

Data File : VW005412.D
Acq On : 15 Sep 2018 04:46
Operator : SY/AP
Sample : J4906-09
Misc : 5.95G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-7

Quant Time: Sep 15 06:17:34 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	186102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	287349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	269544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	115732	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	90013	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	7.89	113	67432	41.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.70%	
50) Toluene-d8	10.33	98	277883	37.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.32%	
62) 4-Bromofluorobenzene	12.63	95	95196	35.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.38%	

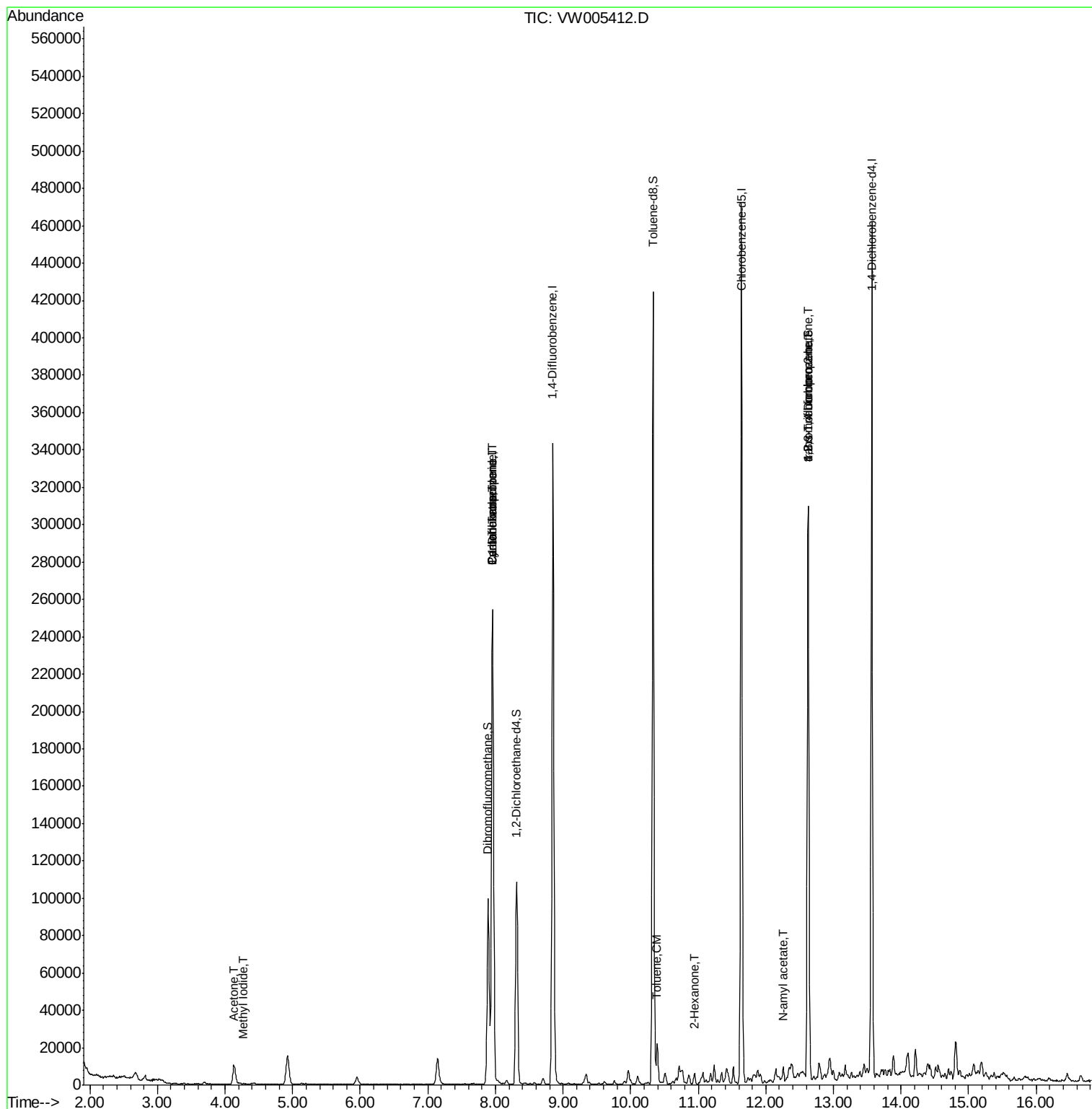
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	175	Below Cal	#	42
5) Bromomethane	2.78	94	339	Below Cal		86
10) Methyl Iodide	4.26	142	541	4.297 ug/l	#	65
11) Tert butyl alcohol	5.20	59	248	Below Cal	#	71
16) Acetone	4.14	43	18843	53.681 ug/l		93
31) Cyclohexane	7.96	56	4661	1.512 ug/l	#	16
36) 1,1-Dichloropropene	7.96	75	14383	5.289 ug/l	#	52
38) Carbon Tetrachloride	7.96	117	18997	6.704 ug/l	#	17
52) Toluene	10.40	92	8187	1.535 ug/l		99
59) 2-Hexanone	10.94	43	2232	2.949 ug/l	#	27
74) N-amyl acetate	12.26	43	1786	1.044 ug/l	#	60
76) 1,2,3-Trichloropropane	12.63	75	50482	53.035 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.63	75	50482	137.575 ug/l	#	8

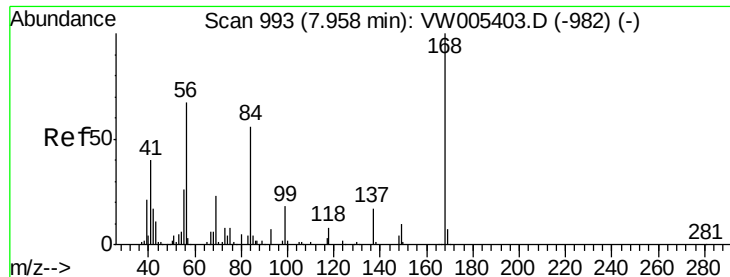
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

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MSVOA_W

ClientSampleId :

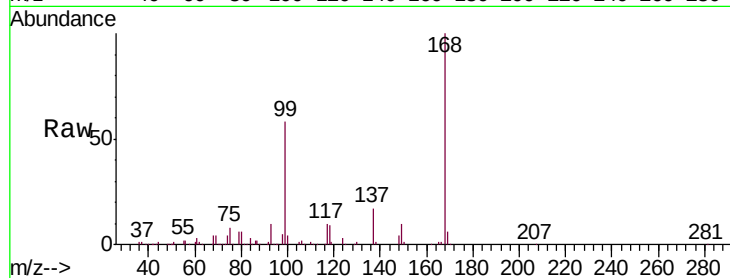
SP-PIT-7

Tgt Ion:168 Resp: 186102

Ion Ratio Lower Upper

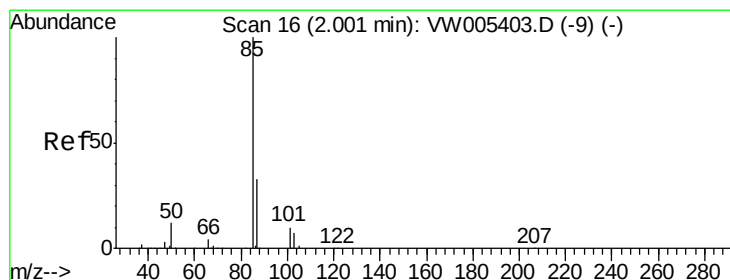
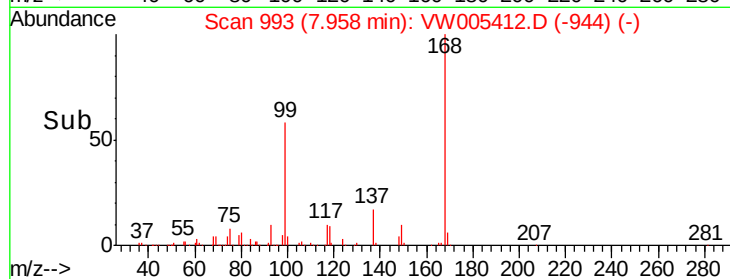
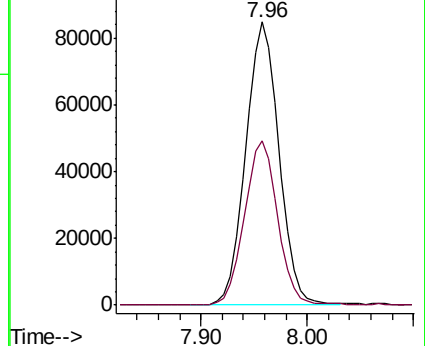
168 100

99 57.9 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: VW005412.D

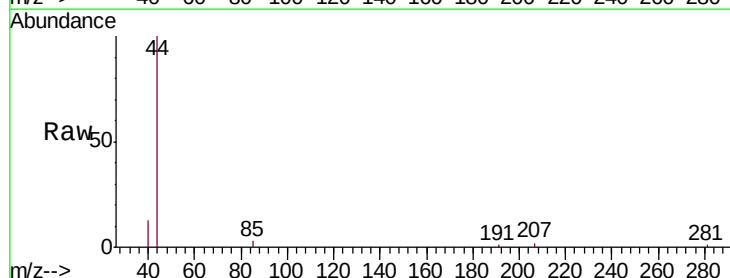
Acq: 15 Sep 2018 04:46

Tgt Ion: 85 Resp: 175

Ion Ratio Lower Upper

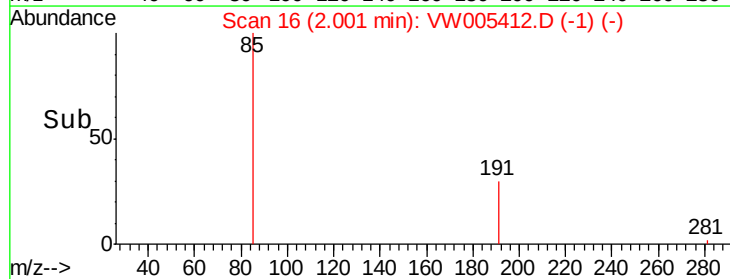
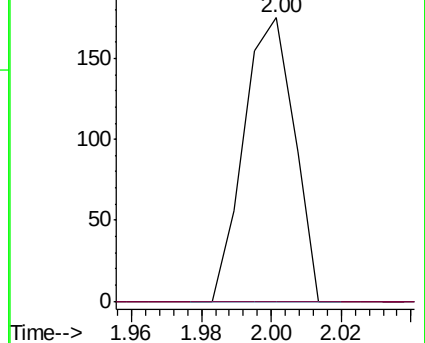
85 100

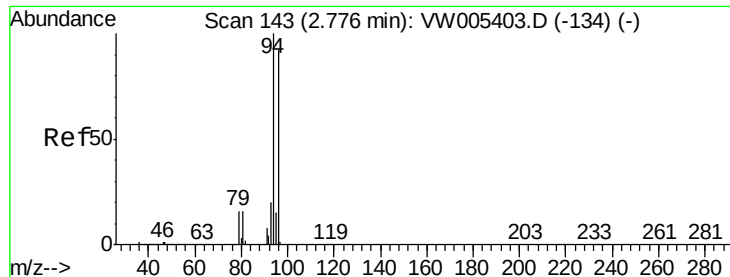
87 0.0 16.4 49.1#



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: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW005412.D

Acq: 15 Sep 2018 04:46

Instrument :

MSVOA_W

ClientSampled :

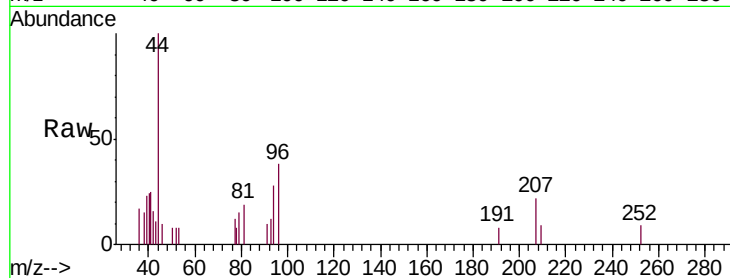
SP-PIT-7

Tgt Ion: 94 Resp: 339

Ion Ratio Lower Upper

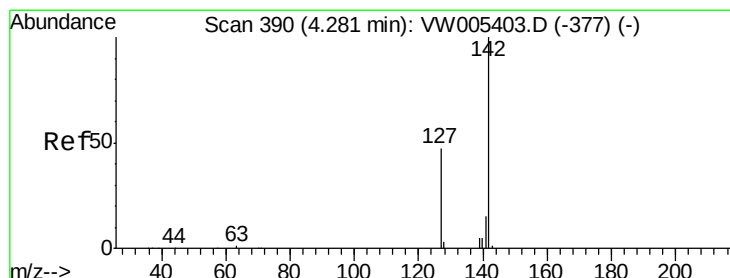
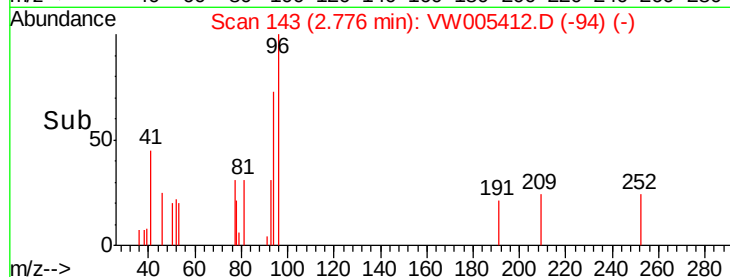
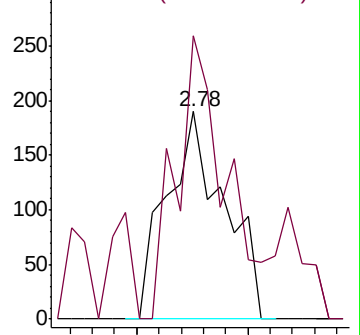
94 100

96 105.8 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: 4.297 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.02 min

Lab File: VW005412.D

Acq: 15 Sep 2018 04:46

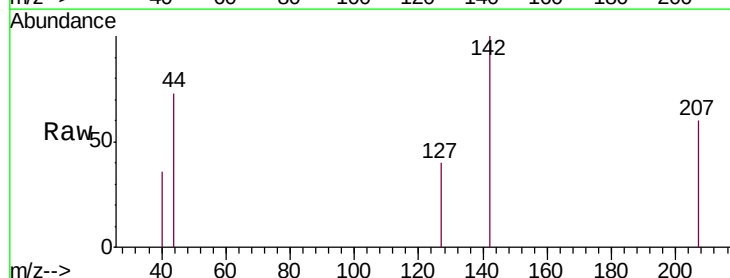
Tgt Ion: 142 Resp: 541

Ion Ratio Lower Upper

142 100

127 23.7 37.5 56.3#

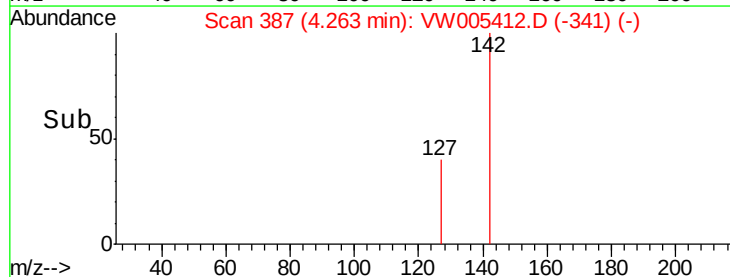
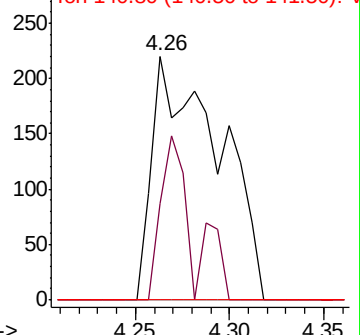
141 0.0 12.4 18.6#

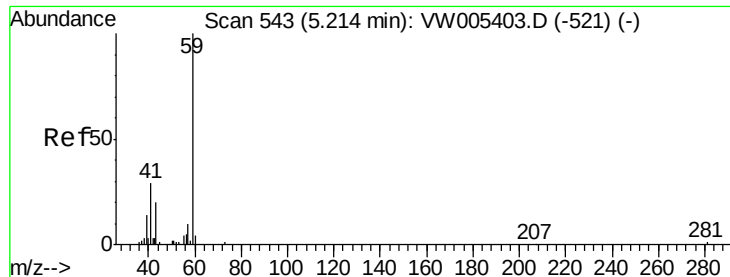


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

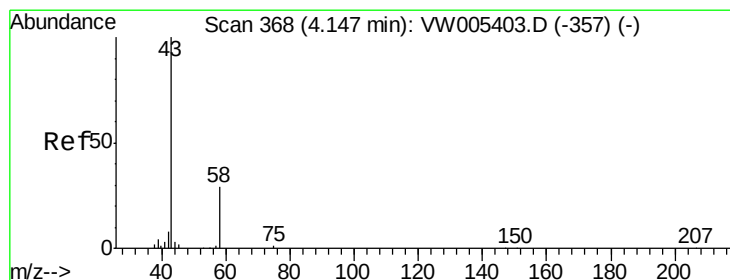
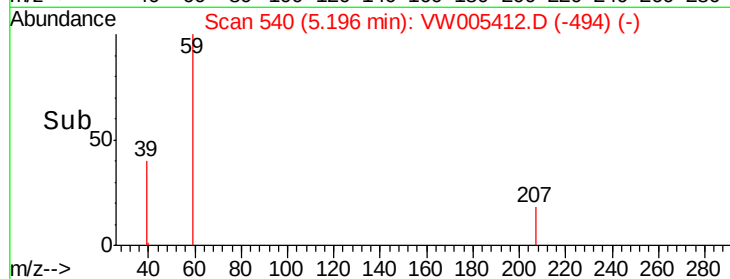
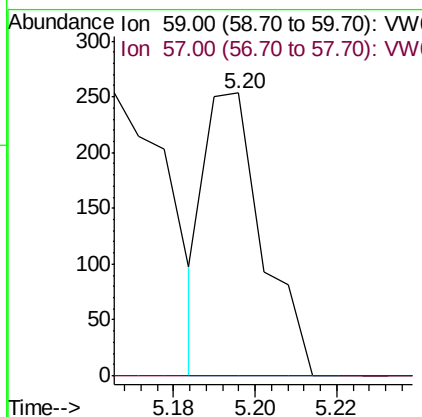
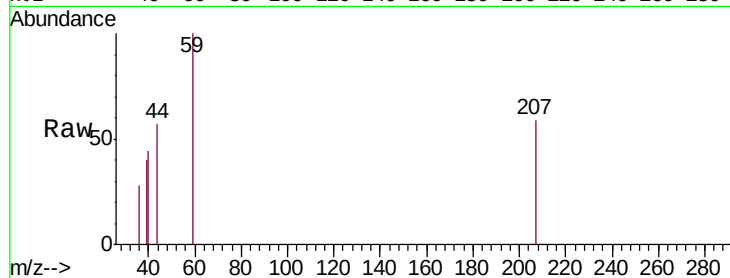




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 540
Delta R.T. -0.02 min
Lab File: VW005412.D
Acq: 15 Sep 2018 04:46

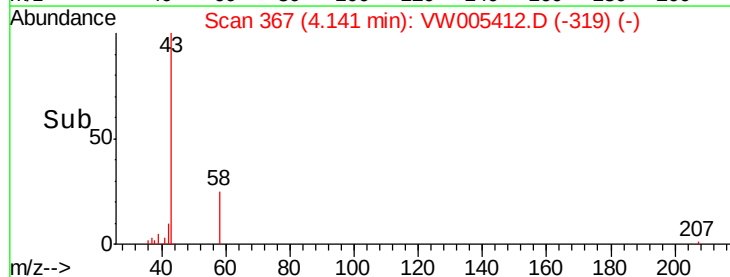
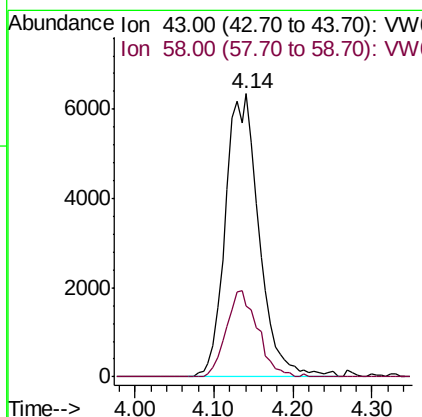
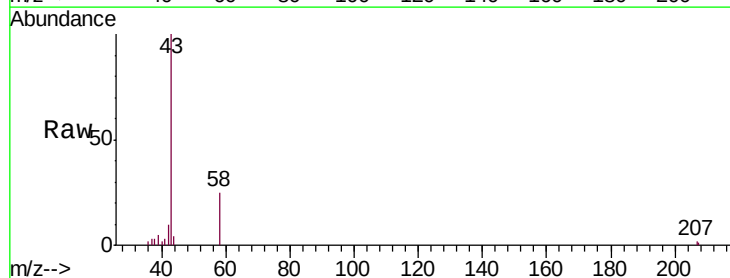
Instrument :
MSVOA_W
ClientSampled :
SP-PIT-7

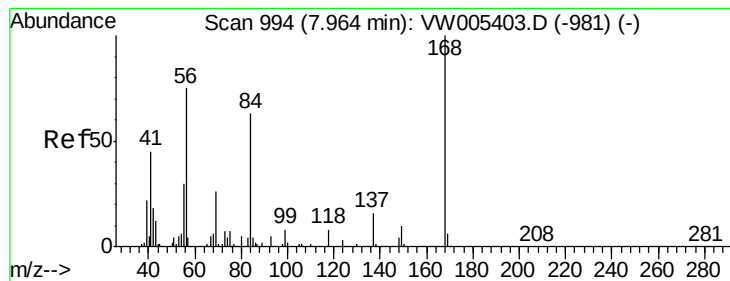
Tgt Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: 53.681 ug/l
RT: 4.14 min Scan# 367
Delta R.T. -0.01 min
Lab File: VW005412.D
Acq: 15 Sep 2018 04:46

Tgt Ion: 43 Resp: 18843
Ion Ratio Lower Upper
43 100
58 25.1 22.8 34.2





#31

Cyclohexane

Concen: 1.512 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005412.D

Acq: 15 Sep 2018 04:46

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-7

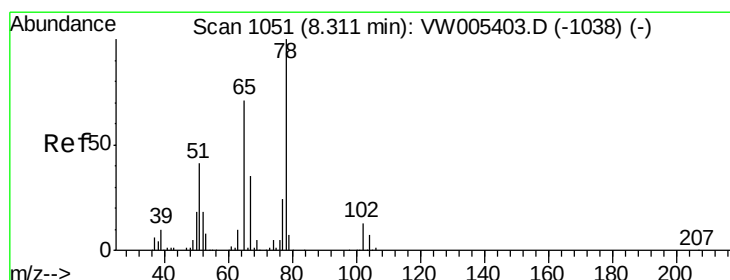
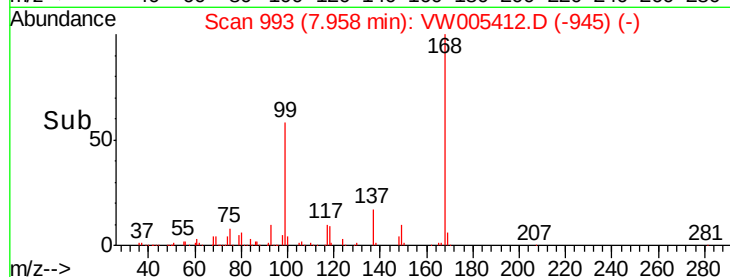
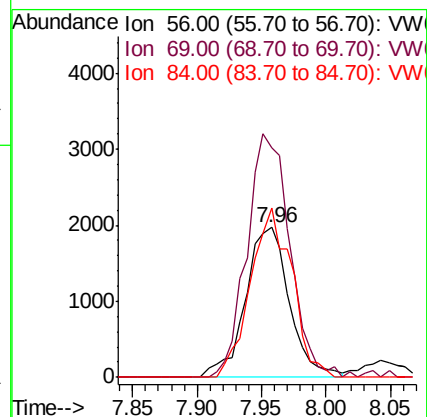
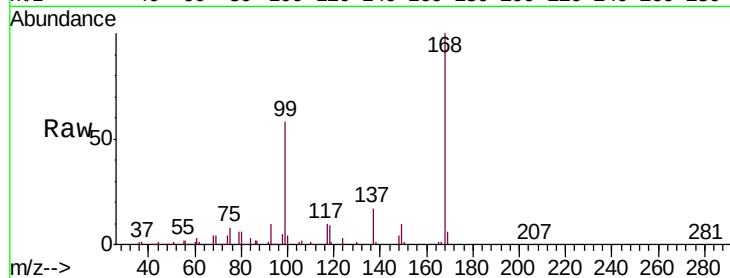
Tgt Ion: 56 Resp: 4661

Ion Ratio Lower Upper

56 100

69 153.5 27.2 40.8#

84 113.2 66.7 100.1#



#33

1,2-Dichloroethane-d4

Concen: 46.597 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005412.D

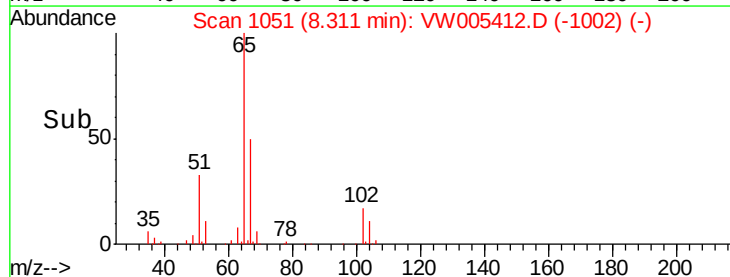
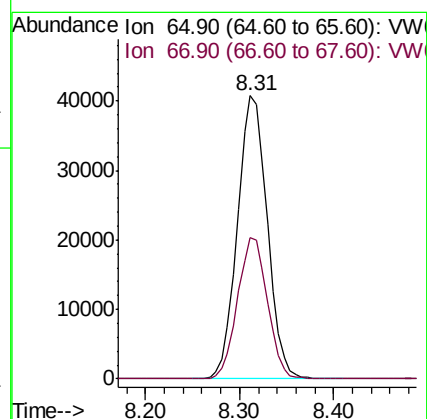
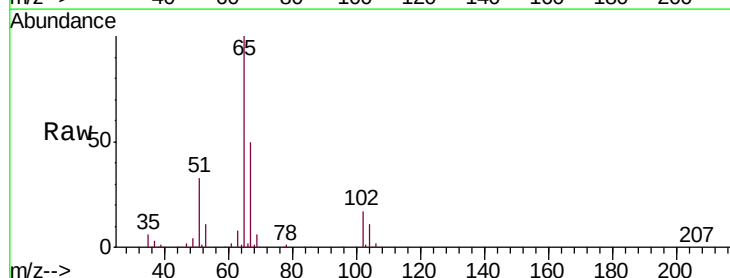
Acq: 15 Sep 2018 04:46

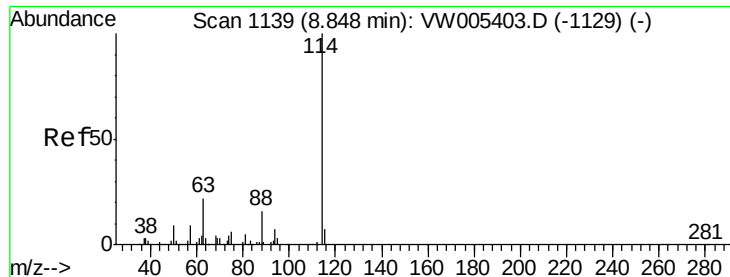
Tgt Ion: 65 Resp: 90013

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.6

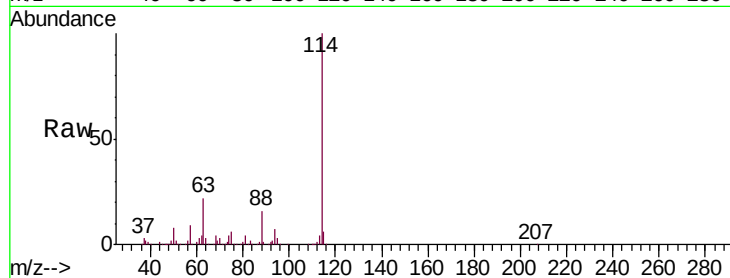




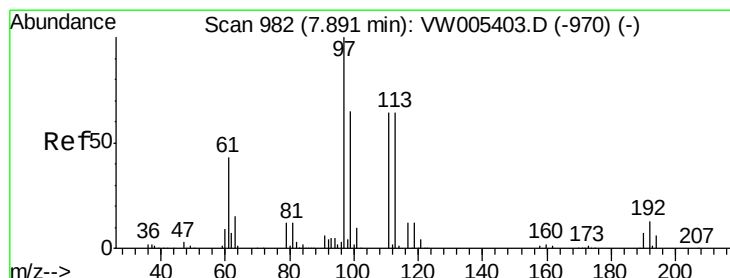
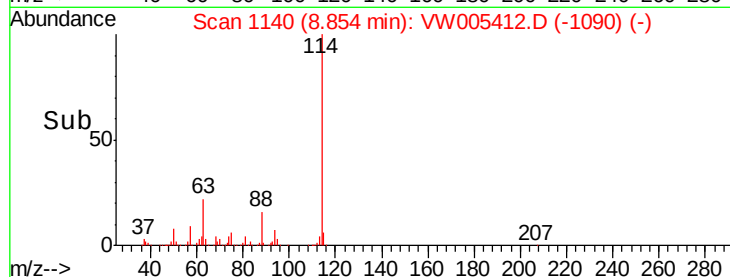
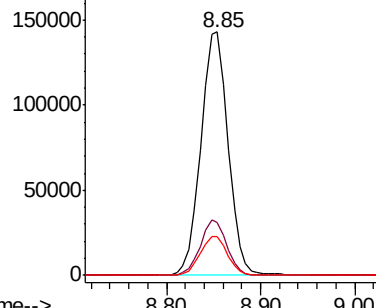
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005412.D
 Acq: 15 Sep 2018 04:46

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-PIT-7

Tgt Ion:114 Resp: 287349
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.4
 88 16.1 0.0 31.8

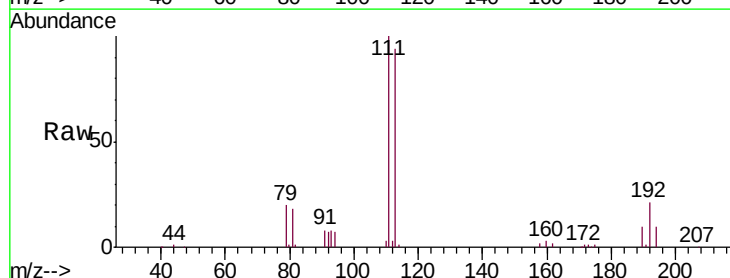


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

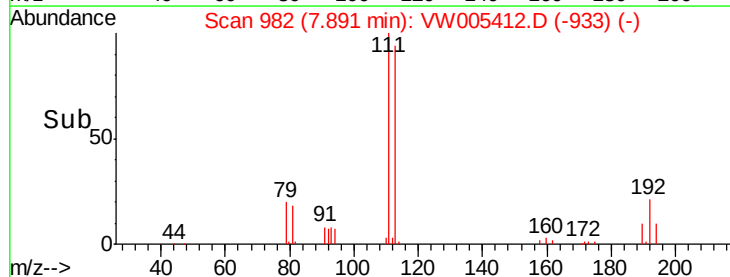
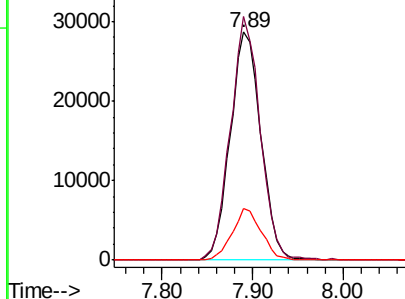


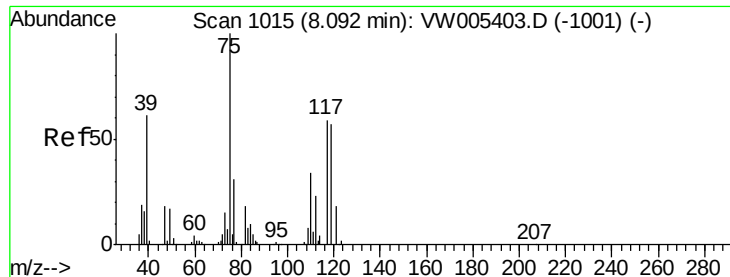
#35
 Dibromofluoromethane
 Concen: 41.854 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005412.D
 Acq: 15 Sep 2018 04:46

Tgt Ion:113 Resp: 67432
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.3 123.5
 192 21.3 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

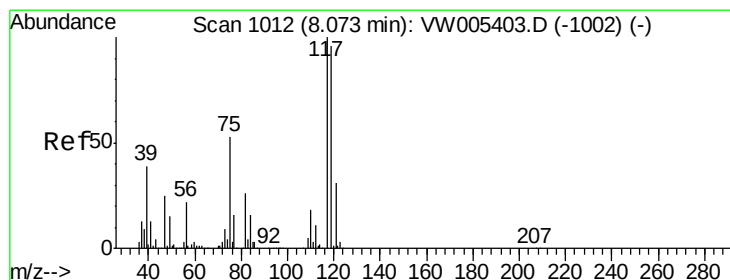
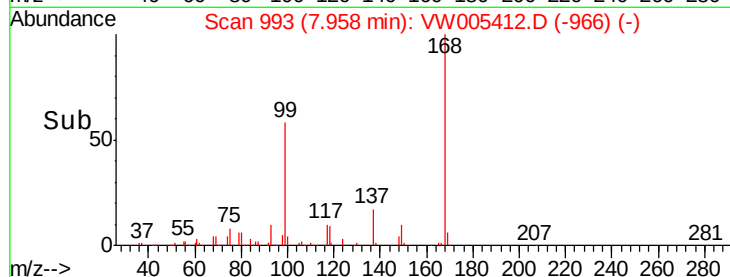
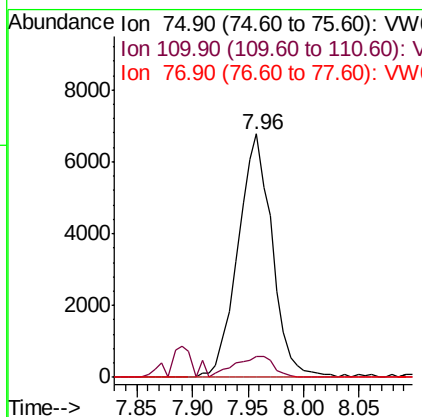
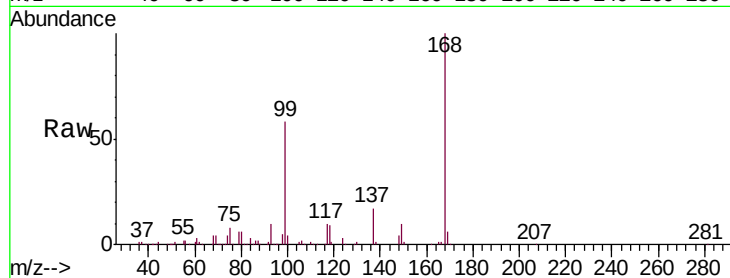




#36
 1,1-Dichloropropene
 Concen: 5.289 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005412.D
 Acq: 15 Sep 2018 04:46

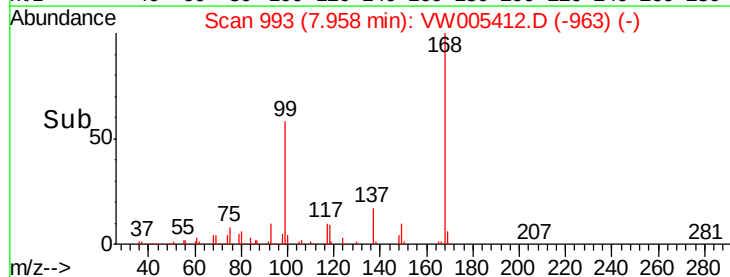
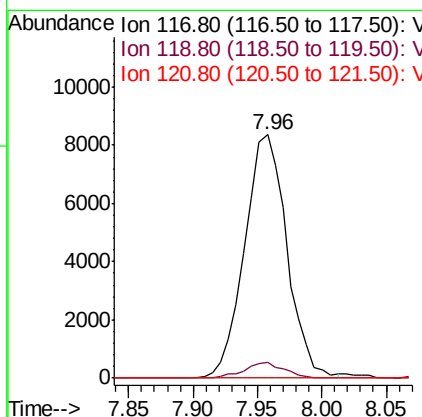
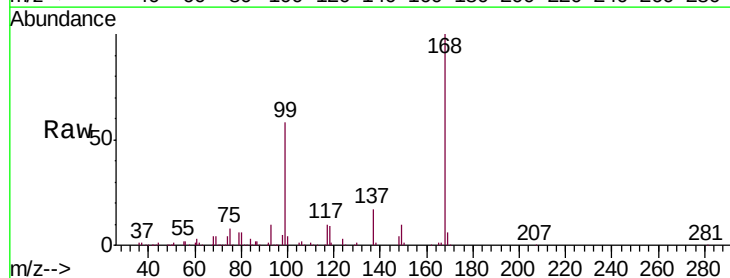
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-PIT-7

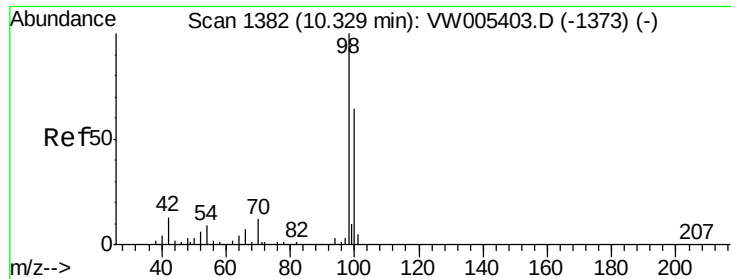
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.8	50.4#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.704 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005412.D
 Acq: 15 Sep 2018 04:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	76.8	115.2#
121	0.0	24.7	37.1#

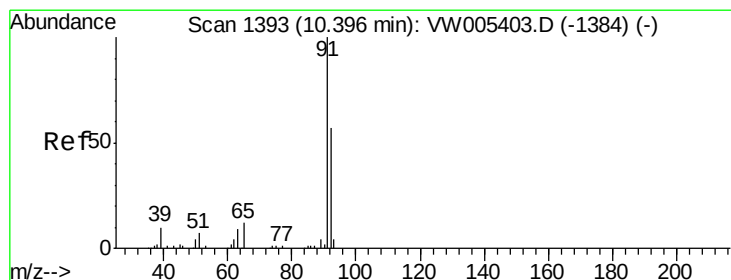
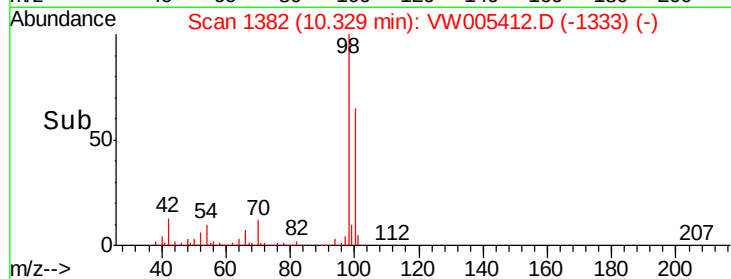
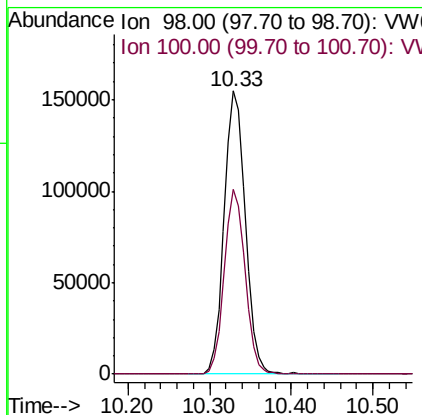
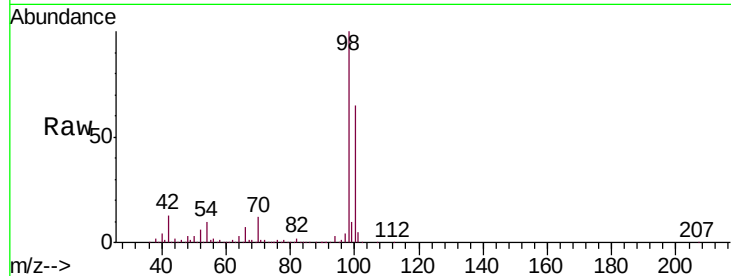




#50
Toluene-d8
Concen: 37.663 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005412.D
Acq: 15 Sep 2018 04:46

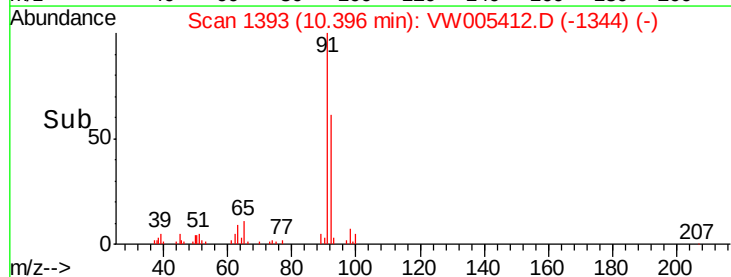
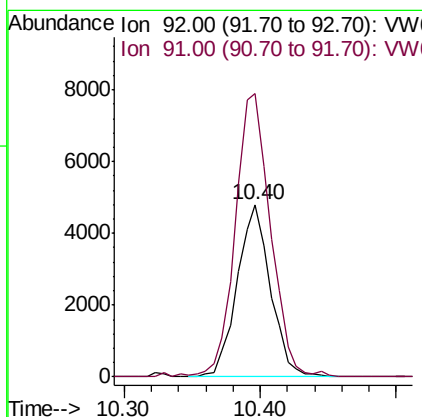
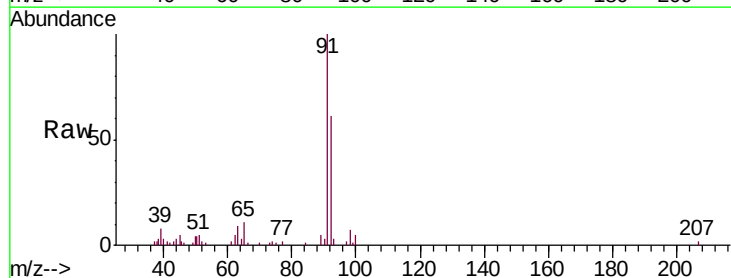
Instrument :
MSVOA_W
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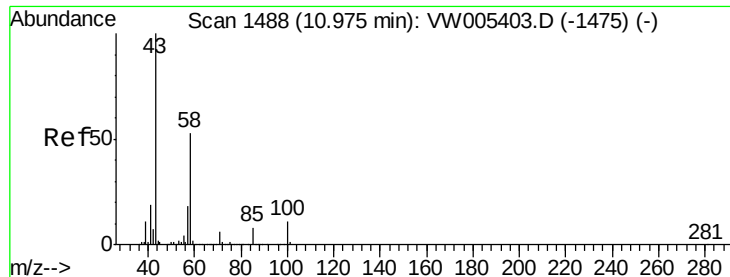
Tgt Ion: 98 Resp: 277883
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#52
Toluene
Concen: 1.535 ug/l
RT: 10.40 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VW005412.D
Acq: 15 Sep 2018 04:46

Tgt Ion: 92 Resp: 8187
Ion Ratio Lower Upper
92 100
91 174.7 139.1 208.7

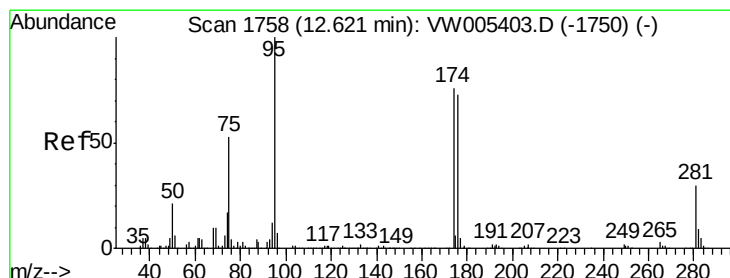
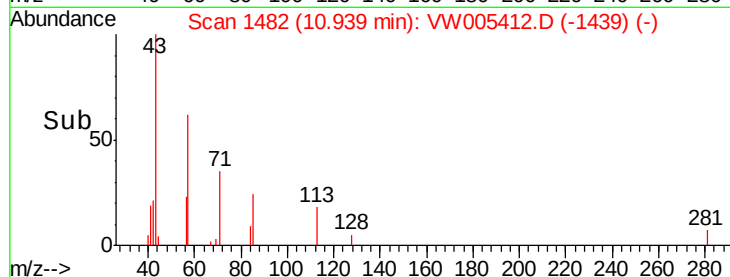
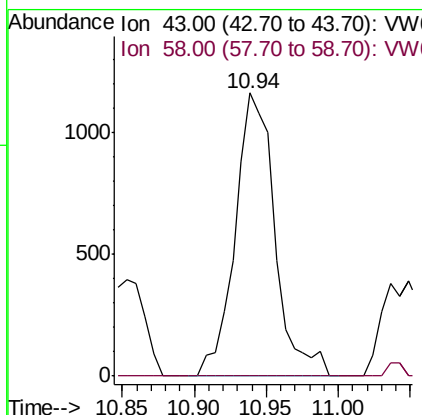
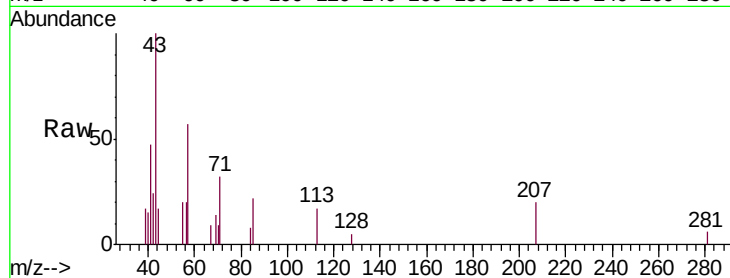




#59
2-Hexanone
Concen: 2.949 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.04 min
Lab File: VW005412.D
Acq: 15 Sep 2018 04:46

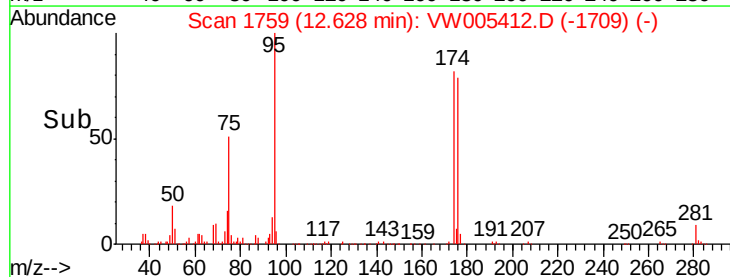
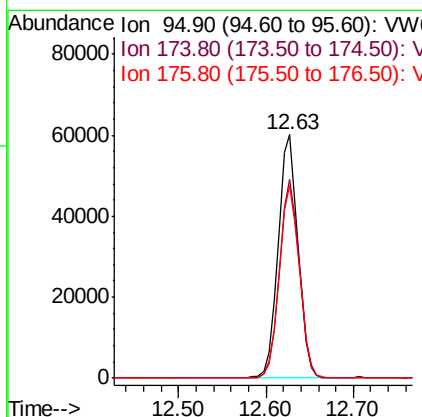
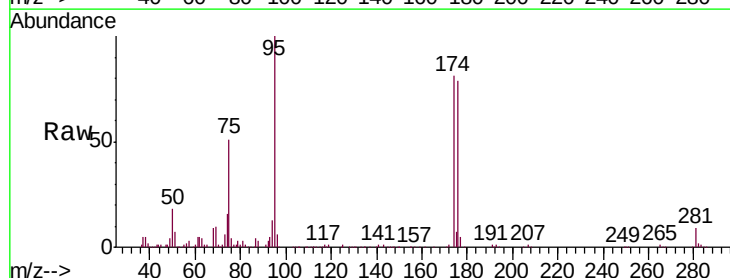
Instrument :
MSVOA_W
ClientSampled :
SP-PIT-7

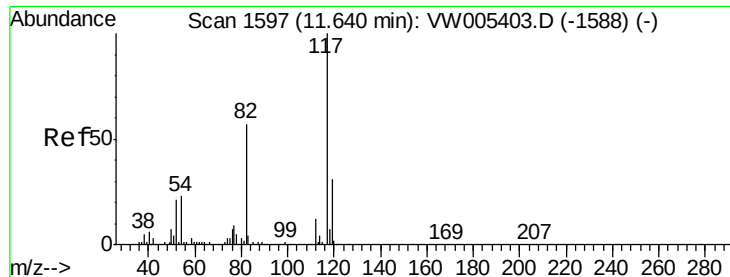
Tgt Ion: 43 Resp: 2232
Ion Ratio Lower Upper
43 100
58 0.0 25.5 76.5#



#62
4-Bromofluorobenzene
Concen: 35.188 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005412.D
Acq: 15 Sep 2018 04:46

Tgt Ion: 95 Resp: 95196
Ion Ratio Lower Upper
95 100
174 81.3 0.0 161.2
176 79.6 0.0 156.6

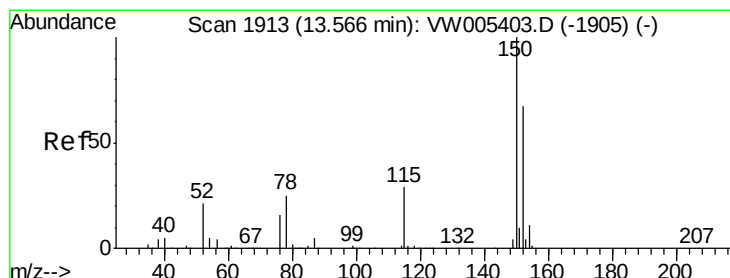
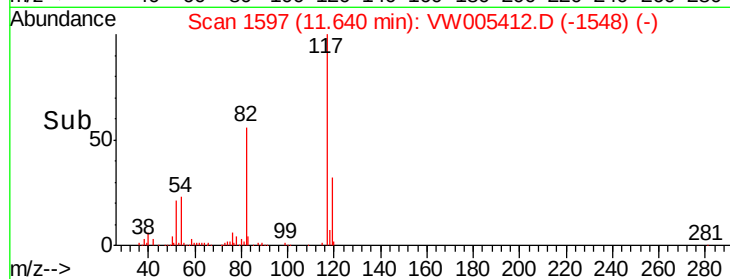
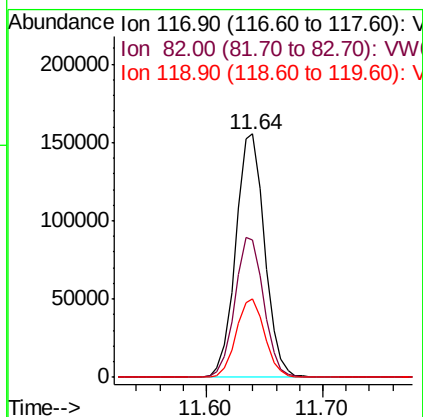
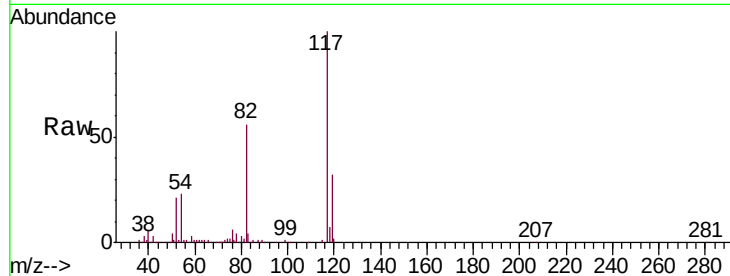




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005412.D
Acq: 15 Sep 2018 04:46

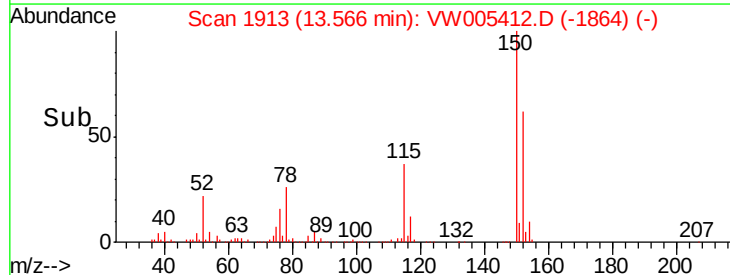
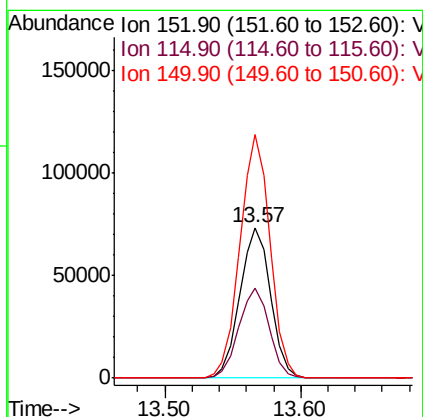
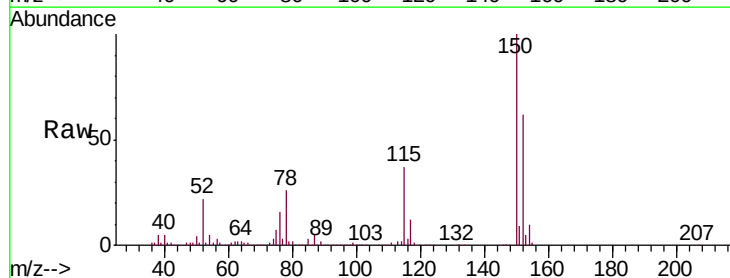
Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-7

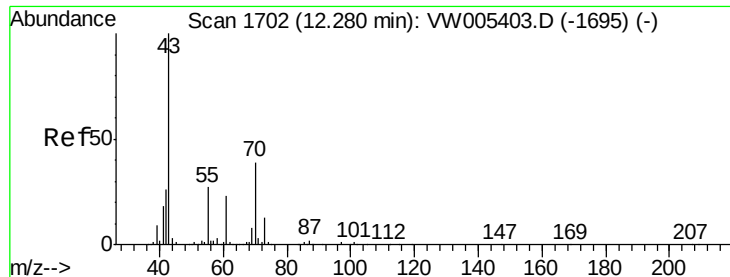
Tgt Ion:117 Resp: 269544
Ion Ratio Lower Upper
117 100
82 56.3 45.9 68.9
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005412.D
Acq: 15 Sep 2018 04:46

Tgt Ion:152 Resp: 115732
Ion Ratio Lower Upper
152 100
115 59.2 29.5 88.5
150 158.2 0.0 345.6





#74

N-amyI acetate

Concen: 1.044 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.02 min

Lab File: VW005412.D

Acq: 15 Sep 2018 04:46

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-7

Tgt Ion: 43 Resp: 1786

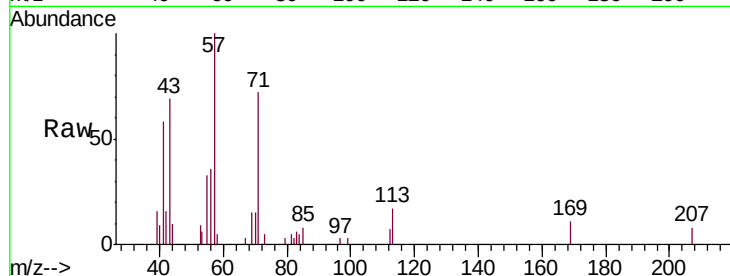
Ion Ratio Lower Upper

43 100

70 32.0 31.9 47.9

55 65.8 21.4 32.0#

61 0.0 18.3 27.5#

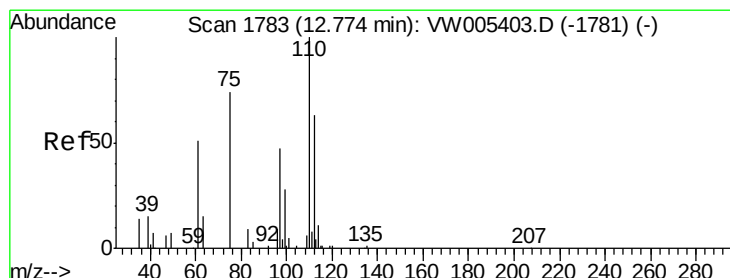
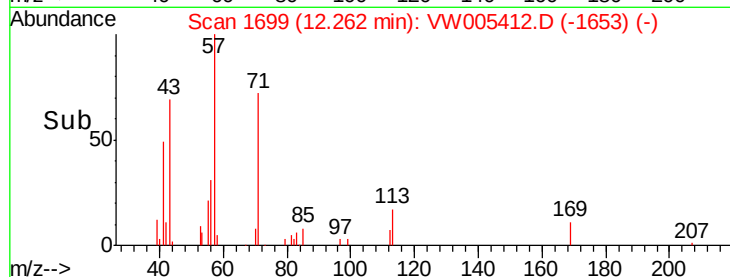
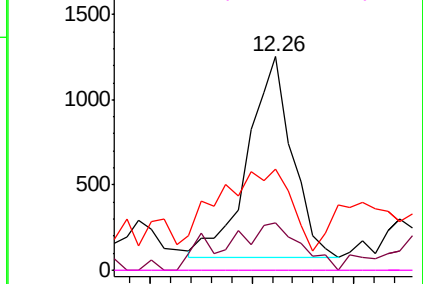


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 53.035 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005412.D

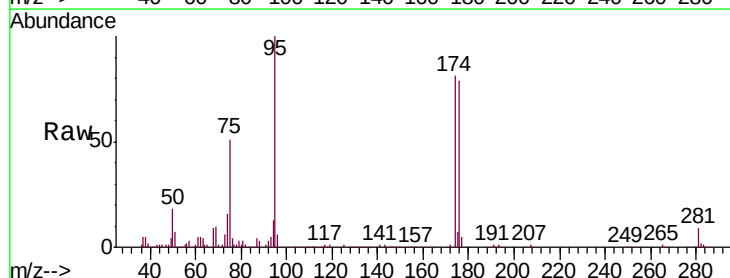
Acq: 15 Sep 2018 04:46

Tgt Ion: 75 Resp: 50482

Ion Ratio Lower Upper

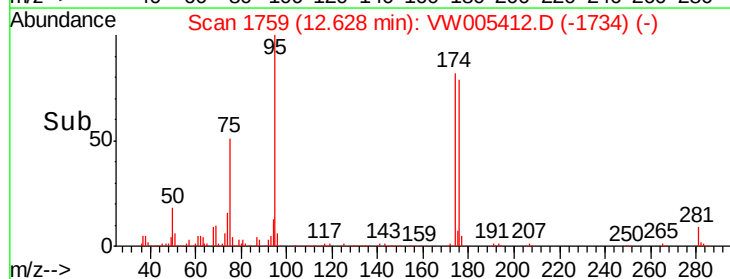
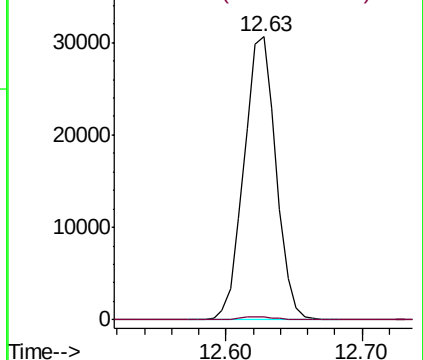
75 100

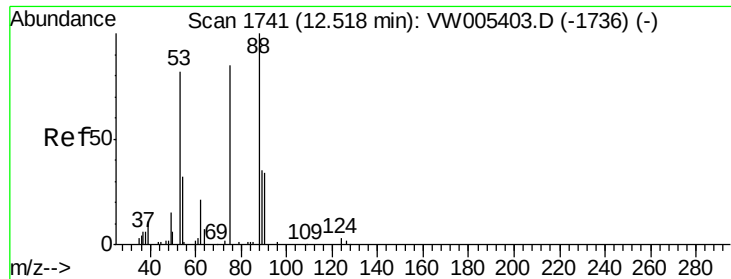
77 1.3 0.0 0.0#



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: 137.575 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005412.D

Acq: 15 Sep 2018 04:46

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-7

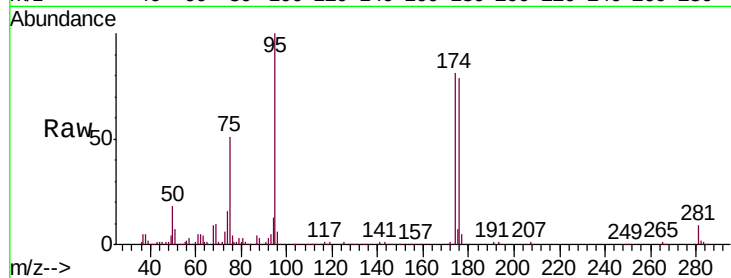
Tgt Ion: 75 Resp: 50482

Ion Ratio Lower Upper

75 100

53 0.4 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

