

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007044.D
 Acq On : 26 Nov 2018 13:52
 Operator : VAY/AP
 Sample : J6028-01RE
 Misc : 6.89G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-1RE

Quant Time: Nov 27 05:23:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	110104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	175745	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	133856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	36958	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	55715	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
35) Dibromofluoromethane	7.89	113	45402	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	
50) Toluene-d8	10.33	98	185492	42.32	ug/l	0.00
Spiked Amount			Recovery	=	84.64%	
62) 4-Bromofluorobenzene	12.62	95	50600	29.34	ug/l	0.00
Spiked Amount			Recovery	=	58.68%	

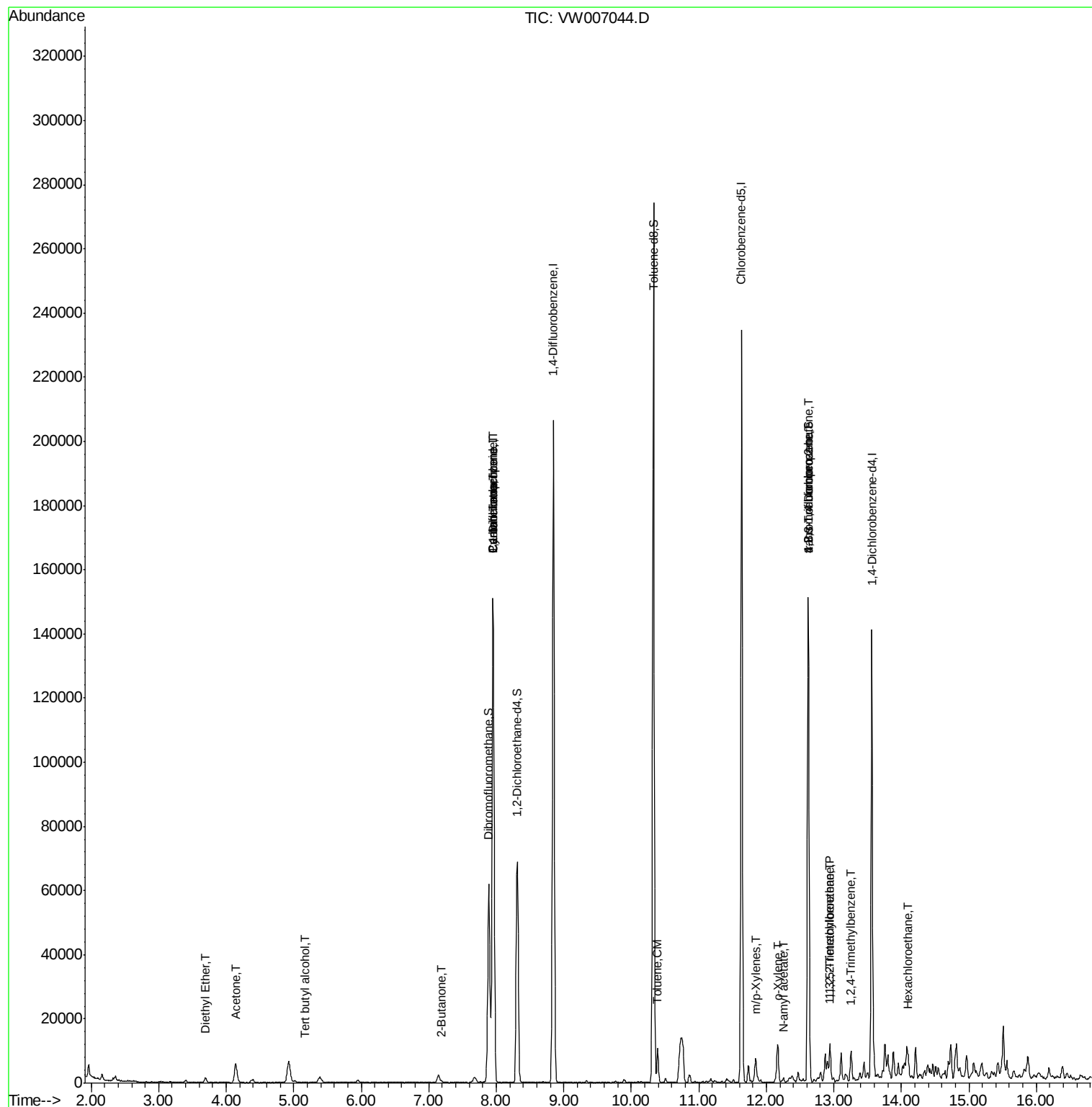
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	662	1.172	ug/l	89
11) Tert butyl alcohol	5.18	59	119	1.696	ug/l #	71
16) Acetone	4.14	43	10146	64.829	ug/l	99
20) Methylene Chloride	4.92	84	5336	Below Cal		91
25) 2-Butanone	7.20	43	456	1.701	ug/l #	48
31) Cyclohexane	7.96	56	2138	1.030	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	8127	4.732	ug/l #	51
38) Carbon Tetrachloride	7.95	117	11442	6.957	ug/l #	17
52) Toluene	10.39	92	4335	1.374	ug/l	93
68) m/p-Xylenes	11.84	106	2069	1.028	ug/l	97
69) o-Xylene	12.16	106	3390	1.785	ug/l	92
74) N-amyl acetate	12.25	43	558	1.159	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.93	83	417	1.091	ug/l #	81
76) 1,2,3-Trichloropropane	12.62	75	24117	83.044	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	3879	1.562	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	24117	208.489	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	5415	2.188	ug/l	98
90) Hexachloroethane	14.10	117	398	1.017	ug/l #	14

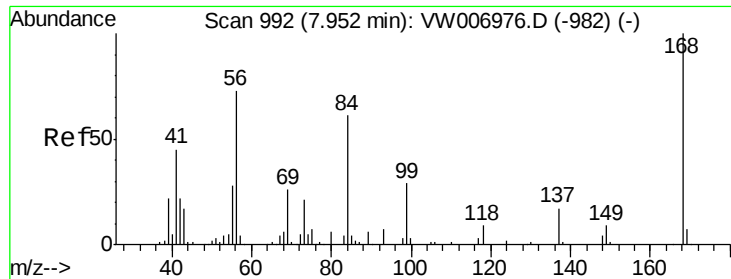
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 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: VW007044.D

Acq: 26 Nov 2018 13:52

Instrument :

MSVOA_W

ClientSampleId :

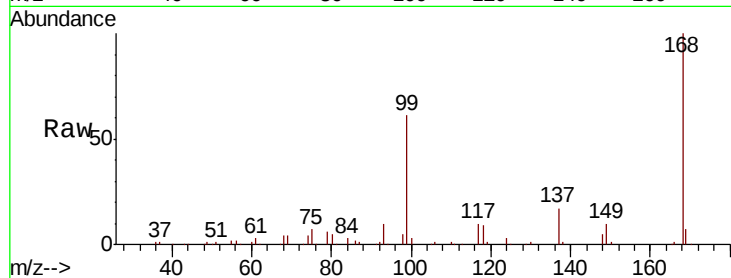
VOC-1RE

Tot Ion:168 Resp: 110104

Ion Ratio Lower Upper

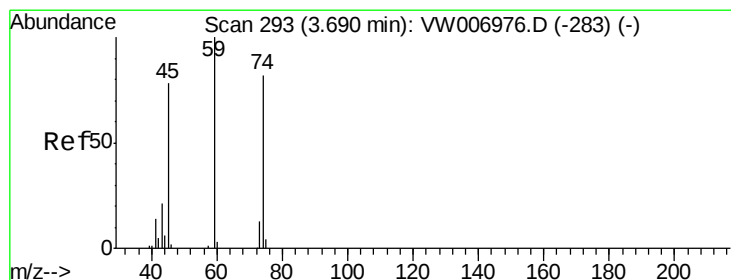
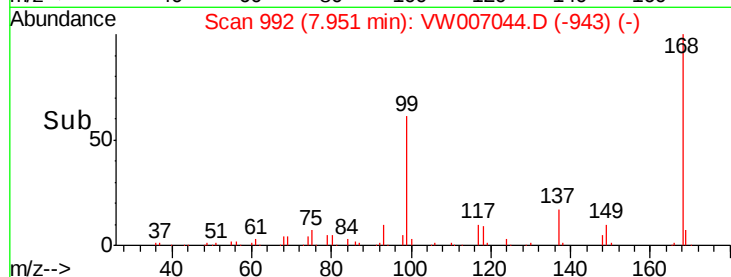
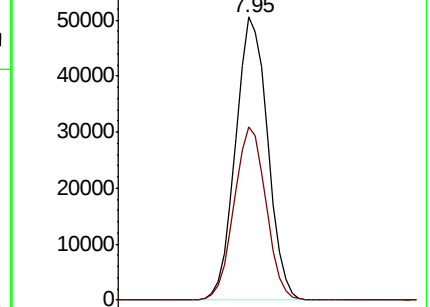
168 100

99 61.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.172 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW007044.D

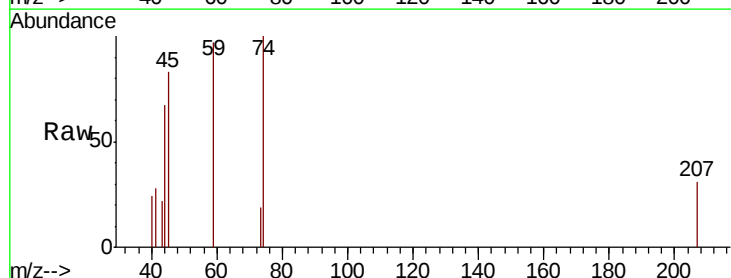
Acq: 26 Nov 2018 13:52

Tgt Ion: 74 Resp: 662

Ion Ratio Lower Upper

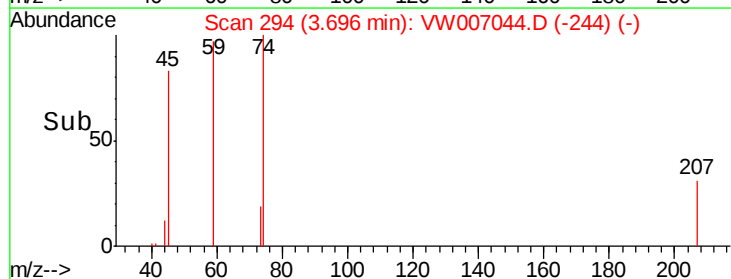
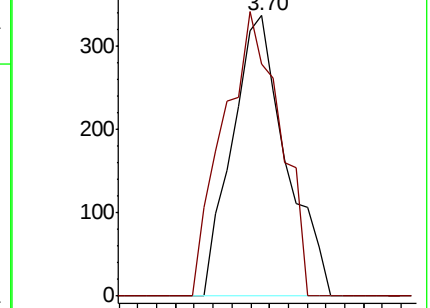
74 100

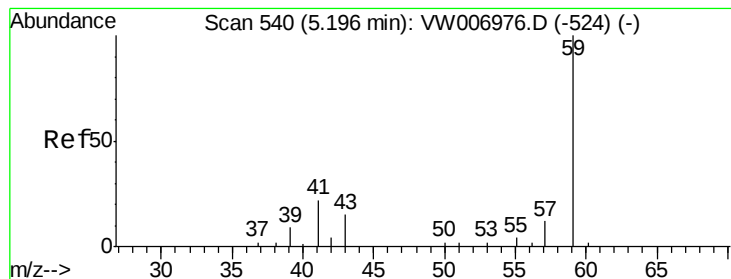
45 107.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



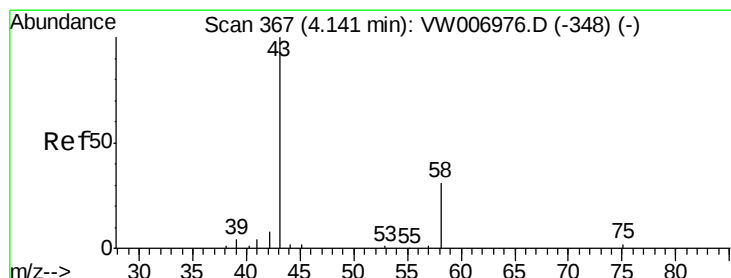
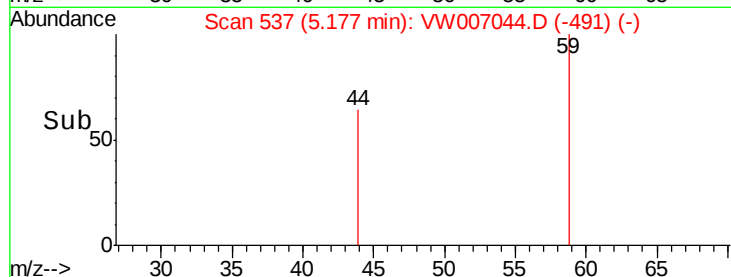
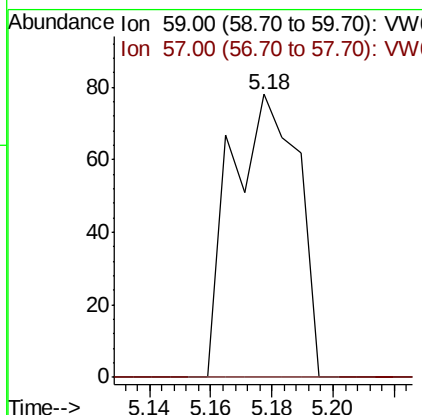
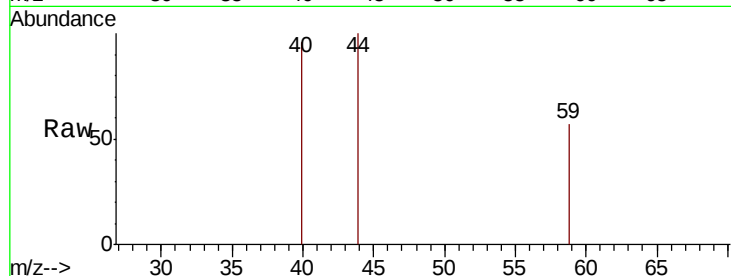


#11

Tert butyl alcohol
 Concen: 1.696 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.02 min
 Lab File: VW007044.D
 Acq: 26 Nov 2018 13:52

Instrument :
 MSVOA_W
 ClientSampled :
 VOC-1RE

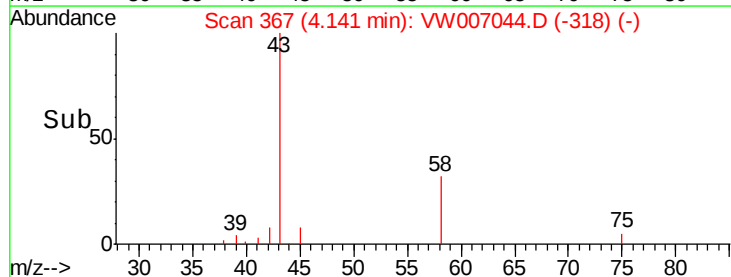
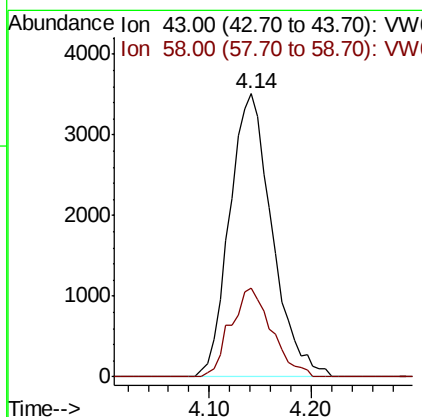
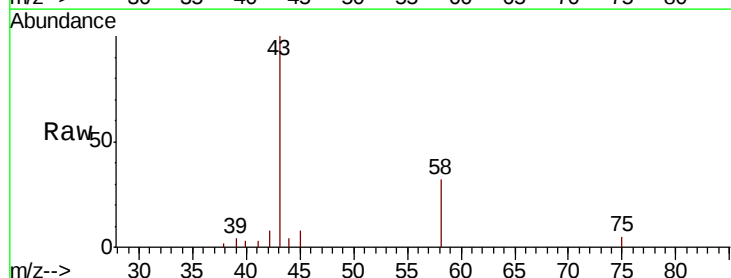
Tot Ion: 59 Resp: 119
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

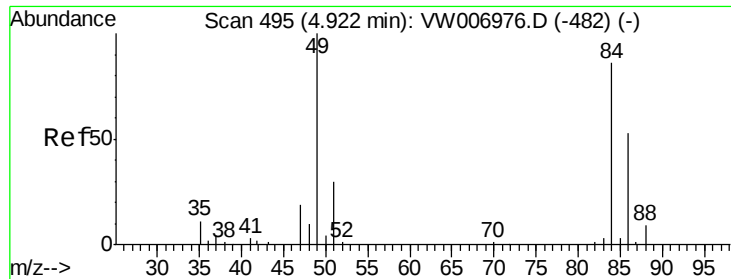


#16

Acetone
 Concen: 64.829 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VW007044.D
 Acq: 26 Nov 2018 13:52

Tgt Ion: 43 Resp: 10146
 Ion Ratio Lower Upper
 43 100
 58 31.6 24.8 37.2





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007044.D

Acq: 26 Nov 2018 13:52

Instrument :

MSVOA_W

ClientSampleId :

VOC-1RE

Tot Ion: 84 Resp: 5336

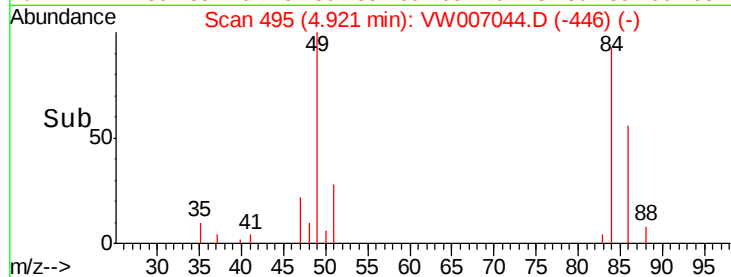
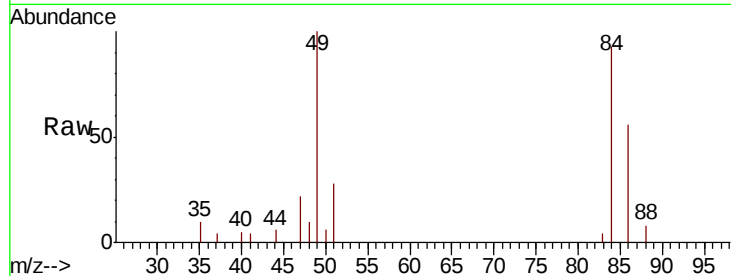
Ion Ratio Lower Upper

84 100

49 103.8 93.4 140.0

51 30.0 28.4 42.6

86 59.9 49.8 74.8

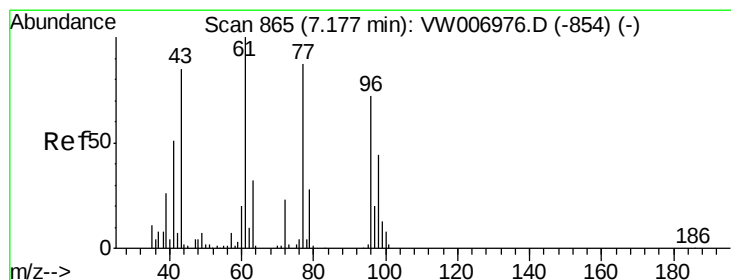
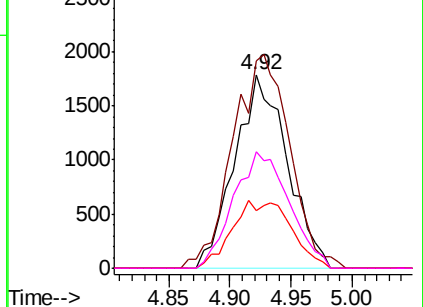


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.701 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW007044.D

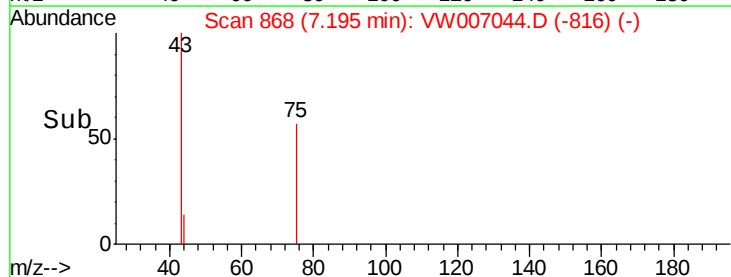
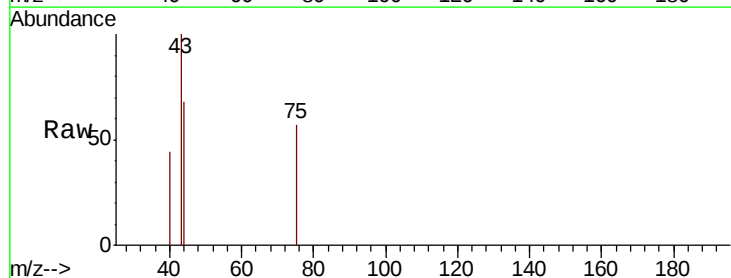
Acq: 26 Nov 2018 13:52

Tgt Ion: 43 Resp: 456

Ion Ratio Lower Upper

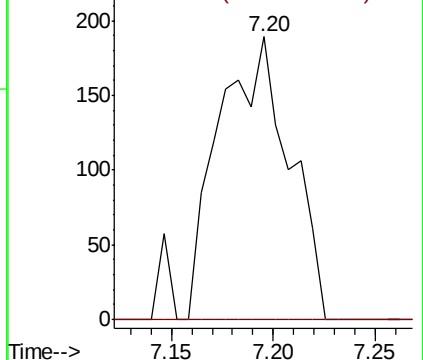
43 100

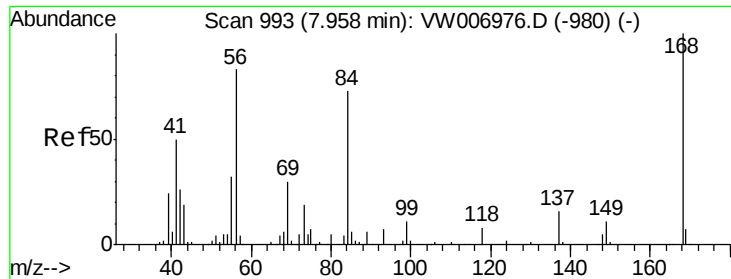
72 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

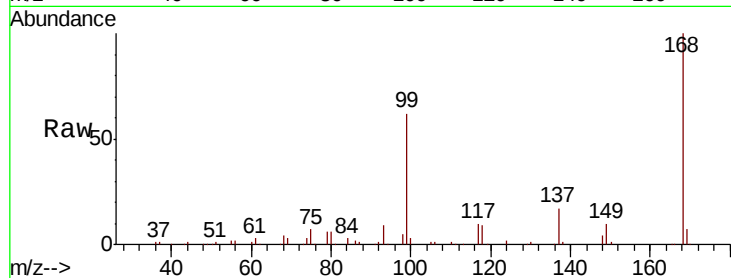




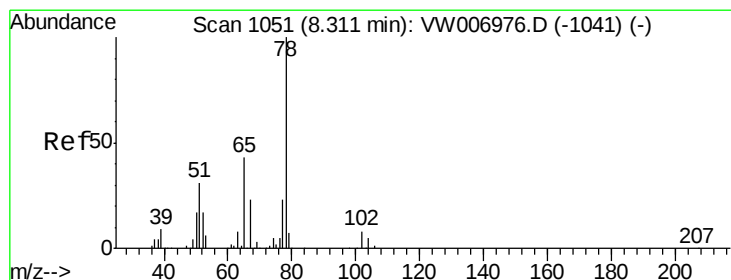
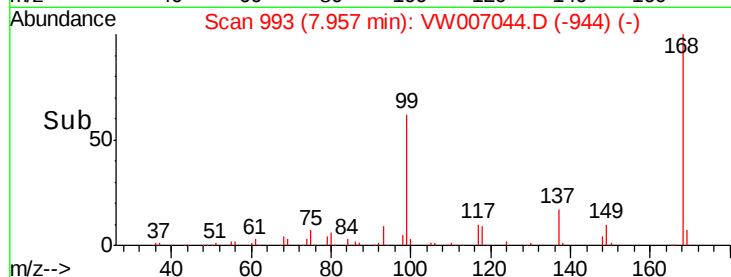
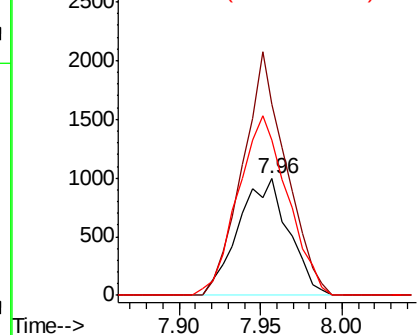
#31
Cyclohexane
Concen: 1.030 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007044.D
Acq: 26 Nov 2018 13:52

Instrument :
MSVOA_W
ClientSampled :
VOC-1RE

Tot Ion: 56 Resp: 2138
Ion Ratio Lower Upper
56 100
69 163.9 29.1 43.7#
84 133.3 70.6 105.8#

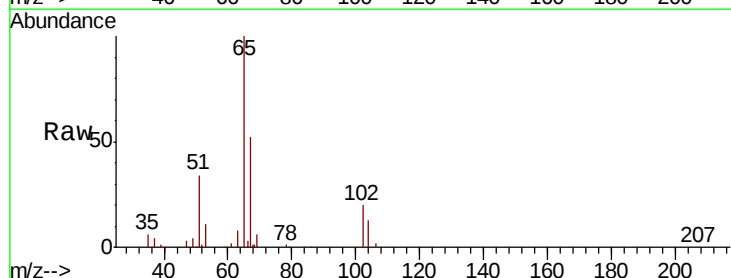


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

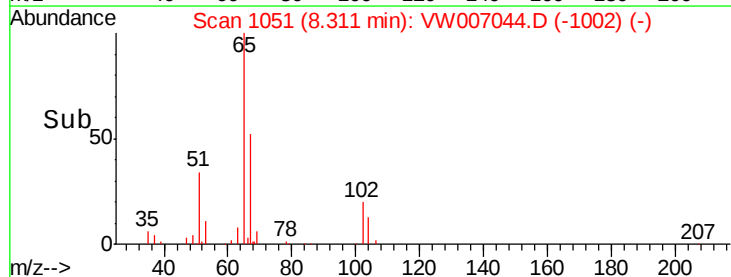
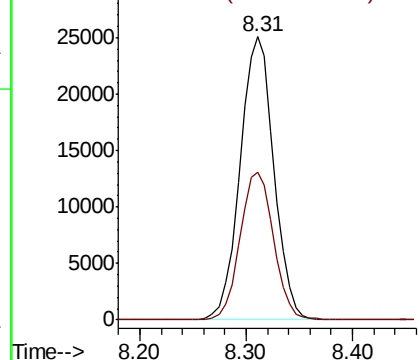


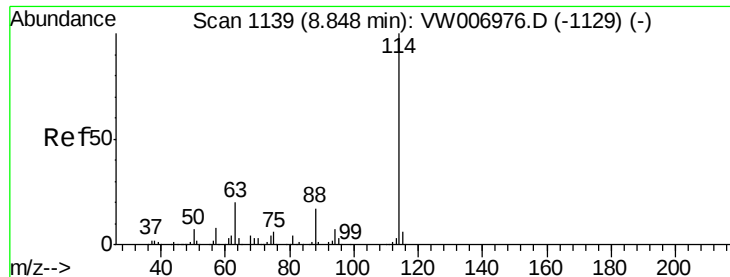
#33
1,2-Dichloroethane-d4
Concen: 51.687 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW007044.D
Acq: 26 Nov 2018 13:52

Tgt Ion: 65 Resp: 55715
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.2



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

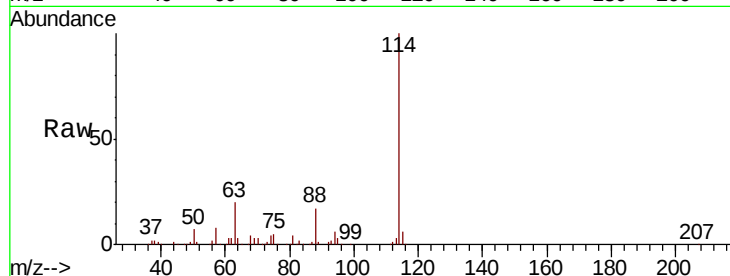




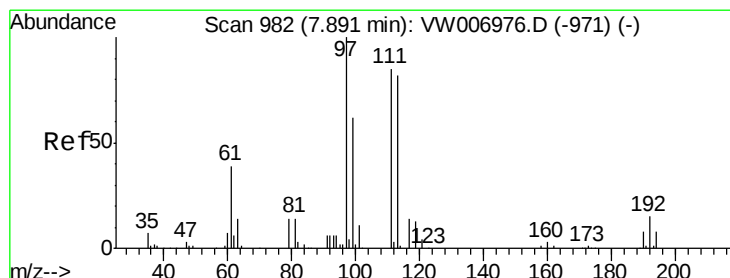
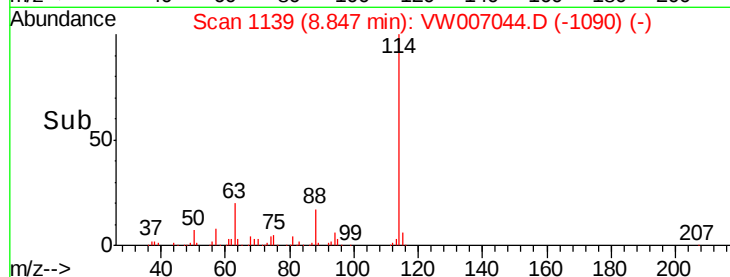
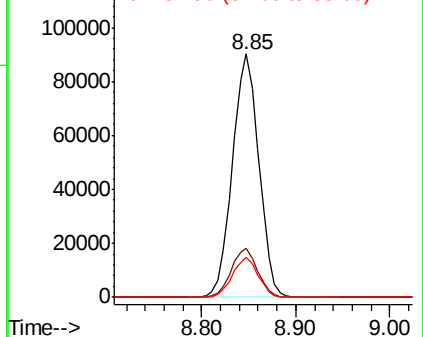
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007044.D
 Acq: 26 Nov 2018 13:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-1RE

Tot Ion:114 Resp: 175745
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.4
 88 16.6 0.0 34.2

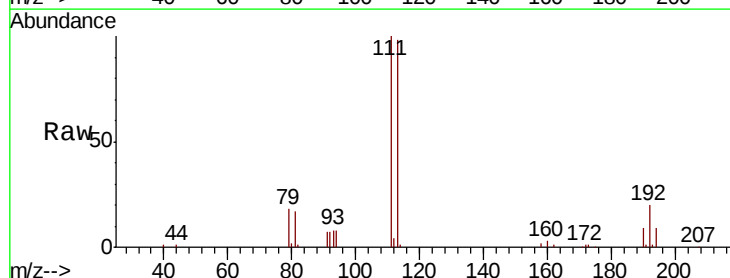


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

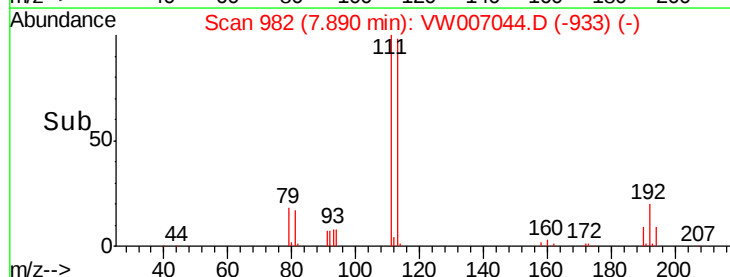
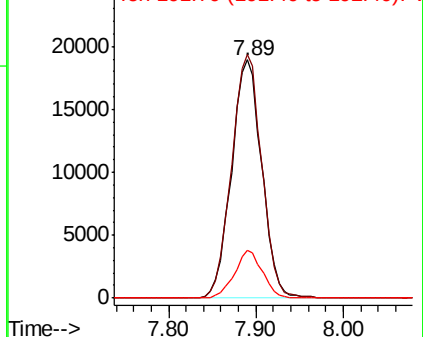


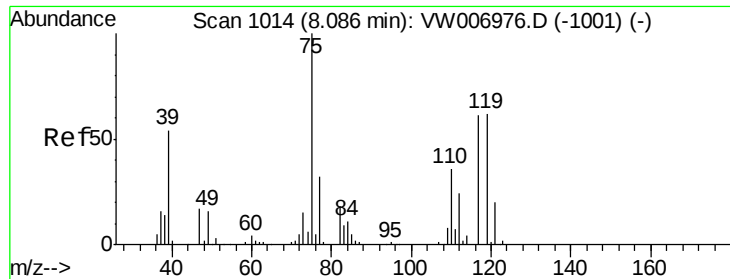
#35
 Dibromofluoromethane
 Concen: 45.746 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007044.D
 Acq: 26 Nov 2018 13:52

Tgt Ion:113 Resp: 45402
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.0 121.6
 192 18.5 15.0 22.6



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

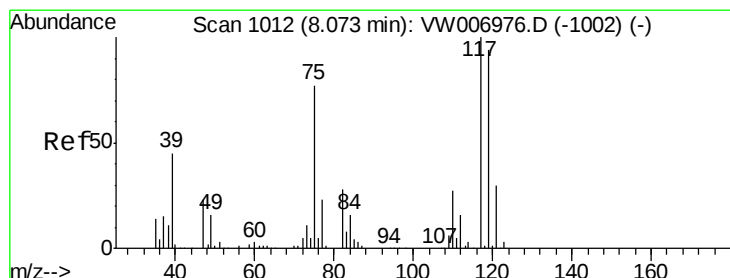
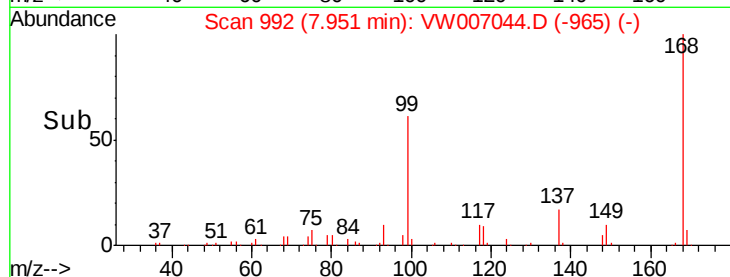
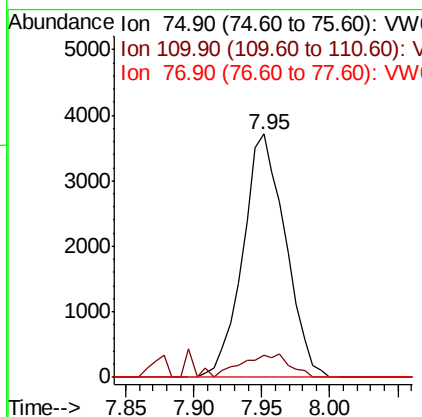
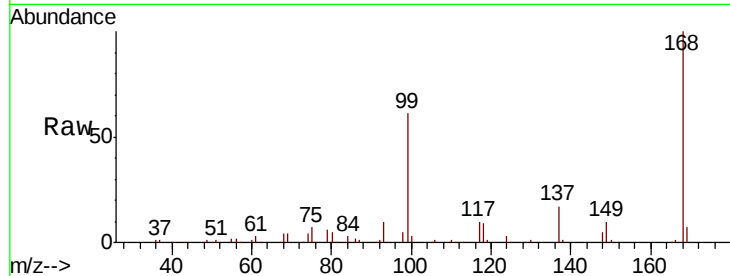




#36
 1,1-Dichloropropene
 Concen: 4.732 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007044.D
 Acq: 26 Nov 2018 13:52

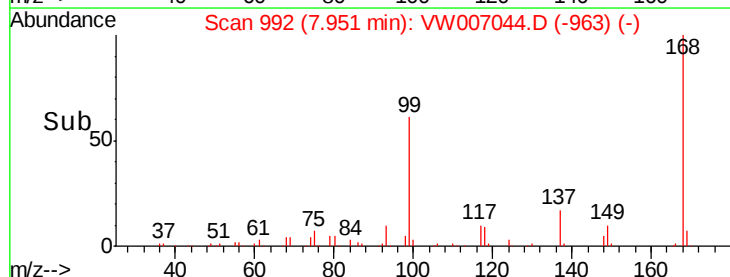
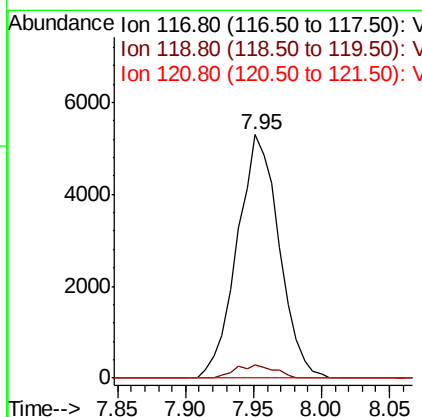
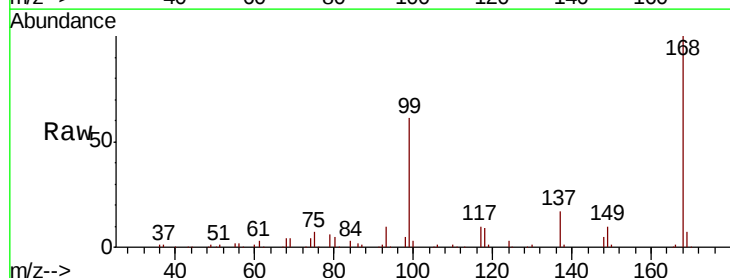
Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-1RE

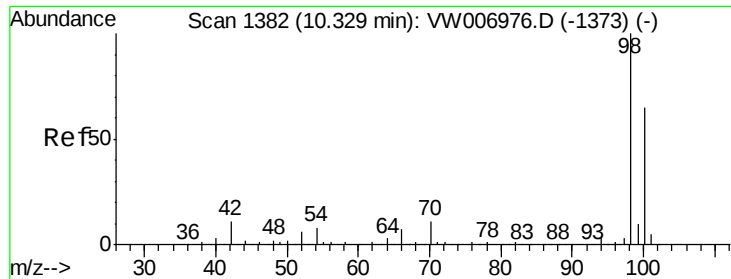
Tot Ion	75	Resp	8127
Ion Ratio	Lower	Upper	
75	100		
110	10.6	18.0	54.0#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.957 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007044.D
 Acq: 26 Nov 2018 13:52

Tgt Ion	117	Resp	11442
Ion Ratio	Lower	Upper	
117	100		
119	5.3	74.9	112.3#
121	0.0	23.6	35.4#





#50

Toluene-d8

Concen: 42.324 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007044.D

Acq: 26 Nov 2018 13:52

Instrument :

MSVOA_W

ClientSampleId :

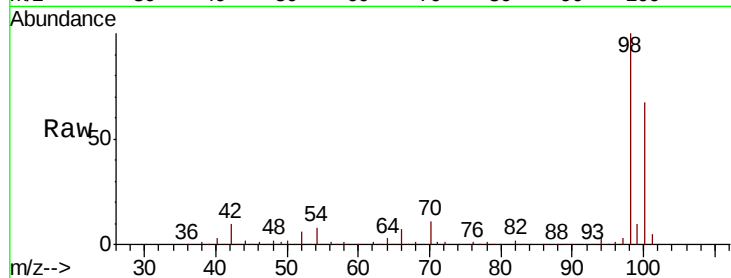
VOC-1RE

Tot Ion: 98 Resp: 185492

Ion Ratio Lower Upper

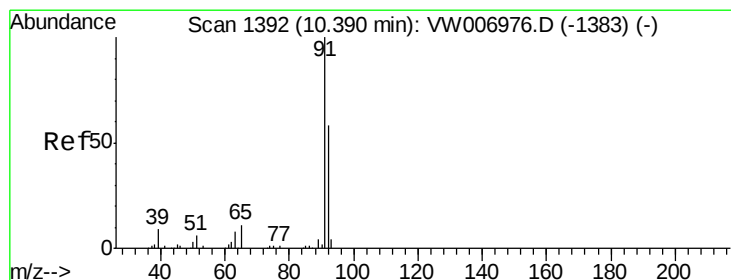
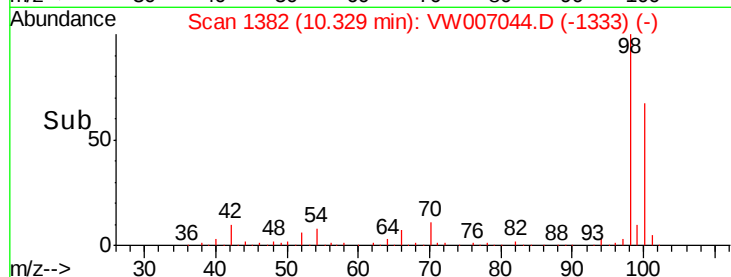
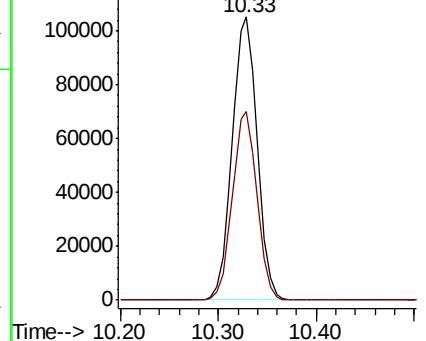
98 100

100 65.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.374 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007044.D

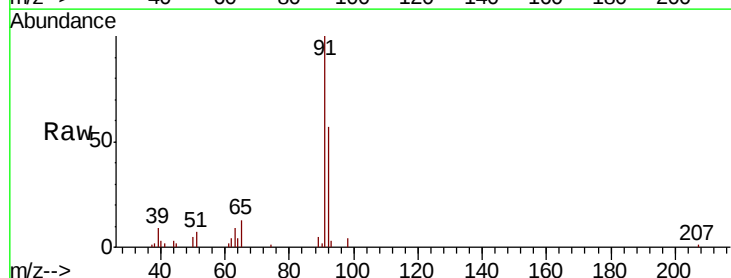
Acq: 26 Nov 2018 13:52

Tgt Ion: 92 Resp: 4335

Ion Ratio Lower Upper

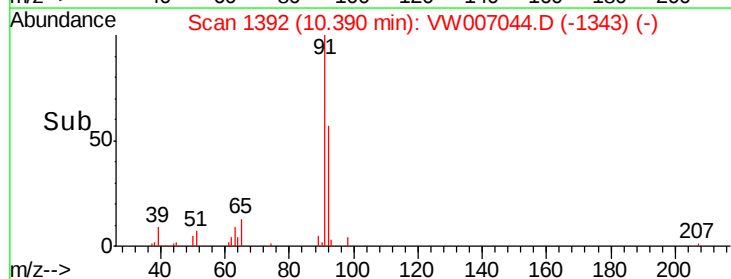
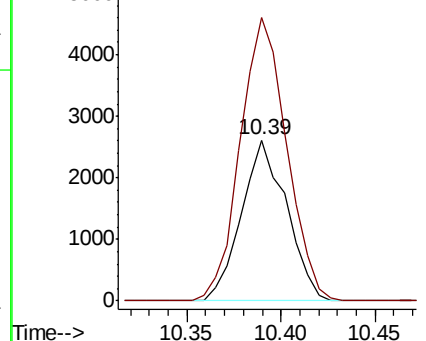
92 100

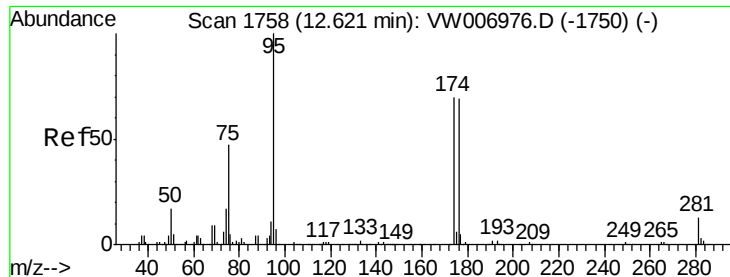
91 181.1 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

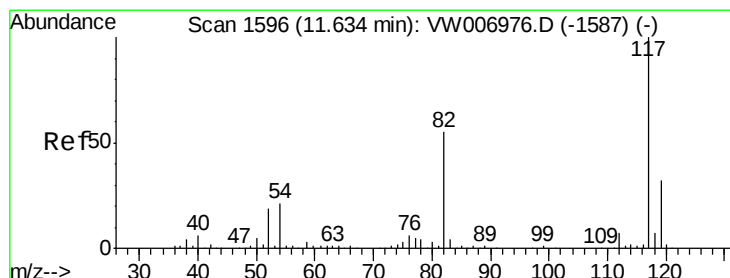
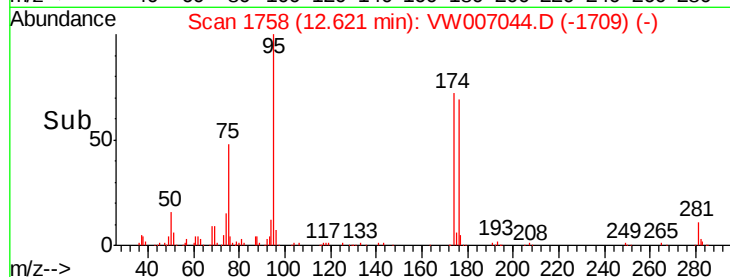
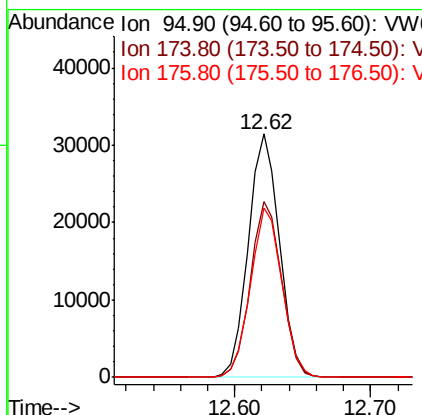
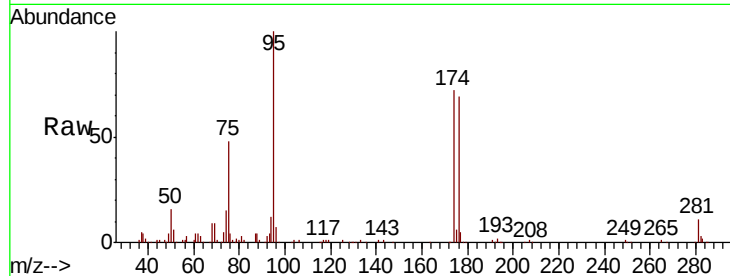




#62
4-Bromofluorobenzene
Concen: 29.339 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007044.D
Acq: 26 Nov 2018 13:52

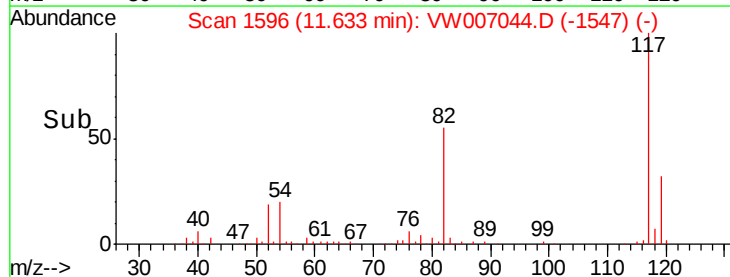
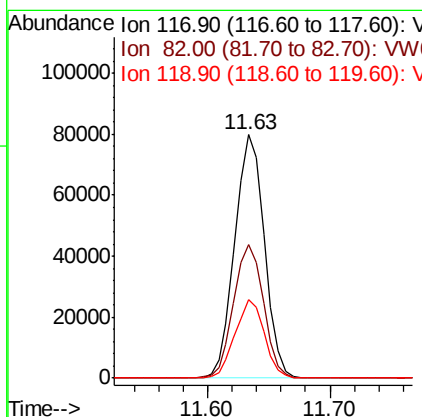
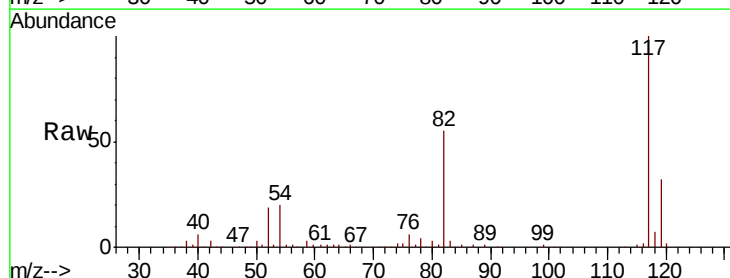
Instrument :
MSVOA_W
ClientSampleId :
VOC-1RE

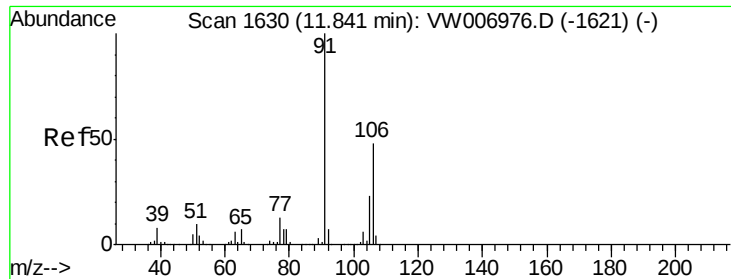
Tot Ion: 95 Resp: 50600
Ion Ratio Lower Upper
95 100
174 72.3 0.0 143.6
176 70.4 0.0 140.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007044.D
Acq: 26 Nov 2018 13:52

Tgt Ion: 117 Resp: 133856
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 32.3 25.9 38.9

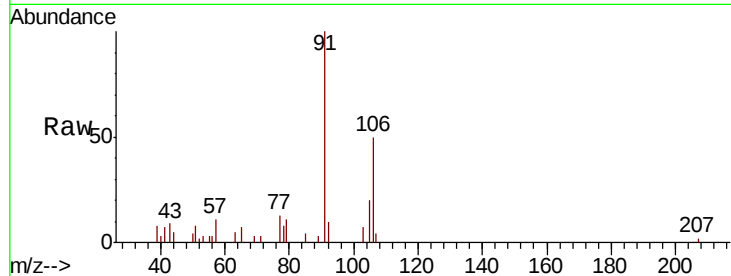




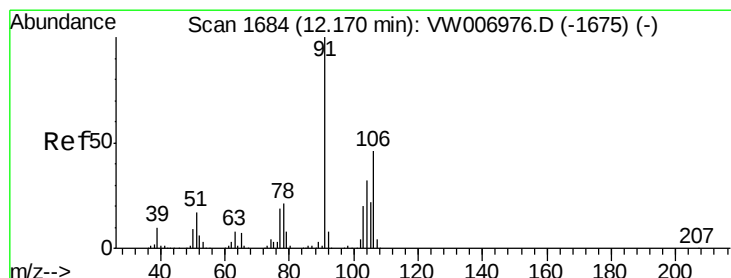
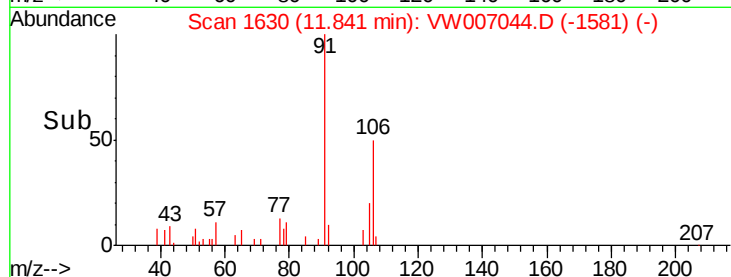
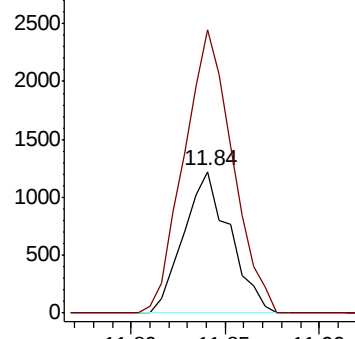
#68
m/p-Xylenes
Concen: 1.028 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007044.D
Acq: 26 Nov 2018 13:52

Instrument :
MSVOA_W
ClientSampled :
VOC-1RE

Tot Ion:106 Resp: 2069
Ion Ratio Lower Upper
106 100
91 211.2 164.8 247.2

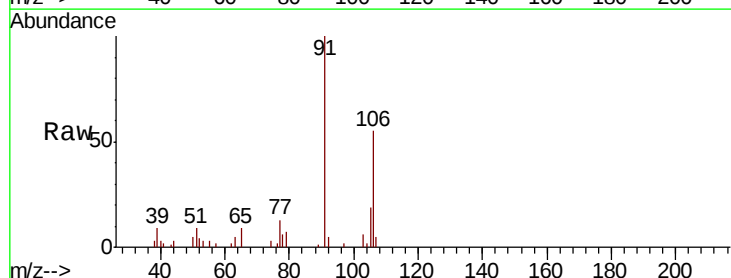


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

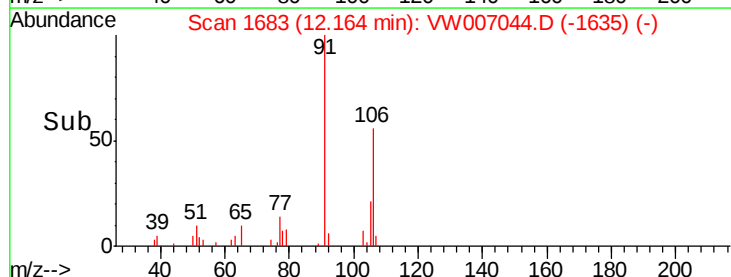
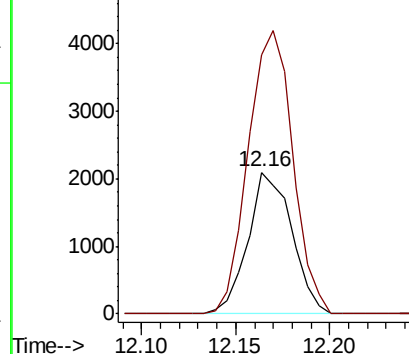


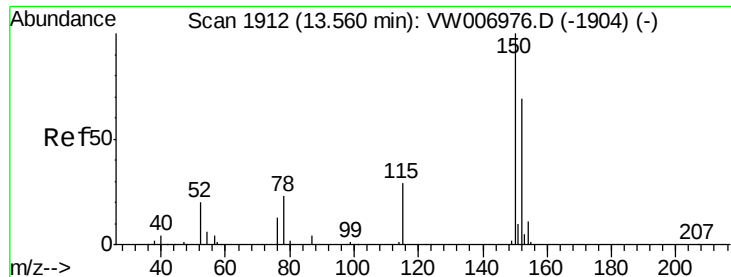
#69
o-Xylene
Concen: 1.785 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007044.D
Acq: 26 Nov 2018 13:52

Tgt Ion:106 Resp: 3390
Ion Ratio Lower Upper
106 100
91 202.8 107.9 323.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007044.D

Acq: 26 Nov 2018 13:52

Instrument :

MSVOA_W

ClientSampleId :

VOC-1RE

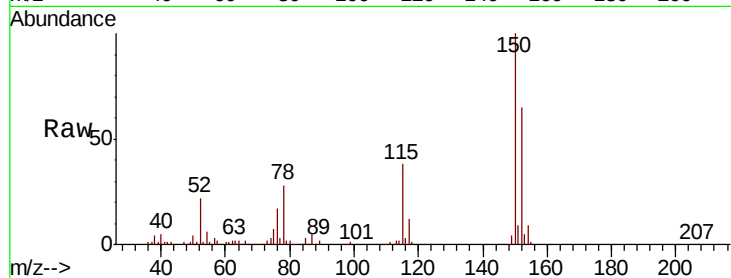
Tot Ion:152 Resp: 36958

Ion Ratio Lower Upper

152 100

115 62.1 31.4 94.2

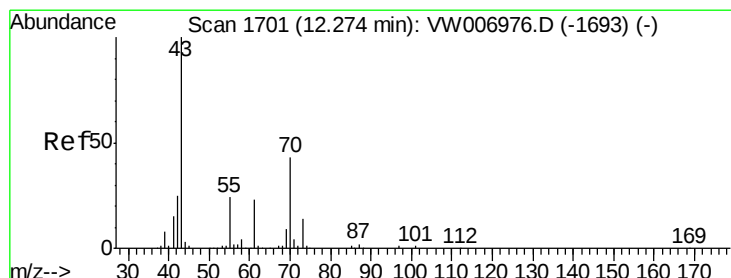
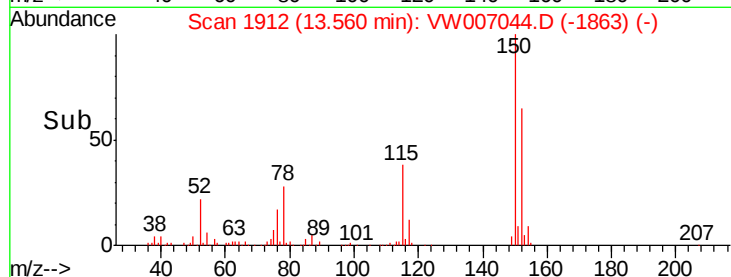
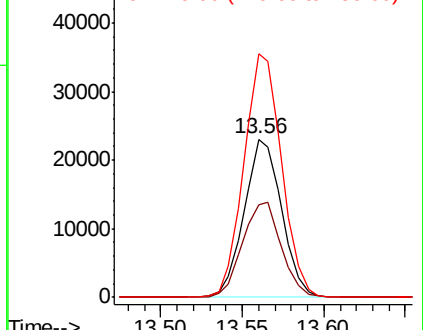
150 154.7 0.0 353.4



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



#74

N-ethyl acetate

Concen: 1.159 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW007044.D

Acq: 26 Nov 2018 13:52

Tgt Ion: 43 Resp: 558

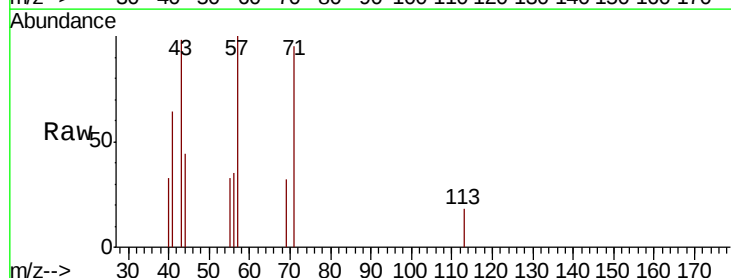
Ion Ratio Lower Upper

43 100

70 8.6 34.0 51.0#

55 16.5 19.4 29.0#

61 0.0 19.4 29.2#

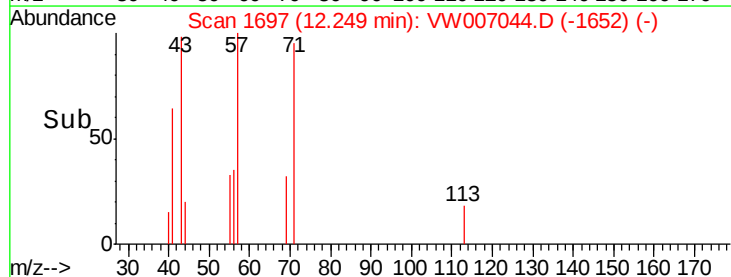
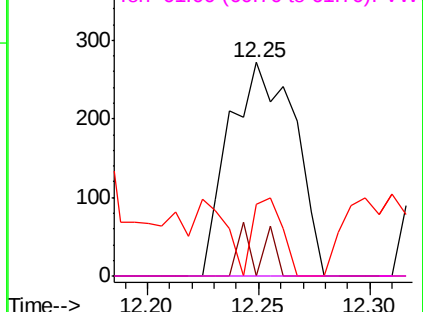


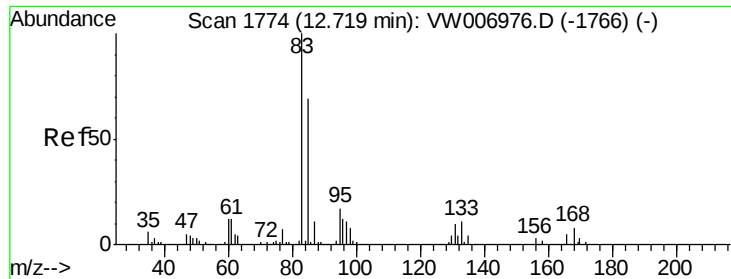
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.091 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.21 min

Lab File: VW007044.D

Acq: 26 Nov 2018 13:52

Instrument :

MSVOA_W

ClientSampleId :

VOC-1RE

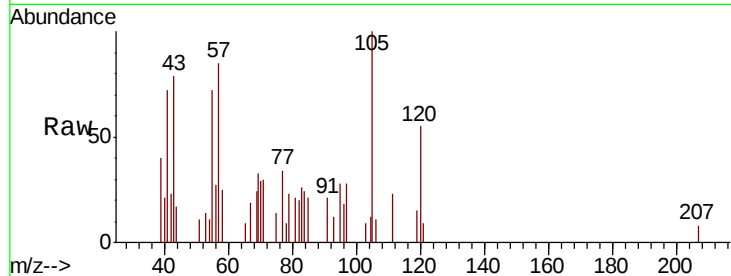
Tot Ion: 83 Resp: 417

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

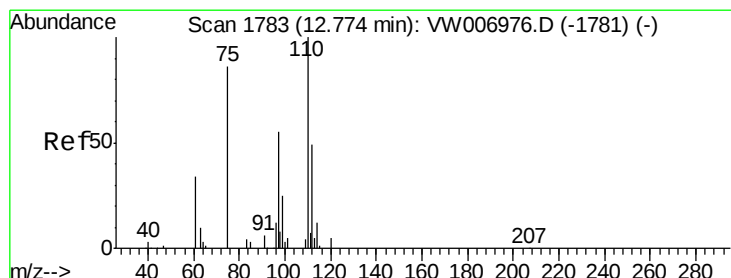
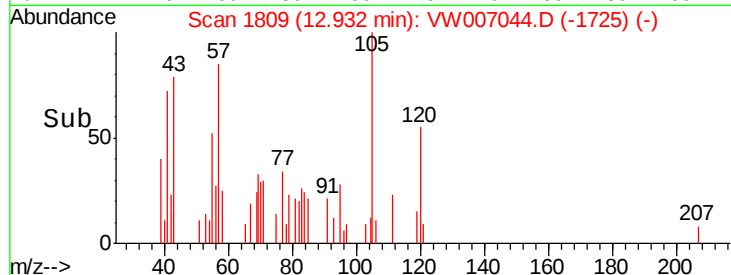
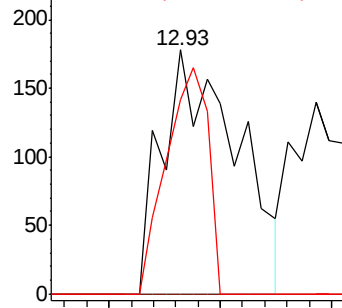
85 52.0 33.1 99.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 83.044 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007044.D

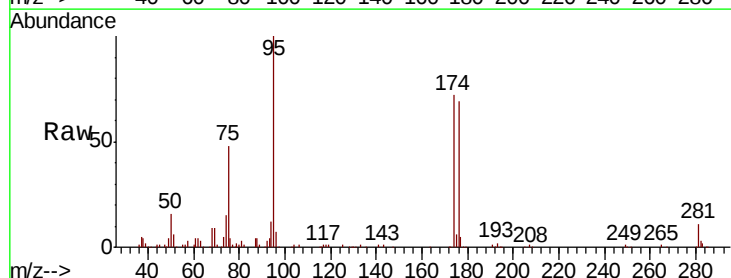
Acq: 26 Nov 2018 13:52

Tgt Ion: 75 Resp: 24117

Ion Ratio Lower Upper

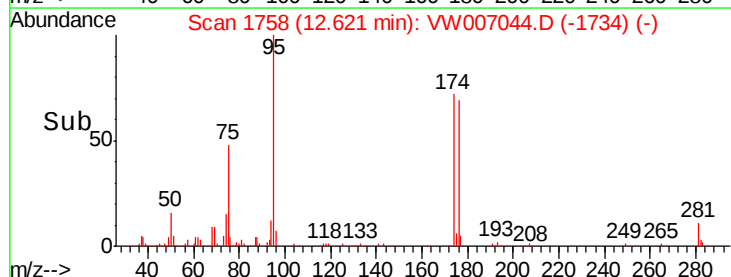
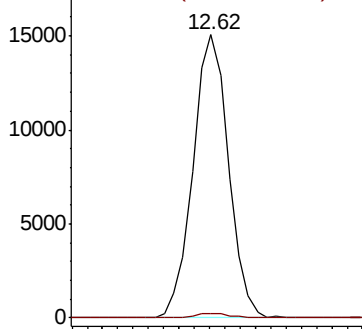
75 100

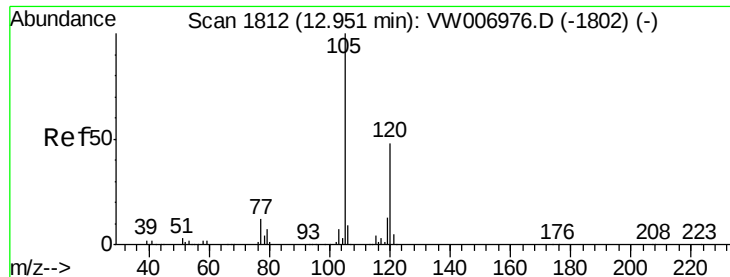
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

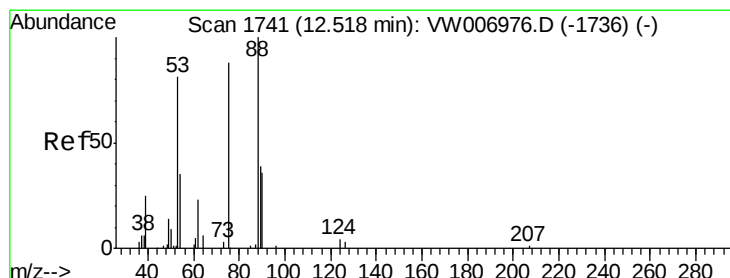
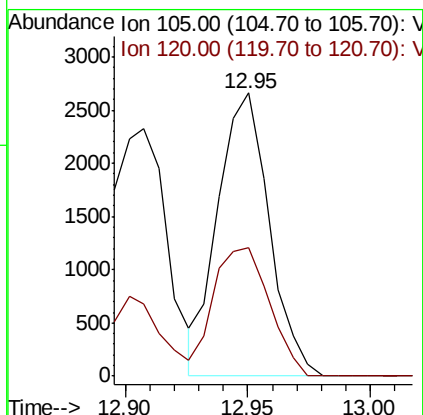
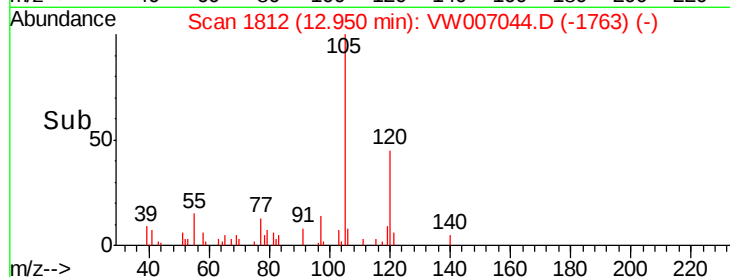
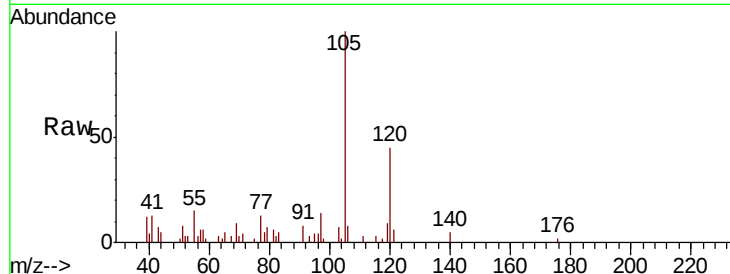




#80
 1,3,5-Trimethylbenzene
 Concen: 1.562 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007044.D
 Acq: 26 Nov 2018 13:52

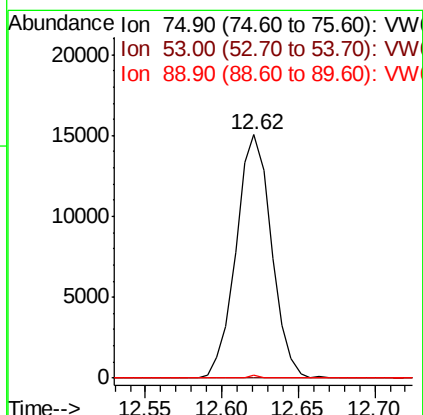
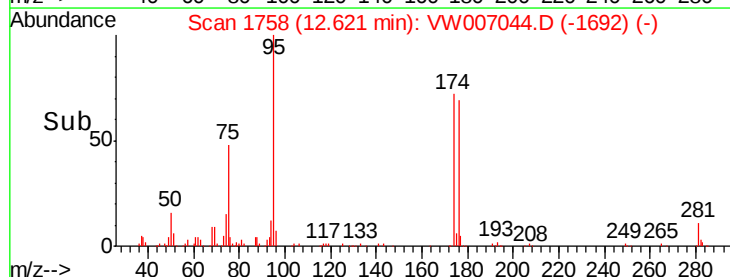
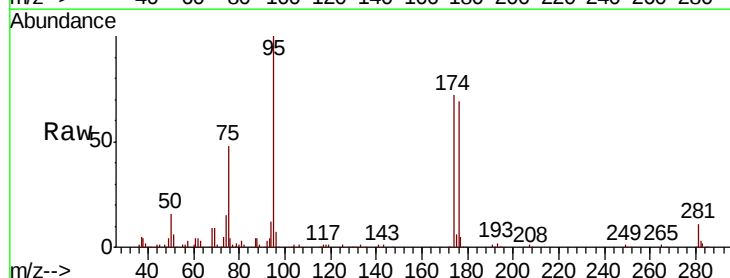
Instrument :
 MSVOA_W
 ClientSampled :
 VOC-1RE

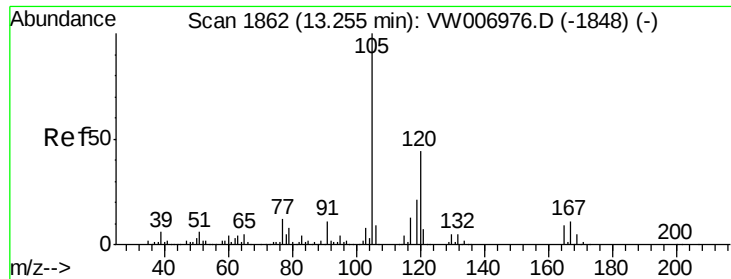
Tot Ion:105 Resp: 3879
 Ion Ratio Lower Upper
 105 100
 120 49.6 23.8 71.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 208.489 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007044.D
 Acq: 26 Nov 2018 13:52

Tgt Ion: 75 Resp: 24117
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.3 39.3 58.9#

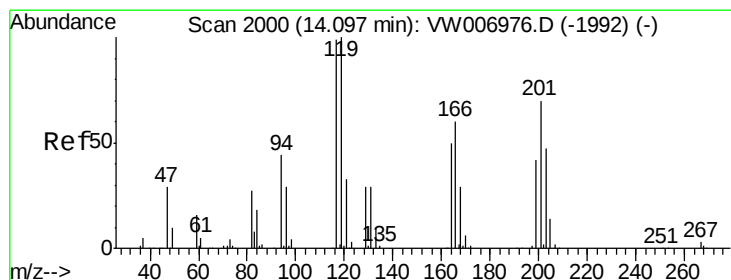
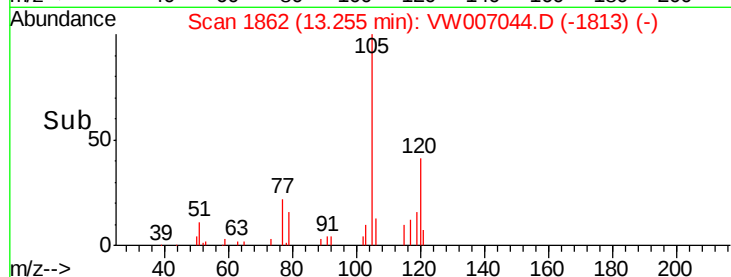
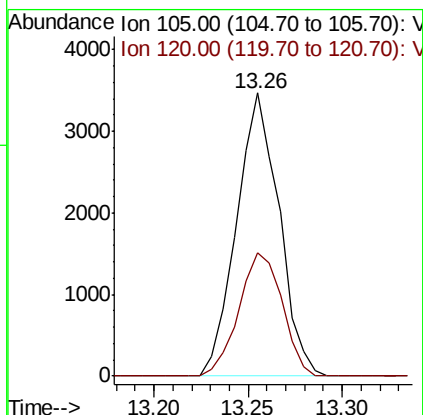
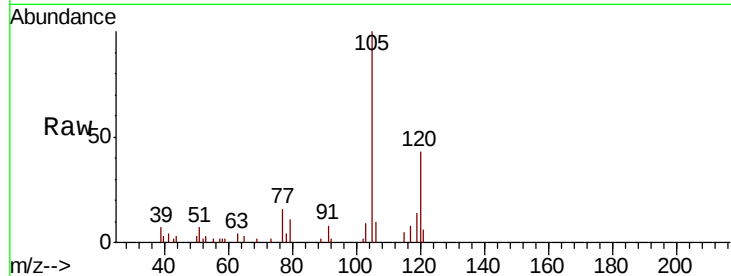




#84
 1,2,4-Trimethylbenzene
 Concen: 2.188 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007044.D
 Acq: 26 Nov 2018 13:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-1RE

Tot Ion:105 Resp: 5415
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.8 65.3



#90
 Hexachloroethane
 Concen: 1.017 ug/l
 RT: 14.10 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: VW007044.D
 Acq: 26 Nov 2018 13:52

Tgt Ion:117 Resp: 398
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.9 107.5#

