

Data File : VW013174.D
Acq On : 19 Sep 2019 20:53
Operator : SY/VA
Sample : K4925-04
Misc : 4.99G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SS-4

Quant Time: Sep 20 07:50:03 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	342083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	503733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131923	41.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.52%	
35) Dibromofluoromethane	7.88	113	136733	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.32	98	580455	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
62) 4-Bromofluorobenzene	12.62	95	171558	44.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.22%	

Target Compounds

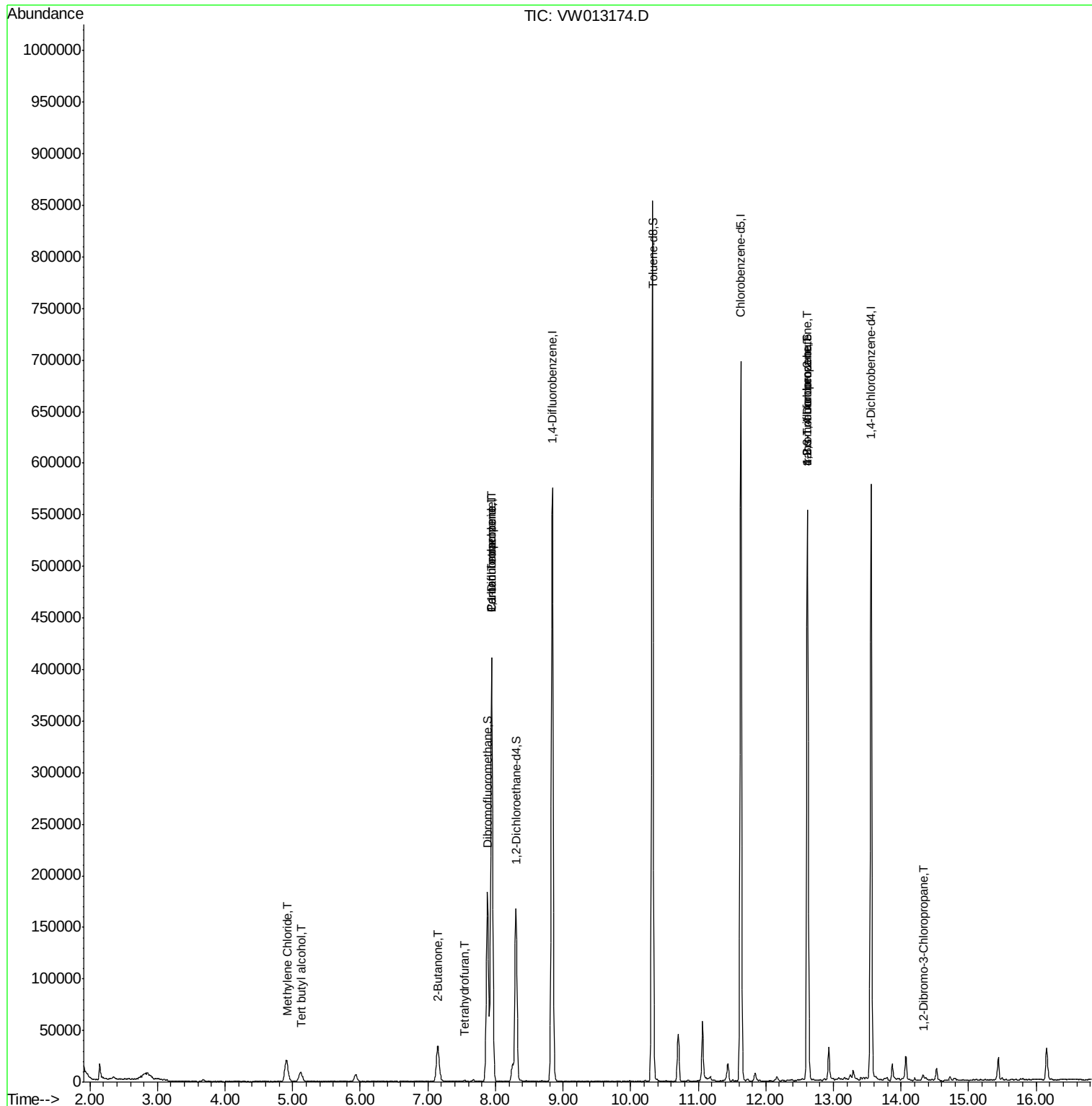
						Qvalue
2) Dichlorodifluoromethane	2.00	85	68	Below Cal	#	44
3) Chloromethane	2.21	50	214	Below Cal	#	41
11) Tert butyl alcohol	5.13	59	8700	21.189	ug/l #	72
13) Acrolein	4.07	56	22	Below Cal	#	15
16) Acetone	4.15	43	862	Below Cal		94
20) Methylene Chloride	4.92	84	18450	2.278	ug/l #	79
25) 2-Butanone	7.14	43	2042	2.033	ug/l	97
26) 2,2-Dichloropropane	7.15	77	2576	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	756	1.321	ug/l #	89
31) Cyclohexane	7.94	56	5746	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	22758	5.654	ug/l #	51
38) Carbon Tetrachloride	7.95	117	29428	7.134	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	81417	56.127	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81417	127.322	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.33	75	395	1.119	ug/l #	1

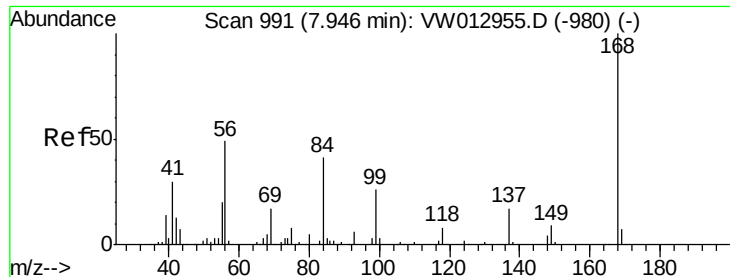
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013174.D

Acq: 19 Sep 2019 20:53

Instrument :

MSVOA_W

ClientSampled :

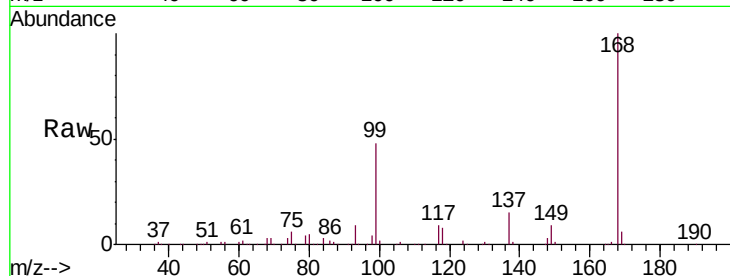
SS-4

Tgt Ion:168 Resp: 342083

Ion Ratio Lower Upper

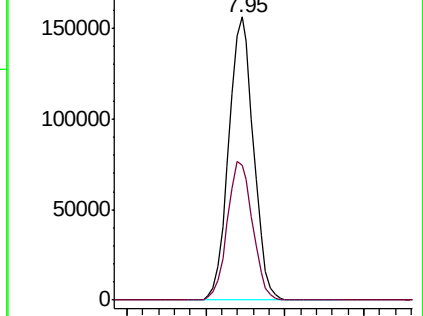
168 100

99 47.9 46.2 69.2

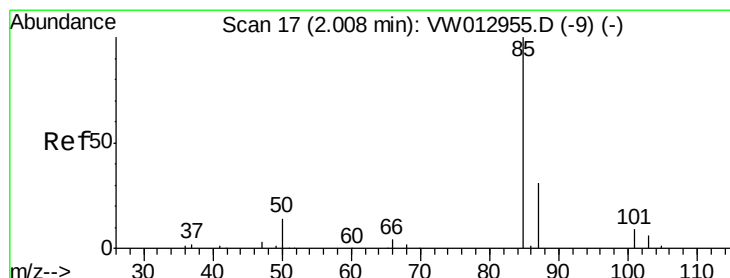
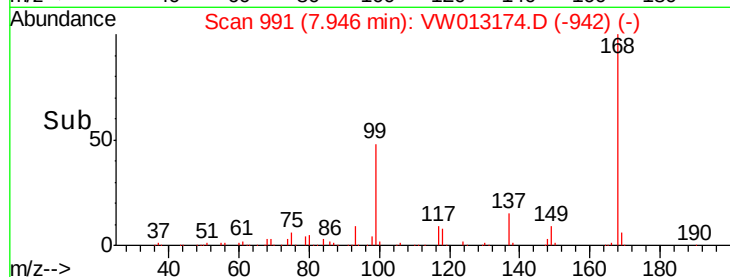


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013174.D

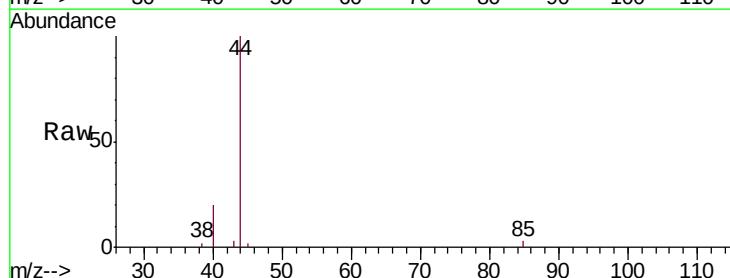
Acq: 19 Sep 2019 20:53

Tgt Ion: 85 Resp: 68

Ion Ratio Lower Upper

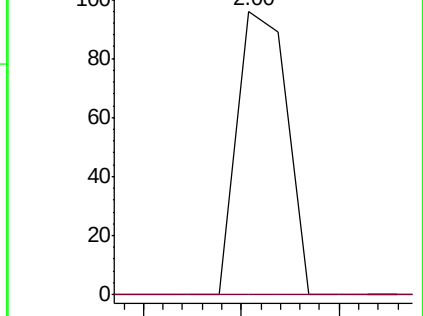
85 100

87 0.0 15.4 46.4#

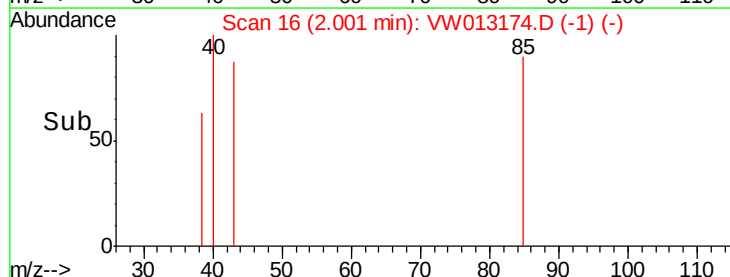


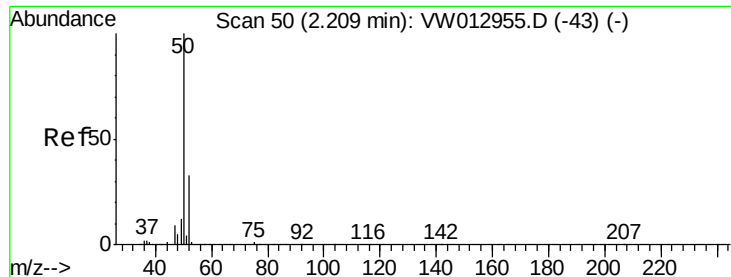
Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013174.D

Acq: 19 Sep 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

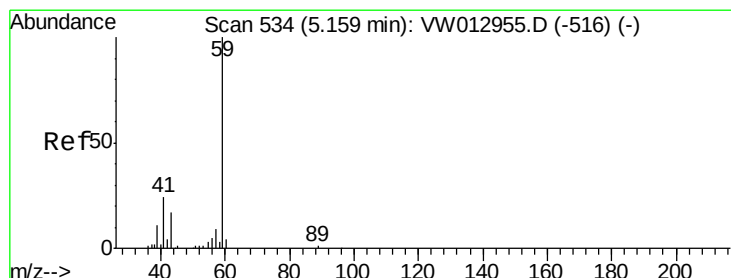
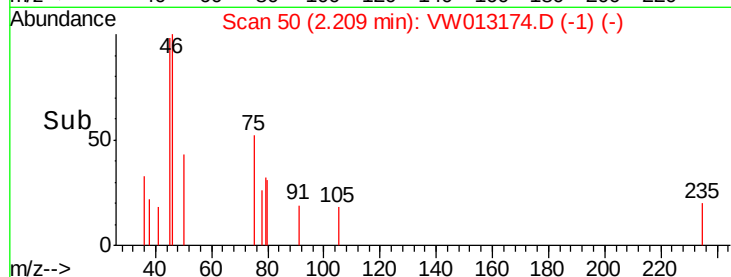
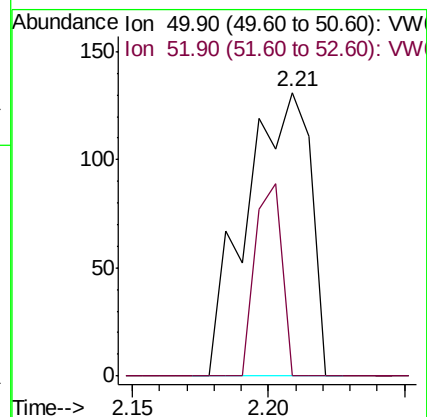
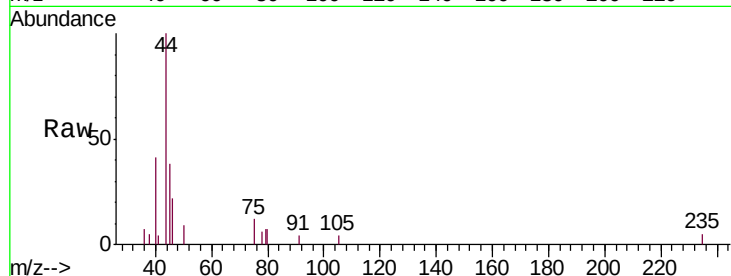
SS-4

Tgt Ion: 50 Resp: 214

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: 21.189 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.03 min

Lab File: VW013174.D

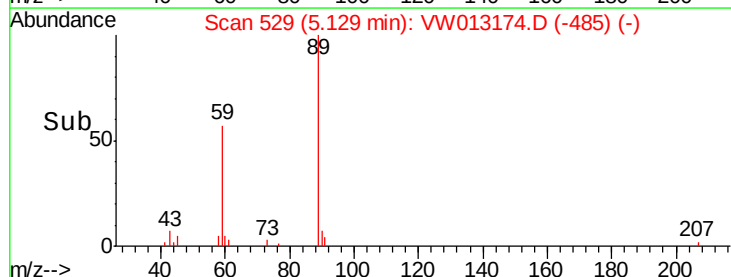
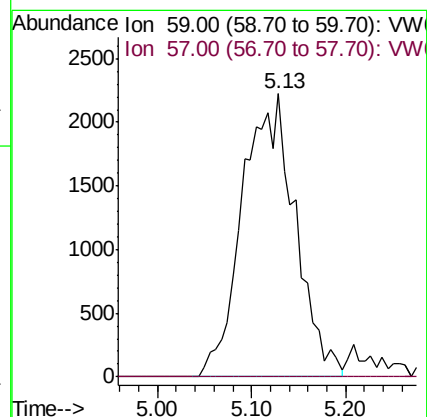
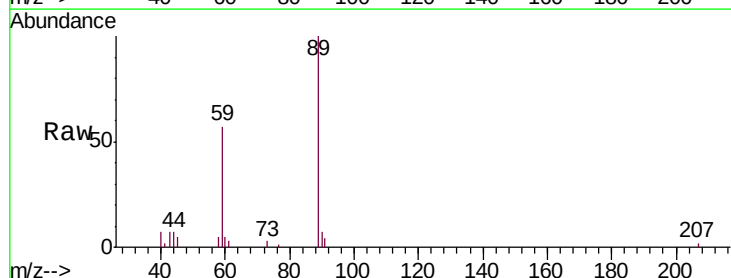
Acq: 19 Sep 2019 20:53

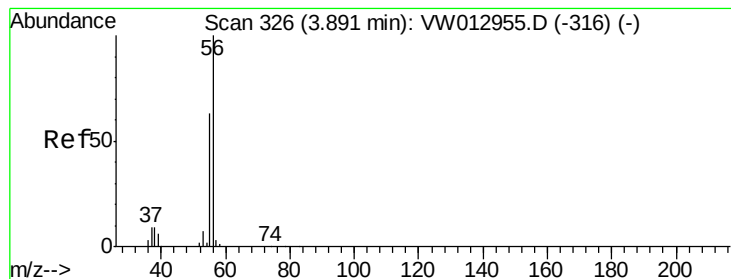
Tgt Ion: 59 Resp: 8700

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 4.07 min Scan# 355

Delta R.T. 0.18 min

Lab File: VW013174.D

Acq: 19 Sep 2019 20:53

Instrument :

MSVOA_W

ClientSampled :

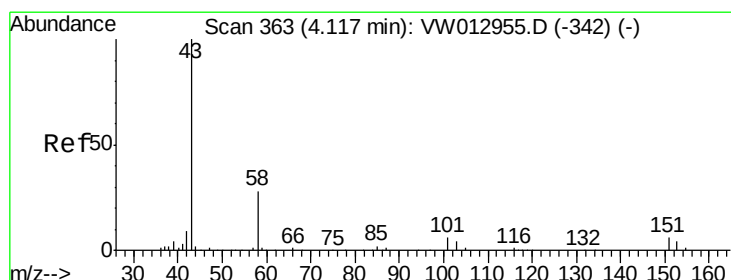
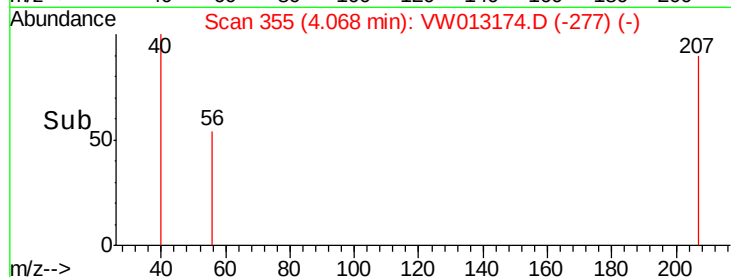
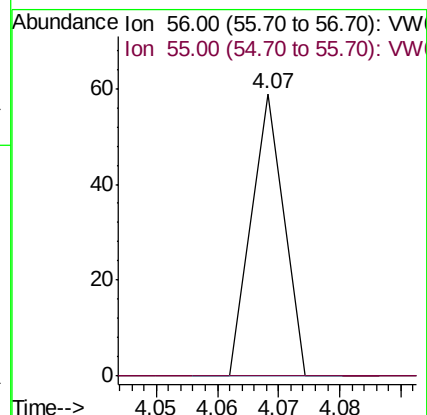
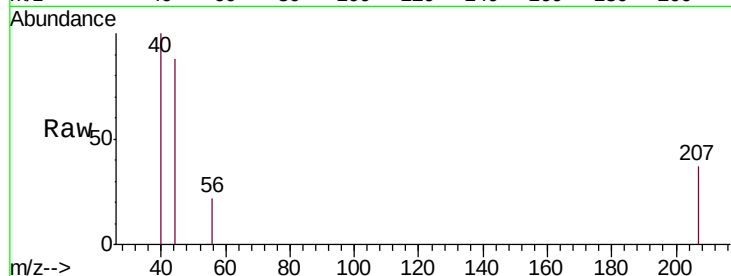
SS-4

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW013174.D

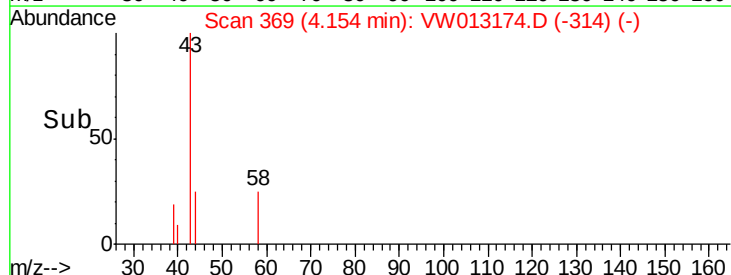
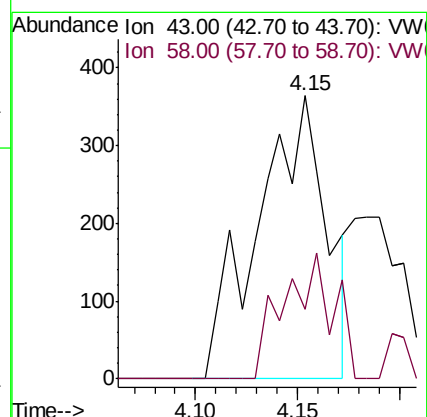
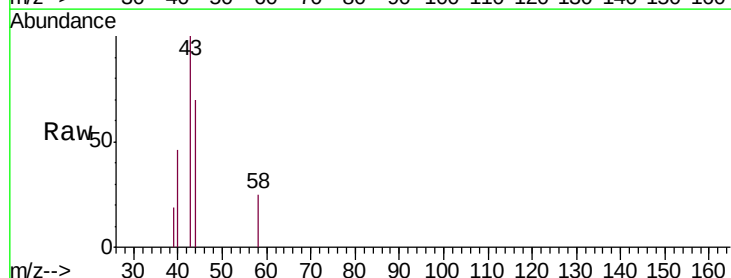
Acq: 19 Sep 2019 20:53

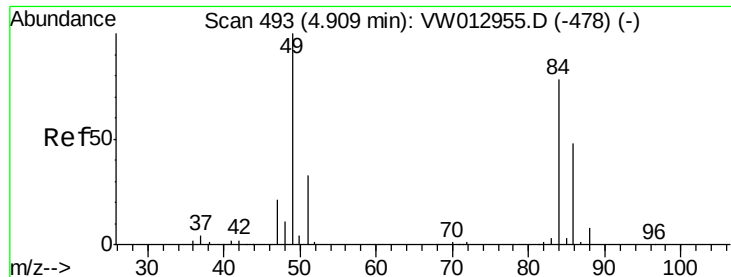
Tgt Ion: 43 Resp: 862

Ion Ratio Lower Upper

43 100

58 24.7 22.3 33.5

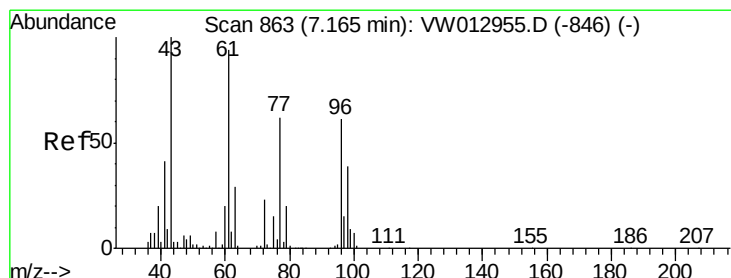
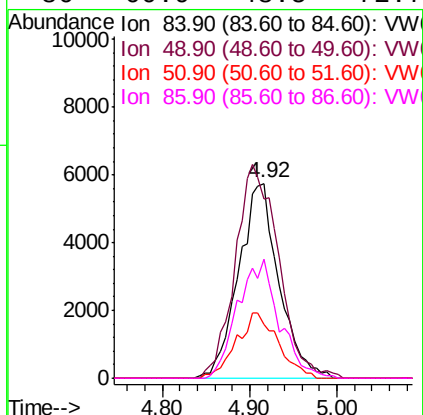
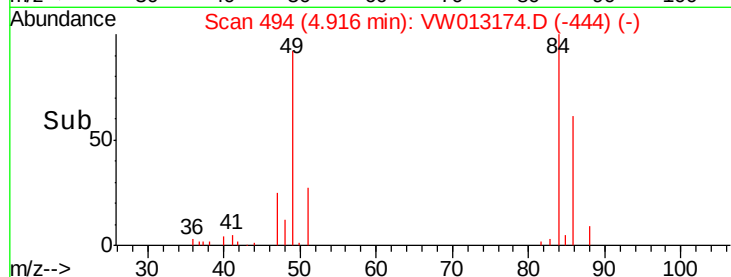
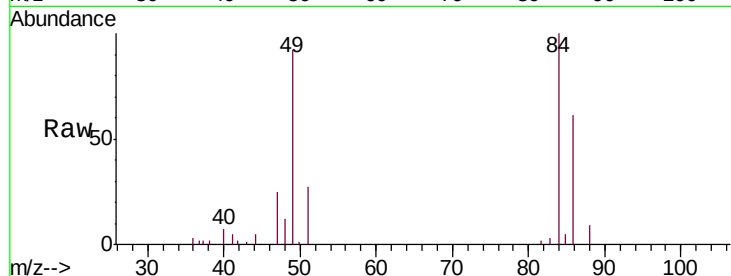




#20
Methylene Chloride
Concen: 2.278 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013174.D
Acq: 19 Sep 2019 20:53

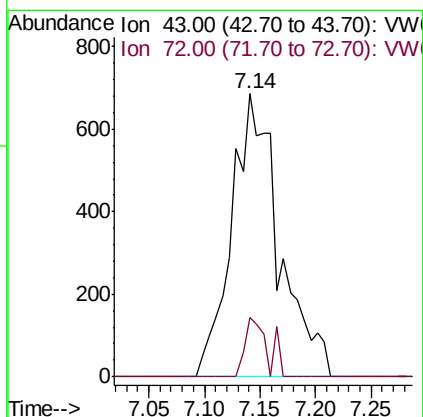
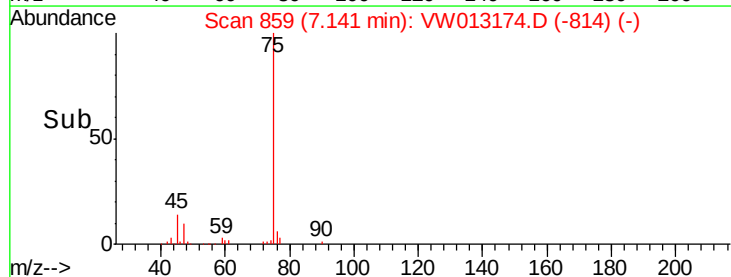
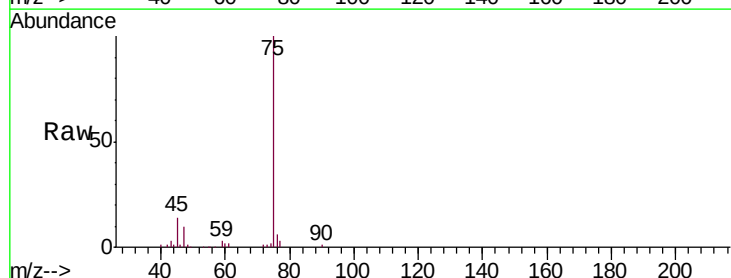
Instrument :
MSVOA_W
ClientSampleId :
SS-4

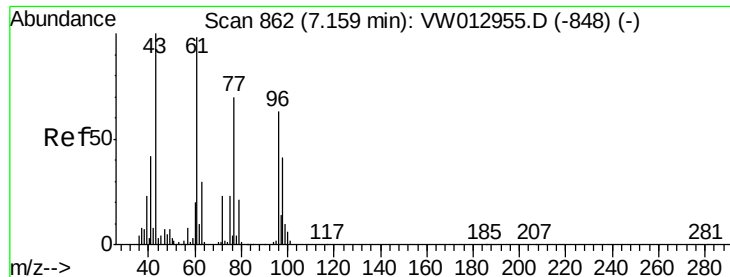
Tgt Ion: 84 Resp: 18450
Ion Ratio Lower Upper
84 100
49 92.1 102.0 153.0#
51 27.4 34.0 51.0#
86 60.9 48.5 72.7



#25
2-Butanone
Concen: 2.033 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013174.D
Acq: 19 Sep 2019 20:53

Tgt Ion: 43 Resp: 2042
Ion Ratio Lower Upper
43 100
72 21.1 18.2 27.4

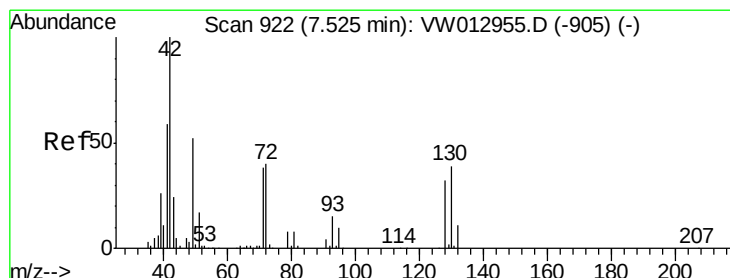
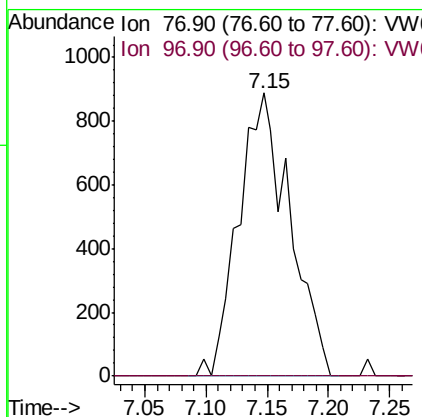
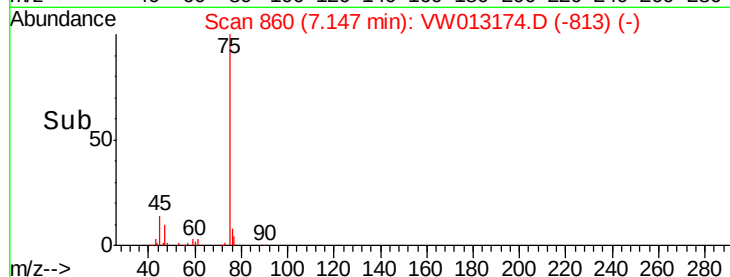
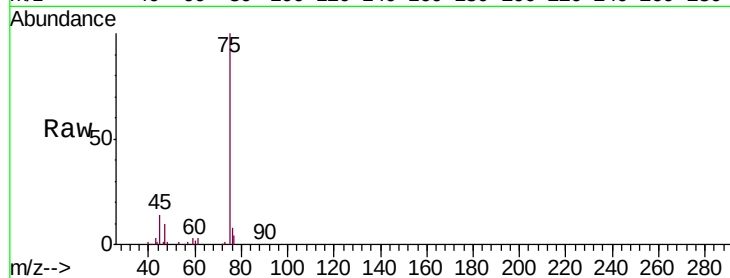




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VW013174.D
 Acq: 19 Sep 2019 20:53

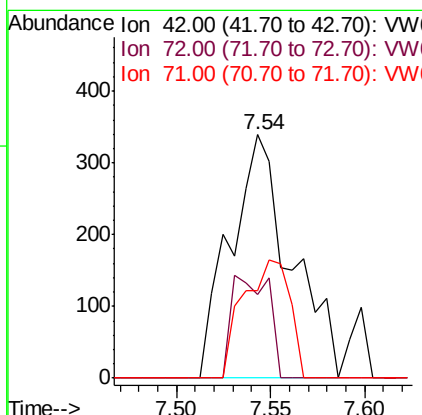
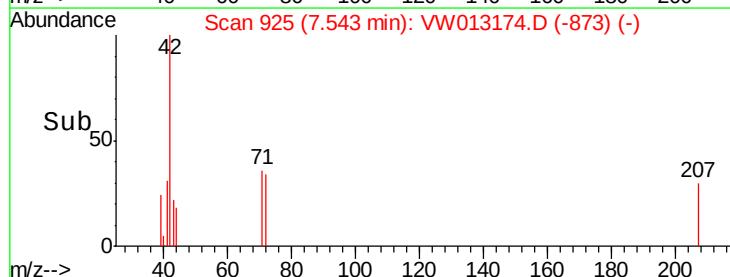
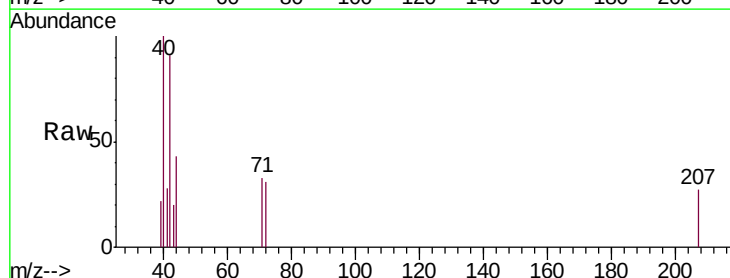
Instrument :
 MSVOA_W
 ClientSampled :
 SS-4

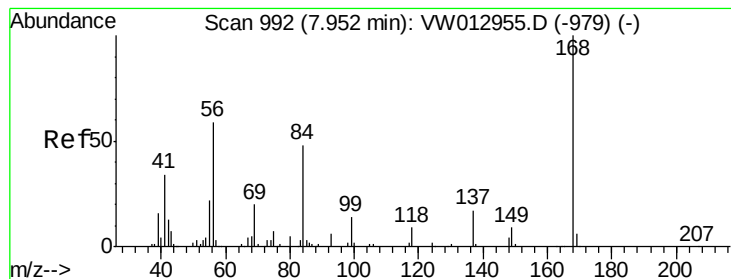
Tgt Ion: 77 Resp: 2576
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 1.321 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VW013174.D
 Acq: 19 Sep 2019 20:53

Tgt Ion: 42 Resp: 756
 Ion Ratio Lower Upper
 42 100
 72 25.7 31.4 47.0#
 71 37.3 29.8 44.8





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013174.D

Acq: 19 Sep 2019 20:53

Instrument :

MSVOA_W

ClientSampled :

SS-4

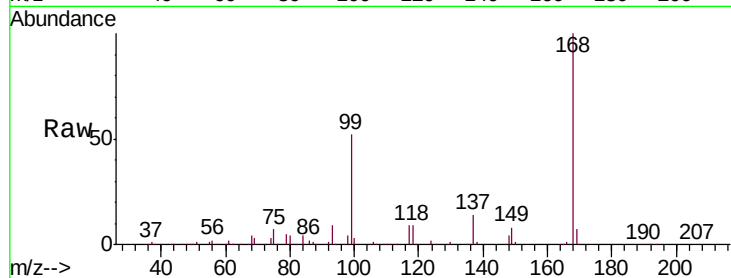
Tgt Ion: 56 Resp: 5746

Ion Ratio Lower Upper

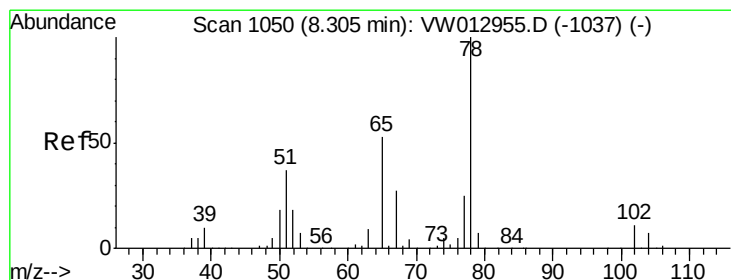
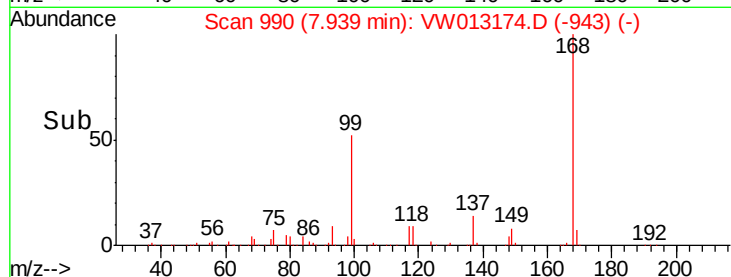
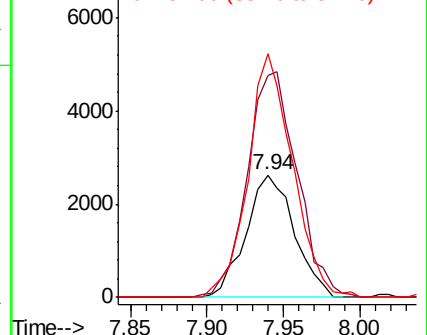
56 100

69 181.6 27.0 40.6#

84 199.0 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: 41.756 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013174.D

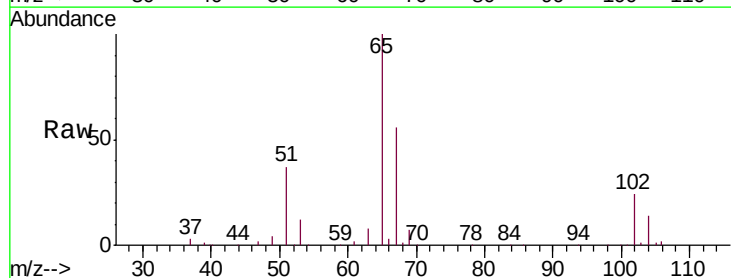
Acq: 19 Sep 2019 20:53

Tgt Ion: 65 Resp: 131923

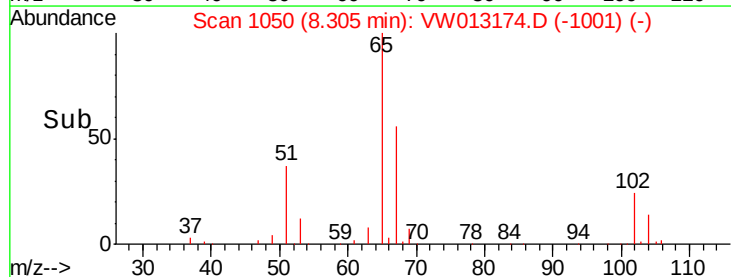
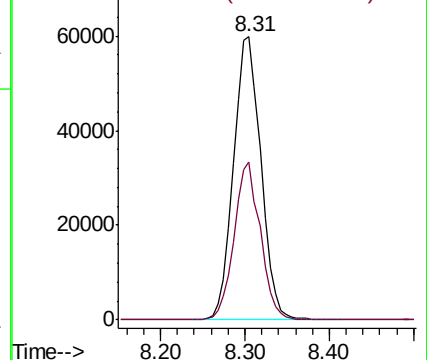
Ion Ratio Lower Upper

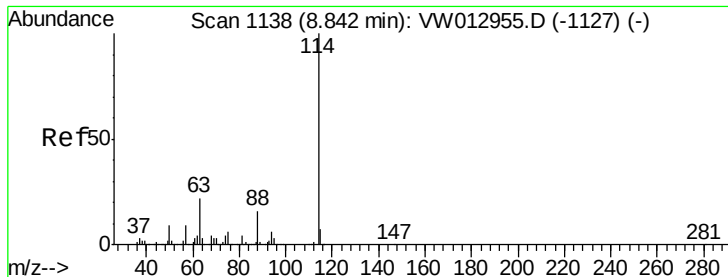
65 100

67 53.3 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

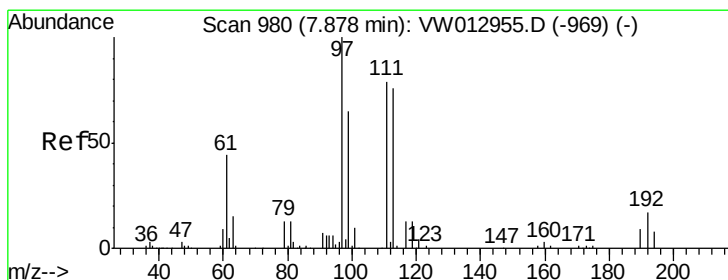
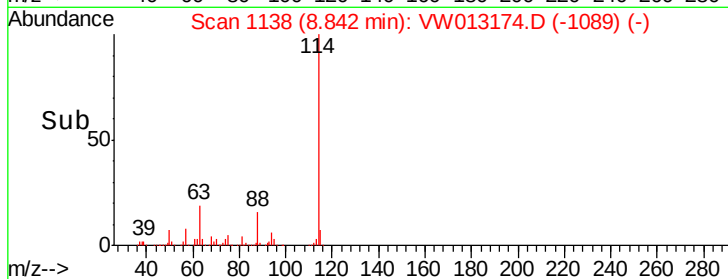
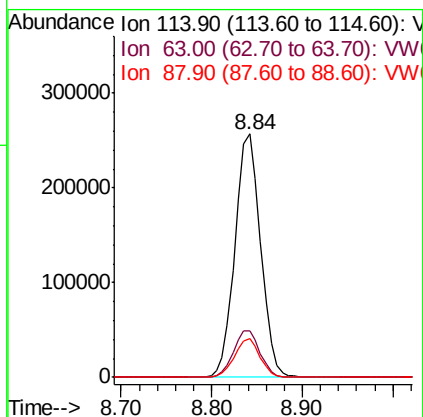
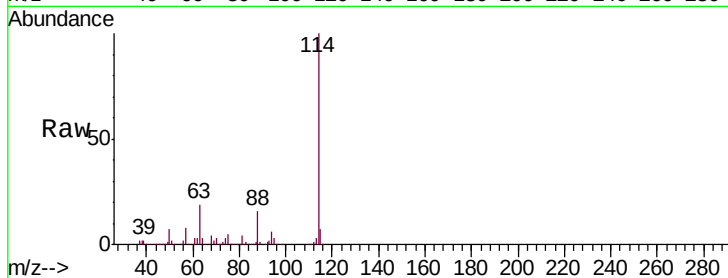




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW013174.D
Acq: 19 Sep 2019 20:53

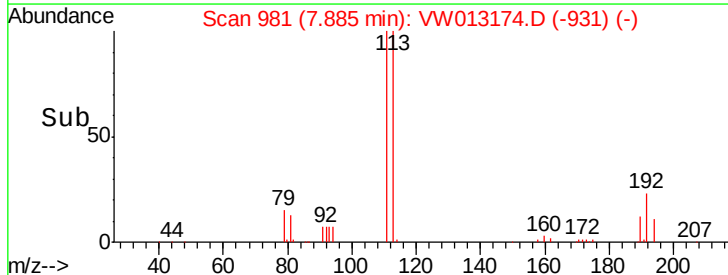
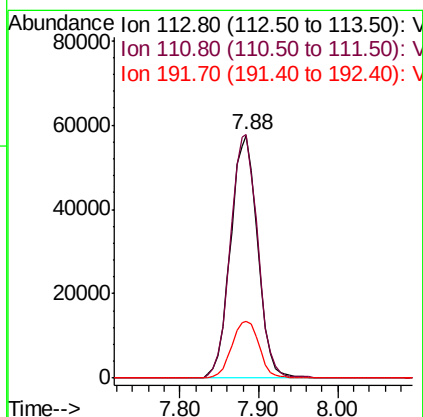
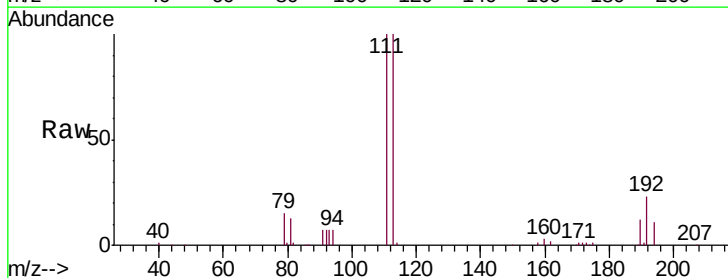
Instrument :
MSVOA_W
ClientSampleId :
SS-4

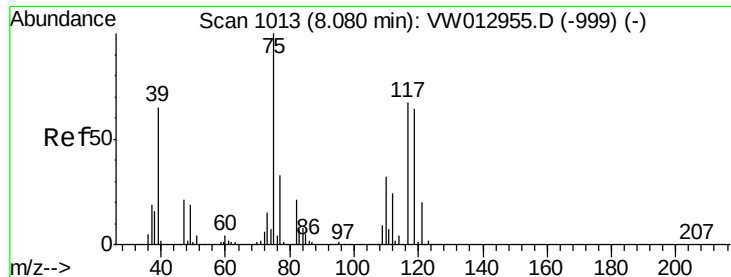
Tgt Ion:114 Resp: 503733
Ion Ratio Lower Upper
114 100
63 19.3 0.0 43.4
88 15.9 0.0 31.6



#35
Dibromofluoromethane
Concen: 50.025 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW013174.D
Acq: 19 Sep 2019 20:53

Tgt Ion:113 Resp: 136733
Ion Ratio Lower Upper
113 100
111 101.5 82.8 124.2
192 23.7 17.8 26.8

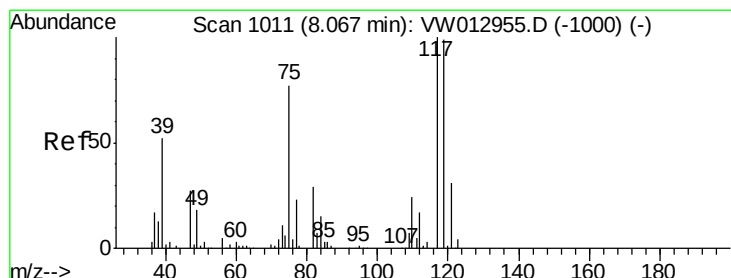
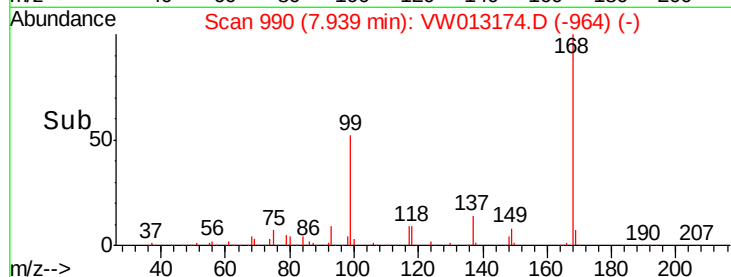
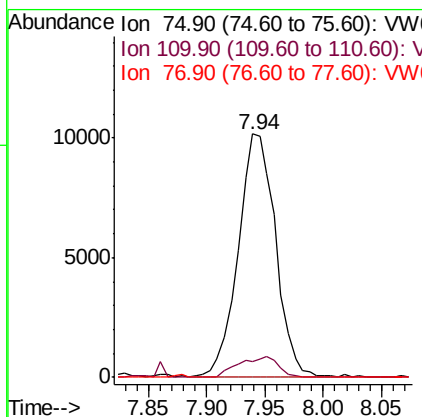
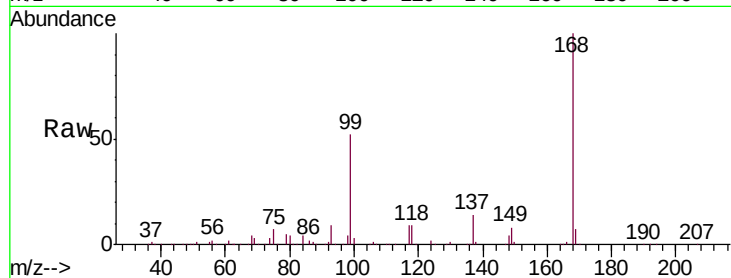




#36
 1,1-Dichloropropene
 Concen: 5.654 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013174.D
 Acq: 19 Sep 2019 20:53

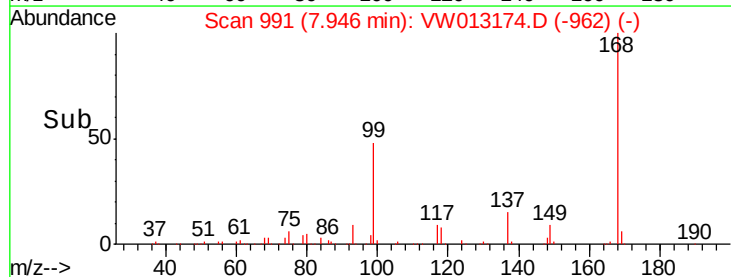
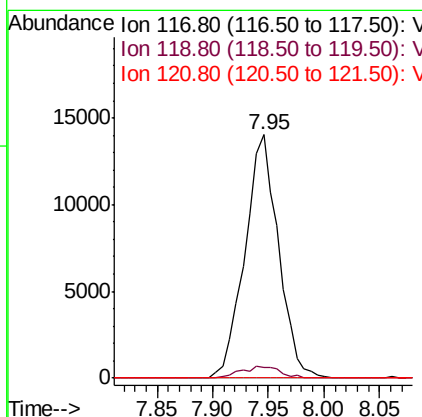
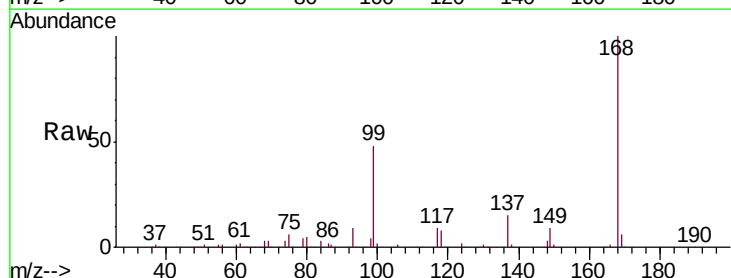
Instrument :
 MSVOA_W
 ClientSampled :
 SS-4

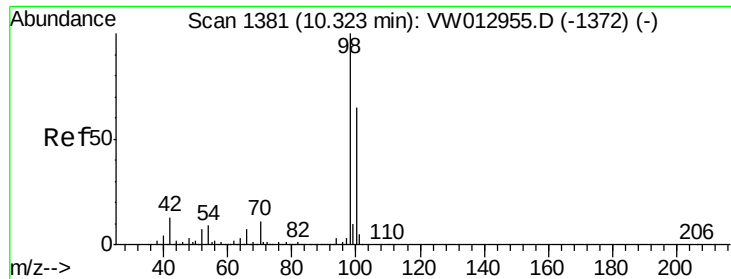
Tgt Ion: 75 Resp: 22758
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.134 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013174.D
 Acq: 19 Sep 2019 20:53

Tgt Ion: 117 Resp: 29428
 Ion Ratio Lower Upper
 117 100
 119 4.5 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 54.270 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013174.D

Acq: 19 Sep 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

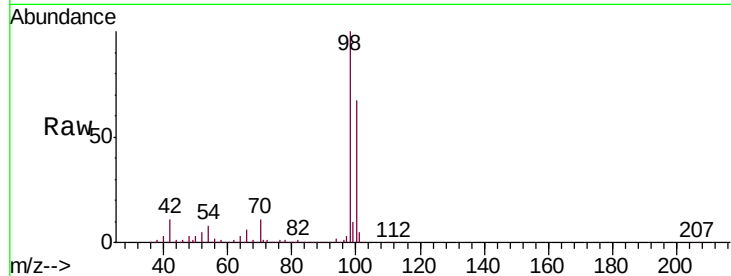
SS-4

Tgt Ion: 98 Resp: 580455

Ion Ratio Lower Upper

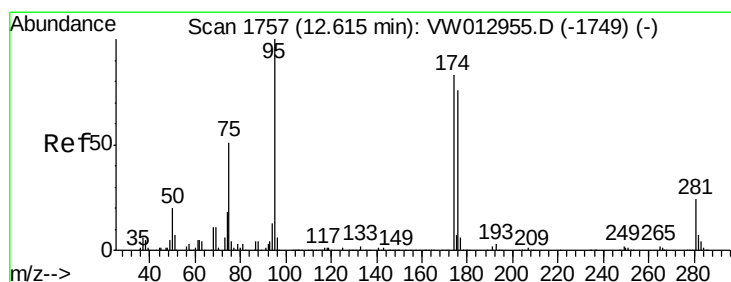
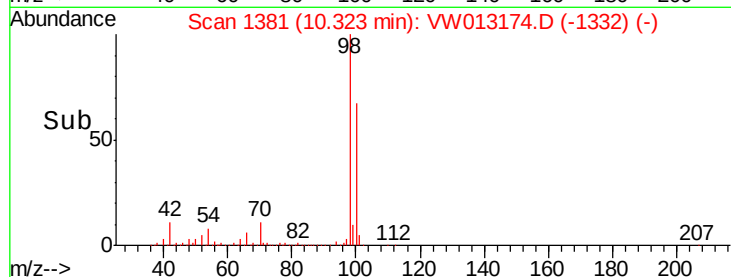
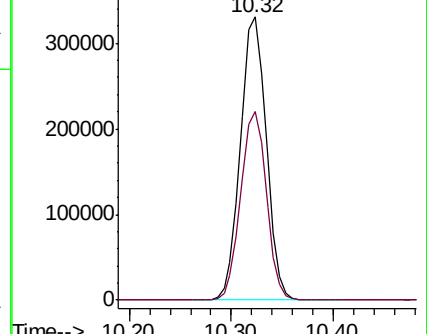
98 100

100 66.1 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: 44.607 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013174.D

Acq: 19 Sep 2019 20:53

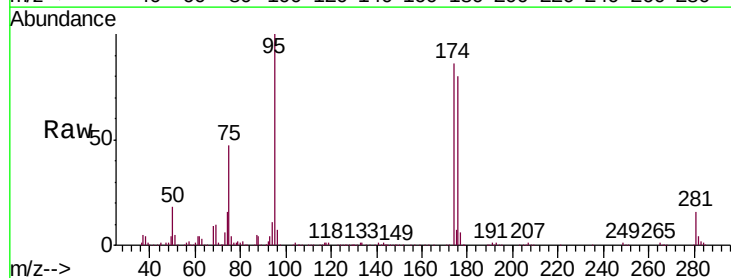
Tgt Ion: 95 Resp: 171558

Ion Ratio Lower Upper

95 100

174 85.6 0.0 170.4

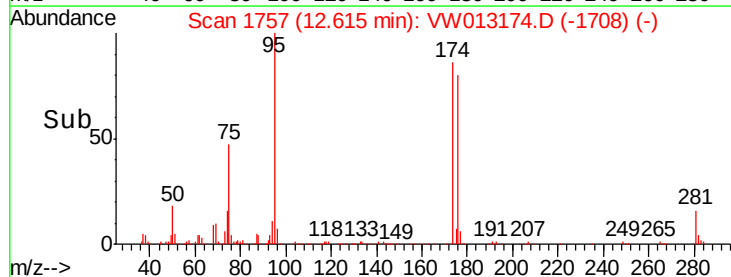
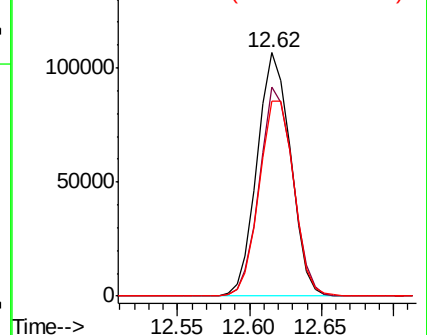
176 83.3 0.0 164.6

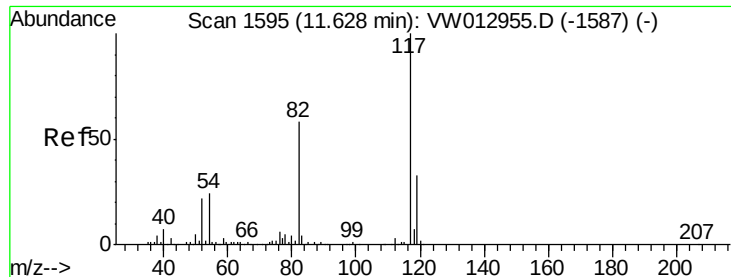


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

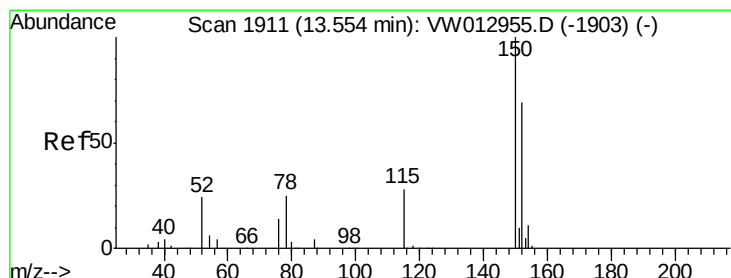
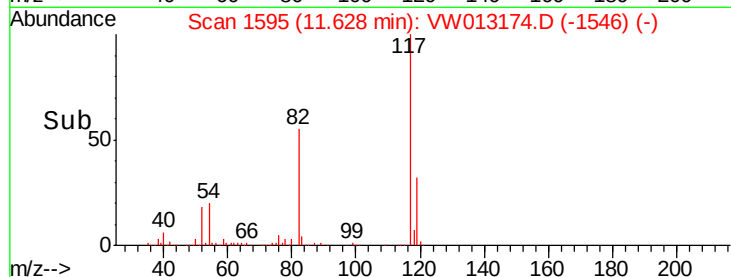
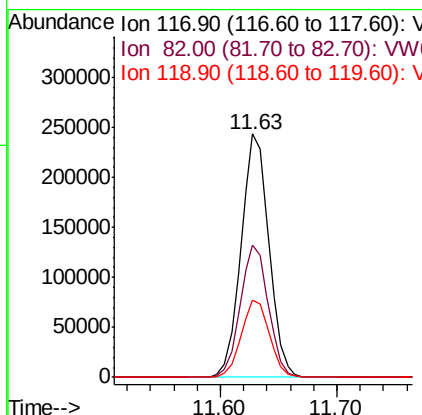
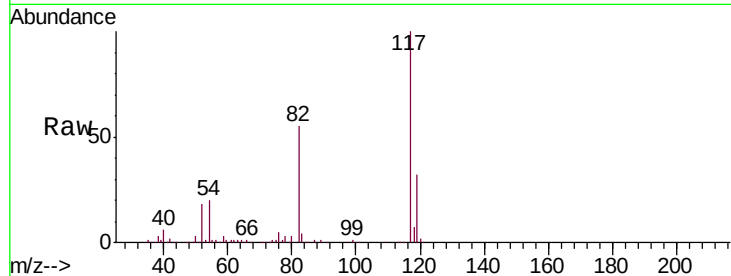




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013174.D
Acq: 19 Sep 2019 20:53

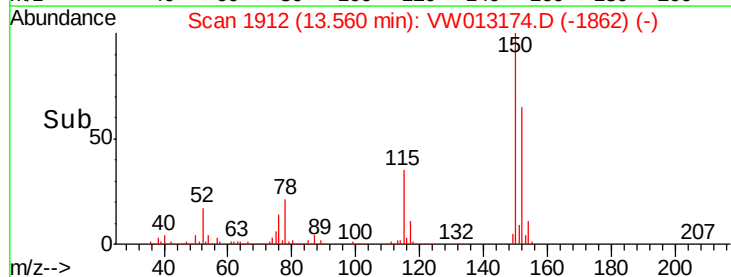
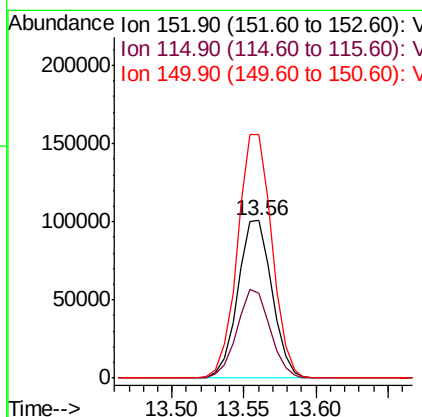
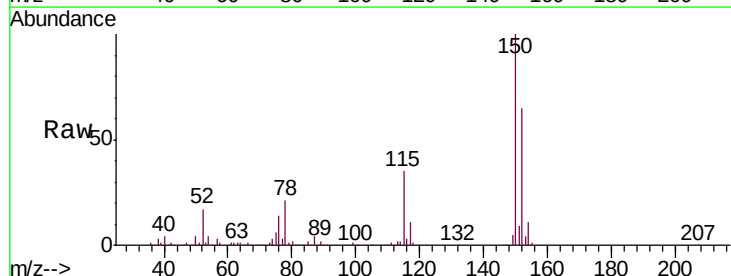
Instrument :
MSVOA_W
ClientSampled :
SS-4

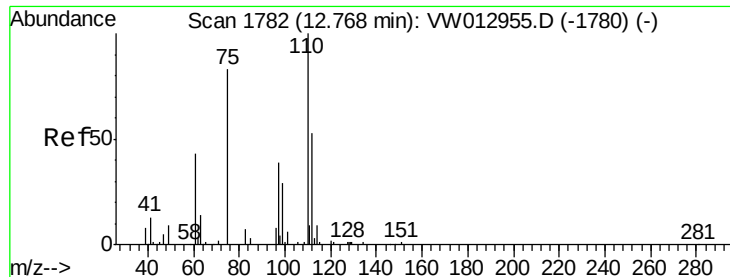
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.5	46.3	69.5
119	31.7	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013174.D
Acq: 19 Sep 2019 20:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	28.8	86.4
150	155.5	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 56.127 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013174.D

Acq: 19 Sep 2019 20:53

Instrument :

MSVOA_W

ClientSampled :

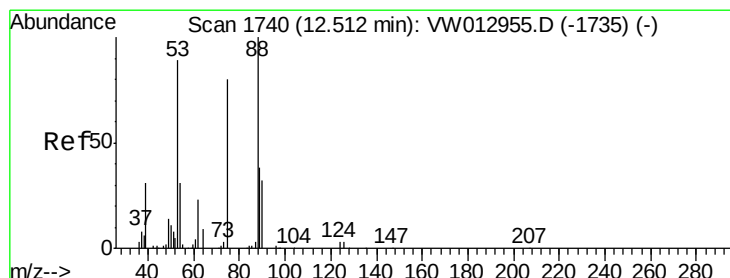
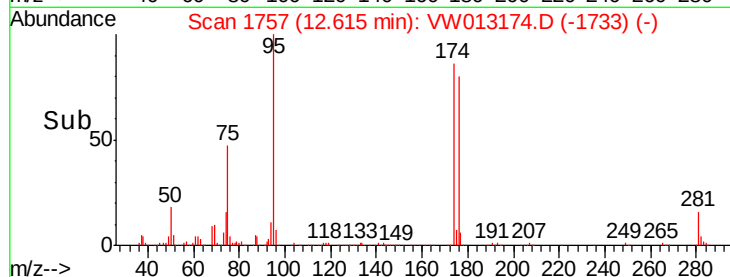
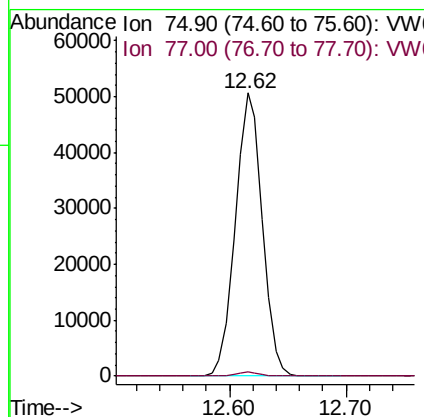
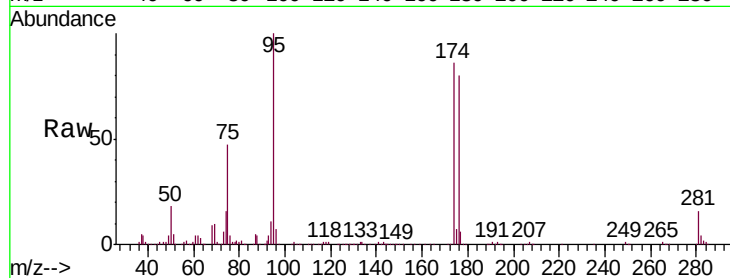
SS-4

Tgt Ion: 75 Resp: 81417

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.322 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013174.D

Acq: 19 Sep 2019 20:53

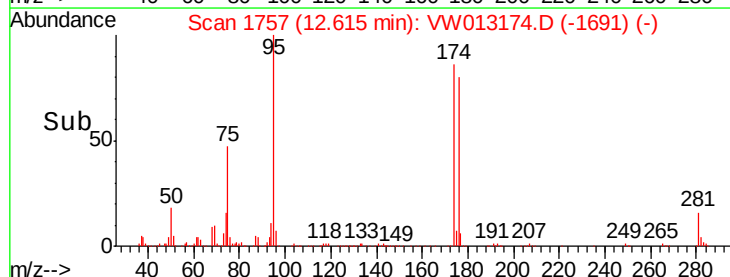
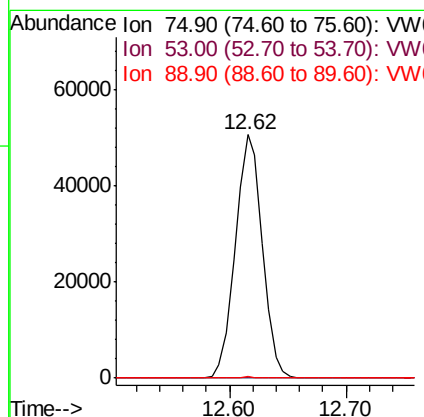
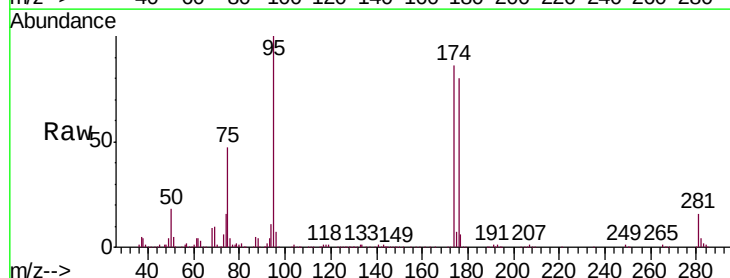
Tgt Ion: 75 Resp: 81417

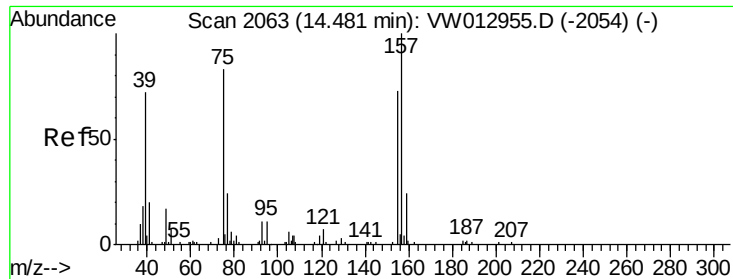
Ion Ratio Lower Upper

75 100

53 0.1 85.6 128.4#

89 0.3 37.2 55.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.119 ug/l

RT: 14.33 min Scan# 2039

Delta R.T. -0.15 min

Lab File: VW013174.D

Acq: 19 Sep 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

SS-4

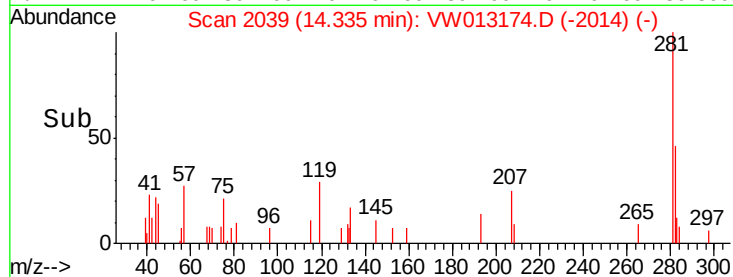
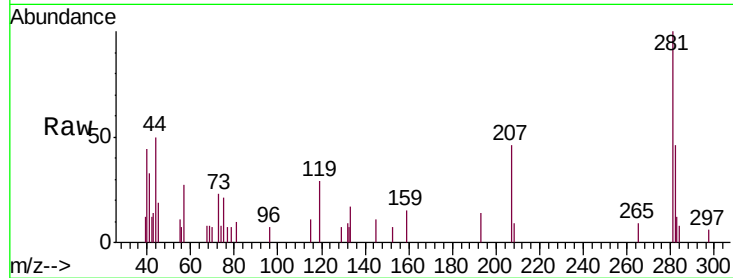
Tgt Ion: 75 Resp: 395

Ion Ratio Lower Upper

75 100

155 0.0 43.3 129.9#

157 0.0 54.7 164.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

