

Data File : VW012978.D
Acq On : 14 Sep 2019 02:34
Operator : SY/VA
Sample : K4786-03
Misc : 7.92G/5ML/MSVOA_W/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP2

Quant Time: Sep 14 04:28:05 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	269382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	411023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137570	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	143113	57.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.04%	
35) Dibromofluoromethane	7.88	113	120003	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
50) Toluene-d8	10.32	98	480769	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
62) 4-Bromofluorobenzene	12.62	95	150099	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	

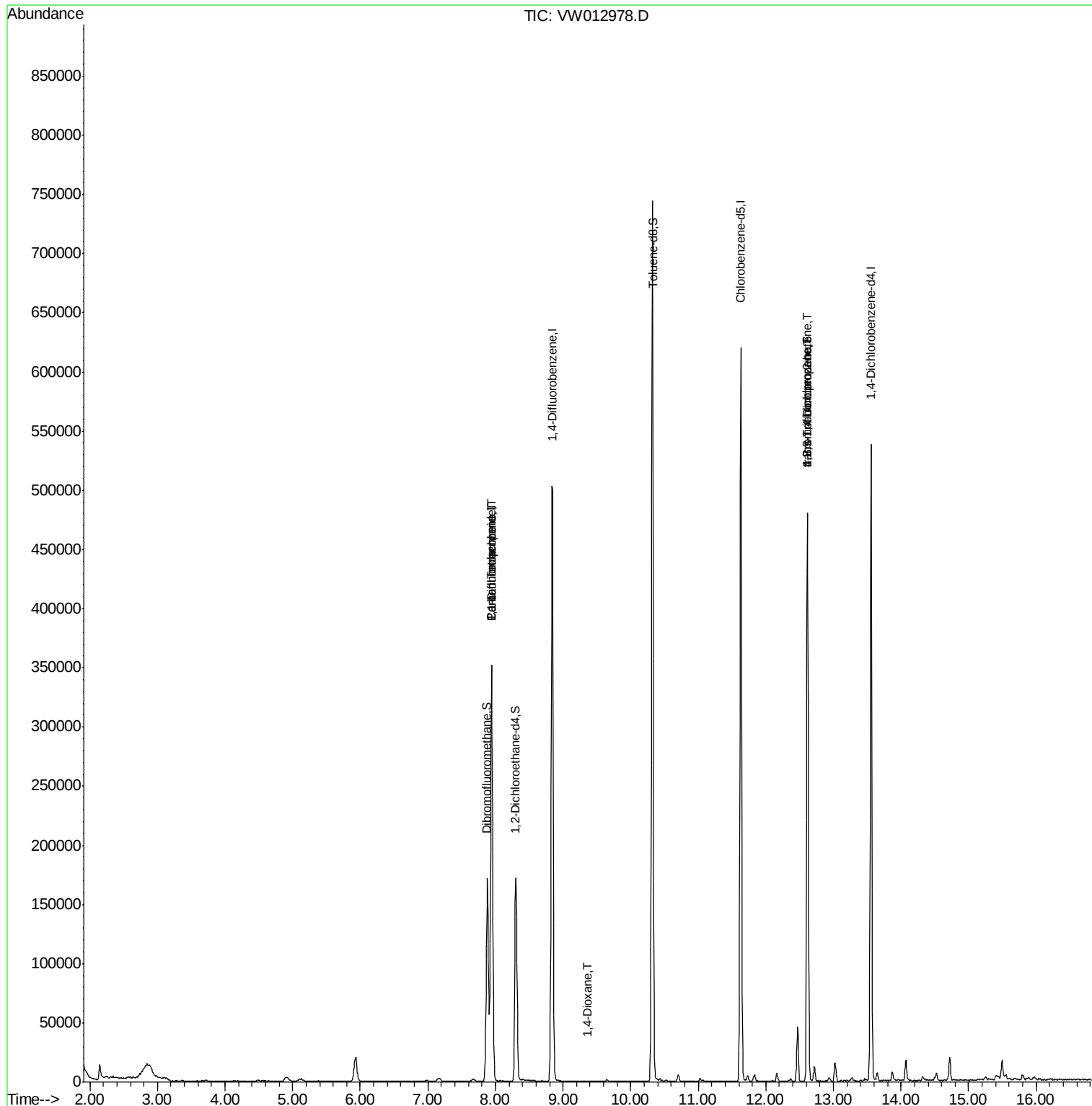
Target Compounds			Qvalue				
2) Dichlorodifluoromethane	2.01	85	35	Below Cal	#	44	
3) Chloromethane	2.21	50	76	Below Cal	#	12	
11) Tert butyl alcohol	5.12	59	2113	Below Cal	#	72	
13) Acrolein	3.92	56	40	Below Cal	#	15	
16) Acetone	4.15	43	673	Below Cal		91	
20) Methylene Chloride	4.90	84	1678	Below Cal	#	83	
26) 2,2-Dichloropropane	7.17	77	22	Below Cal	#	55	
31) Cyclohexane	7.95	56	5968	Below Cal	#	1	
36) 1,1-Dichloropropene	7.94	75	20346	6.195	ug/l #	53	
38) Carbon Tetrachloride	7.94	117	25062	7.446	ug/l #	15	
49) 1,4-Dioxane	9.35	88	20	1.023	ug/l #	20	
76) 1,2,3-Trichloropropane	12.62	75	79454	65.937	ug/l #	100	
81) trans-1,4-Dichloro-2-buten	12.62	75	79454	149.576	ug/l #	7	

(#) = 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: VW012978.D

Acq: 14 Sep 2019 02:34

Instrument :

MSVOA_W

ClientSampleId :

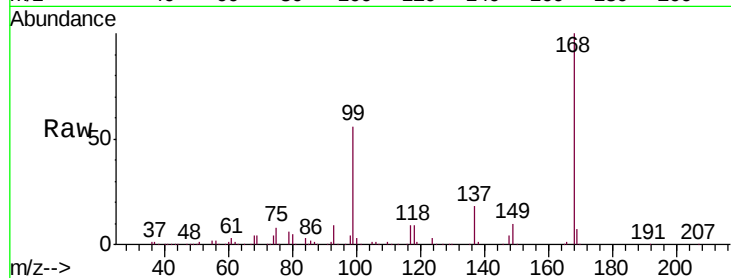
TP2

Tgt Ion: 168 Resp: 269382

Ion Ratio Lower Upper

168 100

99 56.4 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

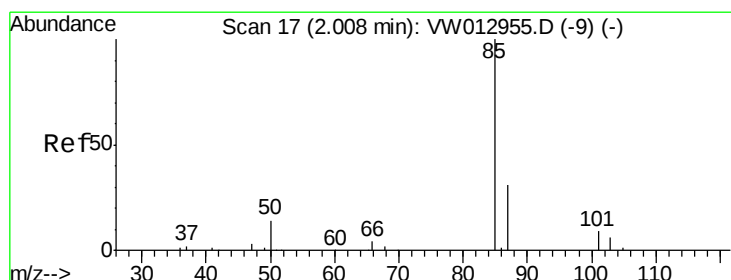
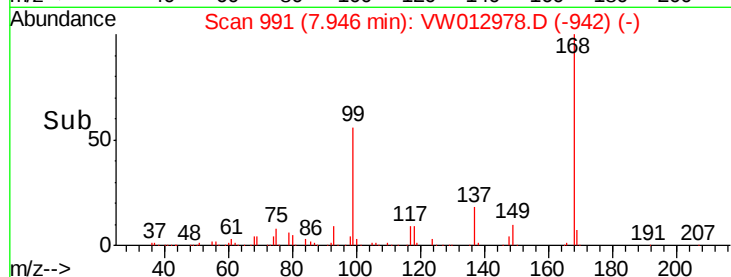
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW012978.D

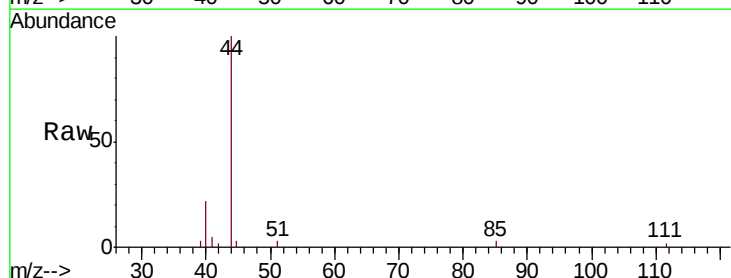
Acq: 14 Sep 2019 02:34

Tgt Ion: 85 Resp: 35

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

2.01

100

80

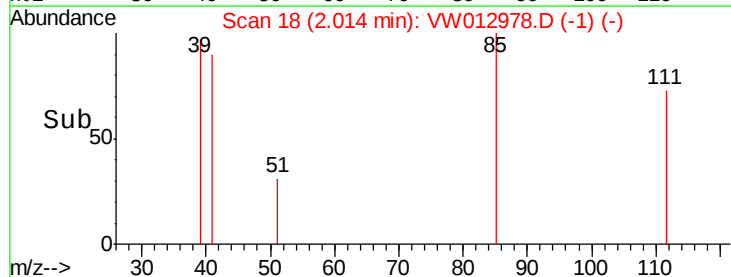
60

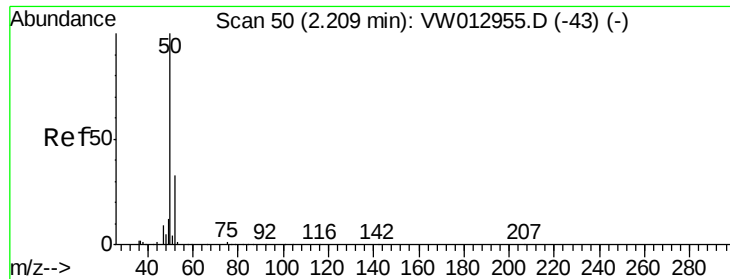
40

20

0

Time--> 1.99 2.00 2.01 2.02 2.03





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012978.D

Acq: 14 Sep 2019 02:34

Instrument :

MSVOA_W

ClientSampled :

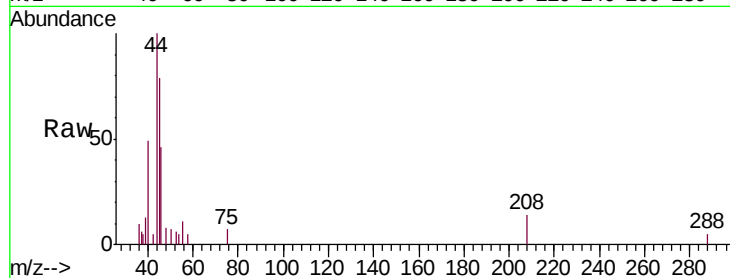
TP2

Tgt Ion: 50 Resp: 76

Ion Ratio Lower Upper

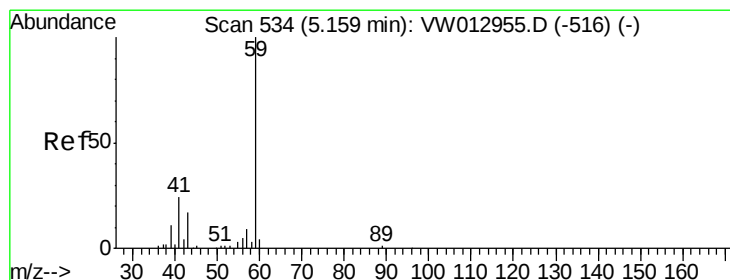
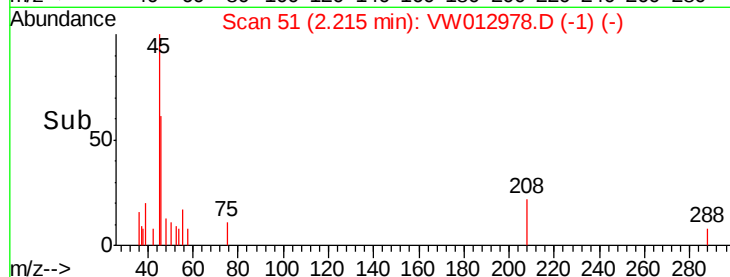
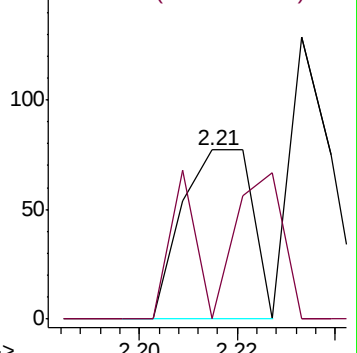
50 100

52 83.1 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW012978.D

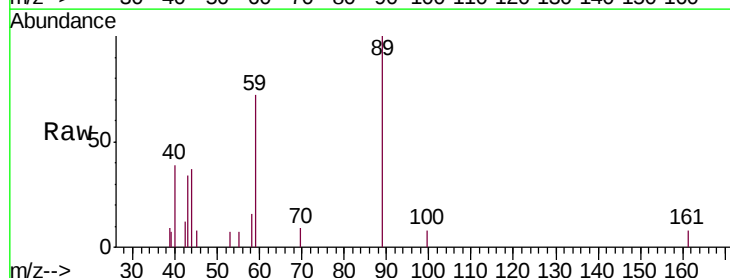
Acq: 14 Sep 2019 02:34

Tgt Ion: 59 Resp: 2113

Ion Ratio Lower Upper

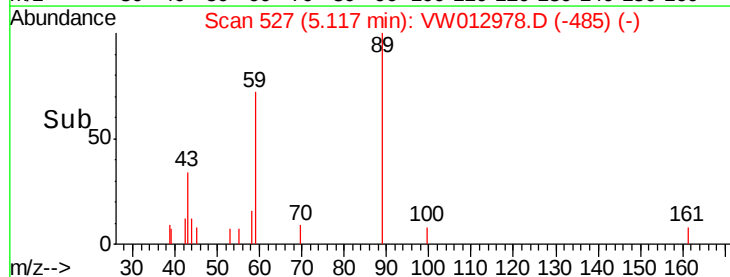
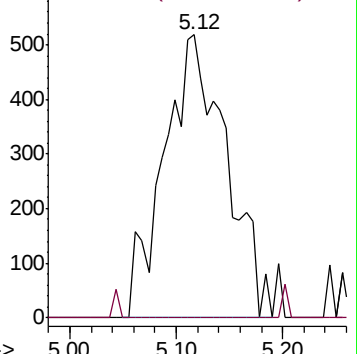
59 100

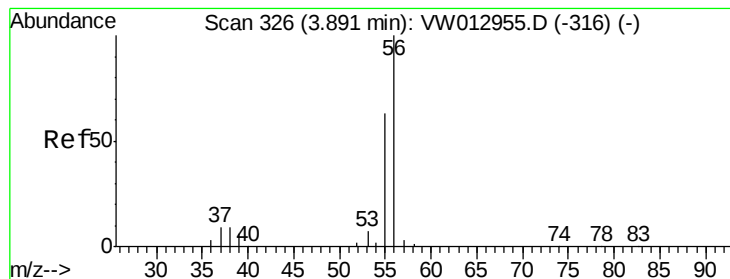
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.92 min Scan# 330

Delta R.T. 0.02 min

Lab File: VW012978.D

Acq: 14 Sep 2019 02:34

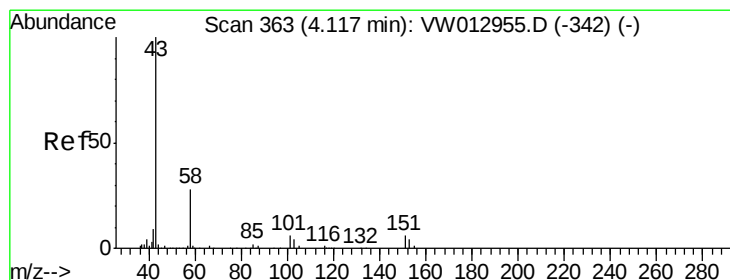
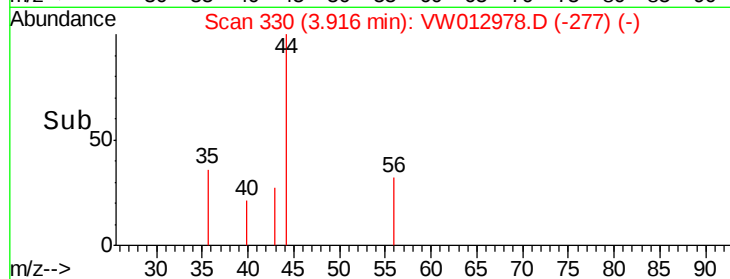
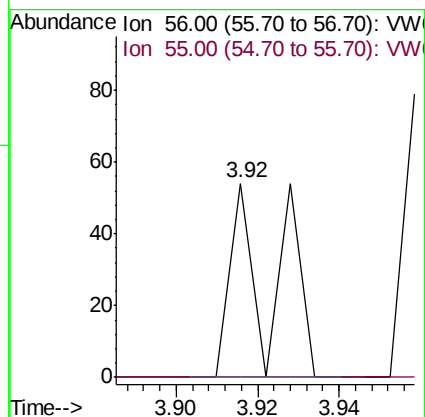
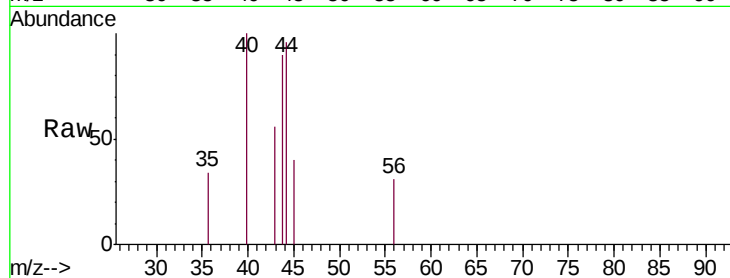
Instrument :
MSVOA_W
ClientSampled :
TP2

Tgt Ion: 56 Resp: 40

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW012978.D

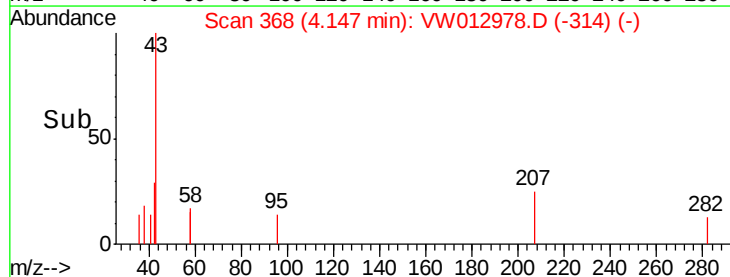
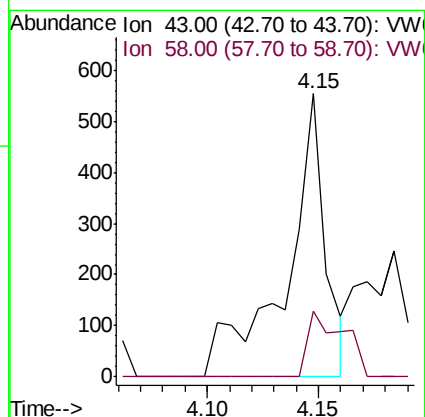
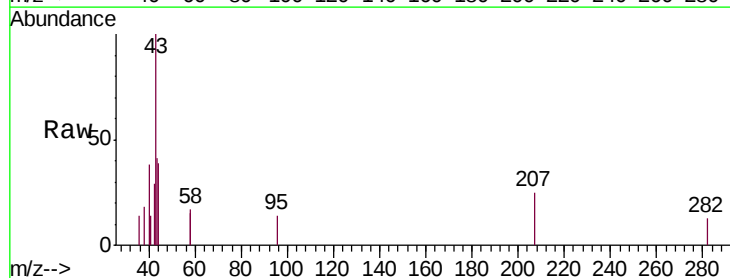
Acq: 14 Sep 2019 02:34

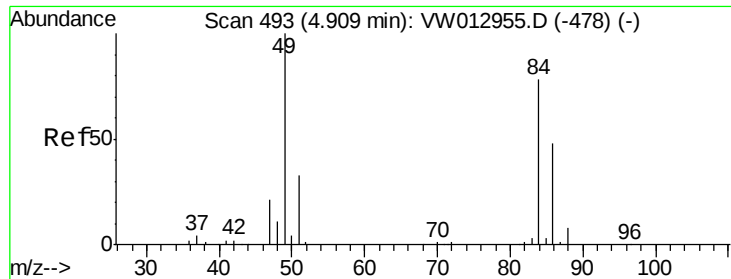
Tgt Ion: 43 Resp: 673

Ion Ratio Lower Upper

43 100

58 23.1 22.3 33.5

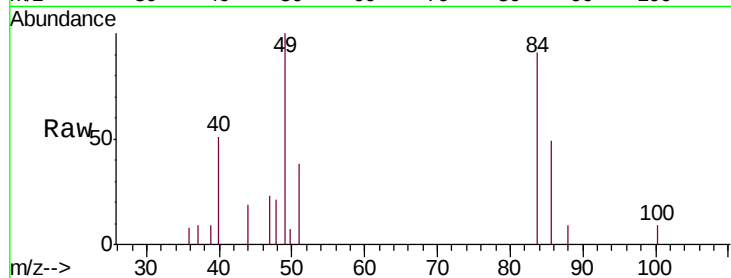




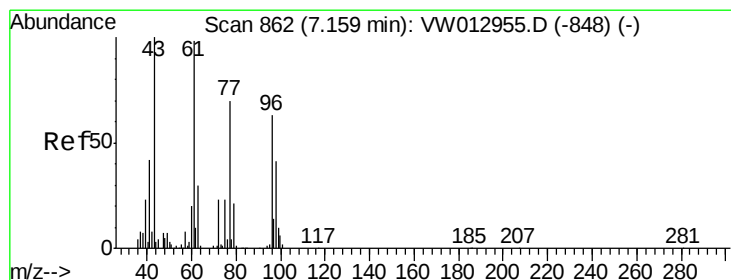
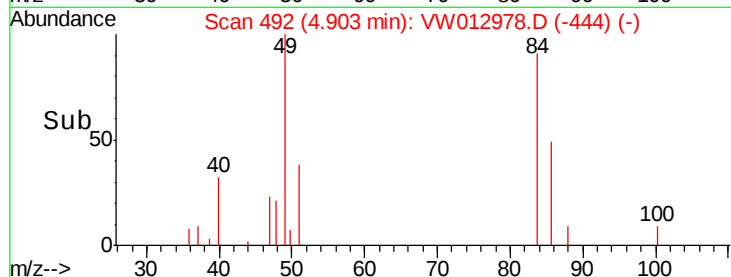
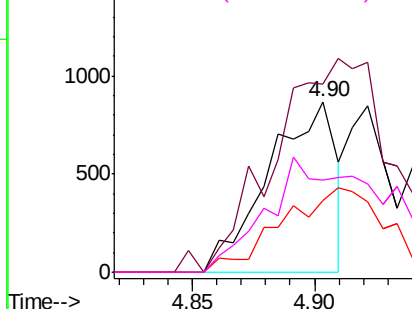
#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012978.D
Acq: 14 Sep 2019 02:34

Instrument :
MSVOA_W
ClientSampleId :
TP2

Tgt Ion: 84 Resp: 1678
Ion Ratio Lower Upper
84 100
49 97.9 102.0 153.0#
51 41.8 34.0 51.0
86 53.7 48.5 72.7

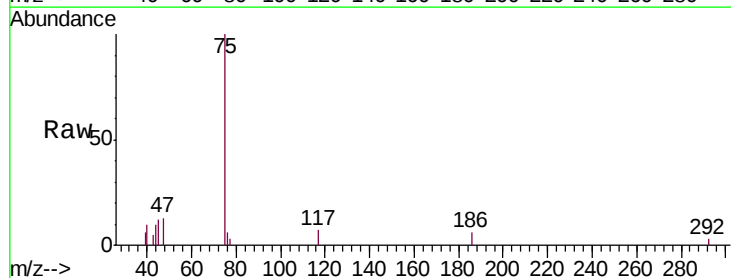


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

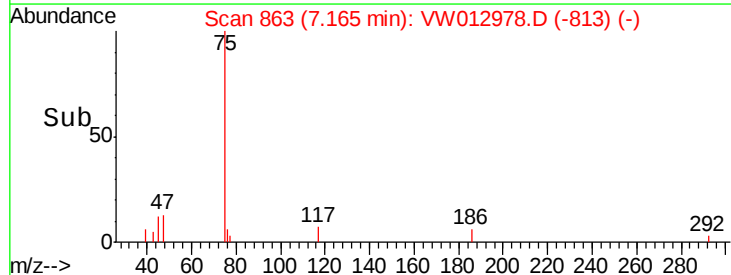
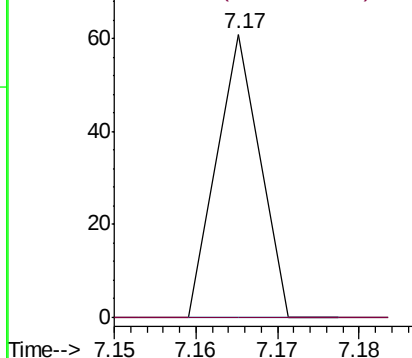


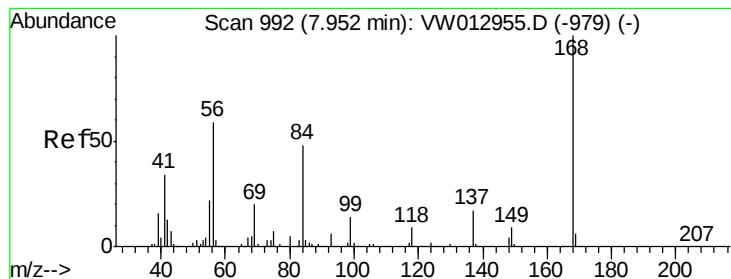
#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW012978.D
Acq: 14 Sep 2019 02:34

Tgt Ion: 77 Resp: 22
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012978.D

Acq: 14 Sep 2019 02:34

Instrument :

MSVOA_W

ClientSampled :

TP2

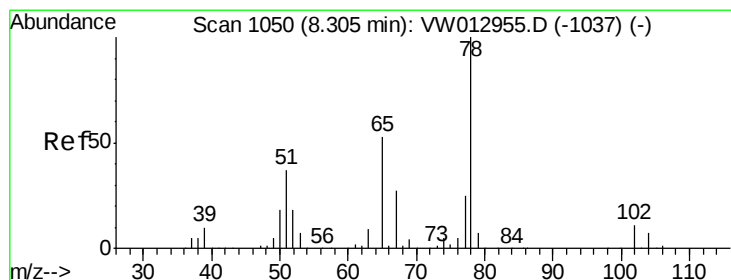
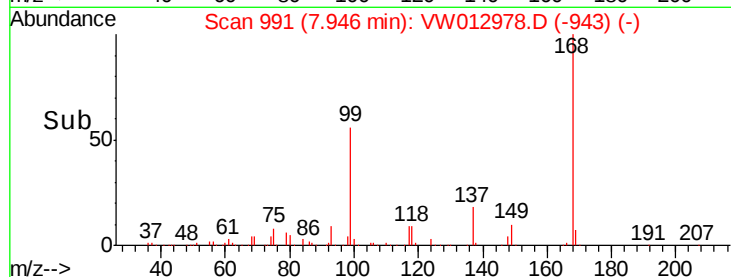
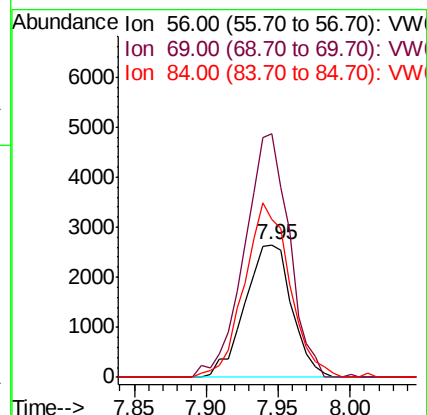
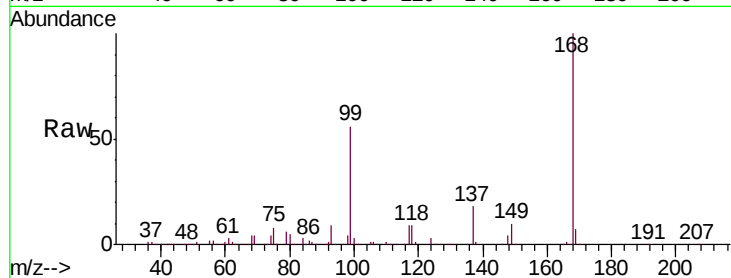
Tgt Ion: 56 Resp: 5968

Ion Ratio Lower Upper

56 100

69 183.3 27.0 40.6#

84 118.9 66.2 99.2#



#33

1,2-Dichloroethane-d4

Concen: 57.523 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012978.D

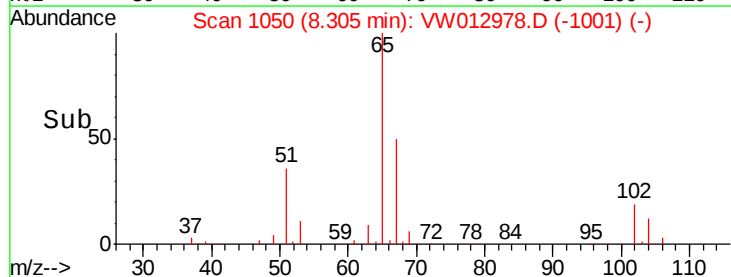
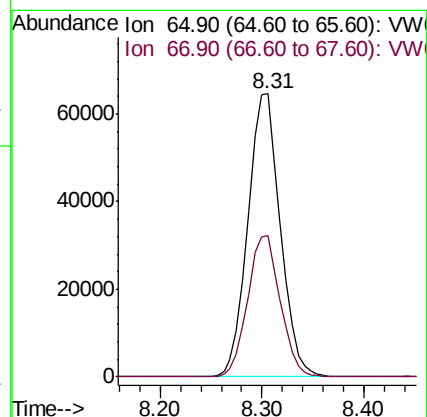
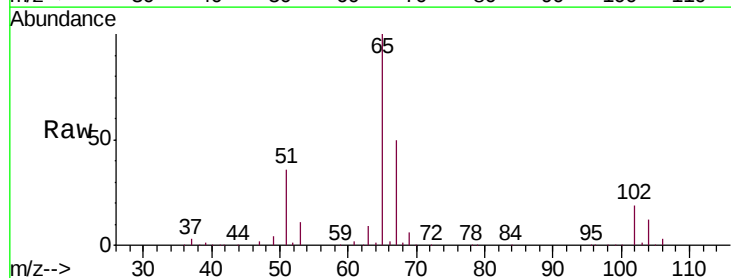
Acq: 14 Sep 2019 02:34

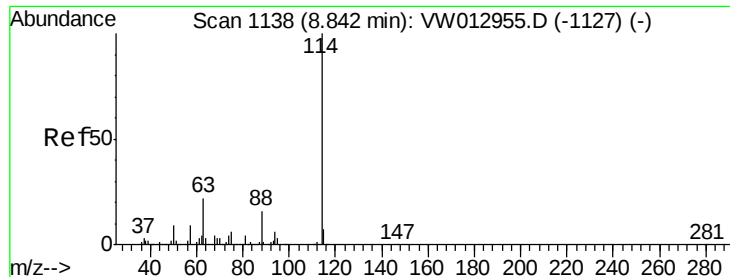
Tgt Ion: 65 Resp: 143113

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.2

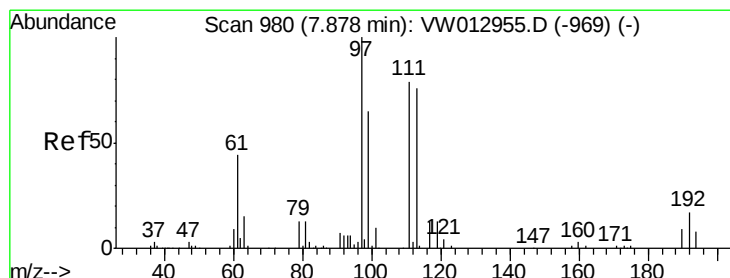
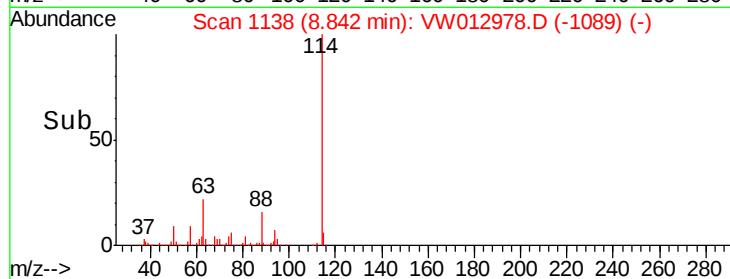
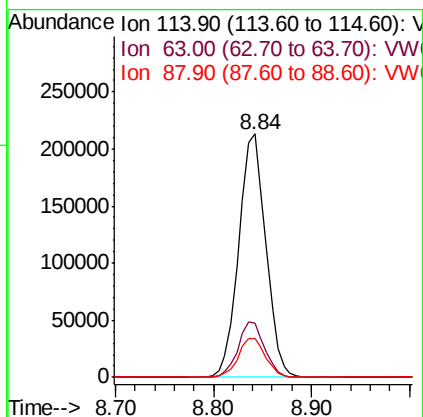
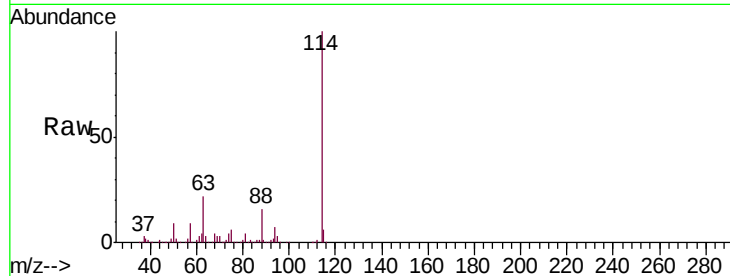




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012978.D
 Acq: 14 Sep 2019 02:34

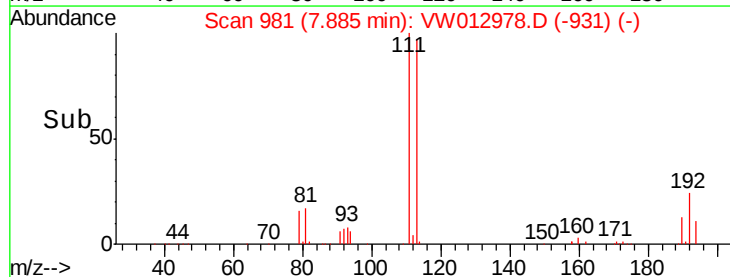
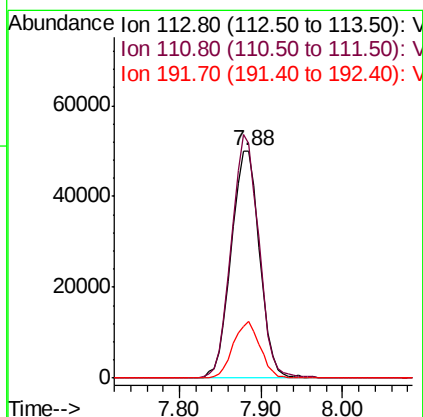
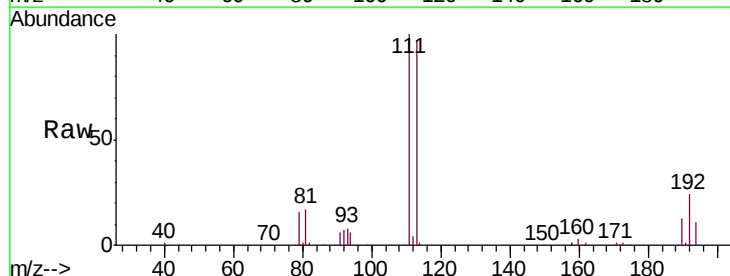
Instrument :
 MSVOA_W
 ClientSampled :
 TP2

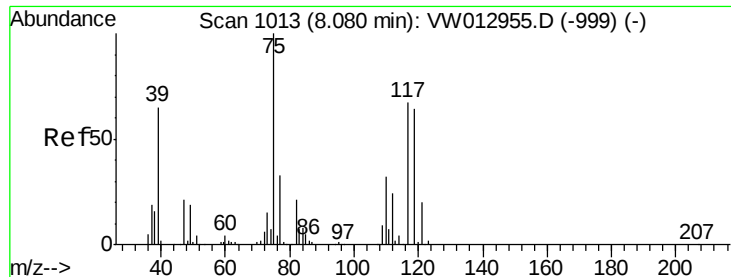
Tgt Ion:114 Resp: 411023
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.4
 88 16.0 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 53.807 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW012978.D
 Acq: 14 Sep 2019 02:34

Tgt Ion:113 Resp: 120003
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.8 124.2
 192 23.5 17.8 26.8

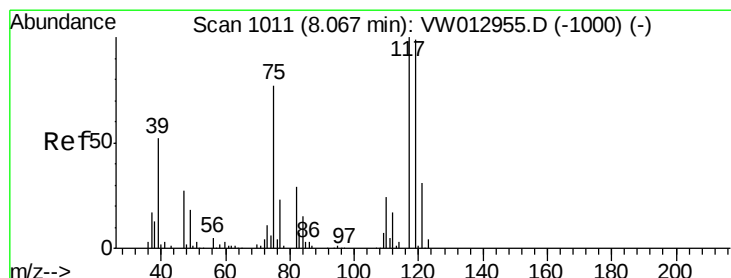
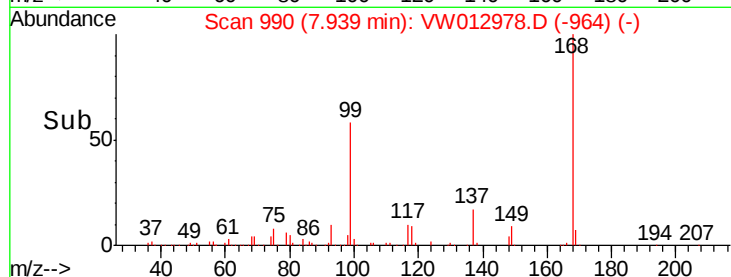
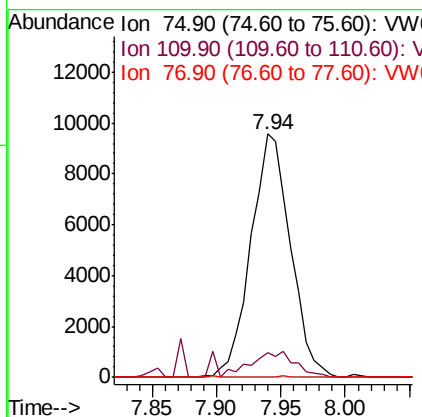
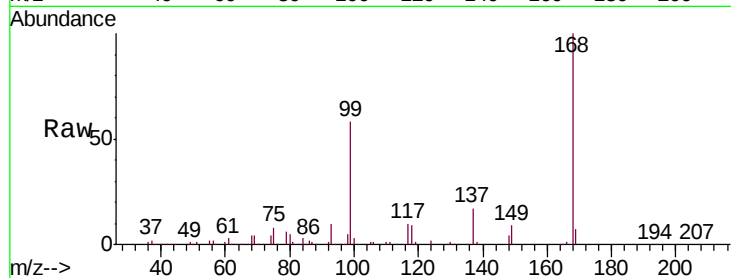




#36
 1,1-Dichloropropene
 Concen: 6.195 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012978.D
 Acq: 14 Sep 2019 02:34

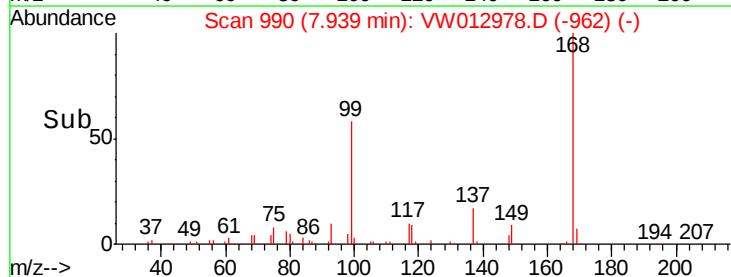
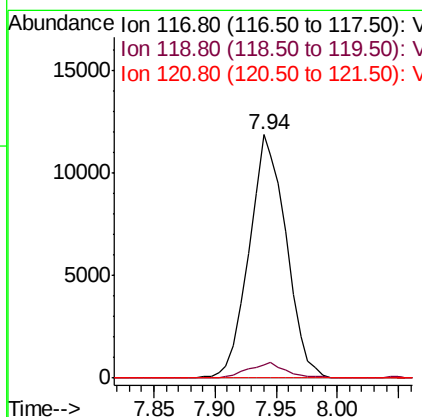
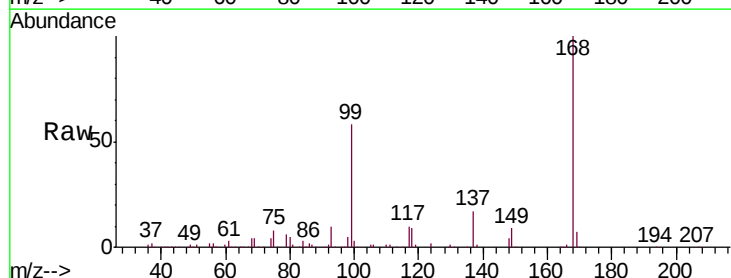
Instrument :
 MSVOA_W
 ClientSampleId :
 TP2

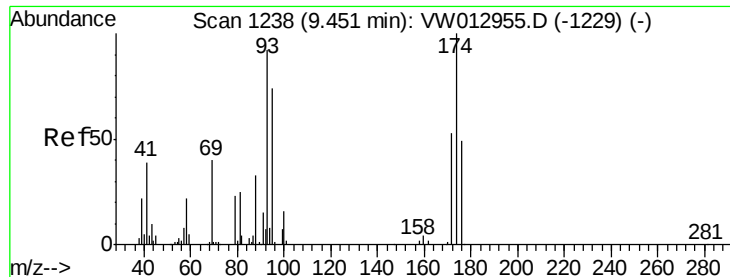
Tgt Ion: 75 Resp: 20346
 Ion Ratio Lower Upper
 75 100
 110 11.2 16.4 49.1#
 77 0.1 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.446 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012978.D
 Acq: 14 Sep 2019 02:34

Tgt Ion: 117 Resp: 25062
 Ion Ratio Lower Upper
 117 100
 119 5.6 79.4 119.0#
 121 0.0 24.6 36.8#





#49

1,4-Dioxane

Concen: 1.023 ug/l

RT: 9.35 min Scan# 1221

Delta R.T. -0.10 min

Lab File: VW012978.D

Acq: 14 Sep 2019 02:34

Instrument :
MSVOA_W
ClientSampleId :
TP2

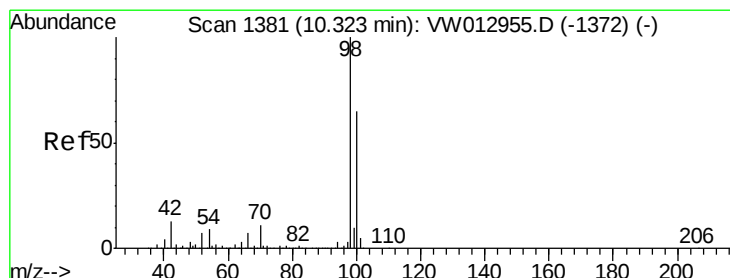
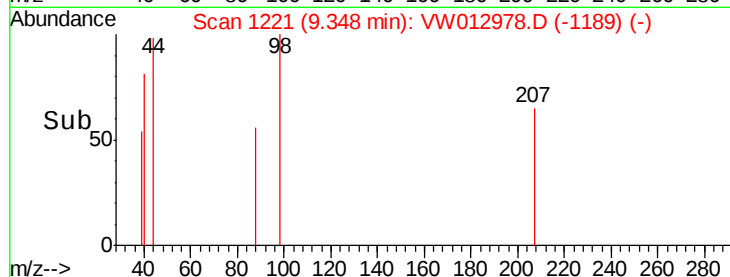
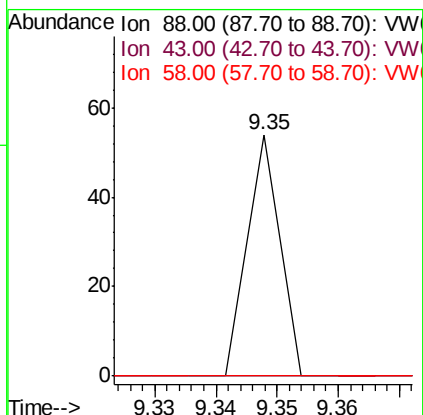
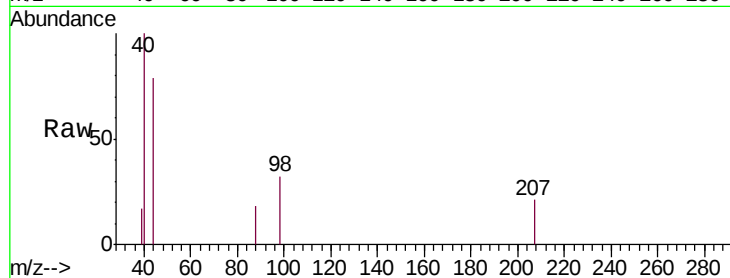
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

58 0.0 60.2 90.2#



#50

Toluene-d8

Concen: 55.088 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012978.D

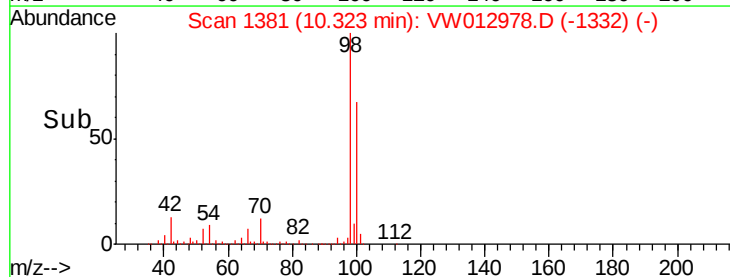
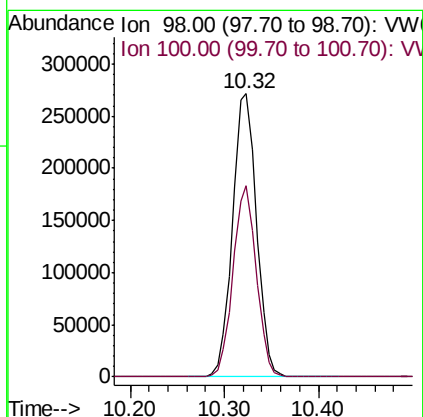
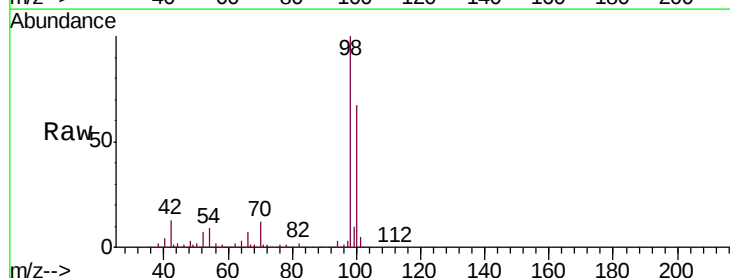
Acq: 14 Sep 2019 02:34

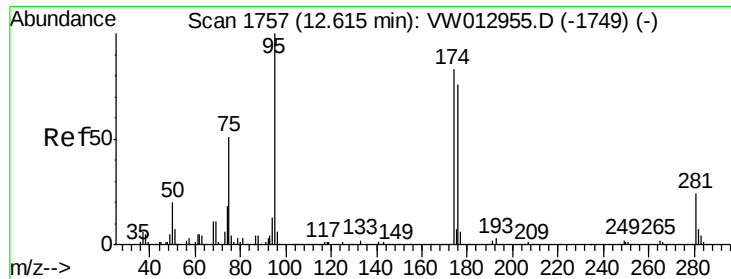
Tgt Ion: 98 Resp: 480769

Ion Ratio Lower Upper

98 100

100 65.5 52.1 78.1

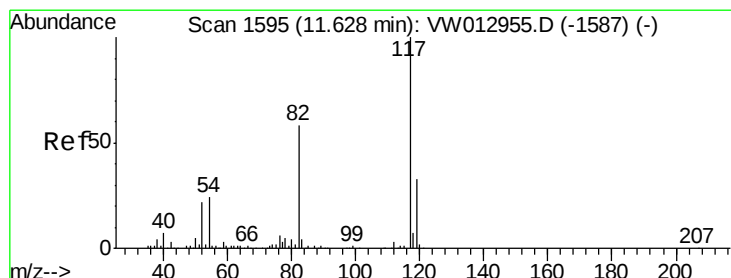
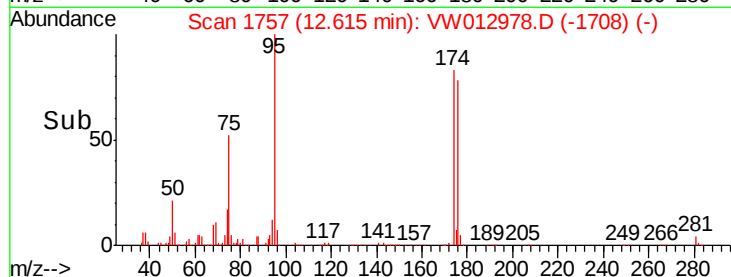
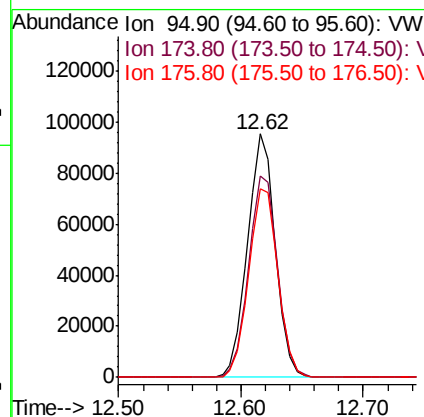
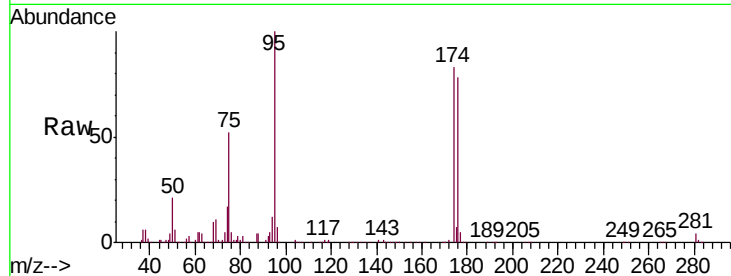




#62
4-Bromofluorobenzene
Concen: 47.831 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012978.D
Acq: 14 Sep 2019 02:34

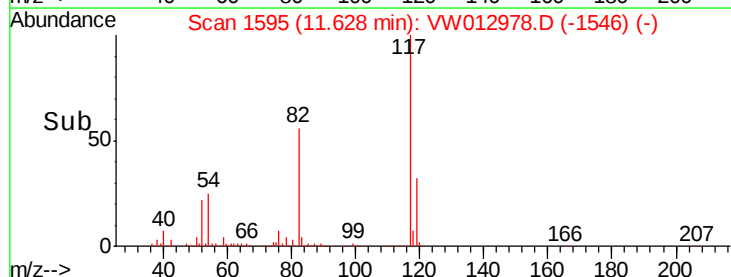
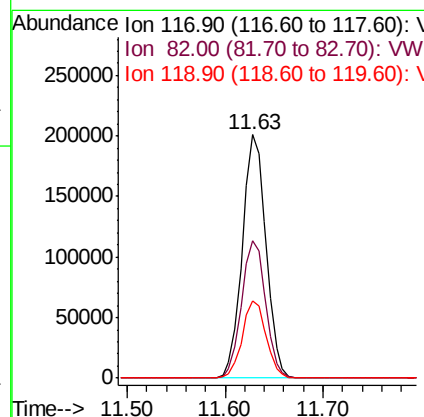
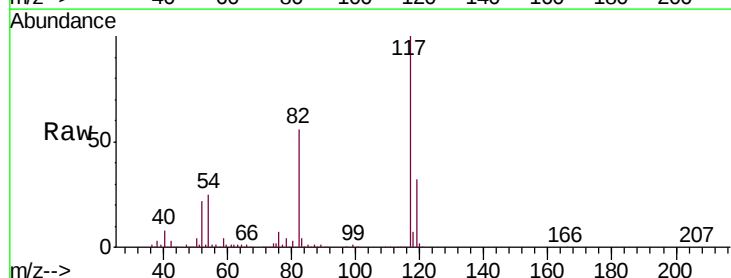
Instrument :
MSVOA_W
ClientSampleId :
TP2

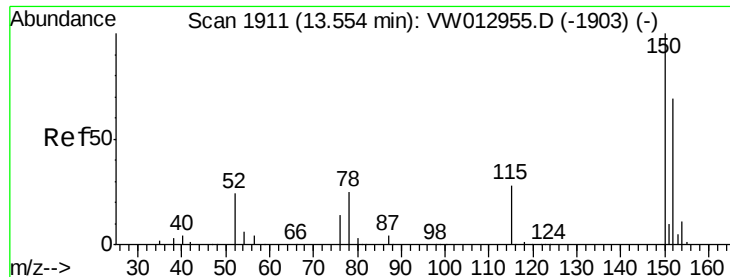
Tgt Ion: 95 Resp: 150099
Ion Ratio Lower Upper
95 100
174 86.6 0.0 170.4
176 81.9 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW012978.D
Acq: 14 Sep 2019 02:34

Tgt Ion: 117 Resp: 338328
Ion Ratio Lower Upper
117 100
82 56.4 46.3 69.5
119 31.9 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: VW012978.D

Acq: 14 Sep 2019 02:34

Instrument :

MSVOA_W

ClientSampleId :

TP2

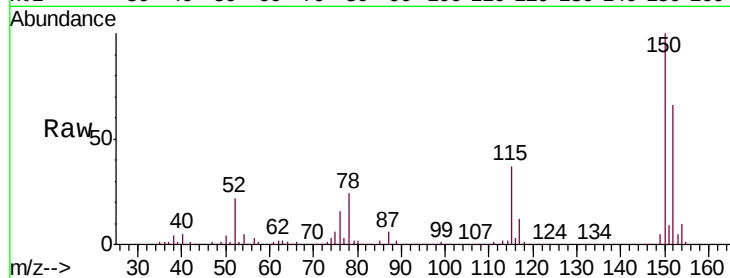
Tgt Ion:152 Resp: 137570

Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.4

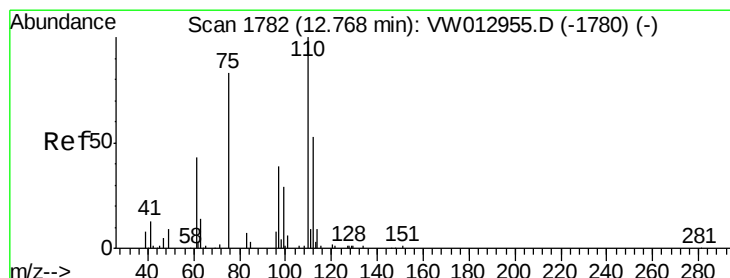
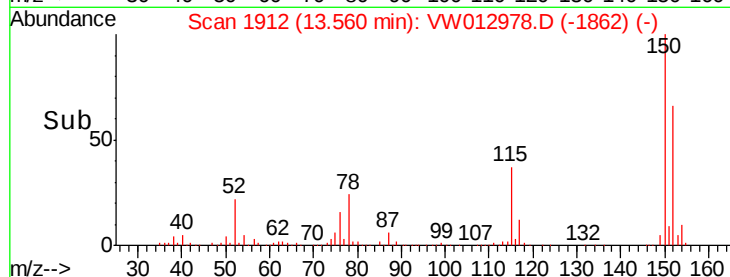
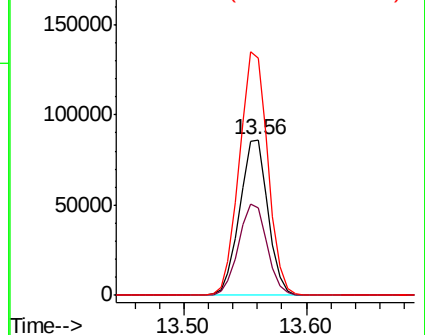
150 157.7 0.0 340.2



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: 65.937 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012978.D

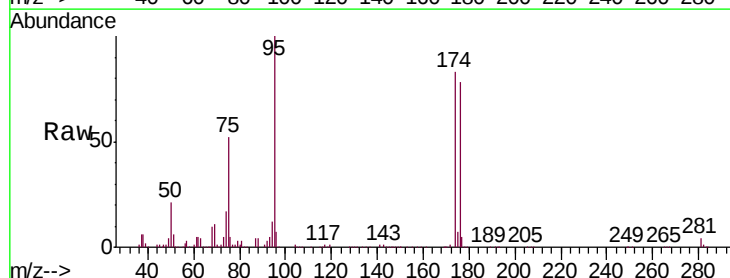
Acq: 14 Sep 2019 02:34

Tgt Ion: 75 Resp: 79454

Ion Ratio Lower Upper

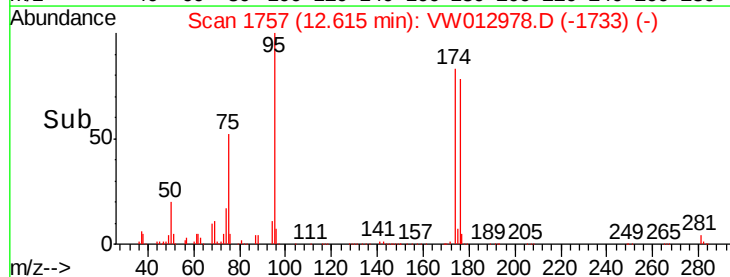
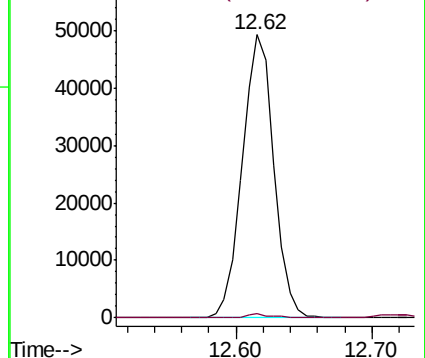
75 100

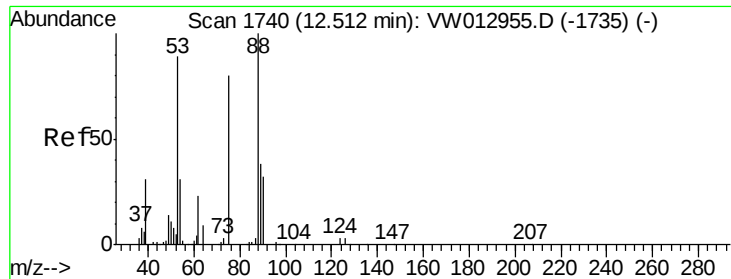
77 1.3 0.0 0.0#



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: 149.576 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012978.D

Acq: 14 Sep 2019 02:34

Instrument :

MSVOA_W

ClientSampleId :

TP2

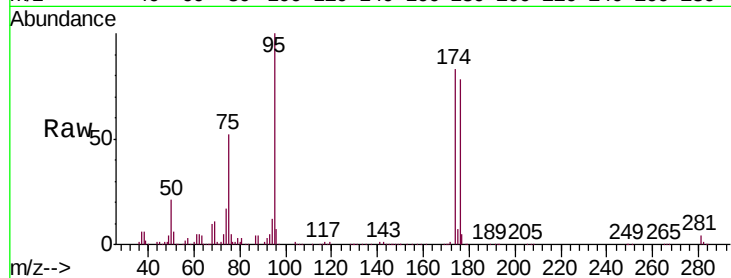
Tgt Ion: 75 Resp: 79454

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

