

Data File : VW013166.D
Acq On : 19 Sep 2019 17:26
Operator : SY/VA
Sample : K4877-03
Misc : 5.83G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CSA-2-2-1

Quant Time: Sep 20 07:47:38 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	203376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	288590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	183917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	42491	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	86929	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
35) Dibromofluoromethane	7.88	113	84560	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
50) Toluene-d8	10.32	98	320100	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.62	95	60169	27.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.62%	

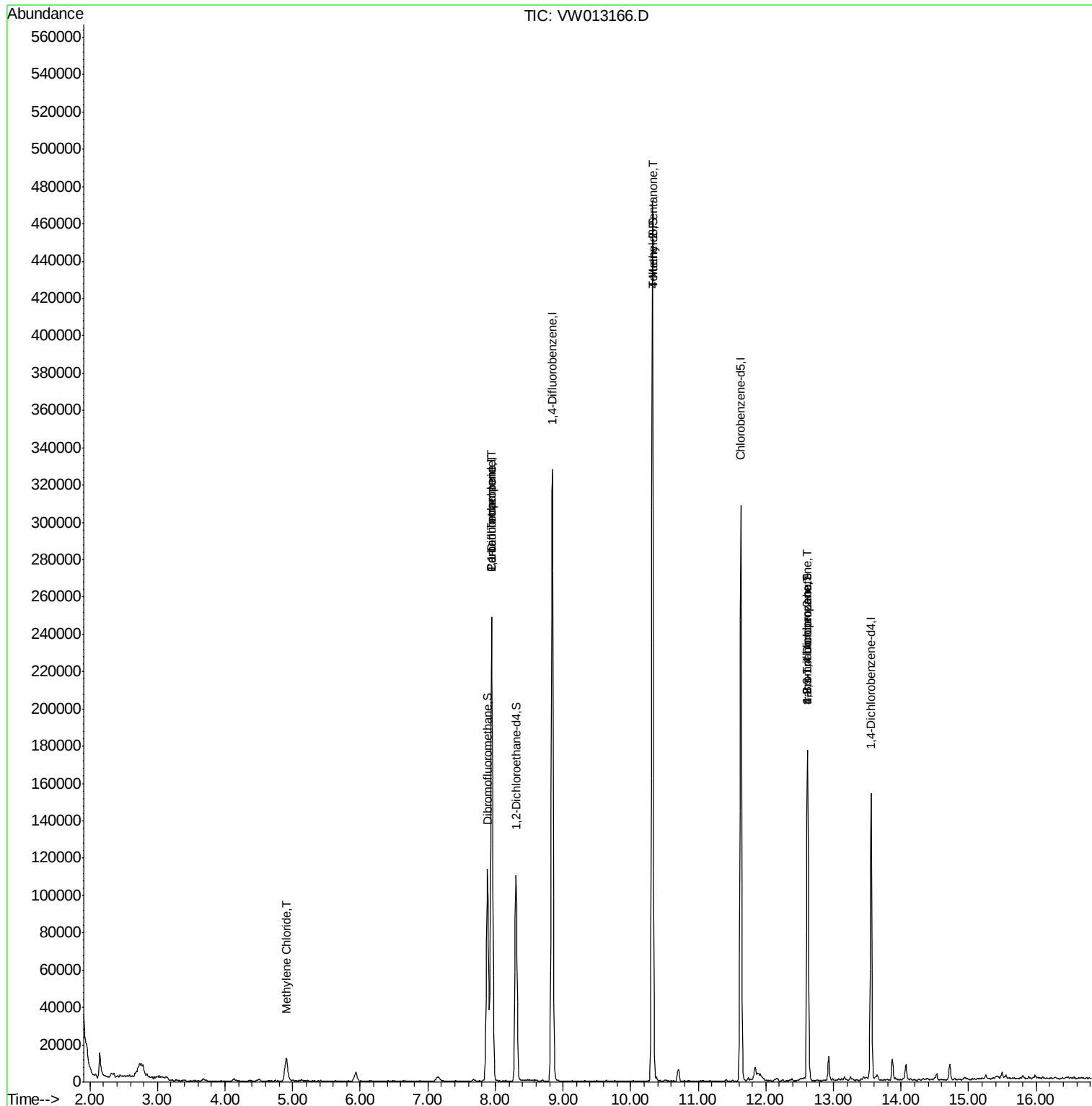
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	43	Below Cal	#	44
3) Chloromethane	2.21	50	125	Below Cal	#	41
11) Tert butyl alcohol	5.13	59	77	Below Cal	#	72
13) Acrolein	3.93	56	23	Below Cal	#	15
16) Acetone	4.14	43	2835	Below Cal	#	87
20) Methylene Chloride	4.91	84	9579	1.256 ug/l	#	80
26) 2,2-Dichloropropane	7.16	77	27	Below Cal	#	55
31) Cyclohexane	7.95	56	3425	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	13174	5.713 ug/l	#	53
38) Carbon Tetrachloride	7.95	117	17582	7.440 ug/l	#	15
51) 4-Methyl-2-Pentanone	10.32	43	1361	1.122 ug/l	#	1
76) 1,2,3-Trichloropropane	12.62	75	28166	75.677 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28166	171.672 ug/l	#	7

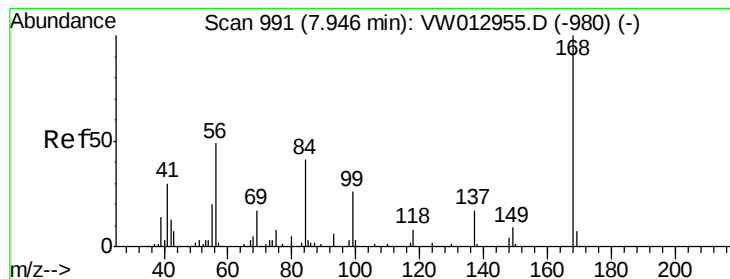
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013166.D

Acq: 19 Sep 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

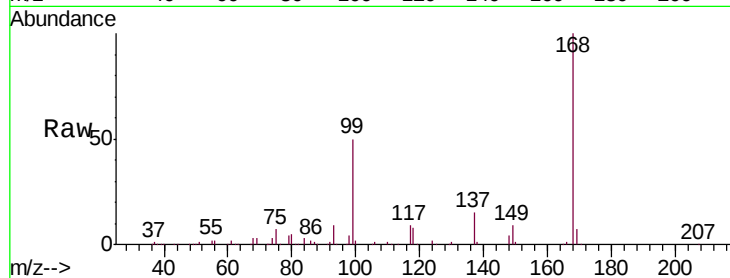
CSA-2-2-1

Tgt Ion:168 Resp: 203376

Ion Ratio Lower Upper

168 100

99 49.6 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

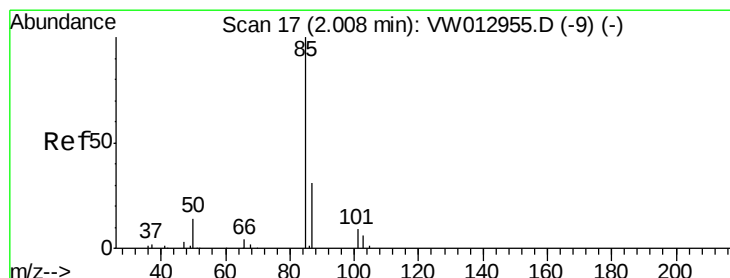
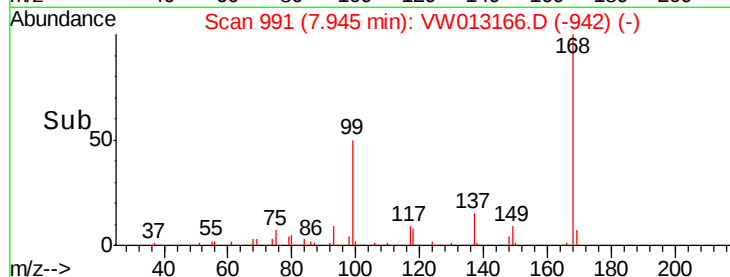
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013166.D

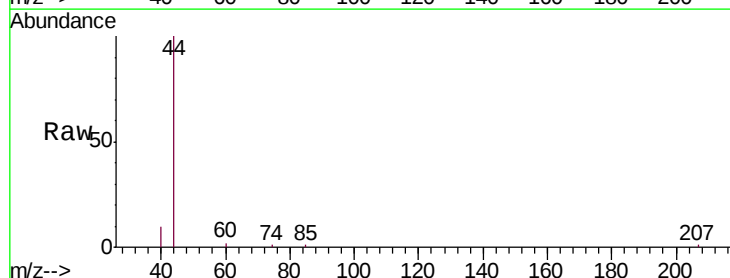
Acq: 19 Sep 2019 17:26

Tgt Ion: 85 Resp: 43

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

2.00

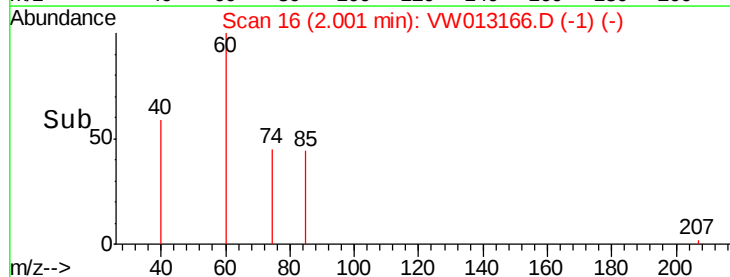
60

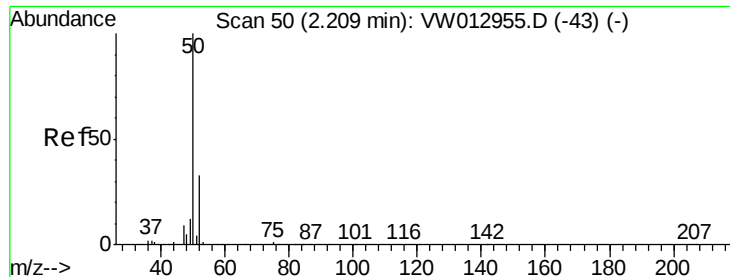
40

20

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013166.D

Acq: 19 Sep 2019 17:26

Instrument :

MSVOA_W

ClientSampled :

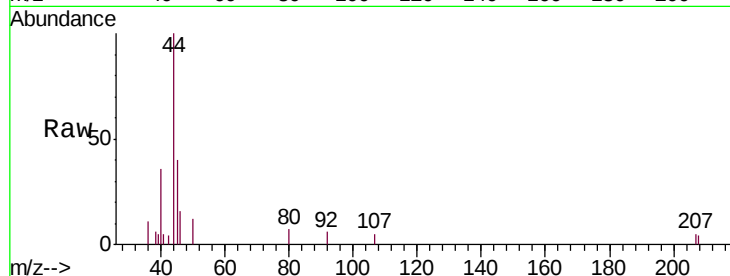
CSA-2-2-1

Tgt Ion: 50 Resp: 125

Ion Ratio Lower Upper

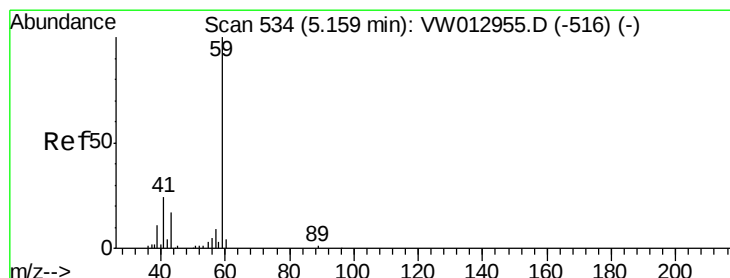
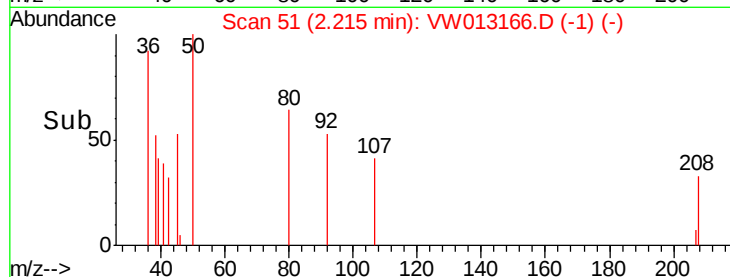
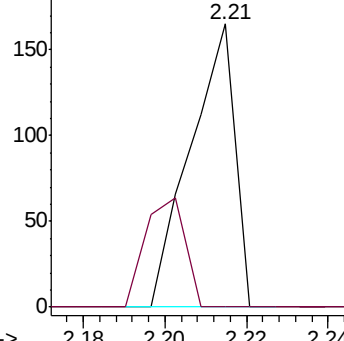
50 100

52 0.0 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: 5.13 min Scan# 529

Delta R.T. -0.03 min

Lab File: VW013166.D

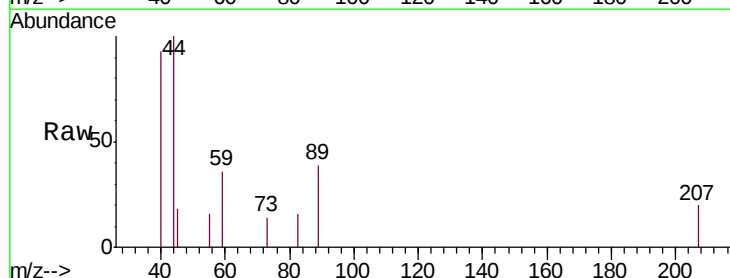
Acq: 19 Sep 2019 17:26

Tgt Ion: 59 Resp: 77

Ion Ratio Lower Upper

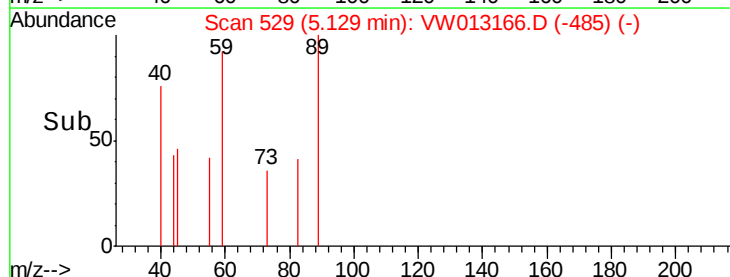
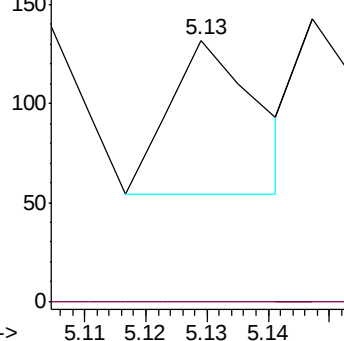
59 100

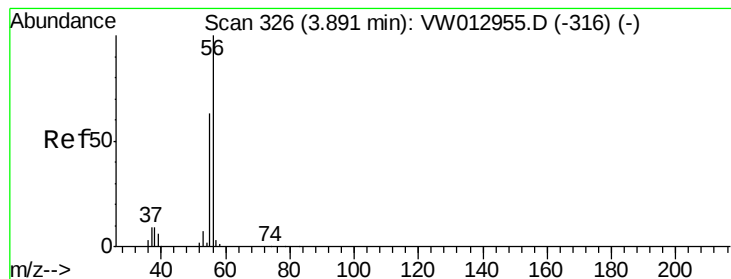
57 0.0 8.5 12.7#



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: 3.93 min Scan# 333

Delta R.T. 0.04 min

Lab File: VW013166.D

Acq: 19 Sep 2019 17:26

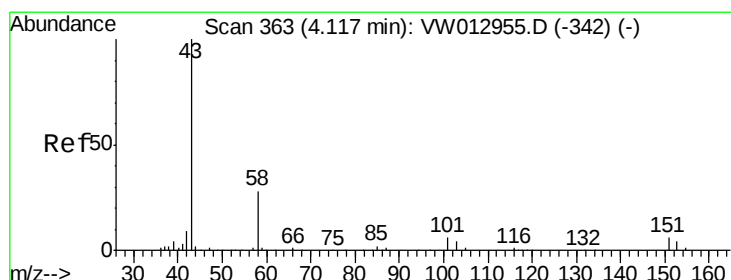
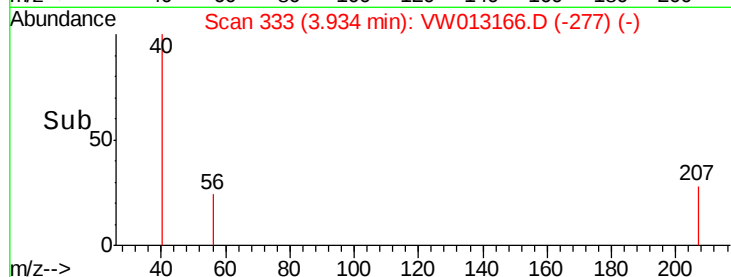
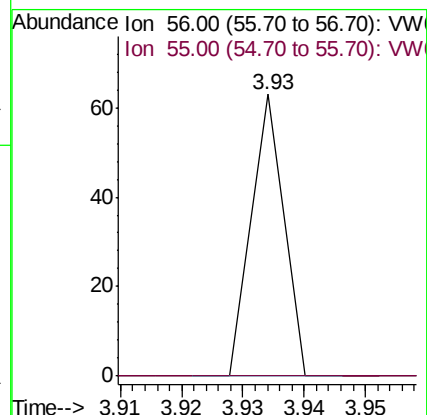
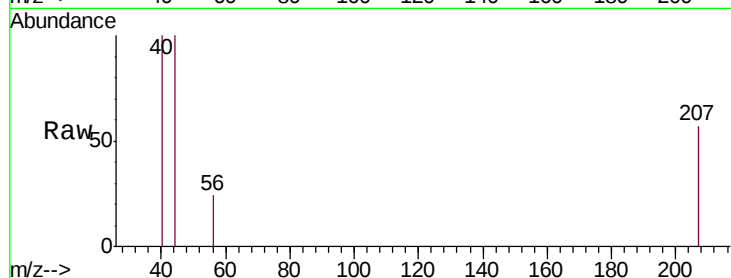
Instrument :
MSVOA_W
ClientSampleId :
CSA-2-2-1

Tgt Ion: 56 Resp: 23

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: VW013166.D

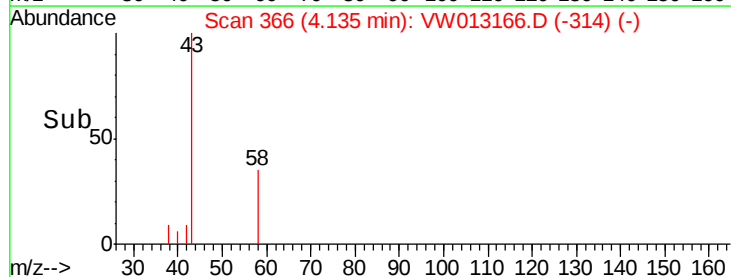
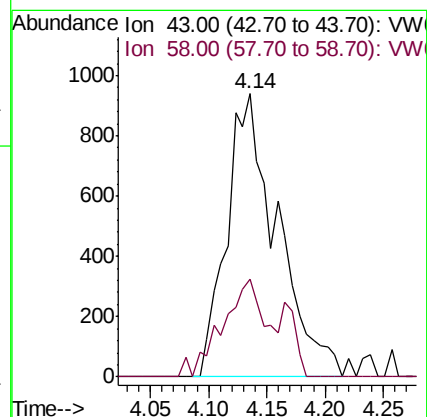
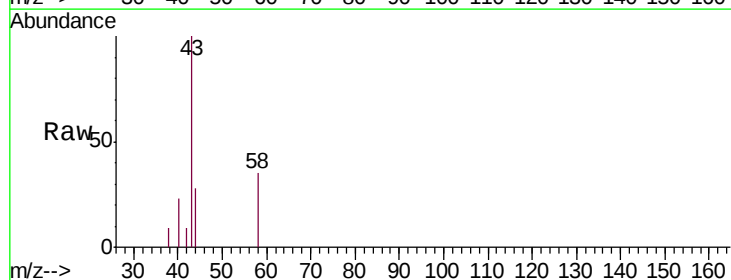
Acq: 19 Sep 2019 17:26

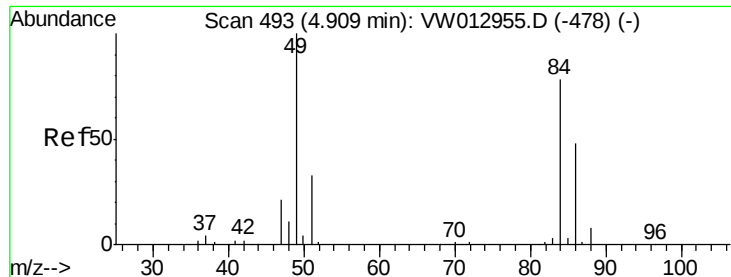
Tgt Ion: 43 Resp: 2835

Ion Ratio Lower Upper

43 100

58 34.5 22.3 33.5#

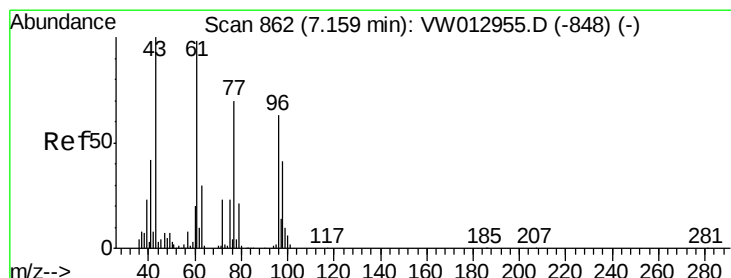
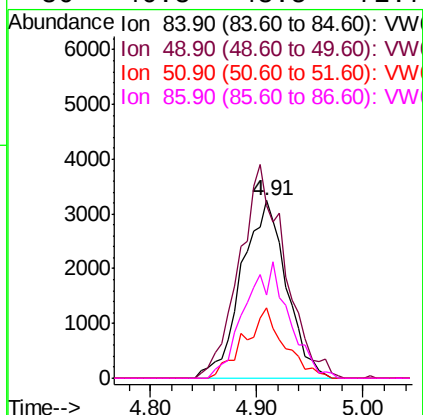
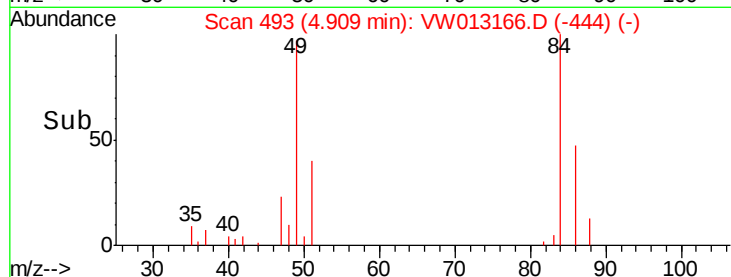
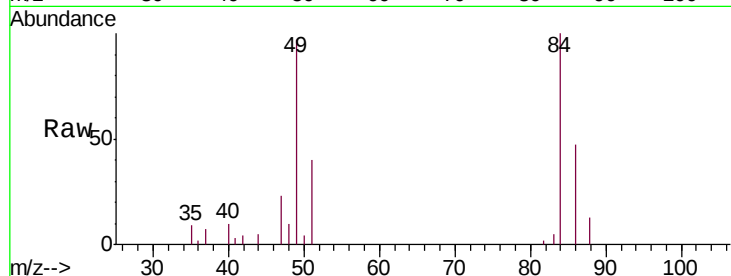




#20
Methylene Chloride
Concen: 1.256 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013166.D
Acq: 19 Sep 2019 17:26

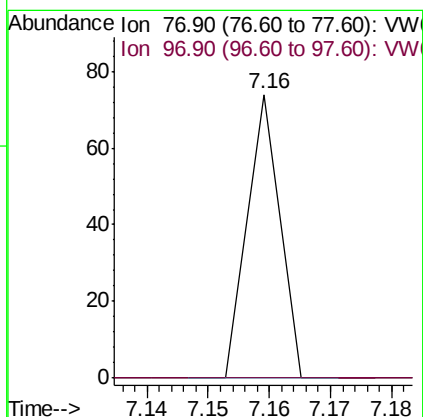
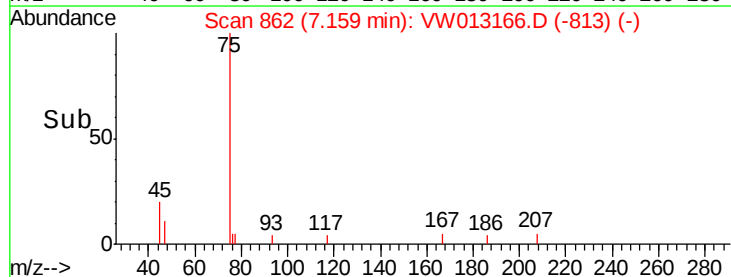
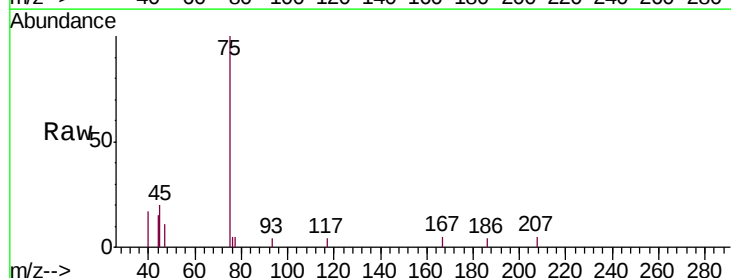
Instrument :
MSVOA_W
ClientSampleId :
CSA-2-2-1

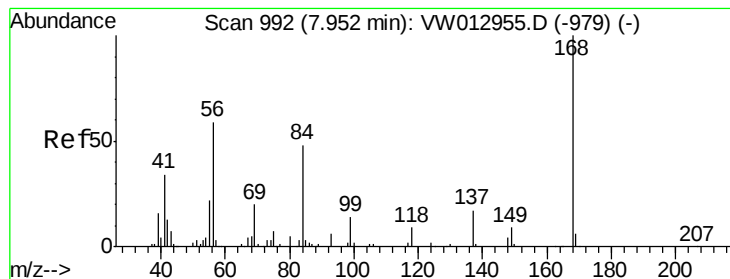
Tgt Ion: 84 Resp: 9579
Ion Ratio Lower Upper
84 100
49 97.5 102.0 153.0#
51 39.9 34.0 51.0
86 46.8 48.5 72.7#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW013166.D
Acq: 19 Sep 2019 17:26

Tgt Ion: 77 Resp: 27
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: VW013166.D

Acq: 19 Sep 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

CSA-2-2-1

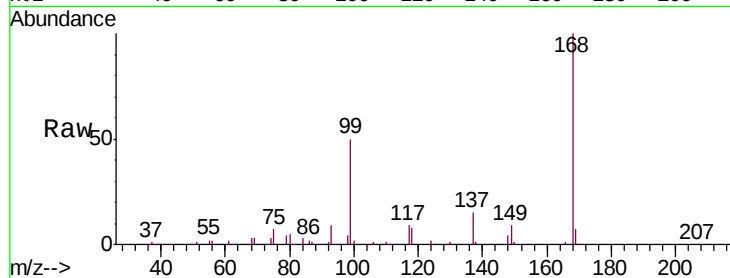
Tgt Ion: 56 Resp: 3425

Ion Ratio Lower Upper

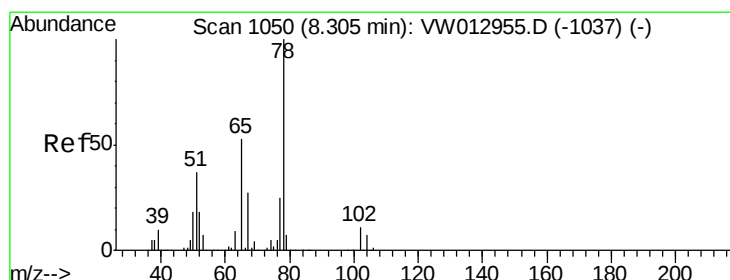
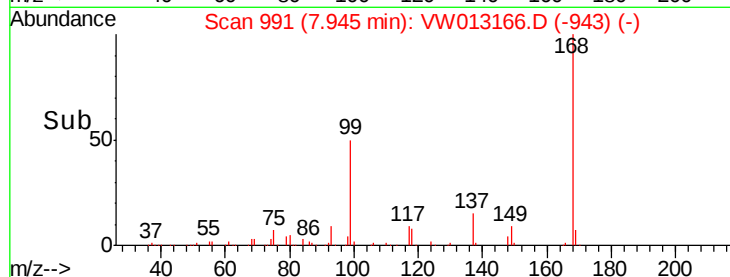
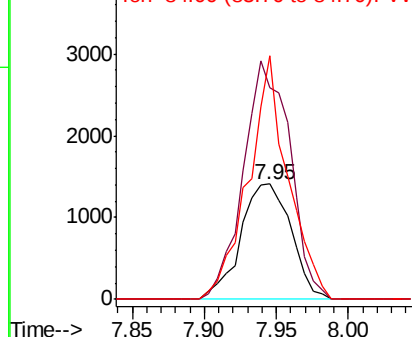
56 100

69 183.7 27.0 40.6#

84 211.6 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: 46.280 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013166.D

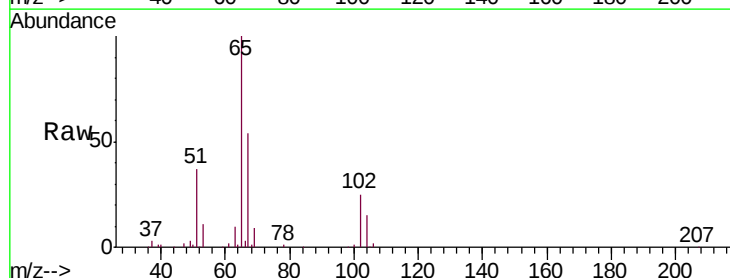
Acq: 19 Sep 2019 17:26

Tgt Ion: 65 Resp: 86929

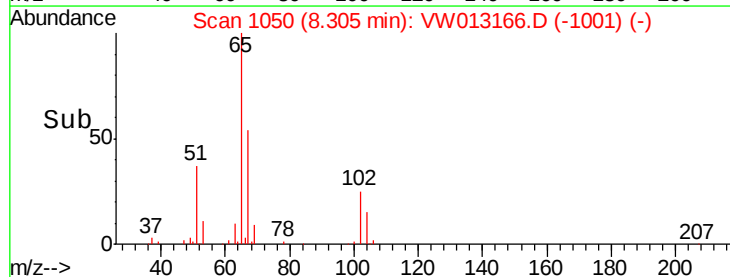
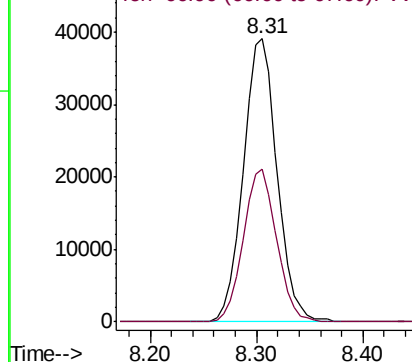
Ion Ratio Lower Upper

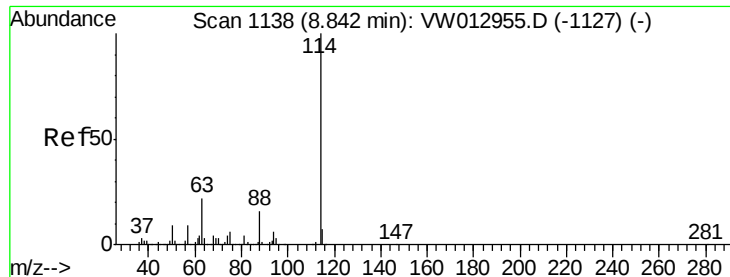
65 100

67 53.1 0.0 101.2



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

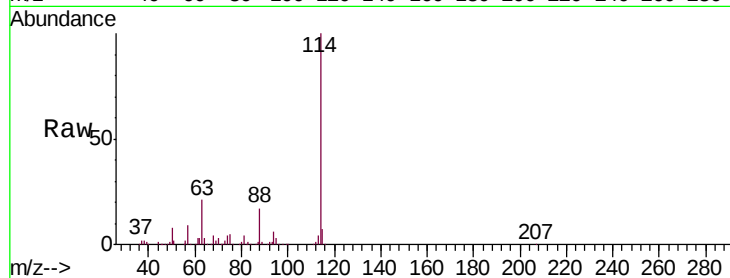




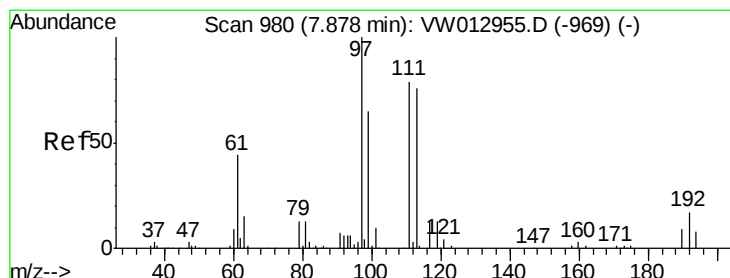
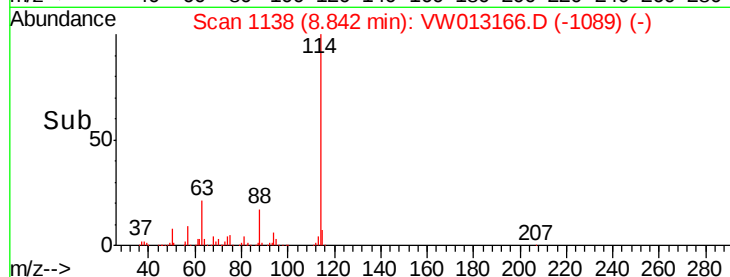
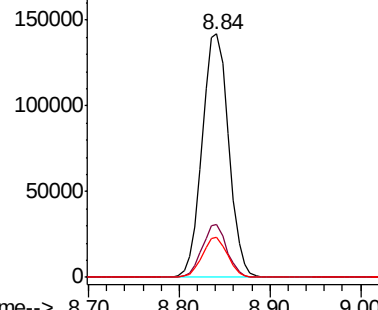
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013166.D
Acq: 19 Sep 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
CSA-2-2-1

Tgt Ion:114 Resp: 288590
Ion Ratio Lower Upper
114 100
63 21.5 0.0 43.4
88 16.7 0.0 31.6

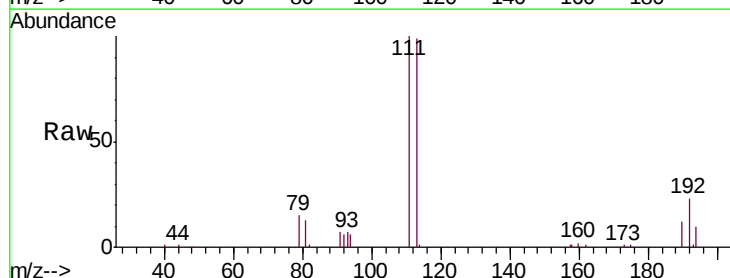


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

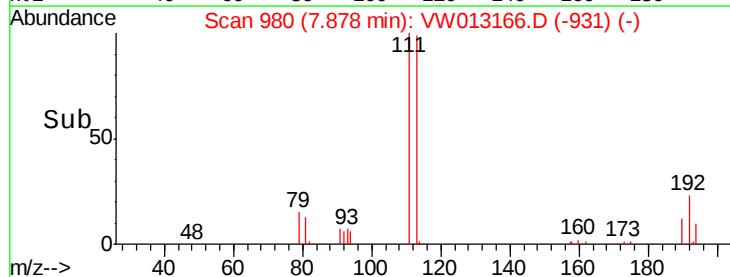
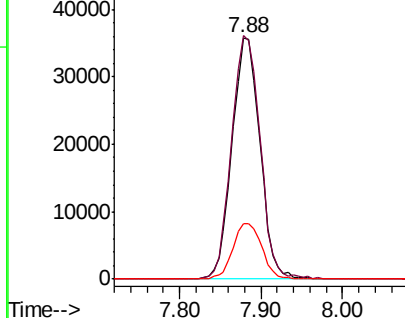


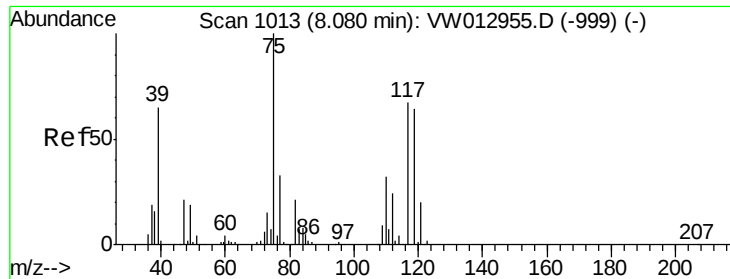
#35
Dibromofluoromethane
Concen: 54.000 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW013166.D
Acq: 19 Sep 2019 17:26

Tgt Ion:113 Resp: 84560
Ion Ratio Lower Upper
113 100
111 103.1 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

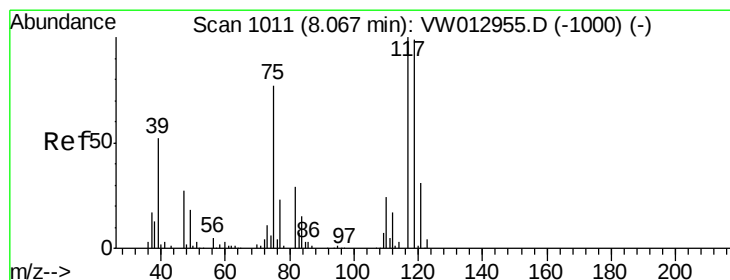
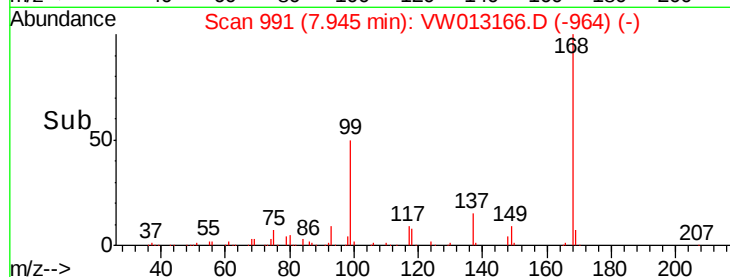
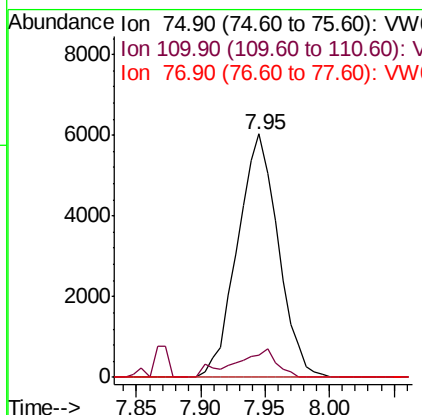
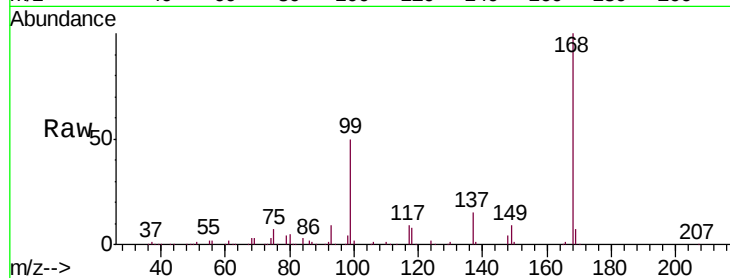




#36
 1,1-Dichloropropene
 Concen: 5.713 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013166.D
 Acq: 19 Sep 2019 17:26

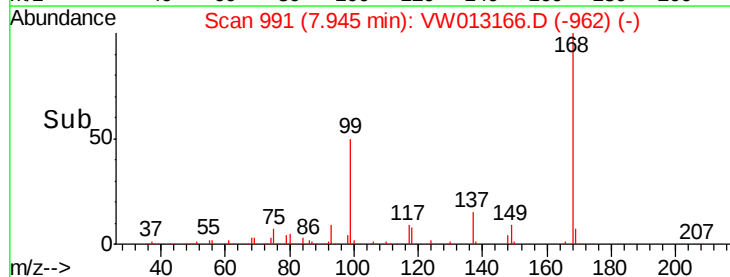
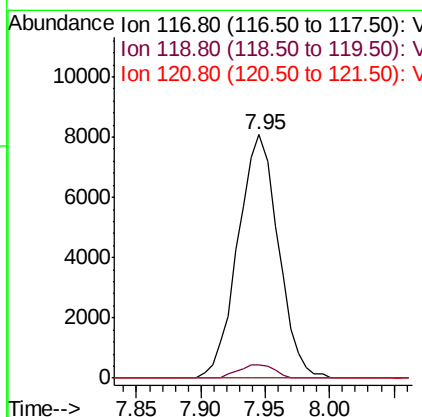
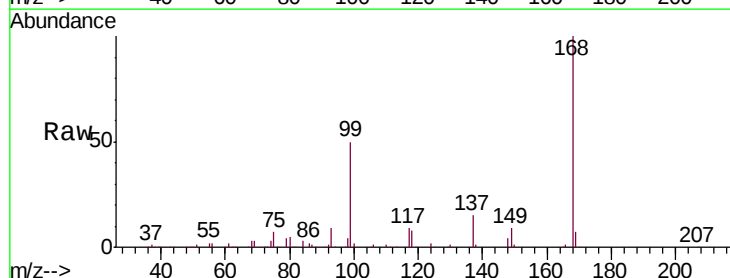
Instrument :
 MSVOA_W
 ClientSampled :
 CSA-2-2-1

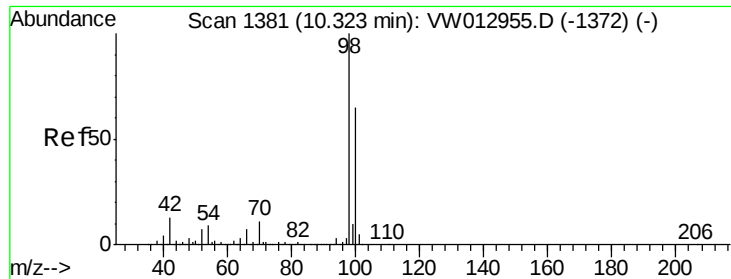
Tgt Ion: 75 Resp: 13174
 Ion Ratio Lower Upper
 75 100
 110 11.8 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.440 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013166.D
 Acq: 19 Sep 2019 17:26

Tgt Ion: 117 Resp: 17582
 Ion Ratio Lower Upper
 117 100
 119 5.6 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 52.239 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013166.D

Acq: 19 Sep 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

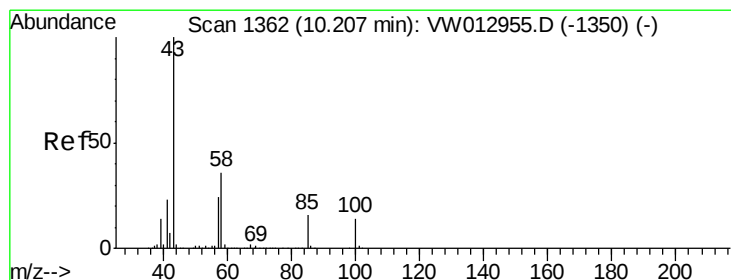
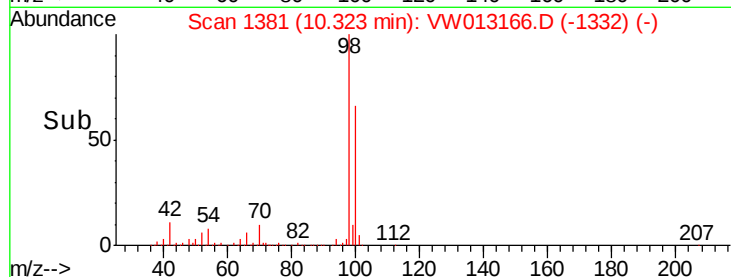
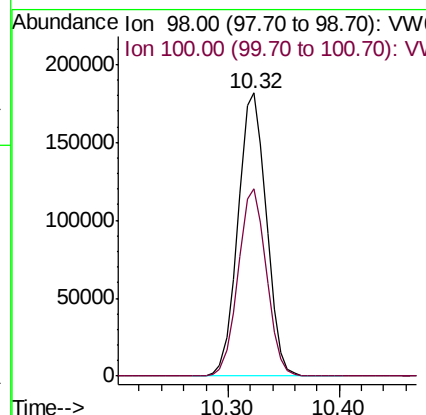
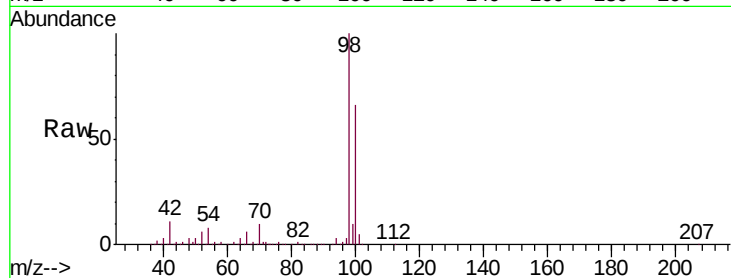
CSA-2-2-1

Tgt Ion: 98 Resp: 320100

Ion Ratio Lower Upper

98 100

100 65.9 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 1.122 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013166.D

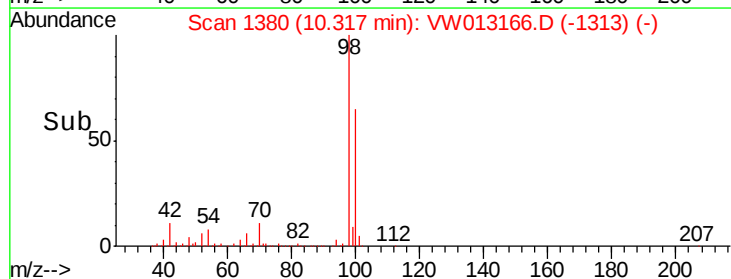
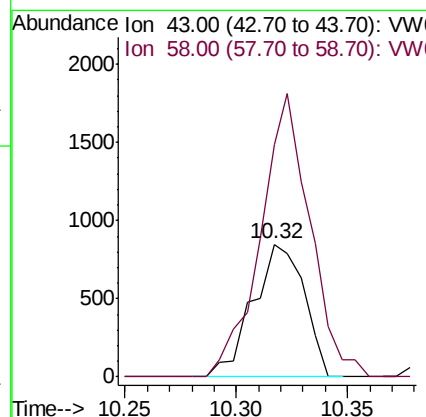
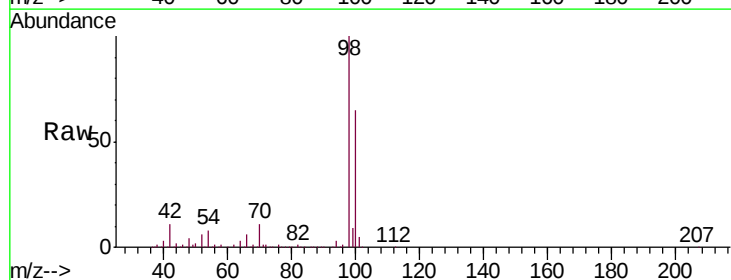
Acq: 19 Sep 2019 17:26

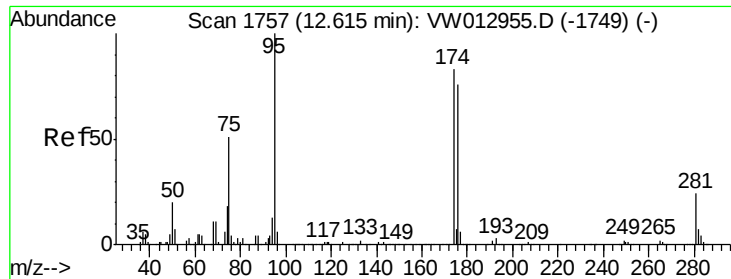
Tgt Ion: 43 Resp: 1361

Ion Ratio Lower Upper

43 100

58 206.0 29.5 44.3#





#62

4-Bromofluorobenzene

Concen: 27.308 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013166.D

Acq: 19 Sep 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

CSA-2-2-1

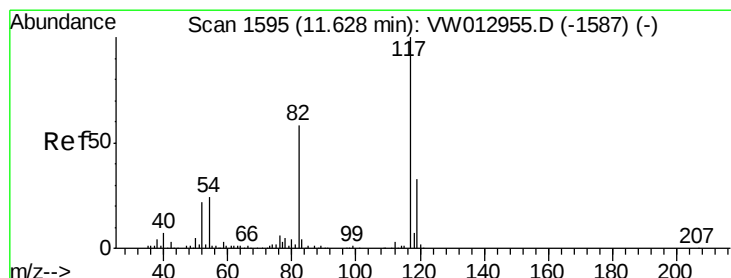
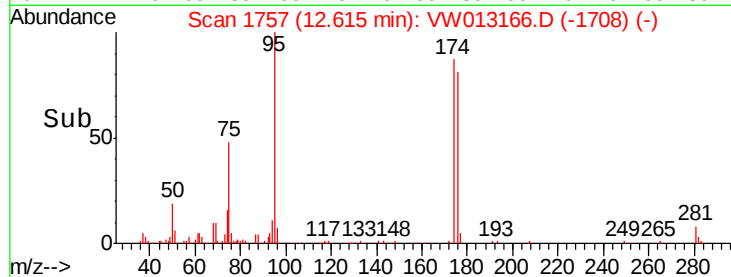
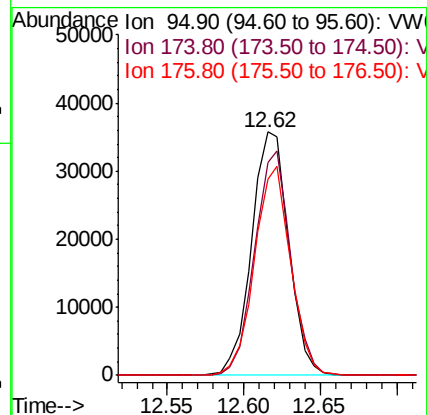
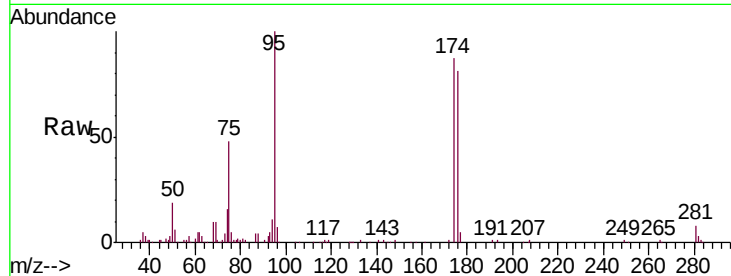
Tgt Ion: 95 Resp: 60169

Ion Ratio Lower Upper

95 100

174 89.5 0.0 170.4

176 83.9 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: VW013166.D

Acq: 19 Sep 2019 17:26

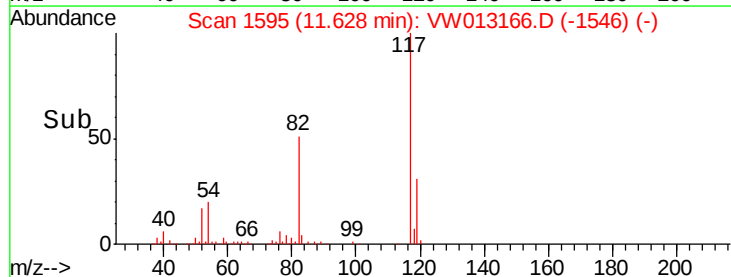
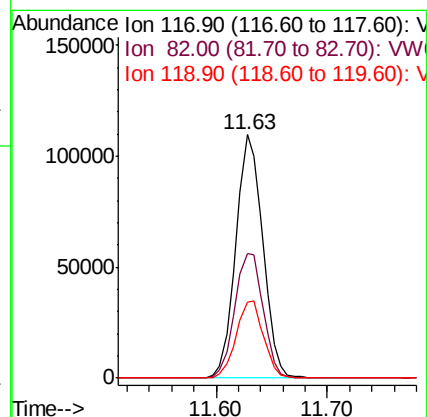
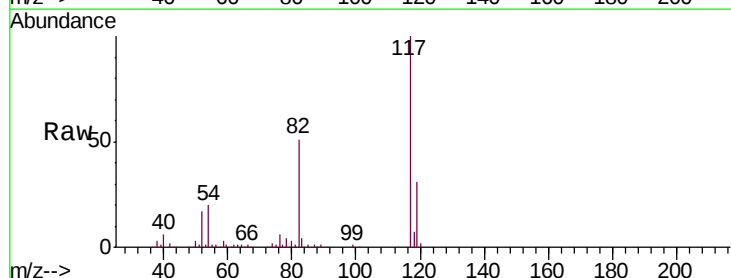
Tgt Ion: 117 Resp: 183917

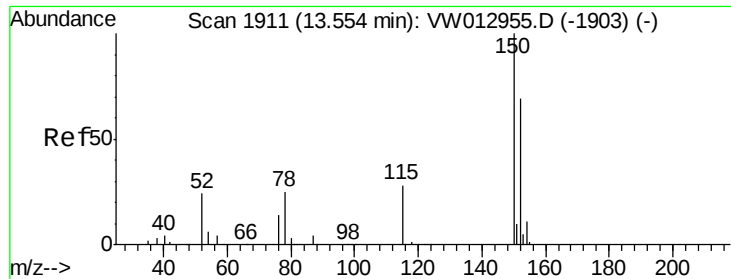
Ion Ratio Lower Upper

117 100

82 51.2 46.3 69.5

119 31.0 26.2 39.4



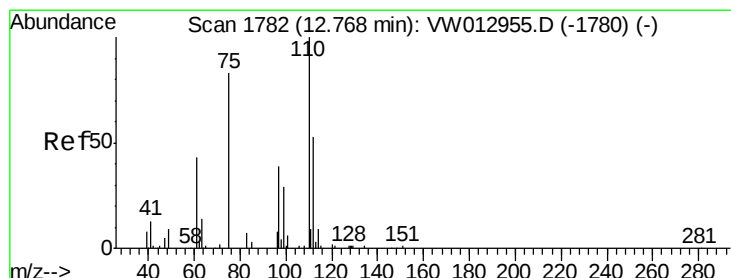
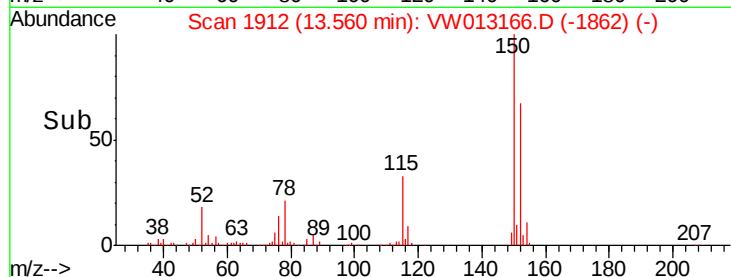
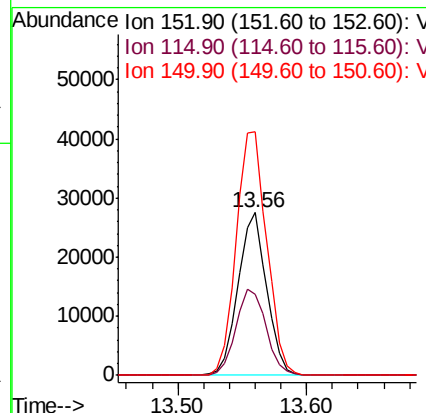
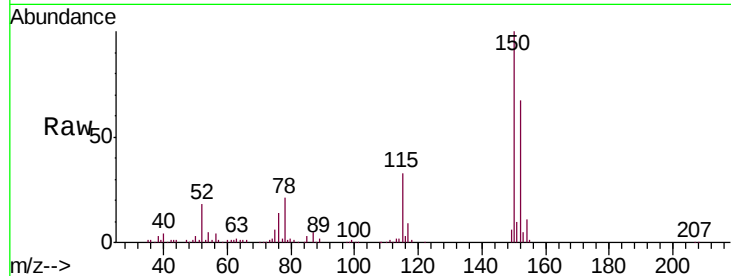


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013166.D
Acq: 19 Sep 2019 17:26

Instrument :
MSVOA_W
ClientSampled :
CSA-2-2-1

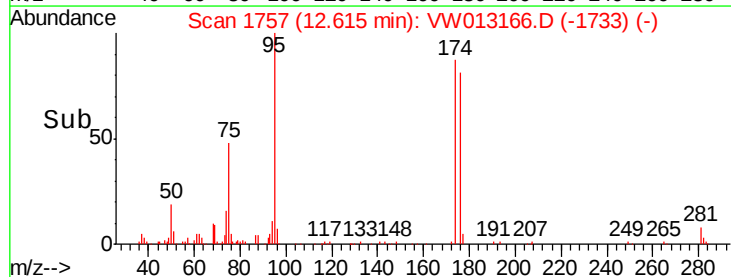
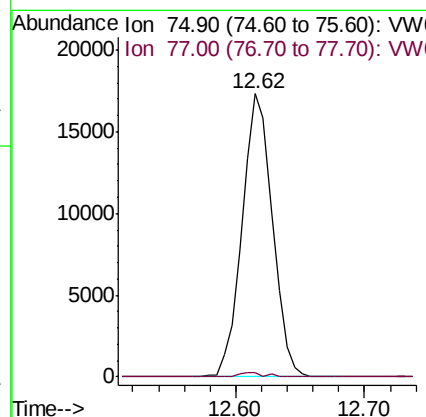
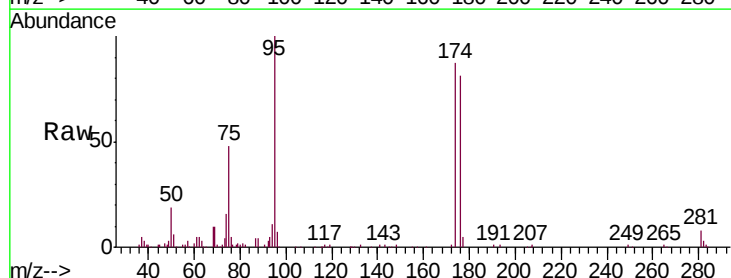
Tgt Ion: 152 Resp: 42491
Ion Ratio Lower Upper
152 100
115 55.9 28.8 86.4
150 159.7 0.0 340.2

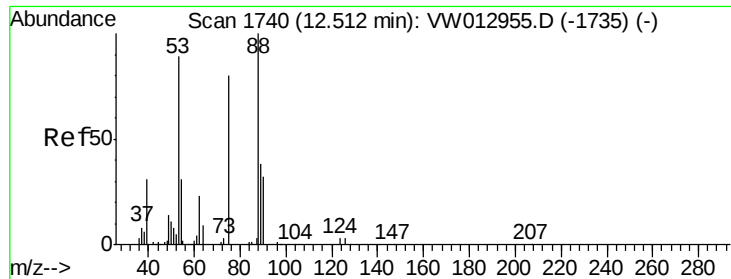


#76

1,2,3-Trichloropropane
Concen: 75.677 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013166.D
Acq: 19 Sep 2019 17:26

Tgt Ion: 75 Resp: 28166
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 171.672 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013166.D

Acq: 19 Sep 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

CSA-2-2-1

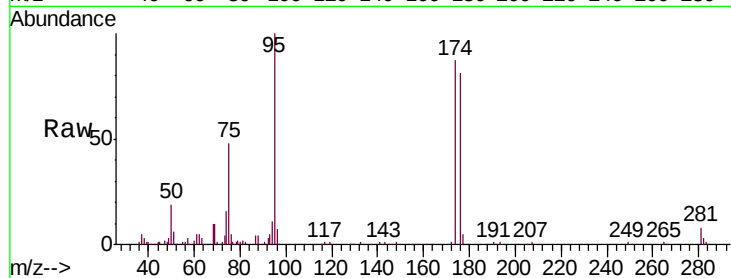
Tgt Ion: 75 Resp: 28166

Ion Ratio Lower Upper

75 100

53 0.0 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

