

Data File : VW005413.D
Acq On : 15 Sep 2018 05:11
Operator : SY/AP
Sample : J4906-13
Misc : 6.43G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-8

Quant Time: Sep 15 06:17:45 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	74639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	105147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	80665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	24245	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	39141	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.89	113	29344	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.33	98	103122	38.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.40%	
62) 4-Bromofluorobenzene	12.62	95	24739	24.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.98%	

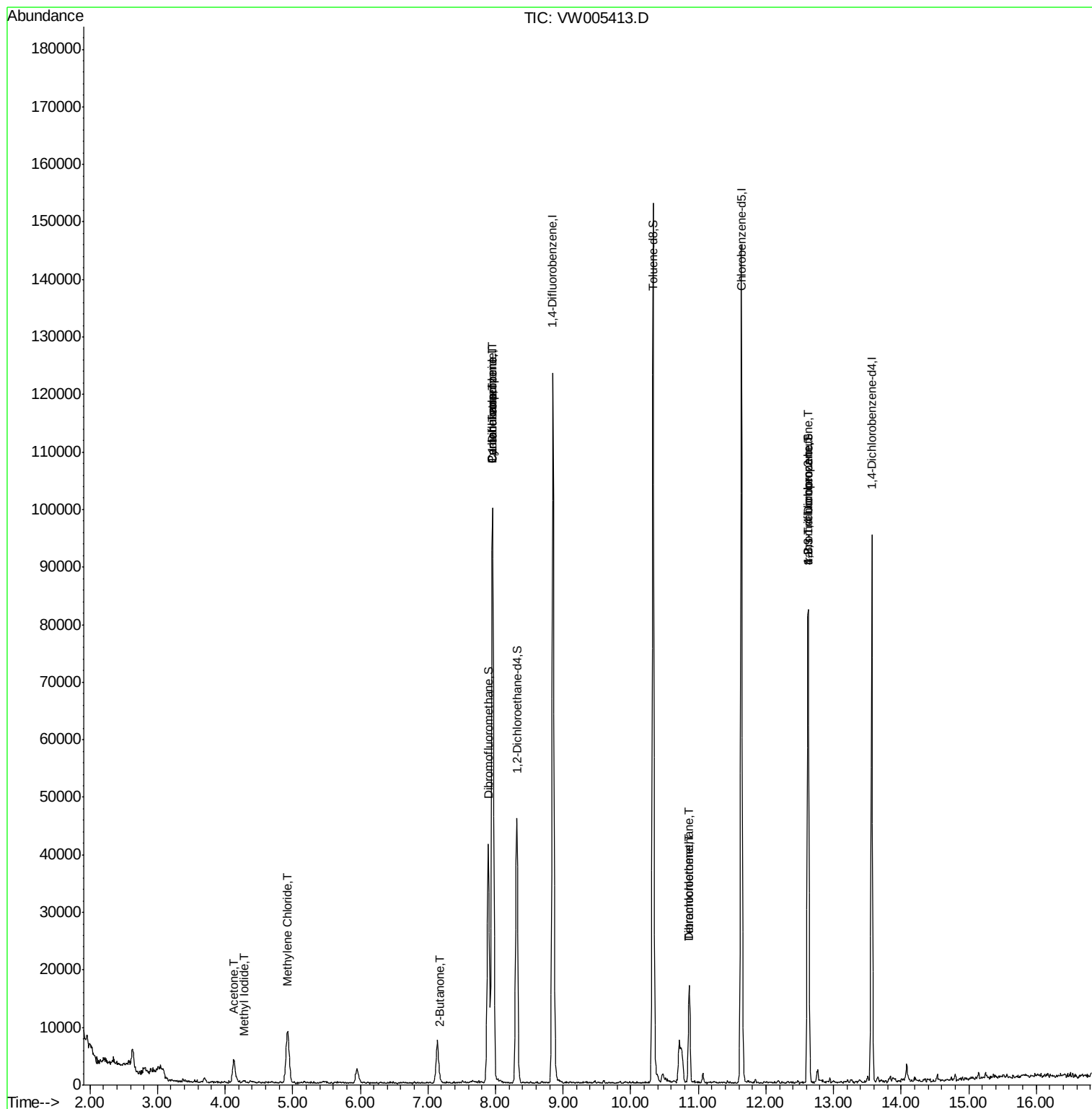
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	104	Below Cal	#	42
5) Bromomethane	2.79	94	219	Below Cal	#	4
10) Methyl Iodide	4.28	142	346	4.443	ug/l #	78
11) Tert butyl alcohol	5.20	59	56	Below Cal	#	71
16) Acetone	4.13	43	7357	51.744	ug/l	97
20) Methylene Chloride	4.92	84	7418	4.418	ug/l	95
25) 2-Butanone	7.18	43	258	1.384	ug/l #	49
31) Cyclohexane	7.95	56	1884	1.524	ug/l #	45
36) 1,1-Dichloropropene	7.96	75	5860	5.889	ug/l #	51
38) Carbon Tetrachloride	7.96	117	7001	6.752	ug/l #	17
60) Dibromochloromethane	10.87	129	2924	4.826	ug/l #	11
64) Tetrachloroethene	10.87	164	4096	6.871	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	13326	66.827	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	13326	173.354	ug/l #	8

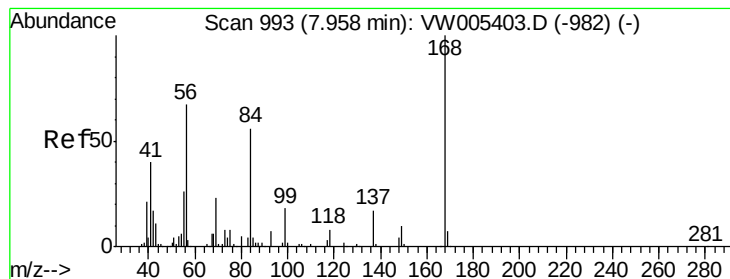
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005413.D

Acq: 15 Sep 2018 05:11

Instrument :

MSVOA_W

ClientSampleId :

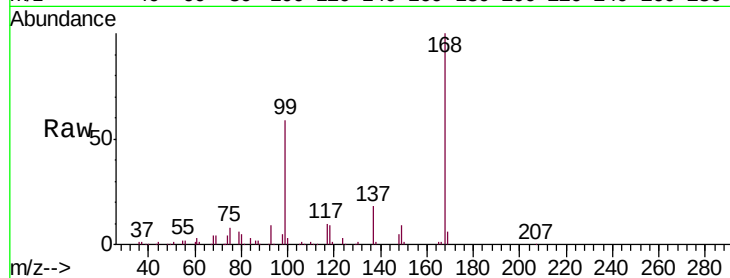
SP-PIT-8

Tgt Ion:168 Resp: 74639

Ion Ratio Lower Upper

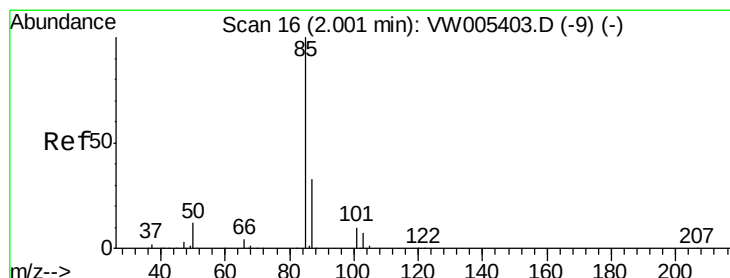
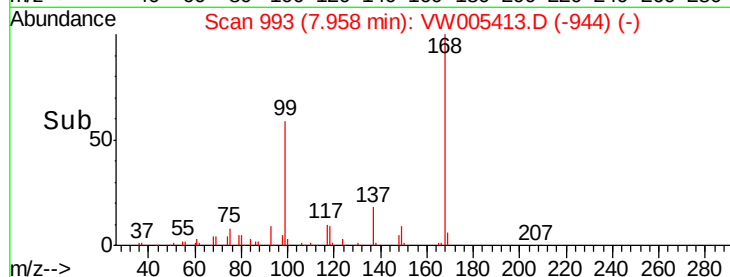
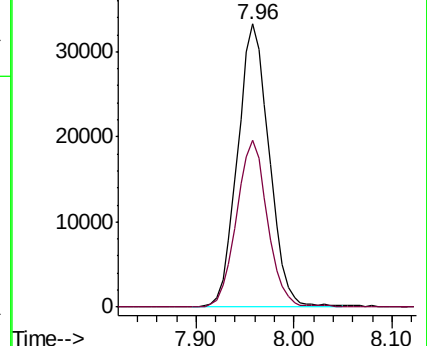
168 100

99 59.1 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: VW005413.D

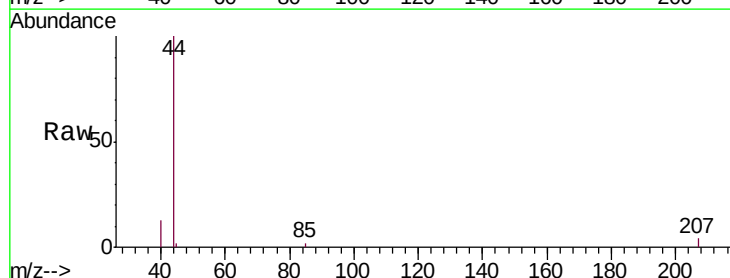
Acq: 15 Sep 2018 05:11

Tgt Ion: 85 Resp: 104

Ion Ratio Lower Upper

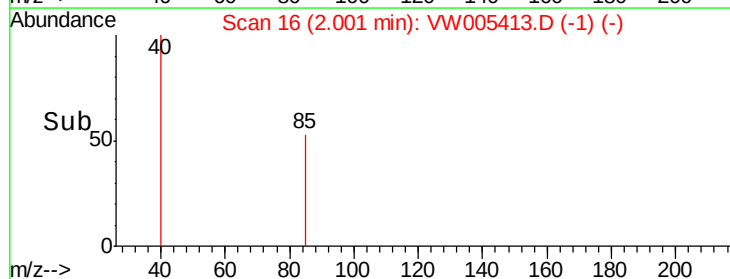
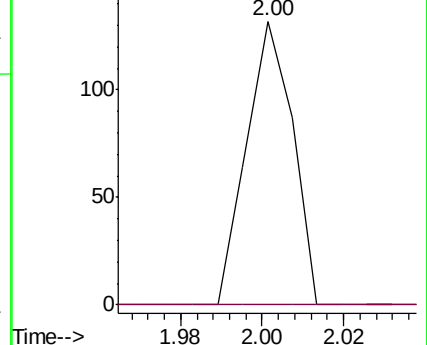
85 100

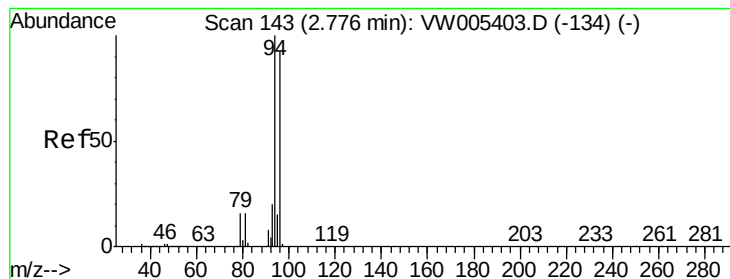
87 0.0 16.4 49.1#



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: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005413.D

Acq: 15 Sep 2018 05:11

Instrument :

MSVOA_W

ClientSampled :

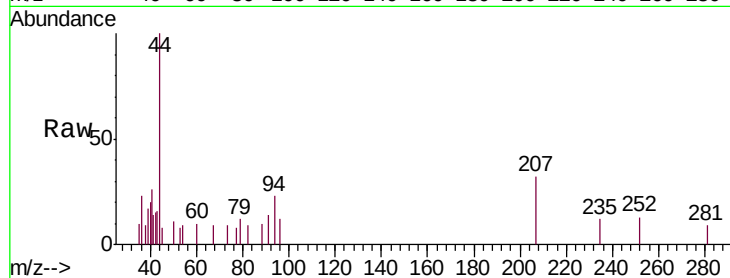
SP-PIT-8

Tgt Ion: 94 Resp: 219

Ion Ratio Lower Upper

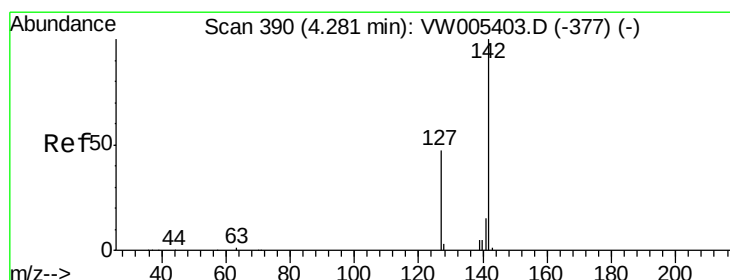
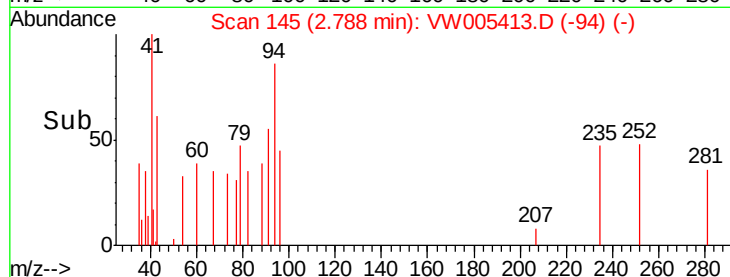
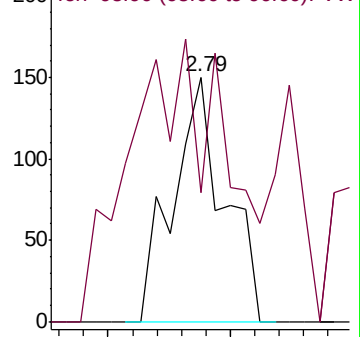
94 100

96 0.0 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#10

Methyl Iodide

Concen: 4.443 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.00 min

Lab File: VW005413.D

Acq: 15 Sep 2018 05:11

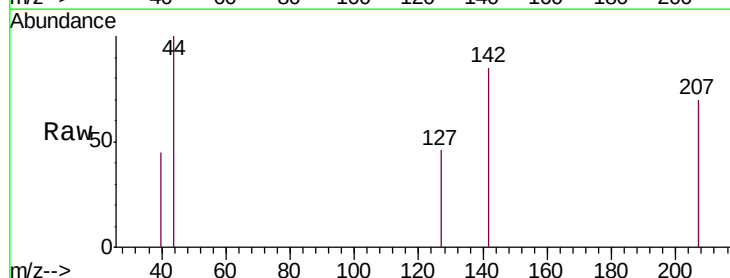
Tgt Ion: 142 Resp: 346

Ion Ratio Lower Upper

142 100

127 35.5 37.5 56.3#

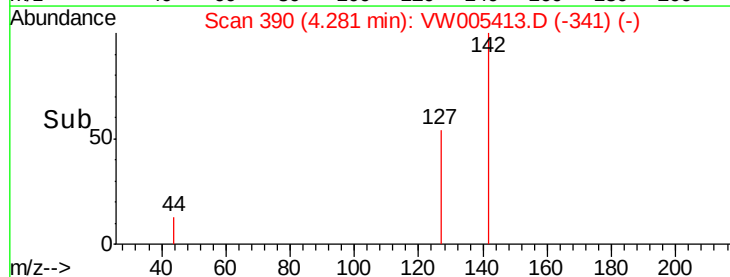
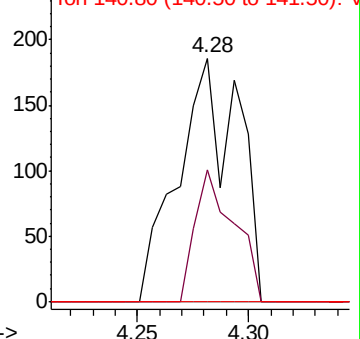
141 0.0 12.4 18.6#

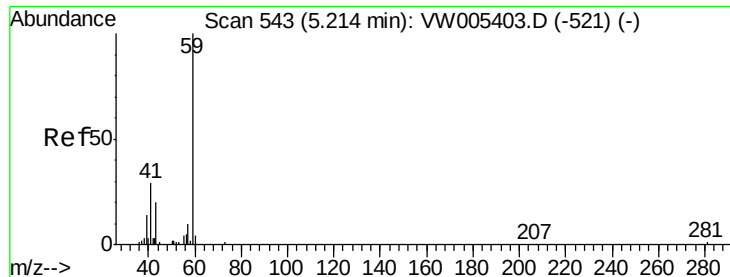


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



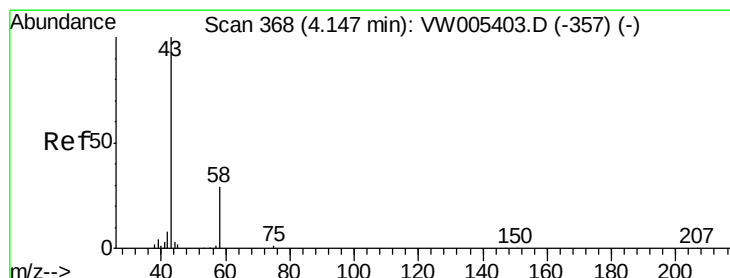
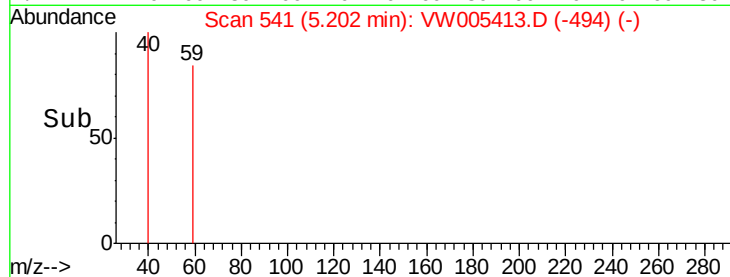
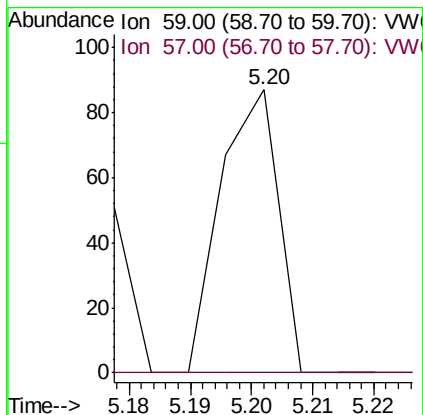
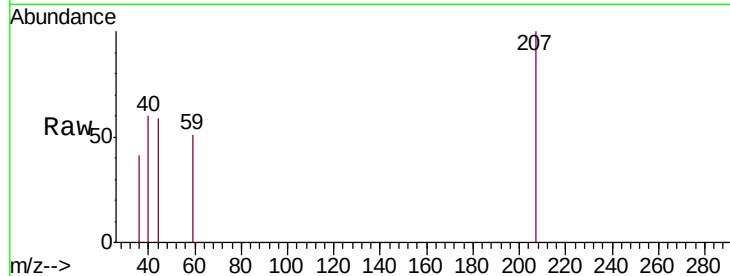


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VW005413.D
 Acq: 15 Sep 2018 05:11

Instrument :
 MSVOA_W
 ClientSampled :
 SP-PIT-8

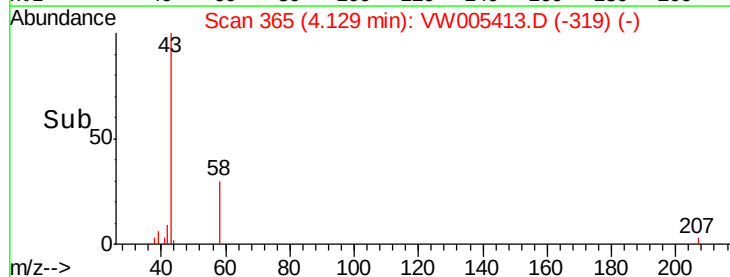
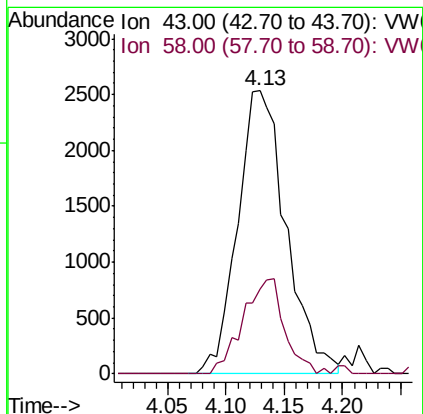
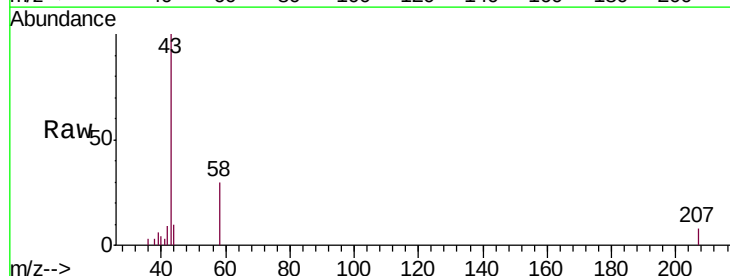
Tgt Ion: 59 Resp: 56
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

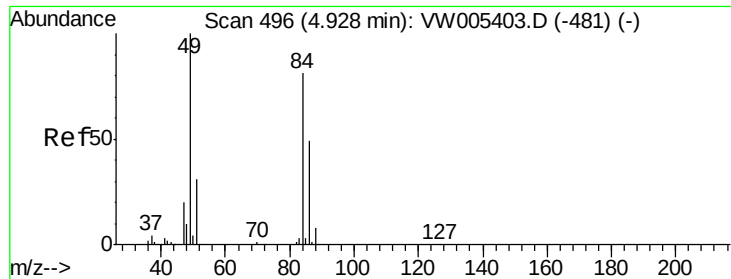


#16

Acetone
 Concen: 51.744 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.02 min
 Lab File: VW005413.D
 Acq: 15 Sep 2018 05:11

Tgt Ion: 43 Resp: 7357
 Ion Ratio Lower Upper
 43 100
 58 30.2 22.8 34.2

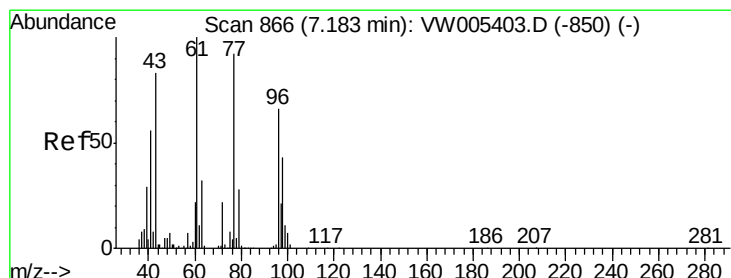
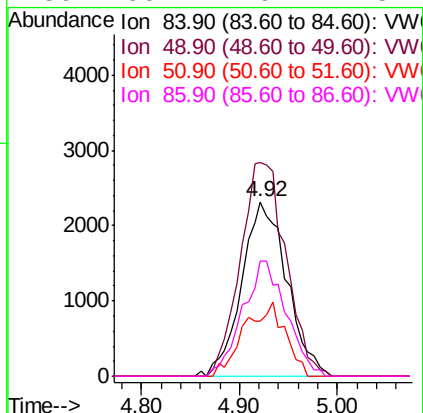
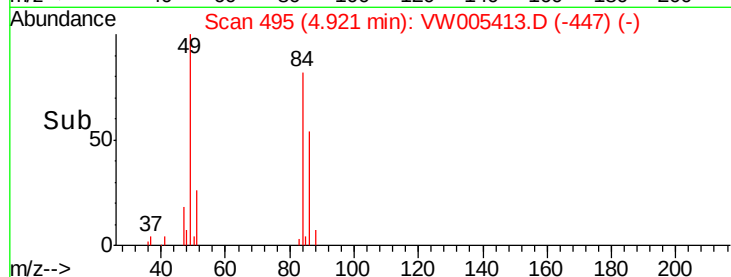
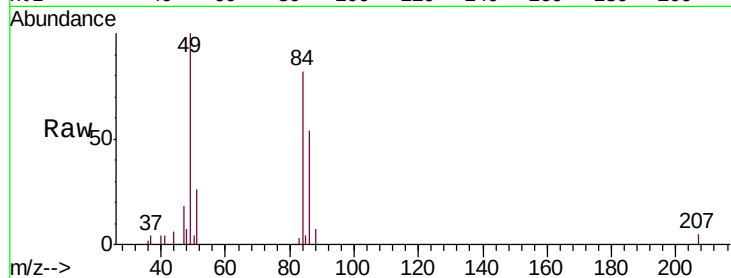




#20
Methylene Chloride
Concen: 4.418 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005413.D
Acq: 15 Sep 2018 05:11

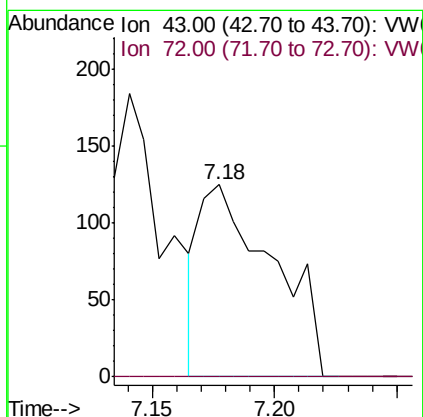
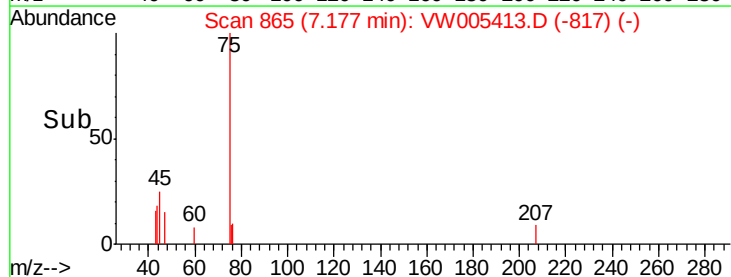
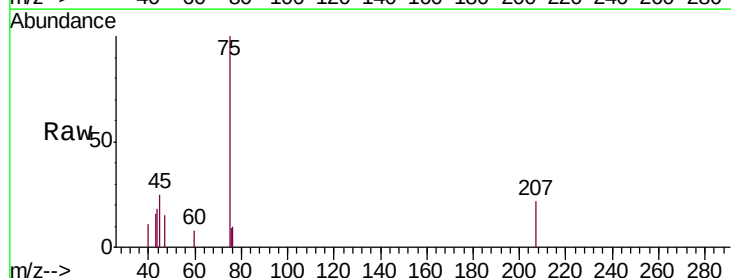
Instrument :
MSVOA_W
ClientSampled :
SP-PIT-8

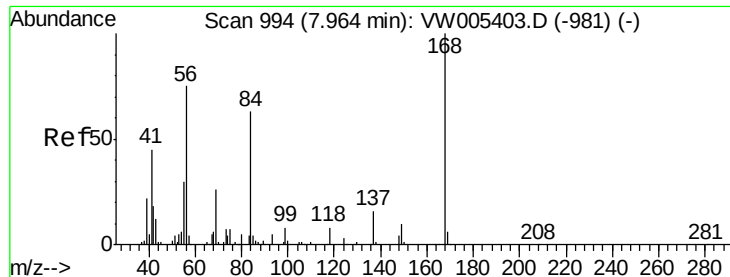
Tgt Ion: 84 Resp: 7418
Ion Ratio Lower Upper
84 100
49 122.5 99.3 148.9
51 31.4 31.1 46.7
86 66.4 49.1 73.7



#25
2-Butanone
Concen: 1.384 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW005413.D
Acq: 15 Sep 2018 05:11

Tgt Ion: 43 Resp: 258
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#

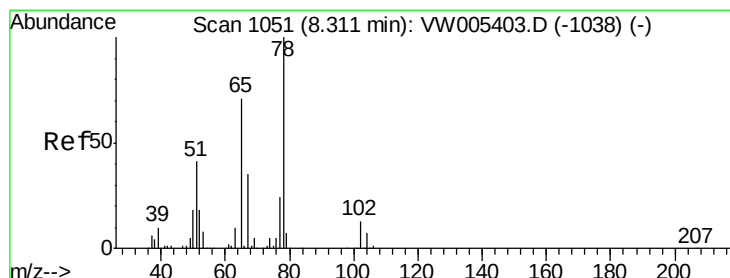
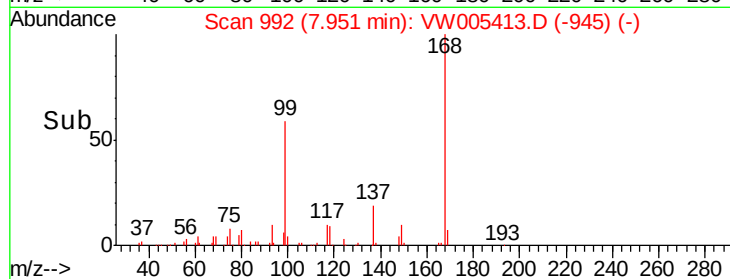
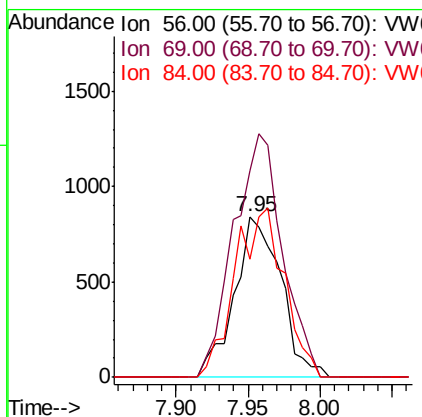
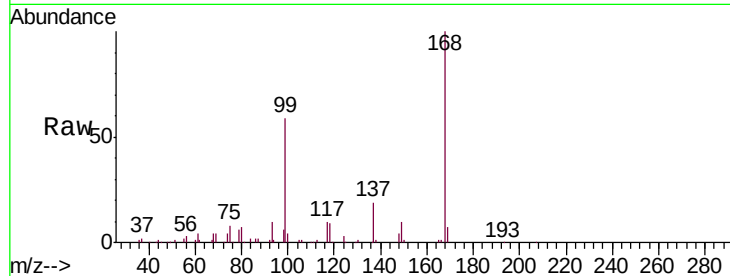




#31
Cyclohexane
Concen: 1.524 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005413.D
Acq: 15 Sep 2018 05:11

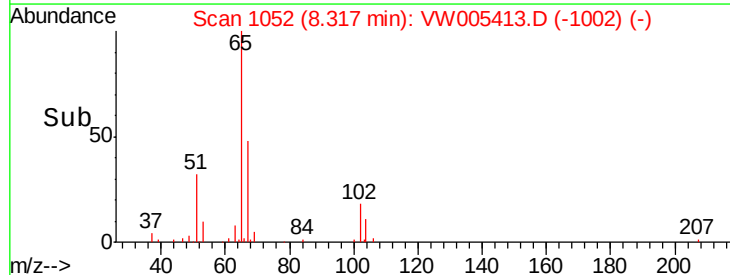
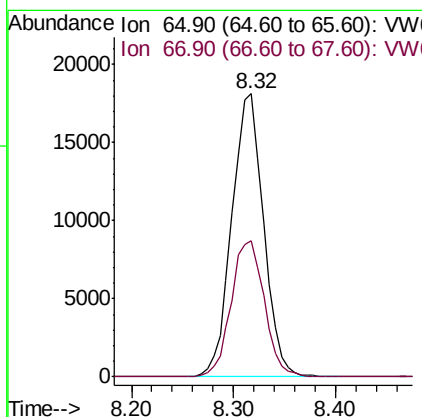
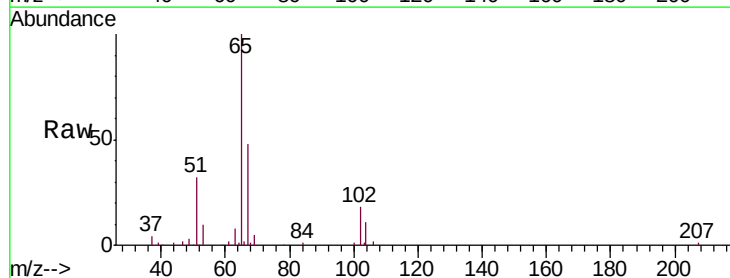
Instrument :
MSVOA_W
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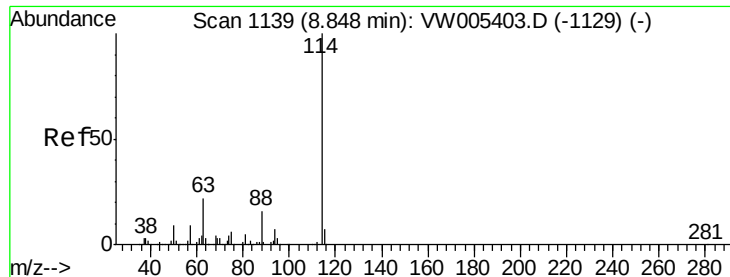
Tgt Ion: 56 Resp: 1884
Ion Ratio Lower Upper
56 100
69 128.4 27.2 40.8#
84 73.8 66.7 100.1



#33
1,2-Dichloroethane-d4
Concen: 50.520 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VW005413.D
Acq: 15 Sep 2018 05:11

Tgt Ion: 65 Resp: 39141
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.6

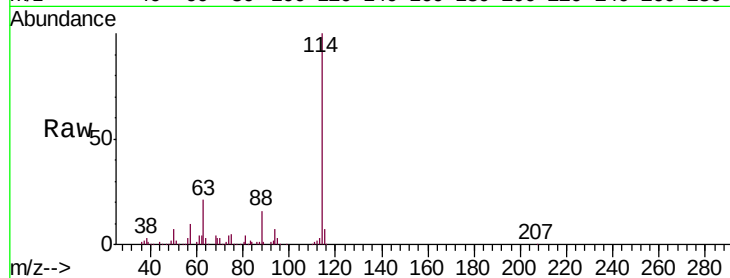




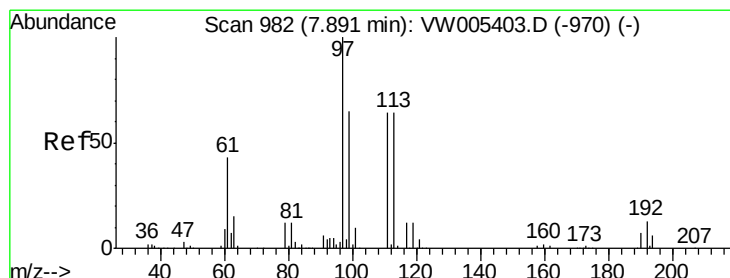
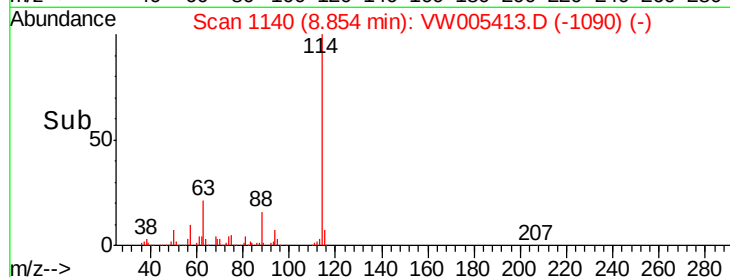
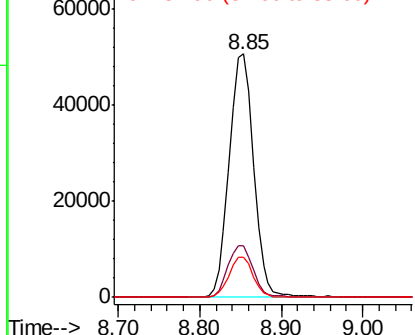
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005413.D
 Acq: 15 Sep 2018 05:11

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-PIT-8

Tgt Ion:114 Resp: 105147
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.4
 88 16.5 0.0 31.8

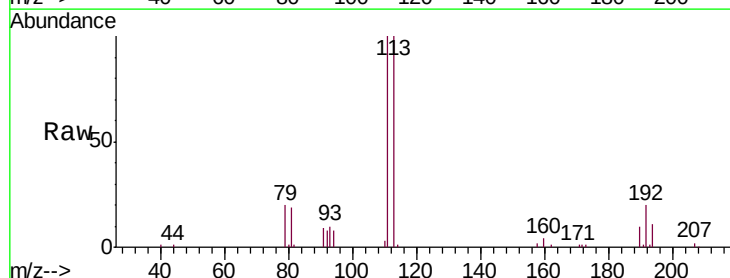


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

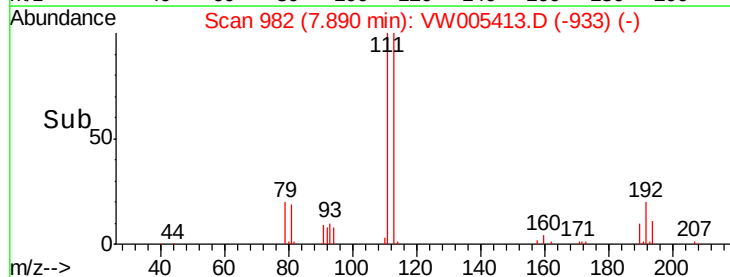
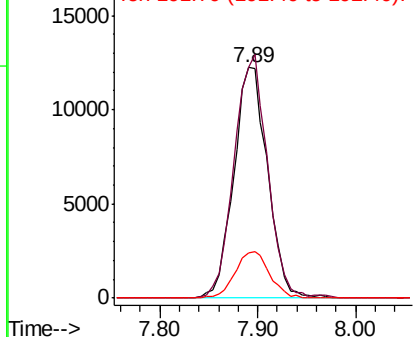


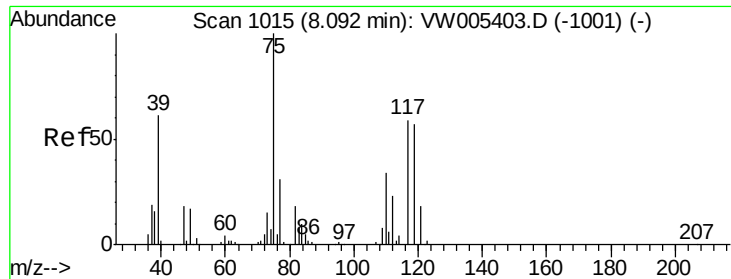
#35
 Dibromofluoromethane
 Concen: 49.774 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005413.D
 Acq: 15 Sep 2018 05:11

Tgt Ion:113 Resp: 29344
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.3 123.5
 192 20.3 16.5 24.7



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

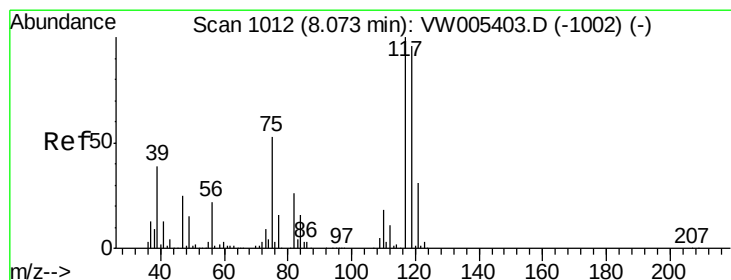
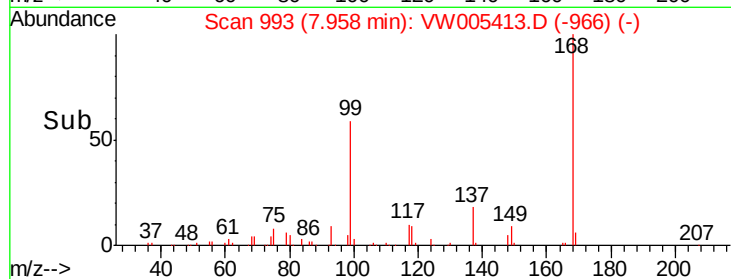
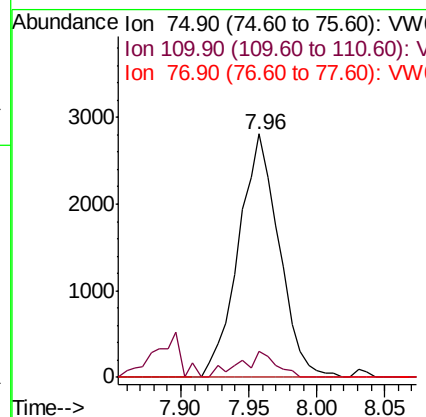
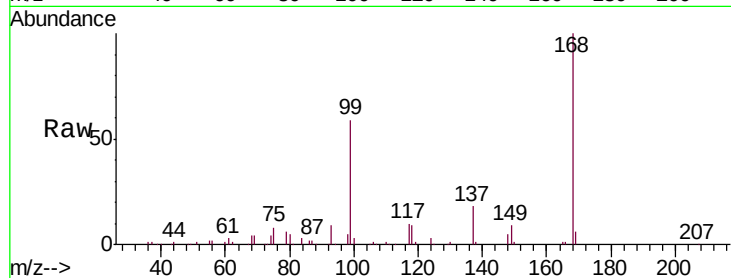




#36
 1,1-Dichloropropene
 Concen: 5.889 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005413.D
 Acq: 15 Sep 2018 05:11

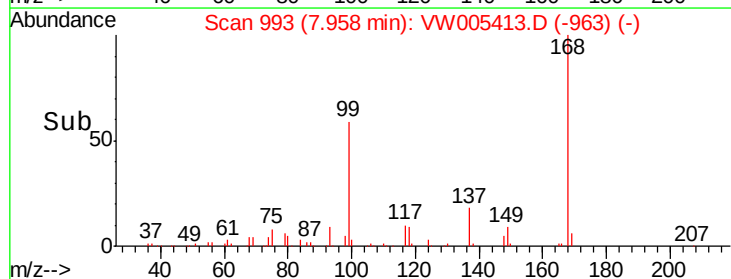
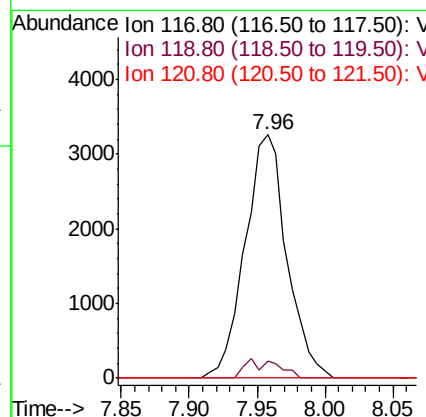
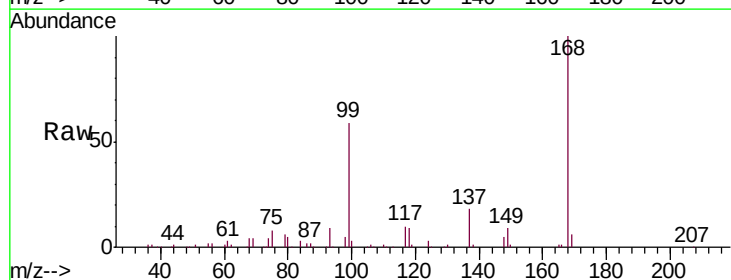
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-PIT-8

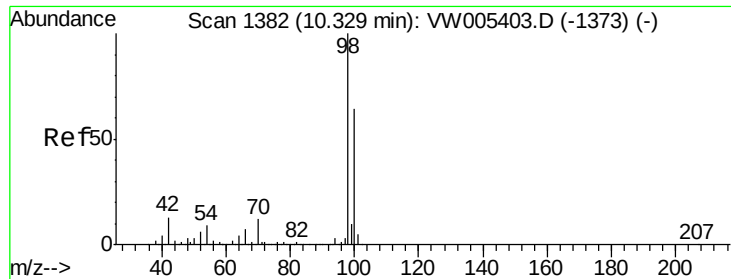
Tgt Ion: 75 Resp: 5860
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.8 50.4#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.752 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005413.D
 Acq: 15 Sep 2018 05:11

Tgt Ion: 117 Resp: 7001
 Ion Ratio Lower Upper
 117 100
 119 7.0 76.8 115.2#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 38.196 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005413.D

Acq: 15 Sep 2018 05:11

Instrument :

MSVOA_W

ClientSampleId :

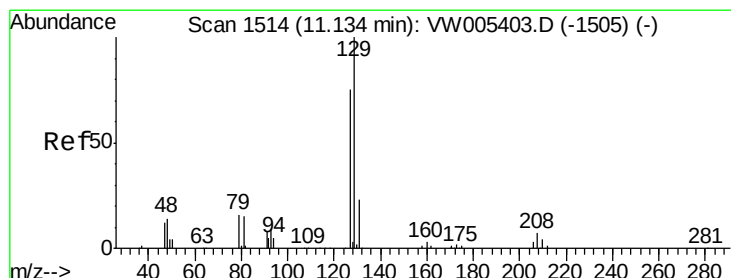
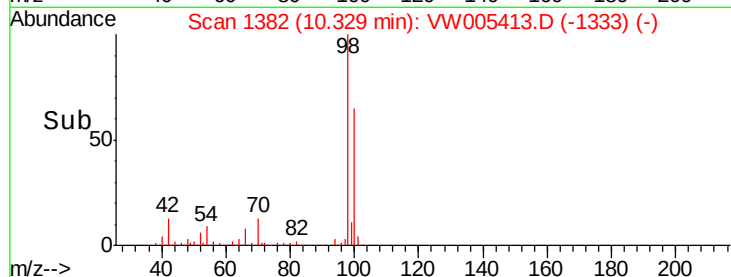
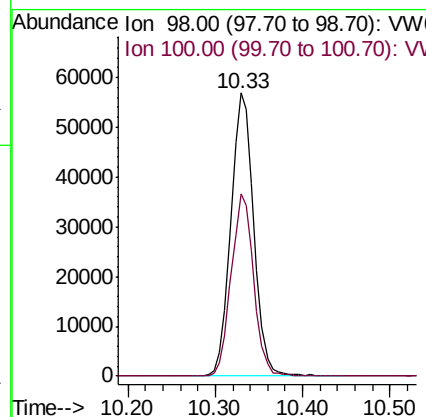
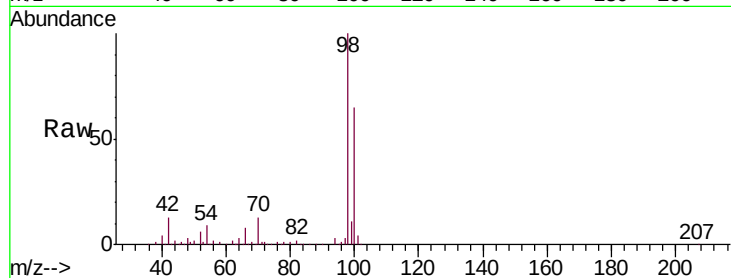
SP-PIT-8

Tgt Ion: 98 Resp: 103122

Ion Ratio Lower Upper

98 100

100 63.5 51.4 77.0



#60

Dibromochloromethane

Concen: 4.826 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW005413.D

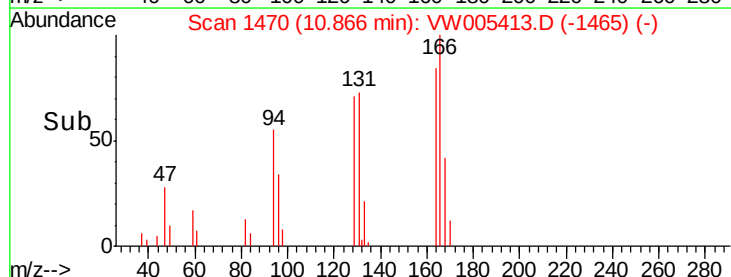
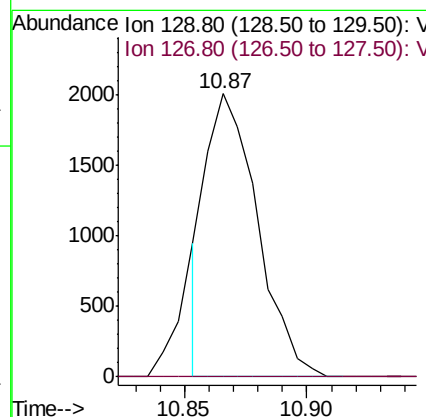
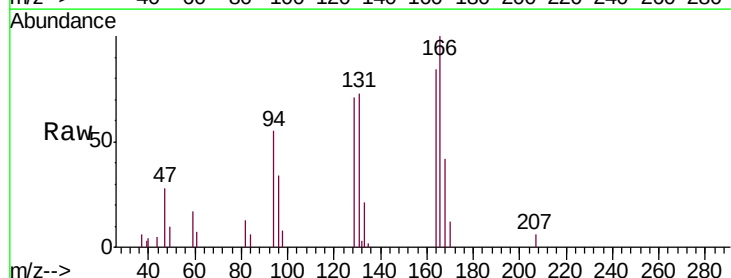
Acq: 15 Sep 2018 05:11

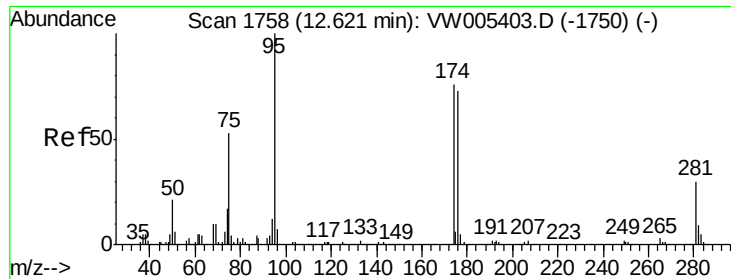
Tgt Ion: 129 Resp: 2924

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#

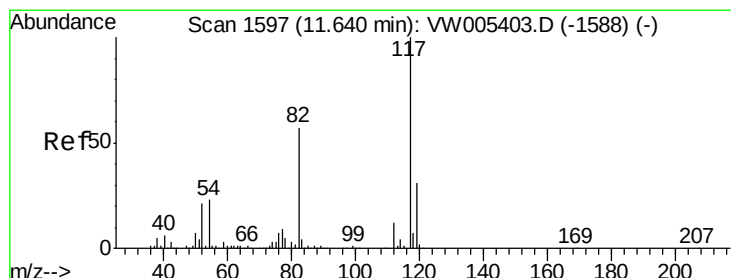
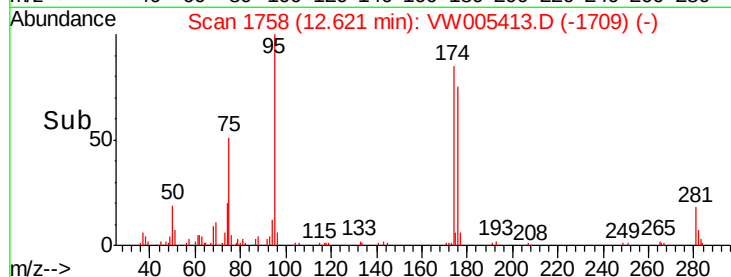
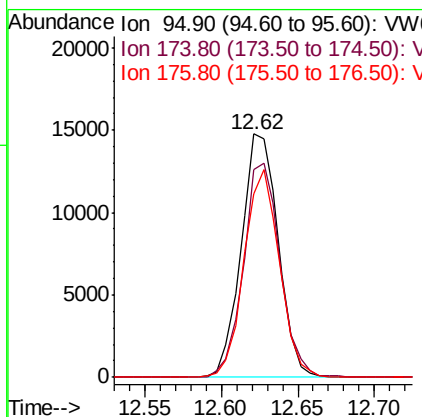
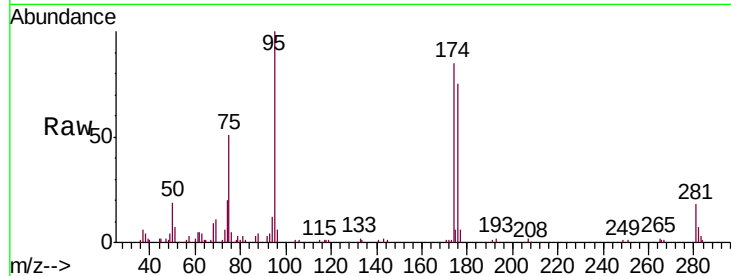




#62
4-Bromofluorobenzene
Concen: 24.990 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005413.D
Acq: 15 Sep 2018 05:11

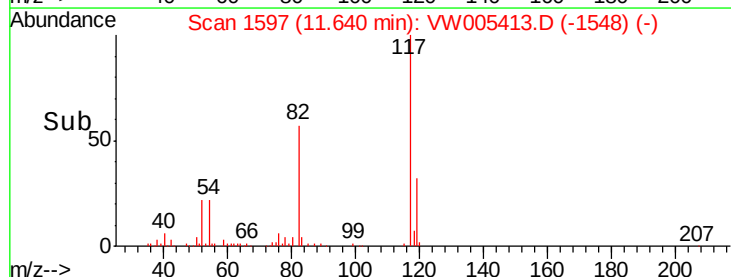
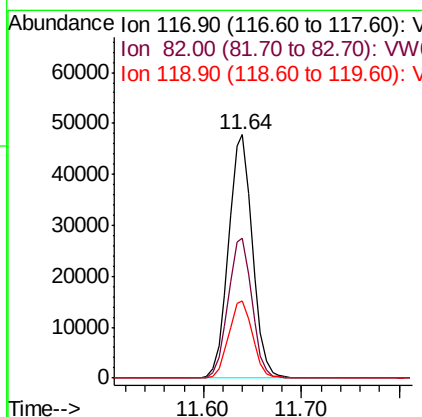
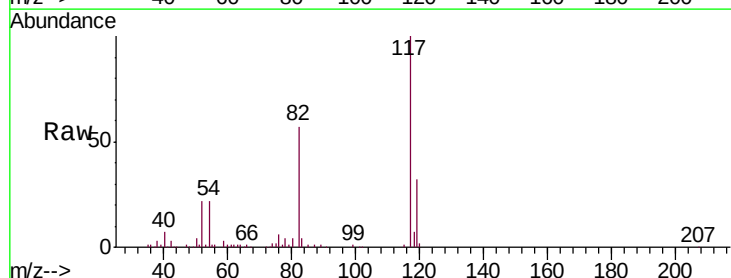
Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-8

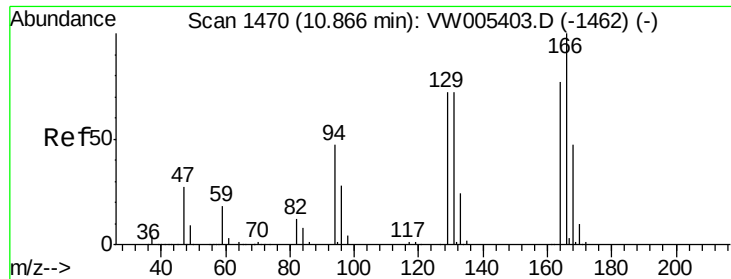
Tgt Ion: 95 Resp: 24739
Ion Ratio Lower Upper
95 100
174 86.9 0.0 161.2
176 82.0 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005413.D
Acq: 15 Sep 2018 05:11

Tgt Ion: 117 Resp: 80665
Ion Ratio Lower Upper
117 100
82 57.4 45.9 68.9
119 31.8 24.8 37.2





#64

Tetrachloroethene

Concen: 6.871 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW005413.D

Acq: 15 Sep 2018 05:11

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-8

Tgt Ion:164 Resp: 4096

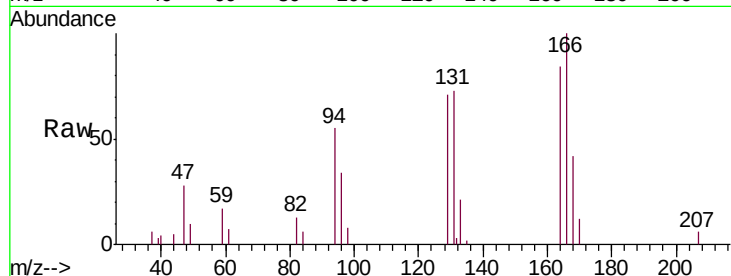
Ion Ratio Lower Upper

164 100

166 118.8 104.0 156.0

129 84.3 74.9 112.3

131 87.2 75.3 112.9



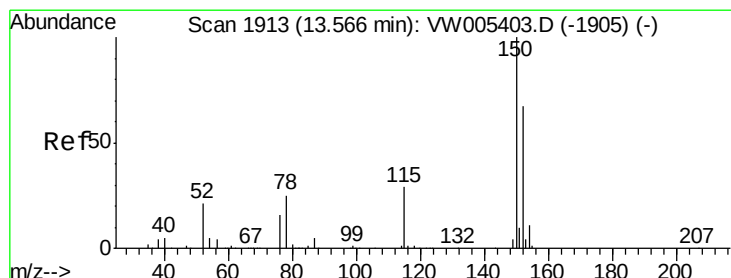
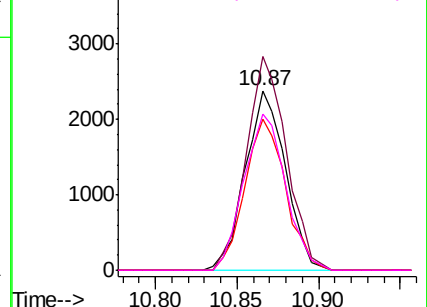
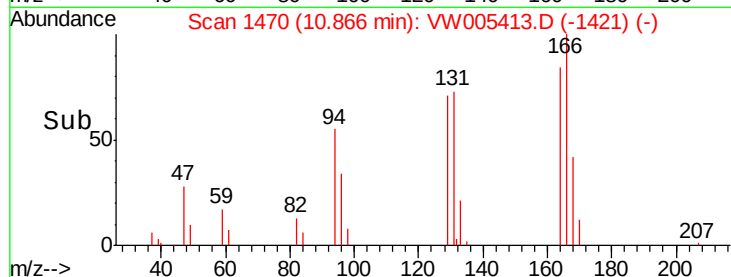
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005413.D

Acq: 15 Sep 2018 05:11

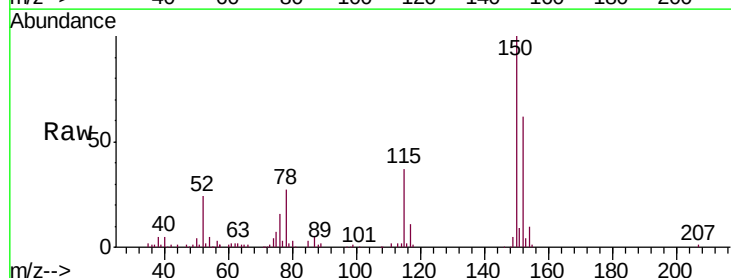
Tgt Ion:152 Resp: 24245

Ion Ratio Lower Upper

152 100

115 57.6 29.5 88.5

150 157.8 0.0 345.6

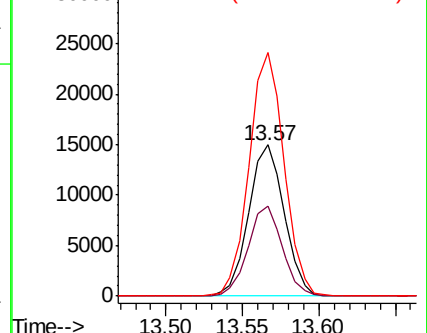
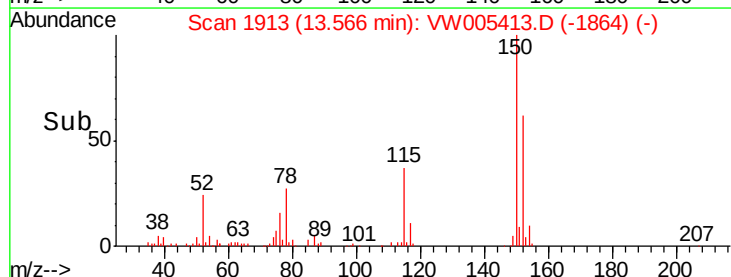


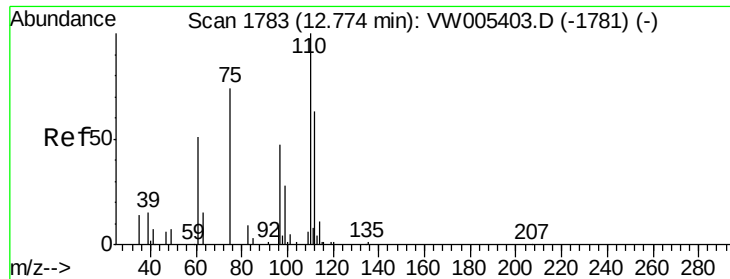
Abundance

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

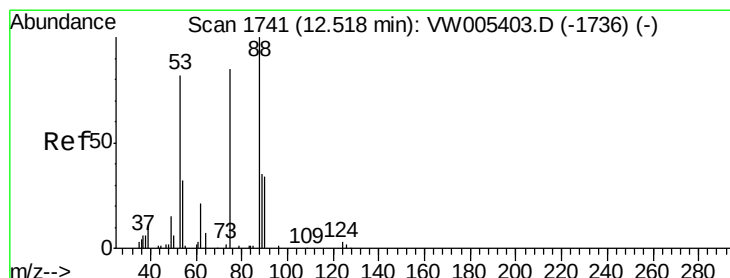
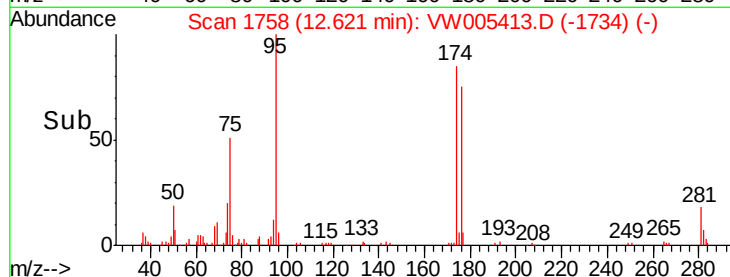
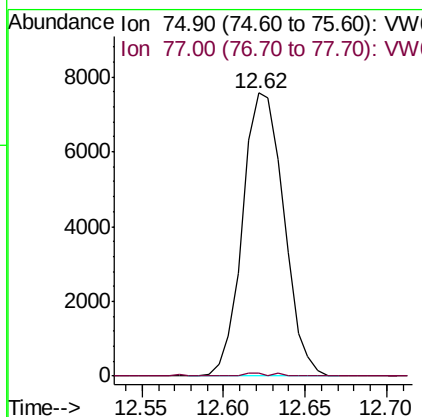
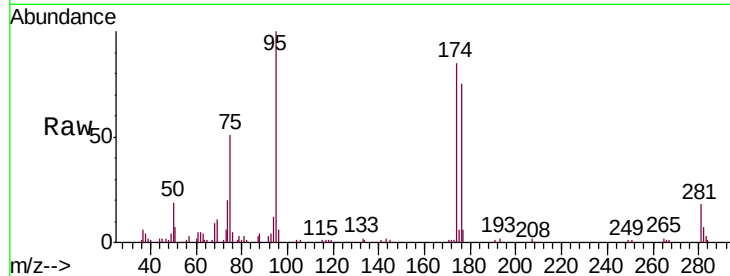




#76
 1,2,3-Trichloropropane
 Concen: 66.827 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005413.D
 Acq: 15 Sep 2018 05:11

Instrument :
 MSVOA_W
 ClientSampled :
 SP-PIT-8

Tgt Ion: 75 Resp: 13326
 Ion Ratio Lower Upper
 75 100
 77 0.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 173.354 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005413.D
 Acq: 15 Sep 2018 05:11

Tgt Ion: 75 Resp: 13326
 Ion Ratio Lower Upper
 75 100
 53 0.1 83.2 124.8#
 89 0.0 36.6 54.8#

