

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013071.D
 Acq On : 17 Sep 2019 05:48
 Operator : SY/VA
 Sample : K4851-09
 Misc : 5.16G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3D-(9)

Quant Time: Sep 17 07:30:27 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	361480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	550166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	196611	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	181118	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	
35) Dibromofluoromethane	7.88	113	157159	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
50) Toluene-d8	10.32	98	656348	56.19	ug/l	0.00
Spiked Amount			Recovery	=	112.38%	
62) 4-Bromofluorobenzene	12.62	95	209337	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	

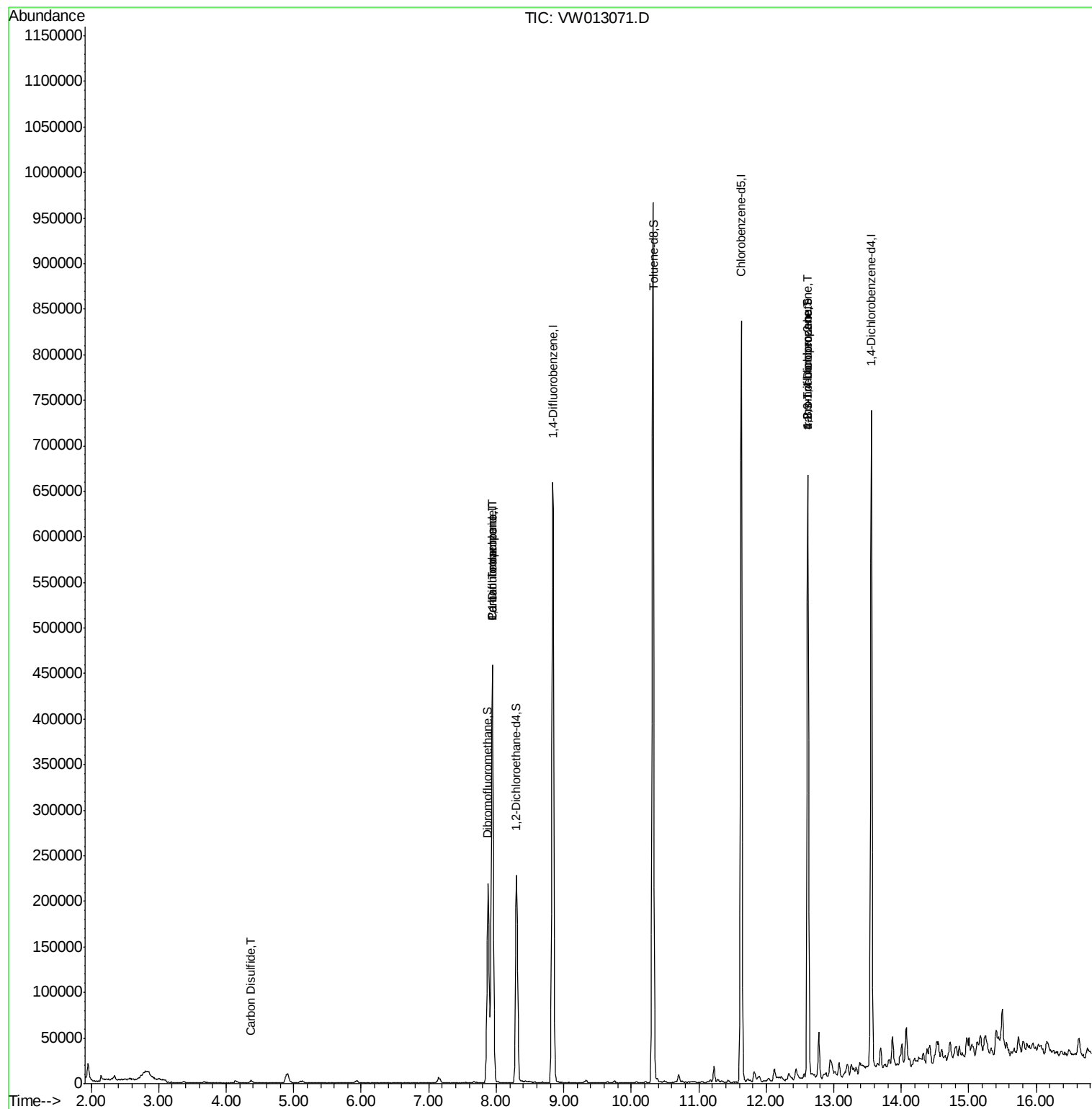
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	23	Below Cal	#	44
3) Chloromethane	2.20	50	432	Below Cal	#	74
11) Tert butyl alcohol	5.19	59	121	Below Cal	#	72
13) Acrolein	3.84	56	21	Below Cal	#	1
16) Acetone	4.13	43	4610	Below Cal	#	84
17) Carbon Disulfide	4.37	76	5847	1.176	ug/l #	93
20) Methylene Chloride	4.90	84	8268	Below Cal	#	91
26) 2,2-Dichloropropane	7.15	77	578	Below Cal	#	55
31) Cyclohexane	7.95	56	7532	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	26771	6.089	ug/l #	51
38) Carbon Tetrachloride	7.94	117	34468	7.651	ug/l #	13
76) 1,2,3-Trichloropropane	12.62	75	105047	60.997	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	105047	138.371	ug/l #	7

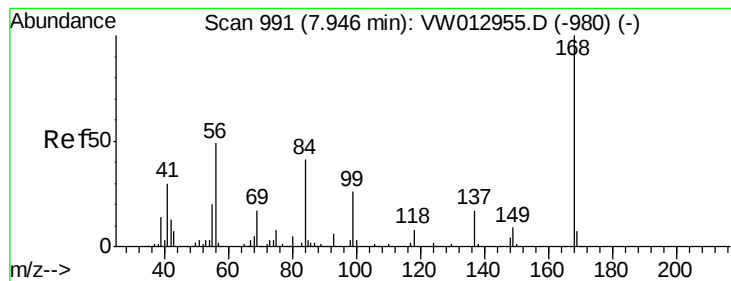
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
Data File : VW013071.D
Acq On : 17 Sep 2019 05:48
Operator : SY/VA
Sample : K4851-09
Misc : 5.16G/5ML/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-3D-(9)

Quant Time: Sep 17 07:30:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
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: VW013071.D

Acq: 17 Sep 2019 05:48

Instrument :

MSVOA_W

ClientSampleId :

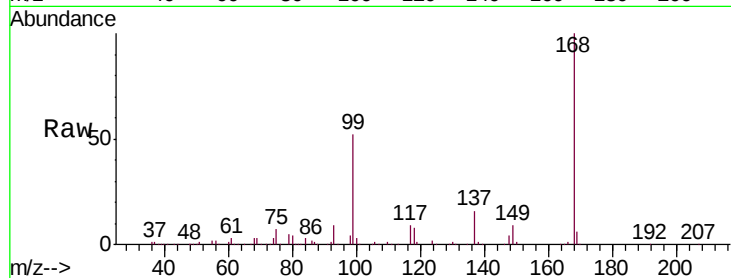
SB-3D-(9)

Tgt Ion:168 Resp: 361480

Ion Ratio Lower Upper

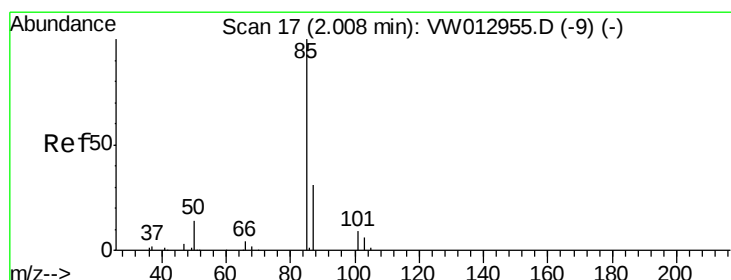
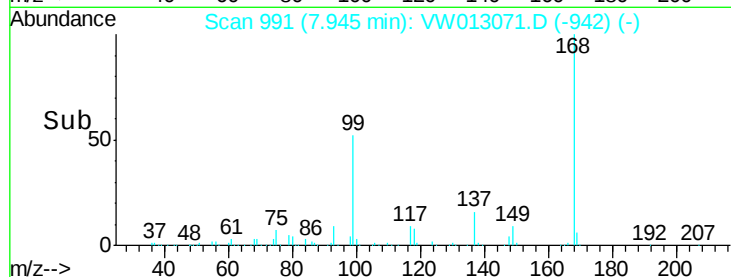
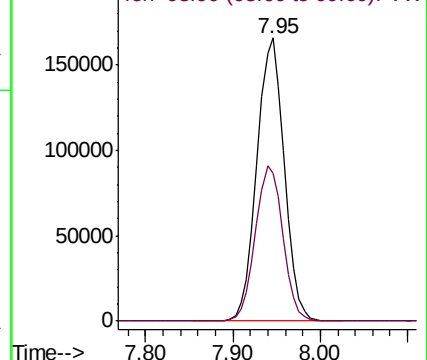
168 100

99 52.4 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW013071.D

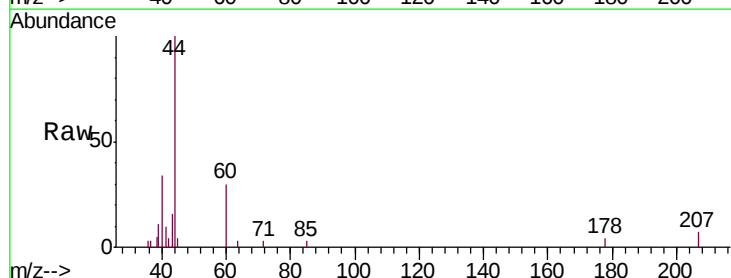
Acq: 17 Sep 2019 05:48

Tgt Ion: 85 Resp: 23

Ion Ratio Lower Upper

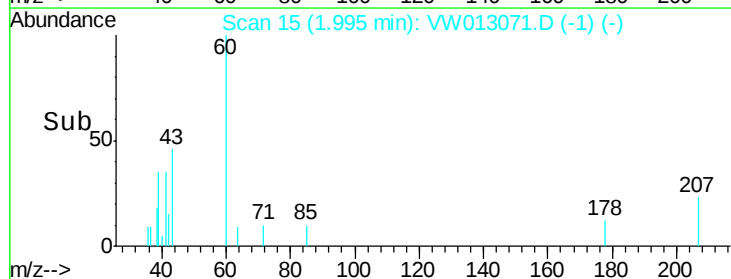
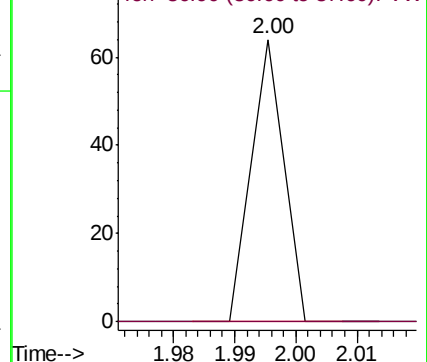
85 100

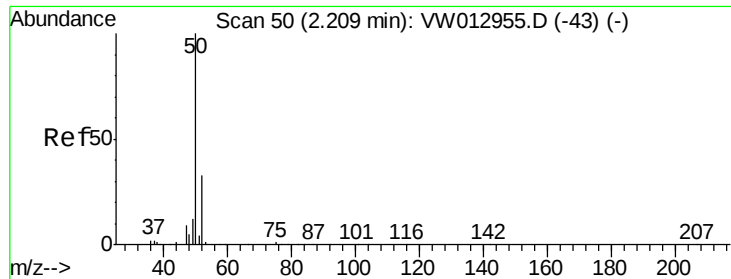
87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013071.D

Acq: 17 Sep 2019 05:48

Instrument :

MSVOA_W

ClientSampled :

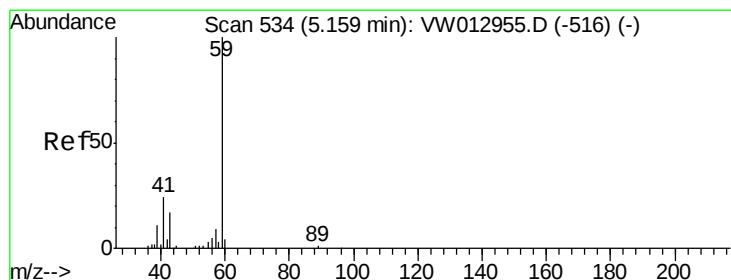
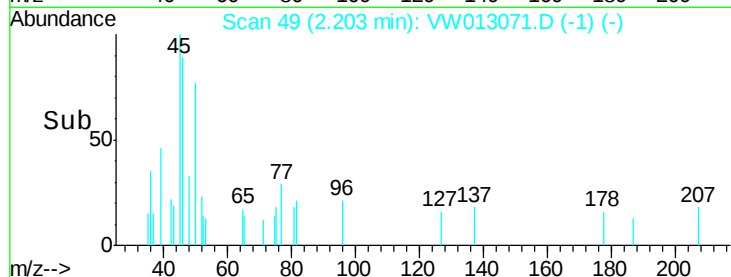
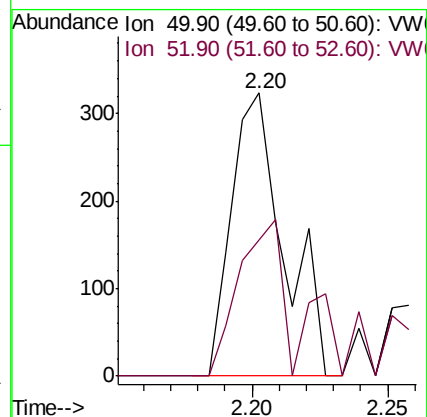
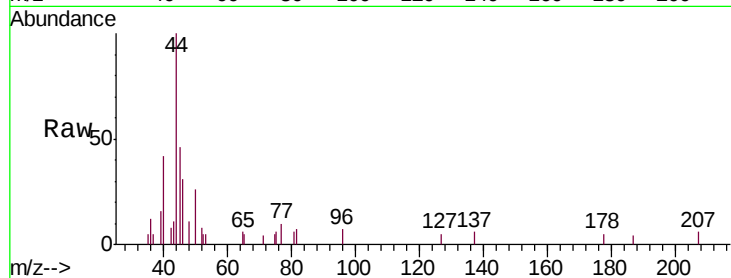
SB-3D-(9)

Tgt Ion: 50 Resp: 432

Ion Ratio Lower Upper

50 100

52 48.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW013071.D

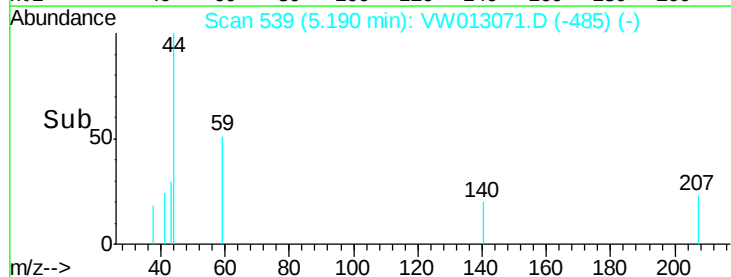
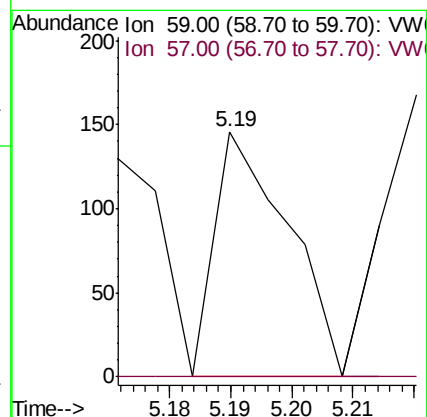
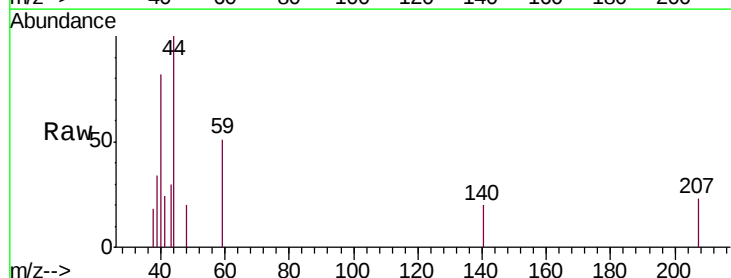
Acq: 17 Sep 2019 05:48

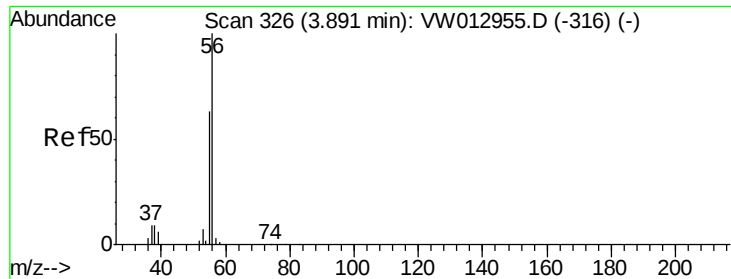
Tgt Ion: 59 Resp: 121

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.84 min Scan# 318

Delta R.T. -0.05 min

Lab File: VW013071.D

Acq: 17 Sep 2019 05:48

Instrument :

MSVOA_W

ClientSampleId :

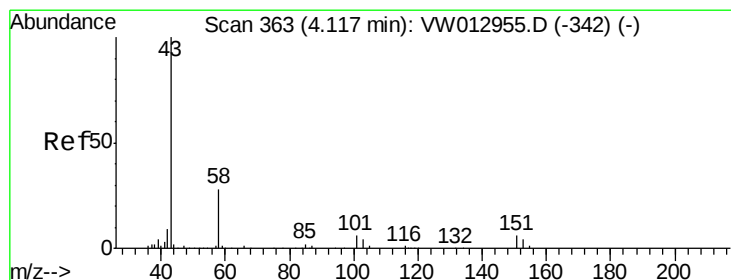
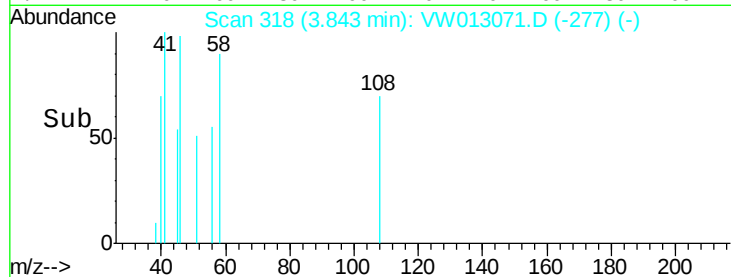
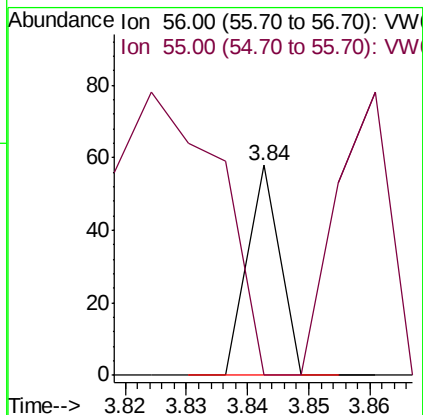
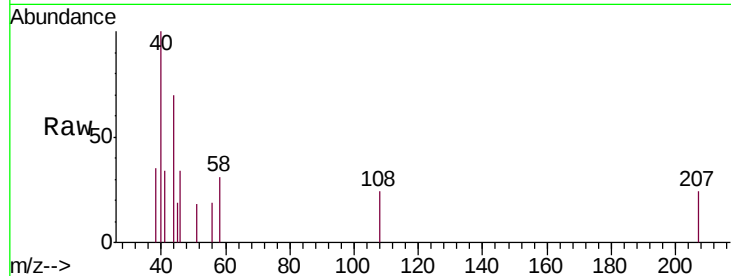
SB-3D-(9)

Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 228.6 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013071.D

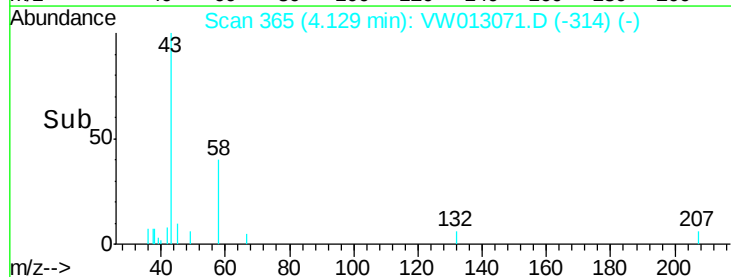
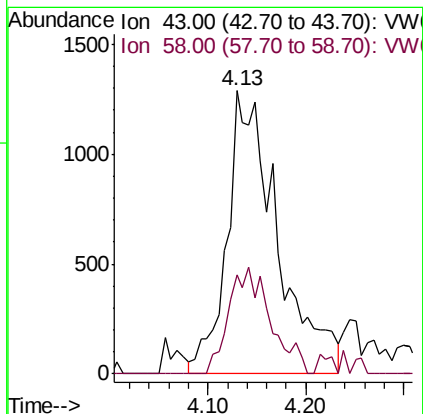
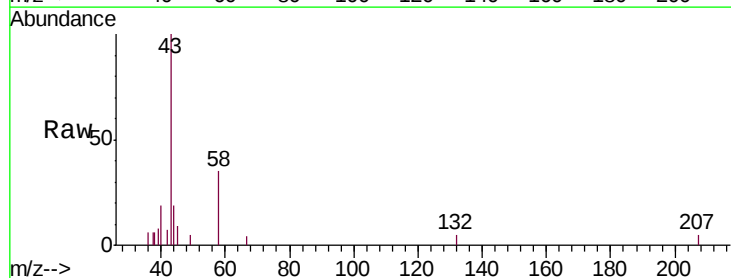
Acq: 17 Sep 2019 05:48

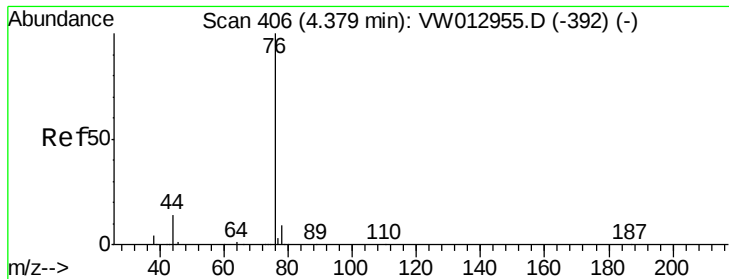
Tgt Ion: 43 Resp: 4610

Ion Ratio Lower Upper

43 100

58 36.5 22.3 33.5#





#17

Carbon Disulfide

Concen: 1.176 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW013071.D

Acq: 17 Sep 2019 05:48

Instrument :

MSVOA_W

ClientSampleId :

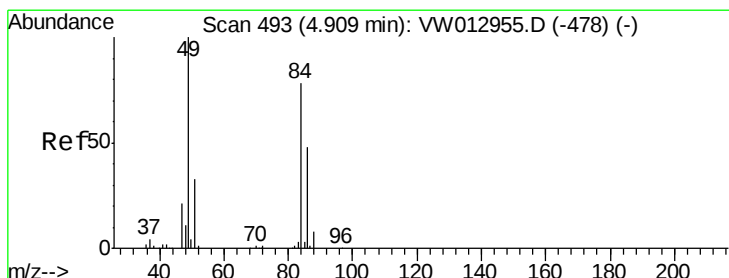
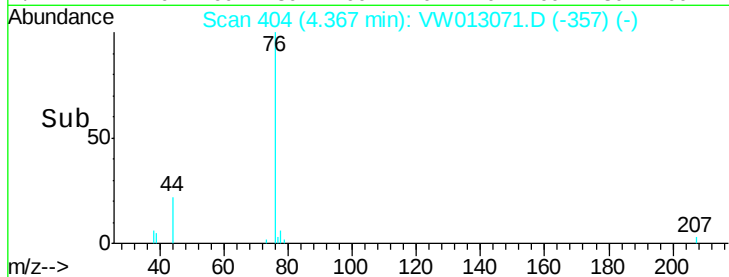
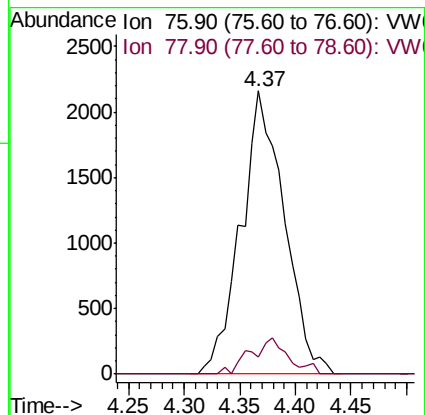
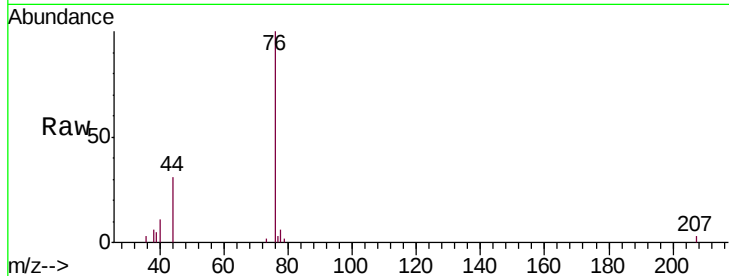
SB-3D-(9)

Tgt Ion: 76 Resp: 5847

Ion Ratio Lower Upper

76 100

78 6.1 7.0 10.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 491

Delta R.T. -0.01 min

Lab File: VW013071.D

Acq: 17 Sep 2019 05:48

Tgt Ion: 84 Resp: 8268

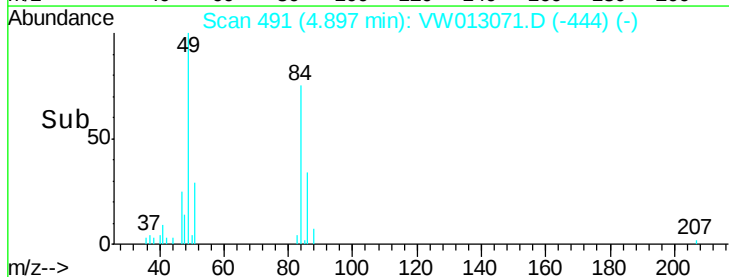
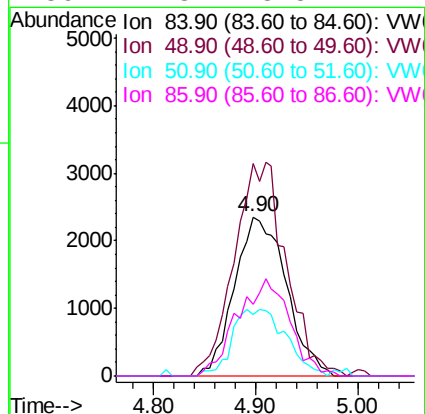
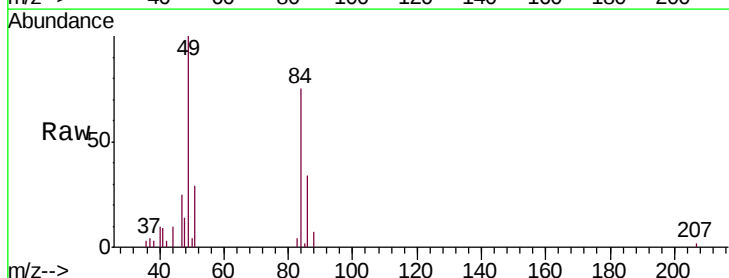
Ion Ratio Lower Upper

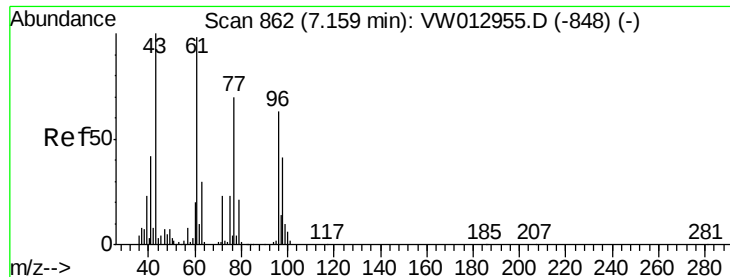
84 100

49 133.3 102.0 153.0

51 38.4 34.0 51.0

86 44.8 48.5 72.7#

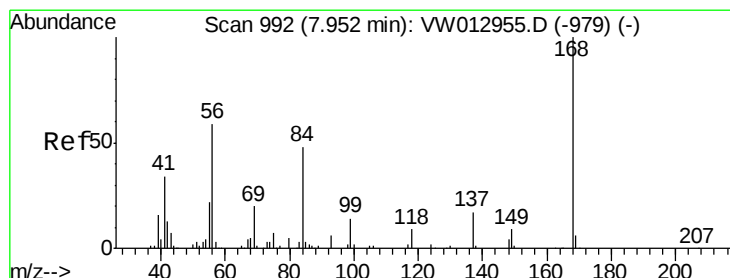
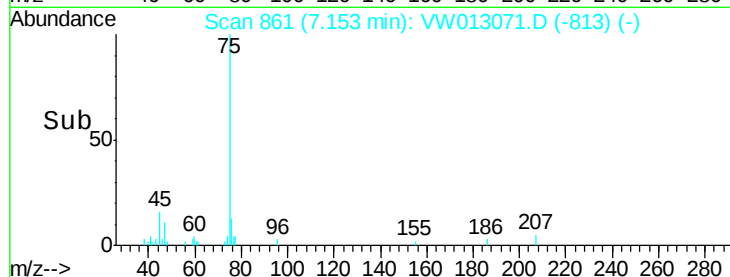
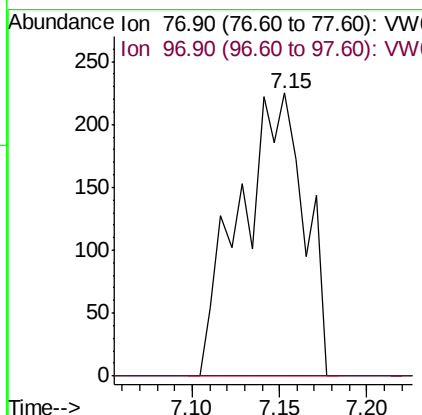
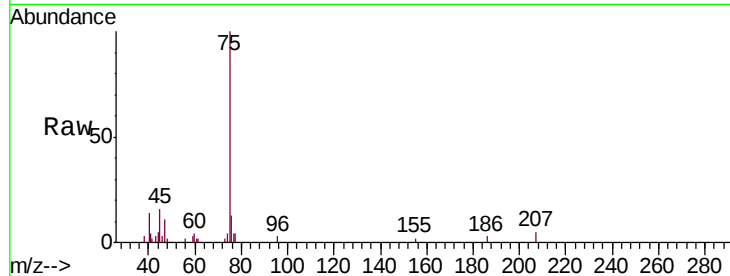




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VW013071.D
 Acq: 17 Sep 2019 05:48

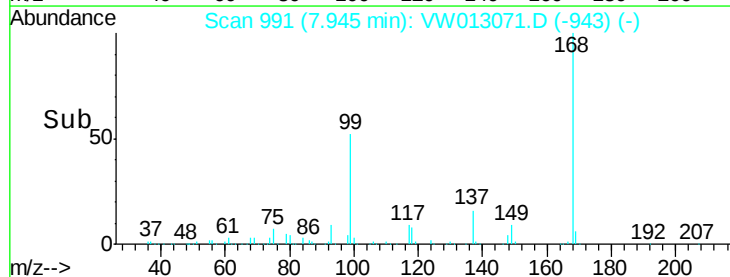
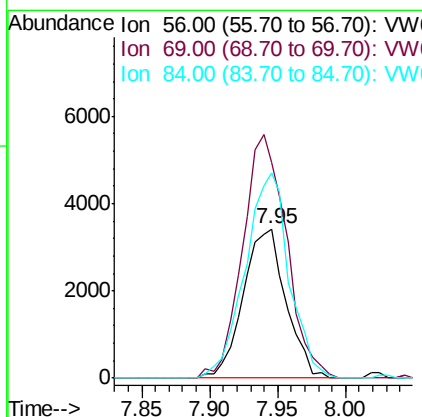
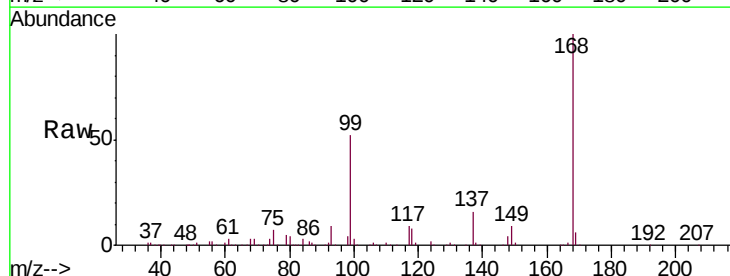
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3D-(9)

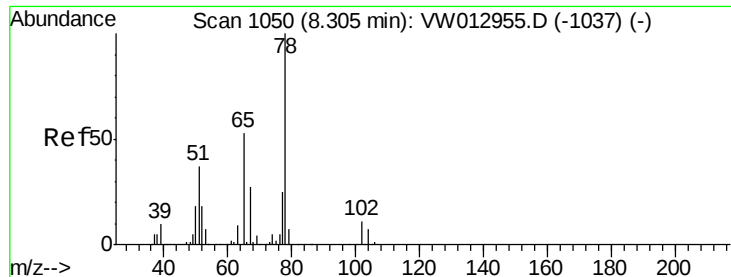
Tgt Ion: 77 Resp: 578
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#31
 Cyclohexane
 Concen: Below Cal
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW013071.D
 Acq: 17 Sep 2019 05:48

Tgt Ion: 56 Resp: 7532
 Ion Ratio Lower Upper
 56 100
 69 144.1 27.0 40.6#
 84 137.0 66.2 99.2#





#33

1,2-Dichloroethane-d4

Concen: 54.251 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013071.D

Acq: 17 Sep 2019 05:48

Instrument :

MSVOA_W

ClientSampleId :

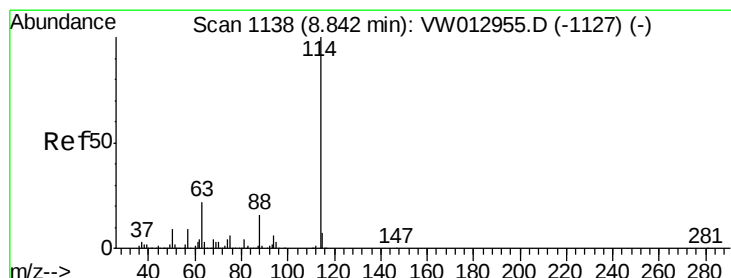
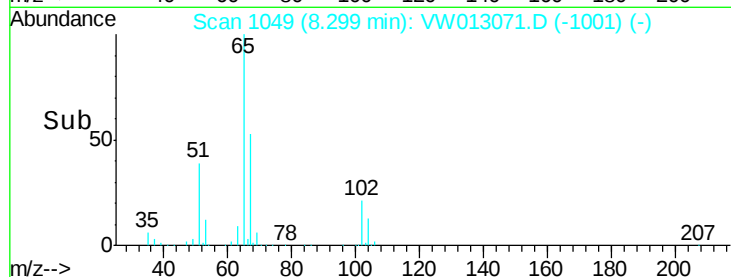
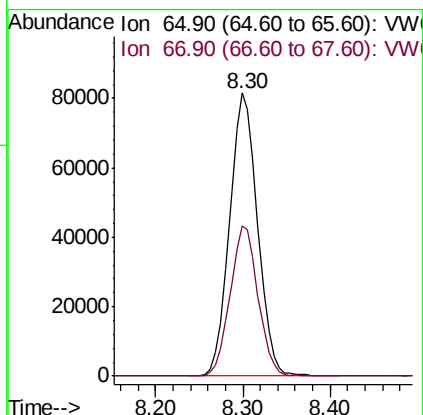
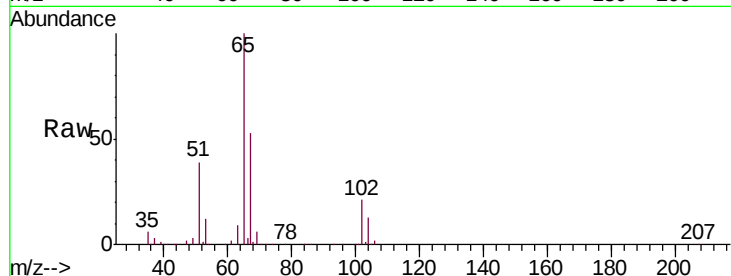
SB-3D-(9)

Tgt Ion: 65 Resp: 181118

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW013071.D

Acq: 17 Sep 2019 05:48

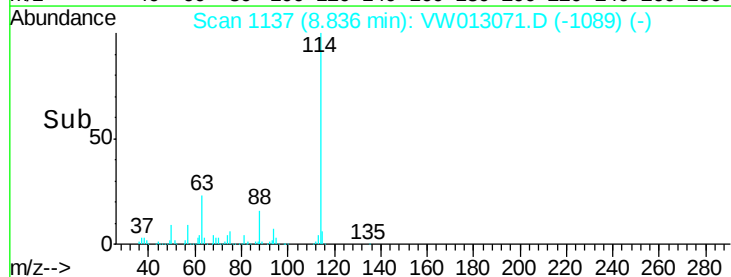
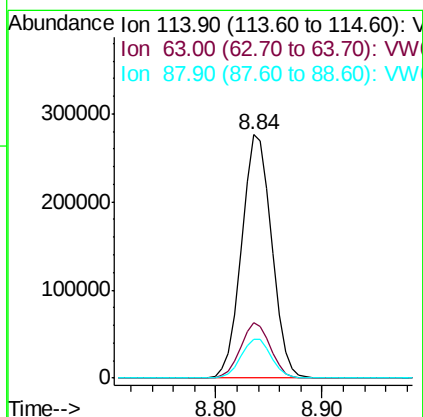
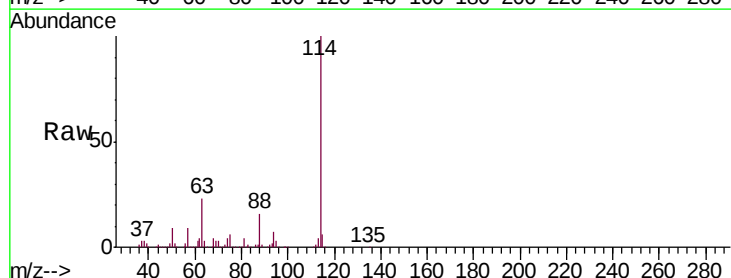
Tgt Ion: 114 Resp: 550166

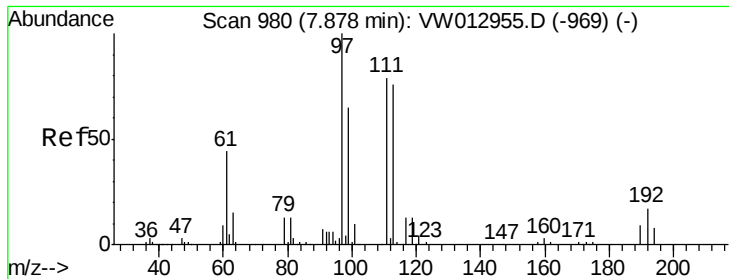
Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.4

88 16.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 52.645 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013071.D

Acq: 17 Sep 2019 05:48

Instrument :

MSVOA_W

ClientSampleId :

SB-3D-(9)

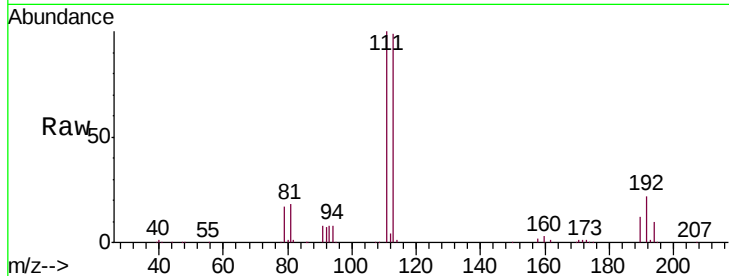
Tgt Ion:113 Resp: 157159

Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

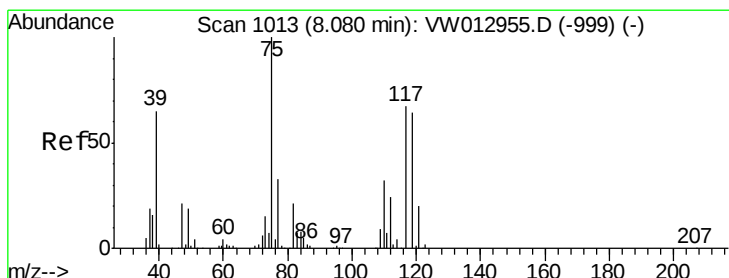
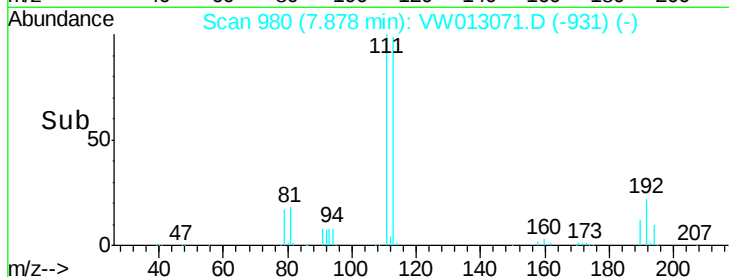
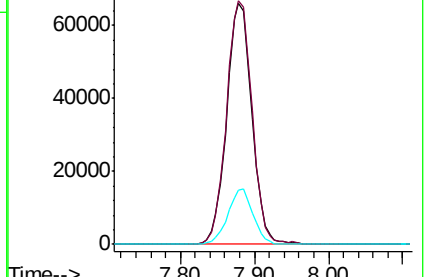
192 22.9 17.8 26.8



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: 6.089 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013071.D

Acq: 17 Sep 2019 05:48

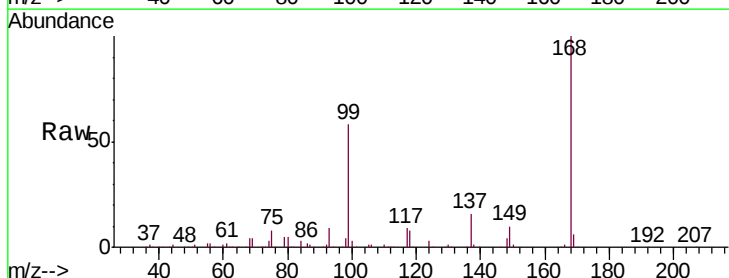
Tgt Ion: 75 Resp: 26771

Ion Ratio Lower Upper

75 100

110 9.3 16.4 49.1#

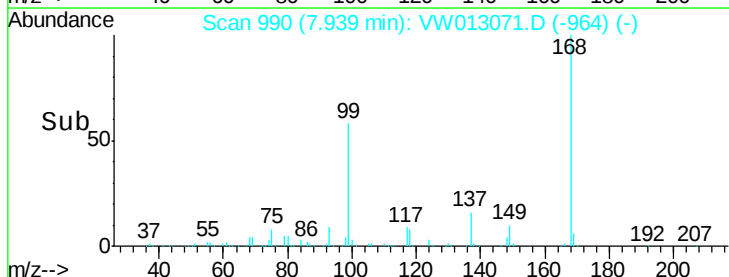
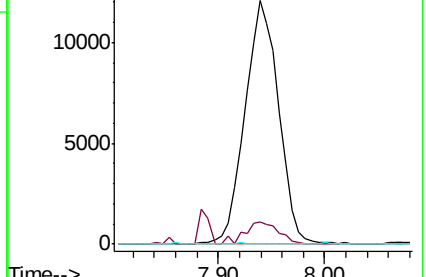
77 0.1 25.1 37.7#

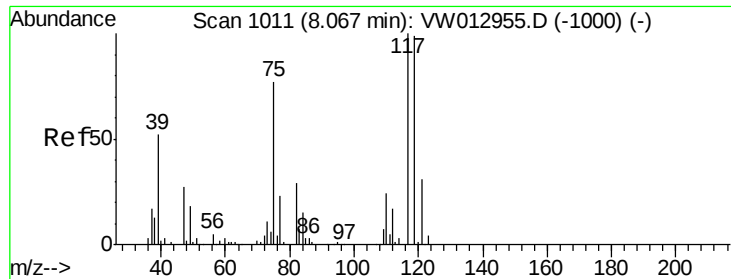


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

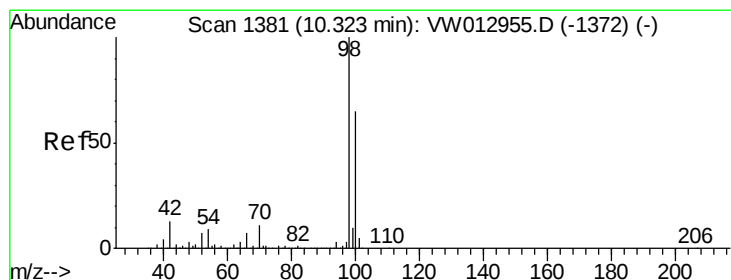
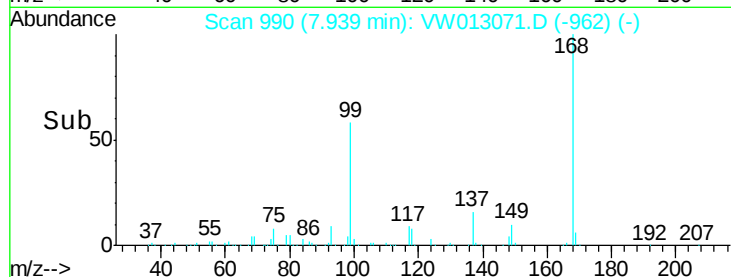
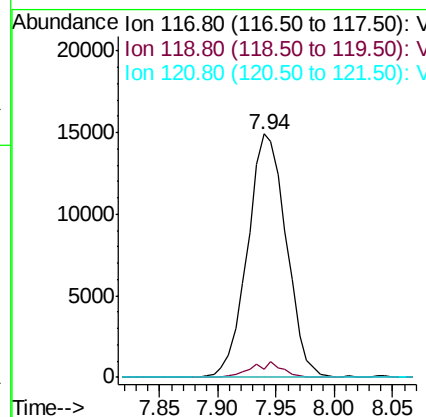
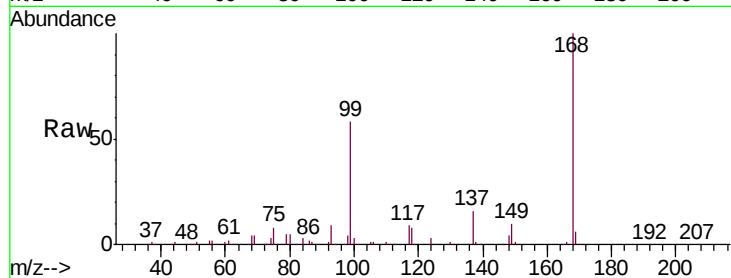




#38
Carbon Tetrachloride
Concen: 7.651 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013071.D
Acq: 17 Sep 2019 05:48

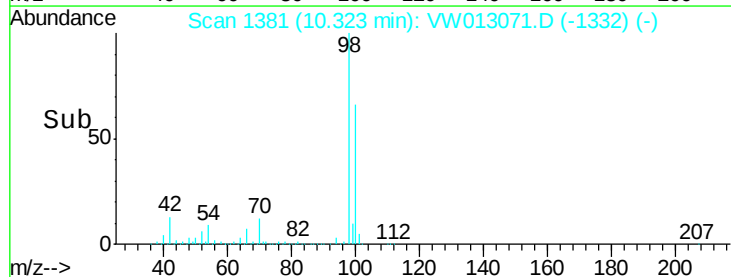
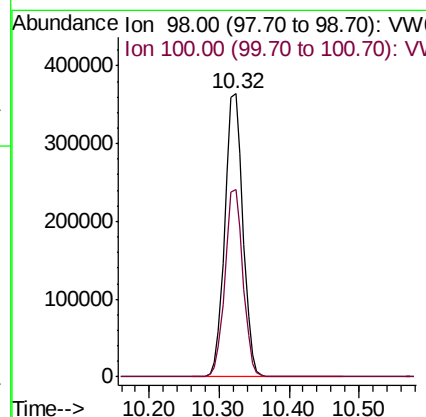
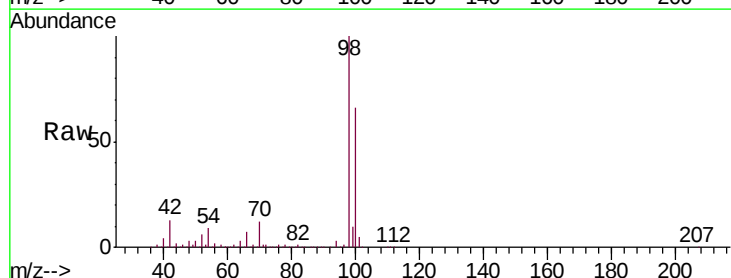
Instrument :
MSVOA_W
ClientSampleId :
SB-3D-(9)

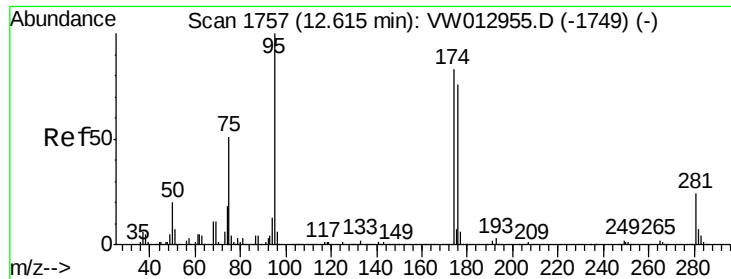
Tgt Ion:117 Resp: 34468
Ion Ratio Lower Upper
117 100
119 3.2 79.4 119.0#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 56.186 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013071.D
Acq: 17 Sep 2019 05:48

Tgt Ion: 98 Resp: 656348
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1

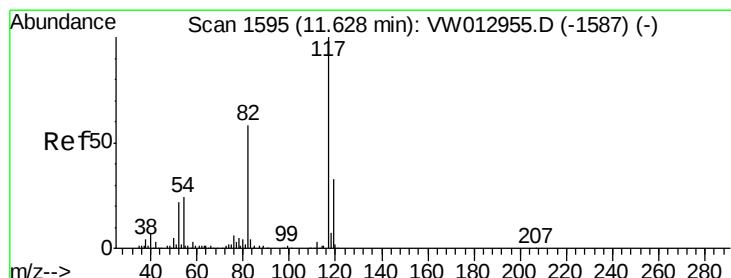
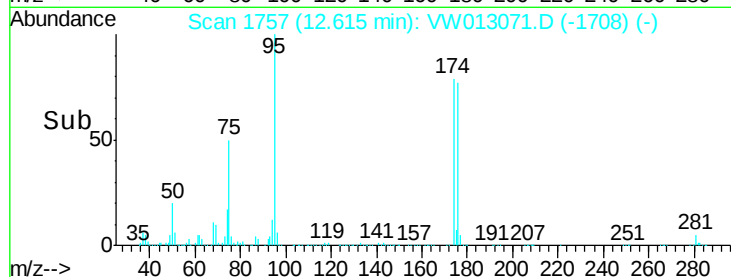
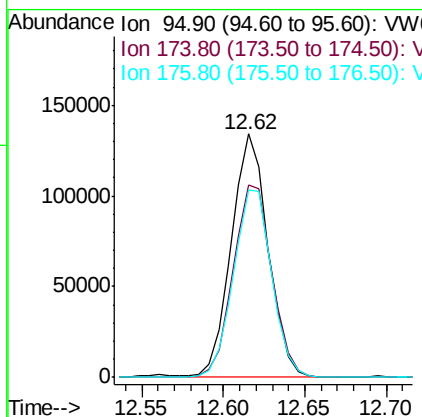
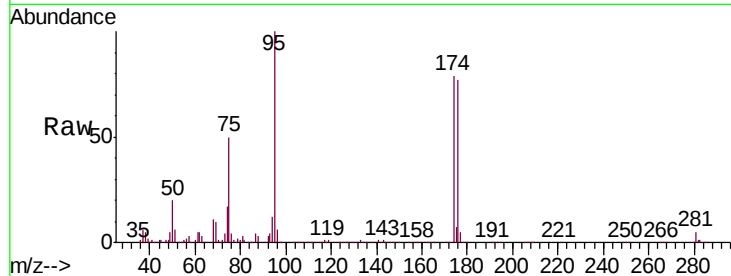




#62
4-Bromofluorobenzene
Concen: 49.836 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013071.D
Acq: 17 Sep 2019 05:48

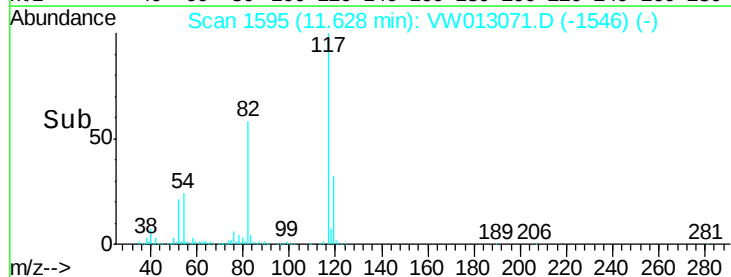
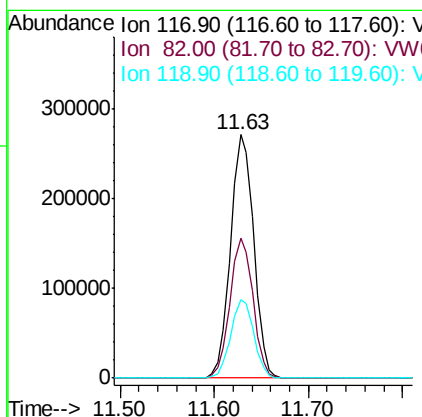
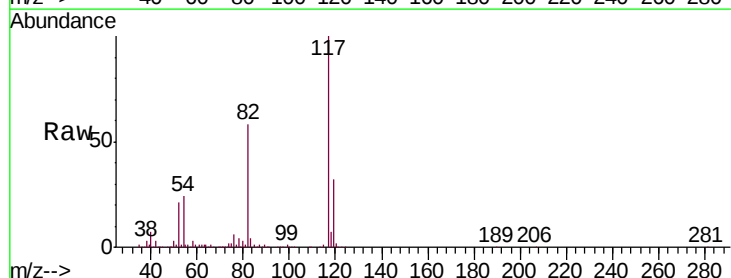
Instrument :
MSVOA_W
ClientSampleId :
SB-3D-(9)

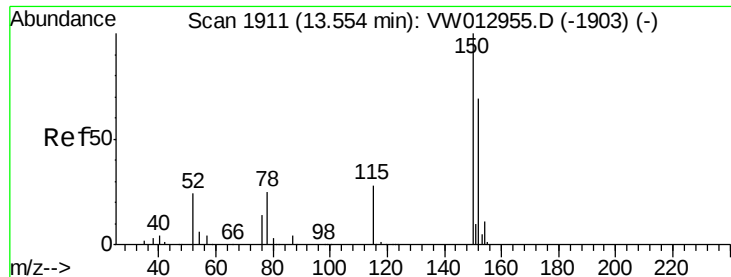
Tgt Ion: 95 Resp: 209337
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.4
176 81.0 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013071.D
Acq: 17 Sep 2019 05:48

Tgt Ion: 117 Resp: 464659
Ion Ratio Lower Upper
117 100
82 57.6 46.3 69.5
119 32.5 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013071.D

Acq: 17 Sep 2019 05:48

Instrument :

MSVOA_W

ClientSampleId :

SB-3D-(9)

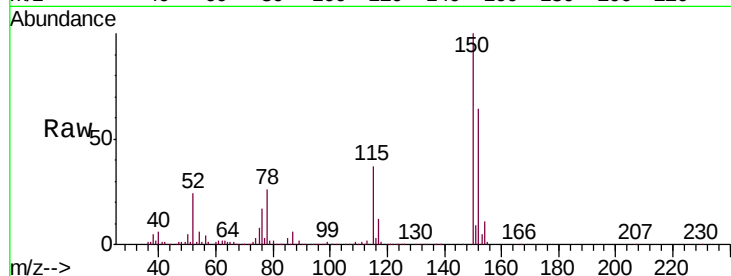
Tgt Ion:152 Resp: 196611

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.4

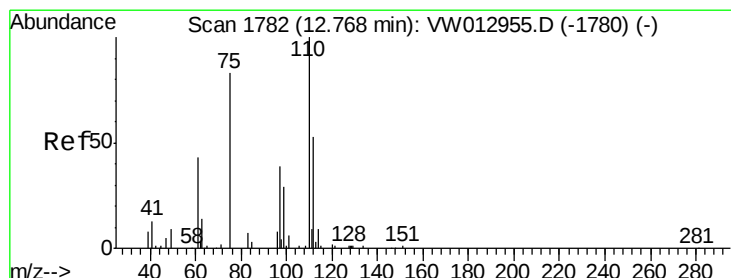
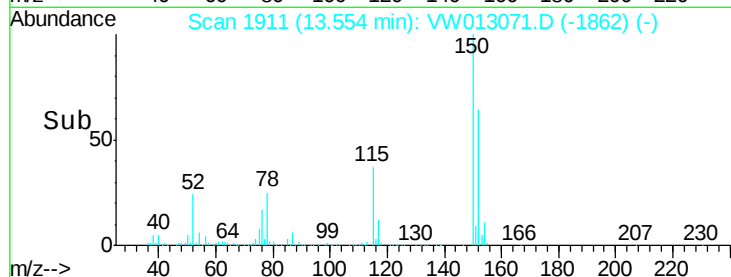
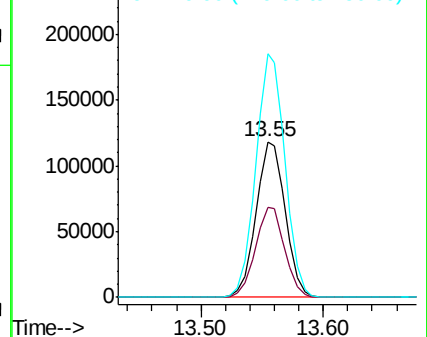
150 156.1 0.0 340.2



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: 60.997 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013071.D

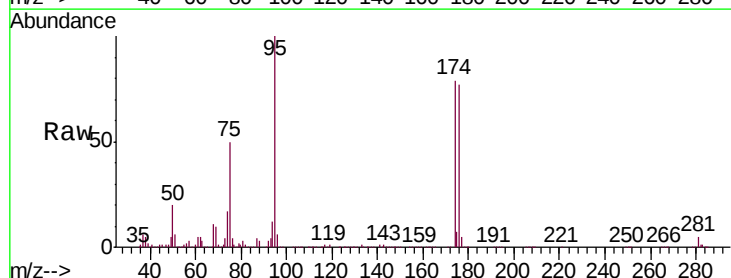
Acq: 17 Sep 2019 05:48

Tgt Ion: 75 Resp: 105047

Ion Ratio Lower Upper

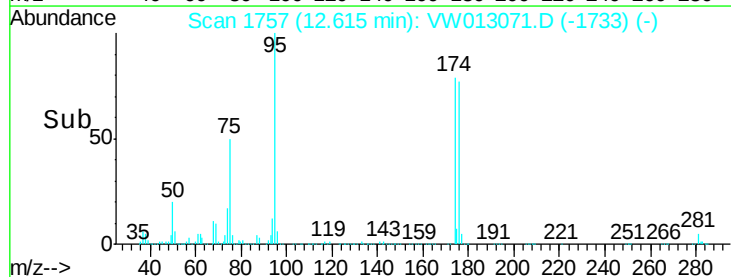
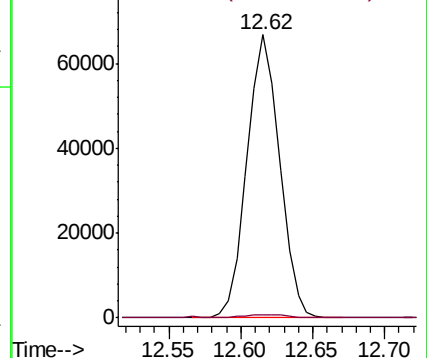
75 100

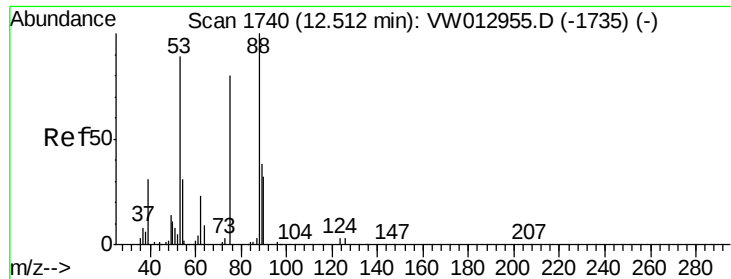
77 1.6 0.0 0.0#



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: 138.371 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013071.D

Acq: 17 Sep 2019 05:48

Instrument :

MSVOA_W

ClientSampleId :

SB-3D-(9)

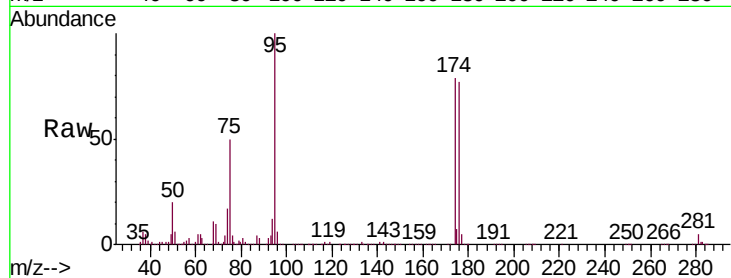
Tgt Ion: 75 Resp: 105047

Ion Ratio Lower Upper

75 100

53 0.5 85.6 128.4#

89 0.1 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

