

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005700.D
 Acq On : 27 Sep 2018 15:17
 Operator : VA/AP
 Sample : J5099-01RE
 Misc : 5.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 7211975RE

Quant Time: Sep 28 01:21:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	39931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	50007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	39376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	16367	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	15766	33.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	67.04%	
35) Dibromofluoromethane	7.89	113	13671	43.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.94%	
50) Toluene-d8	10.33	98	53672	41.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.84%	
62) 4-Bromofluorobenzene	12.62	95	14494	30.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	61.18%	

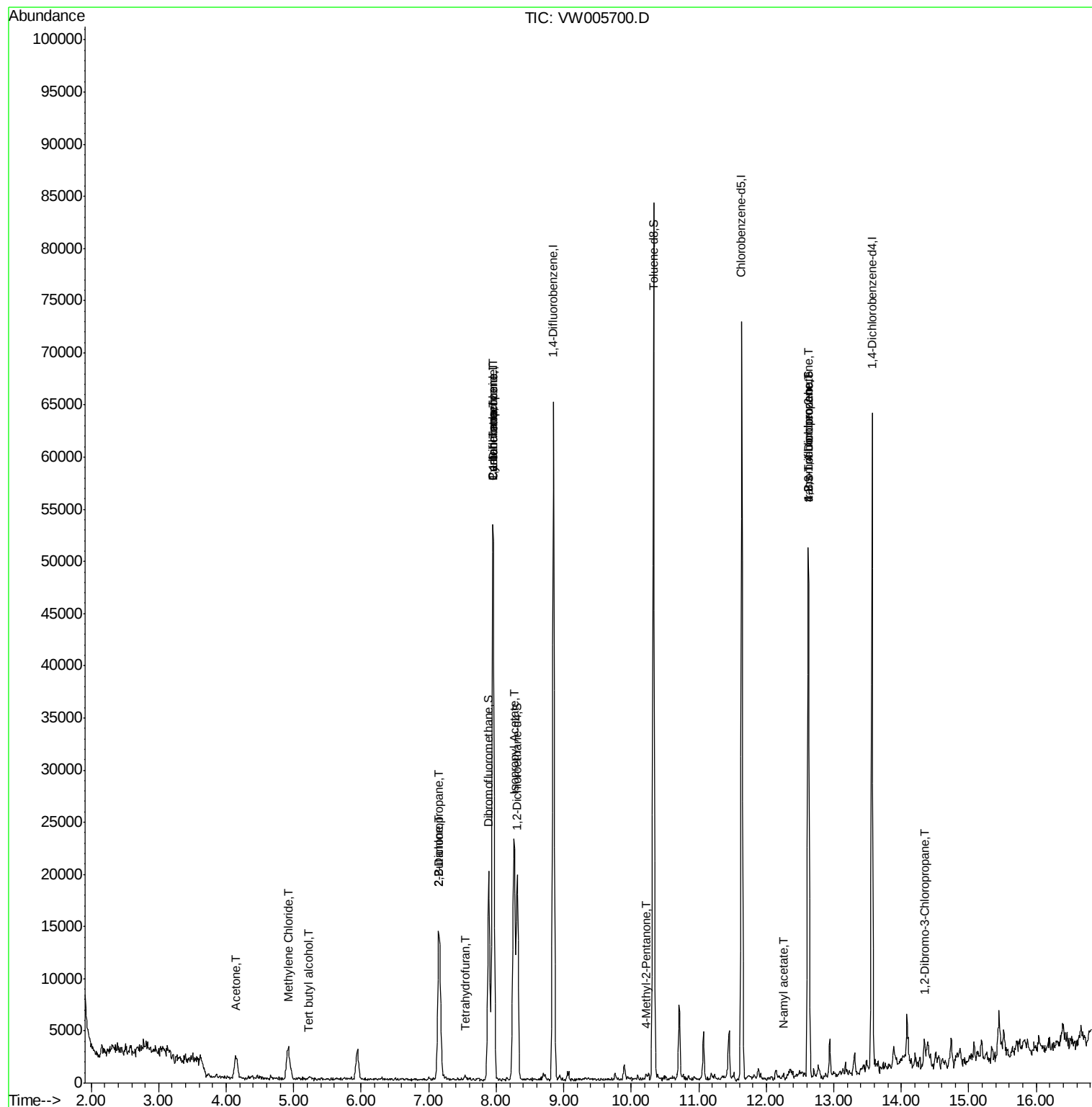
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	41	Below Cal	#	41
11) Tert butyl alcohol	5.22	59	425	15.271	ug/l #	72
16) Acetone	4.14	43	4639	55.383	ug/l #	88
20) Methylene Chloride	4.92	84	2602	2.531	ug/l	97
25) 2-Butanone	7.15	43	688	6.022	ug/l #	50
26) 2,2-Dichloropropane	7.15	77	978	1.840	ug/l #	54
29) Tetrahydrofuran	7.54	42	110	1.541	ug/l #	52
31) Cyclohexane	7.96	56	950	1.303	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	3120	6.198	ug/l #	47
38) Carbon Tetrachloride	7.95	117	4179	7.747	ug/l #	16
43) Isopropyl Acetate	8.26	43	740	1.777	ug/l #	18
51) 4-Methyl-2-Pentanone	10.22	43	415	1.978	ug/l #	51
74) N-amyl acetate	12.26	43	281	1.093	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	7654	54.860	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	7654	123.562	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.34	75	101	2.812	ug/l #	4

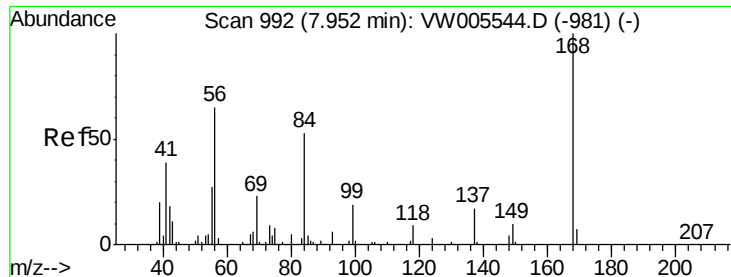
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
Data File : VW005700.D
Acq On : 27 Sep 2018 15:17
Operator : VA/AP
Sample : J5099-01RE
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
7211975RE

Quant Time: Sep 28 01:21:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005700.D

Acq: 27 Sep 2018 15:17

Instrument :

MSVOA_W

ClientSampleId :

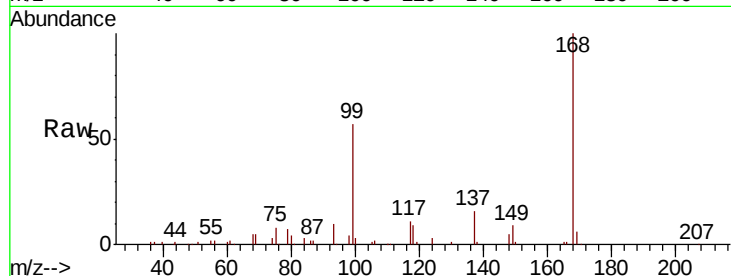
7211975RE

Tgt Ion:168 Resp: 39931

Ion Ratio Lower Upper

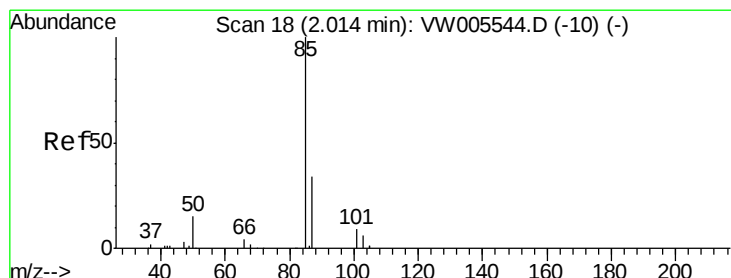
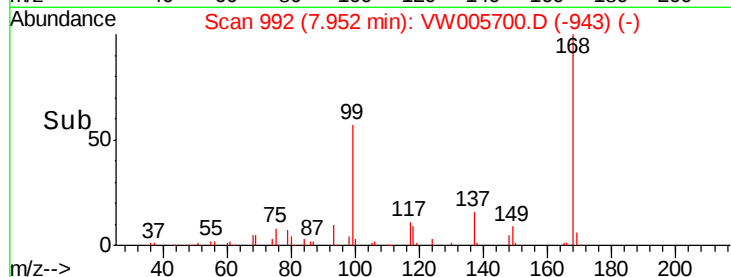
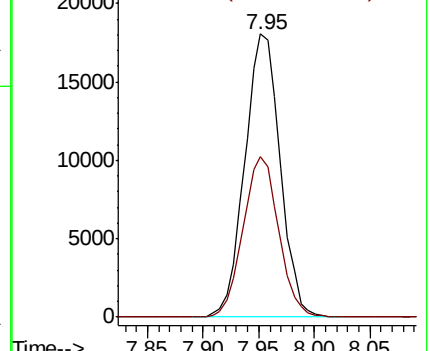
168 100

99 56.6 48.4 72.6



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: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005700.D

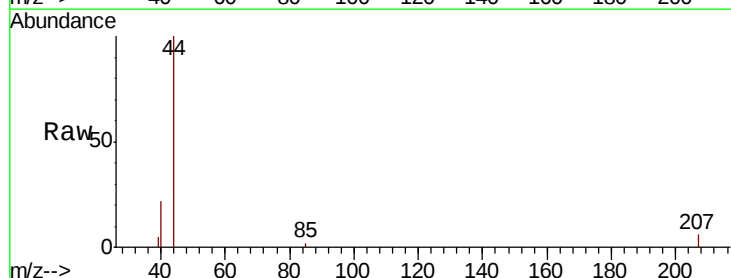
Acq: 27 Sep 2018 15:17

Tgt Ion: 85 Resp: 41

Ion Ratio Lower Upper

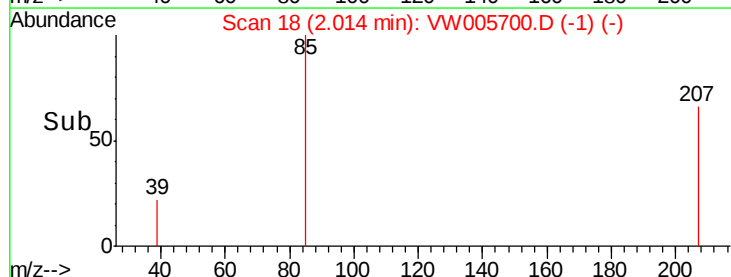
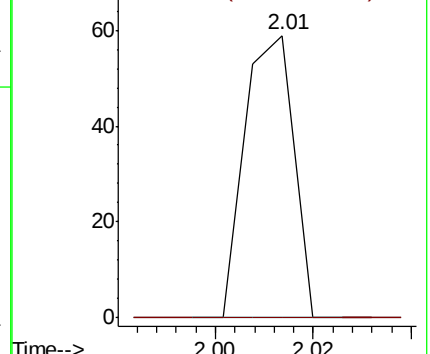
85 100

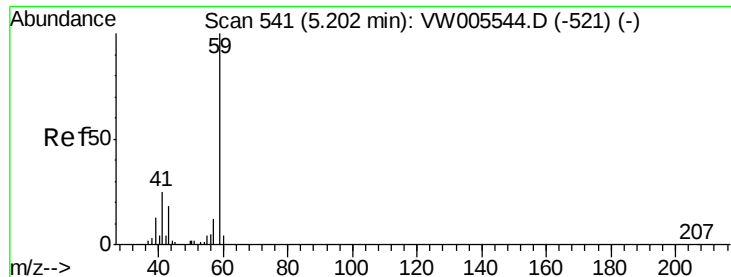
87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



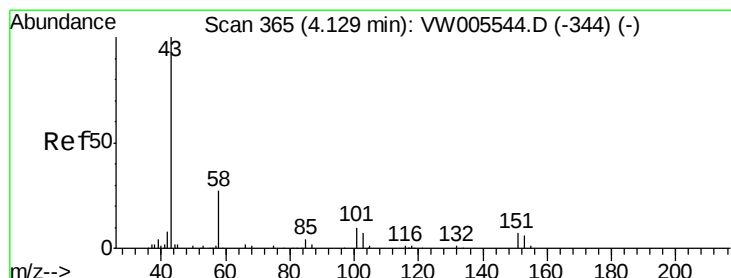
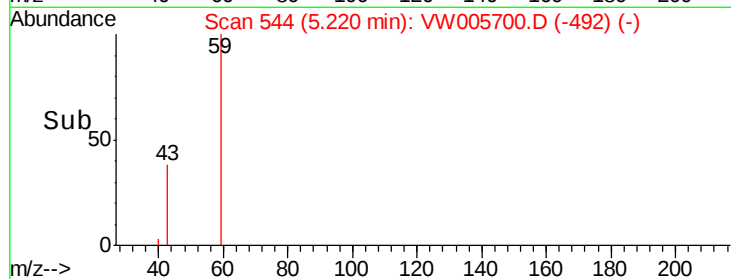
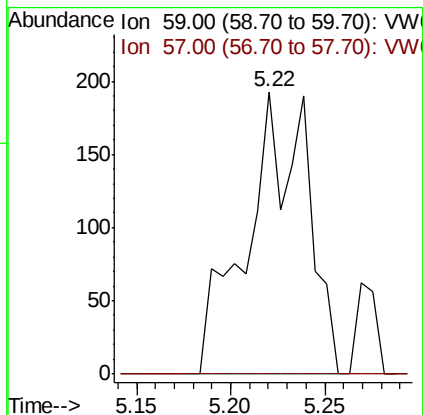
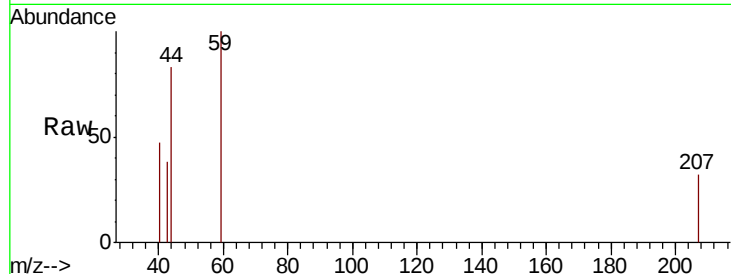


#11

Tert butyl alcohol
 Concen: 15.271 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.02 min
 Lab File: VW005700.D
 Acq: 27 Sep 2018 15:17

Instrument :
 MSVOA_W
 ClientSampled :
 7211975RE

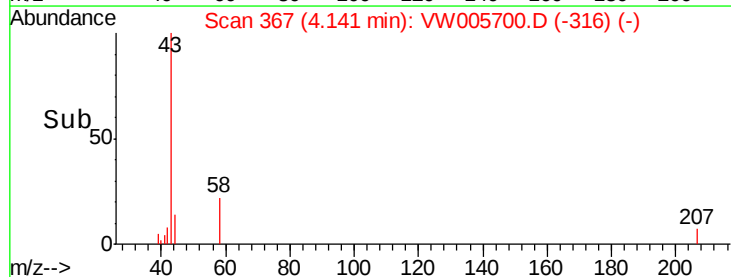
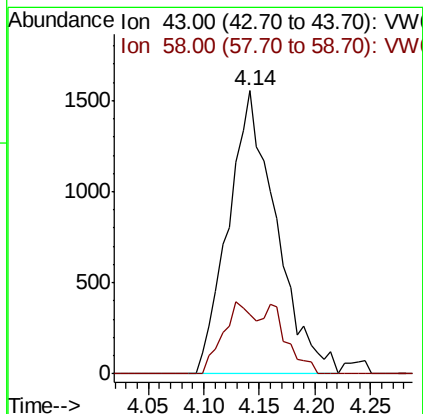
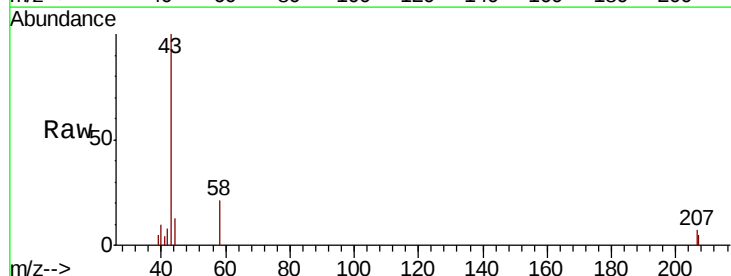
Tgt Ion: 59 Resp: 425
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

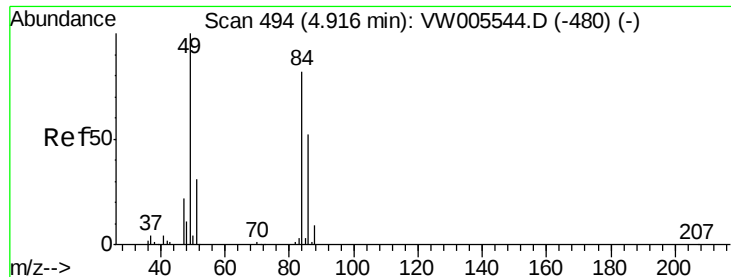


#16

Acetone
 Concen: 55.383 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VW005700.D
 Acq: 27 Sep 2018 15:17

Tgt Ion: 43 Resp: 4639
 Ion Ratio Lower Upper
 43 100
 58 20.9 21.8 32.8#



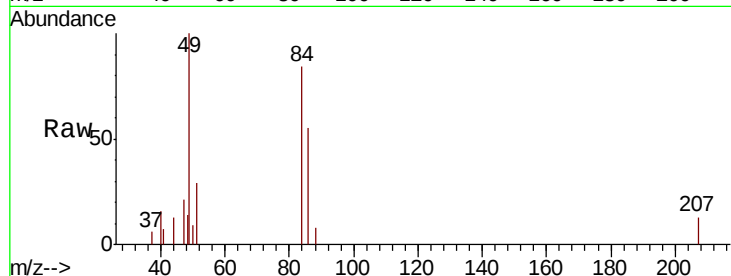


#20
Methylene Chloride
Concen: 2.531 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW005700.D
Acq: 27 Sep 2018 15:17

Instrument :
MSVOA_W
ClientSampleId :
7211975RE

Tgt Ion: 84 Resp: 2602

Ion	Ratio	Lower	Upper
84	100		
49	119.6	97.0	145.6
51	34.1	30.2	45.2
86	65.4	50.2	75.4



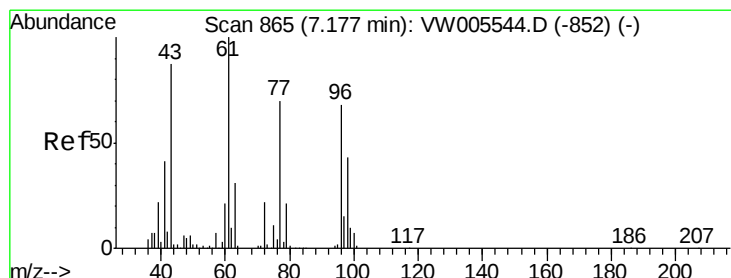
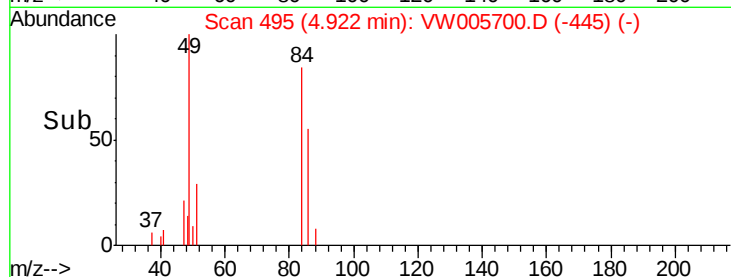
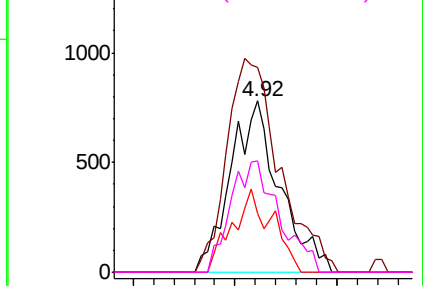
Abundance

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

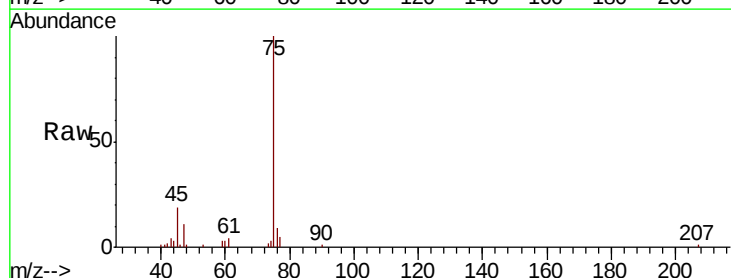
Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 6.022 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW005700.D
Acq: 27 Sep 2018 15:17

Tgt Ion: 43 Resp: 688

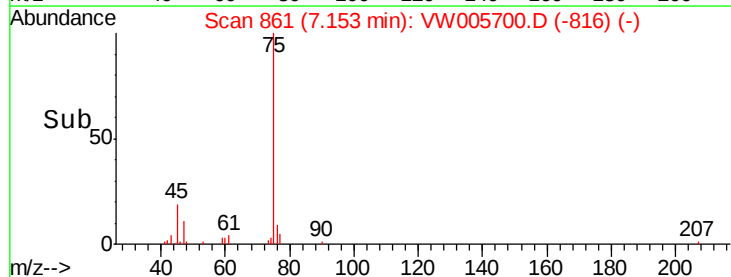
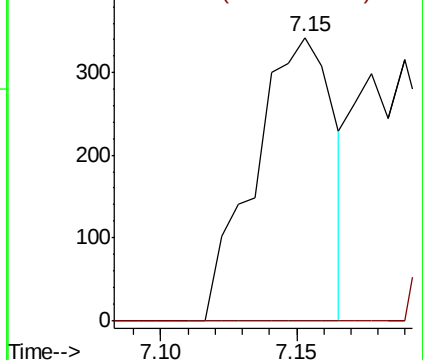
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.9	29.9#

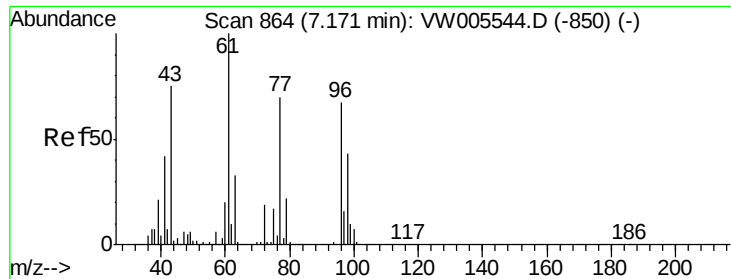


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

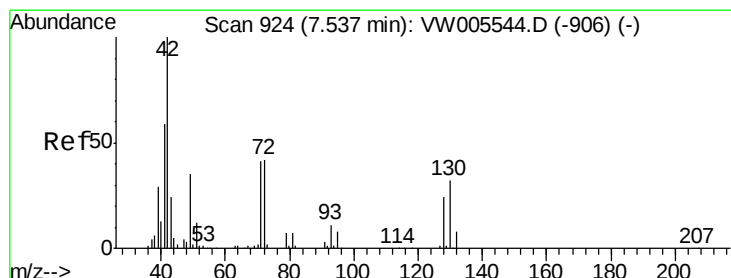
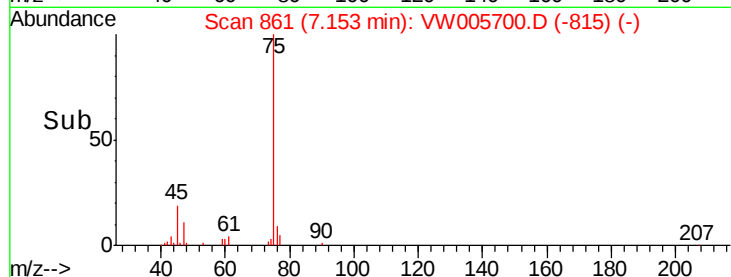
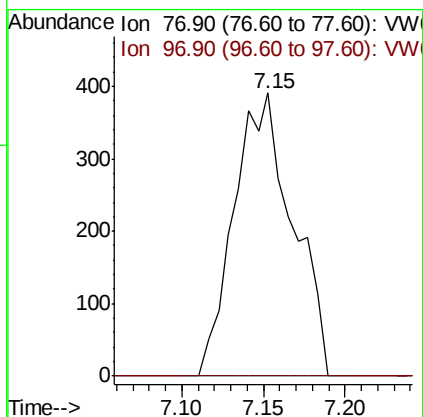
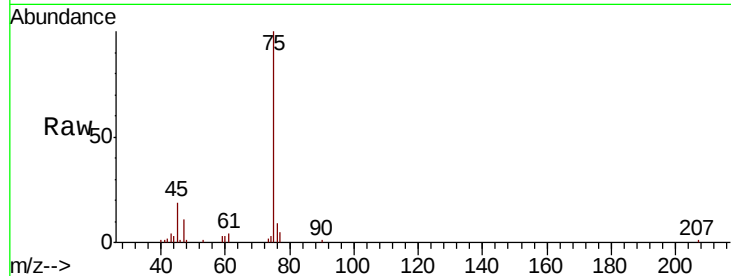




#26
 2,2-Dichloropropane
 Concen: 1.840 ug/l
 RT: 7.15 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: VW005700.D
 Acq: 27 Sep 2018 15:17

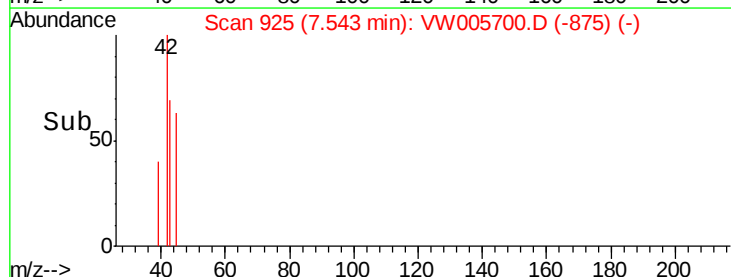
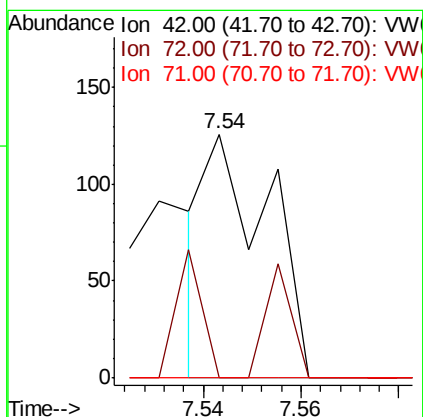
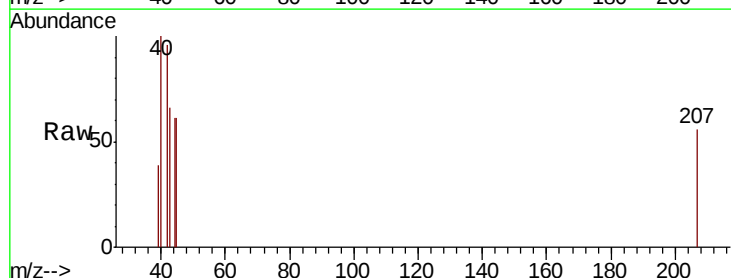
Instrument :
 MSVOA_W
 ClientSampleId :
 7211975RE

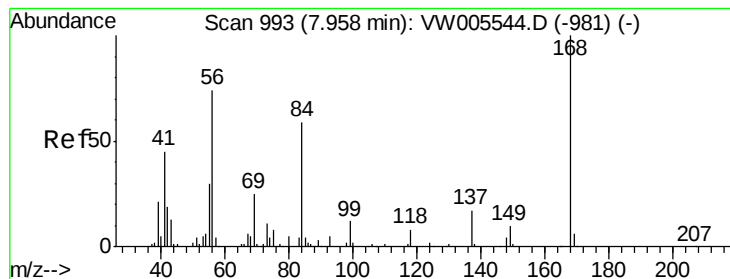
Tgt Ion: 77 Resp: 978
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.0 33.0#



#29
 Tetrahydrofuran
 Concen: 1.541 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VW005700.D
 Acq: 27 Sep 2018 15:17

Tgt Ion: 42 Resp: 110
 Ion Ratio Lower Upper
 42 100
 72 21.8 33.6 50.4#
 71 0.0 31.8 47.6#





#31

Cyclohexane

Concen: 1.303 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005700.D

Acq: 27 Sep 2018 15:17

Instrument :

MSVOA_W

ClientSampleId :

7211975RE

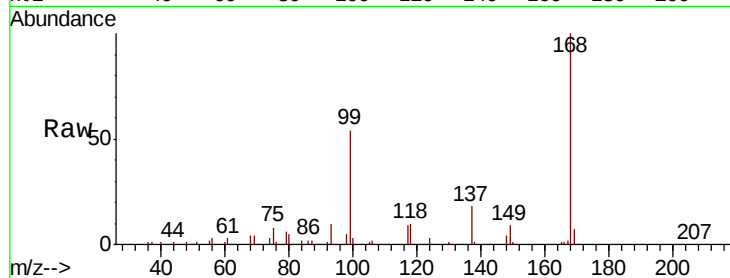
Tgt Ion: 56 Resp: 950

Ion Ratio Lower Upper

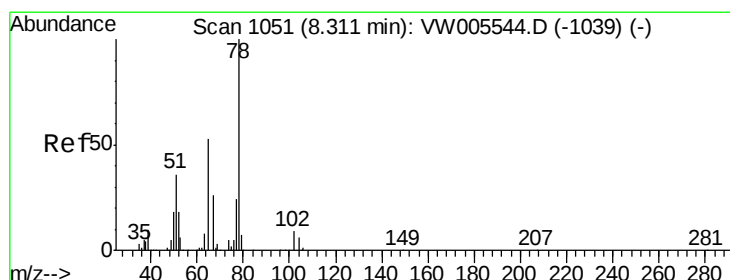
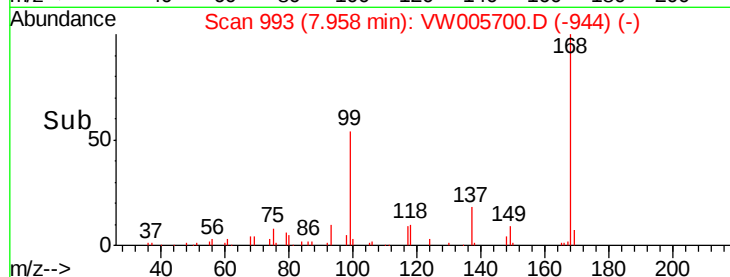
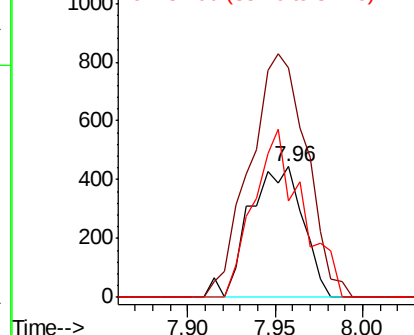
56 100

69 176.1 27.0 40.4#

84 73.4 64.2 96.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 33.515 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005700.D

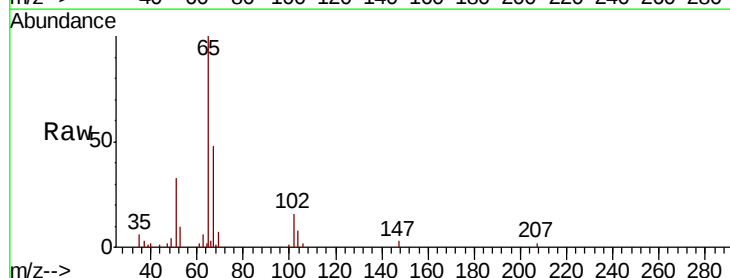
Acq: 27 Sep 2018 15:17

Tgt Ion: 65 Resp: 15766

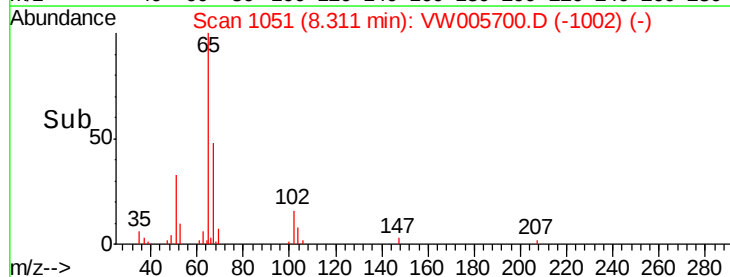
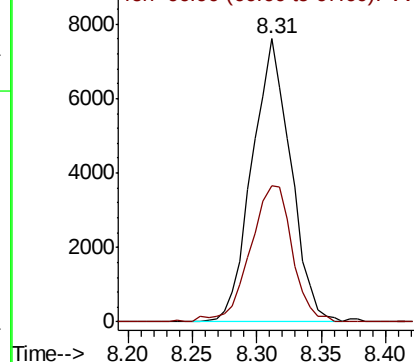
Ion Ratio Lower Upper

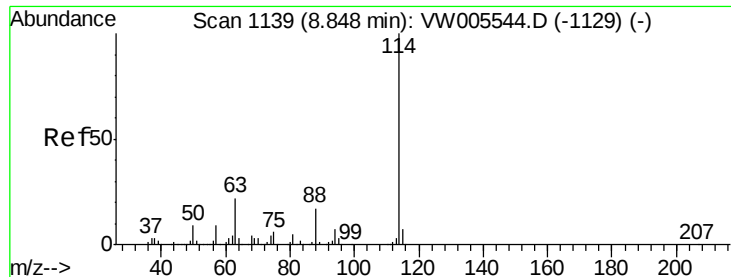
65 100

67 52.5 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

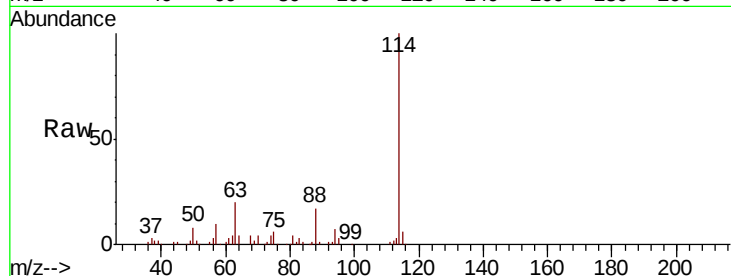




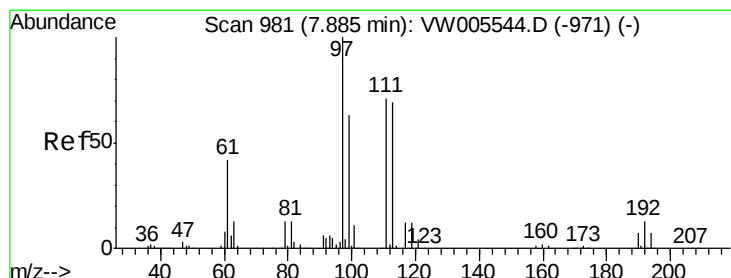
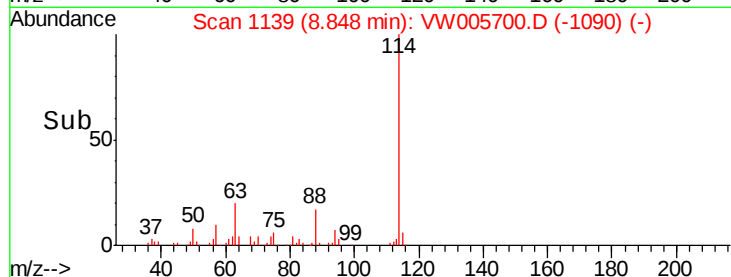
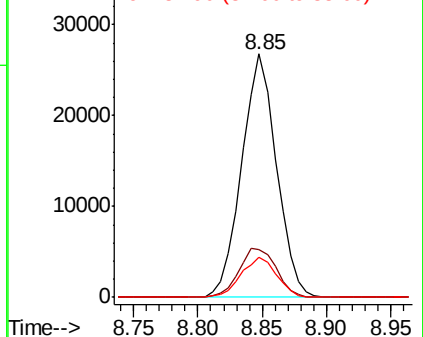
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005700.D
 Acq: 27 Sep 2018 15:17

Instrument :
 MSVOA_W
 ClientSampleId :
 7211975RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.0
88	16.7	0.0	33.0

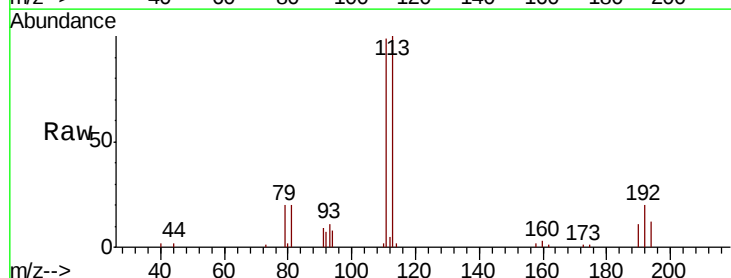


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

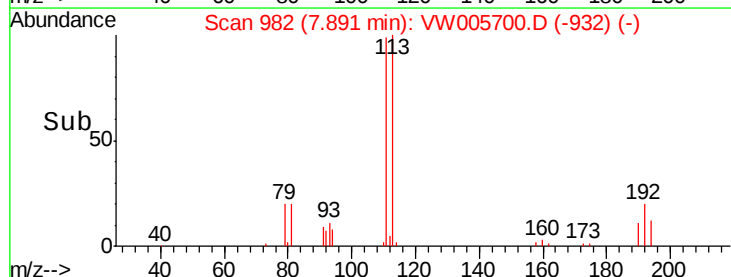
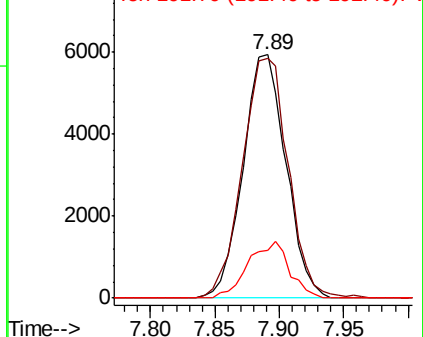


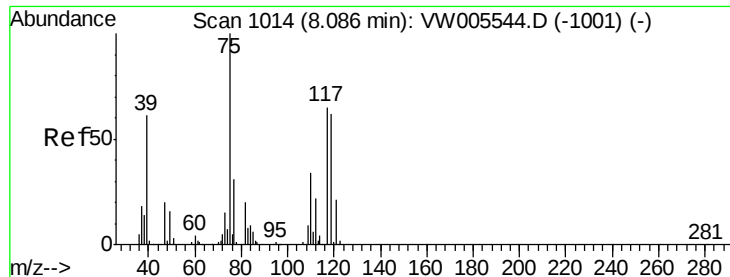
#35
 Dibromofluoromethane
 Concen: 43.473 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005700.D
 Acq: 27 Sep 2018 15:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.6	123.8
192	22.5	17.0	25.4



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

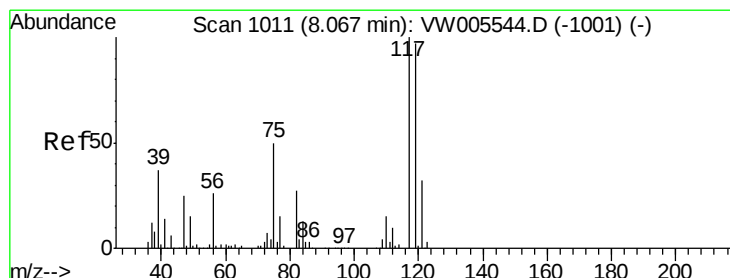
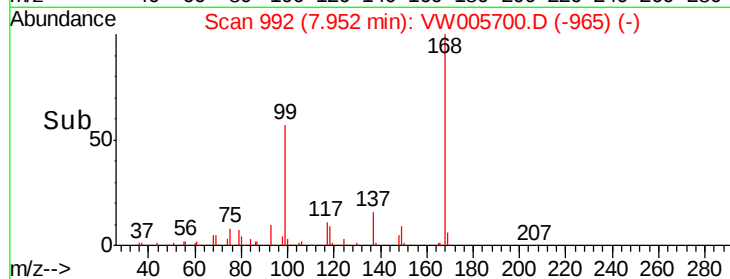
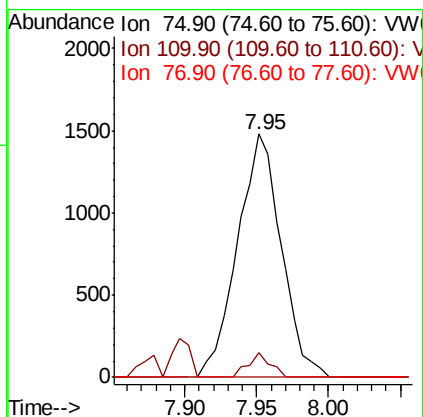
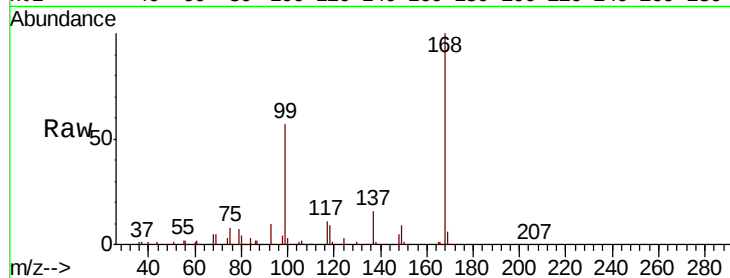




#36
 1,1-Dichloropropene
 Concen: 6.198 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005700.D
 Acq: 27 Sep 2018 15:17

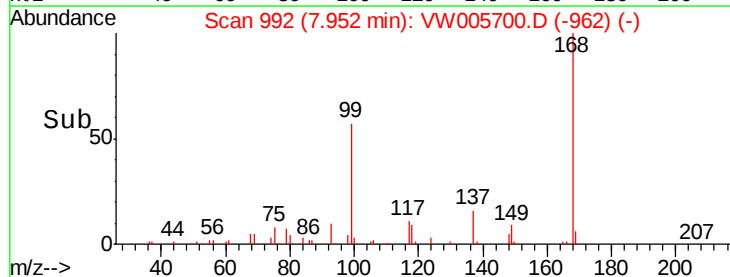
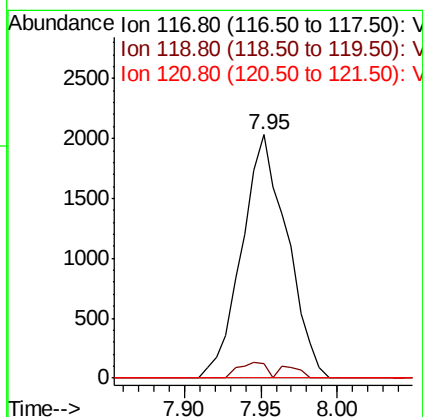
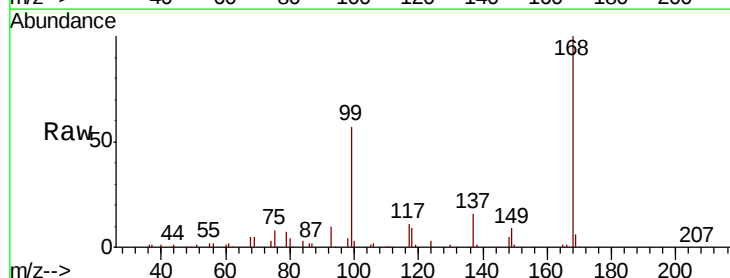
Instrument :
 MSVOA_W
 ClientSampleId :
 7211975RE

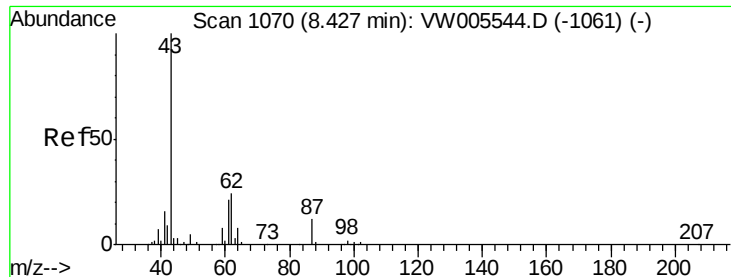
Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.1	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.747 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005700.D
 Acq: 27 Sep 2018 15:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	77.6	116.4#
121	0.0	25.7	38.5#





#43

Isopropyl Acetate

Concen: 1.777 ug/l

RT: 8.26 min Scan# 1042

Delta R.T. -0.17 min

Lab File: VW005700.D

Acq: 27 Sep 2018 15:17

Instrument :

MSVOA_W

ClientSampleId :

7211975RE

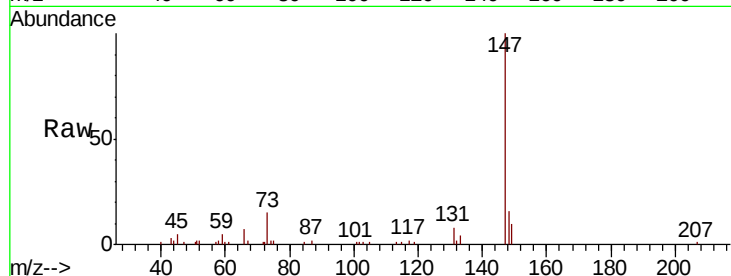
Tgt Ion: 43 Resp: 740

Ion Ratio Lower Upper

43 100

61 4.3 24.1 36.1#

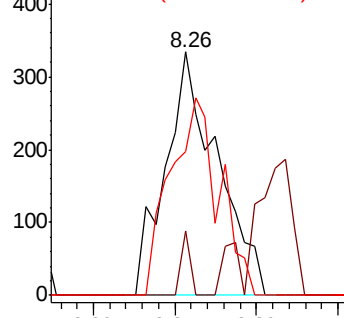
87 77.0 9.8 14.8#



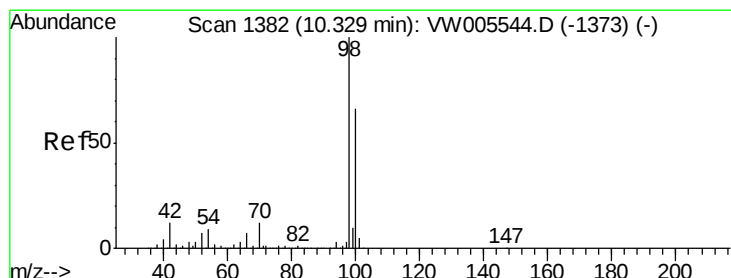
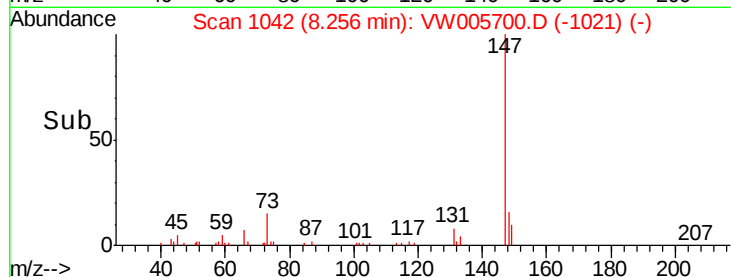
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



Time-->



#50

Toluene-d8

Concen: 41.916 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005700.D

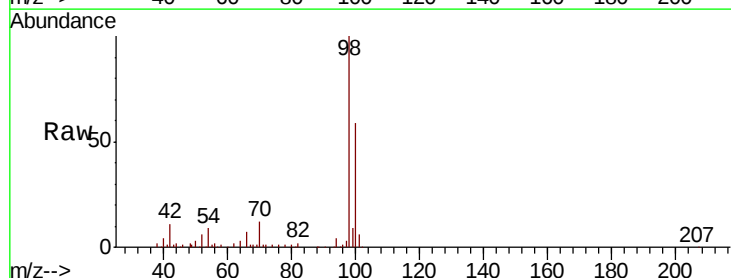
Acq: 27 Sep 2018 15:17

Tgt Ion: 98 Resp: 53672

Ion Ratio Lower Upper

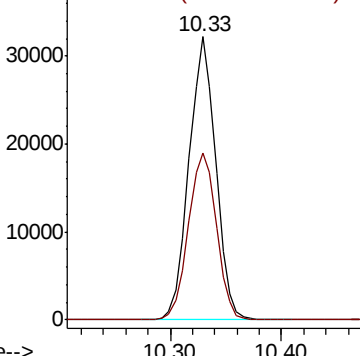
98 100

100 61.6 51.6 77.4

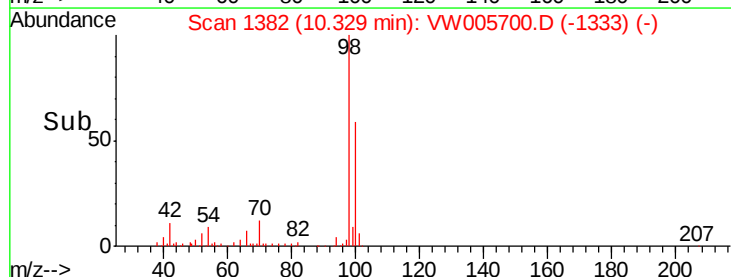


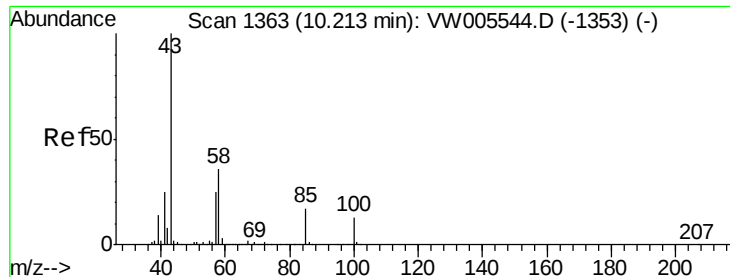
Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.978 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW005700.D

Acq: 27 Sep 2018 15:17

Instrument :

MSVOA_W

ClientSampleId :

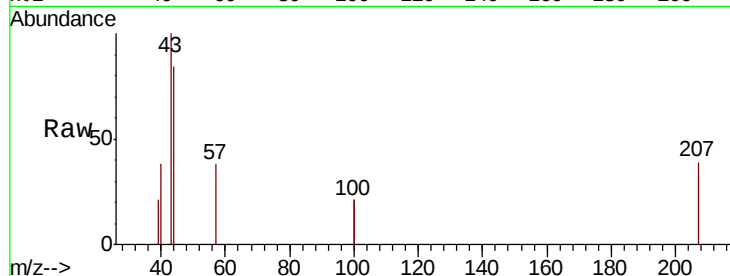
7211975RE

Tgt Ion: 43 Resp: 415

Ion Ratio Lower Upper

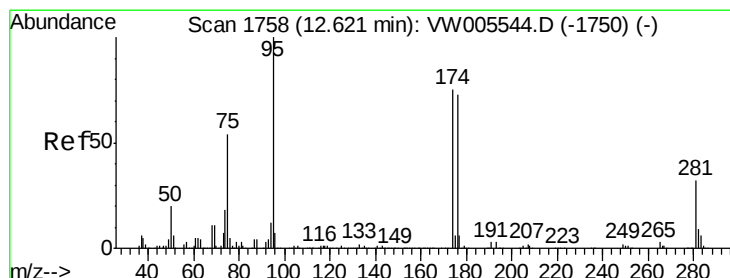
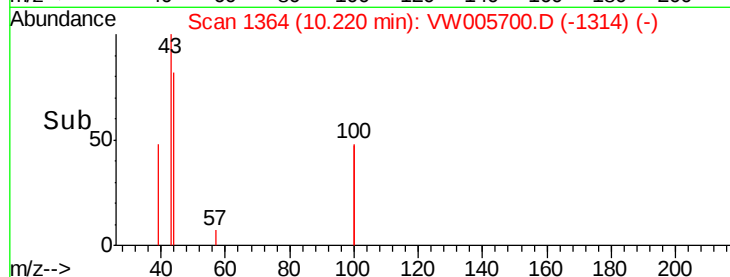
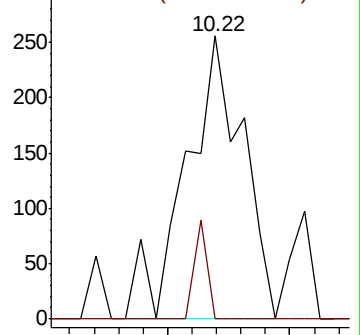
43 100

58 8.0 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 30.591 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005700.D

Acq: 27 Sep 2018 15:17

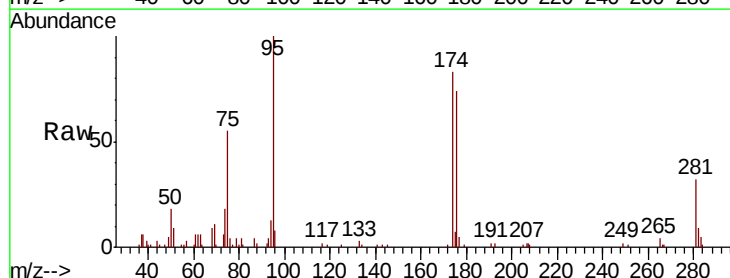
Tgt Ion: 95 Resp: 14494

Ion Ratio Lower Upper

95 100

174 84.0 0.0 163.8

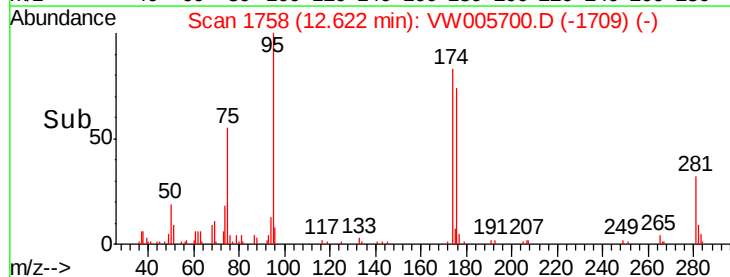
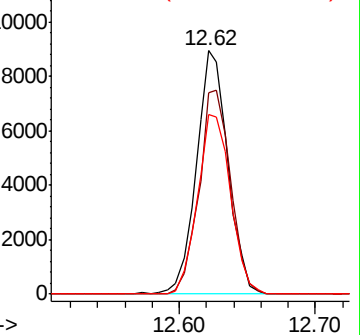
176 77.5 0.0 158.0

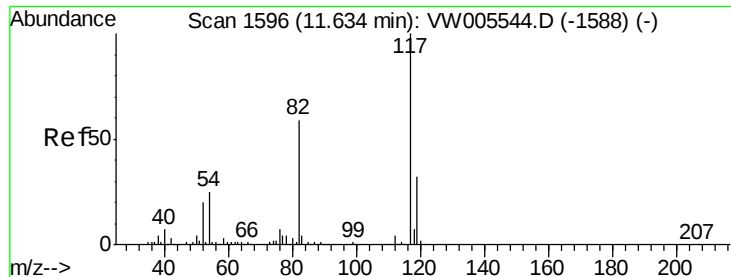


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

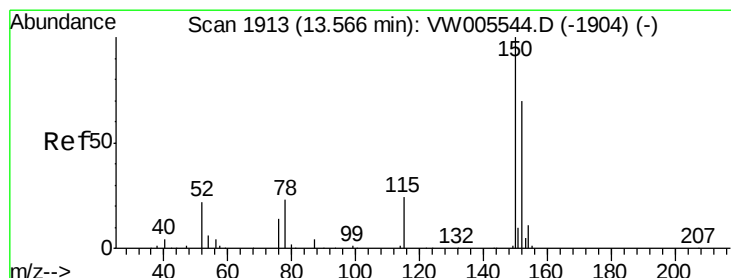
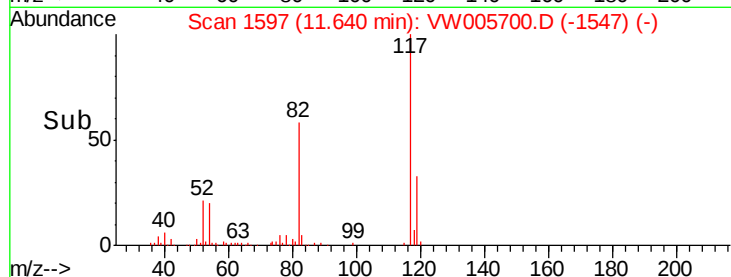
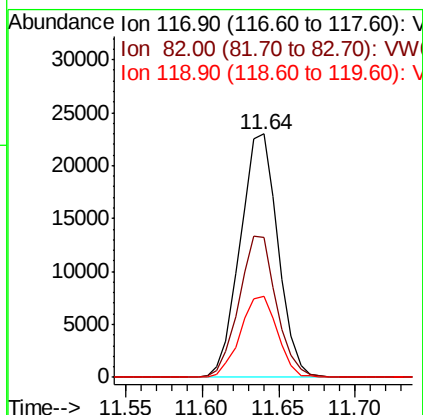
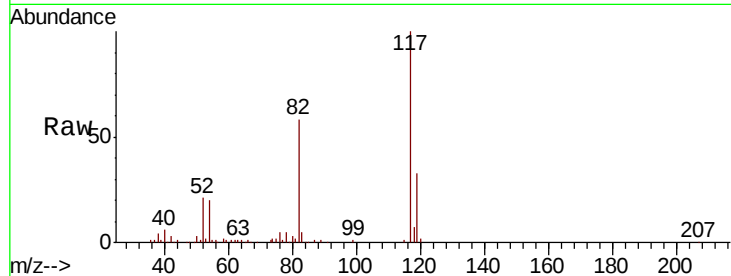




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005700.D
Acq: 27 Sep 2018 15:17

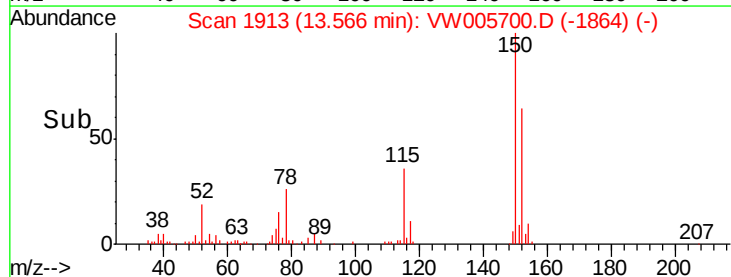
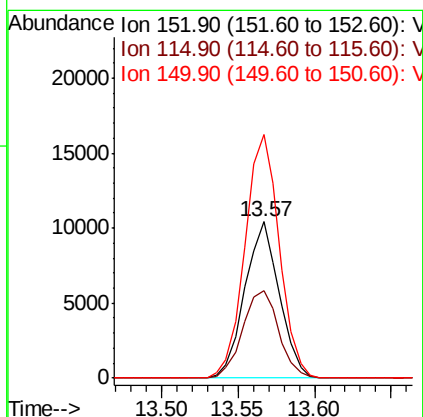
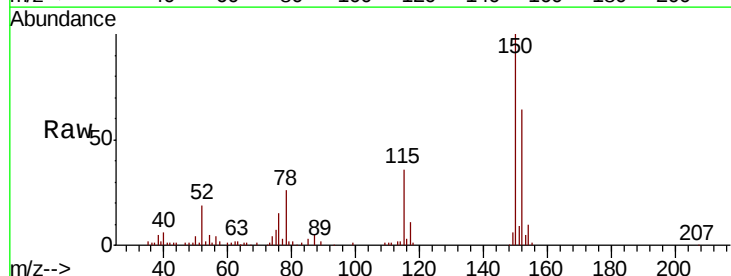
Instrument :
MSVOA_W
ClientSampleId :
7211975RE

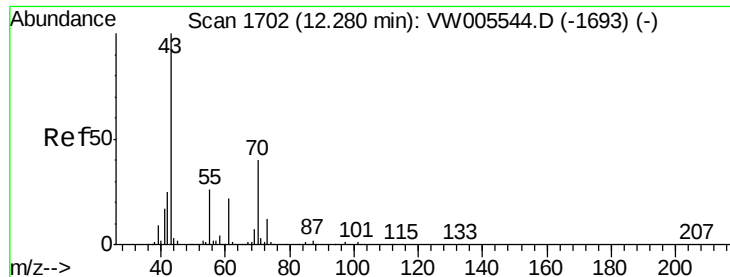
Tgt Ion:117 Resp: 39376
Ion Ratio Lower Upper
117 100
82 57.6 46.9 70.3
119 33.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005700.D
Acq: 27 Sep 2018 15:17

Tgt Ion:152 Resp: 16367
Ion Ratio Lower Upper
152 100
115 58.4 30.0 90.0
150 154.4 0.0 348.6





#74

N-amyI acetate

Concen: 1.093 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.02 min

Lab File: VW005700.D

Acq: 27 Sep 2018 15:17

Instrument :

MSVOA_W

ClientSampleId :

7211975RE

Tgt Ion: 43 Resp: 281

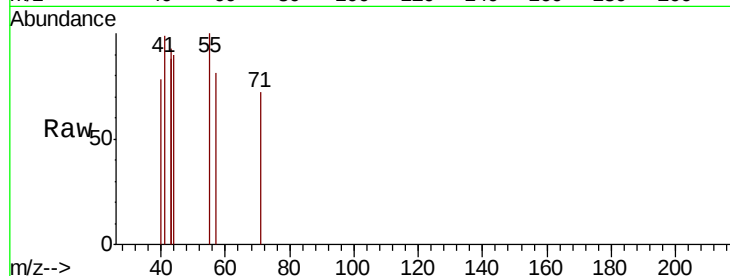
Ion Ratio Lower Upper

43 100

70 0.0 31.4 47.0#

55 28.5 20.9 31.3

61 0.0 17.8 26.6#

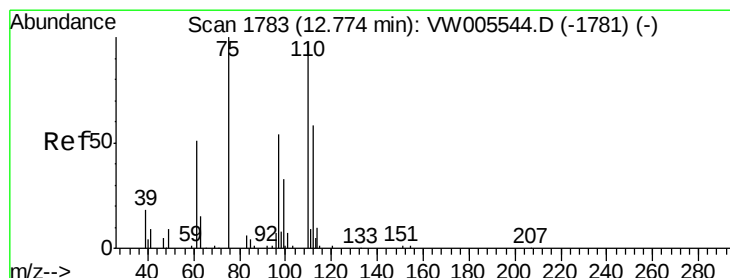
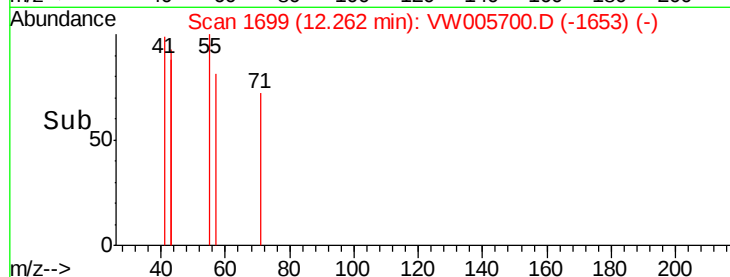
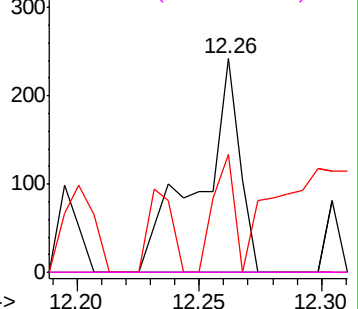


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 54.860 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005700.D

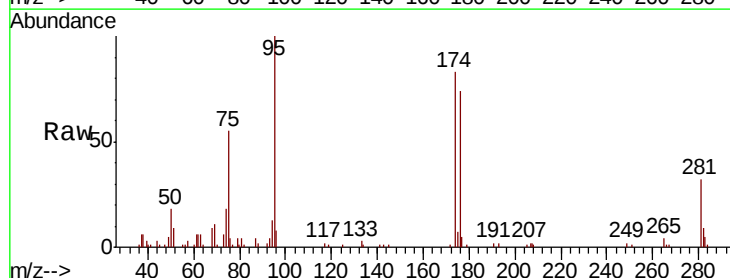
Acq: 27 Sep 2018 15:17

Tgt Ion: 75 Resp: 7654

Ion Ratio Lower Upper

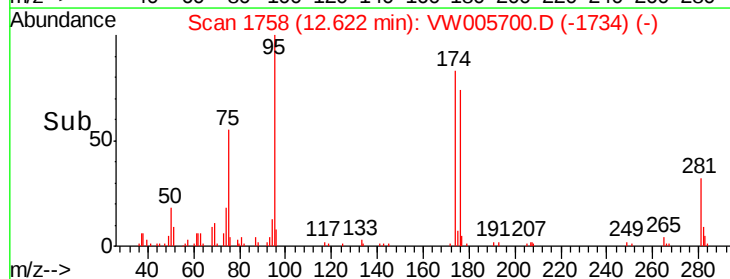
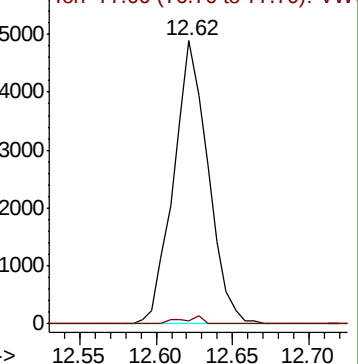
75 100

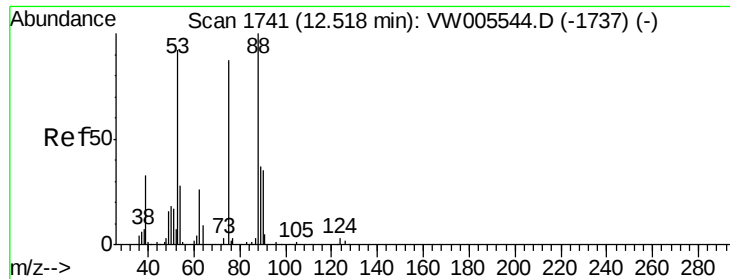
77 1.6 0.0 0.0#



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: 123.562 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005700.D

Acq: 27 Sep 2018 15:17

Instrument :

MSVOA_W

ClientSampleId :

7211975RE

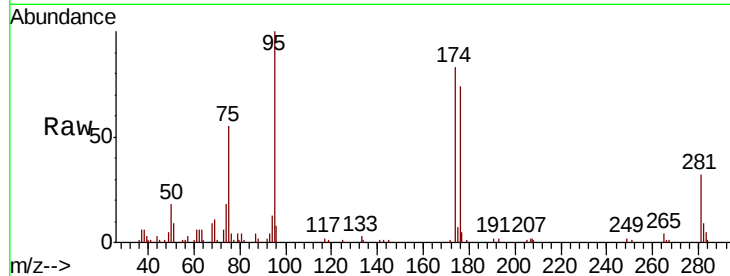
Tgt Ion: 75 Resp: 7654

Ion Ratio Lower Upper

75 100

53 0.0 85.8 128.6#

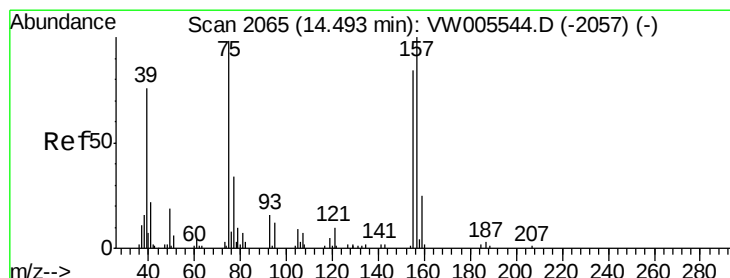
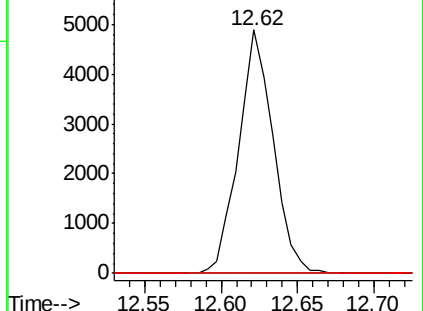
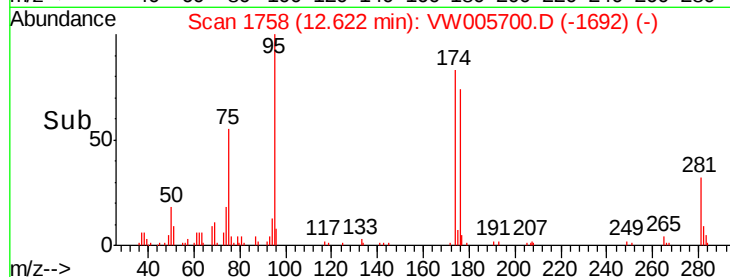
89 0.0 37.3 55.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.812 ug/l

RT: 14.34 min Scan# 2040

Delta R.T. -0.15 min

Lab File: VW005700.D

Acq: 27 Sep 2018 15:17

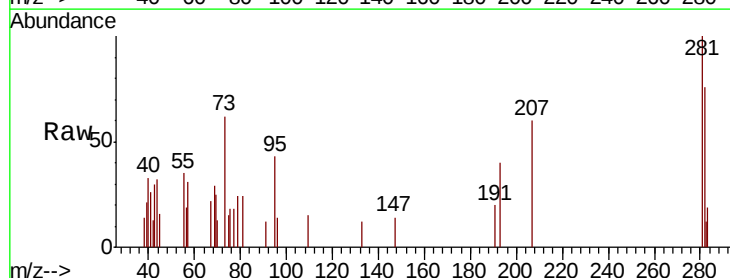
Tgt Ion: 75 Resp: 101

Ion Ratio Lower Upper

75 100

155 0.0 39.1 117.5#

157 0.0 50.8 152.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

