

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110118\
 Data File : VW006528.D
 Acq On : 31 Oct 2018 16:10
 Operator : SY/AP
 Sample : J5654-02RE
 Misc : 19.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SW2-02RE

Quant Time: Oct 31 16:49:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	325305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	491714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	416067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	186604	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	142000	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.96	113	570	0.20	ug/l	0.07
Spiked Amount	50.000		Recovery	=	0.40%	
50) Toluene-d8	10.32	98	563331	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.62	95	187863	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	

Target Compounds

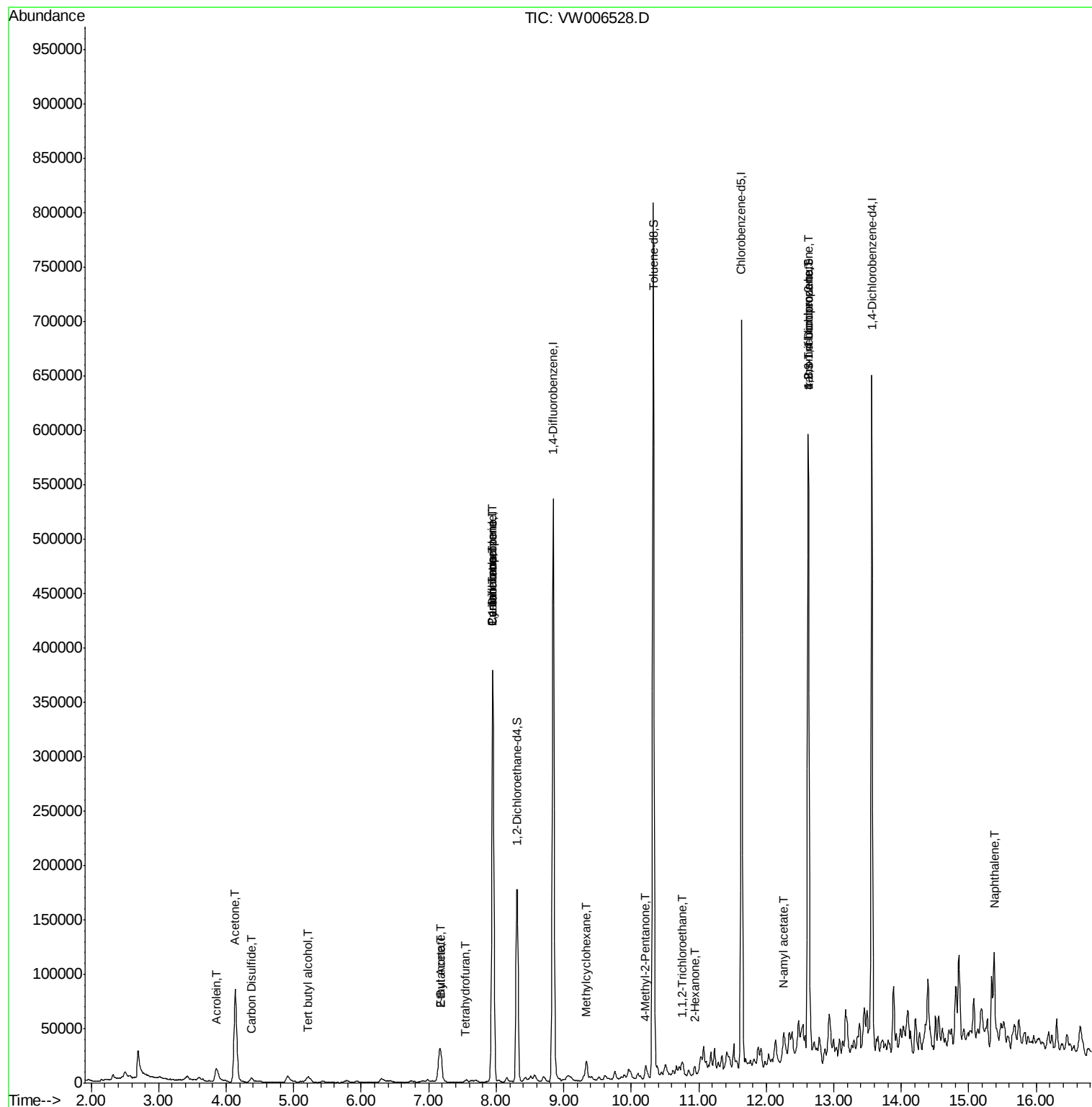
						Qvalue
11) Tert butyl alcohol	5.21	59	12662	69.81	ug/l	98
13) Acrolein	3.85	56	956	5.45	ug/l #	1
16) Acetone	4.14	43	157079	314.26	ug/l	91
17) Carbon Disulfide	4.38	76	8778	1.07	ug/l	98
25) 2-Butanone	7.18	43	30544	41.92	ug/l	97
29) Tetrahydrofuran	7.54	42	678	1.51	ug/l #	87
31) Cyclohexane	7.95	56	6584	1.33	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18935	4.18	ug/l #	49
37) Ethyl Acetate	7.18	43	30544	18.14	ug/l #	67
38) Carbon Tetrachloride	7.95	117	27898	5.62	ug/l #	17
39) Methylcyclohexane	9.34	83	8758	1.45	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1980	1.15	ug/l	94
55) 1,1,2-Trichloroethane	10.76	97	2822	1.19	ug/l #	23
59) 2-Hexanone	10.94	43	3850	3.13	ug/l #	27
74) N-amyl acetate	12.26	43	12066	4.71	ug/l #	63
76) 1,2,3-Trichloropropane	12.62	75	84287	59.14	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84287	141.36	ug/l #	10
95) Naphthalene	15.38	128	82473	11.24	ug/l	97

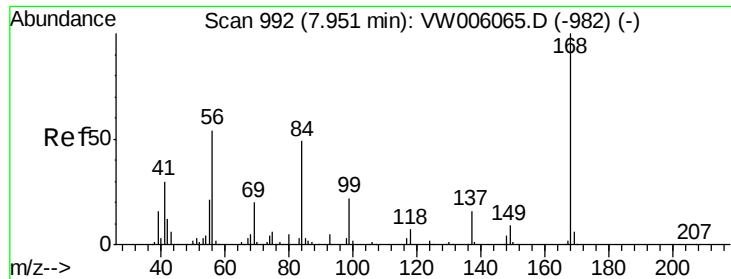
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006528.D

Acq: 31 Oct 2018 16:10

Instrument :

MSVOA_W

ClientSampleId :

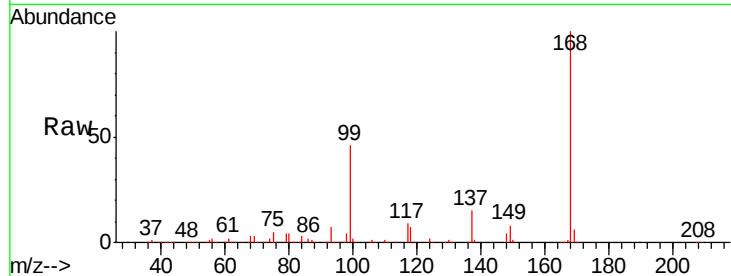
SW2-02RE

Tgt Ion:168 Resp: 325305

Ion Ratio Lower Upper

168 100

99 46.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

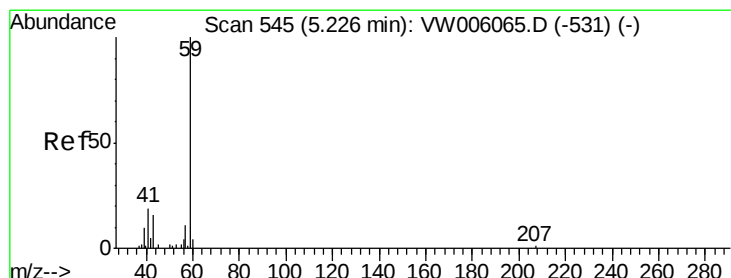
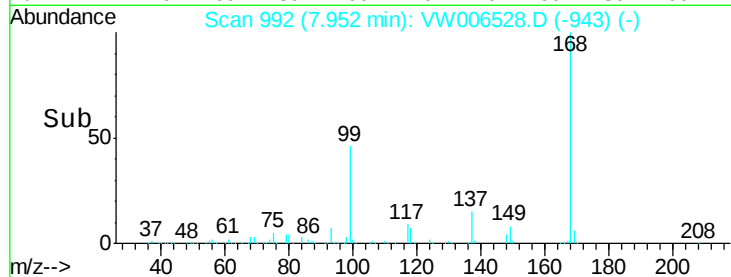
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 69.81 ug/l

RT: 5.21 min Scan# 543

Delta R.T. -0.01 min

Lab File: VW006528.D

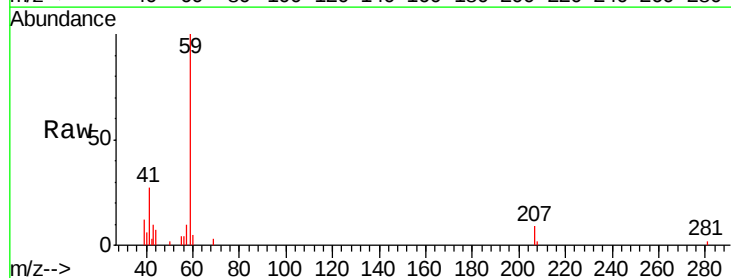
Acq: 31 Oct 2018 16:10

Tgt Ion: 59 Resp: 12662

Ion Ratio Lower Upper

59 100

57 11.8 8.7 13.1



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

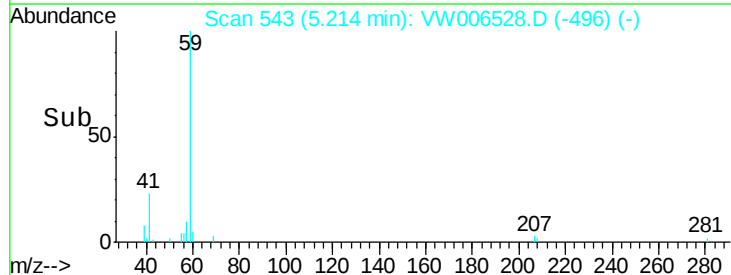
3000

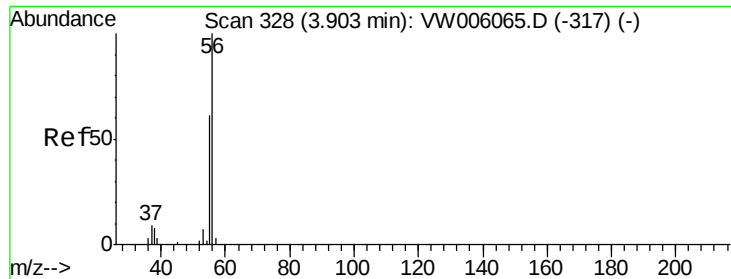
2000

1000

0

Time-->





#13

Acrolein

Concen: 5.45 ug/l

RT: 3.85 min Scan# 319

Delta R.T. -0.05 min

Lab File: VW006528.D

Acq: 31 Oct 2018 16:10

Instrument :

MSVOA_W

ClientSampleId :

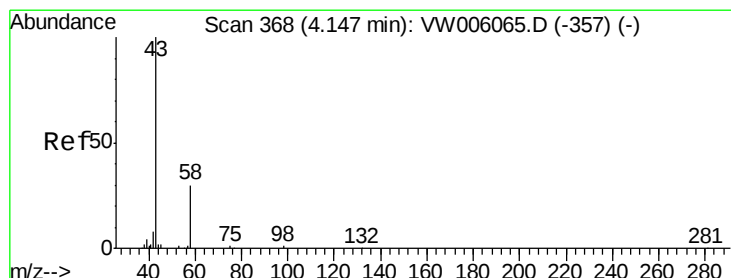
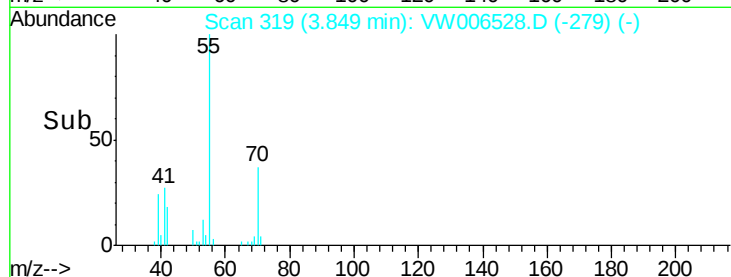
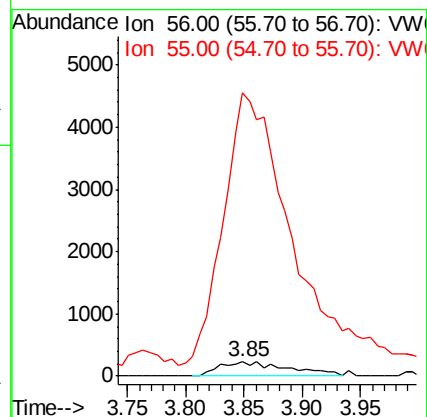
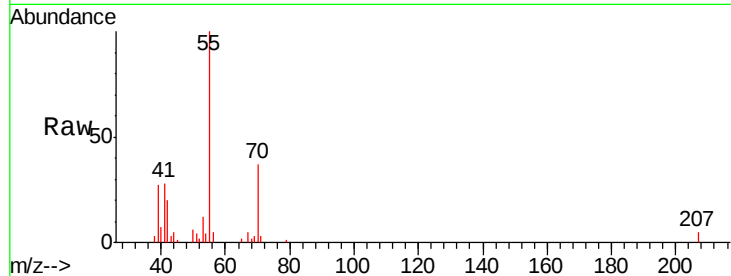
SW2-02RE

Tgt Ion: 56 Resp: 956

Ion Ratio Lower Upper

56 100

55 1964.2 54.5 81.7#



#16

Acetone

Concen: 314.26 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006528.D

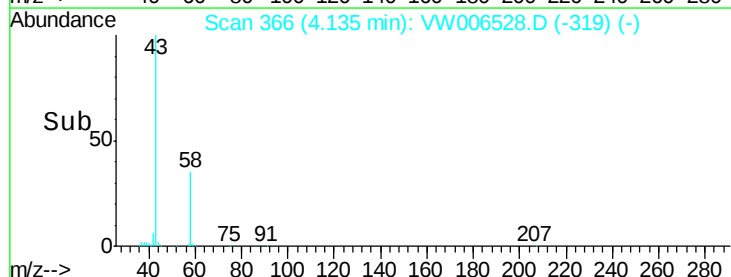
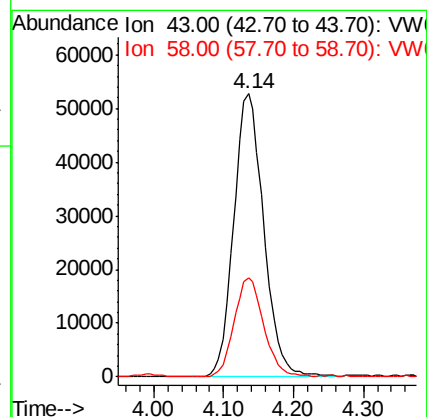
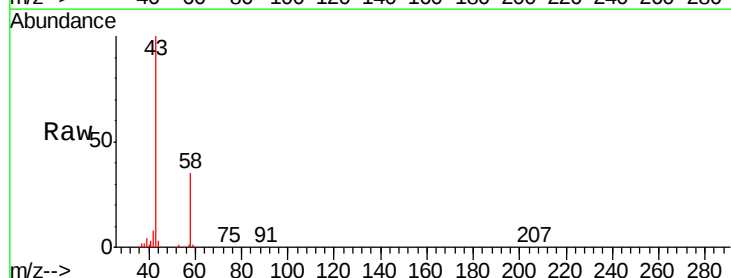
Acq: 31 Oct 2018 16:10

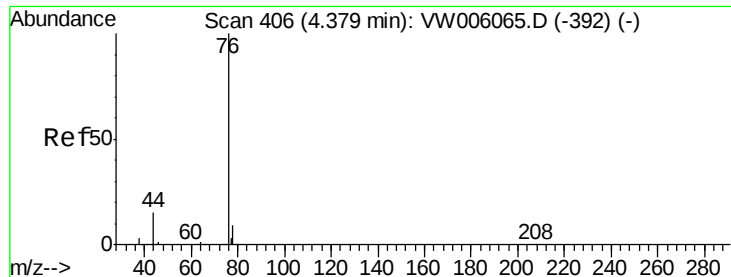
Tgt Ion: 43 Resp: 157079

Ion Ratio Lower Upper

43 100

58 34.9 24.0 36.0





#17

Carbon Disulfide

Concen: 1.07 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006528.D

Acq: 31 Oct 2018 16:10

Instrument :

MSVOA_W

ClientSampleId :

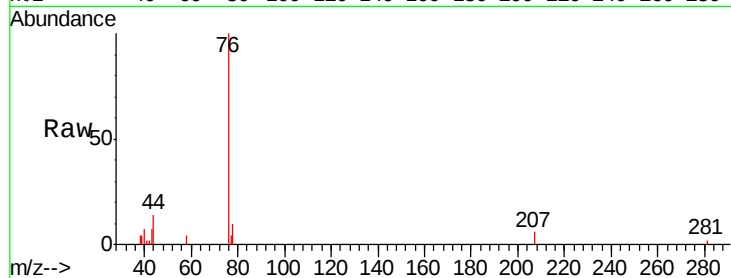
SW2-02RE

Tgt Ion: 76 Resp: 8778

Ion Ratio Lower Upper

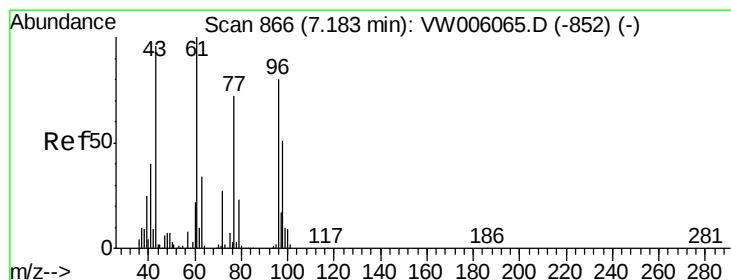
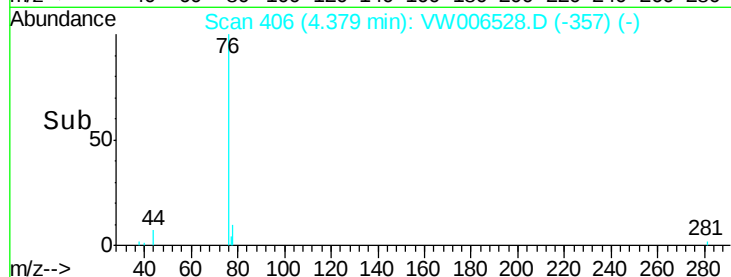
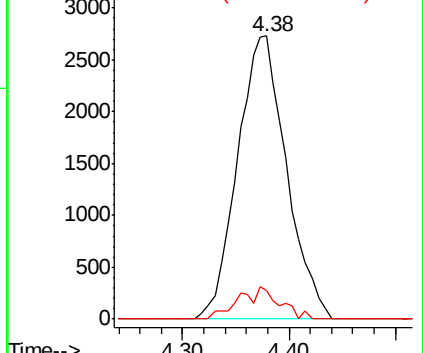
76 100

78 10.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#25

2-Butanone

Concen: 41.92 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006528.D

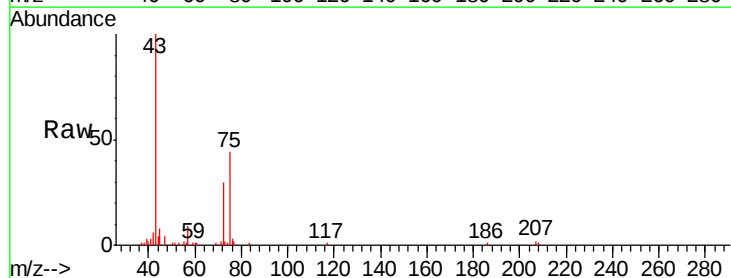
Acq: 31 Oct 2018 16:10

Tgt Ion: 43 Resp: 30544

Ion Ratio Lower Upper

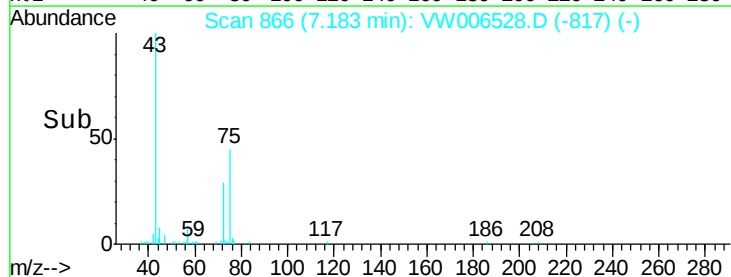
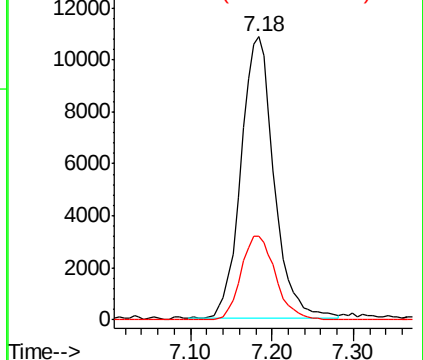
43 100

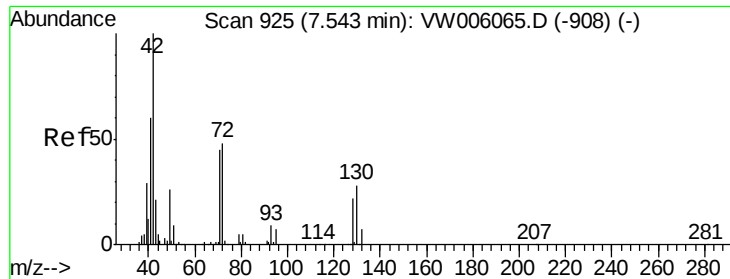
72 29.8 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.51 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006528.D

Acq: 31 Oct 2018 16:10

Instrument :

MSVOA_W

ClientSampleId :

SW2-02RE

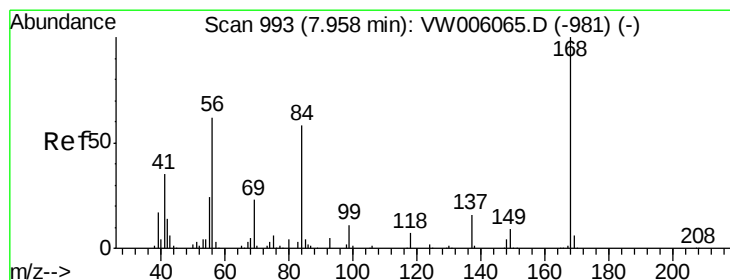
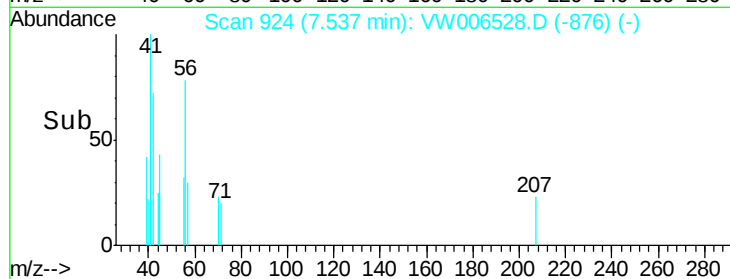
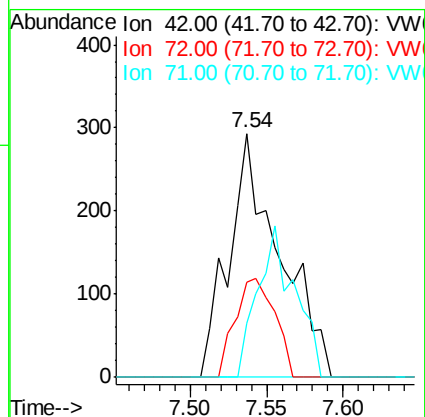
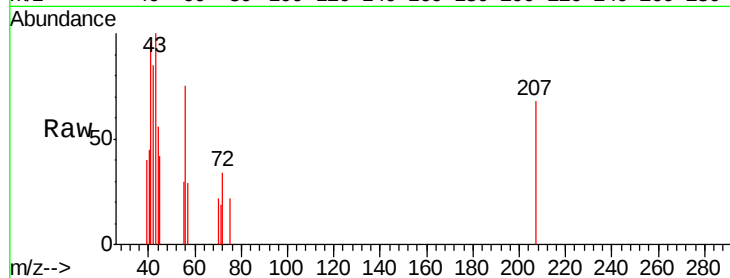
Tgt Ion: 42 Resp: 678

Ion Ratio Lower Upper

42 100

72 31.4 38.0 57.0#

71 45.3 35.3 52.9



#31

Cyclohexane

Concen: 1.33 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006528.D

Acq: 31 Oct 2018 16:10

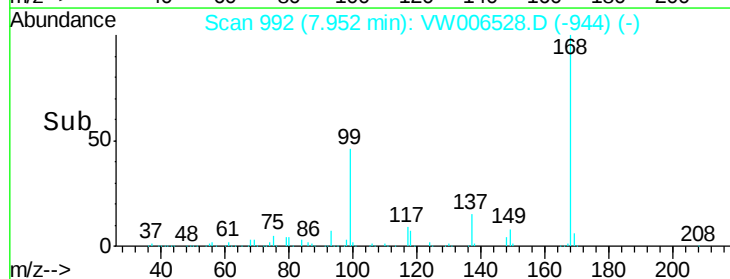
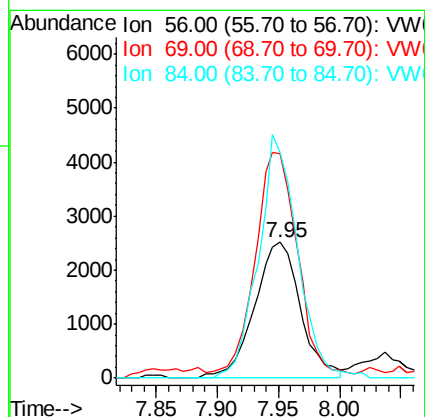
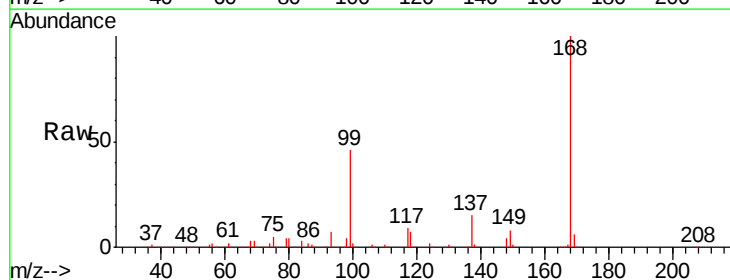
Tgt Ion: 56 Resp: 6584

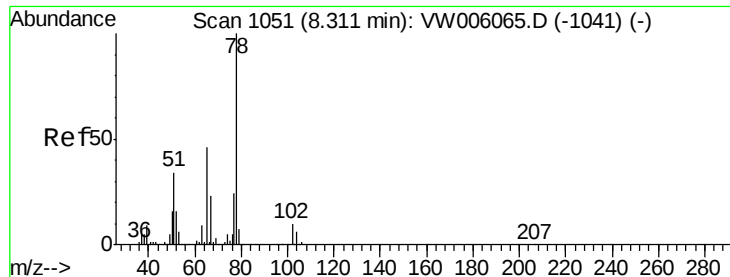
Ion Ratio Lower Upper

56 100

69 159.6 29.4 44.0#

84 166.1 74.0 111.0#





#33

1,2-Dichloroethane-d4

Concen: 52.65 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006528.D

Acq: 31 Oct 2018 16:10

Instrument :

MSVOA_W

ClientSampleId :

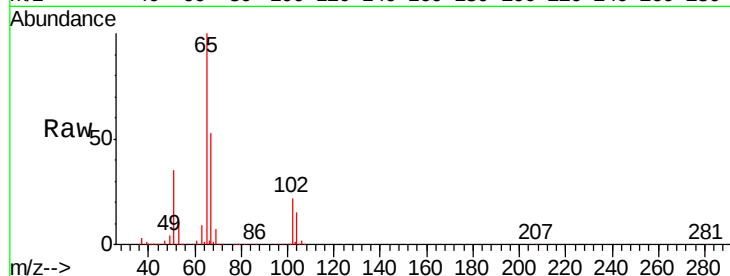
SW2-02RE

Tgt Ion: 65 Resp: 142000

Ion Ratio Lower Upper

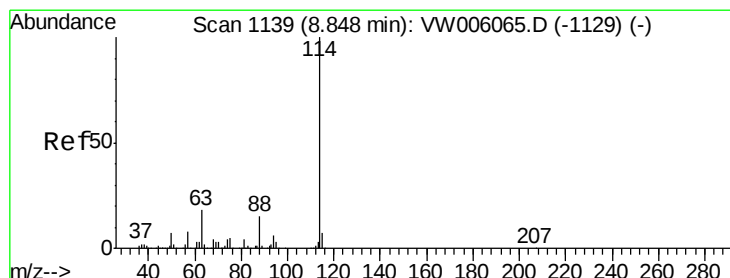
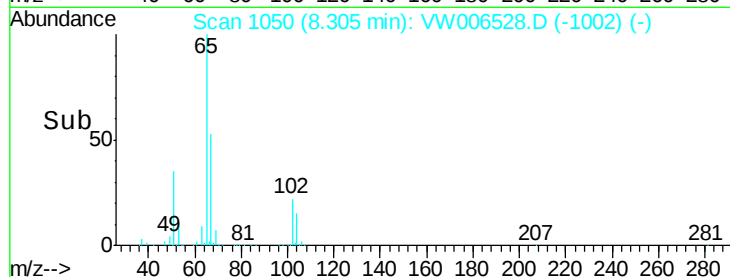
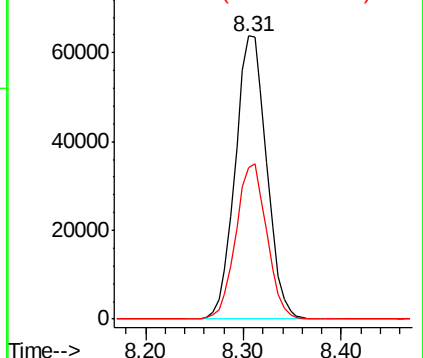
65 100

67 54.1 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW006528.D

Acq: 31 Oct 2018 16:10

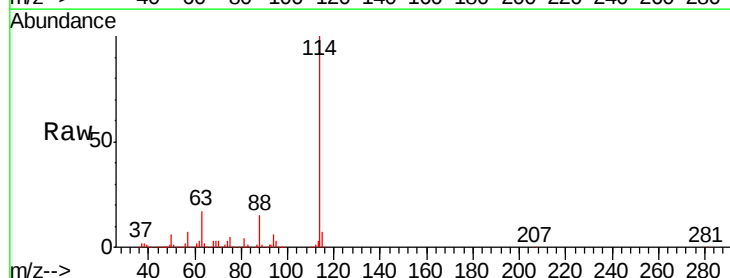
Tgt Ion: 114 Resp: 491714

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.8

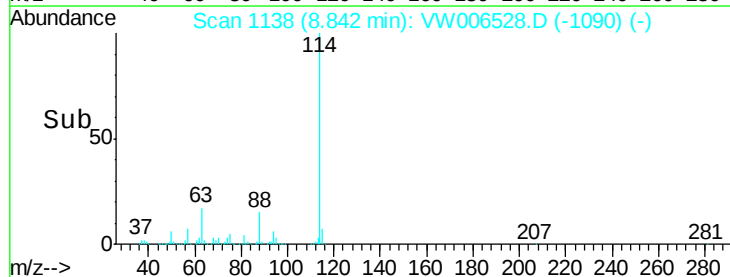
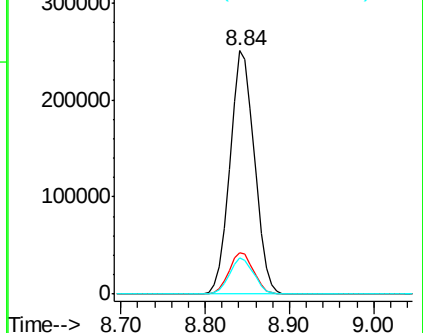
88 15.1 0.0 29.0

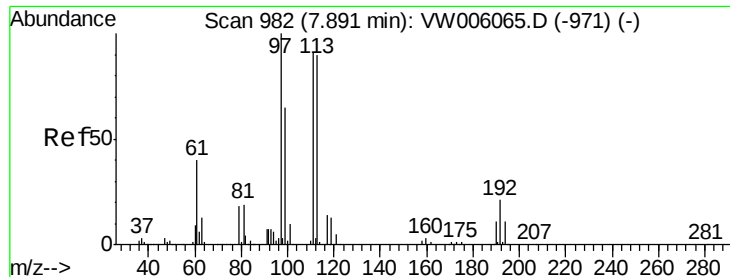


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 0.20 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.07 min

Lab File: VW006528.D

Acq: 31 Oct 2018 16:10

Instrument :

MSVOA_W

ClientSampleId :

SW2-02RE

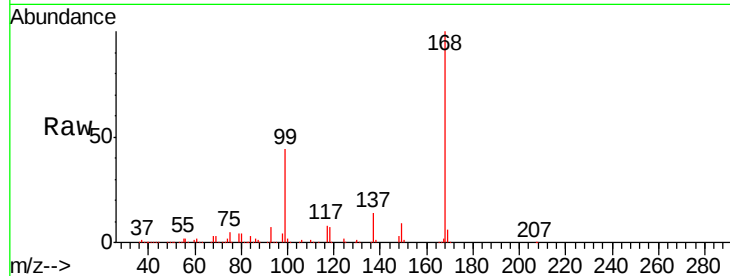
Tgt Ion:113 Resp: 570

Ion Ratio Lower Upper

113 100

111 104.9 81.4 122.0

192 0.0 18.7 28.1#

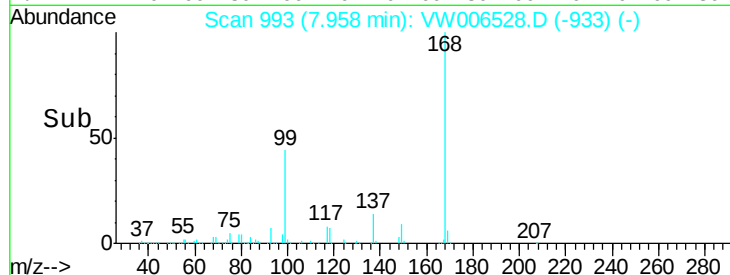


Abundance Ion 112.80 (112.50 to 113.50): V

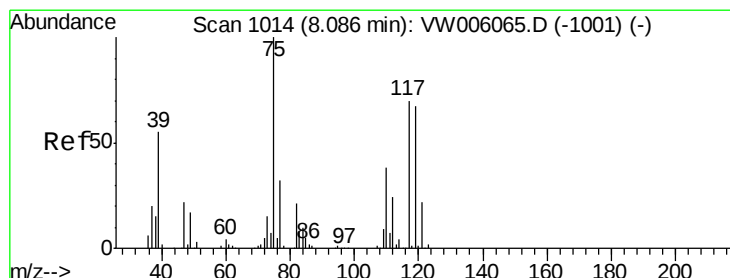
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



Time-->



#36

1,1-Dichloropropene

Concen: 4.18 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW006528.D

Acq: 31 Oct 2018 16:10

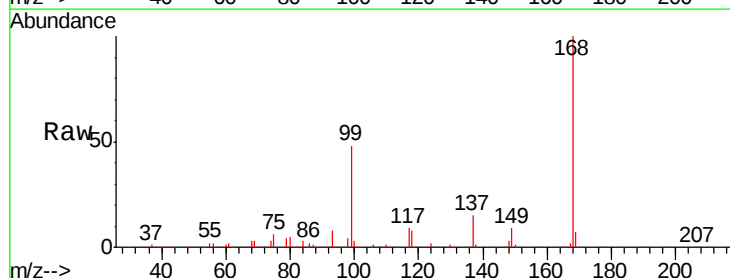
Tgt Ion: 75 Resp: 18935

Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.1#

77 0.0 25.0 37.4#

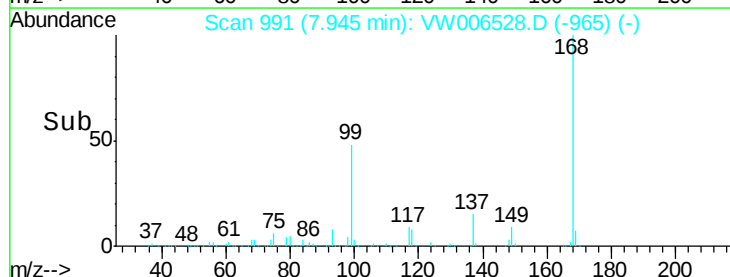


Abundance Ion 74.90 (74.60 to 75.60): VW

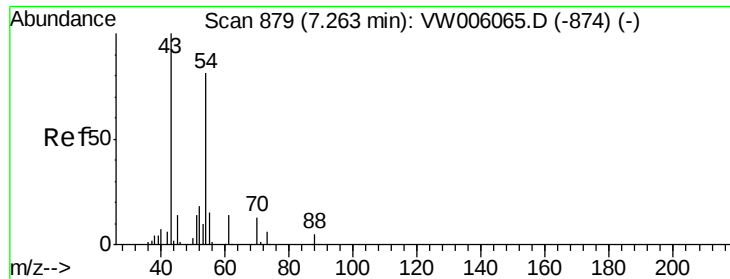
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

Time-->



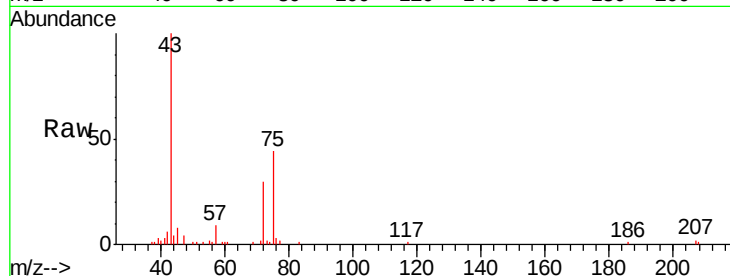
Time-->



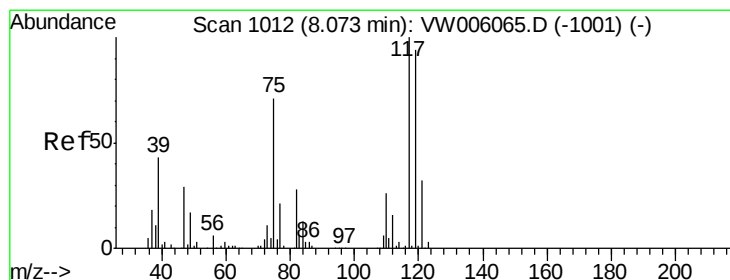
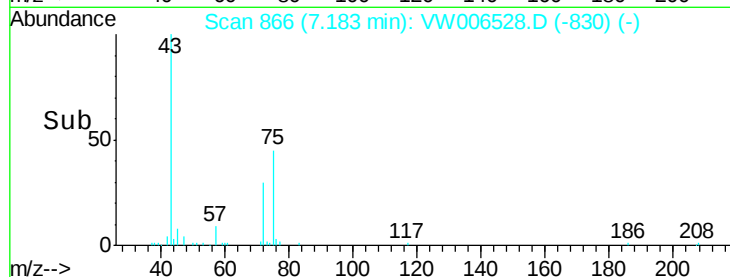
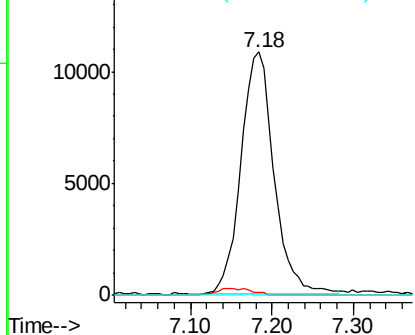
#37
Ethyl Acetate
Concen: 18.14 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.08 min
Lab File: VW006528.D
Acq: 31 Oct 2018 16:10

Instrument :
MSVOA_W
ClientSampleId :
SW2-02RE

Tgt Ion: 43 Resp: 30544
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.1 9.2 13.8#

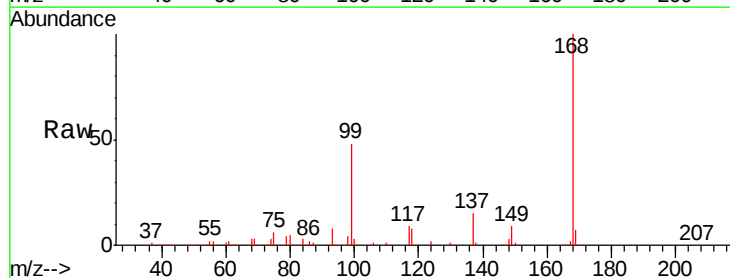


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

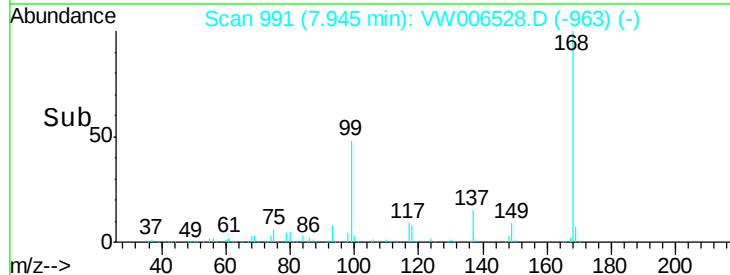
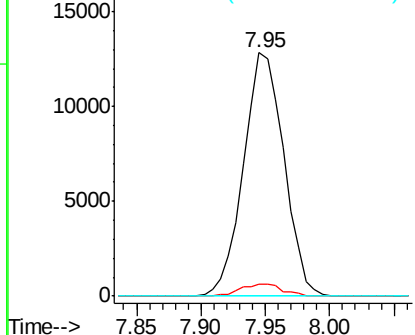


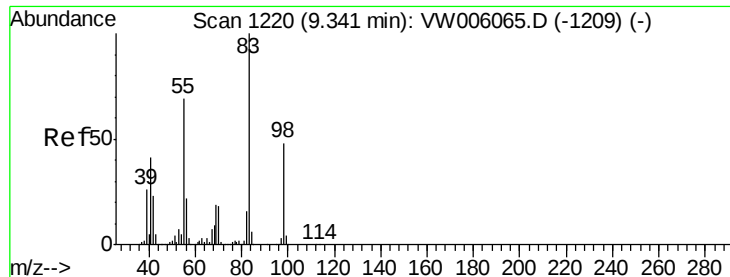
#38
Carbon Tetrachloride
Concen: 5.62 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW006528.D
Acq: 31 Oct 2018 16:10

Tgt Ion: 117 Resp: 27898
Ion Ratio Lower Upper
117 100
119 5.1 75.2 112.8#
121 0.0 25.3 37.9#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

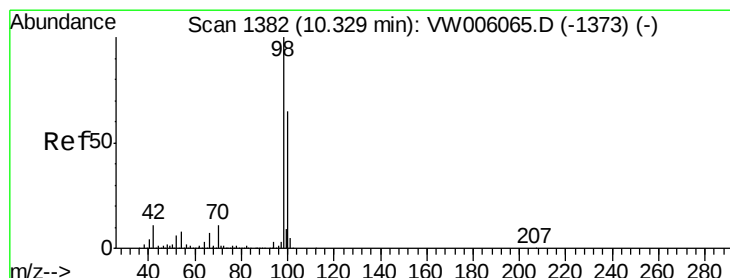
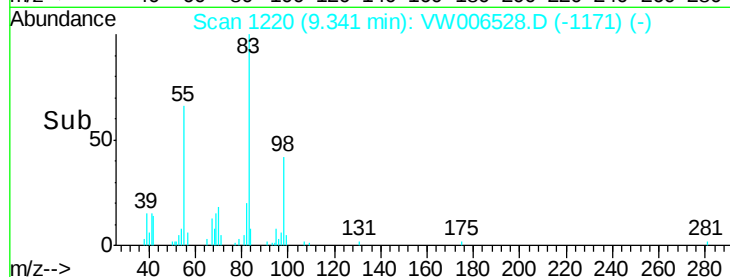
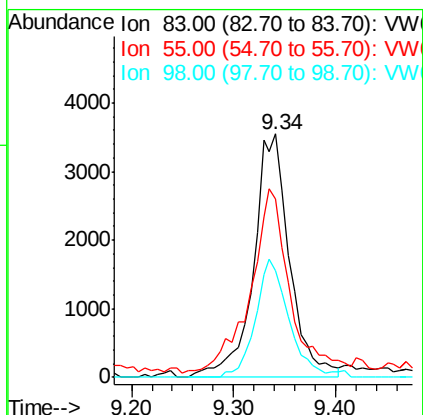
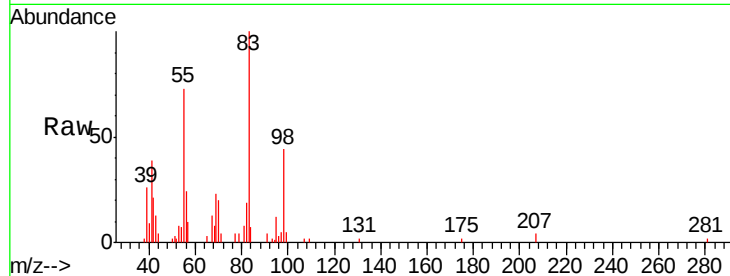




#39
Methylcyclohexane
Concen: 1.45 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006528.D
Acq: 31 Oct 2018 16:10

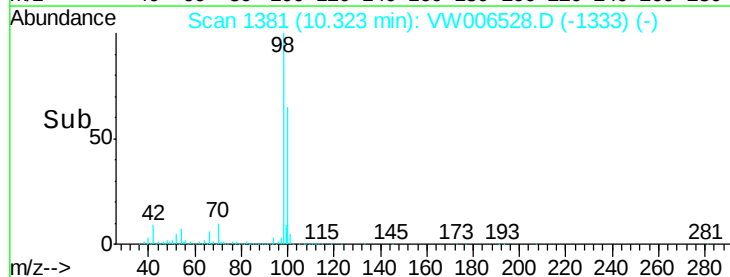
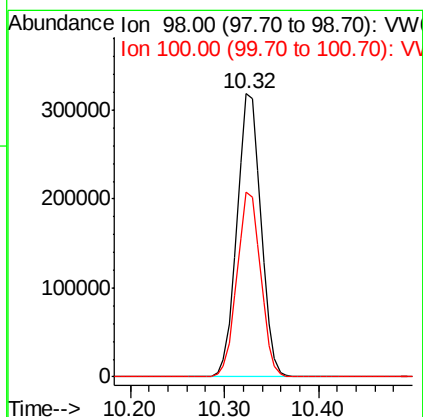
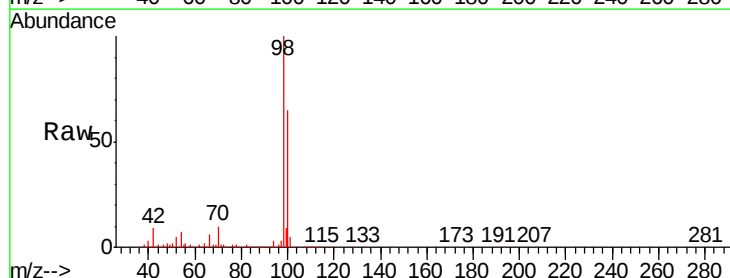
Instrument :
MSVOA_W
ClientSampleId :
SW2-02RE

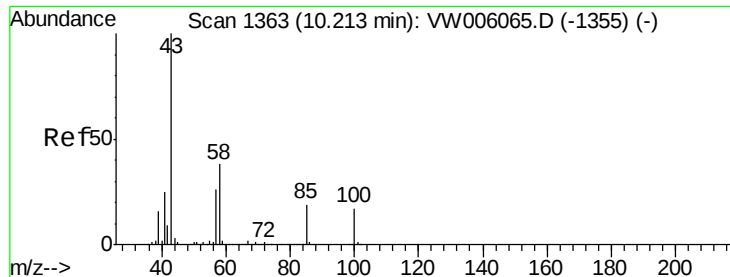
Tgt Ion: 83 Resp: 8758
Ion Ratio Lower Upper
83 100
55 70.8 55.0 82.6
98 43.9 38.6 57.8



#50
Toluene-d8
Concen: 50.96 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006528.D
Acq: 31 Oct 2018 16:10

Tgt Ion: 98 Resp: 563331
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.15 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006528.D

Acq: 31 Oct 2018 16:10

Instrument :

MSVOA_W

ClientSampled :

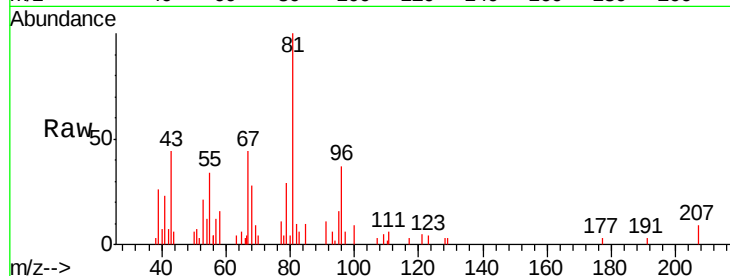
SW2-02RE

Tgt Ion: 43 Resp: 1980

Ion Ratio Lower Upper

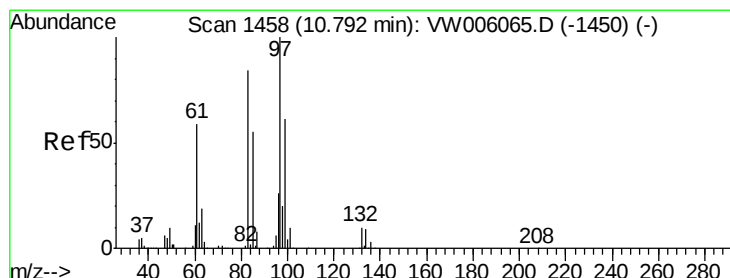
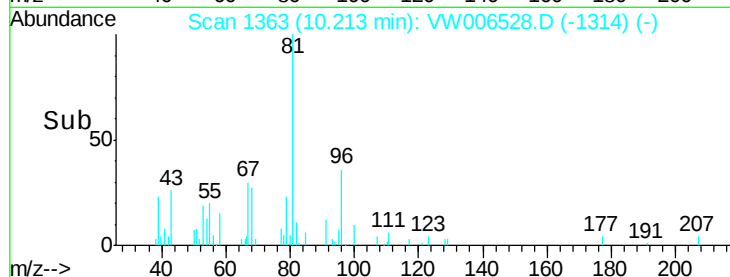
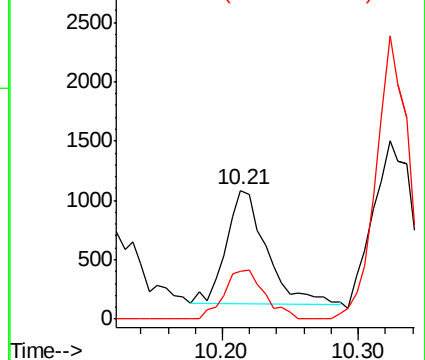
43 100

58 43.2 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#55

1,1,2-Trichloroethane

Concen: 1.19 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VW006528.D

Acq: 31 Oct 2018 16:10

Tgt Ion: 97 Resp: 2822

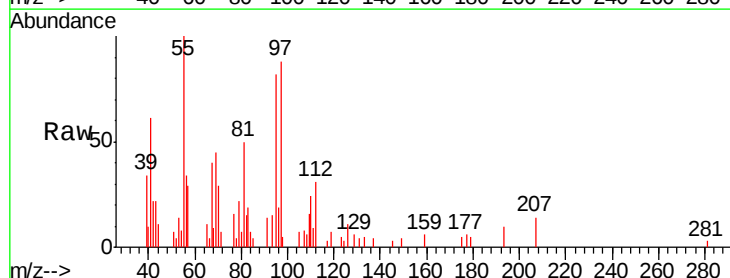
Ion Ratio Lower Upper

97 100

83 12.0 67.2 100.8#

85 5.2 43.7 65.5#

99 0.0 48.5 72.7#

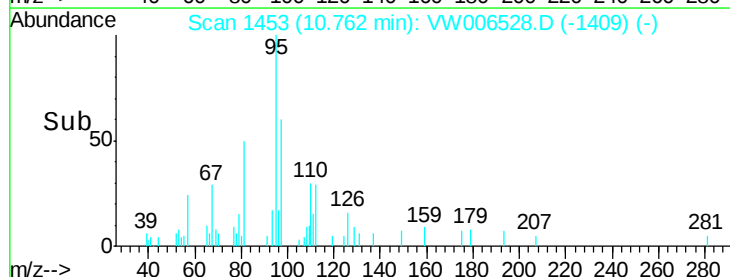
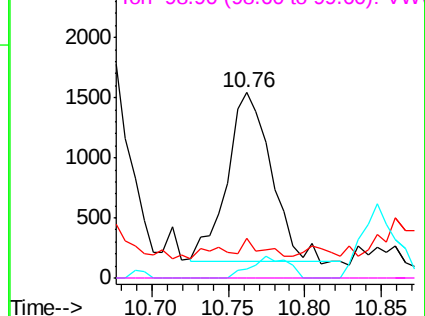


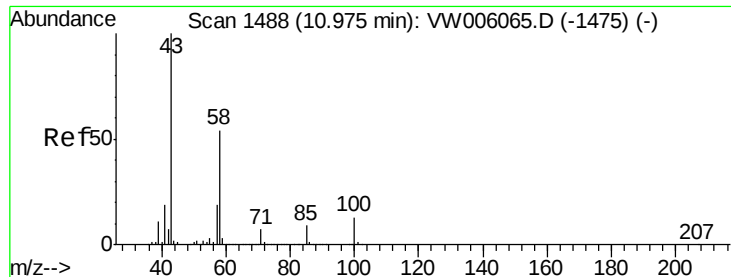
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

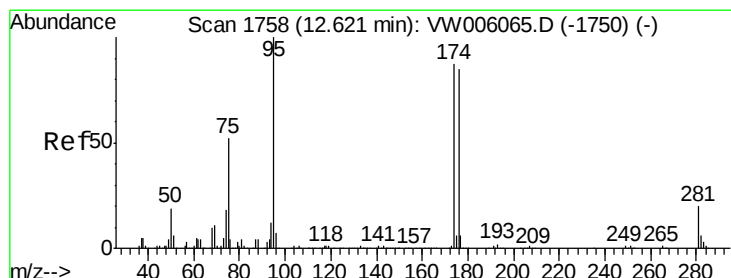
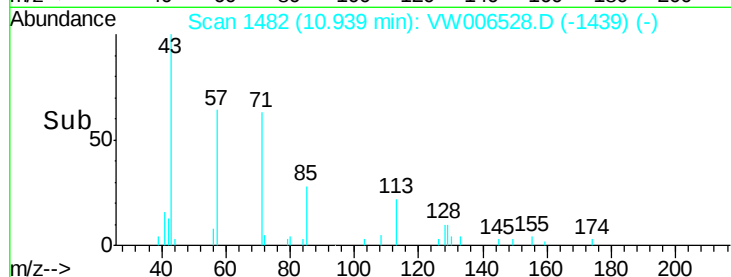
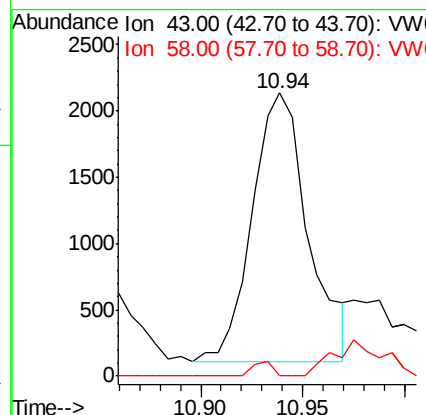
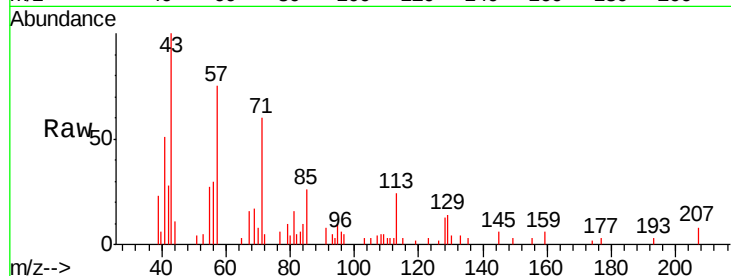




#59
2-Hexanone
Concen: 3.13 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.04 min
Lab File: VW006528.D
Acq: 31 Oct 2018 16:10

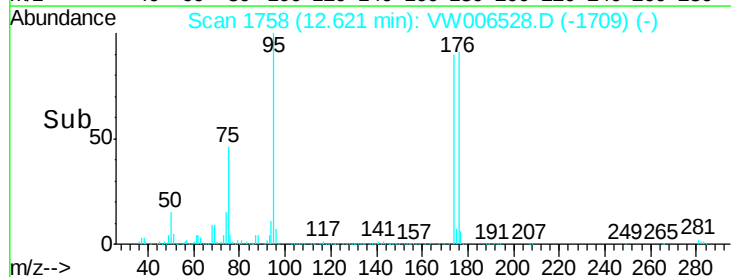
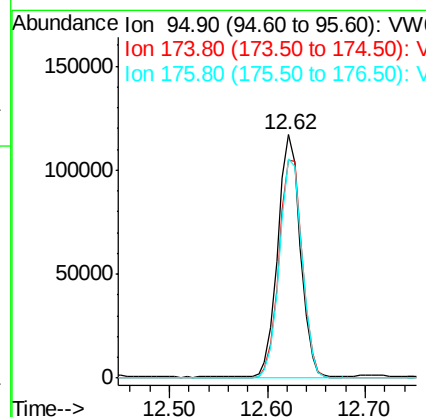
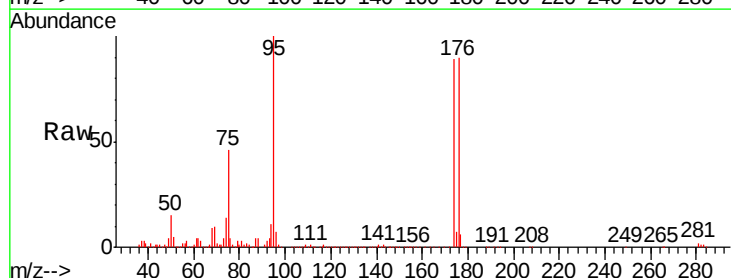
Instrument :
MSVOA_W
ClientSampleId :
SW2-02RE

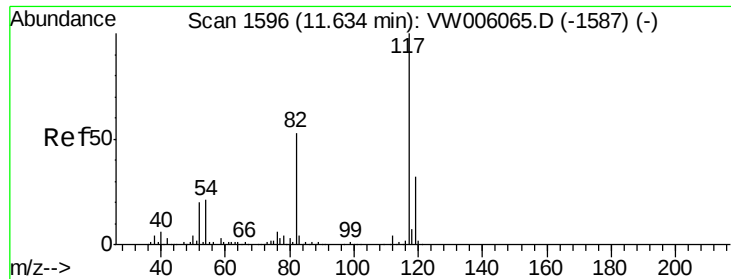
Tgt Ion: 43 Resp: 3850
Ion Ratio Lower Upper
43 100
58 1.9 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 45.25 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006528.D
Acq: 31 Oct 2018 16:10

Tgt Ion: 95 Resp: 187863
Ion Ratio Lower Upper
95 100
174 92.6 0.0 186.0
176 90.5 0.0 181.6

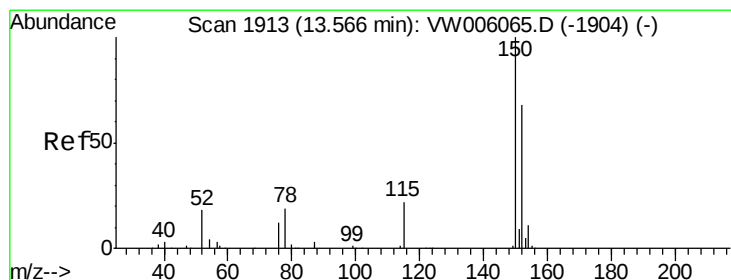
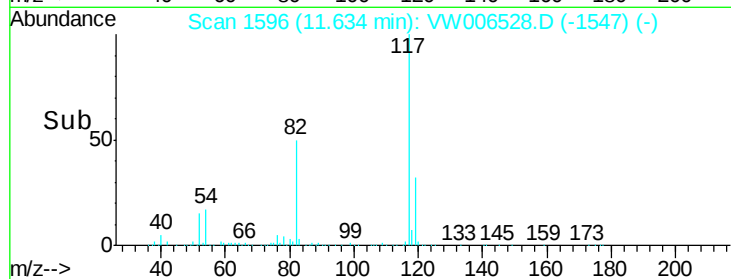
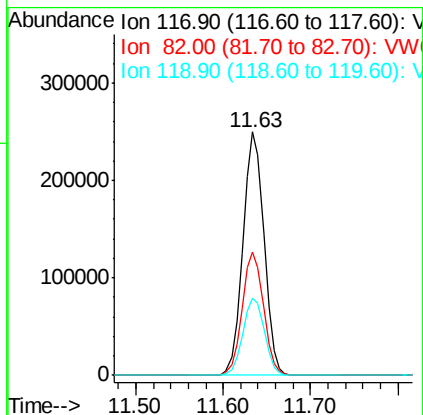
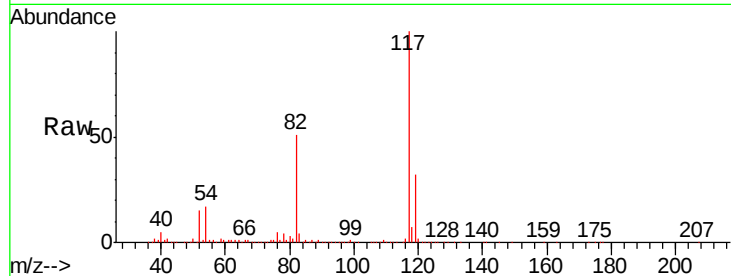




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006528.D
Acq: 31 Oct 2018 16:10

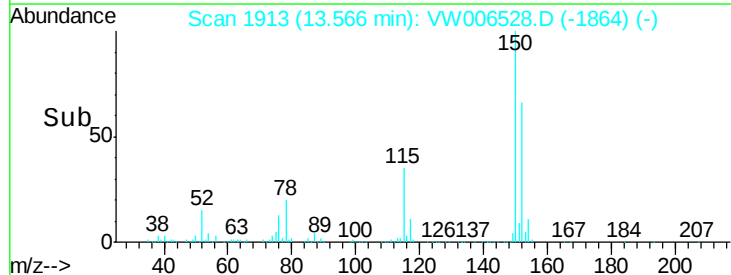
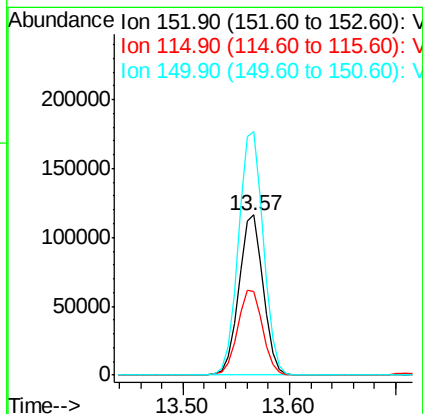
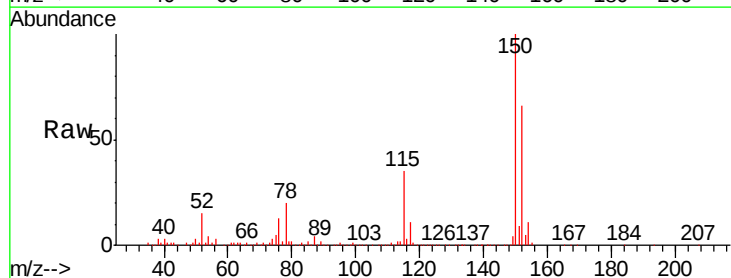
Instrument :
MSVOA_W
ClientSampleId :
SW2-02RE

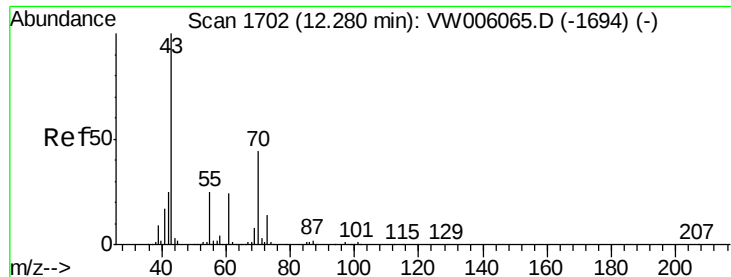
Tgt Ion:117 Resp: 416067
Ion Ratio Lower Upper
117 100
82 50.5 42.1 63.1
119 31.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006528.D
Acq: 31 Oct 2018 16:10

Tgt Ion:152 Resp: 186604
Ion Ratio Lower Upper
152 100
115 54.9 27.8 83.3
150 155.1 0.0 349.2





#74

N-ethyl acetate

Concen: 4.71 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.02 min

Lab File: VW006528.D

Acq: 31 Oct 2018 16:10

Instrument :

MSVOA_W

ClientSampled :

SW2-02RE

Tgt Ion: 43 Resp: 12066

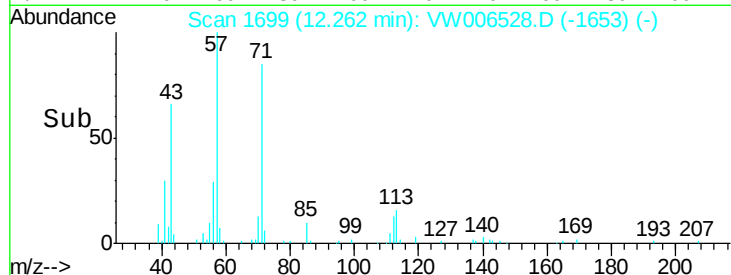
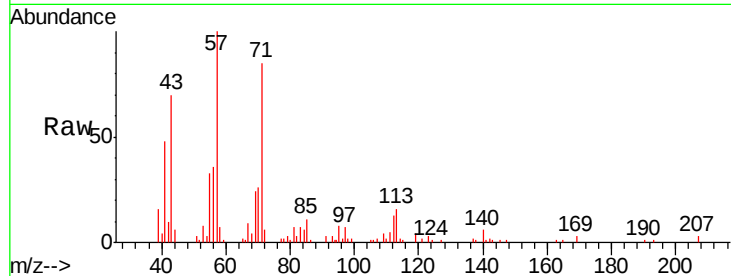
Ion Ratio Lower Upper

43 100

70 57.8 34.2 51.4#

55 0.0 19.2 28.8#

61 0.0 19.0 28.6#

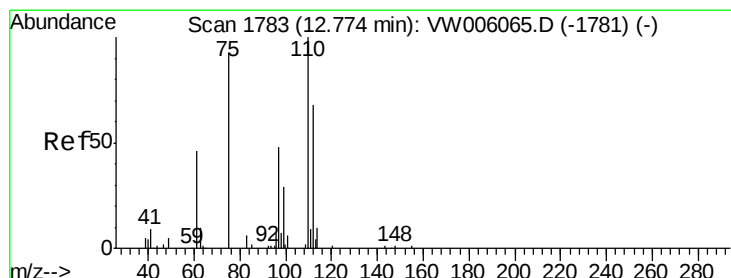
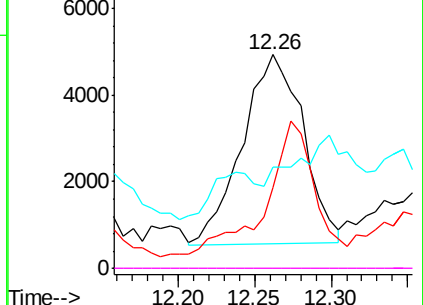


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 59.14 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006528.D

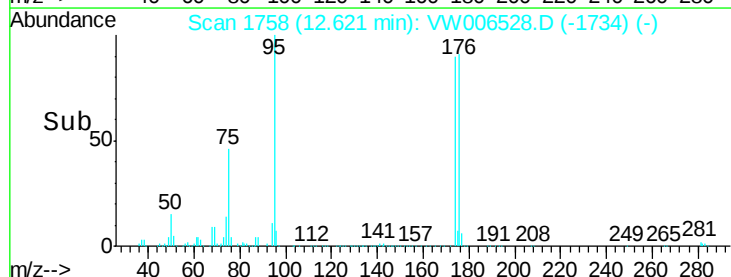
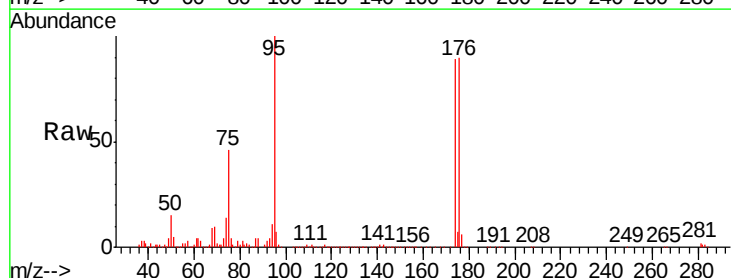
Acq: 31 Oct 2018 16:10

Tgt Ion: 75 Resp: 84287

Ion Ratio Lower Upper

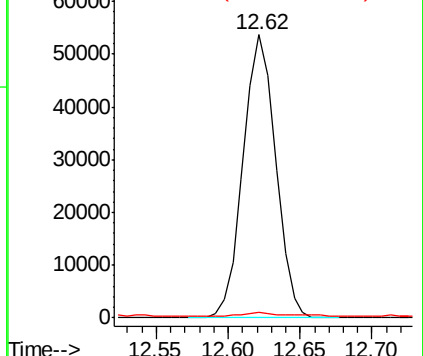
75 100

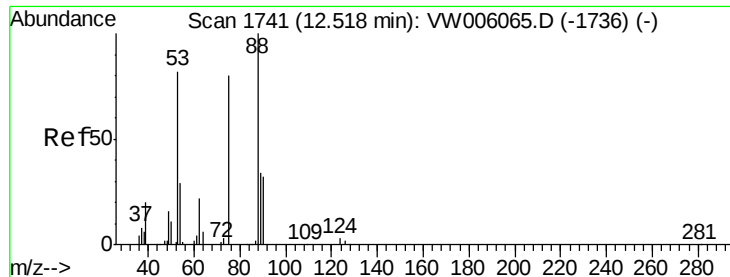
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

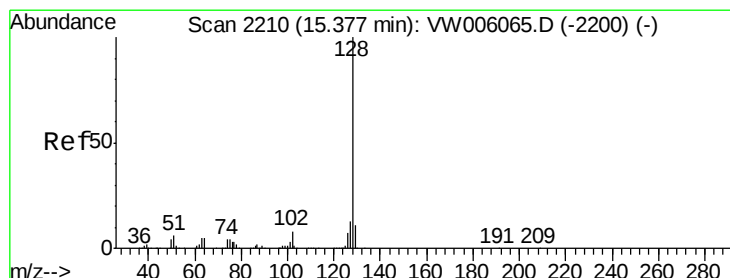
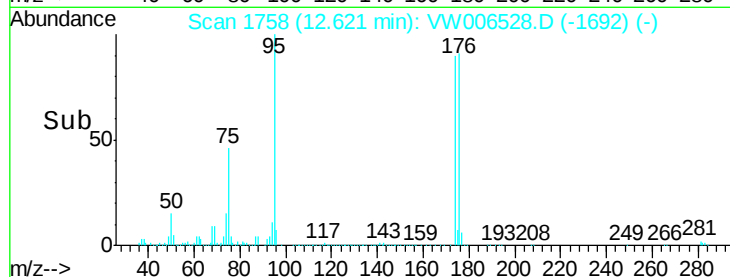
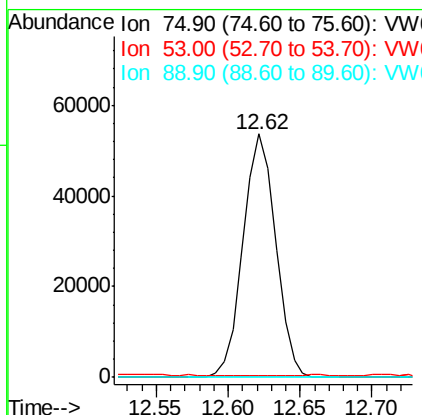
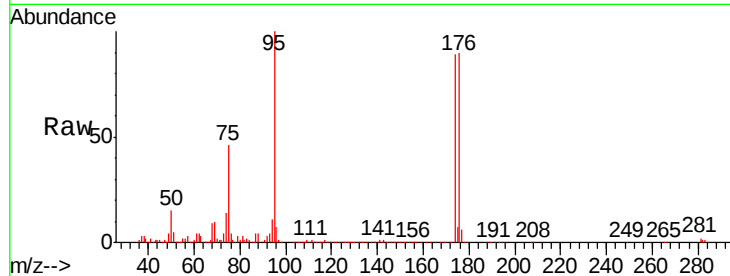




#81
trans-1,4-Dichloro-2-butene
Concen: 141.36 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW006528.D
Acq: 31 Oct 2018 16:10

Instrument :
MSVOA_W
ClientSampleId :
SW2-02RE

Tgt Ion: 75 Resp: 84287
Ion Ratio Lower Upper
75 100
53 0.3 79.8 119.6#
89 0.0 37.5 56.3#



#95
Naphthalene
Concen: 11.24 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006528.D
Acq: 31 Oct 2018 16:10

Tgt Ion: 128 Resp: 82473
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 12.1 8.7 13.1

