

Data File : VW008807.D
Acq On : 25 Feb 2019 15:24
Operator : SY/VA
Sample : K1596-09
Misc : 5.76G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VOC-15

Quant Time: Feb 26 03:43:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	353023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	545467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	432842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	139819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	188911	57.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.10%	
35) Dibromofluoromethane	7.88	113	156208	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
50) Toluene-d8	10.32	98	625722	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.62	95	174296	35.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.42%	

Target Compounds

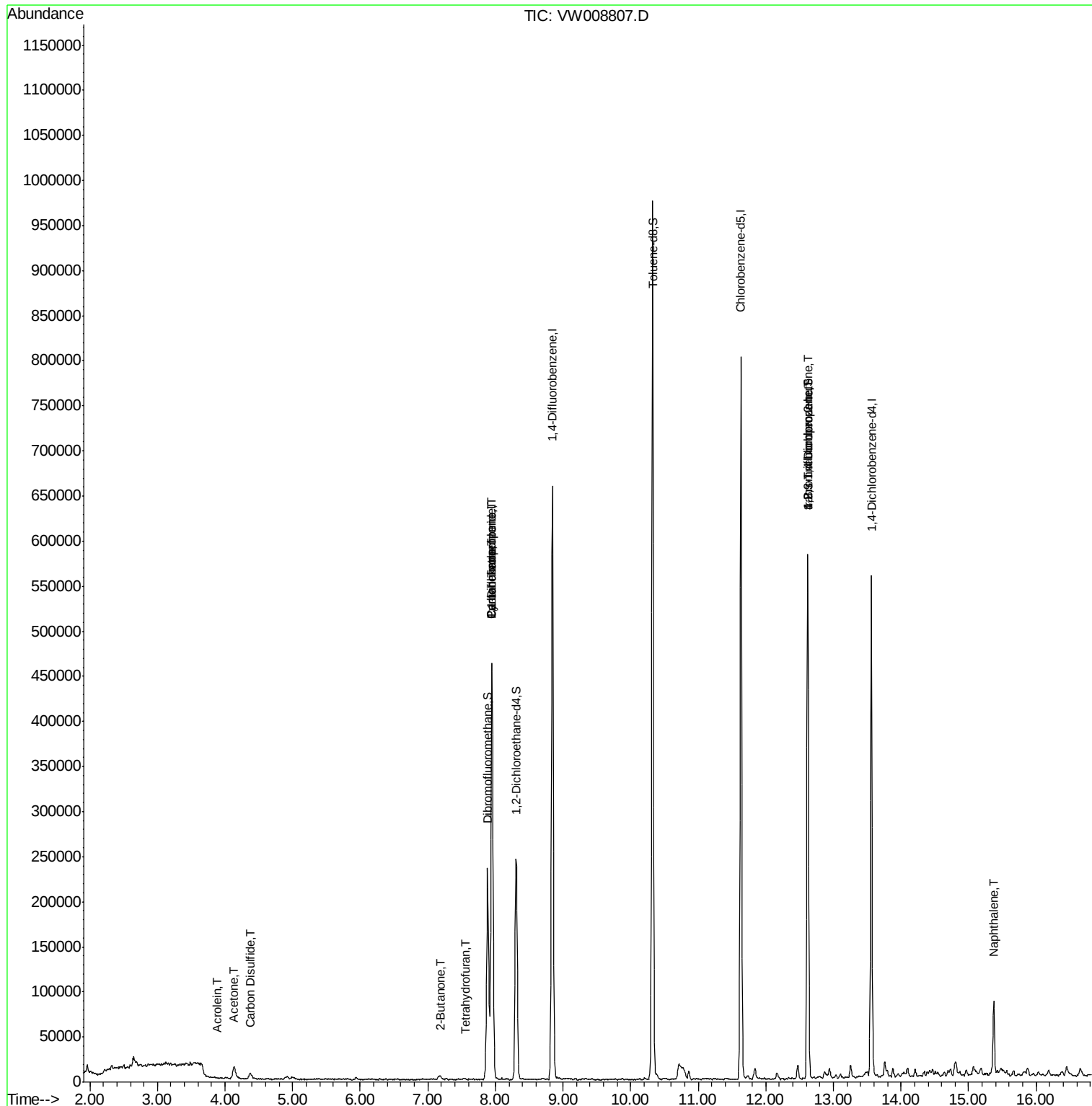
						Qvalue
13) Acrolein	3.88	56	189	20.340	ug/l	89
16) Acetone	4.13	43	24225	31.565	ug/l	92
17) Carbon Disulfide	4.37	76	13198	1.287	ug/l	98
20) Methylene Chloride	4.92	84	1611	Below Cal	#	77
25) 2-Butanone	7.18	43	5115	4.767	ug/l	98
29) Tetrahydrofuran	7.56	42	1081	1.581	ug/l #	78
31) Cyclohexane	7.95	56	7498	1.201	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	26283	4.950	ug/l #	51
38) Carbon Tetrachloride	7.95	117	33288	5.945	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	90790	78.647	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90790	191.198	ug/l #	6
95) Naphthalene	15.37	128	67499	13.140	ug/l	99

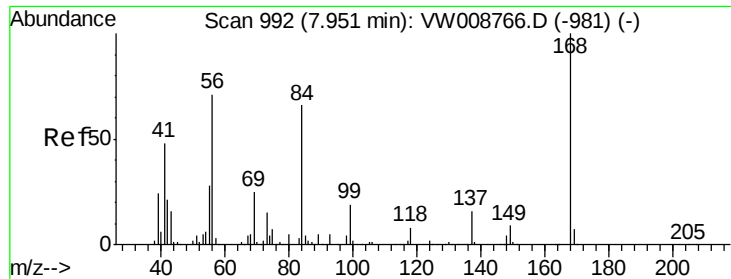
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008807.D

Acq: 25 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampled :

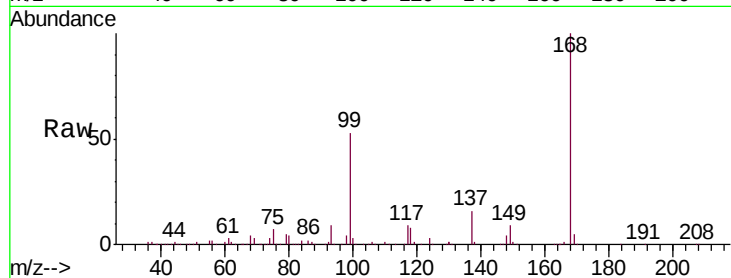
VOC-15

Tgt Ion:168 Resp: 353023

Ion Ratio Lower Upper

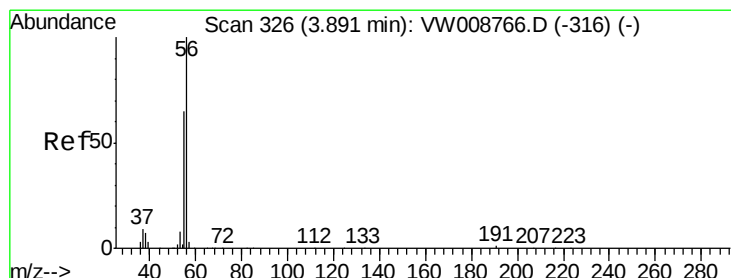
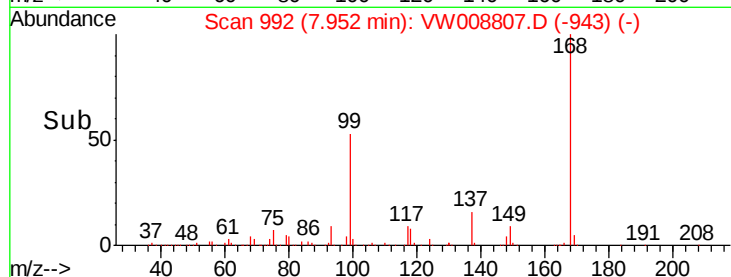
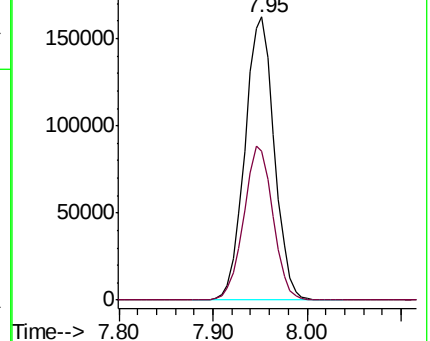
168 100

99 52.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 20.340 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008807.D

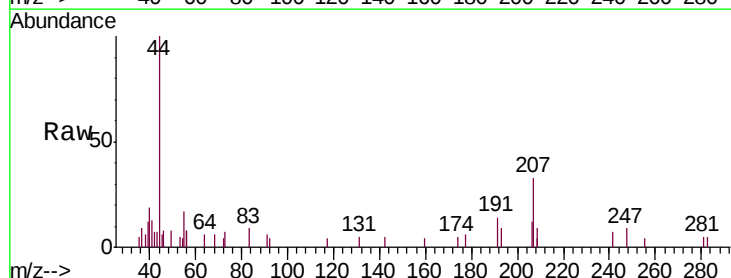
Acq: 25 Feb 2019 15:24

Tgt Ion: 56 Resp: 189

Ion Ratio Lower Upper

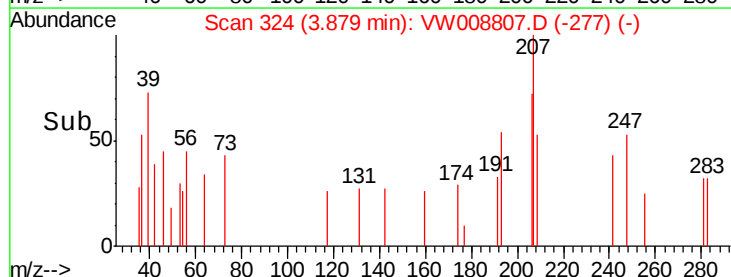
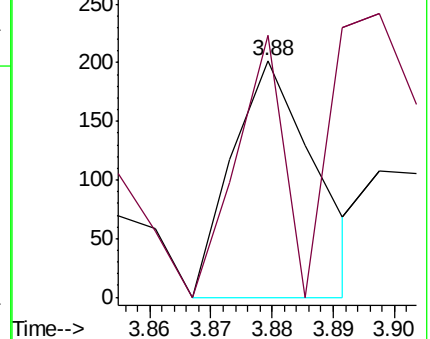
56 100

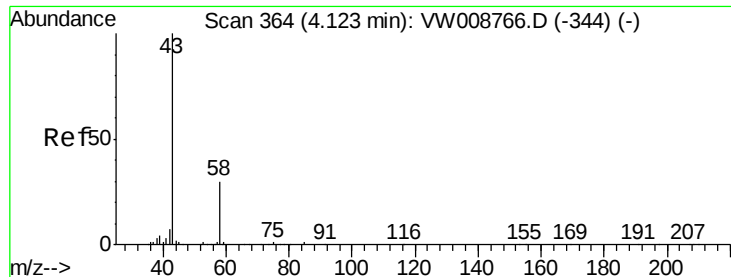
55 61.9 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 31.565 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008807.D

Acq: 25 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

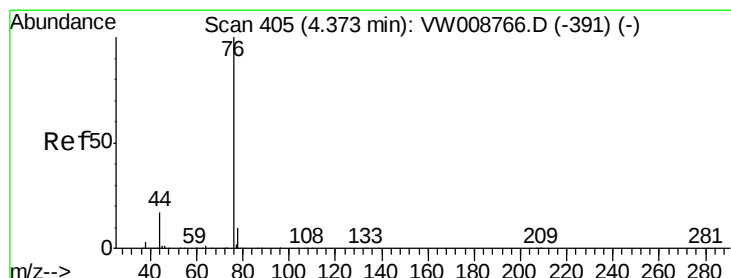
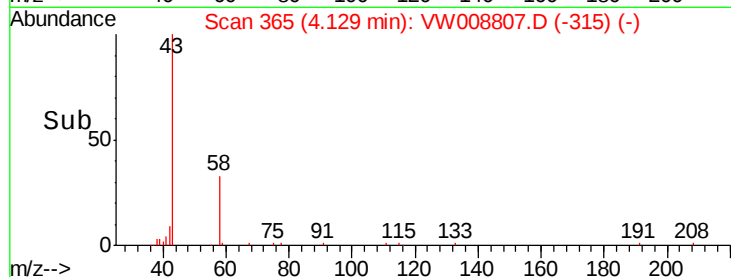
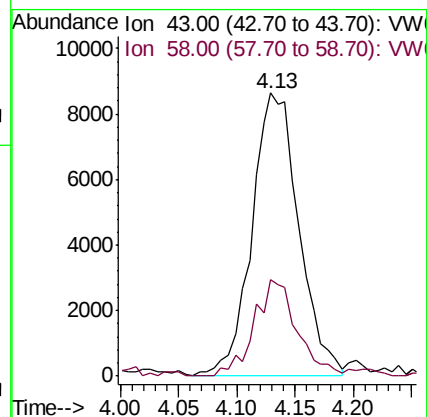
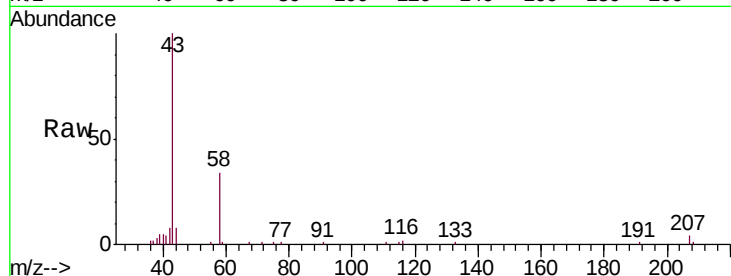
VOC-15

Tgt Ion: 43 Resp: 24225

Ion Ratio Lower Upper

43 100

58 33.9 23.8 35.6



#17

Carbon Disulfide

Concen: 1.287 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008807.D

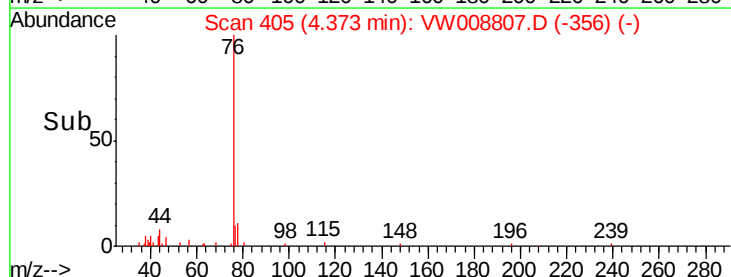
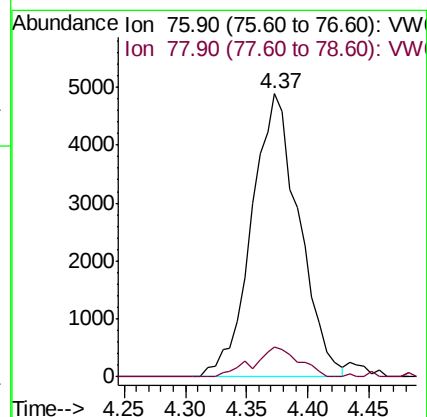
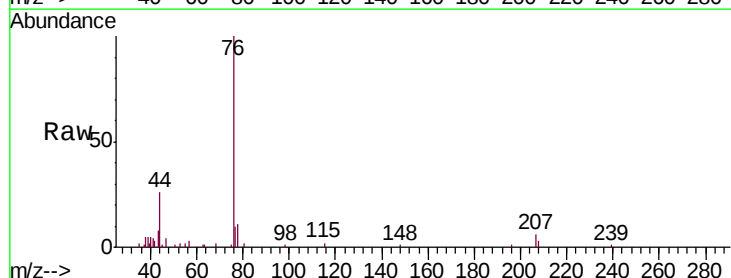
Acq: 25 Feb 2019 15:24

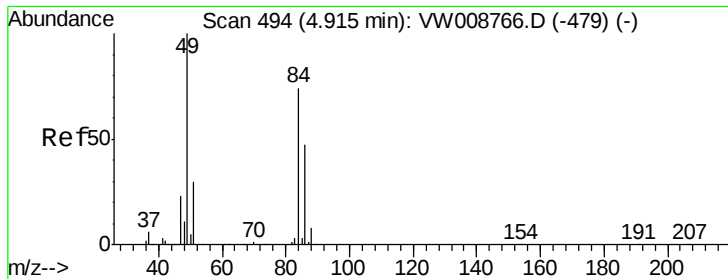
Tgt Ion: 76 Resp: 13198

Ion Ratio Lower Upper

76 100

78 10.7 7.8 11.8

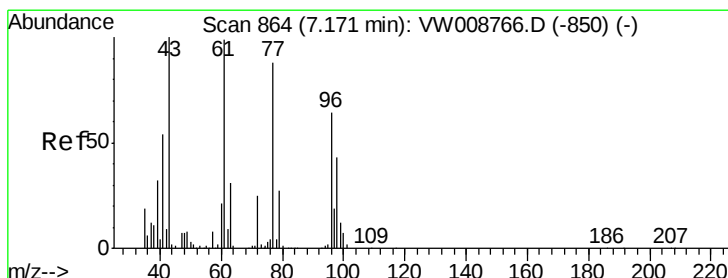
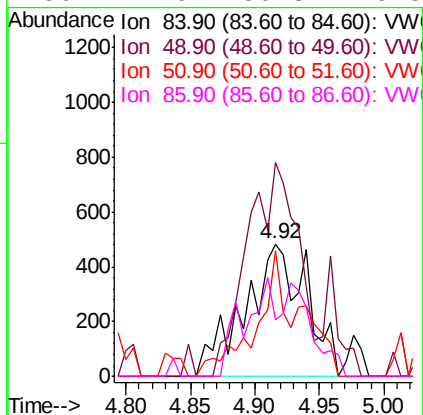
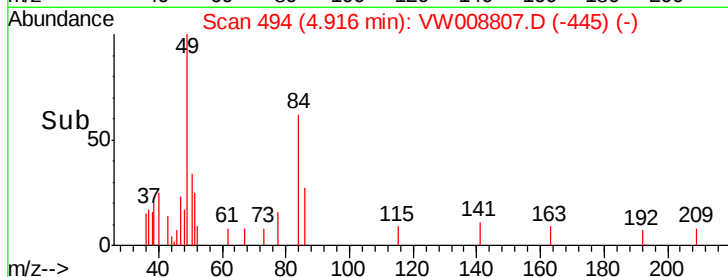
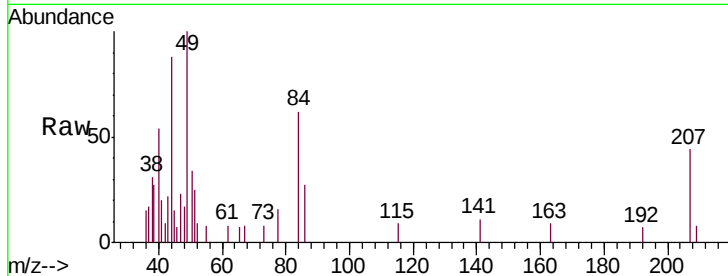




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008807.D
Acq: 25 Feb 2019 15:24

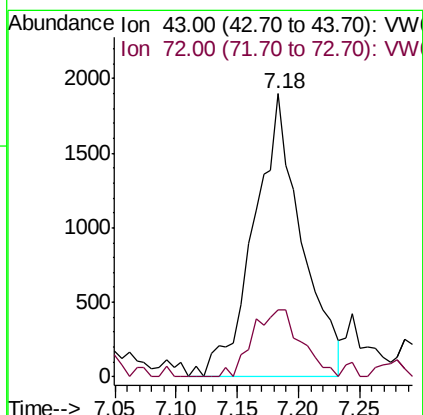
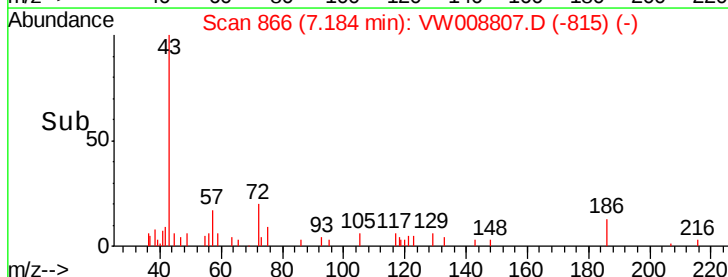
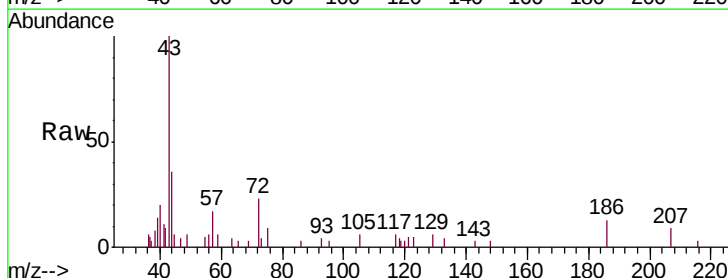
Instrument :
MSVOA_W
ClientSampled :
VOC-15

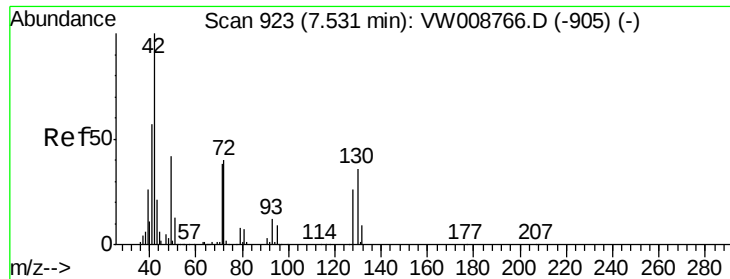
Tgt Ion: 84 Resp: 1611
Ion Ratio Lower Upper
84 100
49 137.6 108.2 162.2
51 95.4 32.7 49.1#
86 42.9 50.3 75.5#



#25
2-Butanone
Concen: 4.767 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008807.D
Acq: 25 Feb 2019 15:24

Tgt Ion: 43 Resp: 5115
Ion Ratio Lower Upper
43 100
72 23.5 19.7 29.5

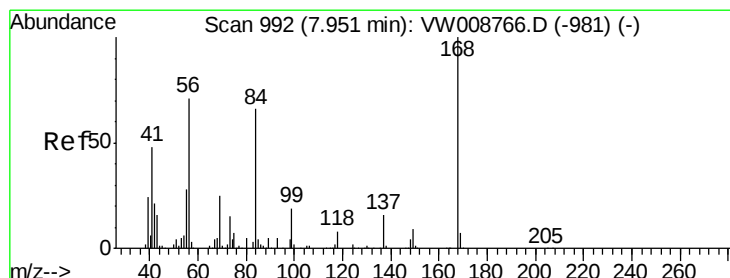
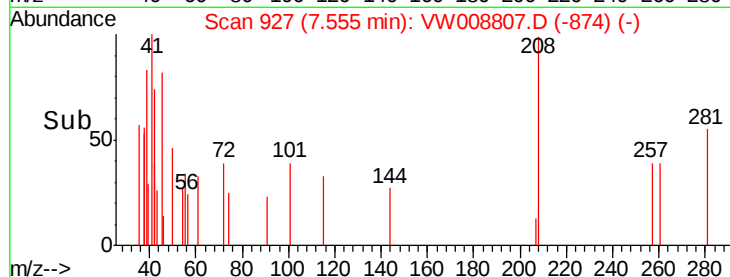
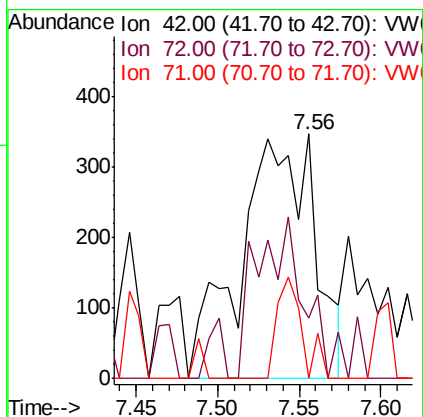
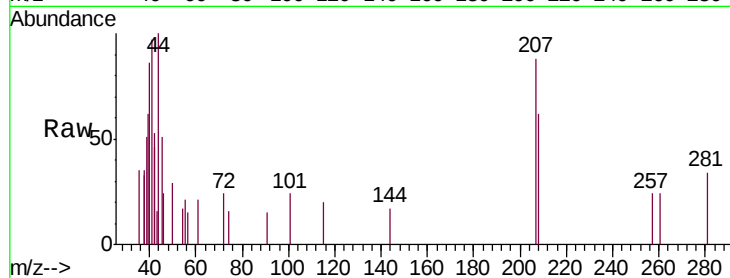




#29
Tetrahydrofuran
Concen: 1.581 ug/l
RT: 7.56 min Scan# 927
Delta R.T. 0.02 min
Lab File: VW008807.D
Acq: 25 Feb 2019 15:24

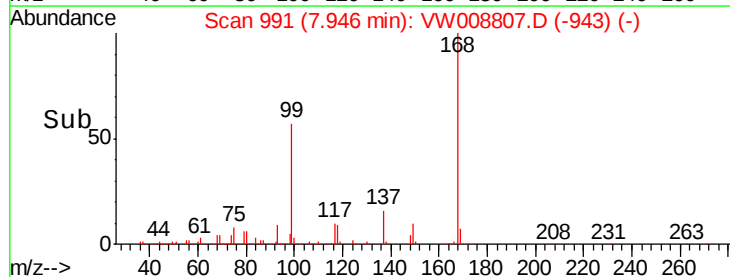
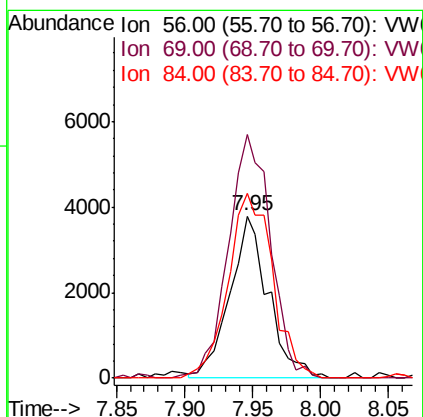
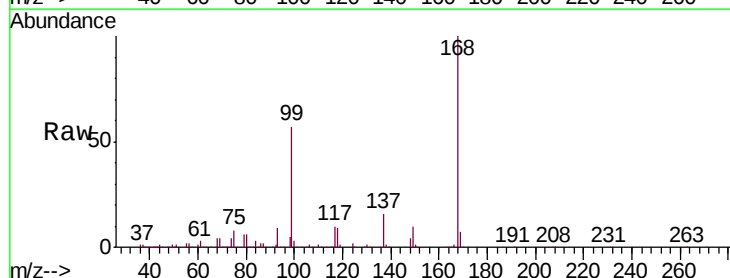
Instrument :
MSVOA_W
ClientSampled :
VOC-15

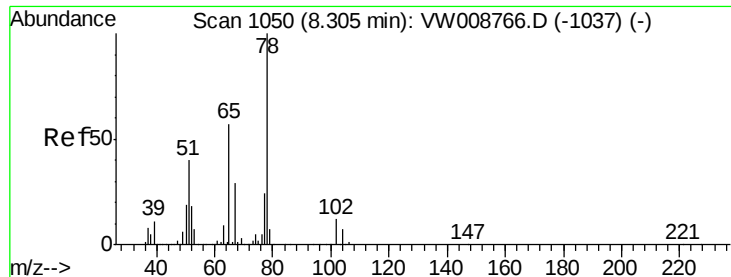
Tgt Ion: 42 Resp: 1081
Ion Ratio Lower Upper
42 100
72 43.3 32.7 49.1
71 14.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.201 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008807.D
Acq: 25 Feb 2019 15:24

Tgt Ion: 56 Resp: 7498
Ion Ratio Lower Upper
56 100
69 150.2 28.2 42.4#
84 114.0 74.1 111.1#

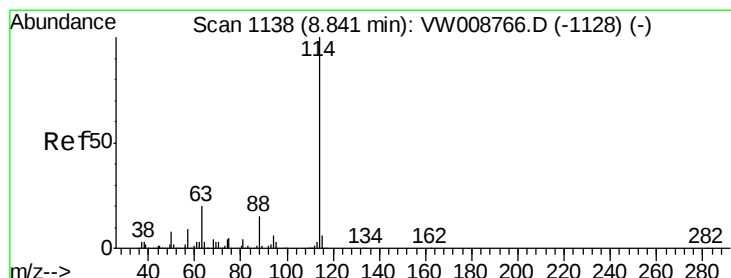
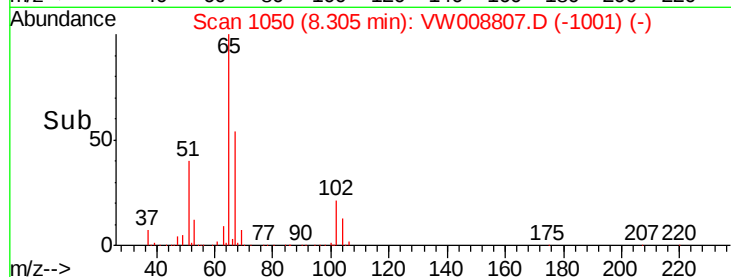
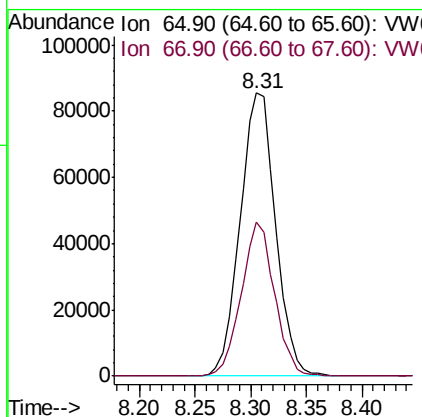
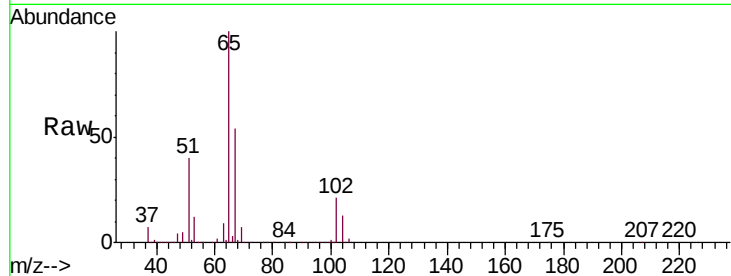




#33
 1,2-Dichloroethane-d4
 Concen: 57.055 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008807.D
 Acq: 25 Feb 2019 15:24

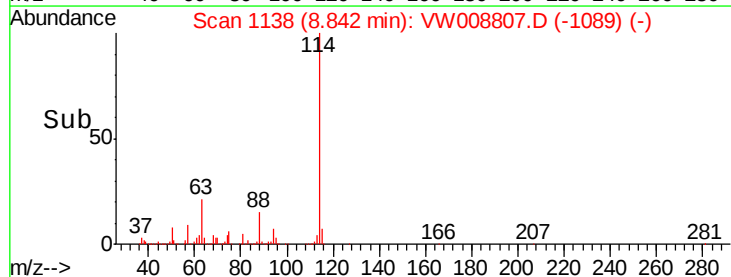
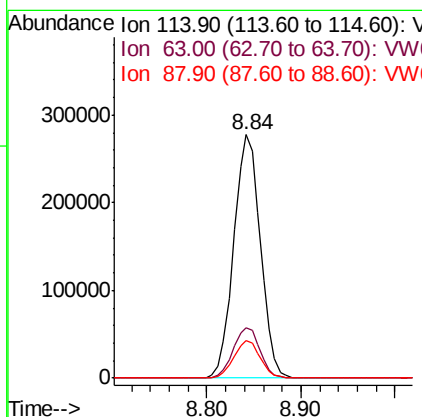
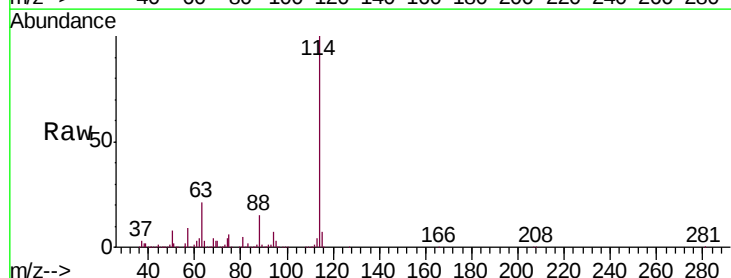
Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-15

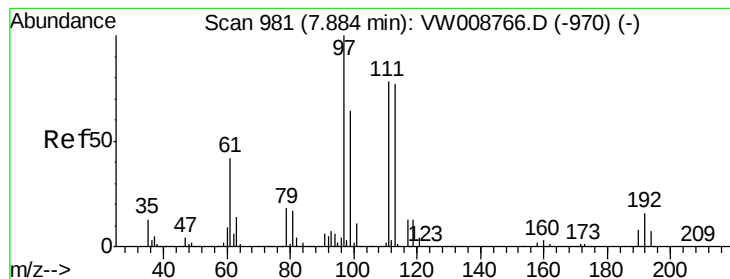
Tgt Ion: 65 Resp: 188911
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008807.D
 Acq: 25 Feb 2019 15:24

Tgt Ion: 114 Resp: 545467
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 47.696 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008807.D

Acq: 25 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

VOC-15

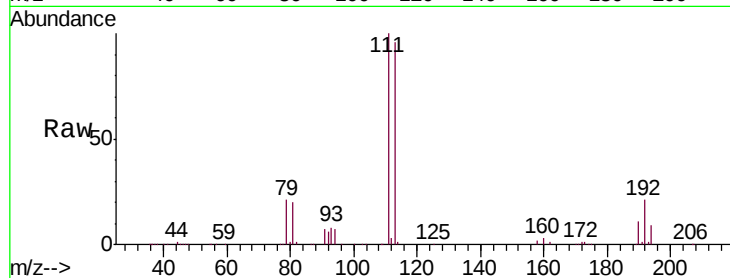
Tgt Ion:113 Resp: 156208

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

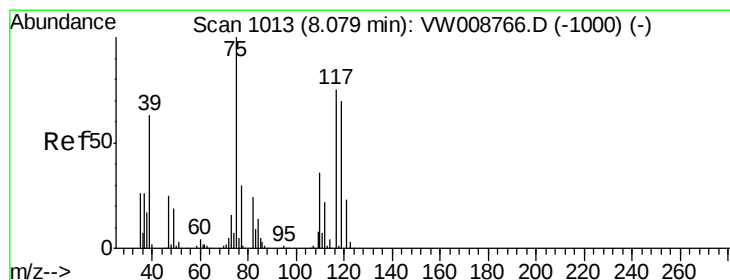
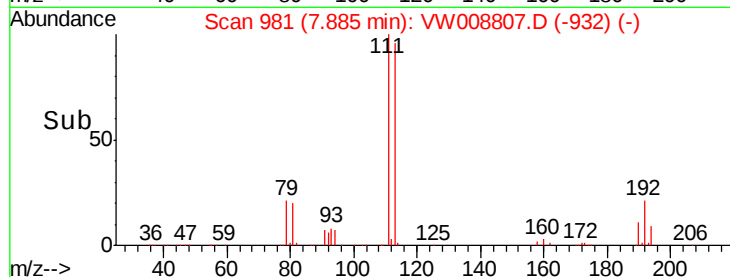
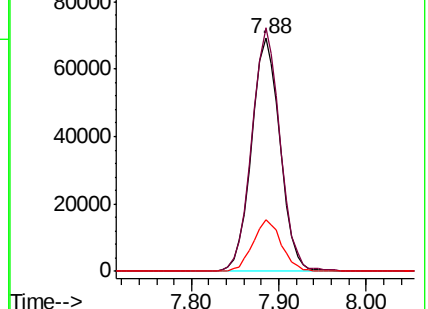
192 22.1 17.1 25.7



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: 4.950 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008807.D

Acq: 25 Feb 2019 15:24

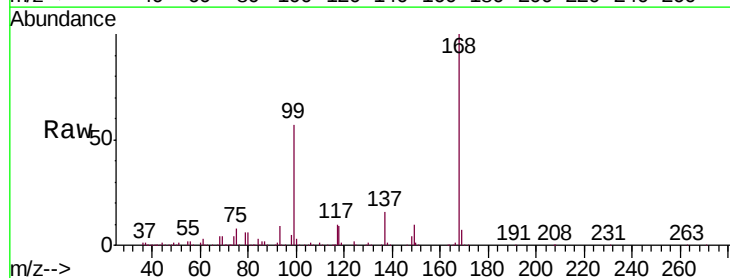
Tgt Ion: 75 Resp: 26283

Ion Ratio Lower Upper

75 100

110 10.1 17.5 52.6#

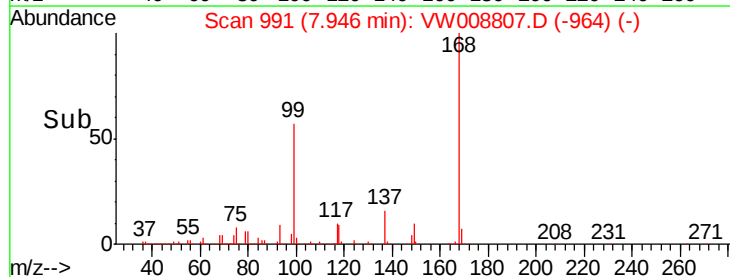
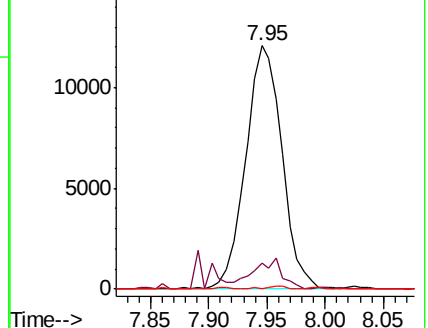
77 0.6 24.5 36.7#

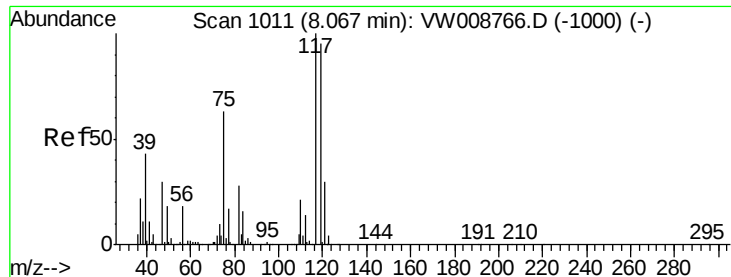


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

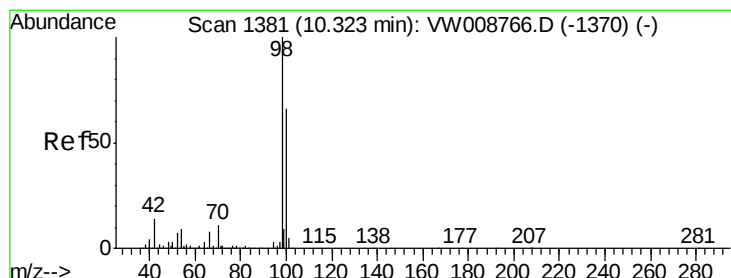
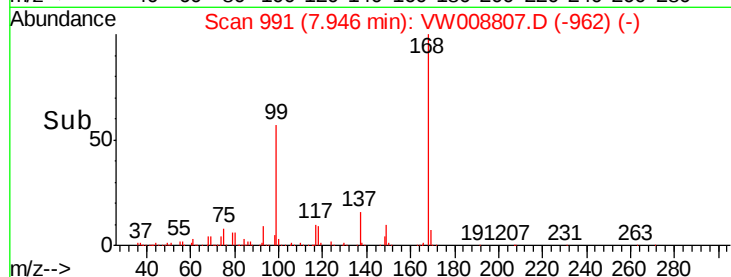
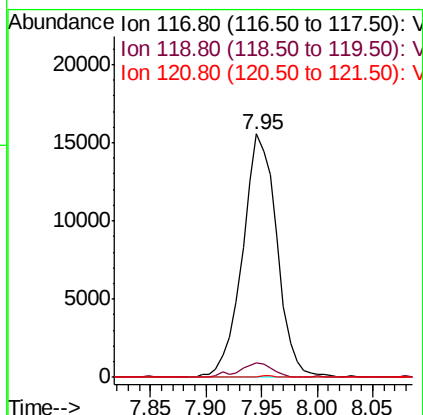
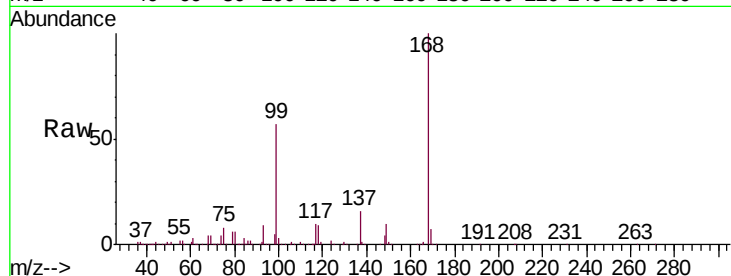




#38
Carbon Tetrachloride
Concen: 5.945 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008807.D
Acq: 25 Feb 2019 15:24

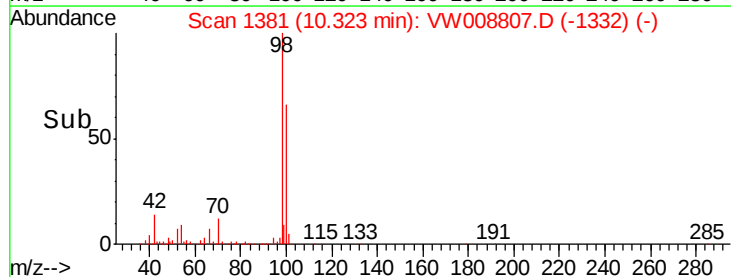
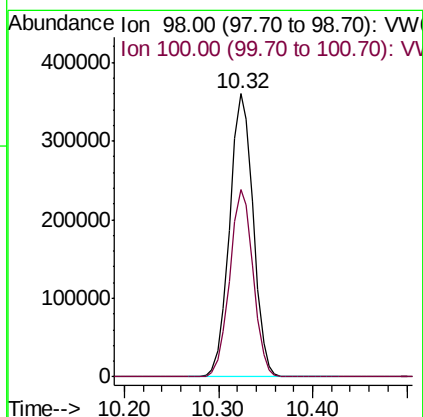
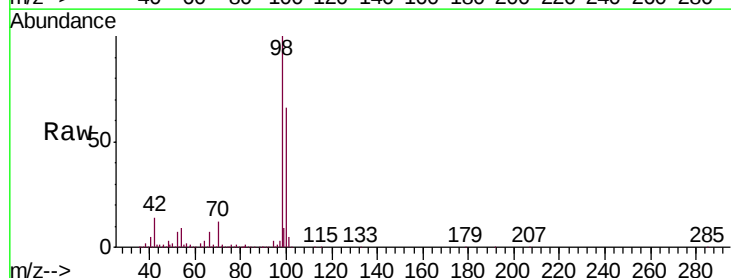
Instrument :
MSVOA_W
ClientSampleId :
VOC-15

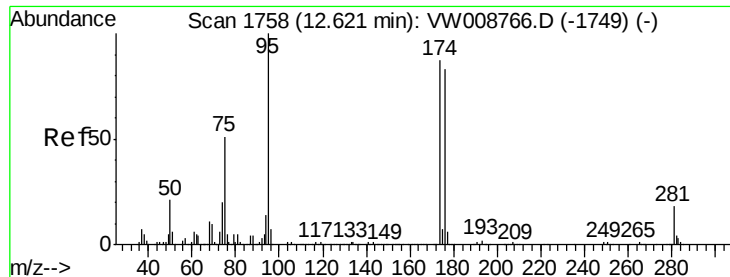
Tgt Ion:117 Resp: 33288
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.493 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008807.D
Acq: 25 Feb 2019 15:24

Tgt Ion: 98 Resp: 625722
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

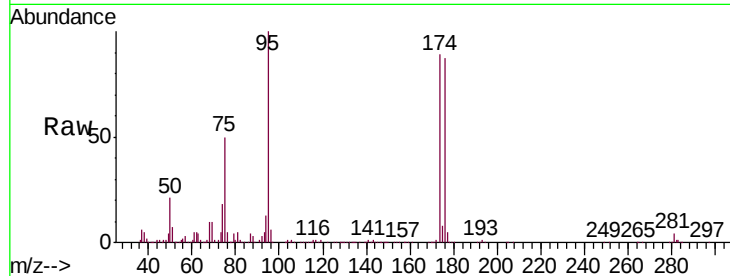




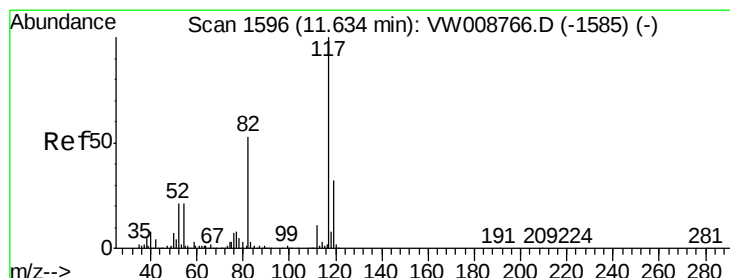
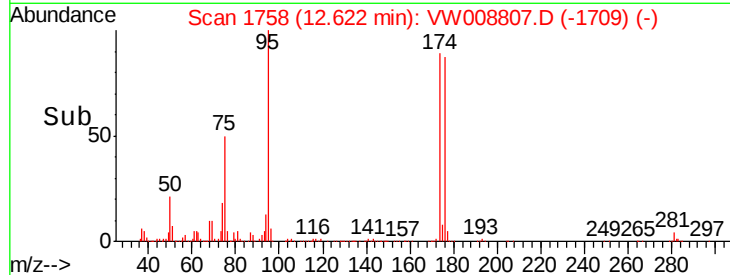
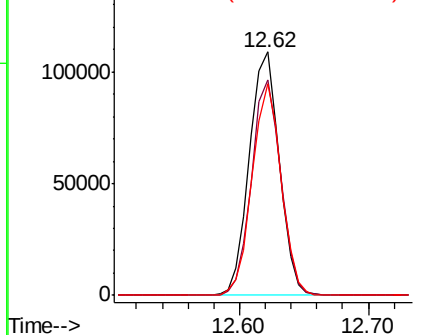
#62
4-Bromofluorobenzene
Concen: 35.210 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008807.D
Acq: 25 Feb 2019 15:24

Instrument :
MSVOA_W
ClientSampleId :
VOC-15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	169.2
176	84.2	0.0	163.6

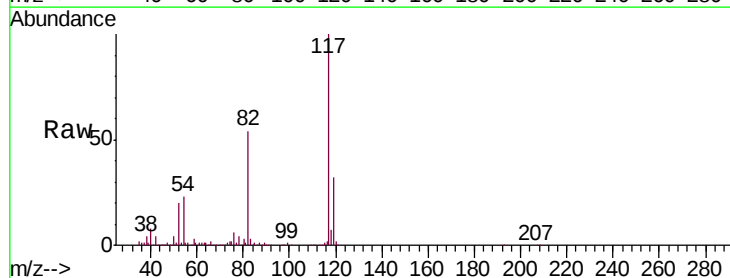


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

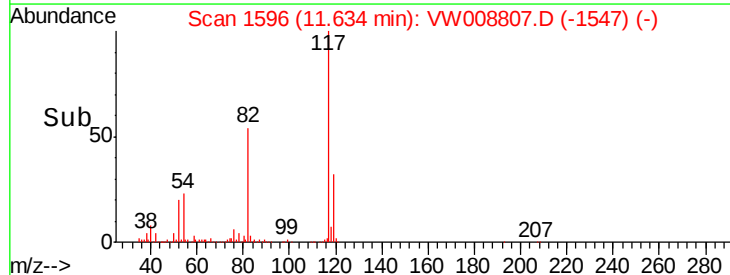
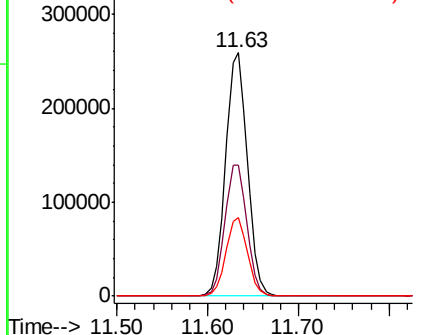


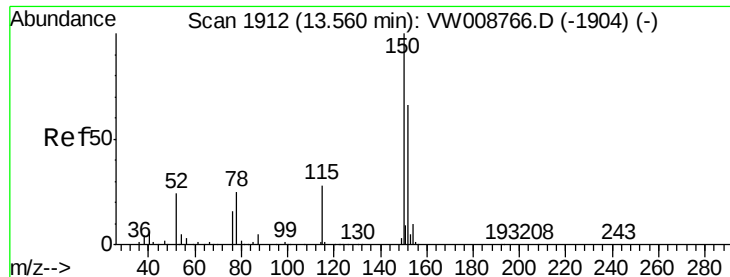
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008807.D
Acq: 25 Feb 2019 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.2	63.4
119	32.0	25.9	38.9



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008807.D

Acq: 25 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

VOC-15

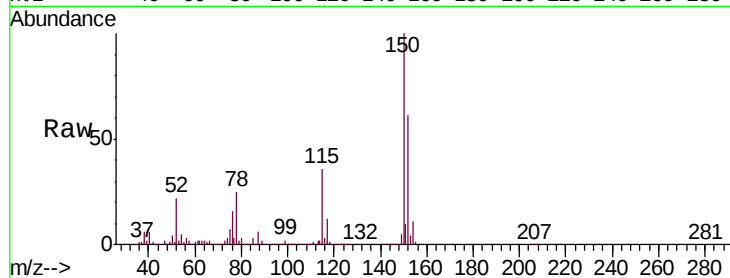
Tgt Ion: 152 Resp: 139819

Ion Ratio Lower Upper

152 100

115 58.5 28.6 85.8

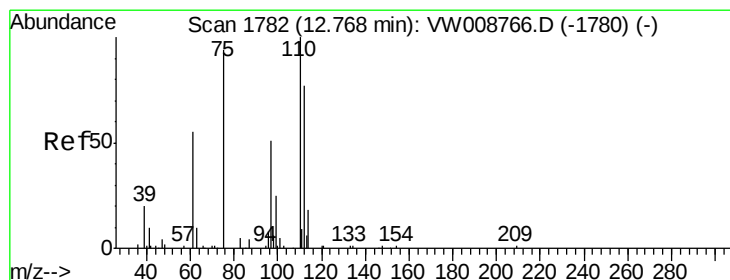
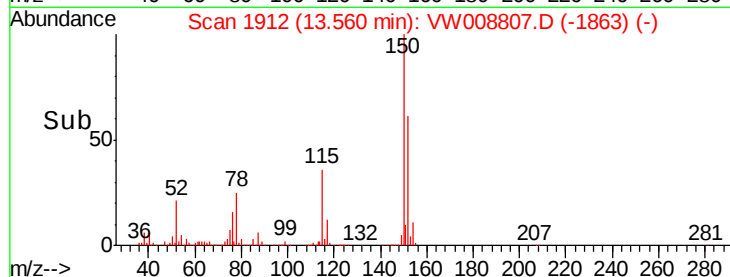
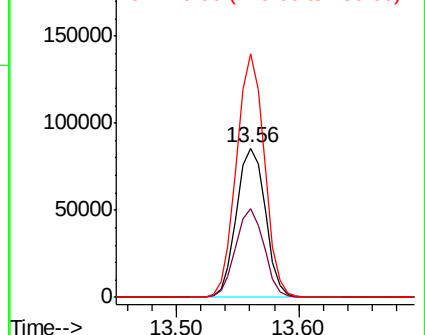
150 157.8 0.0 348.0



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: 78.647 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008807.D

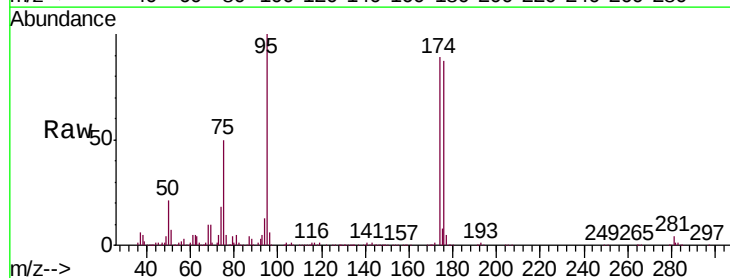
Acq: 25 Feb 2019 15:24

Tgt Ion: 75 Resp: 90790

Ion Ratio Lower Upper

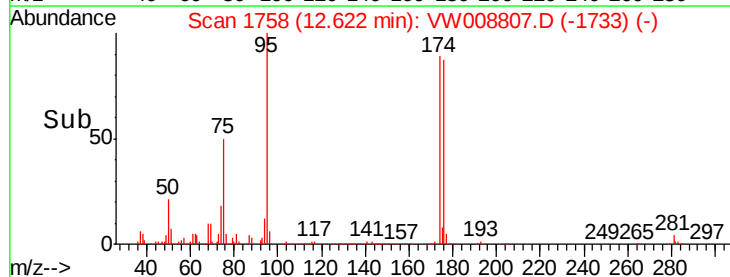
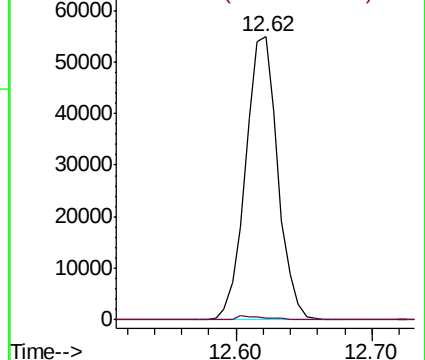
75 100

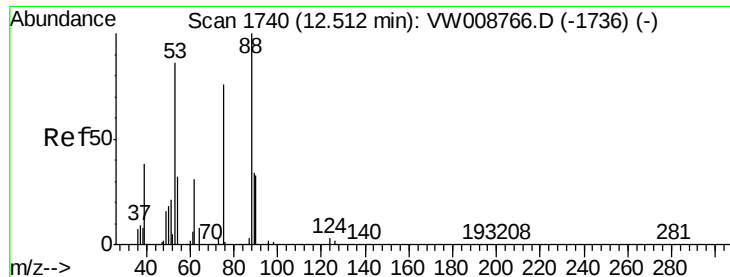
77 1.6 0.0 0.0#



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: 191.198 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008807.D

Acq: 25 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

VOC-15

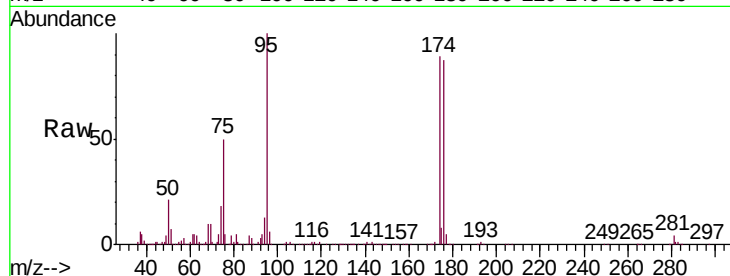
Tgt Ion: 75 Resp: 90790

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

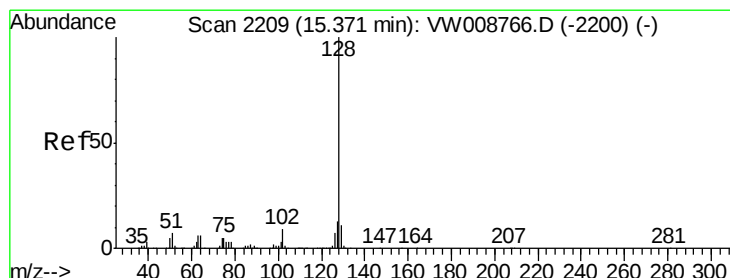
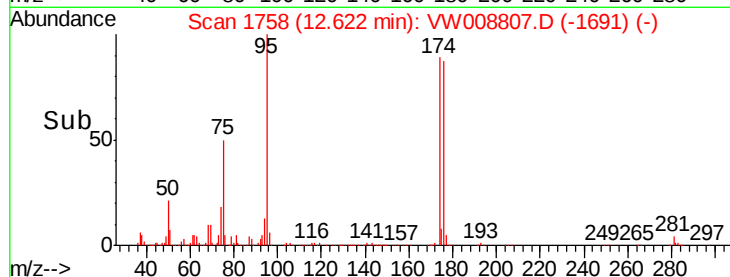
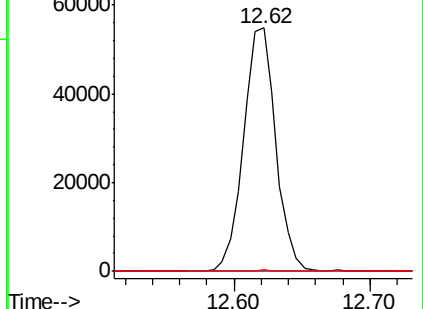
89 0.2 39.5 59.3#



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



#95

Naphthalene

Concen: 13.140 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008807.D

Acq: 25 Feb 2019 15:24

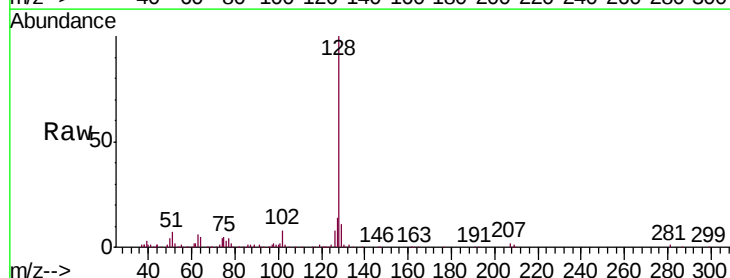
Tgt Ion: 128 Resp: 67499

Ion Ratio Lower Upper

128 100

127 13.9 10.8 16.2

129 10.6 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

