

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013066.D
 Acq On : 17 Sep 2019 03:38
 Operator : SY/VA
 Sample : K4668-04
 Misc : 6.03G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-091219

Quant Time: Sep 17 07:28:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	323685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	484978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	438071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	180317	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	169290	56.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.26%	
35) Dibromofluoromethane	7.88	113	140133	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.32	98	600827	58.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.70%	
62) 4-Bromofluorobenzene	12.62	95	197094	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

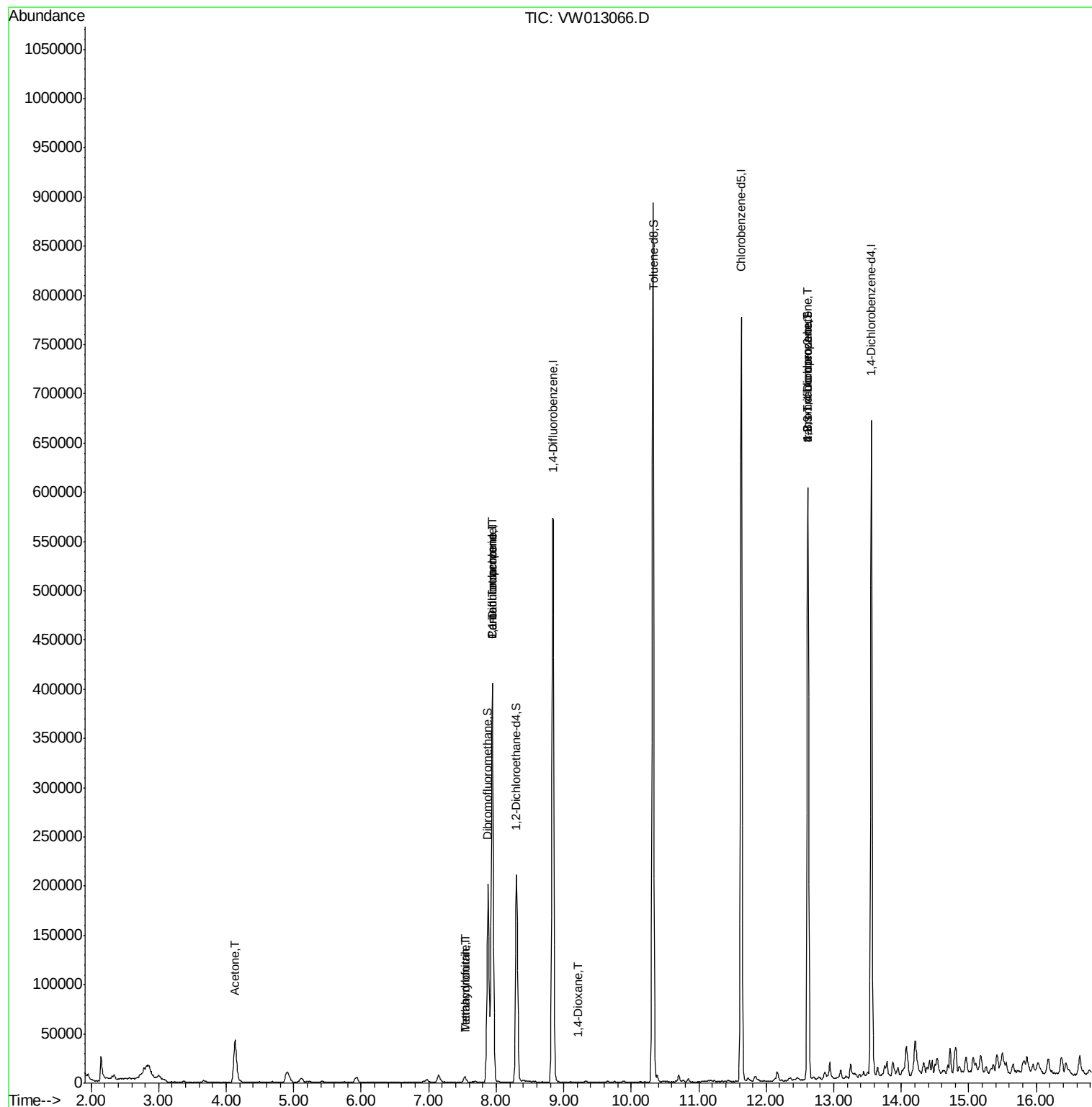
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25	Below Cal	#	44
3) Chloromethane	2.20	50	327	Below Cal	#	41
11) Tert butyl alcohol	5.21	59	492	Below Cal	#	72
13) Acrolein	3.92	56	49	Below Cal	#	15
16) Acetone	4.14	43	88421	126.666	ug/l	99
20) Methylene Chloride	4.91	84	7691	Below Cal		97
26) 2,2-Dichloropropane	7.15	77	537	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	5459	10.079	ug/l	97
31) Cyclohexane	7.94	56	6628	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	23744	6.127	ug/l	51
38) Carbon Tetrachloride	7.94	117	29910	7.531	ug/l	14
41) Methacrylonitrile	7.54	41	3214	2.373	ug/l	48
49) 1,4-Dioxane	9.20	88	45	1.950	ug/l	1
76) 1,2,3-Trichloropropane	12.62	75	99856	63.223	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	99856	143.419	ug/l	7

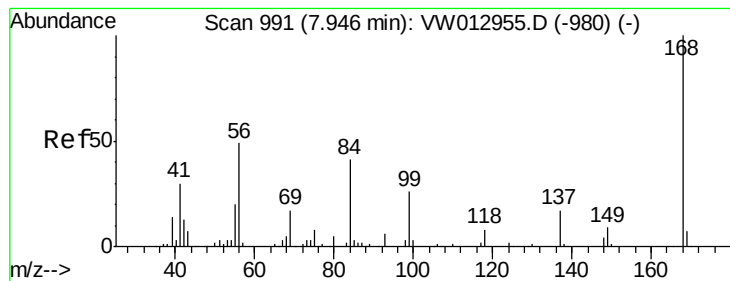
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
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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: VW013066.D

Acq: 17 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampleId :

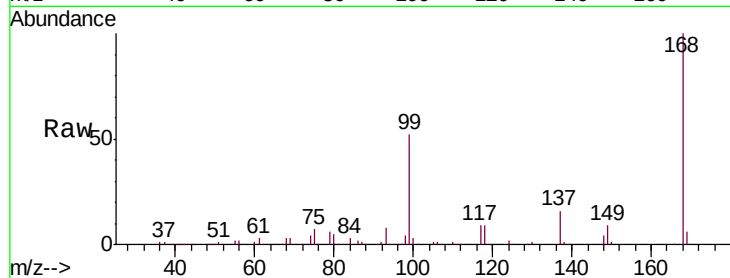
SU-02-091219

Tgt Ion:168 Resp: 323685

Ion Ratio Lower Upper

168 100

99 52.1 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

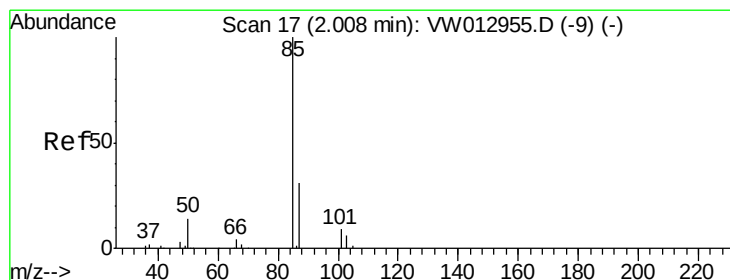
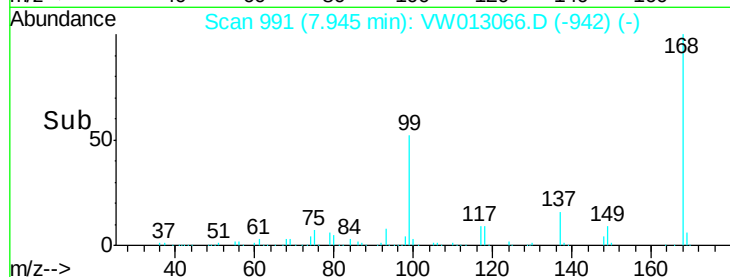
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013066.D

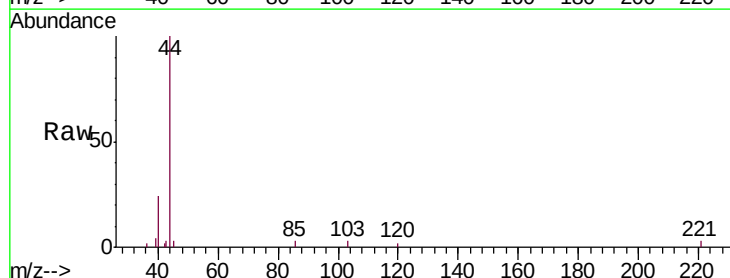
Acq: 17 Sep 2019 03:38

Tgt Ion: 85 Resp: 25

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

80

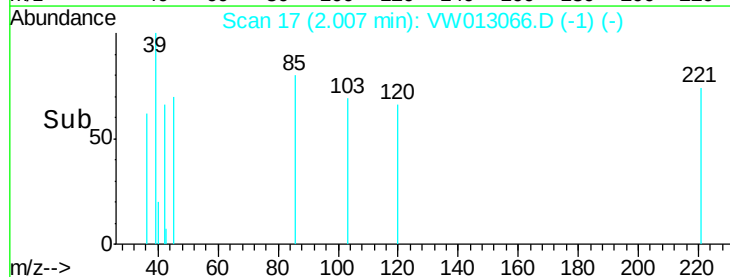
60

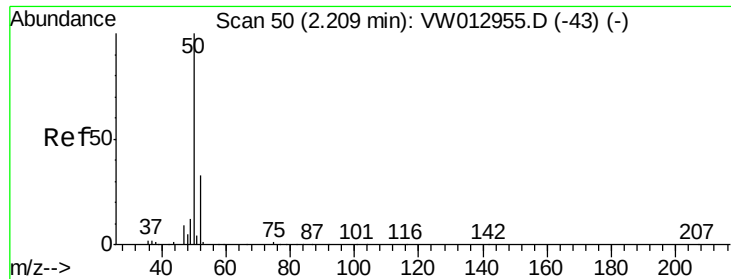
40

20

0

Time--> 1.99 2.00 2.01 2.02





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013066.D

Acq: 17 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampleId :

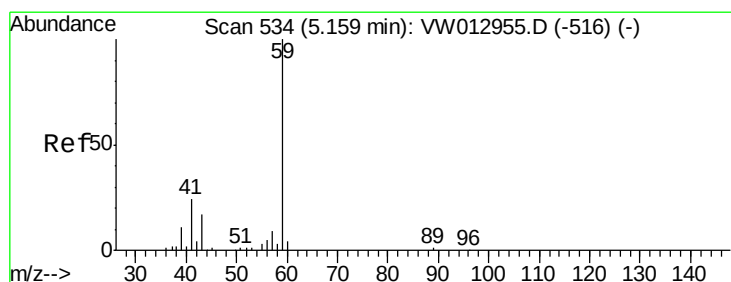
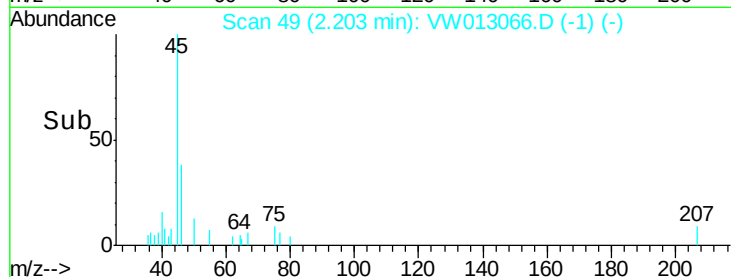
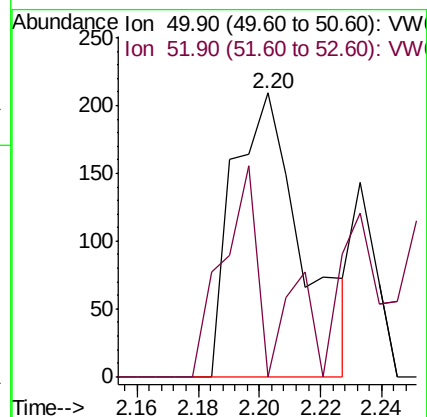
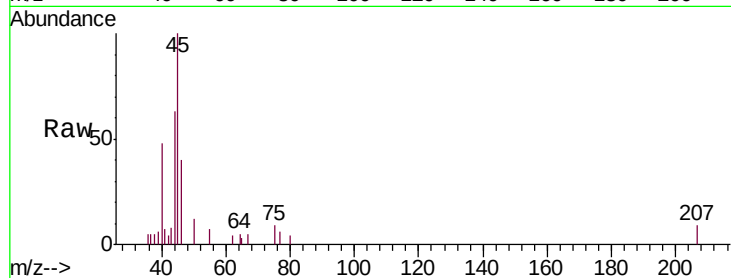
SU-02-091219

Tgt Ion: 50 Resp: 327

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.05 min

Lab File: VW013066.D

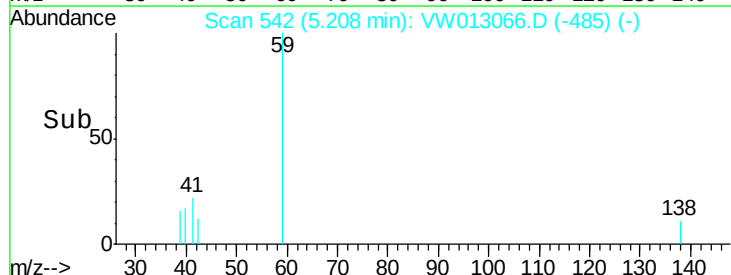
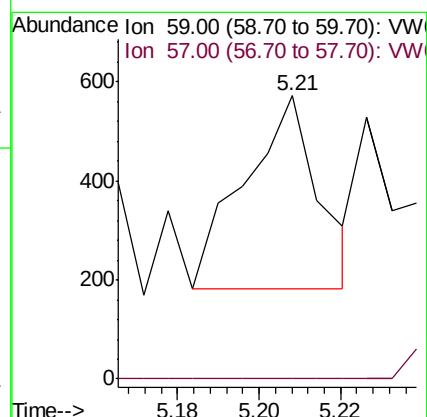
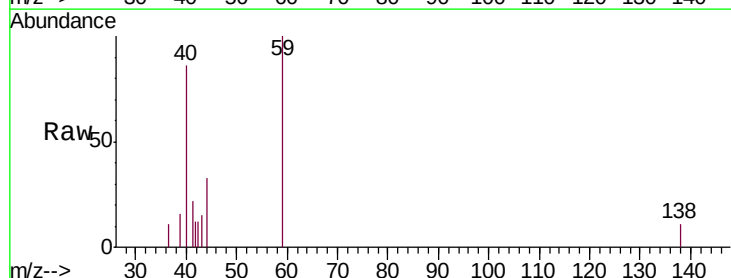
Acq: 17 Sep 2019 03:38

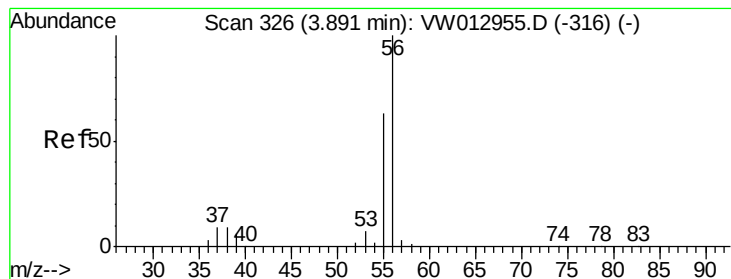
Tgt Ion: 59 Resp: 492

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.92 min Scan# 330

Delta R.T. 0.02 min

Lab File: VW013066.D

Acq: 17 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampleId :

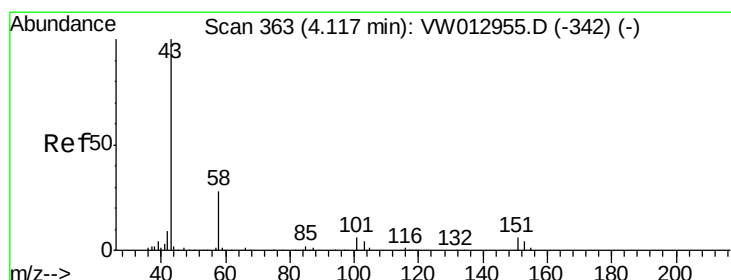
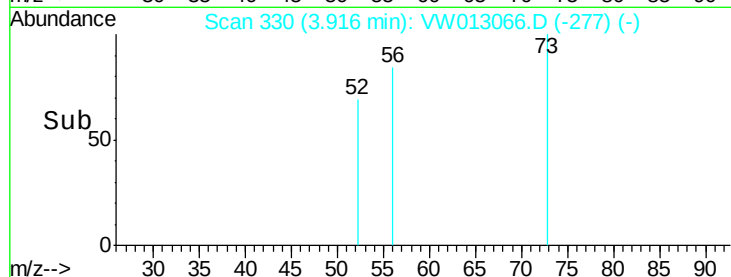
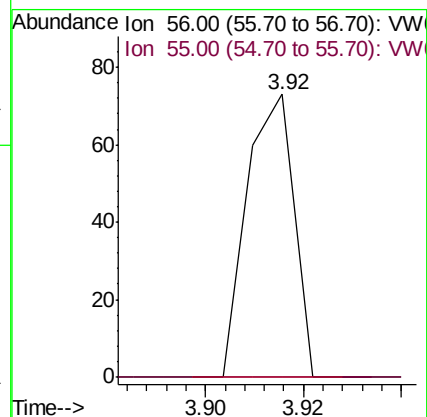
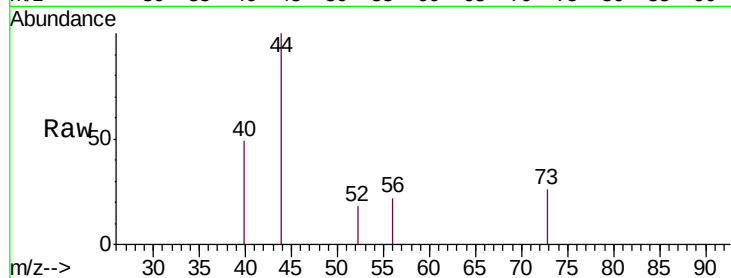
SU-02-091219

Tgt Ion: 56 Resp: 49

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: 126.666 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013066.D

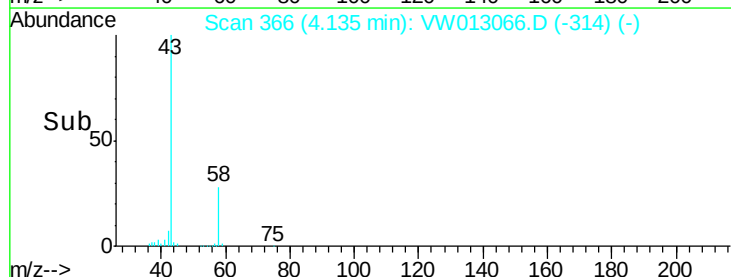
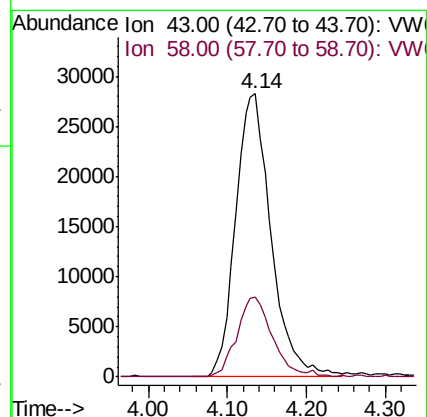
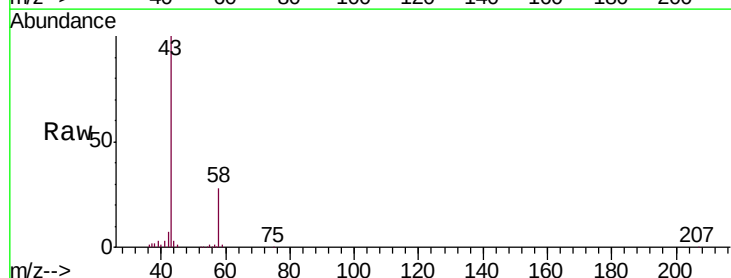
Acq: 17 Sep 2019 03:38

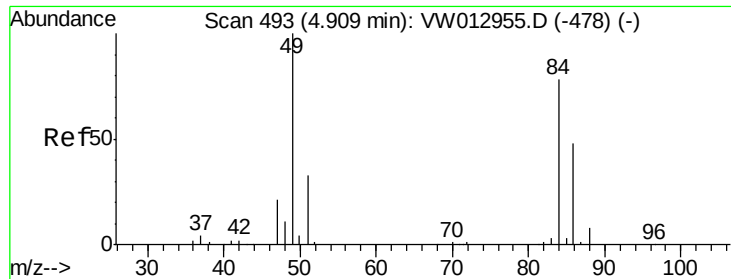
Tgt Ion: 43 Resp: 88421

Ion Ratio Lower Upper

43 100

58 28.4 22.3 33.5

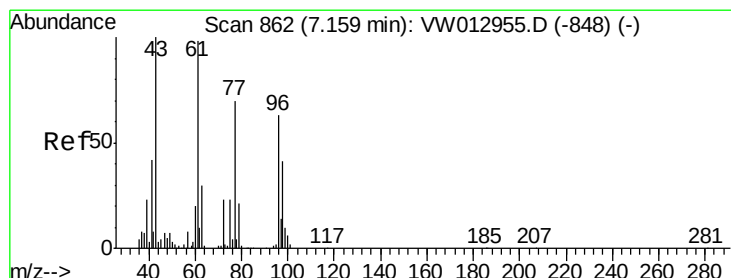
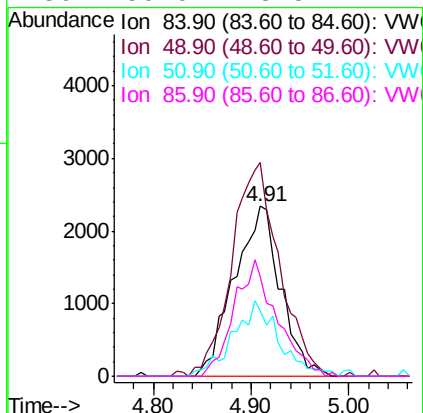
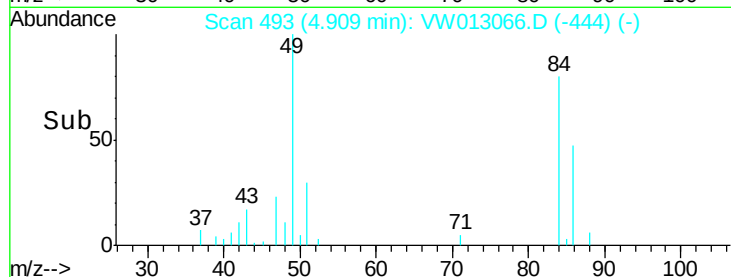
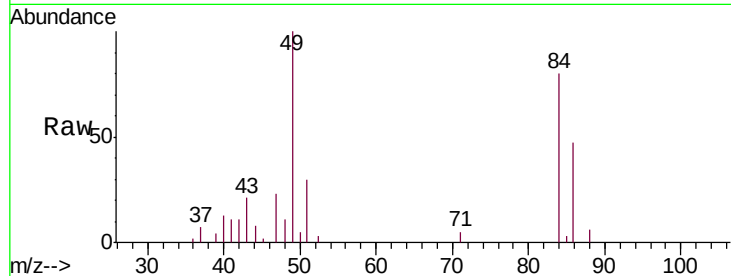




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013066.D
Acq: 17 Sep 2019 03:38

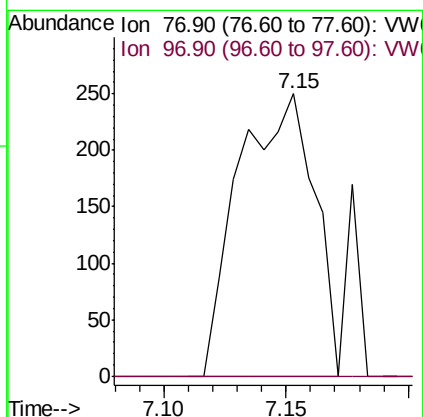
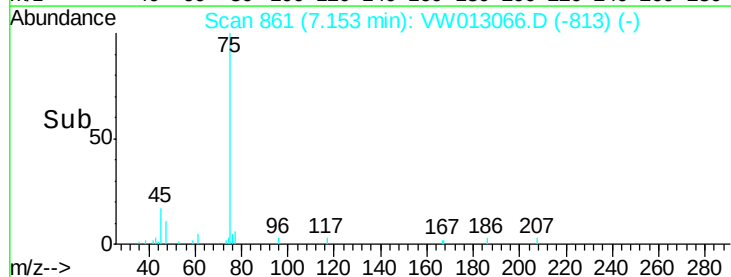
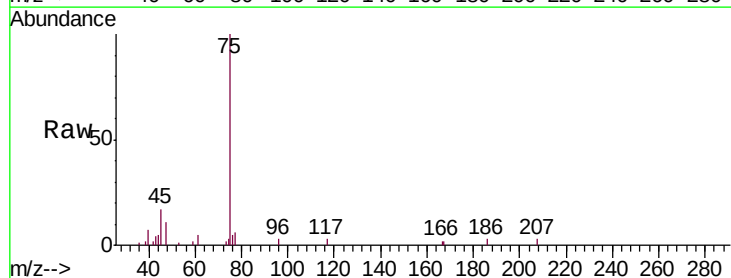
Instrument :
MSVOA_W
ClientSampleId :
SU-02-091219

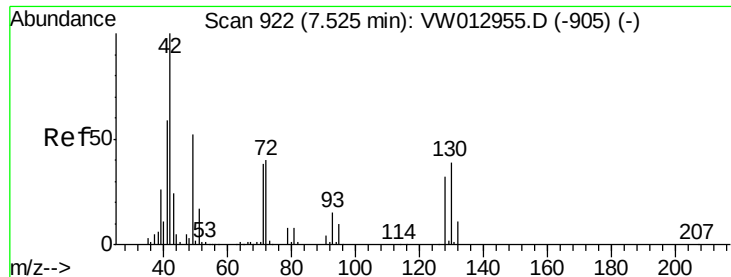
Tgt Ion:	84	Resp:	7691
Ion	Ratio	Lower	Upper
84	100		
49	125.6	102.0	153.0
51	38.1	34.0	51.0
86	59.0	48.5	72.7



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013066.D
Acq: 17 Sep 2019 03:38

Tgt Ion:	77	Resp:	537
Ion	Ratio	Lower	Upper
77	100		
97	0.0	10.7	32.1#

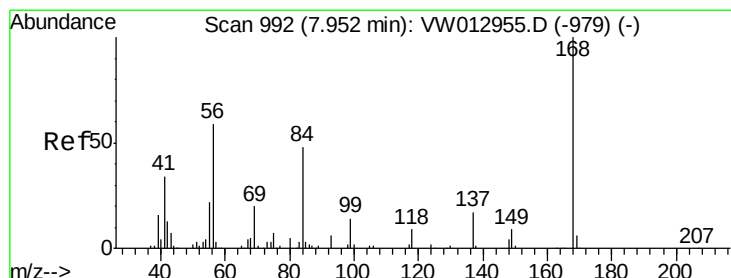
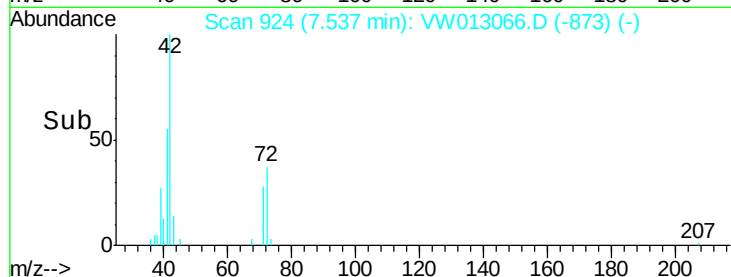
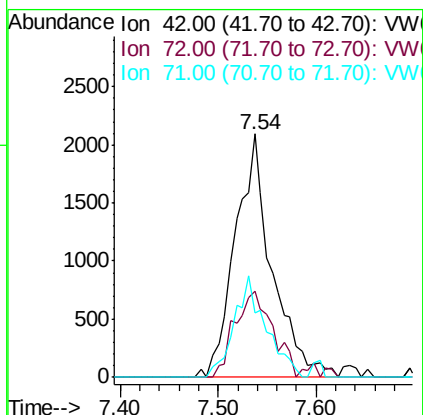
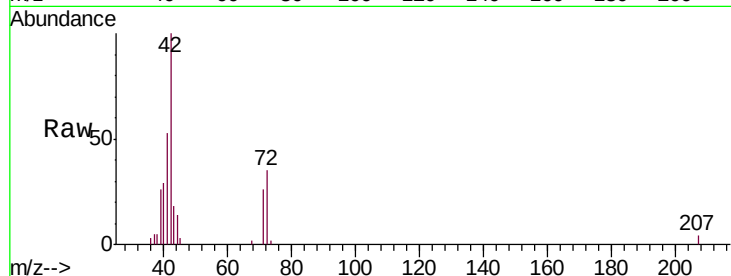




#29
Tetrahydrofuran
Concen: 10.079 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013066.D
Acq: 17 Sep 2019 03:38

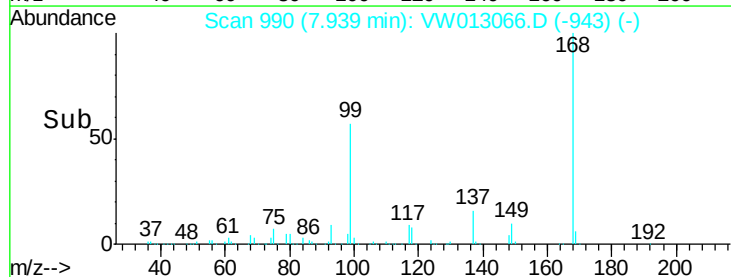
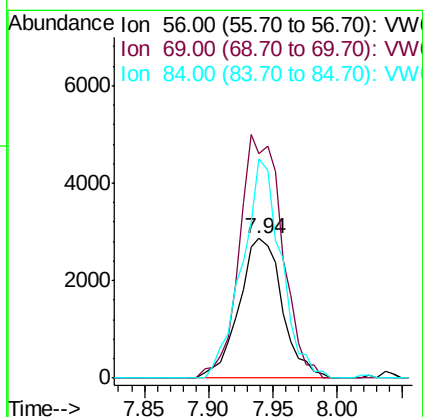
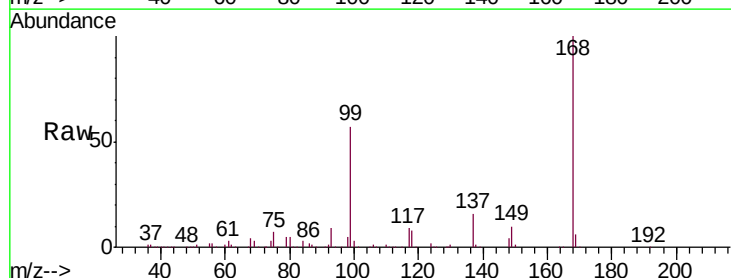
Instrument :
MSVOA_W
ClientSampled :
SU-02-091219

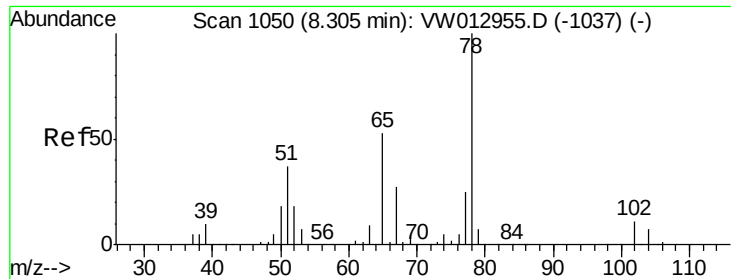
Tgt Ion: 42 Resp: 5459
Ion Ratio Lower Upper
42 100
72 37.2 31.4 47.0
71 35.9 29.8 44.8



#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013066.D
Acq: 17 Sep 2019 03:38

Tgt Ion: 56 Resp: 6628
Ion Ratio Lower Upper
56 100
69 160.9 27.0 40.6#
84 156.9 66.2 99.2#

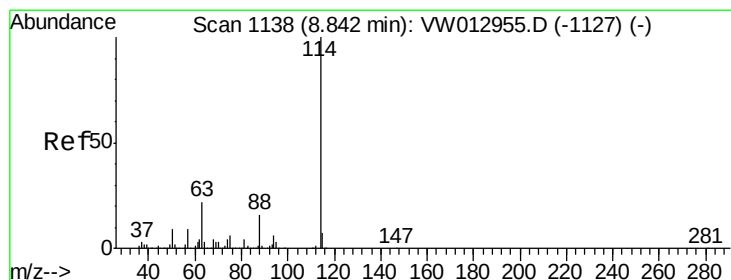
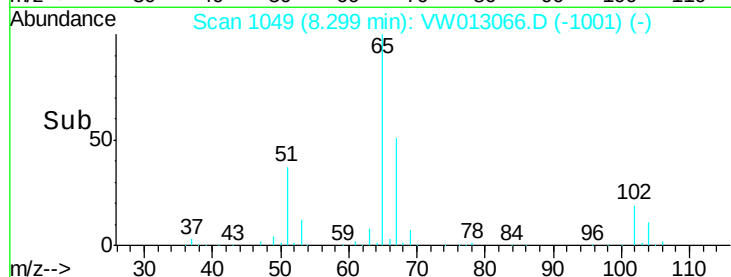
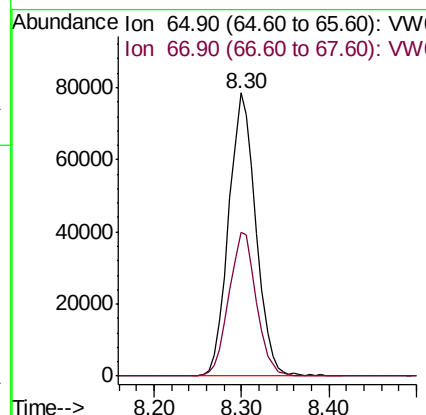
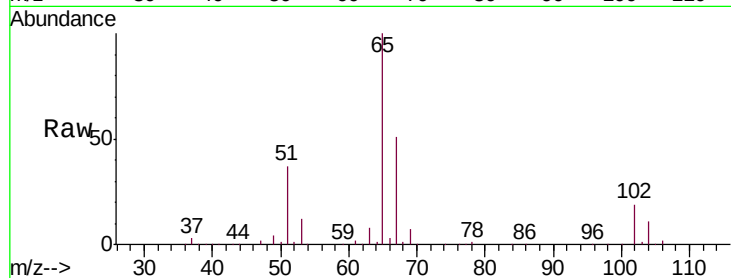




#33
 1,2-Dichloroethane-d4
 Concen: 56.629 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013066.D
 Acq: 17 Sep 2019 03:38

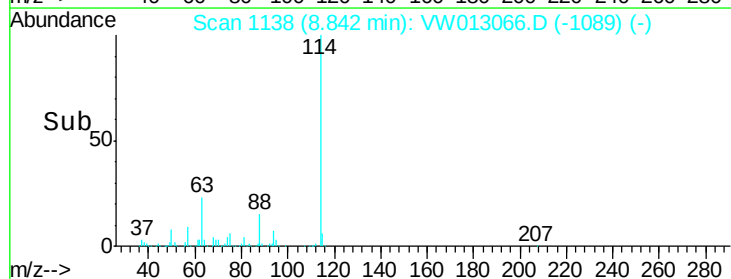
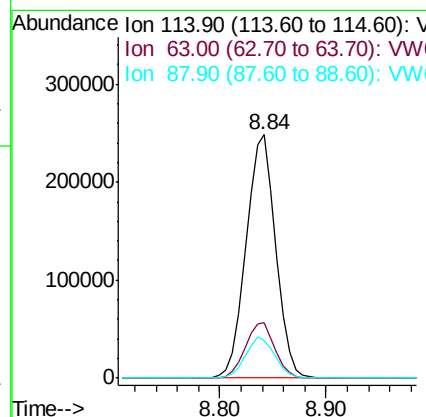
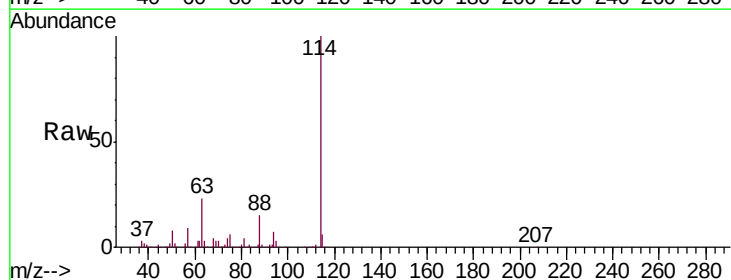
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-091219

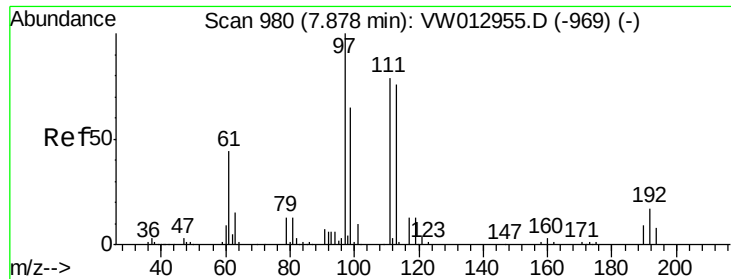
Tgt Ion: 65 Resp: 169290
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013066.D
 Acq: 17 Sep 2019 03:38

Tgt Ion: 114 Resp: 484978
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.4
 88 15.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.251 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013066.D

Acq: 17 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampleId :

SU-02-091219

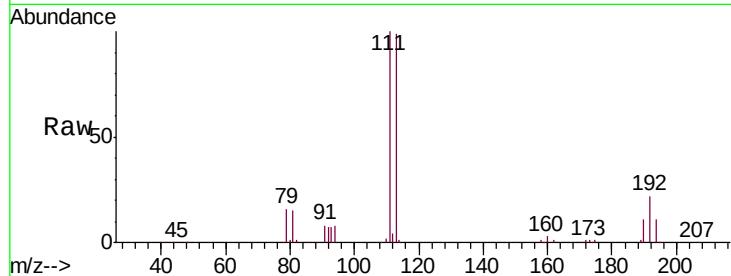
Tgt Ion:113 Resp: 140133

Ion Ratio Lower Upper

113 100

111 101.9 82.8 124.2

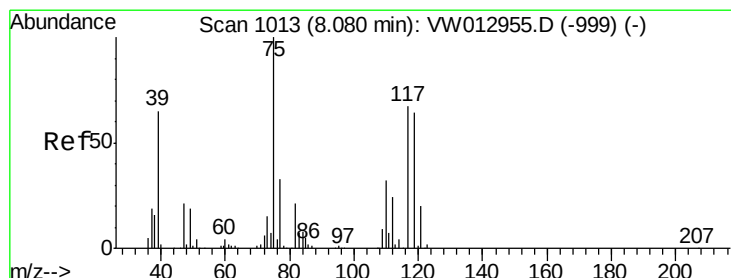
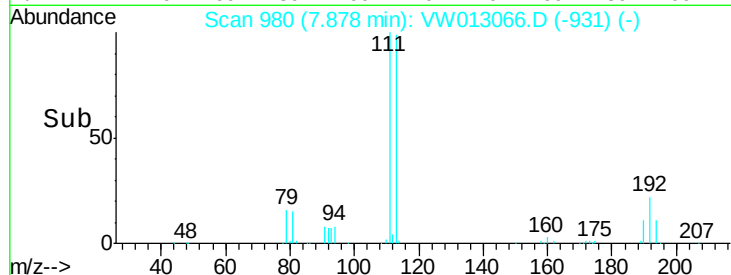
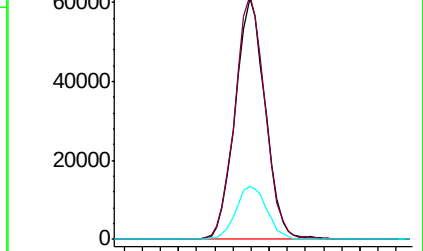
192 22.9 17.8 26.8



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: 6.127 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013066.D

Acq: 17 Sep 2019 03:38

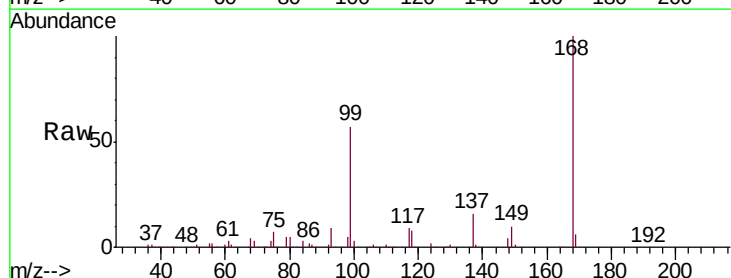
Tgt Ion: 75 Resp: 23744

Ion Ratio Lower Upper

75 100

110 9.7 16.4 49.1#

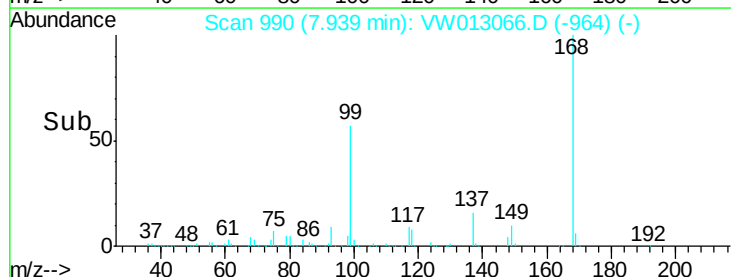
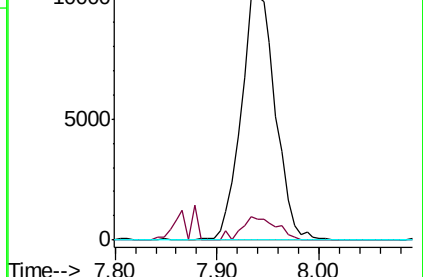
77 0.0 25.1 37.7#

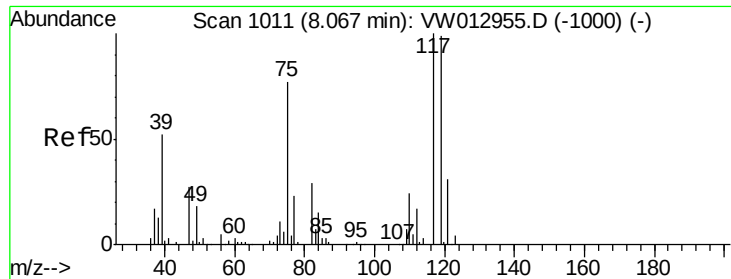


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.531 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013066.D

Acq: 17 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampleId :

SU-02-091219

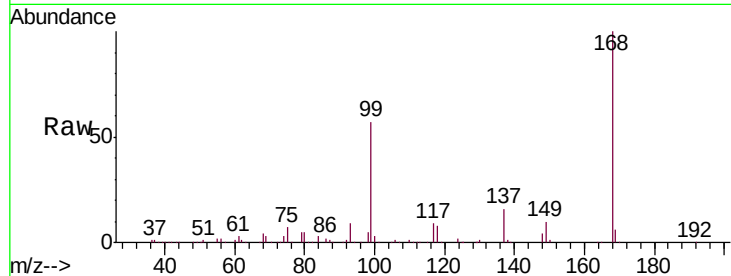
Tgt Ion:117 Resp: 29910

Ion Ratio Lower Upper

117 100

119 3.8 79.4 119.0#

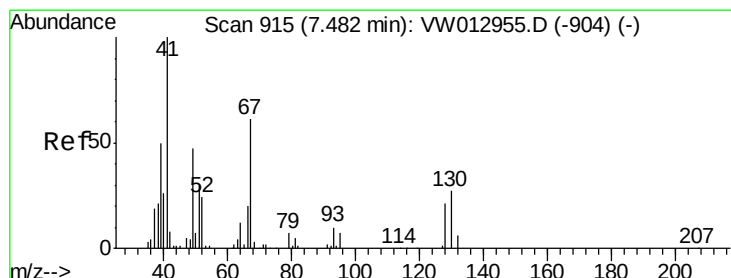
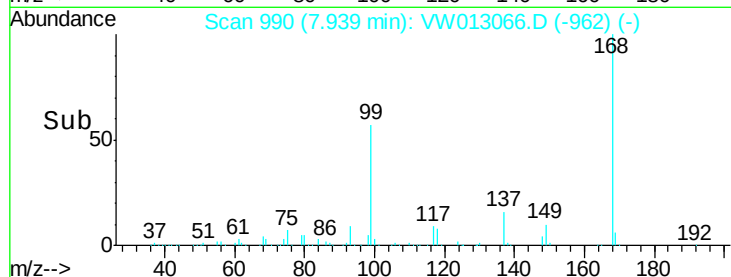
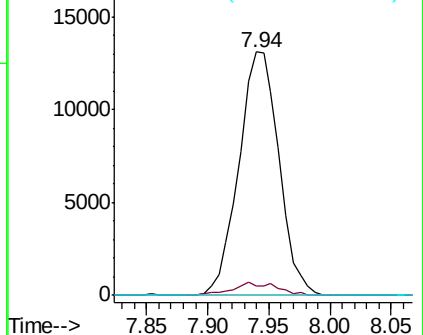
121 0.0 24.6 36.8#



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



#41

Methacrylonitrile

Concen: 2.373 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW013066.D

Acq: 17 Sep 2019 03:38

Tgt Ion: 41 Resp: 3214

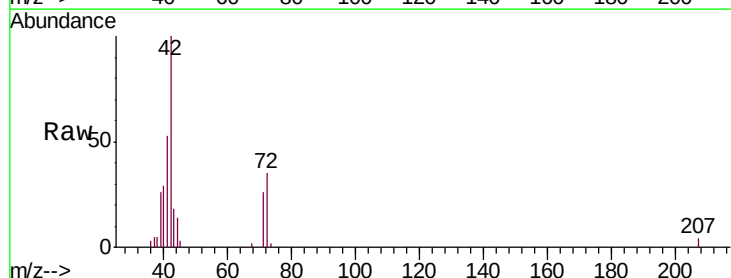
Ion Ratio Lower Upper

41 100

39 39.9 48.2 72.4#

67 0.6 47.5 71.3#

52 0.0 21.0 31.4#

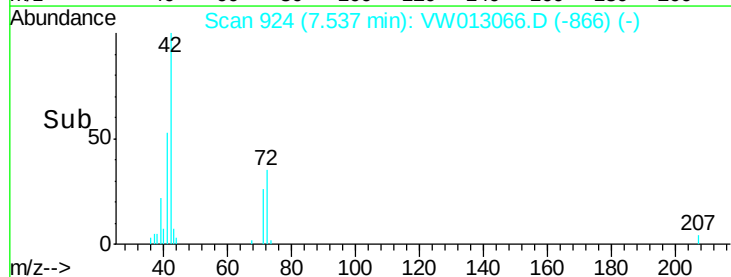
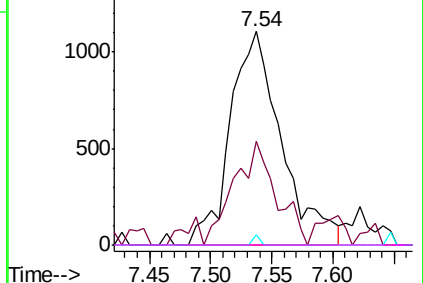


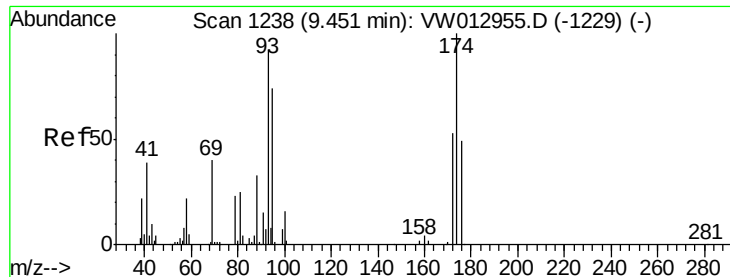
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#49

1,4-Dioxane

Concen: 1.950 ug/l

RT: 9.20 min Scan# 1197

Delta R.T. -0.25 min

Lab File: VW013066.D

Acq: 17 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampleId :

SU-02-091219

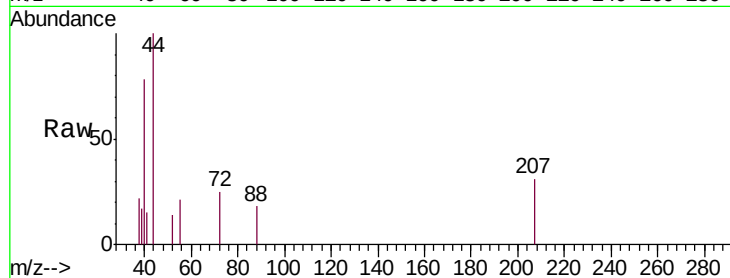
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 193.3 31.3 46.9#

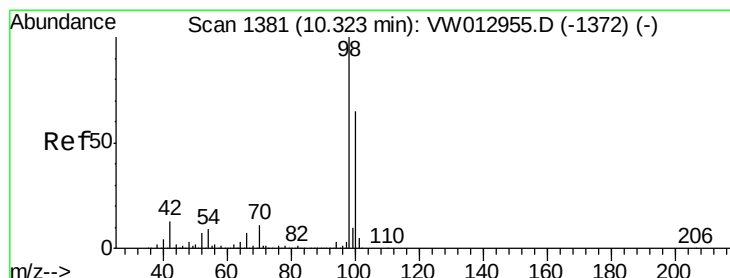
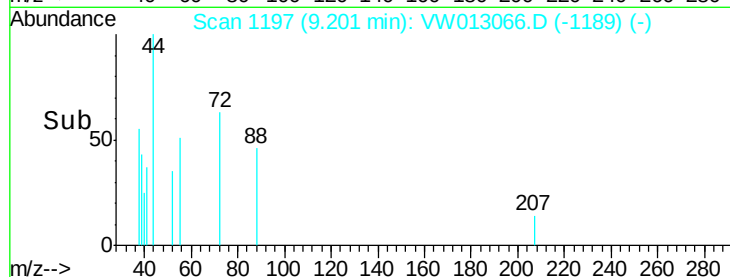
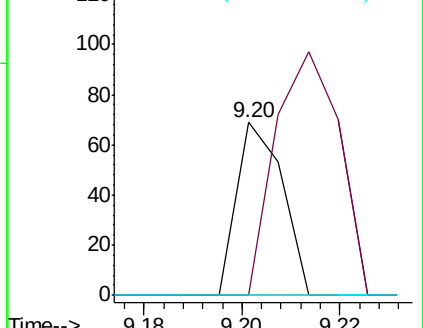
58 0.0 60.2 90.2#



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: 58.347 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013066.D

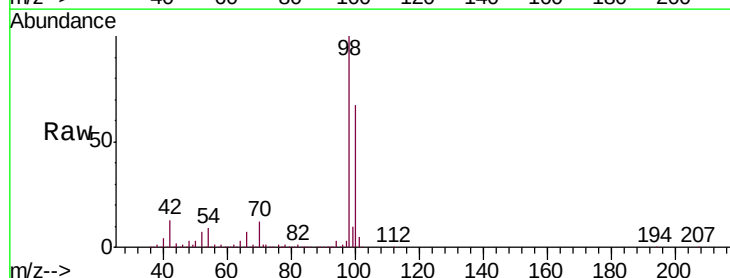
Acq: 17 Sep 2019 03:38

Tgt Ion: 98 Resp: 600827

Ion Ratio Lower Upper

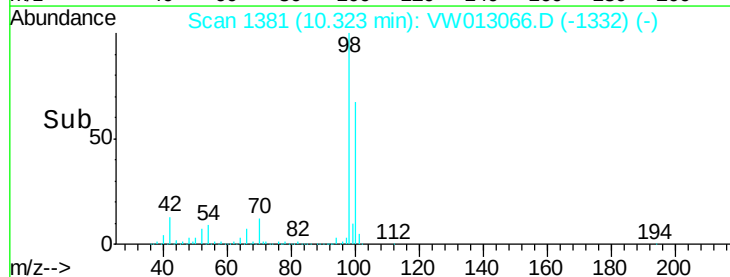
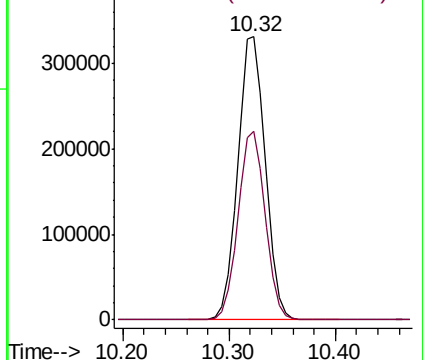
98 100

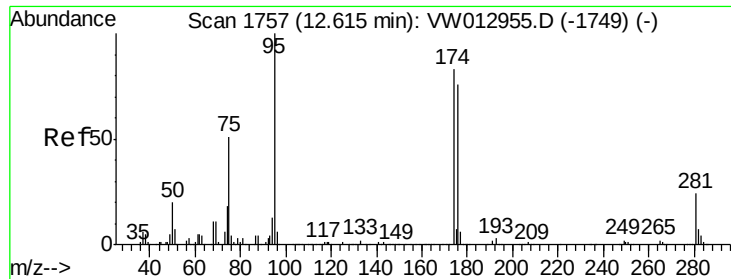
100 65.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

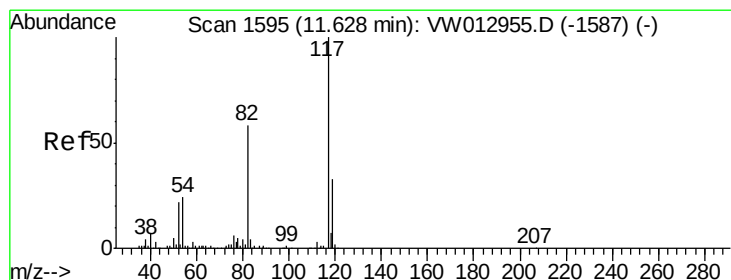
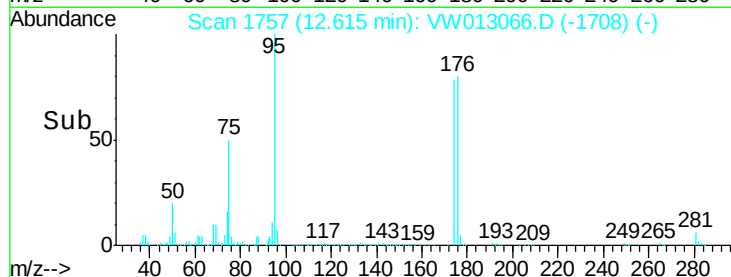
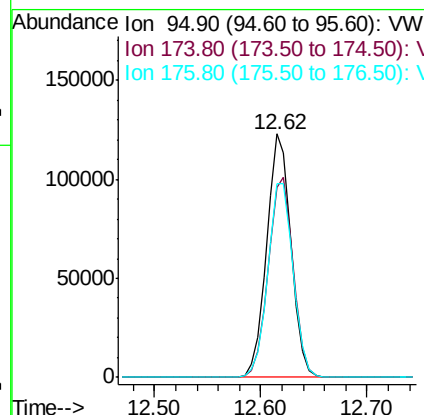
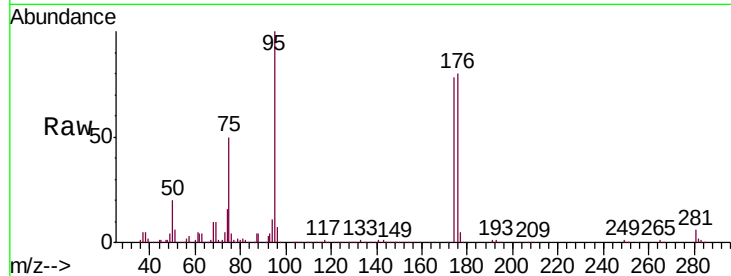




#62
 4-Bromofluorobenzene
 Concen: 53.229 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013066.D
 Acq: 17 Sep 2019 03:38

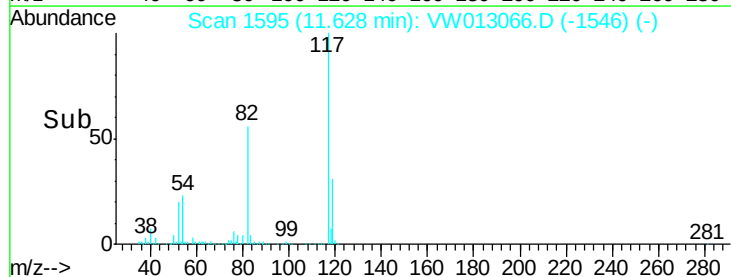
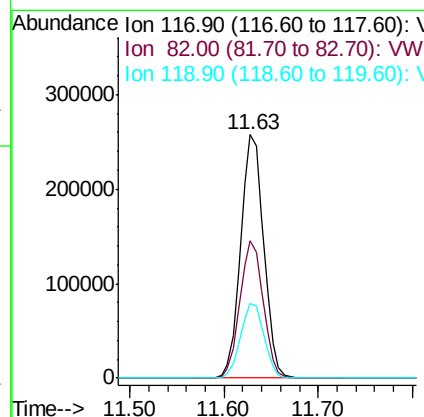
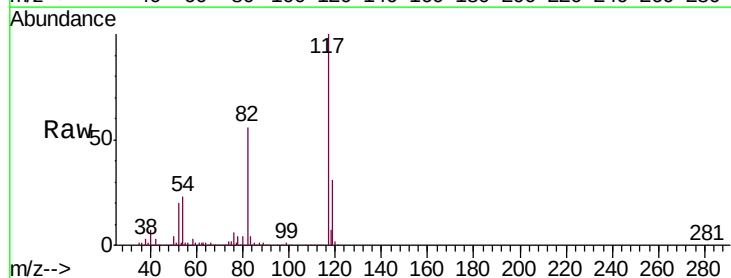
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-091219

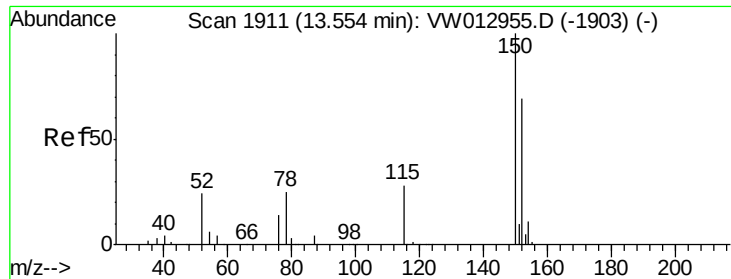
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	170.4
176	82.7	0.0	164.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VW013066.D
 Acq: 17 Sep 2019 03:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	30.8	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013066.D

Acq: 17 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampled :

SU-02-091219

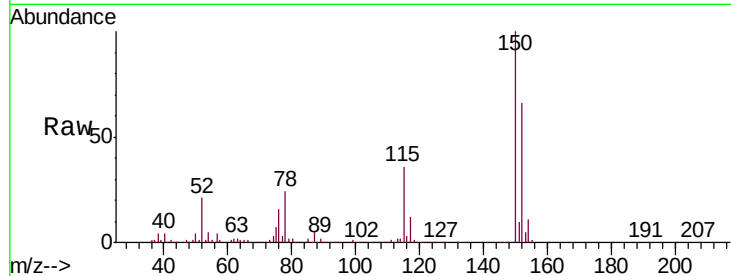
Tgt Ion:152 Resp: 180317

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.4

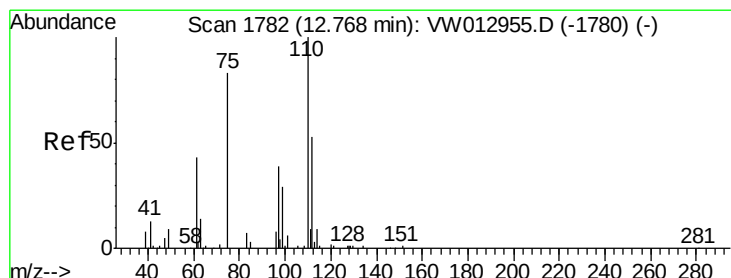
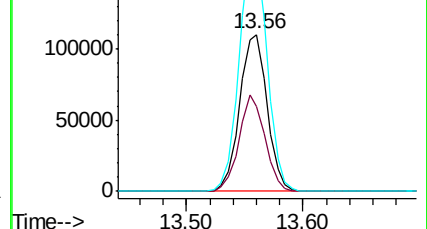
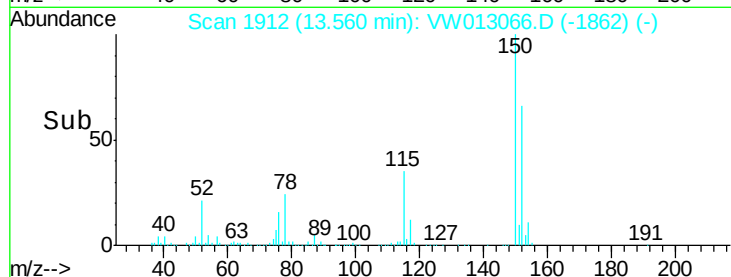
150 156.3 0.0 340.2



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: 63.223 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013066.D

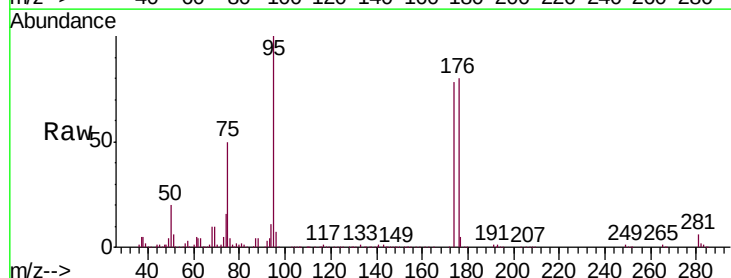
Acq: 17 Sep 2019 03:38

Tgt Ion: 75 Resp: 99856

Ion Ratio Lower Upper

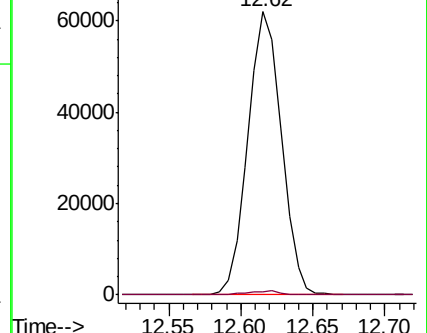
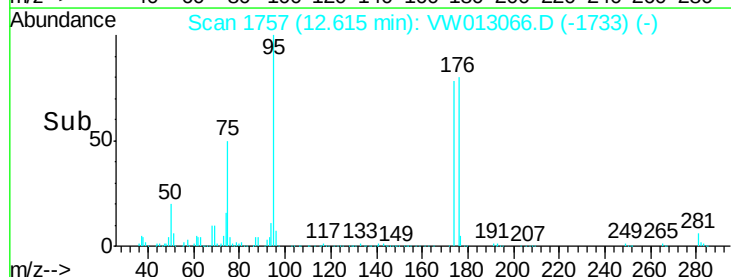
75 100

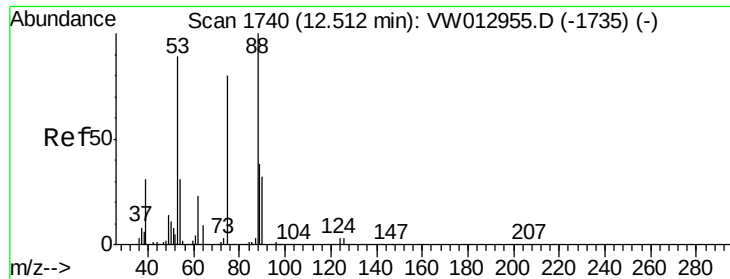
77 1.4 0.0 0.0#



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: 143.419 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013066.D

Acq: 17 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampleId :

SU-02-091219

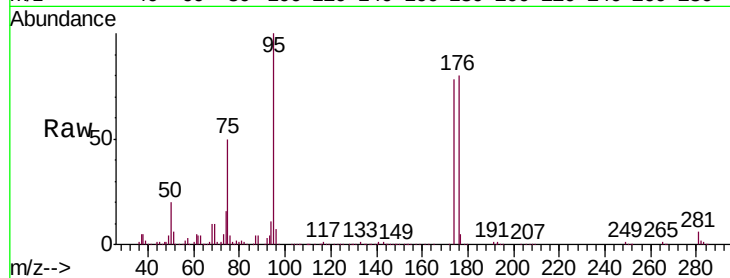
Tgt Ion: 75 Resp: 99856

Ion Ratio Lower Upper

75 100

53 0.3 85.6 128.4#

89 0.0 37.2 55.8#



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

