

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091618\
 Data File : VW005417.D
 Acq On : 15 Sep 2018 06:53
 Operator : SY/AP
 Sample : J4906-29
 Misc : 6.72G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-PIT-2

Quant Time: Sep 17 00:58:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	158970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	246087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	224512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	94058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	82854	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	7.90	113	64167	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
50) Toluene-d8	10.33	98	272008	43.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.10%	
62) 4-Bromofluorobenzene	12.63	95	85705	36.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.98%	

Target Compounds

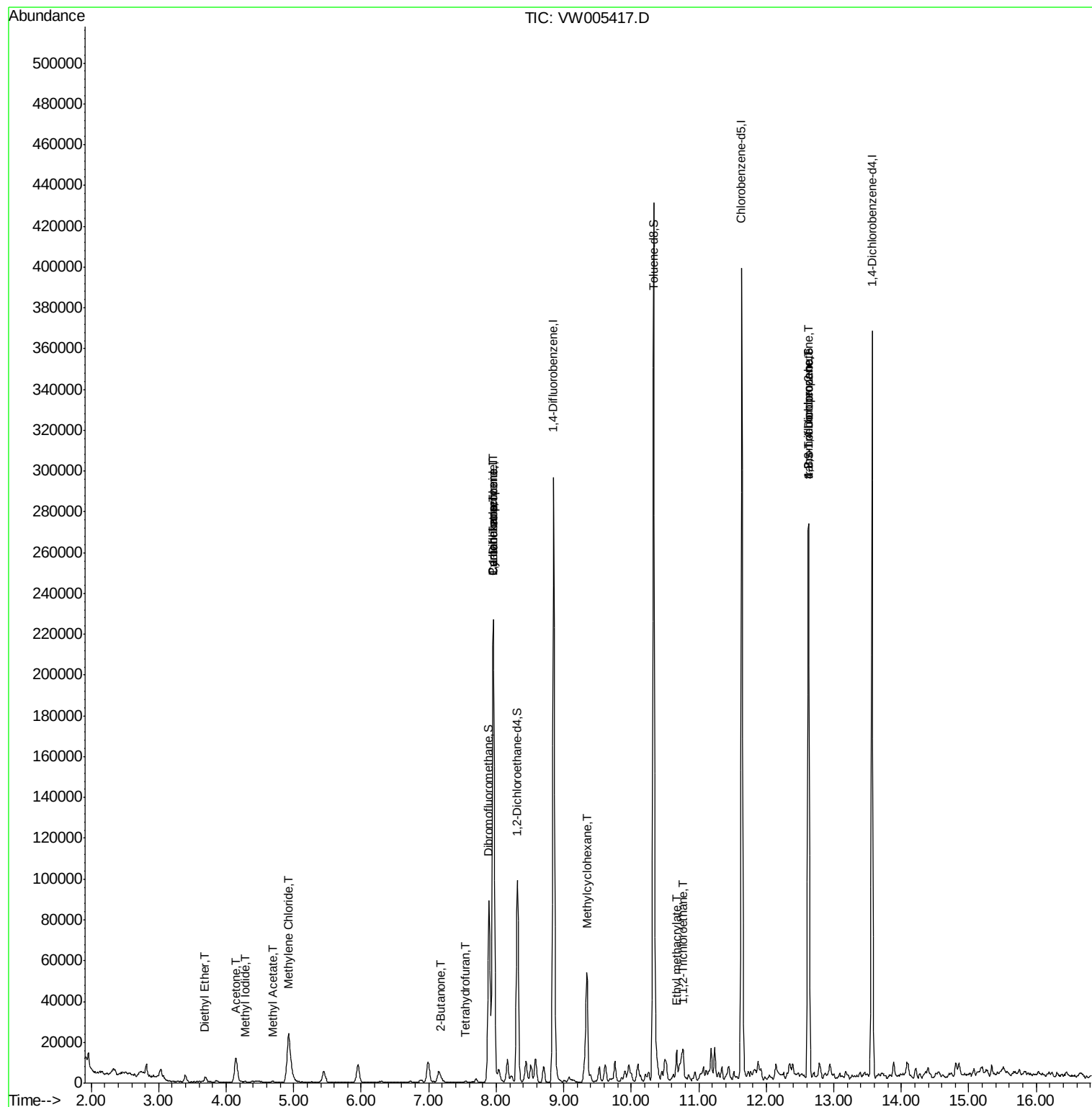
					Qvalue
2) Dichlorodifluoromethane	2.00	85	202	Below Cal	72
5) Bromomethane	2.78	94	319	Below Cal	82
8) Diethyl Ether	3.69	74	1220	1.763 ug/l	93
10) Methyl Iodide	4.28	142	264	4.192 ug/l #	83
11) Tert butyl alcohol	5.21	59	170	Below Cal #	71
13) Acrolein	3.81	56	26	Below Cal #	12
16) Acetone	4.15	43	23199	85.940 ug/l	97
18) Methyl Acetate	4.70	43	806	1.016 ug/l #	77
20) Methylene Chloride	4.92	84	16600	4.970 ug/l	92
25) 2-Butanone	7.18	43	2884	7.266 ug/l #	89
29) Tetrahydrofuran	7.56	42	324	1.281 ug/l #	62
31) Cyclohexane	7.96	56	10050	3.816 ug/l #	56
36) 1,1-Dichloropropene	7.96	75	12107	5.199 ug/l #	54
38) Carbon Tetrachloride	7.96	117	15827	6.522 ug/l #	17
39) Methylcyclohexane	9.34	83	20304	7.503 ug/l	95
55) 1,1,2-Trichloroethane	10.77	97	3189	2.706 ug/l #	20
56) Ethyl methacrylate	10.68	69	1692	1.134 ug/l #	32
76) 1,2,3-Trichloropropane	12.62	75	46141	59.644 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	46141	154.720 ug/l #	8

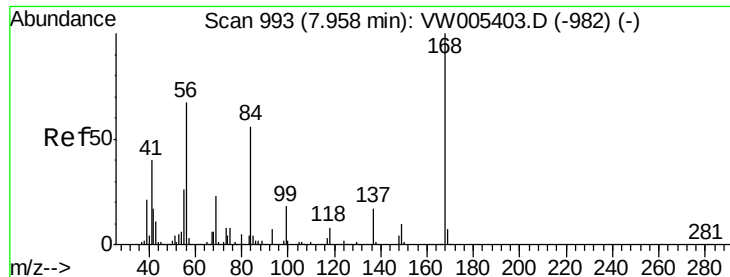
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091618\
Data File : VW005417.D
Acq On : 15 Sep 2018 06:53
Operator : SY/AP
Sample : J4906-29
Misc : 6.72G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-2

Quant Time: Sep 17 00:58:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 15 02:32:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005417.D

Acq: 15 Sep 2018 06:53

Instrument :

MSVOA_W

ClientSampleId :

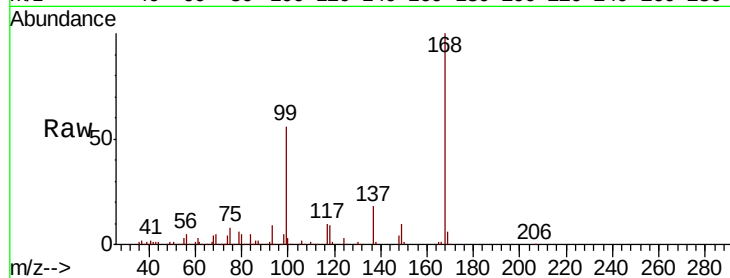
SP-PIT-2

Tgt Ion:168 Resp: 158970

Ion Ratio Lower Upper

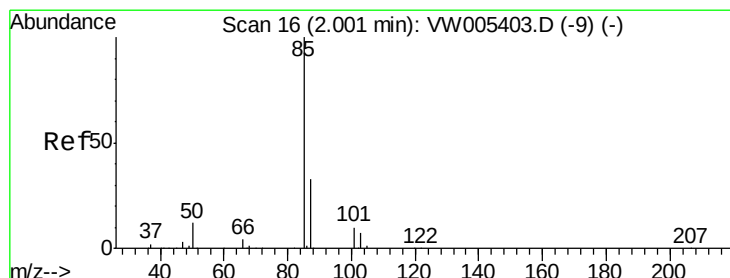
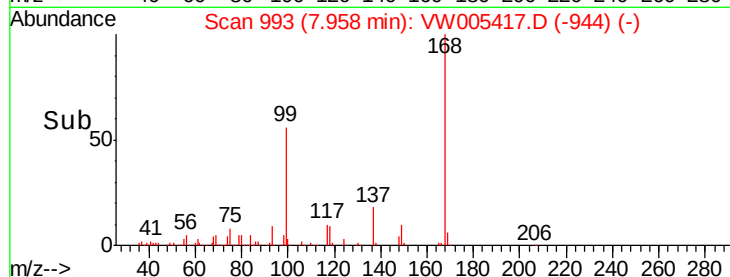
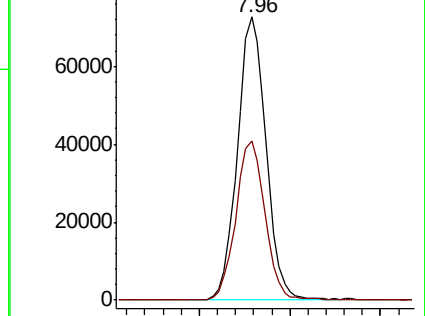
168 100

99 56.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005417.D

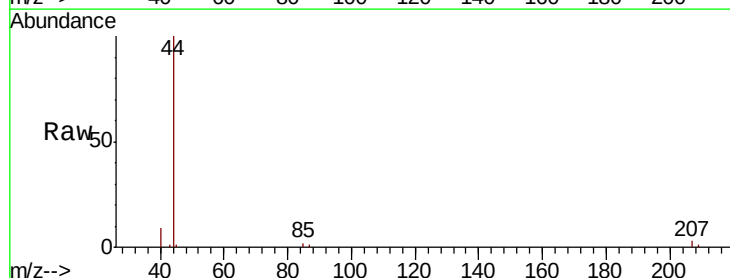
Acq: 15 Sep 2018 06:53

Tgt Ion: 85 Resp: 202

Ion Ratio Lower Upper

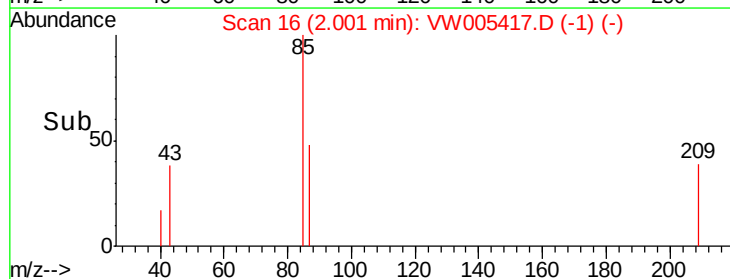
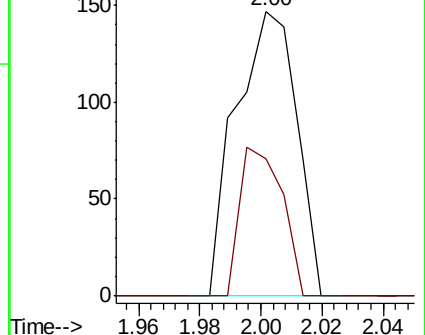
85 100

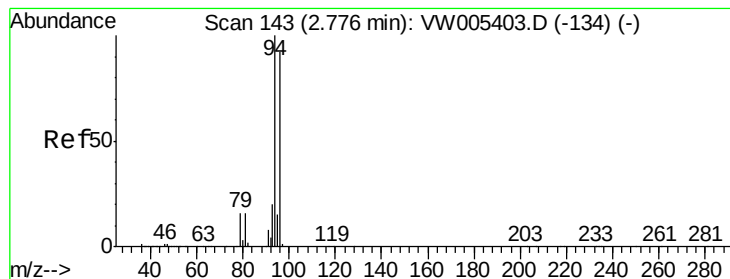
87 48.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW005417.D

Acq: 15 Sep 2018 06:53

Instrument :

MSVOA_W

ClientSampled :

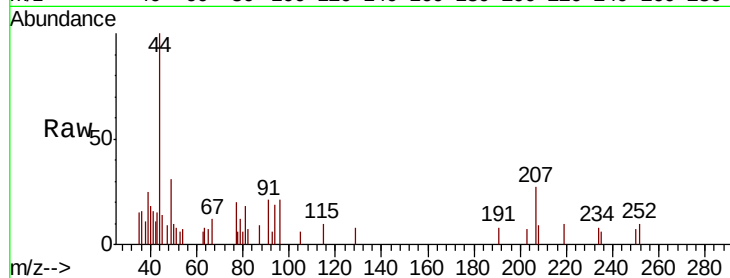
SP-PIT-2

Tgt Ion: 94 Resp: 319

Ion Ratio Lower Upper

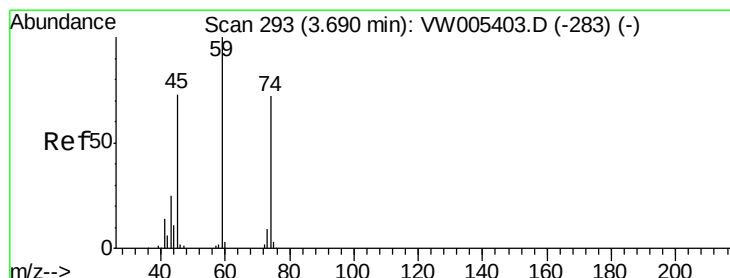
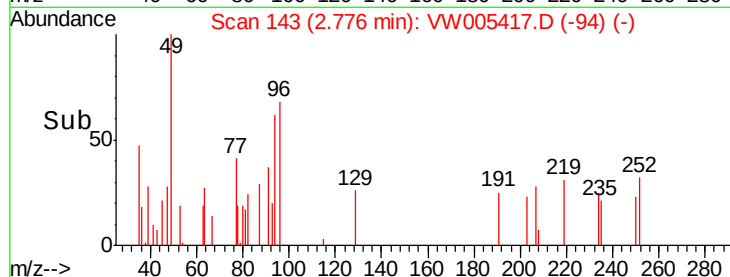
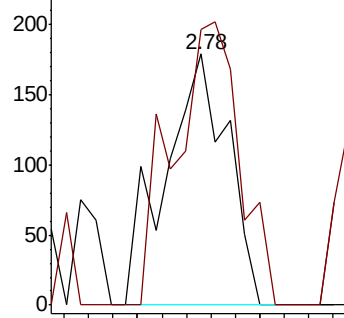
94 100

96 109.5 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#8

Diethyl Ether

Concen: 1.763 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW005417.D

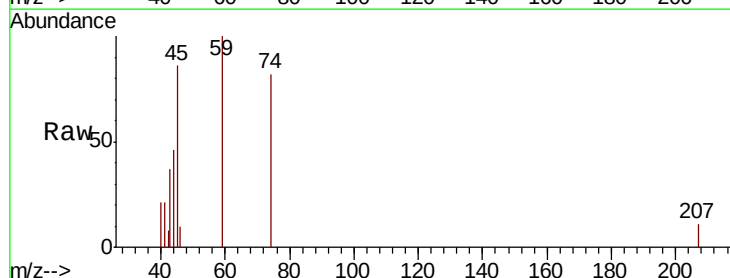
Acq: 15 Sep 2018 06:53

Tgt Ion: 74 Resp: 1220

Ion Ratio Lower Upper

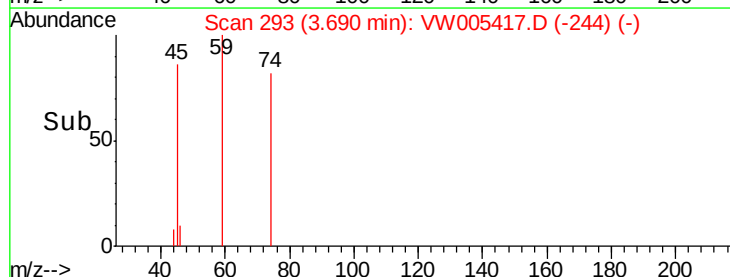
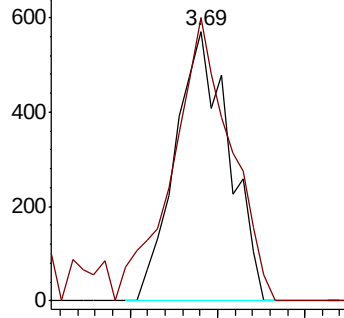
74 100

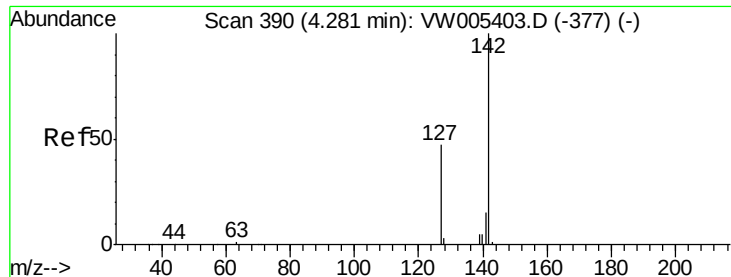
45 113.9 53.1 159.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

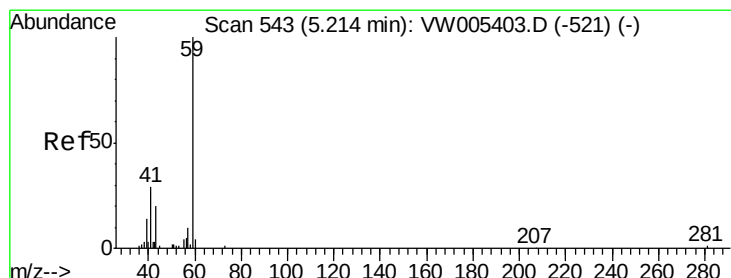
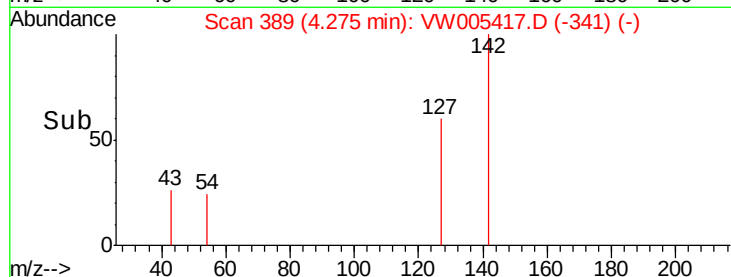
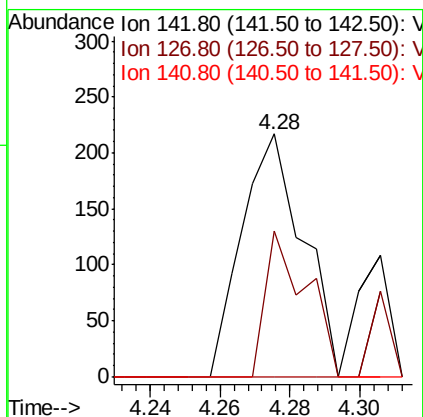
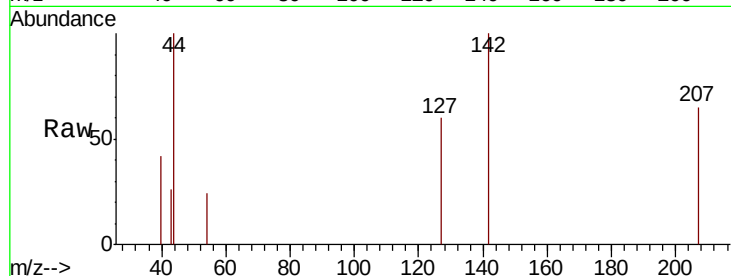




#10
Methyl Iodide
Concen: 4.192 ug/l
RT: 4.28 min Scan# 389
Delta R.T. -0.01 min
Lab File: VW005417.D
Acq: 15 Sep 2018 06:53

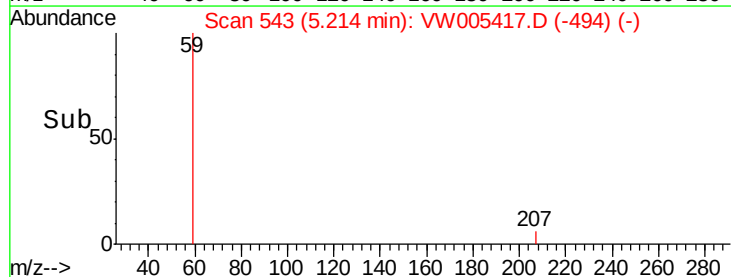
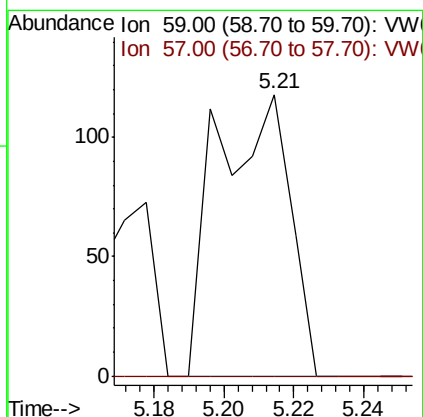
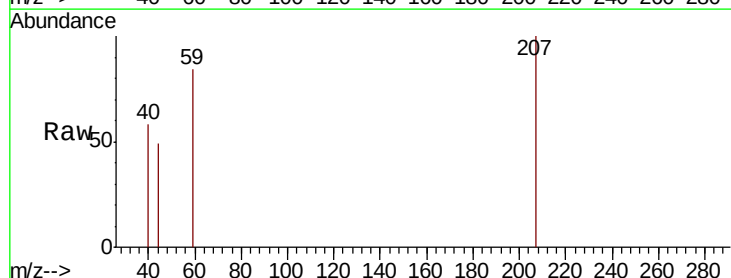
Instrument :
MSVOA_W
ClientSampled :
SP-PIT-2

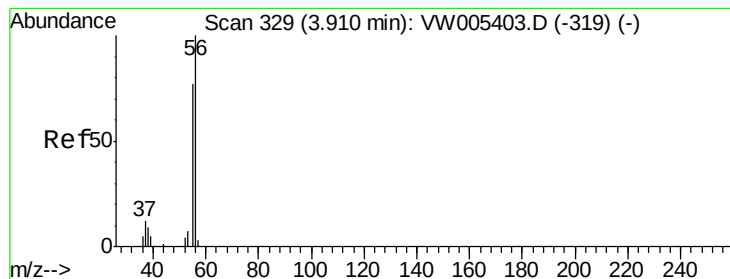
Tgt Ion: 142 Resp: 264
Ion Ratio Lower Upper
142 100
127 40.2 37.5 56.3
141 0.0 12.4 18.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 543
Delta R.T. 0.00 min
Lab File: VW005417.D
Acq: 15 Sep 2018 06:53

Tgt Ion: 59 Resp: 170
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#13

Acrolein

Concen: Below Cal

RT: 3.81 min Scan# 312

Delta R.T. -0.10 min

Lab File: VW005417.D

Acq: 15 Sep 2018 06:53

Instrument :

MSVOA_W

ClientSampleId :

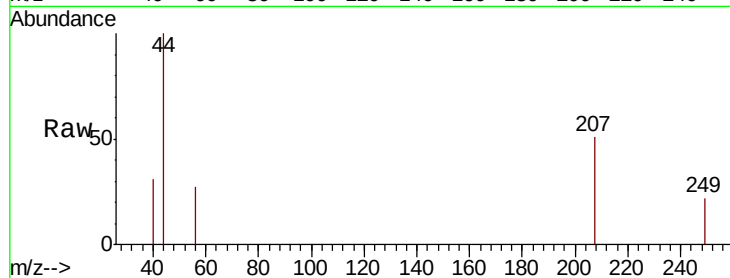
SP-PIT-2

Tgt Ion: 56 Resp: 26

Ion Ratio Lower Upper

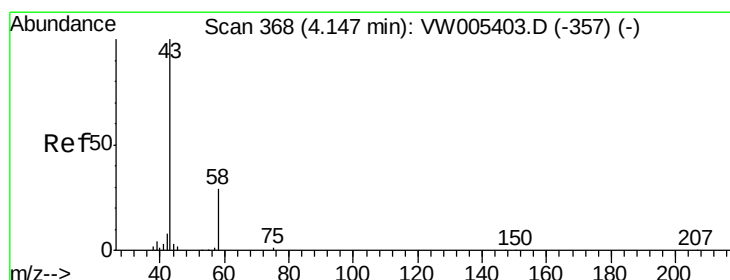
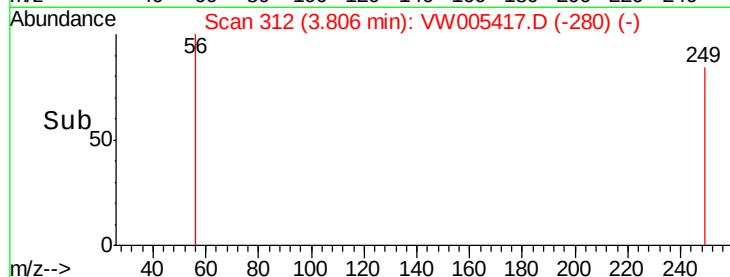
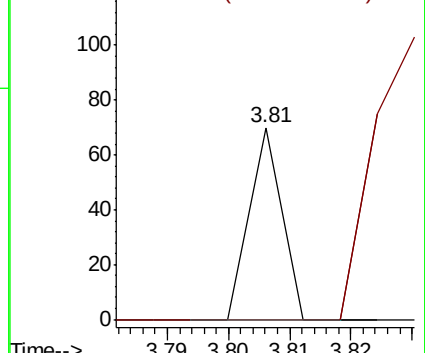
56 100

55 0.0 59.8 89.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 85.940 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW005417.D

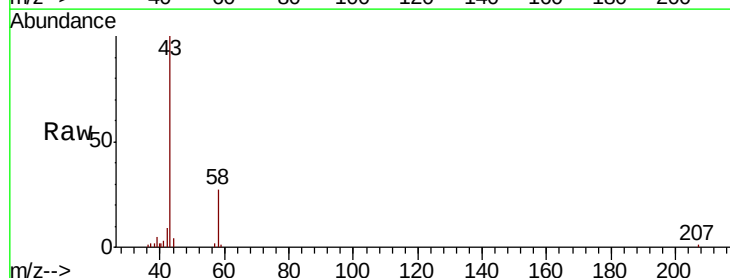
Acq: 15 Sep 2018 06:53

Tgt Ion: 43 Resp: 23199

Ion Ratio Lower Upper

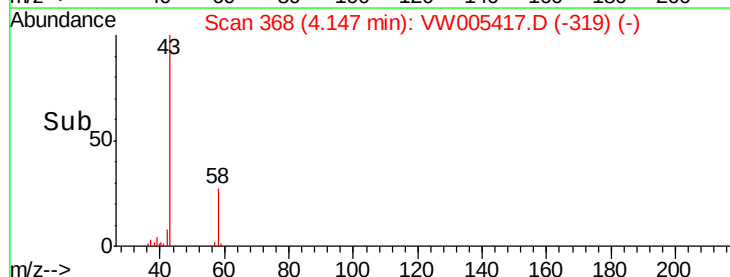
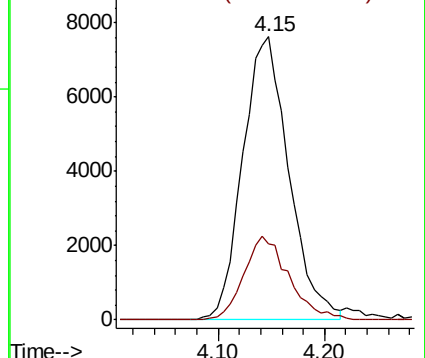
43 100

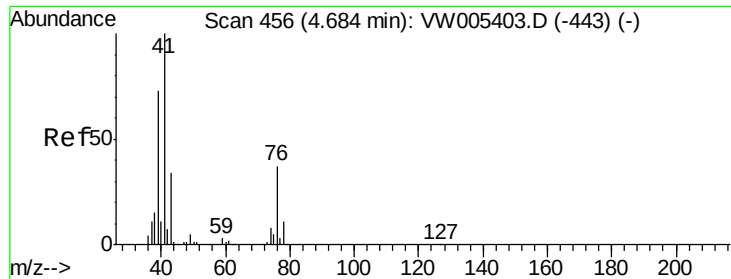
58 26.7 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

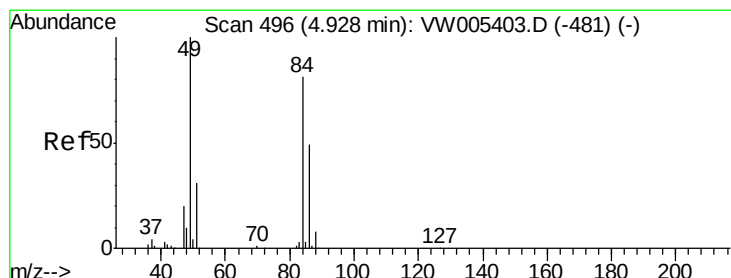
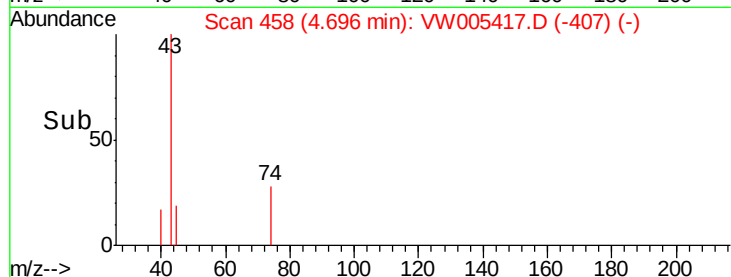
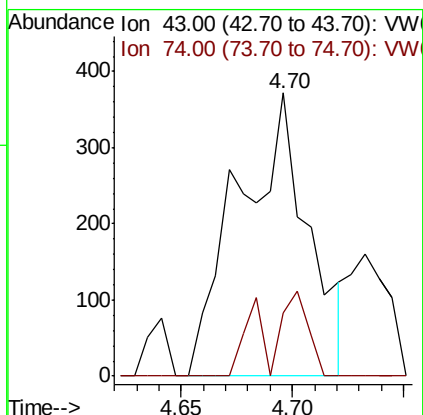
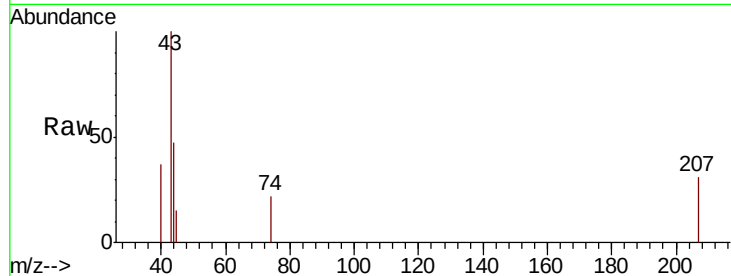




#18
Methyl Acetate
Concen: 1.016 ug/l
RT: 4.70 min Scan# 458
Delta R.T. 0.01 min
Lab File: VW005417.D
Acq: 15 Sep 2018 06:53

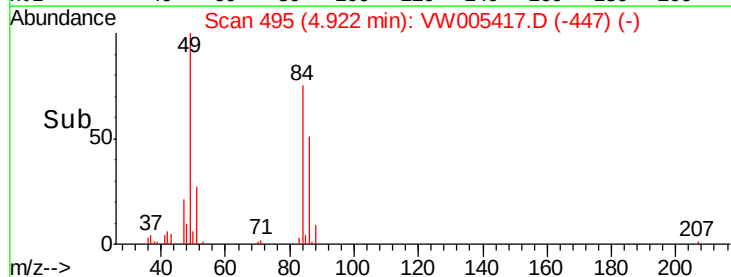
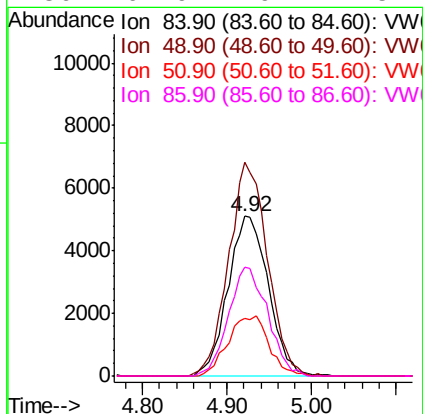
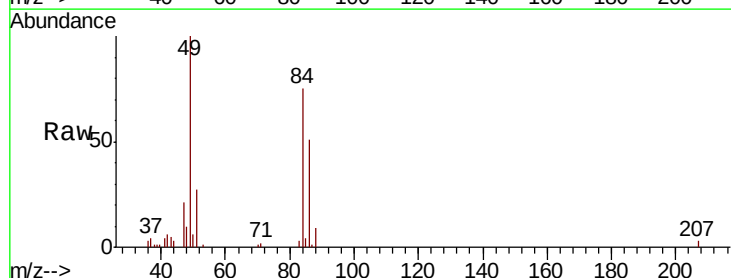
Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-2

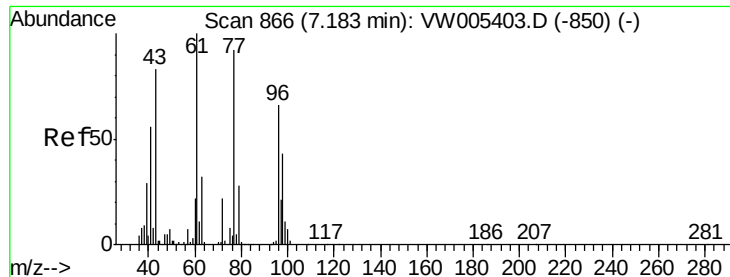
Tgt Ion: 43 Resp: 806
Ion Ratio Lower Upper
43 100
74 11.2 17.7 26.5#



#20
Methylene Chloride
Concen: 4.970 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005417.D
Acq: 15 Sep 2018 06:53

Tgt Ion: 84 Resp: 16600
Ion Ratio Lower Upper
84 100
49 133.8 99.3 148.9
51 36.1 31.1 46.7
86 67.9 49.1 73.7





#25

2-Butanone

Concen: 7.266 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW005417.D

Acq: 15 Sep 2018 06:53

Instrument :

MSVOA_W

ClientSampled :

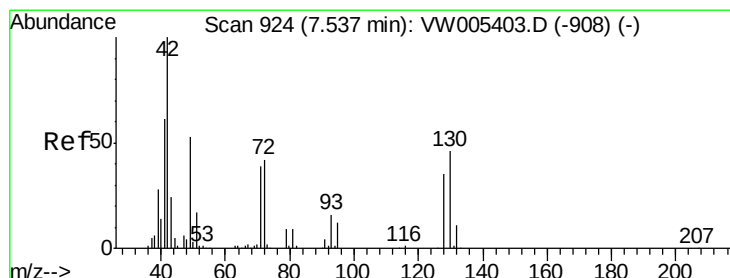
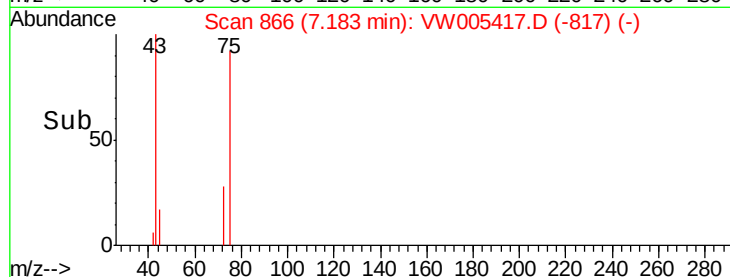
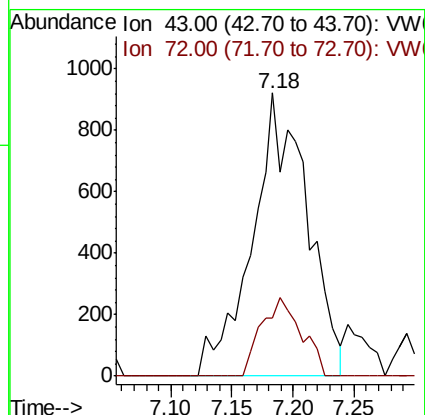
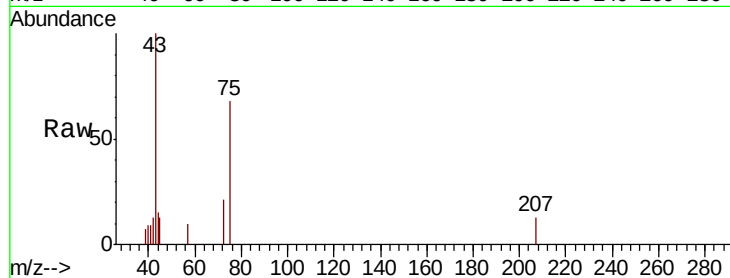
SP-PIT-2

Tgt Ion: 43 Resp: 2884

Ion Ratio Lower Upper

43 100

72 20.6 21.1 31.7#



#29

Tetrahydrofuran

Concen: 1.281 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005417.D

Acq: 15 Sep 2018 06:53

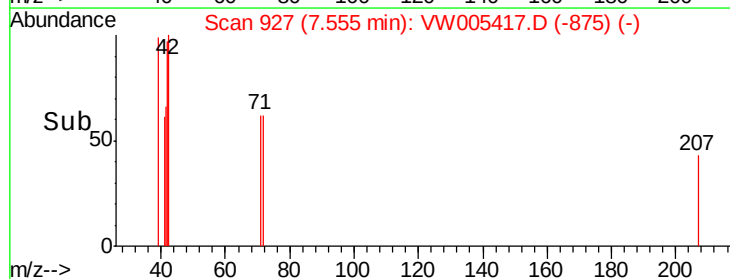
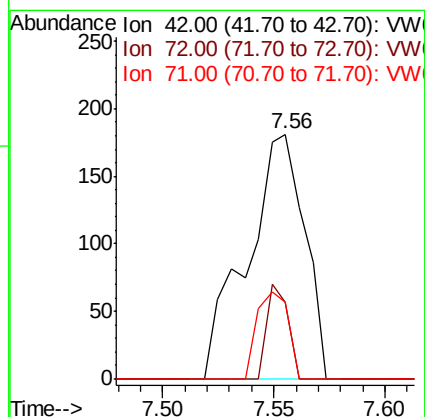
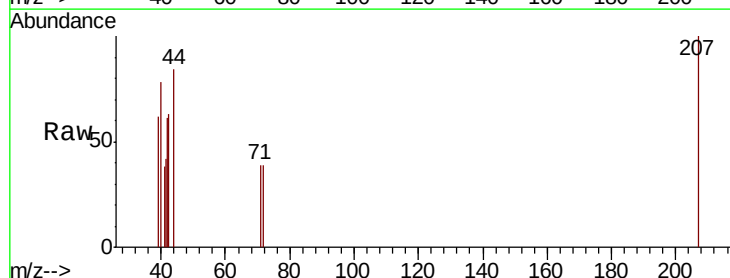
Tgt Ion: 42 Resp: 324

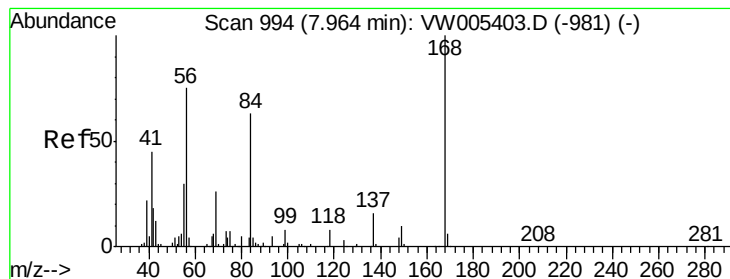
Ion Ratio Lower Upper

42 100

72 14.2 33.2 49.8#

71 19.4 31.0 46.6#





#31

Cyclohexane

Concen: 3.816 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005417.D

Acq: 15 Sep 2018 06:53

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-2

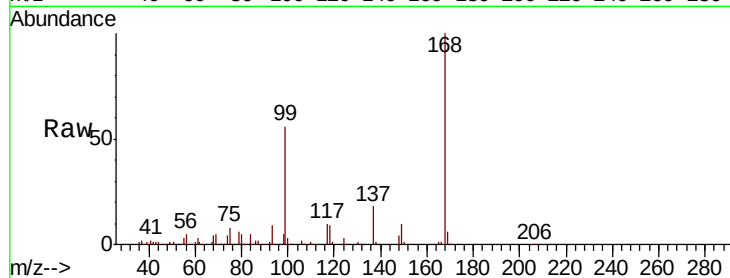
Tgt Ion: 56 Resp: 10050

Ion Ratio Lower Upper

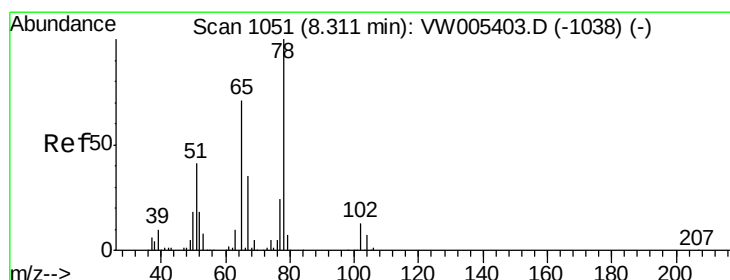
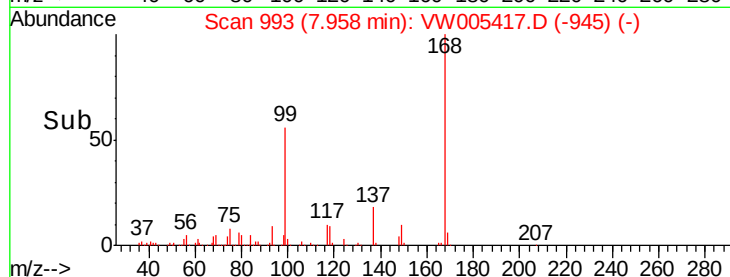
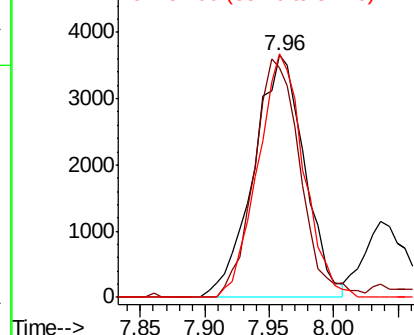
56 100

69 94.7 27.2 40.8#

84 100.6 66.7 100.1#



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: 50.211 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005417.D

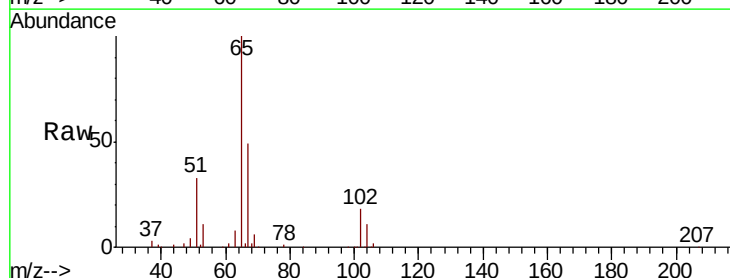
Acq: 15 Sep 2018 06:53

Tgt Ion: 65 Resp: 82854

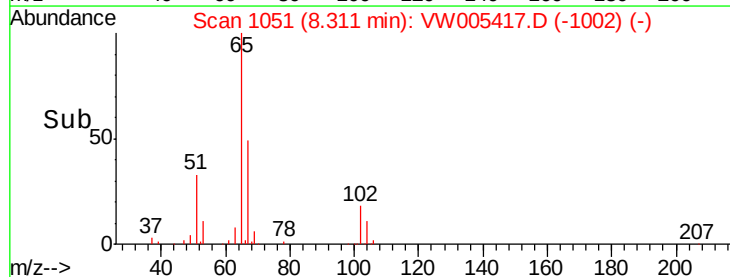
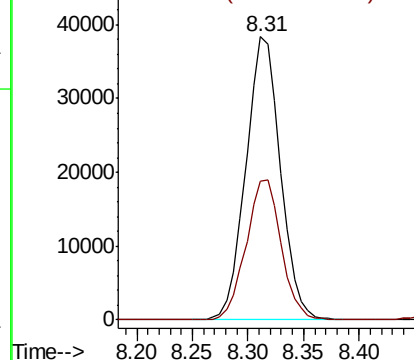
Ion Ratio Lower Upper

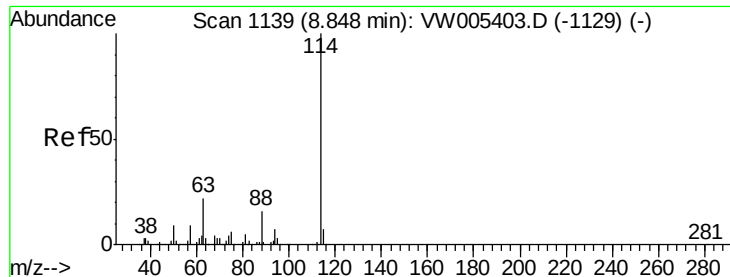
65 100

67 50.4 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

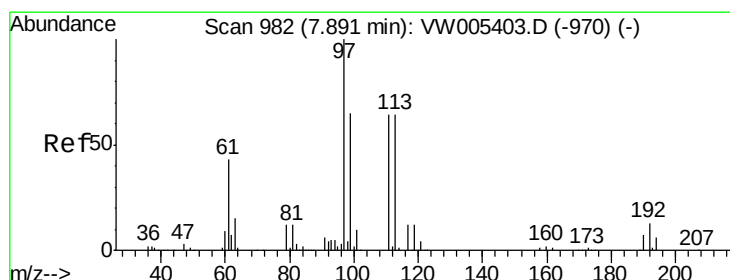
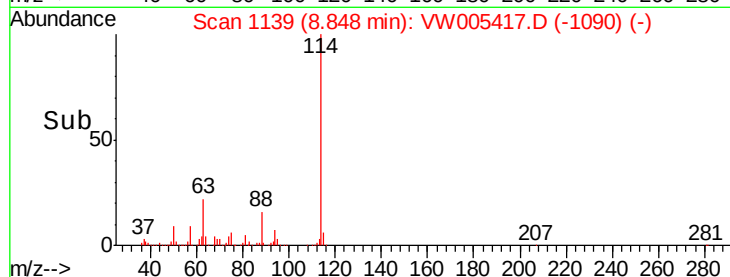
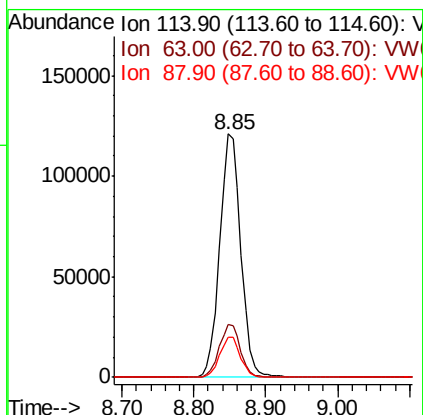
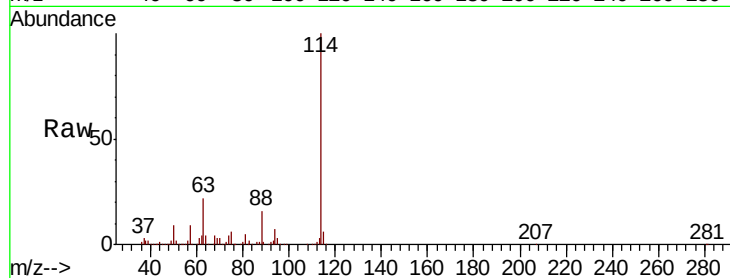




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005417.D
 Acq: 15 Sep 2018 06:53

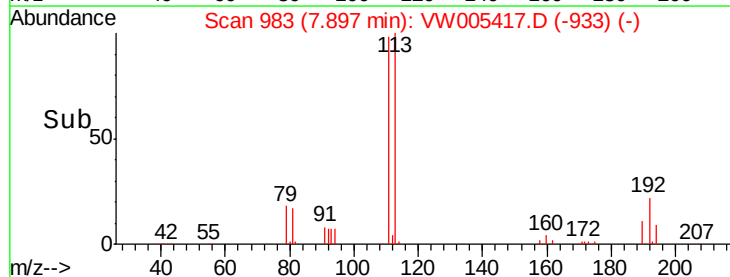
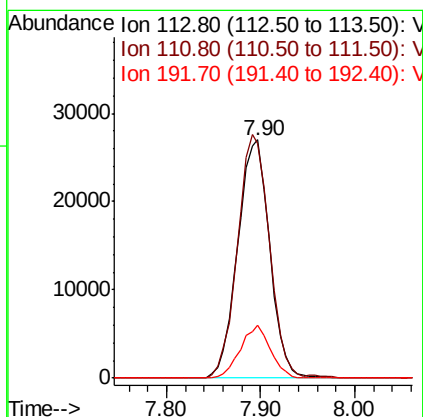
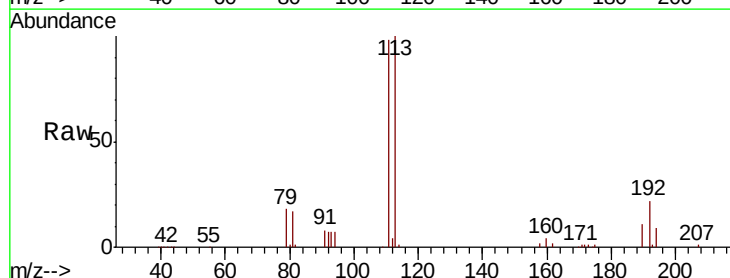
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-PIT-2

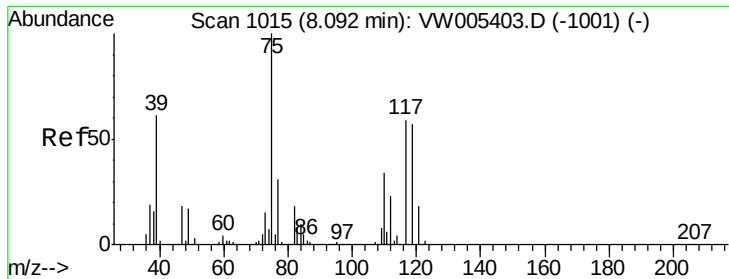
Tgt Ion:114 Resp: 246087
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.4
 88 16.4 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 46.505 ug/l
 RT: 7.90 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VW005417.D
 Acq: 15 Sep 2018 06:53

Tgt Ion:113 Resp: 64167
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.3 123.5
 192 20.8 16.5 24.7

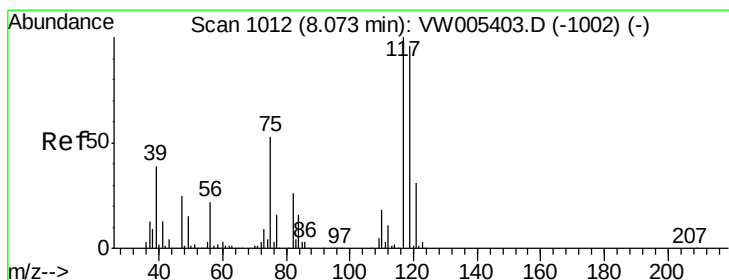
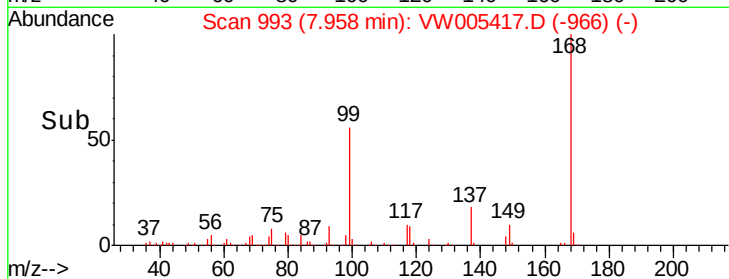
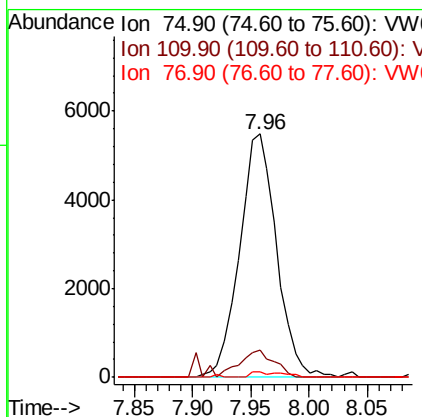
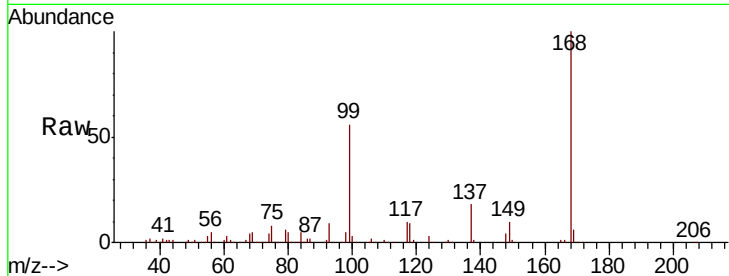




#36
 1,1-Dichloropropene
 Concen: 5.199 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005417.D
 Acq: 15 Sep 2018 06:53

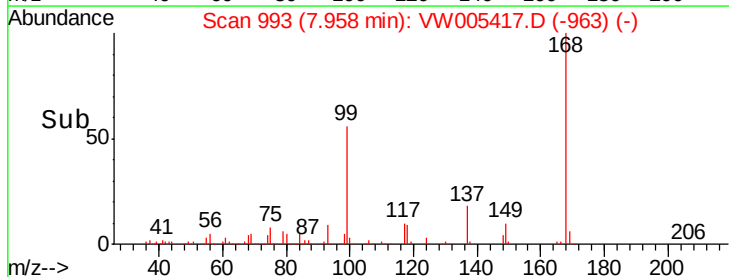
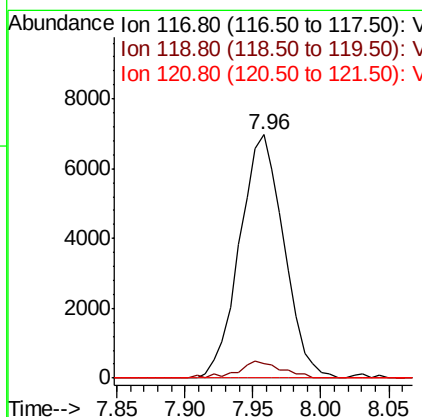
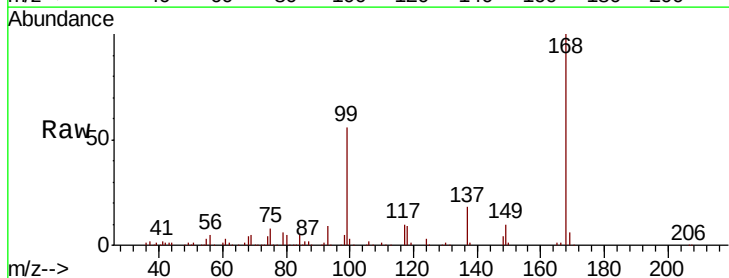
Instrument :
 MSVOA_W
 ClientSampled :
 SP-PIT-2

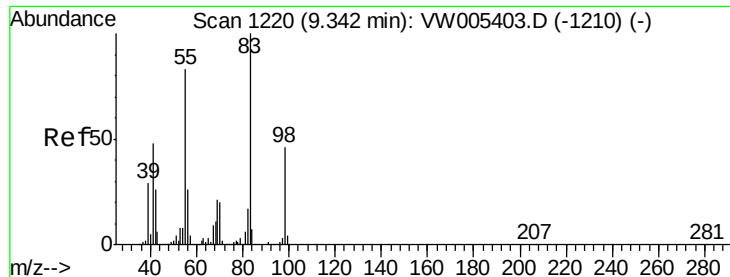
Tgt Ion: 75 Resp: 12107
 Ion Ratio Lower Upper
 75 100
 110 10.4 16.8 50.4#
 77 1.9 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.522 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005417.D
 Acq: 15 Sep 2018 06:53

Tgt Ion: 117 Resp: 15827
 Ion Ratio Lower Upper
 117 100
 119 6.1 76.8 115.2#
 121 0.0 24.7 37.1#

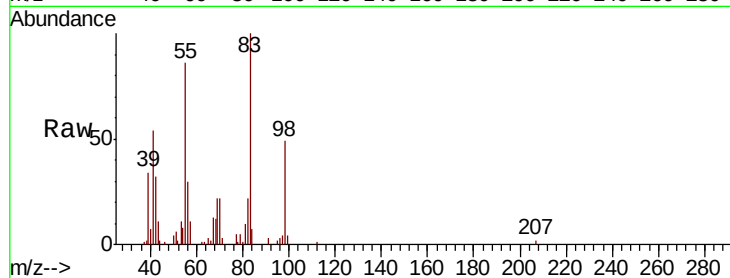




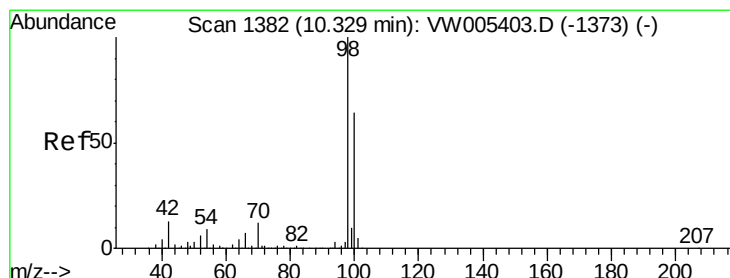
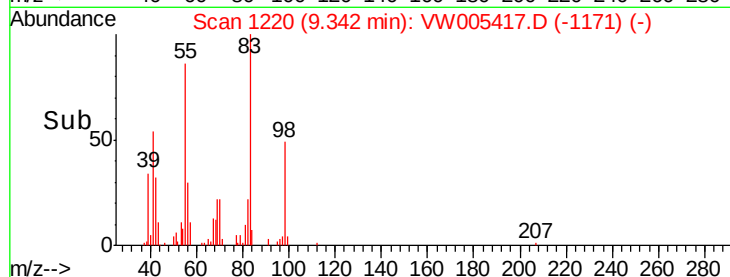
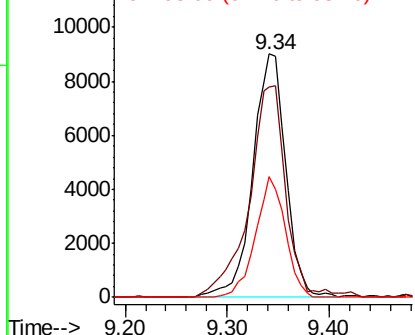
#39
Methylcyclohexane
Concen: 7.503 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005417.D
Acq: 15 Sep 2018 06:53

Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-2

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.4	66.1	99.1
98	49.4	36.7	55.1

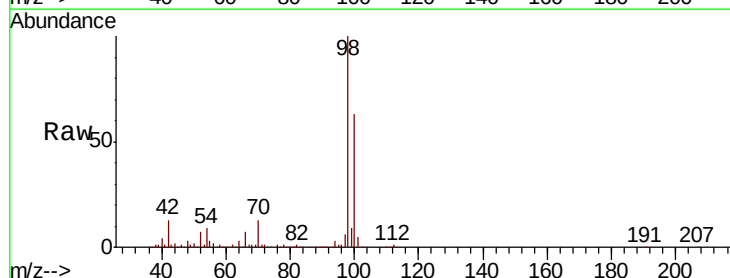


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

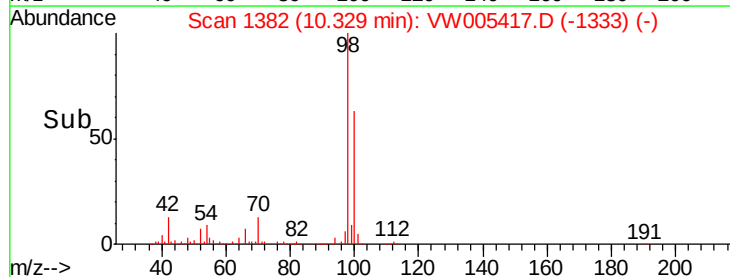
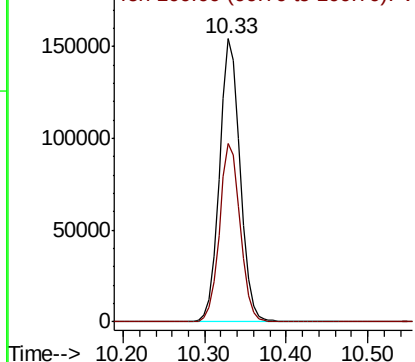


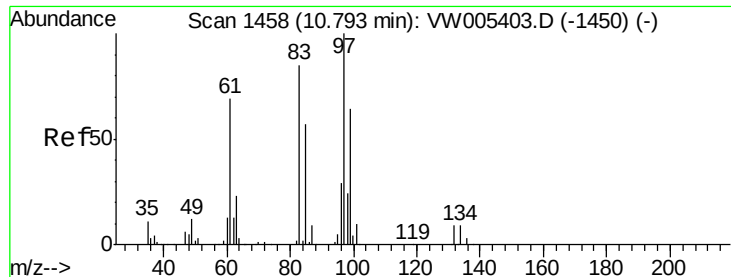
#50
Toluene-d8
Concen: 43.048 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005417.D
Acq: 15 Sep 2018 06:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.4	77.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

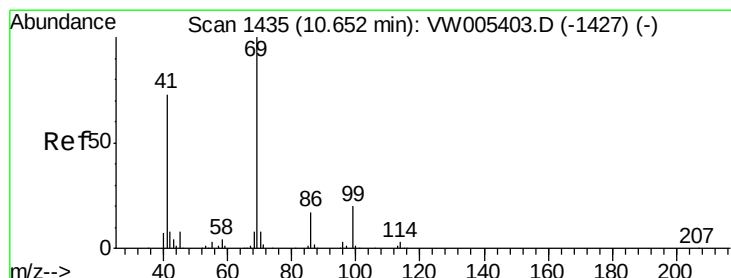
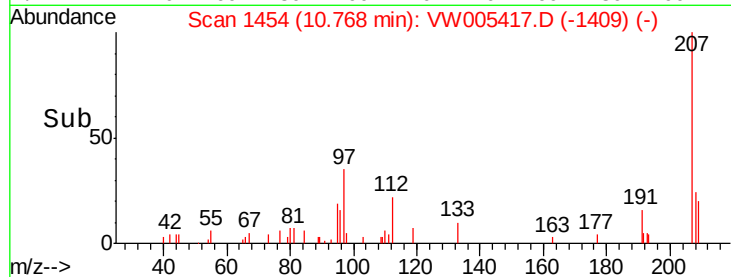
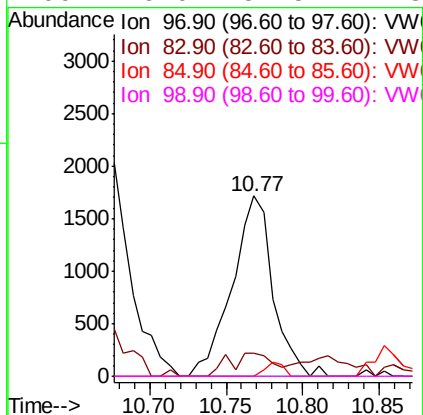
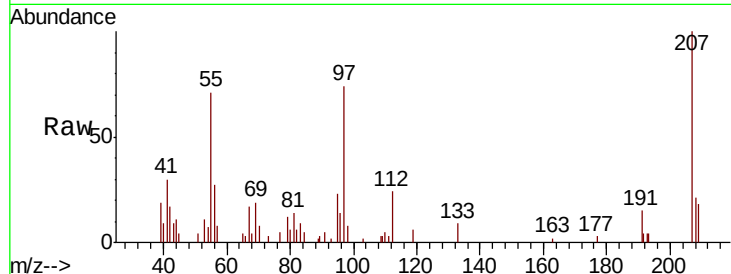




#55
 1,1,2-Trichloroethane
 Concen: 2.706 ug/l
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW005417.D
 Acq: 15 Sep 2018 06:53

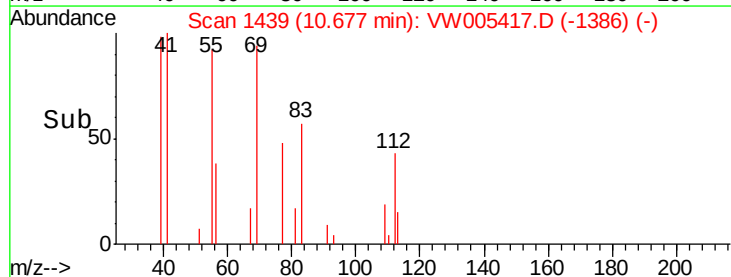
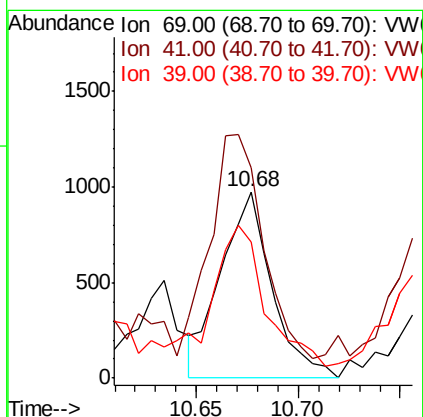
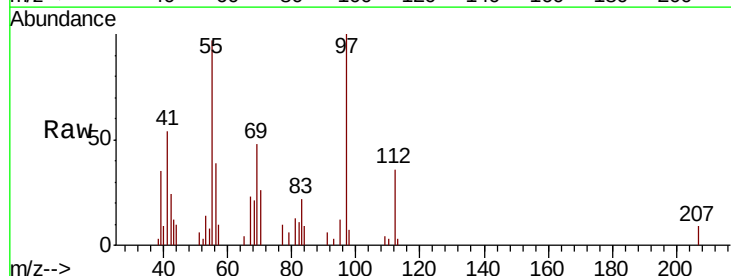
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-PIT-2

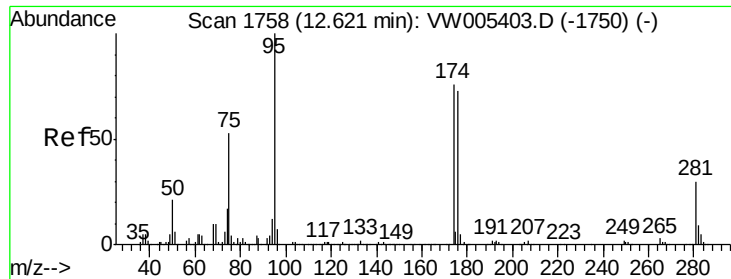
Tgt Ion: 97 Resp: 3189
 Ion Ratio Lower Upper
 97 100
 83 12.5 67.8 101.8#
 85 0.0 45.4 68.0#
 99 0.0 51.5 77.3#



#56
 Ethyl methacrylate
 Concen: 1.134 ug/l
 RT: 10.68 min Scan# 1439
 Delta R.T. 0.02 min
 Lab File: VW005417.D
 Acq: 15 Sep 2018 06:53

Tgt Ion: 69 Resp: 1692
 Ion Ratio Lower Upper
 69 100
 41 126.7 59.3 88.9#
 39 85.6 30.2 45.4#





#62

4-Bromofluorobenzene

Concen: 36.992 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005417.D

Acq: 15 Sep 2018 06:53

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-2

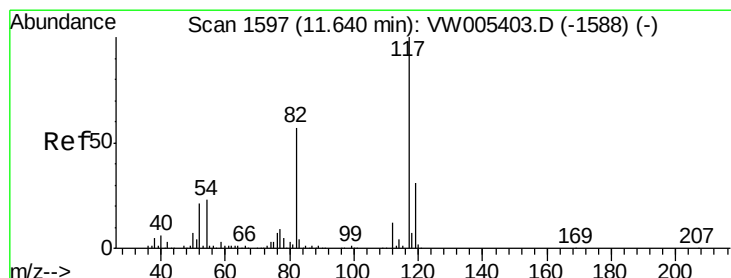
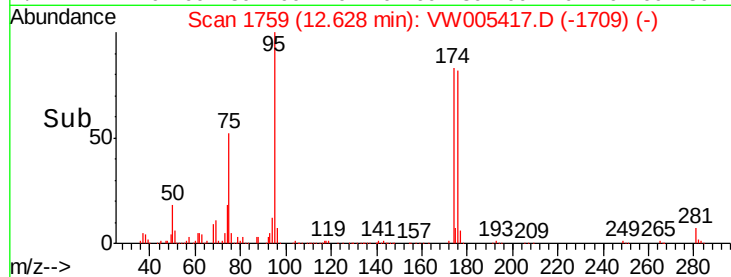
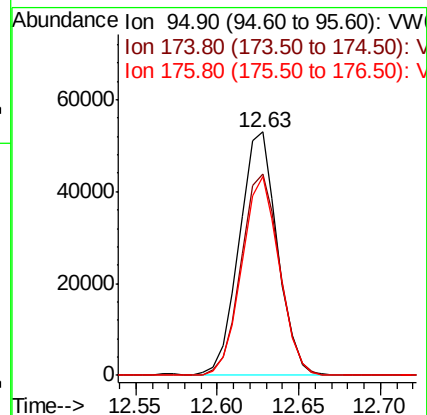
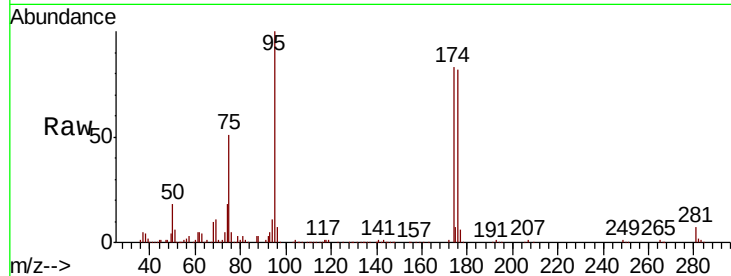
Tgt Ion: 95 Resp: 85705

Ion Ratio Lower Upper

95 100

174 84.0 0.0 161.2

176 80.7 0.0 156.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VW005417.D

Acq: 15 Sep 2018 06:53

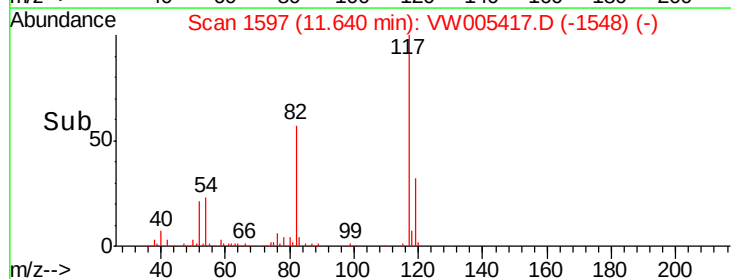
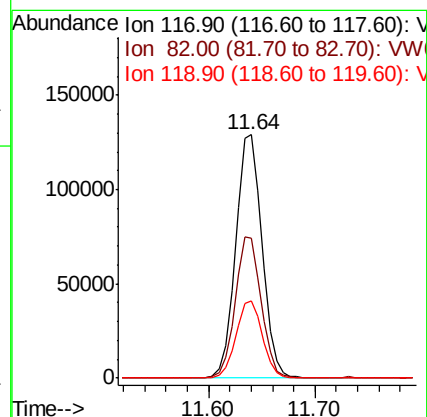
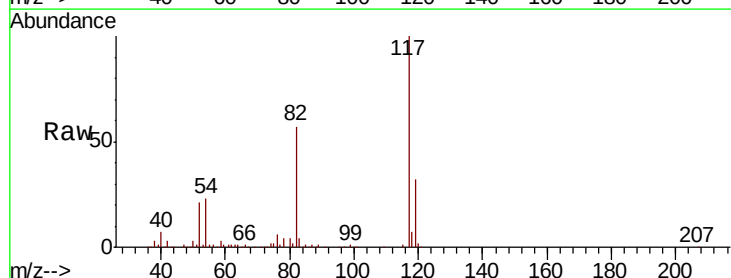
Tgt Ion: 117 Resp: 224512

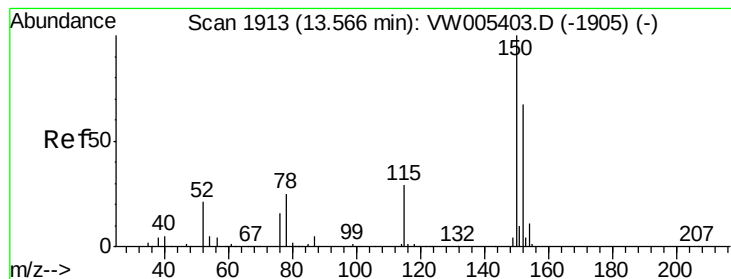
Ion Ratio Lower Upper

117 100

82 57.3 45.9 68.9

119 31.6 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005417.D

Acq: 15 Sep 2018 06:53

Instrument :

MSVOA_W

ClientSampled :

SP-PIT-2

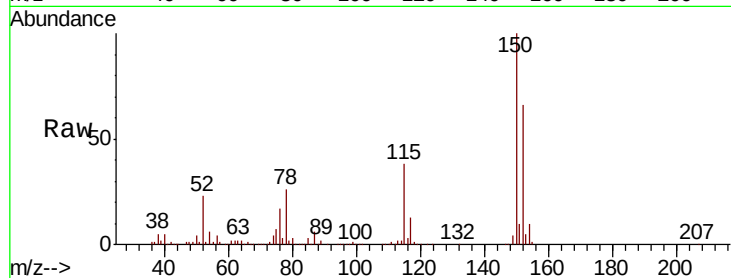
Tgt Ion:152 Resp: 94058

Ion Ratio Lower Upper

152 100

115 58.2 29.5 88.5

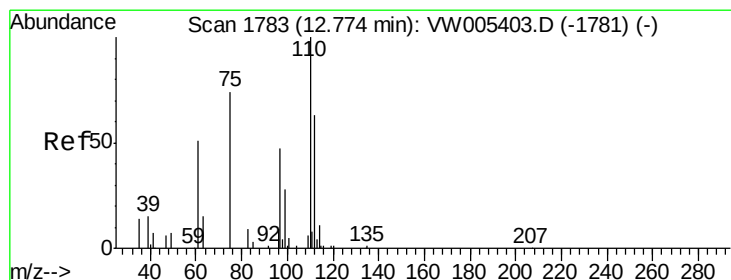
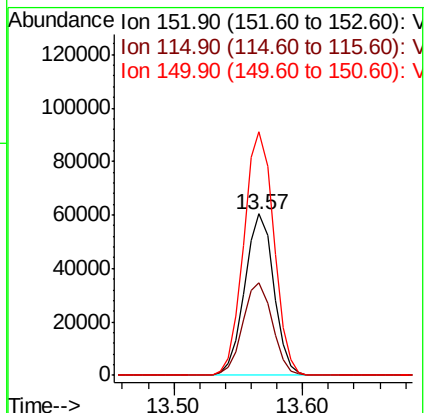
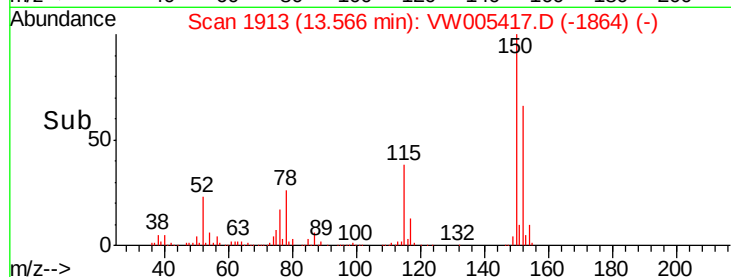
150 155.9 0.0 345.6



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: 59.644 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005417.D

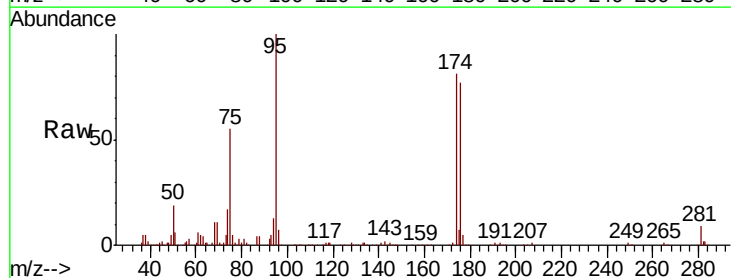
Acq: 15 Sep 2018 06:53

Tgt Ion: 75 Resp: 46141

Ion Ratio Lower Upper

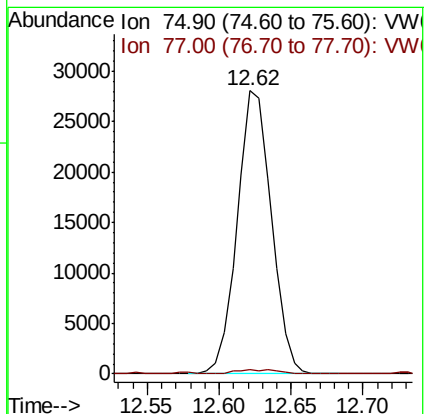
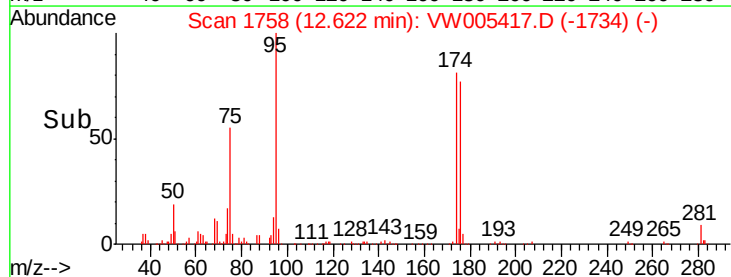
75 100

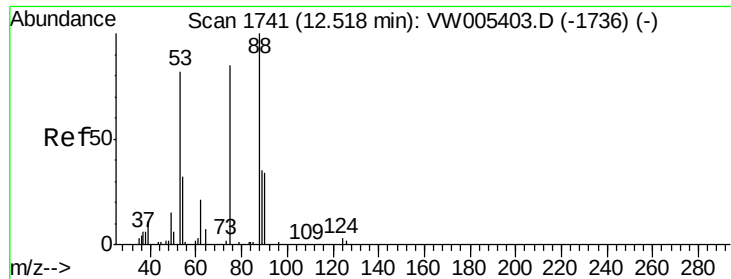
77 1.8 0.0 0.0#



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: 154.720 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005417.D

Acq: 15 Sep 2018 06:53

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-2

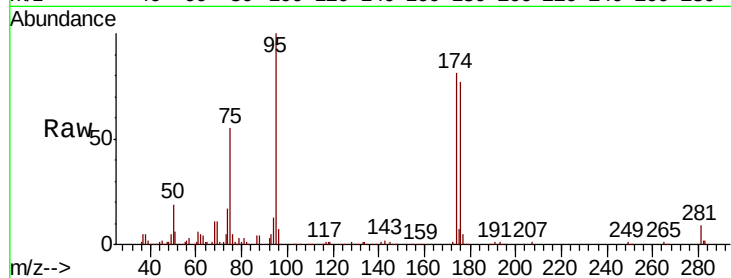
Tgt Ion: 75 Resp: 46141

Ion Ratio Lower Upper

75 100

53 0.1 83.2 124.8#

89 0.0 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

