

Data File : VW013168.D
Acq On : 19 Sep 2019 18:18
Operator : SY/VA
Sample : K4877-07
Misc : 6.87G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CSA-2-3-2

Quant Time: Sep 20 07:48:14 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	300139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	245643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50204	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	124464	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	
35) Dibromofluoromethane	7.88	113	126335	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
50) Toluene-d8	10.32	98	461098	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.62	95	73619	22.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.80%	

Target Compounds

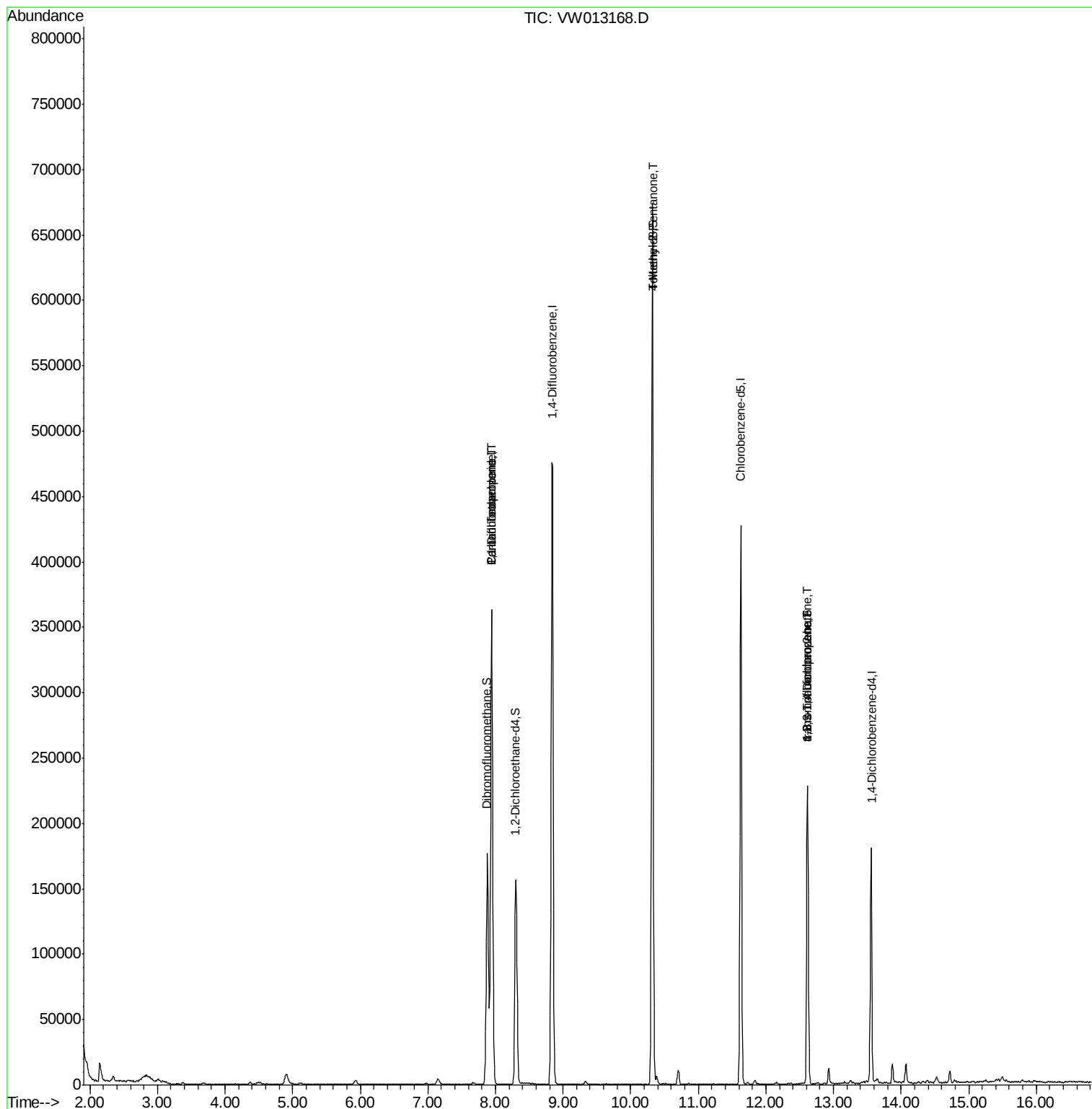
						Qvalue
2) Dichlorodifluoromethane	2.04	85	40	Below Cal	#	44
3) Chloromethane	2.21	50	178	Below Cal	#	41
11) Tert butyl alcohol	5.13	59	447	Below Cal	#	72
16) Acetone	4.15	43	1325	Below Cal	#	87
20) Methylene Chloride	4.90	84	6631	Below Cal		93
26) 2,2-Dichloropropane	7.13	77	300	Below Cal	#	55
31) Cyclohexane	7.94	56	5540	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	19892	5.782	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25518	7.238	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	2056	1.136	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	35342	80.369	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	35342	182.315	ug/l #	7

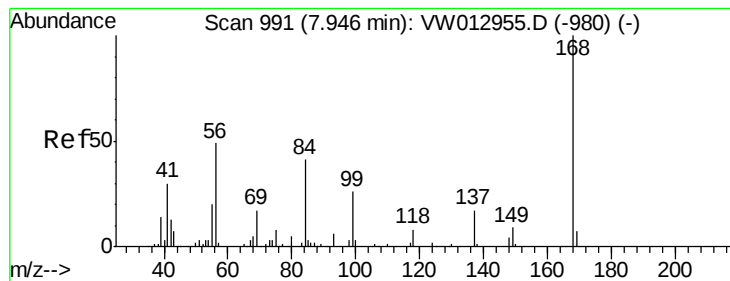
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013168.D

Acq: 19 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

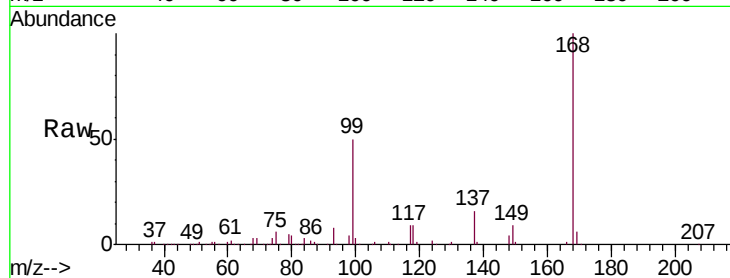
CSA-2-3-2

Tgt Ion:168 Resp: 300139

Ion Ratio Lower Upper

168 100

99 49.7 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

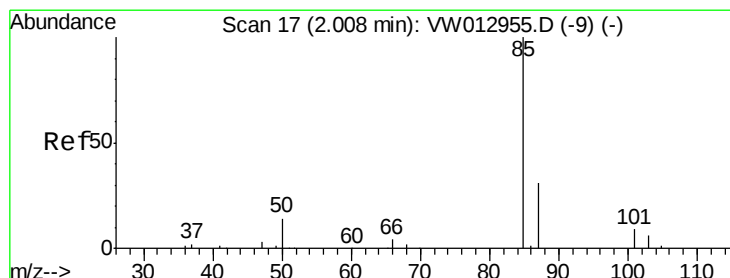
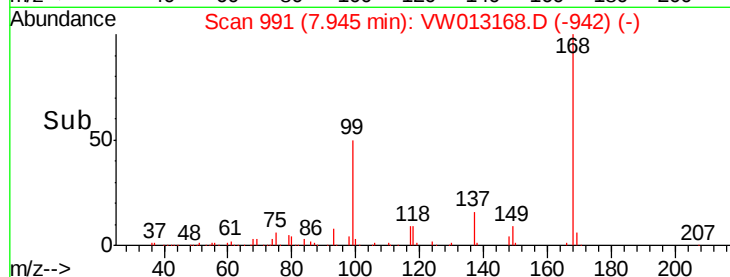
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.04 min Scan# 23

Delta R.T. 0.04 min

Lab File: VW013168.D

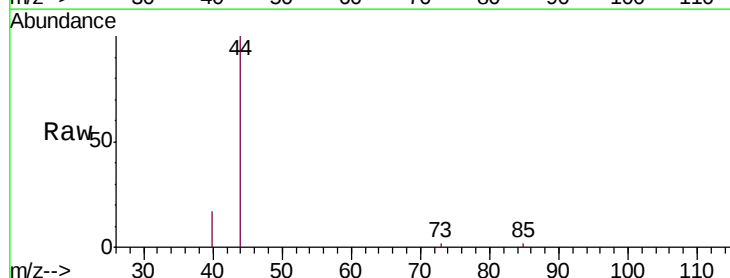
Acq: 19 Sep 2019 18:18

Tgt Ion: 85 Resp: 40

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

2.04

60

50

40

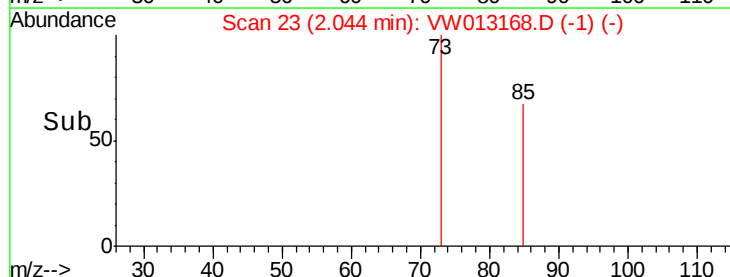
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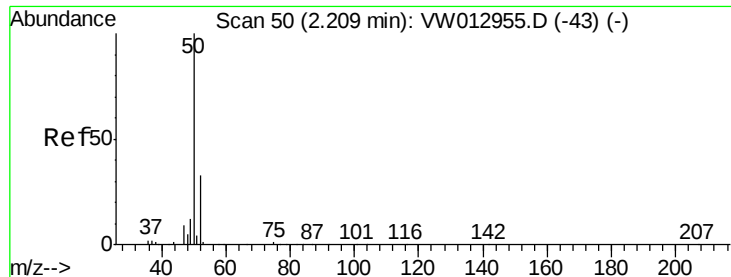
20

10

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013168.D

Acq: 19 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

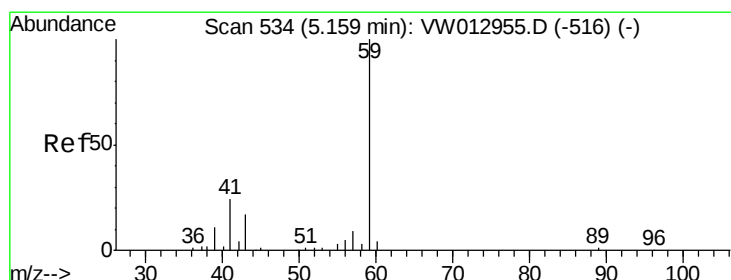
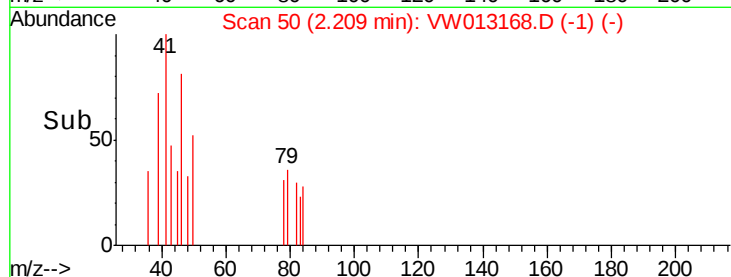
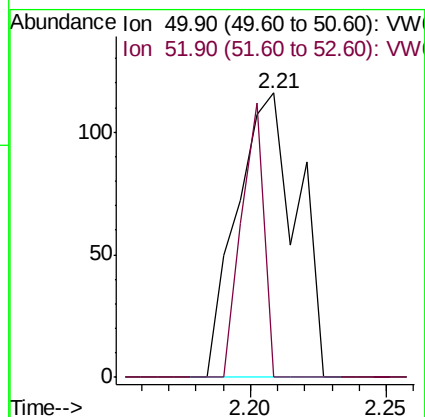
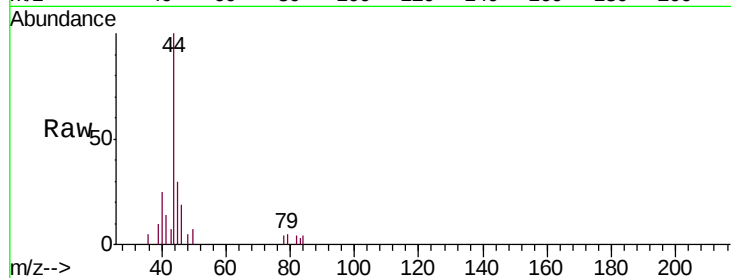
CSA-2-3-2

Tgt Ion: 50 Resp: 178

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.13 min Scan# 530

Delta R.T. -0.02 min

Lab File: VW013168.D

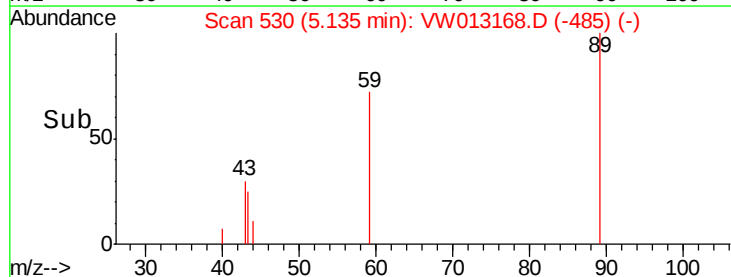
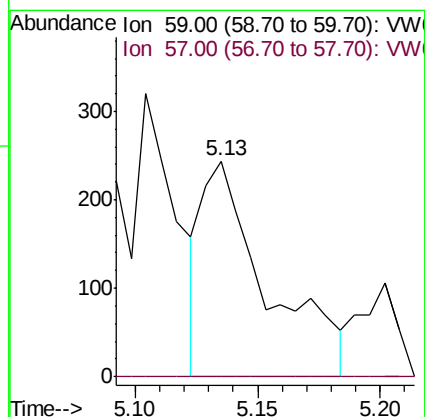
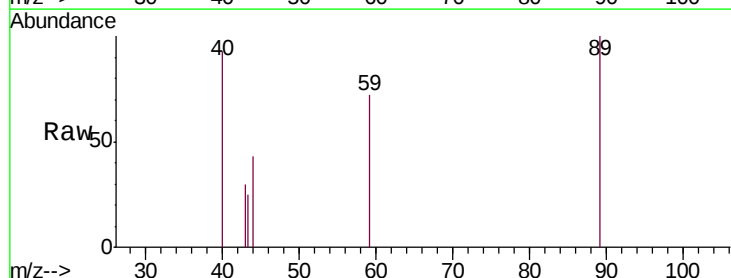
Acq: 19 Sep 2019 18:18

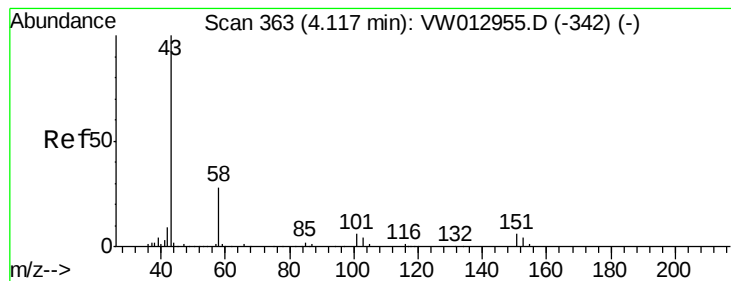
Tgt Ion: 59 Resp: 447

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: VW013168.D

Acq: 19 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

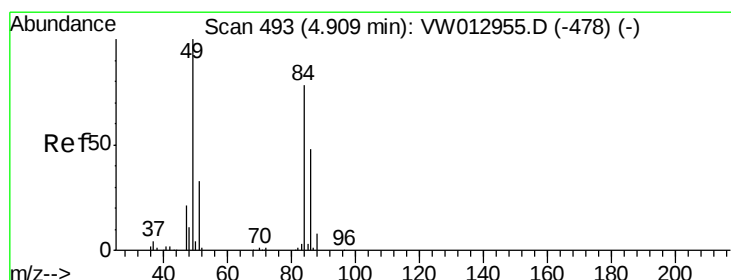
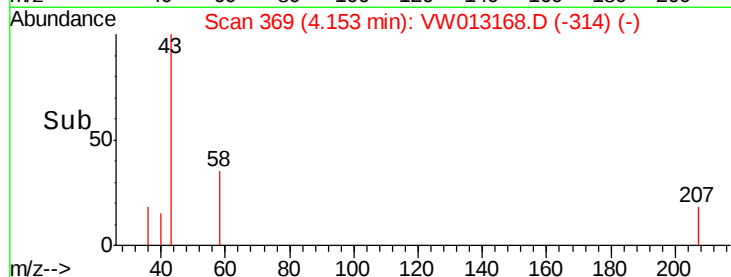
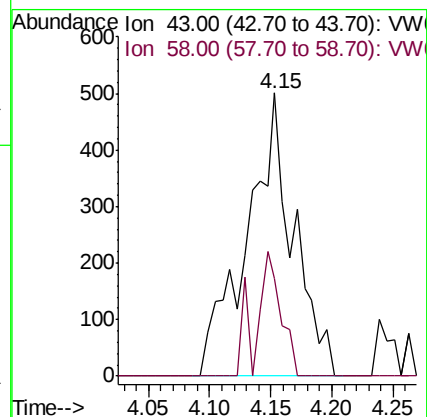
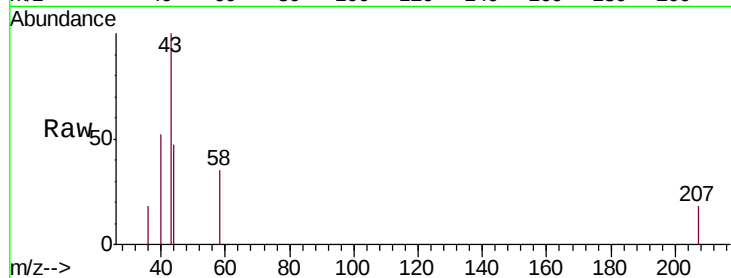
CSA-2-3-2

Tgt Ion: 43 Resp: 1325

Ion Ratio Lower Upper

43 100

58 34.7 22.3 33.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013168.D

Acq: 19 Sep 2019 18:18

Tgt Ion: 84 Resp: 6631

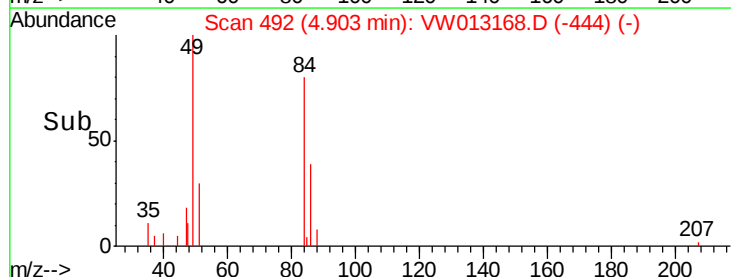
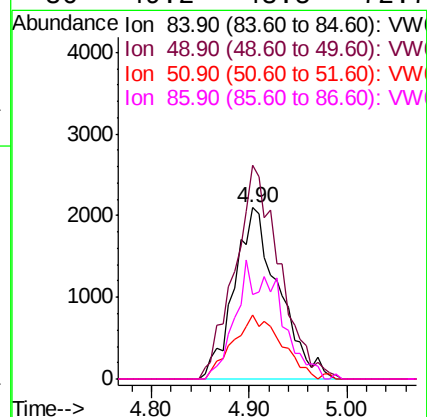
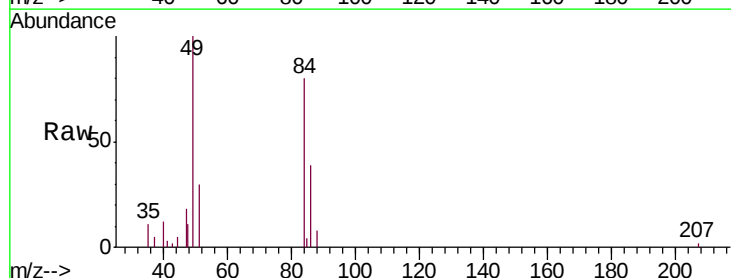
Ion Ratio Lower Upper

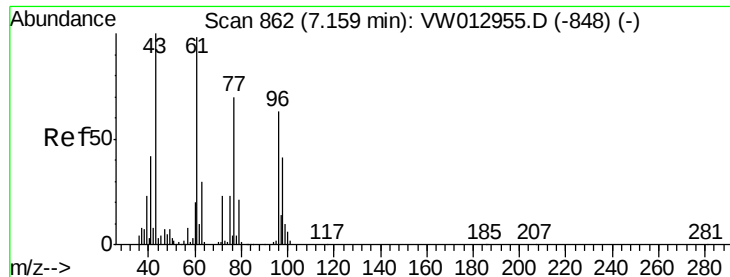
84 100

49 124.7 102.0 153.0

51 37.7 34.0 51.0

86 49.2 48.5 72.7

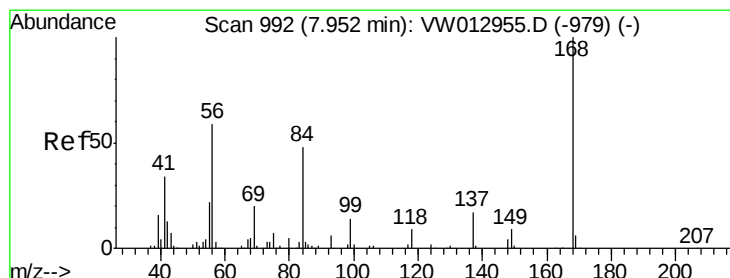
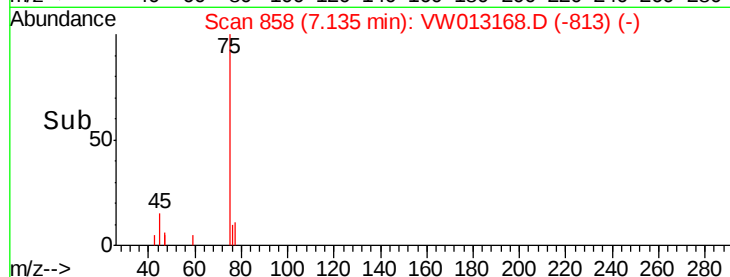
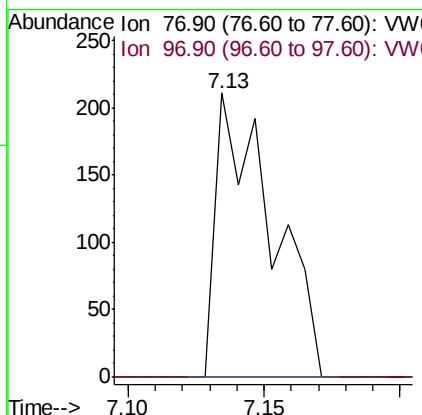
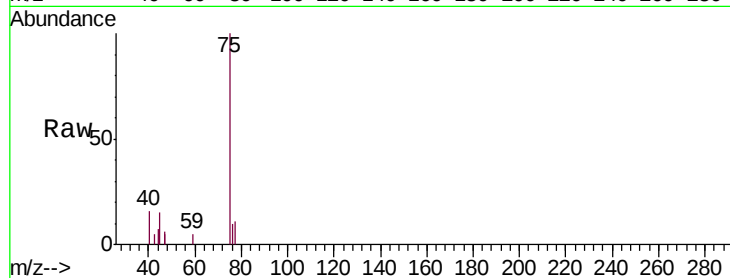




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.13 min Scan# 858
Delta R.T. -0.02 min
Lab File: VW013168.D
Acq: 19 Sep 2019 18:18

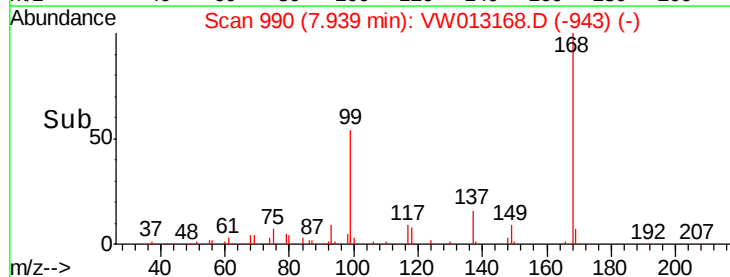
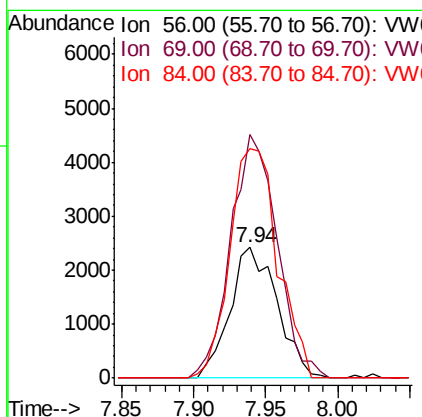
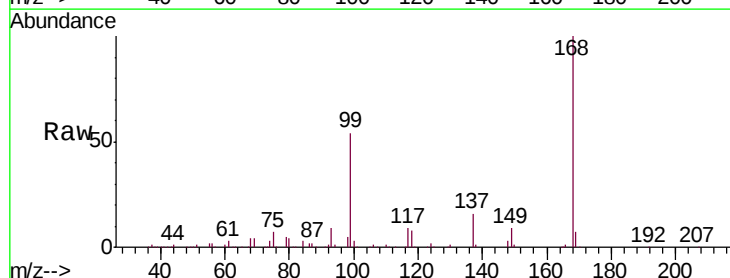
Instrument :
MSVOA_W
ClientSampleId :
CSA-2-3-2

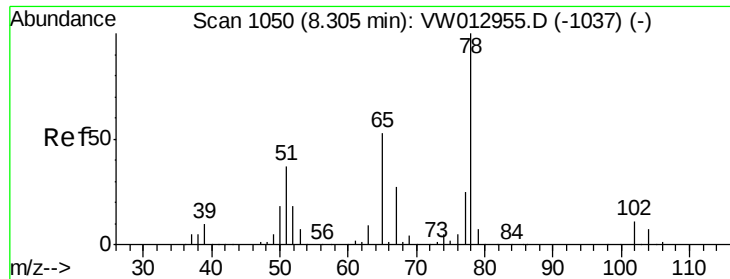
Tgt Ion: 77 Resp: 300
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#



#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013168.D
Acq: 19 Sep 2019 18:18

Tgt Ion: 56 Resp: 5540
Ion Ratio Lower Upper
56 100
69 186.4 27.0 40.6#
84 176.1 66.2 99.2#

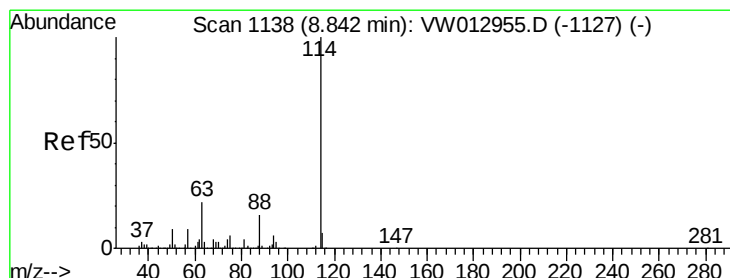
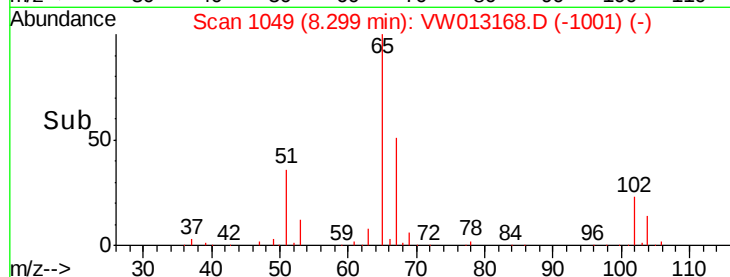
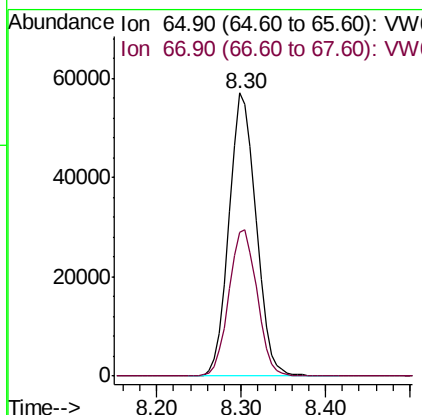
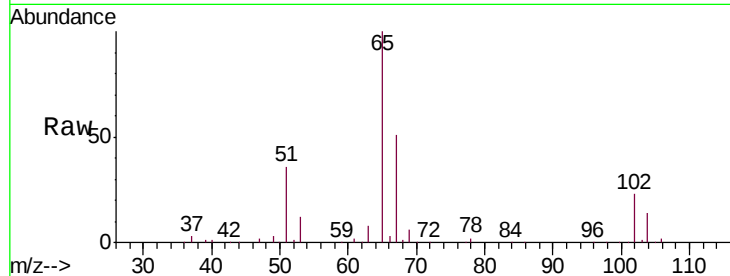




#33
 1,2-Dichloroethane-d4
 Concen: 44.900 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013168.D
 Acq: 19 Sep 2019 18:18

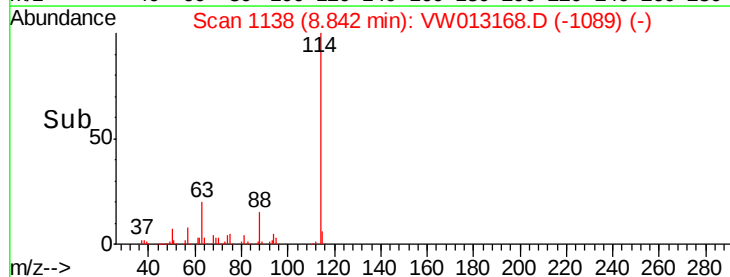
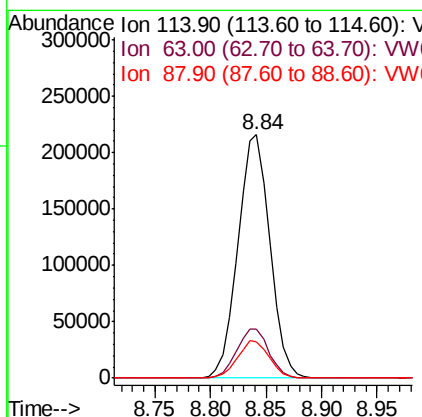
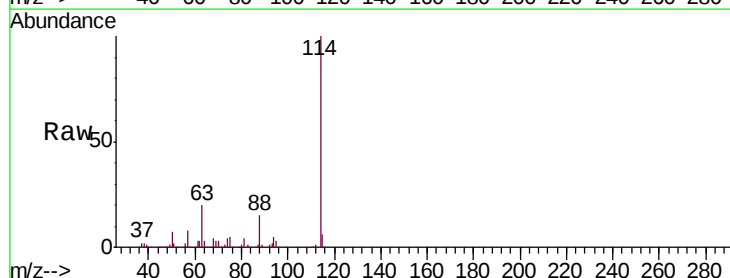
Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-2-3-2

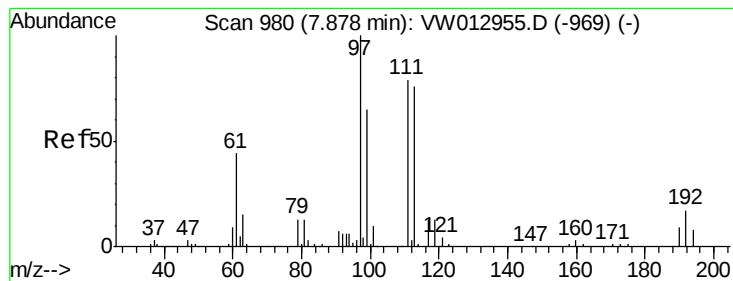
Tgt Ion: 65 Resp: 124464
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013168.D
 Acq: 19 Sep 2019 18:18

Tgt Ion: 114 Resp: 430505
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 43.4
 88 15.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 54.082 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013168.D

Acq: 19 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

CSA-2-3-2

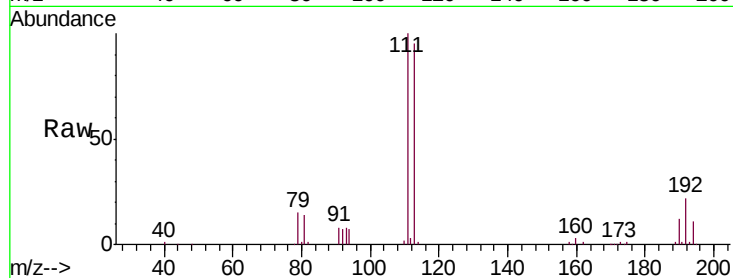
Tgt Ion:113 Resp: 126335

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

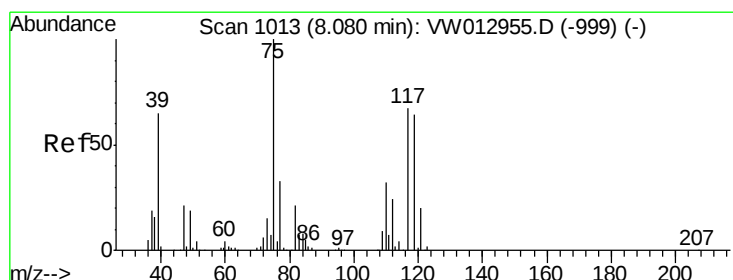
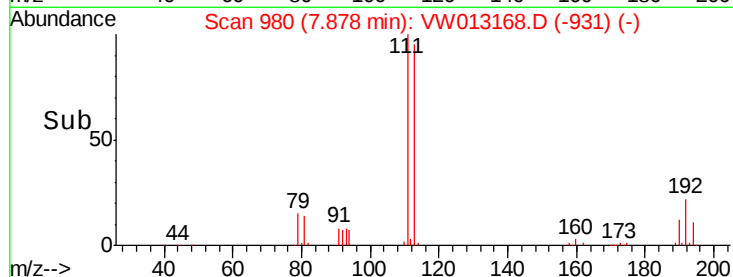
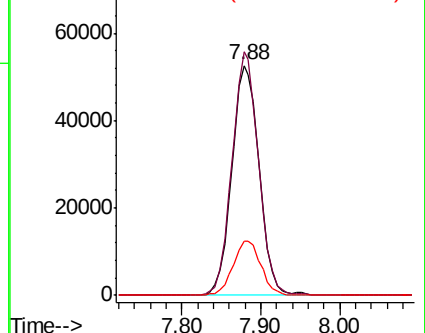
192 24.1 17.8 26.8



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: 5.782 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013168.D

Acq: 19 Sep 2019 18:18

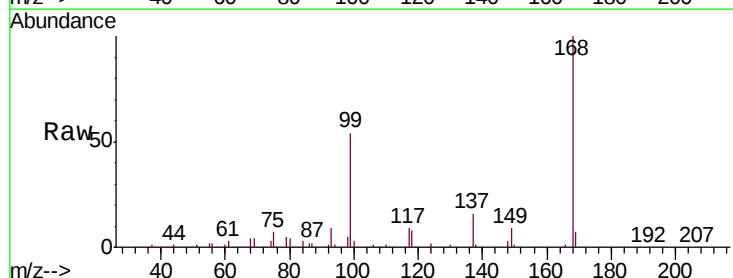
Tgt Ion: 75 Resp: 19892

Ion Ratio Lower Upper

75 100

110 10.0 16.4 49.1#

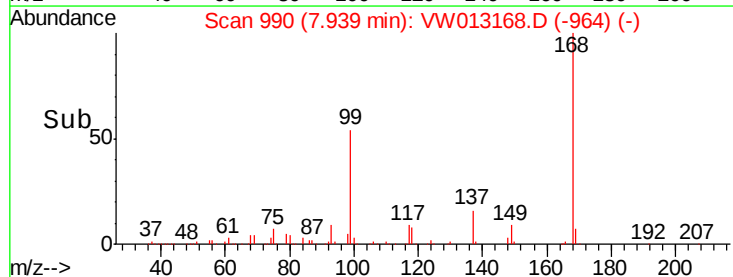
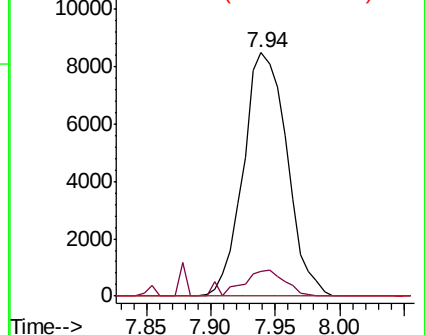
77 0.0 25.1 37.7#

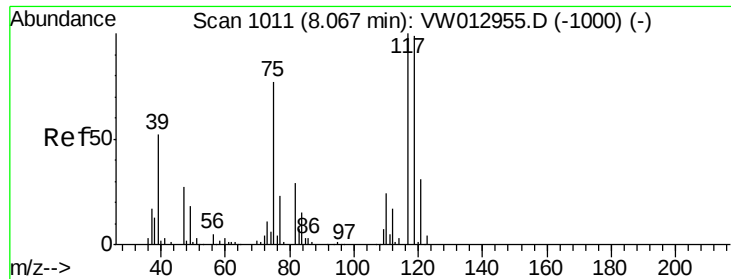


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

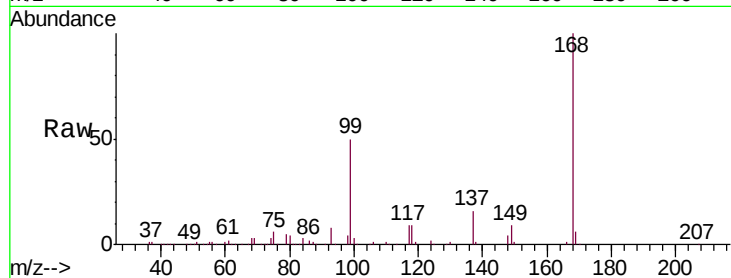




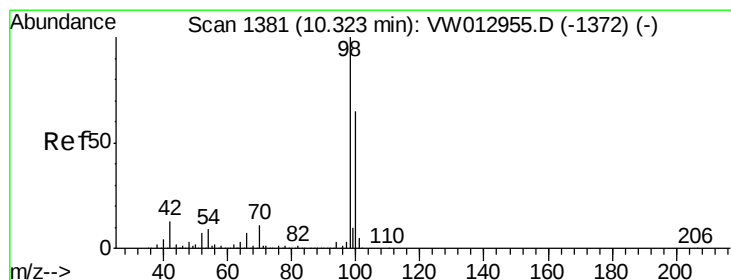
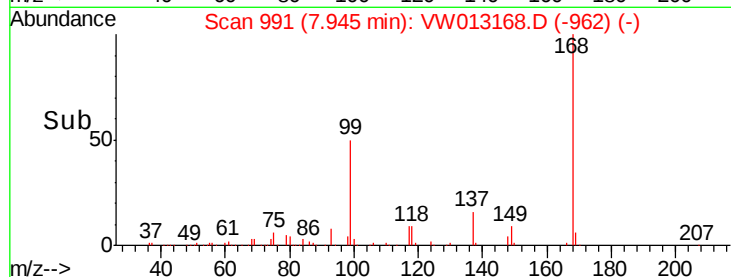
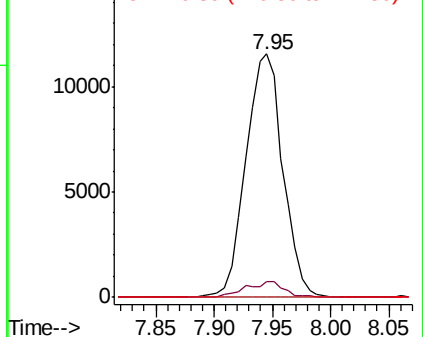
#38
 Carbon Tetrachloride
 Concen: 7.238 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013168.D
 Acq: 19 Sep 2019 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-2-3-2

Tgt Ion:117 Resp: 25518
 Ion Ratio Lower Upper
 117 100
 119 6.5 79.4 119.0#
 121 0.0 24.6 36.8#

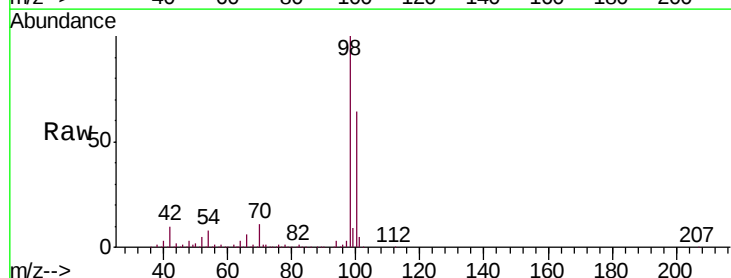


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

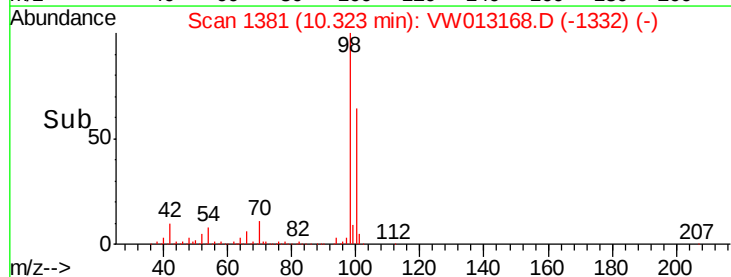
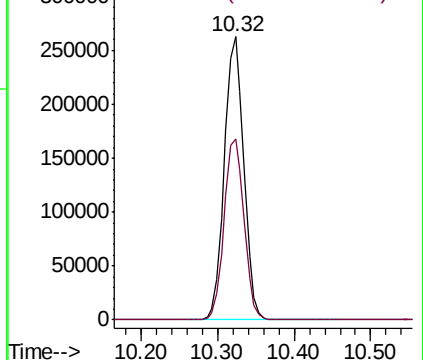


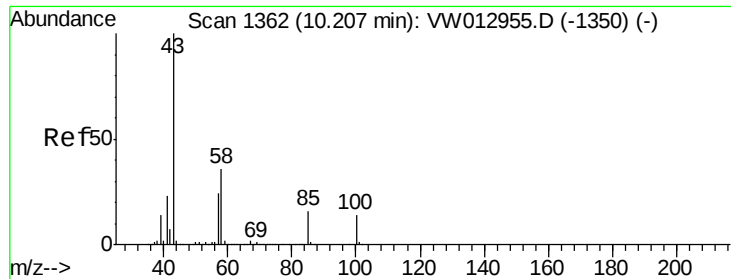
#50
 Toluene-d8
 Concen: 50.443 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013168.D
 Acq: 19 Sep 2019 18:18

Tgt Ion: 98 Resp: 461098
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): V

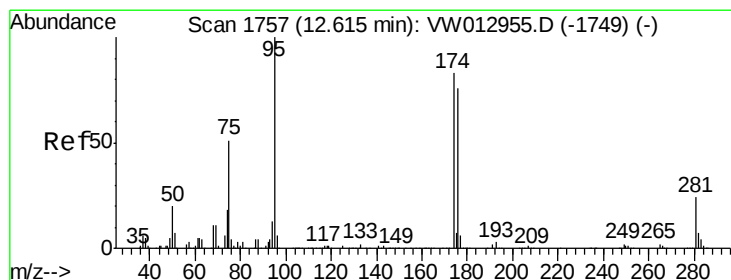
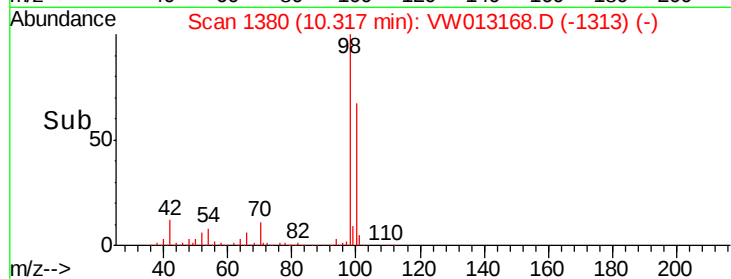
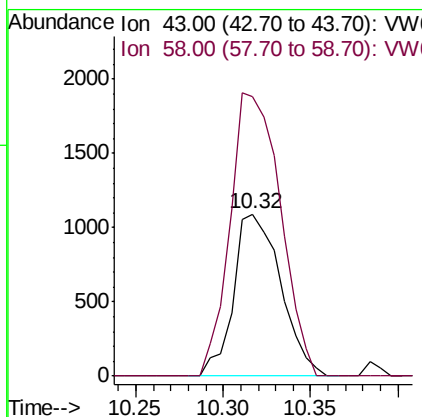
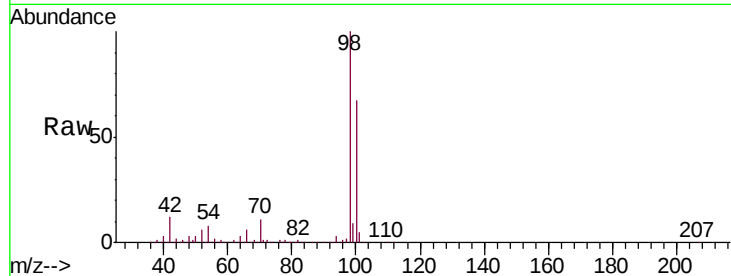




#51
 4-Methyl-2-Pentanone
 Concen: 1.136 ug/l
 RT: 10.32 min Scan# 1380
 Delta R.T. 0.11 min
 Lab File: VW013168.D
 Acq: 19 Sep 2019 18:18

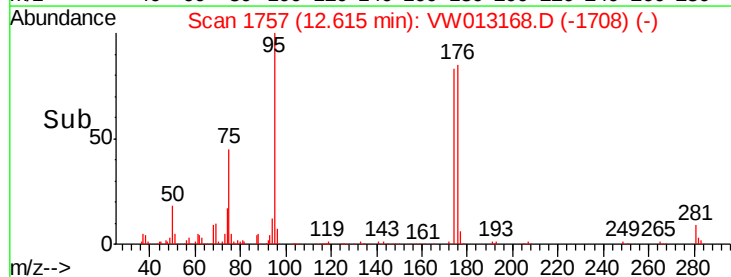
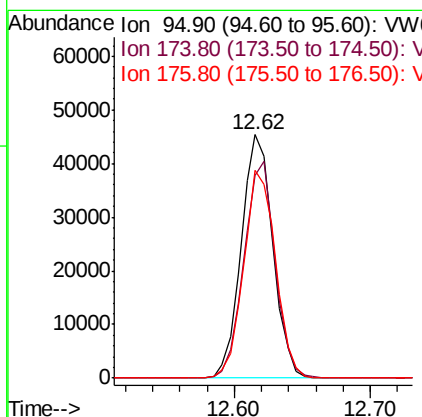
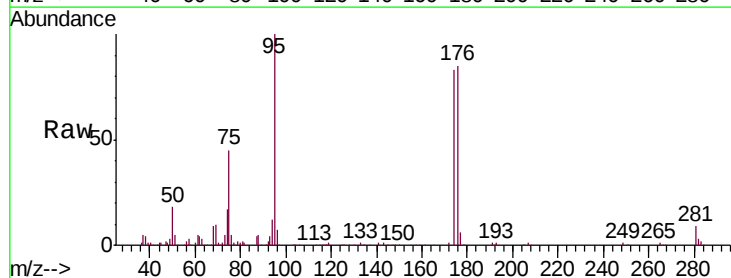
Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-2-3-2

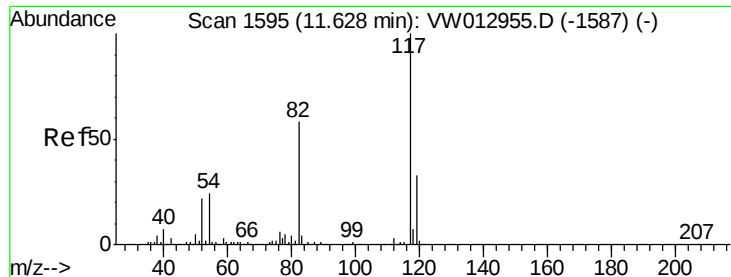
Tgt Ion: 43 Resp: 2056
 Ion Ratio Lower Upper
 43 100
 58 185.6 29.5 44.3#



#62
 4-Bromofluorobenzene
 Concen: 22.398 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013168.D
 Acq: 19 Sep 2019 18:18

Tgt Ion: 95 Resp: 73619
 Ion Ratio Lower Upper
 95 100
 174 88.1 0.0 170.4
 176 86.4 0.0 164.6

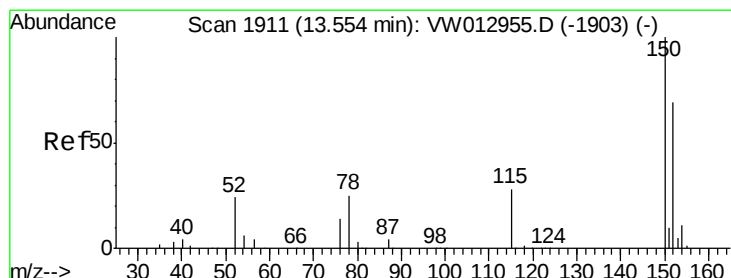
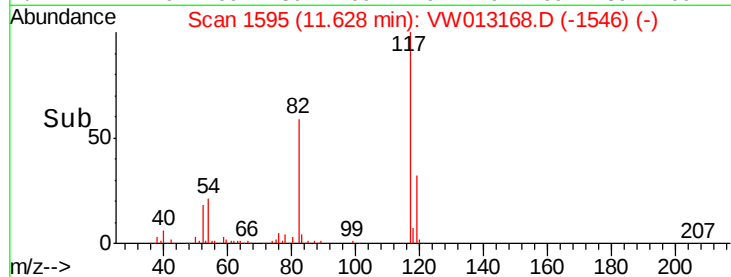
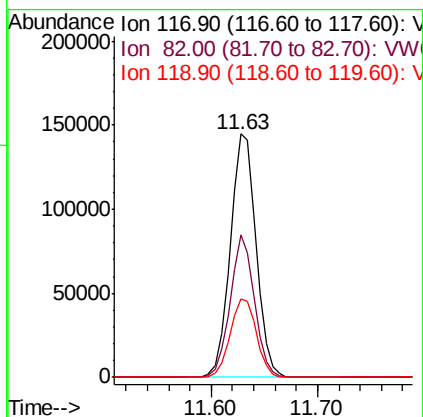
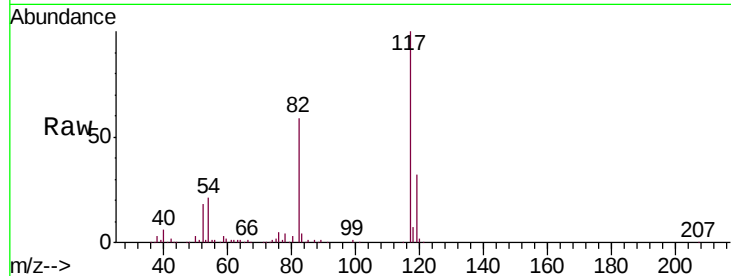




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013168.D
Acq: 19 Sep 2019 18:18

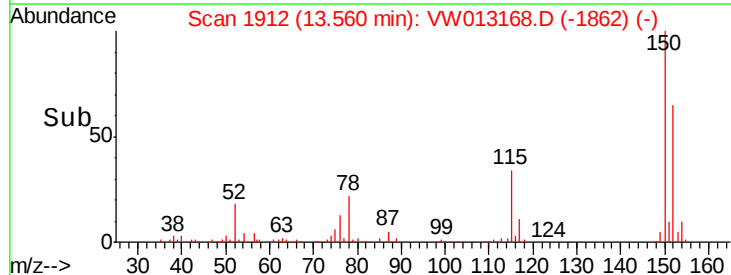
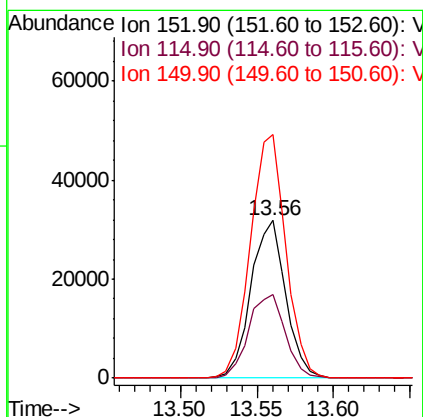
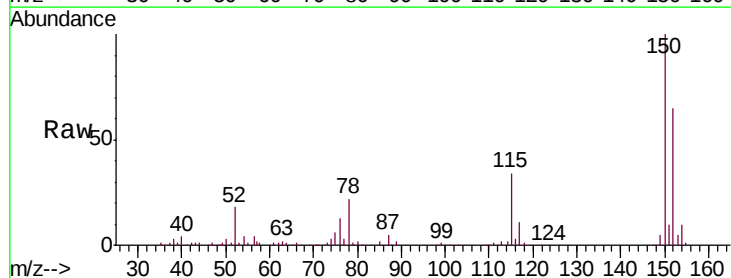
Instrument :
MSVOA_W
ClientSampleId :
CSA-2-3-2

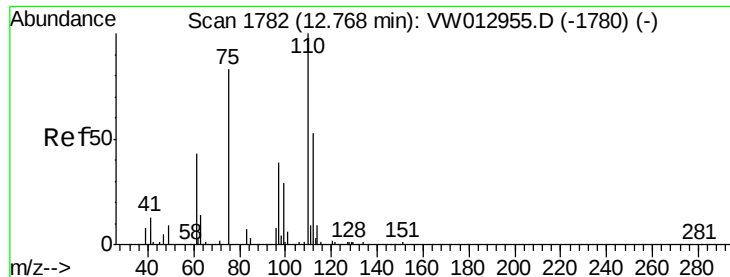
Tgt Ion:117 Resp: 245643
Ion Ratio Lower Upper
117 100
82 58.6 46.3 69.5
119 32.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013168.D
Acq: 19 Sep 2019 18:18

Tgt Ion:152 Resp: 50204
Ion Ratio Lower Upper
152 100
115 56.3 28.8 86.4
150 157.9 0.0 340.2

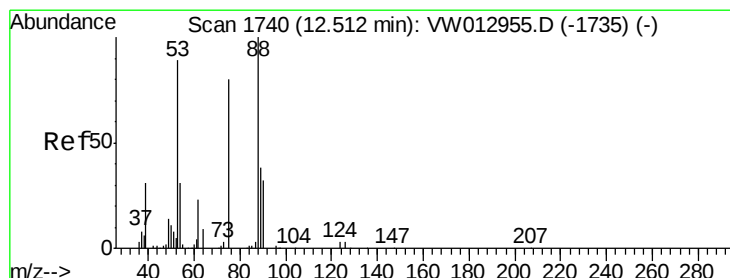
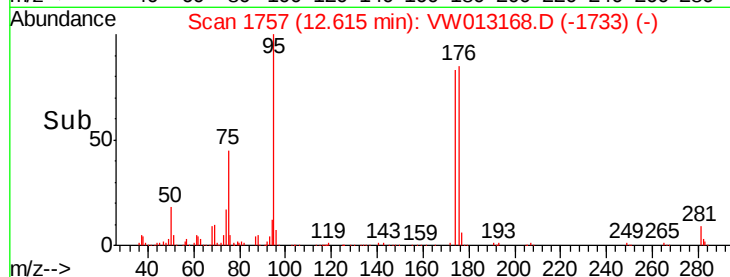
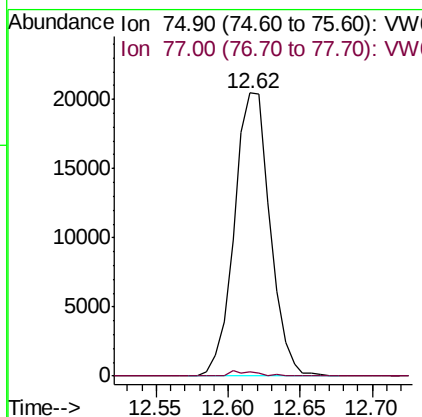
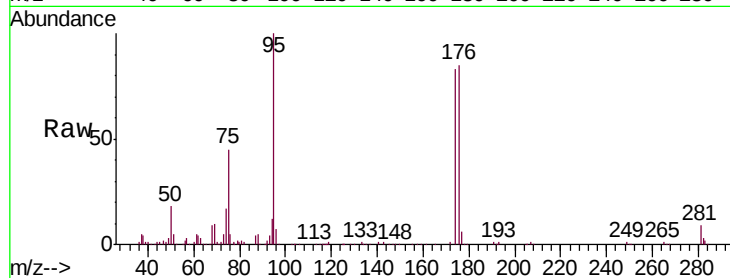




#76
 1,2,3-Trichloropropane
 Concen: 80.369 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013168.D
 Acq: 19 Sep 2019 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-2-3-2

Tgt Ion: 75 Resp: 35342
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 182.315 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013168.D
 Acq: 19 Sep 2019 18:18

Tgt Ion: 75 Resp: 35342
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.6 128.4#
 89 0.2 37.2 55.8#

