

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121518\
 Data File : VW007461.D
 Acq On : 13 Dec 2018 01:48
 Operator : SY/AP
 Sample : J6340-03
 Misc : 2.53G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-03A

Quant Time: Dec 13 04:22:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	42674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	66588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	31166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	3680	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	28286	59.75	ug/l	0.00
Spiked Amount			Recovery	=	119.50%	
35) Dibromofluoromethane	7.88	113	26632	66.07	ug/l	0.00
Spiked Amount			Recovery	=	132.14%	
50) Toluene-d8	10.32	98	56428	37.34	ug/l	0.00
Spiked Amount			Recovery	=	74.68%	
62) 4-Bromofluorobenzene	12.62	95	6878	12.38	ug/l	0.00
Spiked Amount			Recovery	=	24.76%	

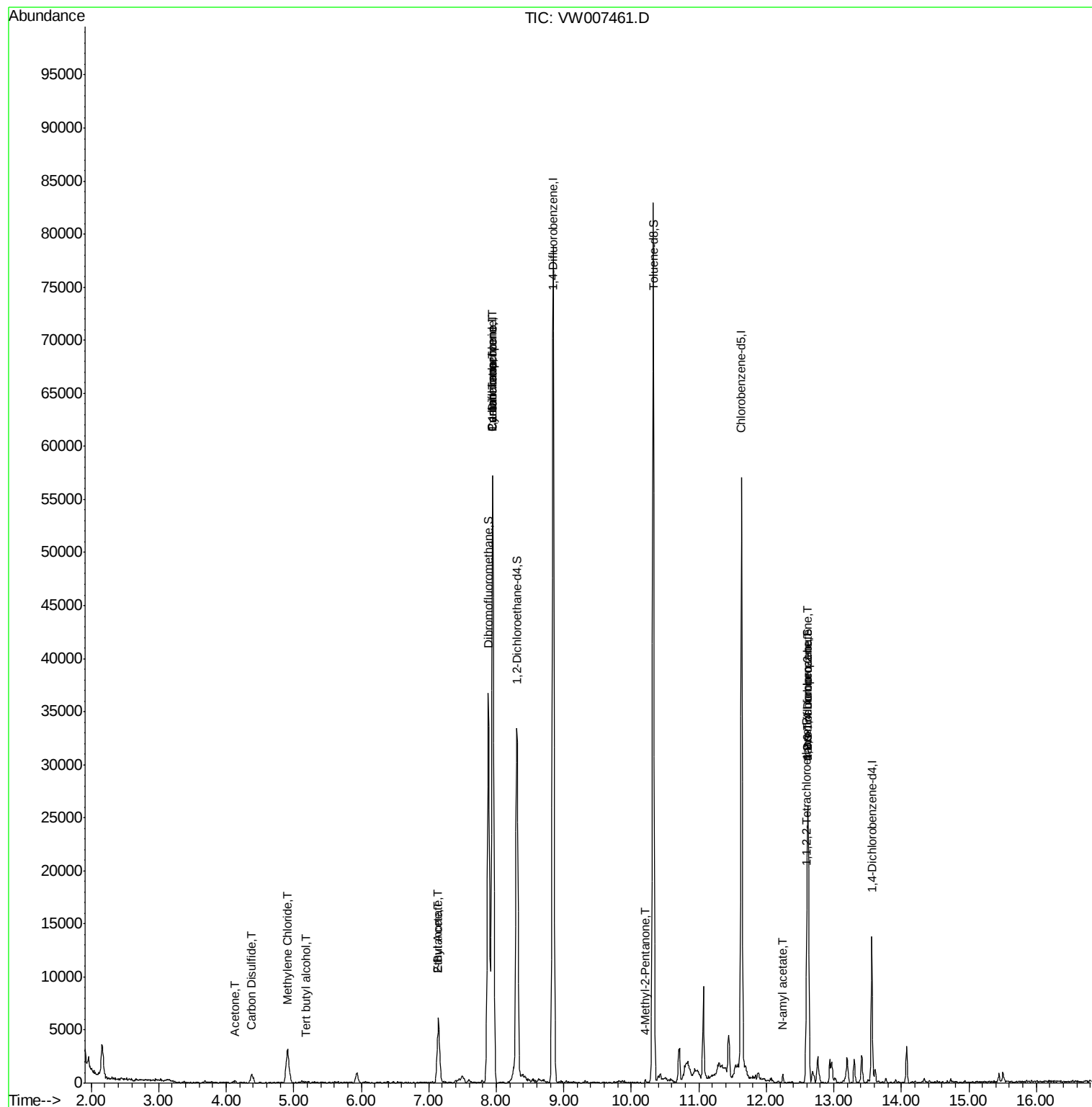
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	48	1.476	ug/l #	74
16) Acetone	4.13	43	361	4.365	ug/l #	44
17) Carbon Disulfide	4.38	76	1377	1.085	ug/l #	90
20) Methylene Chloride	4.91	84	2566	1.906	ug/l	88
25) 2-Butanone	7.14	43	297	2.751	ug/l #	45
31) Cyclohexane	7.95	56	851	1.157	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	3318	5.462	ug/l #	50
37) Ethyl Acetate	7.14	43	297	1.315	ug/l #	7
38) Carbon Tetrachloride	7.95	117	4471	6.765	ug/l #	16
51) 4-Methyl-2-Pentanone	10.22	43	338	1.603	ug/l #	45
74) N-amyl acetate	12.24	43	151	2.947	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.60	83	205	4.909	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	3533	116.437	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	3533	257.210	ug/l #	7

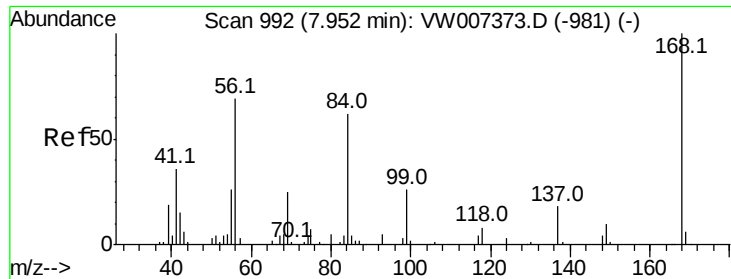
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 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: VW007461.D

Acq: 13 Dec 2018 01:48

Instrument :

MSVOA_W

ClientSampleId :

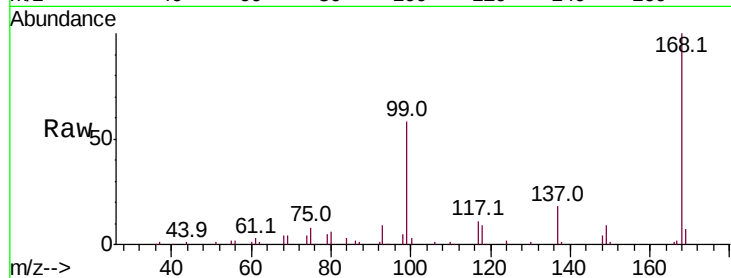
SB-03A

Tot Ion:168 Resp: 42674

Ion Ratio Lower Upper

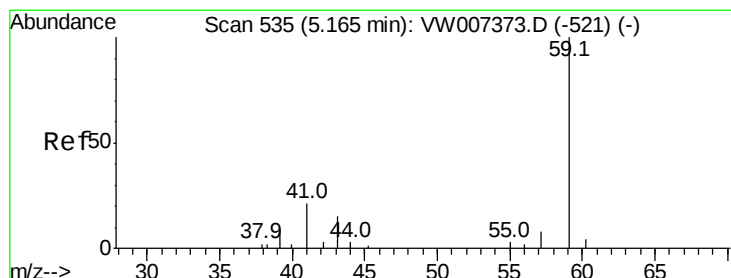
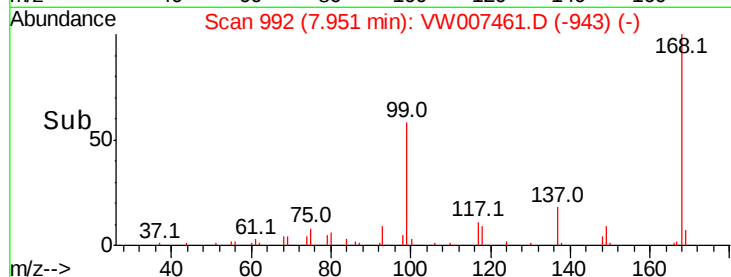
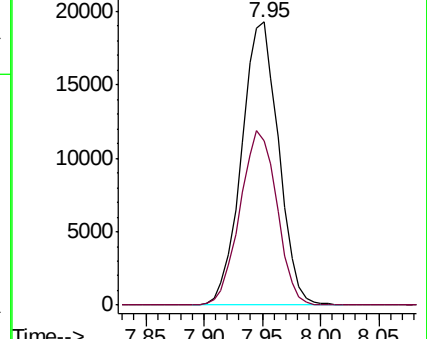
168 100

99 58.2 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.476 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW007461.D

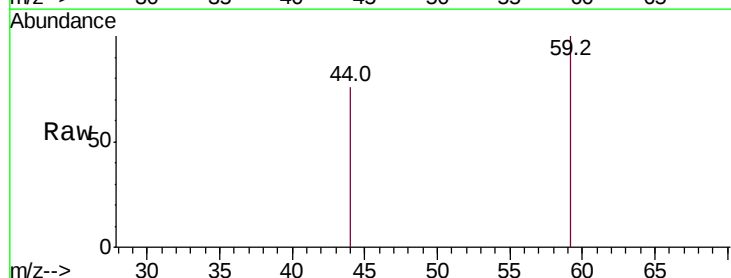
Acq: 13 Dec 2018 01:48

Tgt Ion: 59 Resp: 48

Ion Ratio Lower Upper

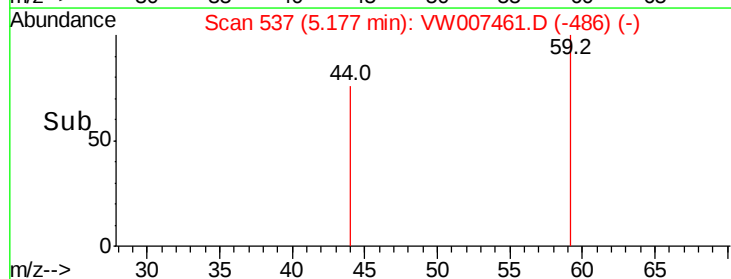
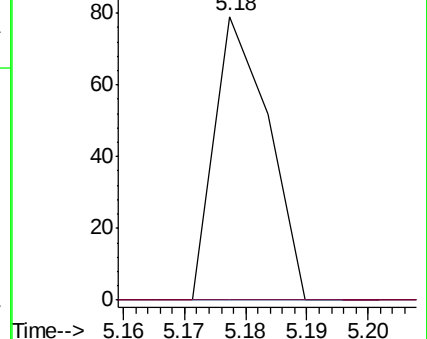
59 100

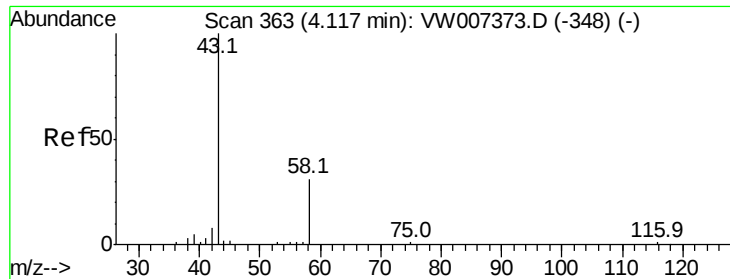
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 4.365 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW007461.D

Acq: 13 Dec 2018 01:48

Instrument :

MSVOA_W

ClientSampled :

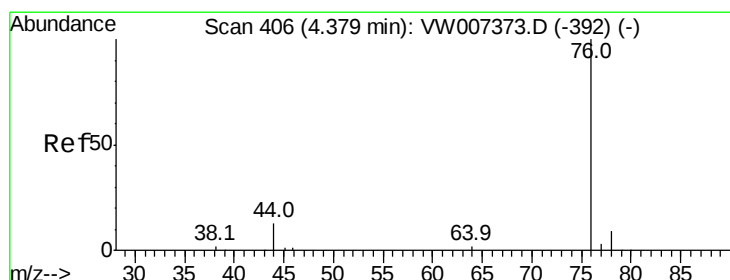
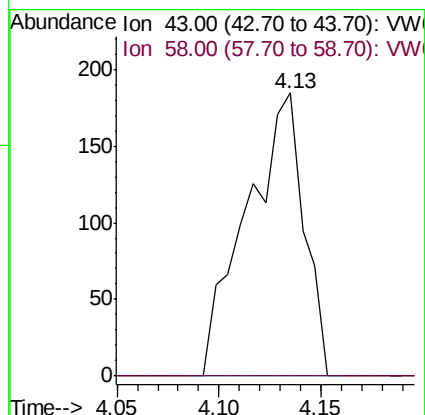
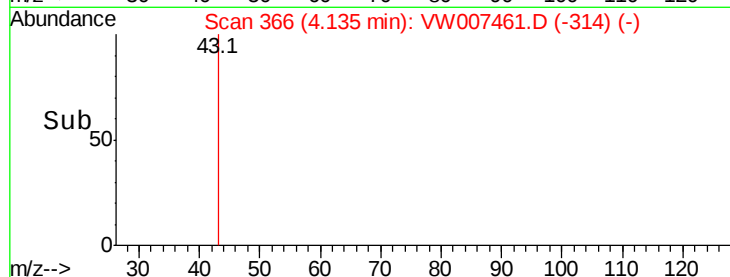
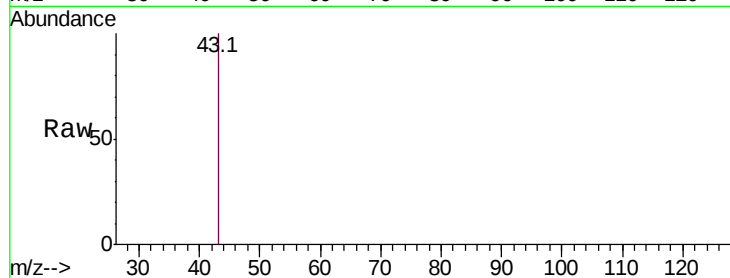
SB-03A

Tot Ion: 43 Resp: 361

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



#17

Carbon Disulfide

Concen: 1.085 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW007461.D

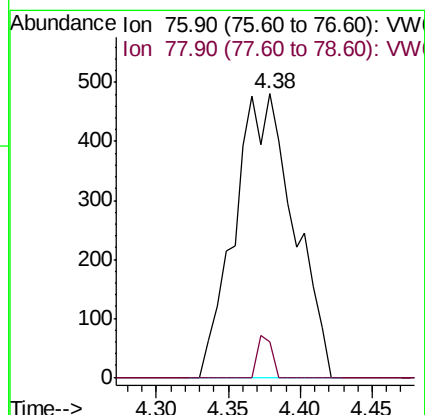
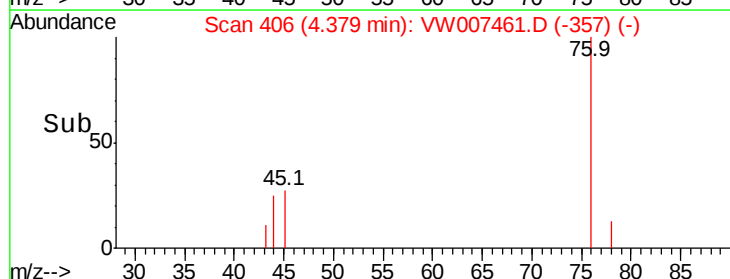
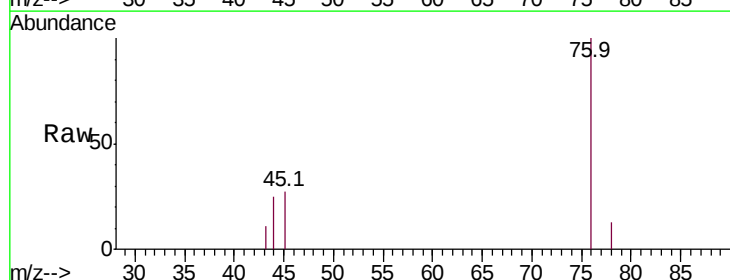
Acq: 13 Dec 2018 01:48

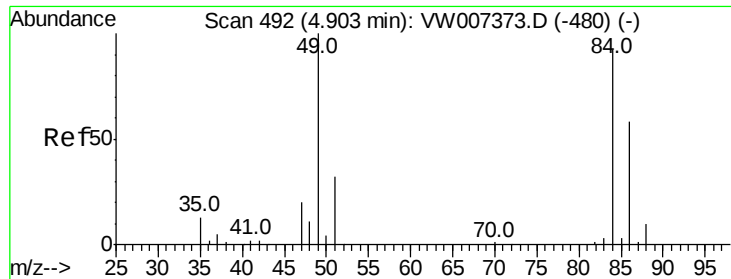
Tgt Ion: 76 Resp: 1377

Ion Ratio Lower Upper

76 100

78 12.7 7.1 10.7#

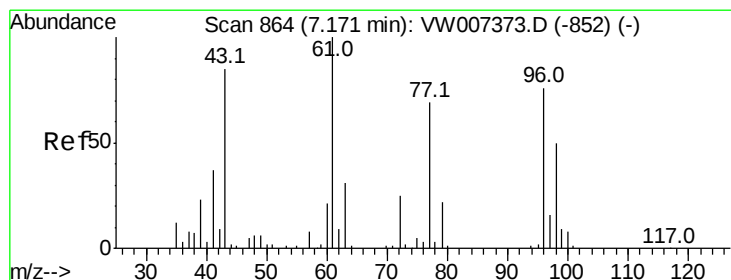
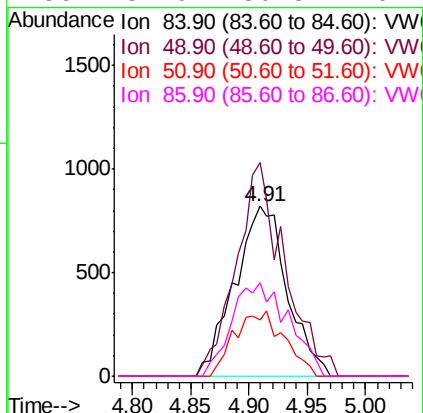
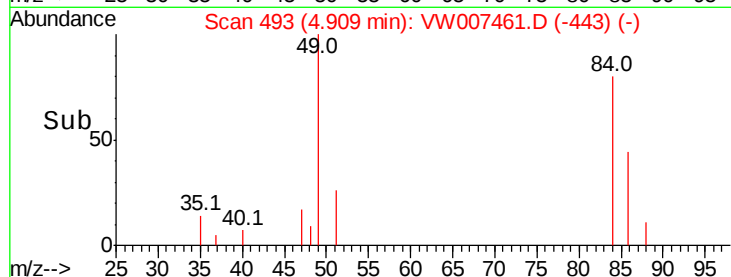
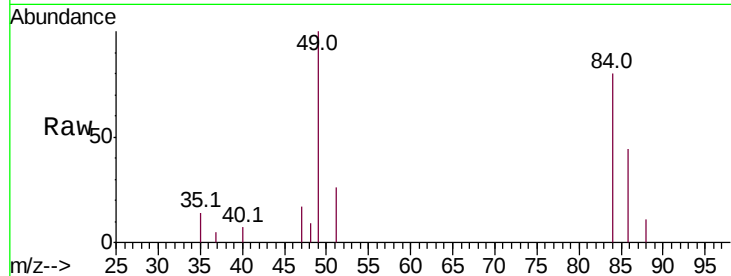




#20
Methvlene Chloride
Concen: 1.906 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007461.D
Acq: 13 Dec 2018 01:48

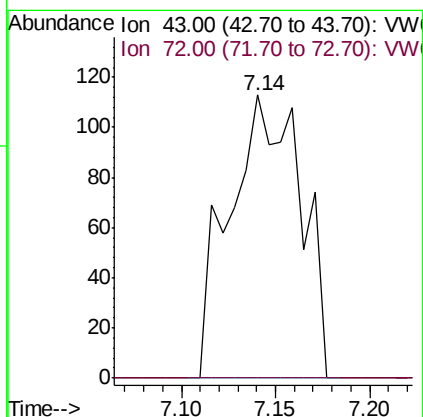
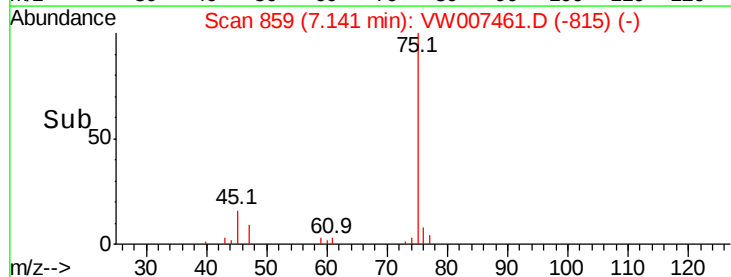
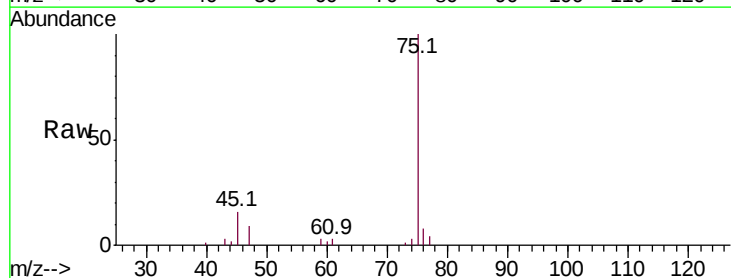
Instrument :
MSVOA_W
ClientSampled :
SB-03A

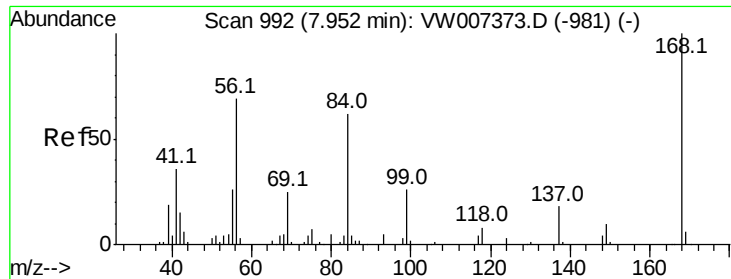
Tot Ion: 84 Resp: 2566
Ion Ratio Lower Upper
84 100
49 125.6 87.1 130.7
51 33.3 28.2 42.2
86 54.9 50.8 76.2



#25
2-Butanone
Concen: 2.751 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW007461.D
Acq: 13 Dec 2018 01:48

Tgt Ion: 43 Resp: 297
Ion Ratio Lower Upper
43 100
72 0.0 23.4 35.2#

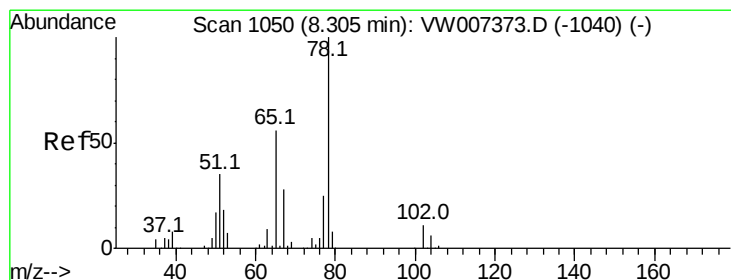
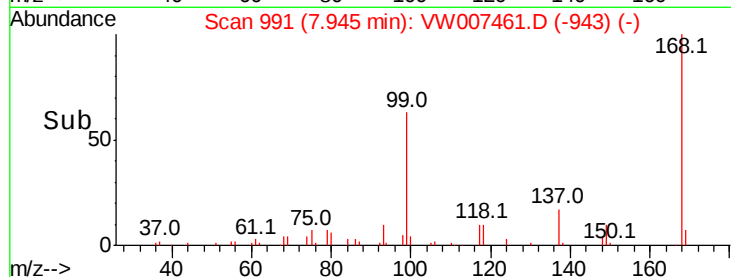
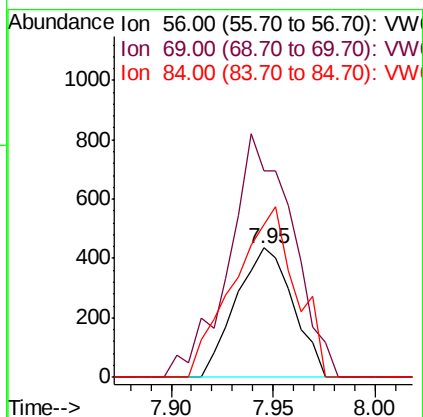
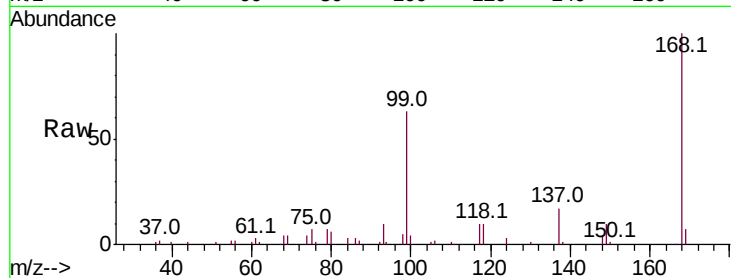




#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007461.D
Acq: 13 Dec 2018 01:48

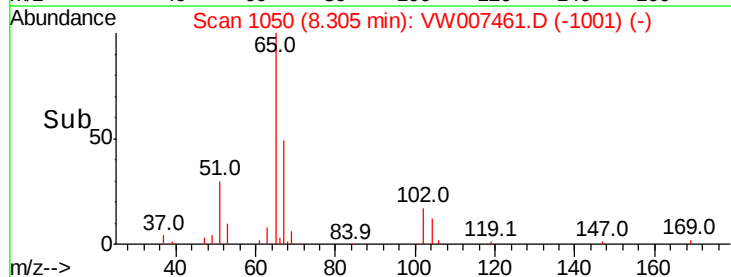
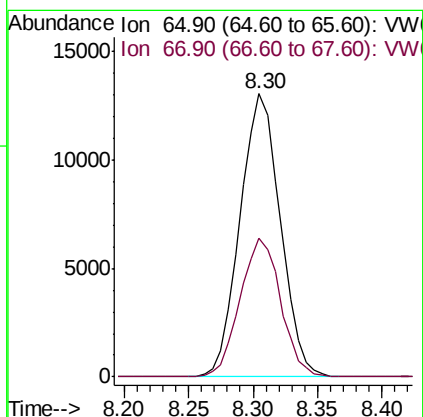
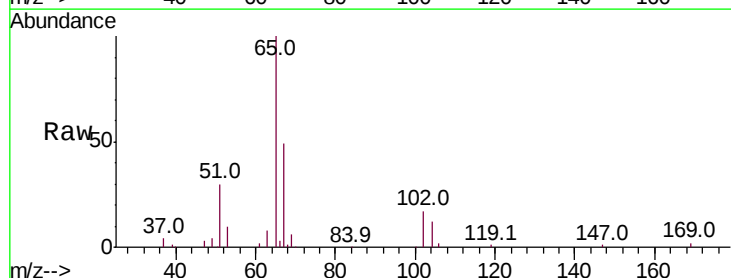
Instrument :
MSVOA_W
ClientSampled :
SB-03A

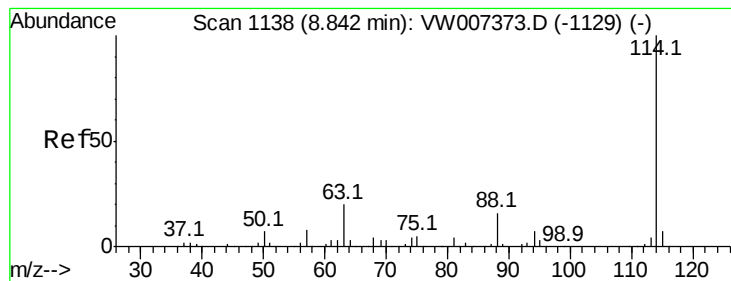
Tot Ion: 56 Resp: 851
Ion Ratio Lower Upper
56 100
69 159.4 28.9 43.3#
84 118.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 59.746 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007461.D
Acq: 13 Dec 2018 01:48

Tgt Ion: 65 Resp: 28286
Ion Ratio Lower Upper
65 100
67 49.4 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007461.D

Acq: 13 Dec 2018 01:48

Instrument :

MSVOA_W

ClientSampleId :

SB-03A

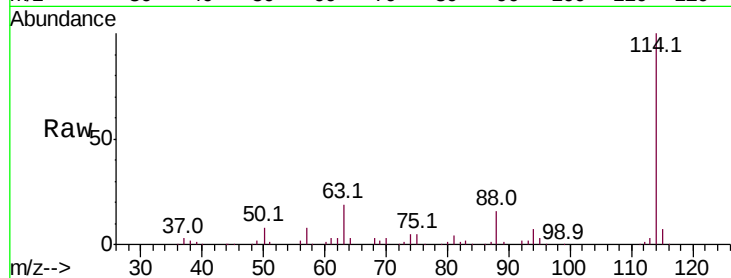
Tot Ion:114 Resp: 66588

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

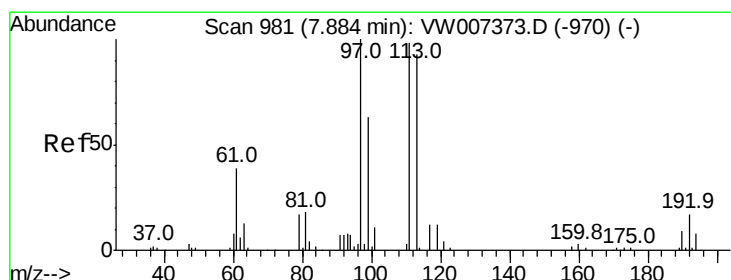
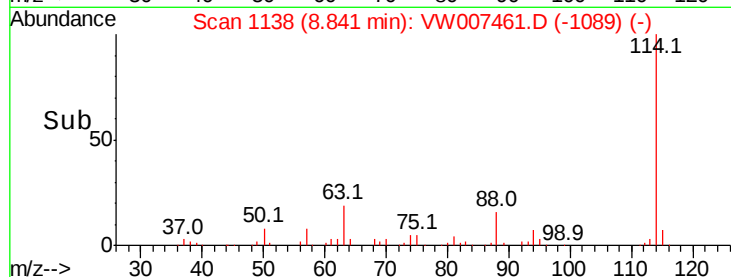
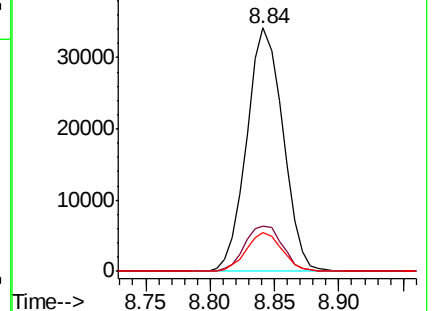
88 16.1 0.0 31.4



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: 66.071 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007461.D

Acq: 13 Dec 2018 01:48

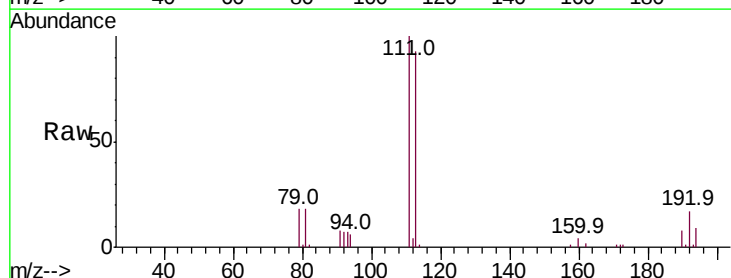
Tgt Ion:113 Resp: 26632

Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

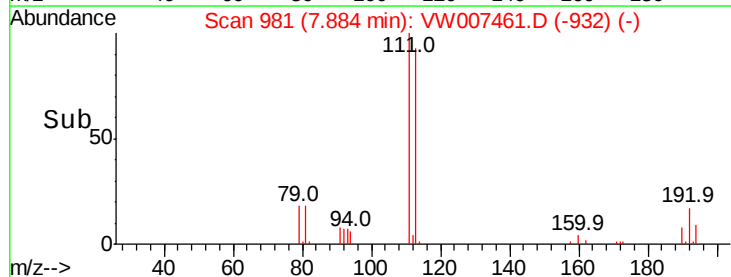
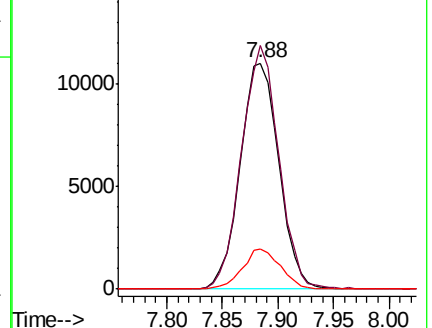
192 17.4 14.6 21.8

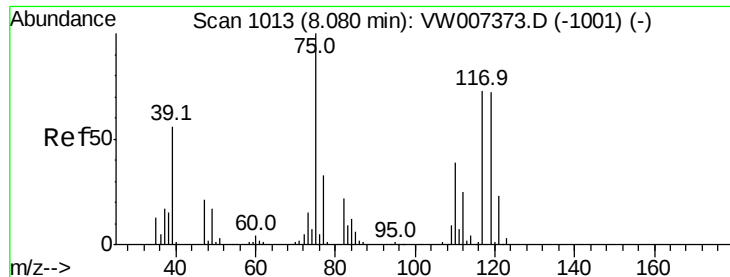


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.462 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007461.D

Acq: 13 Dec 2018 01:48

Instrument :

MSVOA_W

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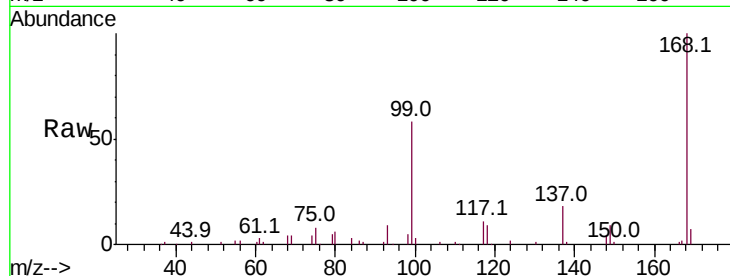
Tot Ion: 75 Resp: 3318

Ion Ratio Lower Upper

75 100

110 10.5 18.5 55.5#

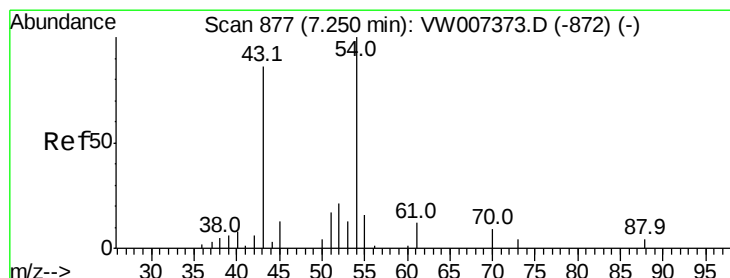
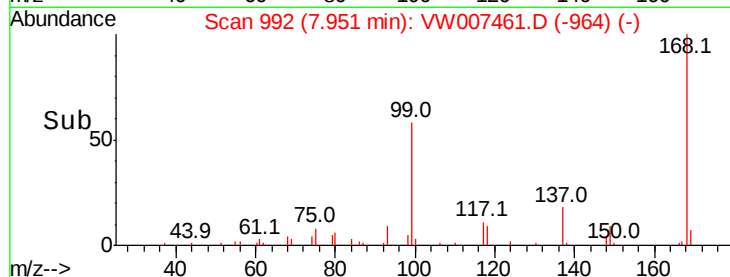
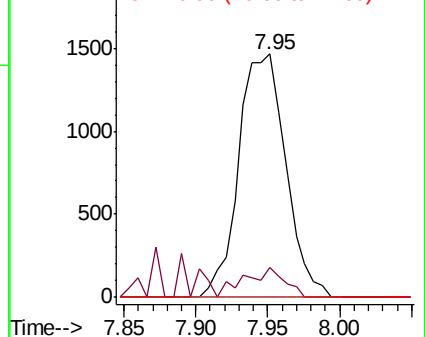
77 0.0 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 1.315 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.11 min

Lab File: VW007461.D

Acq: 13 Dec 2018 01:48

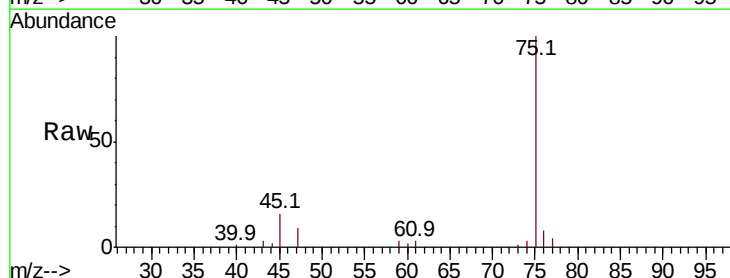
Tgt Ion: 43 Resp: 297

Ion Ratio Lower Upper

43 100

61 74.7 12.1 18.1#

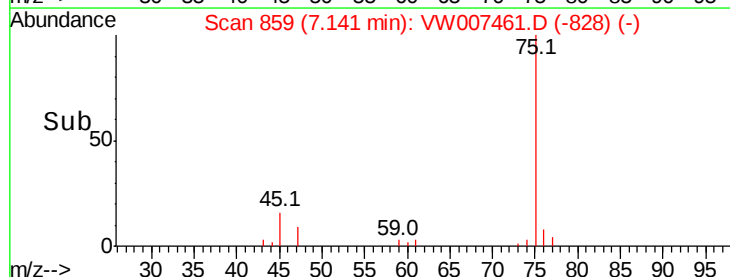
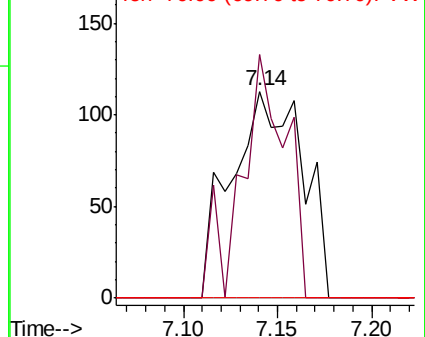
70 0.0 10.0 15.0#

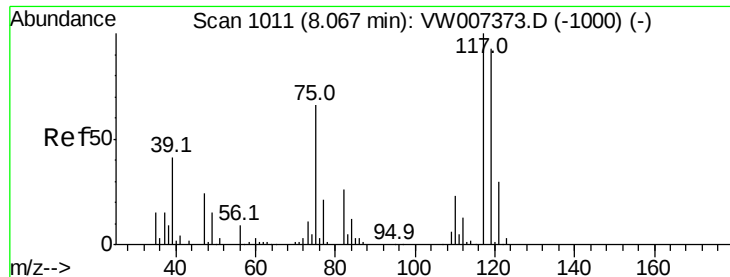


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.765 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007461.D

Acq: 13 Dec 2018 01:48

Instrument :

MSVOA_W

ClientSampled :

SB-03A

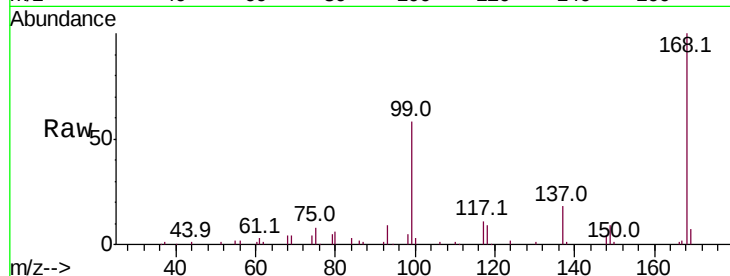
Tot Ion:117 Resp: 4471

Ion Ratio Lower Upper

117 100

119 4.0 74.3 111.5#

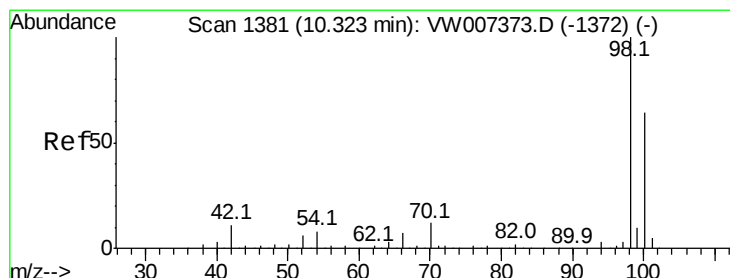
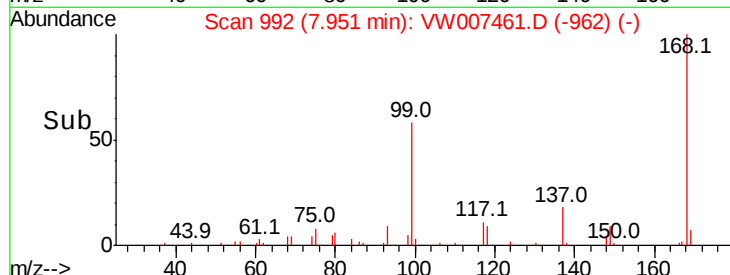
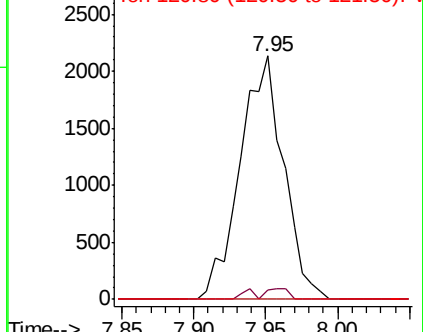
121 0.0 24.3 36.5#



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: 37.336 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007461.D

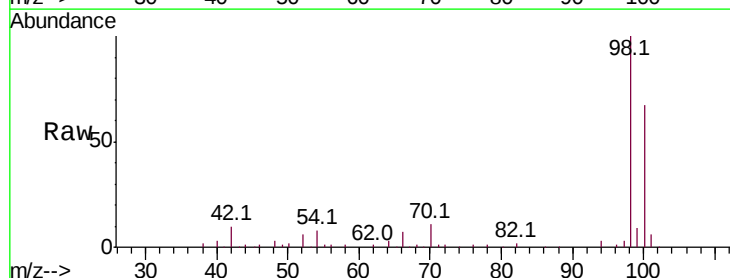
Acq: 13 Dec 2018 01:48

Tgt Ion: 98 Resp: 56428

Ion Ratio Lower Upper

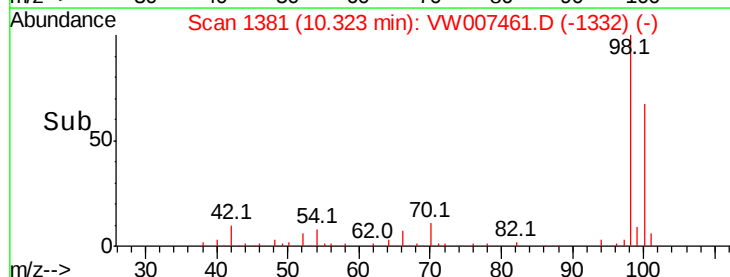
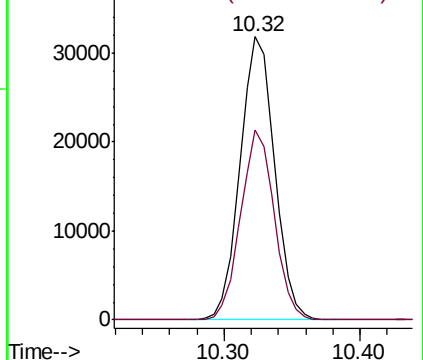
98 100

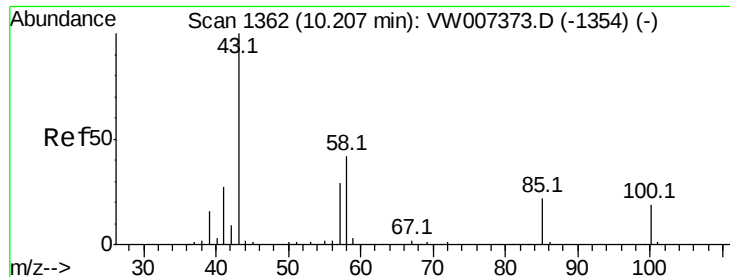
100 65.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.603 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW007461.D

Acq: 13 Dec 2018 01:48

Instrument :

MSVOA_W

ClientSampleId :

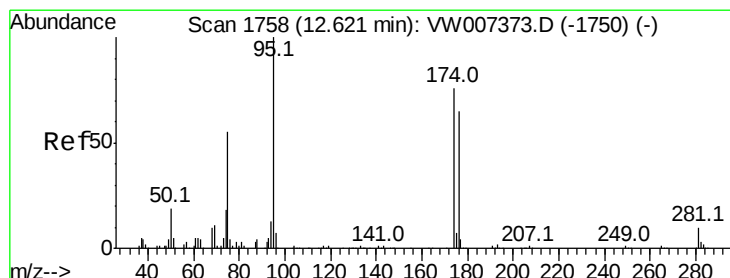
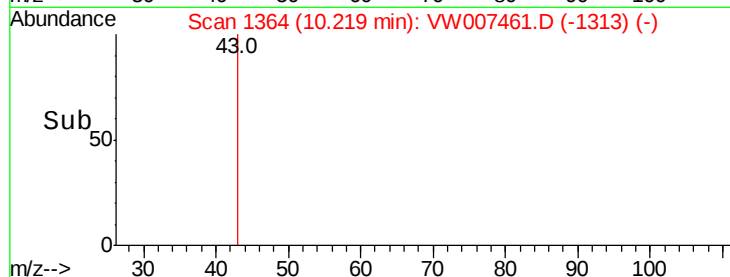
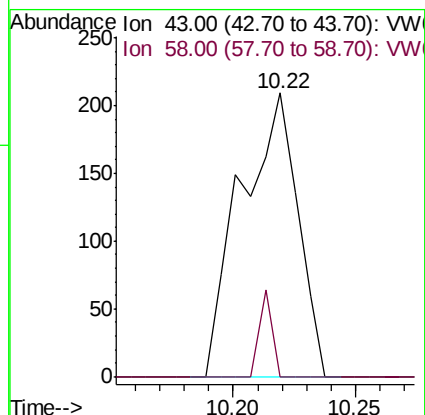
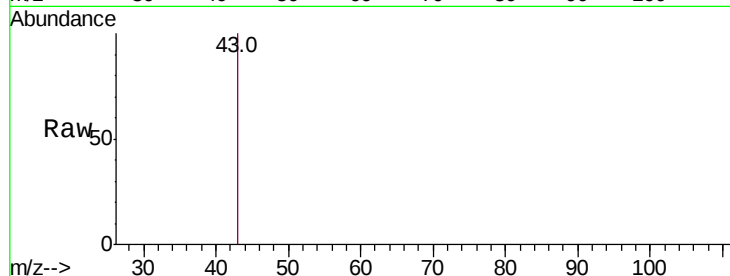
SB-03A

Tot Ion: 43 Resp: 338

Ion Ratio Lower Upper

43 100

58 6.8 33.1 49.7#



#62

4-Bromofluorobenzene

Concen: 12.378 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007461.D

Acq: 13 Dec 2018 01:48

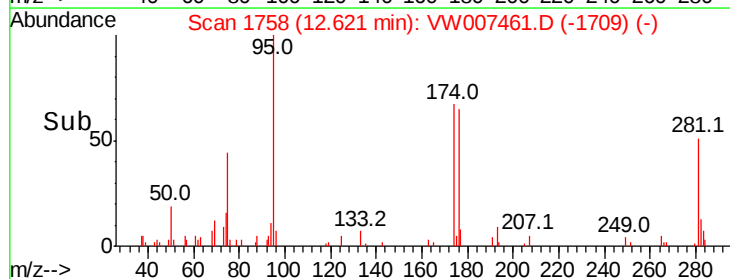
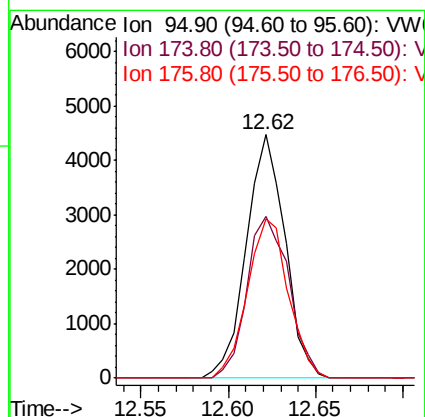
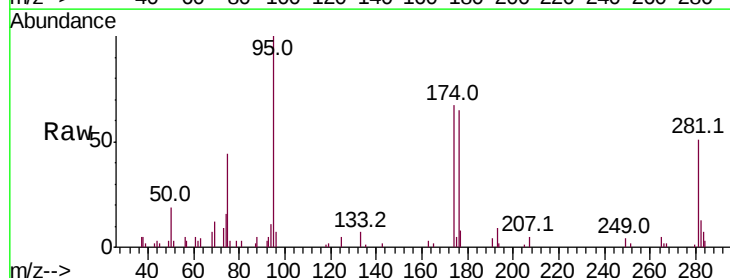
Tgt Ion: 95 Resp: 6878

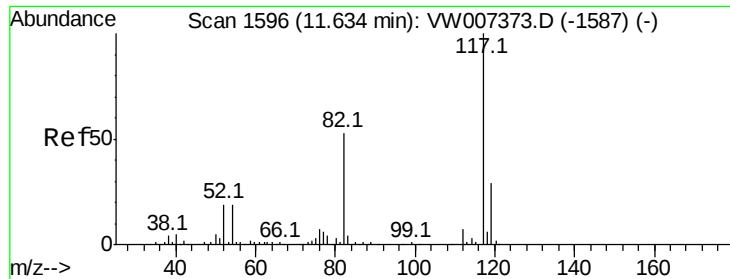
Ion Ratio Lower Upper

95 100

174 71.9 0.0 147.2

176 69.2 0.0 138.8

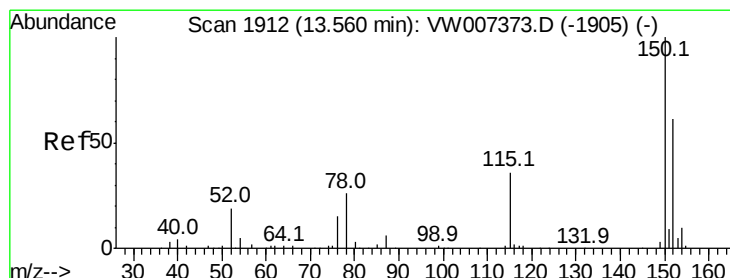
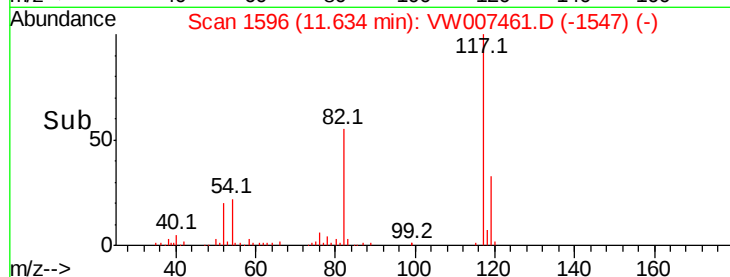
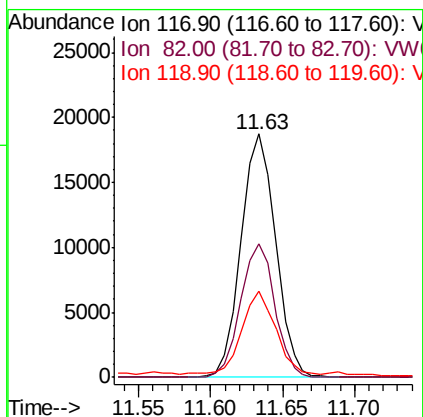
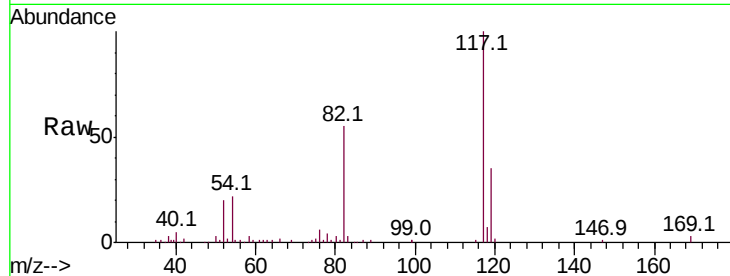




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007461.D
Acq: 13 Dec 2018 01:48

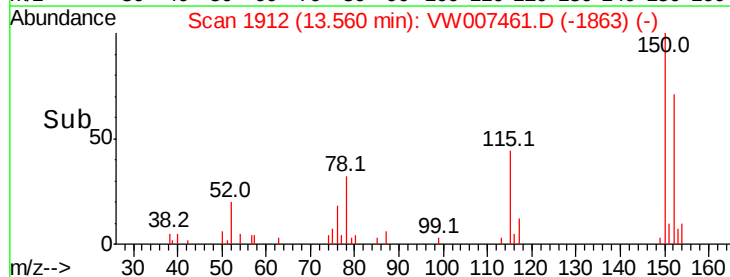
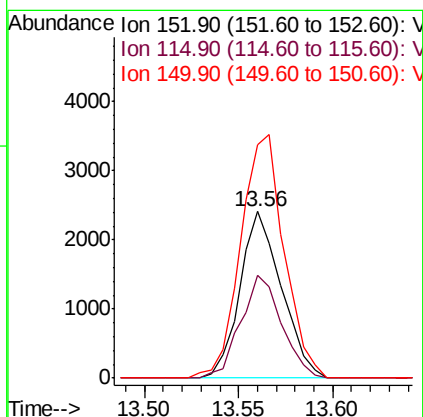
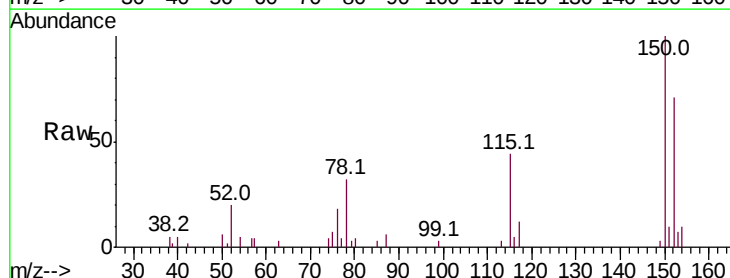
Instrument :
MSVOA_W
ClientSampled :
SB-03A

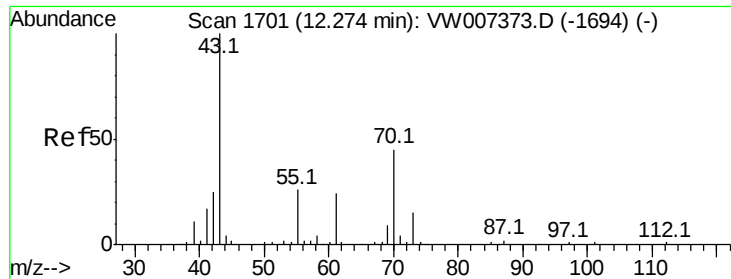
Tot Ion:117 Resp: 31166
Ion Ratio Lower Upper
117 100
82 54.7 42.3 63.5
119 33.6 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007461.D
Acq: 13 Dec 2018 01:48

Tgt Ion:152 Resp: 3680
Ion Ratio Lower Upper
152 100
115 60.9 31.4 94.2
150 152.9 0.0 358.4





#74

N-amvl acetate

Concen: 2.947 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW007461.D

Acq: 13 Dec 2018 01:48

Instrument :

MSVOA_W

ClientSampleId :

SB-03A

Tot Ion: 43 Resp: 151

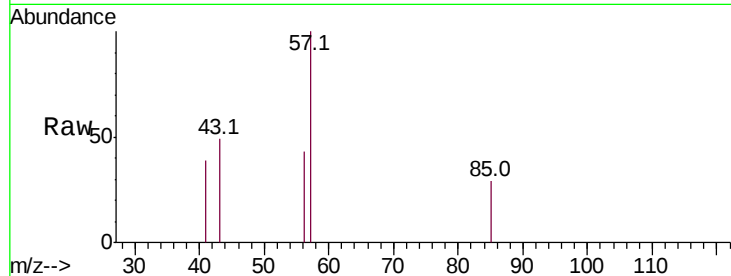
Ion Ratio Lower Upper

43 100

70 0.0 36.5 54.7#

55 0.0 20.1 30.1#

61 0.0 19.3 28.9#

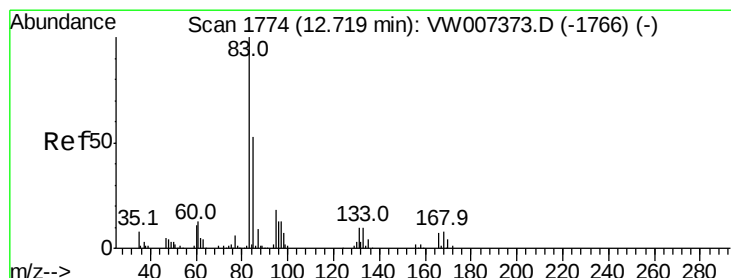
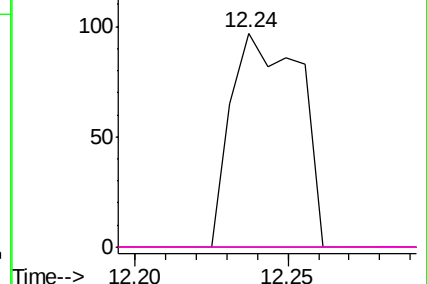
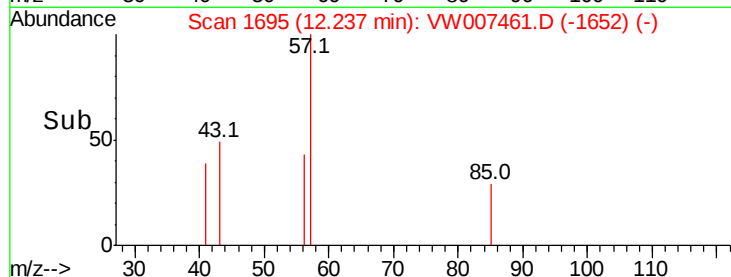


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 4.909 ug/l

RT: 12.60 min Scan# 1754

Delta R.T. -0.12 min

Lab File: VW007461.D

Acq: 13 Dec 2018 01:48

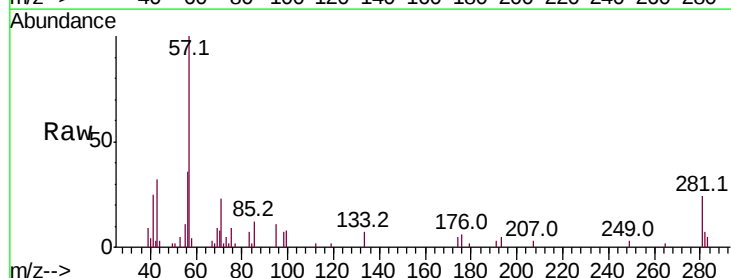
Tgt Ion: 83 Resp: 205

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.8#

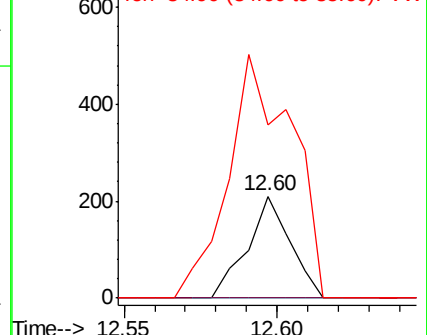
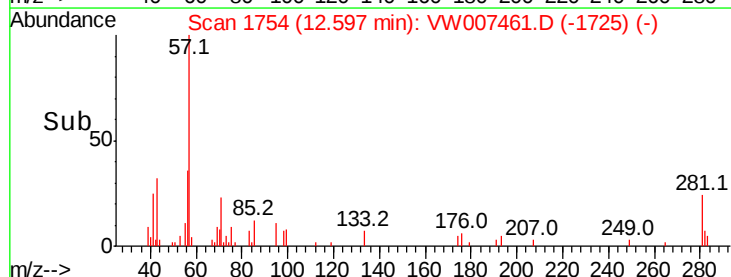
85 353.2 30.0 90.0#

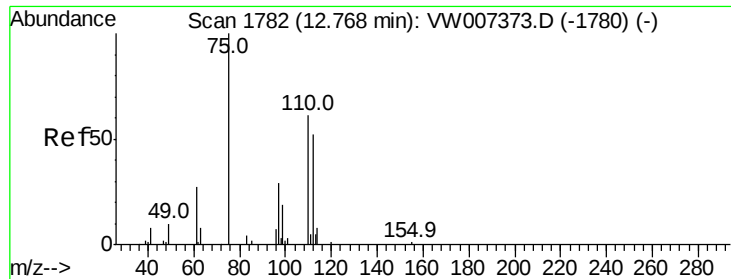


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 116.437 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

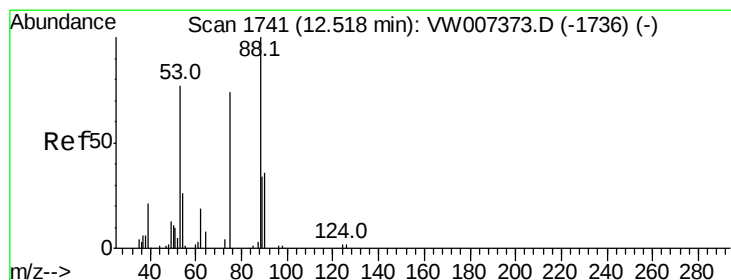
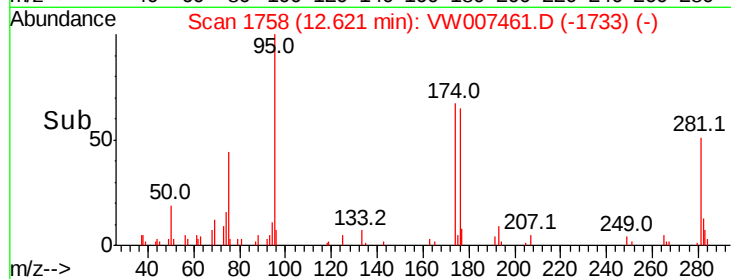
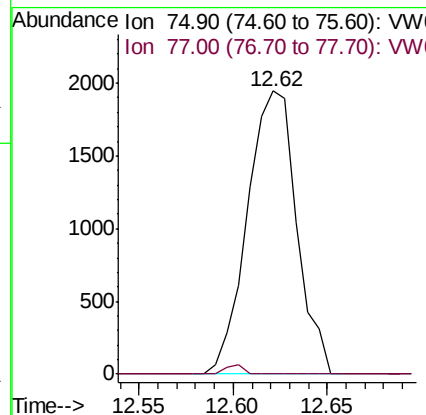
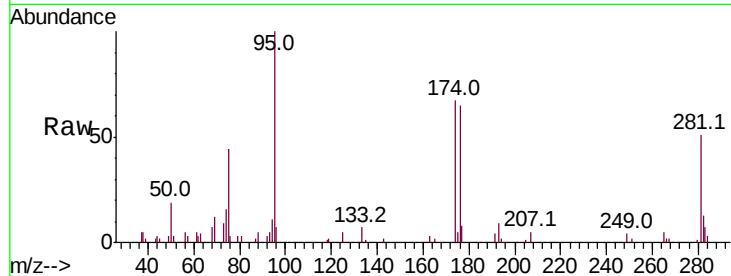
Lab File: VW007461.D

Acq: 13 Dec 2018 01:48

Instrument :
MSVOA_W
ClientSampleId :
SB-03A

Tot Ion: 75 Resp: 3533

Ion	Ratio	Lower	Upper
75	100		
77	1.2	166.9	500.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 257.210 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007461.D

Acq: 13 Dec 2018 01:48

Tgt Ion: 75 Resp: 3533

Ion	Ratio	Lower	Upper
75	100		
53	0.0	84.9	127.3#
89	0.0	40.3	60.5#

