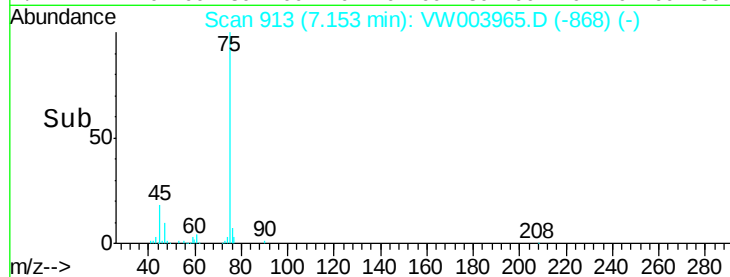
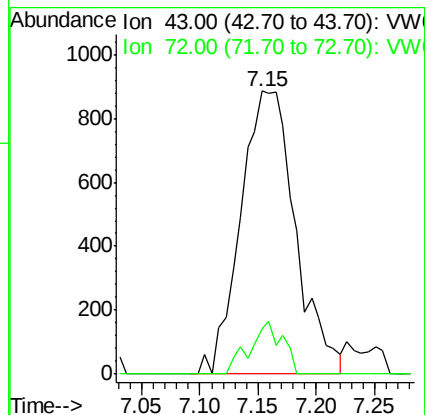
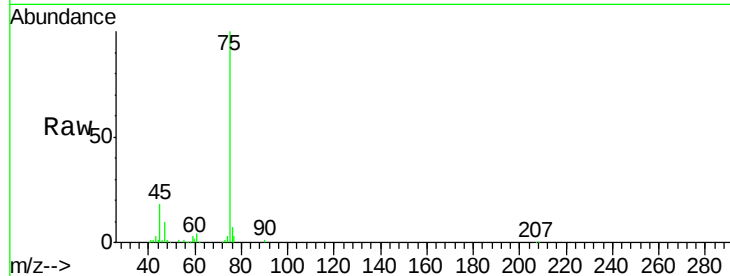
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2907

Ion Ratio Lower Upper

43 100

72 15.9 19.8 29.6#



#26

2,2-Dichloropropane

Concen: 1.486 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003965.D

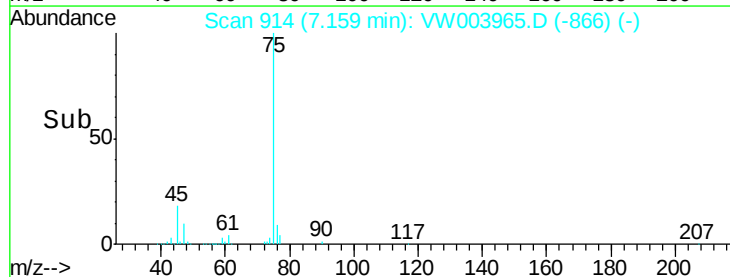
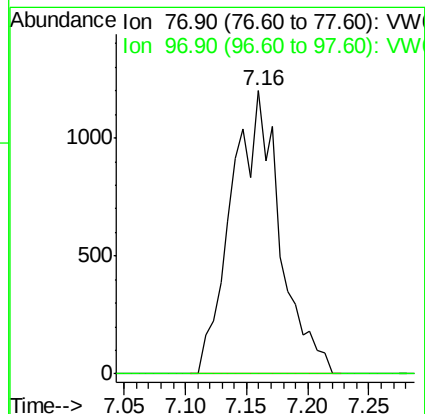
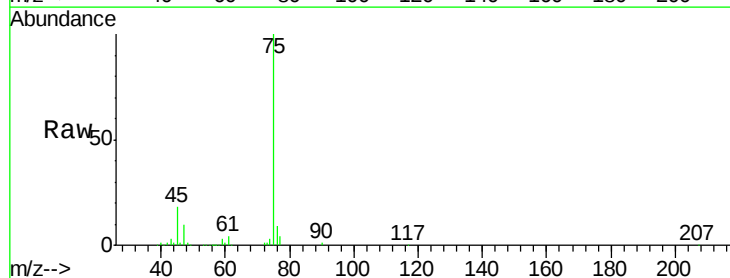
Acq: 16 Jul 2018 21:27

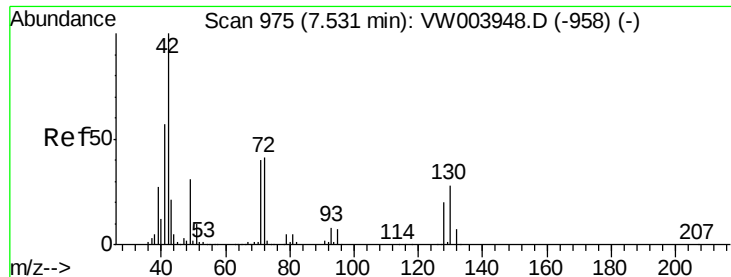
Tgt Ion: 77 Resp: 3305

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#





#29

Tetrahydrofuran

Concen: 1.066 ug/l

RT: 7.54 min Scan# 977

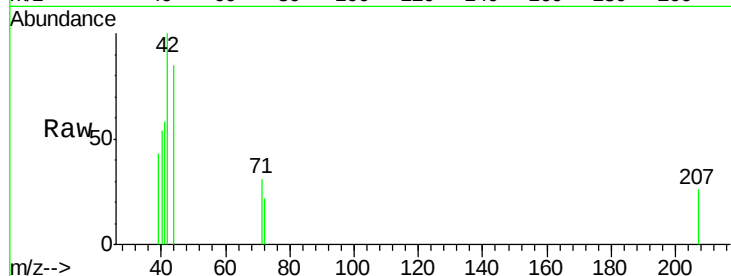
Delta R.T. 0.01 min

Lab File: VW003965.D

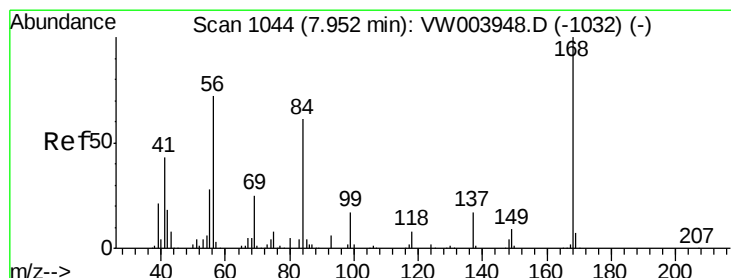
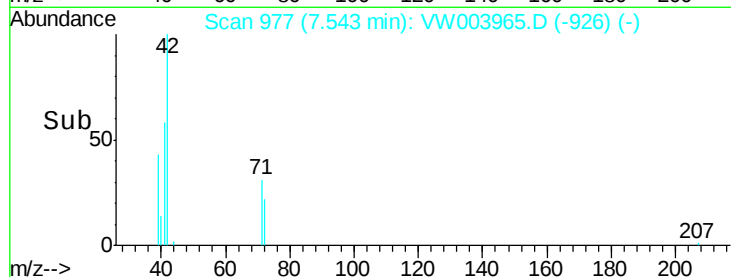
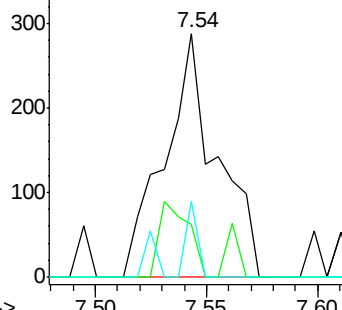
Acq: 16 Jul 2018 21:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	42	Resp:	470
Ion	Ratio	Lower	Upper
42	100		
72	4.9	32.6	48.8#
71	7.0	30.5	45.7#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.406 ug/l

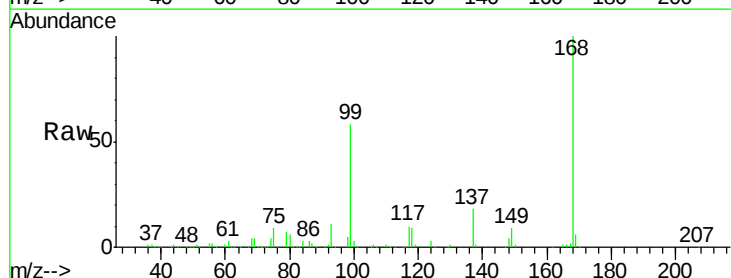
RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

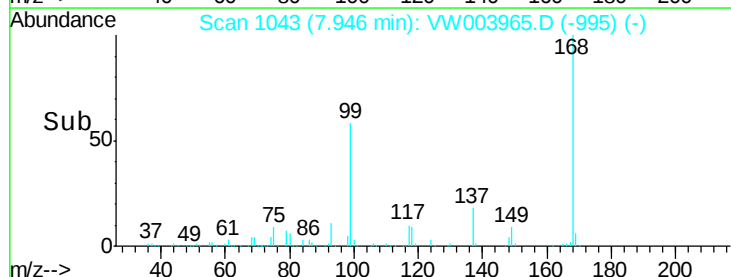
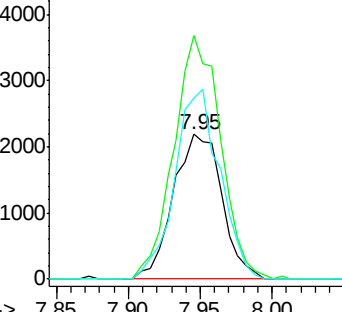
Lab File: VW003965.D

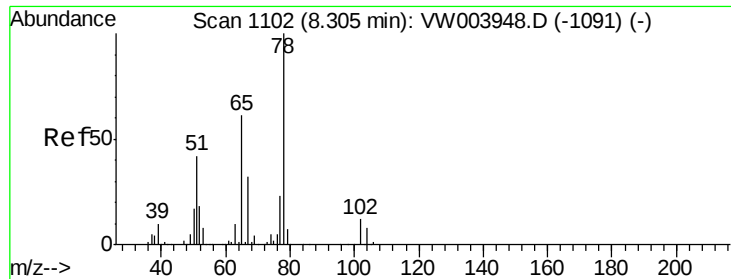
Acq: 16 Jul 2018 21:27

Tgt Ion:	56	Resp:	5104
Ion	Ratio	Lower	Upper
56	100		
69	168.5	27.8	41.8#
84	125.0	67.2	100.8#



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

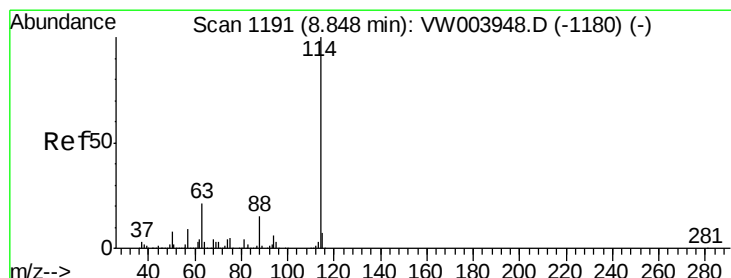
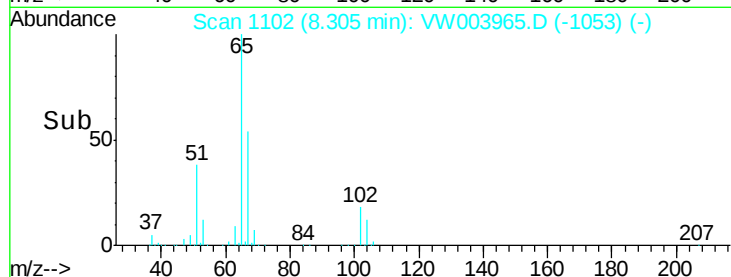
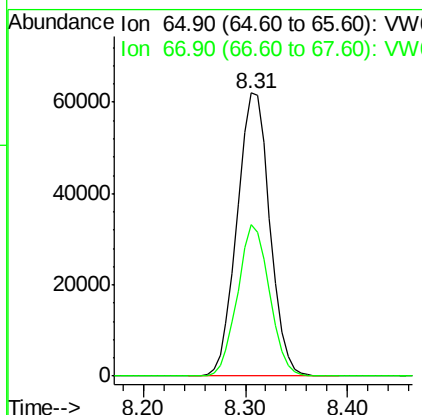
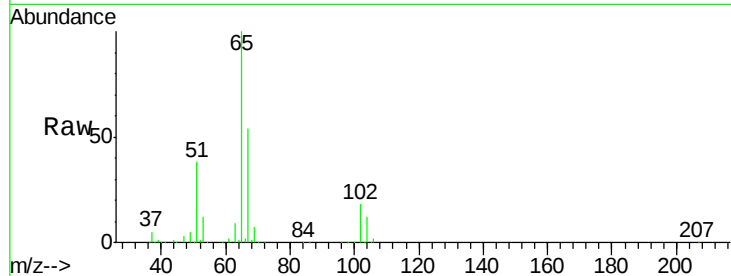




#33
 1,2-Dichloroethane-d4
 Concen: 63.296 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003965.D
 Acq: 16 Jul 2018 21:27

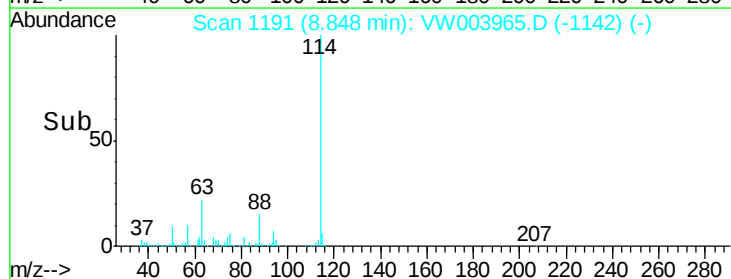
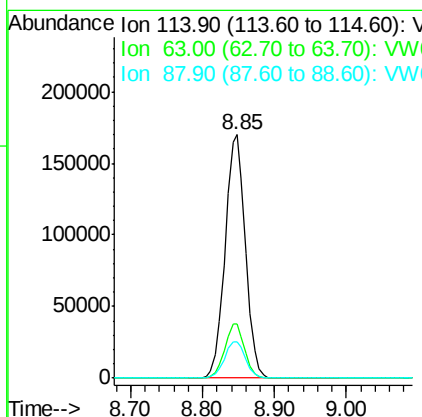
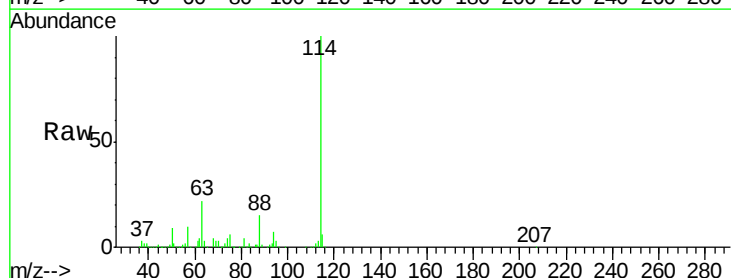
Instrument :
 MSVOA_W
 ClientSampleId :

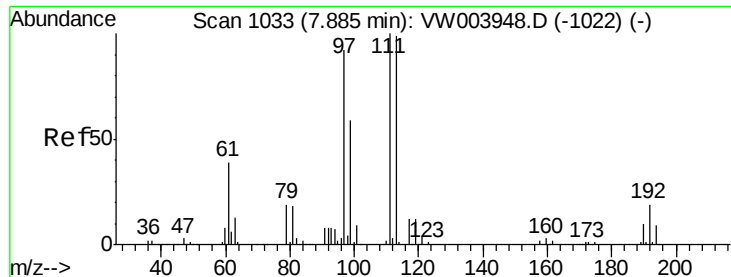
Tot Ion: 65 Resp: 138549
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003965.D
 Acq: 16 Jul 2018 21:27

Tgt Ion: 114 Resp: 332364
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 42.8
 88 15.1 0.0 30.4

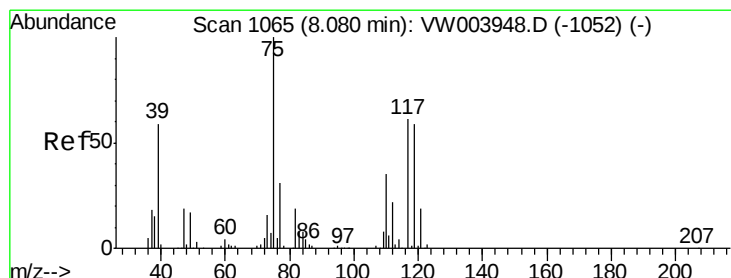
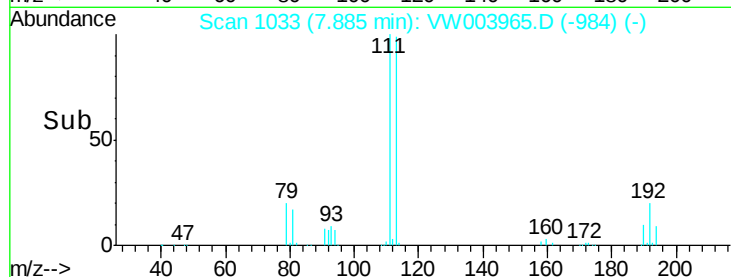
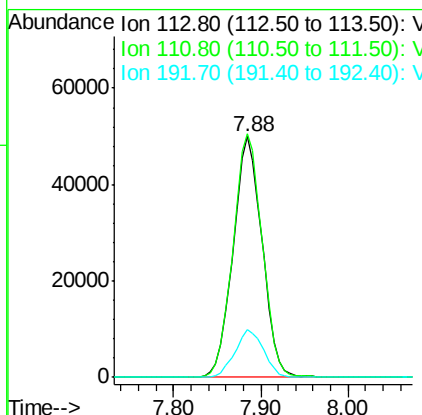
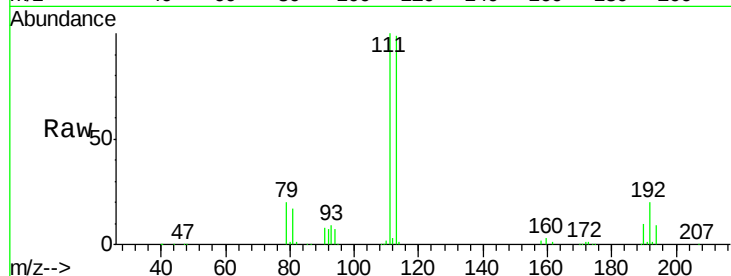




#35
 Dibromofluoromethane
 Concen: 53.814 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003965.D
 Acq: 16 Jul 2018 21:27

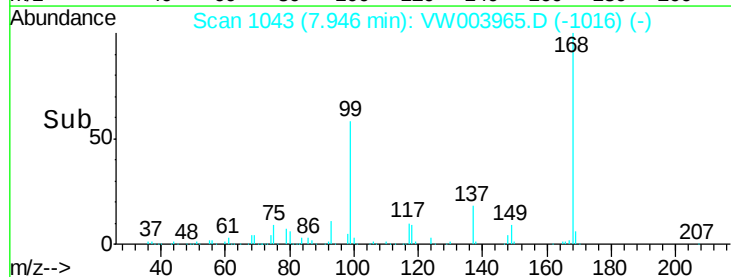
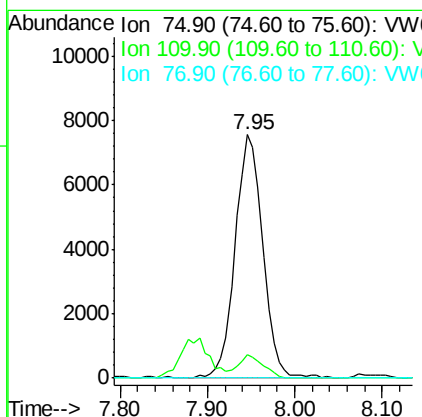
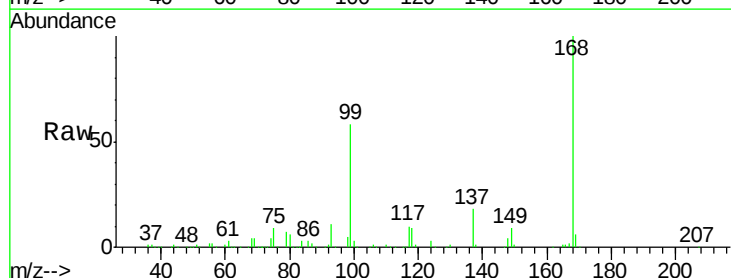
Instrument :
 MSVOA_W
 ClientSampleId :

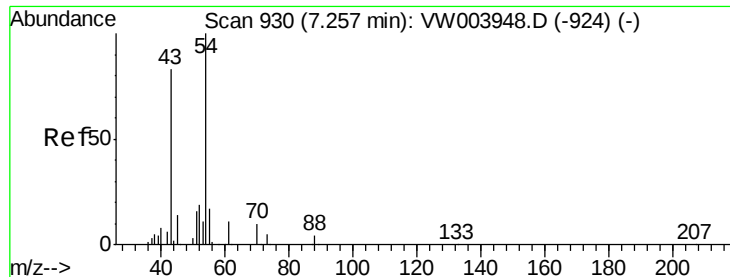
Tot Ion:113 Resp: 114760
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.3 121.9
 192 19.7 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.871 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003965.D
 Acq: 16 Jul 2018 21:27

Tgt Ion: 75 Resp: 16655
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.0 51.0#
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.762 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.10 min

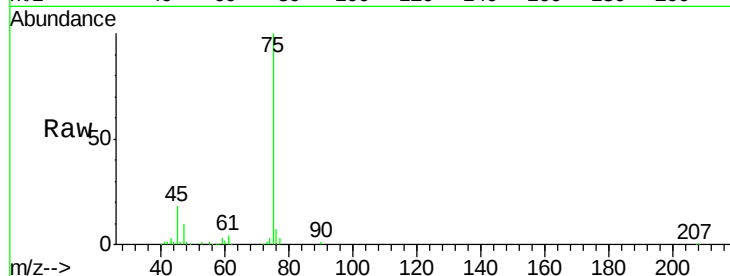
Lab File: VW003965.D

Acq: 16 Jul 2018 21:27

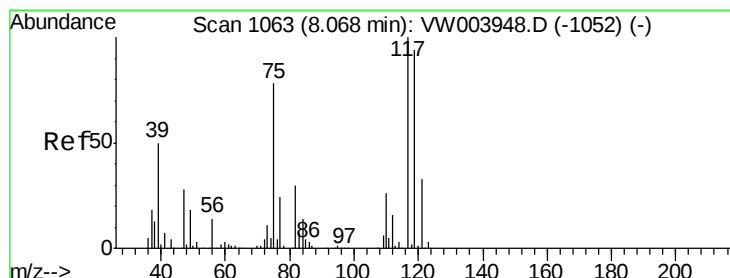
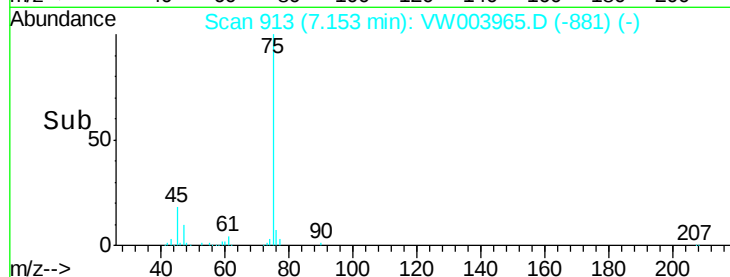
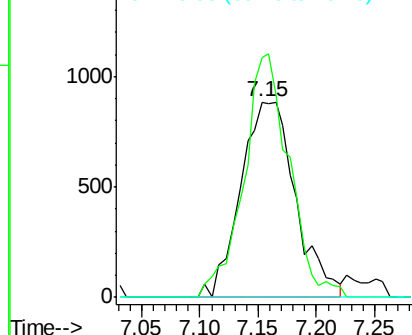
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2907

Ion	Ratio	Lower	Upper
43	100		
61	103.1	10.7	16.1#
70	0.0	7.7	11.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.127 ug/l

RT: 7.95 min Scan# 1043

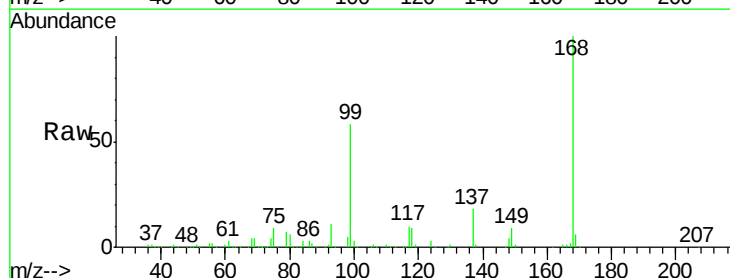
Delta R.T. -0.12 min

Lab File: VW003965.D

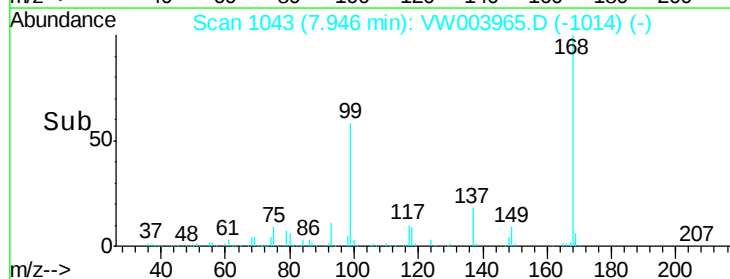
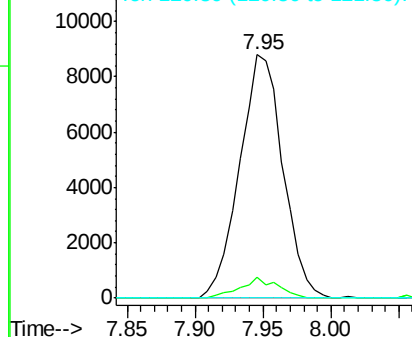
Acq: 16 Jul 2018 21:27

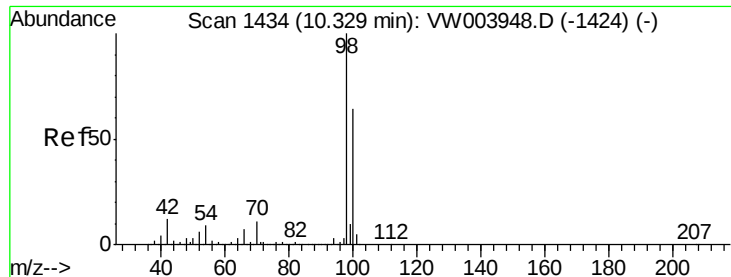
Tgt Ion: 117 Resp: 19576

Ion	Ratio	Lower	Upper
117	100		
119	8.6	75.3	112.9#
121	0.0	26.0	39.0#



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

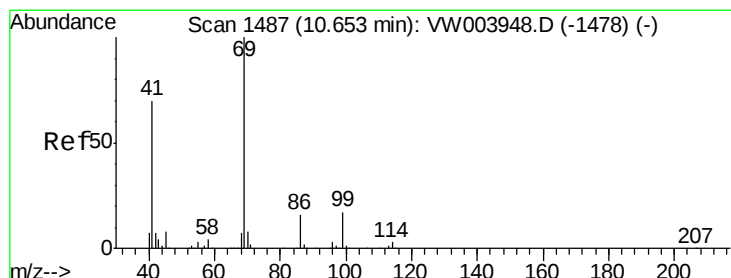
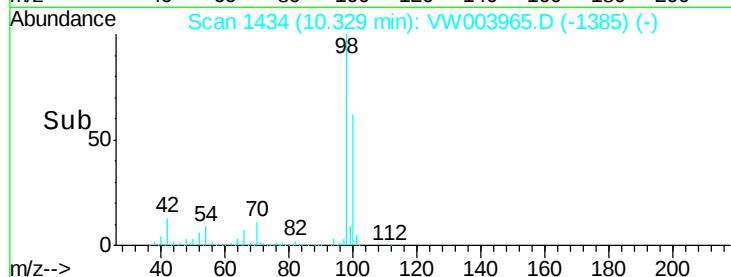
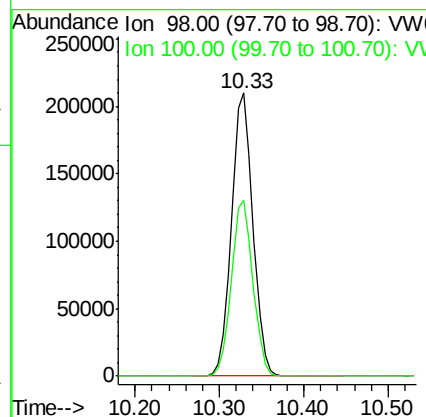
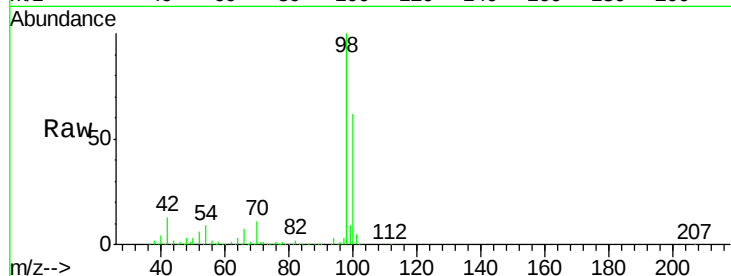




#50
Toluene-d8
Concen: 43.999 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003965.D
Acq: 16 Jul 2018 21:27

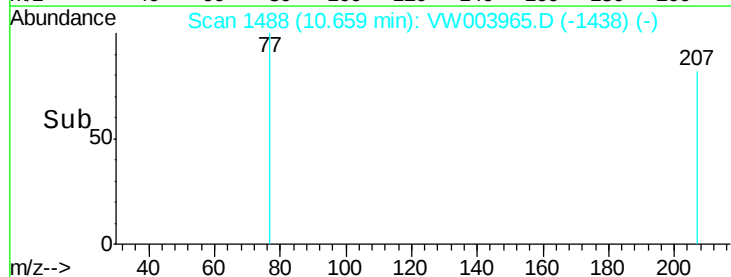
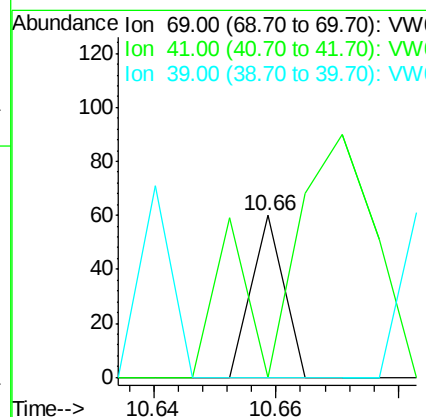
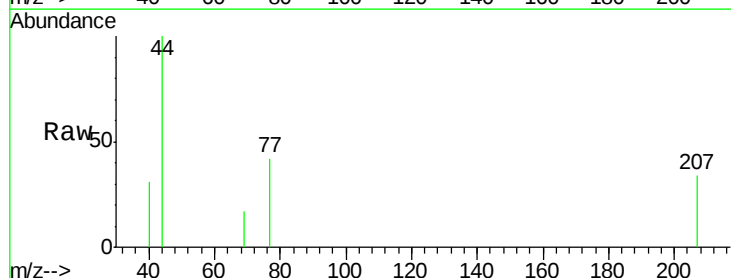
Instrument :
MSVOA_W
ClientSampled :

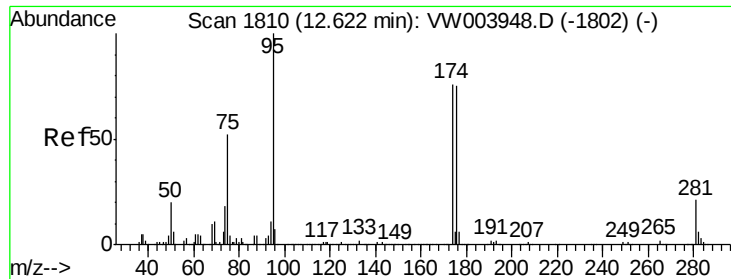
Tot Ion: 98 Resp: 364083
Ion Ratio Lower Upper
98 100
100 62.5 51.2 76.8



#56
Ethyl methacrylate
Concen: 2.954 ug/l
RT: 10.66 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW003965.D
Acq: 16 Jul 2018 21:27

Tgt Ion: 69 Resp: 22
Ion Ratio Lower Upper
69 100
41 445.5 56.5 84.7#
39 0.0 30.2 45.4#

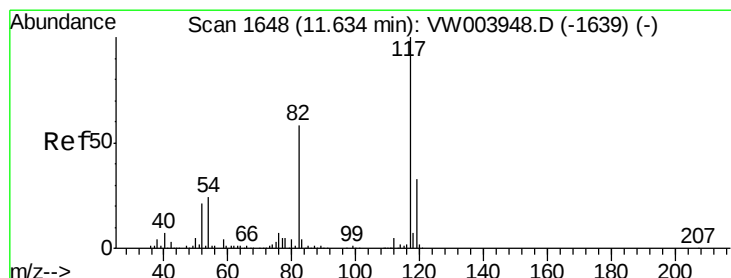
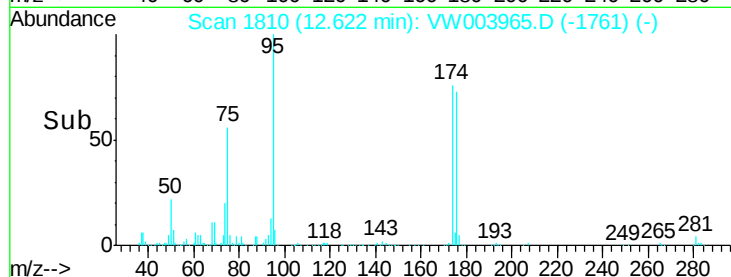
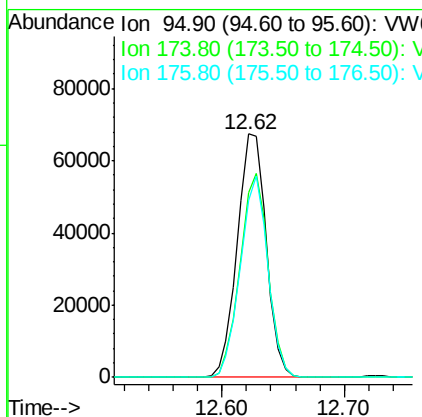
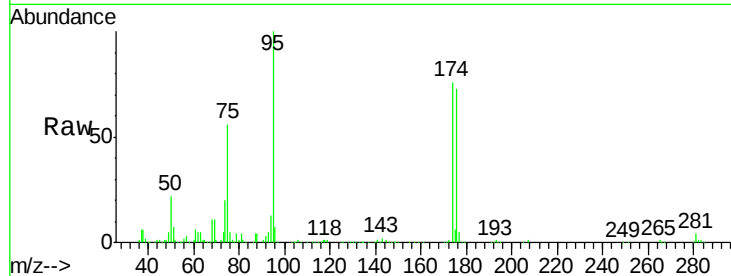




#62
4-Bromofluorobenzene
Concen: 37.056 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003965.D
Acq: 16 Jul 2018 21:27

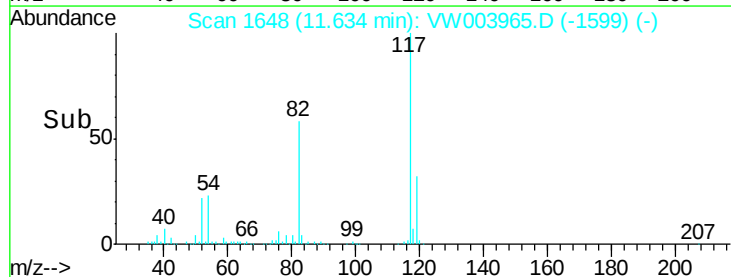
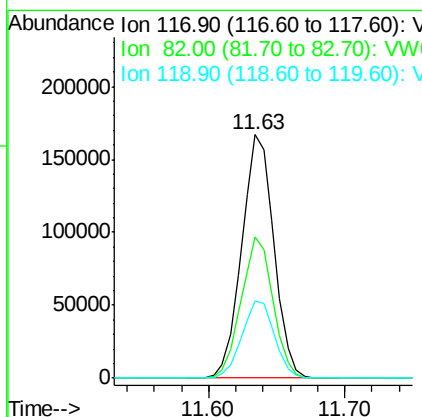
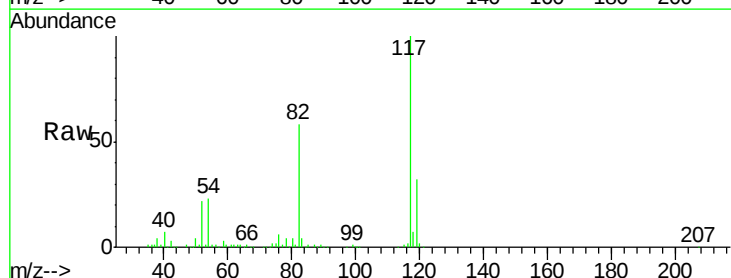
Instrument :
MSVOA_W
ClientSampleId :

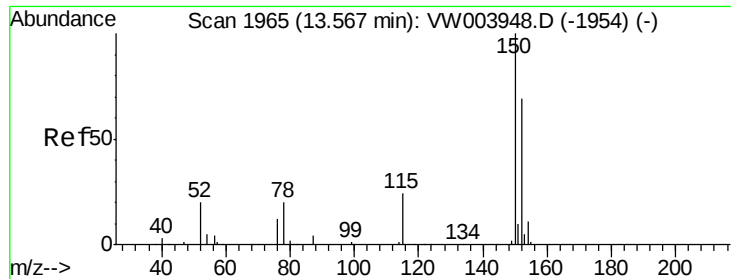
Tot Ion: 95 Resp: 110569
Ion Ratio Lower Upper
95 100
174 81.5 0.0 160.2
176 78.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003965.D
Acq: 16 Jul 2018 21:27

Tgt Ion: 117 Resp: 275926
Ion Ratio Lower Upper
117 100
82 57.9 46.5 69.7
119 31.7 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003965.D

Acq: 16 Jul 2018 21:27

Instrument :

MSVOA_W

ClientSampleId :

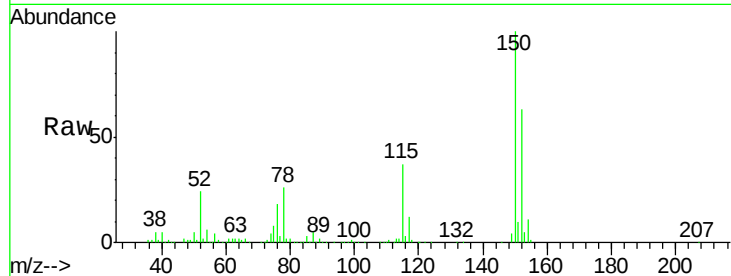
Tot Ion:152 Resp: 107344

Ion Ratio Lower Upper

152 100

115 59.8 29.2 87.6

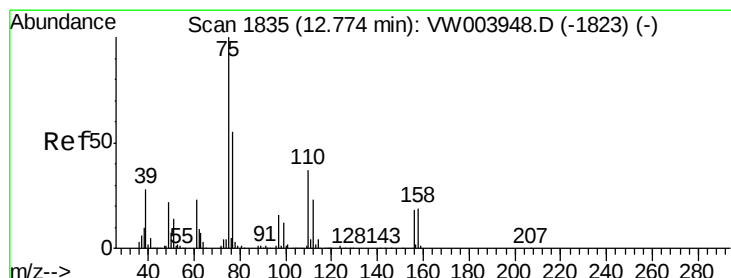
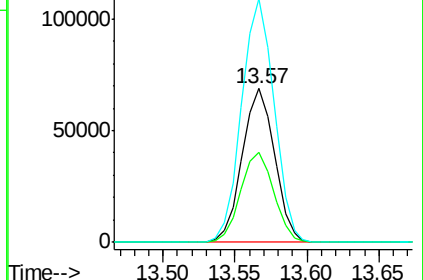
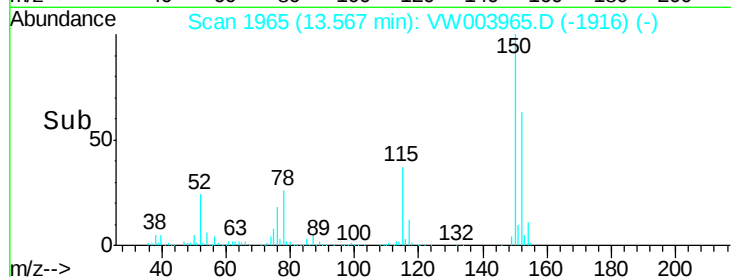
150 159.2 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 56.042 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003965.D

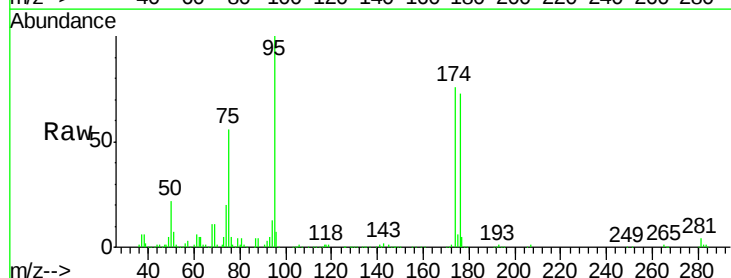
Acq: 16 Jul 2018 21:27

Tgt Ion: 75 Resp: 59723

Ion Ratio Lower Upper

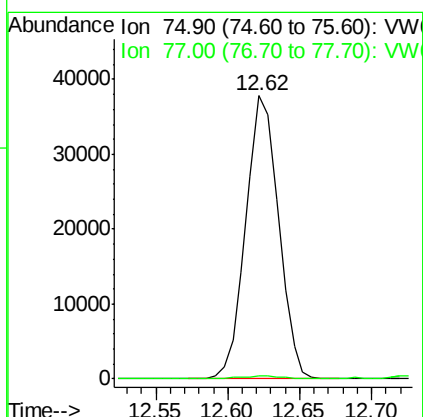
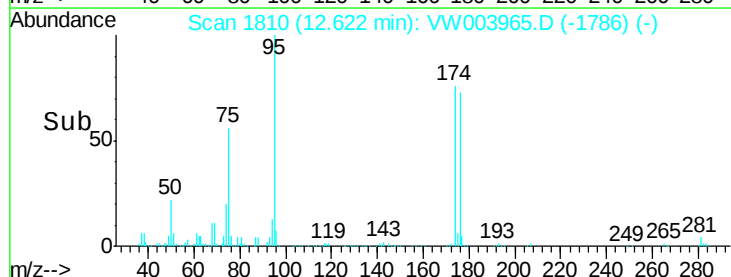
75 100

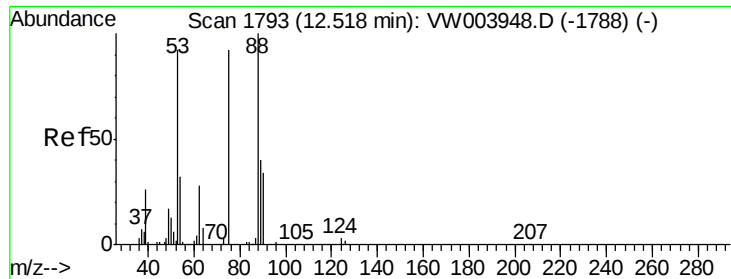
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.964 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003965.D
 Acq: 16 Jul 2018 21:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 59723
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.6 116.4#
 89 0.0 36.6 54.8#

