

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110818\
 Data File : VW006775.D
 Acq On : 08 Nov 2018 19:15
 Operator : SY/AP
 Sample : J5745-16RE
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 8ARE

Quant Time: Nov 09 11:15:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	78328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	110077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	99350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	44722	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	32552	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	7.88	113	29744	43.06	ug/l	0.00
Spiked Amount			Recovery	=	86.12%	
50) Toluene-d8	10.33	98	86740	32.98	ug/l	0.00
Spiked Amount			Recovery	=	65.96%	
62) 4-Bromofluorobenzene	12.62	95	27550	28.90	ug/l	0.00
Spiked Amount			Recovery	=	57.80%	

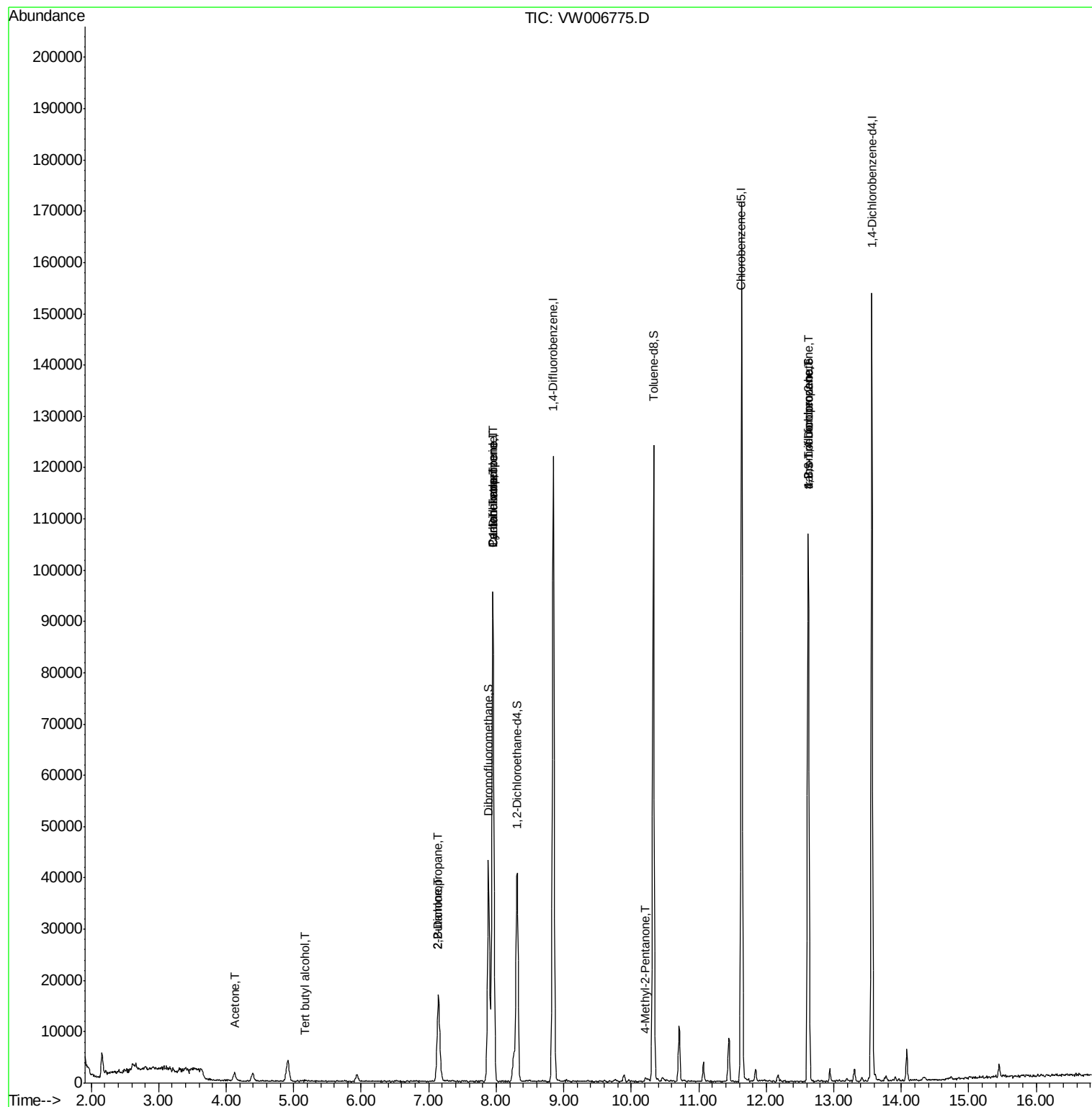
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	331	9.124	ug/l #	84
16) Acetone	4.12	43	2773	25.510	ug/l #	43
20) Methylene Chloride	4.92	84	3518	Below Cal		95
25) 2-Butanone	7.15	43	972	6.266	ug/l	91
26) 2,2-Dichloropropane	7.14	77	1114	1.569	ug/l #	49
31) Cyclohexane	7.95	56	1296	1.208	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	5295	5.470	ug/l #	48
38) Carbon Tetrachloride	7.95	117	6872	6.794	ug/l #	17
51) 4-Methyl-2-Pentanone	10.22	43	668	1.943	ug/l	87
76) 1,2,3-Trichloropropane	12.62	75	13784	39.503	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	13784	99.519	ug/l #	11

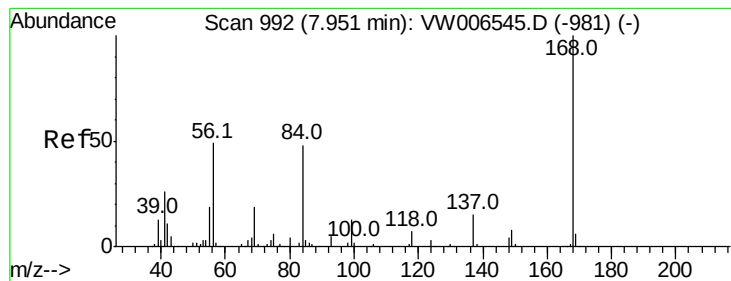
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006775.D

Acq: 08 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampled :

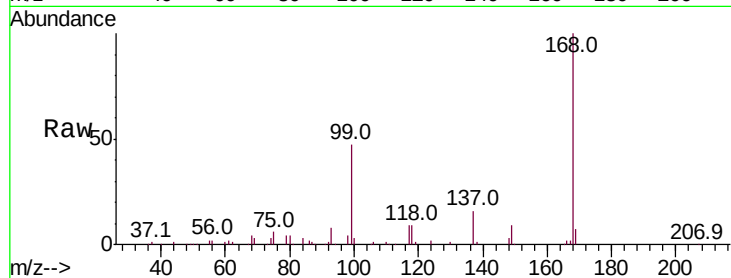
8ARE

Tot Ion:168 Resp: 78328

Ion Ratio Lower Upper

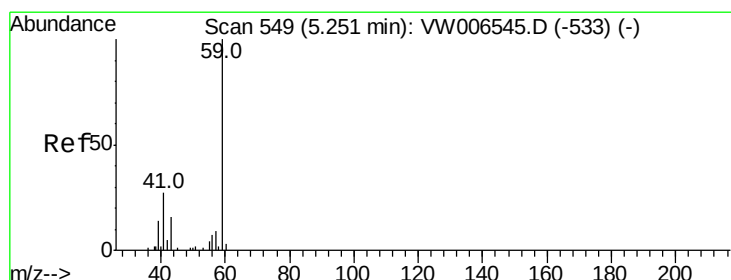
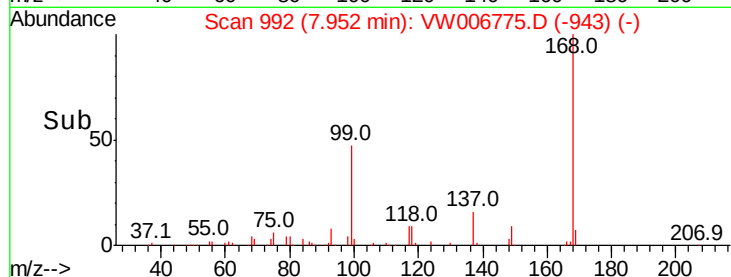
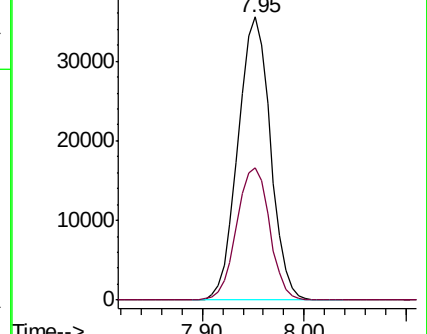
168 100

99 46.9 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 9.124 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.09 min

Lab File: VW006775.D

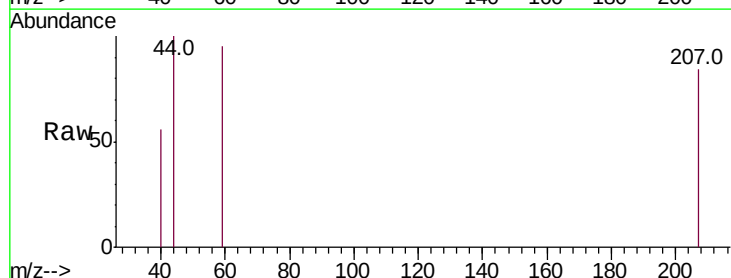
Acq: 08 Nov 2018 19:15

Tgt Ion: 59 Resp: 331

Ion Ratio Lower Upper

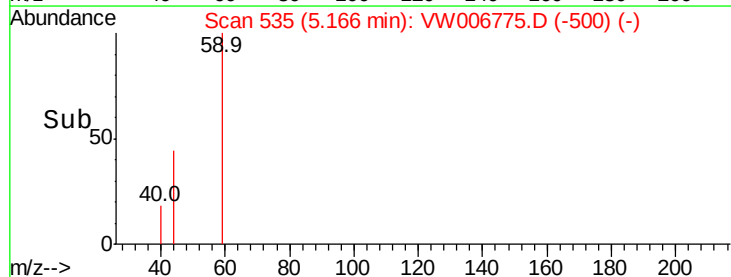
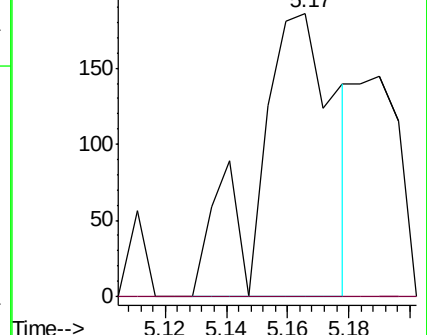
59 100

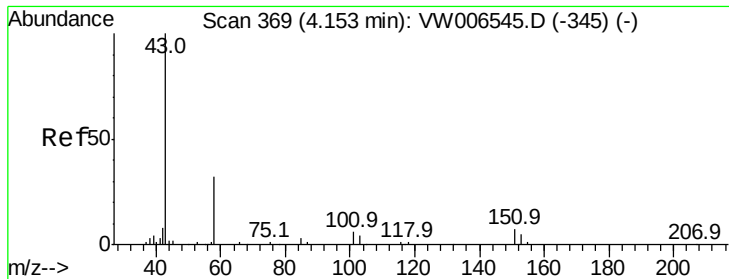
57 0.0 4.3 6.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 25.510 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.03 min

Lab File: VW006775.D

Acq: 08 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

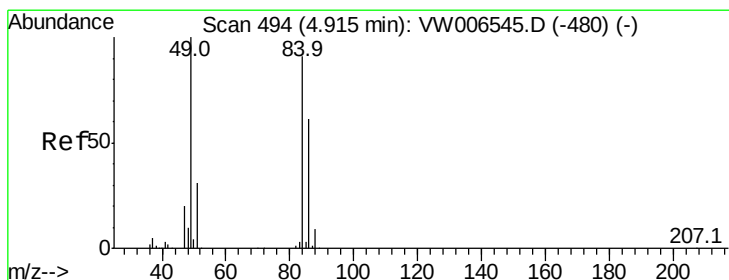
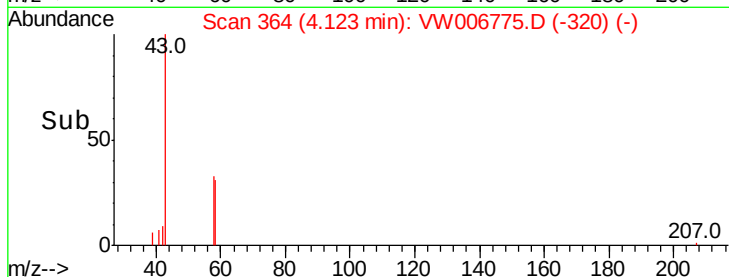
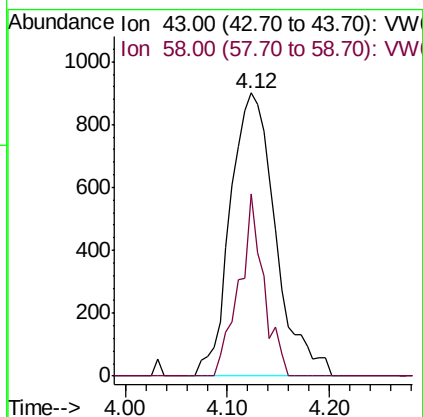
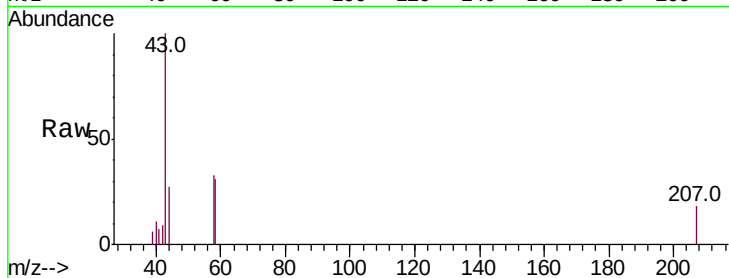
8ARE

Tot Ion: 43 Resp: 2773

Ion Ratio Lower Upper

43 100

58 64.3 25.8 38.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006775.D

Acq: 08 Nov 2018 19:15

Tgt Ion: 84 Resp: 3518

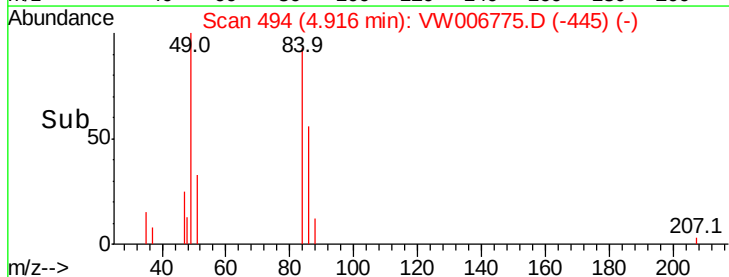
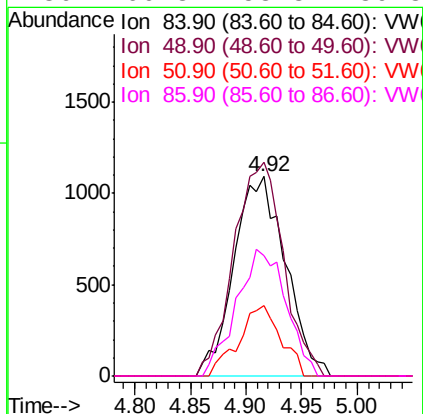
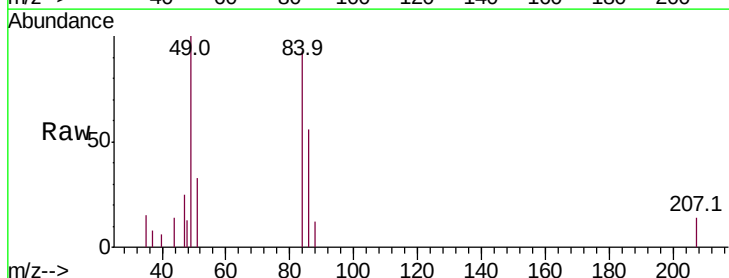
Ion Ratio Lower Upper

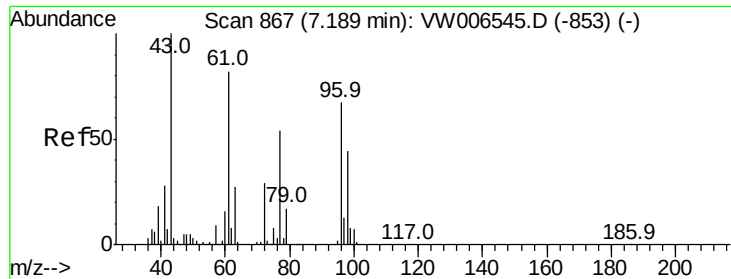
84 100

49 107.2 88.2 132.4

51 35.1 27.0 40.6

86 60.3 53.8 80.8





#25

2-Butanone

Concen: 6.266 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW006775.D

Acq: 08 Nov 2018 19:15

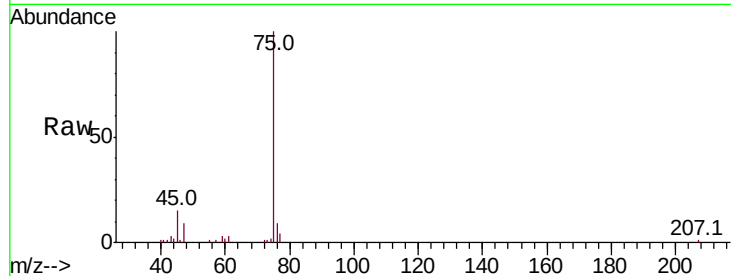
Instrument :
MSVOA_W
ClientSampled :
BARE

Tot Ion: 43 Resp: 972

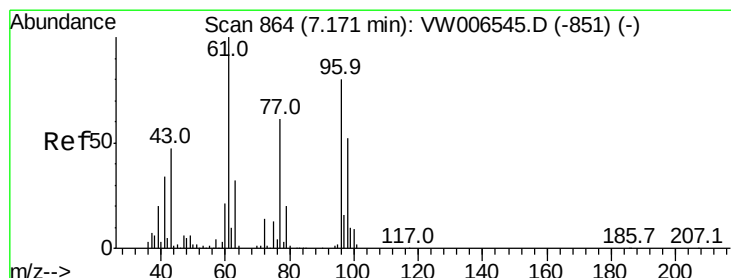
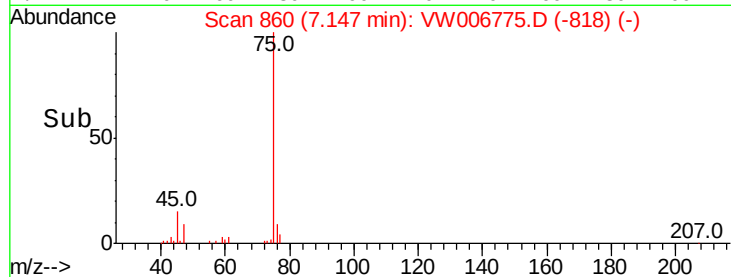
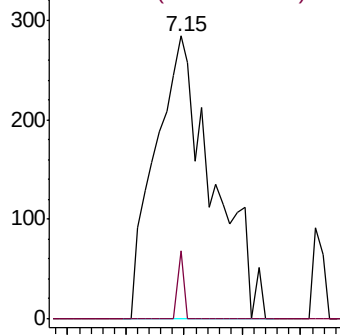
Ion Ratio Lower Upper

43 100

72 23.9 23.2 34.8



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



#26

2,2-Dichloropropane

Concen: 1.569 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW006775.D

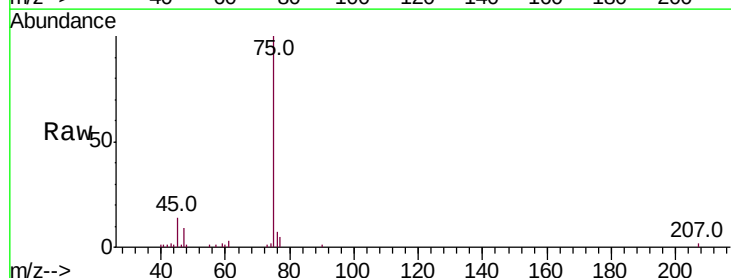
Acq: 08 Nov 2018 19:15

Tgt Ion: 77 Resp: 1114

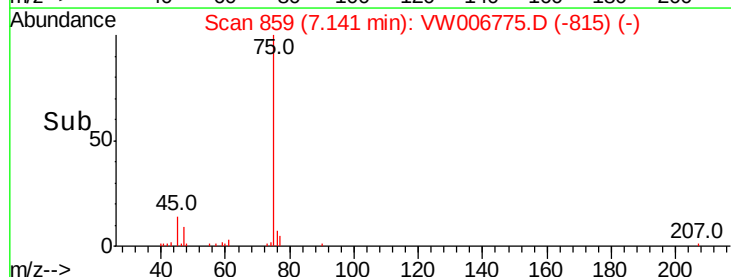
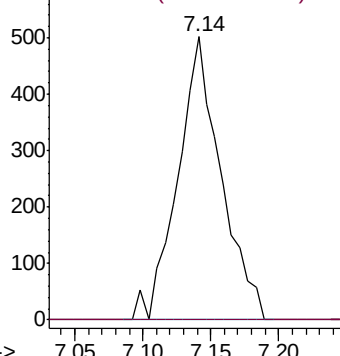
Ion Ratio Lower Upper

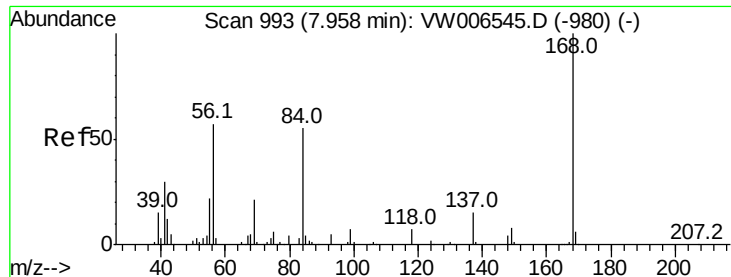
77 100

97 0.0 12.8 38.4#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW

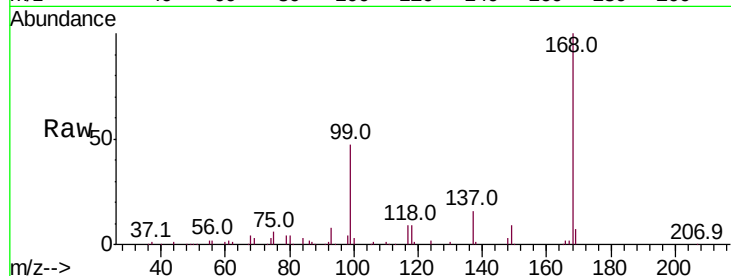




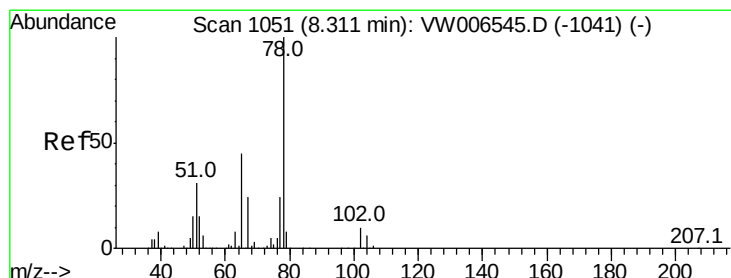
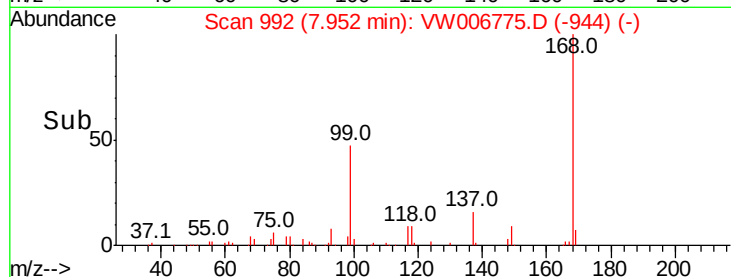
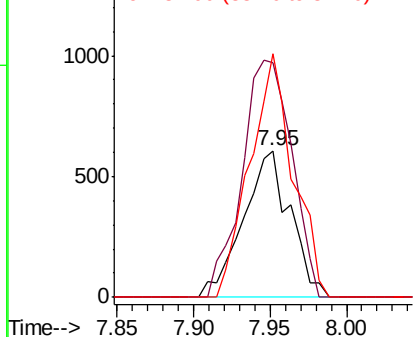
#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006775.D
Acq: 08 Nov 2018 19:15

Instrument :
MSVOA_W
ClientSampled :
BARE

Tot Ion: 56 Resp: 1296
Ion Ratio Lower Upper
56 100
69 160.3 29.0 43.4#
84 166.1 77.8 116.6#

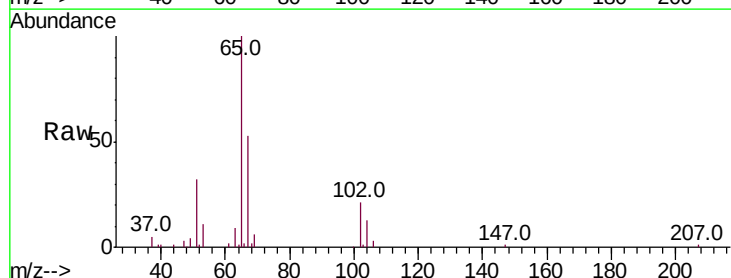


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

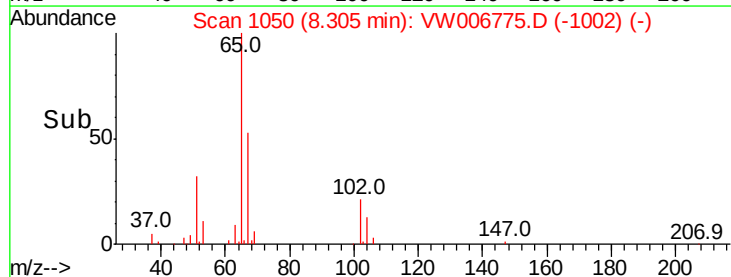
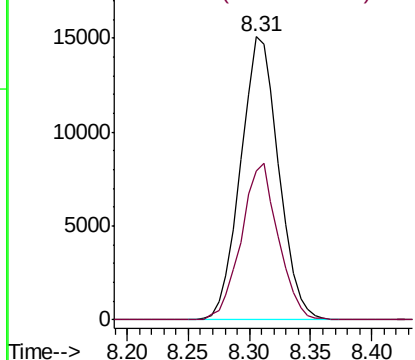


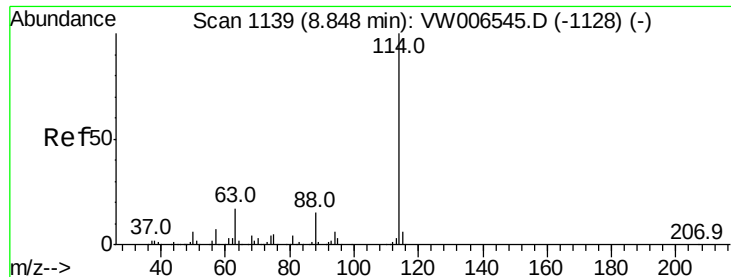
#33
1,2-Dichloroethane-d4
Concen: 48.347 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW006775.D
Acq: 08 Nov 2018 19:15

Tgt Ion: 65 Resp: 32552
Ion Ratio Lower Upper
65 100
67 53.9 0.0 104.4



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

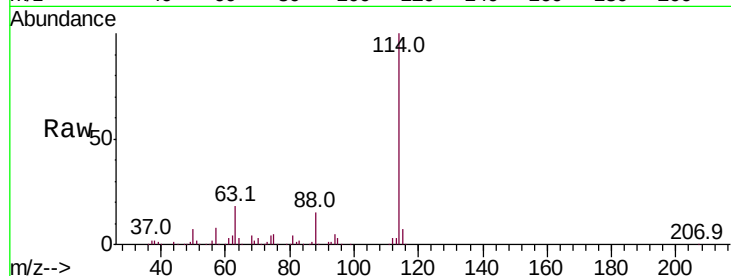




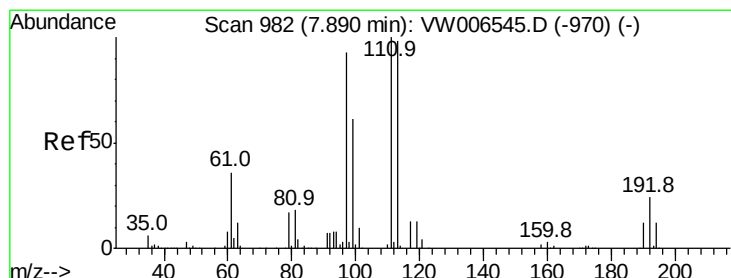
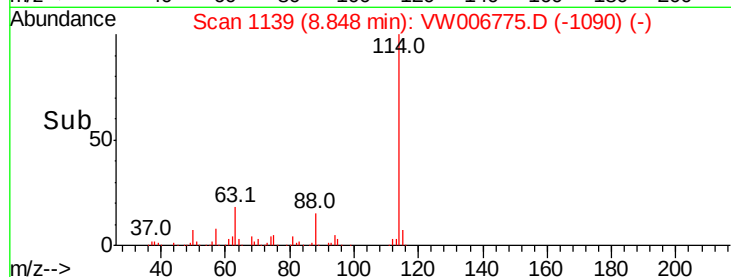
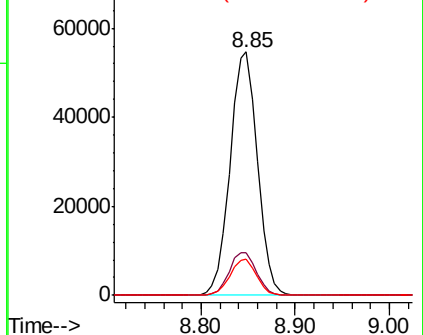
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006775.D
 Acq: 08 Nov 2018 19:15

Instrument :
 MSVOA_W
 ClientSampled :
 BARE

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	34.4
88	15.1	0.0	29.0

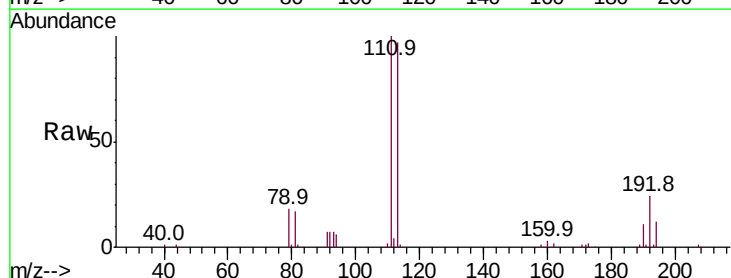


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

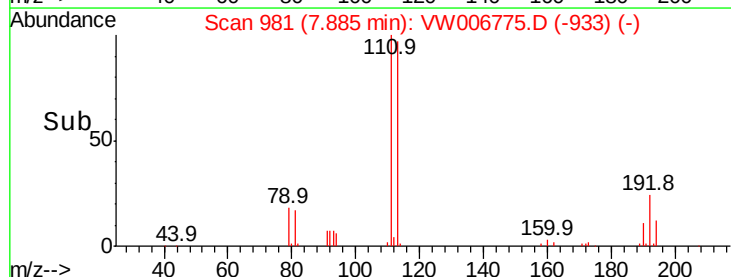
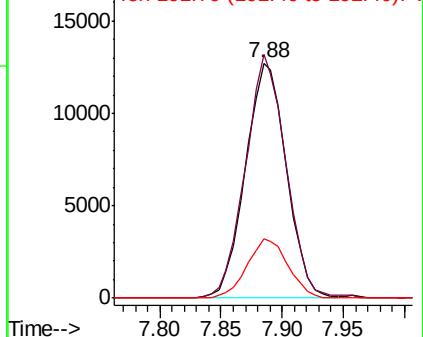


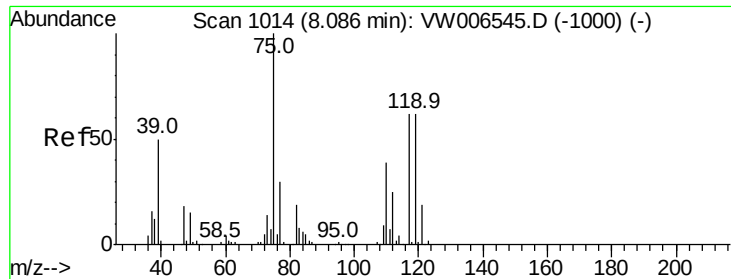
#35
 Dibromofluoromethane
 Concen: 43.056 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006775.D
 Acq: 08 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.2
192	25.1	19.0	28.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

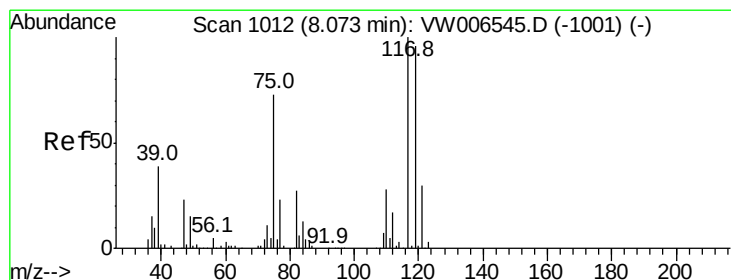
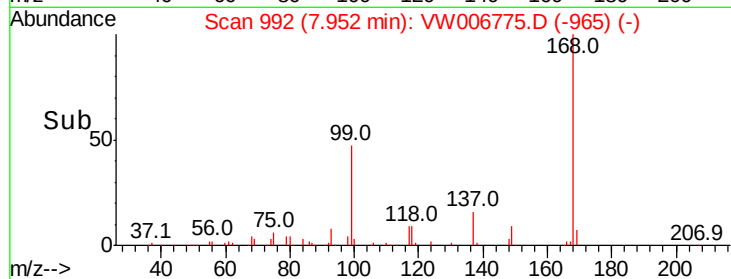
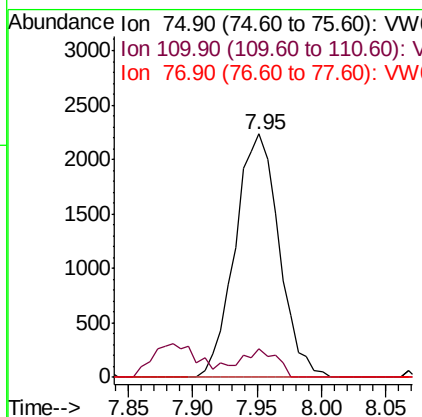
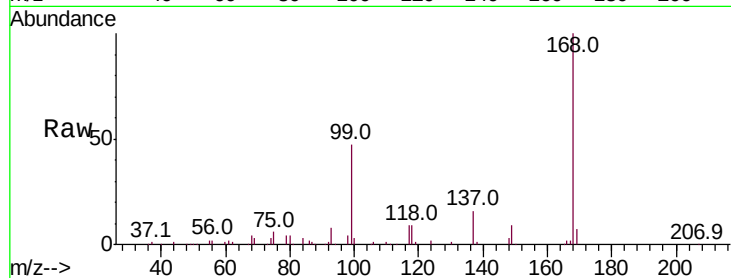




#36
 1,1-Dichloropropene
 Concen: 5.470 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006775.D
 Acq: 08 Nov 2018 19:15

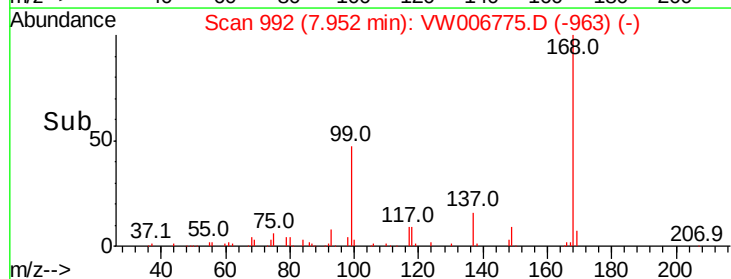
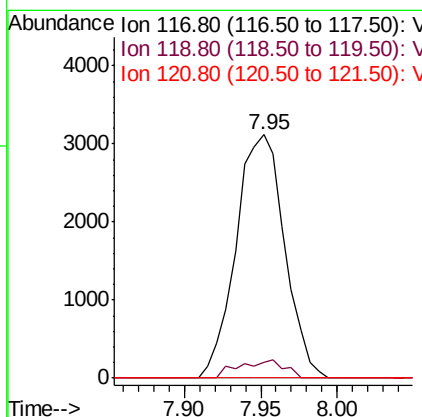
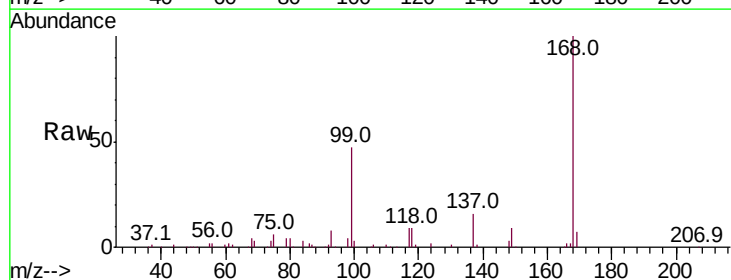
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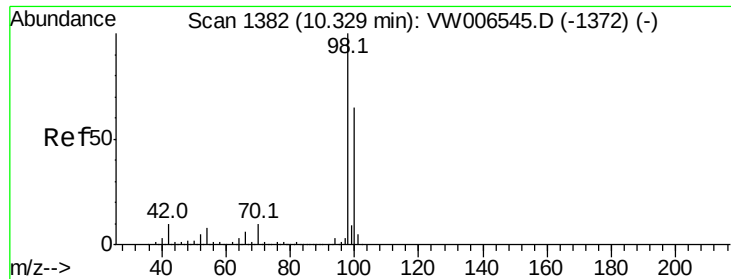
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.5	58.5#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.794 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006775.D
 Acq: 08 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.3	114.5#
121	0.0	24.1	36.1#

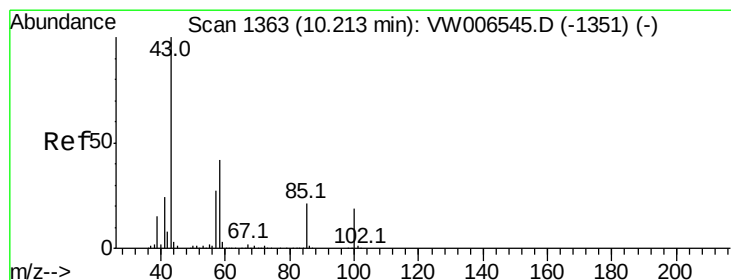
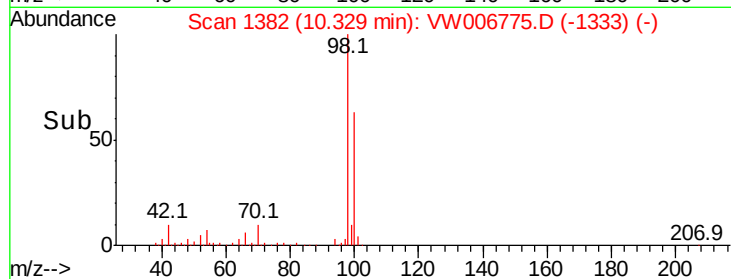
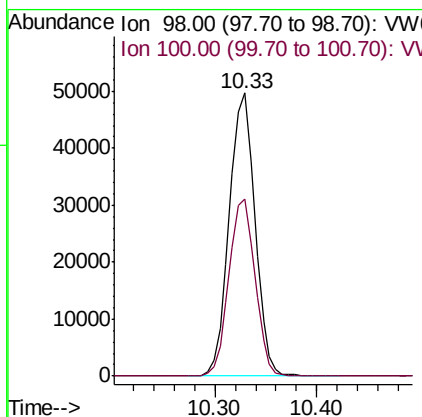
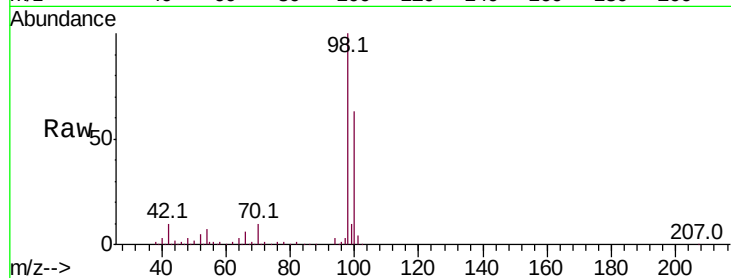




#50
Toluene-d8
Concen: 32.983 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006775.D
Acq: 08 Nov 2018 19:15

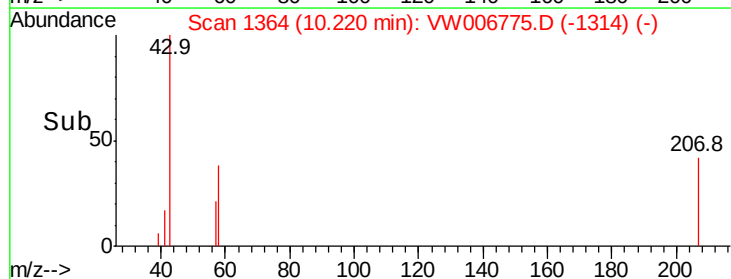
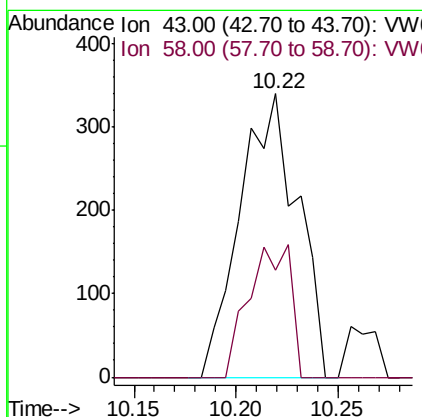
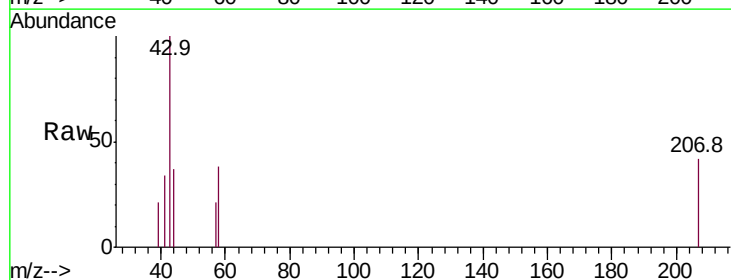
Instrument :
MSVOA_W
ClientSampled :
BARE

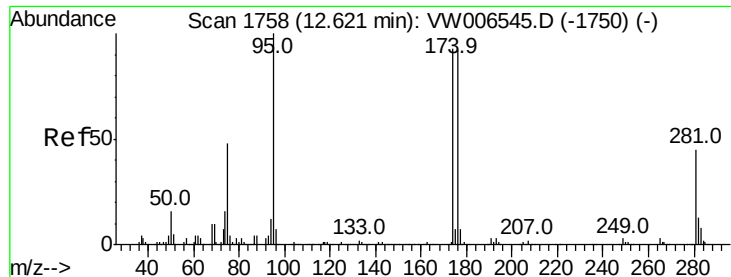
Tot Ion: 98 Resp: 86740
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.943 ug/l
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW006775.D
Acq: 08 Nov 2018 19:15

Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
58 33.7 33.4 50.0

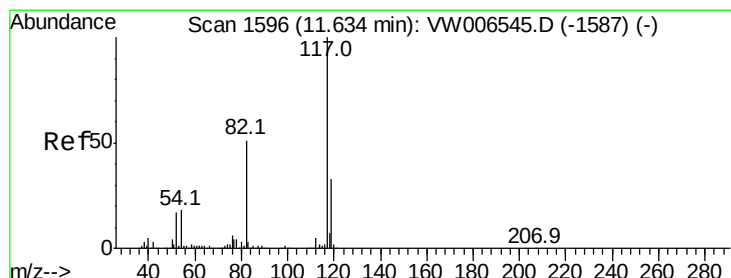
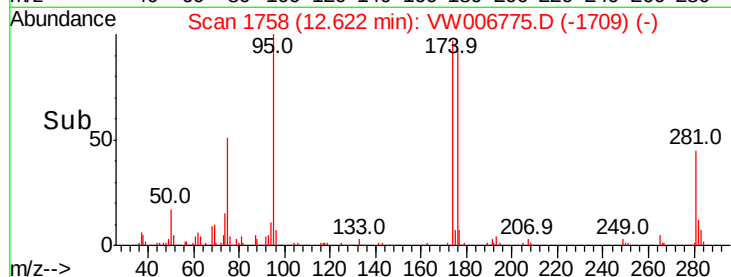
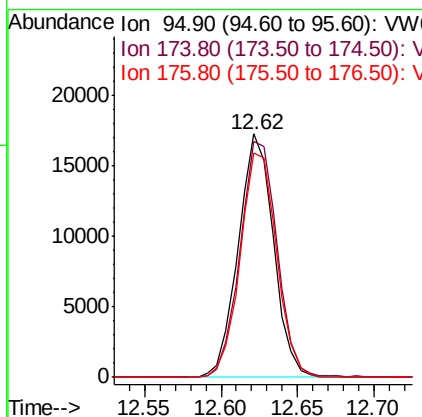
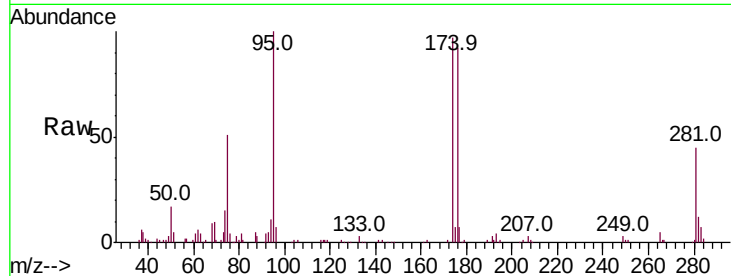




#62
4-Bromofluorobenzene
Concen: 28.896 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006775.D
Acq: 08 Nov 2018 19:15

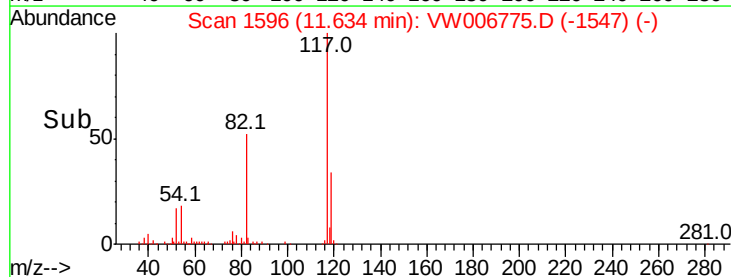
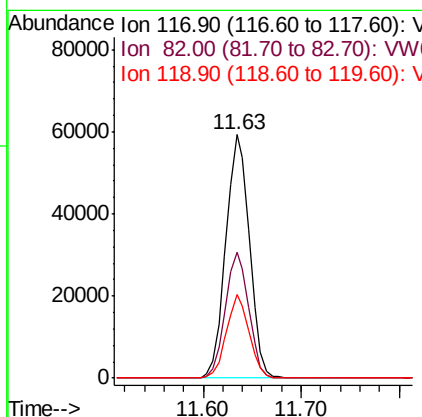
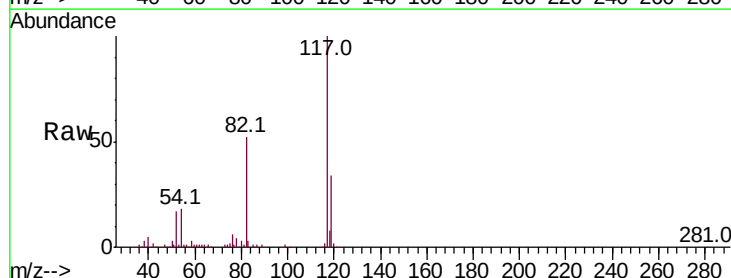
Instrument :
MSVOA_W
ClientSampleId :
8ARE

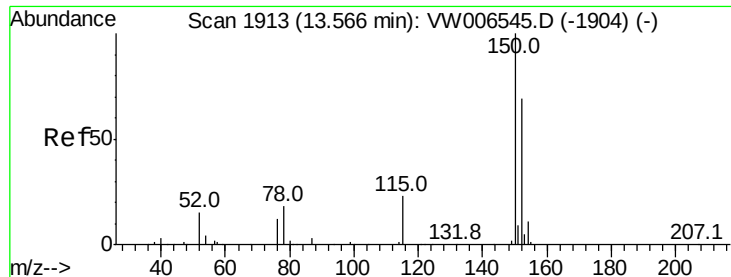
Tot Ion: 95 Resp: 27550
Ion Ratio Lower Upper
95 100
174 101.6 0.0 192.4
176 95.6 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006775.D
Acq: 08 Nov 2018 19:15

Tgt Ion: 117 Resp: 99350
Ion Ratio Lower Upper
117 100
82 51.9 40.8 61.2
119 34.1 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006775.D

Acq: 08 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

8ARE

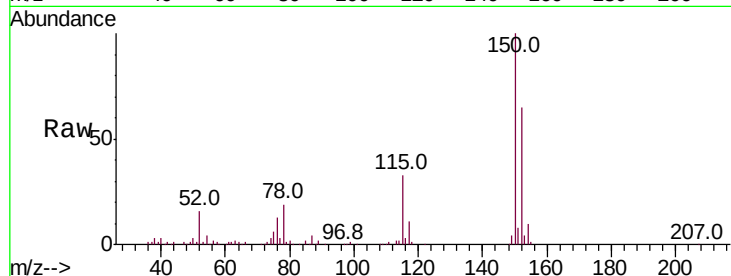
Tot Ion:152 Resp: 44722

Ion Ratio Lower Upper

152 100

115 53.4 26.6 79.8

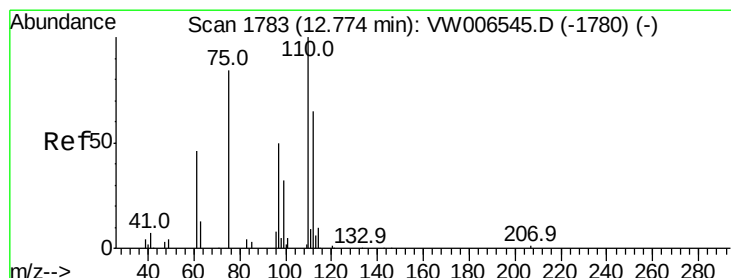
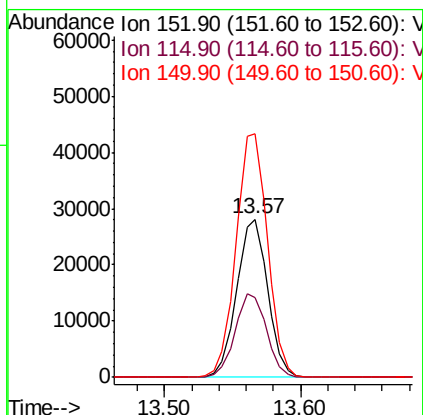
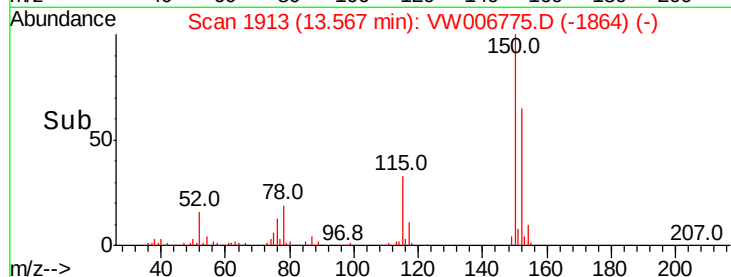
150 155.9 0.0 344.6



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: 39.503 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006775.D

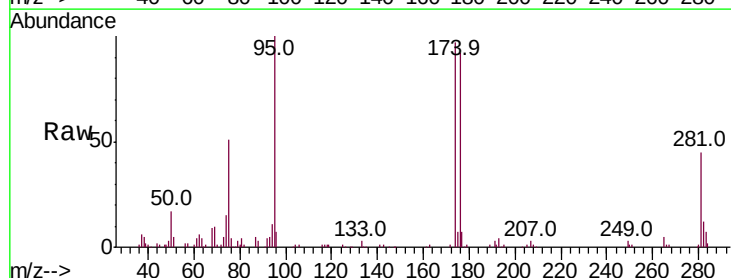
Acq: 08 Nov 2018 19:15

Tgt Ion: 75 Resp: 13784

Ion Ratio Lower Upper

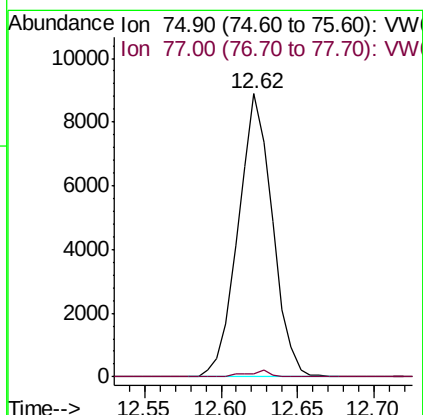
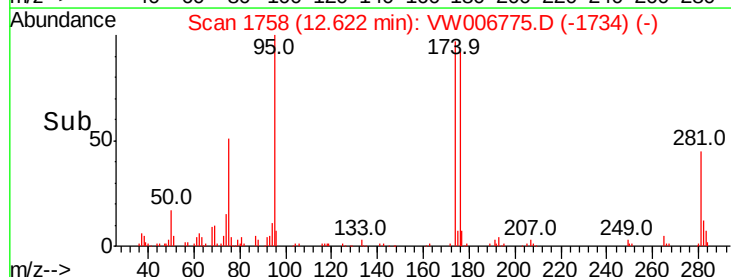
75 100

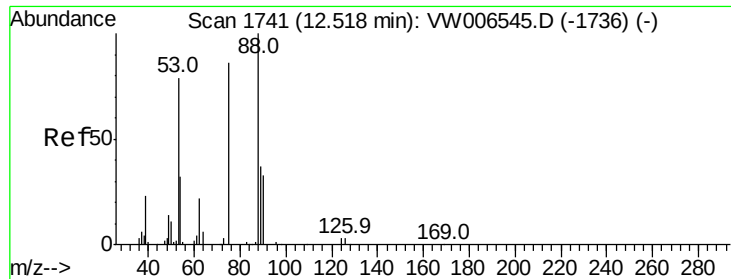
77 1.5 0.0 0.0#



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: 99.519 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006775.D

Acq: 08 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

8ARE

Tot Ion: 75 Resp: 13784

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.0 38.6 58.0#

