

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
 Data File : VW011757.D
 Acq On : 07 Aug 2019 17:48
 Operator : SY/VA
 Sample : K4219-05
 Misc : 5.58G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-239-217-225-230

Quant Time: Aug 08 08:42:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	205166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	284674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107258	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	137767	58.48	ug/l	0.00
Spiked Amount			Recovery	=	116.96%	
35) Dibromofluoromethane	7.88	113	106580	55.51	ug/l	0.00
Spiked Amount			Recovery	=	111.02%	
50) Toluene-d8	10.32	98	420566	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
62) 4-Bromofluorobenzene	12.62	95	127782	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	

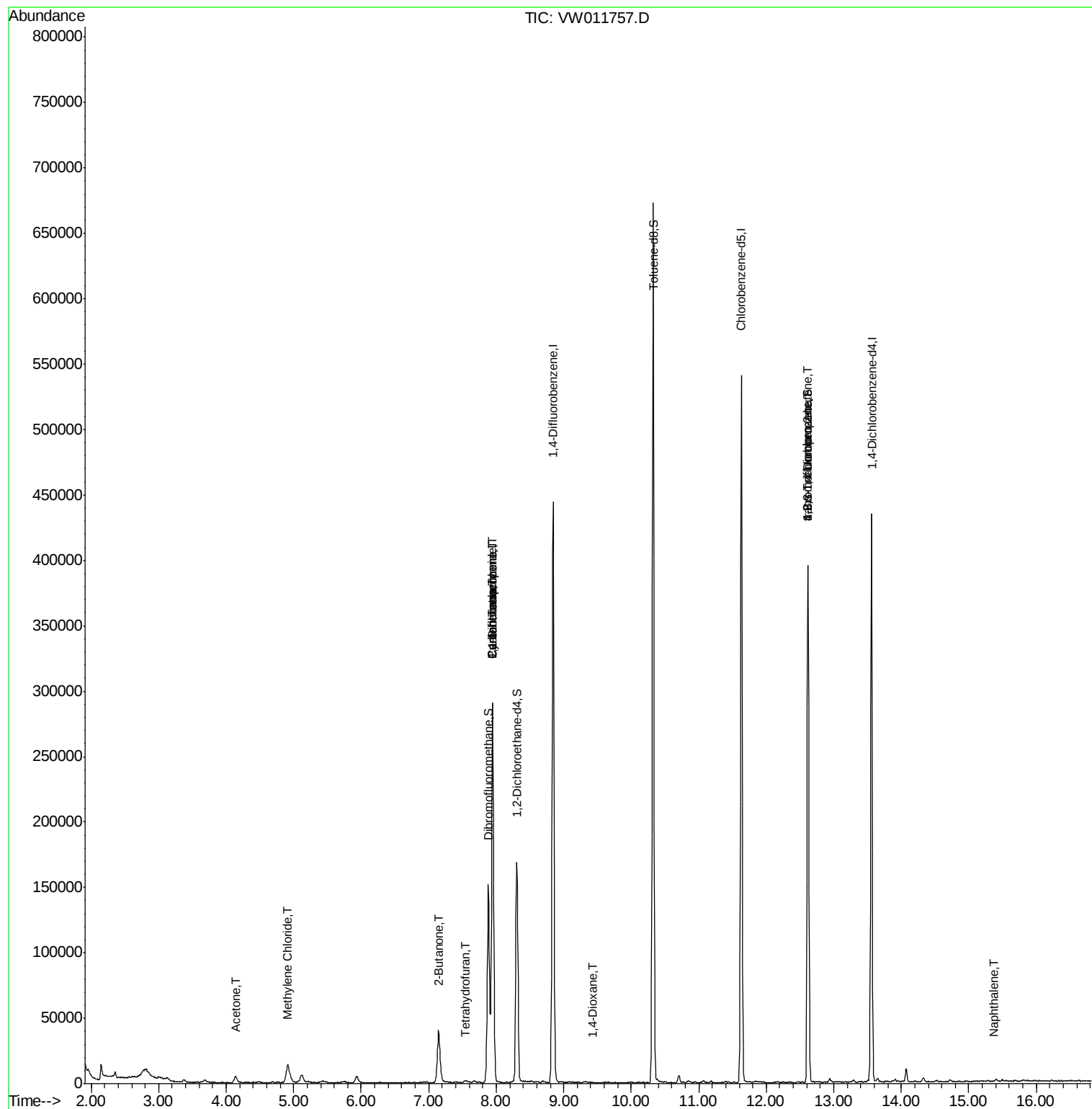
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	198	Below Cal	#	92
16) Acetone	4.14	43	9626	12.845	ug/l	95
20) Methylene Chloride	4.92	84	10049	3.888	ug/l	92
25) 2-Butanone	7.15	43	2653	2.705	ug/l #	90
29) Tetrahydrofuran	7.54	42	1288	2.298	ug/l #	87
31) Cyclohexane	7.95	56	5325	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18000	5.058	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21030	6.903	ug/l #	16
49) 1,4-Dioxane	9.43	88	23	1.305	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	69817	61.517	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69817	141.777	ug/l #	6
95) Naphthalene	15.36	128	145	2.099	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011757.D

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Instrument :

MSVOA_W

ClientSampleId :

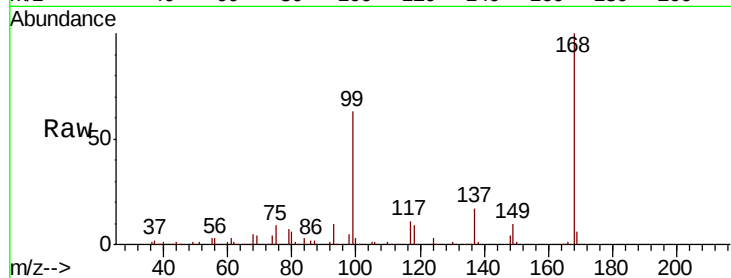
VNJ-239-217-225-230

Tgt Ion:168 Resp: 205166

Ion Ratio Lower Upper

168 100

99 63.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

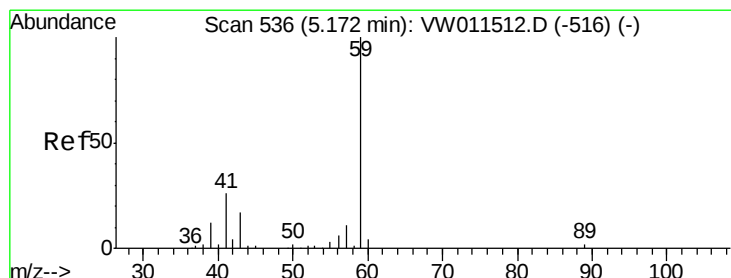
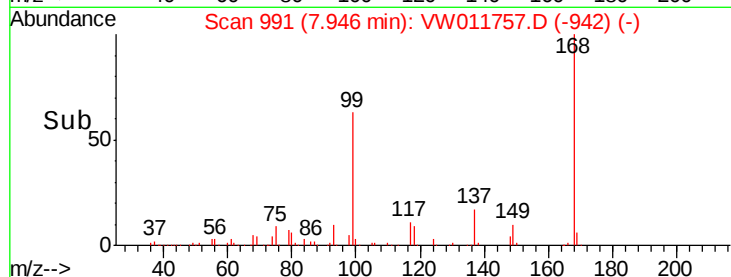
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW011757.D

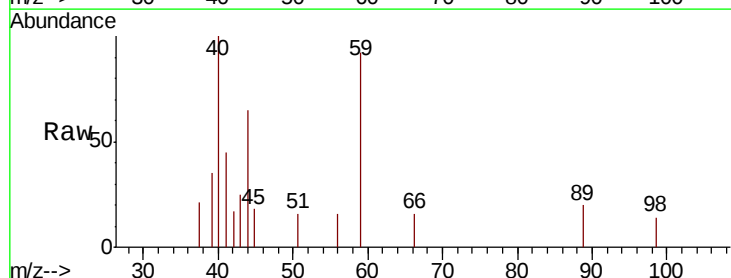
Acq: 07 Aug 2019 17:48

Tgt Ion: 59 Resp: 198

Ion Ratio Lower Upper

59 100

57 13.6 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

500

400

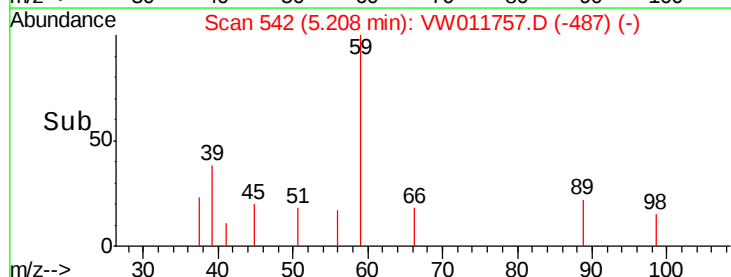
300

200

100

0

Time-->





#16

Acetone

Concen: 12.845 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011757.D

Acq: 07 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

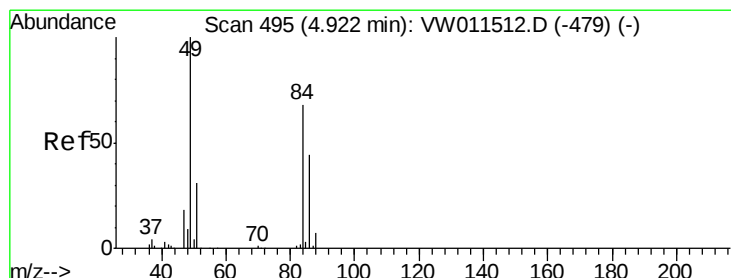
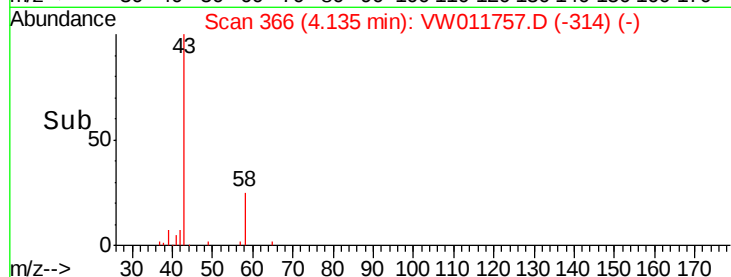
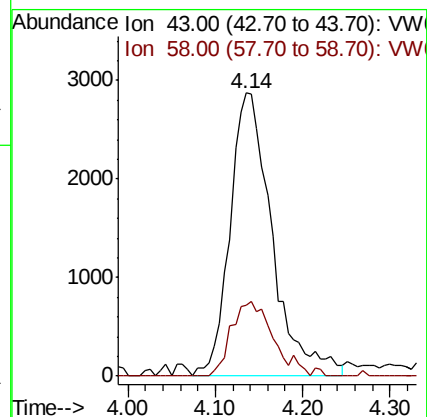
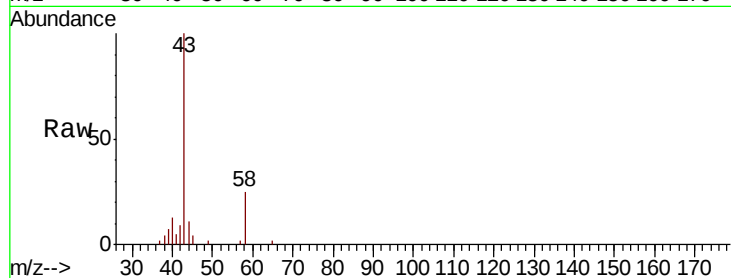
VNJ-239-217-225-230

Tgt Ion: 43 Resp: 9626

Ion Ratio Lower Upper

43 100

58 25.2 22.3 33.5



#20

Methylene Chloride

Concen: 3.888 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011757.D

Acq: 07 Aug 2019 17:48

Tgt Ion: 84 Resp: 10049

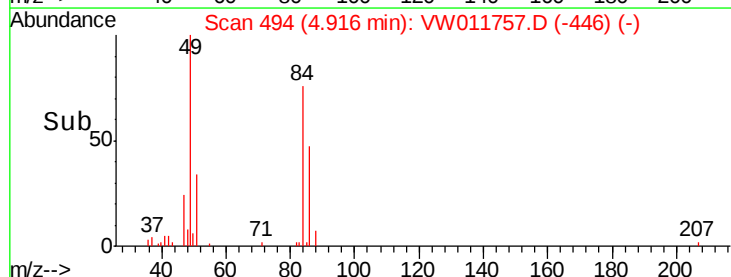
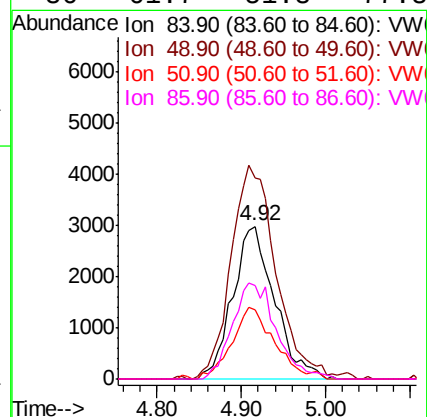
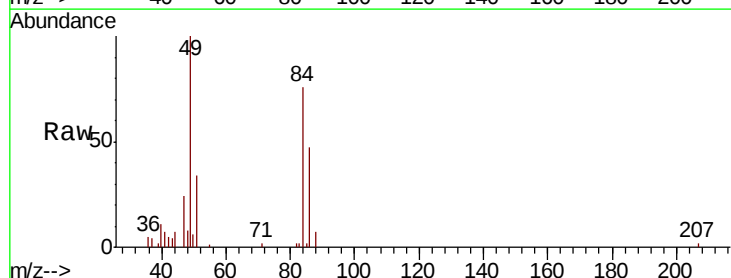
Ion Ratio Lower Upper

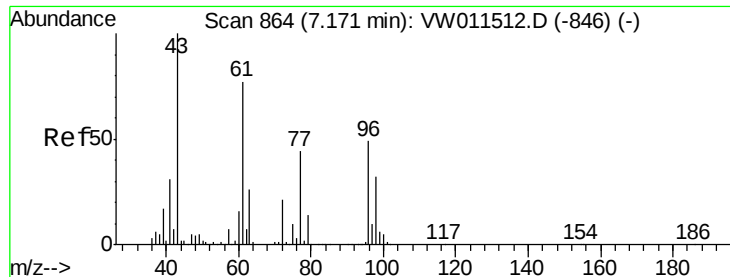
84 100

49 132.1 117.8 176.6

51 45.4 37.0 55.4

86 61.7 51.8 77.8





#25

2-Butanone

Concen: 2.705 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW011757.D

Acq: 07 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

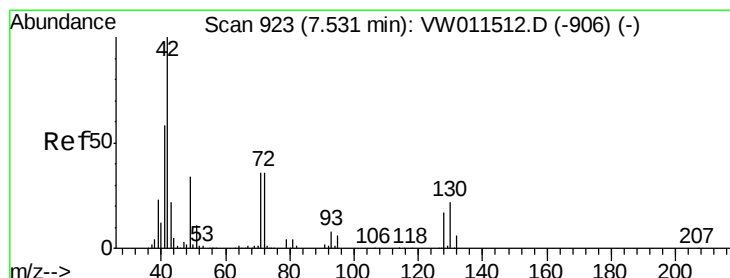
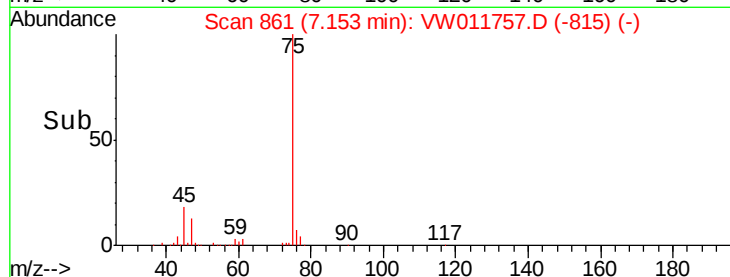
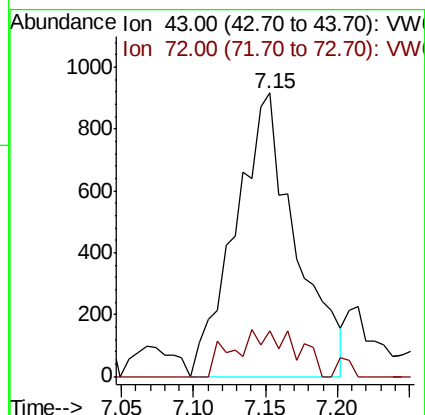
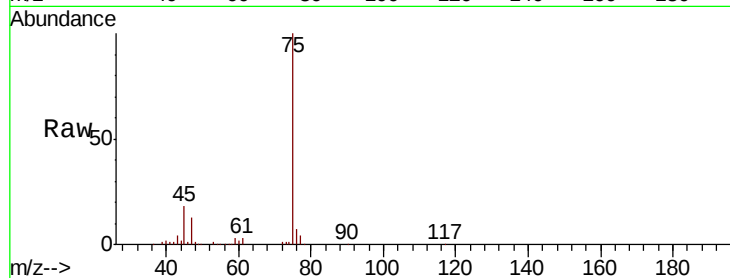
VNJ-239-217-225-230

Tgt Ion: 43 Resp: 2653

Ion Ratio Lower Upper

43 100

72 16.3 16.6 24.8#



#29

Tetrahydrofuran

Concen: 2.298 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011757.D

Acq: 07 Aug 2019 17:48

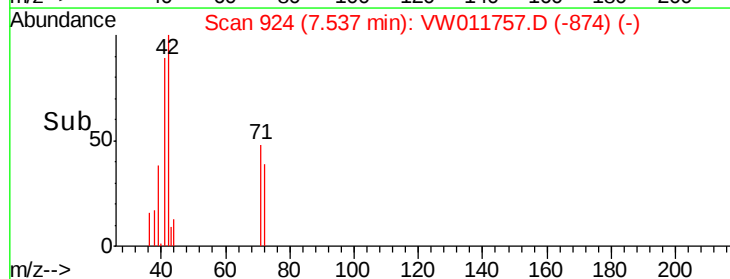
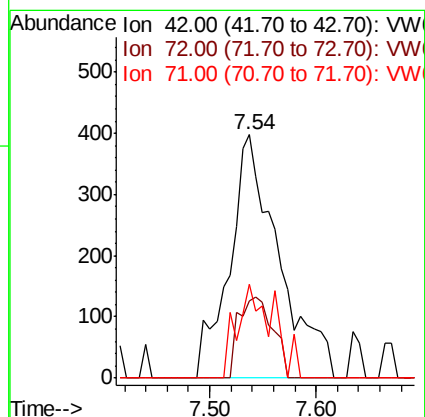
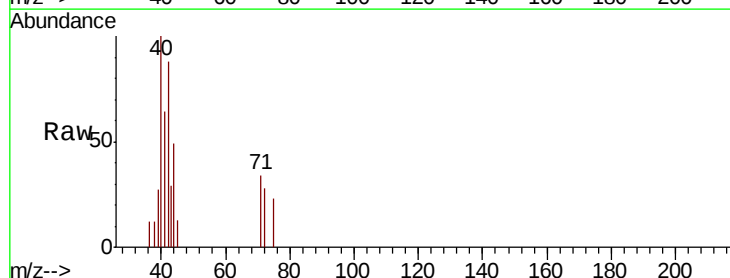
Tgt Ion: 42 Resp: 1288

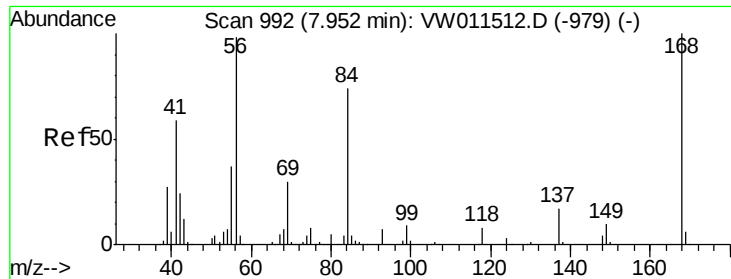
Ion Ratio Lower Upper

42 100

72 23.4 27.1 40.7#

71 28.6 26.2 39.4

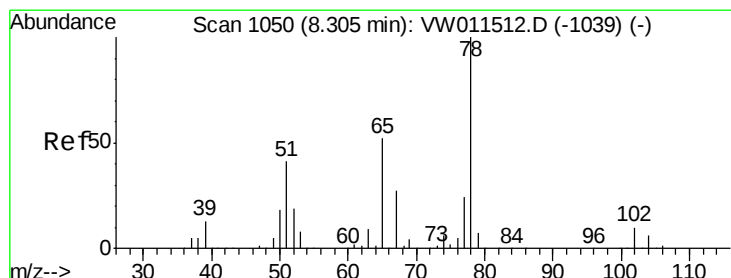
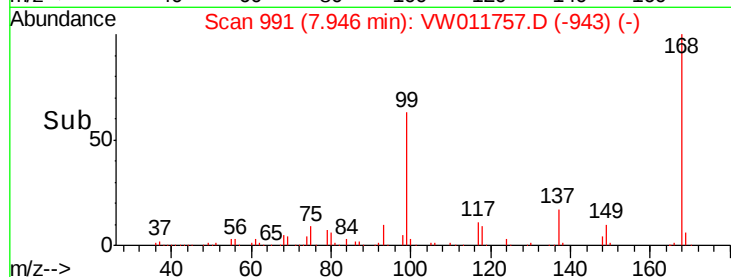
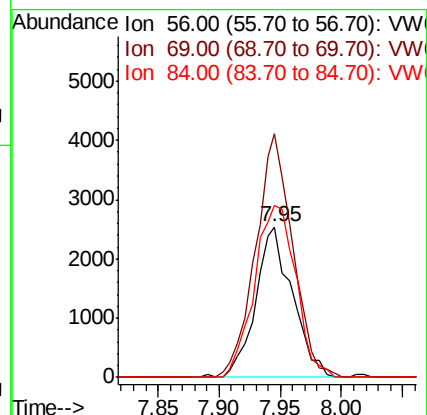
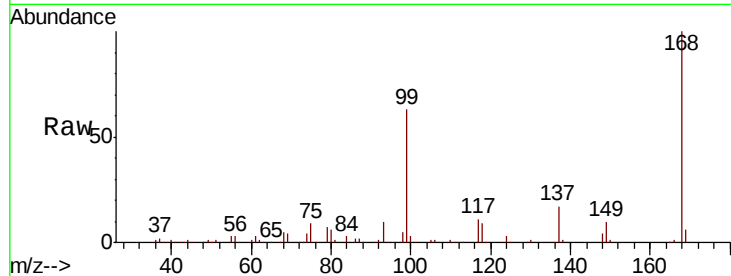




#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011757.D
Acq: 07 Aug 2019 17:48

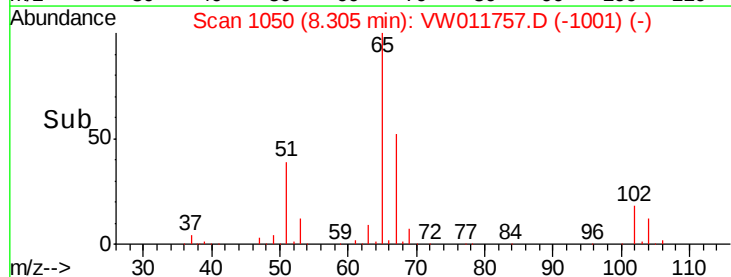
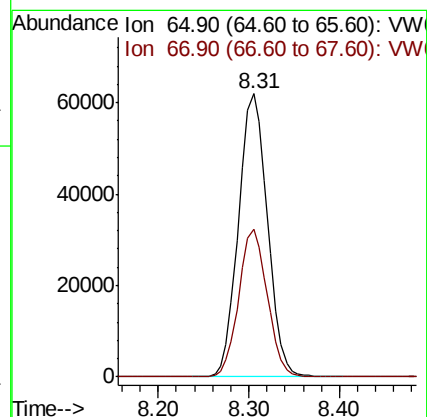
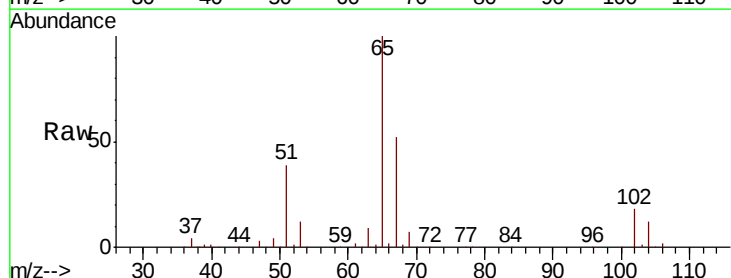
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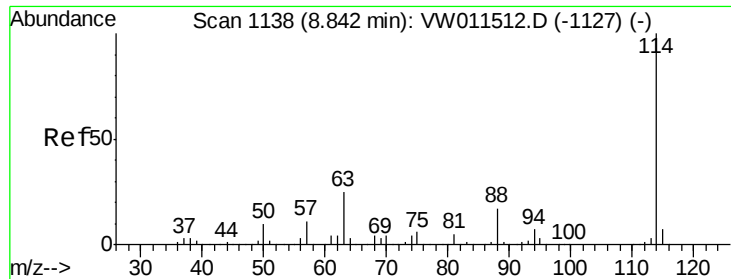
Tgt Ion: 56 Resp: 5325
Ion Ratio Lower Upper
56 100
69 162.0 24.3 36.5#
84 114.5 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 58.478 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW011757.D
Acq: 07 Aug 2019 17:48

Tgt Ion: 65 Resp: 137767
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.2

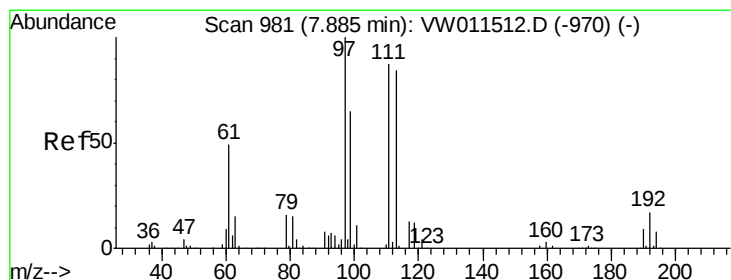
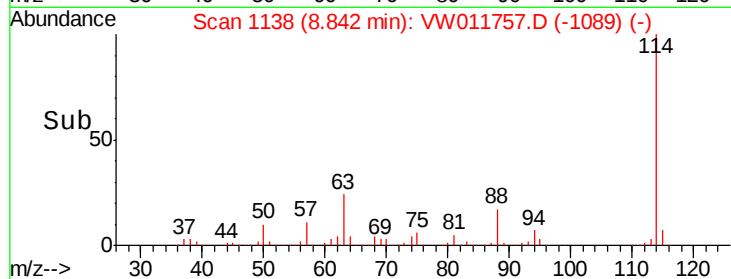
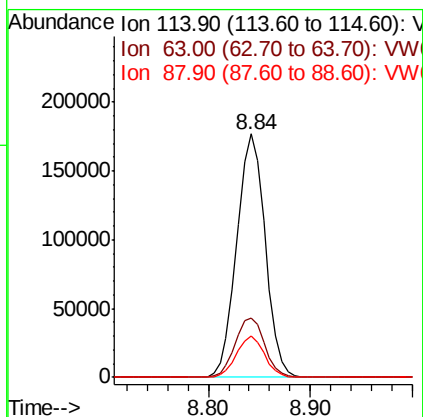
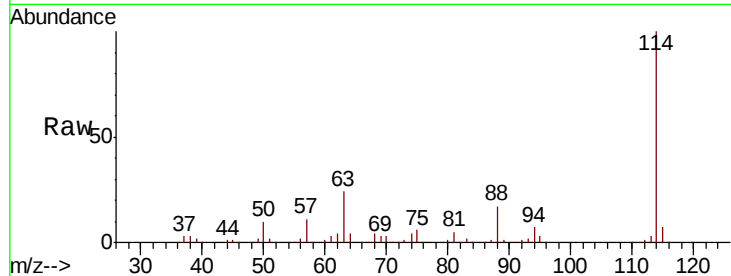




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011757.D
 Acq: 07 Aug 2019 17:48

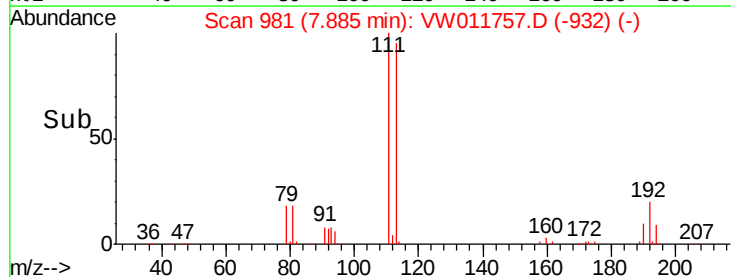
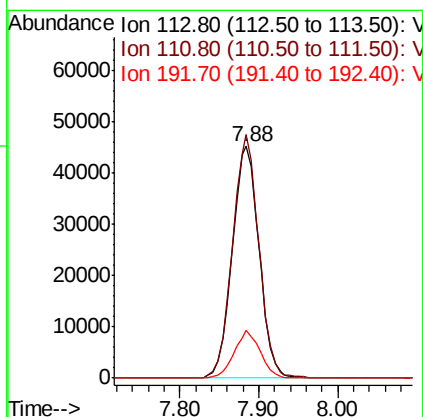
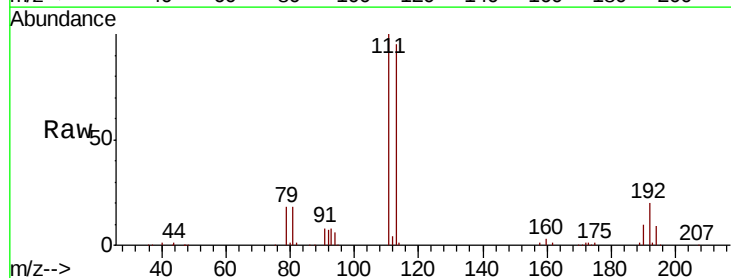
Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-239-217-225-230

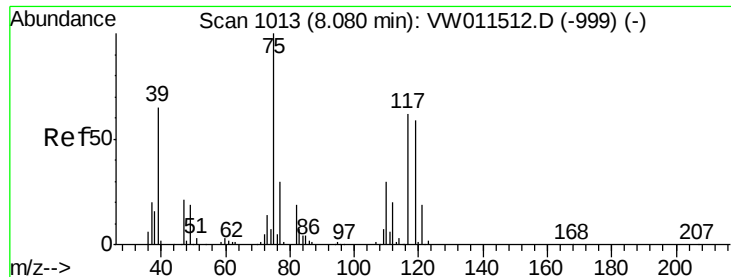
Tgt Ion:114 Resp: 342255
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 17.0 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 55.507 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011757.D
 Acq: 07 Aug 2019 17:48

Tgt Ion:113 Resp: 106580
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.7 124.1
 192 19.9 16.1 24.1

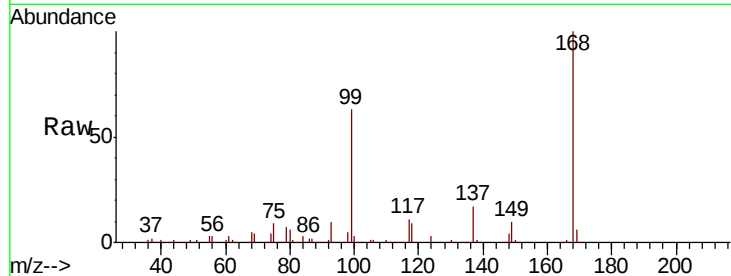




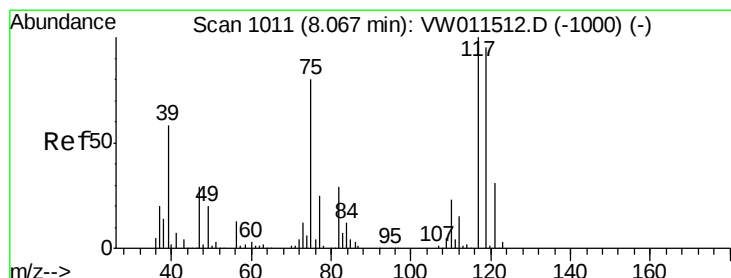
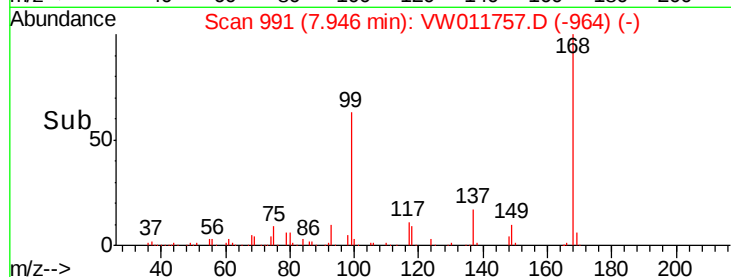
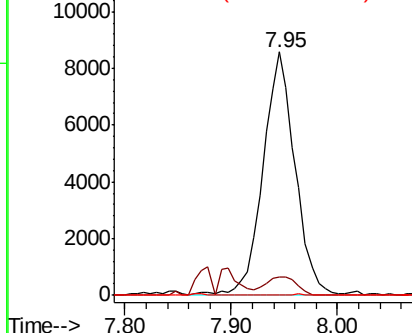
#36
 1,1-Dichloropropene
 Concen: 5.058 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011757.D
 Acq: 07 Aug 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-239-217-225-230

Tgt Ion: 75 Resp: 18000
 Ion Ratio Lower Upper
 75 100
 110 7.5 15.6 46.8#
 77 0.1 24.3 36.5#

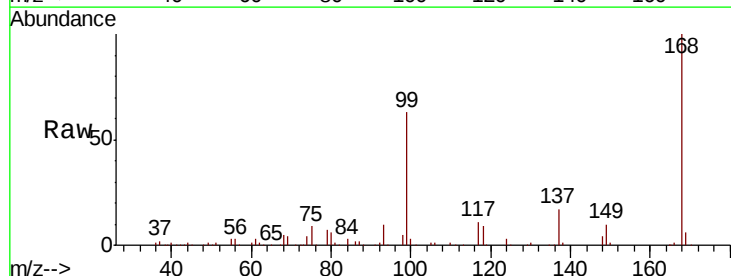


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

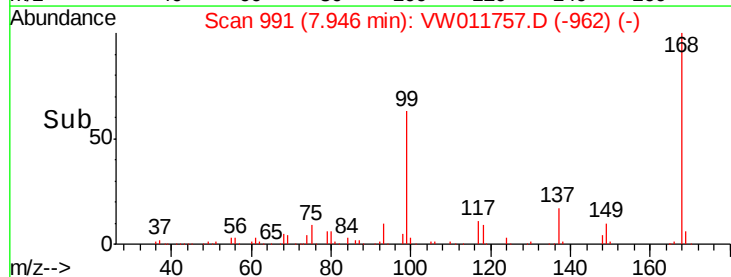
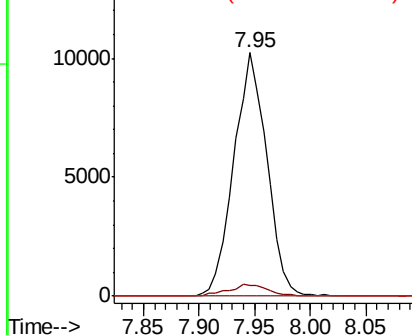


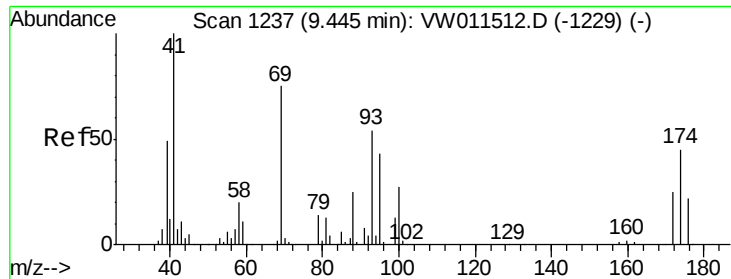
#38
 Carbon Tetrachloride
 Concen: 6.903 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011757.D
 Acq: 07 Aug 2019 17:48

Tgt Ion: 117 Resp: 21030
 Ion Ratio Lower Upper
 117 100
 119 4.2 75.8 113.6#
 121 0.0 24.7 37.1#



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

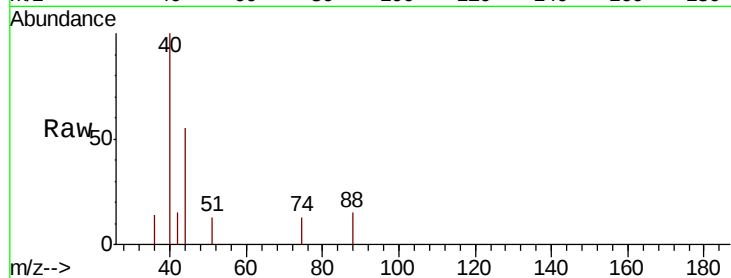




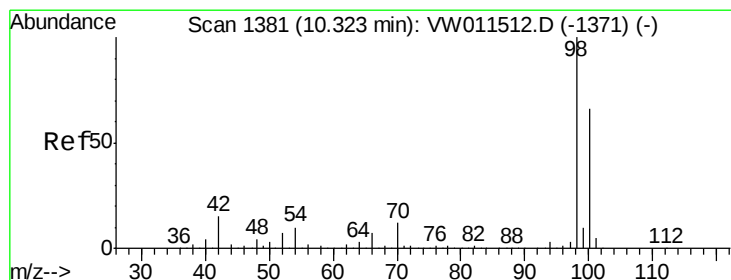
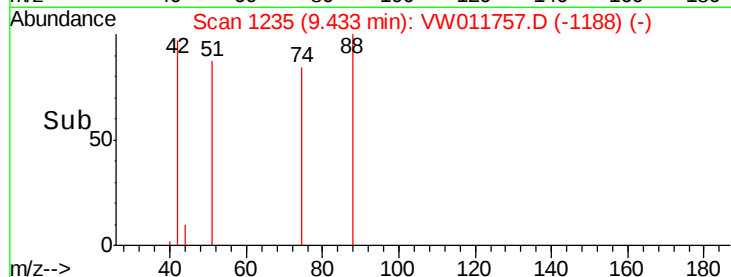
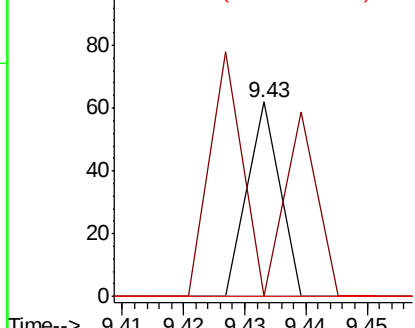
#49
1,4-Dioxane
Concen: 1.305 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW011757.D
Acq: 07 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VNJ-239-217-225-230

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 217.4 34.0 51.0#
58 0.0 69.7 104.5#

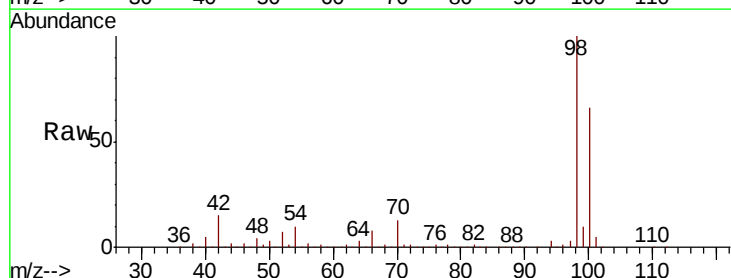


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

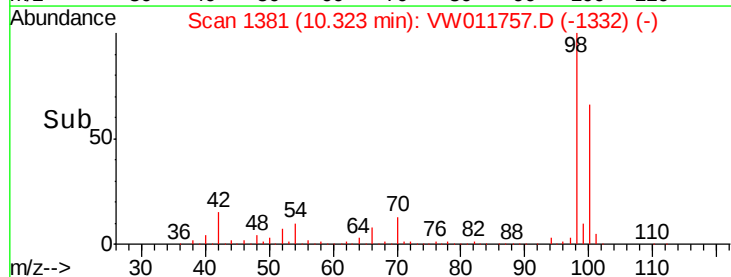
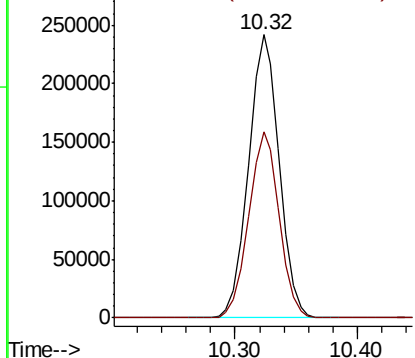


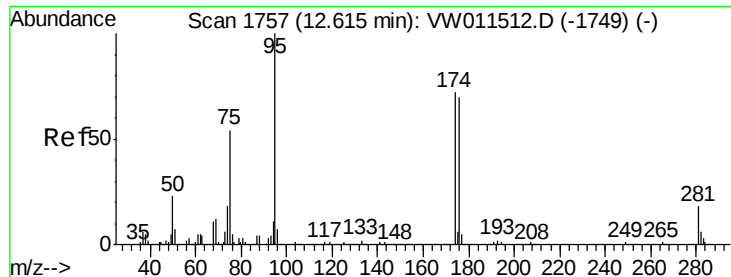
#50
Toluene-d8
Concen: 53.497 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011757.D
Acq: 07 Aug 2019 17:48

Tgt Ion: 98 Resp: 420566
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

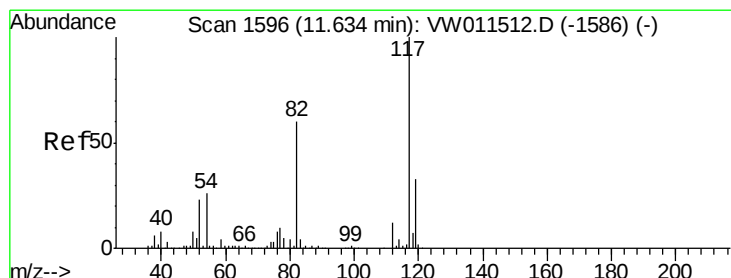
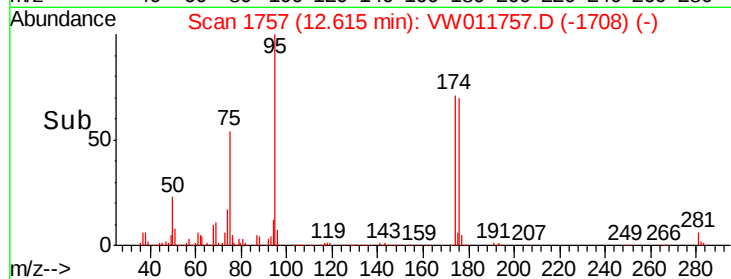
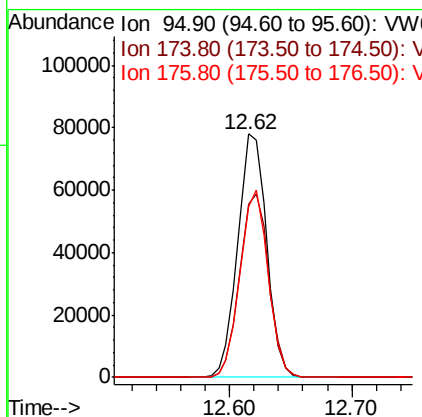
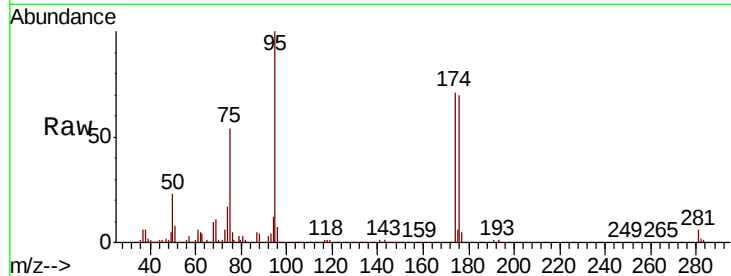




#62
4-Bromofluorobenzene
Concen: 45.591 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011757.D
Acq: 07 Aug 2019 17:48

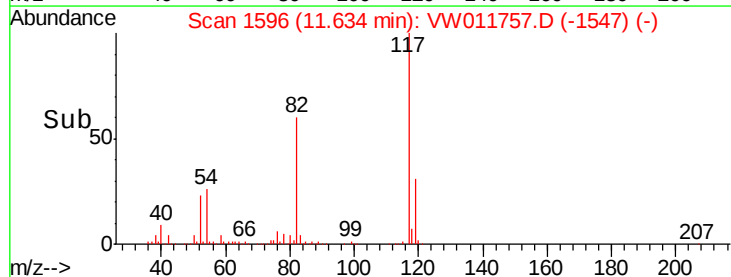
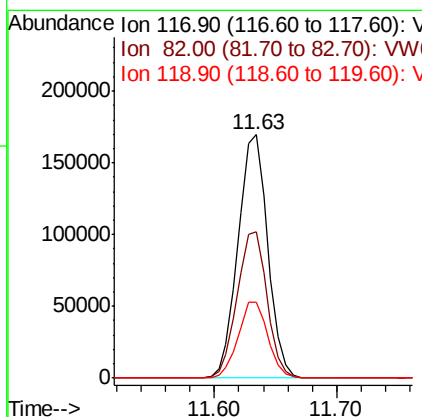
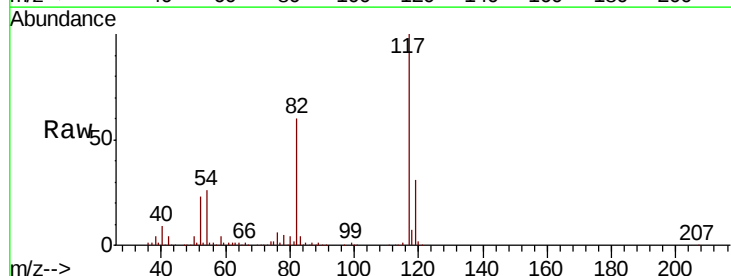
Instrument :
MSVOA_W
ClientSampleId :
VNJ-239-217-225-230

Tgt Ion: 95 Resp: 127782
Ion Ratio Lower Upper
95 100
174 76.5 0.0 150.2
176 74.7 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011757.D
Acq: 07 Aug 2019 17:48

Tgt Ion: 117 Resp: 284674
Ion Ratio Lower Upper
117 100
82 60.3 47.9 71.9
119 31.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011757.D

Acq: 07 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VNJ-239-217-225-230

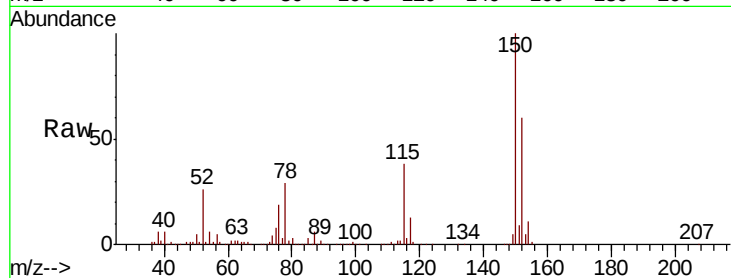
Tgt Ion:152 Resp: 107258

Ion Ratio Lower Upper

152 100

115 61.4 30.5 91.5

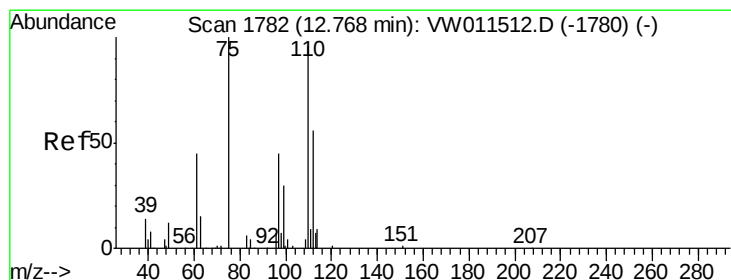
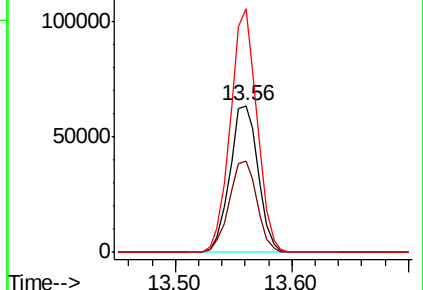
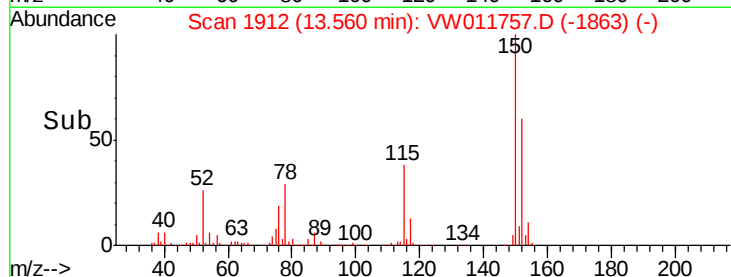
150 156.9 0.0 352.6



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: 61.517 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011757.D

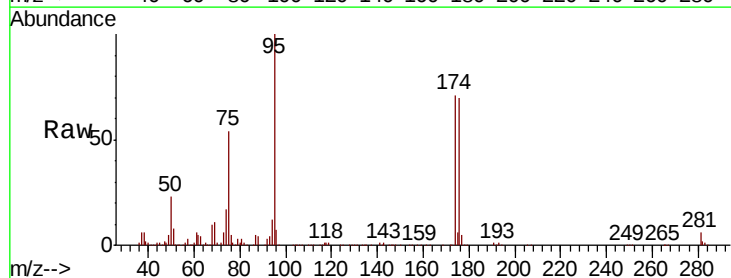
Acq: 07 Aug 2019 17:48

Tgt Ion: 75 Resp: 69817

Ion Ratio Lower Upper

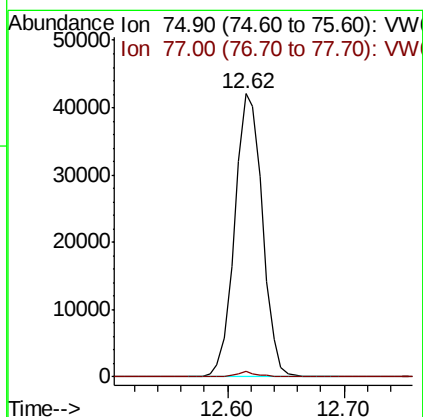
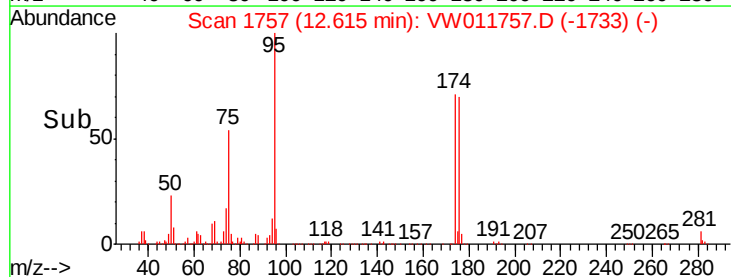
75 100

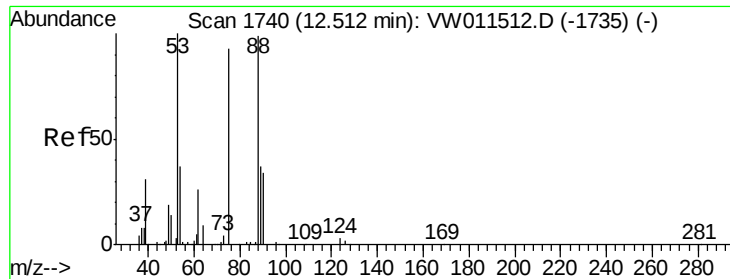
77 1.6 0.0 0.0#



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: 141.777 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011757.D

Acq: 07 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VNJ-239-217-225-230

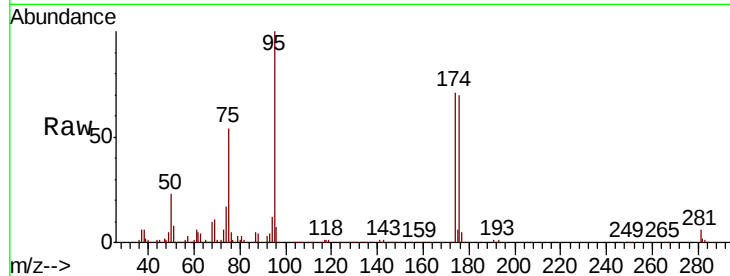
Tgt Ion: 75 Resp: 69817

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

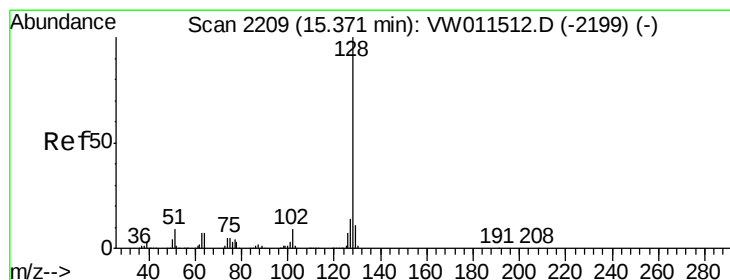
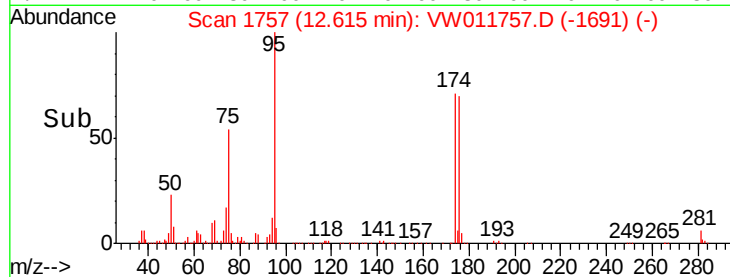
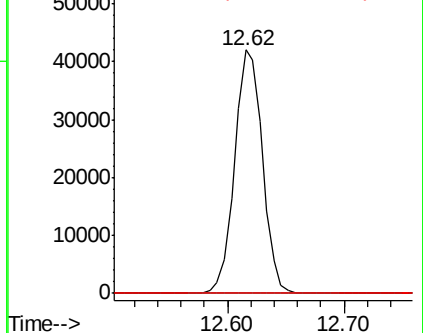
89 0.0 35.3 52.9#



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



#95

Naphthalene

Concen: 2.099 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011757.D

Acq: 07 Aug 2019 17:48

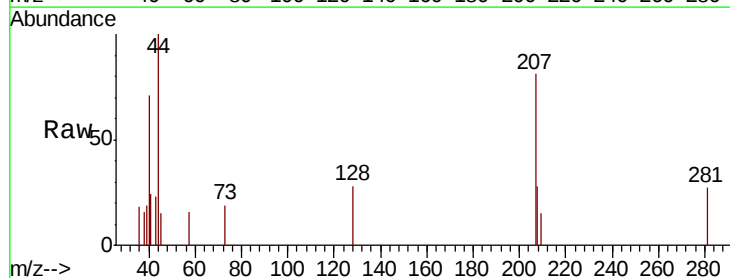
Tgt Ion: 128 Resp: 145

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

