

Data File : VW013113.D
Acq On : 18 Sep 2019 15:10
Operator : SY/VA
Sample : K4886-02
Misc : 5.07G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-13-S2(3.5-4)

Quant Time: Sep 19 07:55:04 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	326189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	488874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	152089	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	147495	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.88	113	138267	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
50) Toluene-d8	10.32	98	561188	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.62	95	164143	43.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.96%	

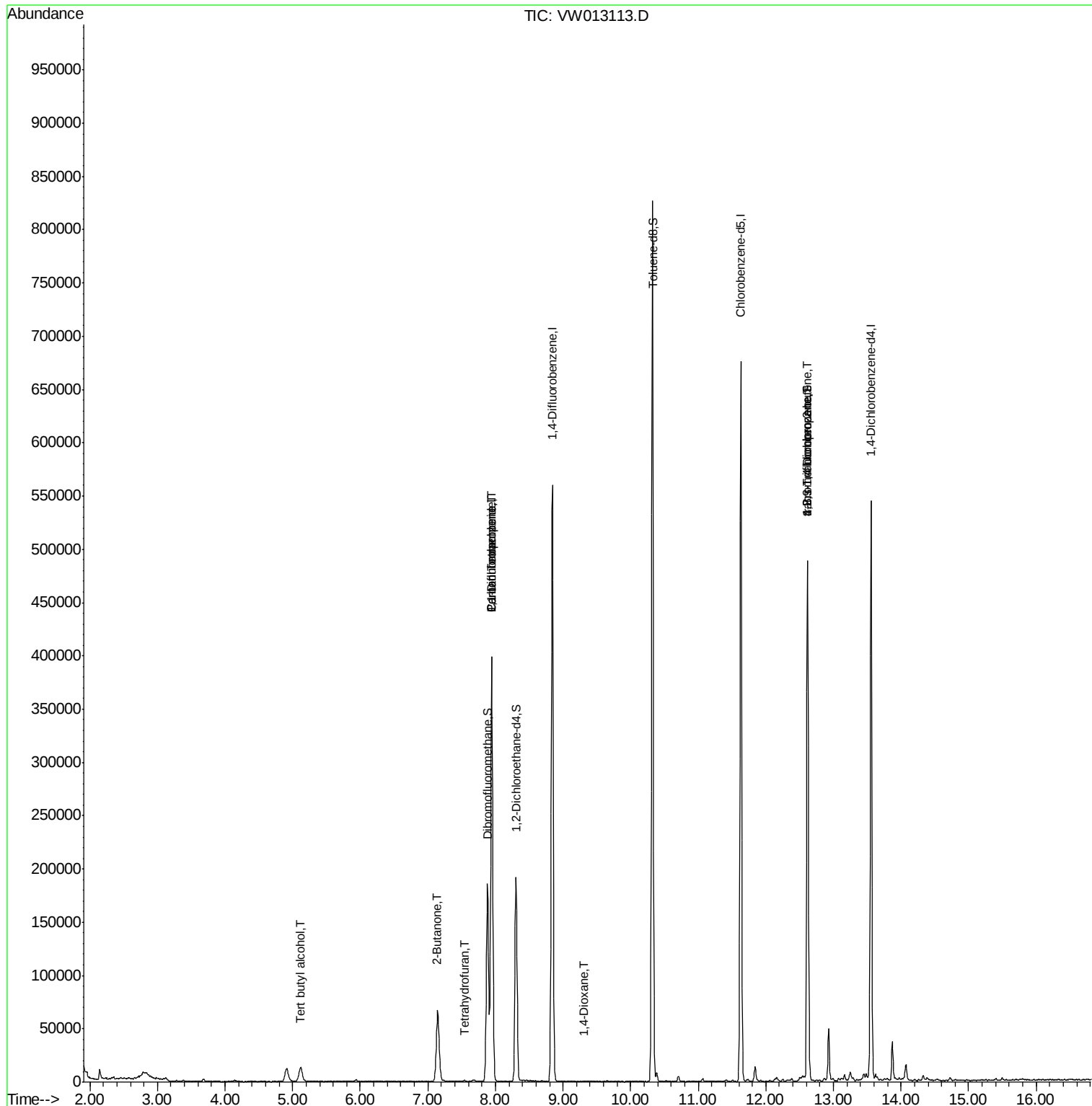
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.03	85	47	Below Cal	#	44
3) Chloromethane	2.21	50	131	Below Cal	#	49
11) Tert butyl alcohol	5.12	59	12762	45.209	ug/l #	74
13) Acrolein	3.92	56	27	Below Cal	#	15
16) Acetone	4.14	43	2285	Below Cal		92
20) Methylene Chloride	4.91	84	10159	Below Cal		90
25) 2-Butanone	7.14	43	3274	3.418	ug/l #	68
26) 2,2-Dichloropropane	7.15	77	5076	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	1119	2.050	ug/l #	77
31) Cyclohexane	7.95	56	5141	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	21516	5.508	ug/l #	51
38) Carbon Tetrachloride	7.95	117	28411	7.097	ug/l #	14
49) 1,4-Dioxane	9.30	88	58	2.493	ug/l #	8
76) 1,2,3-Trichloropropane	12.62	75	78088	58.617	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78088	132.971	ug/l #	7

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

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Quant Title : SW846 8260
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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: VW013113.D

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Instrument :

MSVOA_W

ClientSampleId :

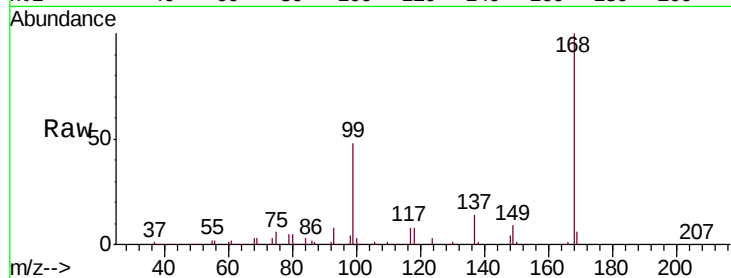
TP-13-S2(3.5-4)

Tgt Ion:168 Resp: 326189

Ion Ratio Lower Upper

168 100

99 47.9 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

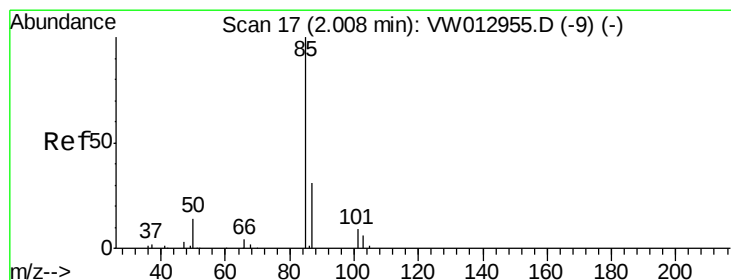
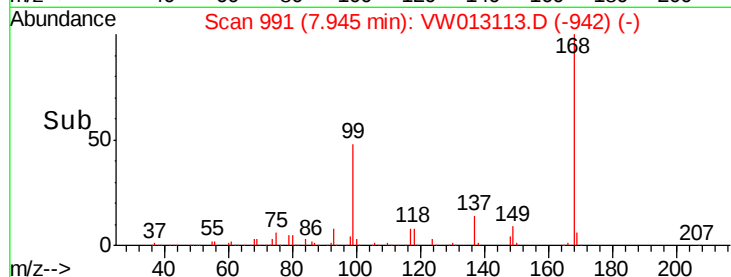
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.03 min Scan# 20

Delta R.T. 0.02 min

Lab File: VW013113.D

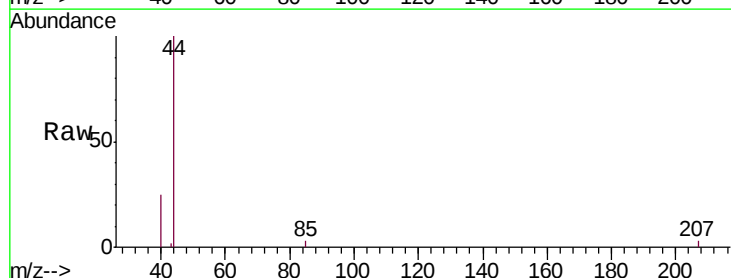
Acq: 18 Sep 2019 15:10

Tgt Ion: 85 Resp: 47

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

2.03

80

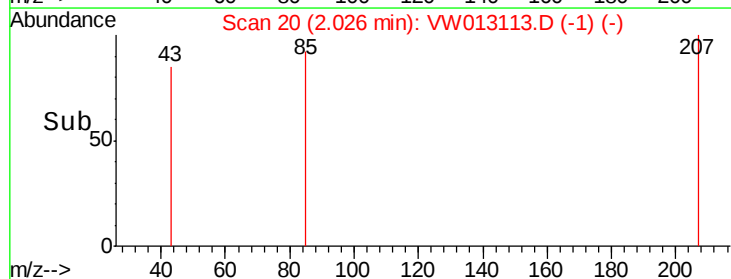
60

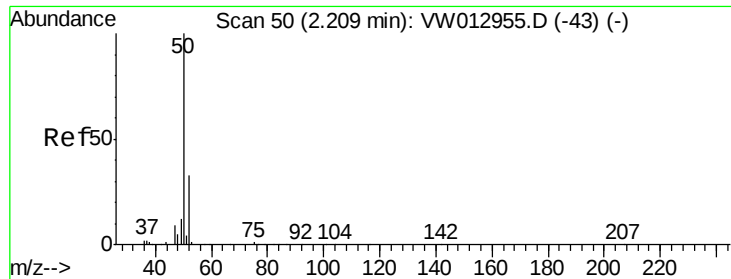
40

20

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013113.D

Acq: 18 Sep 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

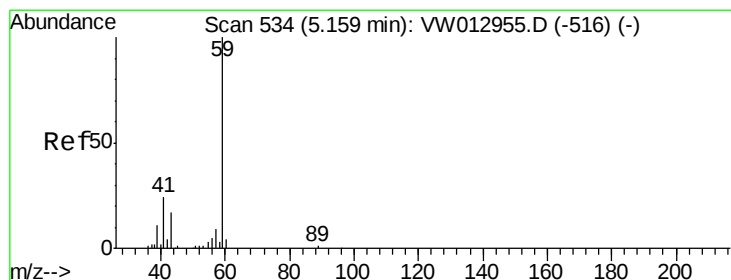
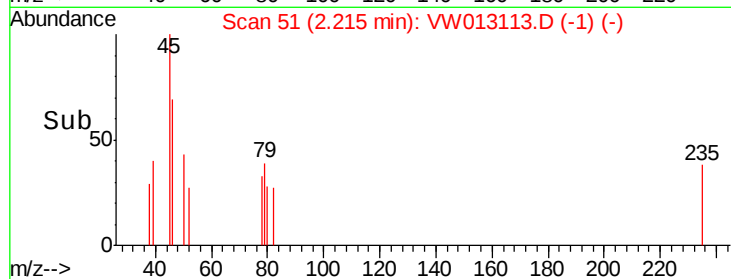
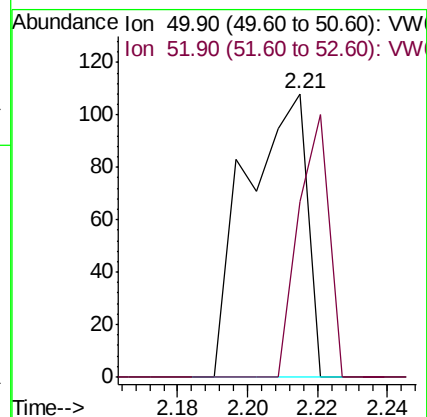
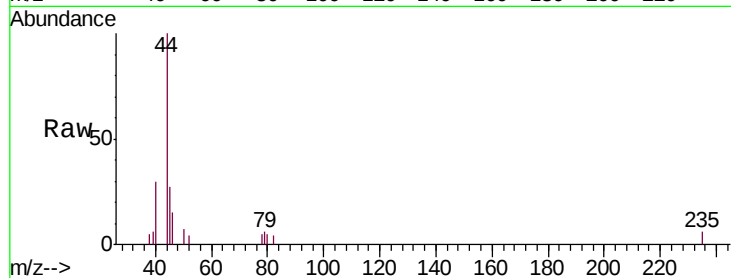
TP-13-S2(3.5-4)

Tgt Ion: 50 Resp: 131

Ion Ratio Lower Upper

50 100

52 62.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: 45.209 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW013113.D

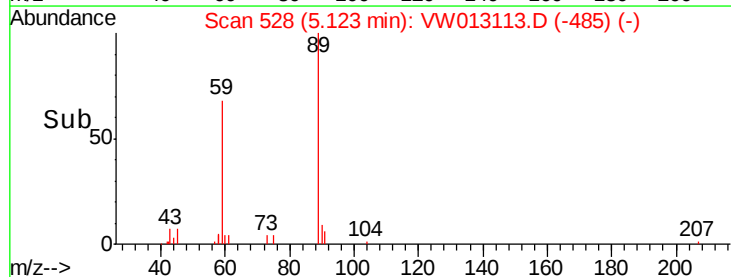
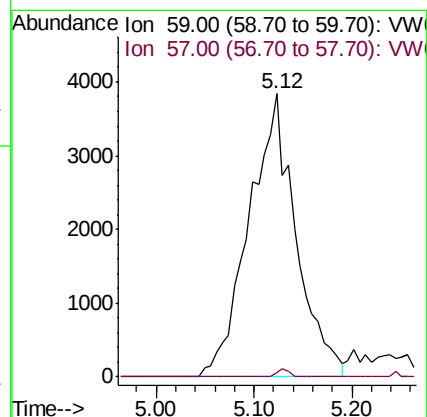
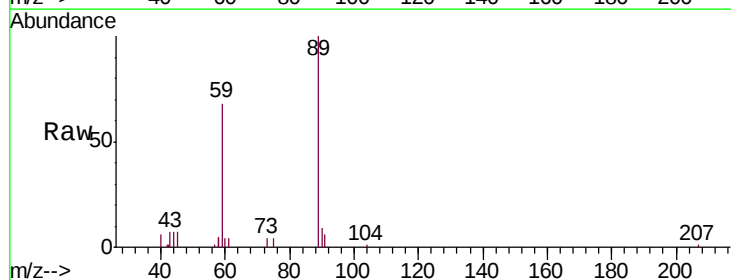
Acq: 18 Sep 2019 15:10

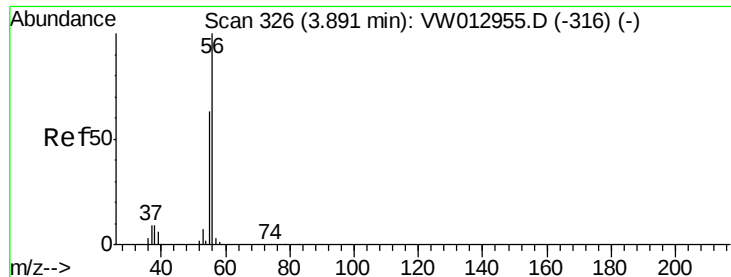
Tgt Ion: 59 Resp: 12762

Ion Ratio Lower Upper

59 100

57 0.7 8.5 12.7#

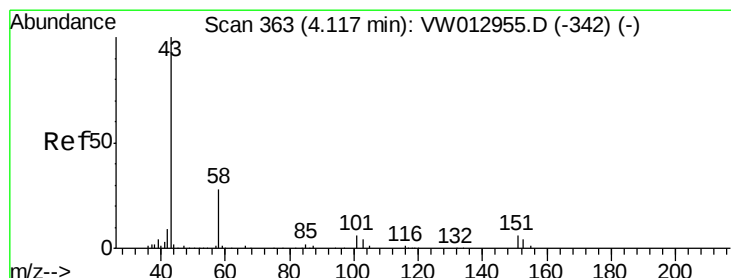
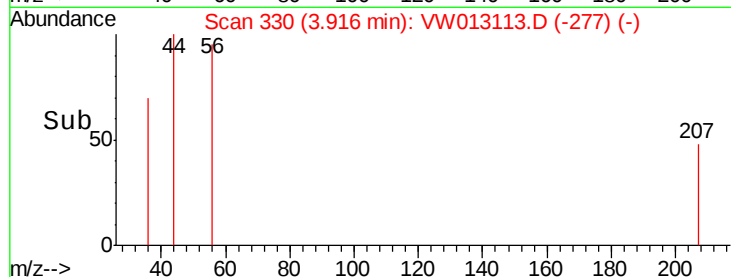
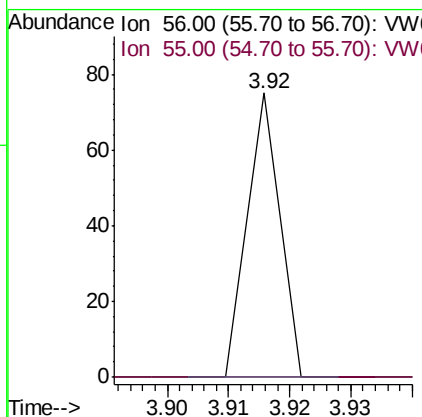
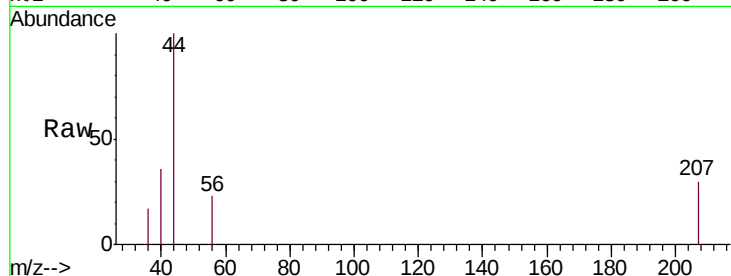




#13
Acrolein
Concen: Below Cal
RT: 3.92 min Scan# 330
Delta R.T. 0.02 min
Lab File: VW013113.D
Acq: 18 Sep 2019 15:10

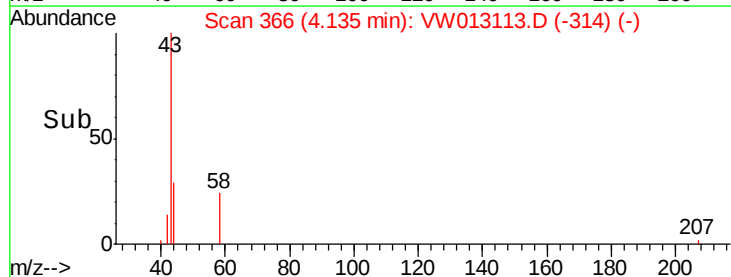
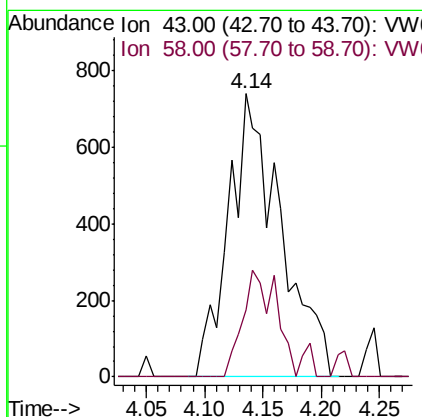
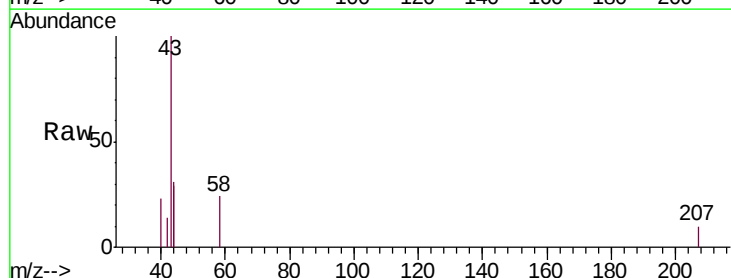
Instrument :
MSVOA_W
ClientSampleId :
TP-13-S2(3.5-4)

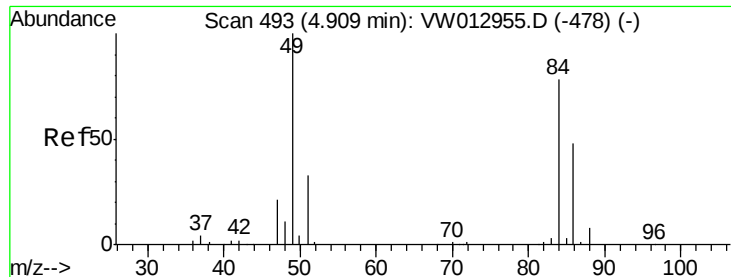
Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: Below Cal
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW013113.D
Acq: 18 Sep 2019 15:10

Tgt Ion: 43 Resp: 2285
Ion Ratio Lower Upper
43 100
58 23.8 22.3 33.5

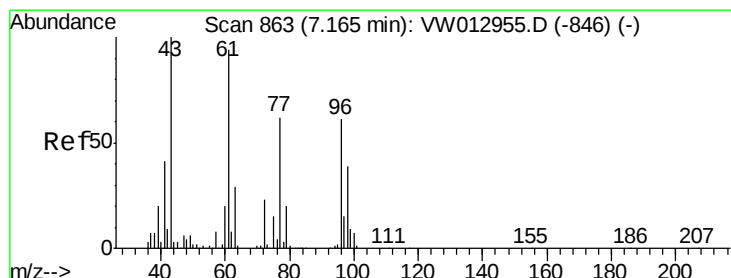
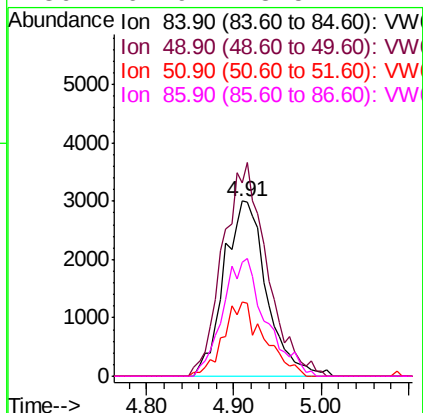
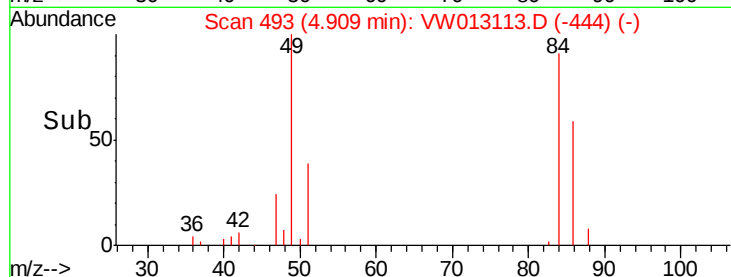
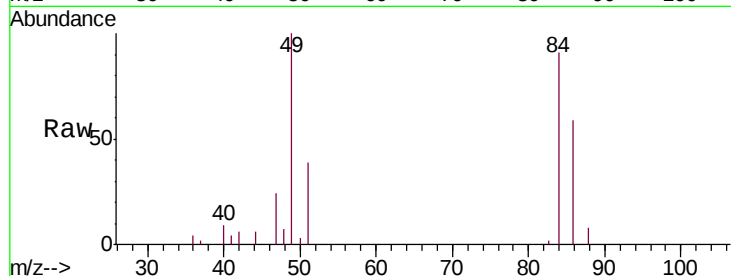




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013113.D
Acq: 18 Sep 2019 15:10

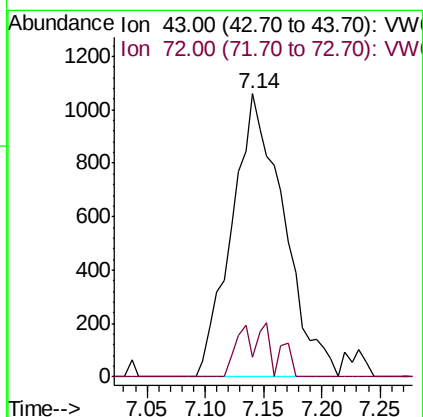
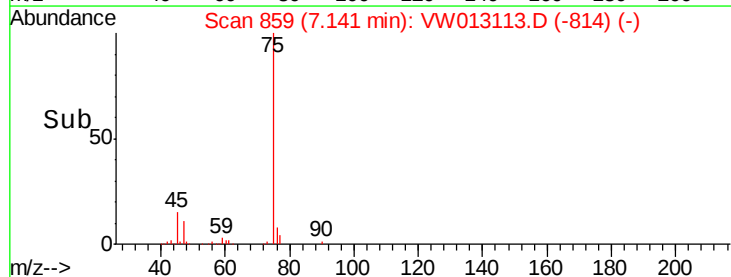
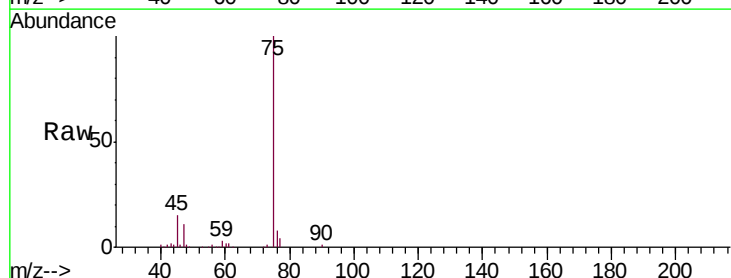
Instrument :
MSVOA_W
ClientSampleId :
TP-13-S2(3.5-4)

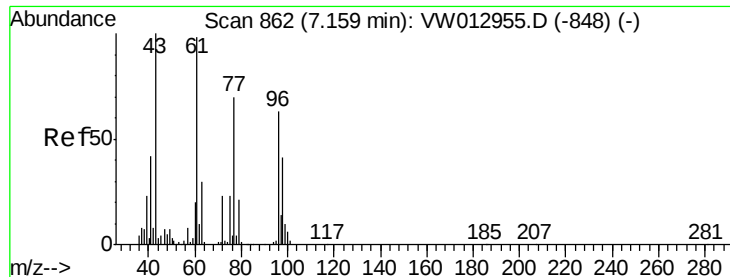
Tgt Ion: 84 Resp: 10159
Ion Ratio Lower Upper
84 100
49 110.1 102.0 153.0
51 42.4 34.0 51.0
86 64.9 48.5 72.7



#25
2-Butanone
Concen: 3.418 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013113.D
Acq: 18 Sep 2019 15:10

Tgt Ion: 43 Resp: 3274
Ion Ratio Lower Upper
43 100
72 7.2 18.2 27.4#

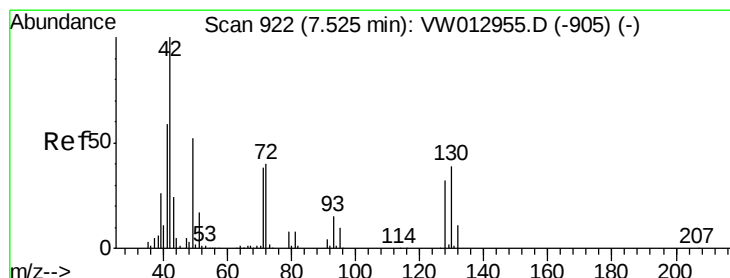
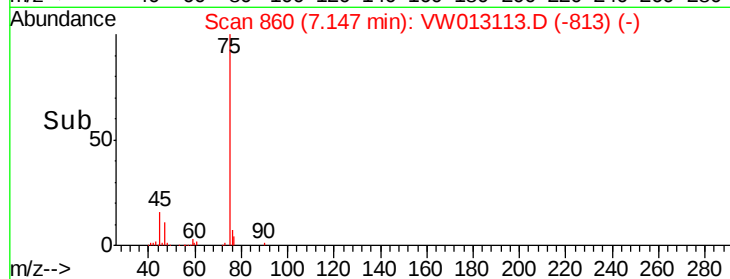
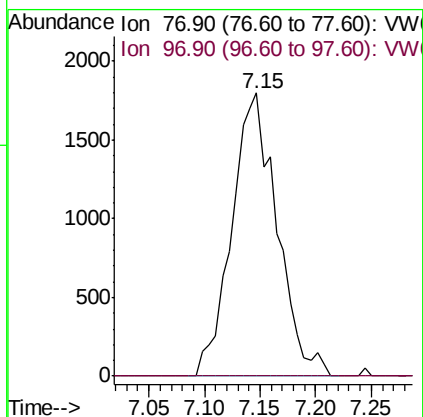
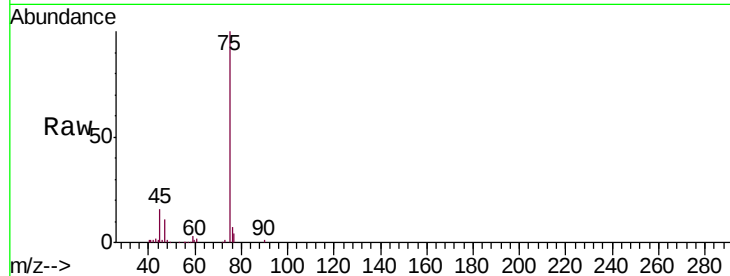




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VW013113.D
 Acq: 18 Sep 2019 15:10

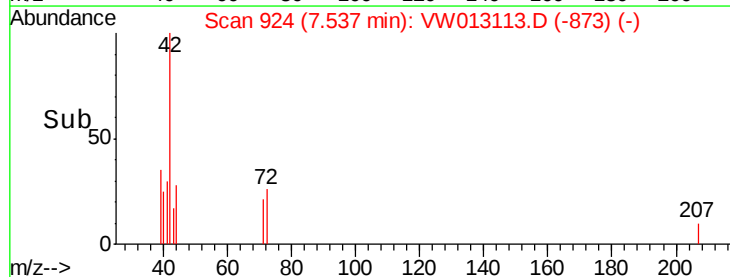
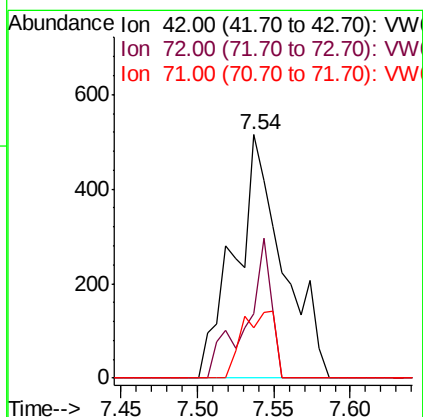
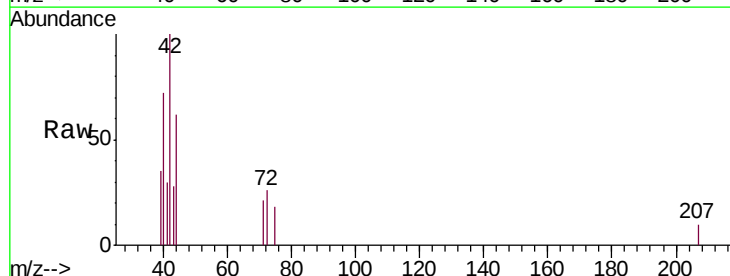
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-13-S2(3.5-4)

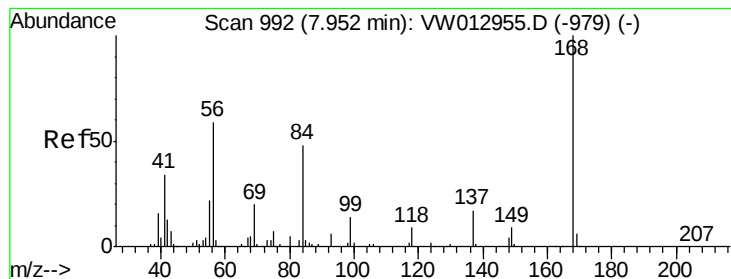
Tgt Ion: 77 Resp: 5076
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 2.050 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW013113.D
 Acq: 18 Sep 2019 15:10

Tgt Ion: 42 Resp: 1119
 Ion Ratio Lower Upper
 42 100
 72 30.2 31.4 47.0#
 71 18.9 29.8 44.8#





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013113.D

Acq: 18 Sep 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

TP-13-S2(3.5-4)

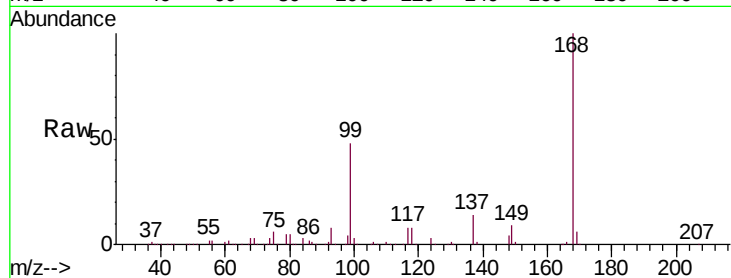
Tgt Ion: 56 Resp: 5141

Ion Ratio Lower Upper

56 100

69 208.8 27.0 40.6#

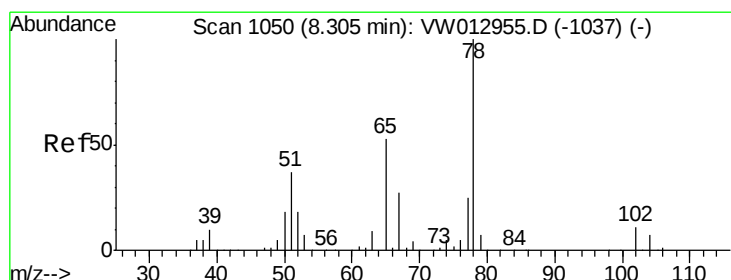
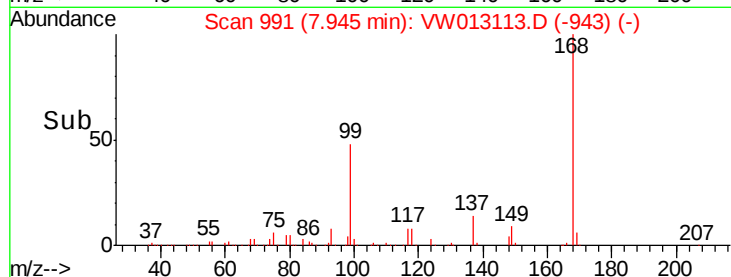
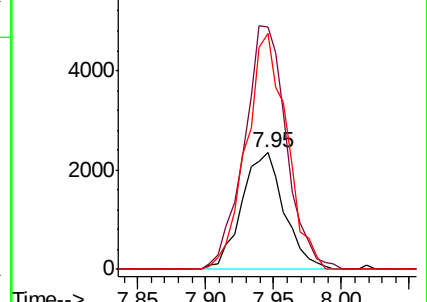
84 202.3 66.2 99.2#



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: 48.960 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013113.D

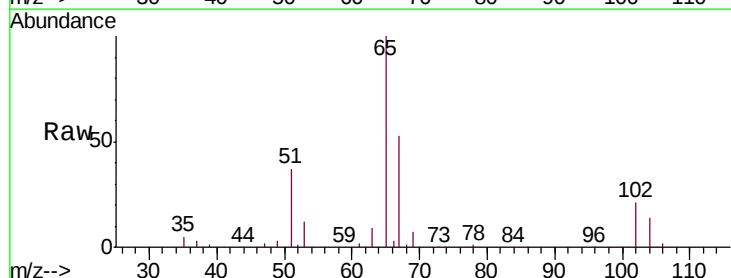
Acq: 18 Sep 2019 15:10

Tgt Ion: 65 Resp: 147495

Ion Ratio Lower Upper

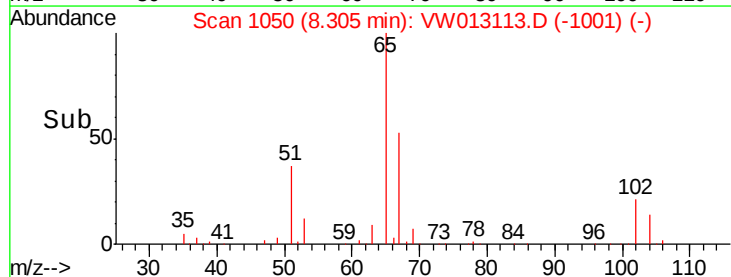
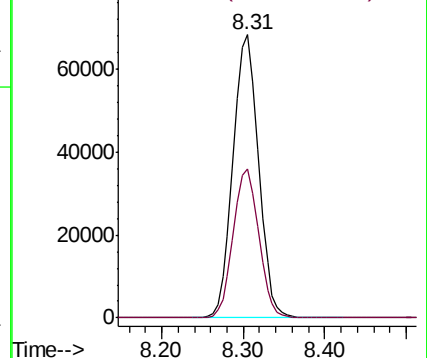
65 100

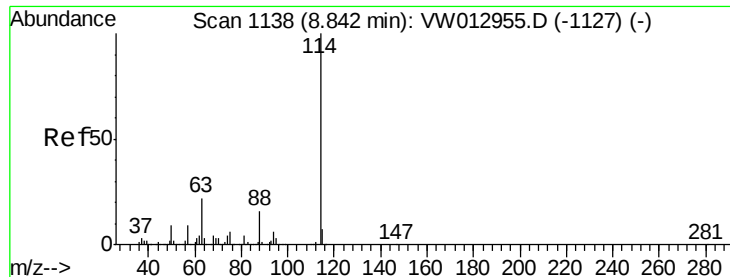
67 52.8 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

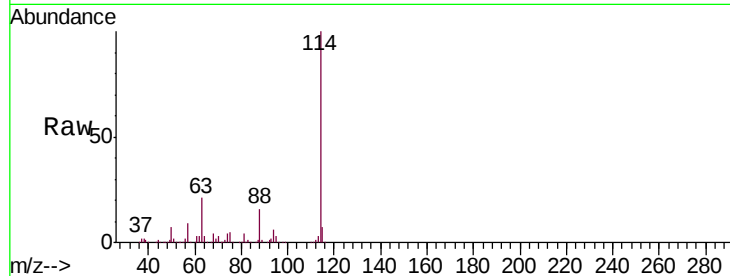




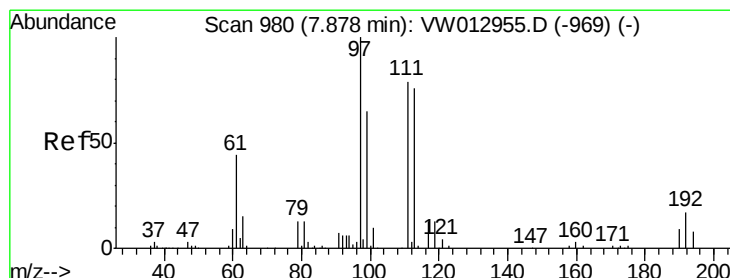
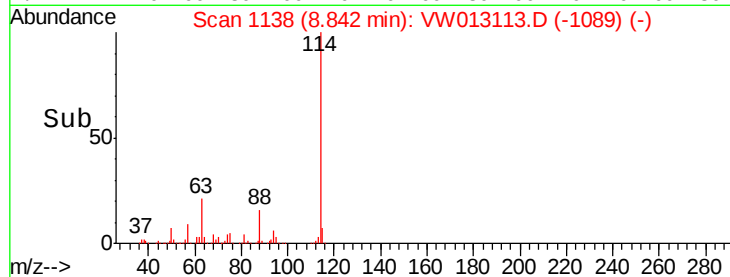
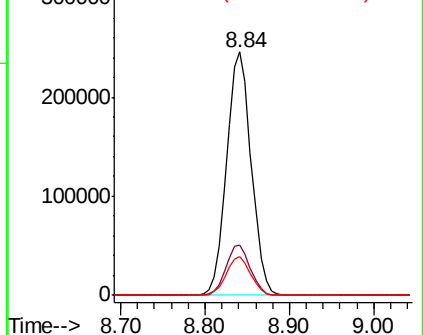
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013113.D
Acq: 18 Sep 2019 15:10

Instrument :
MSVOA_W
ClientSampleId :
TP-13-S2(3.5-4)

Tgt Ion:114 Resp: 488874
Ion Ratio Lower Upper
114 100
63 20.5 0.0 43.4
88 15.8 0.0 31.6

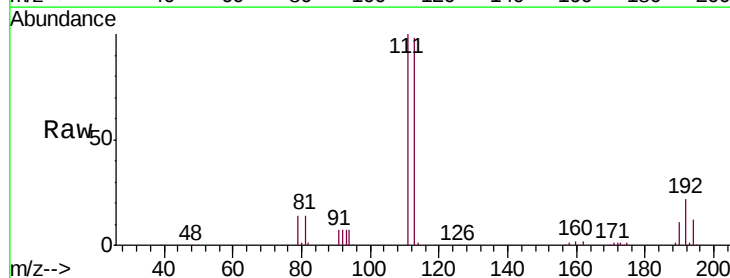


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

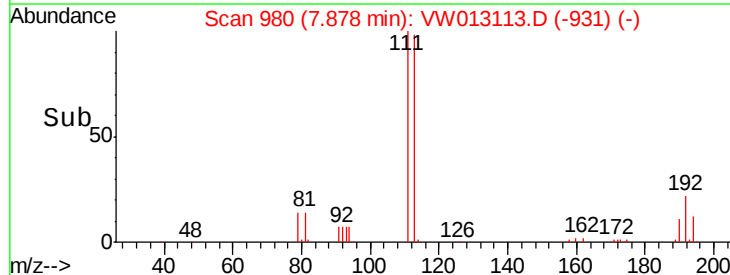
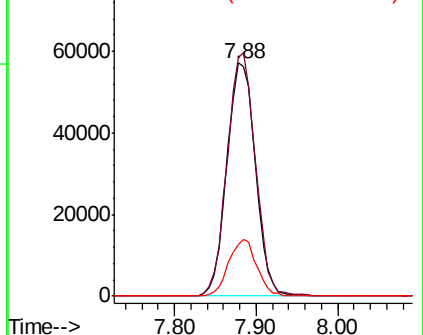


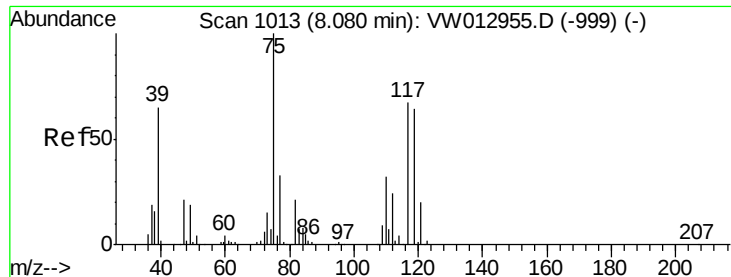
#35
Dibromofluoromethane
Concen: 52.123 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW013113.D
Acq: 18 Sep 2019 15:10

Tgt Ion:113 Resp: 138267
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 23.8 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

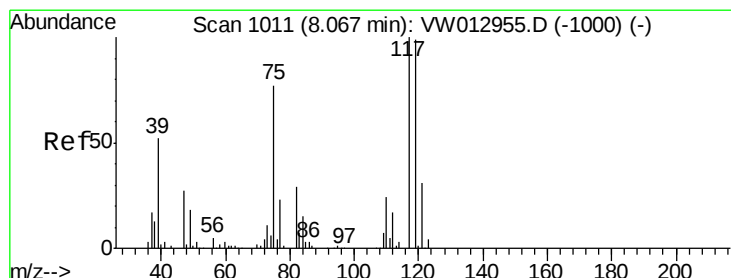
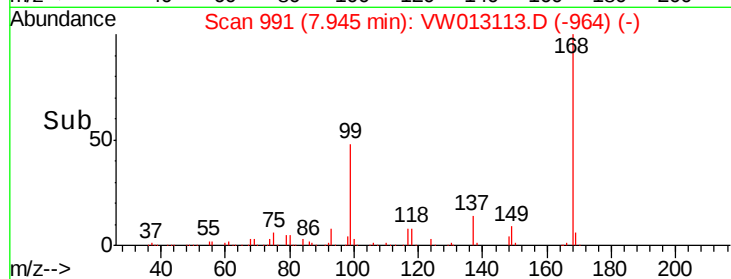
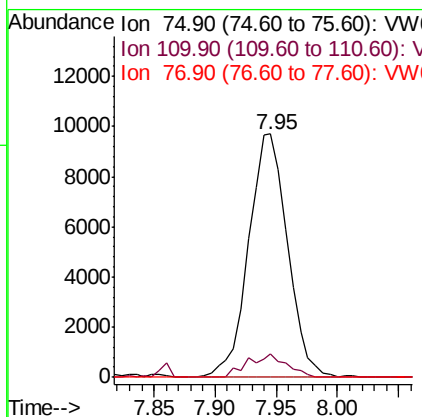
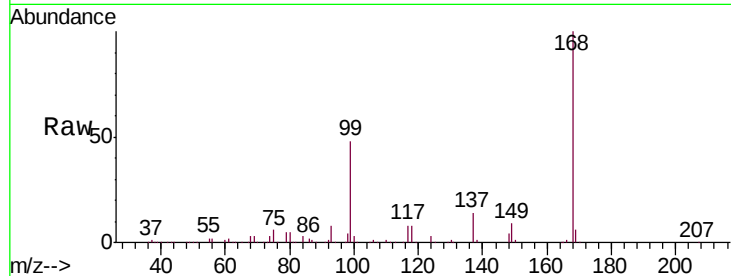




#36
 1,1-Dichloropropene
 Concen: 5.508 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013113.D
 Acq: 18 Sep 2019 15:10

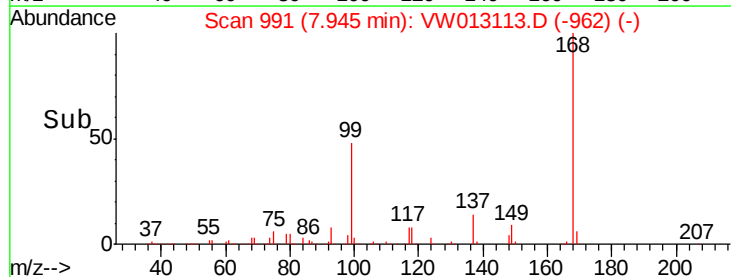
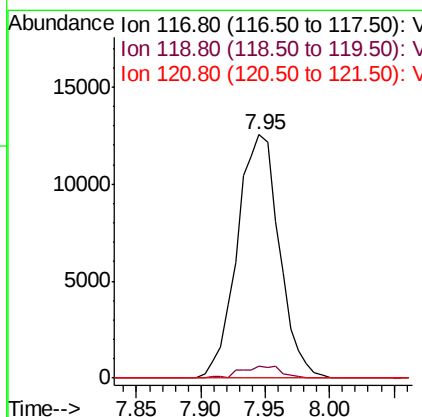
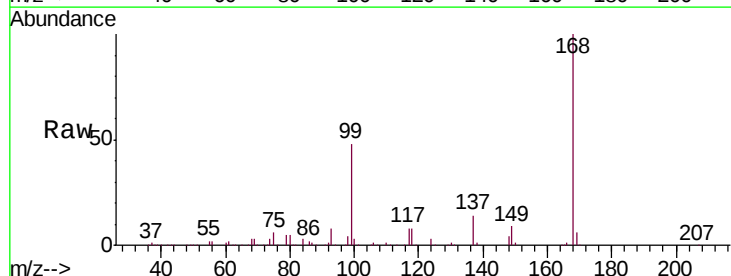
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-13-S2(3.5-4)

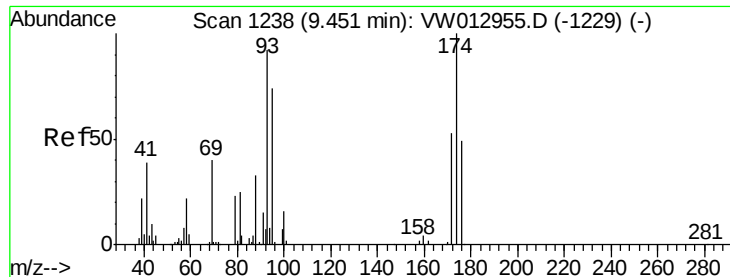
Tgt Ion: 75 Resp: 21516
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.097 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013113.D
 Acq: 18 Sep 2019 15:10

Tgt Ion: 117 Resp: 28411
 Ion Ratio Lower Upper
 117 100
 119 4.7 79.4 119.0#
 121 0.0 24.6 36.8#





#49

1,4-Dioxane

Concen: 2.493 ug/l

RT: 9.30 min Scan# 1213

Delta R.T. -0.15 min

Lab File: VW013113.D

Acq: 18 Sep 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

TP-13-S2(3.5-4)

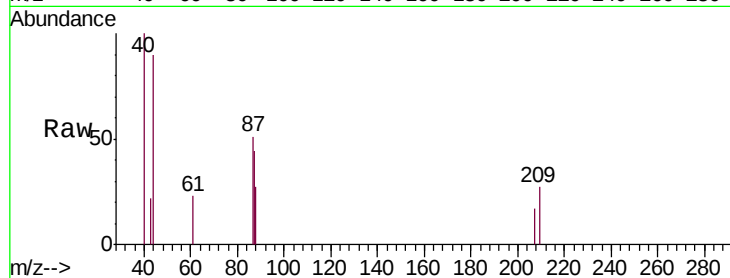
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 100.0 31.3 46.9#

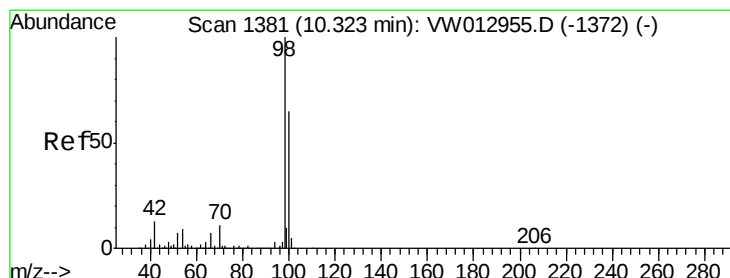
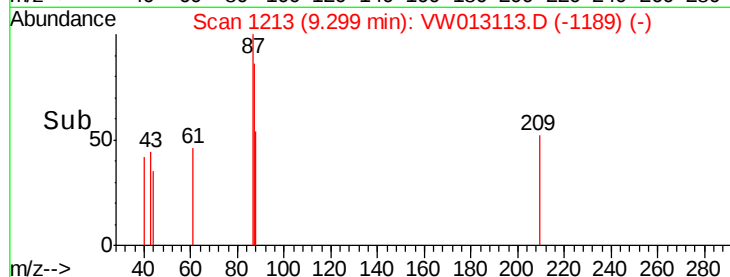
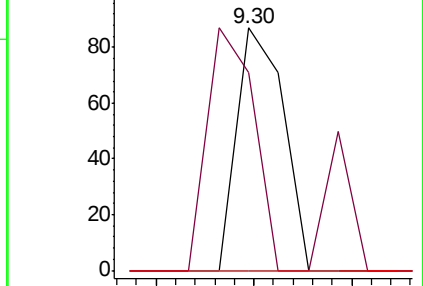
58 0.0 60.2 90.2#



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: 54.063 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013113.D

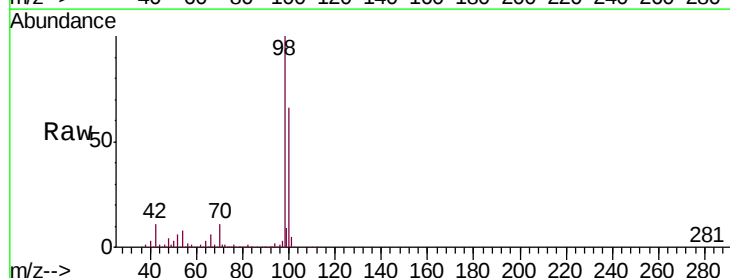
Acq: 18 Sep 2019 15:10

Tgt Ion: 98 Resp: 561188

Ion Ratio Lower Upper

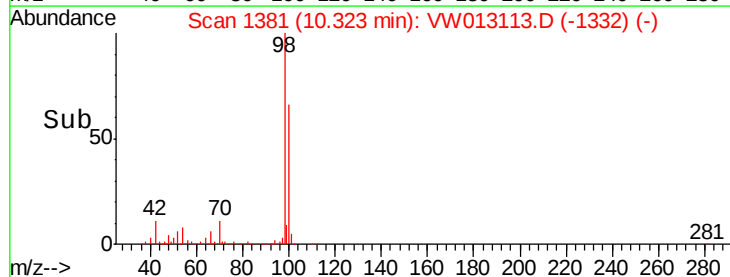
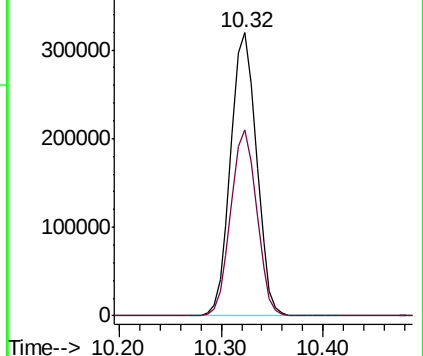
98 100

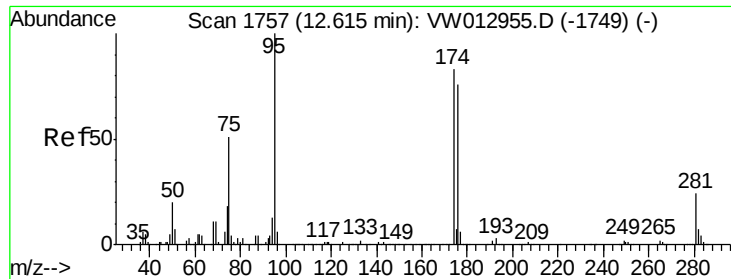
100 65.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

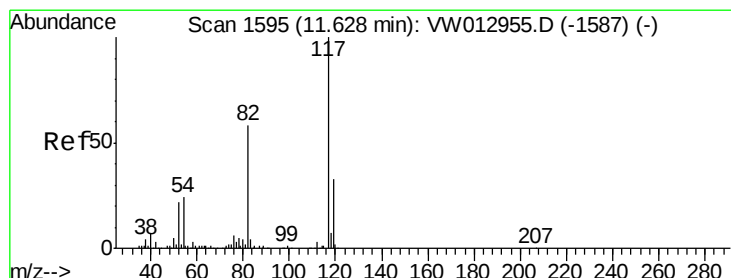
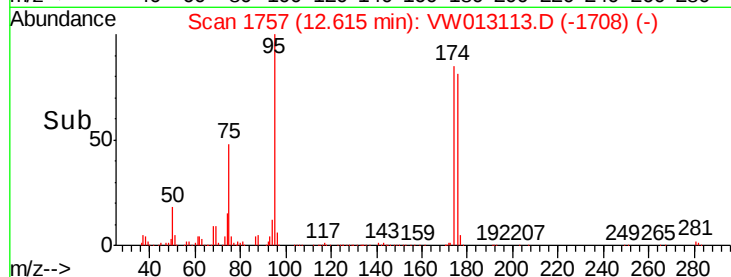
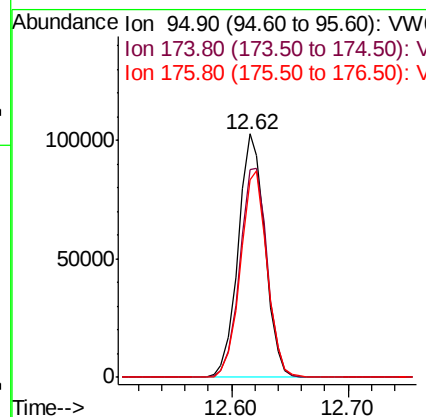
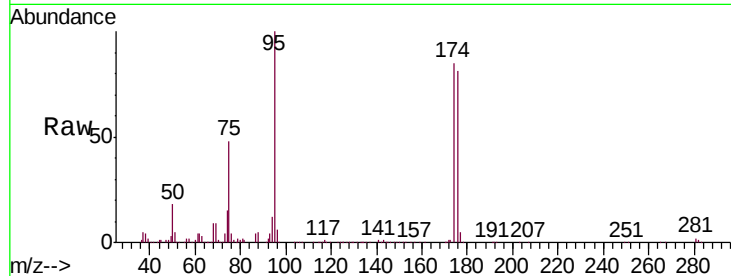




#62
4-Bromofluorobenzene
Concen: 43.976 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013113.D
Acq: 18 Sep 2019 15:10

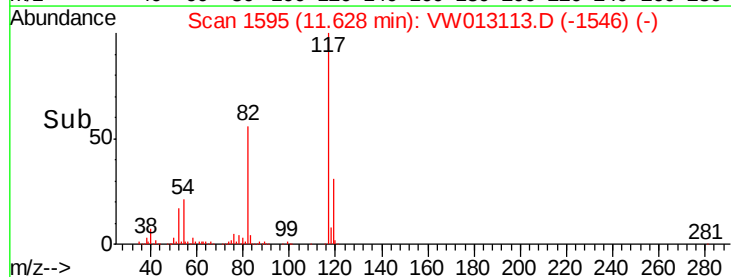
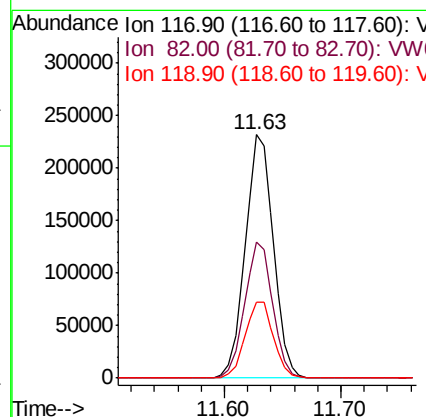
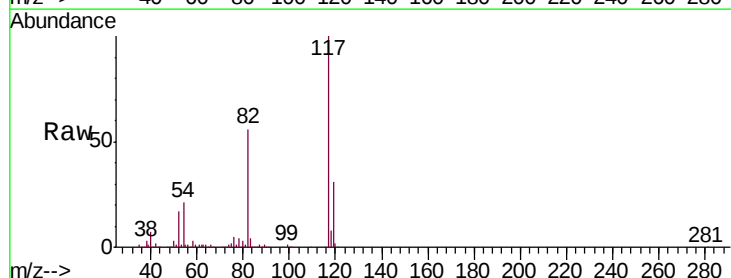
Instrument :
MSVOA_W
ClientSampleId :
TP-13-S2(3.5-4)

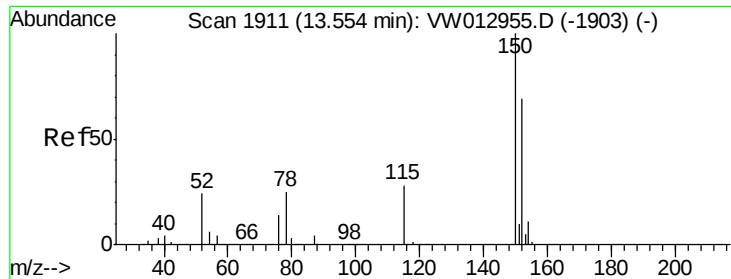
Tgt Ion: 95 Resp: 164143
Ion Ratio Lower Upper
95 100
174 88.6 0.0 170.4
176 84.4 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013113.D
Acq: 18 Sep 2019 15:10

Tgt Ion: 117 Resp: 391072
Ion Ratio Lower Upper
117 100
82 55.7 46.3 69.5
119 31.1 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: VW013113.D

Acq: 18 Sep 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

TP-13-S2(3.5-4)

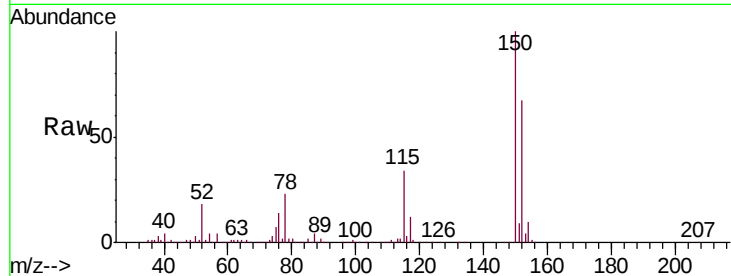
Tgt Ion:152 Resp: 152089

Ion Ratio Lower Upper

152 100

115 54.8 28.8 86.4

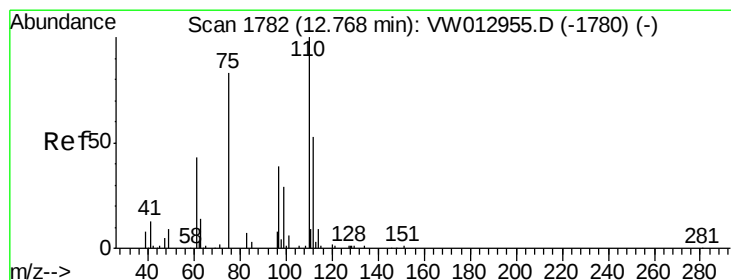
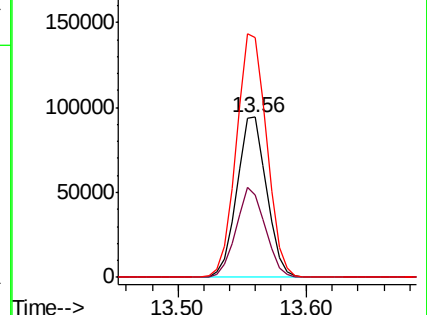
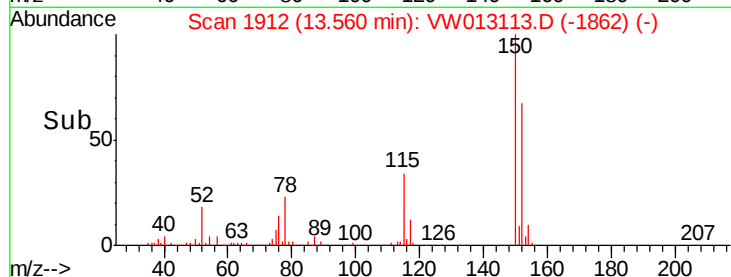
150 155.1 0.0 340.2



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: 58.617 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013113.D

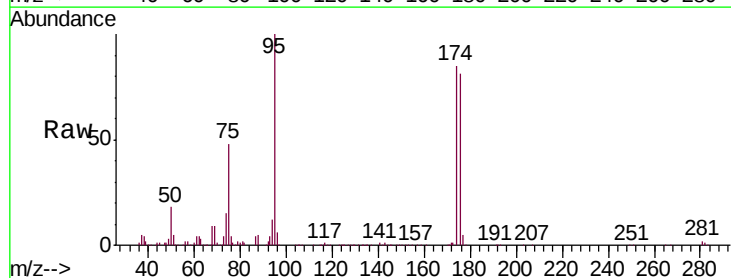
Acq: 18 Sep 2019 15:10

Tgt Ion: 75 Resp: 78088

Ion Ratio Lower Upper

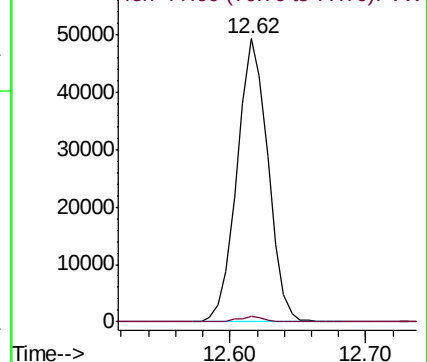
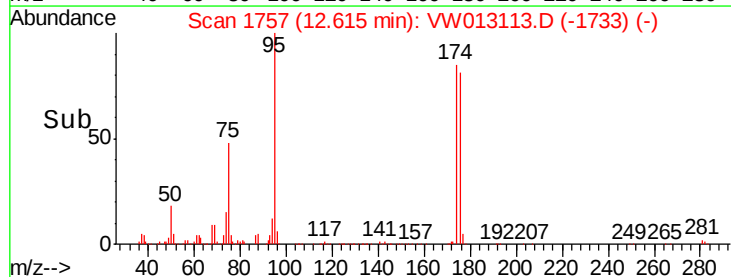
75 100

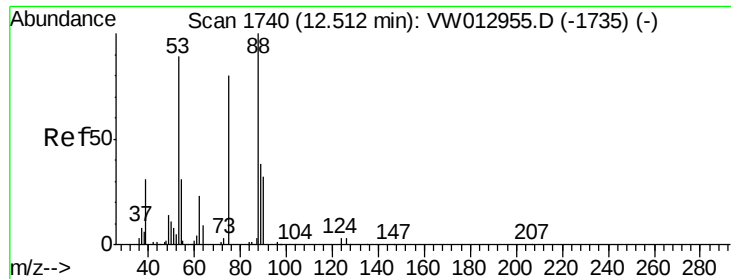
77 1.6 0.0 0.0#



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: 132.971 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013113.D

Acq: 18 Sep 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

TP-13-S2(3.5-4)

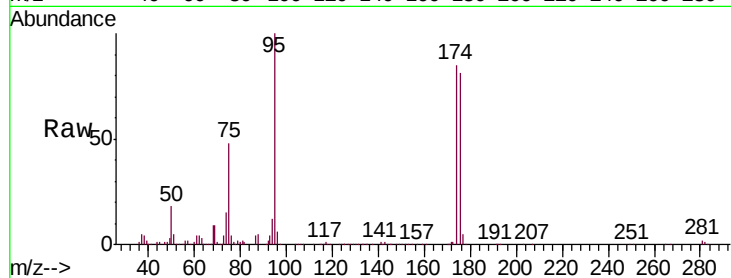
Tgt Ion: 75 Resp: 78088

Ion Ratio Lower Upper

75 100

53 0.1 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

