

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011475.D
 Acq On : 24 Jul 2019 15:21
 Operator : SY/VA
 Sample : K3880-02
 Misc : 17.33G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 04:07:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	263116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	439570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151393	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	171585	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	7.88	113	133686	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.32	98	536236	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.61	95	176193	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	

Target Compounds

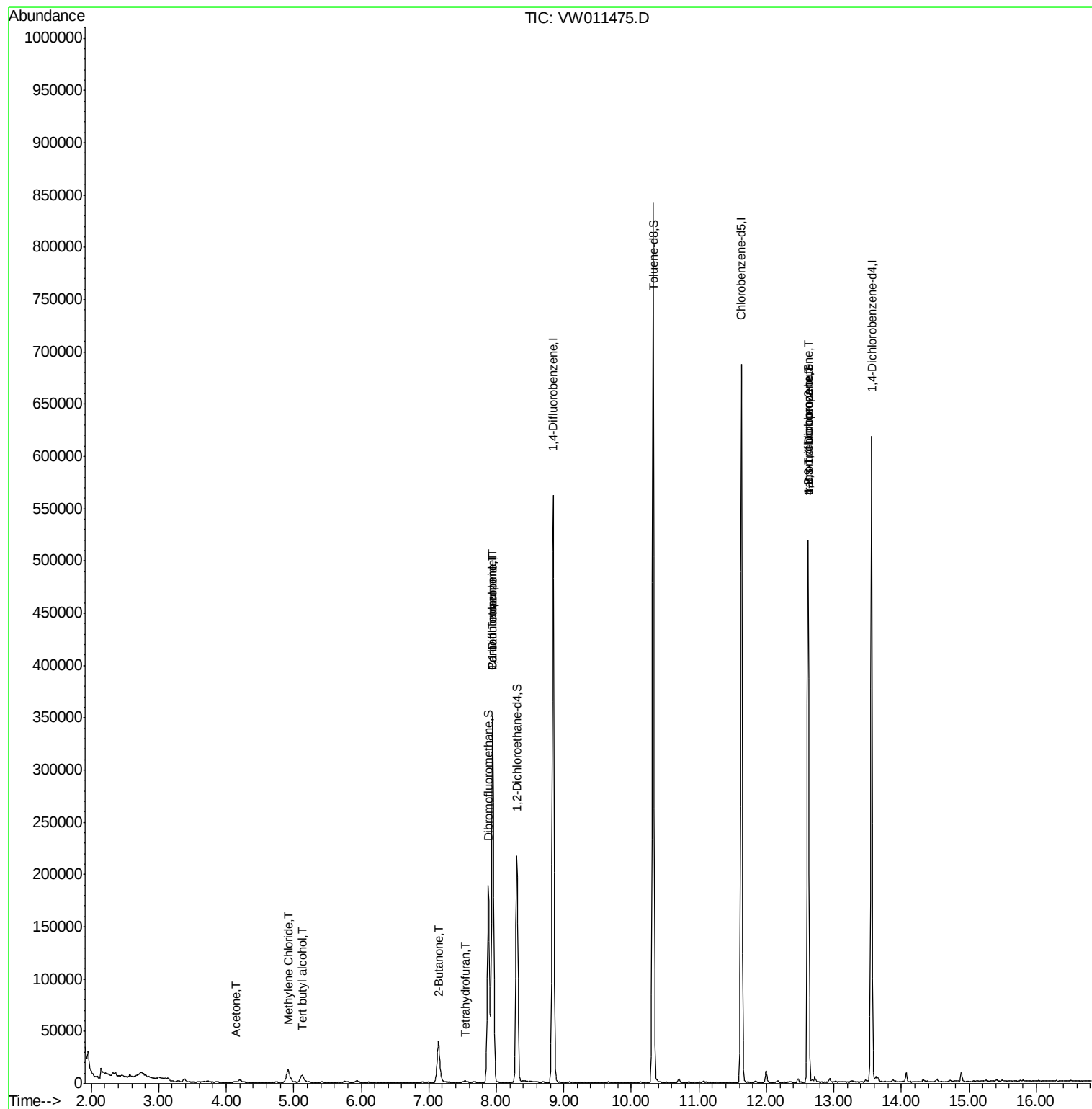
					Qvalue	
11) Tert butyl alcohol	5.13	59	7543	30.816	ug/l #	72
16) Acetone	4.14	43	1324	1.664	ug/l #	81
18) Methyl Acetate	4.64	43	219	Below Cal	#	76
20) Methylene Chloride	4.92	84	9162	2.920	ug/l	89
25) 2-Butanone	7.15	43	2020	1.618	ug/l #	85
29) Tetrahydrofuran	7.54	42	1419	1.733	ug/l #	78
36) 1,1-Dichloropropene	7.95	75	22576	4.823	ug/l #	52
38) Carbon Tetrachloride	7.95	117	26149	6.590	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	91122	52.083	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91122	117.803	ug/l #	6

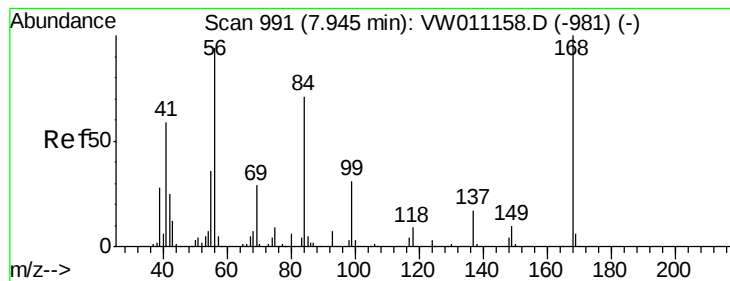
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011475.D

Acq: 24 Jul 2019 15:21

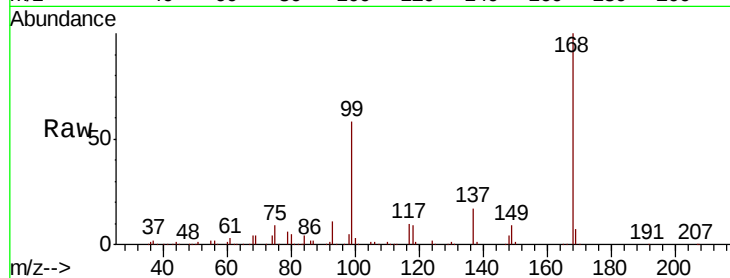
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 263116

Ion Ratio Lower Upper

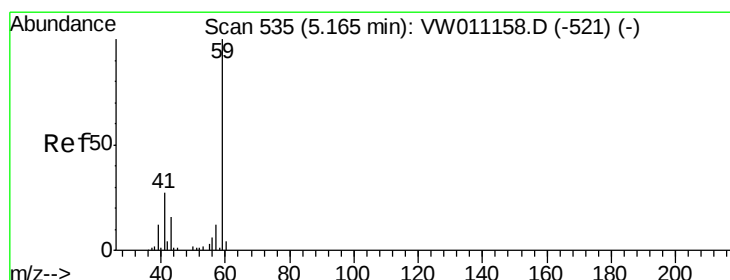
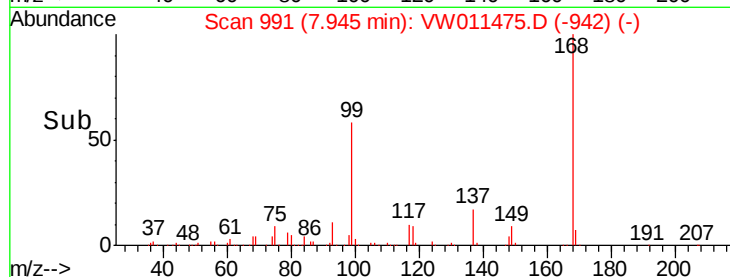
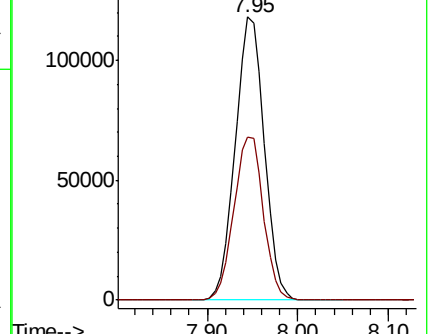
168 100

99 57.6 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 30.816 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW011475.D

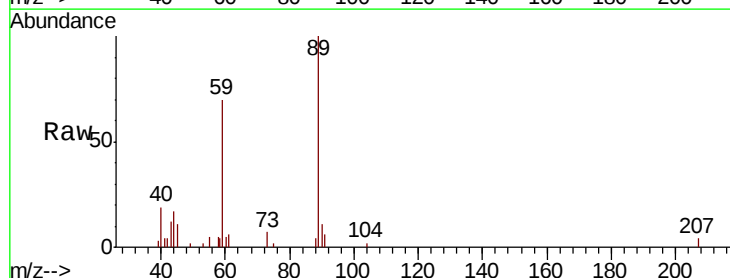
Acq: 24 Jul 2019 15:21

Tgt Ion: 59 Resp: 7543

Ion Ratio Lower Upper

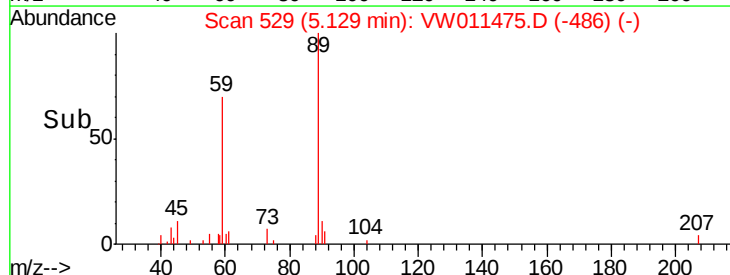
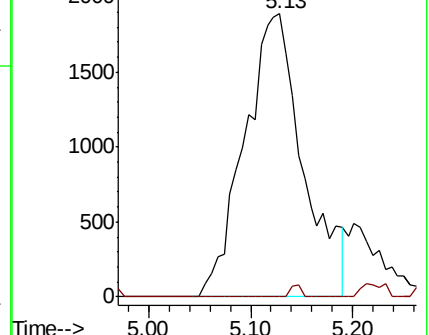
59 100

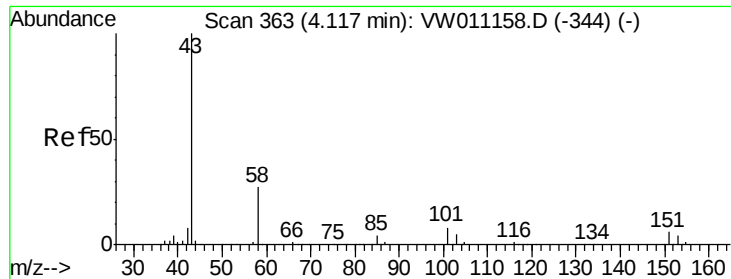
57 0.7 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1.664 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011475.D

Acq: 24 Jul 2019 15:21

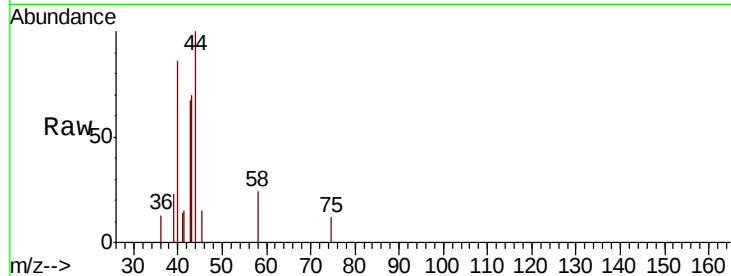
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1324

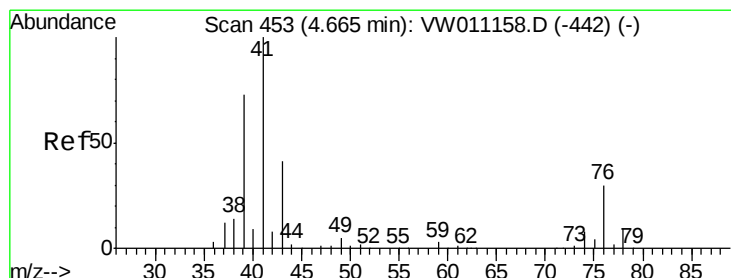
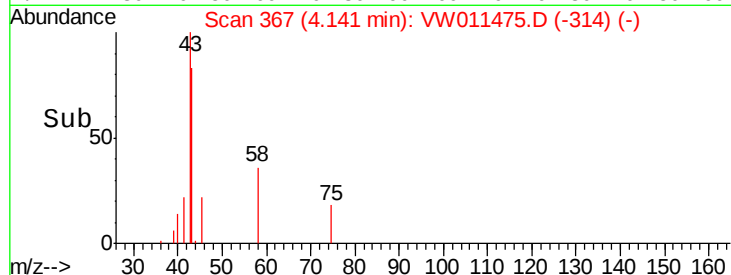
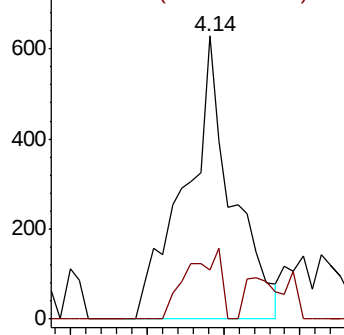
Ion Ratio Lower Upper

43 100

58 17.5 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: Below Cal

RT: 4.64 min Scan# 449

Delta R.T. -0.02 min

Lab File: VW011475.D

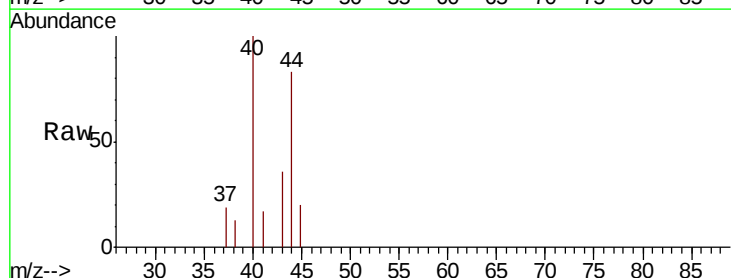
Acq: 24 Jul 2019 15:21

Tgt Ion: 43 Resp: 219

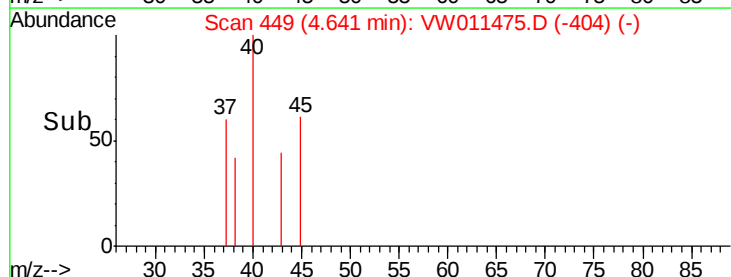
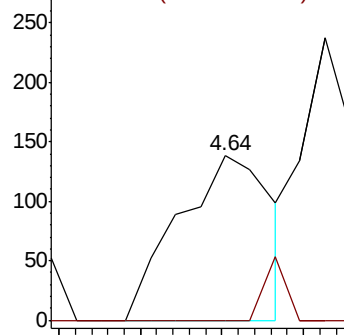
Ion Ratio Lower Upper

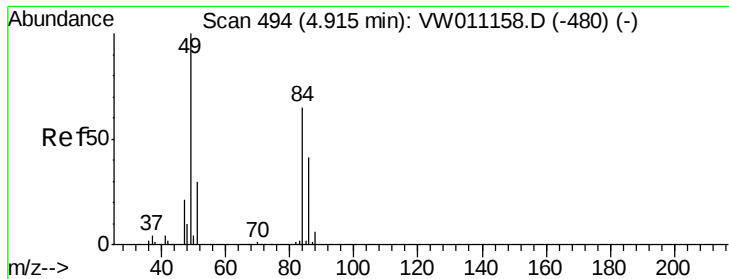
43 100

74 8.7 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW



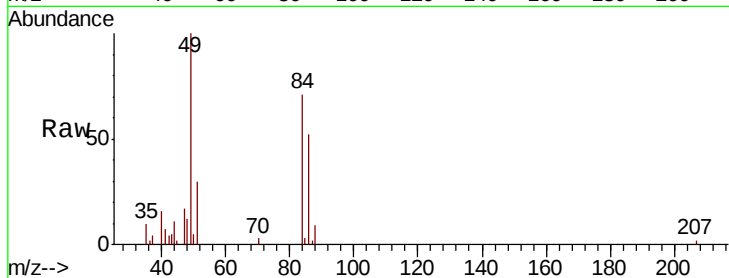


#20
Methvlene Chloride
Concen: 2.920 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011475.D
Acq: 24 Jul 2019 15:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 9162

Ion	Ratio	Lower	Upper
84	100		
49	140.3	123.8	185.6
51	39.7	37.4	56.2
86	73.7	51.1	76.7



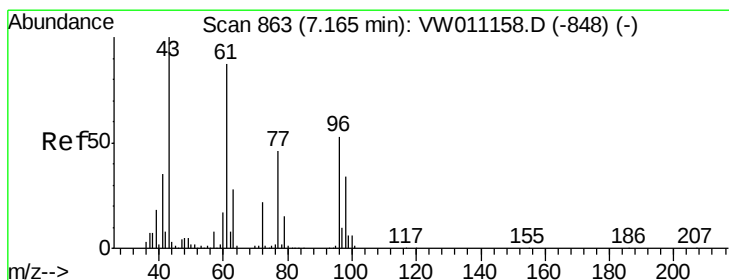
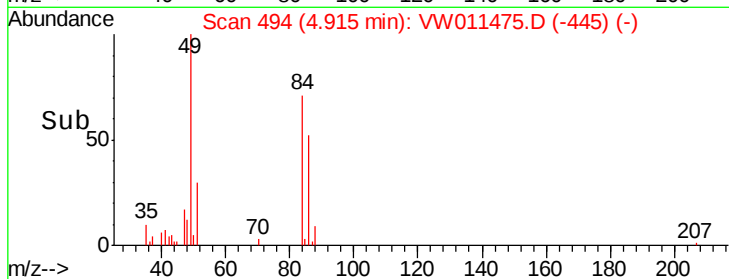
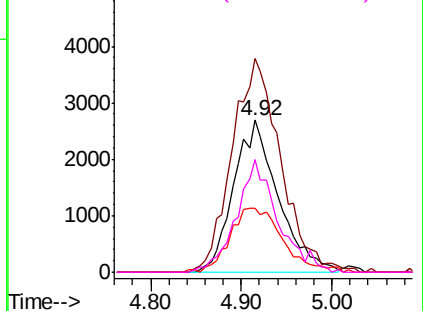
Abundance

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

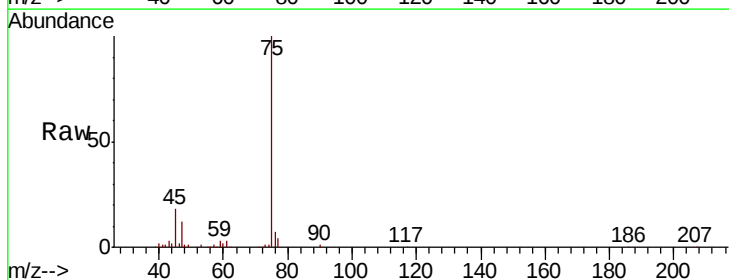
Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 1.618 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011475.D
Acq: 24 Jul 2019 15:21

Tgt Ion: 43 Resp: 2020

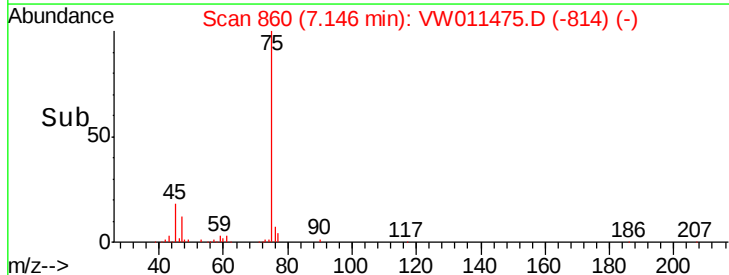
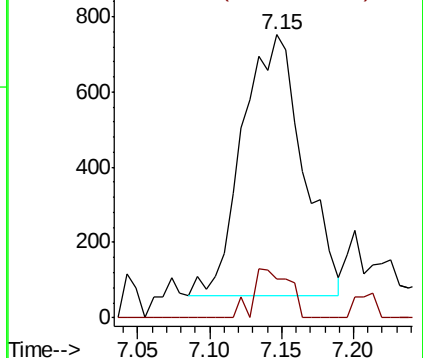
Ion	Ratio	Lower	Upper
43	100		
72	14.8	17.6	26.4#

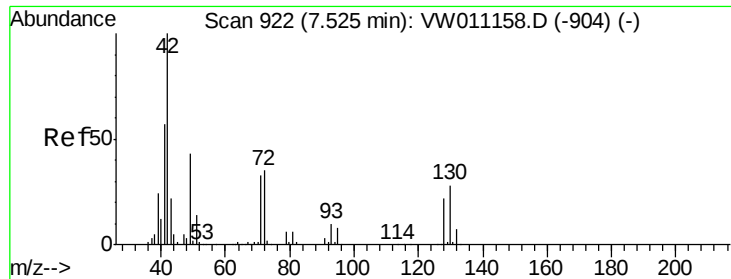


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

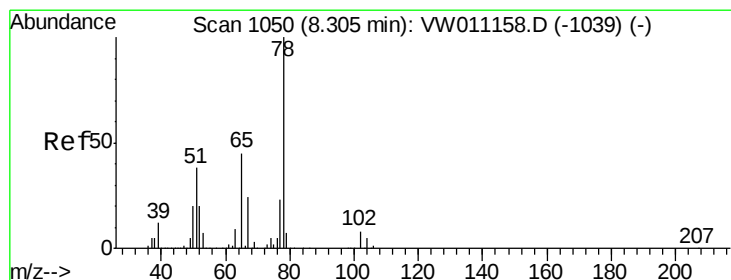
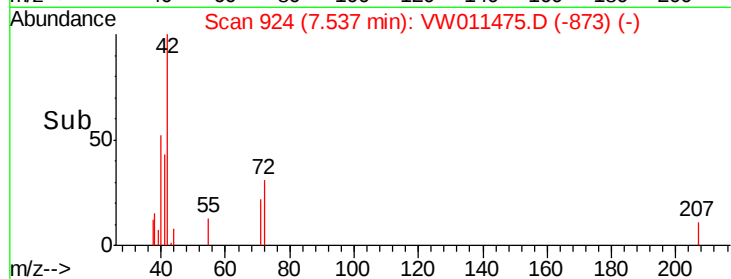
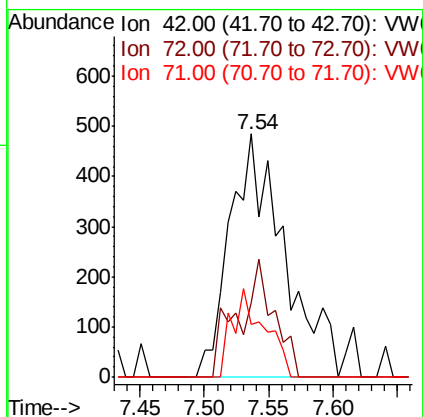
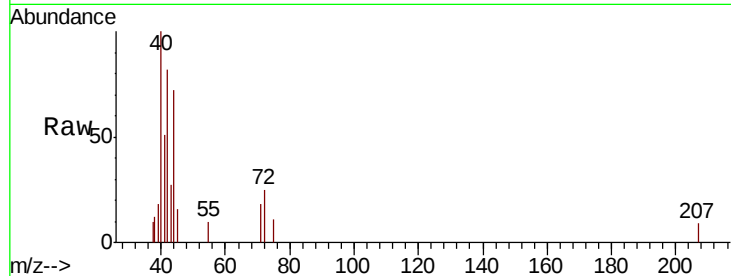




#29
Tetrahydrofuran
Concen: 1.733 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011475.D
Acq: 24 Jul 2019 15:21

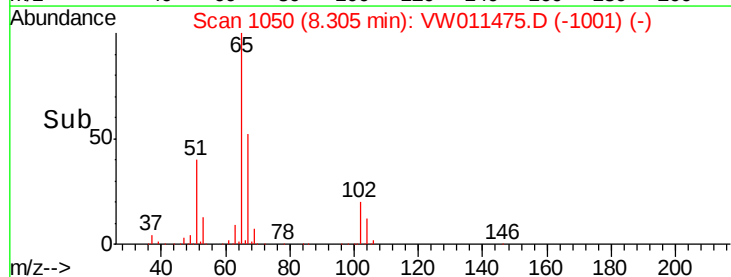
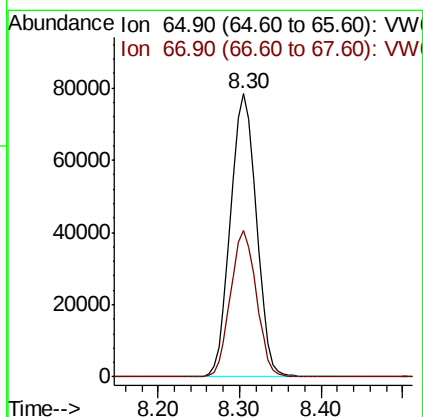
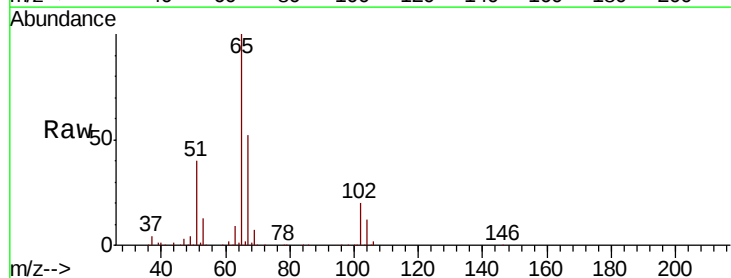
Instrument :
MSVOA_W
ClientSampled :

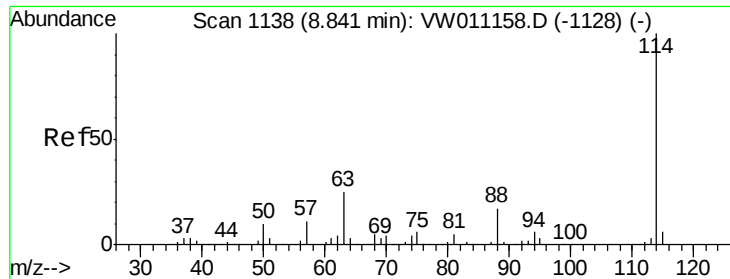
Tot Ion: 42 Resp: 1419
Ion Ratio Lower Upper
42 100
72 20.4 27.4 41.2#
71 21.8 25.9 38.9#



#33
1,2-Dichloroethane-d4
Concen: 51.899 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011475.D
Acq: 24 Jul 2019 15:21

Tgt Ion: 65 Resp: 171585
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.4

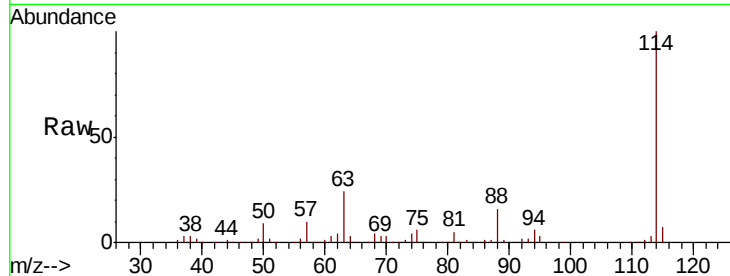




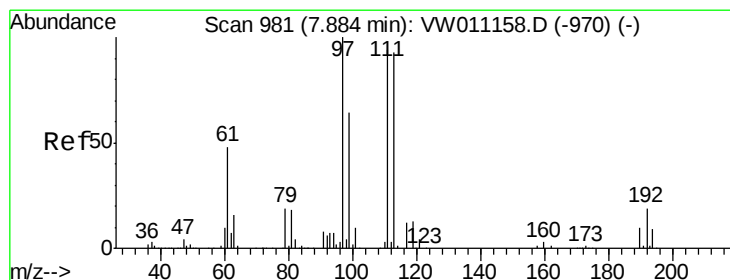
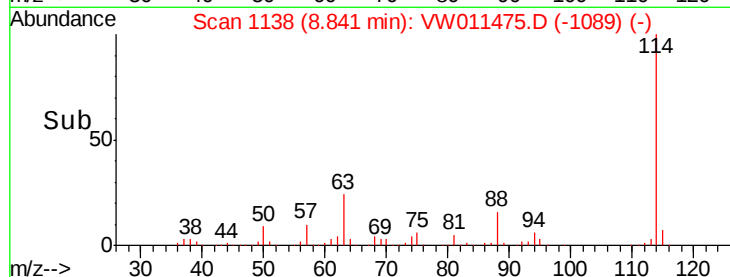
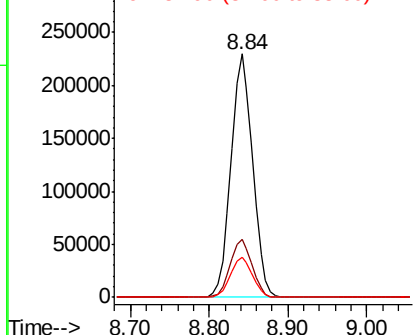
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011475.D
 Acq: 24 Jul 2019 15:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 439570
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 50.8
 88 16.5 0.0 34.2

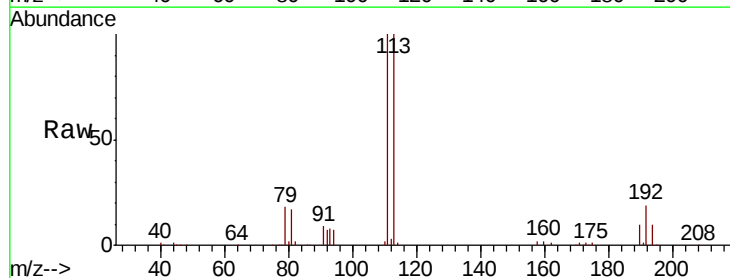


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

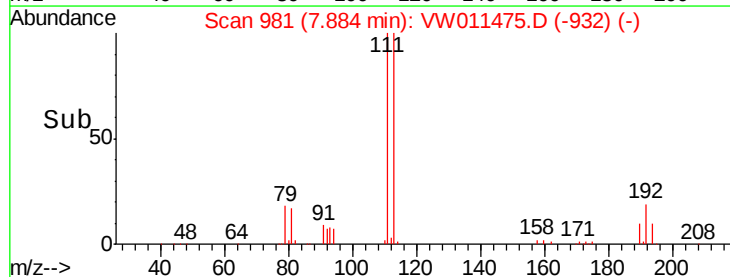
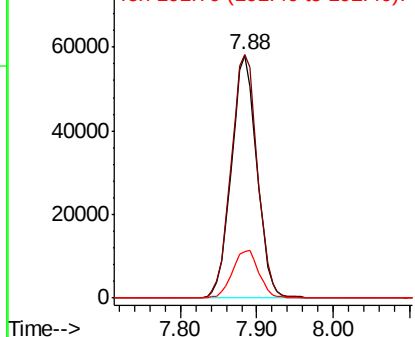


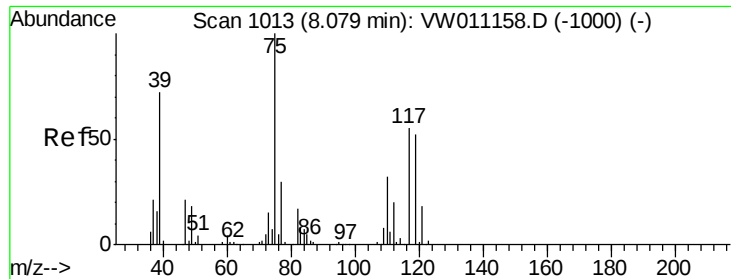
#35
 Dibromofluoromethane
 Concen: 51.025 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011475.D
 Acq: 24 Jul 2019 15:21

Tgt Ion:113 Resp: 133686
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.4 123.6
 192 20.5 15.8 23.8



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

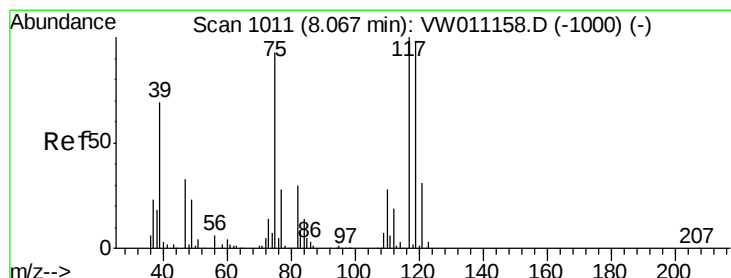
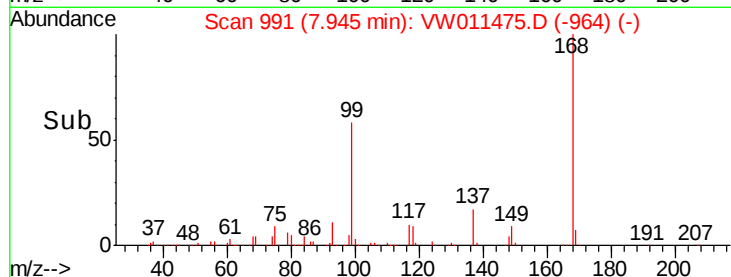
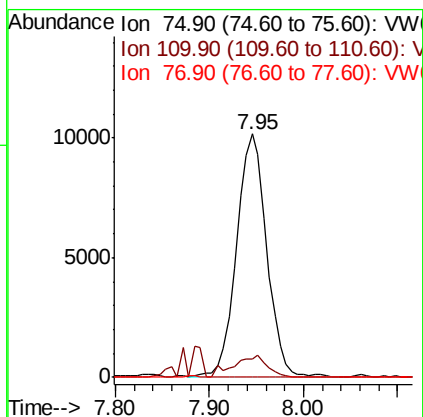
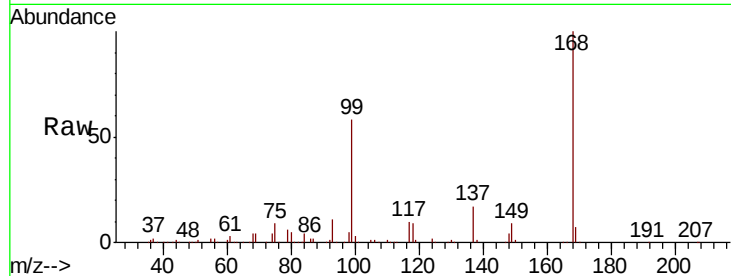




#36
 1,1-Dichloropropene
 Concen: 4.823 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011475.D
 Acq: 24 Jul 2019 15:21

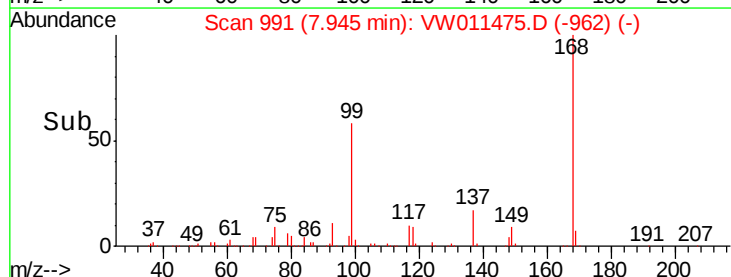
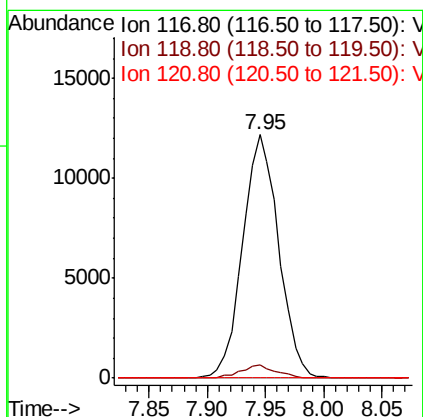
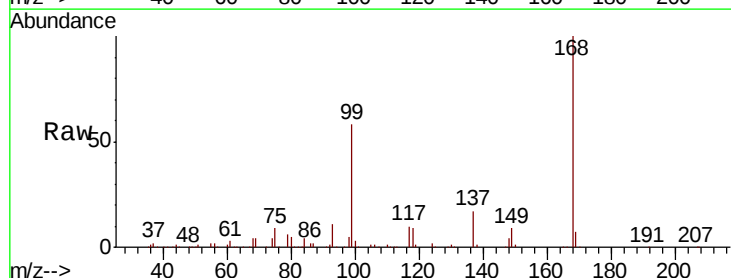
Instrument :
 MSVOA_W
 ClientSampled :

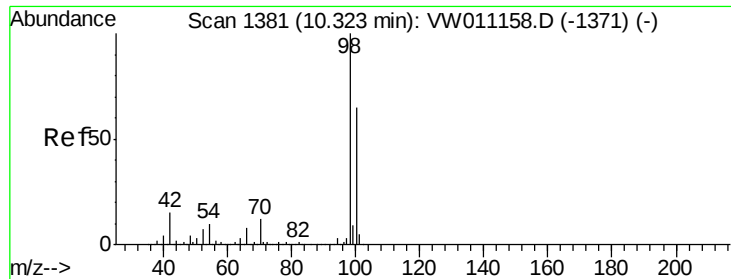
Tot Ion: 75 Resp: 22576
 Ion Ratio Lower Upper
 75 100
 110 9.9 15.9 47.6#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.590 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011475.D
 Acq: 24 Jul 2019 15:21

Tgt Ion: 117 Resp: 26149
 Ion Ratio Lower Upper
 117 100
 119 5.3 78.1 117.1#
 121 0.0 25.1 37.7#





#50

Toluene-d8

Concen: 50.633 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011475.D

Acq: 24 Jul 2019 15:21

Instrument :

MSVOA_W

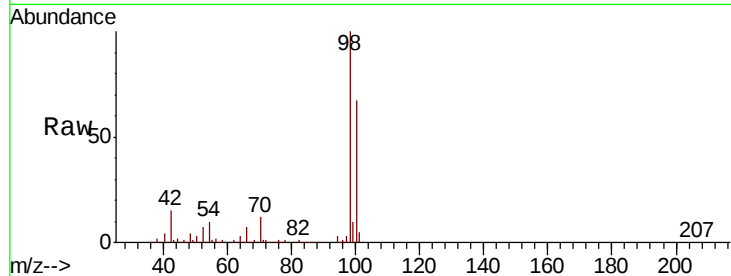
ClientSampleId :

Tot Ion: 98 Resp: 536236

Ion Ratio Lower Upper

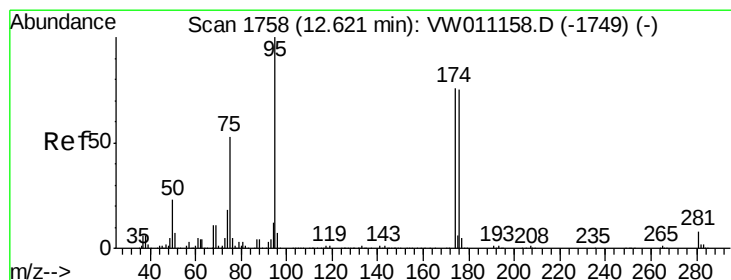
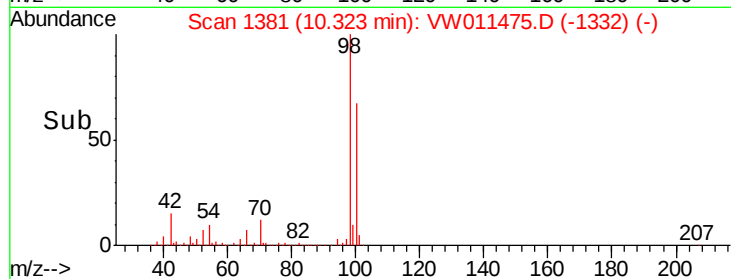
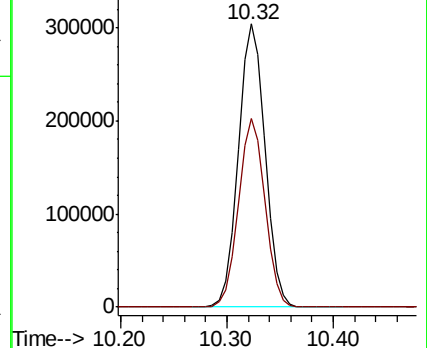
98 100

100 66.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 45.389 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011475.D

Acq: 24 Jul 2019 15:21

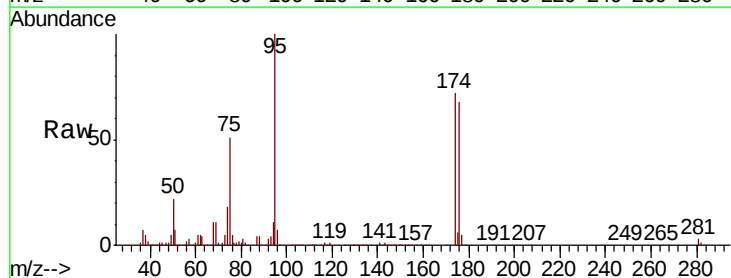
Tgt Ion: 95 Resp: 176193

Ion Ratio Lower Upper

95 100

174 76.0 0.0 147.6

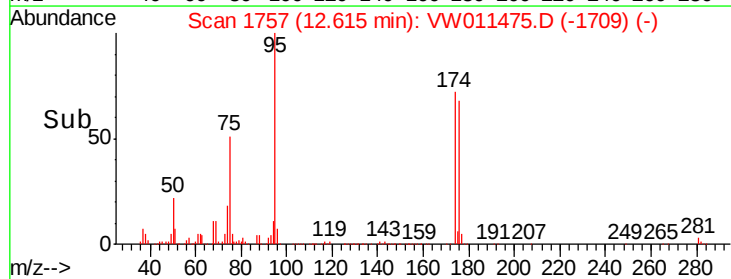
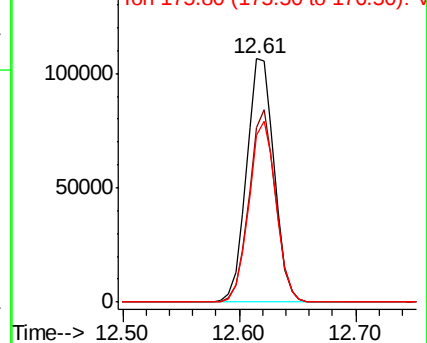
176 73.2 0.0 144.6

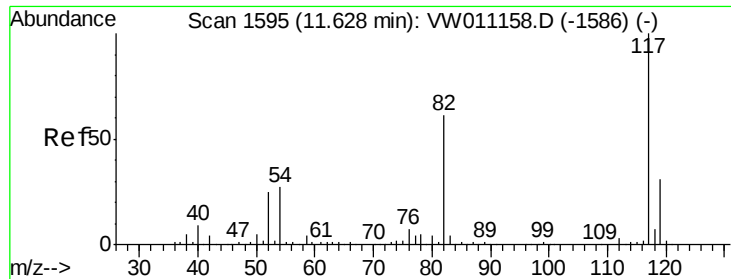


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

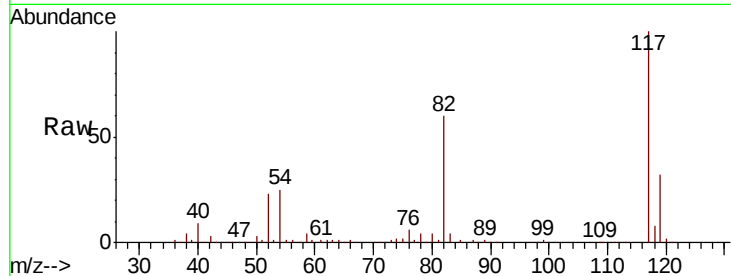




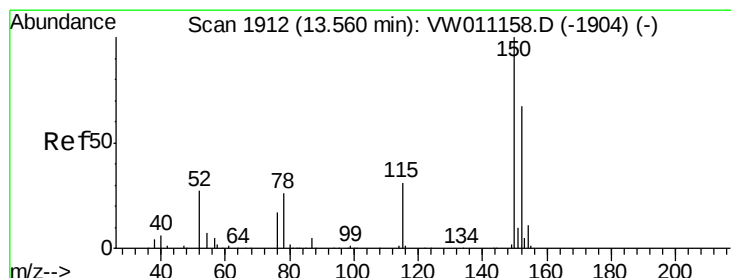
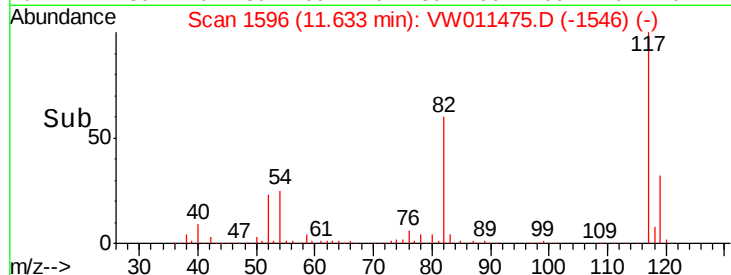
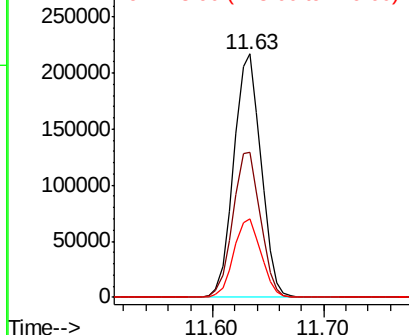
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011475.D
Acq: 24 Jul 2019 15:21

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 367578
Ion Ratio Lower Upper
117 100
82 59.8 48.9 73.3
119 32.4 25.0 37.6

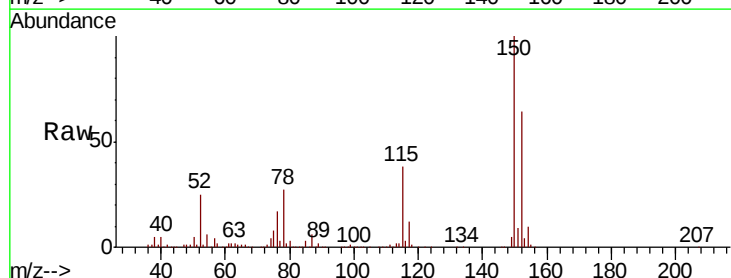


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

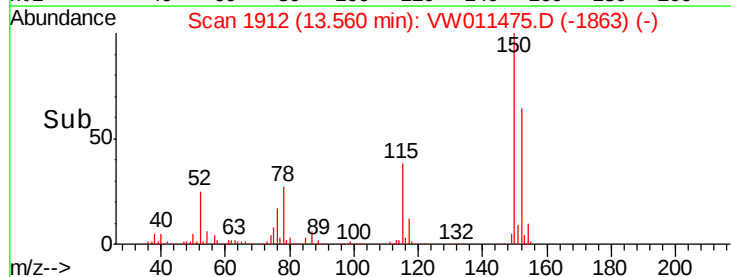
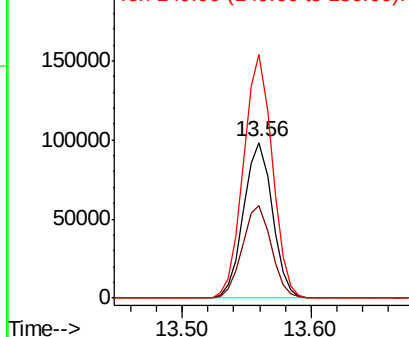


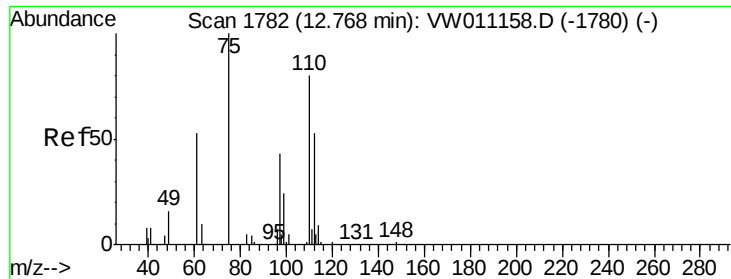
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011475.D
Acq: 24 Jul 2019 15:21

Tgt Ion:152 Resp: 151393
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 157.0 0.0 346.0



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: 52.083 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011475.D

Acq: 24 Jul 2019 15:21

Instrument :

MSVOA_W

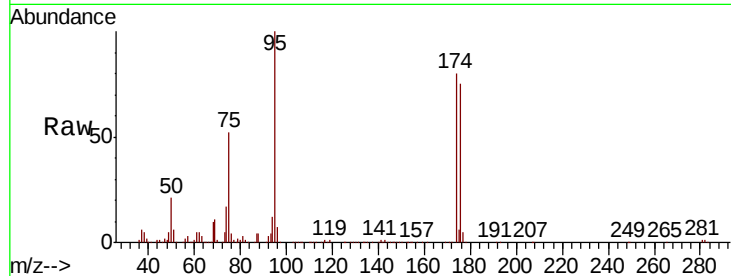
ClientSampleId :

Tot Ion: 75 Resp: 91122

Ion Ratio Lower Upper

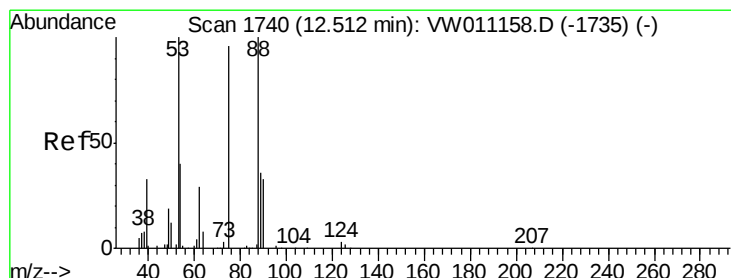
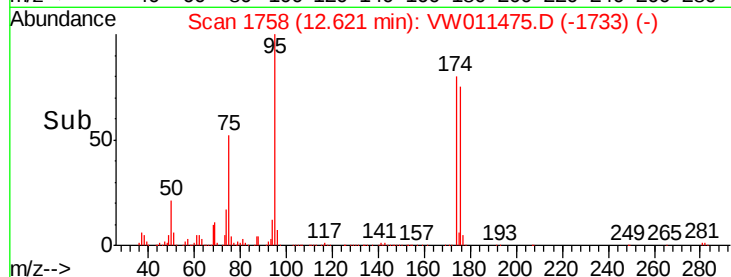
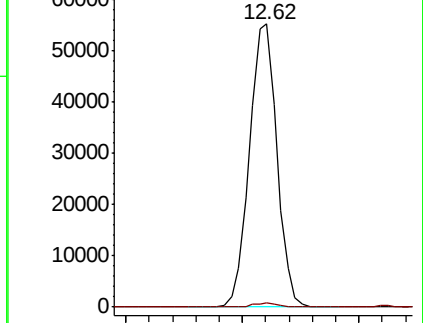
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 117.803 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011475.D

Acq: 24 Jul 2019 15:21

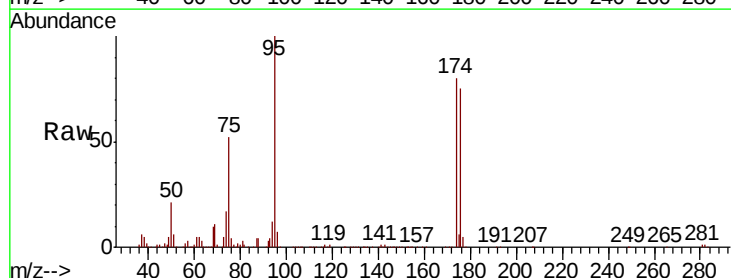
Tgt Ion: 75 Resp: 91122

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.1 34.3 51.5#



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

