

Data File : VW013139.D
Acq On : 19 Sep 2019 04:06
Operator : SY/VA
Sample : K4924-13
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-44-11.5-12.0

Quant Time: Sep 19 08:04:21 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	411742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	611244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	503647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217118	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	167512	44.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.10%	
35) Dibromofluoromethane	7.88	113	167383	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.32	98	708557	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
62) 4-Bromofluorobenzene	12.62	95	216212	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	

Target Compounds

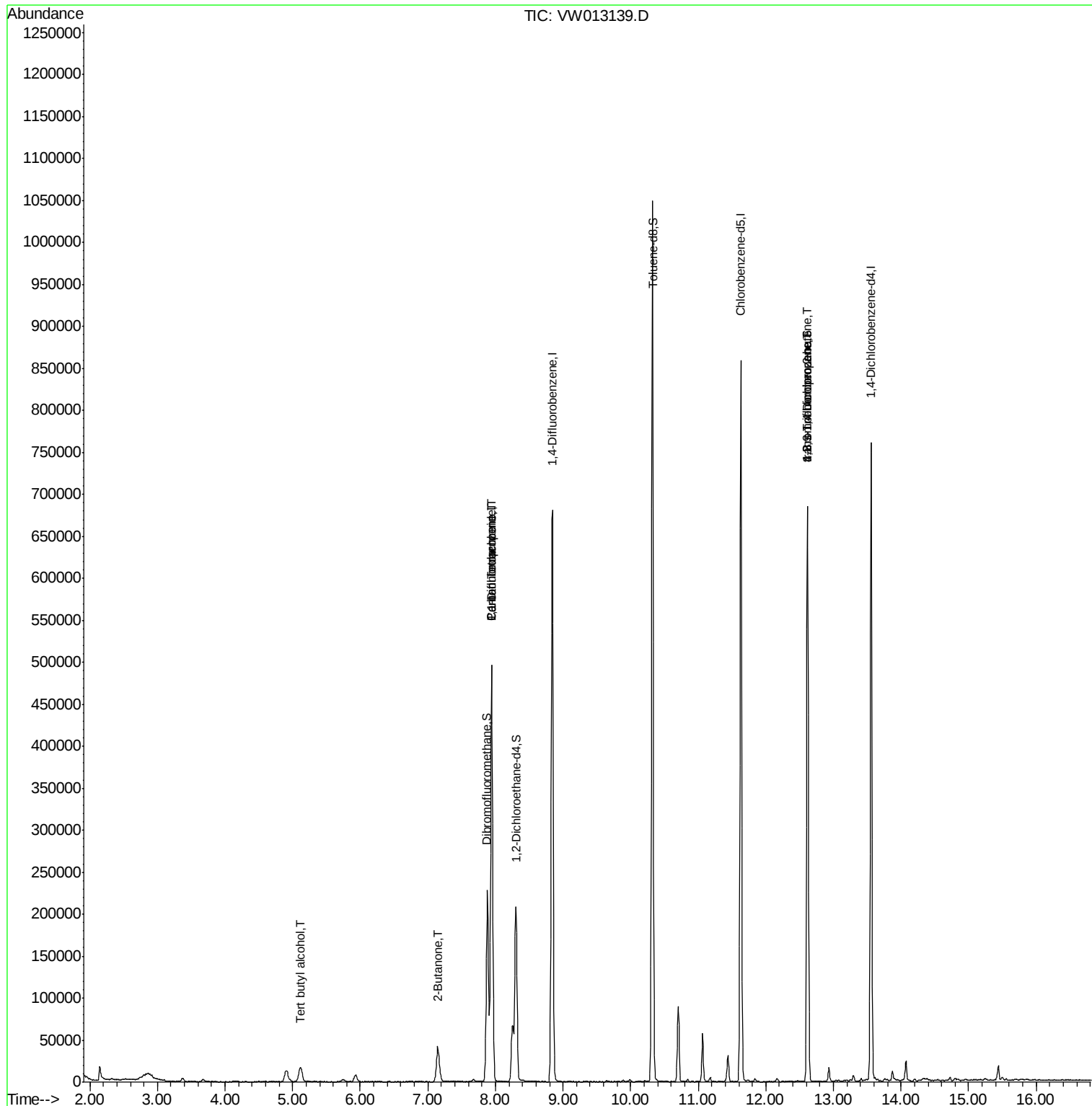
						Qvalue
2) Dichlorodifluoromethane	2.01	85	565	Below Cal		93
3) Chloromethane	2.21	50	289	Below Cal		95
11) Tert butyl alcohol	5.11	59	17081	49.349 ug/l #		74
16) Acetone	4.14	43	2598	Below Cal		94
20) Methylene Chloride	4.91	84	10324	Below Cal		94
25) 2-Butanone	7.15	43	2499	2.067 ug/l #		53
26) 2,2-Dichloropropane	7.15	77	3332	Below Cal #		55
31) Cyclohexane	7.94	56	7352	Below Cal #		1
36) 1,1-Dichloropropene	7.94	75	26826	5.492 ug/l #		49
38) Carbon Tetrachloride	7.95	117	35372	7.067 ug/l #		14
76) 1,2,3-Trichloropropane	12.62	75	104451	54.923 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.62	75	104451	124.591 ug/l #		7

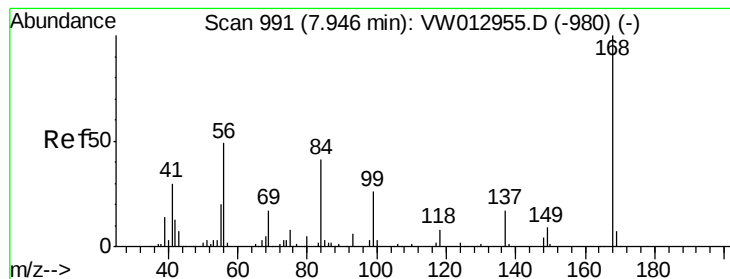
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013139.D

Acq: 19 Sep 2019 04:06

Instrument :

MSVOA_W

ClientSampleId :

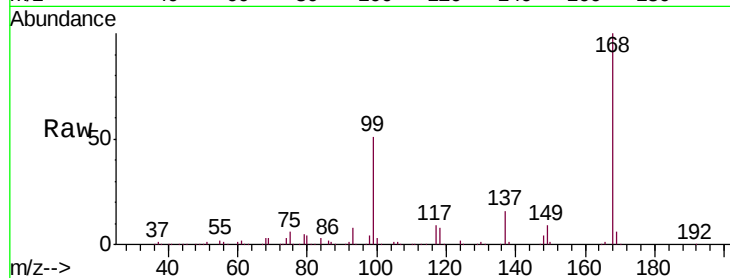
SB-44-11.5-12.0

Tgt Ion:168 Resp: 411742

Ion Ratio Lower Upper

168 100

99 50.8 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

200000

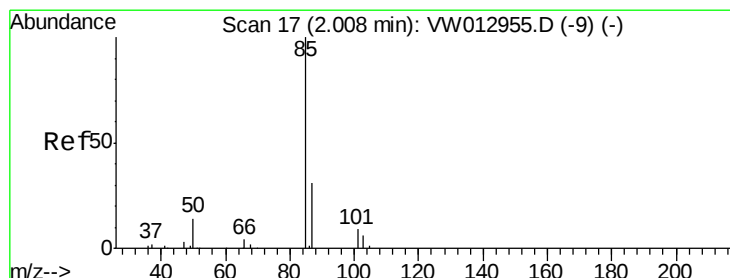
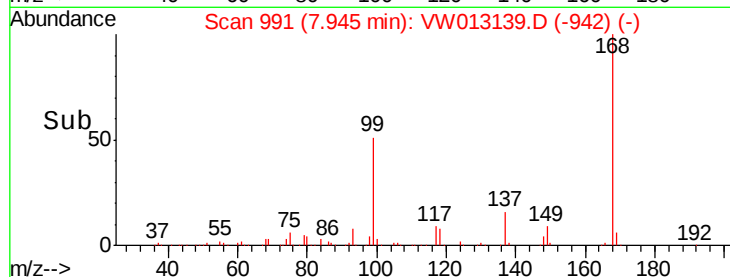
150000

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: VW013139.D

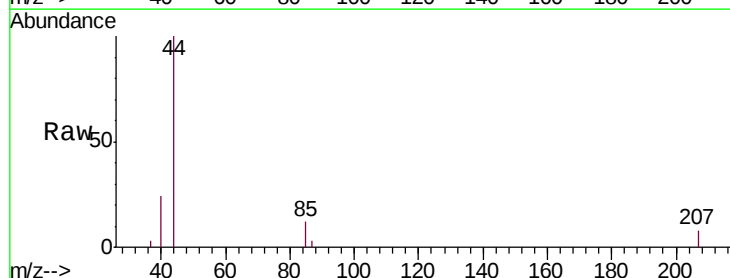
Acq: 19 Sep 2019 04:06

Tgt Ion: 85 Resp: 565

Ion Ratio Lower Upper

85 100

87 27.1 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

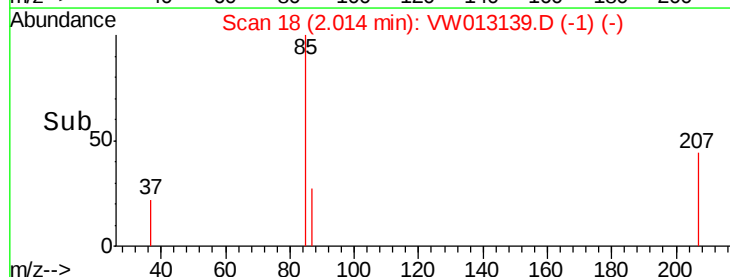
300

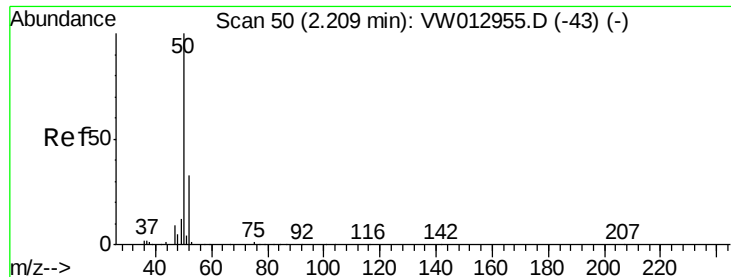
200

100

0

Time--> 1.95 2.00 2.05





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013139.D

Acq: 19 Sep 2019 04:06

Instrument :

MSVOA_W

ClientSampleId :

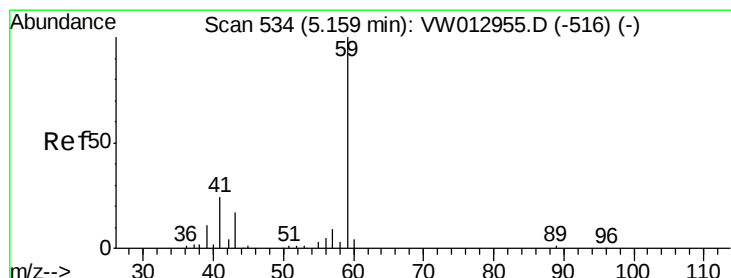
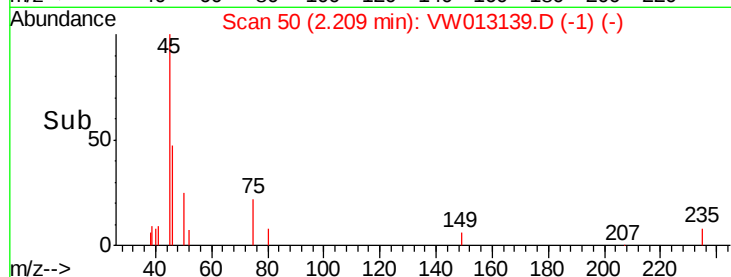
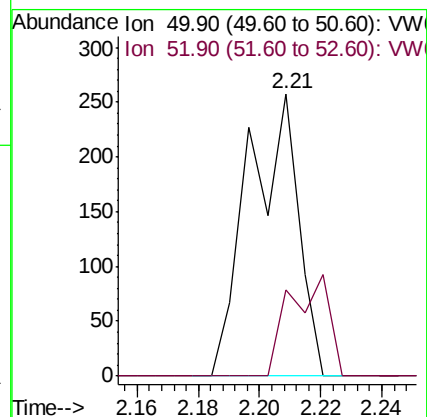
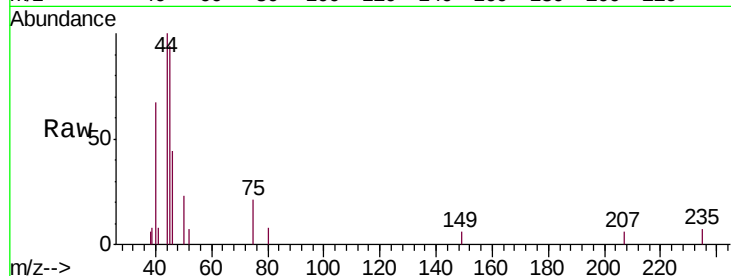
SB-44-11.5-12.0

Tgt Ion: 50 Resp: 289

Ion Ratio Lower Upper

50 100

52 30.2 26.6 39.8



#11

Tert butyl alcohol

Concen: 49.349 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW013139.D

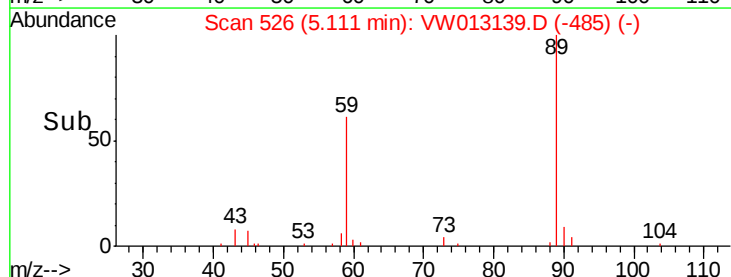
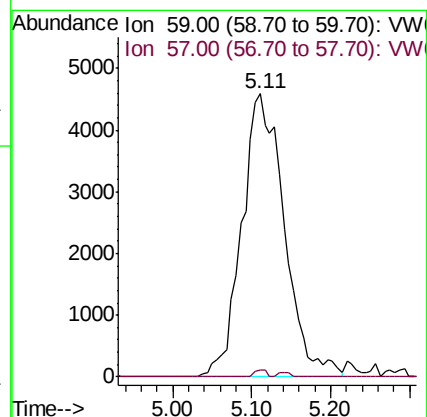
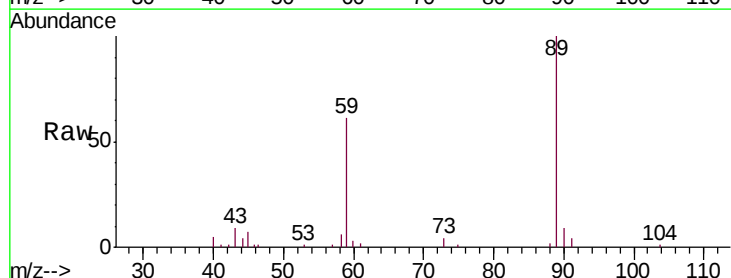
Acq: 19 Sep 2019 04:06

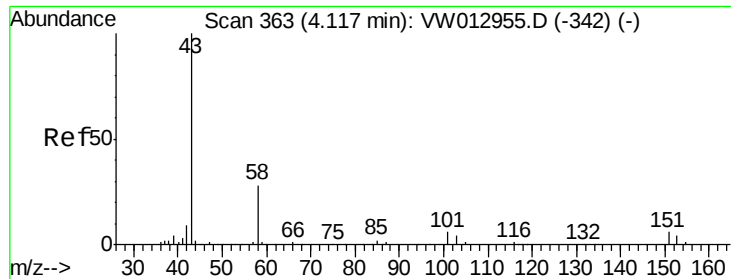
Tgt Ion: 59 Resp: 17081

Ion Ratio Lower Upper

59 100

57 0.6 8.5 12.7#

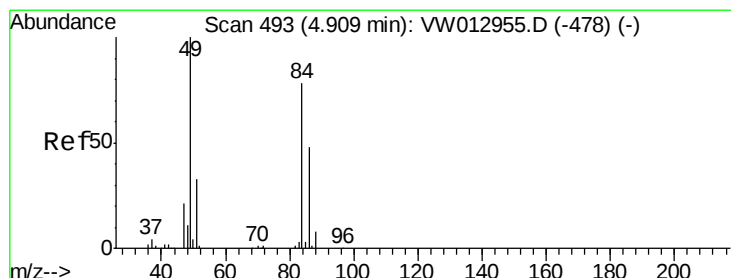
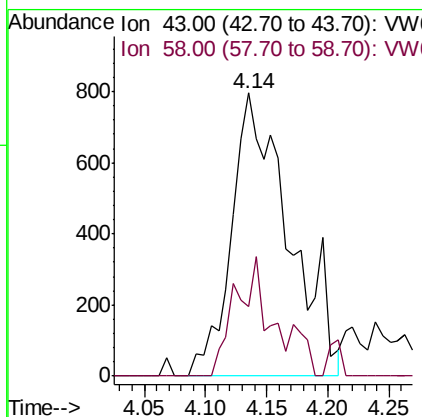
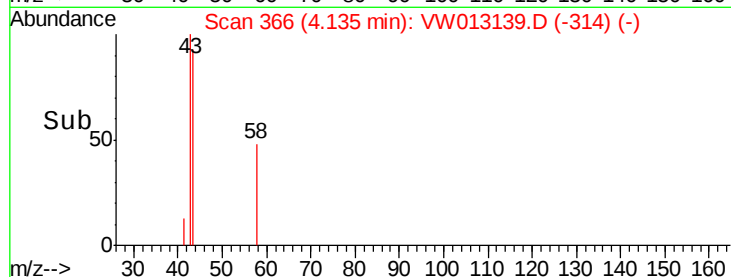
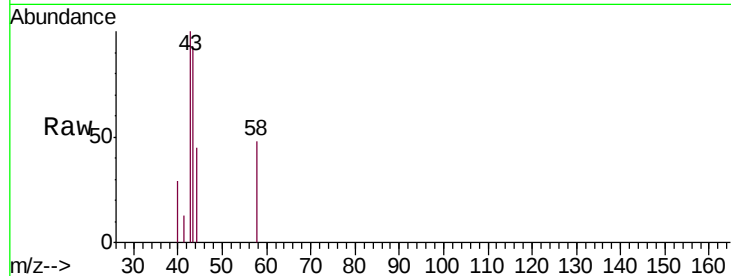




#16
Acetone
Concen: Below Cal
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW013139.D
Acq: 19 Sep 2019 04:06

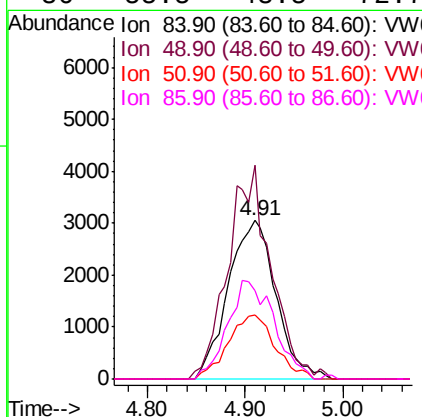
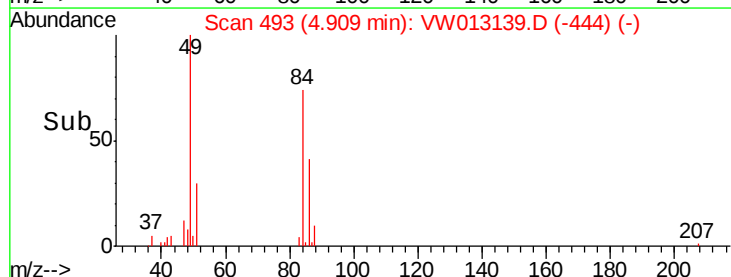
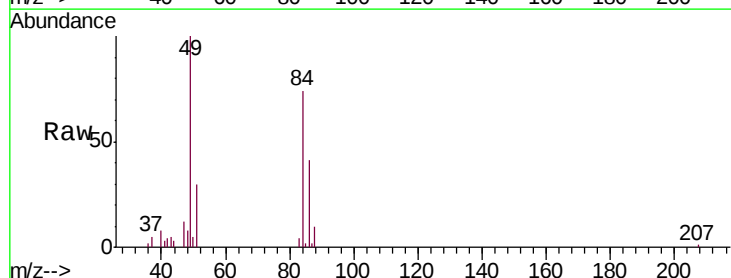
Instrument :
MSVOA_W
ClientSampleId :
SB-44-11.5-12.0

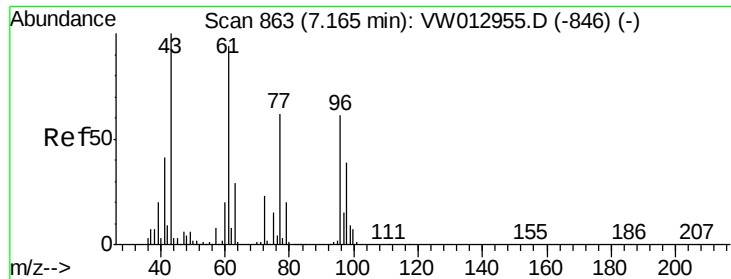
Tgt Ion: 43 Resp: 2598
Ion Ratio Lower Upper
43 100
58 24.6 22.3 33.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013139.D
Acq: 19 Sep 2019 04:06

Tgt Ion: 84 Resp: 10324
Ion Ratio Lower Upper
84 100
49 135.0 102.0 153.0
51 40.8 34.0 51.0
86 55.5 48.5 72.7





#25

2-Butanone

Concen: 2.067 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013139.D

Acq: 19 Sep 2019 04:06

Instrument :

MSVOA_W

ClientSampleId :

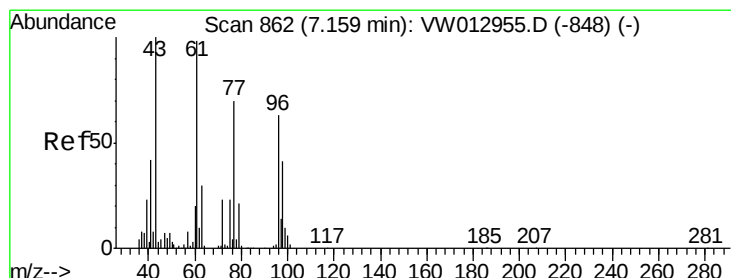
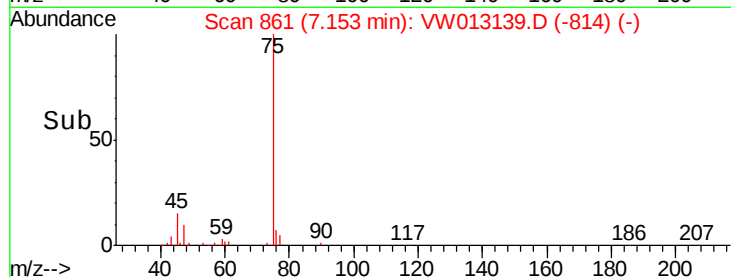
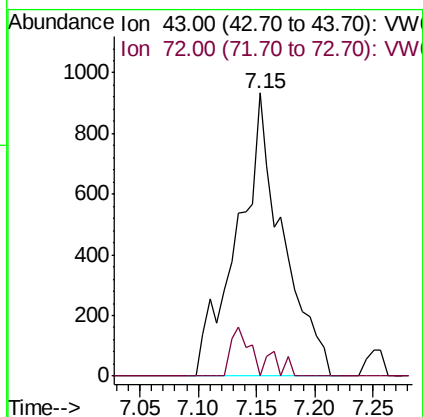
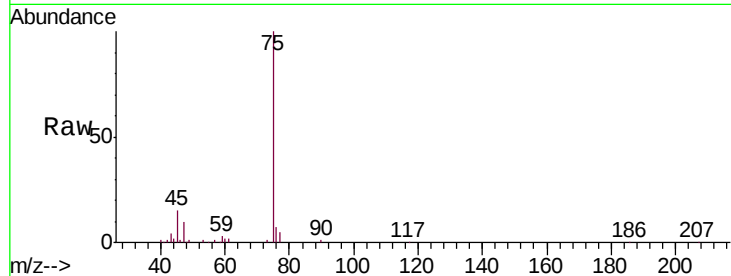
SB-44-11.5-12.0

Tgt Ion: 43 Resp: 2499

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013139.D

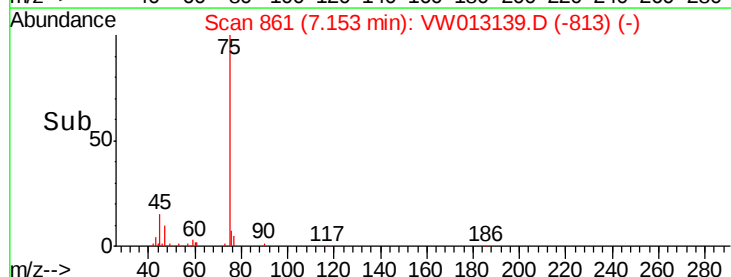
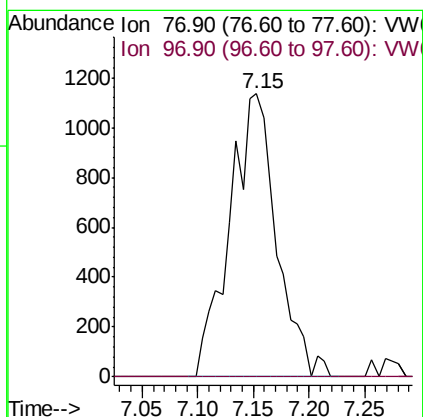
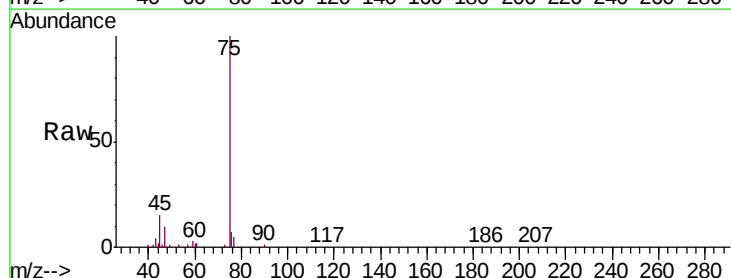
Acq: 19 Sep 2019 04:06

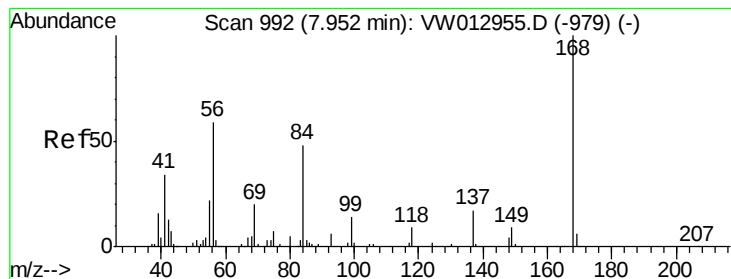
Tgt Ion: 77 Resp: 3332

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013139.D

Acq: 19 Sep 2019 04:06

Instrument :

MSVOA_W

ClientSampleId :

SB-44-11.5-12.0

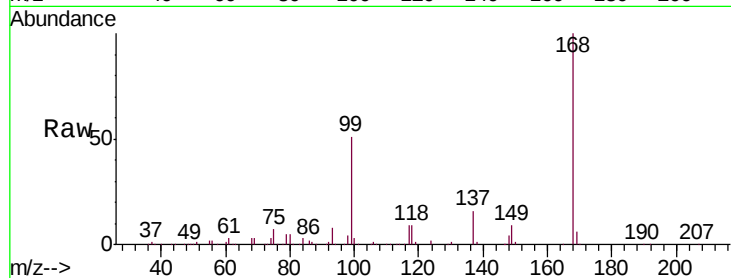
Tgt Ion: 56 Resp: 7352

Ion Ratio Lower Upper

56 100

69 172.0 27.0 40.6#

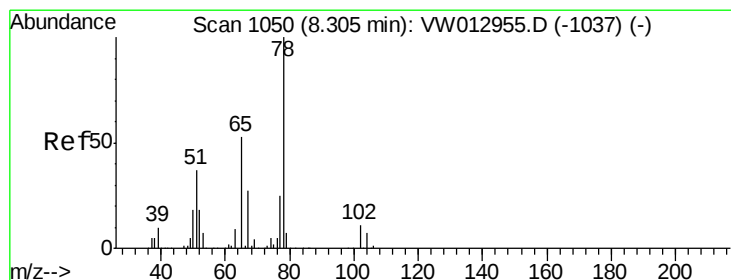
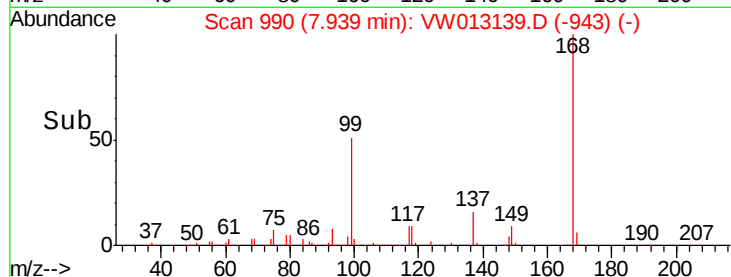
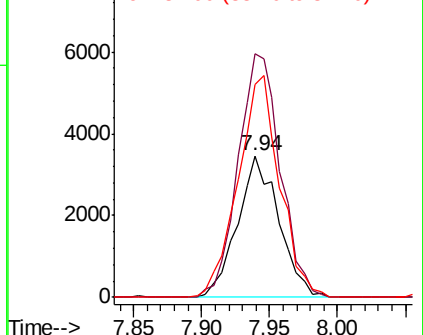
84 150.1 66.2 99.2#



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: 44.050 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013139.D

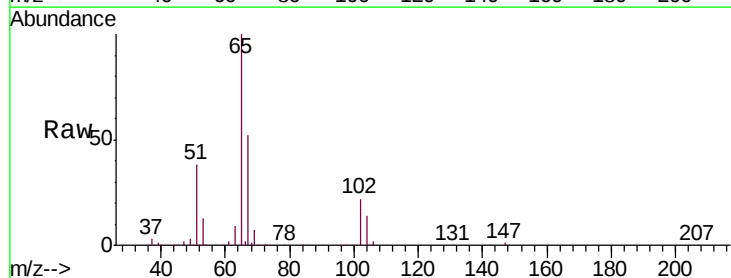
Acq: 19 Sep 2019 04:06

Tgt Ion: 65 Resp: 167512

Ion Ratio Lower Upper

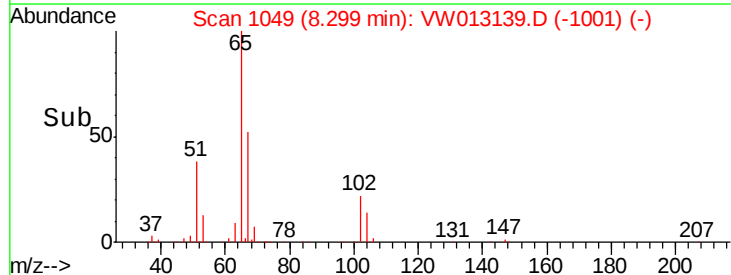
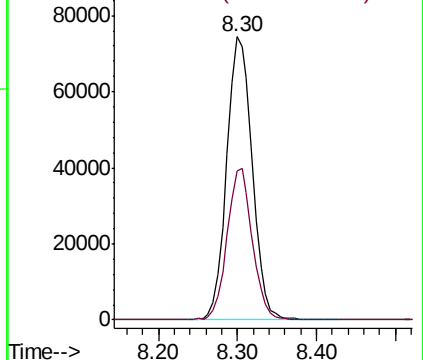
65 100

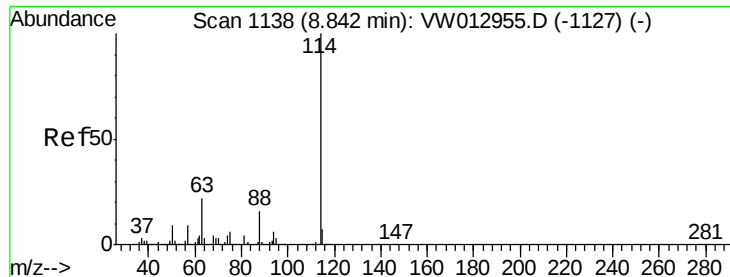
67 52.8 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

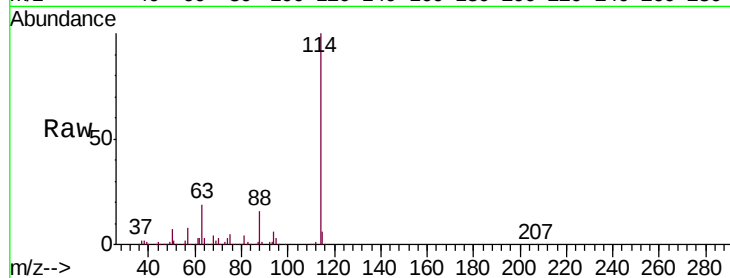




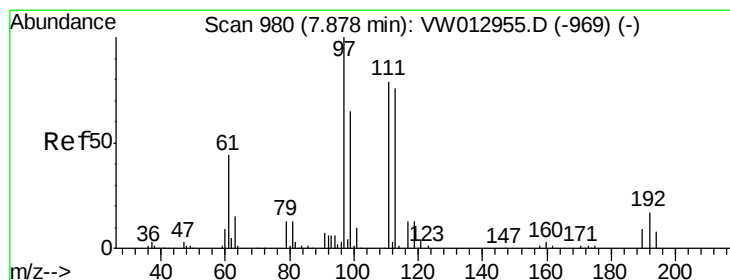
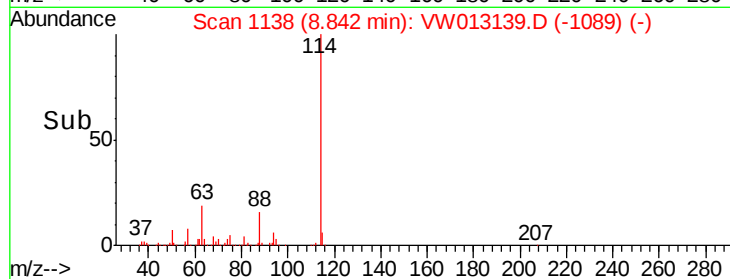
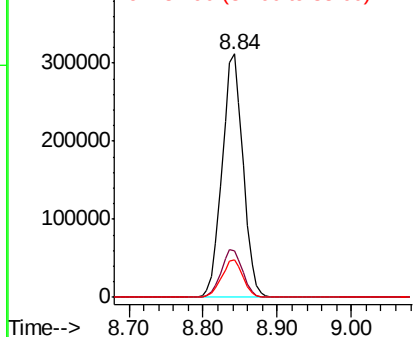
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013139.D
 Acq: 19 Sep 2019 04:06

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-44-11.5-12.0

Tgt Ion:114 Resp: 611244
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 43.4
 88 15.5 0.0 31.6

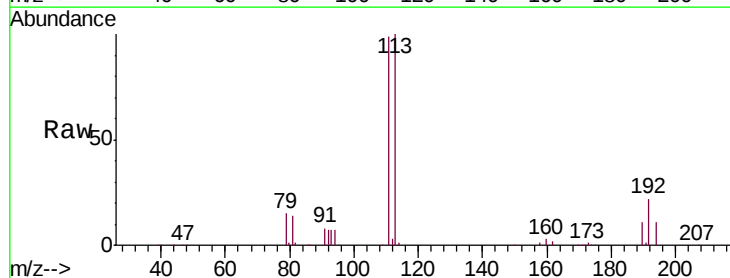


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

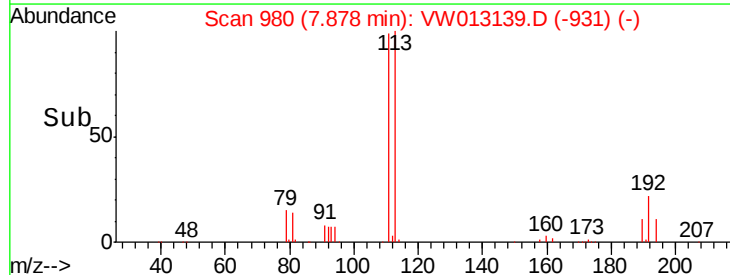
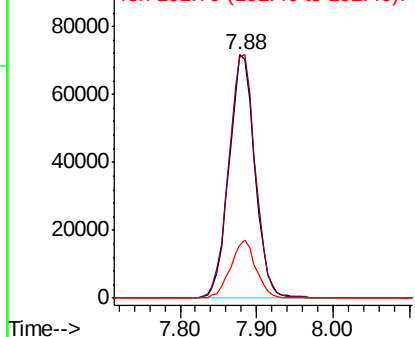


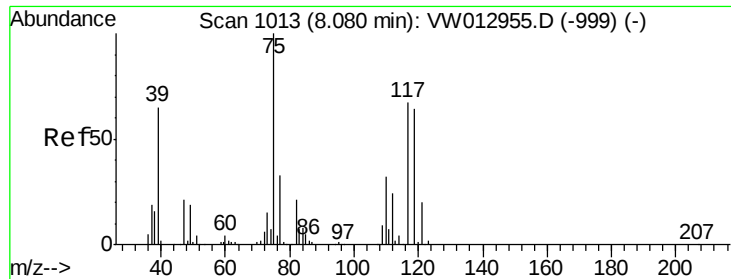
#35
 Dibromofluoromethane
 Concen: 50.467 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013139.D
 Acq: 19 Sep 2019 04:06

Tgt Ion:113 Resp: 167383
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.8 124.2
 192 23.1 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

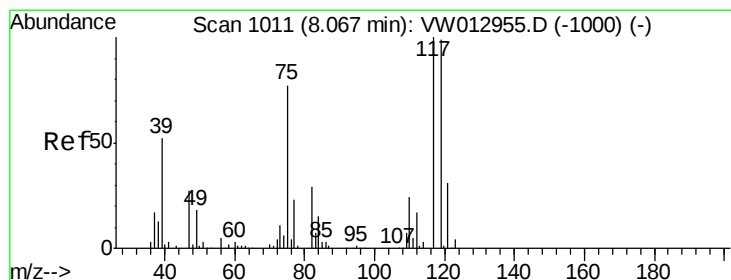
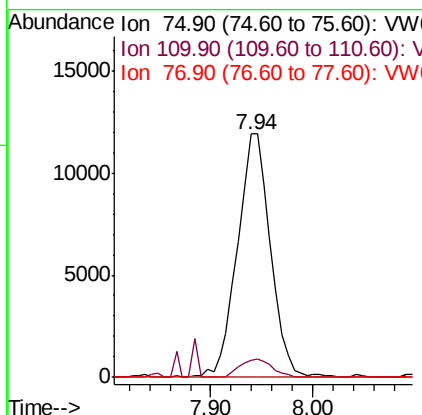
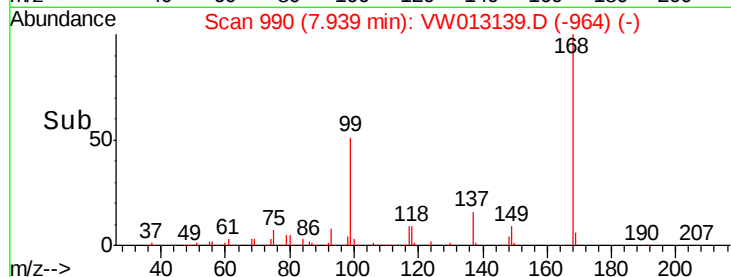
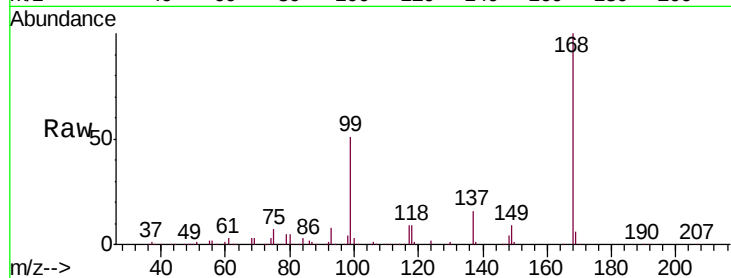




#36
 1,1-Dichloropropene
 Concen: 5.492 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013139.D
 Acq: 19 Sep 2019 04:06

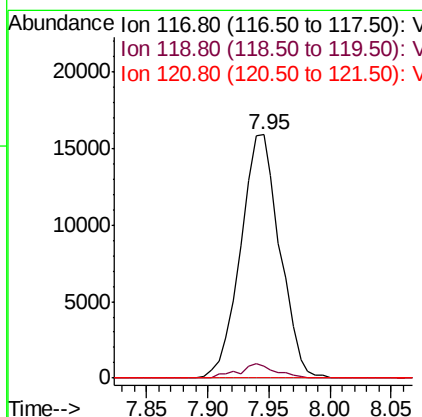
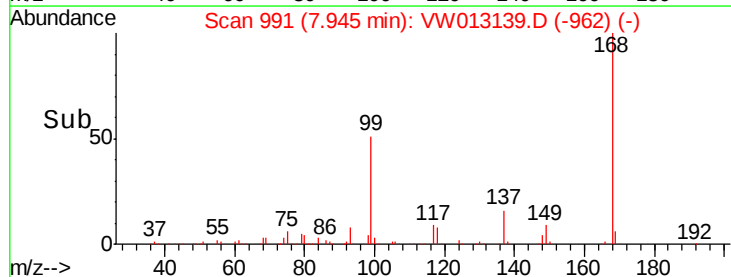
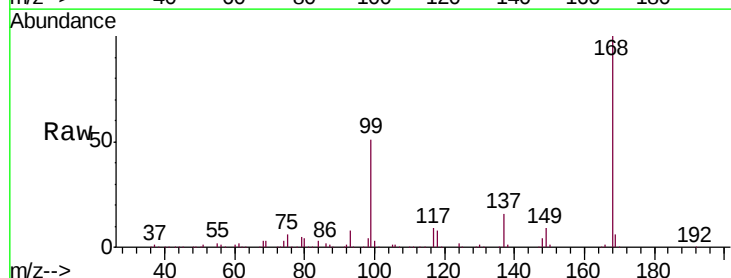
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-44-11.5-12.0

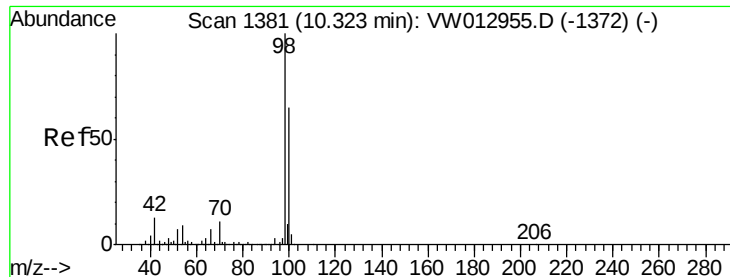
Tgt Ion: 75 Resp: 26826
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.067 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013139.D
 Acq: 19 Sep 2019 04:06

Tgt Ion: 117 Resp: 35372
 Ion Ratio Lower Upper
 117 100
 119 4.6 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 54.594 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013139.D

Acq: 19 Sep 2019 04:06

Instrument :

MSVOA_W

ClientSampleId :

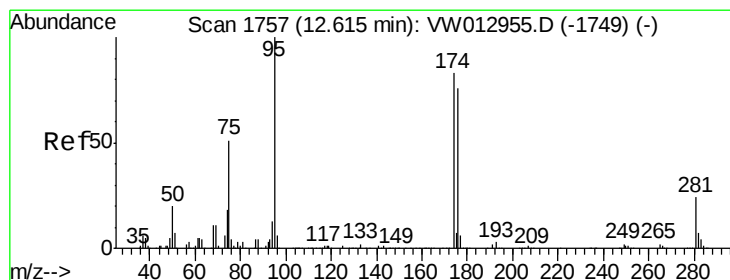
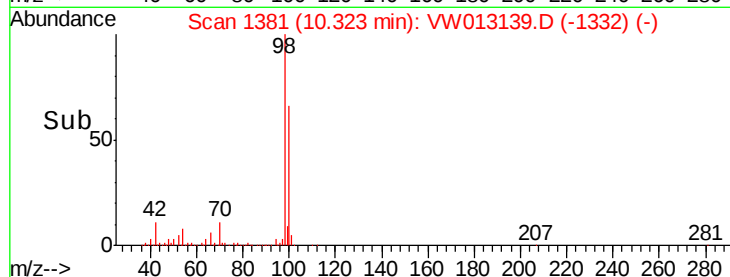
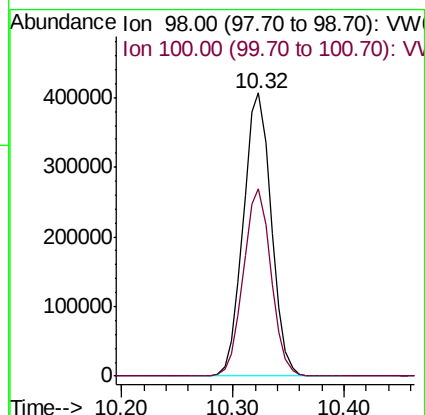
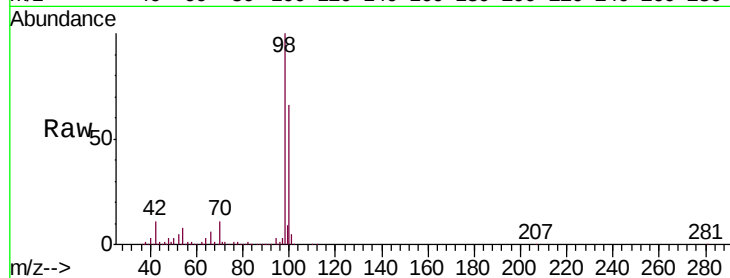
SB-44-11.5-12.0

Tgt Ion: 98 Resp: 708557

Ion Ratio Lower Upper

98 100

100 65.7 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 46.330 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013139.D

Acq: 19 Sep 2019 04:06

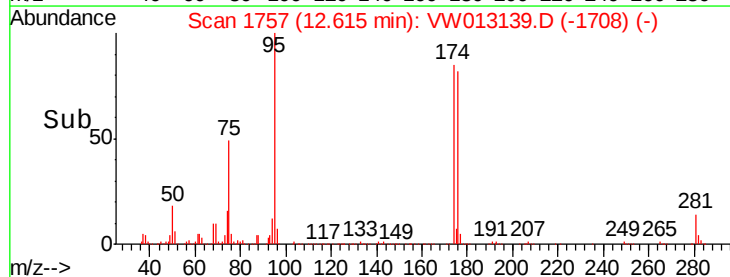
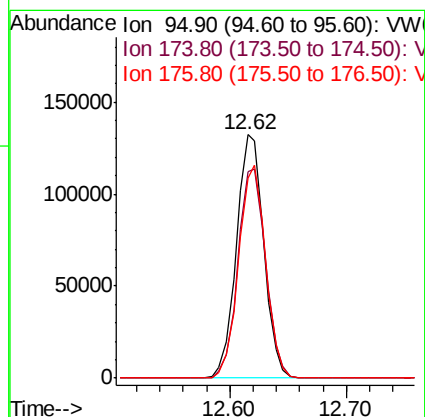
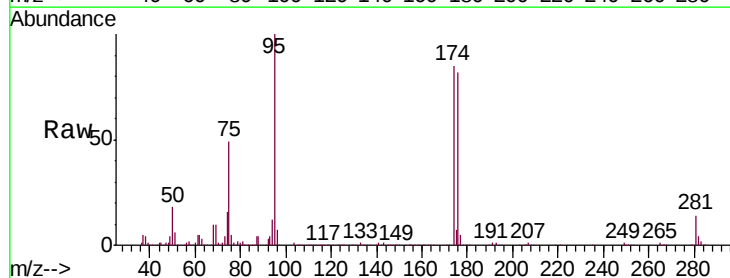
Tgt Ion: 95 Resp: 216212

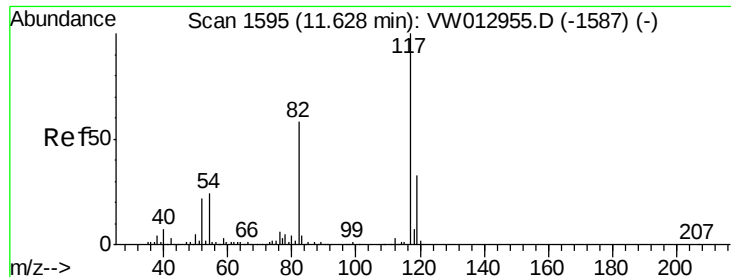
Ion Ratio Lower Upper

95 100

174 87.7 0.0 170.4

176 86.6 0.0 164.6

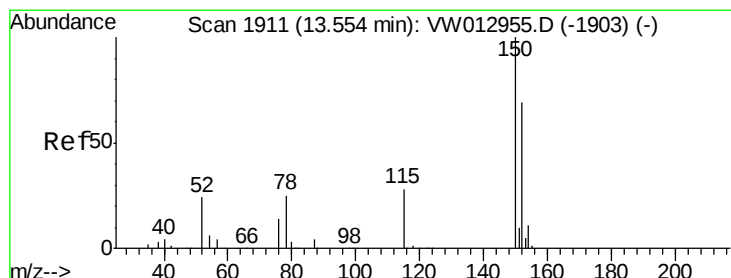
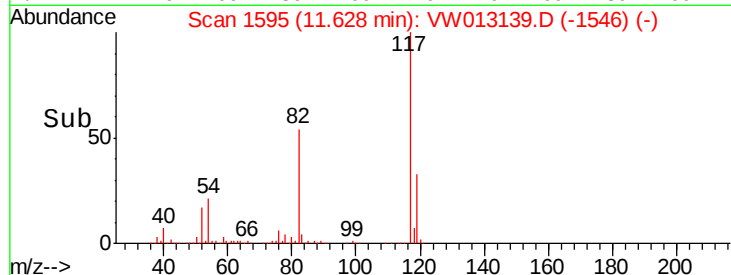
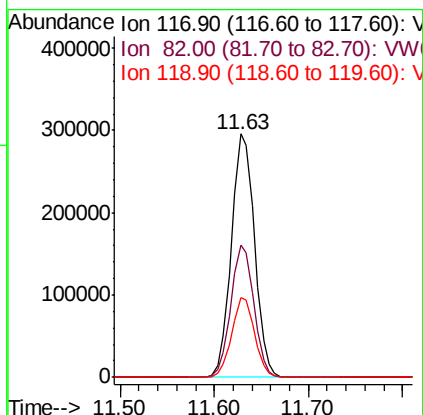
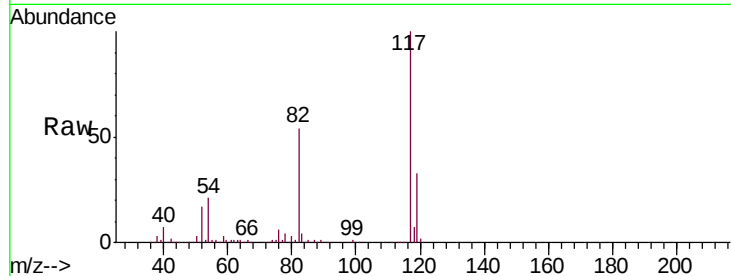




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013139.D
Acq: 19 Sep 2019 04:06

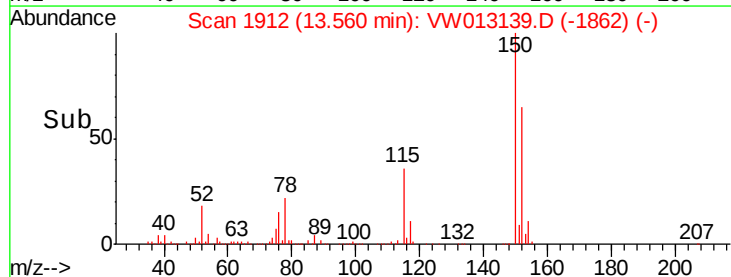
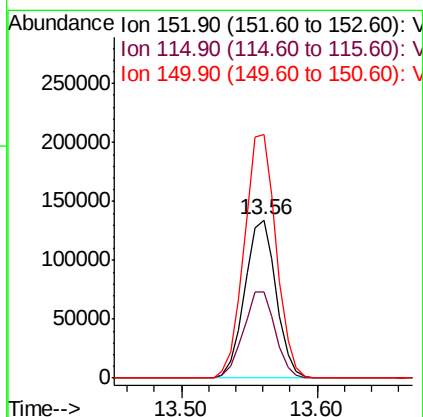
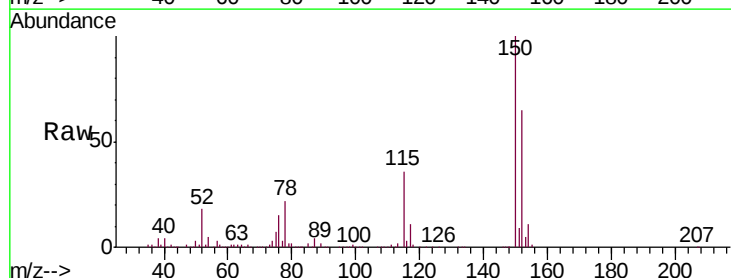
Instrument :
MSVOA_W
ClientSampleId :
SB-44-11.5-12.0

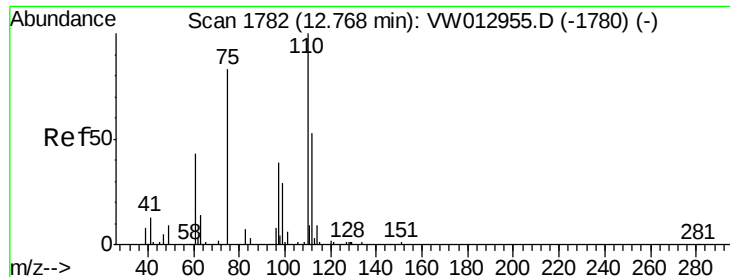
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.4	46.3	69.5
119	32.5	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013139.D
Acq: 19 Sep 2019 04:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.8	86.4
150	156.4	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 54.923 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013139.D

Acq: 19 Sep 2019 04:06

Instrument :

MSVOA_W

ClientSampleId :

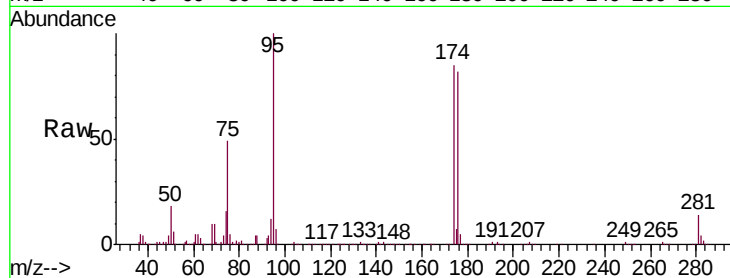
SB-44-11.5-12.0

Tgt Ion: 75 Resp: 104451

Ion Ratio Lower Upper

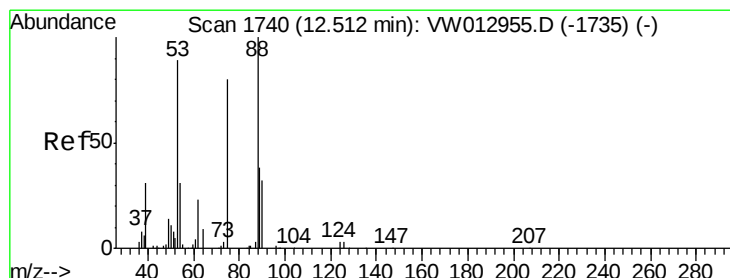
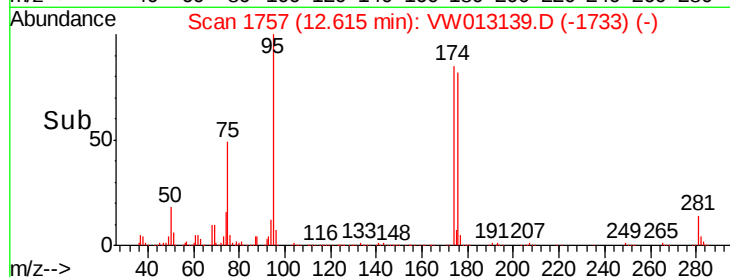
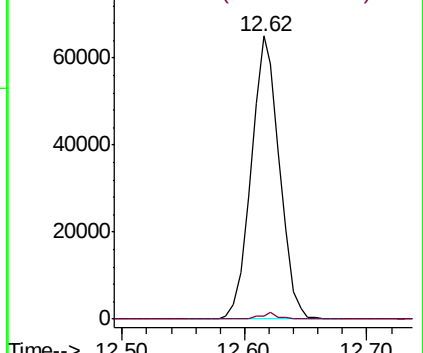
75 100

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: 124.591 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013139.D

Acq: 19 Sep 2019 04:06

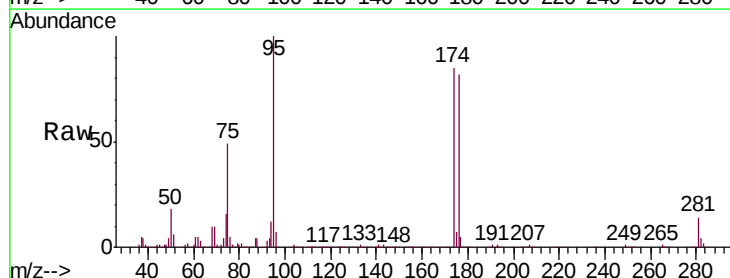
Tgt Ion: 75 Resp: 104451

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.2 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

