

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062520\
 Data File : VW015731.D
 Acq On : 25 Jun 2020 16:16
 Operator : SY/VA
 Sample : L3114-01
 Misc : 7.99G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-242

Quant Time: Jun 26 01:42:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	149355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	251637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	200975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	58315	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	90631	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
35) Dibromofluoromethane	7.89	113	77419	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	10.33	98	288502	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
62) 4-Bromofluorobenzene	12.62	95	80254	34.98	ug/l	0.00
Spiked Amount			Recovery	=	69.96%	

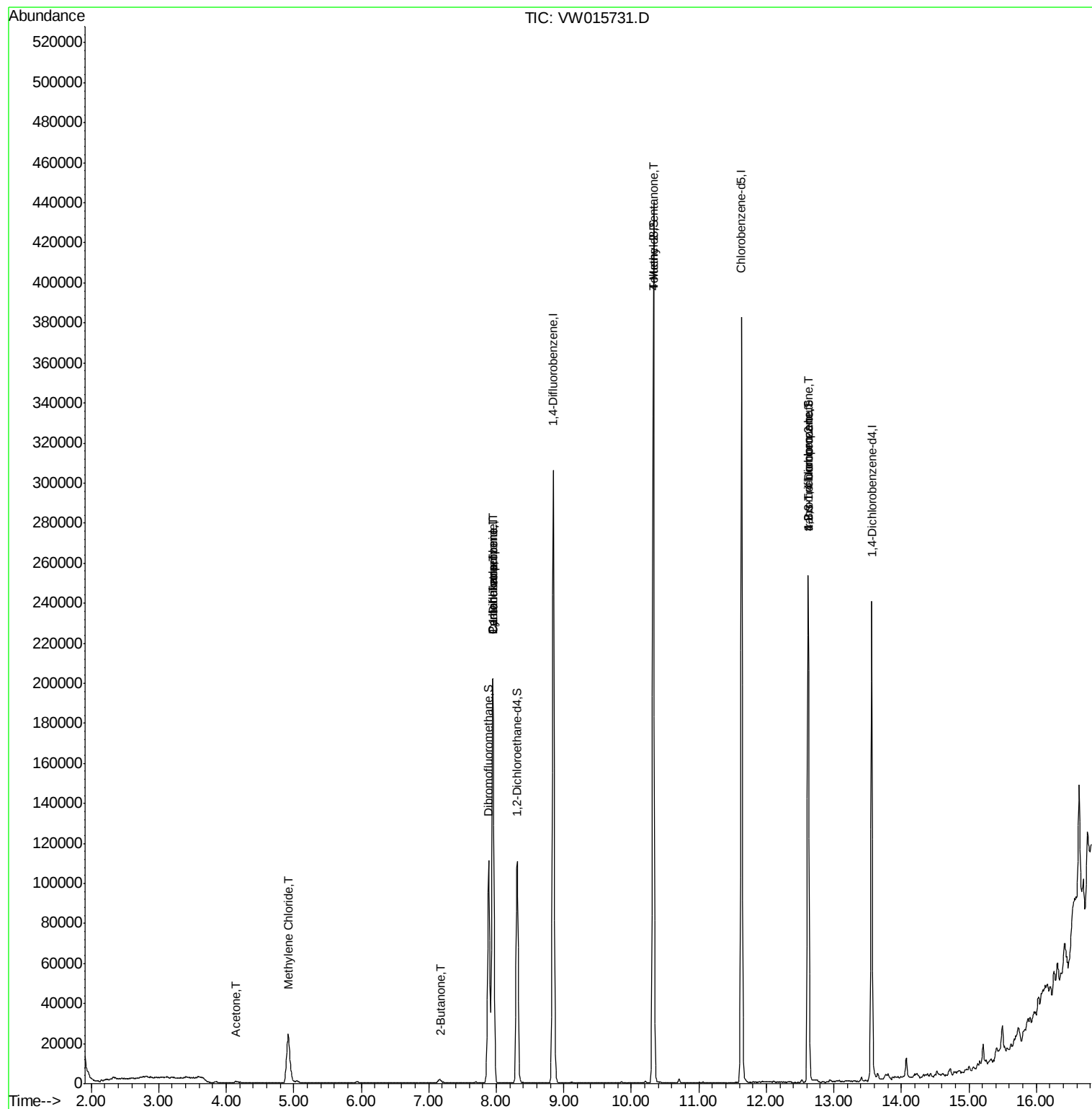
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	126	Below Cal	#	72
16) Acetone	4.14	43	1581	5.005	ug/l	97
18) Methyl Acetate	4.67	43	88	Below Cal	#	52
20) Methylene Chloride	4.92	84	20297	9.497	ug/l	98
25) 2-Butanone	7.18	43	649	1.520	ug/l	96
31) Cyclohexane	7.95	56	3743	1.308	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	12478	4.768	ug/l #	50
38) Carbon Tetrachloride	7.95	117	14957	5.895	ug/l #	18
51) 4-Methyl-2-Pentanone	10.33	43	1557	1.619	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	44199	83.093	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	44199	209.397	ug/l #	8

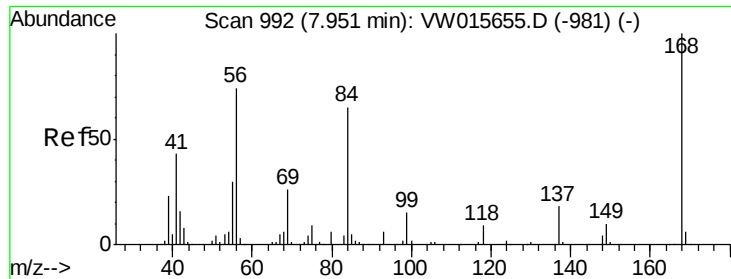
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062520\
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Quant Title : SW846 8260
QLast Update : Tue Jun 23 13:20:19 2020
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: VW015731.D

Acq: 25 Jun 2020 16:16

Instrument :

MSVOA_W

ClientSampleId :

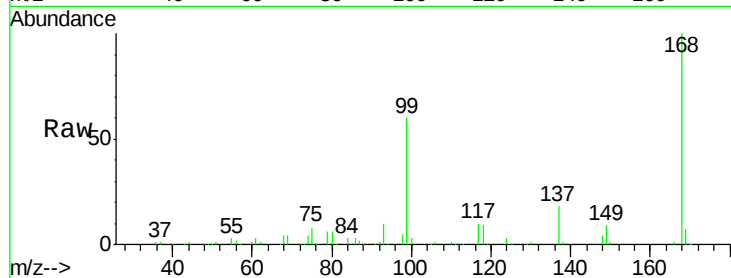
VNJ-242

Tot Ion:168 Resp: 149355

Ion Ratio Lower Upper

168 100

99 60.0 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

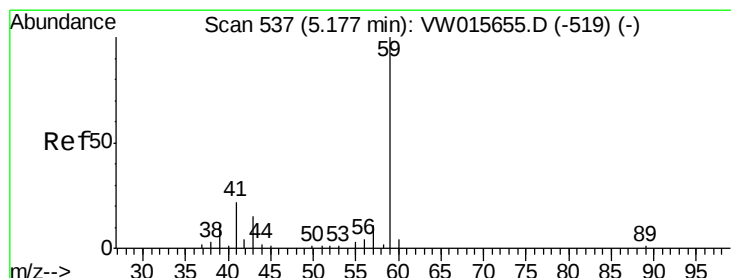
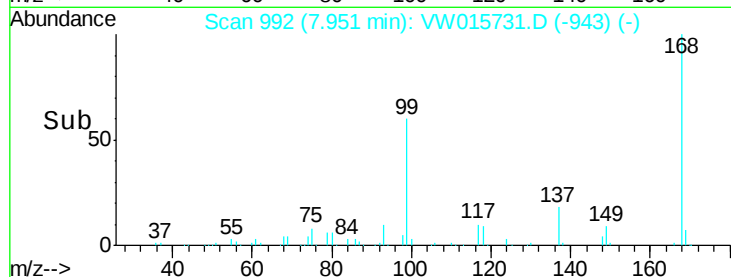
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.03 min

Lab File: VW015731.D

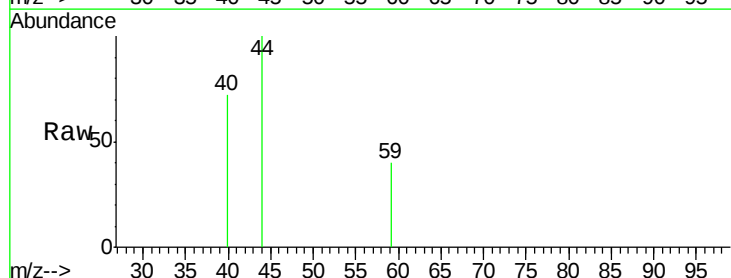
Acq: 25 Jun 2020 16:16

Tgt Ion: 59 Resp: 126

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

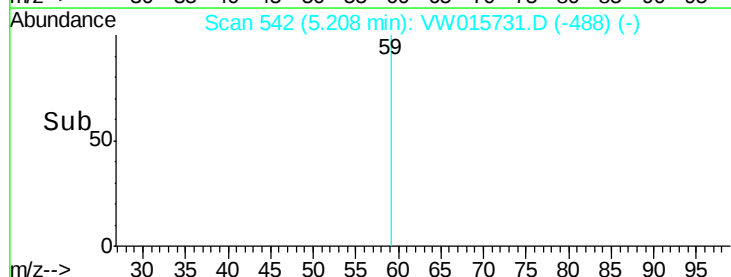
150

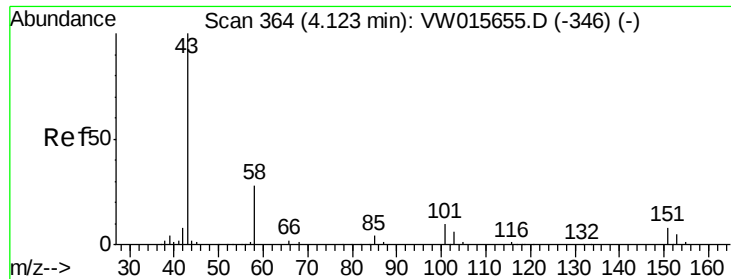
100

50

0

Time-->





#16

Acetone

Concen: 5.005 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW015731.D

Acq: 25 Jun 2020 16:16

Instrument :

MSVOA_W

ClientSampled :

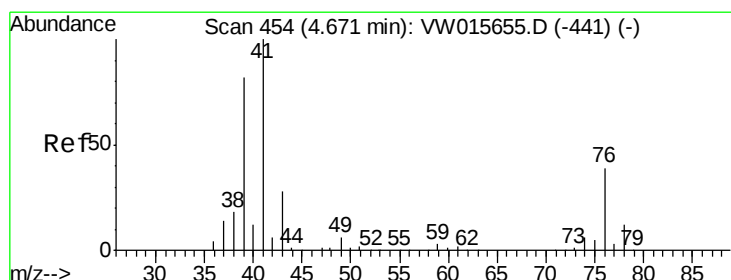
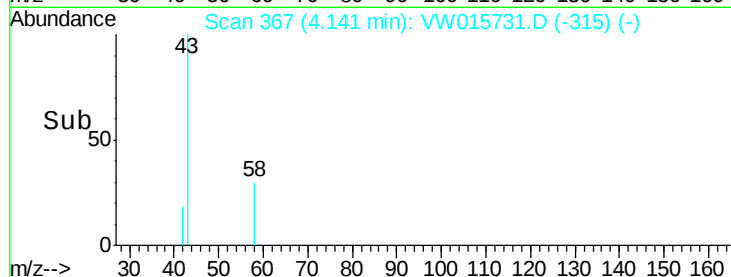
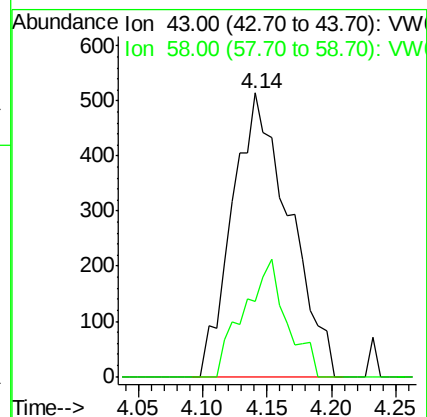
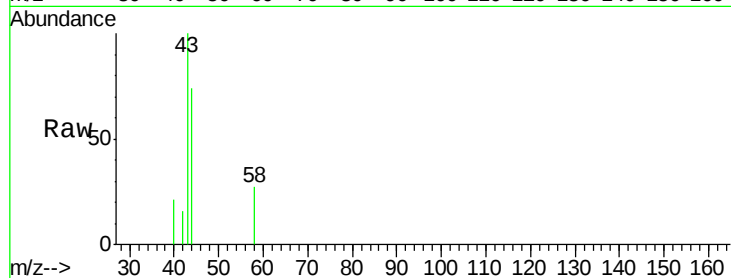
VNJ-242

Tot Ion: 43 Resp: 1581

Ion Ratio Lower Upper

43 100

58 26.7 22.6 33.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015731.D

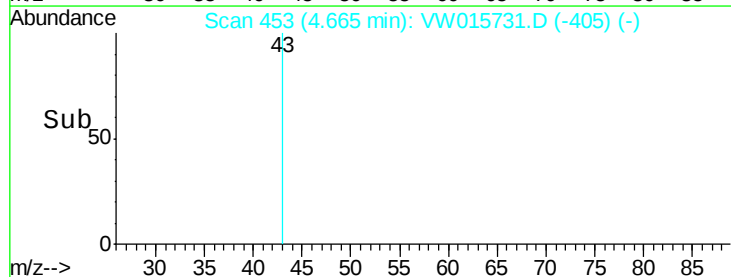
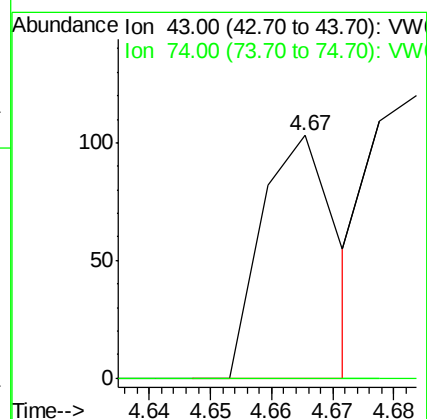
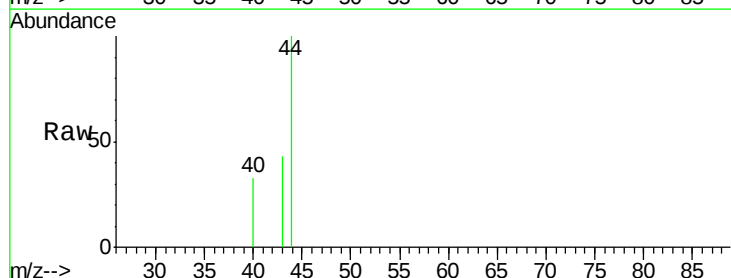
Acq: 25 Jun 2020 16:16

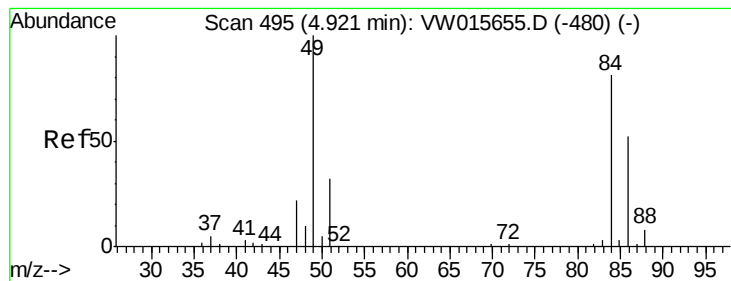
Tgt Ion: 43 Resp: 88

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#





#20

Methvlene Chloride

Concen: 9.497 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW015731.D

Acq: 25 Jun 2020 16:16

Instrument :

MSVOA_W

ClientSampleId :

VNJ-242

Tot Ion: 84 Resp: 20297

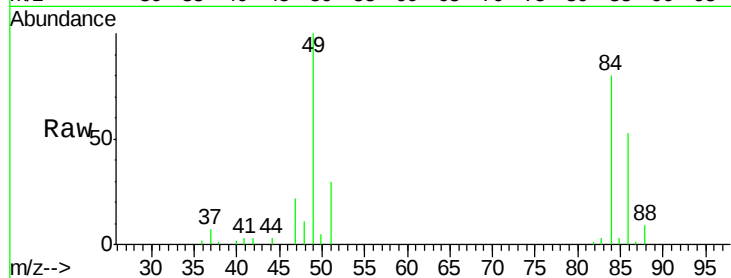
Ion Ratio Lower Upper

84 100

49 125.0 99.3 148.9

51 37.3 31.8 47.6

86 66.4 51.7 77.5

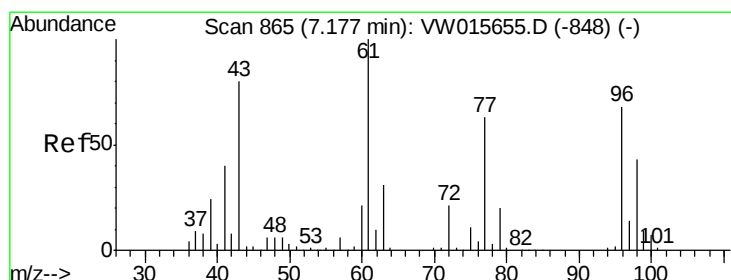
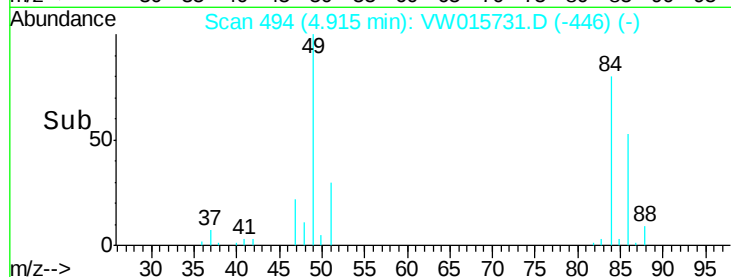
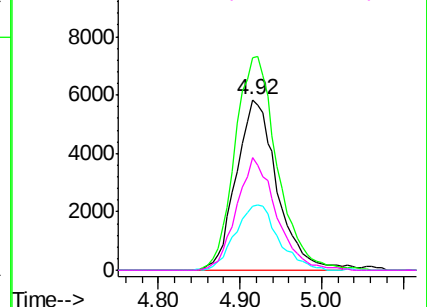


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.520 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015731.D

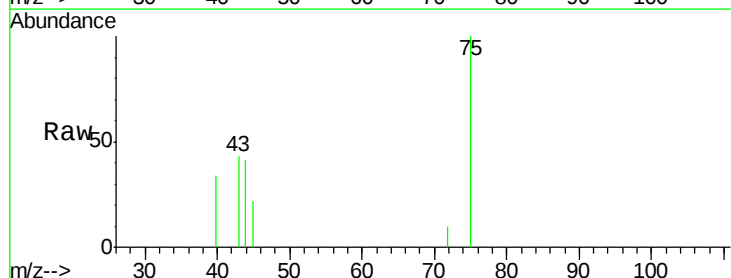
Acq: 25 Jun 2020 16:16

Tgt Ion: 43 Resp: 649

Ion Ratio Lower Upper

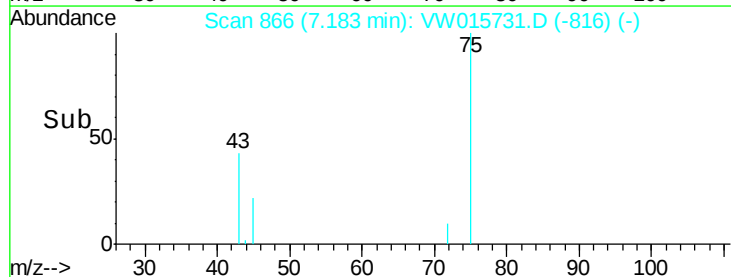
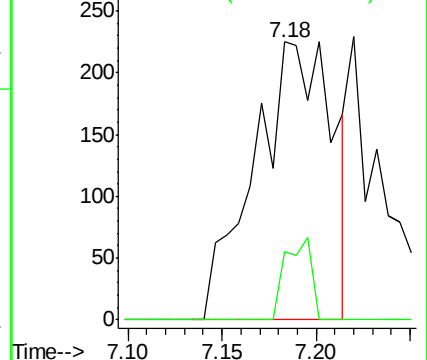
43 100

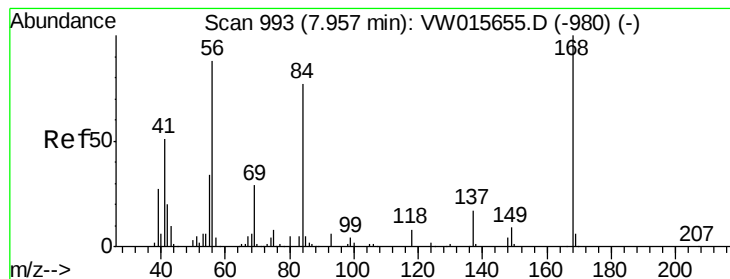
72 24.4 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.308 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015731.D

Acq: 25 Jun 2020 16:16

Instrument :

MSVOA_W

ClientSampled :

VNJ-242

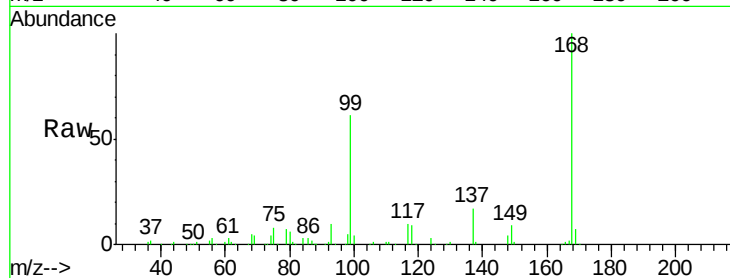
Tot Ion: 56 Resp: 3743

Ion Ratio Lower Upper

56 100

69 151.4 26.2 39.4#

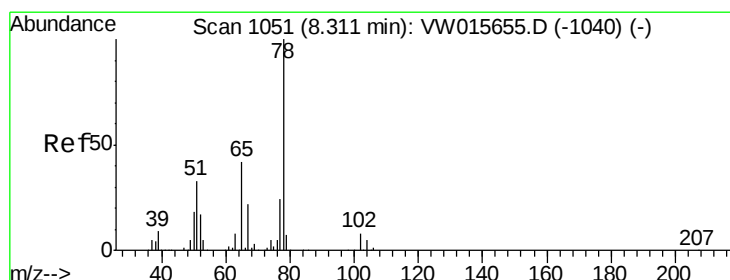
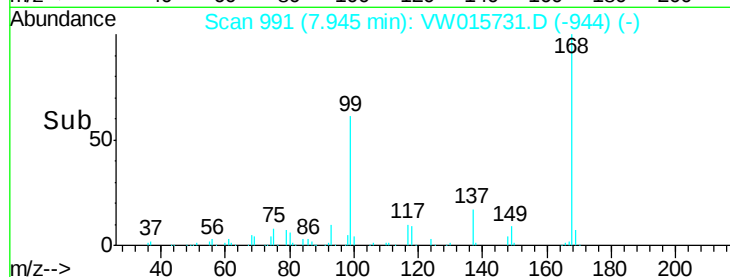
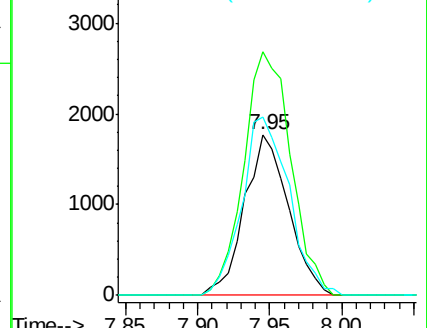
84 111.2 70.4 105.6#



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: 54.539 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015731.D

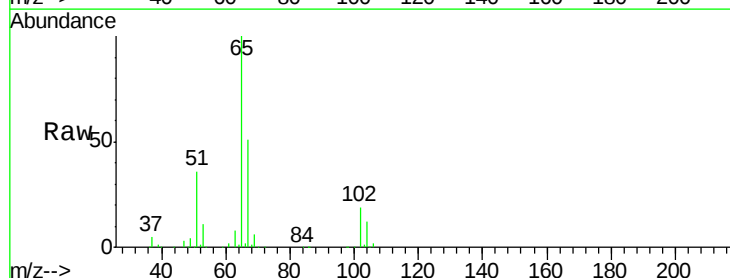
Acq: 25 Jun 2020 16:16

Tgt Ion: 65 Resp: 90631

Ion Ratio Lower Upper

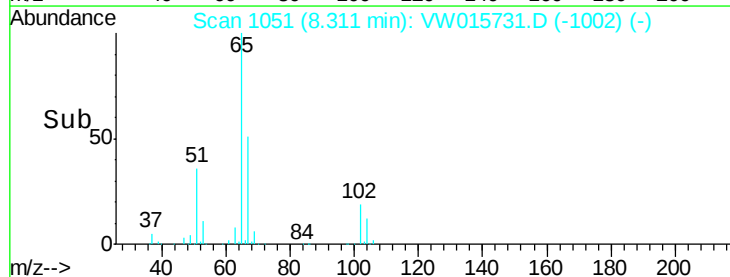
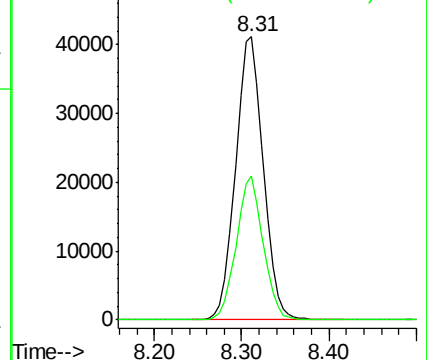
65 100

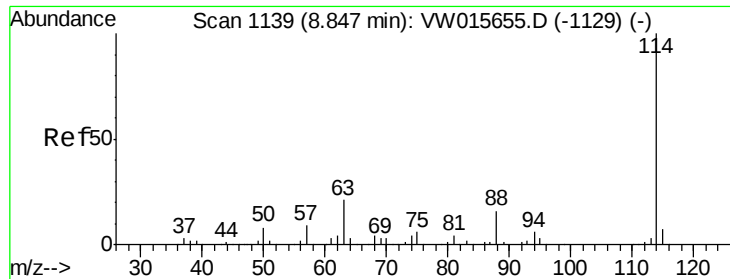
67 49.2 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

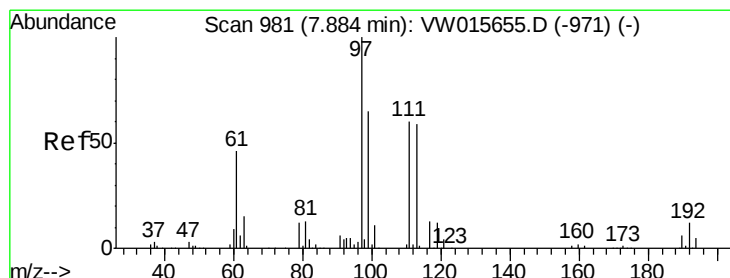
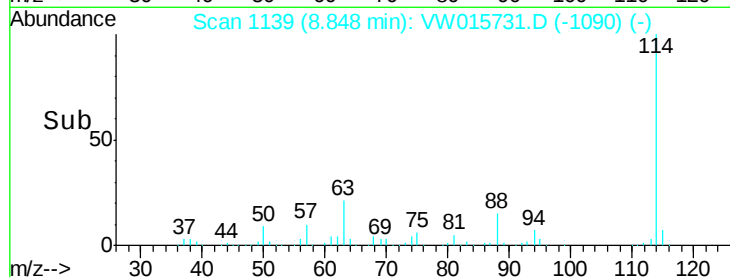
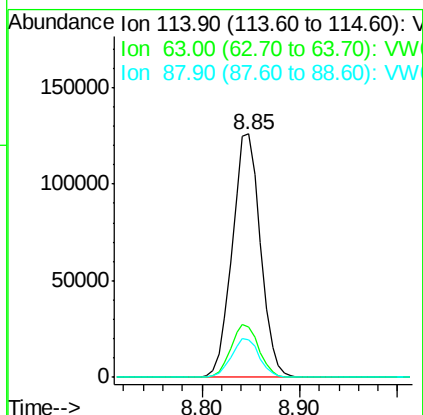
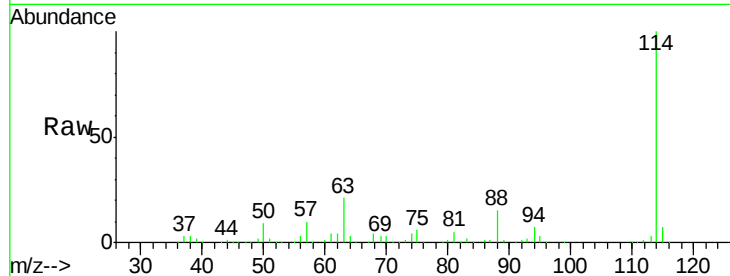




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW015731.D
 Acq: 25 Jun 2020 16:16

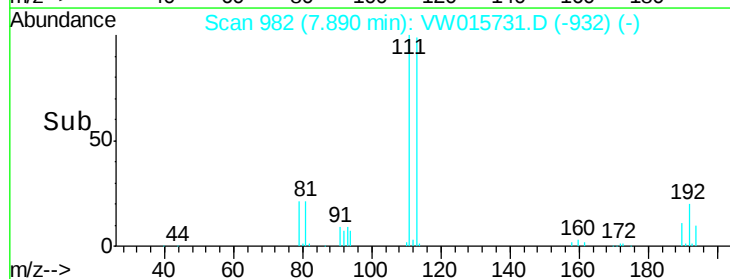
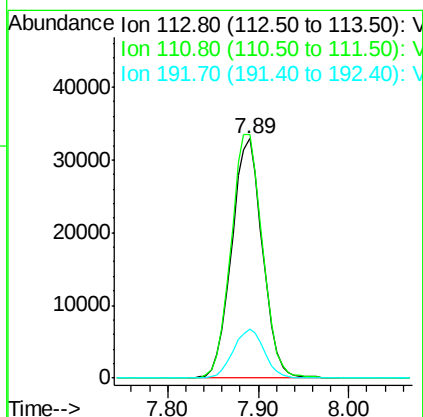
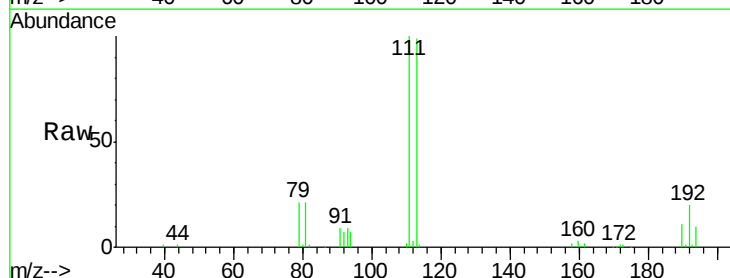
Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-242

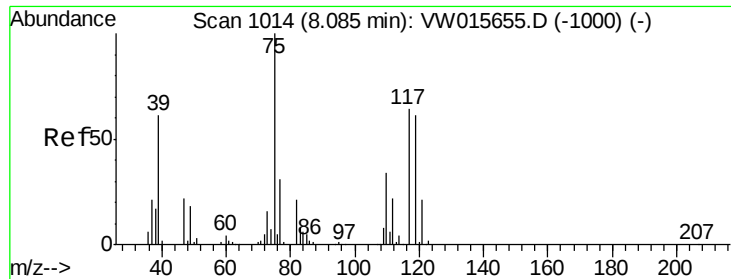
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.4
88	15.5	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 48.910 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW015731.D
 Acq: 25 Jun 2020 16:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.3	123.5
192	20.5	16.4	24.6

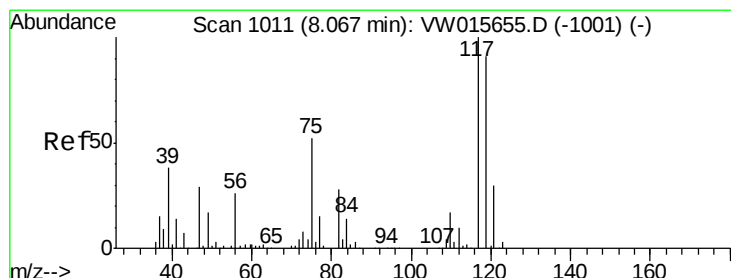
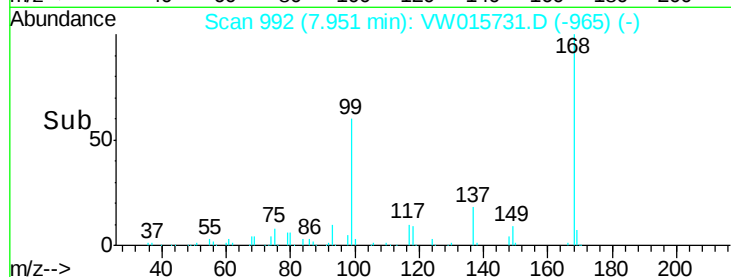
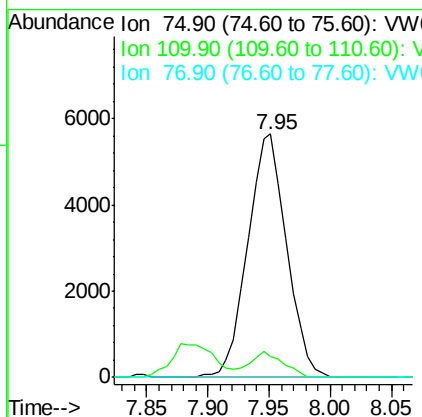
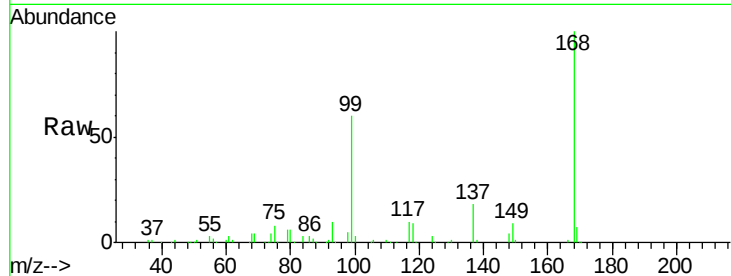




#36
 1,1-Dichloropropene
 Concen: 4.768 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015731.D
 Acq: 25 Jun 2020 16:16

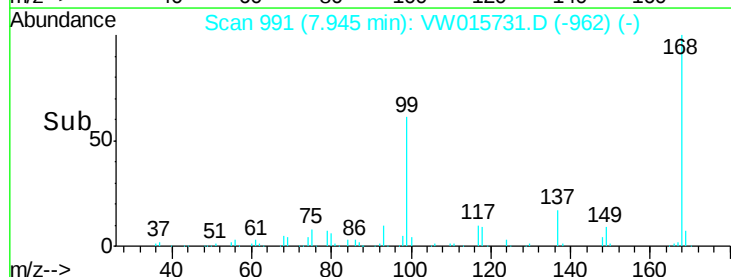
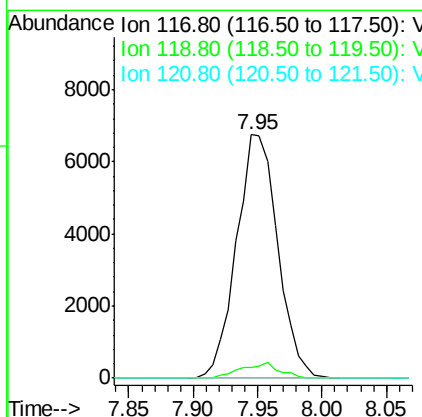
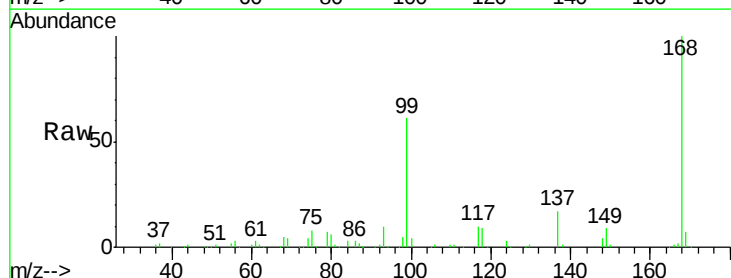
Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-242

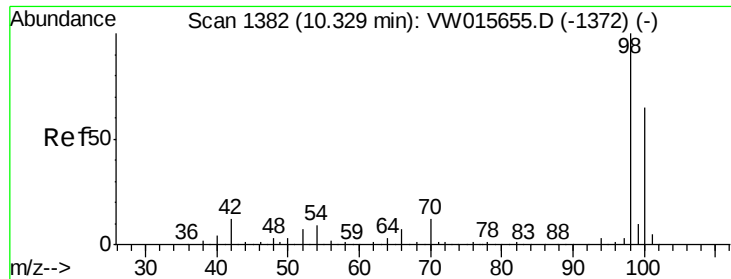
Tot Ion: 75 Resp: 12478
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.0 51.0#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.895 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW015731.D
 Acq: 25 Jun 2020 16:16

Tgt Ion: 117 Resp: 14957
 Ion Ratio Lower Upper
 117 100
 119 4.6 73.2 109.8#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 46.314 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW015731.D

Acq: 25 Jun 2020 16:16

Instrument :

MSVOA_W

ClientSampleId :

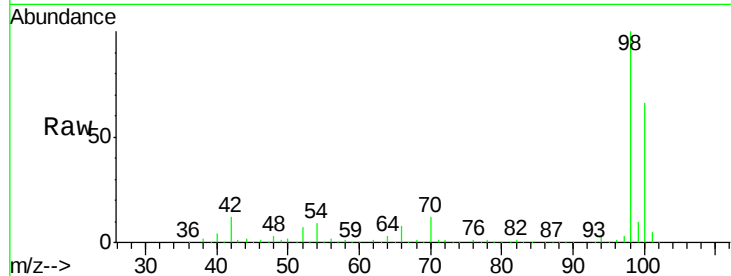
VNJ-242

Tot Ion: 98 Resp: 288502

Ion Ratio Lower Upper

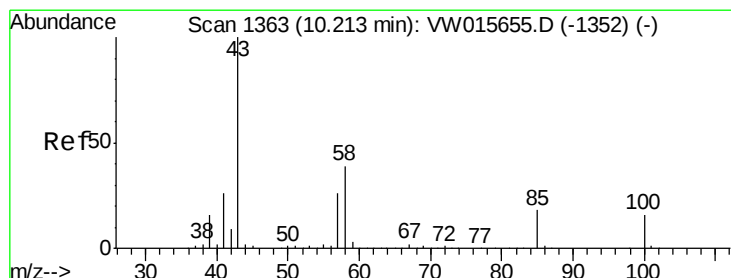
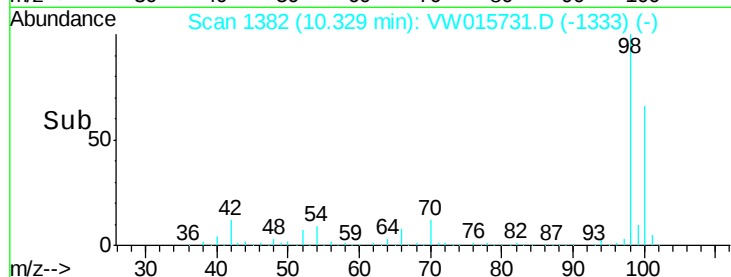
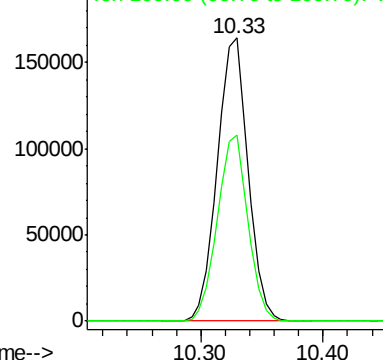
98 100

100 65.4 52.8 79.2



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: 1.619 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW015731.D

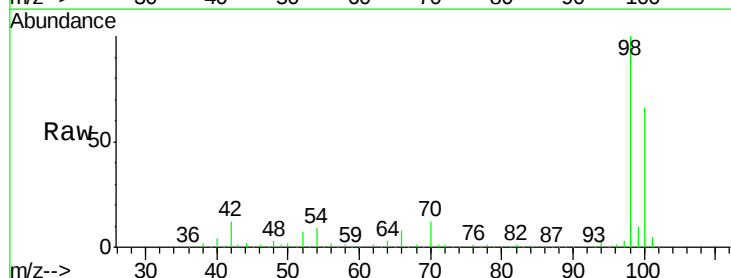
Acq: 25 Jun 2020 16:16

Tgt Ion: 43 Resp: 1557

Ion Ratio Lower Upper

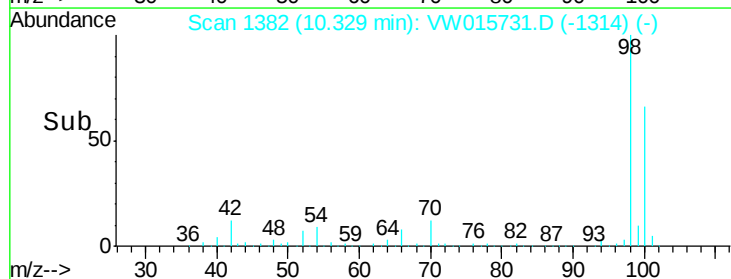
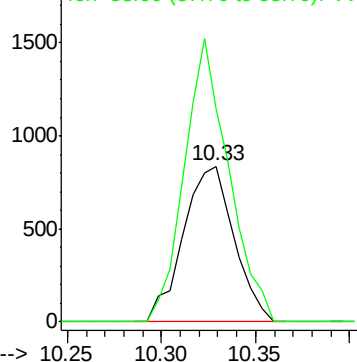
43 100

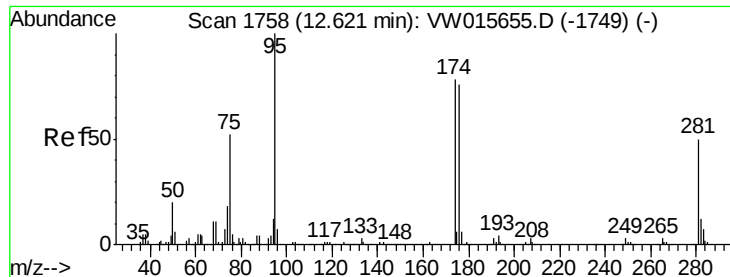
58 159.2 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 34.983 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015731.D

Acq: 25 Jun 2020 16:16

Instrument :

MSVOA_W

ClientSampleId :

VNJ-242

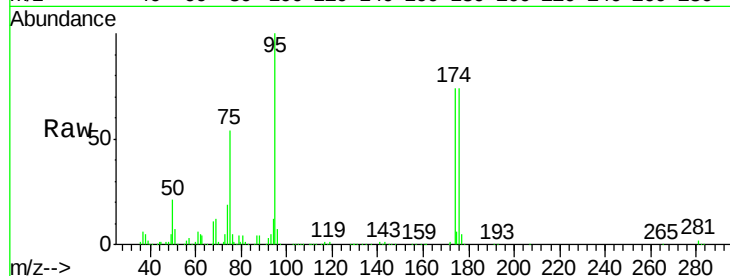
Tot Ion: 95 Resp: 80254

Ion Ratio Lower Upper

95 100

174 78.1 0.0 157.0

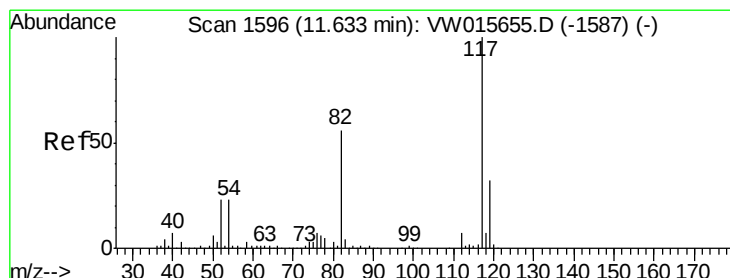
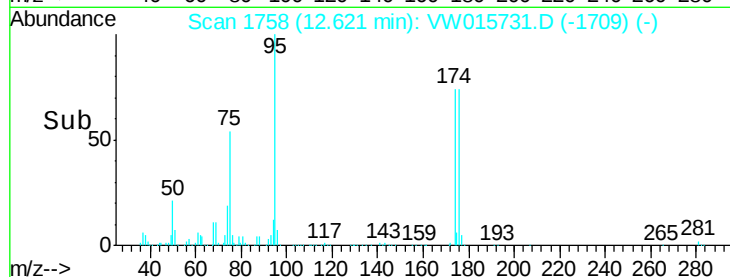
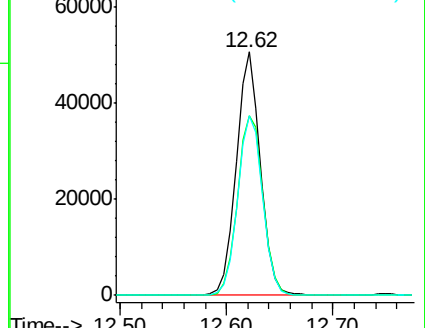
176 76.0 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW015731.D

Acq: 25 Jun 2020 16:16

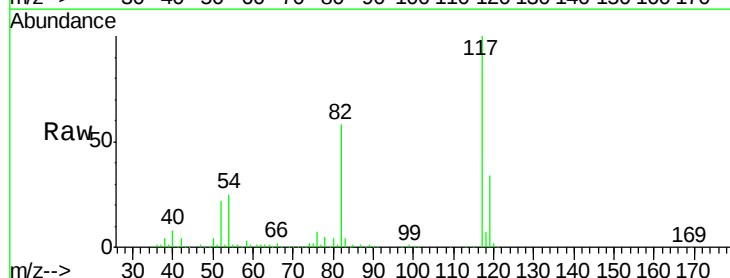
Tgt Ion: 117 Resp: 200975

Ion Ratio Lower Upper

117 100

82 57.9 45.1 67.7

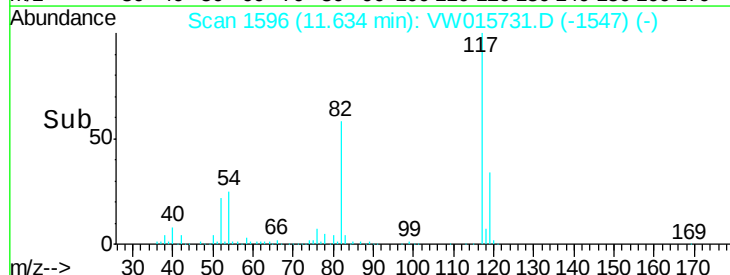
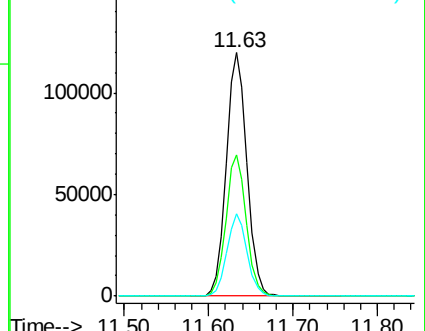
119 34.0 25.8 38.8

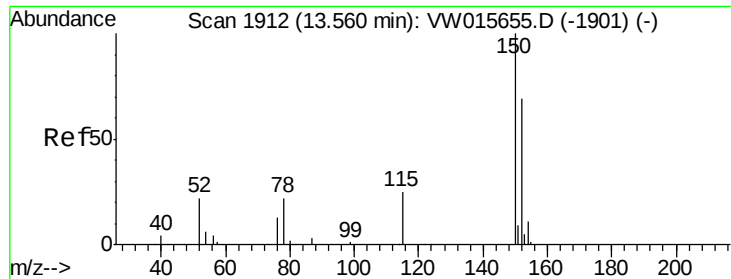


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): 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: VW015731.D

Acq: 25 Jun 2020 16:16

Instrument :

MSVOA_W

ClientSampleId :

VNJ-242

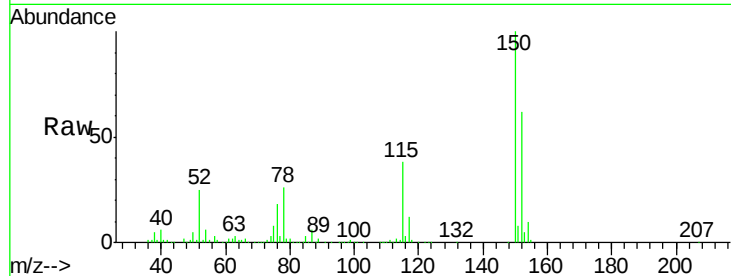
Tot Ion:152 Resp: 58315

Ion Ratio Lower Upper

152 100

115 60.6 30.1 90.5

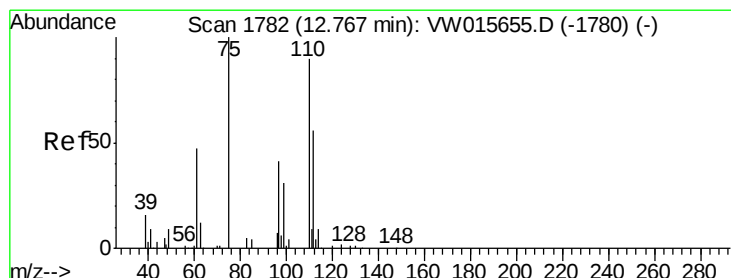
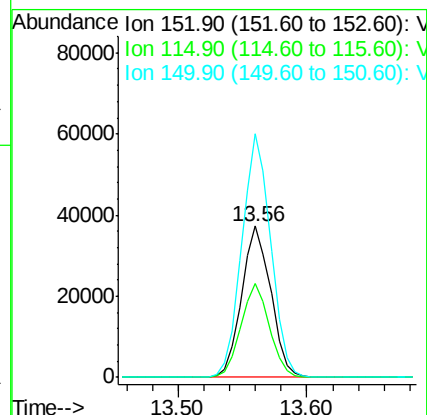
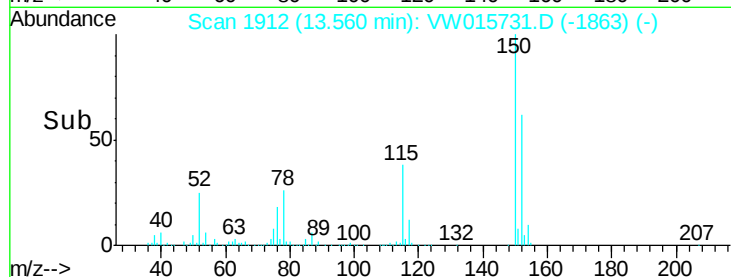
150 159.2 0.0 345.6



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: 83.093 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015731.D

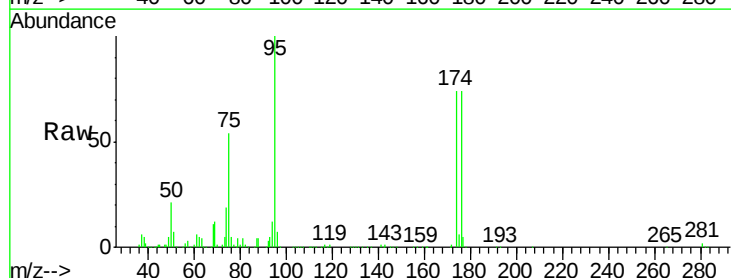
Acq: 25 Jun 2020 16:16

Tgt Ion: 75 Resp: 44199

Ion Ratio Lower Upper

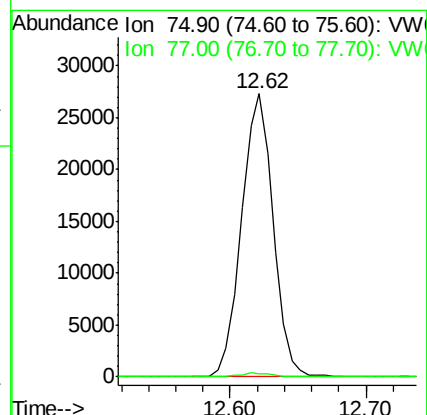
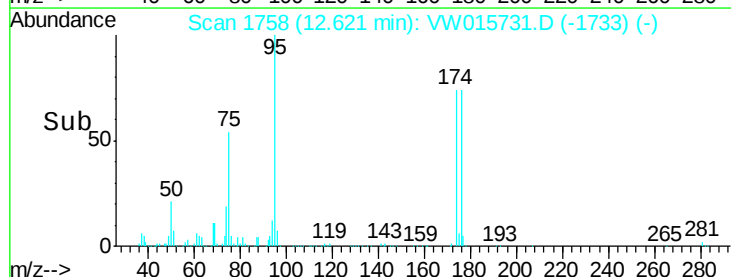
75 100

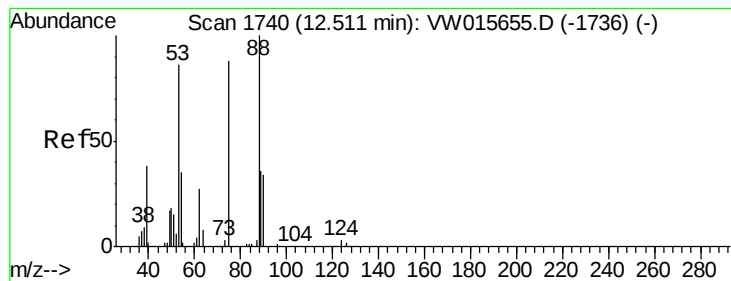
77 1.4 179.1 537.1#



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: 209.397 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015731.D

Acq: 25 Jun 2020 16:16

Instrument :

MSVOA_W

ClientSampleId :

VNJ-242

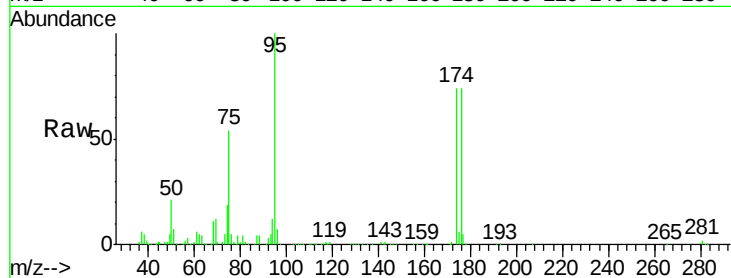
Tot Ion: 75 Resp: 44199

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.0 36.6 55.0#



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

