

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110518\
 Data File : VW006647.D
 Acq On : 05 Nov 2018 19:59
 Operator : SY/AP
 Sample : J5803-04
 Misc : 5.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SODUS-TS-002

Quant Time: Nov 06 01:59:18 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	186358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	233868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	9437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	50141	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	76703	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
35) Dibromofluoromethane	7.89	113	14808	10.09	ug/l	0.00
Spiked Amount			Recovery	=	20.18%	
50) Toluene-d8	10.33	98	566	0.10	ug/l	0.00
Spiked Amount			Recovery	=	0.20%	
62) 4-Bromofluorobenzene	12.62	95	39830	19.66	ug/l	0.00
Spiked Amount			Recovery	=	39.32%	

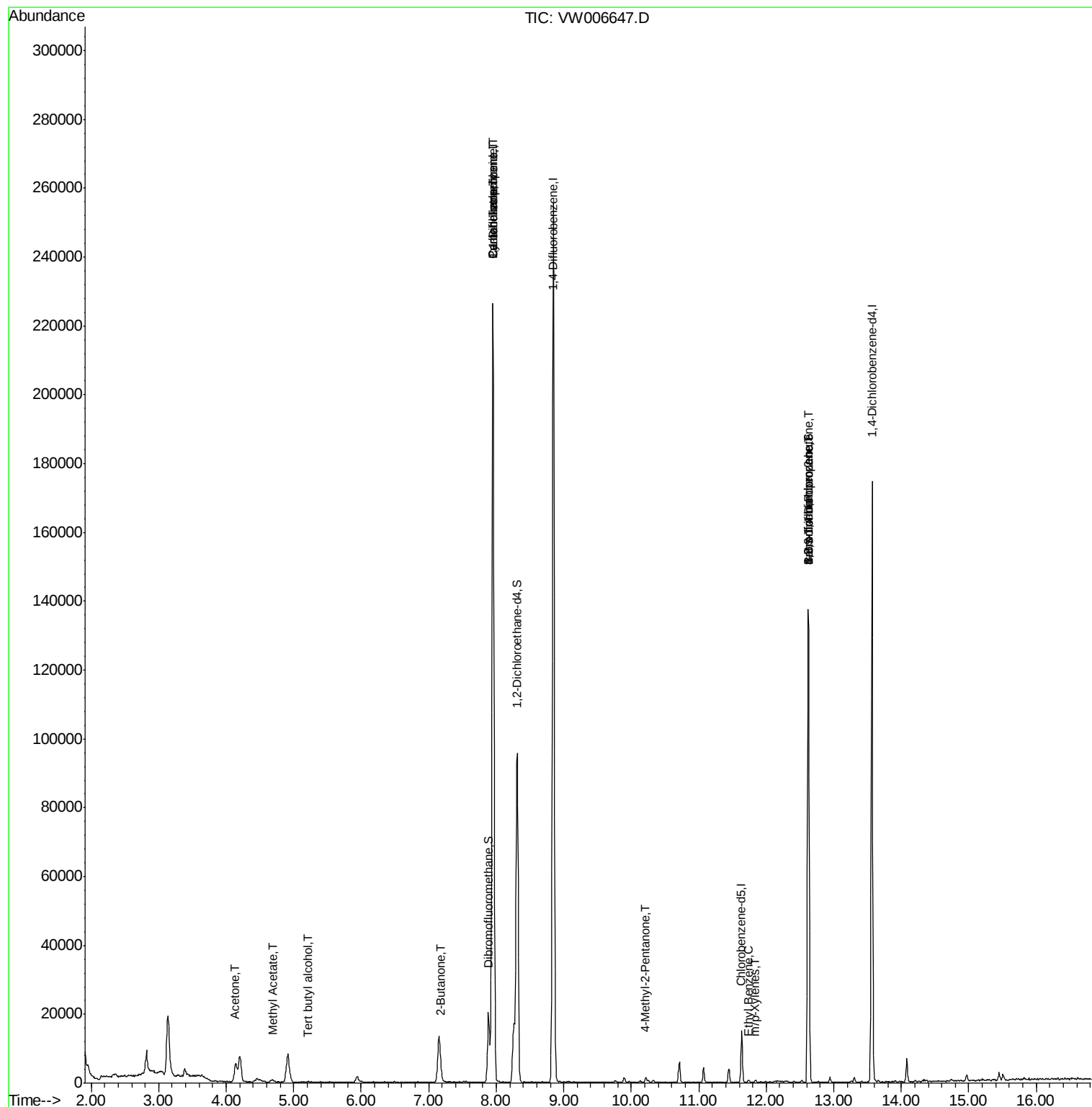
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	231	2.676	ug/l #	84
16) Acetone	4.14	43	10466	40.467	ug/l	98
18) Methyl Acetate	4.68	43	1622	2.181	ug/l	92
20) Methylene Chloride	4.92	84	6889	Below Cal		93
25) 2-Butanone	7.18	43	643	1.742	ug/l #	81
31) Cyclohexane	7.95	56	3223	1.263	ug/l #	11
36) 1,1-Dichloropropene	7.95	75	11709	5.693	ug/l #	49
38) Carbon Tetrachloride	7.95	117	16199	7.538	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	1159	1.587	ug/l #	76
67) Ethyl Benzene	11.73	91	562	1.693	ug/l	95
68) m/p-Xylenes	11.84	106	136	1.026	ug/l #	1
71) Bromoform	12.62	173	95	2.568	ug/l #	29
76) 1,2,3-Trichloropropane	12.62	75	19916	50.908	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	19916	127.483	ug/l #	11

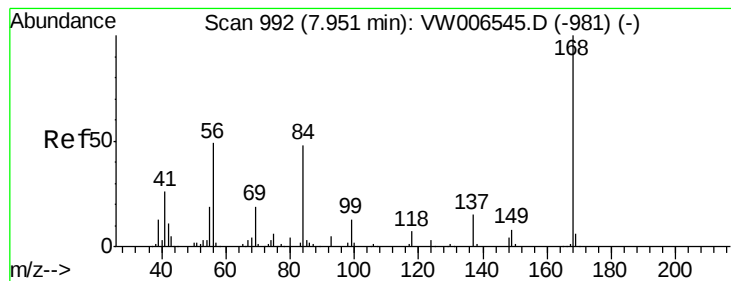
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006647.D

Acq: 05 Nov 2018 19:59

Instrument :

MSVOA_W

ClientSampleId :

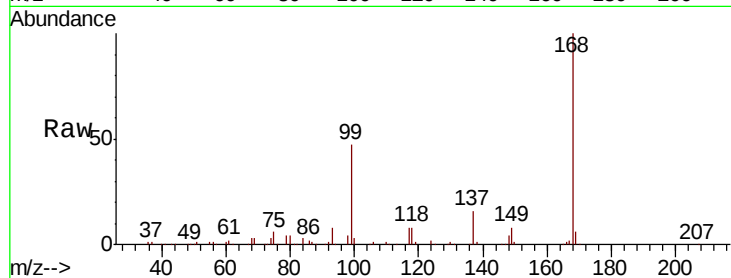
SODUS-TS-002

Tgt Ion: 168 Resp: 186358

Ion Ratio Lower Upper

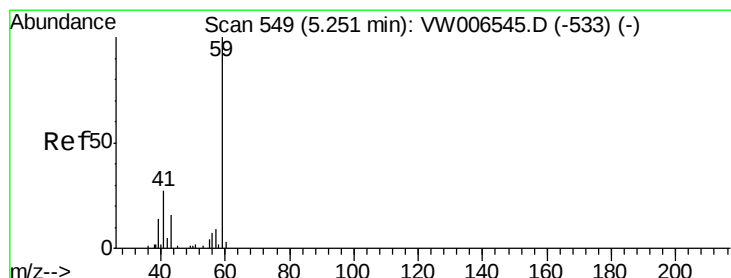
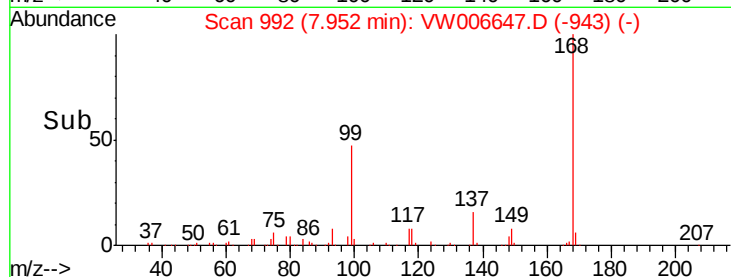
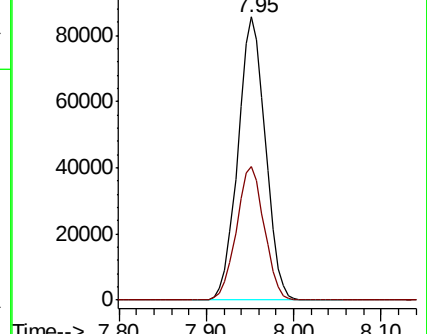
168 100

99 47.2 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.676 ug/l

RT: 5.21 min Scan# 543

Delta R.T. -0.04 min

Lab File: VW006647.D

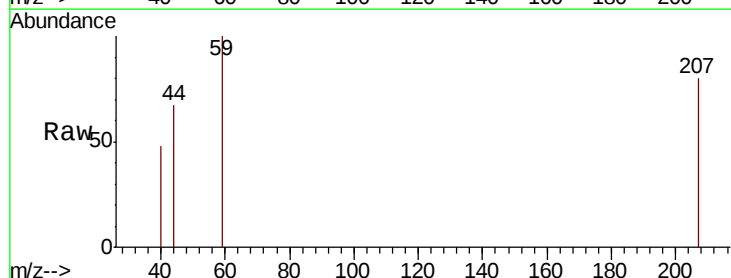
Acq: 05 Nov 2018 19:59

Tgt Ion: 59 Resp: 231

Ion Ratio Lower Upper

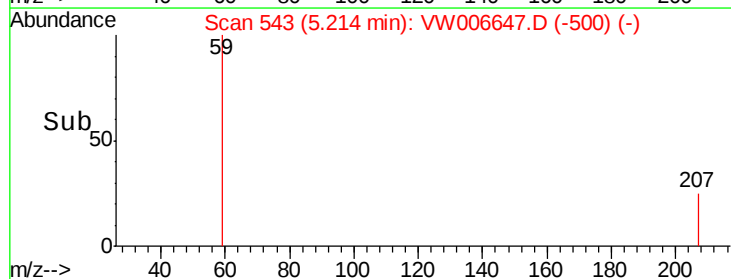
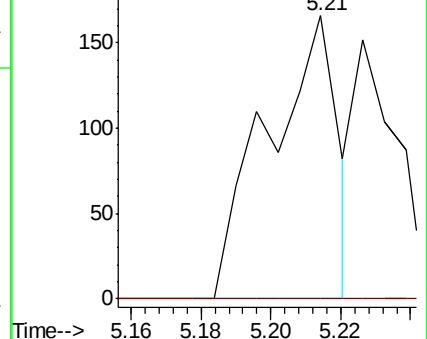
59 100

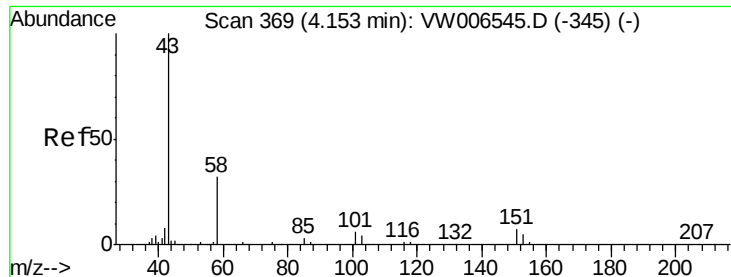
57 0.0 4.3 6.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

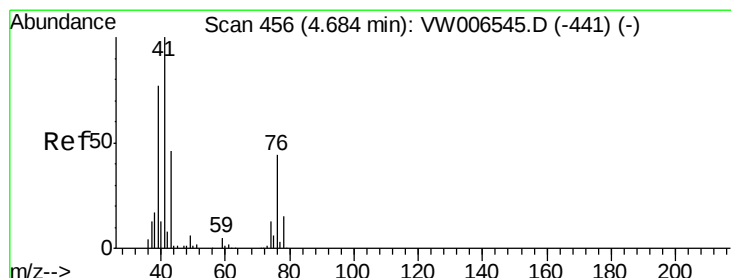
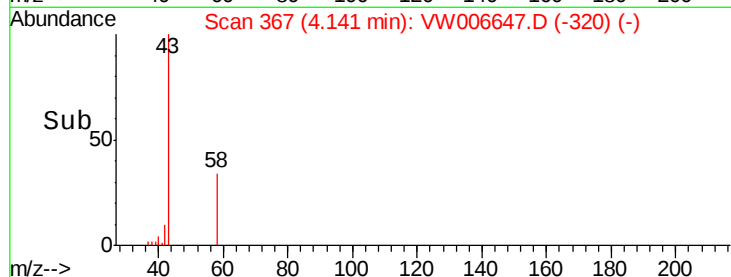
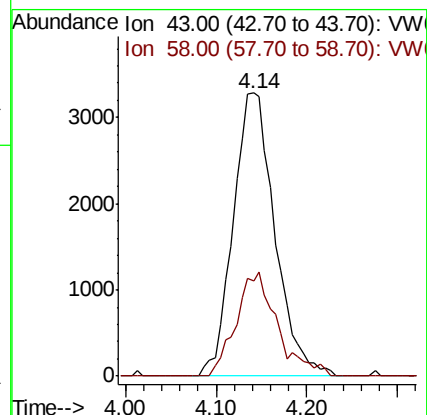
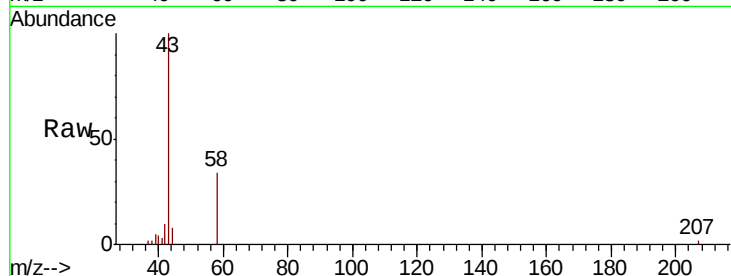




#16
Acetone
Concen: 40.467 ug/l
RT: 4.14 min Scan# 367
Delta R.T. -0.01 min
Lab File: VW006647.D
Acq: 05 Nov 2018 19:59

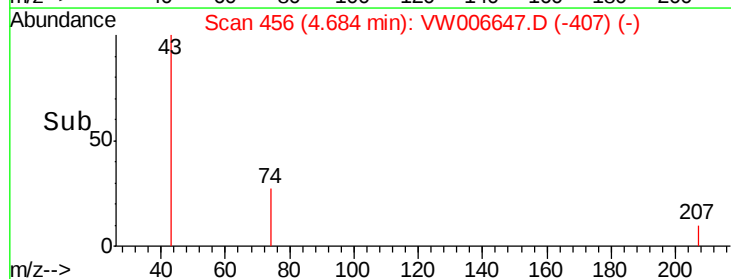
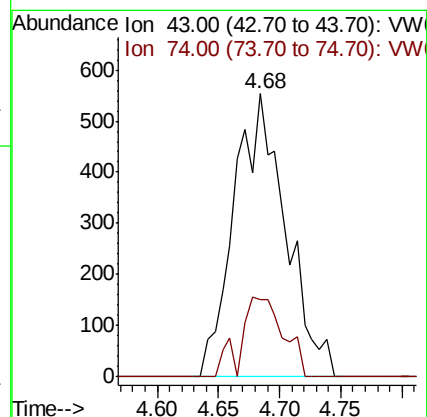
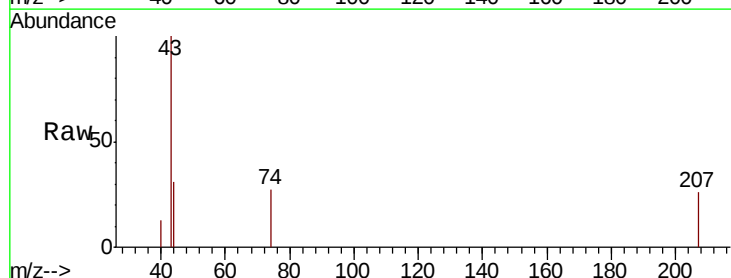
Instrument :
MSVOA_W
ClientSampleId :
SODUS-TS-002

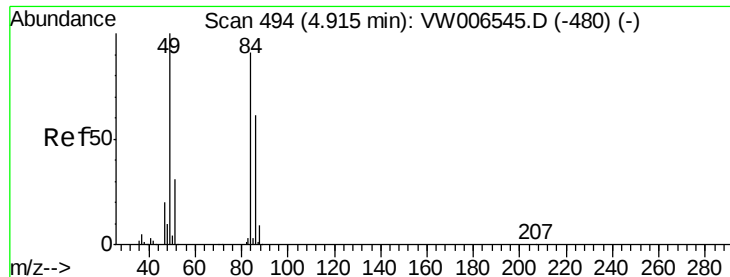
Tgt Ion: 43 Resp: 10466
Ion Ratio Lower Upper
43 100
58 33.7 25.8 38.8



#18
Methyl Acetate
Concen: 2.181 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW006647.D
Acq: 05 Nov 2018 19:59

Tgt Ion: 43 Resp: 1622
Ion Ratio Lower Upper
43 100
74 23.4 21.9 32.9





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006647.D

Acq: 05 Nov 2018 19:59

Instrument :
MSVOA_W
ClientSampleId :
SODUS-TS-002

Tgt Ion: 84 Resp: 6889

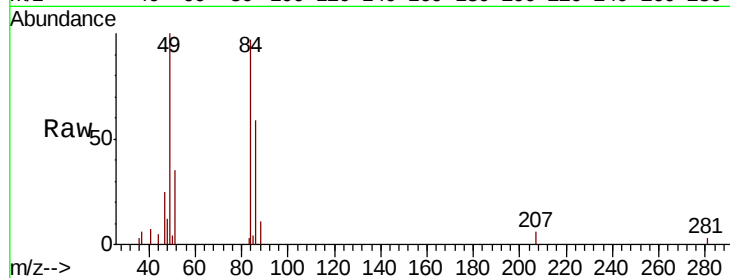
Ion Ratio Lower Upper

84 100

49 102.9 88.2 132.4

51 35.7 27.0 40.6

86 60.3 53.8 80.8

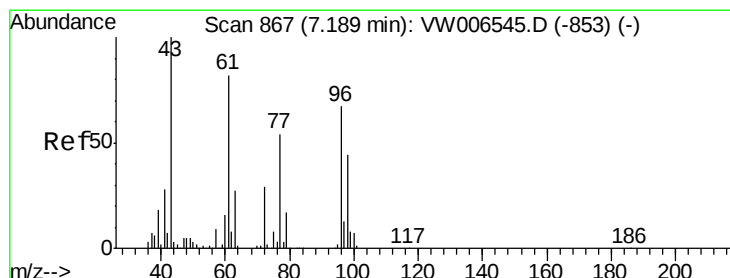
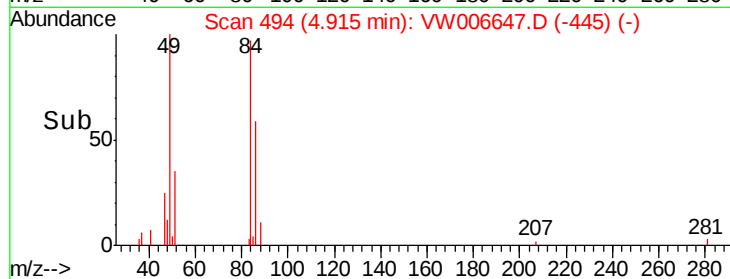
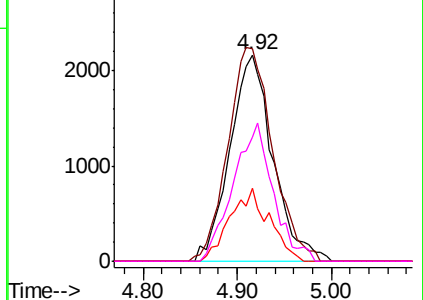


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.742 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: VW006647.D

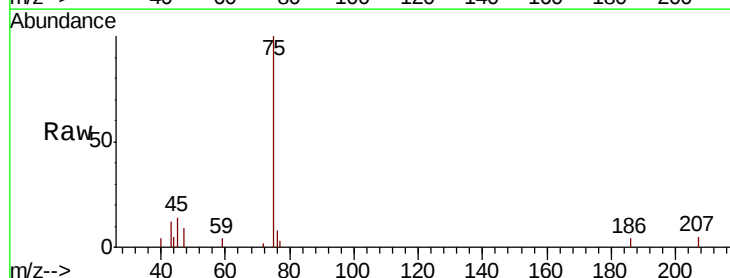
Acq: 05 Nov 2018 19:59

Tgt Ion: 43 Resp: 643

Ion Ratio Lower Upper

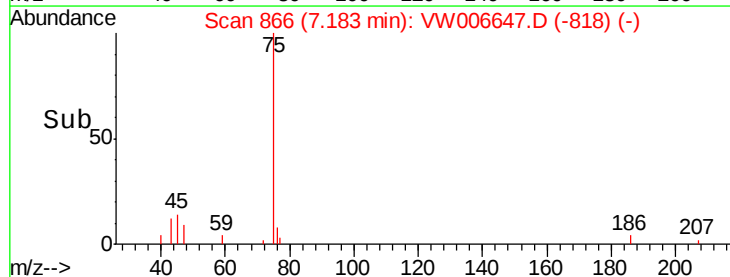
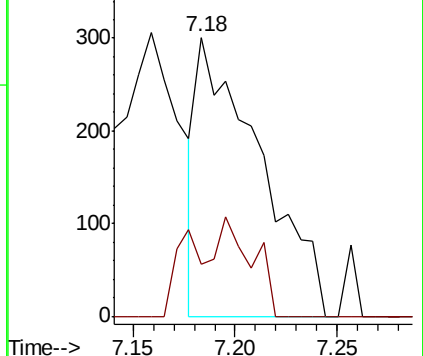
43 100

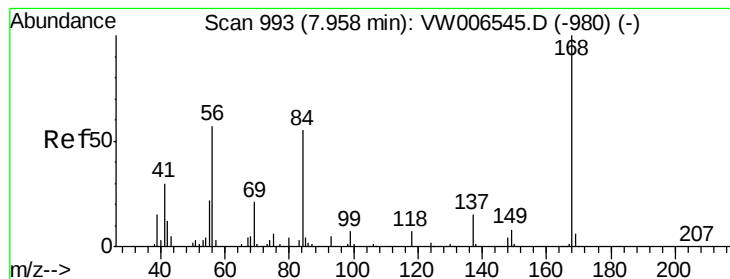
72 18.6 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.263 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006647.D

Acq: 05 Nov 2018 19:59

Instrument :

MSVOA_W

ClientSampleId :

SODUS-TS-002

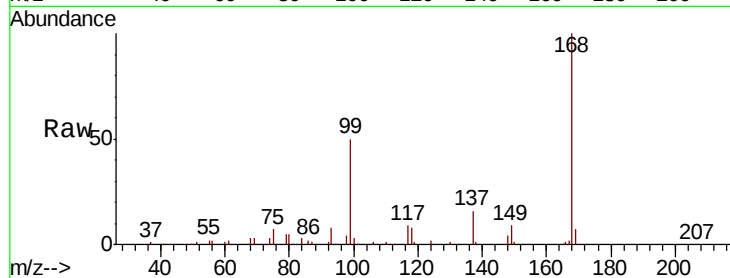
Tgt Ion: 56 Resp: 3223

Ion Ratio Lower Upper

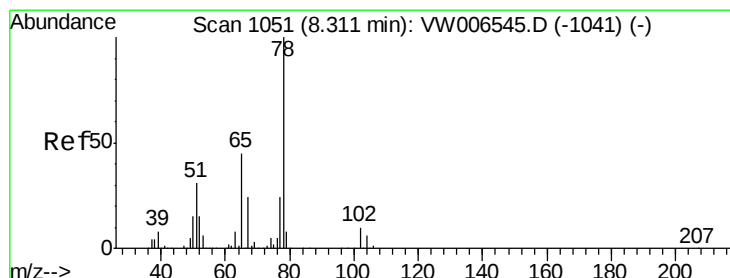
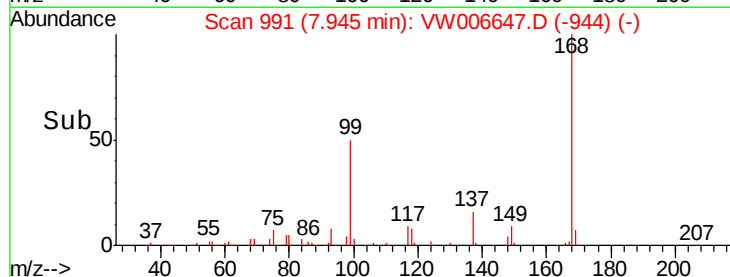
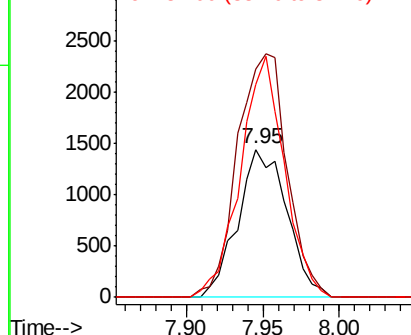
56 100

69 154.5 29.0 43.4#

84 144.0 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: 47.882 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006647.D

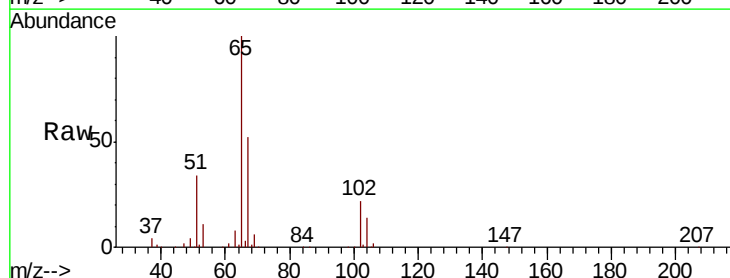
Acq: 05 Nov 2018 19:59

Tgt Ion: 65 Resp: 76703

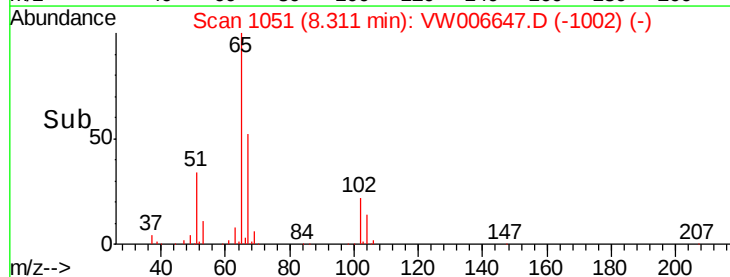
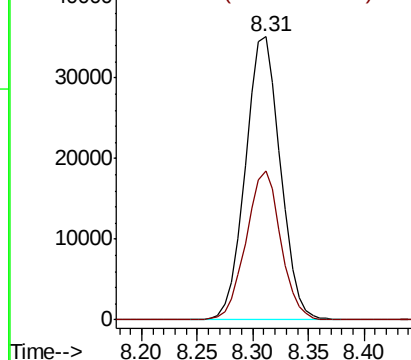
Ion Ratio Lower Upper

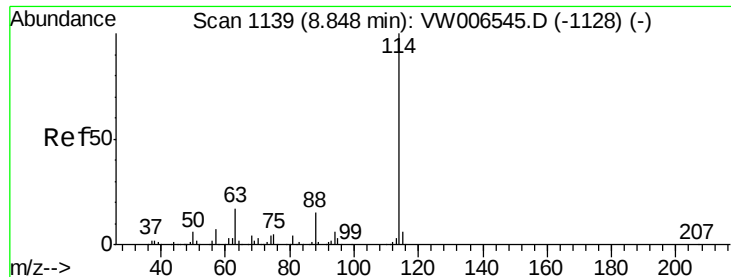
65 100

67 52.2 0.0 104.4



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

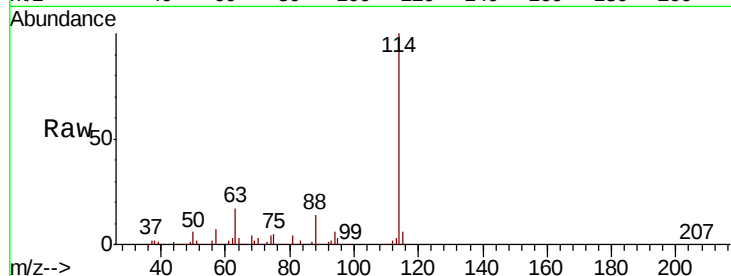




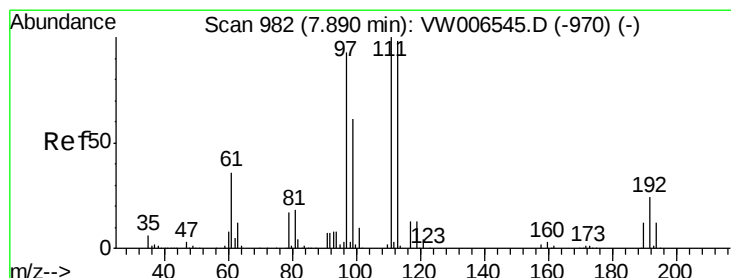
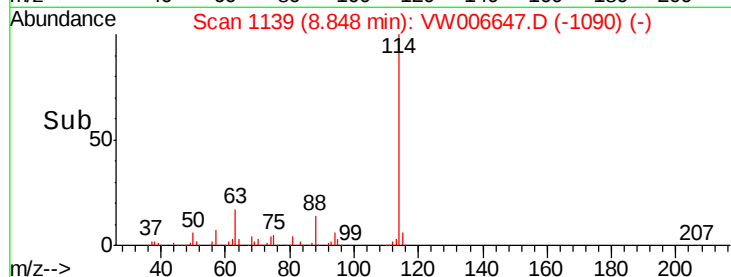
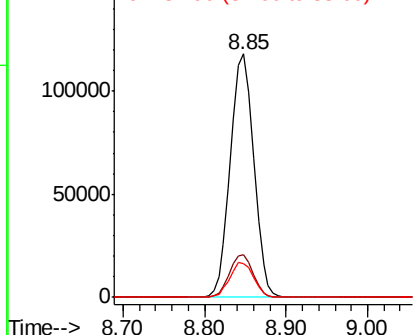
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006647.D
 Acq: 05 Nov 2018 19:59

Instrument :
 MSVOA_W
 ClientSampleId :
 SODUS-TS-002

Tgt Ion:114 Resp: 233868
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.4
 88 14.0 0.0 29.0

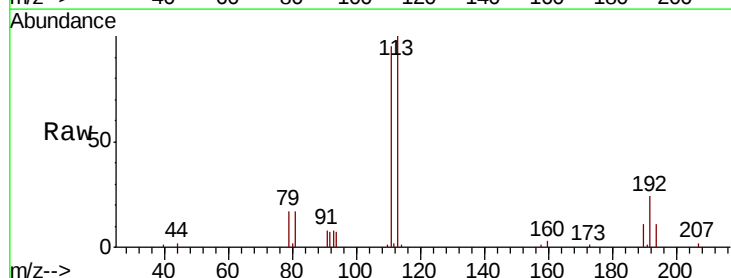


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

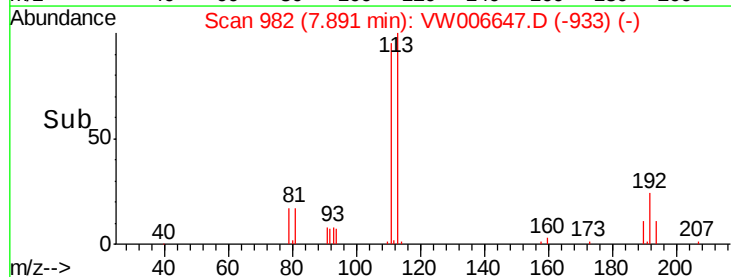
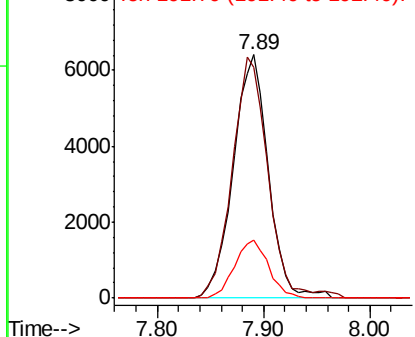


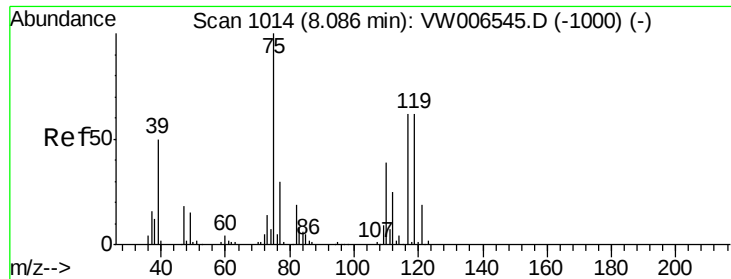
#35
 Dibromofluoromethane
 Concen: 10.089 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006647.D
 Acq: 05 Nov 2018 19:59

Tgt Ion:113 Resp: 14808
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.2 123.2
 192 23.0 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

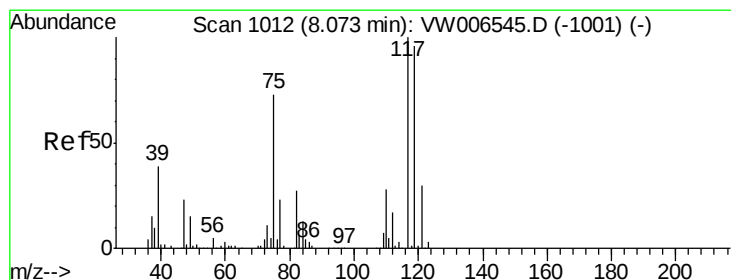
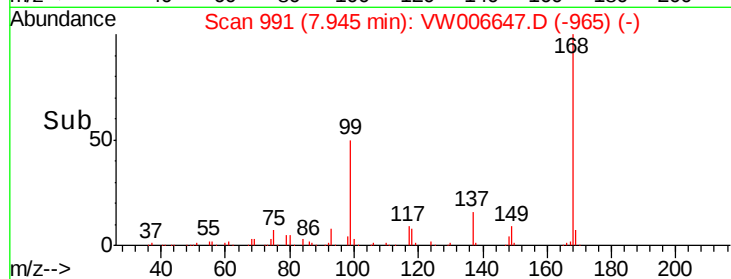
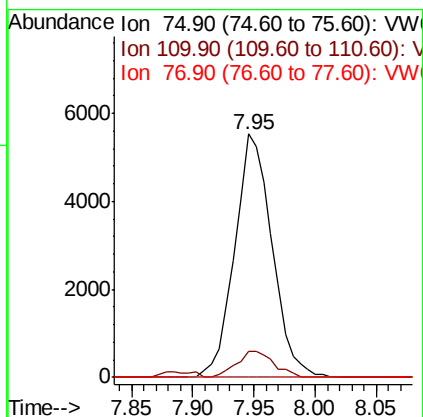
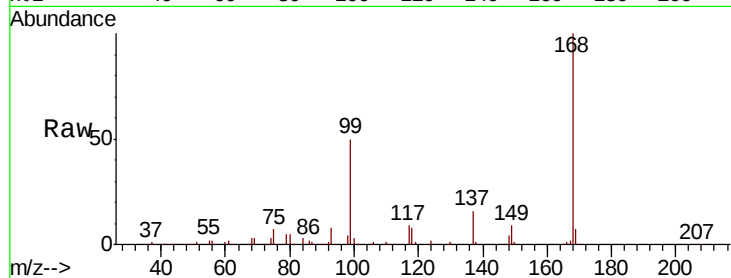




#36
 1,1-Dichloropropene
 Concen: 5.693 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006647.D
 Acq: 05 Nov 2018 19:59

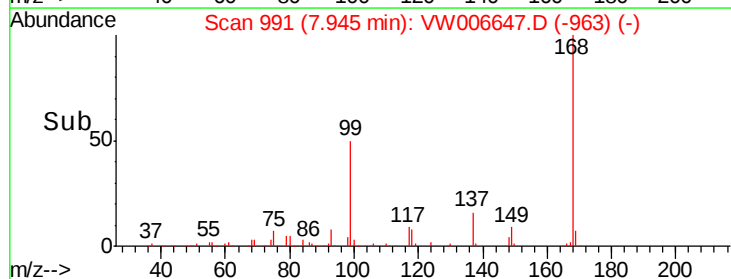
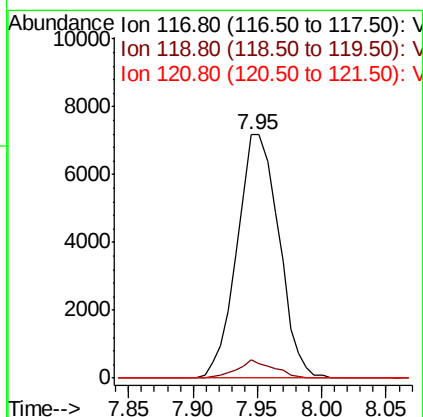
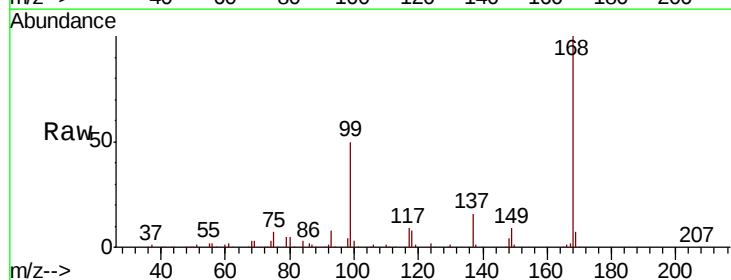
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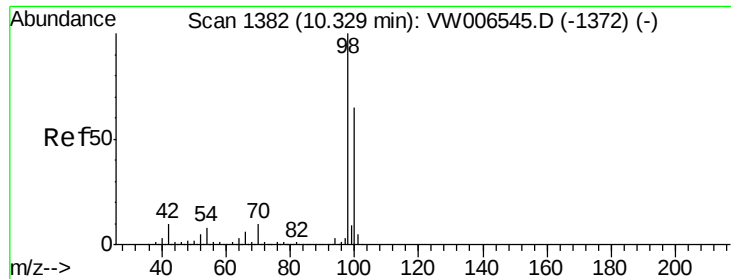
Tgt Ion: 75 Resp: 11709
 Ion Ratio Lower Upper
 75 100
 110 10.7 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.538 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW006647.D
 Acq: 05 Nov 2018 19:59

Tgt Ion: 117 Resp: 16199
 Ion Ratio Lower Upper
 117 100
 119 7.5 76.3 114.5#
 121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 0.101 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006647.D

Acq: 05 Nov 2018 19:59

Instrument :

MSVOA_W

ClientSampleId :

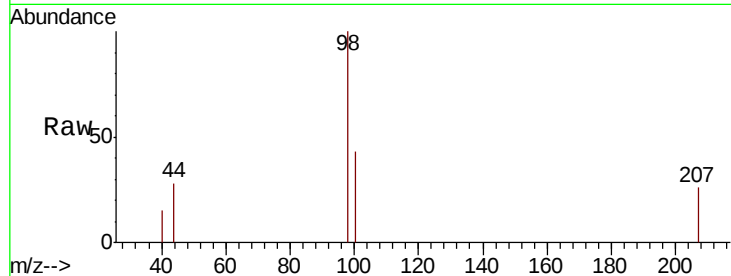
SODUS-TS-002

Tgt Ion: 98 Resp: 566

Ion Ratio Lower Upper

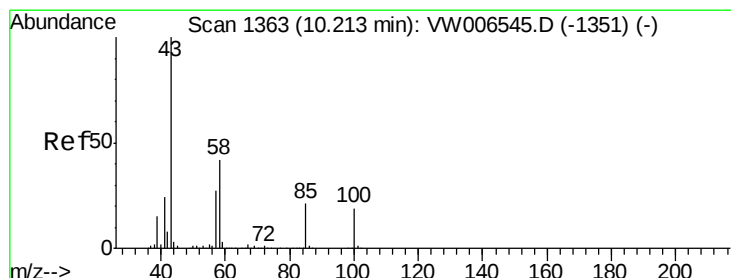
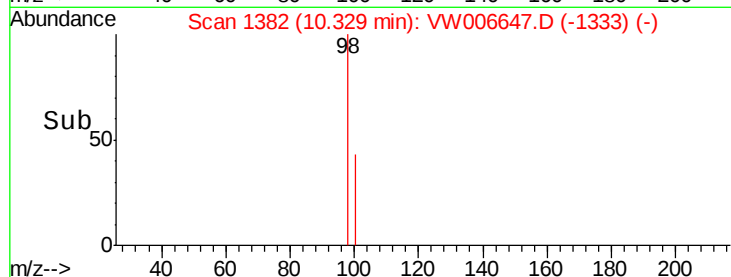
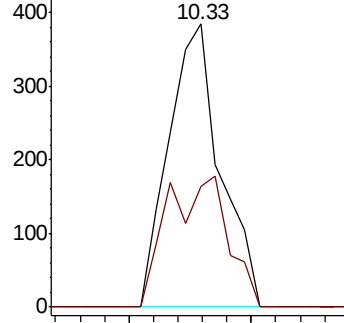
98 100

100 54.2 51.6 77.4



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: 1.587 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006647.D

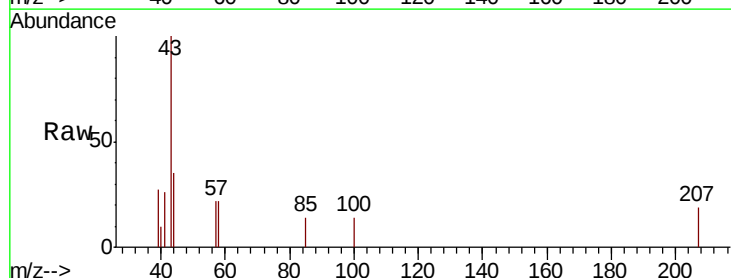
Acq: 05 Nov 2018 19:59

Tgt Ion: 43 Resp: 1159

Ion Ratio Lower Upper

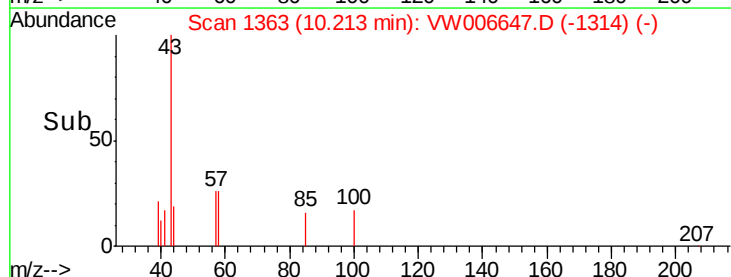
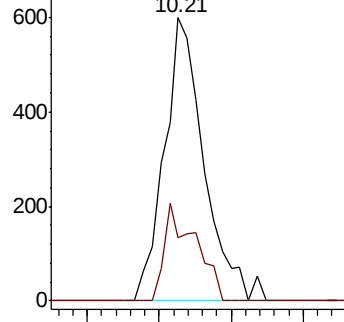
43 100

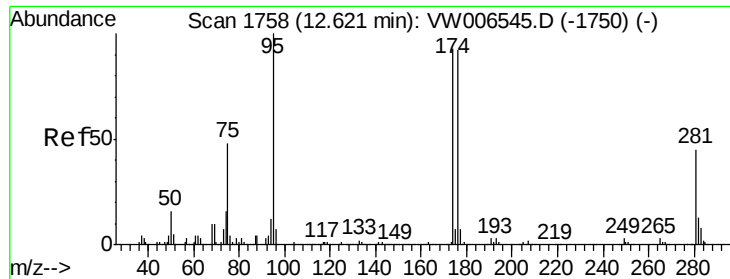
58 26.8 33.4 50.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

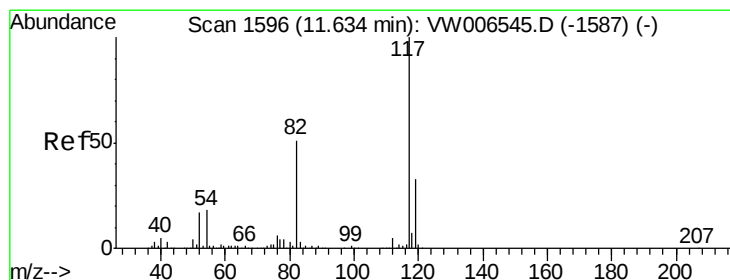
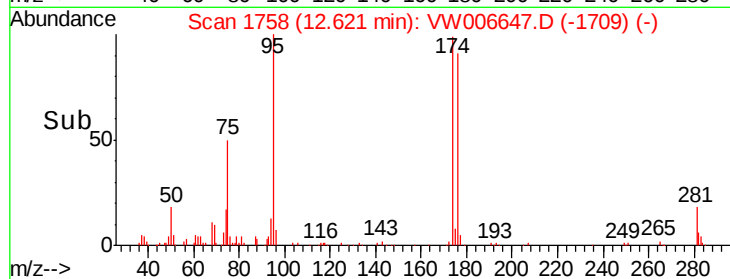
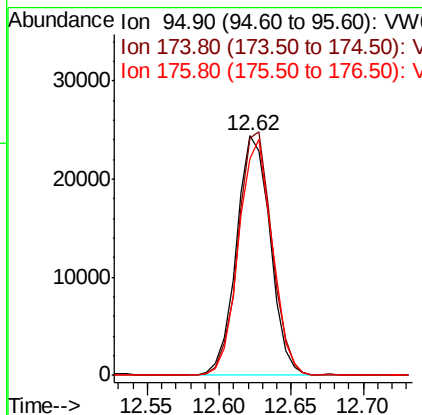
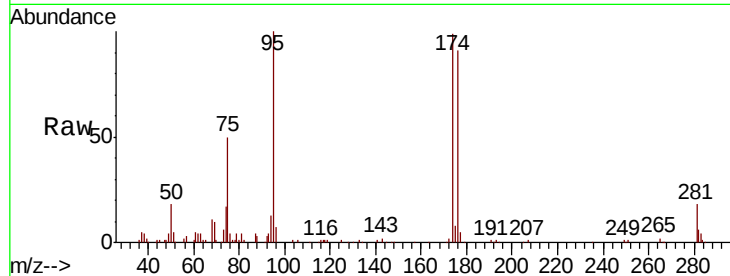




#62
4-Bromofluorobenzene
Concen: 19.663 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006647.D
Acq: 05 Nov 2018 19:59

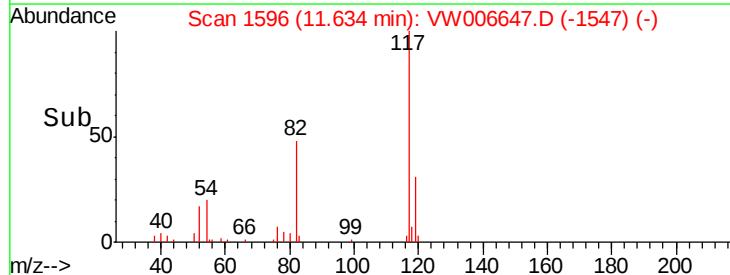
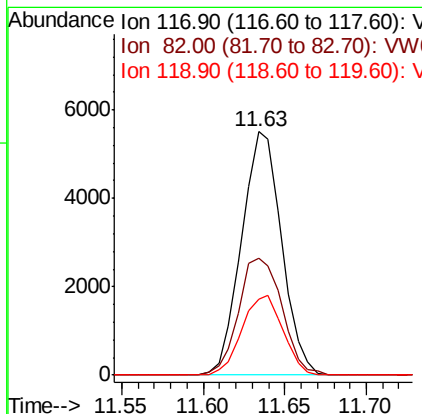
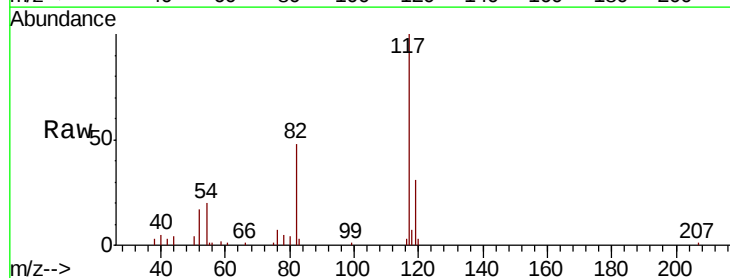
Instrument :
MSVOA_W
ClientSampleId :
SODUS-TS-002

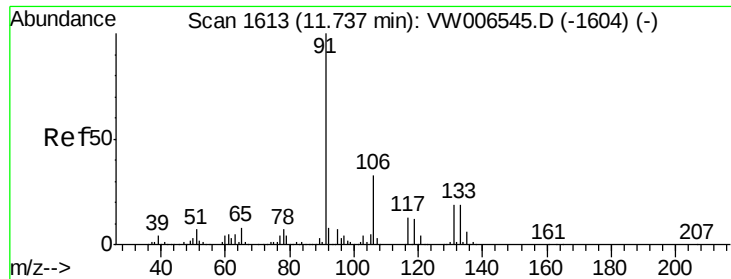
Tgt Ion: 95 Resp: 39830
Ion Ratio Lower Upper
95 100
174 101.2 0.0 192.4
176 97.3 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006647.D
Acq: 05 Nov 2018 19:59

Tgt Ion: 117 Resp: 9437
Ion Ratio Lower Upper
117 100
82 48.1 40.8 61.2
119 31.4 26.1 39.1

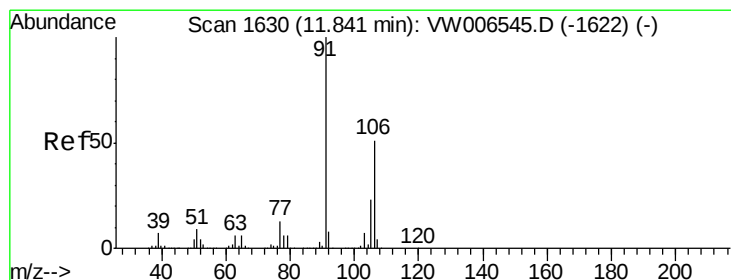
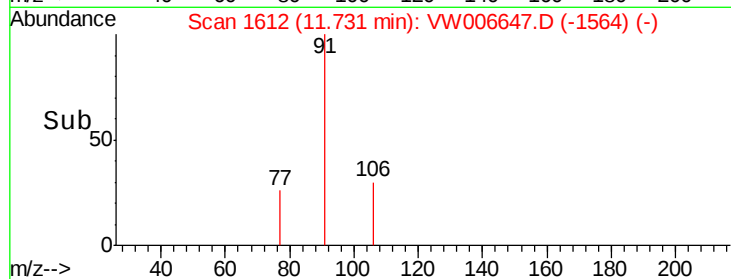
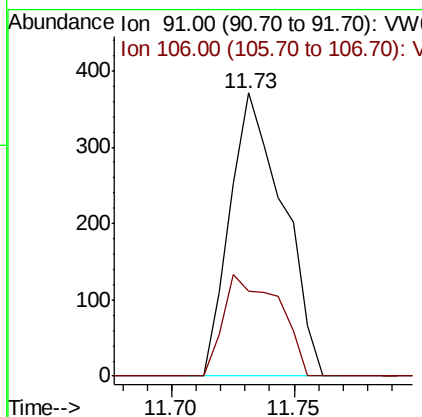
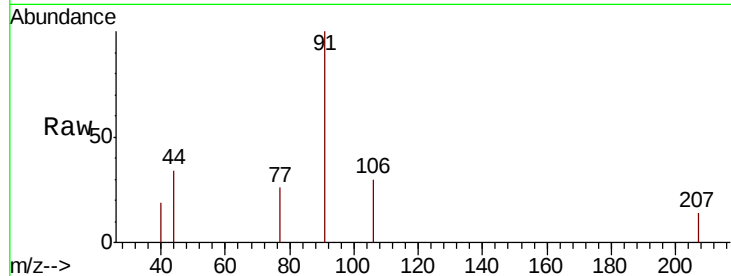




#67
Ethyl Benzene
Concen: 1.693 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006647.D
Acq: 05 Nov 2018 19:59

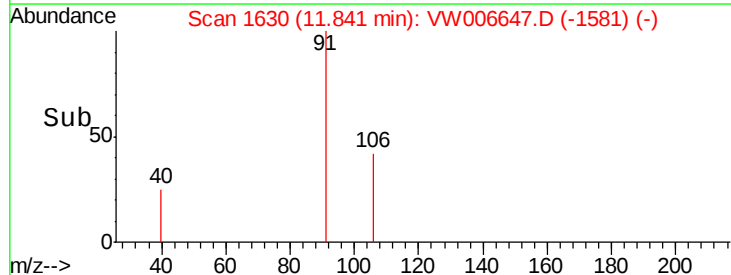
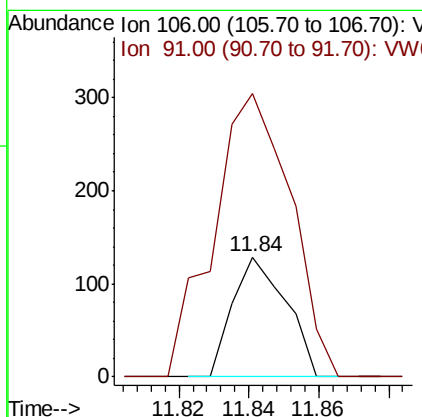
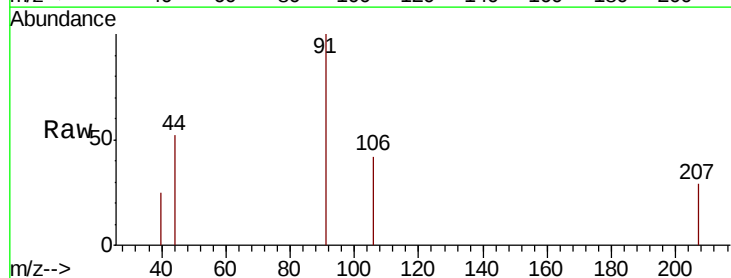
Instrument :
MSVOA_W
ClientSampleId :
SODUS-TS-002

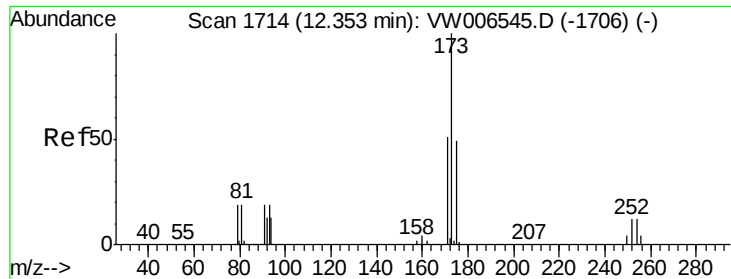
Tgt Ion: 91 Resp: 562
Ion Ratio Lower Upper
91 100
106 29.9 26.3 39.5



#68
m/p-Xylenes
Concen: 1.026 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006647.D
Acq: 05 Nov 2018 19:59

Tgt Ion: 106 Resp: 136
Ion Ratio Lower Upper
106 100
91 343.4 156.7 235.1#

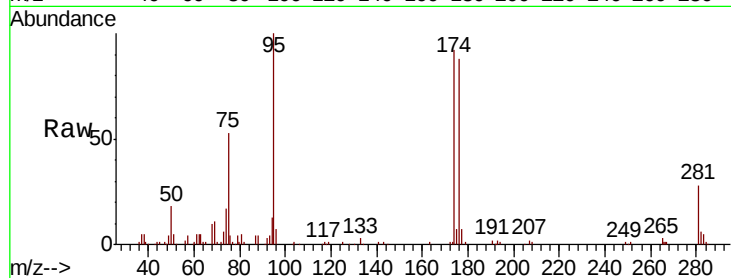




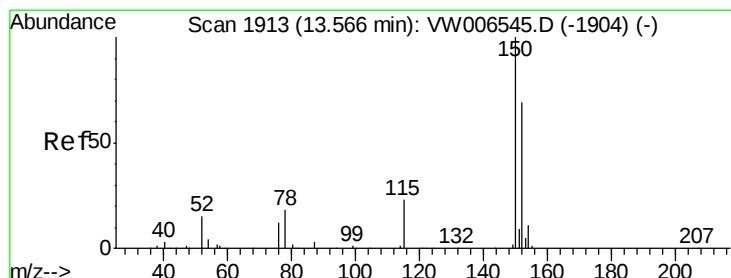
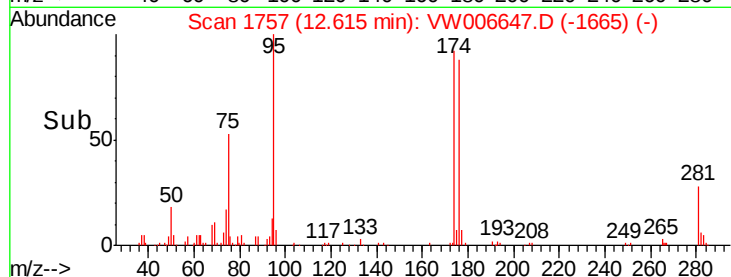
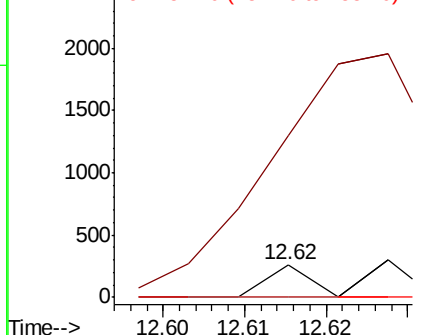
#71
Bromoform
Concen: 2.568 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.26 min
Lab File: VW006647.D
Acq: 05 Nov 2018 19:59

Instrument :
MSVOA_W
ClientSampleId :
SODUS-TS-002

Tgt Ion:173 Resp: 95
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.1 0.1#

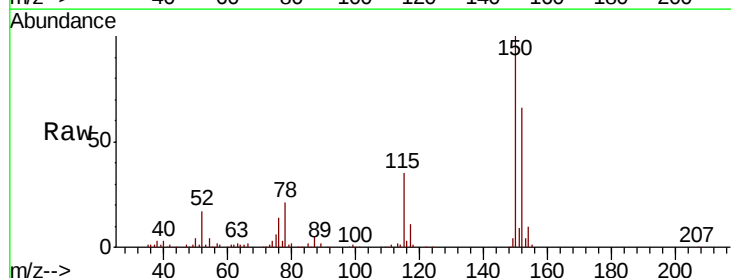


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

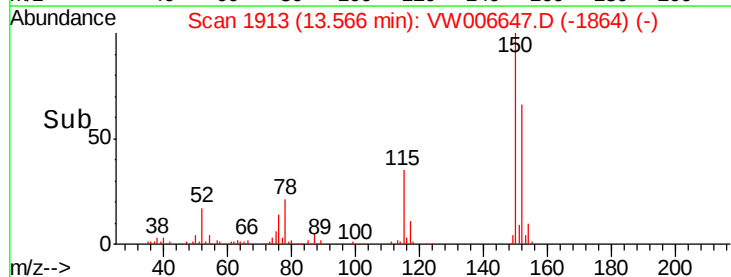
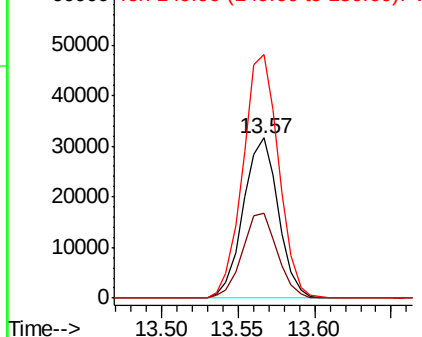


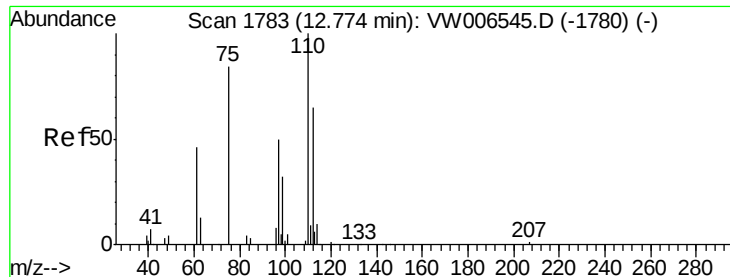
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006647.D
Acq: 05 Nov 2018 19:59

Tgt Ion:152 Resp: 50141
Ion Ratio Lower Upper
152 100
115 52.9 26.6 79.8
150 155.5 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: 50.908 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006647.D

Acq: 05 Nov 2018 19:59

Instrument :

MSVOA_W

ClientSampleId :

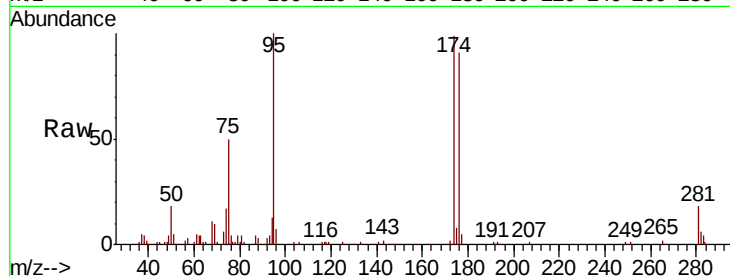
SODUS-TS-002

Tgt Ion: 75 Resp: 19916

Ion Ratio Lower Upper

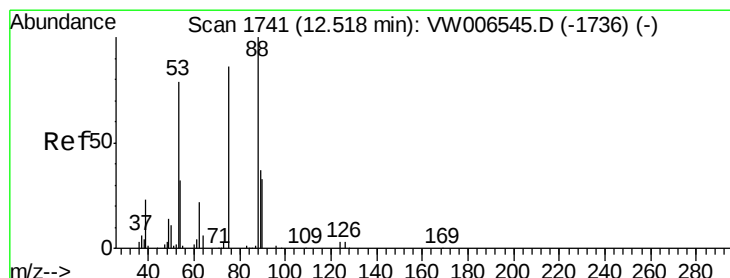
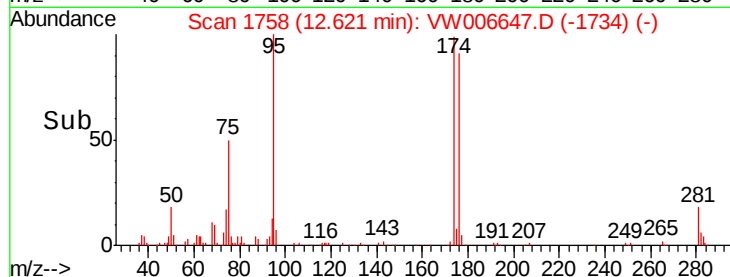
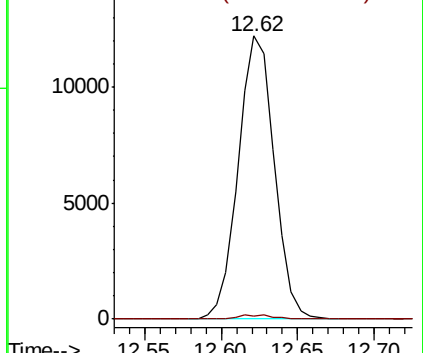
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 127.483 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006647.D

Acq: 05 Nov 2018 19:59

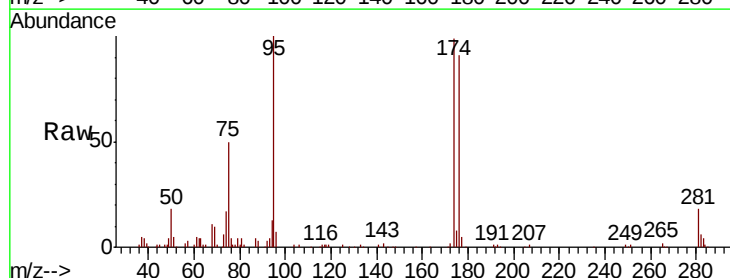
Tgt Ion: 75 Resp: 19916

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.0 38.6 58.0#



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

