

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091018\
 Data File : VW005258.D
 Acq On : 10 Sep 2018 23:01
 Operator : SY/AP
 Sample : J4838-02
 Misc : 4.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1A-G-090718-2

Quant Time: Sep 11 03:53:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	435751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	662771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	588321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	221349	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	160154	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
35) Dibromofluoromethane	7.89	113	146732	42.26	ug/l	0.00
Spiked Amount			Recovery	=	84.52%	
50) Toluene-d8	10.33	98	617246	35.18	ug/l	0.00
Spiked Amount			Recovery	=	70.36%	
62) 4-Bromofluorobenzene	12.63	95	186651	29.09	ug/l	0.00
Spiked Amount			Recovery	=	58.18%	

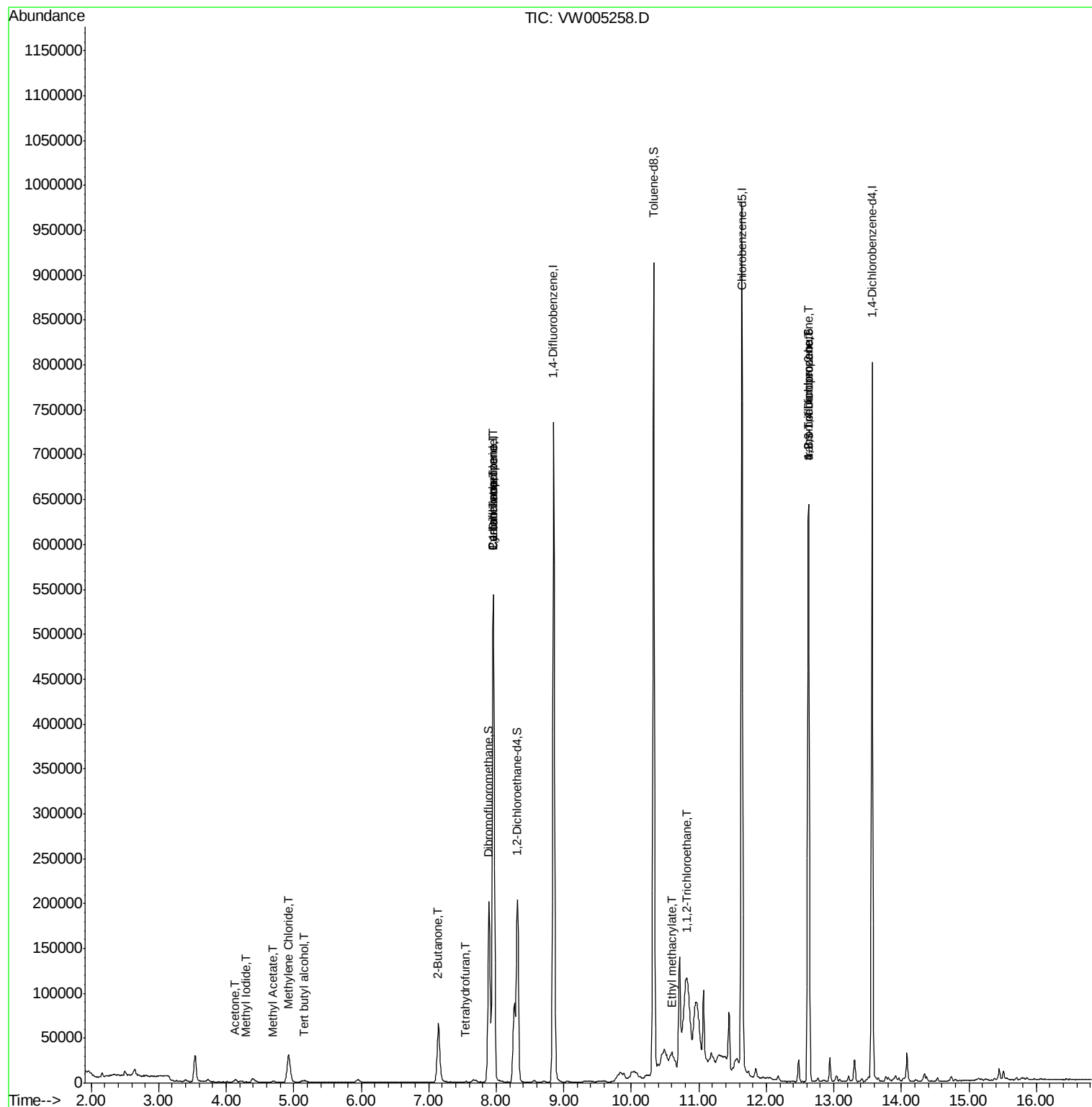
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	755	Below Cal	#	31
10) Methyl Iodide	4.29	142	645	3.456	ug/l #	49
11) Tert butyl alcohol	5.16	59	3486	13.079	ug/l #	78
16) Acetone	4.13	43	5070	8.404	ug/l	95
18) Methyl Acetate	4.69	43	2157	1.198	ug/l #	85
20) Methylene Chloride	4.92	84	25914	2.662	ug/l	99
25) 2-Butanone	7.15	43	3698	3.886	ug/l #	62
29) Tetrahydrofuran	7.54	42	689	1.074	ug/l #	39
31) Cyclohexane	7.96	56	8855	1.273	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	29869	4.919	ug/l #	48
38) Carbon Tetrachloride	7.96	117	38613	6.788	ug/l #	16
55) 1,1,2-Trichloroethane	10.82	97	19939	5.941	ug/l #	16
56) Ethyl methacrylate	10.60	69	20626	4.848	ug/l #	29
76) 1,2,3-Trichloropropane	12.63	75	86017	50.524	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	86017	118.489	ug/l #	16

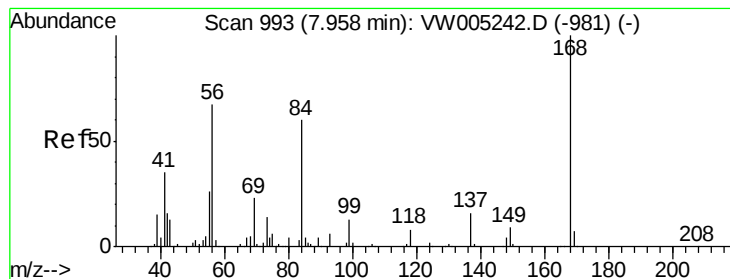
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005258.D

Acq: 10 Sep 2018 23:01

Instrument :

MSVOA_W

ClientSampleId :

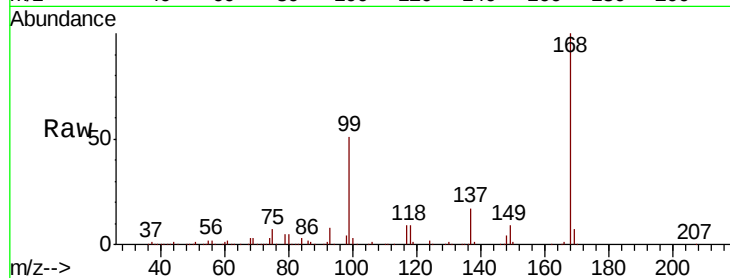
SUP-1A-G-090718-2

Tgt Ion:168 Resp: 435751

Ion Ratio Lower Upper

168 100

99 50.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

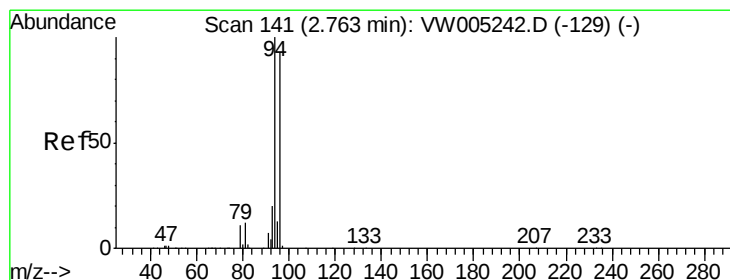
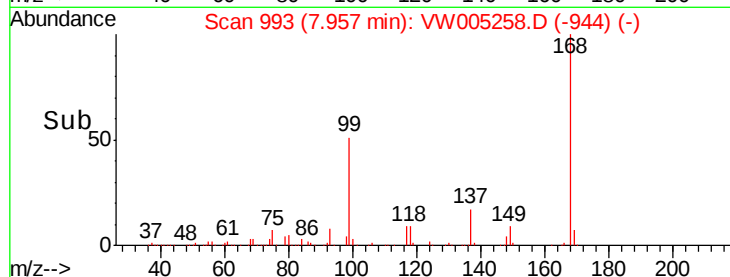
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.02 min

Lab File: VW005258.D

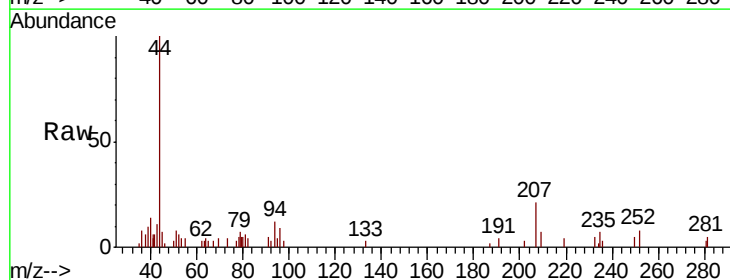
Acq: 10 Sep 2018 23:01

Tgt Ion: 94 Resp: 755

Ion Ratio Lower Upper

94 100

96 26.2 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

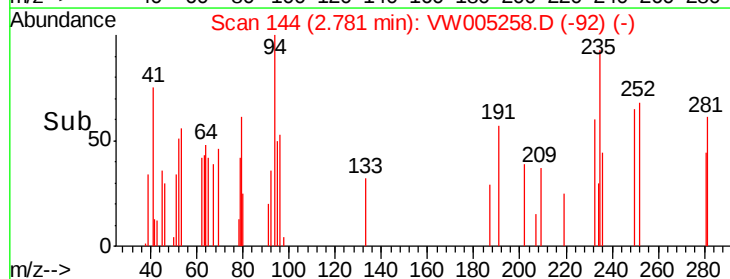
300

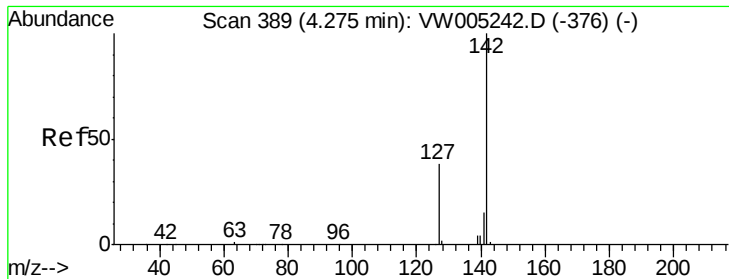
200

100

0

Time--> 2.70 2.75 2.80 2.85

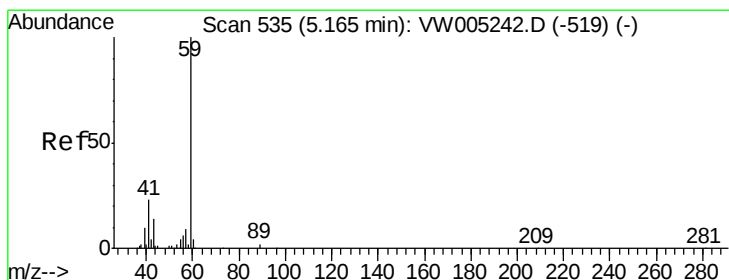
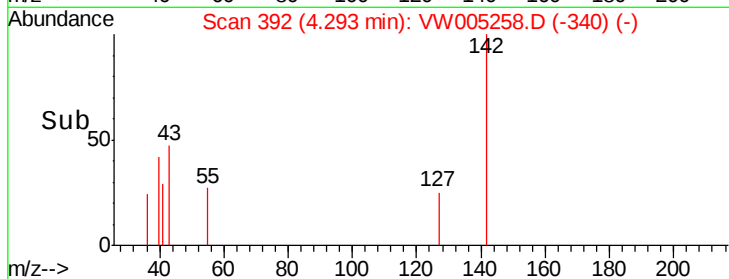
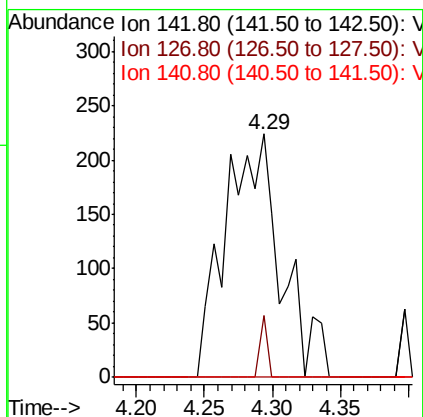
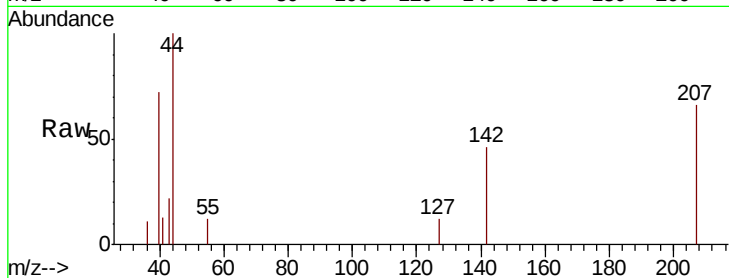




#10
Methyl Iodide
Concen: 3.456 ug/l
RT: 4.29 min Scan# 392
Delta R.T. 0.02 min
Lab File: VW005258.D
Acq: 10 Sep 2018 23:01

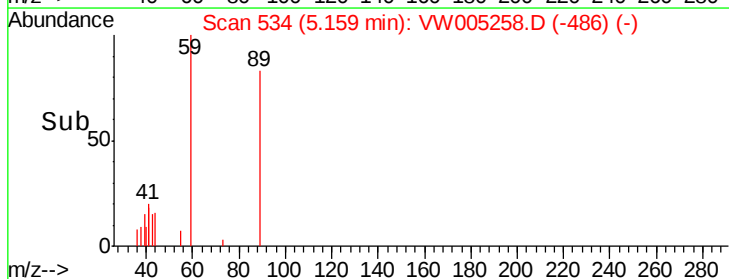
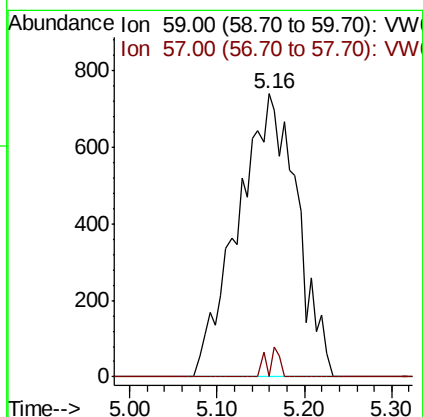
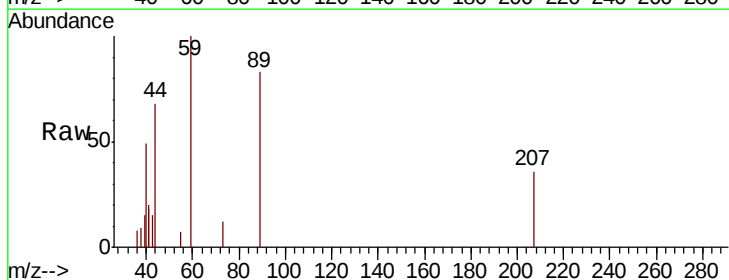
Instrument :
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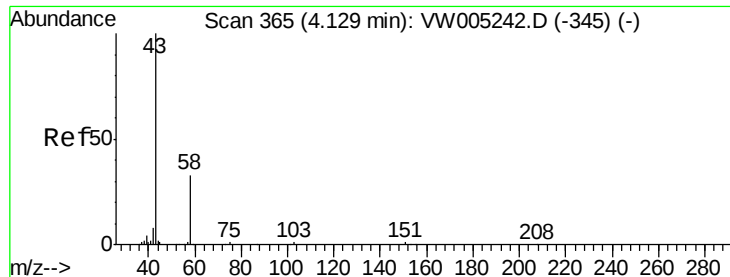
Tgt Ion: 142 Resp: 645
Ion Ratio Lower Upper
142 100
127 3.3 30.3 45.5#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 13.079 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW005258.D
Acq: 10 Sep 2018 23:01

Tgt Ion: 59 Resp: 3486
Ion Ratio Lower Upper
59 100
57 2.1 8.1 12.1#

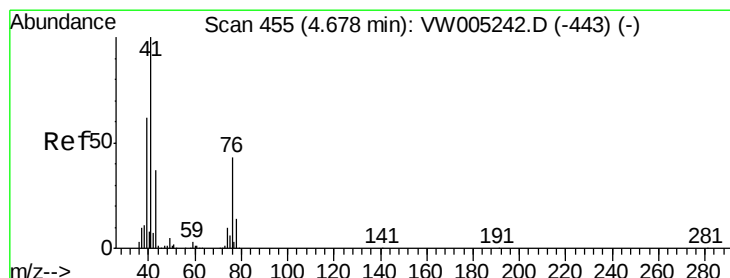
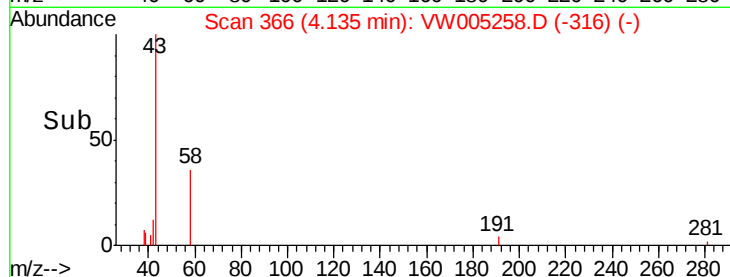
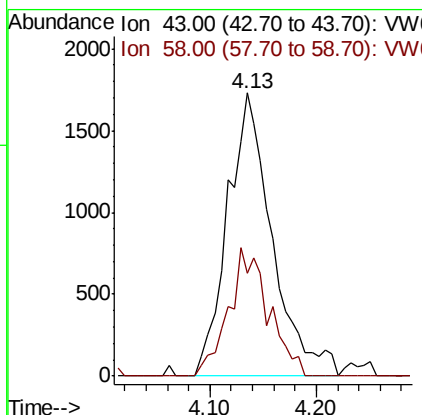
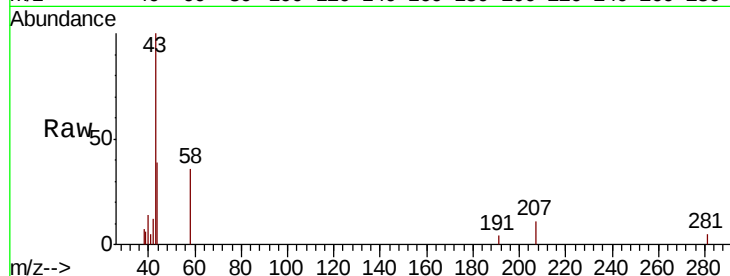




#16
Acetone
Concen: 8.404 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW005258.D
Acq: 10 Sep 2018 23:01

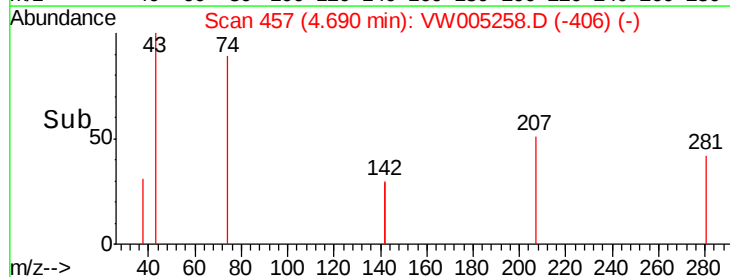
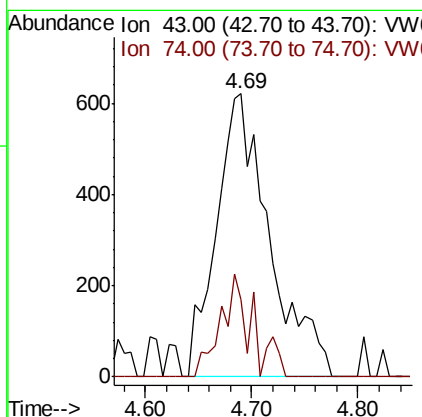
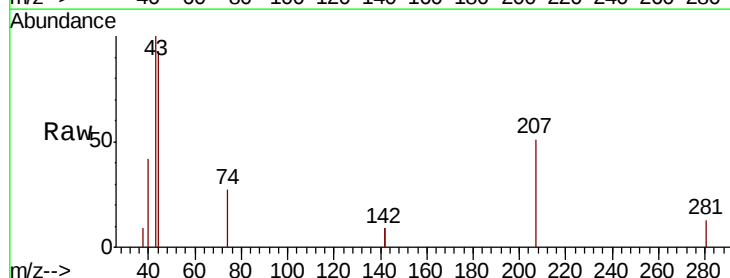
Instrument :
MSVOA_W
ClientSampleId :
SUP-1A-G-090718-2

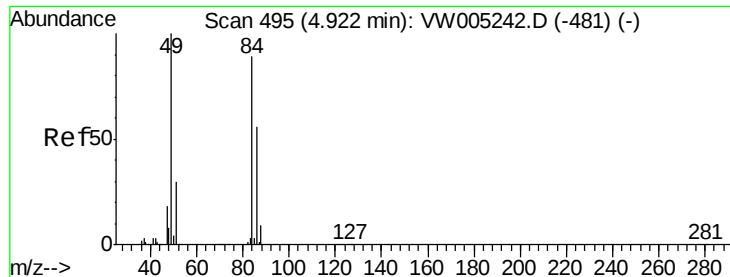
Tgt Ion: 43 Resp: 5070
Ion Ratio Lower Upper
43 100
58 36.2 26.7 40.1



#18
Methyl Acetate
Concen: 1.198 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW005258.D
Acq: 10 Sep 2018 23:01

Tgt Ion: 43 Resp: 2157
Ion Ratio Lower Upper
43 100
74 19.2 21.4 32.2#

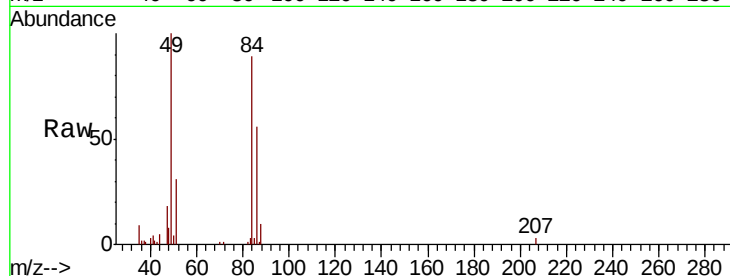




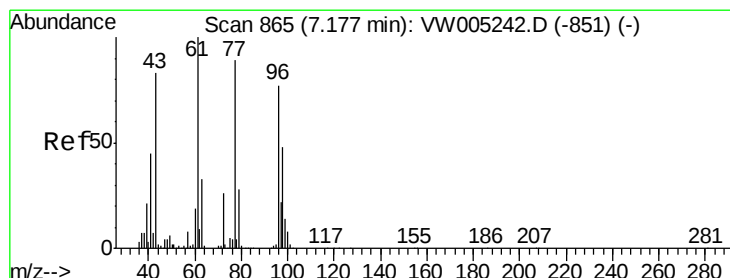
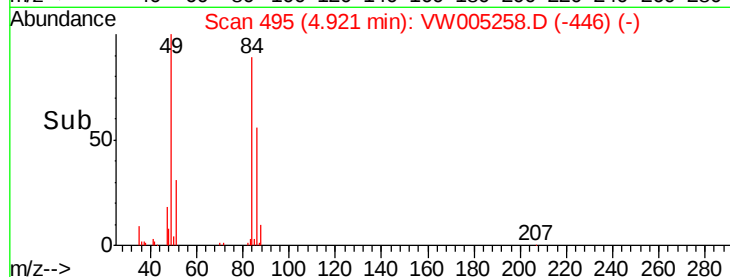
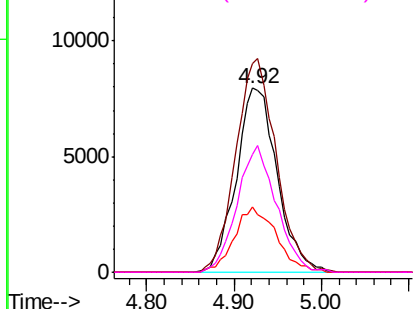
#20
Methylene Chloride
Concen: 2.662 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005258.D
Acq: 10 Sep 2018 23:01

Instrument :
MSVOA_W
ClientSampleId :
SUP-1A-G-090718-2

Tgt Ion:	84	Resp:	25914
Ion	Ratio	Lower	Upper
84	100		
49	112.9	90.3	135.5
51	35.3	26.9	40.3
86	63.6	50.8	76.2

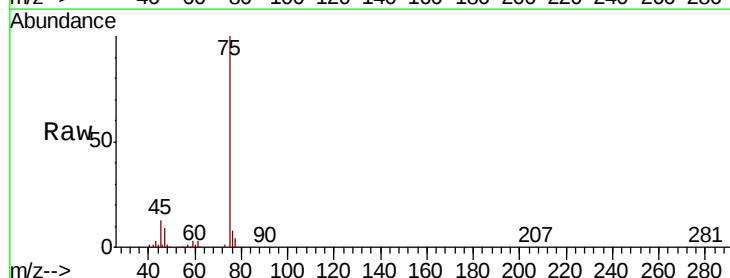


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

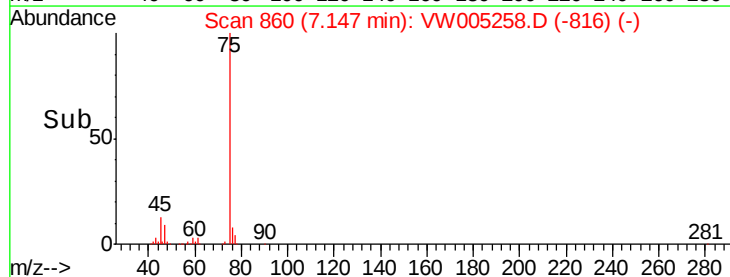
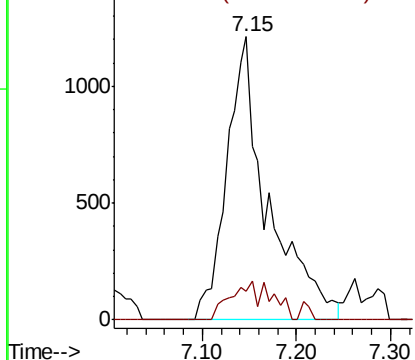


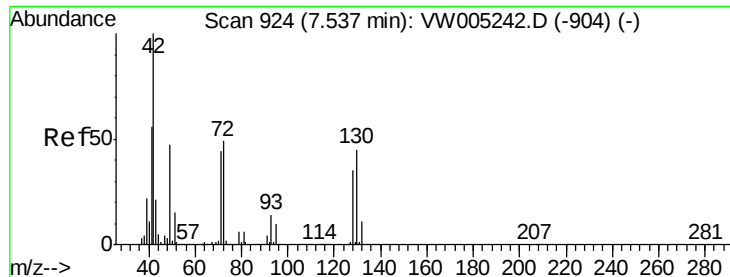
#25
2-Butanone
Concen: 3.886 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.03 min
Lab File: VW005258.D
Acq: 10 Sep 2018 23:01

Tgt Ion:	43	Resp:	3698
Ion	Ratio	Lower	Upper
43	100		
72	10.2	25.0	37.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

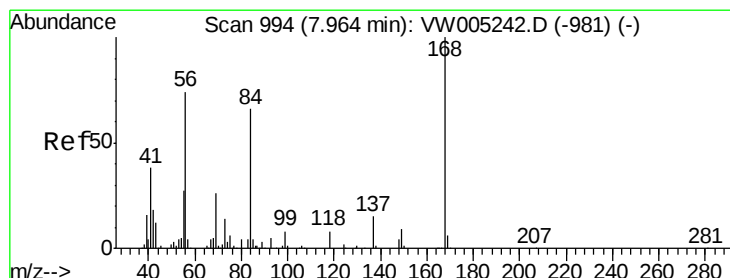
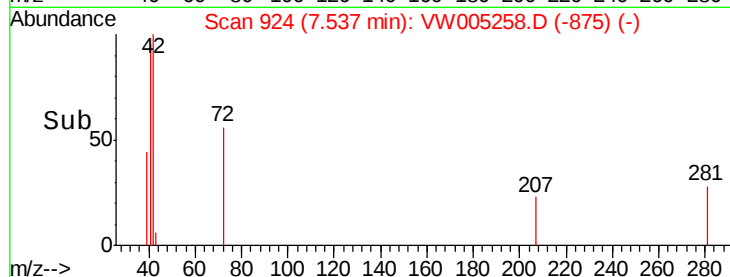
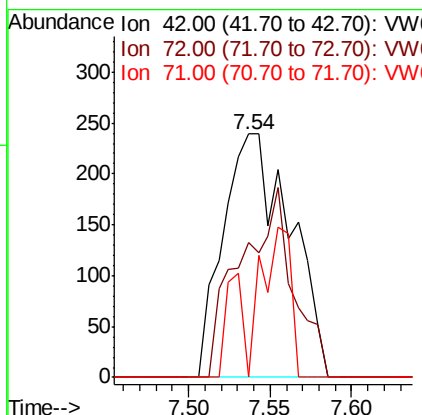
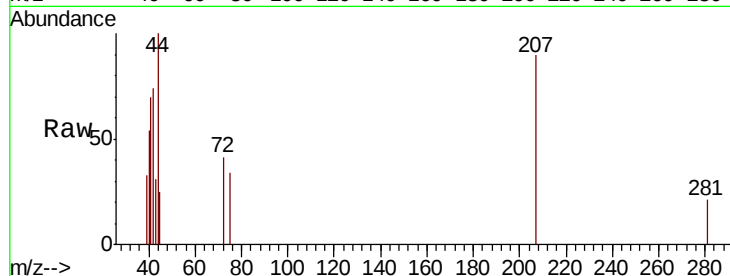




#29
Tetrahydrofuran
Concen: 1.074 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005258.D
Acq: 10 Sep 2018 23:01

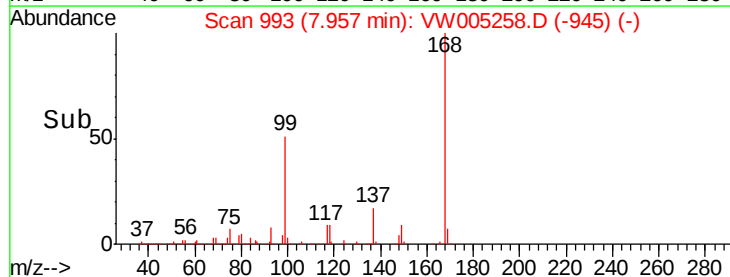
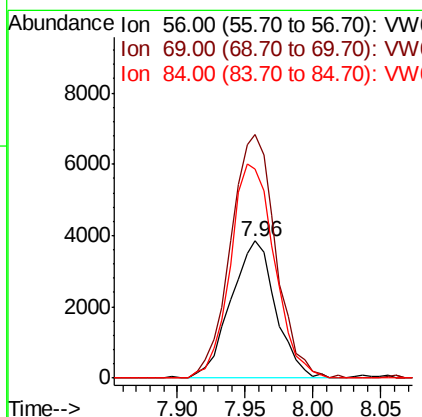
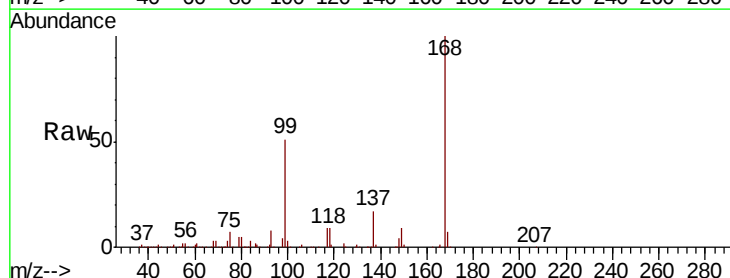
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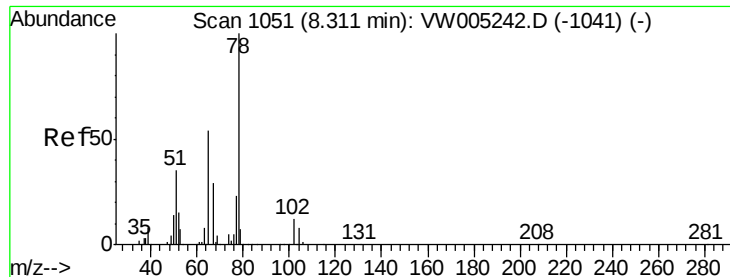
Tgt Ion: 42 Resp: 689
Ion Ratio Lower Upper
42 100
72 0.0 37.5 56.3#
71 10.4 34.8 52.2#



#31
Cyclohexane
Concen: 1.273 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005258.D
Acq: 10 Sep 2018 23:01

Tgt Ion: 56 Resp: 8855
Ion Ratio Lower Upper
56 100
69 178.0 27.8 41.8#
84 152.6 72.1 108.1#

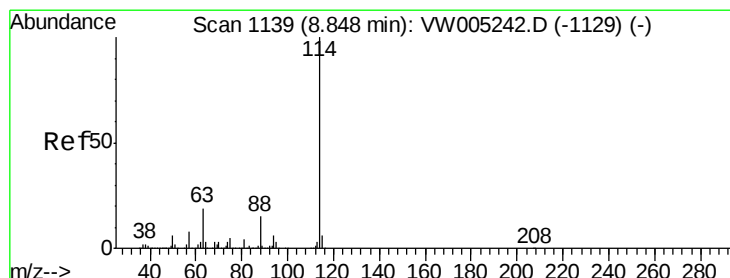
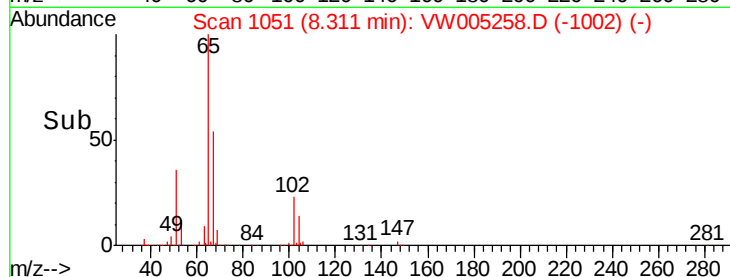
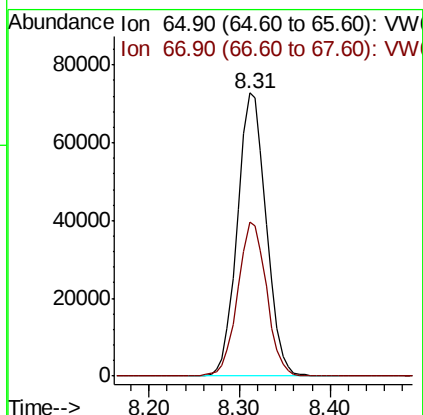
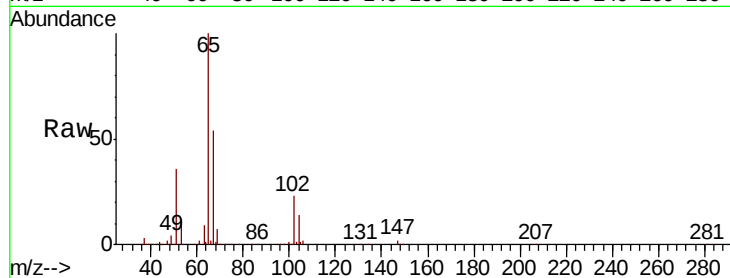




#33
 1,2-Dichloroethane-d4
 Concen: 49.277 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005258.D
 Acq: 10 Sep 2018 23:01

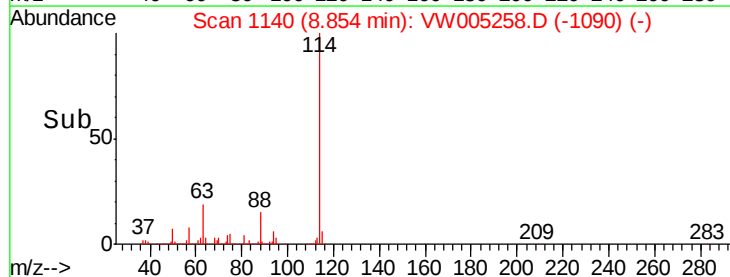
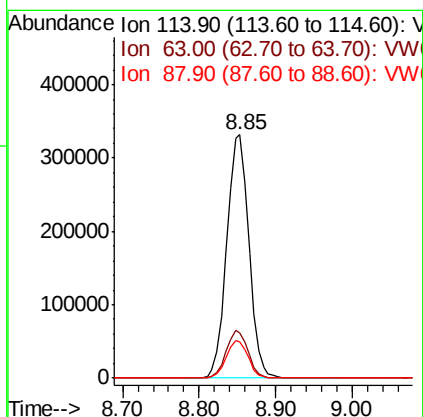
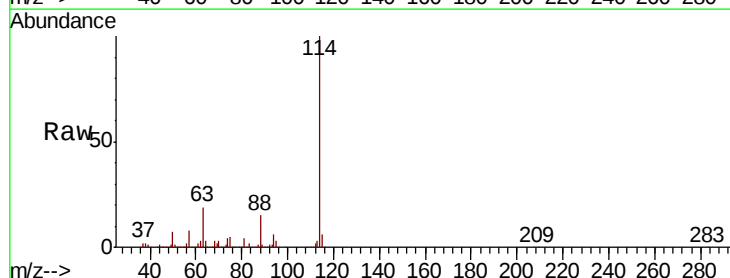
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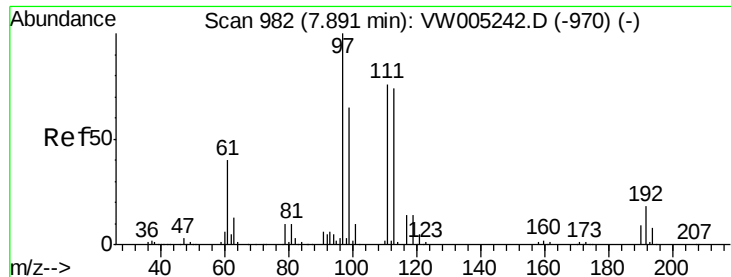
Tgt Ion: 65 Resp: 160154
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005258.D
 Acq: 10 Sep 2018 23:01

Tgt Ion: 114 Resp: 662771
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.0
 88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 42.264 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005258.D

Acq: 10 Sep 2018 23:01

Instrument :

MSVOA_W

ClientSampleId :

SUP-1A-G-090718-2

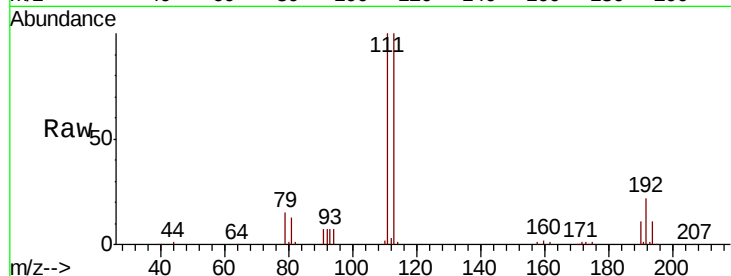
Tgt Ion:113 Resp: 146732

Ion Ratio Lower Upper

113 100

111 103.0 80.6 121.0

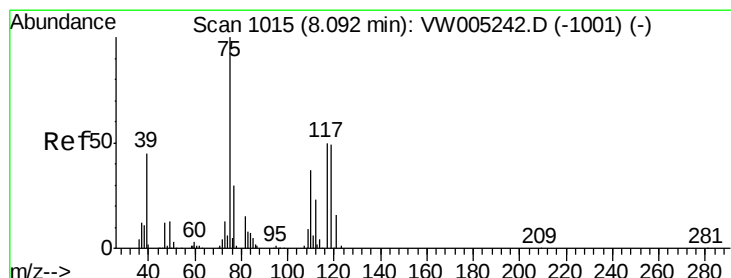
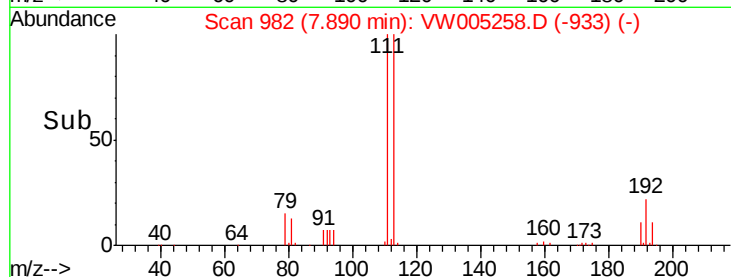
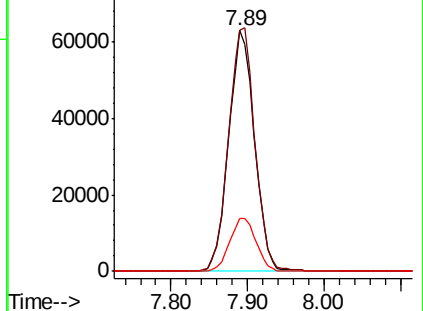
192 22.5 18.3 27.5



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: 4.919 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005258.D

Acq: 10 Sep 2018 23:01

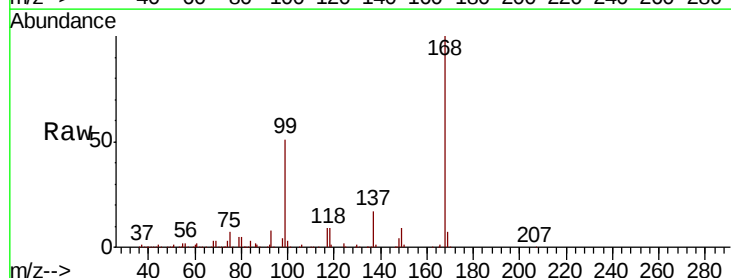
Tgt Ion: 75 Resp: 29869

Ion Ratio Lower Upper

75 100

110 9.1 18.8 56.4#

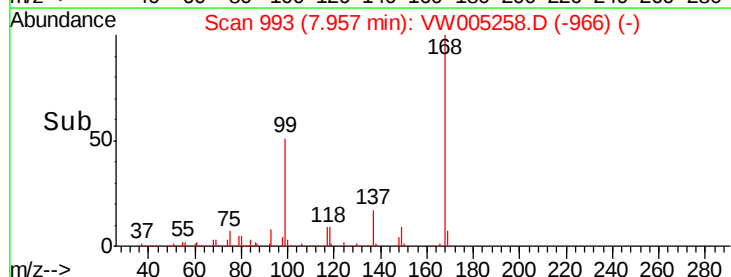
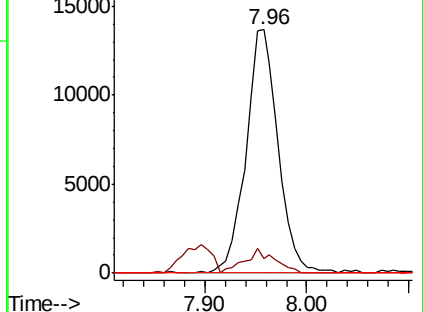
77 0.0 24.9 37.3#

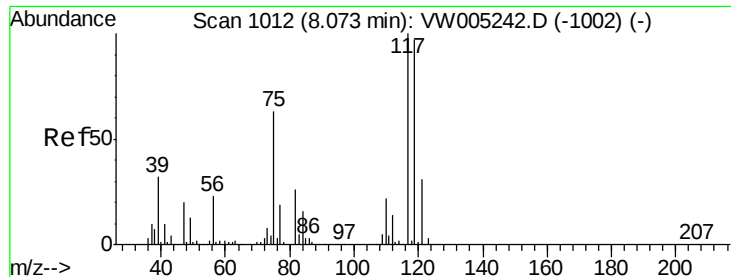


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.788 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005258.D

Acq: 10 Sep 2018 23:01

Instrument :

MSVOA_W

ClientSampleId :

SUP-1A-G-090718-2

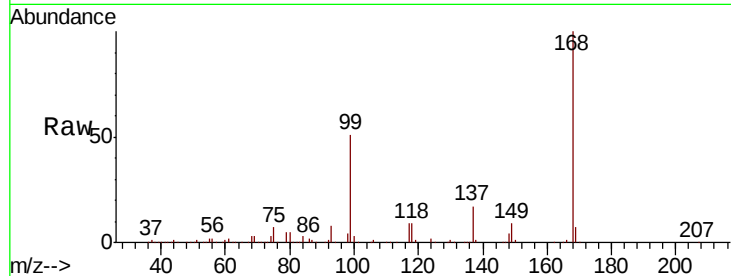
Tgt Ion:117 Resp: 38613

Ion Ratio Lower Upper

117 100

119 5.7 77.5 116.3#

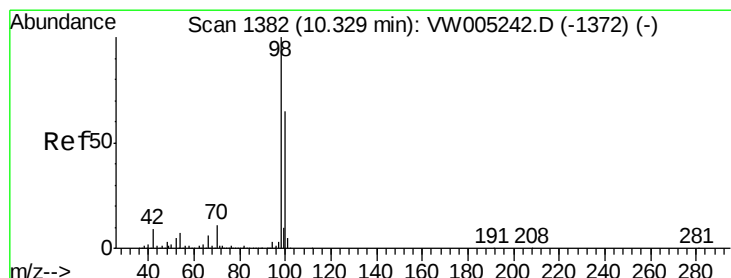
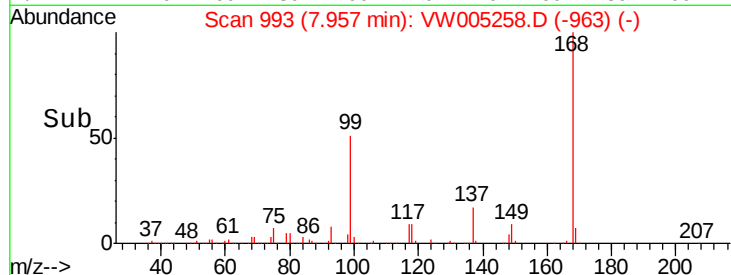
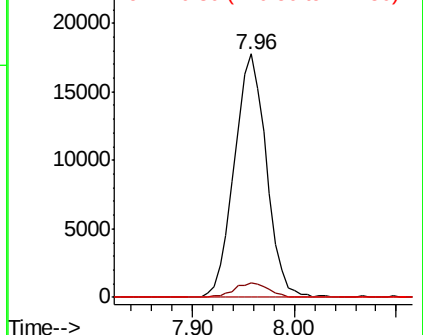
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 35.183 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005258.D

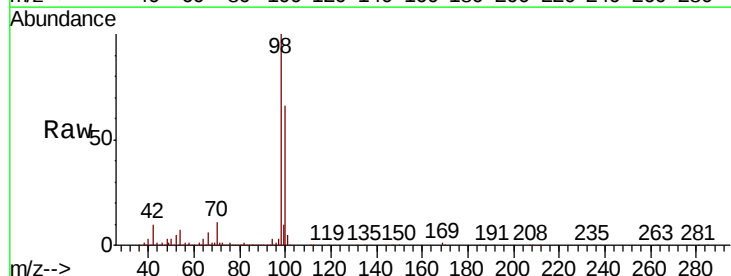
Acq: 10 Sep 2018 23:01

Tgt Ion: 98 Resp: 617246

Ion Ratio Lower Upper

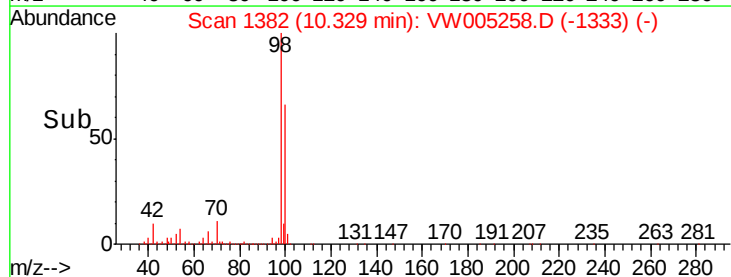
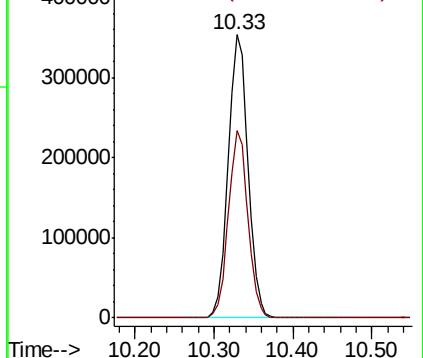
98 100

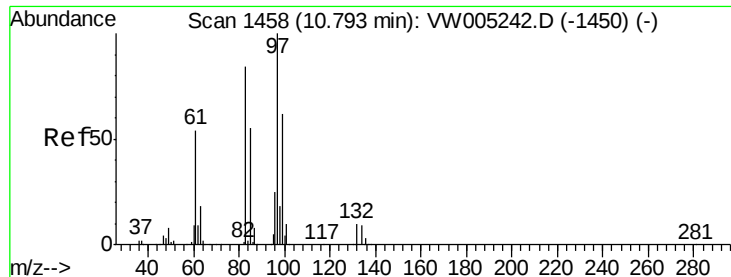
100 65.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

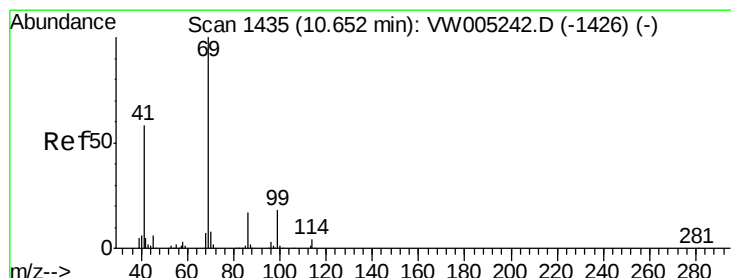
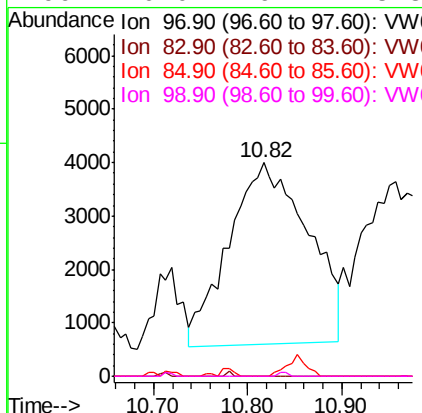
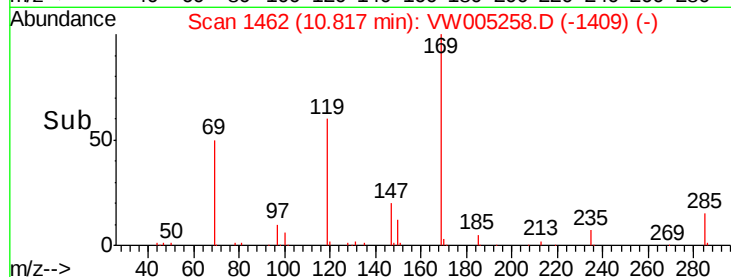
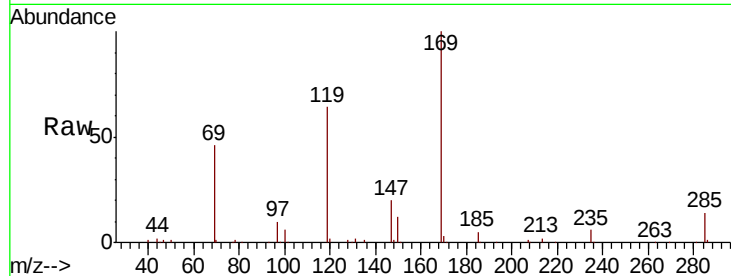




#55
 1,1,2-Trichloroethane
 Concen: 5.941 ug/l
 RT: 10.82 min Scan# 1462
 Delta R.T. 0.02 min
 Lab File: VW005258.D
 Acq: 10 Sep 2018 23:01

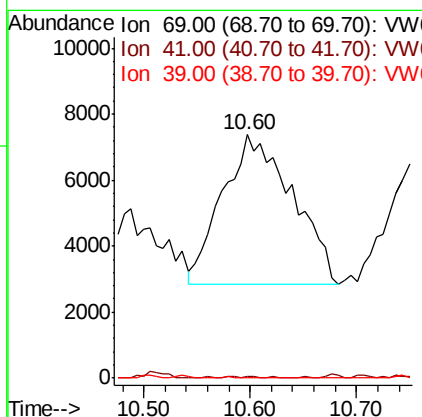
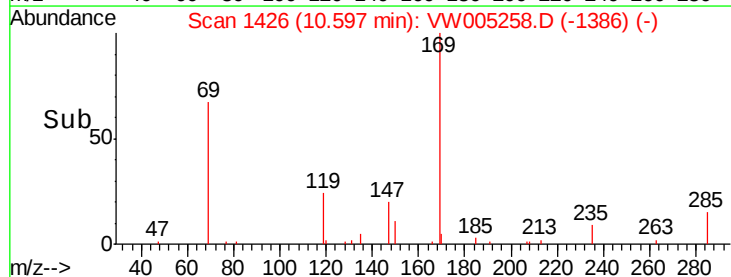
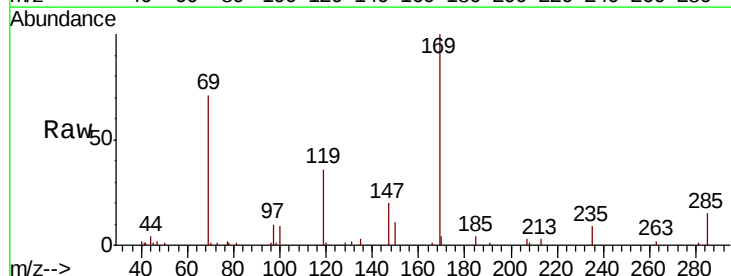
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1A-G-090718-2

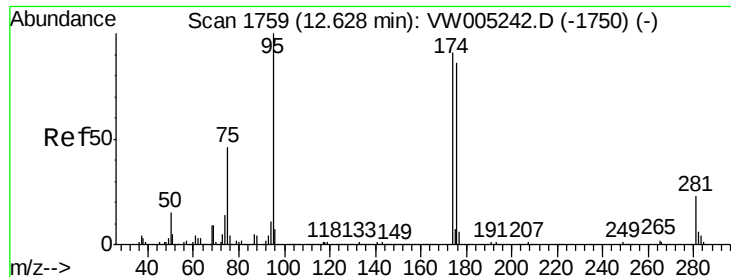
Tgt Ion	Resp	Lower	Upper
97	100		
83	0.0	67.2	100.8#
85	0.0	44.4	66.6#
99	0.0	49.2	73.8#



#56
 Ethyl methacrylate
 Concen: 4.848 ug/l
 RT: 10.60 min Scan# 1426
 Delta R.T. -0.06 min
 Lab File: VW005258.D
 Acq: 10 Sep 2018 23:01

Tgt Ion	Resp	Lower	Upper
69	100		
41	0.2	48.7	73.1#
39	0.0	20.9	31.3#





#62

4-Bromofluorobenzene

Concen: 29.087 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VW005258.D

Acq: 10 Sep 2018 23:01

Instrument :

MSVOA_W

ClientSampleId :

SUP-1A-G-090718-2

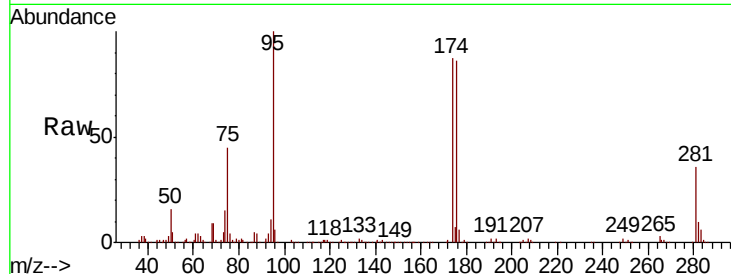
Tgt Ion: 95 Resp: 186651

Ion Ratio Lower Upper

95 100

174 86.1 0.0 174.6

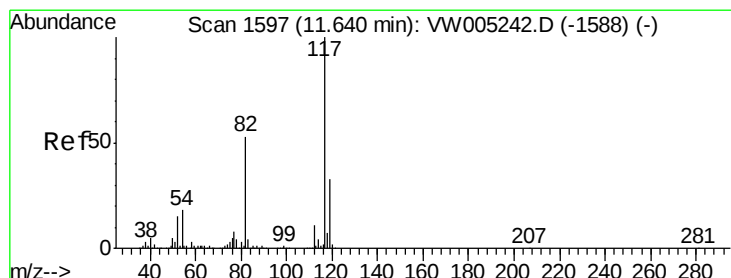
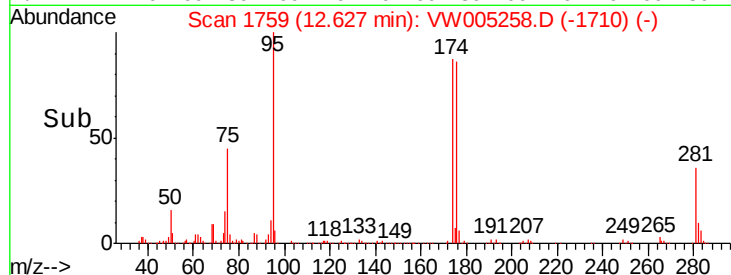
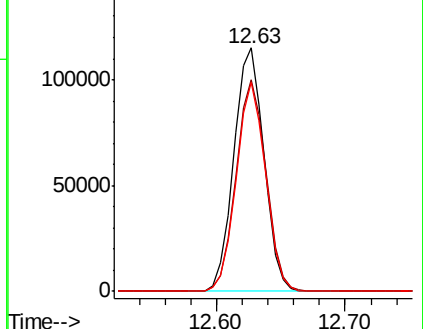
176 83.5 0.0 167.6



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: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005258.D

Acq: 10 Sep 2018 23:01

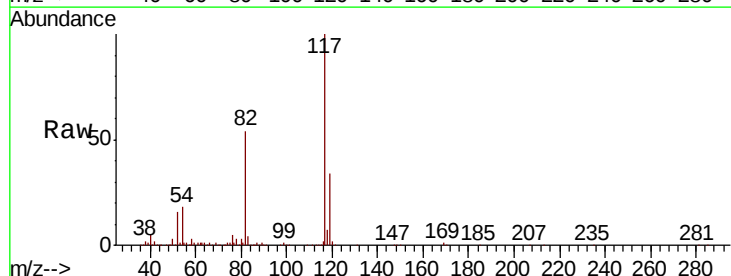
Tgt Ion: 117 Resp: 588321

Ion Ratio Lower Upper

117 100

82 54.4 42.6 63.8

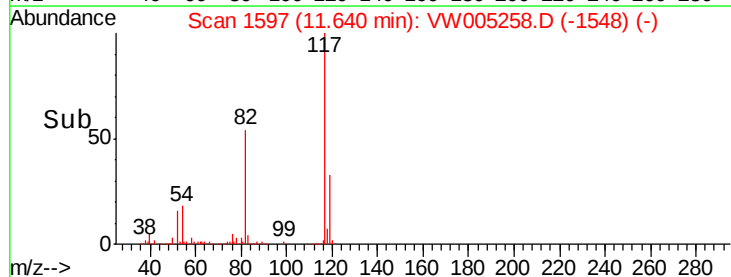
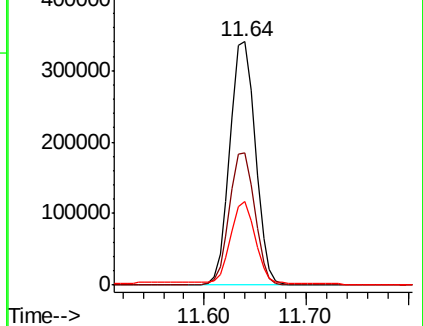
119 33.7 26.2 39.4

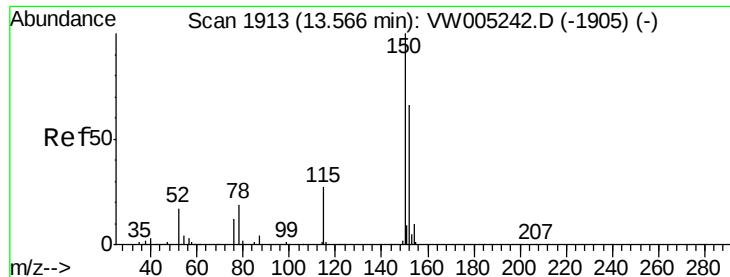


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



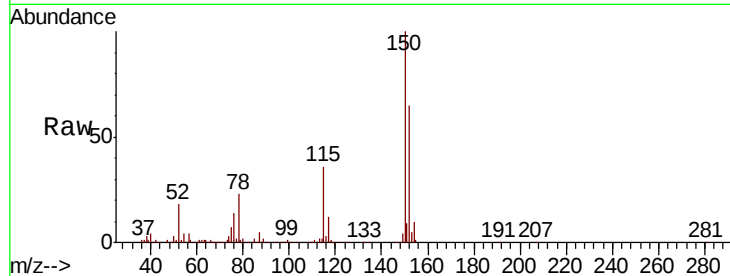


#72

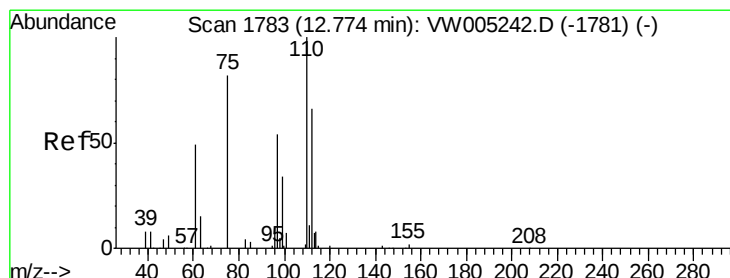
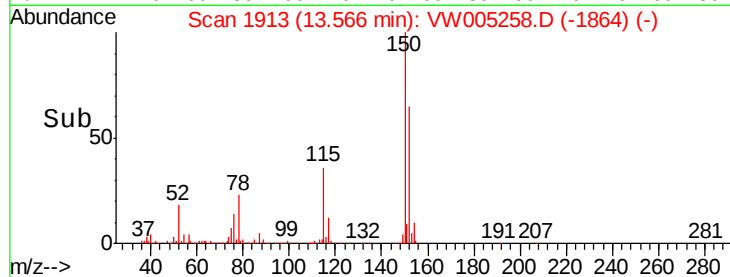
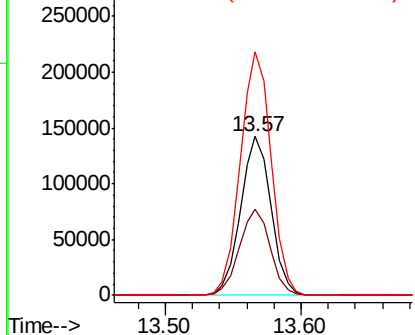
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005258.D
Acq: 10 Sep 2018 23:01

Instrument :
MSVOA_W
ClientSampleId :
SUP-1A-G-090718-2

Tgt Ion: 152 Resp: 221349
Ion Ratio Lower Upper
152 100
115 55.3 27.5 82.4
150 156.1 0.0 347.4



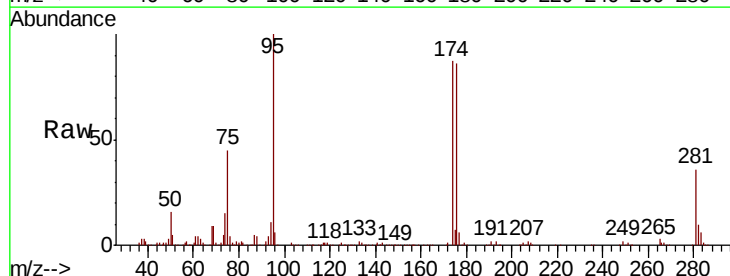
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



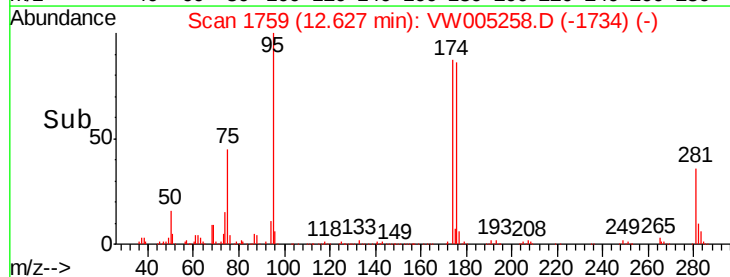
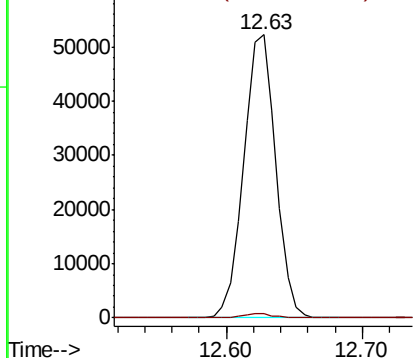
#76

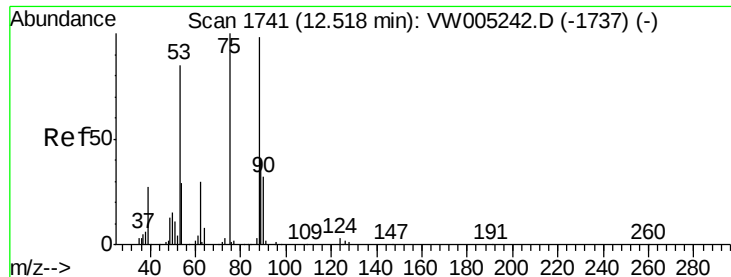
1,2,3-Trichloropropane
Concen: 50.524 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.15 min
Lab File: VW005258.D
Acq: 10 Sep 2018 23:01

Tgt Ion: 75 Resp: 86017
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: 118.489 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005258.D

Acq: 10 Sep 2018 23:01

Instrument :

MSVOA_W

ClientSampleId :

SUP-1A-G-090718-2

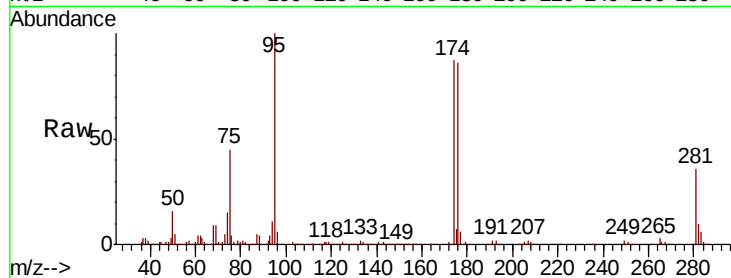
Tgt Ion: 75 Resp: 86017

Ion Ratio Lower Upper

75 100

53 0.1 67.0 100.6#

89 0.5 37.0 55.4#



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

