

Data File : VW013162.D
Acq On : 19 Sep 2019 15:43
Operator : SY/VA
Sample : K4825-05RE
Misc : 4.50G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CSA-4-1-1RE

Quant Time: Sep 20 07:46:28 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	310852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	471287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	324048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97474	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	140781	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	7.88	113	135014	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
50) Toluene-d8	10.32	98	499250	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.62	95	121306	33.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.42%	

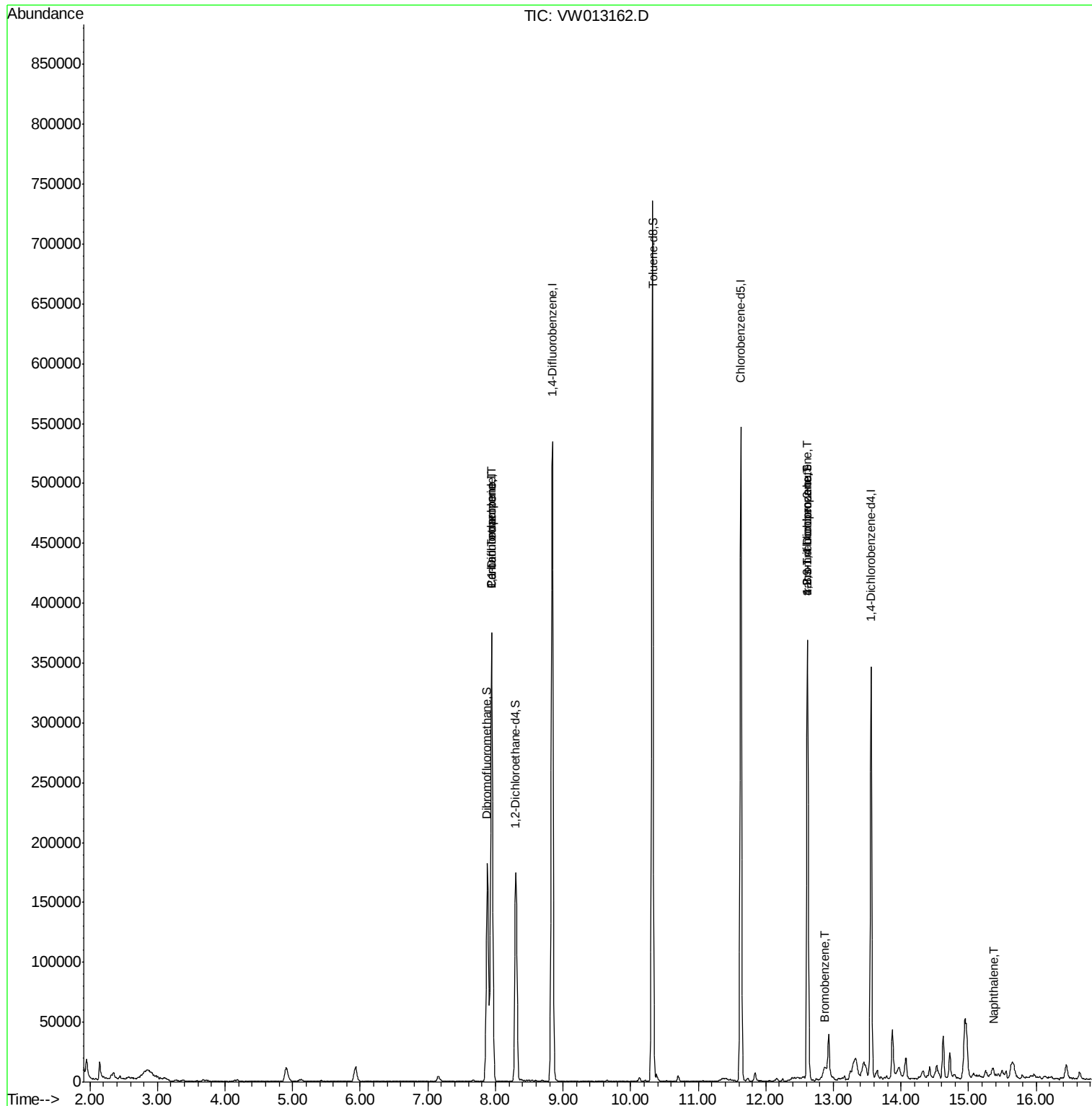
Target Compounds			Qvalue			
3) Chloromethane	2.21	50	270	Below Cal	#	13
11) Tert butyl alcohol	5.20	59	91	Below Cal	#	72
16) Acetone	4.15	43	1461	Below Cal		92
20) Methylene Chloride	4.91	84	9296	Below Cal		91
26) 2,2-Dichloropropane	7.15	77	175	Below Cal	#	55
31) Cyclohexane	7.95	56	5415	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	20184	5.360	ug/l #	50
38) Carbon Tetrachloride	7.94	117	27119	7.027	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	57650	67.522	ug/l #	100
77) Bromobenzene	12.87	156	7102	4.772	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	57650	153.172	ug/l #	7
95) Naphthalene	15.37	128	5428	1.758	ug/l #	92

(#) = 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: VW013162.D

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Instrument :

MSVOA_W

ClientSampleId :

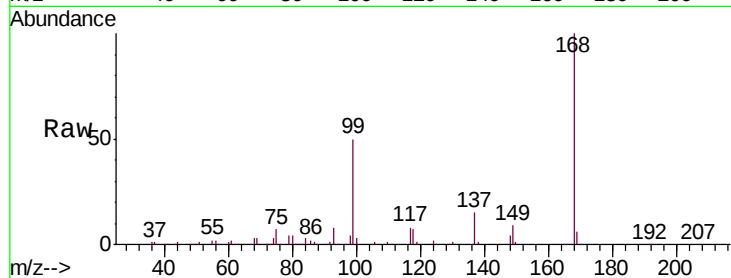
CSA-4-1-1RE

Tgt Ion:168 Resp: 310852

Ion Ratio Lower Upper

168 100

99 50.4 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

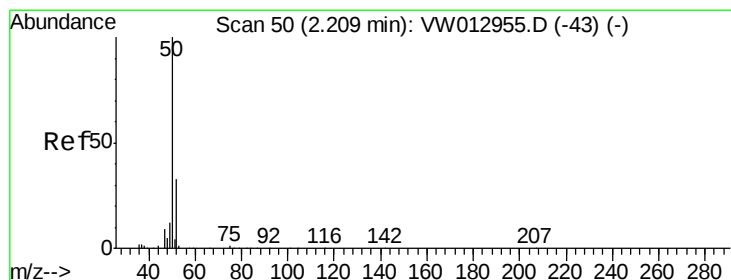
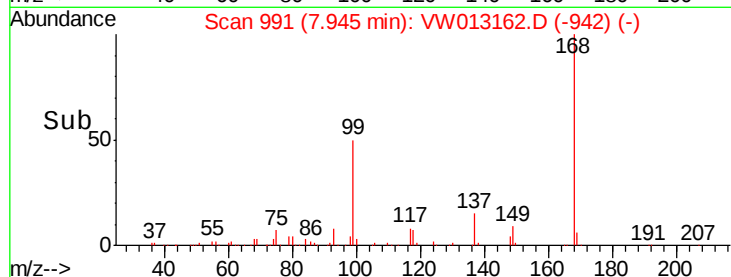
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013162.D

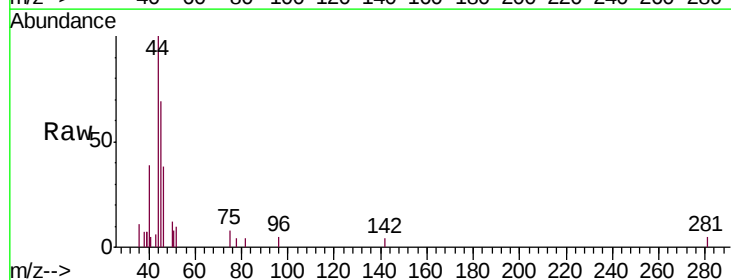
Acq: 19 Sep 2019 15:43

Tgt Ion: 50 Resp: 270

Ion Ratio Lower Upper

50 100

52 82.6 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

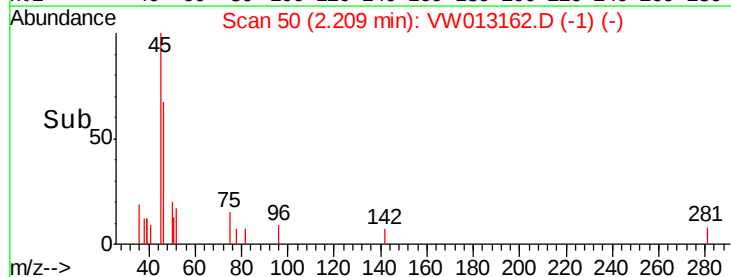
150

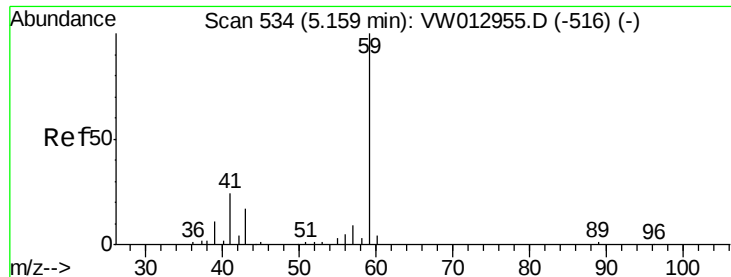
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50

0

Time-->

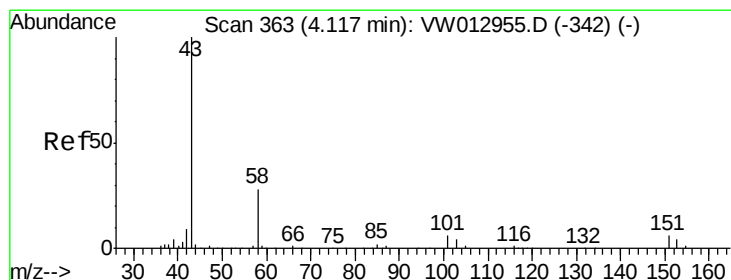
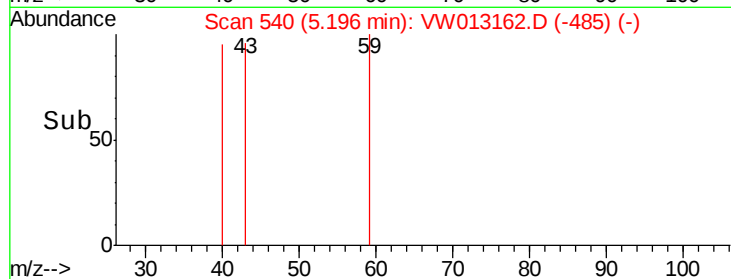
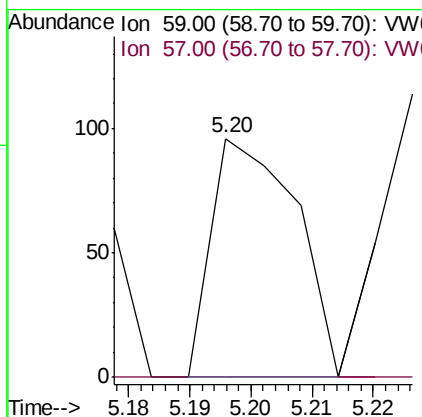
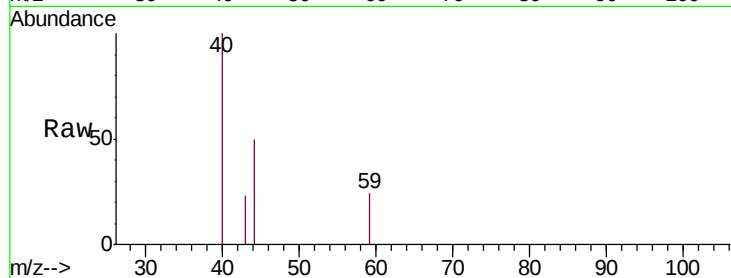




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 540
Delta R.T. 0.04 min
Lab File: VW013162.D
Acq: 19 Sep 2019 15:43

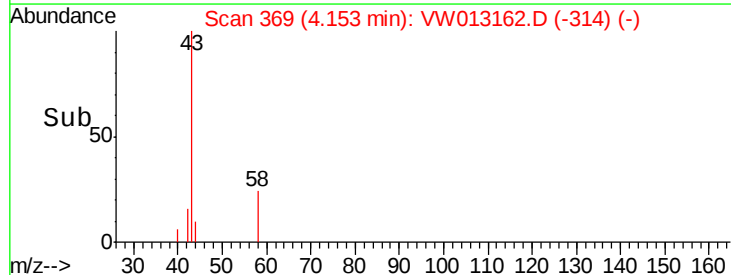
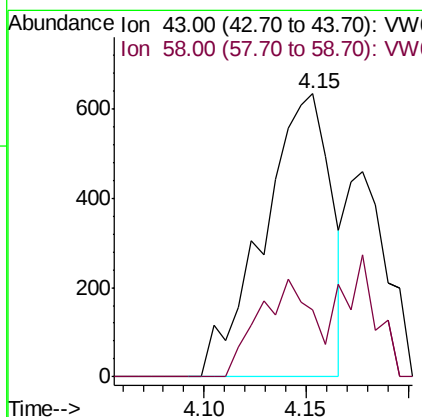
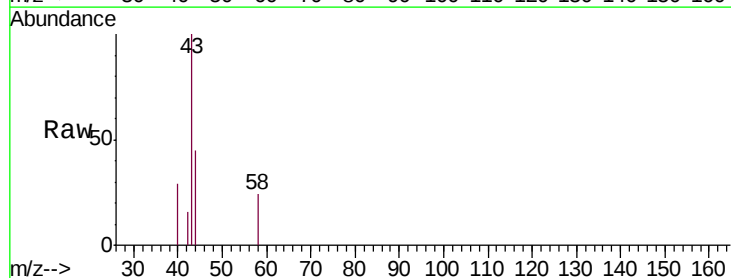
Instrument :
MSVOA_W
ClientSampleId :
CSA-4-1-1RE

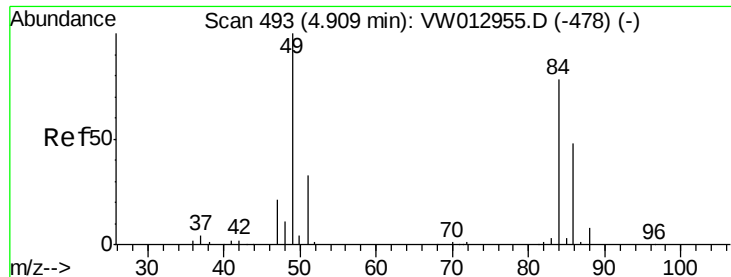
Tgt Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: Below Cal
RT: 4.15 min Scan# 369
Delta R.T. 0.04 min
Lab File: VW013162.D
Acq: 19 Sep 2019 15:43

Tgt Ion: 43 Resp: 1461
Ion Ratio Lower Upper
43 100
58 23.5 22.3 33.5

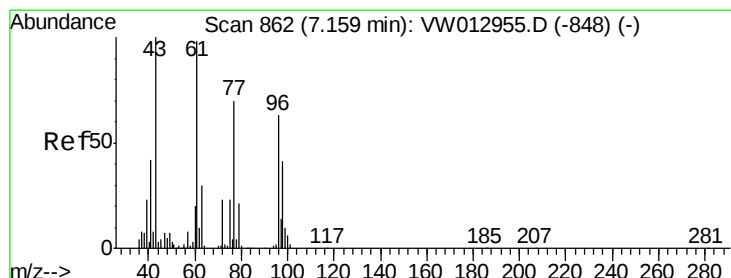
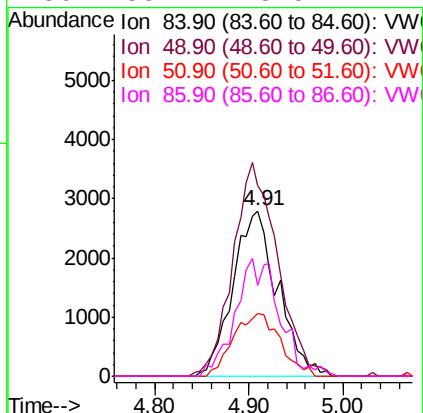
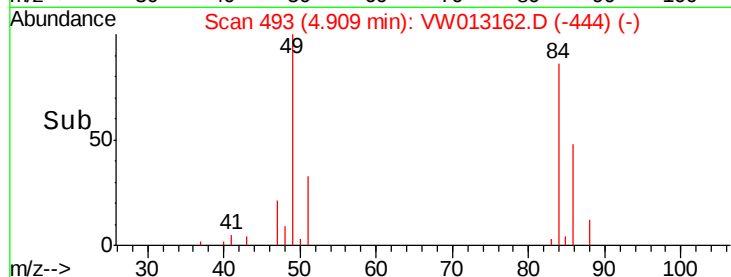
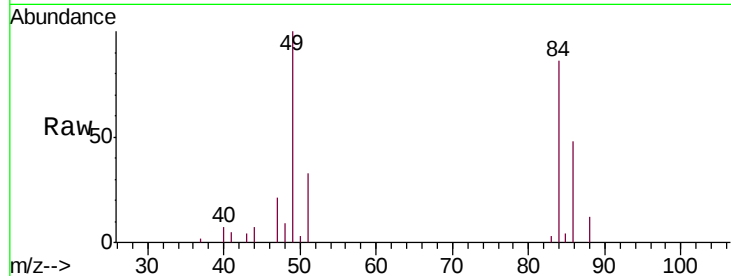




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013162.D
Acq: 19 Sep 2019 15:43

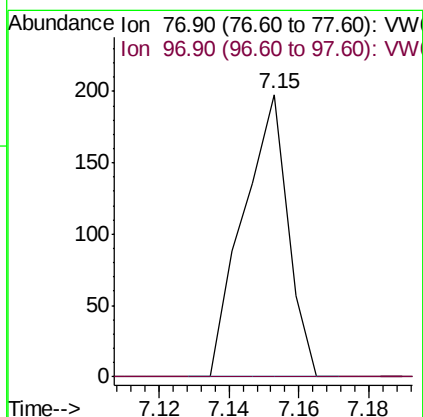
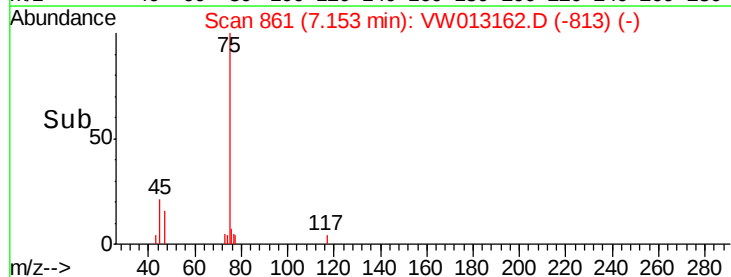
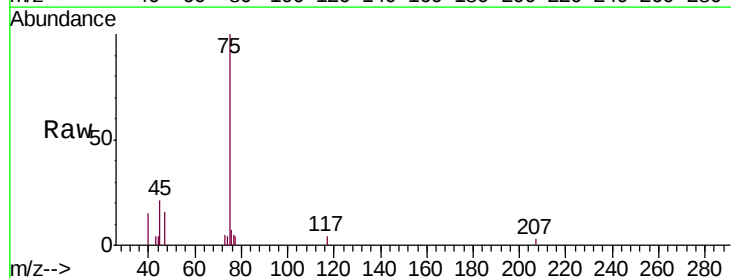
Instrument :
MSVOA_W
ClientSampleId :
CSA-4-1-1RE

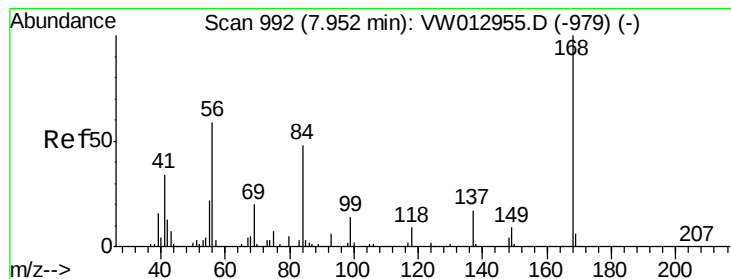
Tgt Ion: 84 Resp: 9296
Ion Ratio Lower Upper
84 100
49 115.7 102.0 153.0
51 38.0 34.0 51.0
86 55.2 48.5 72.7



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013162.D
Acq: 19 Sep 2019 15:43

Tgt Ion: 77 Resp: 175
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: VW013162.D

Acq: 19 Sep 2019 15:43

Instrument :

MSVOA_W

ClientSampleId :

CSA-4-1-1RE

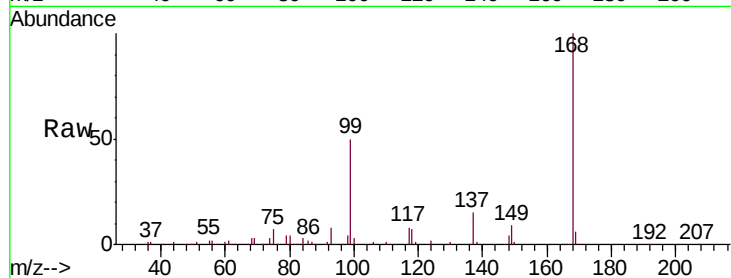
Tgt Ion: 56 Resp: 5415

Ion Ratio Lower Upper

56 100

69 174.9 27.0 40.6#

84 165.7 66.2 99.2#

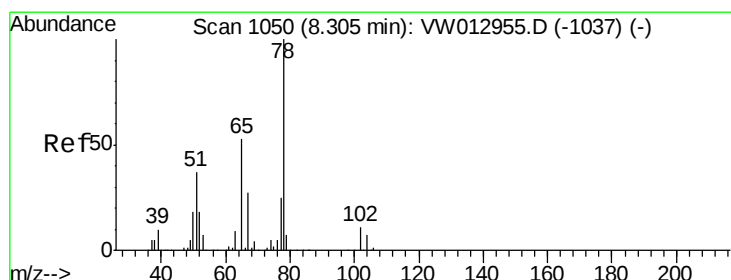
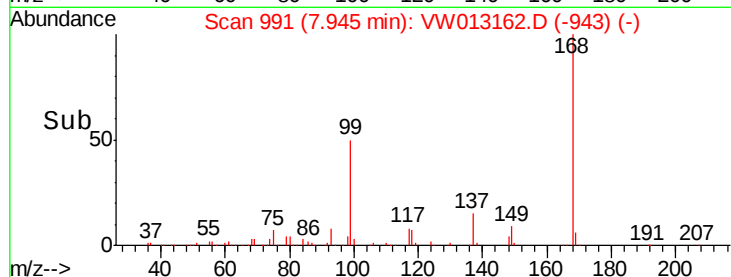
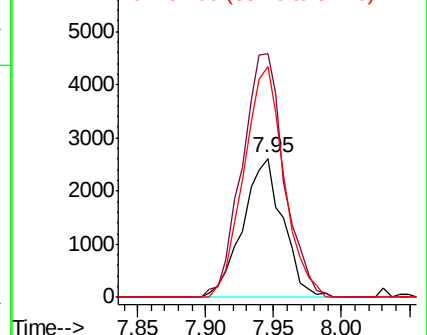


Abundance

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: 49.037 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013162.D

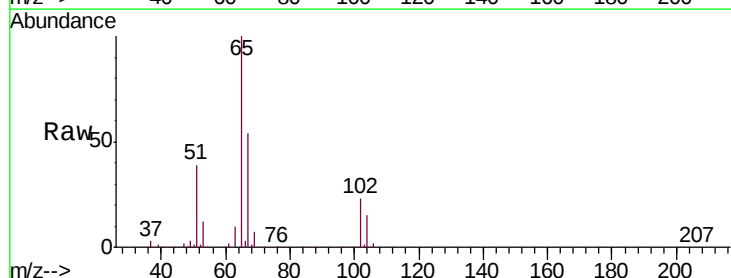
Acq: 19 Sep 2019 15:43

Tgt Ion: 65 Resp: 140781

Ion Ratio Lower Upper

65 100

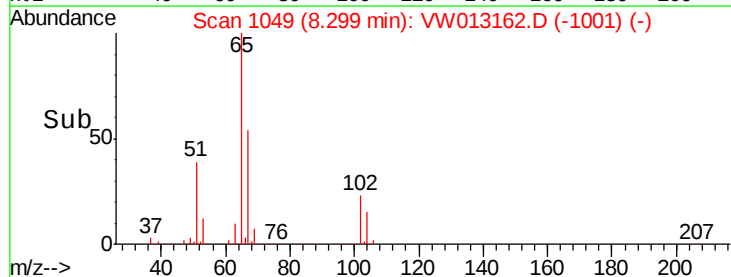
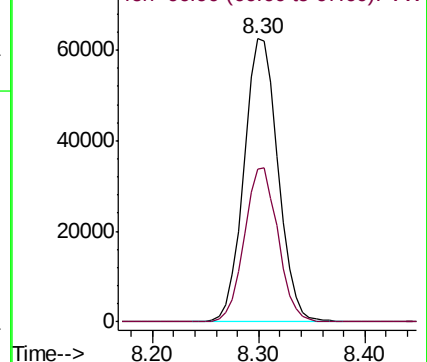
67 53.9 0.0 101.2

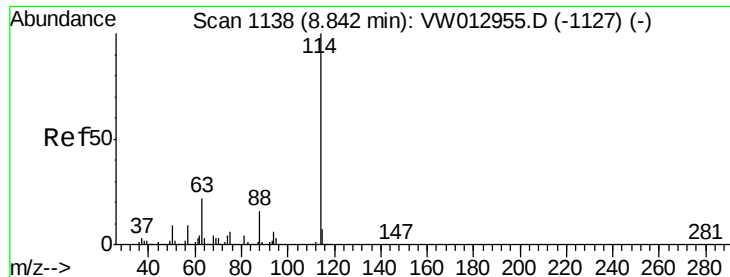


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

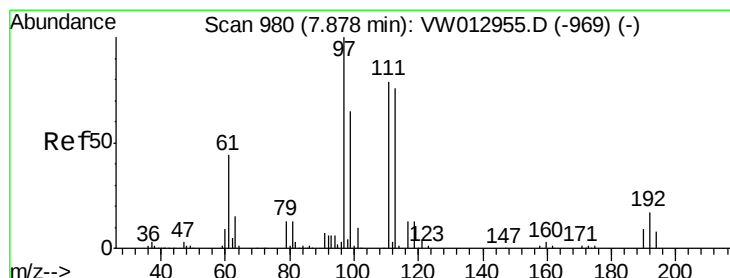
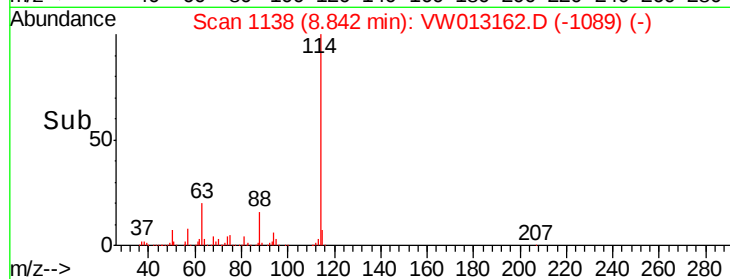
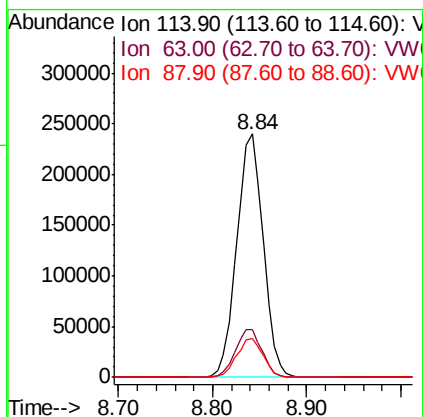
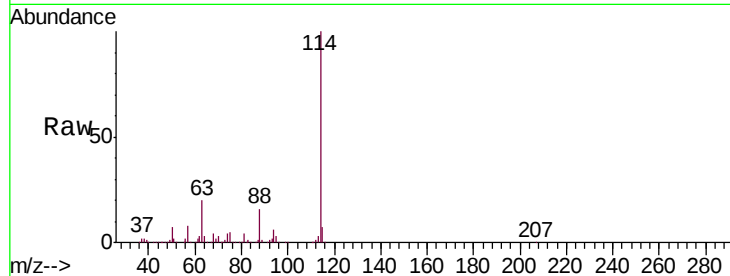




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013162.D
 Acq: 19 Sep 2019 15:43

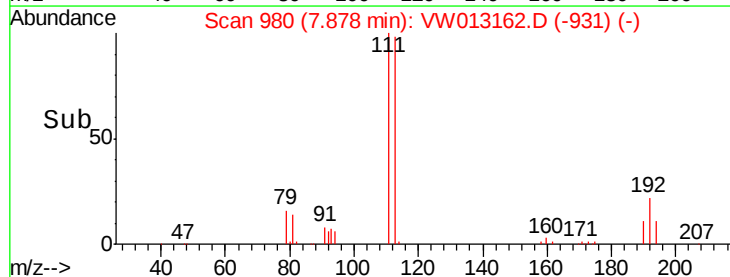
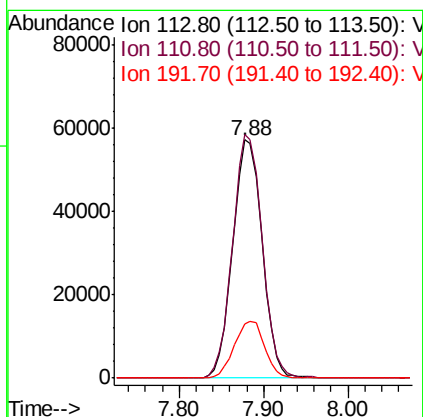
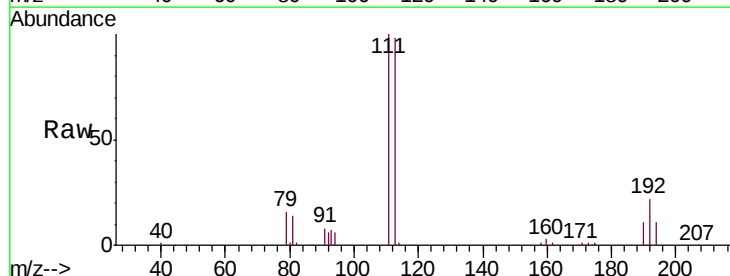
Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-4-1-1RE

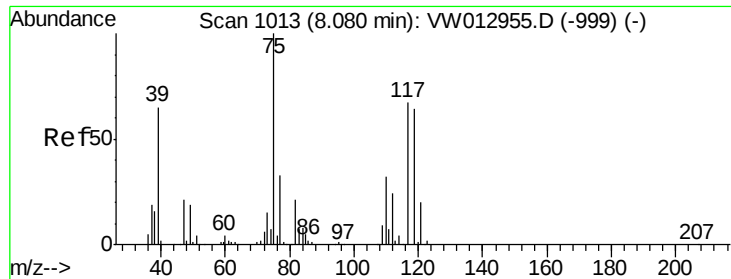
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	43.4
88	15.7	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 52.796 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013162.D
 Acq: 19 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	24.3	17.8	26.8

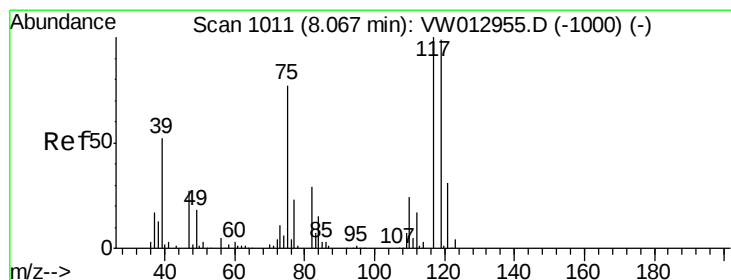
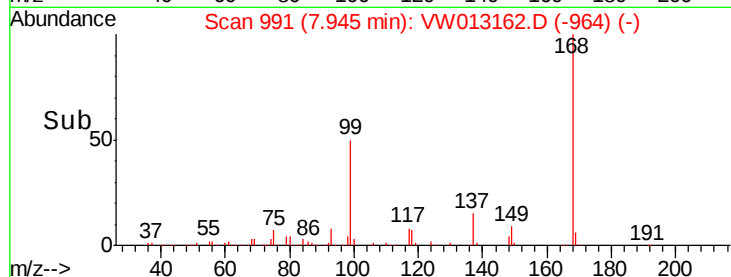
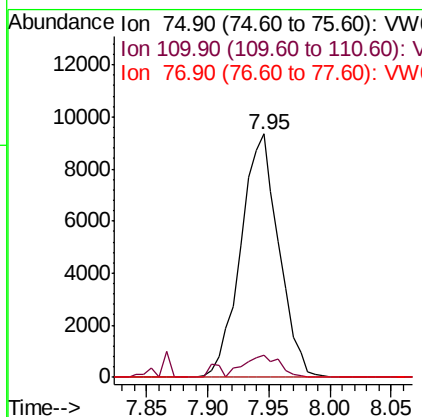
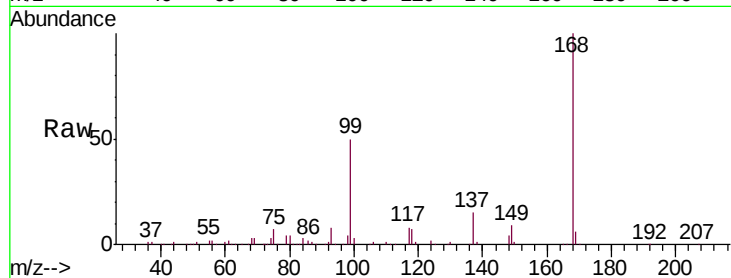




#36
 1,1-Dichloropropene
 Concen: 5.360 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013162.D
 Acq: 19 Sep 2019 15:43

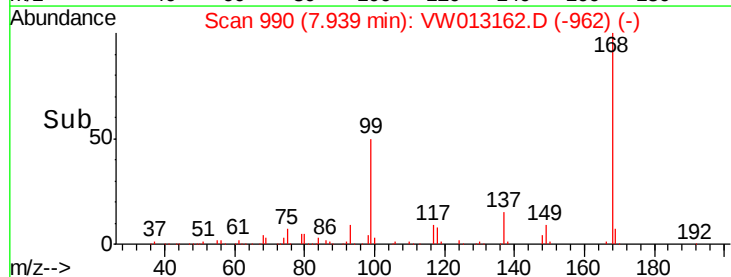
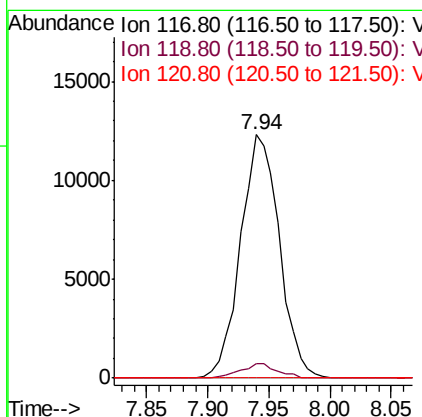
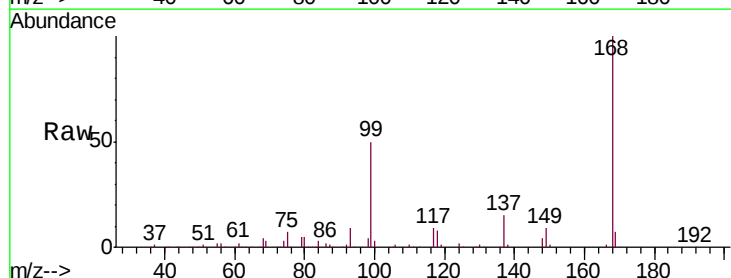
Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-4-1-1RE

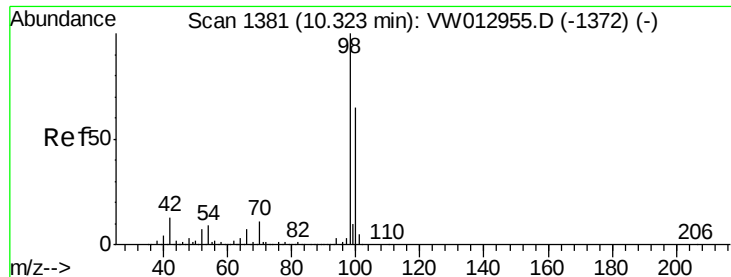
Tgt Ion: 75 Resp: 20184
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.027 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW013162.D
 Acq: 19 Sep 2019 15:43

Tgt Ion: 117 Resp: 27119
 Ion Ratio Lower Upper
 117 100
 119 6.1 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 49.891 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013162.D

Acq: 19 Sep 2019 15:43

Instrument :

MSVOA_W

ClientSampleId :

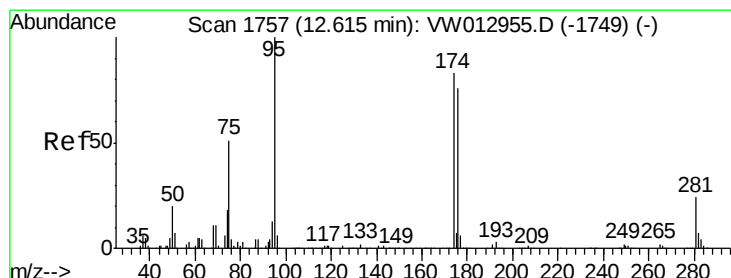
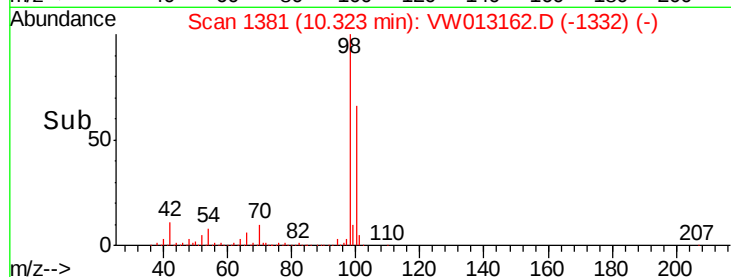
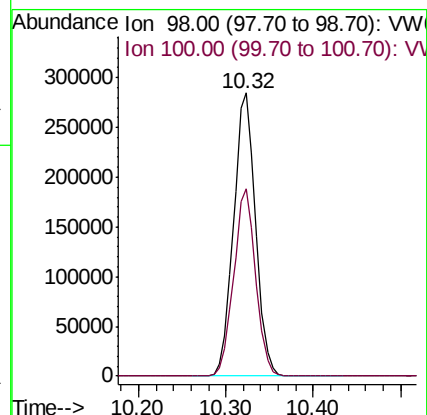
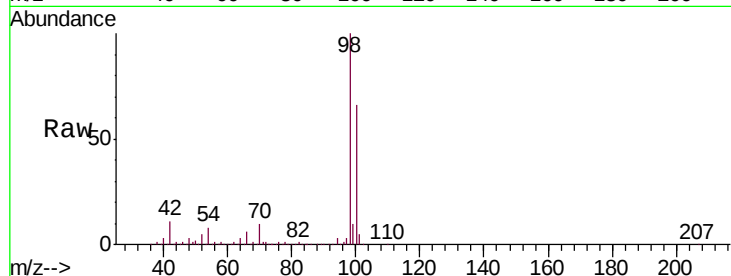
CSA-4-1-1RE

Tgt Ion: 98 Resp: 499250

Ion Ratio Lower Upper

98 100

100 65.7 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 33.713 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013162.D

Acq: 19 Sep 2019 15:43

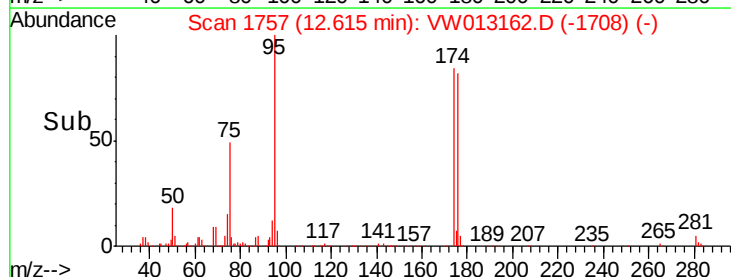
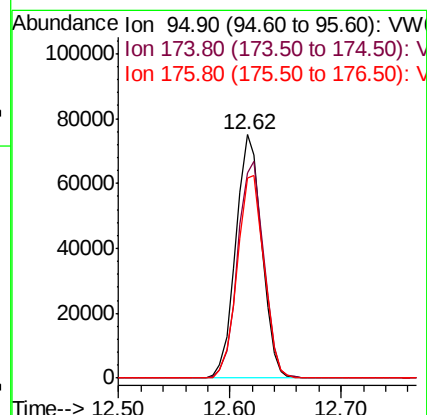
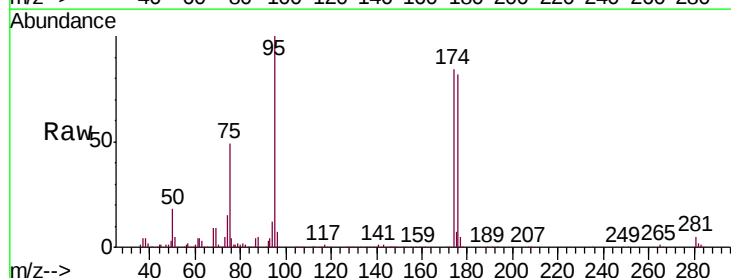
Tgt Ion: 95 Resp: 121306

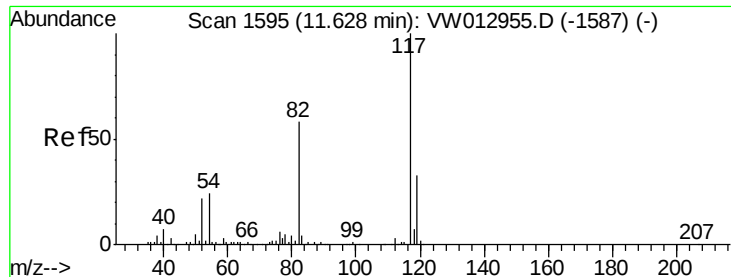
Ion Ratio Lower Upper

95 100

174 89.7 0.0 170.4

176 85.5 0.0 164.6

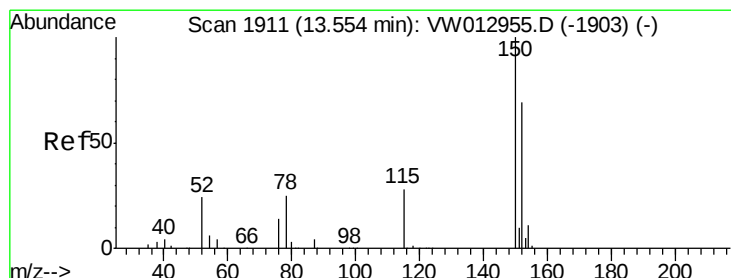
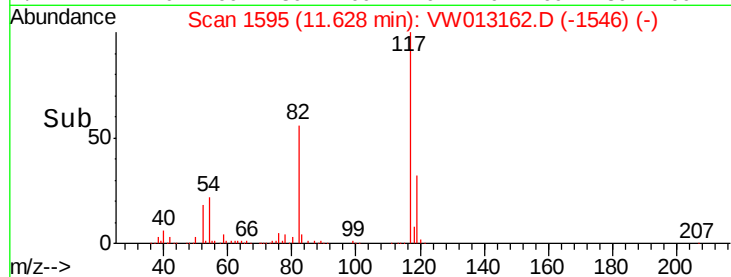
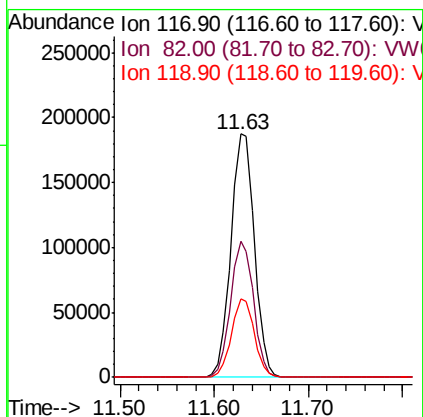
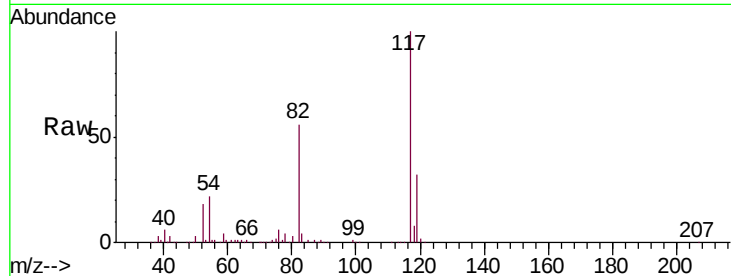




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013162.D
Acq: 19 Sep 2019 15:43

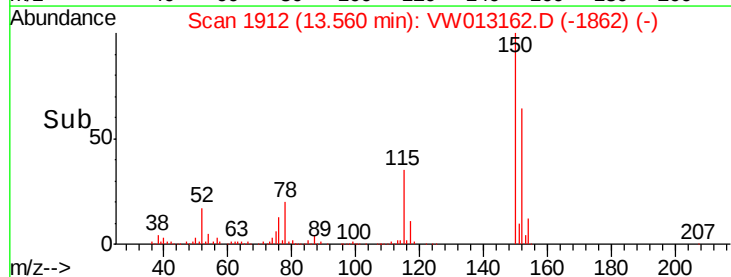
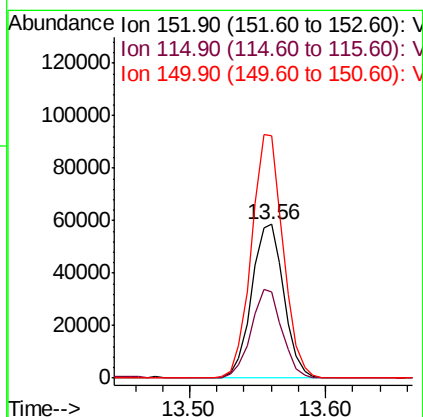
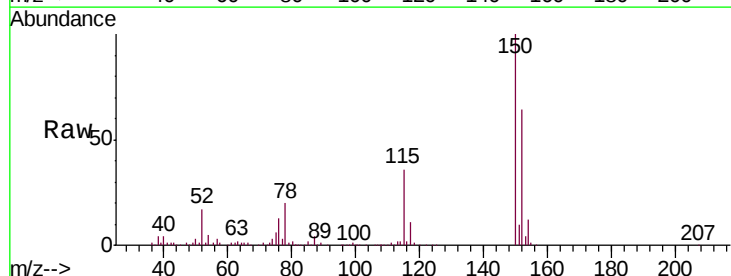
Instrument :
MSVOA_W
ClientSampleId :
CSA-4-1-1RE

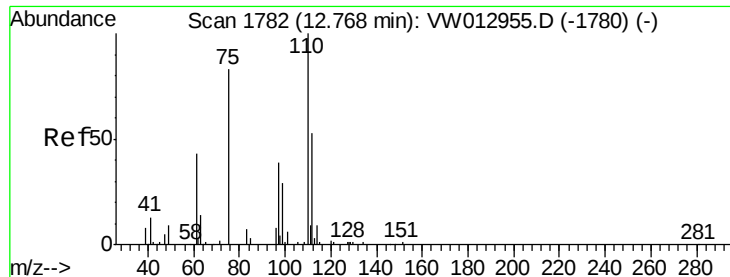
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.3	69.5
119	32.0	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013162.D
Acq: 19 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.8	86.4
150	155.1	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 67.522 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013162.D

Acq: 19 Sep 2019 15:43

Instrument :

MSVOA_W

ClientSampleId :

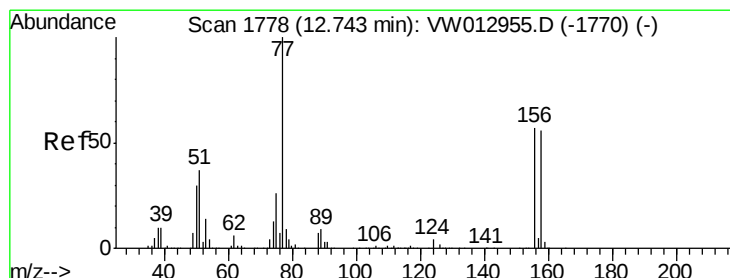
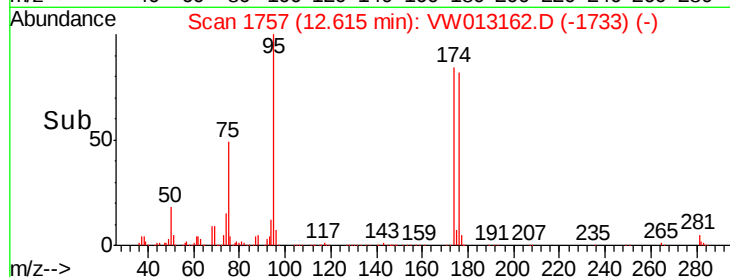
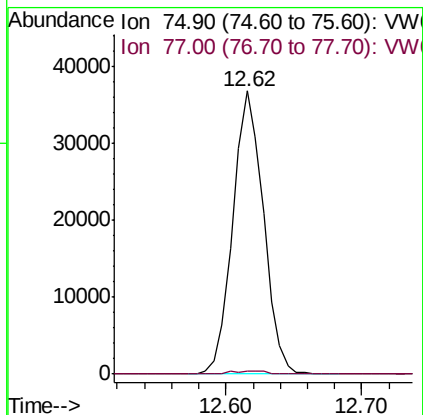
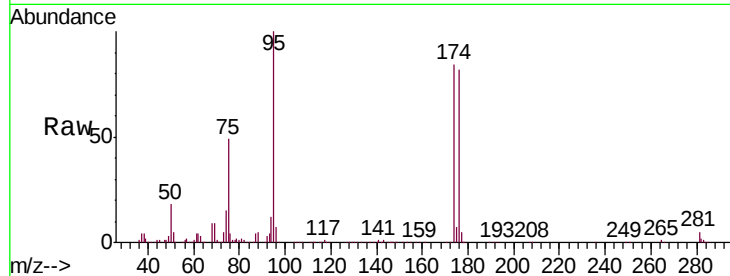
CSA-4-1-1RE

Tgt Ion: 75 Resp: 57650

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#77

Bromobenzene

Concen: 4.772 ug/l

RT: 12.87 min Scan# 1798

Delta R.T. 0.12 min

Lab File: VW013162.D

Acq: 19 Sep 2019 15:43

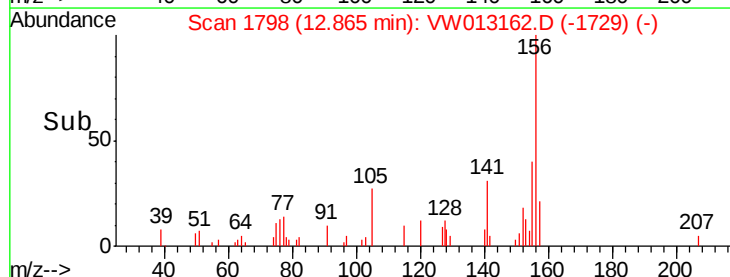
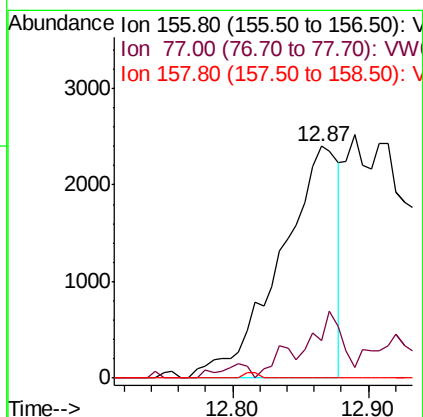
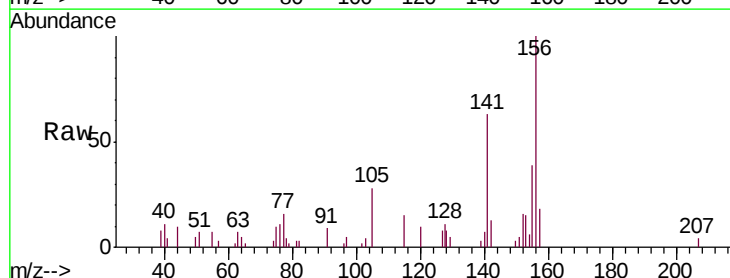
Tgt Ion: 156 Resp: 7102

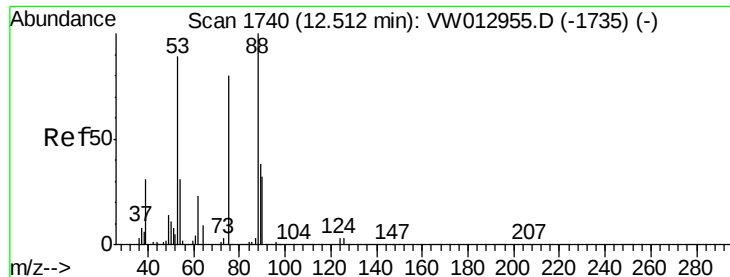
Ion Ratio Lower Upper

156 100

77 14.3 95.2 285.6#

158 0.0 49.0 147.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 153.172 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013162.D

Acq: 19 Sep 2019 15:43

Instrument :

MSVOA_W

ClientSampleId :

CSA-4-1-1RE

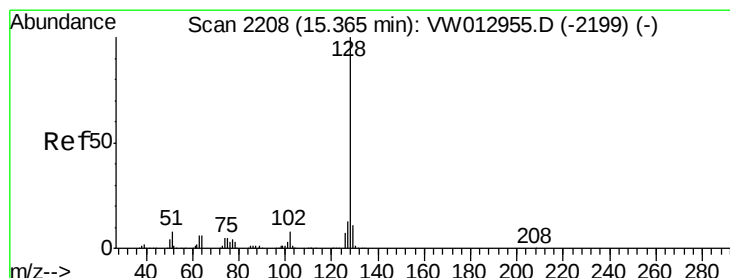
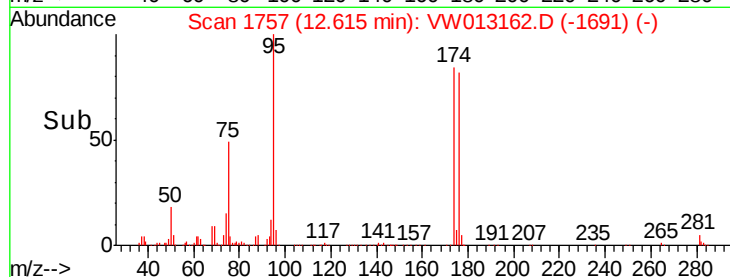
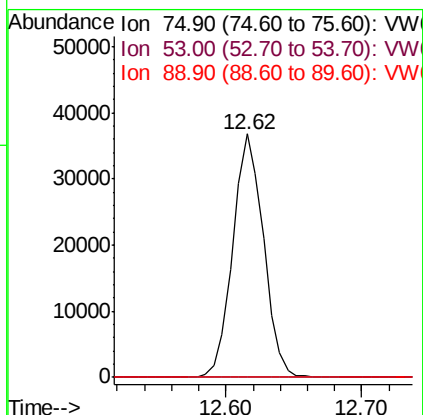
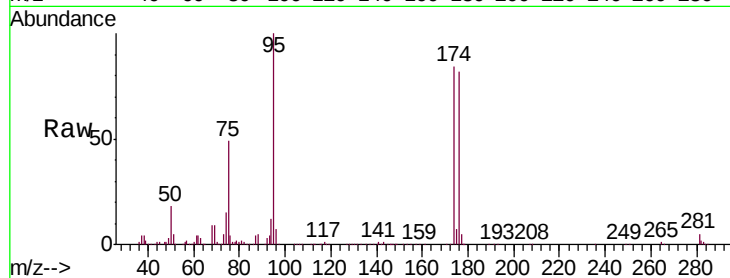
Tgt Ion: 75 Resp: 57650

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#



#95

Naphthalene

Concen: 1.758 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013162.D

Acq: 19 Sep 2019 15:43

Tgt Ion: 128 Resp: 5428

Ion Ratio Lower Upper

128 100

127 18.4 11.0 16.6#

129 12.3 8.6 12.8

