

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040419\
 Data File : VW009696.D
 Acq On : 04 Apr 2019 15:06
 Operator : SY/VA
 Sample : K2209-02RE
 Misc : 5.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E-7RE

Quant Time: Apr 05 05:45:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	153517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	234282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	190043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	72073	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	59118	33.68	ug/l	0.00
Spiked Amount			Recovery	=	67.36%	
35) Dibromofluoromethane	7.88	113	48637	33.05	ug/l	0.00
Spiked Amount			Recovery	=	66.10%	
50) Toluene-d8	10.32	98	174130	32.02	ug/l	0.00
Spiked Amount			Recovery	=	64.04%	
62) 4-Bromofluorobenzene	12.62	95	46388	22.86	ug/l	0.00
Spiked Amount			Recovery	=	45.72%	

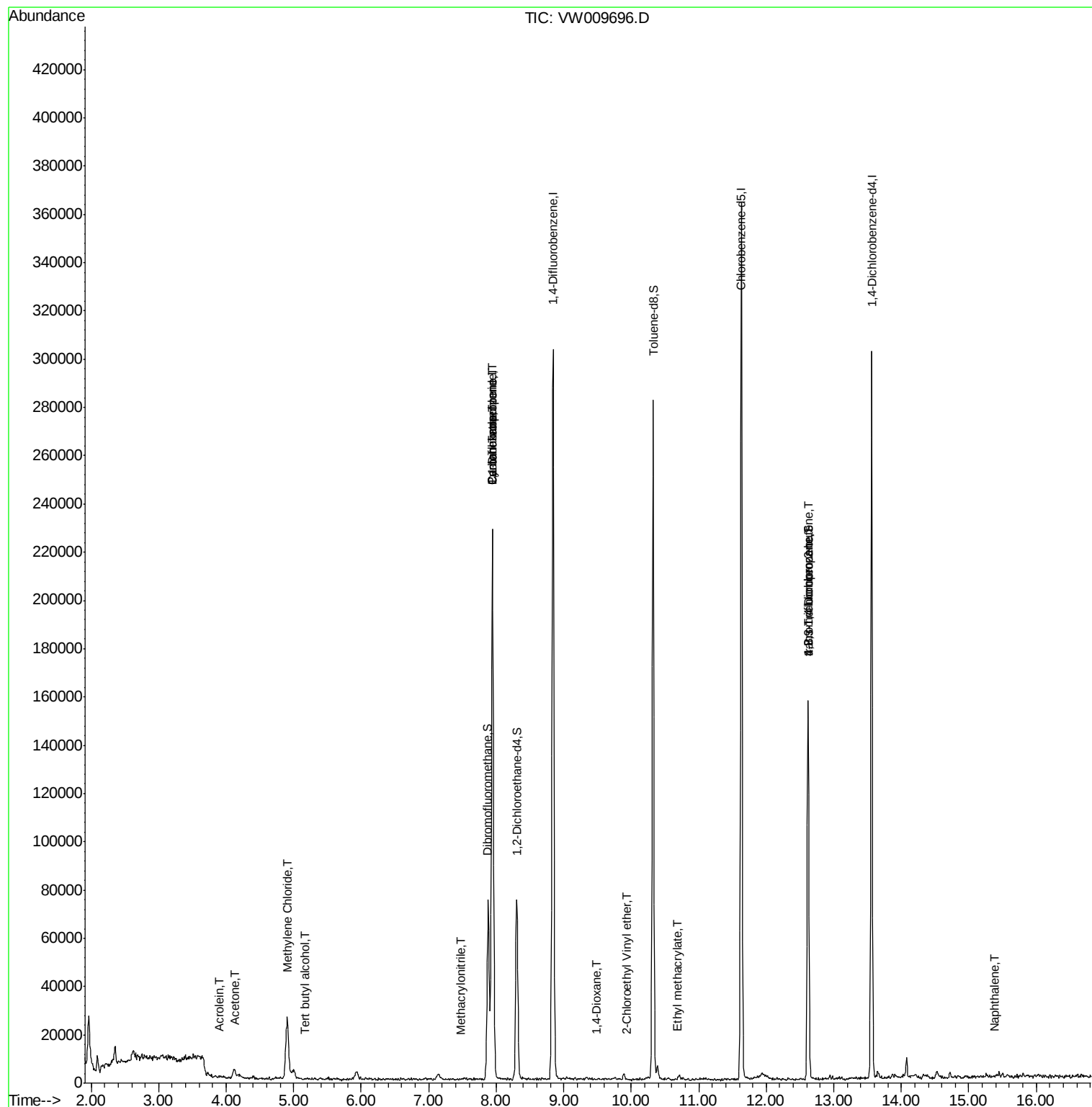
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	81	Below Cal	#	41
11) Tert butyl alcohol	5.18	59	226	2.220	ug/l #	48
13) Acrolein	3.89	56	180	2.411	ug/l #	62
16) Acetone	4.12	43	7009	17.758	ug/l	97
20) Methylene Chloride	4.90	84	16069	7.045	ug/l	93
31) Cyclohexane	7.94	56	4578	1.585	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	13821	5.704	ug/l #	51
38) Carbon Tetrachloride	7.95	117	16981	6.839	ug/l #	18
41) Methacrylonitrile	7.47	41	242	4.219	ug/l #	46
49) 1,4-Dioxane	9.49	88	26	1.918	ug/l #	1
56) Ethyl methacrylate	10.69	69	33	3.814	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.94	63	21	17.041	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	27412	40.445	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	27412	94.053	ug/l #	7
95) Naphthalene	15.38	128	228	2.799	ug/l #	77

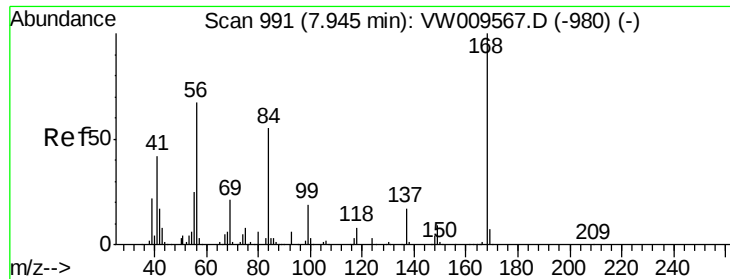
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW040419\
Data File : VW009696.D
Acq On : 04 Apr 2019 15:06
Operator : SY/VA
Sample : K2209-02RE
Misc : 5.70G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E-7RE

Quant Time: Apr 05 05:45:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:24:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009696.D

Acq: 04 Apr 2019 15:06

Instrument :

MSVOA_W

ClientSampled :

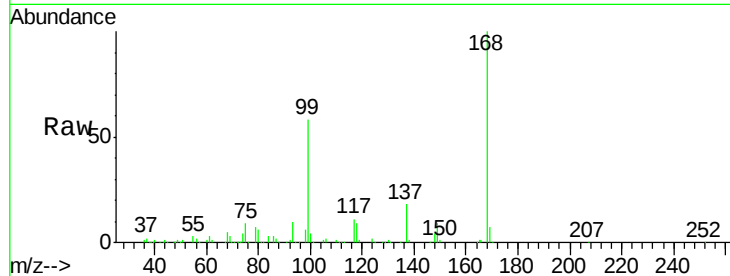
E-7RE

Tgt Ion:168 Resp: 153517

Ion Ratio Lower Upper

168 100

99 57.9 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

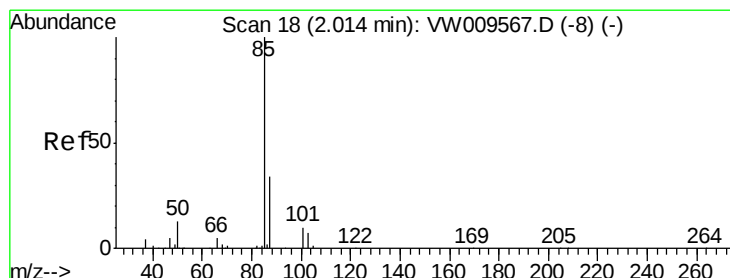
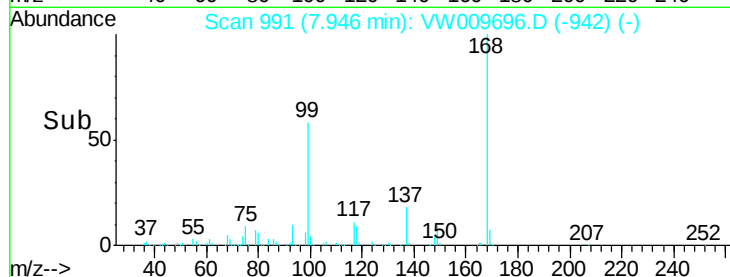
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009696.D

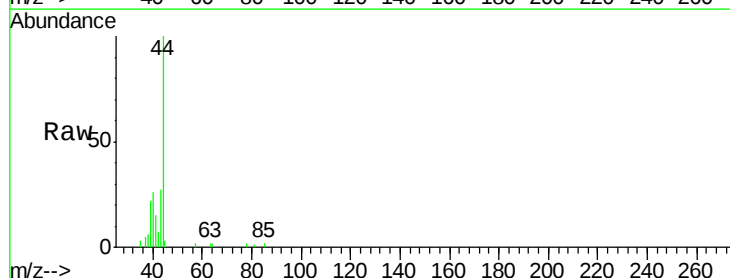
Acq: 04 Apr 2019 15:06

Tgt Ion: 85 Resp: 81

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

100

80

60

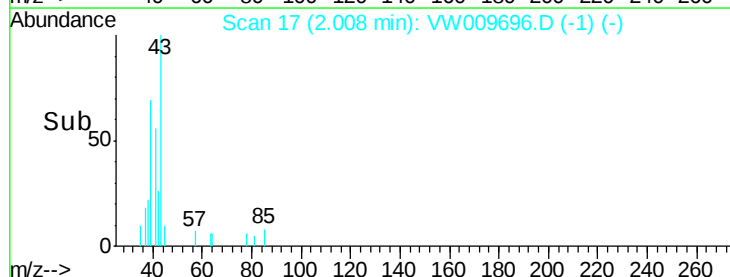
40

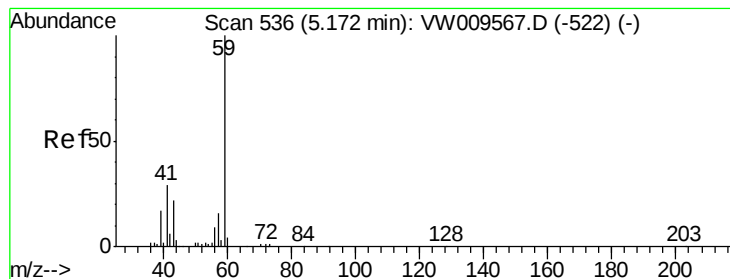
20

0

1.98 2.00 2.02 2.04

Time-->



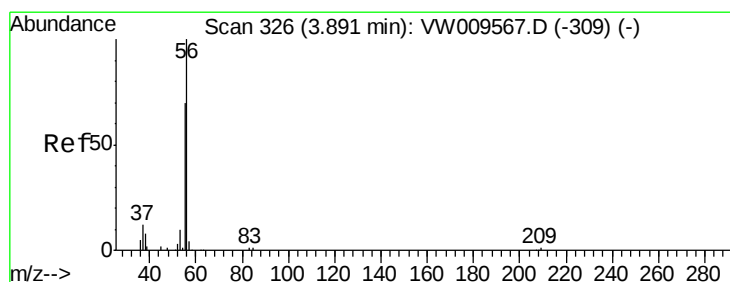
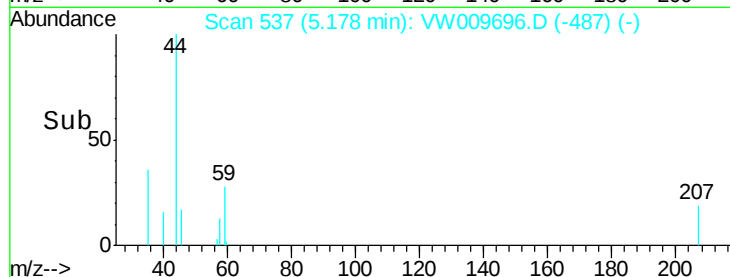
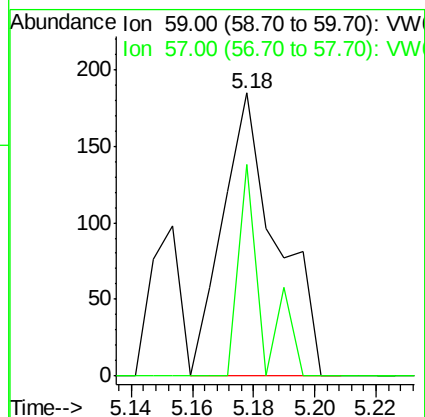
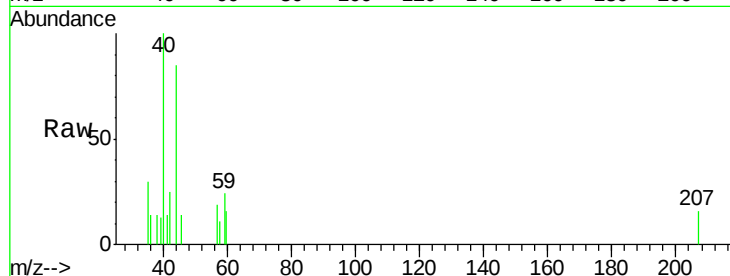


#11

Tert butyl alcohol
 Concen: 2.220 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW009696.D
 Acq: 04 Apr 2019 15:06

Instrument :
 MSVOA_W
 ClientSampled :
 E-7RE

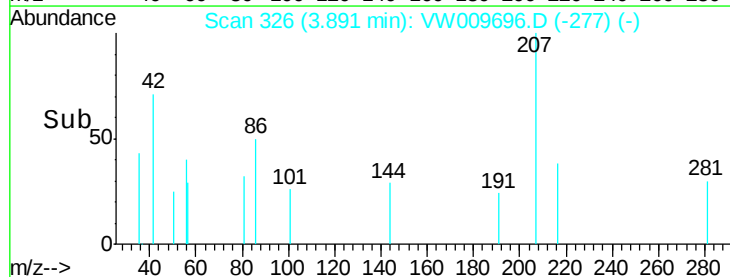
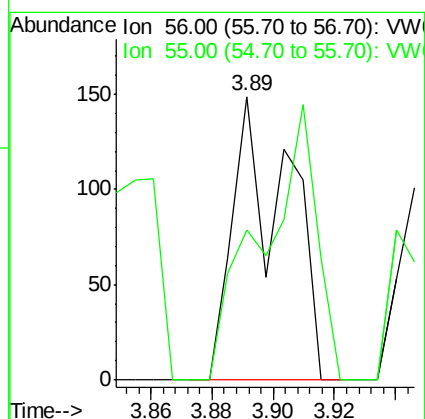
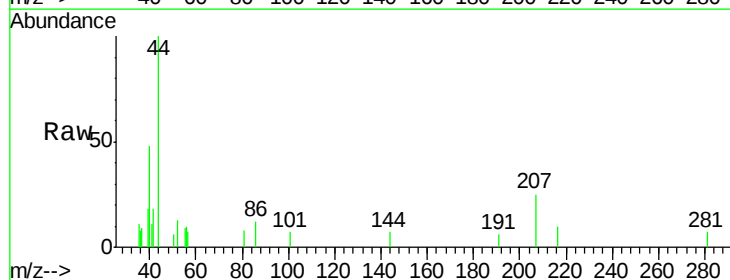
Tgt Ion: 59 Resp: 226
 Ion Ratio Lower Upper
 59 100
 57 31.9 9.4 14.0#

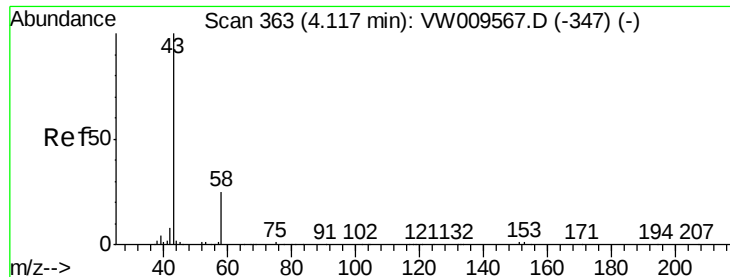


#13

Acrolein
 Concen: 2.411 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW009696.D
 Acq: 04 Apr 2019 15:06

Tgt Ion: 56 Resp: 180
 Ion Ratio Lower Upper
 56 100
 55 100.0 55.2 82.8#





#16

Acetone

Concen: 17.758 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009696.D

Acq: 04 Apr 2019 15:06

Instrument :

MSVOA_W

ClientSampled :

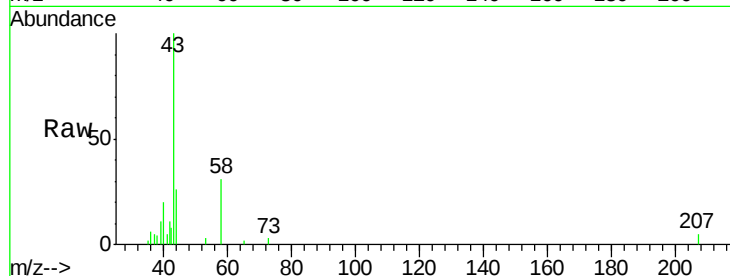
E-7RE

Tgt Ion: 43 Resp: 7009

Ion Ratio Lower Upper

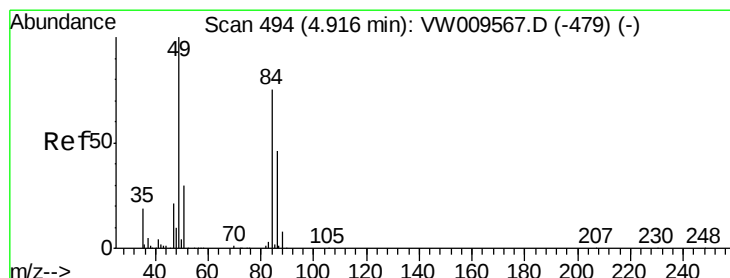
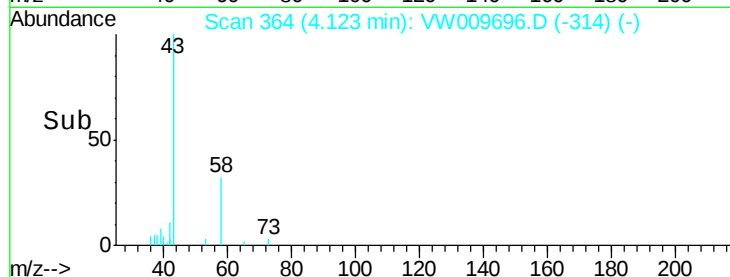
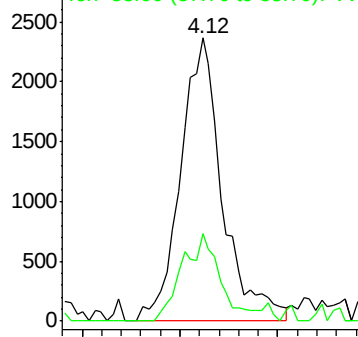
43 100

58 30.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 7.045 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW009696.D

Acq: 04 Apr 2019 15:06

Tgt Ion: 84 Resp: 16069

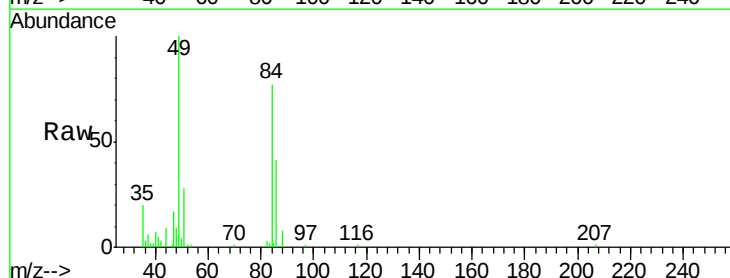
Ion Ratio Lower Upper

84 100

49 130.4 99.1 148.7

51 36.0 28.7 43.1

86 52.9 50.5 75.7

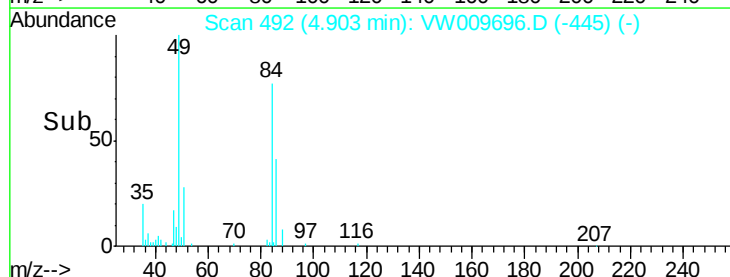
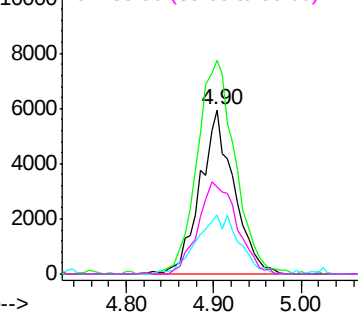


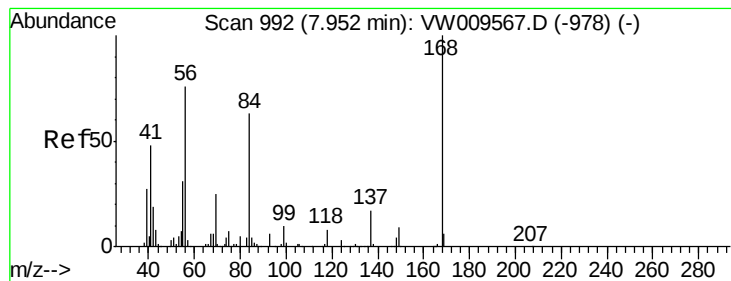
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#31

Cyclohexane

Concen: 1.585 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009696.D

Acq: 04 Apr 2019 15:06

Instrument :

MSVOA_W

ClientSampled :

E-7RE

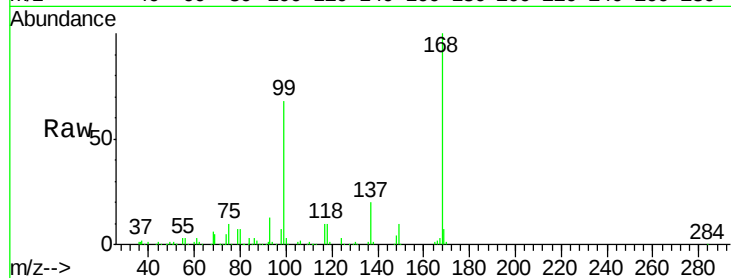
Tgt Ion: 56 Resp: 4578

Ion Ratio Lower Upper

56 100

69 130.7 26.1 39.1#

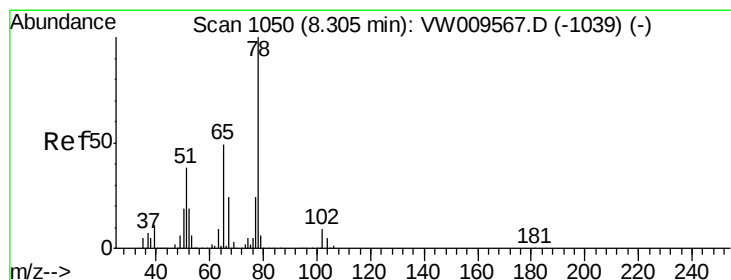
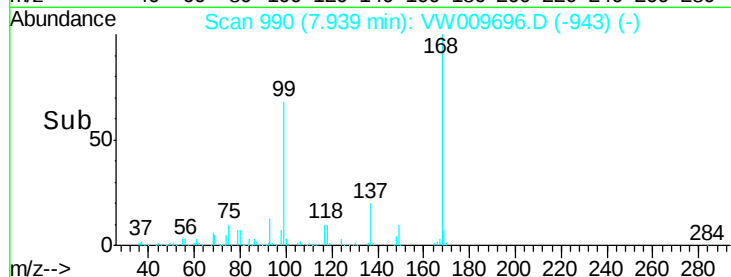
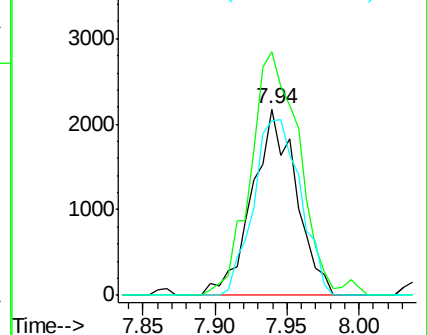
84 93.6 68.6 103.0



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: 33.675 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009696.D

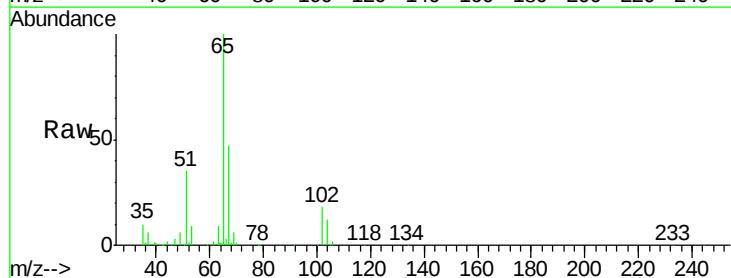
Acq: 04 Apr 2019 15:06

Tgt Ion: 65 Resp: 59118

Ion Ratio Lower Upper

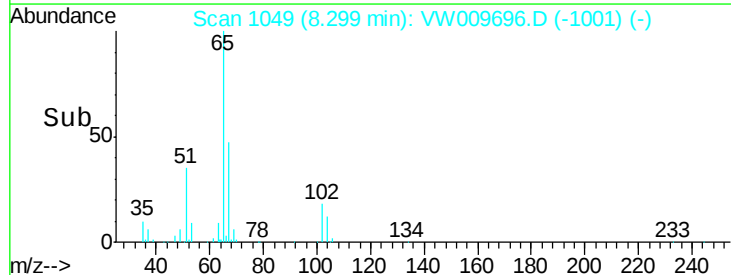
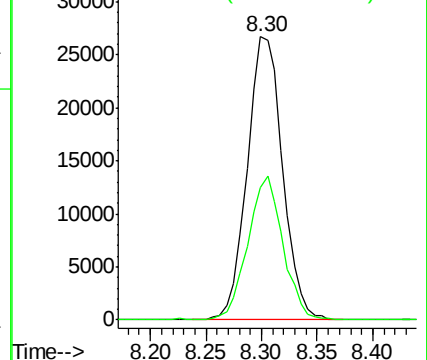
65 100

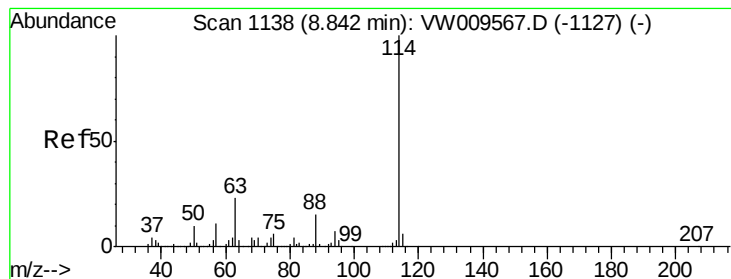
67 50.3 0.0 102.4



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# 1138

Delta R.T. 0.00 min

Lab File: VW009696.D

Acq: 04 Apr 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

E-7RE

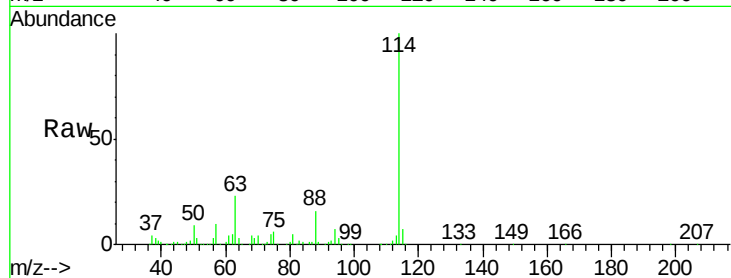
Tgt Ion:114 Resp: 234282

Ion Ratio Lower Upper

114 100

63 23.2 0.0 42.2

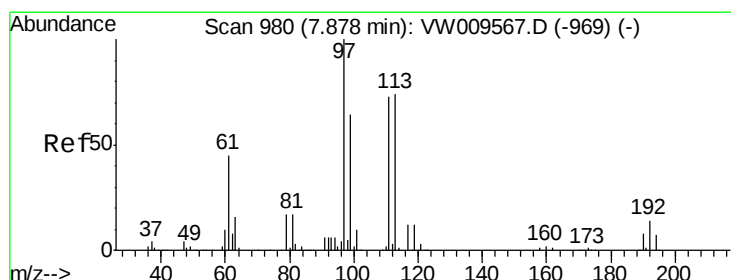
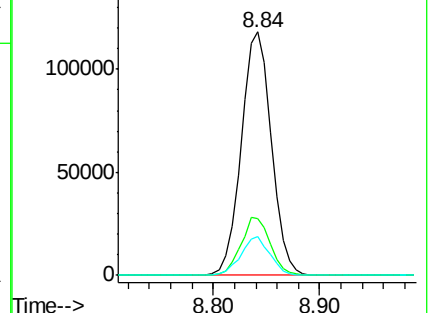
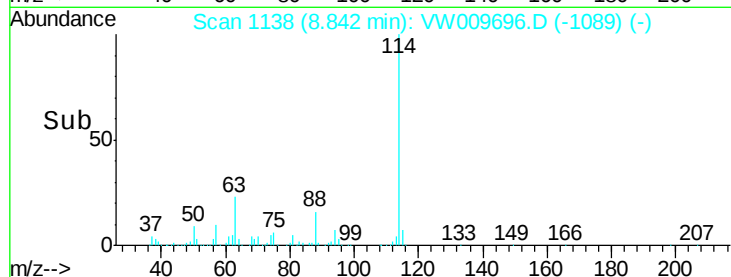
88 16.0 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 33.053 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW009696.D

Acq: 04 Apr 2019 15:06

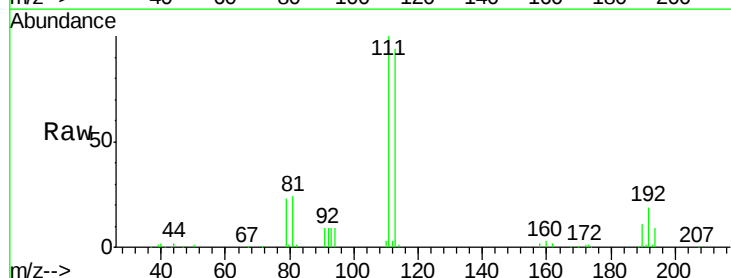
Tgt Ion:113 Resp: 48637

Ion Ratio Lower Upper

113 100

111 107.4 82.6 124.0

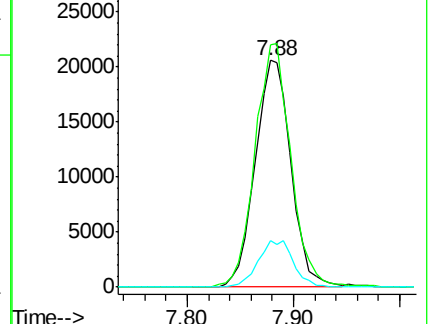
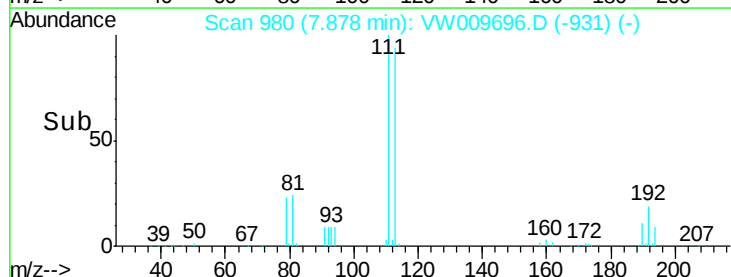
192 20.0 16.4 24.6

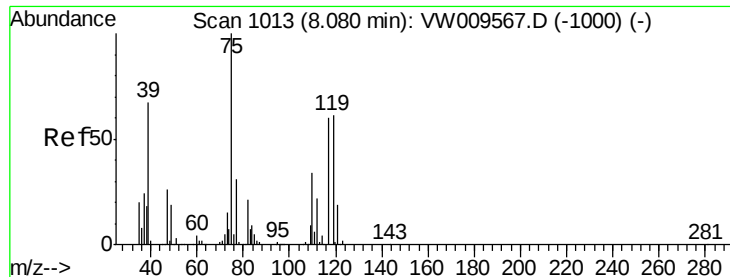


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.704 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009696.D

Acq: 04 Apr 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

E-7RE

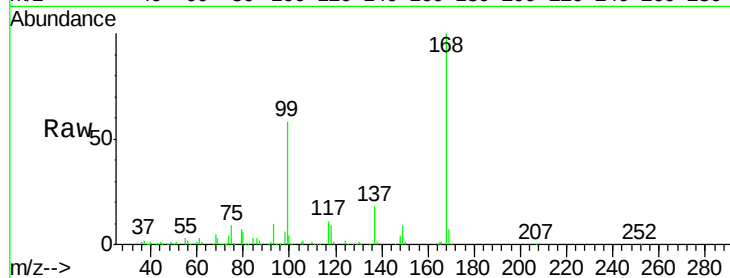
Tgt Ion: 75 Resp: 13821

Ion Ratio Lower Upper

75 100

110 9.2 16.8 50.4#

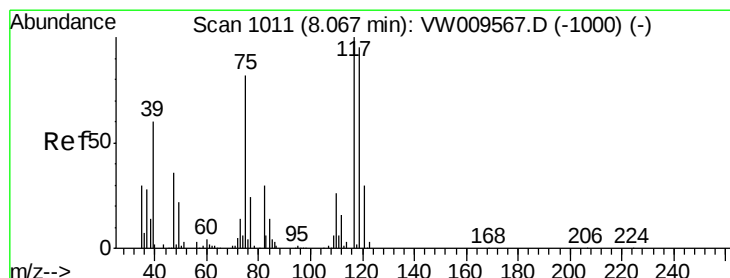
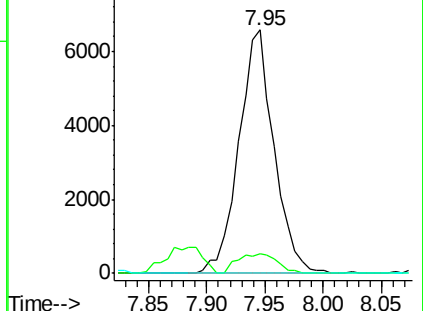
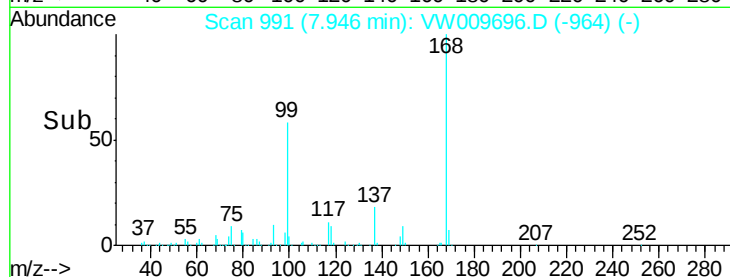
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.839 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009696.D

Acq: 04 Apr 2019 15:06

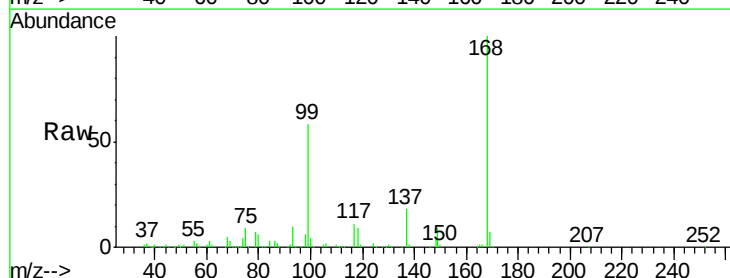
Tgt Ion: 117 Resp: 16981

Ion Ratio Lower Upper

117 100

119 6.6 75.4 113.0#

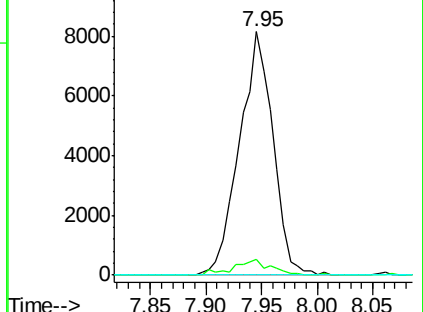
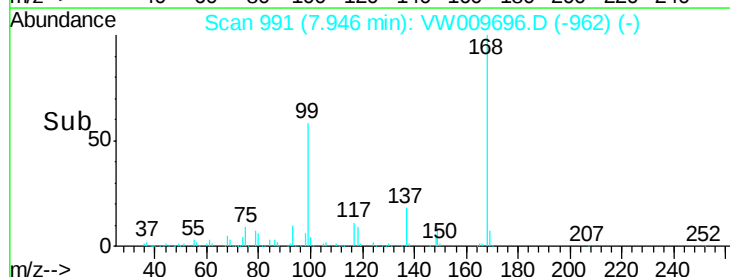
121 0.0 24.9 37.3#

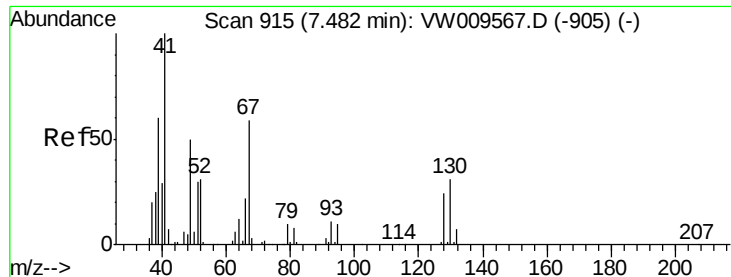


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

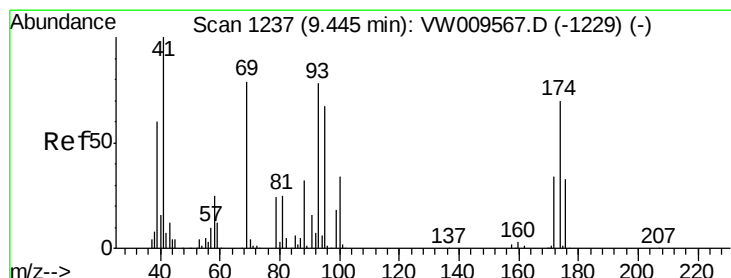
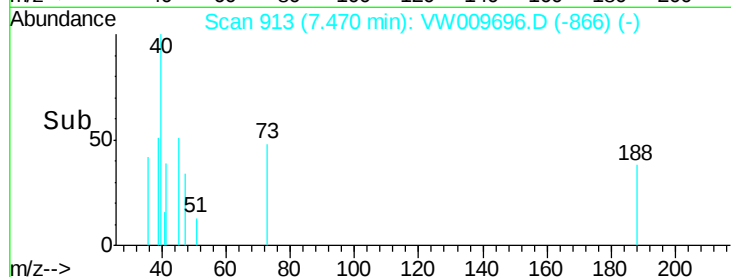
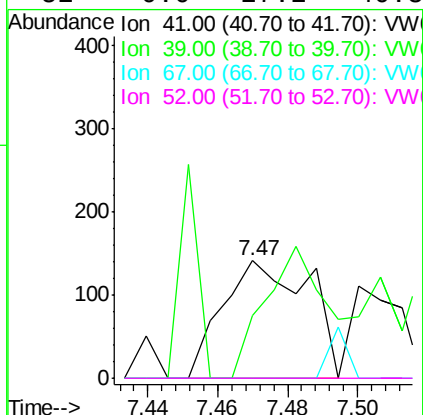
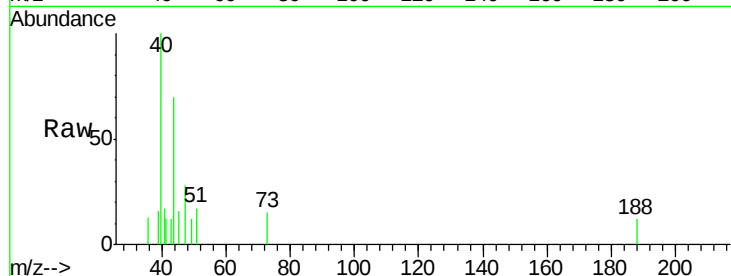




#41
Methacrylonitrile
Concen: 4.219 ug/l
RT: 7.47 min Scan# 913
Delta R.T. -0.01 min
Lab File: VW009696.D
Acq: 04 Apr 2019 15:06

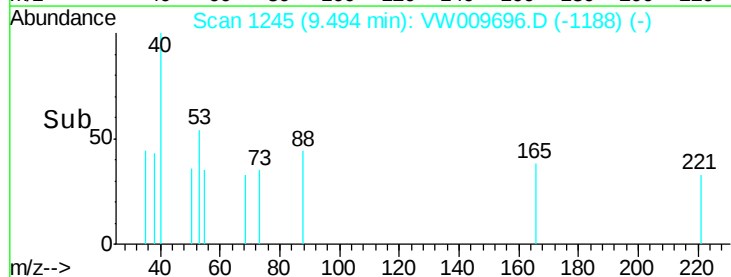
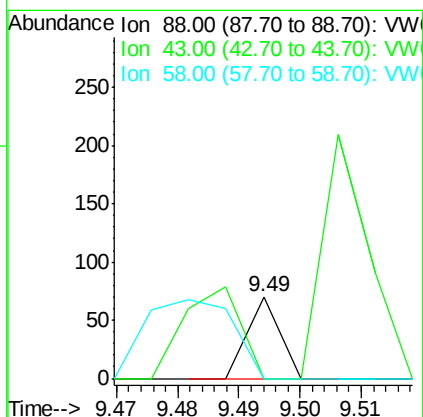
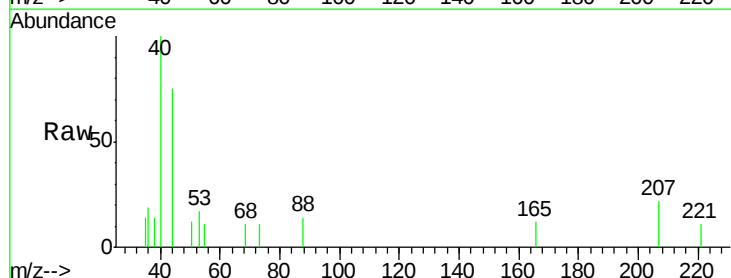
Instrument :
MSVOA_W
ClientSampled :
E-7RE

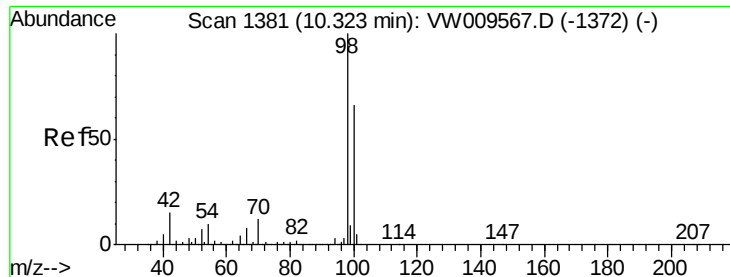
Tgt Ion: 41 Resp: 242
Ion Ratio Lower Upper
41 100
39 78.1 52.5 78.7
67 0.0 56.6 84.8#
52 0.0 27.2 40.8#



#49
1,4-Dioxane
Concen: 1.918 ug/l
RT: 9.49 min Scan# 1245
Delta R.T. 0.05 min
Lab File: VW009696.D
Acq: 04 Apr 2019 15:06

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 196.2 29.7 44.5#
58 261.5 58.1 87.1#





#50

Toluene-d8

Concen: 32.017 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009696.D

Acq: 04 Apr 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

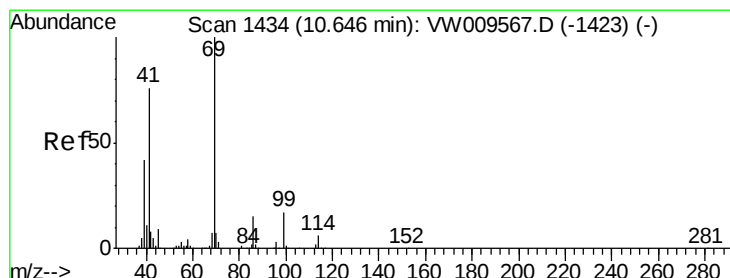
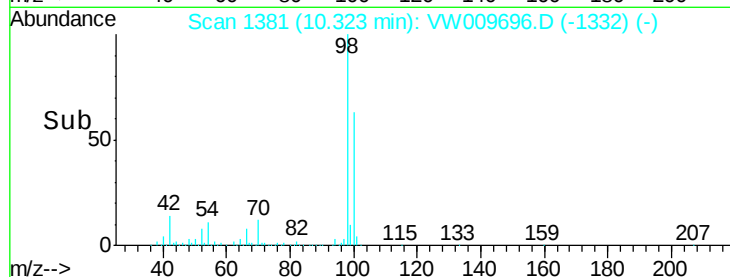
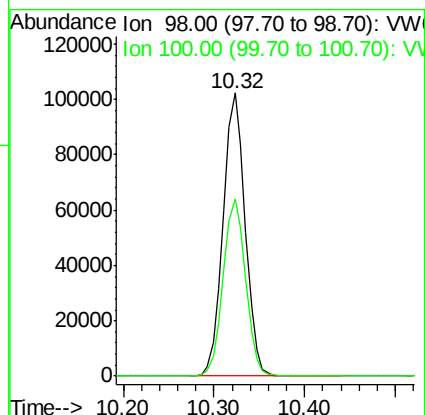
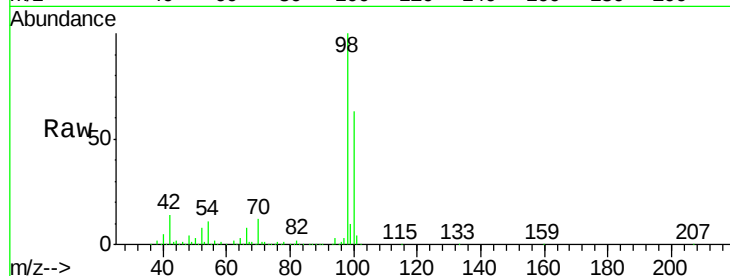
E-7RE

Tgt Ion: 98 Resp: 174130

Ion Ratio Lower Upper

98 100

100 63.6 52.6 79.0



#56

Ethyl methacrylate

Concen: 3.814 ug/l

RT: 10.69 min Scan# 1441

Delta R.T. 0.04 min

Lab File: VW009696.D

Acq: 04 Apr 2019 15:06

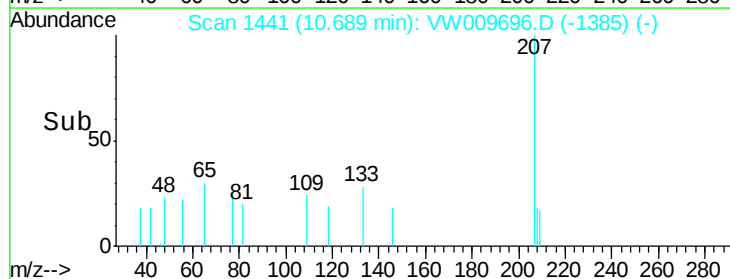
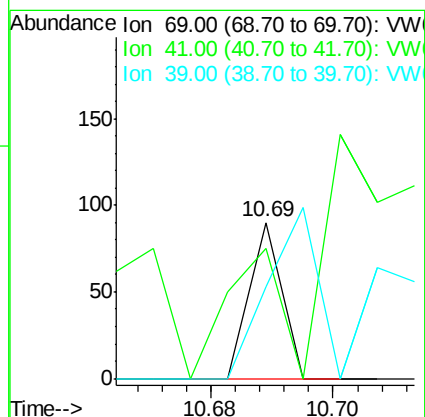
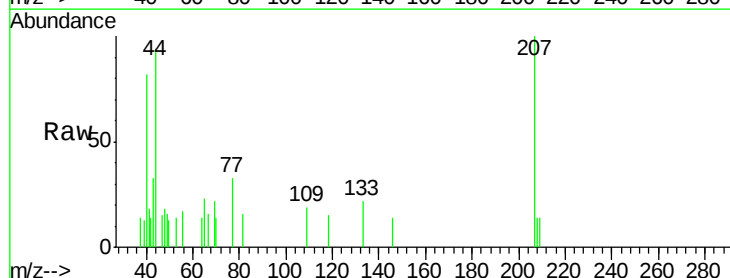
Tgt Ion: 69 Resp: 33

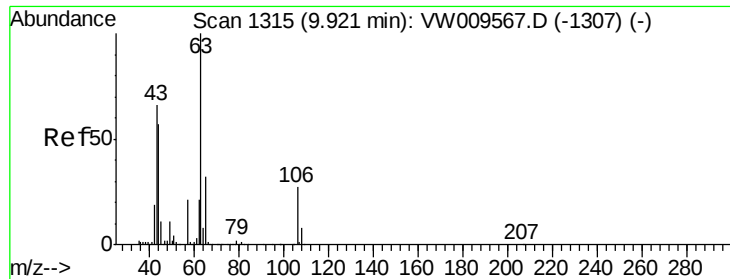
Ion Ratio Lower Upper

69 100

41 609.1 59.3 88.9#

39 169.7 36.2 54.2#

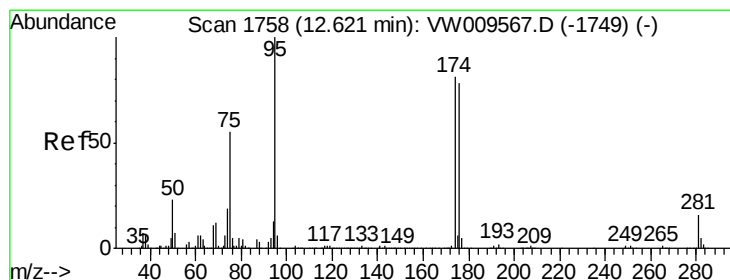
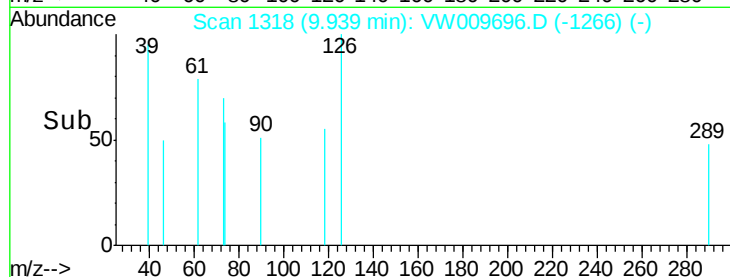
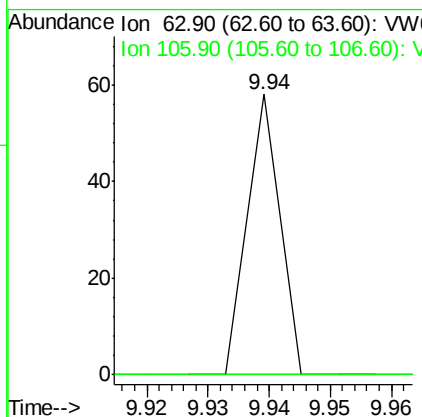
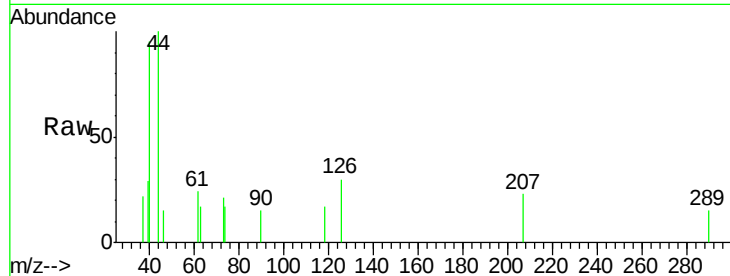




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.041 ug/l
 RT: 9.94 min Scan# 1318
 Delta R.T. 0.02 min
 Lab File: VW009696.D
 Acq: 04 Apr 2019 15:06

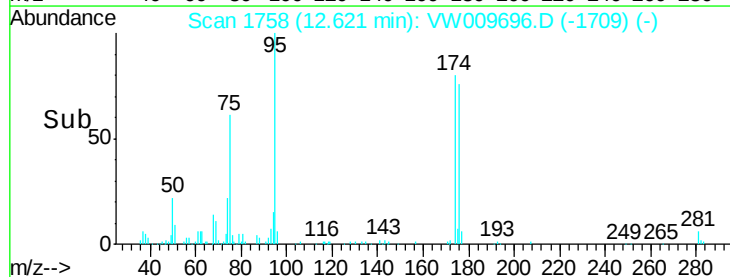
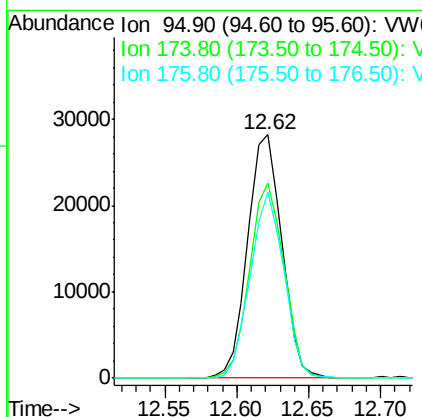
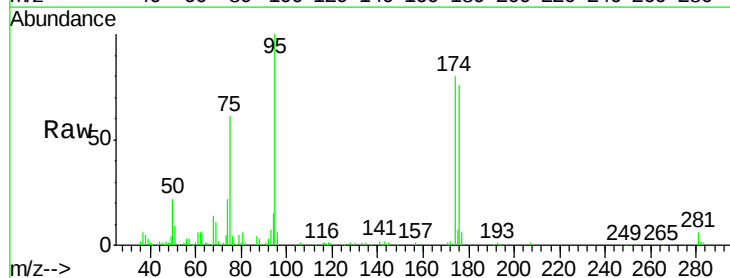
Instrument :
 MSVOA_W
 ClientSampled :
 E-7RE

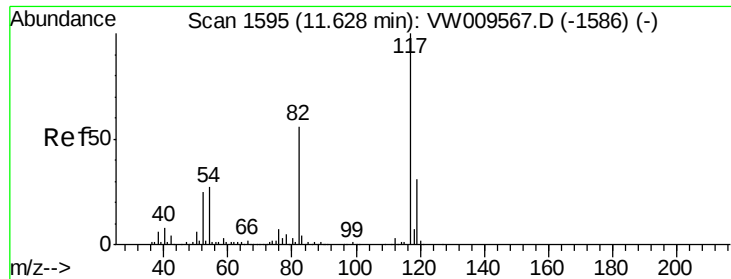
Tgt Ion: 63 Resp: 21
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.9 34.3#



#62
 4-Bromofluorobenzene
 Concen: 22.863 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009696.D
 Acq: 04 Apr 2019 15:06

Tgt Ion: 95 Resp: 46388
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 168.4
 176 74.8 0.0 161.6

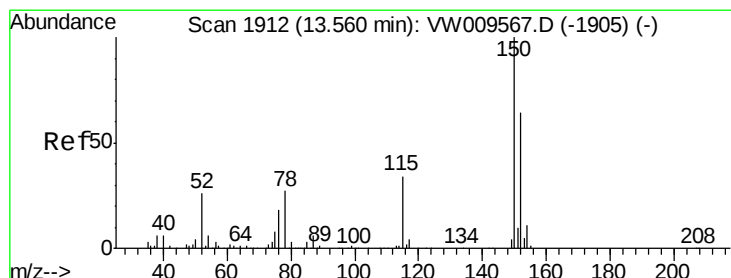
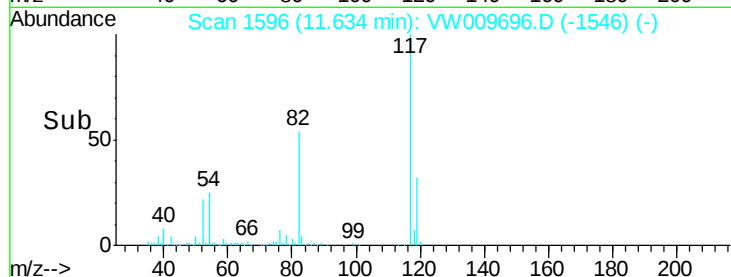
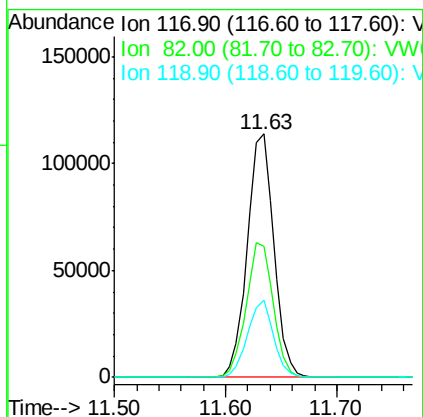
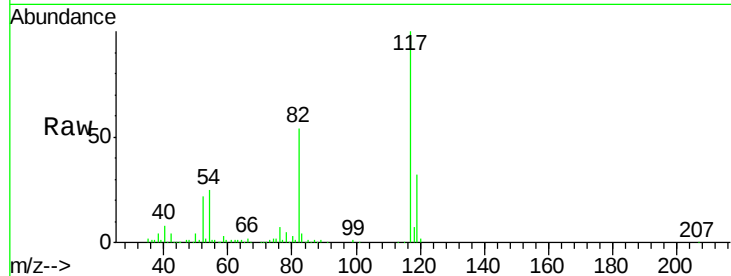




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009696.D
Acq: 04 Apr 2019 15:06

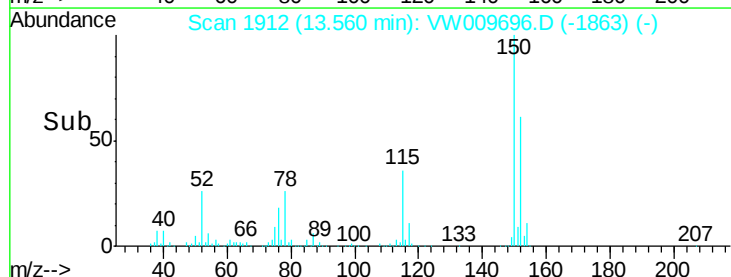
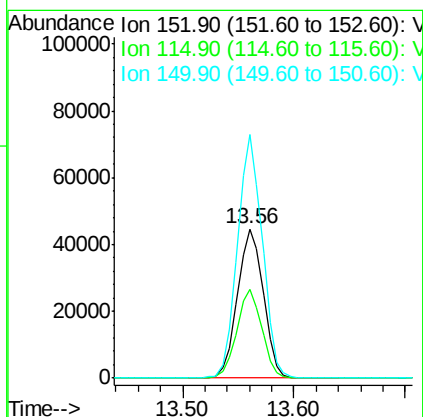
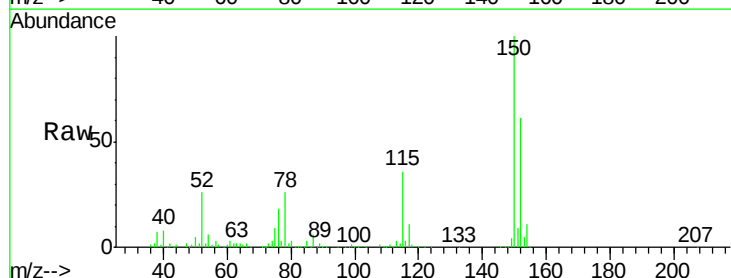
Instrument :
MSVOA_W
ClientSampled :
E-7RE

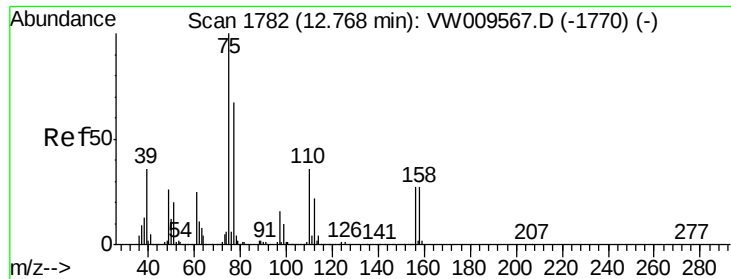
Tgt Ion:117 Resp: 190043
Ion Ratio Lower Upper
117 100
82 53.9 43.6 65.4
119 31.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009696.D
Acq: 04 Apr 2019 15:06

Tgt Ion:152 Resp: 72073
Ion Ratio Lower Upper
152 100
115 57.2 29.6 88.8
150 155.7 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 40.445 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009696.D

Acq: 04 Apr 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

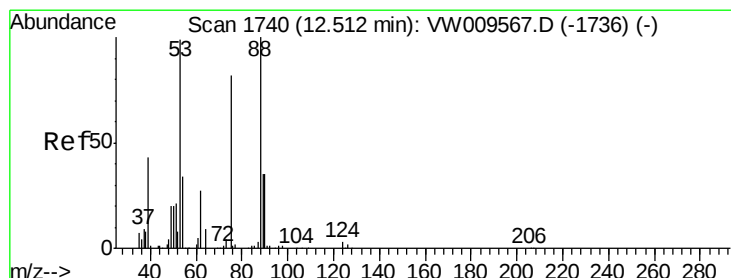
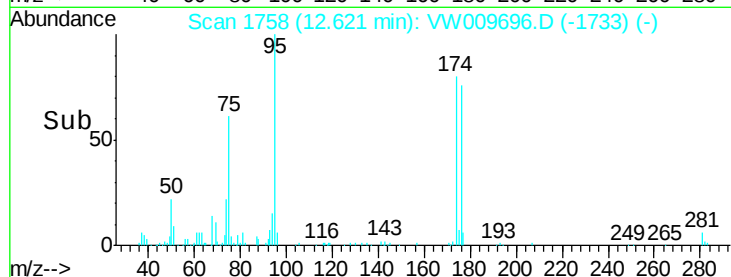
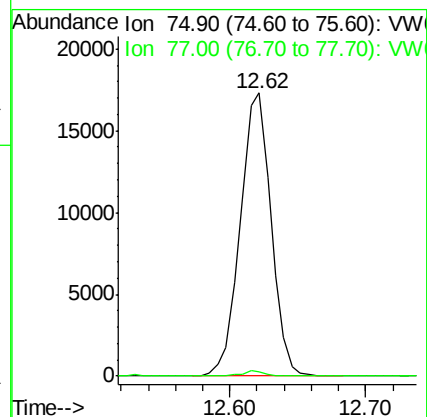
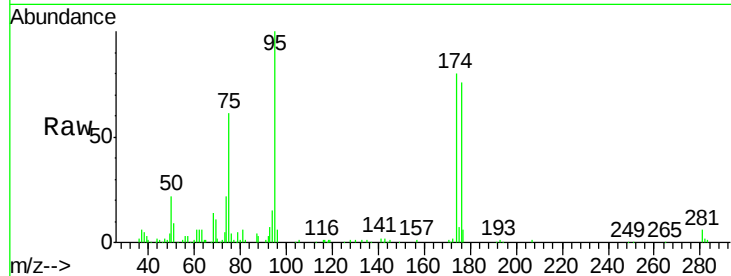
E-7RE

Tgt Ion: 75 Resp: 27412

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.053 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009696.D

Acq: 04 Apr 2019 15:06

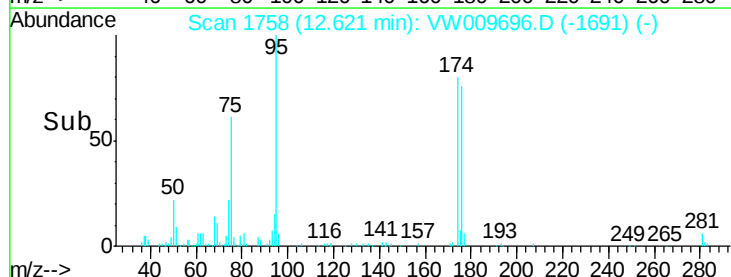
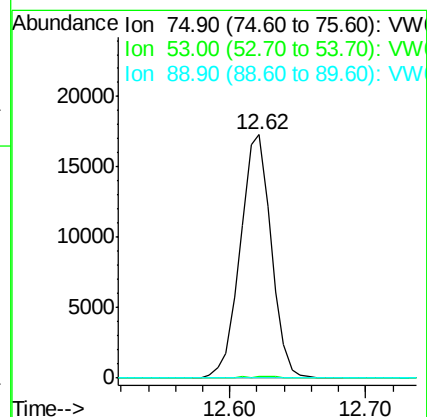
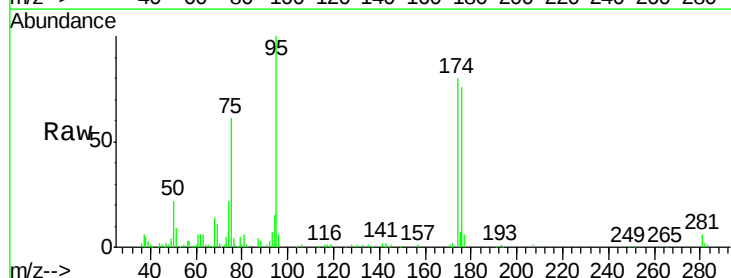
Tgt Ion: 75 Resp: 27412

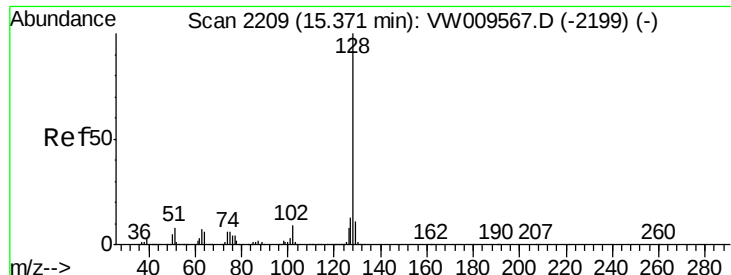
Ion Ratio Lower Upper

75 100

53 0.8 86.7 130.1#

89 0.0 36.4 54.6#





#95

Naphthalene

Concen: 2.799 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW009696.D

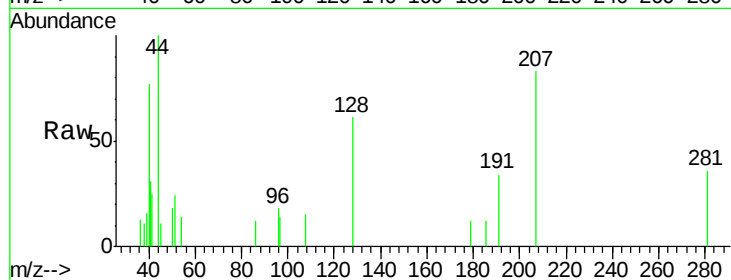
Acq: 04 Apr 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

E-7RE



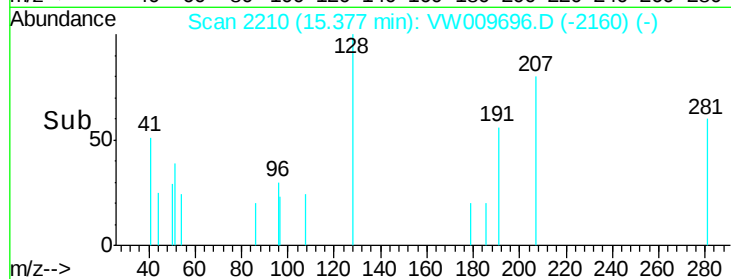
Tgt Ion:128 Resp: 228

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

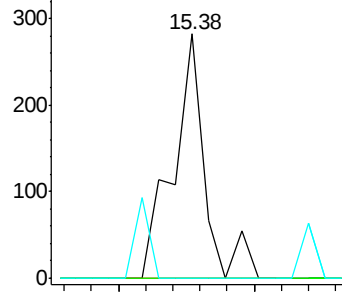
129 14.9 8.7 13.1#



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



Time-->