

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004161.D
 Acq On : 24 Jul 2018 03:19
 Operator : SY/AP
 Sample : J4062-25
 Misc : 9.99G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 04:50:22 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	23054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	42154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	37958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	10249	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	26150	101.48	ug/l	0.00
Spiked Amount			Recovery	=	202.96%	
35) Dibromofluoromethane	7.89	113	19981	73.88	ug/l	0.00
Spiked Amount			Recovery	=	147.76%	
50) Toluene-d8	10.33	98	37041	35.29	ug/l	0.00
Spiked Amount			Recovery	=	70.58%	
62) 4-Bromofluorobenzene	12.62	95	10655	28.15	ug/l	0.00
Spiked Amount			Recovery	=	56.30%	

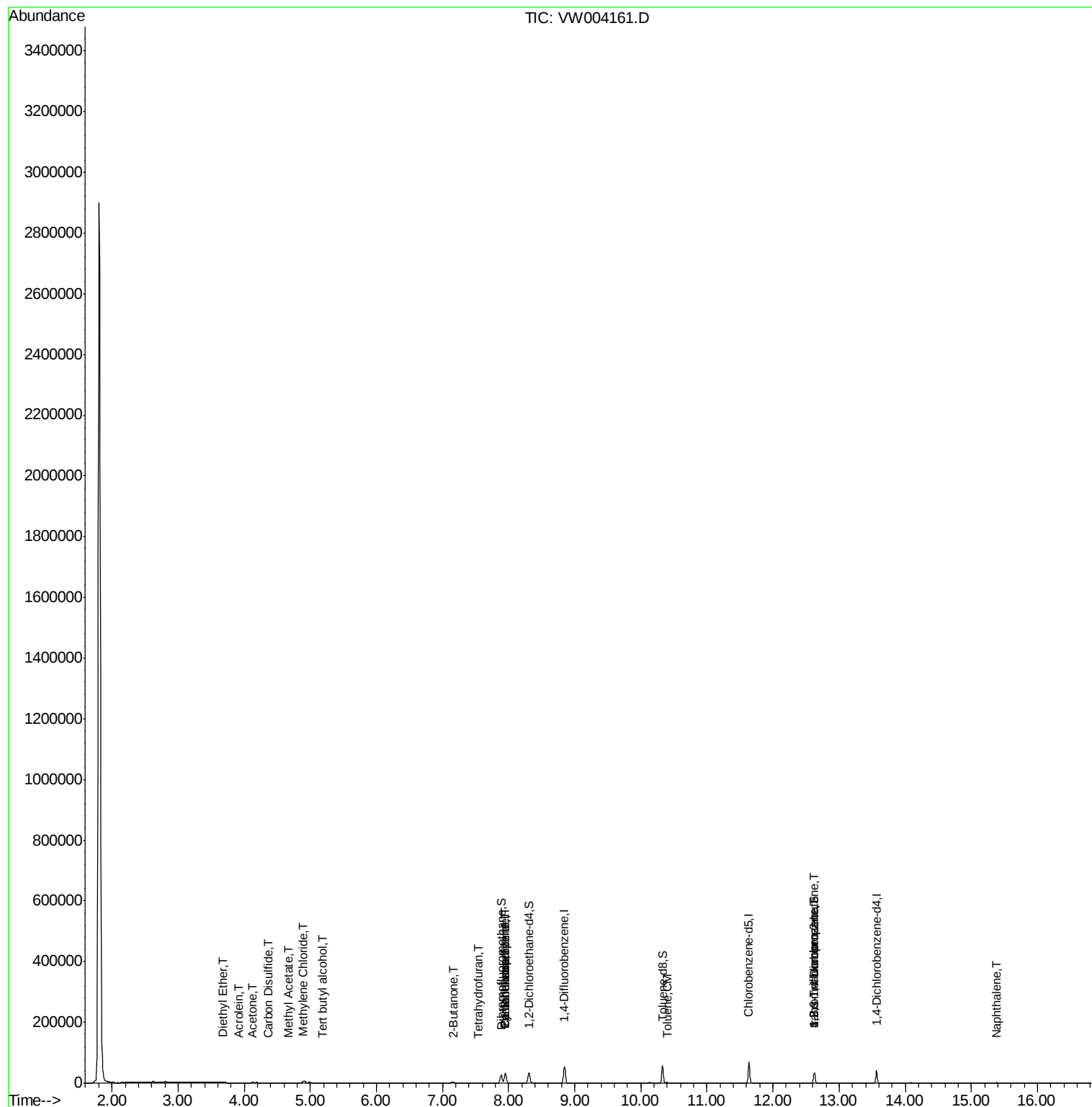
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	174	1.523	ug/l #	1
11) Tert butyl alcohol	5.18	59	95	5.340	ug/l #	72
13) Acrolein	3.92	56	21	1.149	ug/l #	13
16) Acetone	4.12	43	2872	46.379	ug/l	91
17) Carbon Disulfide	4.36	76	803	1.148	ug/l #	75
18) Methyl Acetate	4.67	43	450	3.027	ug/l #	63
20) Methylene Chloride	4.90	84	4673	10.954	ug/l	89
25) 2-Butanone	7.18	43	130	1.560	ug/l #	51
29) Tetrahydrofuran	7.54	42	176	3.391	ug/l #	36
31) Cyclohexane	7.95	56	643	1.504	ug/l #	28
36) 1,1-Dichloropropene	7.96	75	2156	4.971	ug/l #	44
38) Carbon Tetrachloride	7.95	117	2339	5.772	ug/l #	13
52) Toluene	10.39	92	779	1.047	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	5499	54.045	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	5499	119.546	ug/l #	11
95) Naphthalene	15.38	128	697	1.744	ug/l #	92

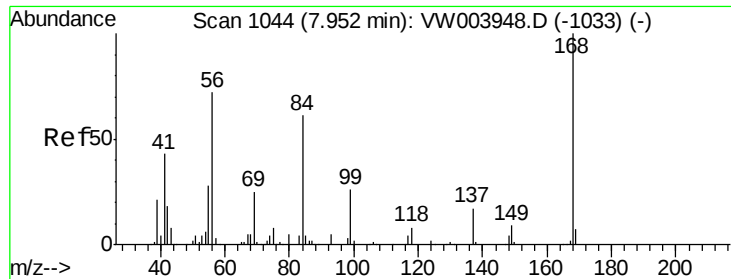
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072318\
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QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004161.D

Acq: 24 Jul 2018 03:19

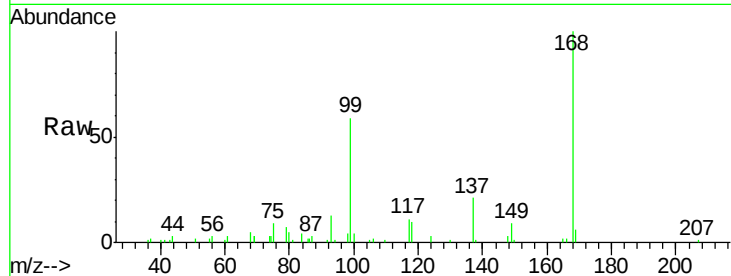
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 23054

Ion Ratio Lower Upper

168 100

99 59.3 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

12000

10000

8000

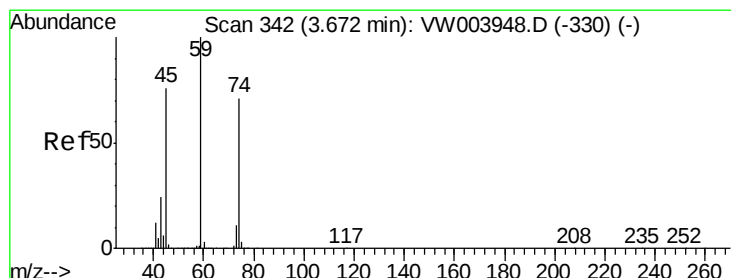
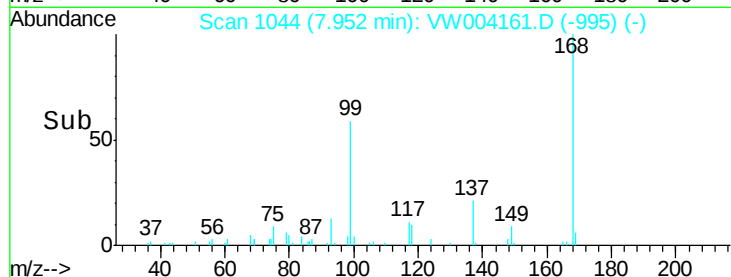
6000

4000

2000

0

Time--> 7.85 7.90 7.95 8.00



#8

Diethyl Ether

Concen: 1.523 ug/l

RT: 3.67 min Scan# 342

Delta R.T. 0.00 min

Lab File: VW004161.D

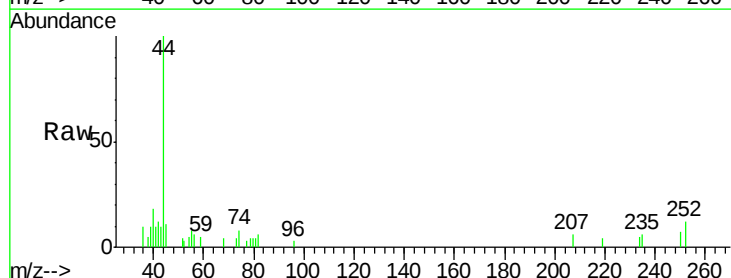
Acq: 24 Jul 2018 03:19

Tgt Ion: 74 Resp: 174

Ion Ratio Lower Upper

74 100

45 327.0 53.8 161.4#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

200

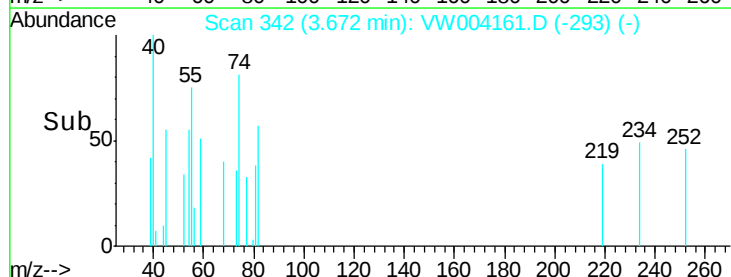
150

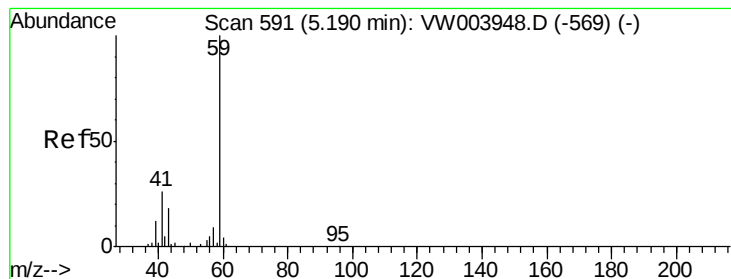
100

50

0

Time--> 3.64 3.66 3.68 3.70



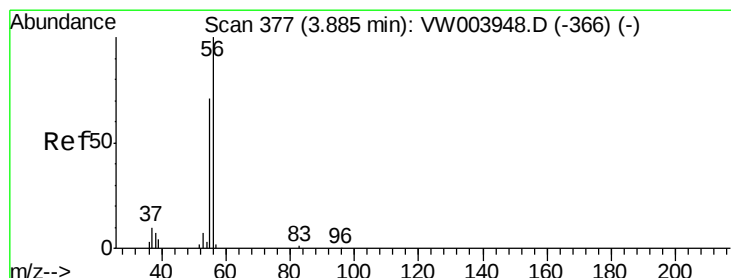
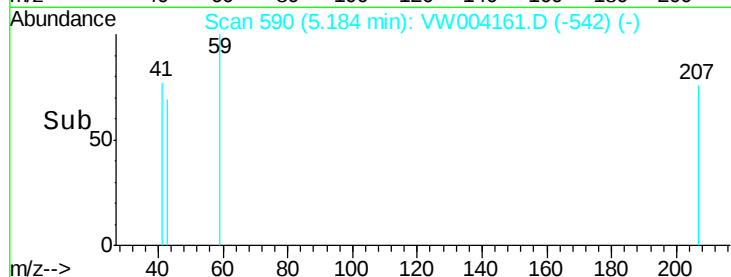
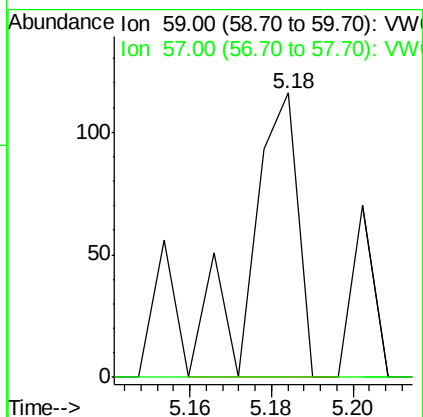
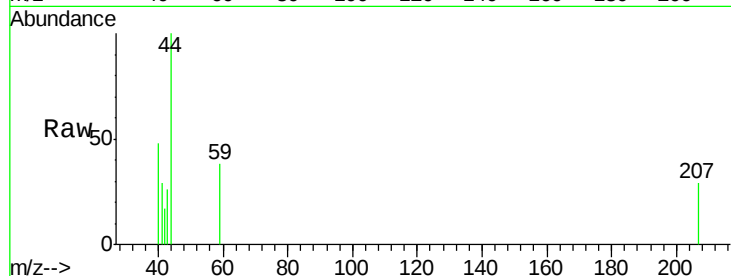


#11

Tert butvl alcohol
 Concen: 5.340 ug/l
 RT: 5.18 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: VW004161.D
 Acq: 24 Jul 2018 03:19

Instrument :
 MSVOA_W
 ClientSampled :

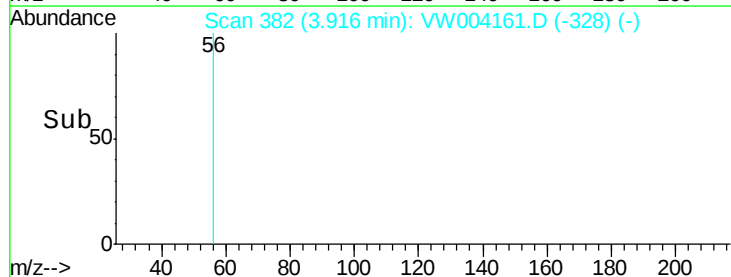
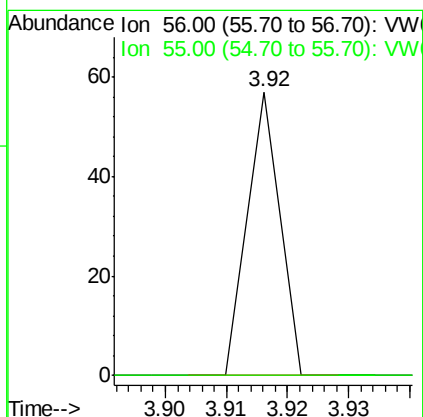
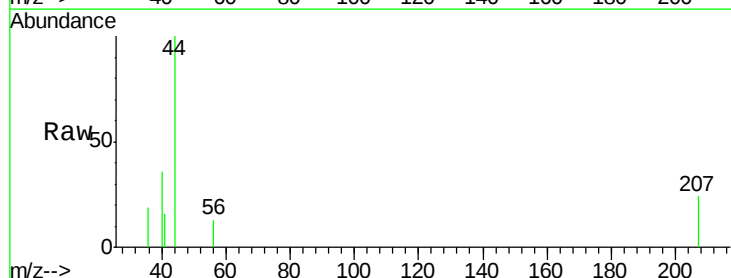
Tot Ion: 59 Resp: 95
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

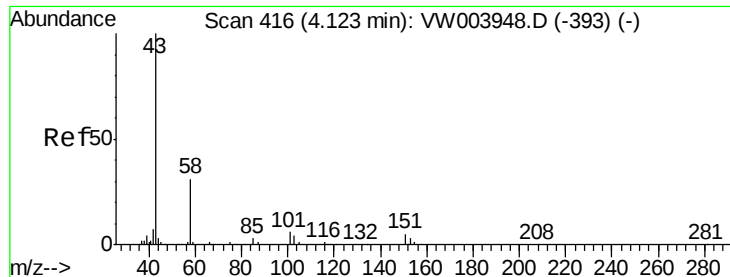


#13

Acrolein
 Concen: 1.149 ug/l
 RT: 3.92 min Scan# 382
 Delta R.T. 0.03 min
 Lab File: VW004161.D
 Acq: 24 Jul 2018 03:19

Tgt Ion: 56 Resp: 21
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.2 87.4#





#16

Acetone

Concen: 46.379 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004161.D

Acq: 24 Jul 2018 03:19

Instrument :

MSVOA_W

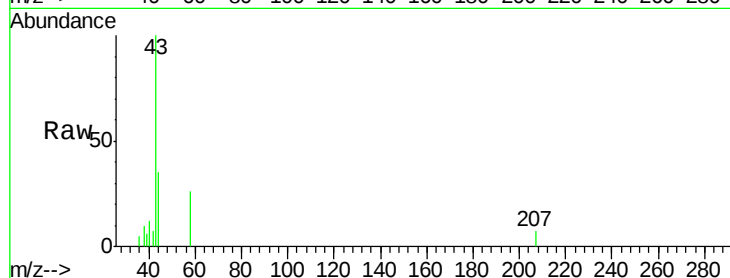
ClientSampled :

Tot Ion: 43 Resp: 2872

Ion Ratio Lower Upper

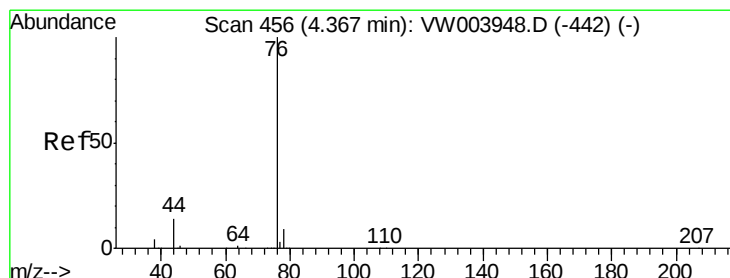
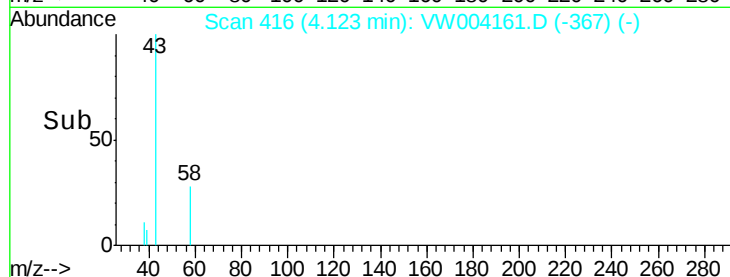
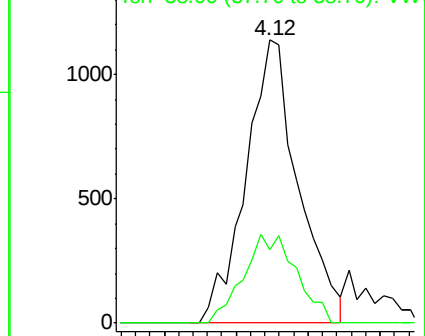
43 100

58 25.9 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.148 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW004161.D

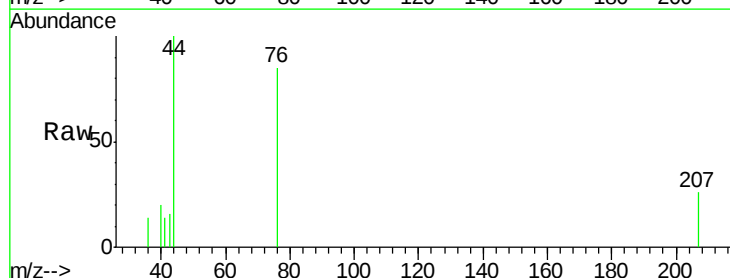
Acq: 24 Jul 2018 03:19

Tgt Ion: 76 Resp: 803

Ion Ratio Lower Upper

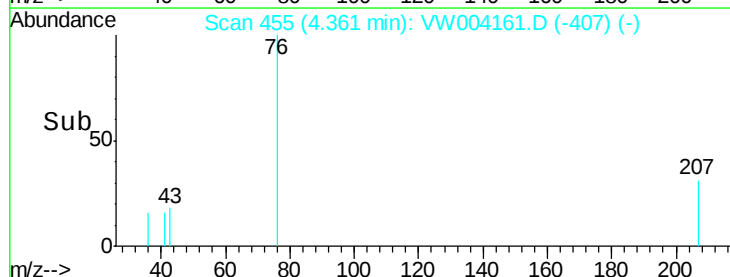
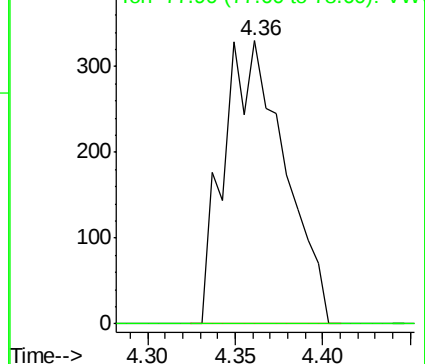
76 100

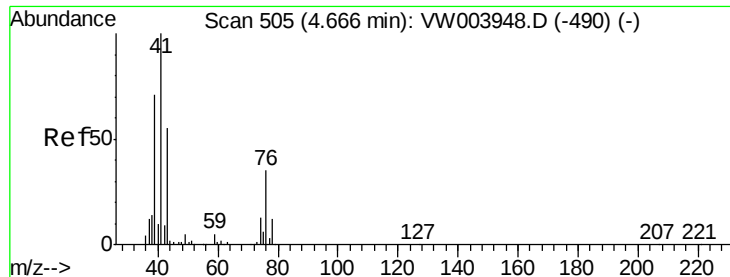
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

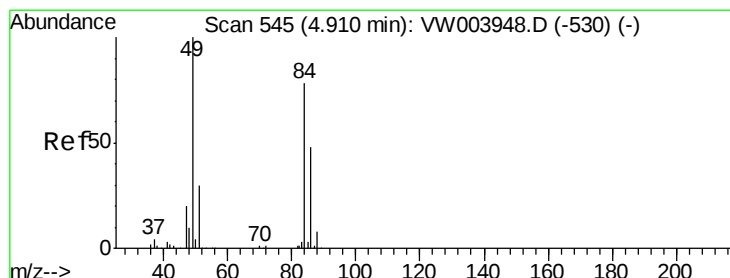
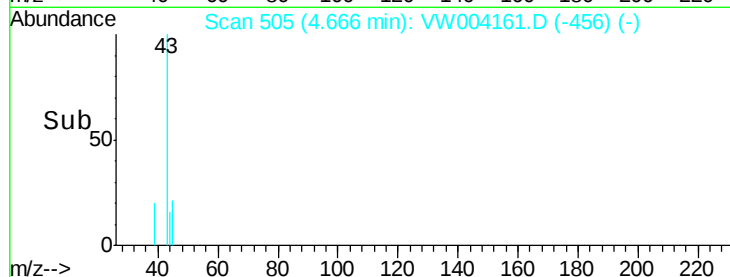
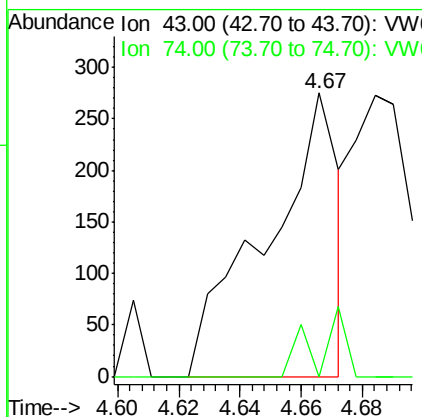
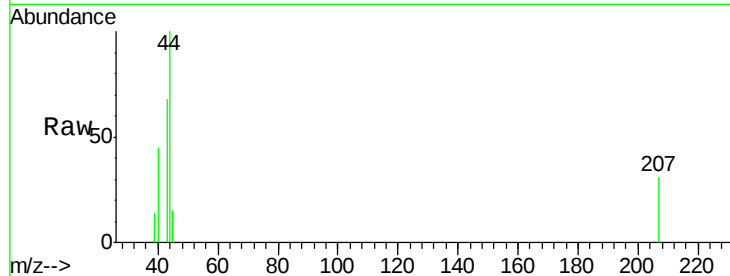




#18
Methyl Acetate
Concen: 3.027 ug/l
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW004161.D
Acq: 24 Jul 2018 03:19

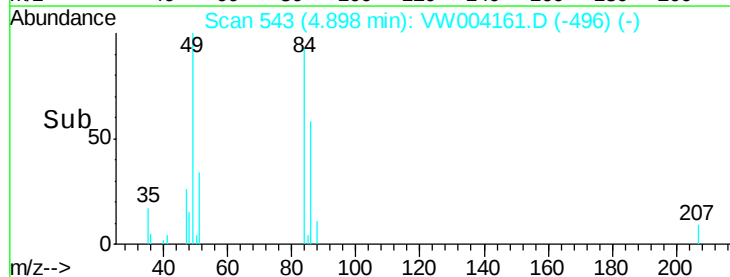
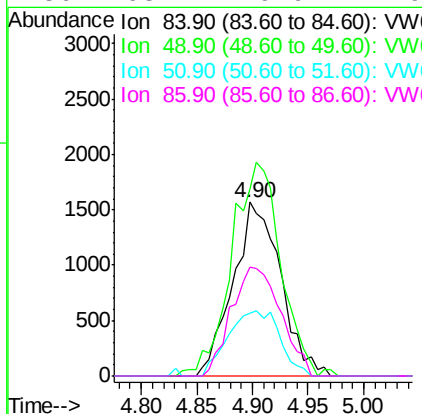
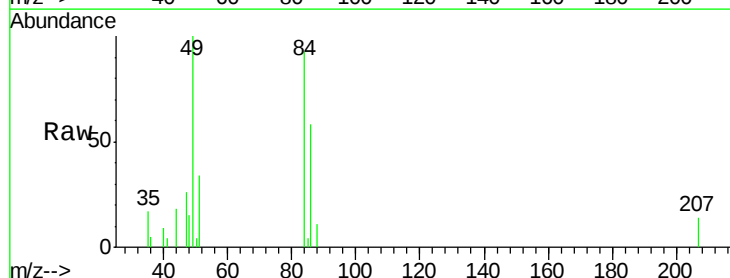
Instrument :
MSVOA_W
ClientSampled :

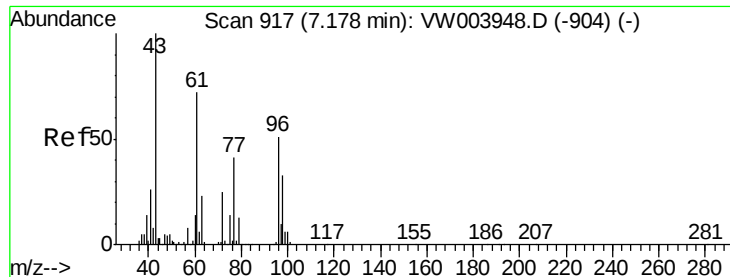
Tot Ion: 43 Resp: 450
Ion Ratio Lower Upper
43 100
74 4.2 17.7 26.5#



#20
Methylene Chloride
Concen: 10.954 ug/l
RT: 4.90 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW004161.D
Acq: 24 Jul 2018 03:19

Tgt Ion: 84 Resp: 4673
Ion Ratio Lower Upper
84 100
49 107.9 102.9 154.3
51 36.2 30.9 46.3
86 63.1 49.9 74.9





#25

2-Butanone

Concen: 1.560 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004161.D

Acq: 24 Jul 2018 03:19

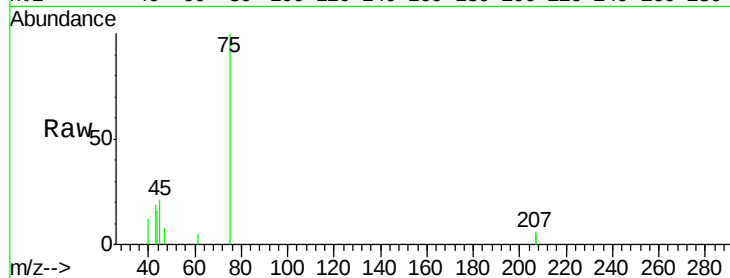
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 130

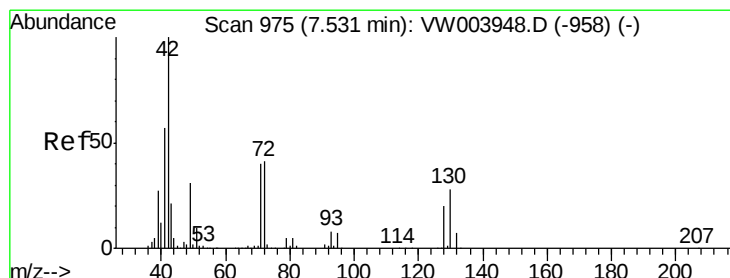
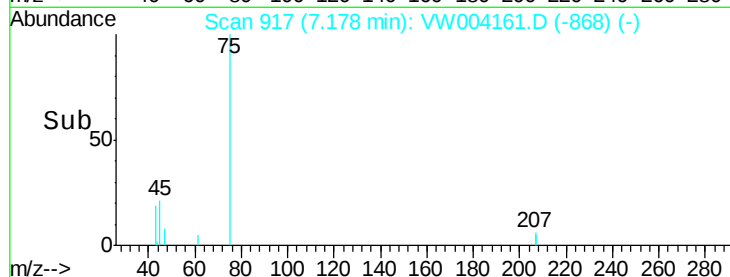
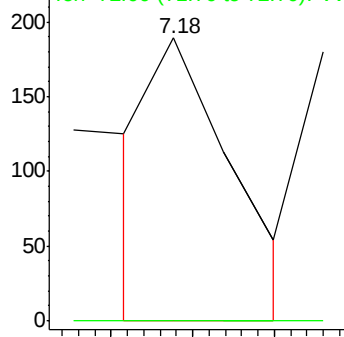
Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 3.391 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW004161.D

Acq: 24 Jul 2018 03:19

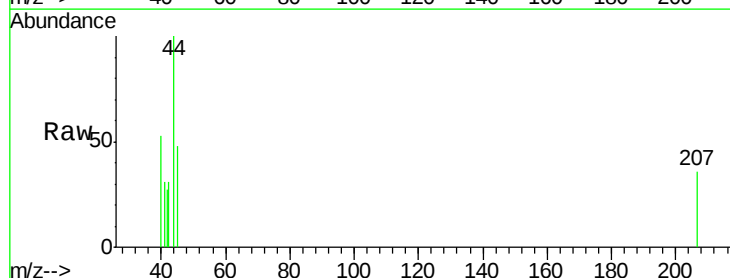
Tgt Ion: 42 Resp: 176

Ion Ratio Lower Upper

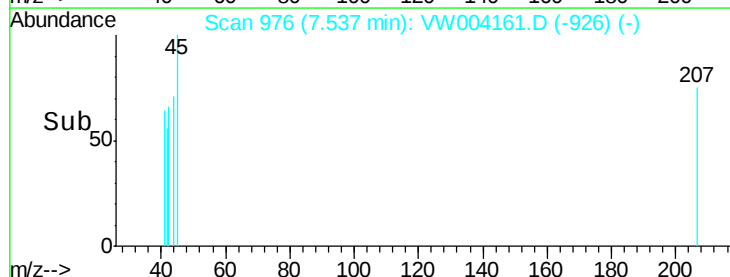
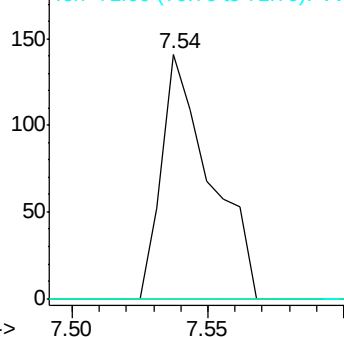
42 100

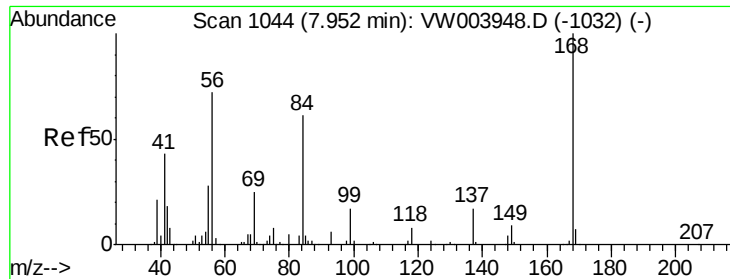
72 0.0 32.6 48.8#

71 0.0 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: 1.504 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004161.D

Acq: 24 Jul 2018 03:19

Instrument :
MSVOA_W
ClientSampled :

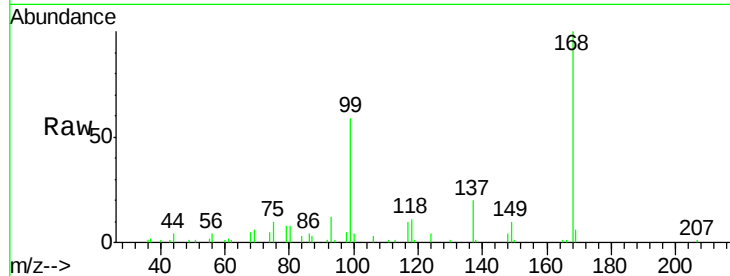
Tot Ion: 56 Resp: 643

Ion Ratio Lower Upper

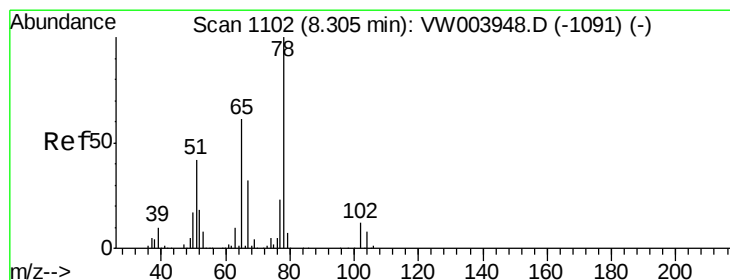
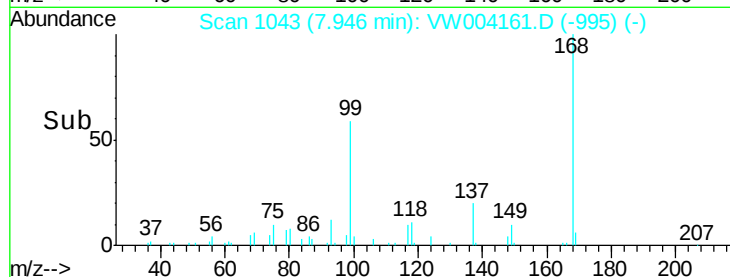
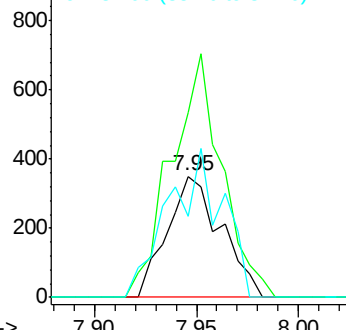
56 100

69 151.9 27.8 41.8#

84 67.2 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: 101.476 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW004161.D

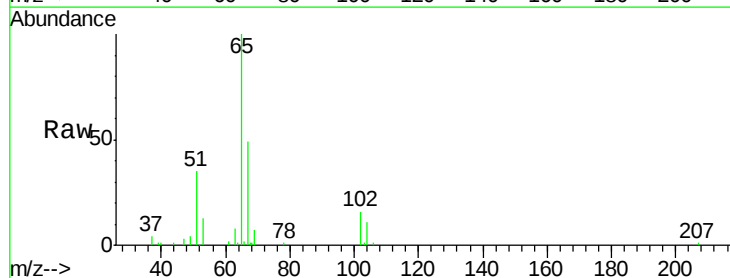
Acq: 24 Jul 2018 03:19

Tgt Ion: 65 Resp: 26150

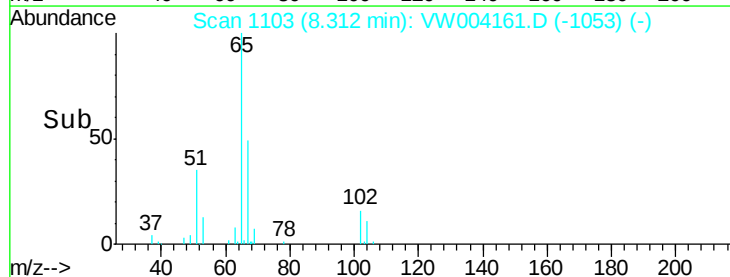
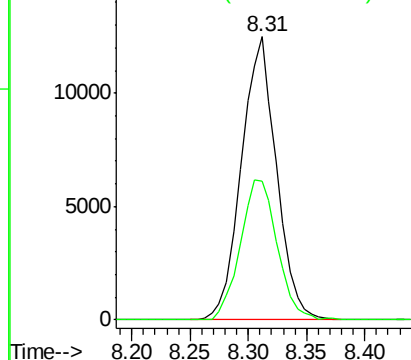
Ion Ratio Lower Upper

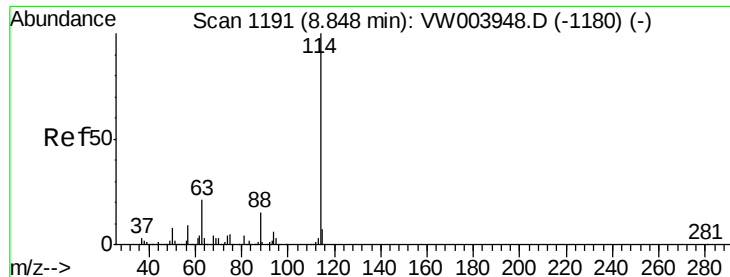
65 100

67 52.0 0.0 105.0



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: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW004161.D

Acq: 24 Jul 2018 03:19

Instrument :

MSVOA_W

ClientSampleId :

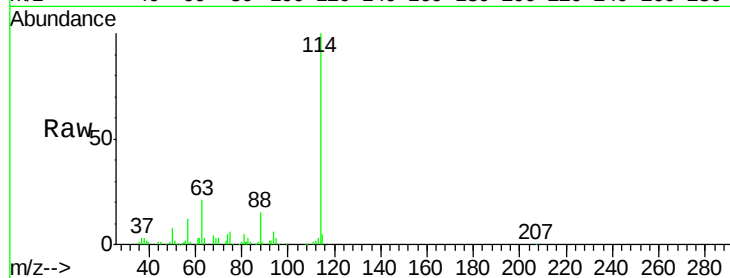
Tot Ion:114 Resp: 42154

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

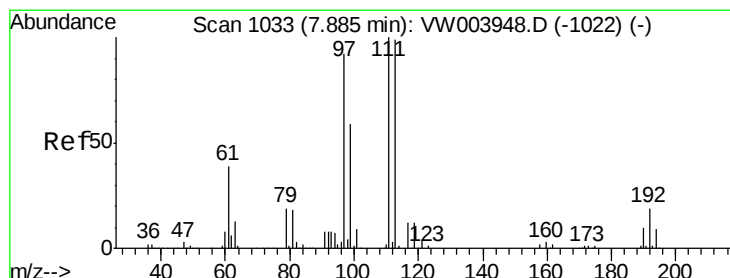
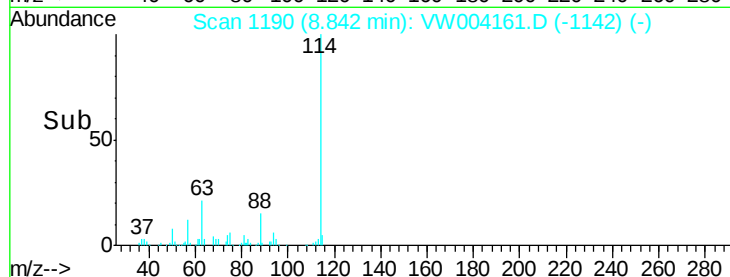
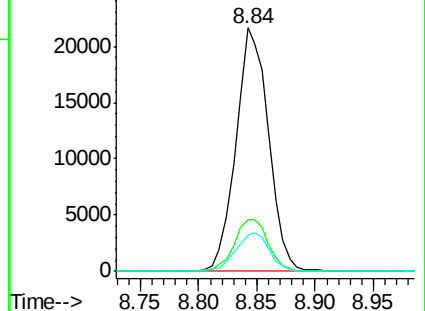
88 15.1 0.0 30.4



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: 73.875 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004161.D

Acq: 24 Jul 2018 03:19

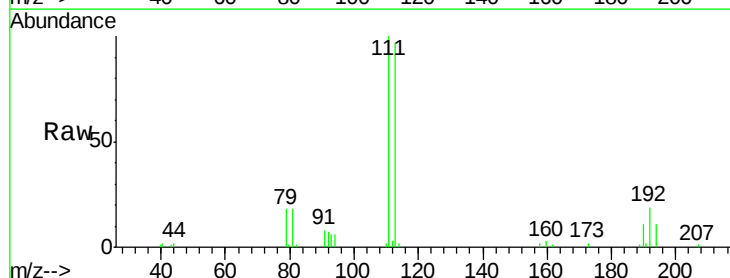
Tgt Ion:113 Resp: 19981

Ion Ratio Lower Upper

113 100

111 101.3 81.3 121.9

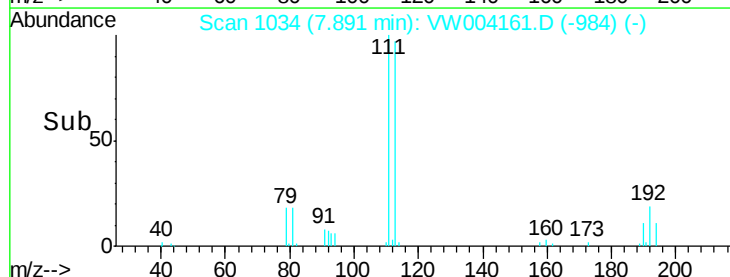
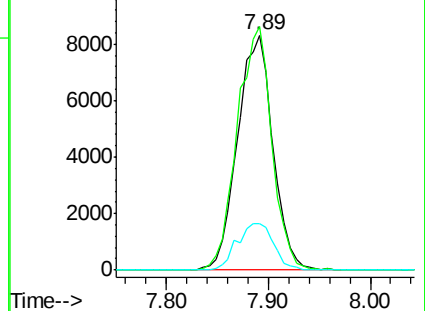
192 20.5 15.8 23.6

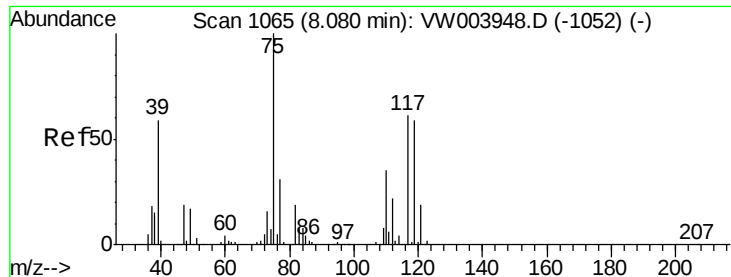


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

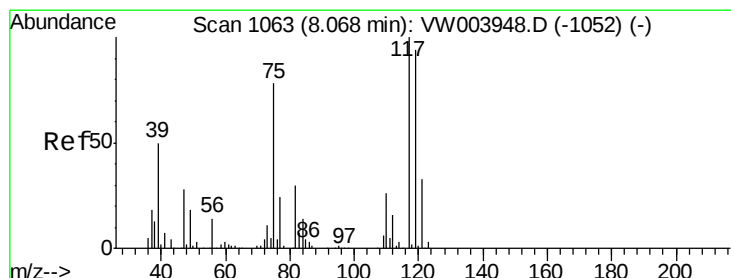
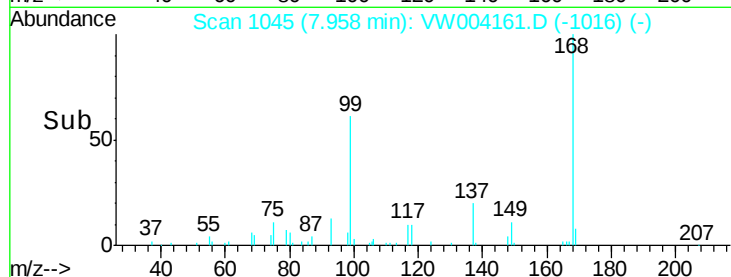
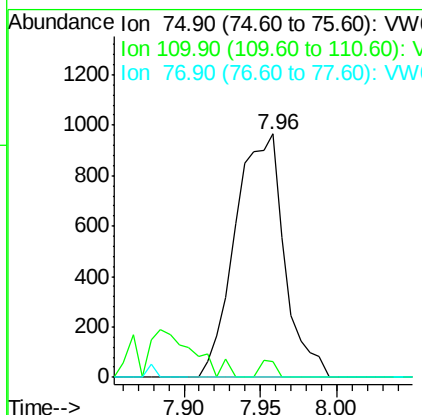
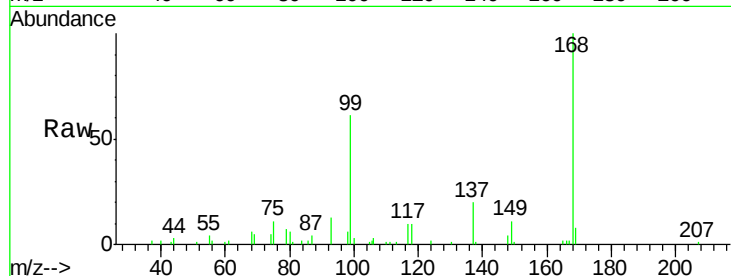




#36
 1,1-Dichloropropene
 Concen: 4.971 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.12 min
 Lab File: VW004161.D
 Acq: 24 Jul 2018 03:19

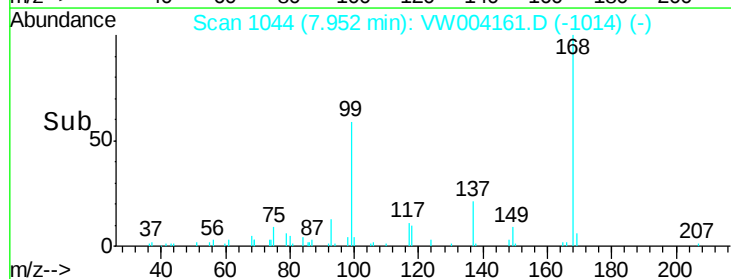
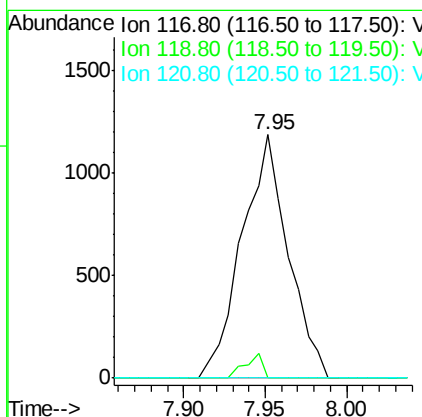
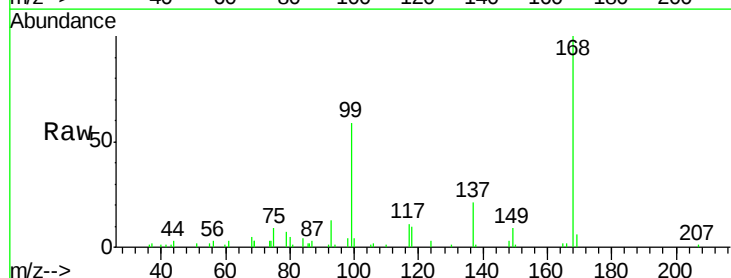
Instrument :
 MSVOA_W
 ClientSampleId :

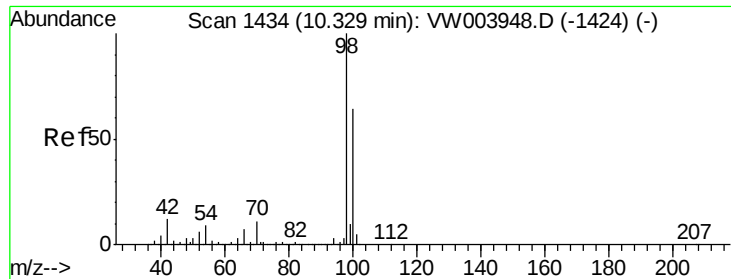
Tot Ion	Ratio	Lower	Upper
75	100		
110	2.2	17.0	51.0#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.772 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004161.D
 Acq: 24 Jul 2018 03:19

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





#50

Toluene-d8

Concen: 35.294 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004161.D

Acq: 24 Jul 2018 03:19

Instrument :

MSVOA_W

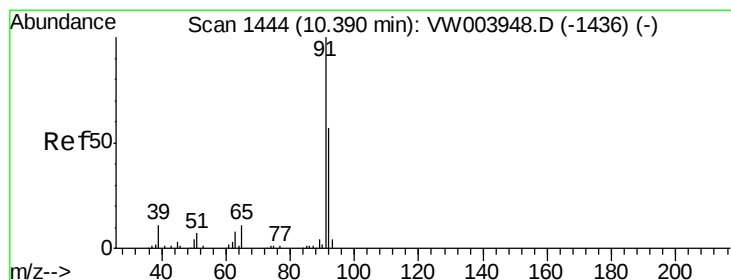
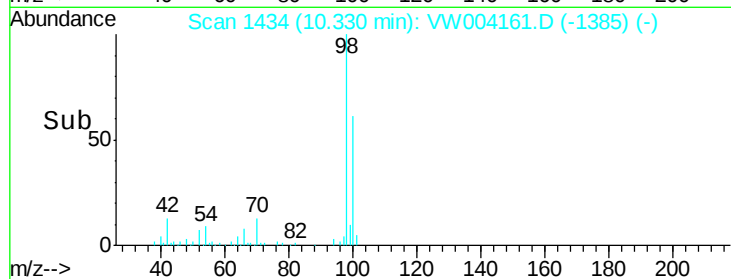
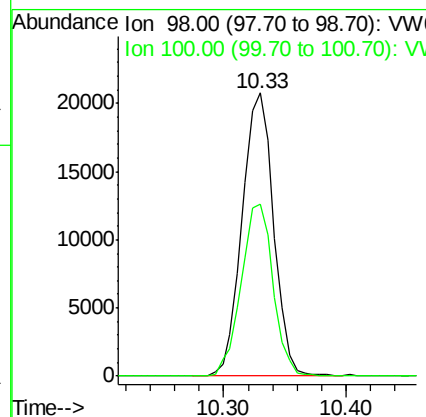
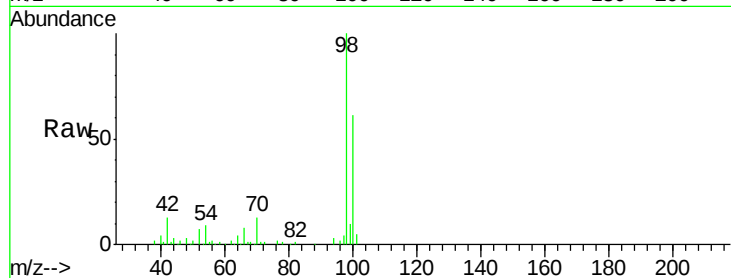
ClientSampled :

Tot Ion: 98 Resp: 37041

Ion Ratio Lower Upper

98 100

100 61.7 51.2 76.8



#52

Toluene

Concen: 1.047 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004161.D

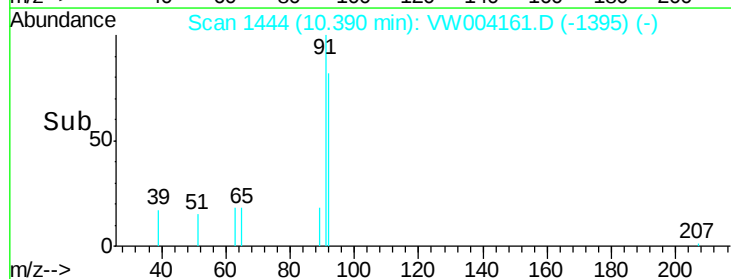
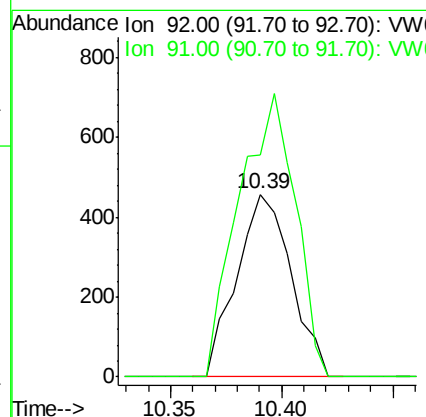
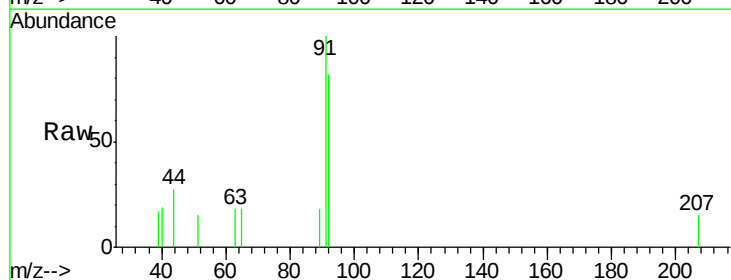
Acq: 24 Jul 2018 03:19

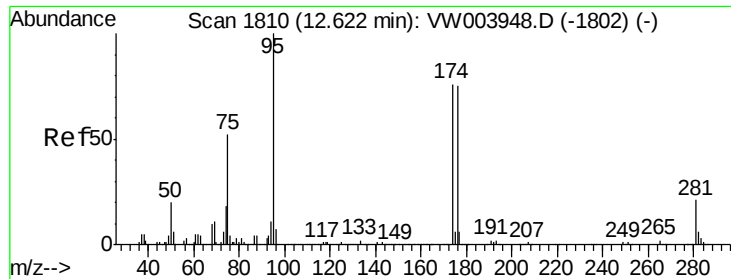
Tgt Ion: 92 Resp: 779

Ion Ratio Lower Upper

92 100

91 160.8 139.6 209.4

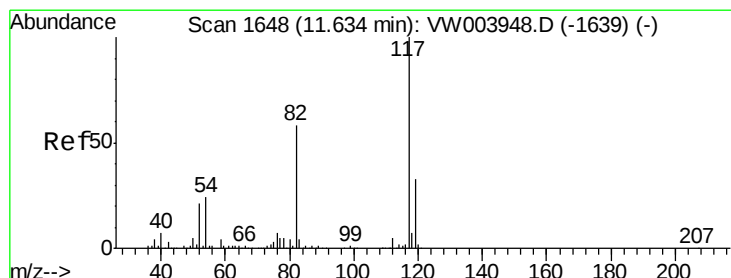
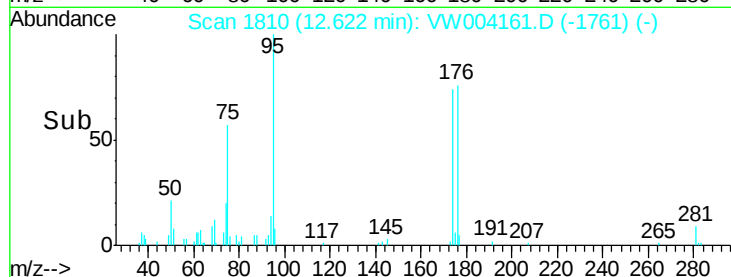
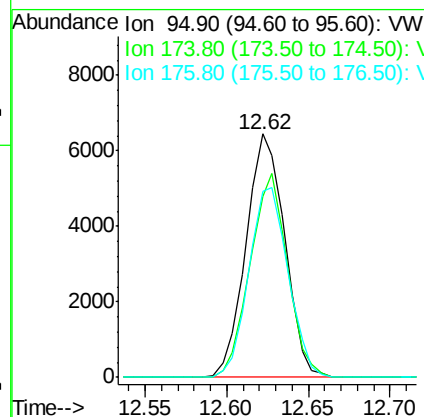
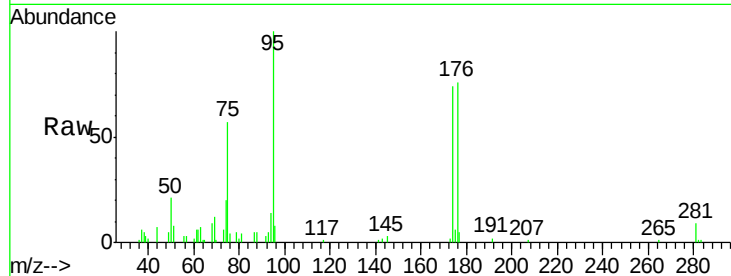




#62
4-Bromofluorobenzene
Concen: 28.155 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004161.D
Acq: 24 Jul 2018 03:19

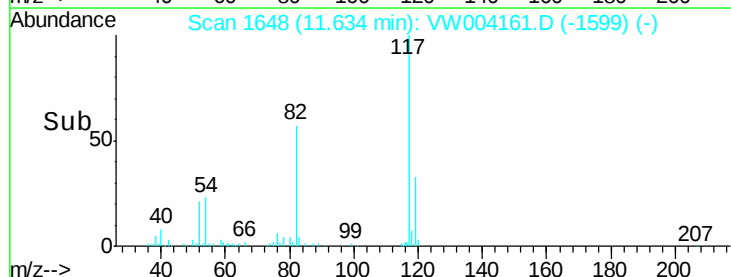
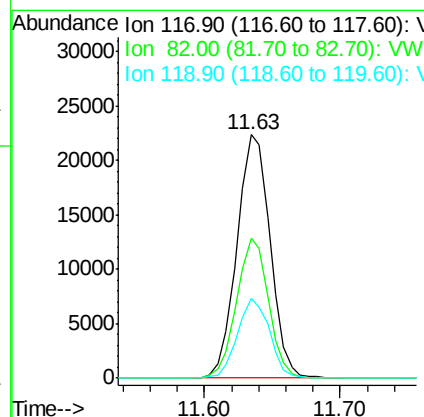
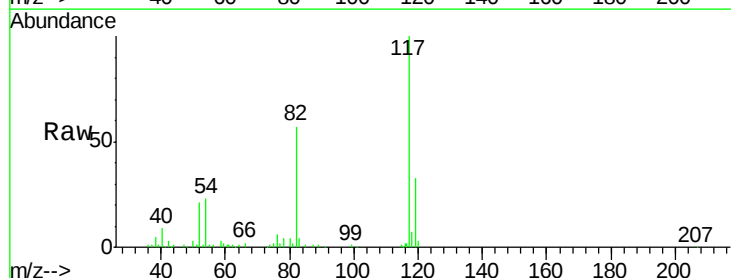
Instrument :
MSVOA_W
ClientSampled :

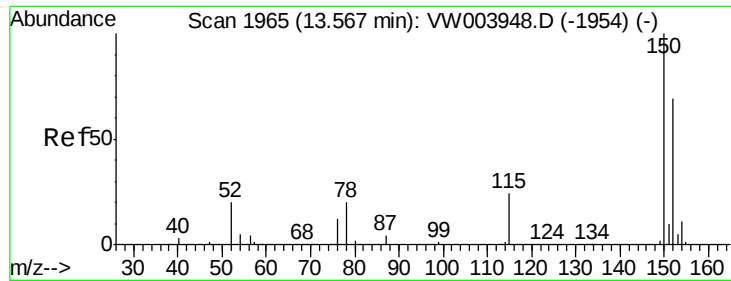
Tot Ion: 95 Resp: 10655
Ion Ratio Lower Upper
95 100
174 80.7 0.0 160.2
176 79.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004161.D
Acq: 24 Jul 2018 03:19

Tgt Ion: 117 Resp: 37958
Ion Ratio Lower Upper
117 100
82 57.5 46.5 69.7
119 32.9 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: VW004161.D

Acq: 24 Jul 2018 03:19

Instrument :

MSVOA_W

ClientSampleId :

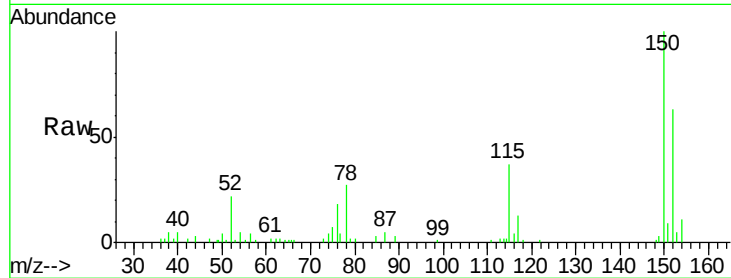
Tot Ion:152 Resp: 10249

Ion Ratio Lower Upper

152 100

115 59.1 29.2 87.6

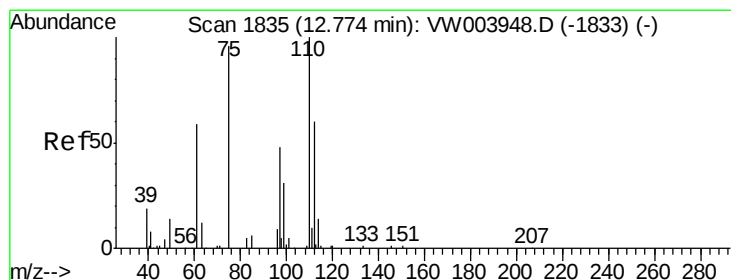
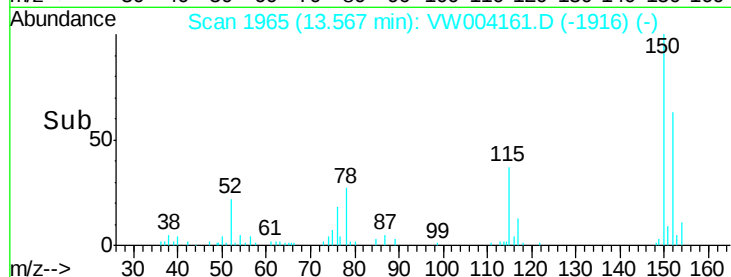
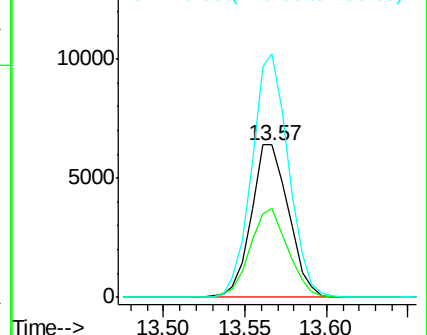
150 155.8 0.0 345.2



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: 54.045 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004161.D

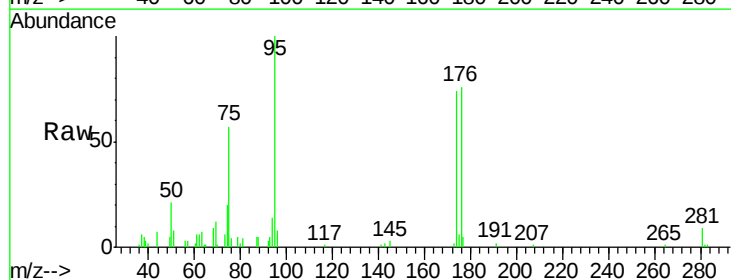
Acq: 24 Jul 2018 03:19

Tgt Ion: 75 Resp: 5499

Ion Ratio Lower Upper

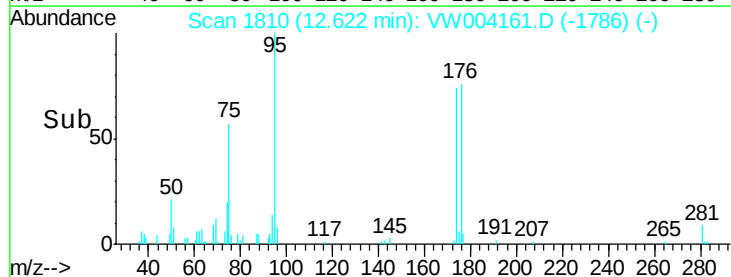
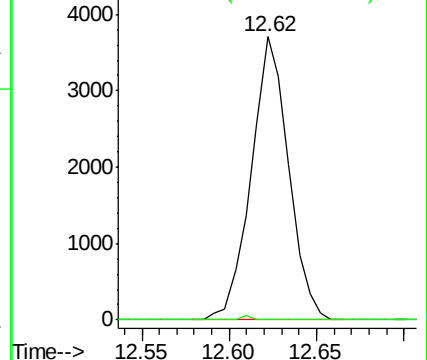
75 100

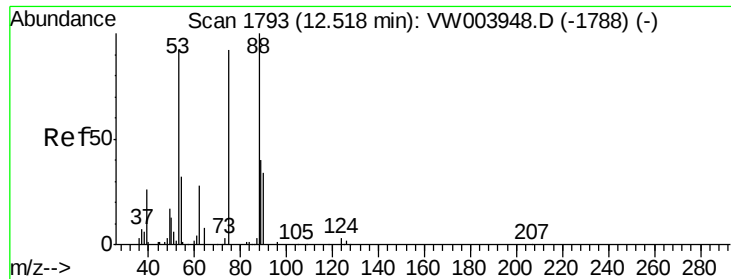
77 0.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

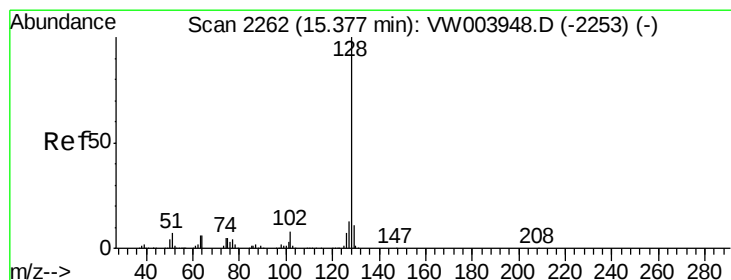
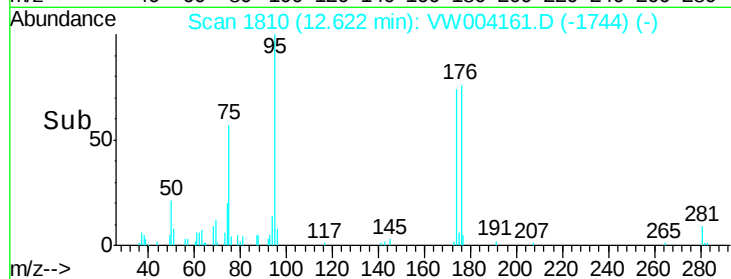
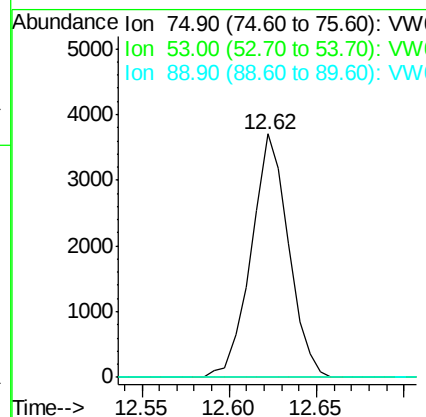
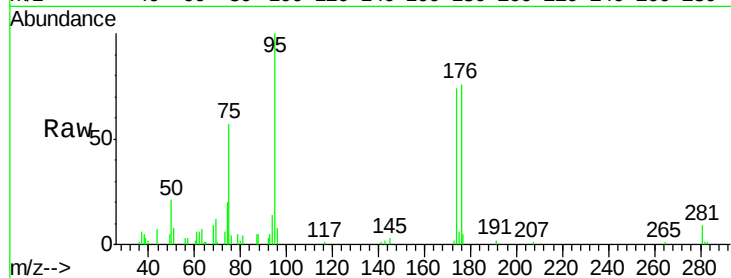




#81
trans-1,4-Dichloro-2-butene
Concen: 119.546 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004161.D
Acq: 24 Jul 2018 03:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 5499
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 36.6 54.8#



#95
Naphthalene
Concen: 1.744 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004161.D
Acq: 24 Jul 2018 03:19

Tgt Ion: 128 Resp: 697
Ion Ratio Lower Upper
128 100
127 9.8 10.7 16.1#
129 8.2 8.7 13.1#

