

Data File : VW013156.D
Acq On : 19 Sep 2019 13:09
Operator : SY/VA
Sample : K4825-11
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CSA-4-2-1.5

Quant Time: Sep 20 07:44:22 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	291888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	446616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79162	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134405	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	7.88	113	130019	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
50) Toluene-d8	10.32	98	456021	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
62) 4-Bromofluorobenzene	12.62	95	106245	31.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.32%	

Target Compounds

						Qvalue
3) Chloromethane	2.21	50	331	Below Cal	#	41
11) Tert butyl alcohol	5.19	59	60	Below Cal	#	72
13) Acrolein	3.89	56	20	Below Cal	#	15
16) Acetone	4.15	43	2517	Below Cal		100
20) Methylene Chloride	4.92	84	7382	Below Cal	#	79
26) 2,2-Dichloropropane	7.15	77	537	Below Cal	#	55
31) Cyclohexane	7.95	56	4624	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	19485	5.460	ug/l #	50
38) Carbon Tetrachloride	7.95	117	25770	7.046	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	2209	1.176	ug/l #	1
64) Tetrachloroethene	10.86	164	2338	1.334	ug/l #	85
76) 1,2,3-Trichloropropane	12.62	75	50450	72.758	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	50450	165.050	ug/l #	7

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

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CSA-4-2-1.5

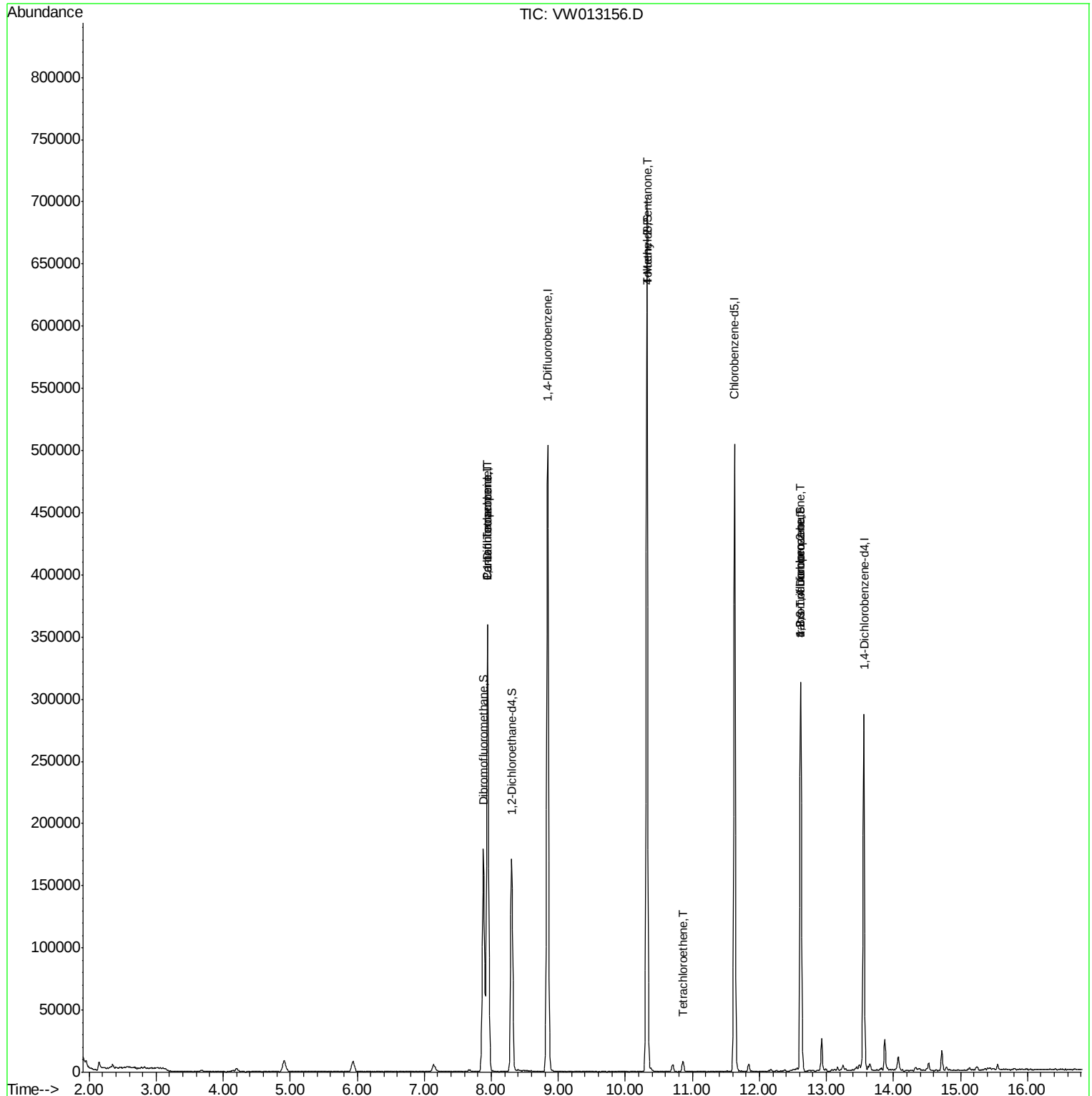
Quant Time: Sep 20 07:44:22 2019

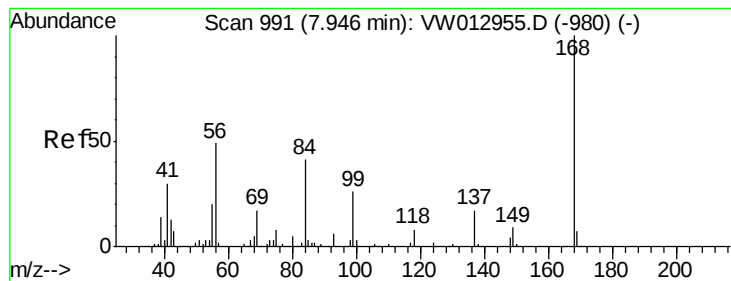
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W091419S.M

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: VW013156.D

Acq: 19 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

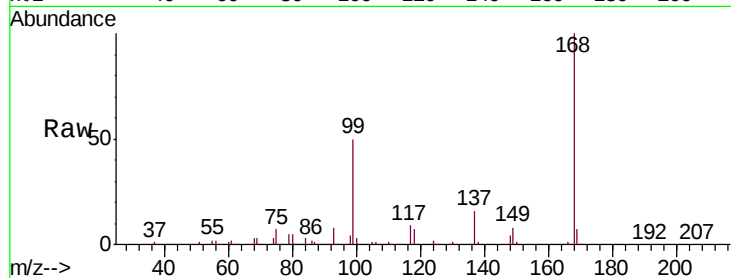
CSA-4-2-1.5

Tgt Ion:168 Resp: 291888

Ion Ratio Lower Upper

168 100

99 50.5 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

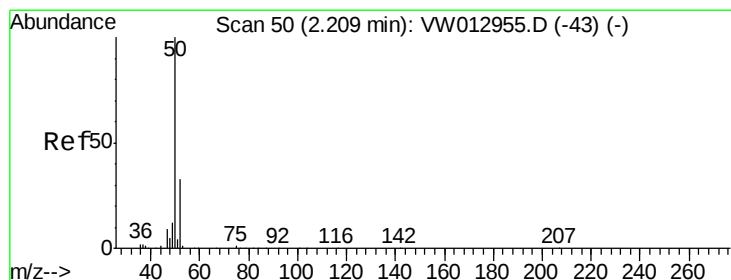
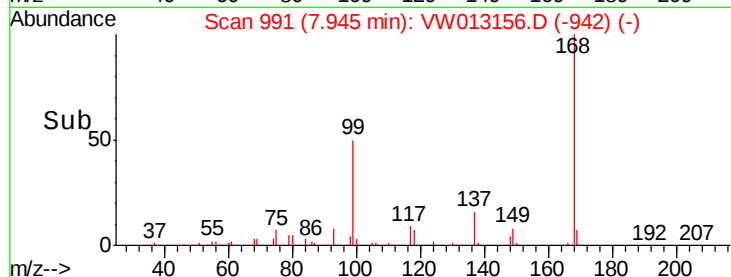
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013156.D

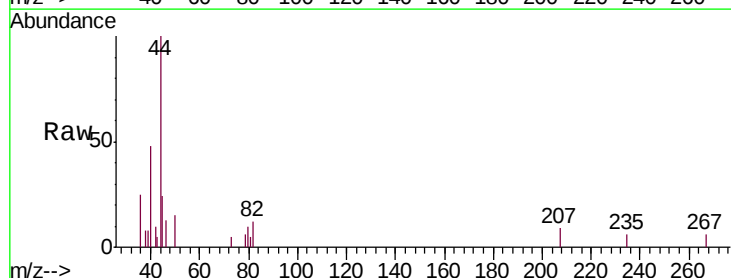
Acq: 19 Sep 2019 13:09

Tgt Ion: 50 Resp: 331

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

2.21

200

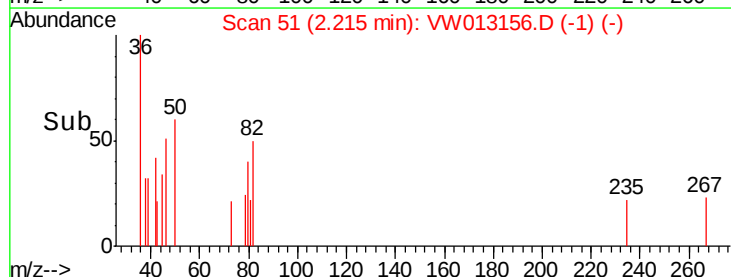
150

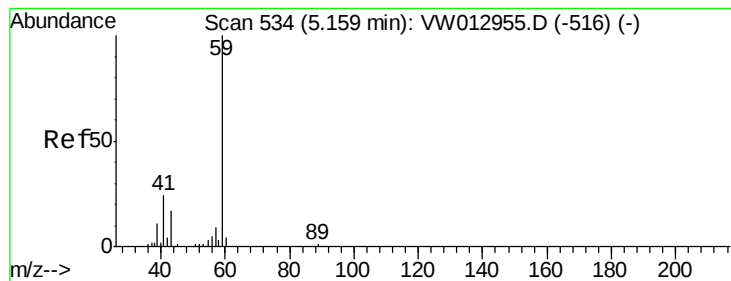
100

50

0

Time--> 2.15 2.20 2.25



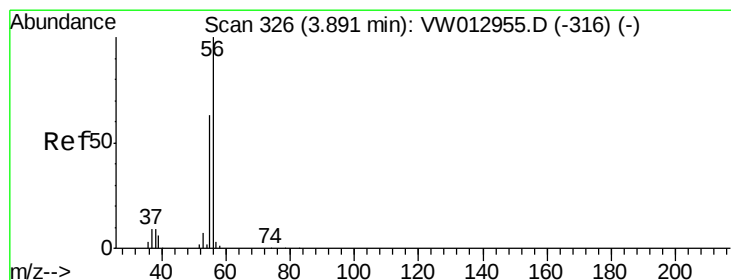
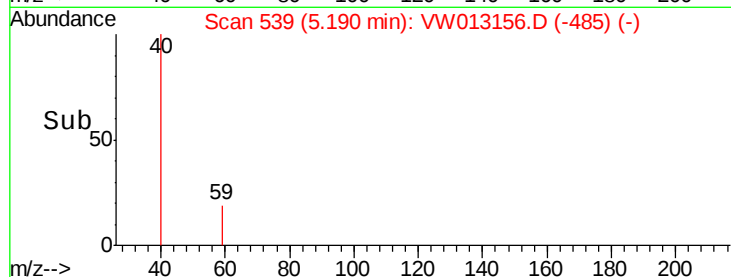
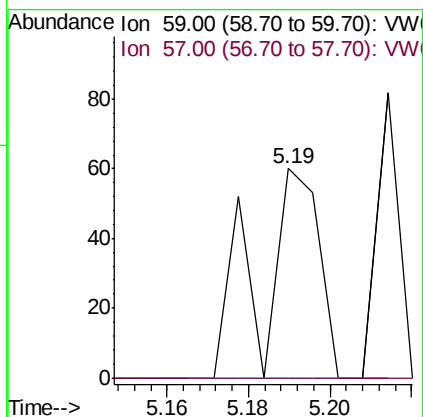
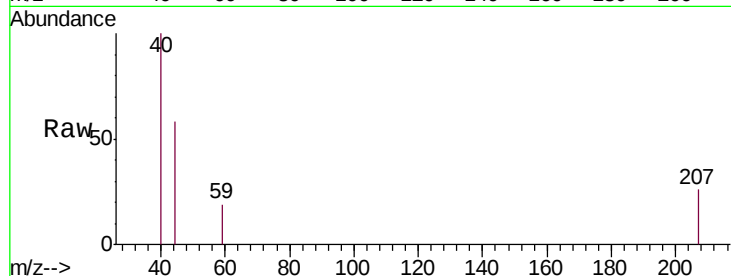


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 539
 Delta R.T. 0.03 min
 Lab File: VW013156.D
 Acq: 19 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampled :
 CSA-4-2-1.5

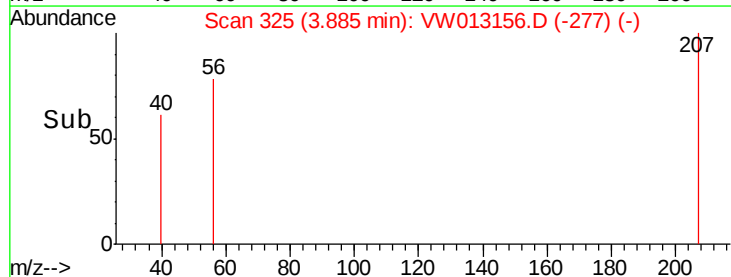
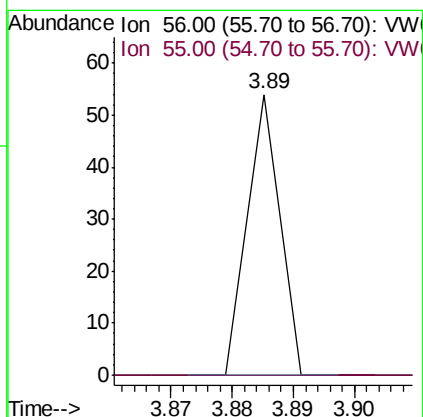
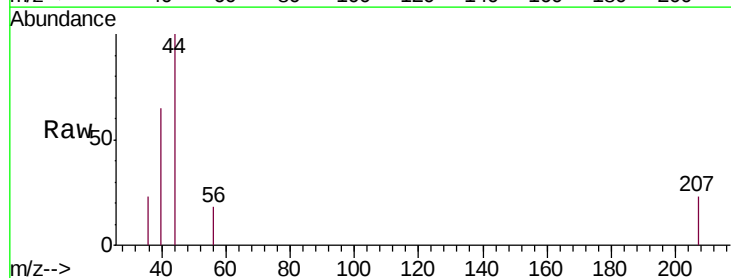
Tgt Ion: 59 Resp: 60
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

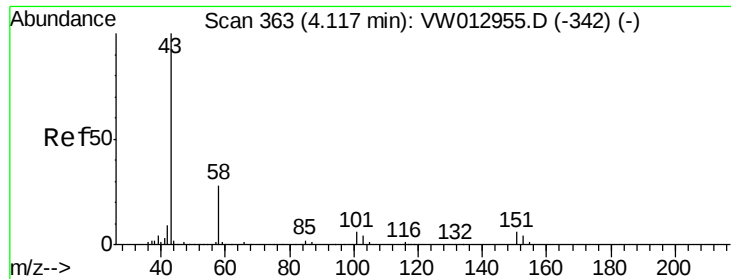


#13

Acrolein
 Concen: Below Cal
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW013156.D
 Acq: 19 Sep 2019 13:09

Tgt Ion: 56 Resp: 20
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#

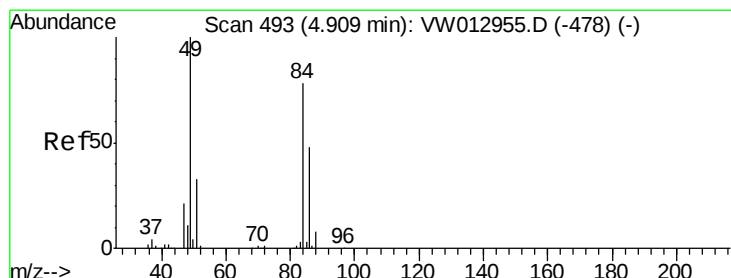
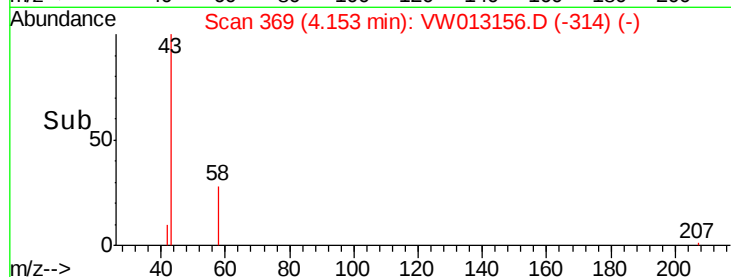
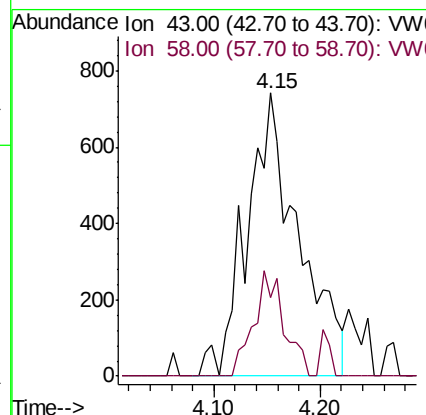
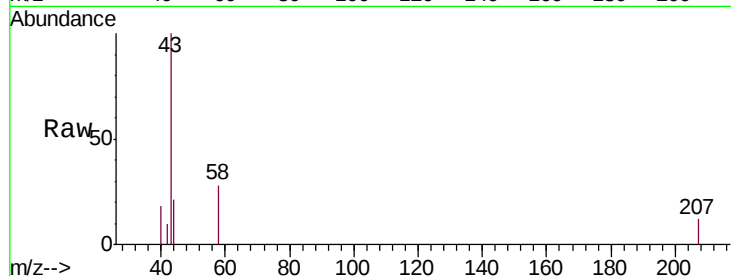




#16
Acetone
Concen: Below Cal
RT: 4.15 min Scan# 369
Delta R.T. 0.04 min
Lab File: VW013156.D
Acq: 19 Sep 2019 13:09

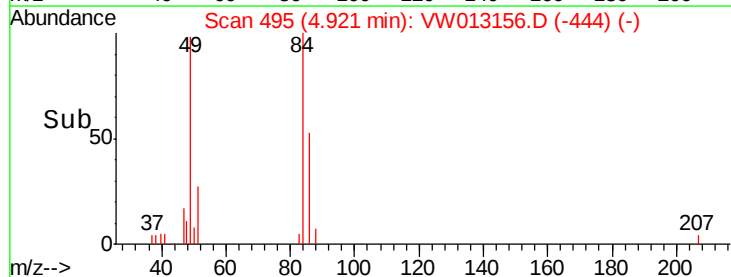
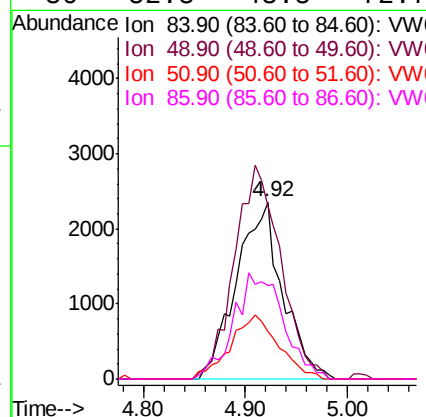
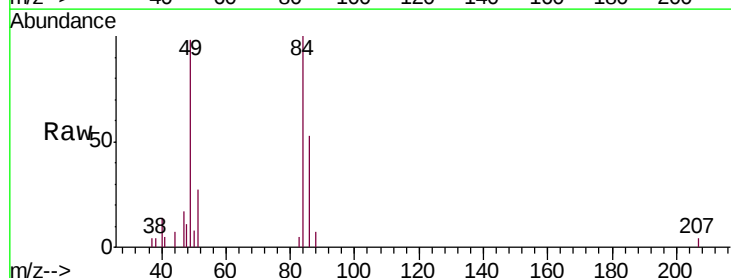
Instrument :
MSVOA_W
ClientSampleId :
CSA-4-2-1.5

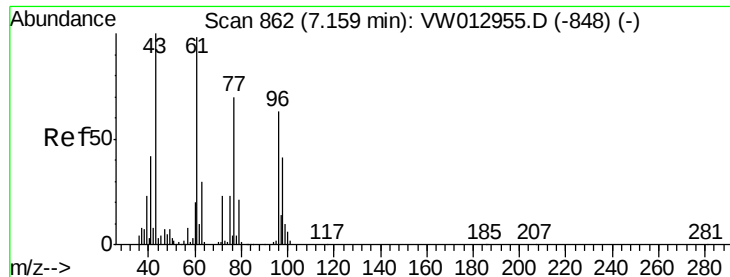
Tgt Ion: 43 Resp: 2517
Ion Ratio Lower Upper
43 100
58 27.9 22.3 33.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013156.D
Acq: 19 Sep 2019 13:09

Tgt Ion: 84 Resp: 7382
Ion Ratio Lower Upper
84 100
49 97.6 102.0 153.0#
51 27.1 34.0 51.0#
86 52.8 48.5 72.7

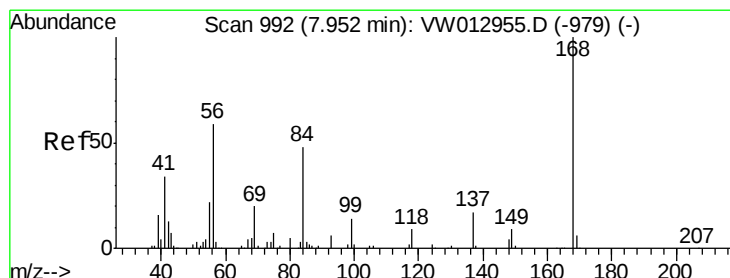
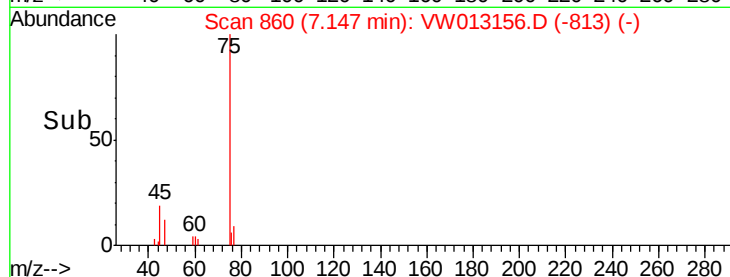
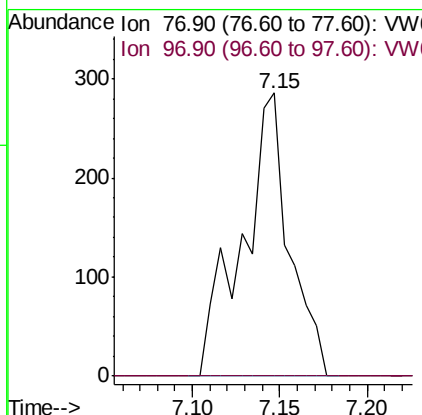
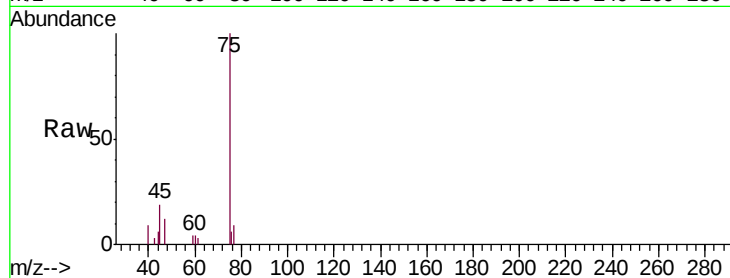




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VW013156.D
 Acq: 19 Sep 2019 13:09

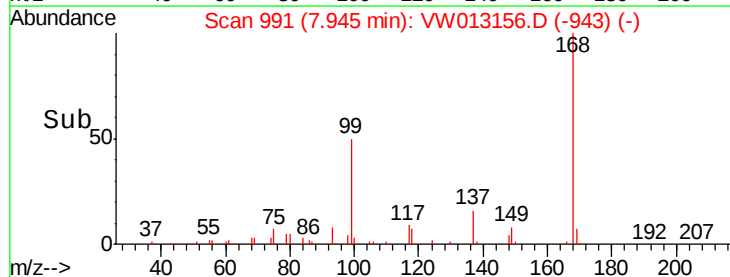
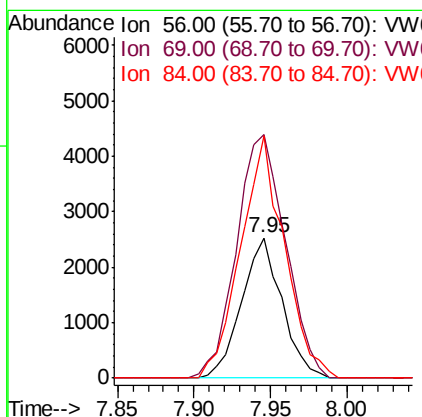
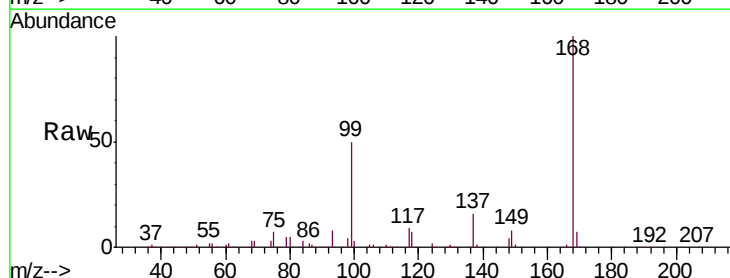
Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-4-2-1.5

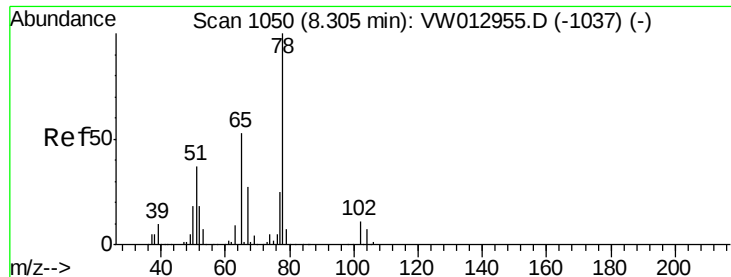
Tgt Ion: 77 Resp: 537
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#31
 Cyclohexane
 Concen: Below Cal
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW013156.D
 Acq: 19 Sep 2019 13:09

Tgt Ion: 56 Resp: 4624
 Ion Ratio Lower Upper
 56 100
 69 173.7 27.0 40.6#
 84 173.2 66.2 99.2#

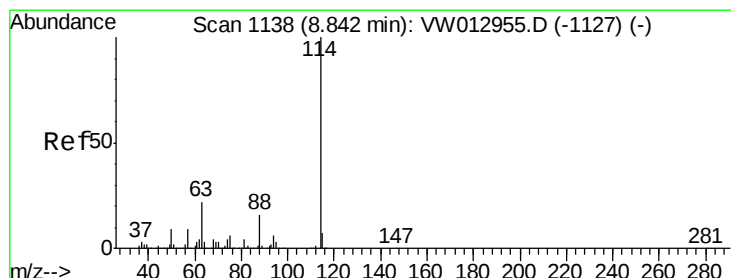
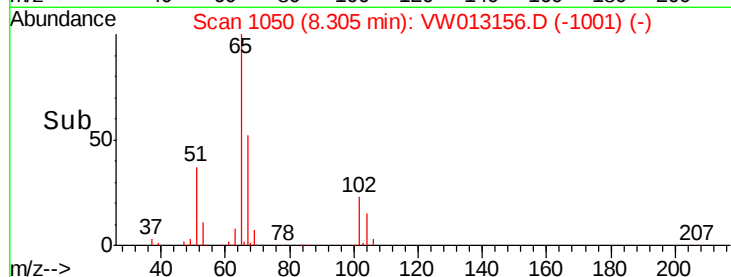
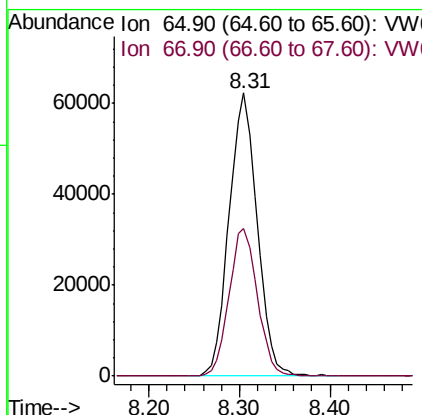
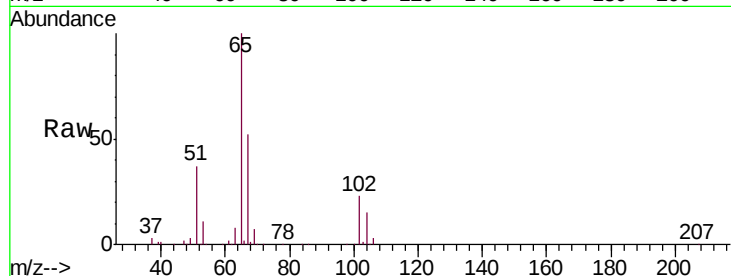




#33
 1,2-Dichloroethane-d4
 Concen: 49.857 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013156.D
 Acq: 19 Sep 2019 13:09

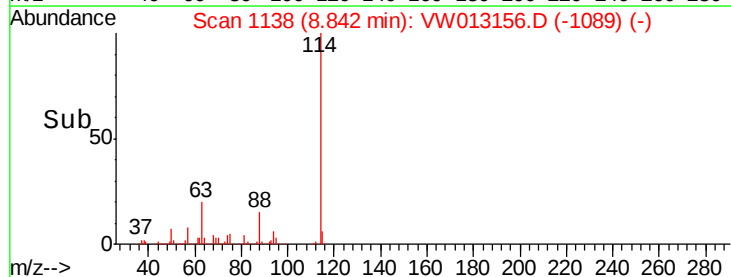
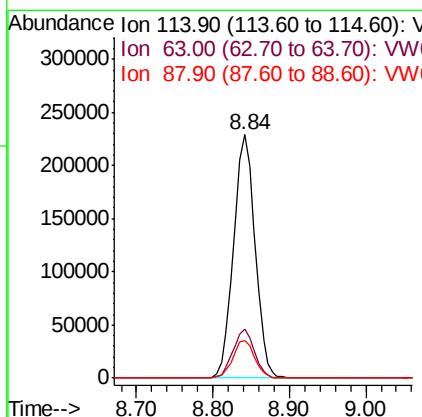
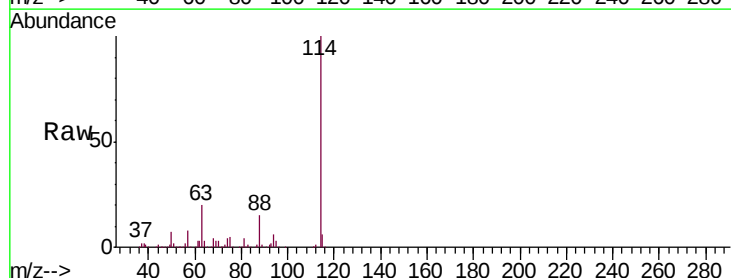
Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-4-2-1.5

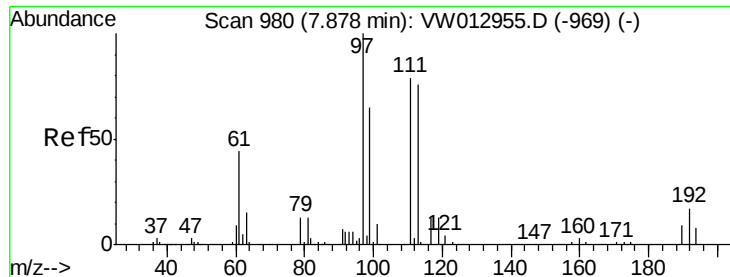
Tgt Ion: 65 Resp: 134405
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013156.D
 Acq: 19 Sep 2019 13:09

Tgt Ion: 114 Resp: 446616
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 43.4
 88 15.2 0.0 31.6

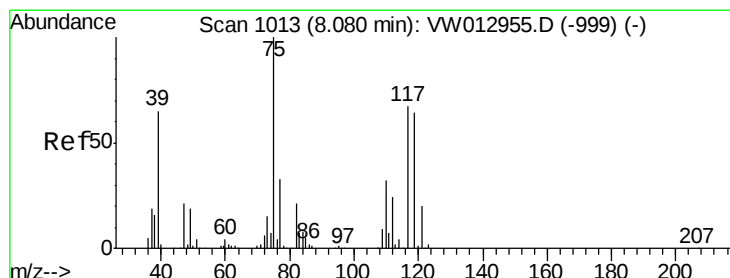
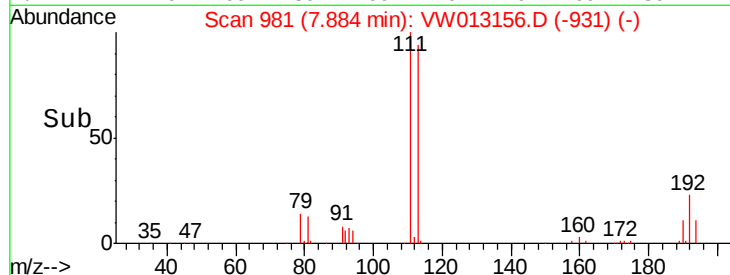
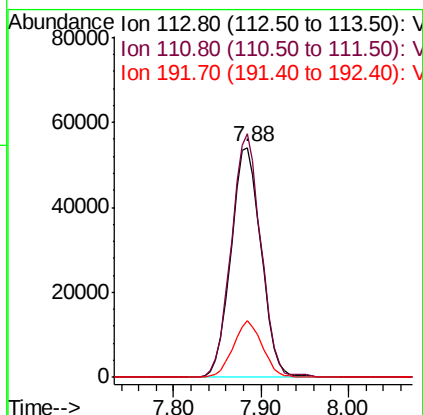
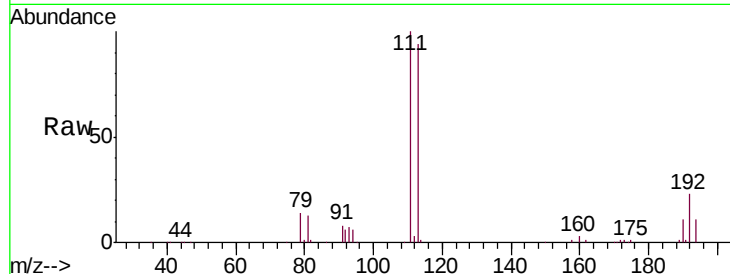




#35
 Dibromofluoromethane
 Concen: 53.652 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013156.D
 Acq: 19 Sep 2019 13:09

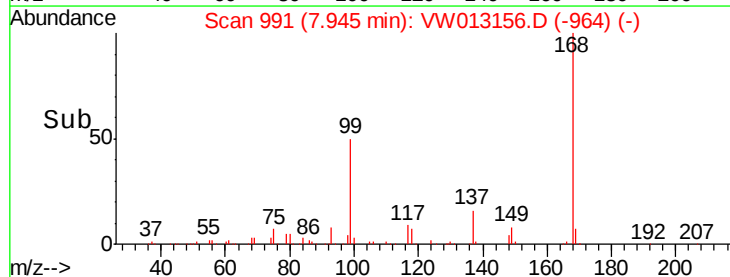
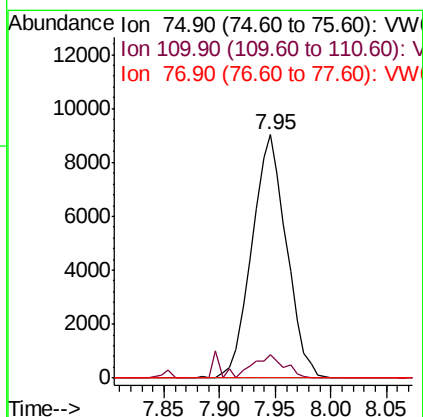
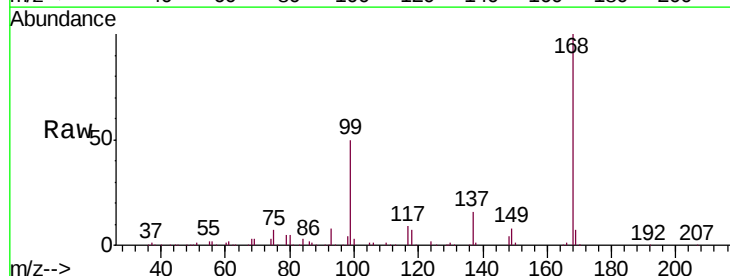
Instrument :
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 ClientSampleId :
 CSA-4-2-1.5

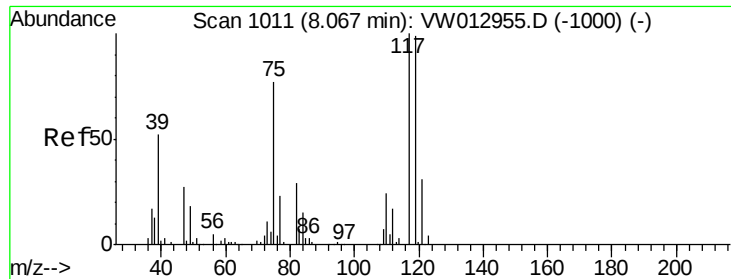
Tgt Ion: 113 Resp: 130019
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.8 124.2
 192 23.7 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 5.460 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013156.D
 Acq: 19 Sep 2019 13:09

Tgt Ion: 75 Resp: 19485
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.4 49.1#
 77 0.0 25.1 37.7#

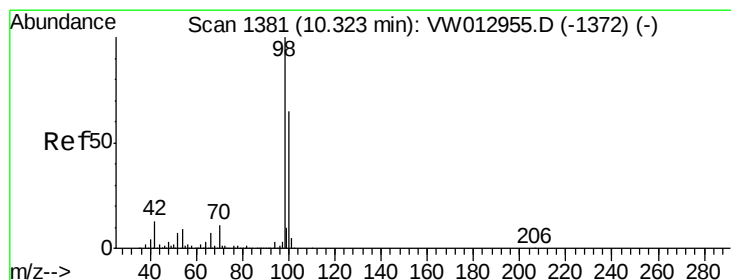
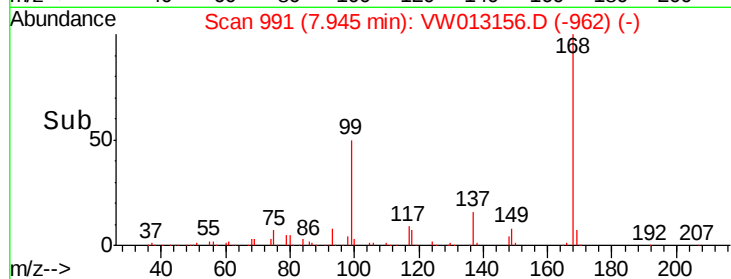
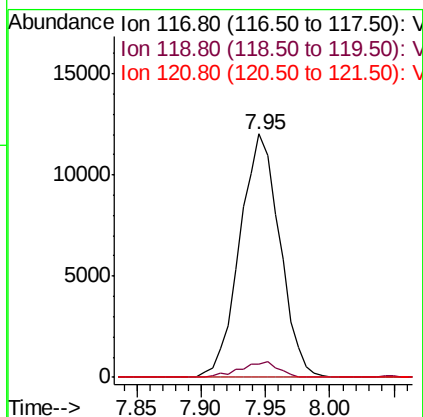
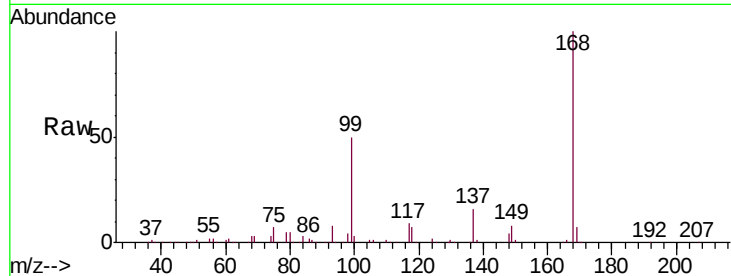




#38
Carbon Tetrachloride
Concen: 7.046 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013156.D
Acq: 19 Sep 2019 13:09

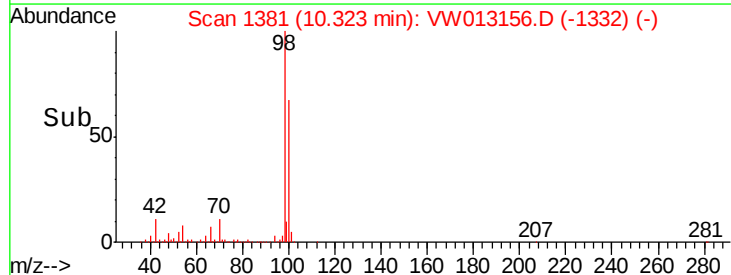
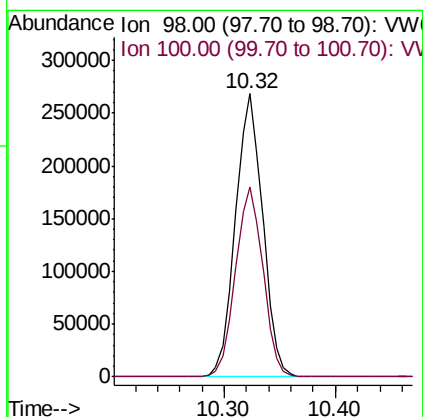
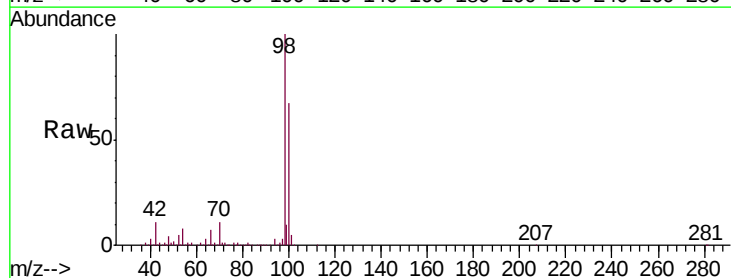
Instrument :
MSVOA_W
ClientSampleId :
CSA-4-2-1.5

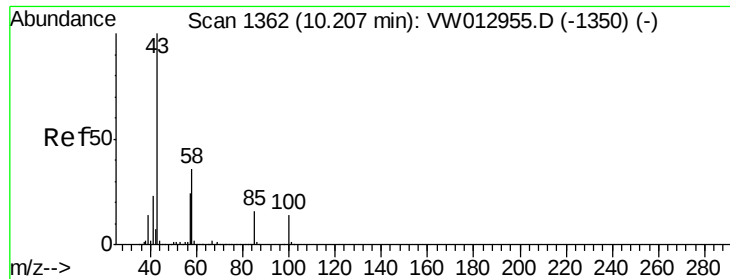
Tgt Ion:117 Resp: 25770
Ion Ratio Lower Upper
117 100
119 5.3 79.4 119.0#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 48.088 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013156.D
Acq: 19 Sep 2019 13:09

Tgt Ion: 98 Resp: 456021
Ion Ratio Lower Upper
98 100
100 67.4 52.1 78.1

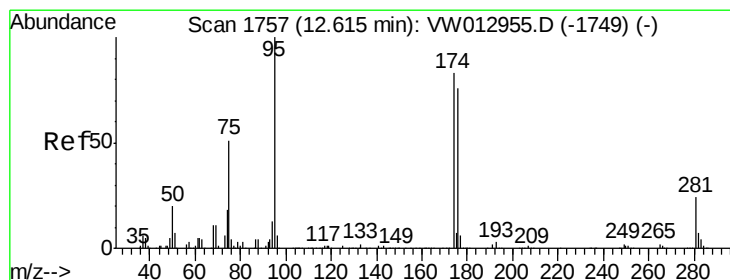
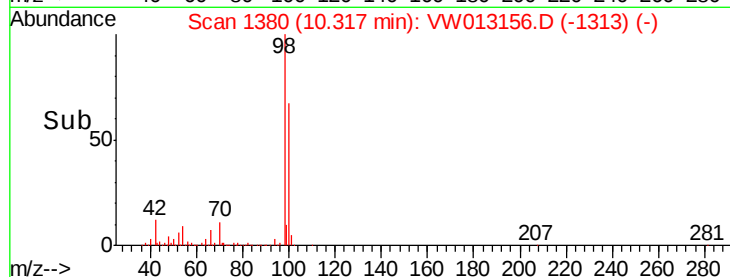
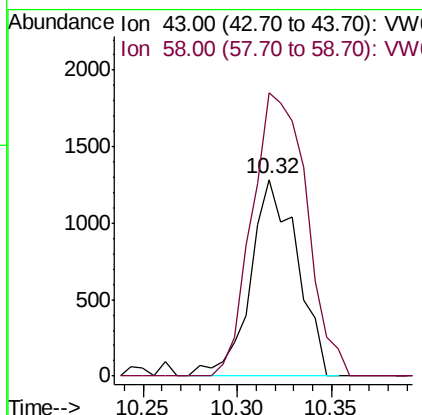
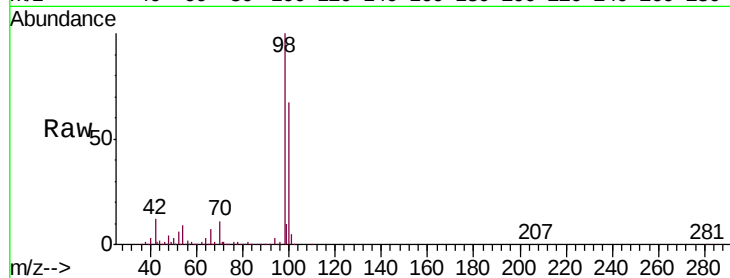




#51
 4-Methyl-2-Pentanone
 Concen: 1.176 ug/l
 RT: 10.32 min Scan# 1380
 Delta R.T. 0.11 min
 Lab File: VW013156.D
 Acq: 19 Sep 2019 13:09

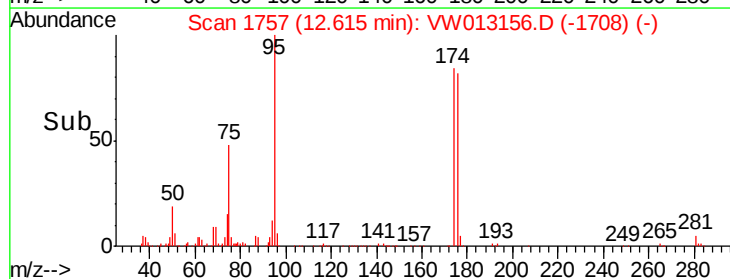
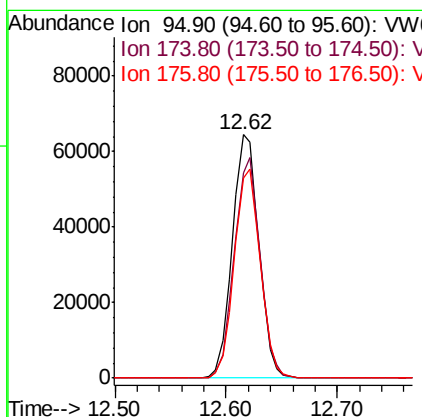
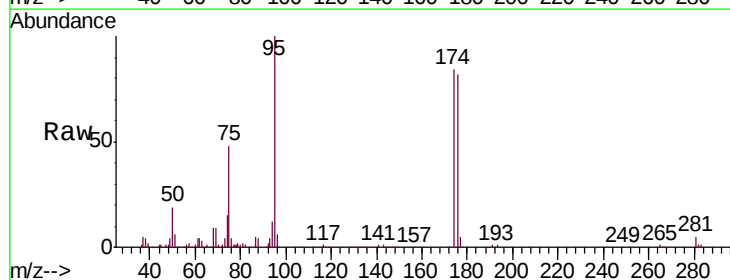
Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-4-2-1.5

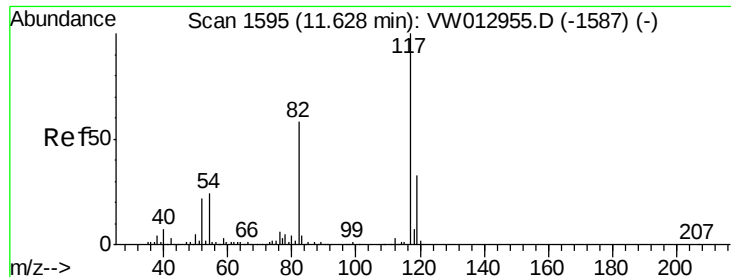
Tgt Ion: 43 Resp: 2209
 Ion Ratio Lower Upper
 43 100
 58 168.4 29.5 44.3#



#62
 4-Bromofluorobenzene
 Concen: 31.158 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013156.D
 Acq: 19 Sep 2019 13:09

Tgt Ion: 95 Resp: 106245
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 170.4
 176 84.6 0.0 164.6

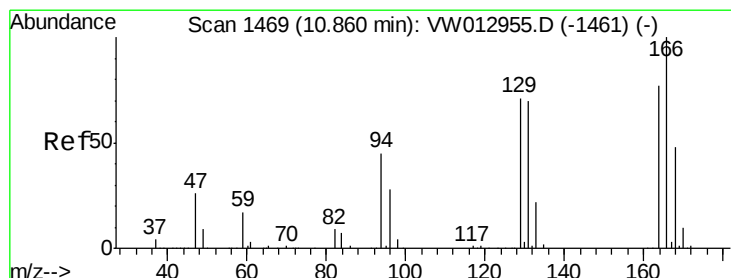
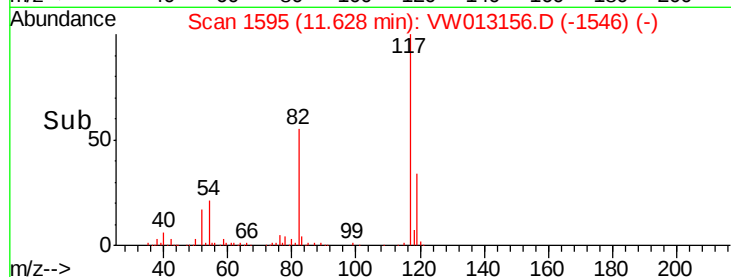
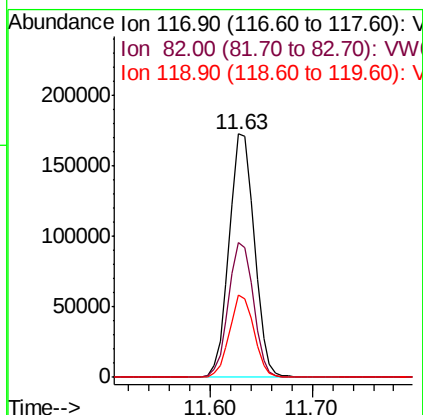
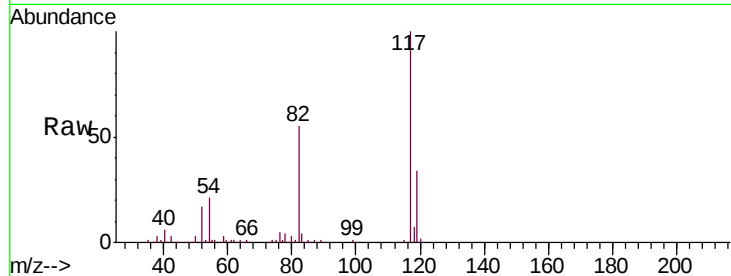




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013156.D
Acq: 19 Sep 2019 13:09

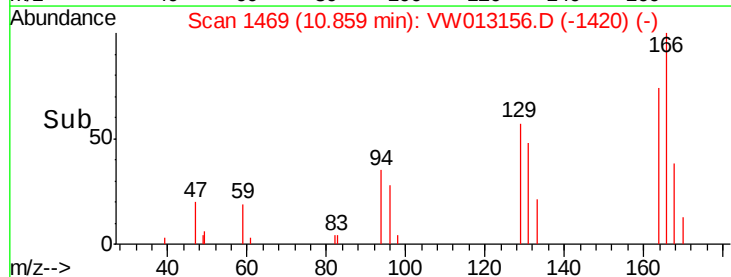
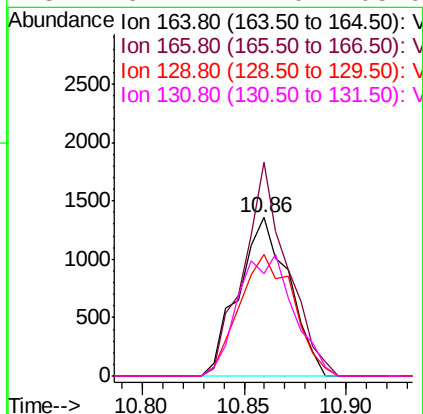
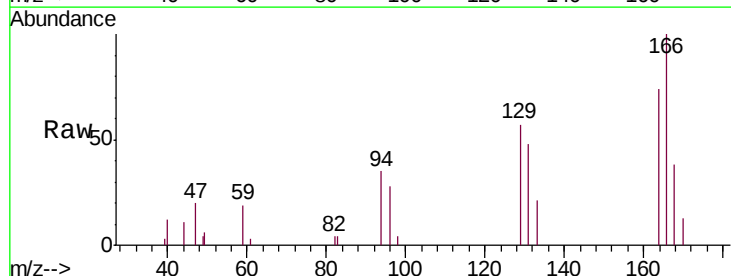
Instrument :
MSVOA_W
ClientSampleId :
CSA-4-2-1.5

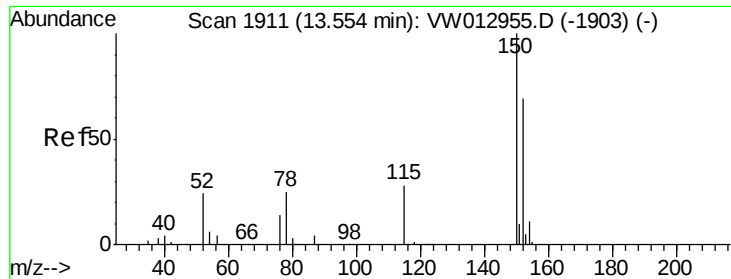
Tgt Ion:117 Resp: 294508
Ion Ratio Lower Upper
117 100
82 55.3 46.3 69.5
119 33.7 26.2 39.4



#64
Tetrachloroethene
Concen: 1.334 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013156.D
Acq: 19 Sep 2019 13:09

Tgt Ion:164 Resp: 2338
Ion Ratio Lower Upper
164 100
166 134.7 103.3 154.9
129 76.5 73.8 110.8
131 64.4 72.0 108.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013156.D

Acq: 19 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampled :

CSA-4-2-1.5

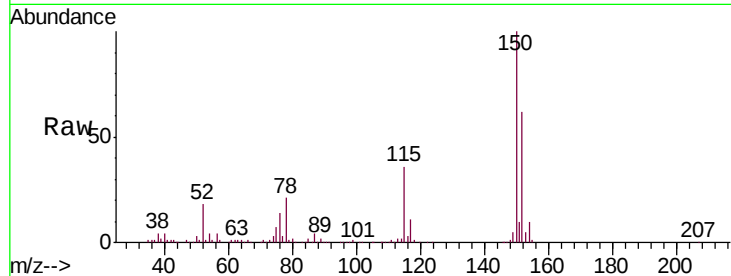
Tgt Ion: 152 Resp: 79162

Ion Ratio Lower Upper

152 100

115 55.4 28.8 86.4

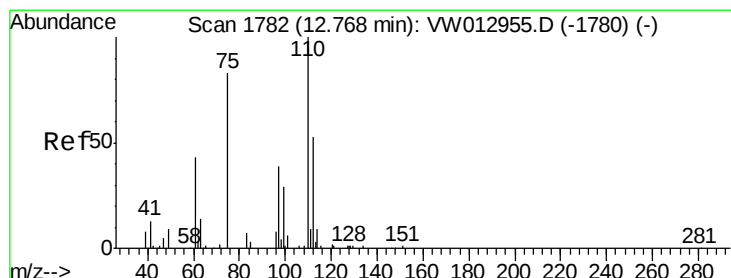
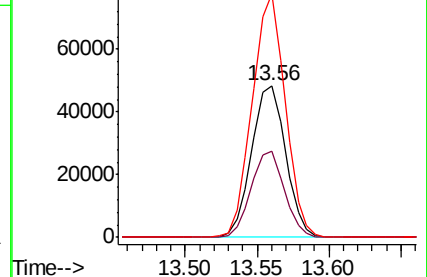
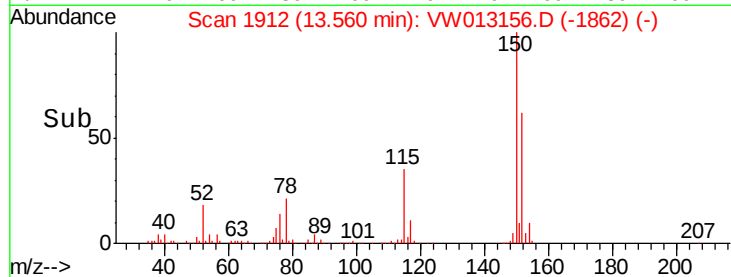
150 154.9 0.0 340.2



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: 72.758 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013156.D

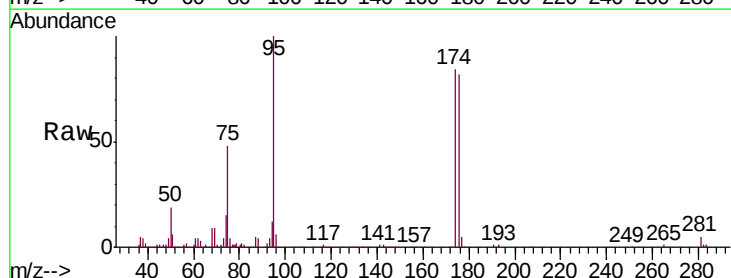
Acq: 19 Sep 2019 13:09

Tgt Ion: 75 Resp: 50450

Ion Ratio Lower Upper

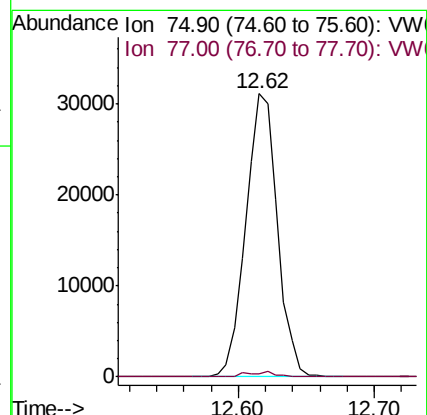
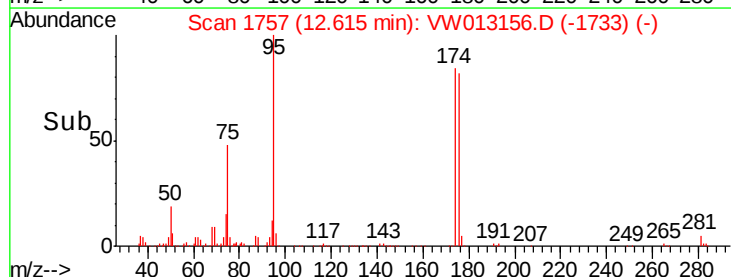
75 100

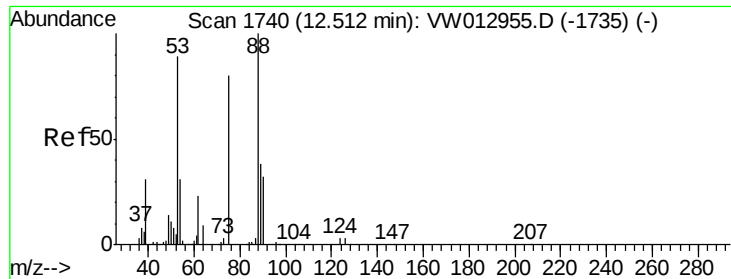
77 1.6 0.0 0.0#



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: 165.050 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013156.D

Acq: 19 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

CSA-4-2-1.5

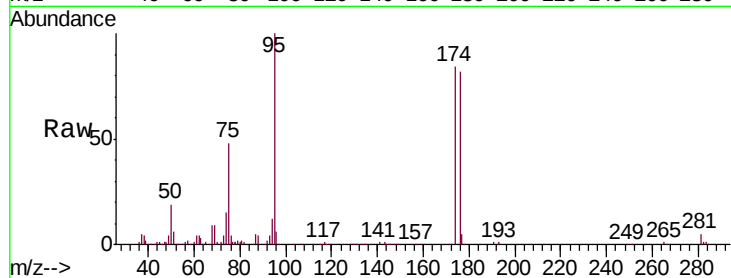
Tgt Ion: 75 Resp: 50450

Ion Ratio Lower Upper

75 100

53 0.2 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

