

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003960.D
 Acq On : 16 Jul 2018 19:16
 Operator : VA/AP
 Sample : J3975-05
 Misc : 5.92G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 17 05:51:19 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	216464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	348482	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	291338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	114290	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	126655	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
35) Dibromofluoromethane	7.88	113	110997	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	10.33	98	393054	45.30	ug/l	0.00
Spiked Amount			Recovery	=	90.60%	
62) 4-Bromofluorobenzene	12.62	95	120330	38.46	ug/l	0.00
Spiked Amount			Recovery	=	76.92%	

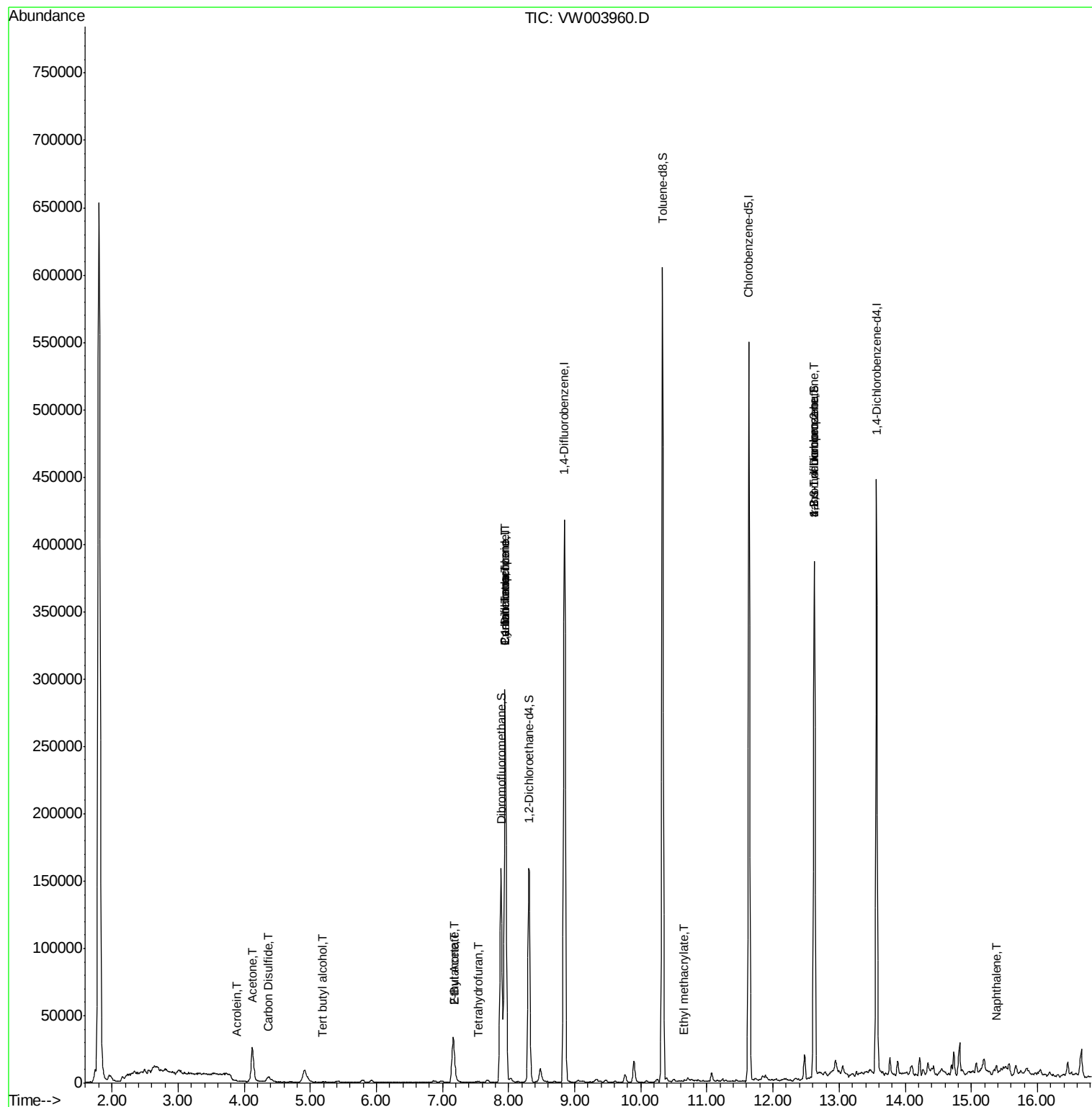
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	669	4.005	ug/l #	72
13) Acrolein	3.88	56	251	1.462	ug/l #	73
16) Acetone	4.12	43	44620	76.741	ug/l	94
17) Carbon Disulfide	4.36	76	10114	1.540	ug/l	99
20) Methylene Chloride	4.91	84	8405	Below Cal	#	84
25) 2-Butanone	7.18	43	8796	11.242	ug/l	99
29) Tetrahydrofuran	7.55	42	534	1.096	ug/l #	50
31) Cyclohexane	7.95	56	5245	1.307	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	17779	4.959	ug/l #	51
37) Ethyl Acetate	7.18	43	8796	5.086	ug/l #	72
38) Carbon Tetrachloride	7.95	117	21547	6.432	ug/l #	18
56) Ethyl methacrylate	10.66	69	185	3.012	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	63733	56.170	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63733	124.247	ug/l #	11
95) Naphthalene	15.38	128	6784	1.522	ug/l #	92

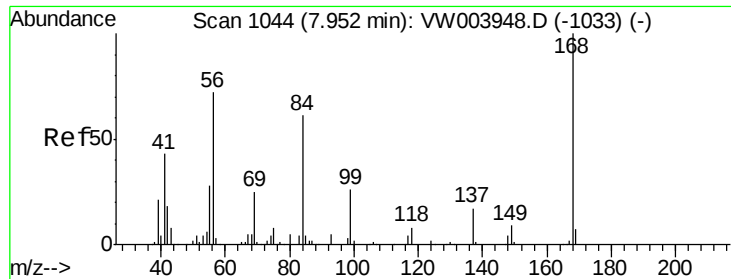
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071618\
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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: VW003960.D

Acq: 16 Jul 2018 19:16

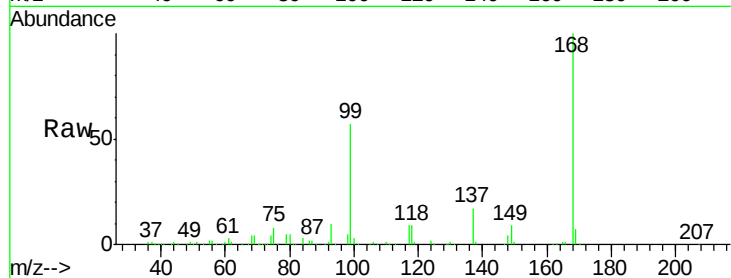
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 216464

Ion Ratio Lower Upper

168 100

99 56.6 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

100000

80000

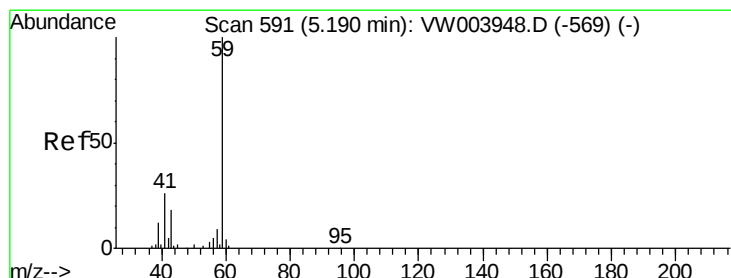
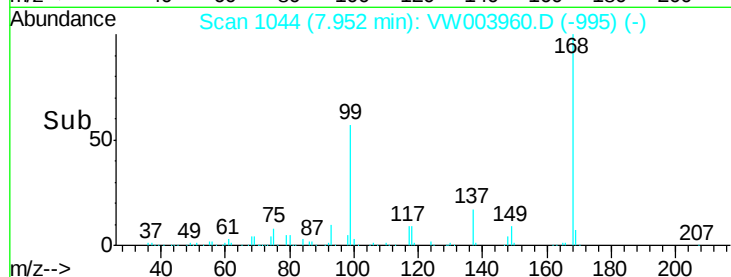
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.005 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.00 min

Lab File: VW003960.D

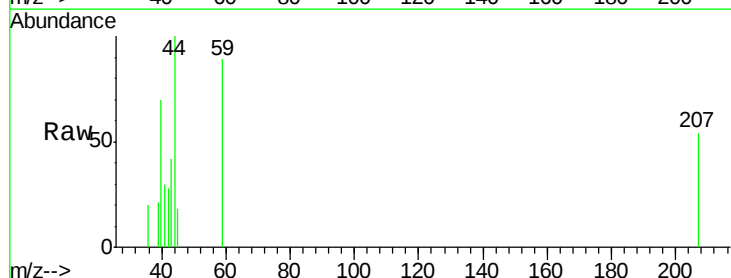
Acq: 16 Jul 2018 19:16

Tgt Ion: 59 Resp: 669

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

300

250

200

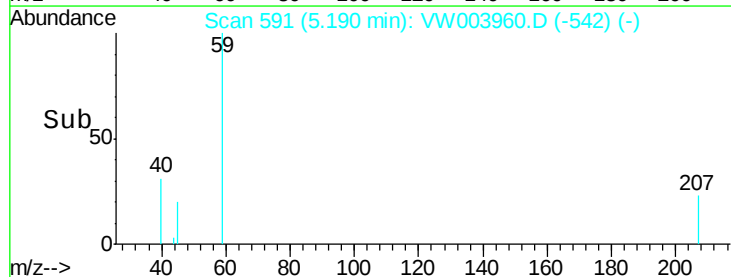
150

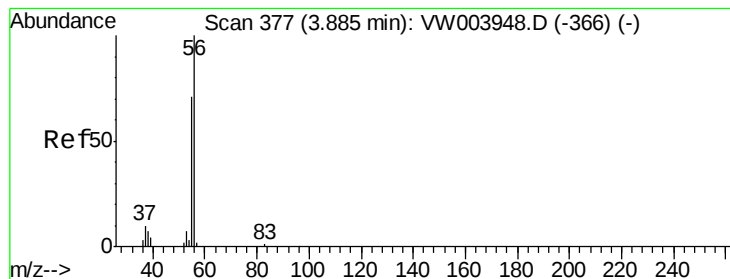
100

50

0

Time-->





#13

Acrolein

Concen: 1.462 ug/l

RT: 3.88 min Scan# 376

Delta R.T. -0.01 min

Lab File: VW003960.D

Acq: 16 Jul 2018 19:16

Instrument :

MSVOA_W

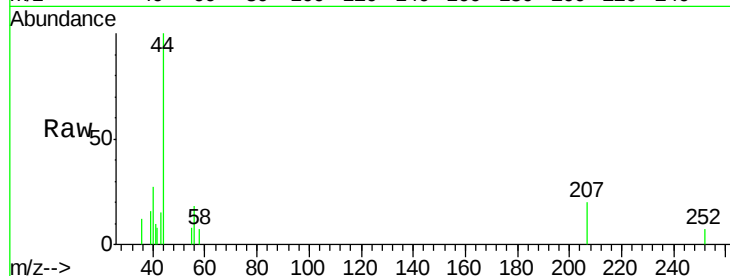
ClientSampleId :

Tot Ion: 56 Resp: 251

Ion Ratio Lower Upper

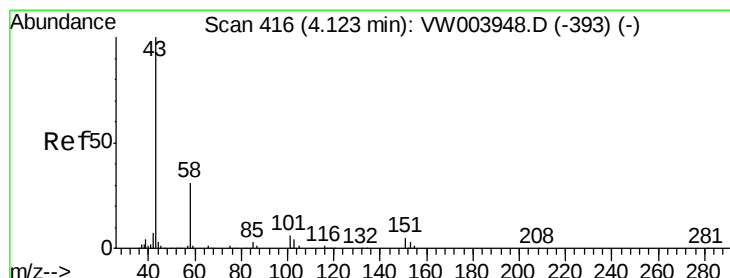
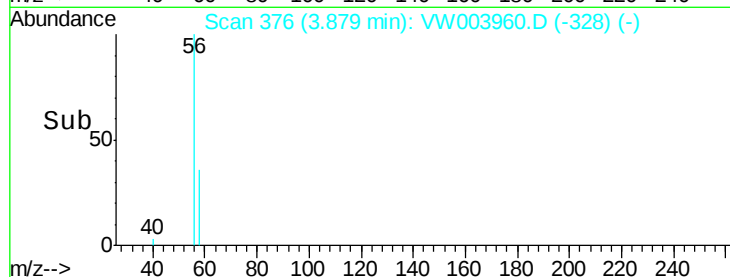
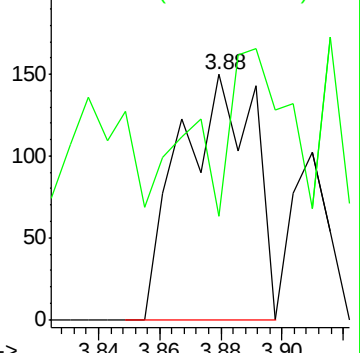
56 100

55 49.8 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 76.741 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW003960.D

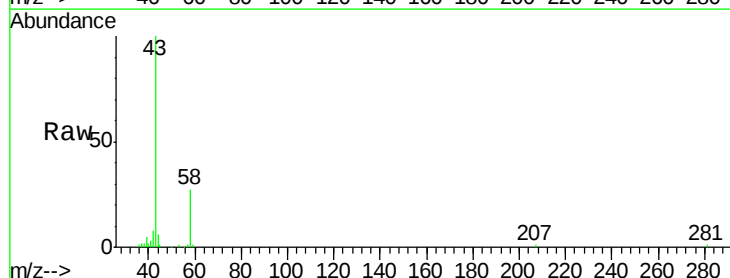
Acq: 16 Jul 2018 19:16

Tgt Ion: 43 Resp: 44620

Ion Ratio Lower Upper

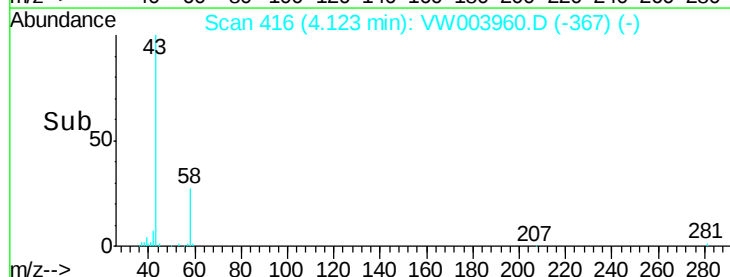
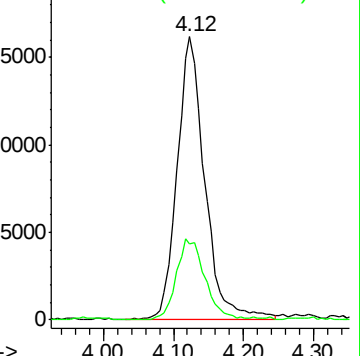
43 100

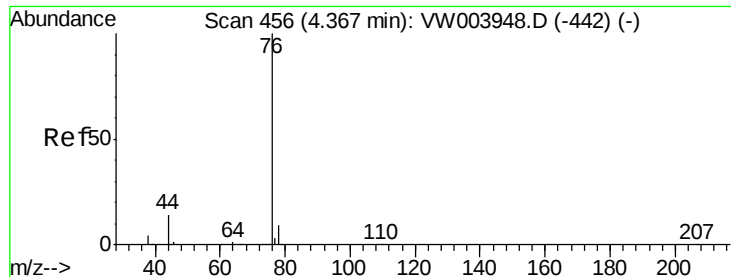
58 27.1 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

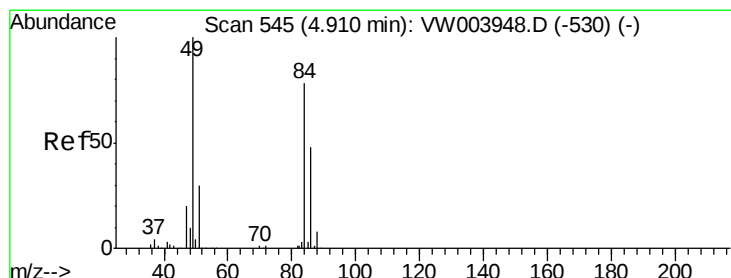
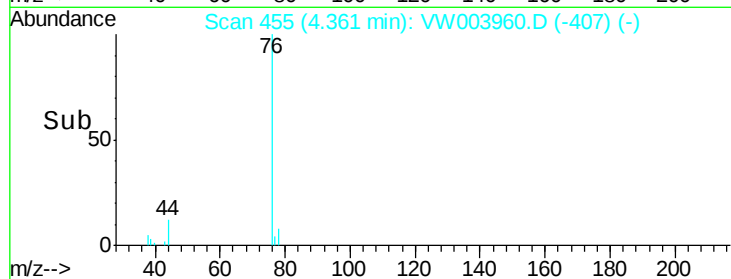
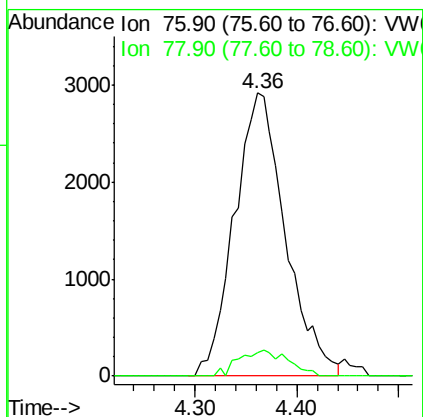
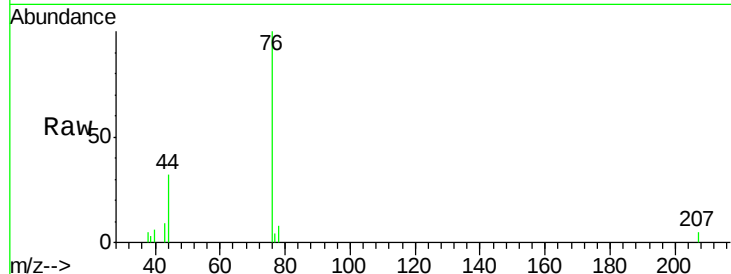




#17
Carbon Disulfide
Concen: 1.540 ug/l
RT: 4.36 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW003960.D
Acq: 16 Jul 2018 19:16

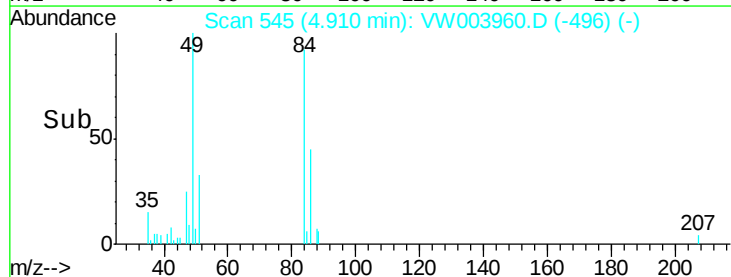
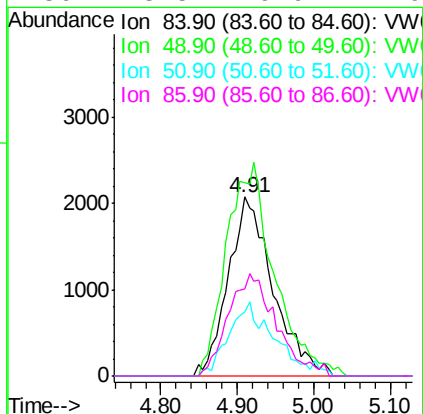
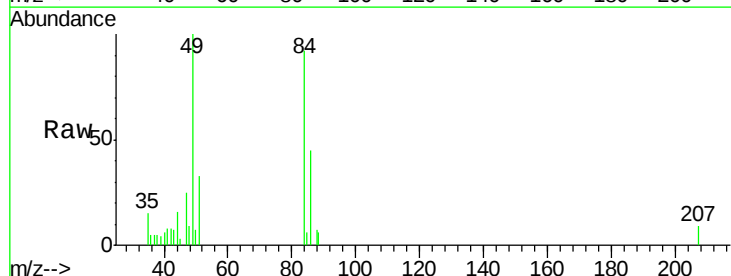
Instrument :
MSVOA_W
ClientSampleId :

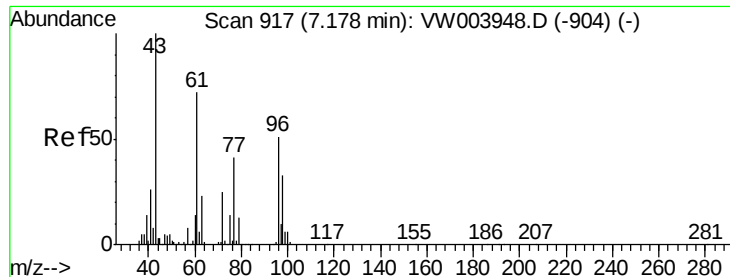
Tot Ion: 76 Resp: 10114
Ion Ratio Lower Upper
76 100
78 8.4 7.1 10.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003960.D
Acq: 16 Jul 2018 19:16

Tgt Ion: 84 Resp: 8405
Ion Ratio Lower Upper
84 100
49 108.3 102.9 154.3
51 35.7 30.9 46.3
86 48.5 49.9 74.9#





#25

2-Butanone

Concen: 11.242 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW003960.D

Acq: 16 Jul 2018 19:16

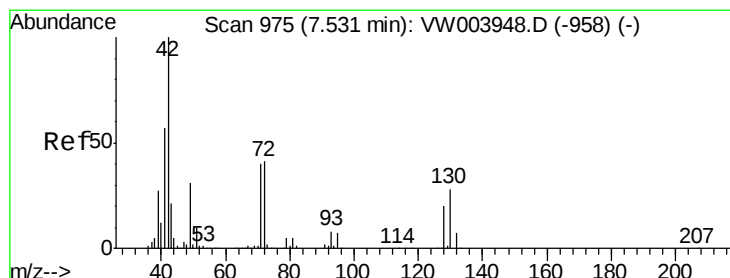
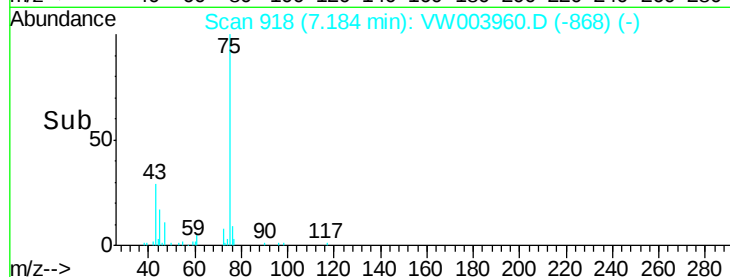
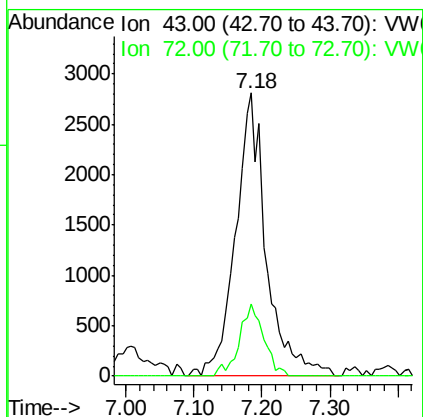
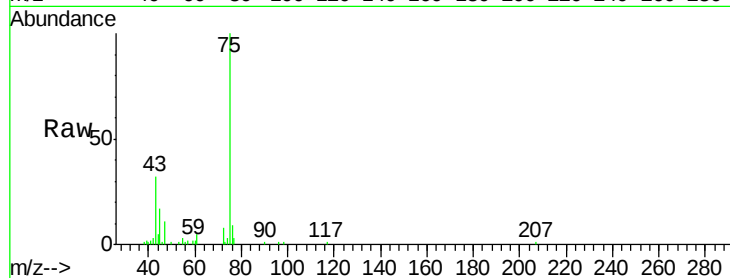
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 8796

Ion Ratio Lower Upper

43 100

72 25.4 19.8 29.6



#29

Tetrahydrofuran

Concen: 1.096 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.02 min

Lab File: VW003960.D

Acq: 16 Jul 2018 19:16

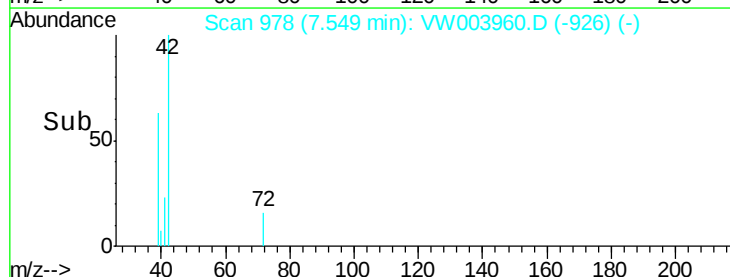
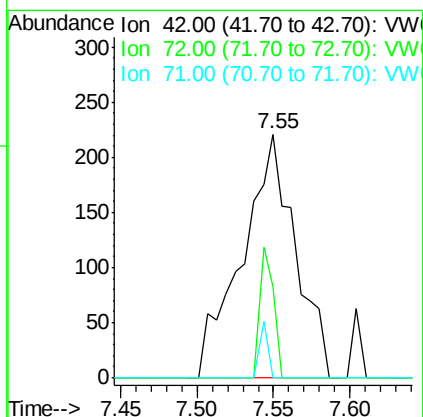
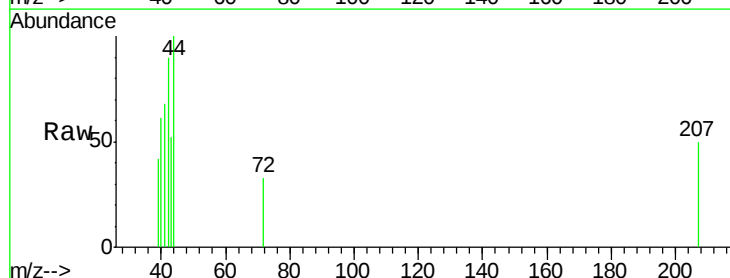
Tgt Ion: 42 Resp: 534

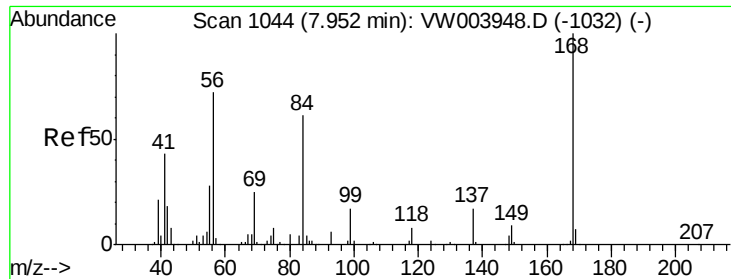
Ion Ratio Lower Upper

42 100

72 13.9 32.6 48.8#

71 3.6 30.5 45.7#

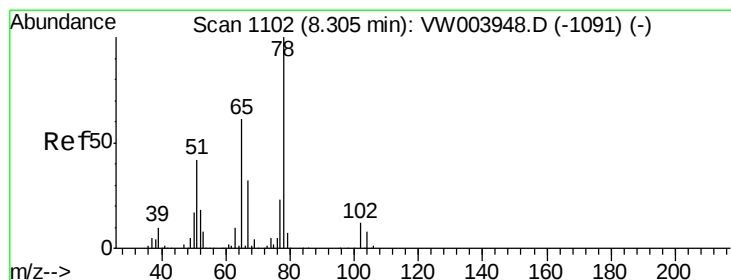
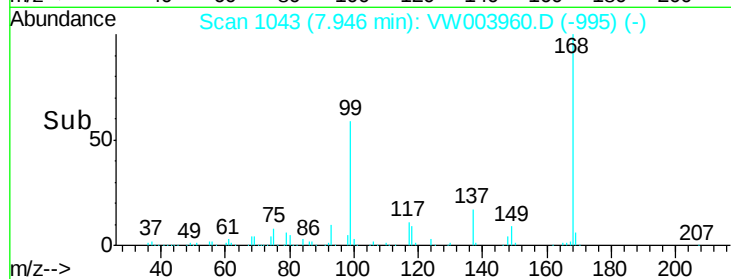
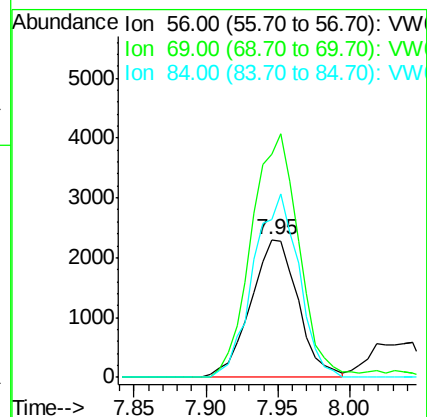
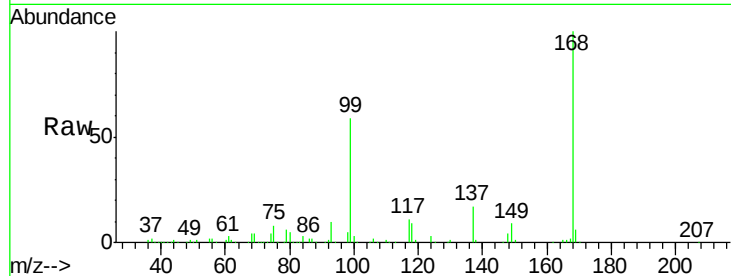




#31
Cyclohexane
Concen: 1.307 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003960.D
Acq: 16 Jul 2018 19:16

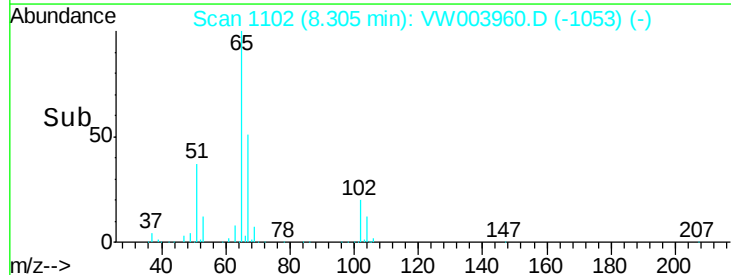
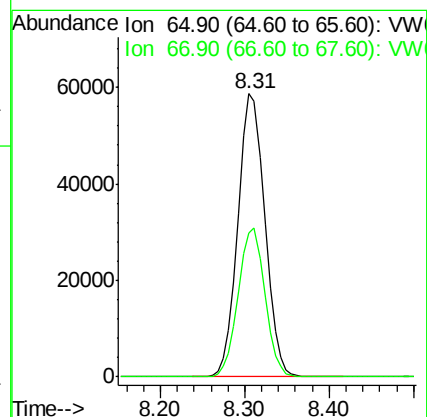
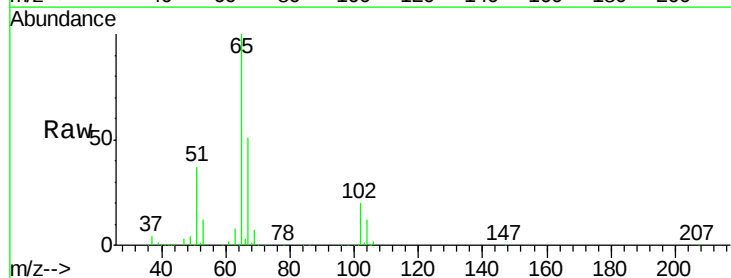
Instrument :
MSVOA_W
ClientSampled :

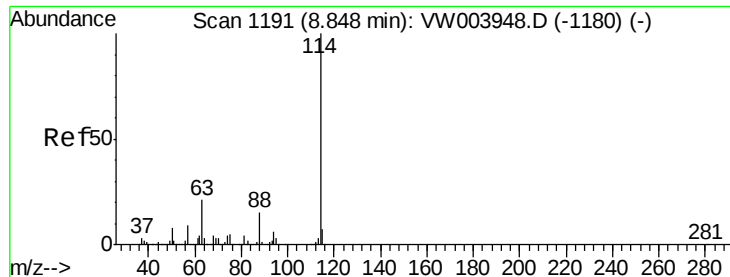
Tot Ion: 56 Resp: 5245
Ion Ratio Lower Upper
56 100
69 162.3 27.8 41.8#
84 114.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.345 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW003960.D
Acq: 16 Jul 2018 19:16

Tgt Ion: 65 Resp: 126655
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.0

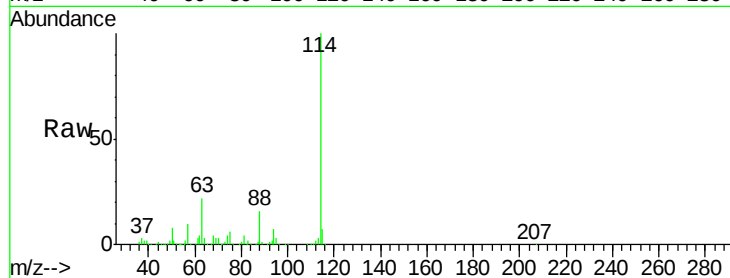




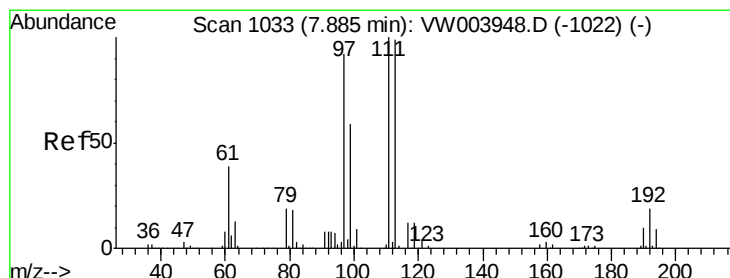
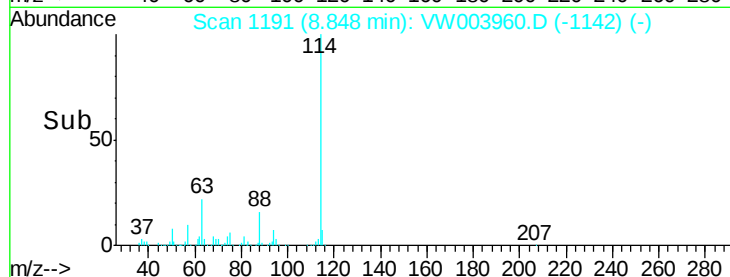
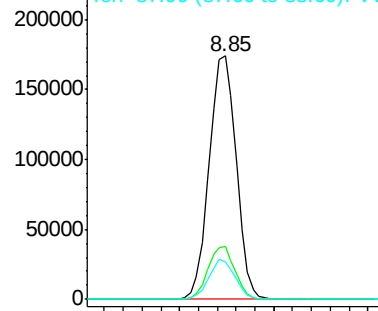
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VW003960.D
Acq: 16 Jul 2018 19:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.8
88	15.6	0.0	30.4

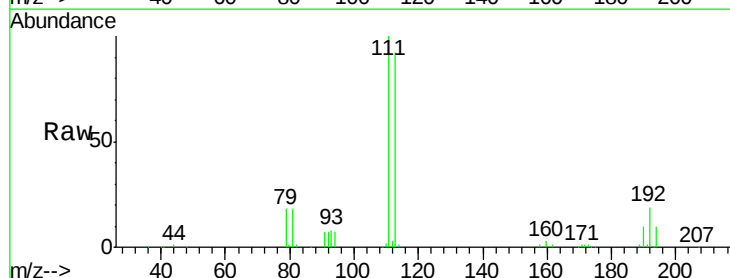


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

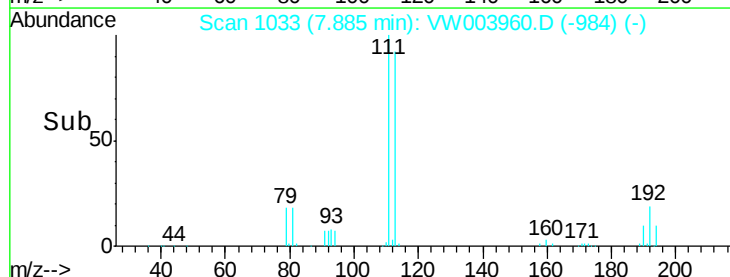
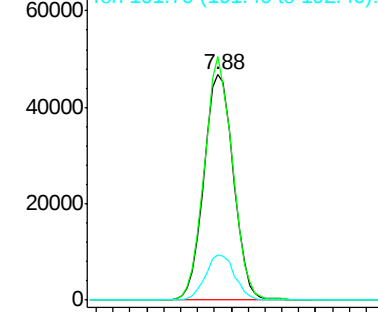


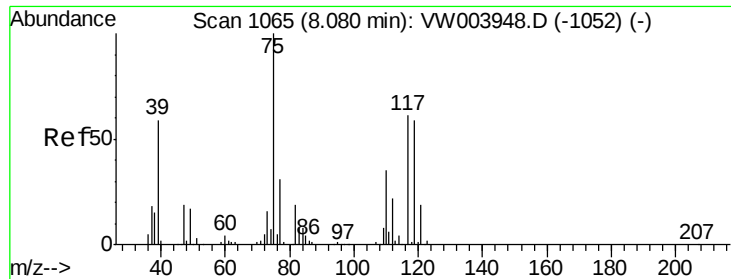
#35
Dibromofluoromethane
Concen: 49.642 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003960.D
Acq: 16 Jul 2018 19:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	19.9	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

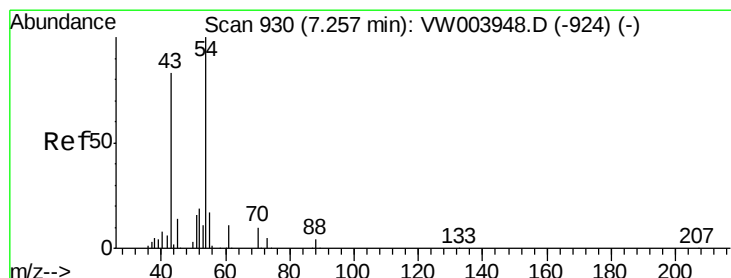
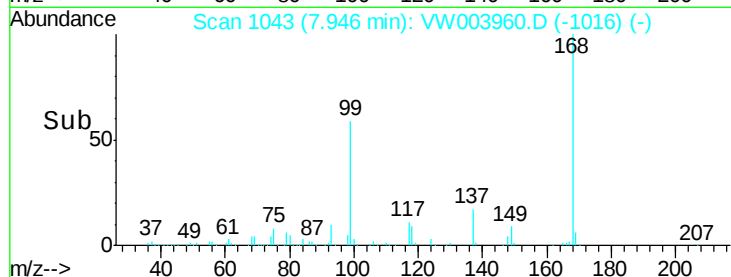
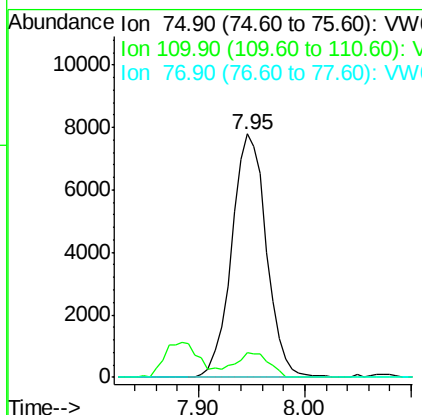
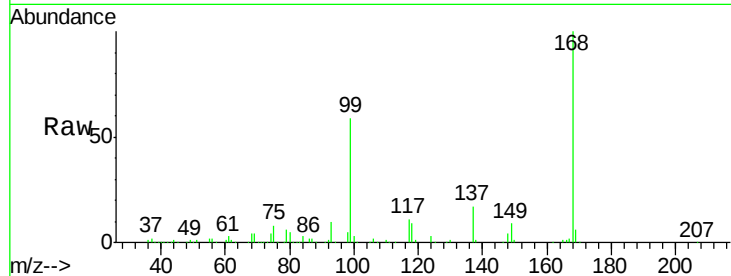




#36
 1,1-Dichloropropene
 Concen: 4.959 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003960.D
 Acq: 16 Jul 2018 19:16

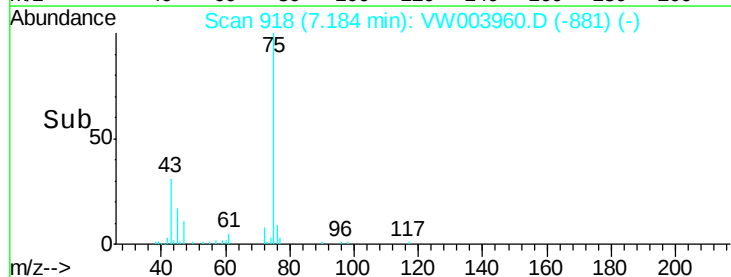
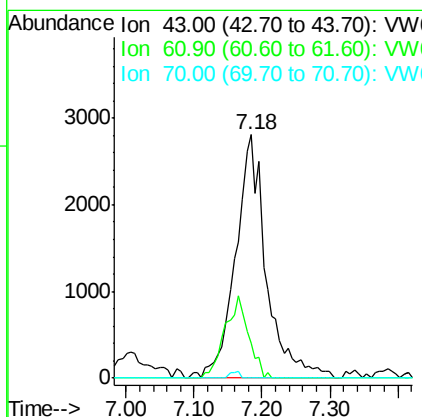
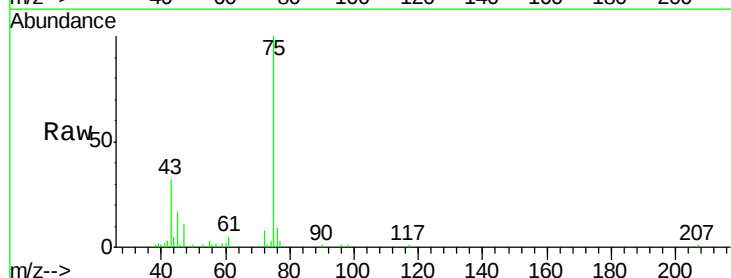
Instrument :
 MSVOA_W
 ClientSampled :

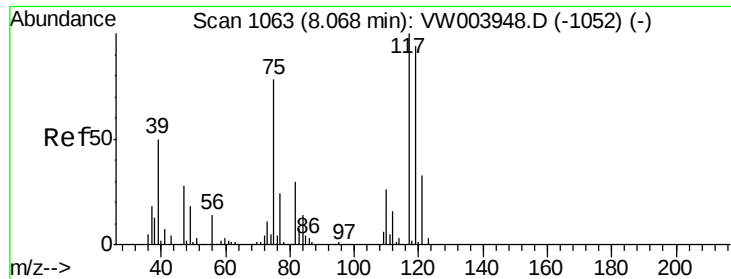
Tot Ion: 75 Resp: 17779
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.0 51.0#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 5.086 ug/l
 RT: 7.18 min Scan# 918
 Delta R.T. -0.07 min
 Lab File: VW003960.D
 Acq: 16 Jul 2018 19:16

Tgt Ion: 43 Resp: 8796
 Ion Ratio Lower Upper
 43 100
 61 26.1 10.7 16.1#
 70 0.9 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 6.432 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003960.D

Acq: 16 Jul 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

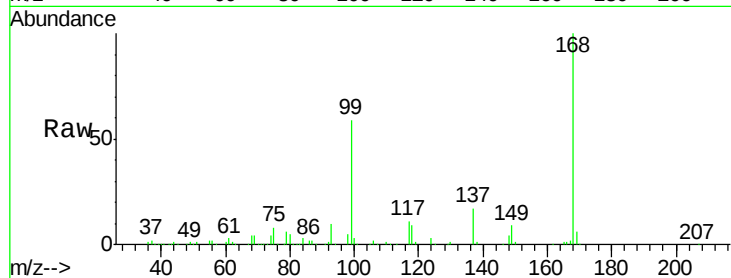
Tot Ion:117 Resp: 21547

Ion Ratio Lower Upper

117 100

119 6.9 75.3 112.9#

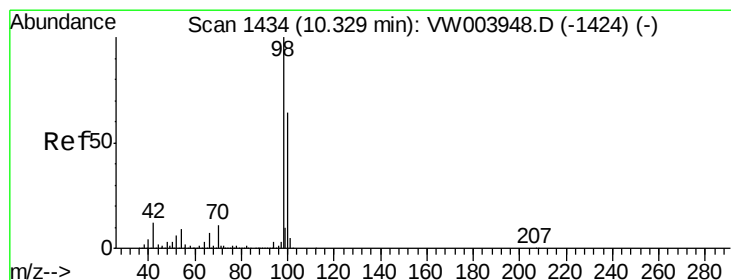
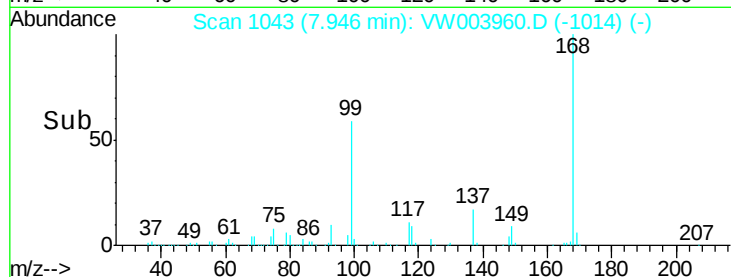
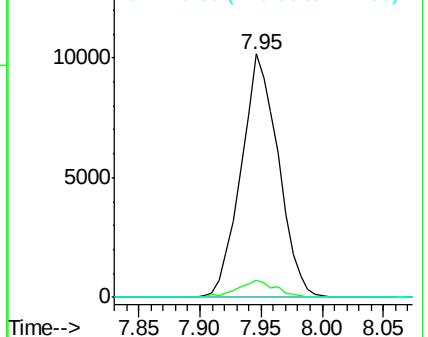
121 0.0 26.0 39.0#



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: 45.304 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003960.D

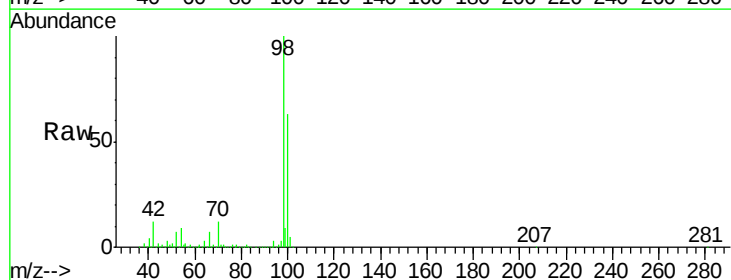
Acq: 16 Jul 2018 19:16

Tgt Ion: 98 Resp: 393054

Ion Ratio Lower Upper

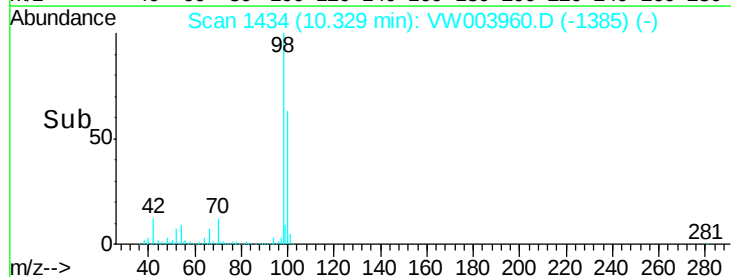
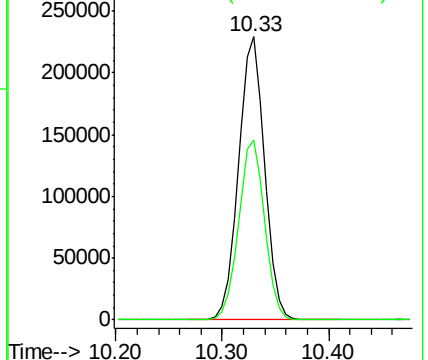
98 100

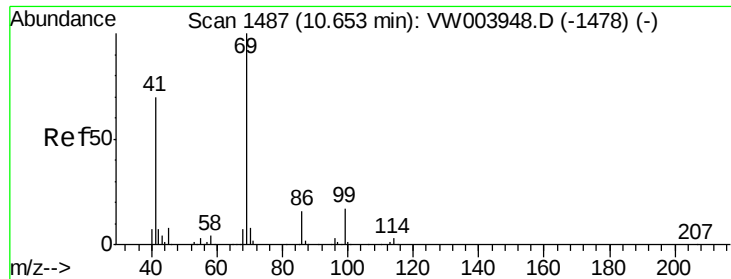
100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 3.012 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW003960.D

Acq: 16 Jul 2018 19:16

Instrument :

MSVOA_W

ClientSampled :

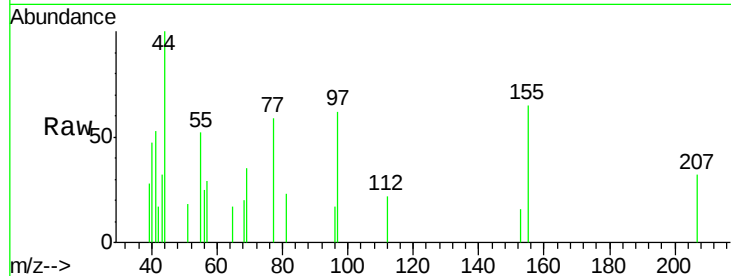
Tot Ion: 69 Resp: 185

Ion Ratio Lower Upper

69 100

41 141.6 56.5 84.7#

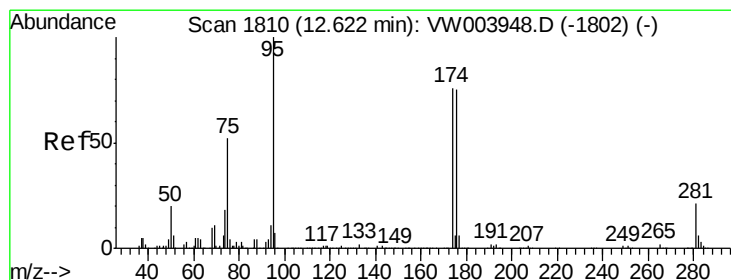
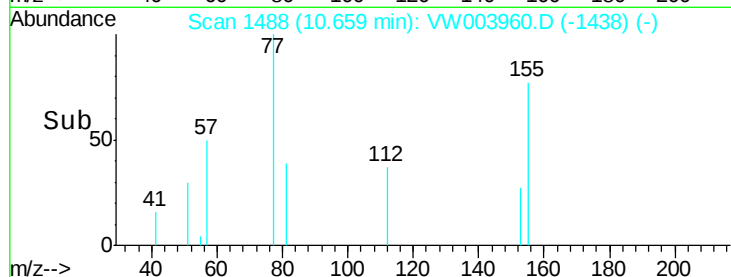
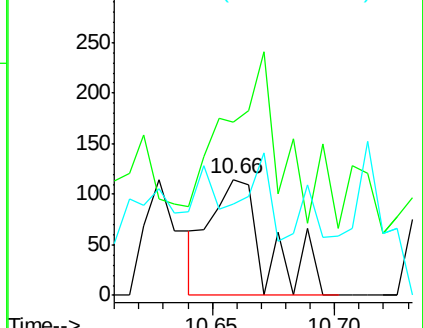
39 0.0 30.2 45.4#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#62

4-Bromofluorobenzene

Concen: 38.462 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003960.D

Acq: 16 Jul 2018 19:16

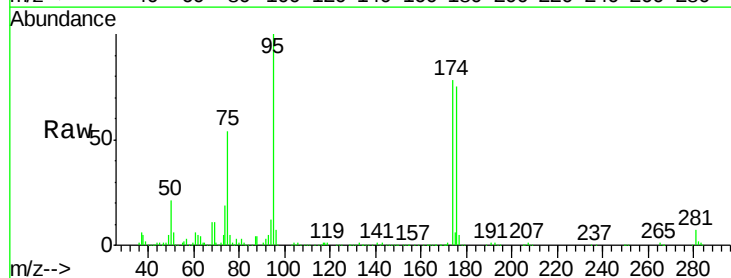
Tgt Ion: 95 Resp: 120330

Ion Ratio Lower Upper

95 100

174 81.1 0.0 160.2

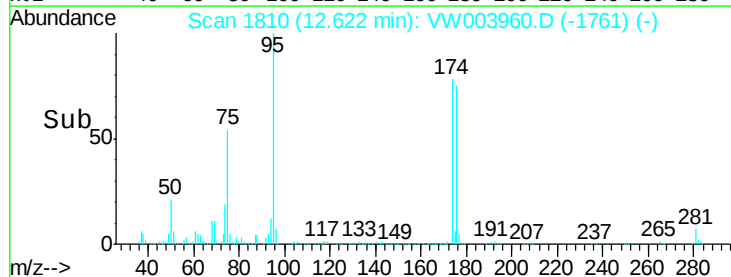
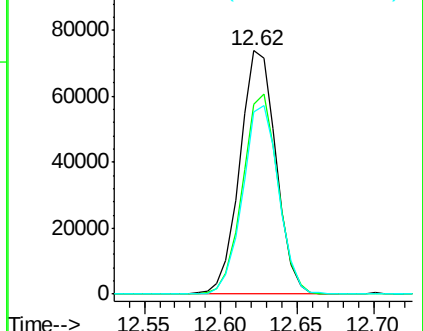
176 77.7 0.0 155.8

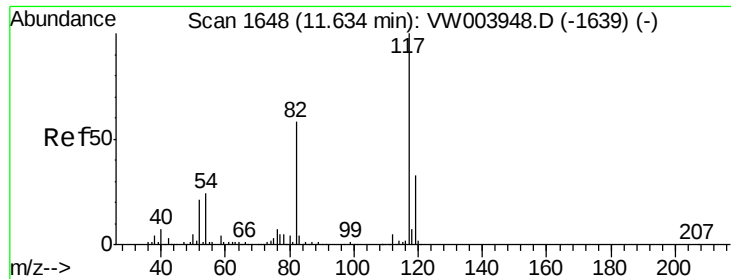


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

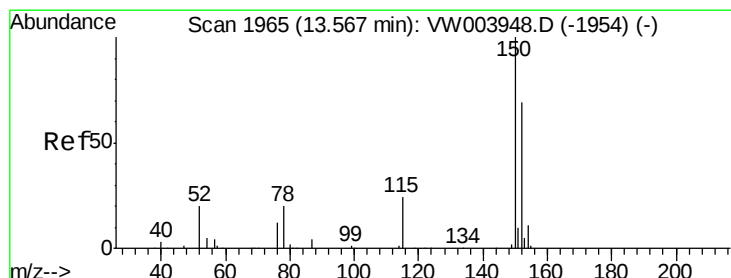
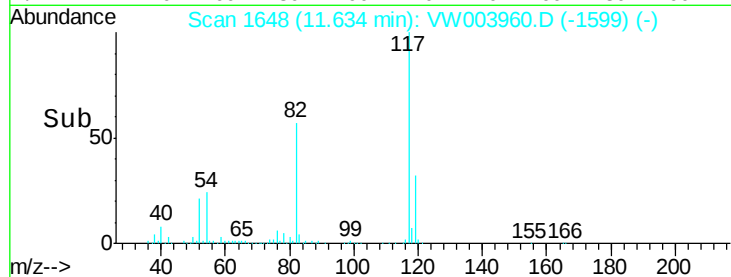
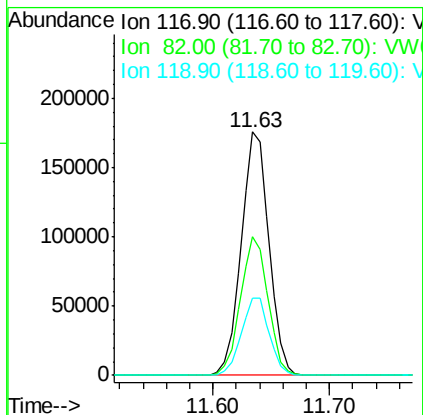
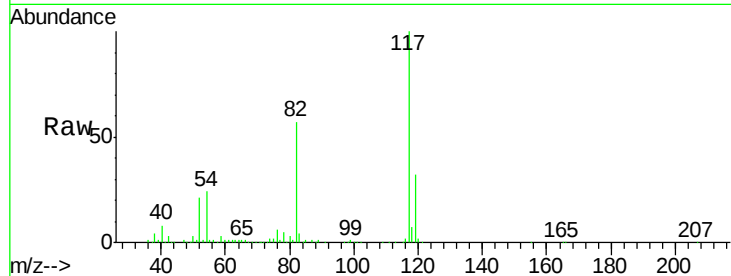




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003960.D
Acq: 16 Jul 2018 19:16

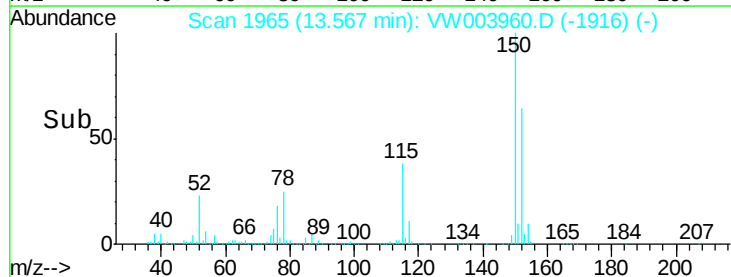
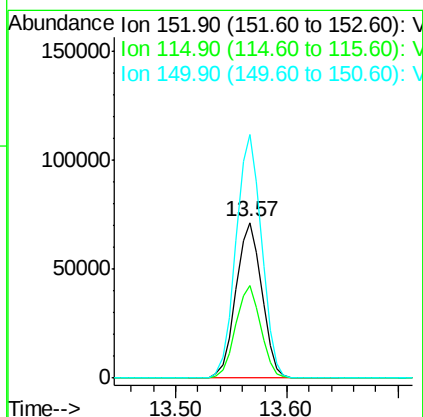
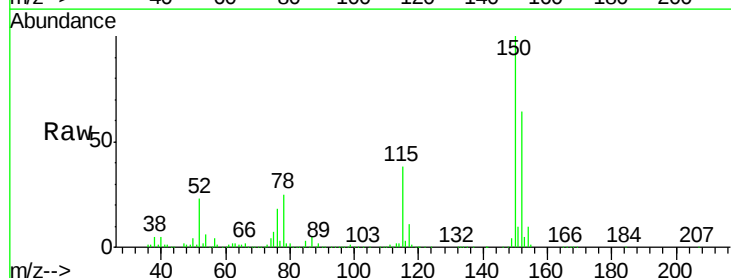
Instrument :
MSVOA_W
ClientSampled :

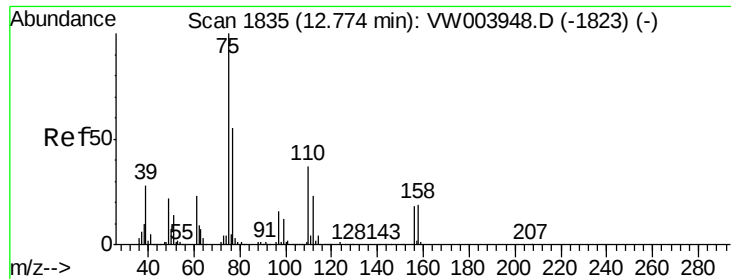
Tot Ion:117 Resp: 291338
Ion Ratio Lower Upper
117 100
82 57.2 46.5 69.7
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003960.D
Acq: 16 Jul 2018 19:16

Tgt Ion:152 Resp: 114290
Ion Ratio Lower Upper
152 100
115 58.0 29.2 87.6
150 155.1 0.0 345.2

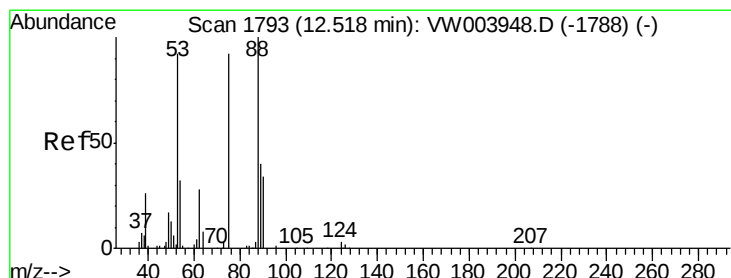
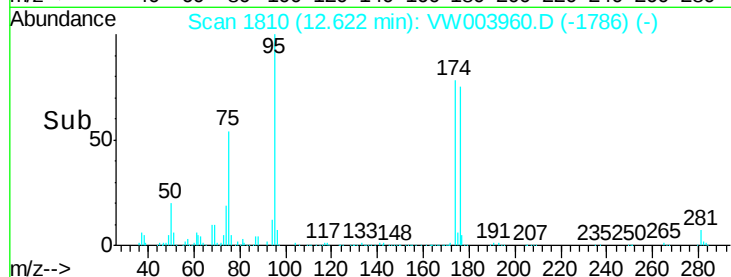
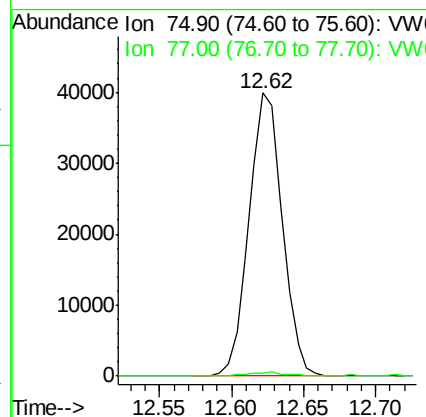
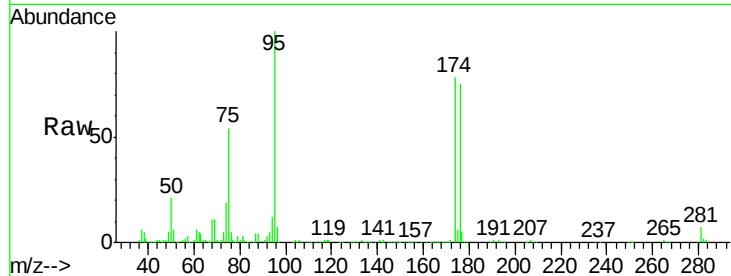




#76
 1,2,3-Trichloropropane
 Concen: 56.170 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003960.D
 Acq: 16 Jul 2018 19:16

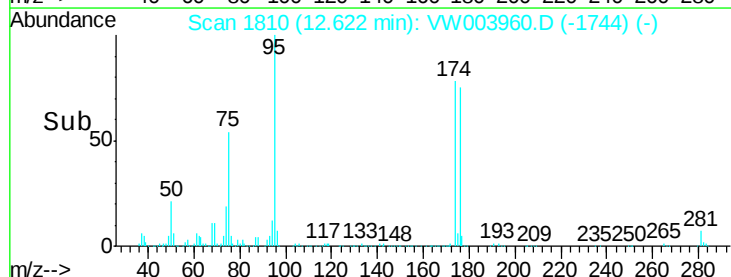
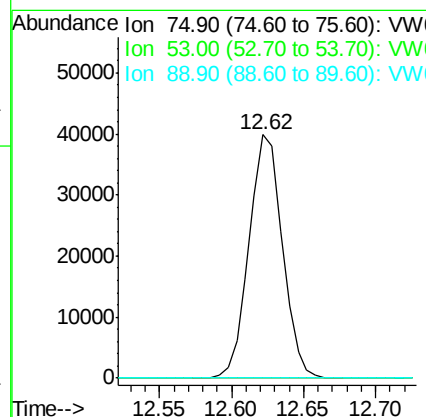
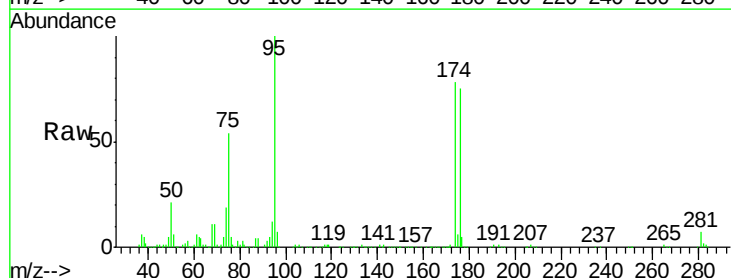
Instrument :
 MSVOA_W
 ClientSampleId :

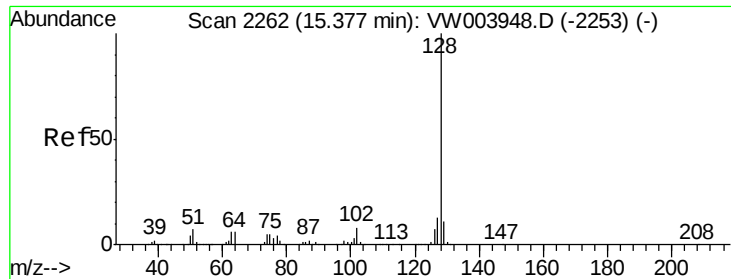
Tot Ion: 75 Resp: 63733
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.247 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003960.D
 Acq: 16 Jul 2018 19:16

Tgt Ion: 75 Resp: 63733
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.6 116.4#
 89 0.1 36.6 54.8#

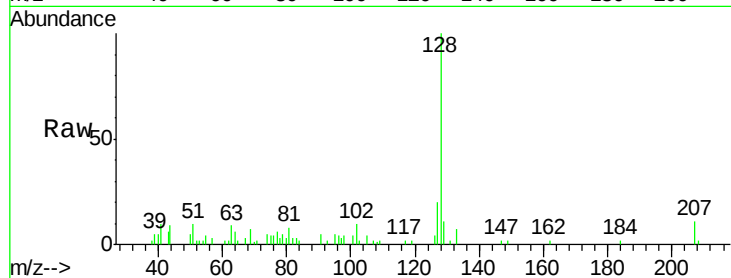




#95
Naphthalene
Concen: 1.522 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW003960.D
Acq: 16 Jul 2018 19:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.9	10.7	16.1
129	14.4	8.7	13.1



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

