

Data File : VW013165.D
Acq On : 19 Sep 2019 17:01
Operator : SY/VA
Sample : K4825-10RE
Misc : 4.68G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CSA-4-2-1

Quant Time: Sep 20 07:47:22 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	307394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	475920	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	100359	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	137789	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
35) Dibromofluoromethane	7.88	113	132948	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.32	98	505851	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.61	95	124763	34.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.68%	

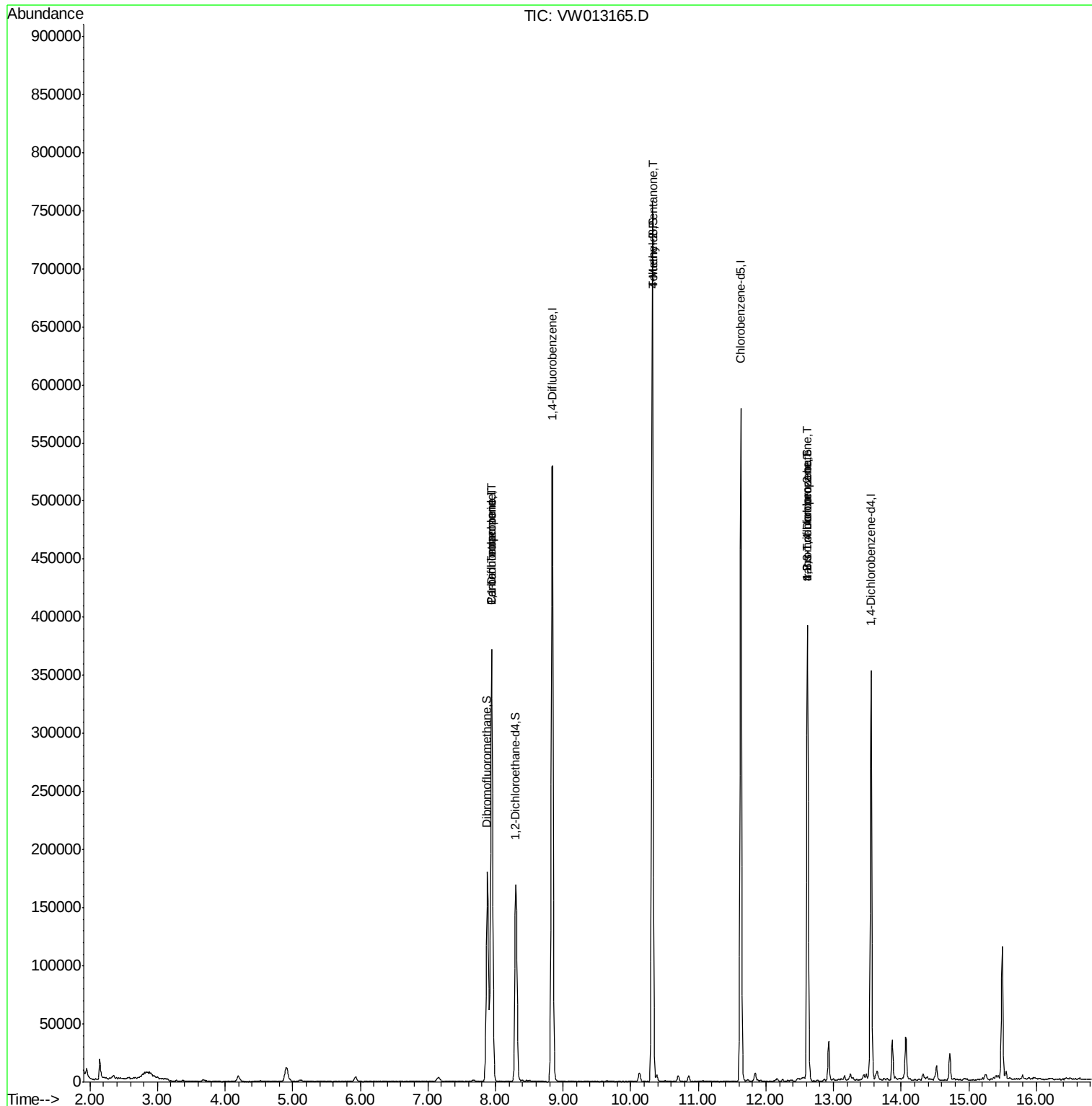
Target Compounds			Qvalue				
3) Chloromethane	2.21	50	232	Below Cal	#	41	
11) Tert butyl alcohol	5.12	59	922	Below Cal	#	72	
16) Acetone	4.13	43	390	Below Cal	#	81	
20) Methylene Chloride	4.90	84	10458	Below Cal		93	
26) 2,2-Dichloropropane	7.13	77	127	Below Cal	#	55	
31) Cyclohexane	7.94	56	5252	Below Cal	#	1	
36) 1,1-Dichloropropene	7.95	75	20624	5.423	ug/l #	51	
38) Carbon Tetrachloride	7.95	117	26089	6.694	ug/l #	16	
51) 4-Methyl-2-Pentanone	10.32	43	2404	1.201	ug/l #	1	
76) 1,2,3-Trichloropropane	12.61	75	59749	67.969	ug/l #	100	
81) trans-1,4-Dichloro-2-buten	12.61	75	59749	154.186	ug/l #	7	

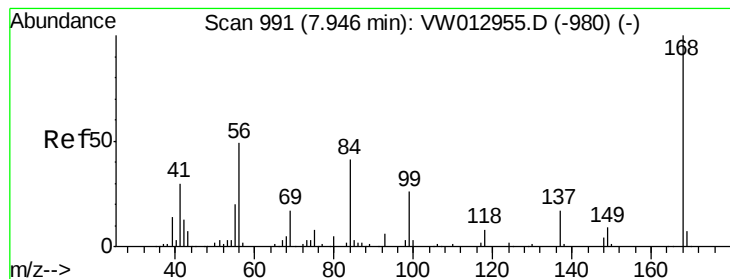
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013165.D

Acq: 19 Sep 2019 17:01

Instrument :

MSVOA_W

ClientSampleId :

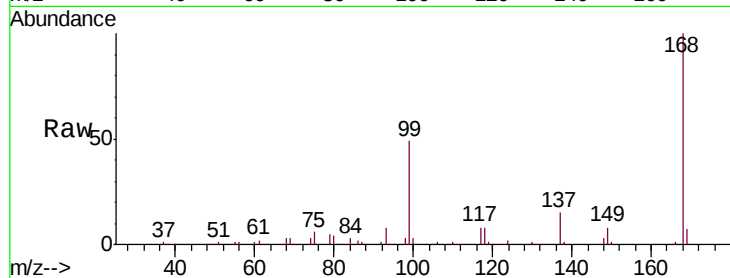
CSA-4-2-1

Tgt Ion:168 Resp: 307394

Ion Ratio Lower Upper

168 100

99 48.5 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

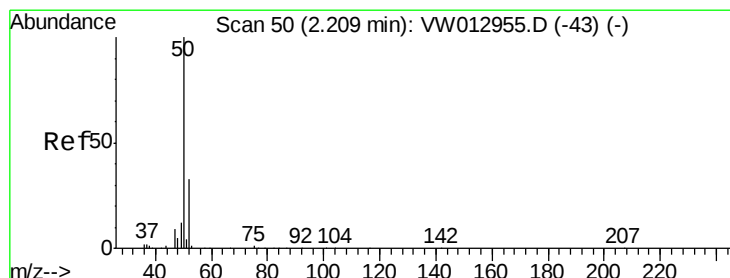
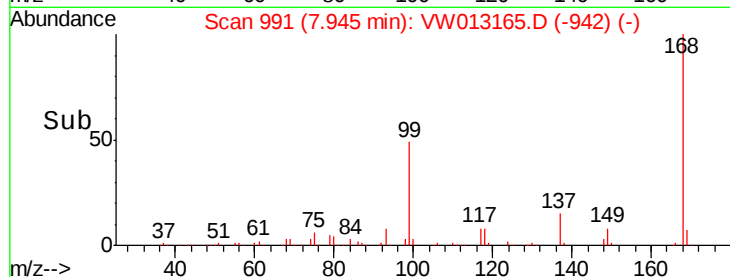
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013165.D

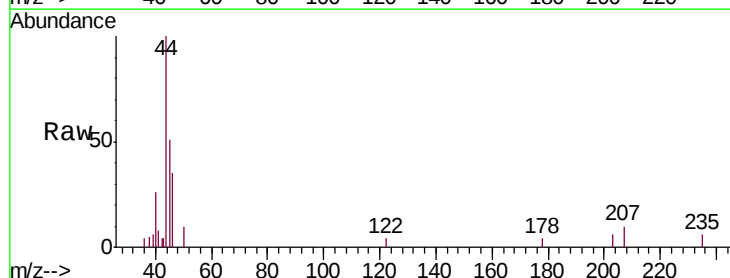
Acq: 19 Sep 2019 17:01

Tgt Ion: 50 Resp: 232

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

150

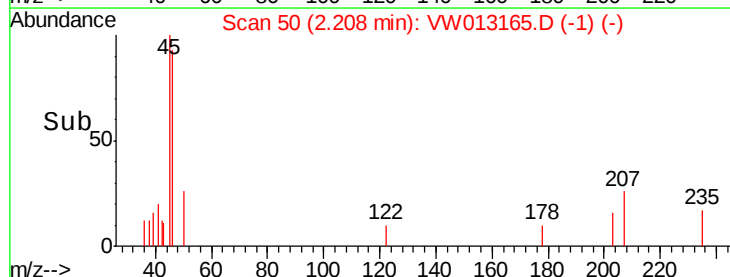
100

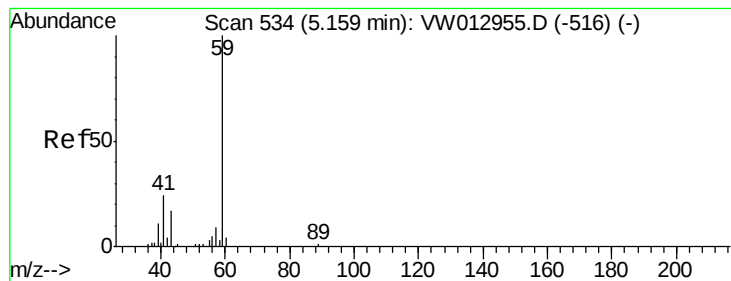
50

0

Time-->

2.20 2.25



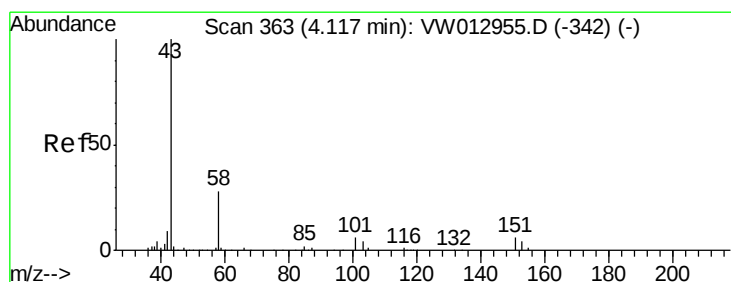
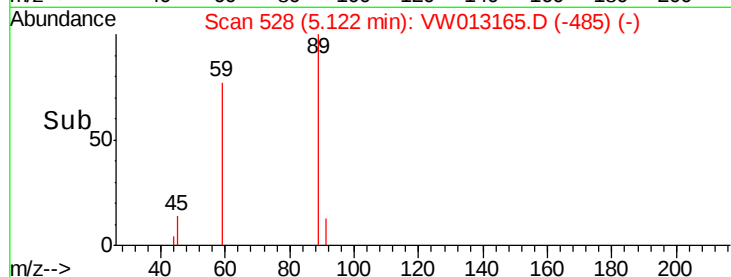
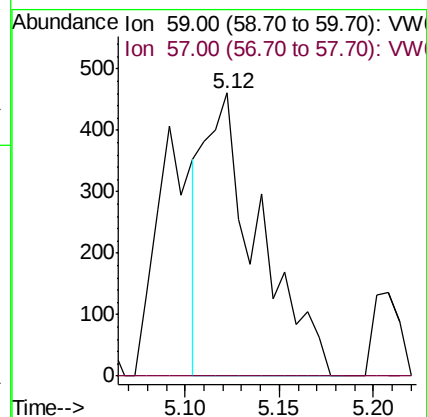
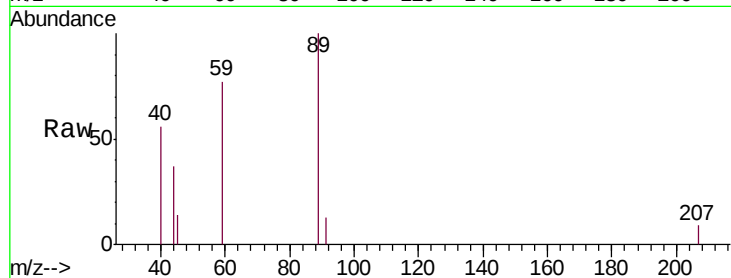


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.12 min Scan# 528
 Delta R.T. -0.04 min
 Lab File: VW013165.D
 Acq: 19 Sep 2019 17:01

Instrument :
 MSVOA_W
 ClientSampled :
 CSA-4-2-1

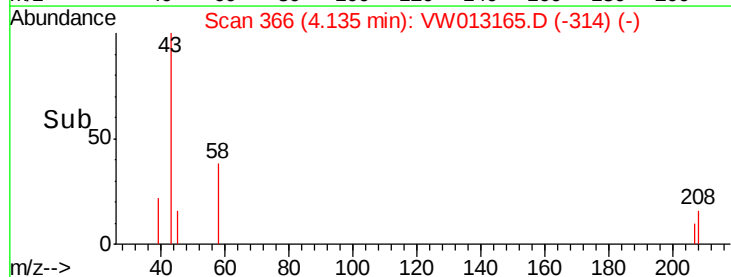
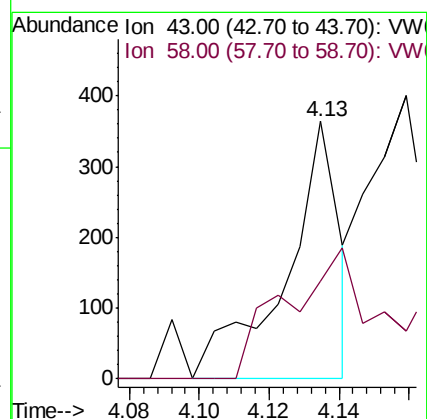
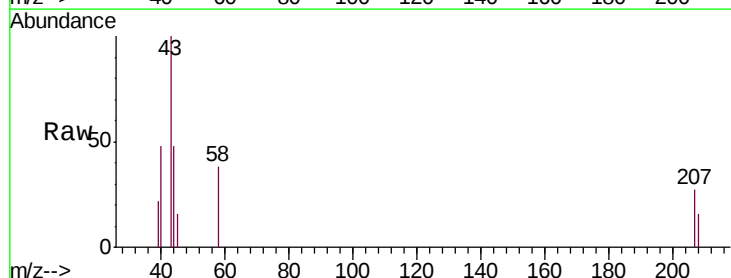
Tgt Ion: 59 Resp: 922
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

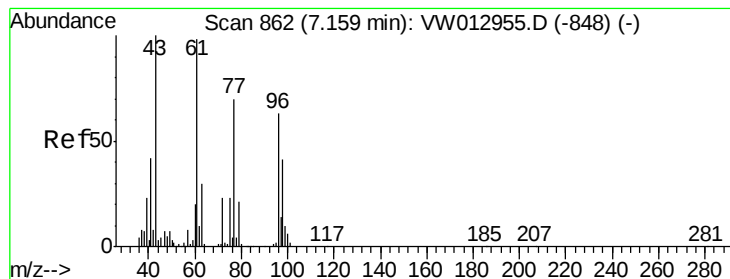


#16

Acetone
 Concen: Below Cal
 RT: 4.13 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VW013165.D
 Acq: 19 Sep 2019 17:01

Tgt Ion: 43 Resp: 390
 Ion Ratio Lower Upper
 43 100
 58 37.9 22.3 33.5#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW013165.D

Acq: 19 Sep 2019 17:01

Instrument :

MSVOA_W

ClientSampleId :

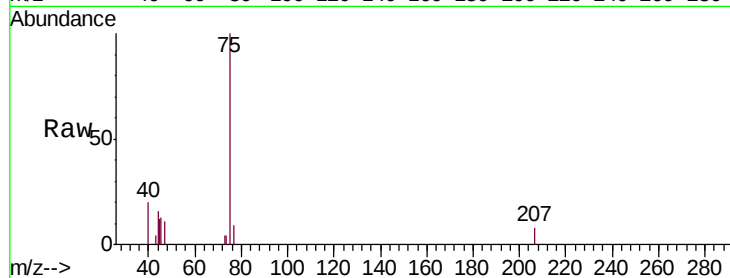
CSA-4-2-1

Tgt Ion: 77 Resp: 127

Ion Ratio Lower Upper

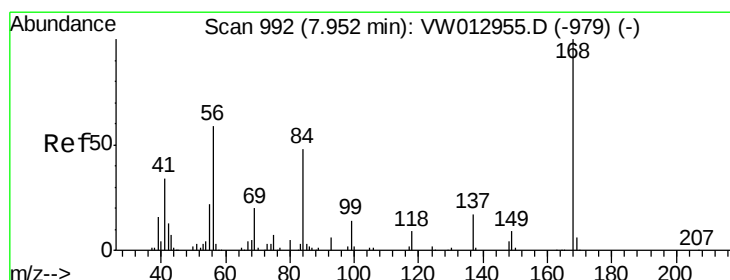
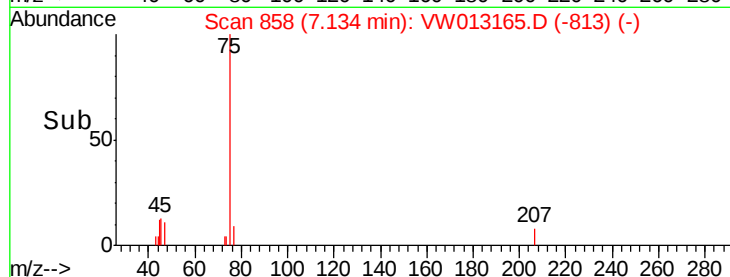
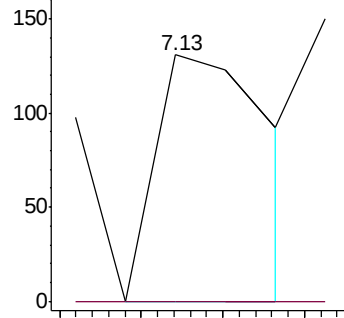
77 100

97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013165.D

Acq: 19 Sep 2019 17:01

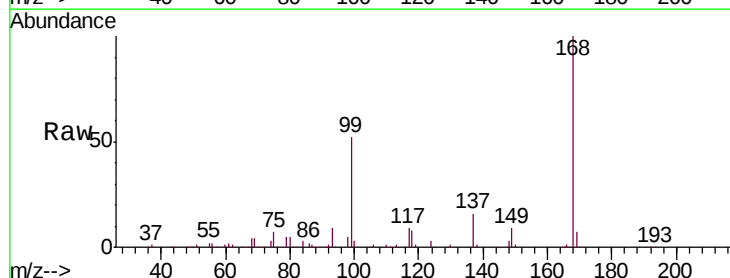
Tgt Ion: 56 Resp: 5252

Ion Ratio Lower Upper

56 100

69 182.7 27.0 40.6#

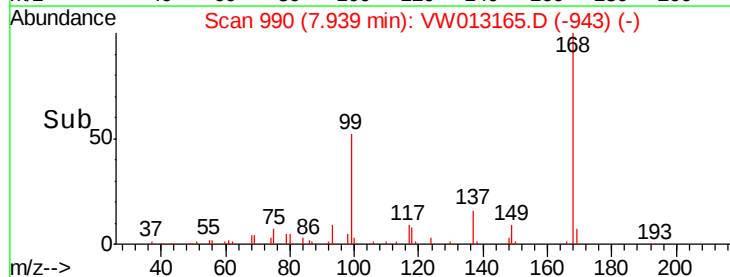
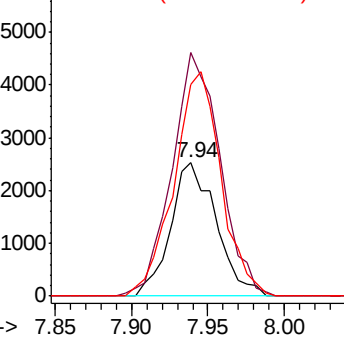
84 158.7 66.2 99.2#

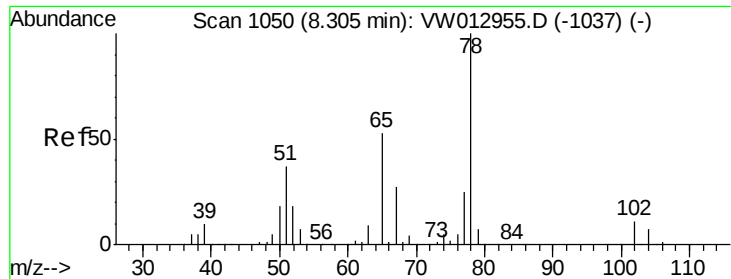


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

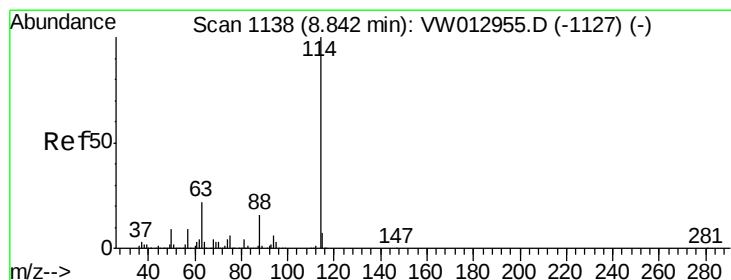
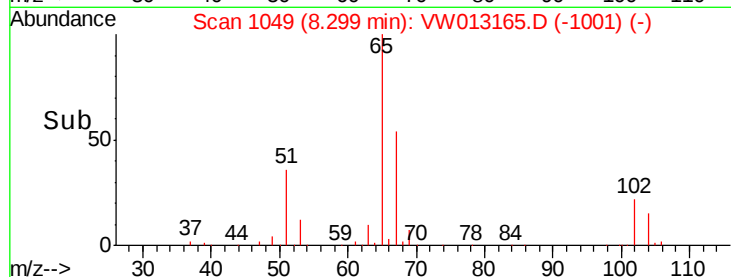
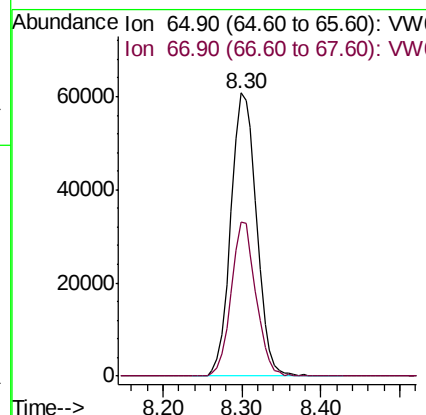
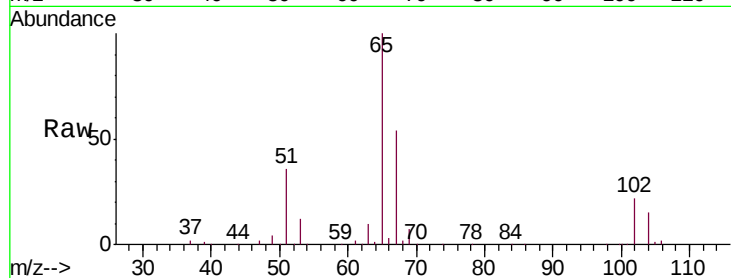




#33
 1,2-Dichloroethane-d4
 Concen: 48.534 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013165.D
 Acq: 19 Sep 2019 17:01

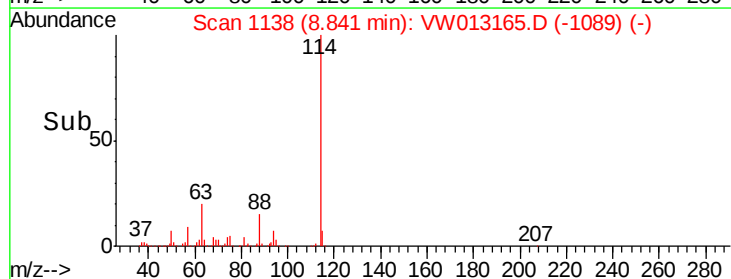
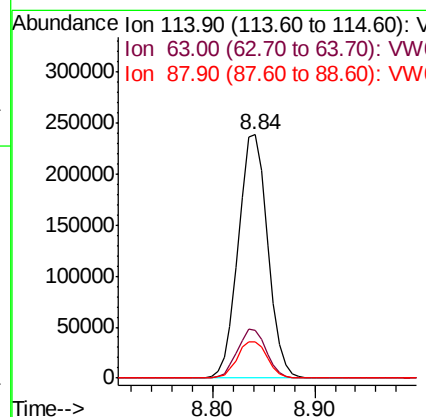
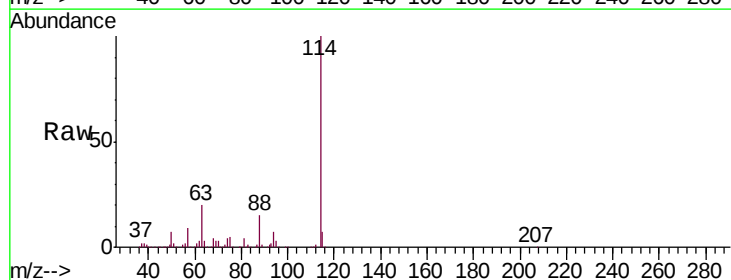
Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-4-2-1

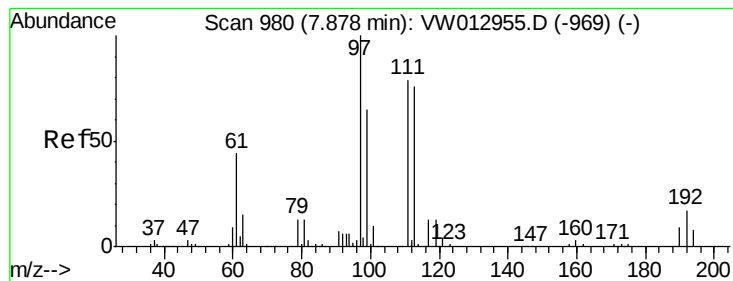
Tgt Ion: 65 Resp: 137789
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013165.D
 Acq: 19 Sep 2019 17:01

Tgt Ion: 114 Resp: 475920
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 43.4
 88 14.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.482 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013165.D

Acq: 19 Sep 2019 17:01

Instrument :

MSVOA_W

ClientSampleId :

CSA-4-2-1

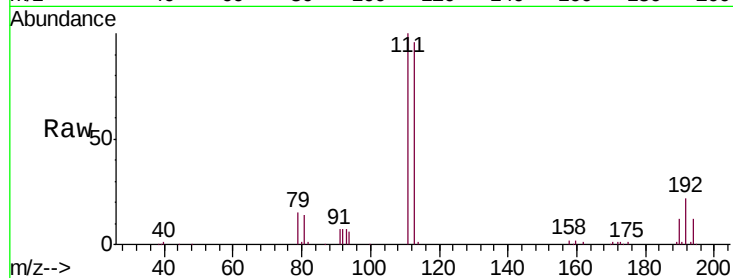
Tgt Ion:113 Resp: 132948

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

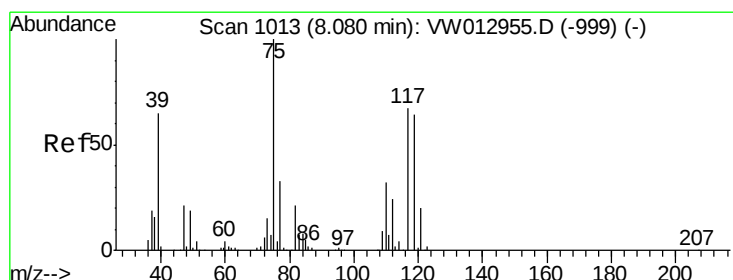
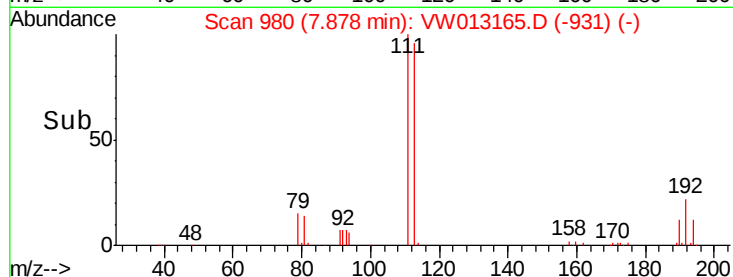
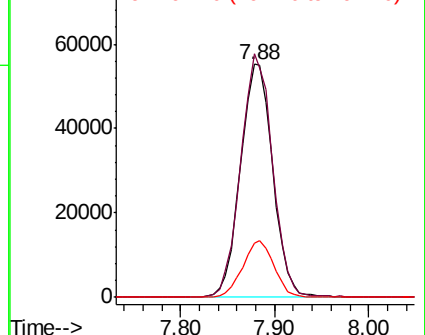
192 23.5 17.8 26.8



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: 5.423 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013165.D

Acq: 19 Sep 2019 17:01

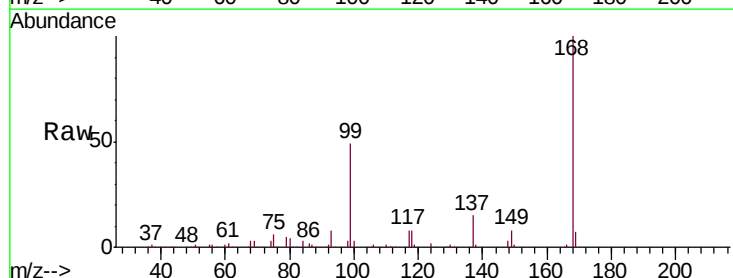
Tgt Ion: 75 Resp: 20624

Ion Ratio Lower Upper

75 100

110 9.0 16.4 49.1#

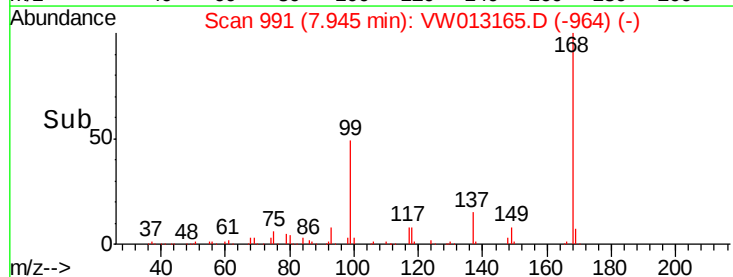
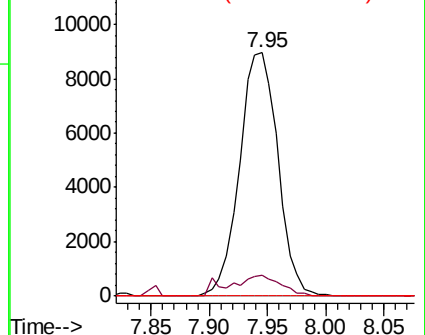
77 0.0 25.1 37.7#

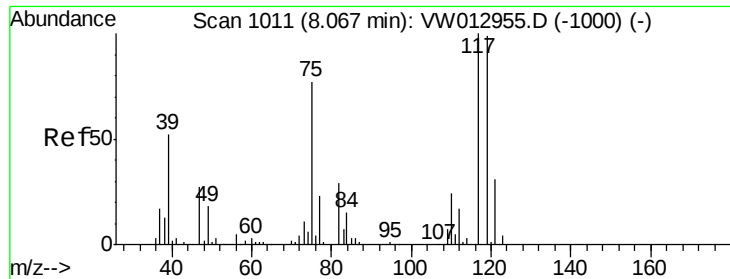


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.694 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013165.D

Acq: 19 Sep 2019 17:01

Instrument :

MSVOA_W

ClientSampled :

CSA-4-2-1

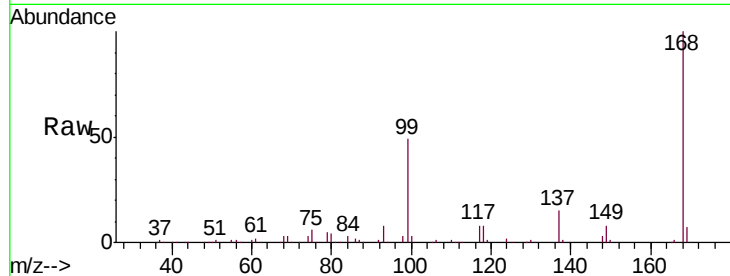
Tgt Ion: 117 Resp: 26089

Ion Ratio Lower Upper

117 100

119 6.5 79.4 119.0#

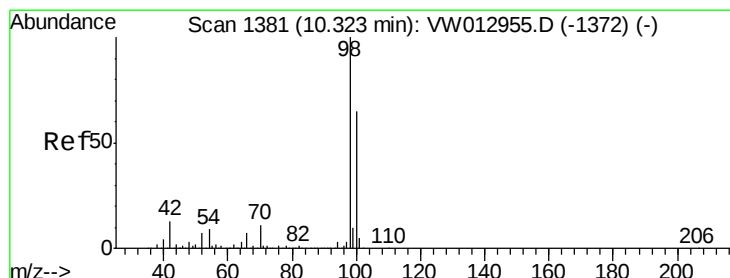
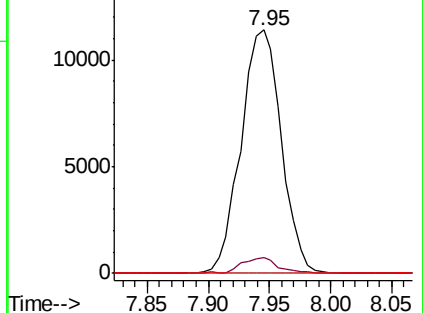
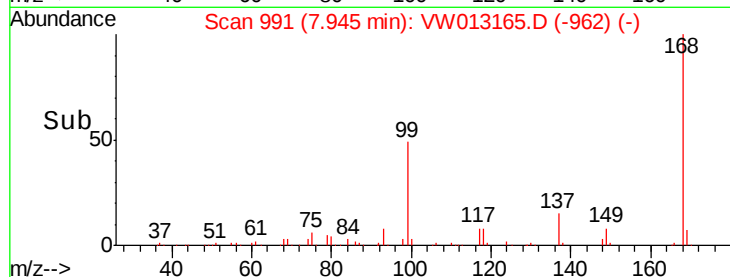
121 0.0 24.6 36.8#



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: 50.058 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013165.D

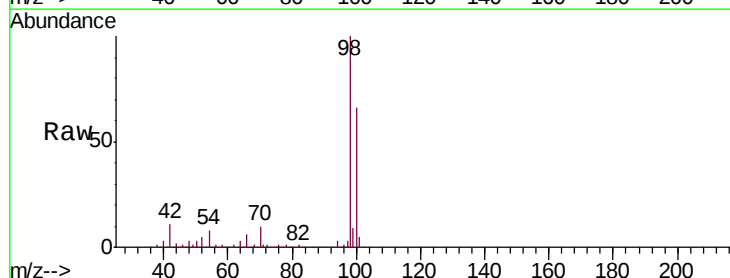
Acq: 19 Sep 2019 17:01

Tgt Ion: 98 Resp: 505851

Ion Ratio Lower Upper

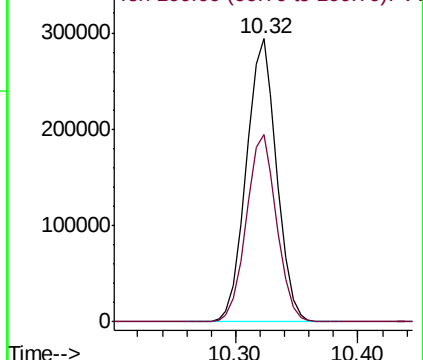
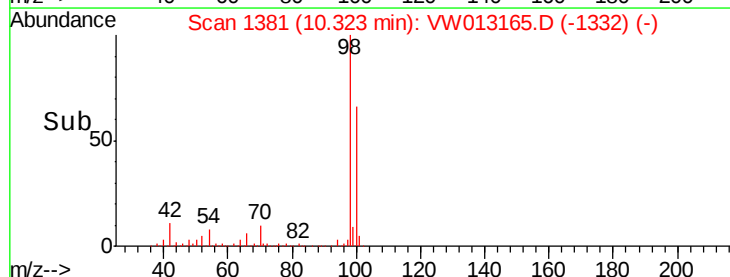
98 100

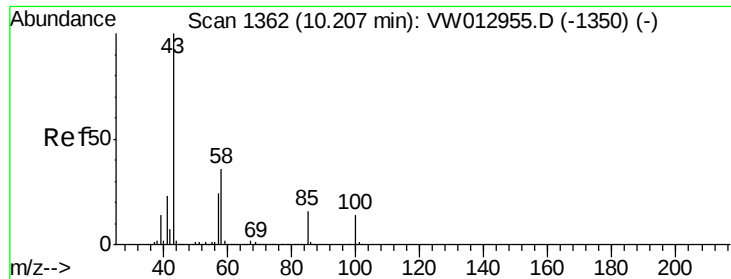
100 66.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

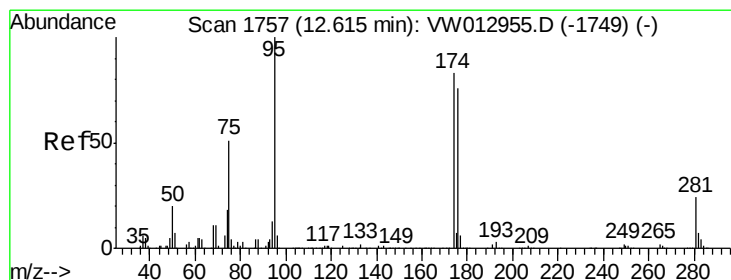
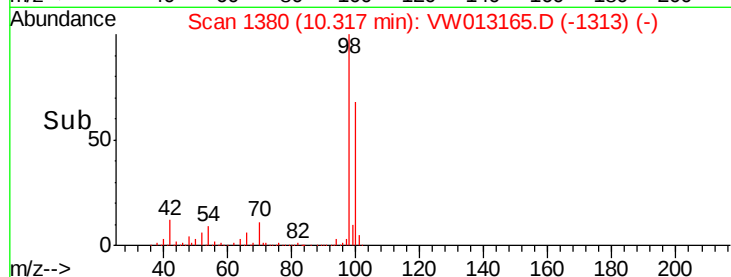
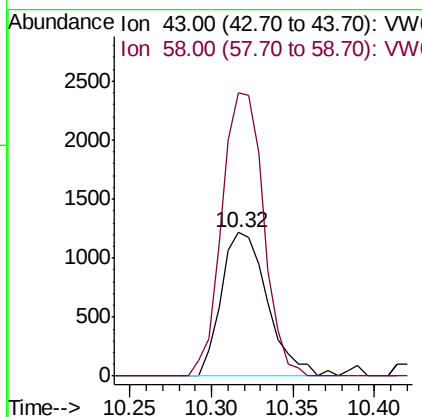
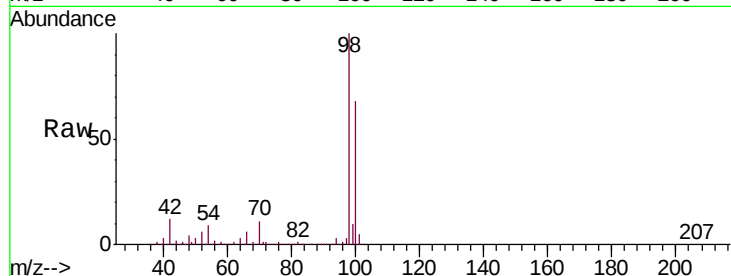




#51
 4-Methyl-2-Pentanone
 Concen: 1.201 ug/l
 RT: 10.32 min Scan# 1380
 Delta R.T. 0.11 min
 Lab File: VW013165.D
 Acq: 19 Sep 2019 17:01

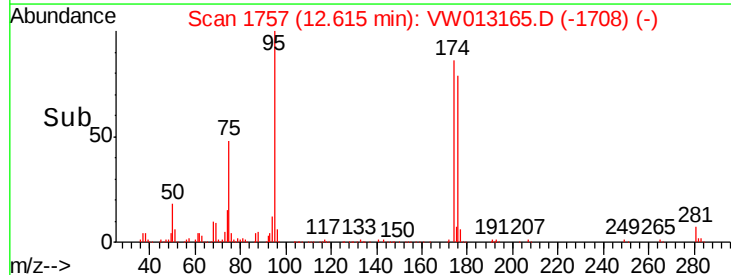
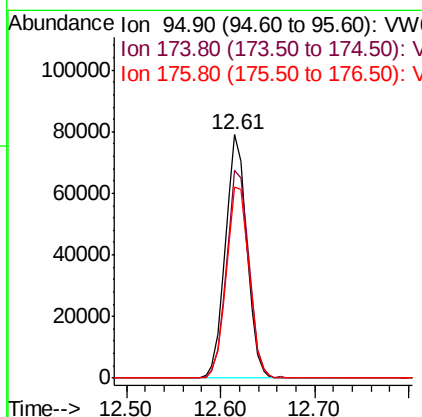
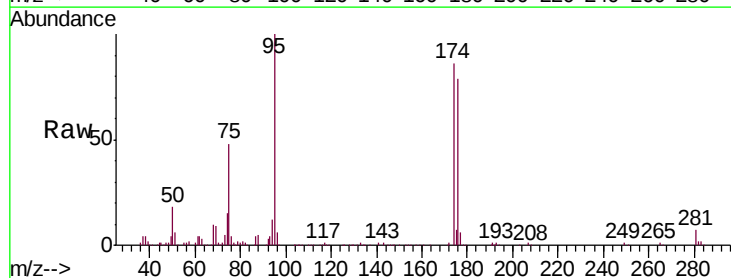
Instrument :
 MSVOA_W
 ClientSampled :
 CSA-4-2-1

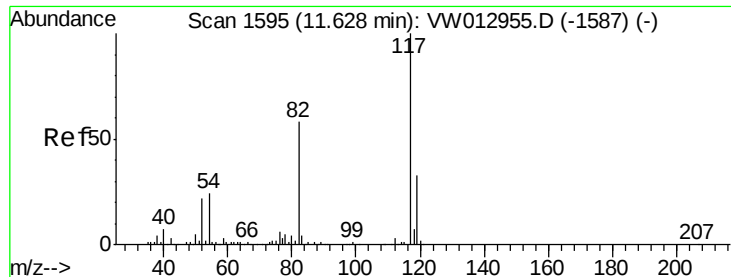
Tgt Ion: 43 Resp: 2404
 Ion Ratio Lower Upper
 43 100
 58 177.7 29.5 44.3#



#62
 4-Bromofluorobenzene
 Concen: 34.336 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013165.D
 Acq: 19 Sep 2019 17:01

Tgt Ion: 95 Resp: 124763
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 170.4
 176 83.7 0.0 164.6

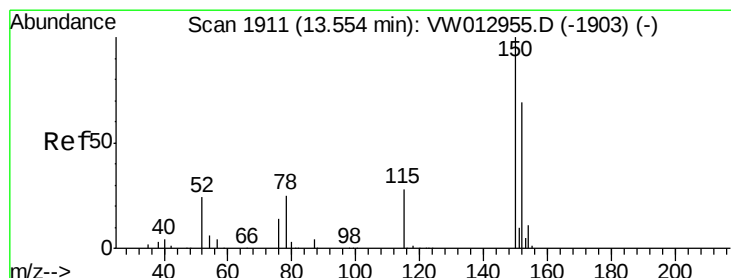
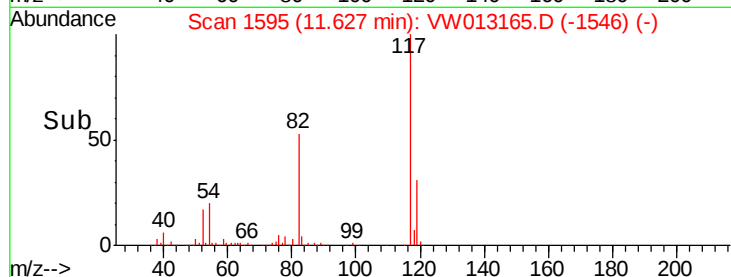
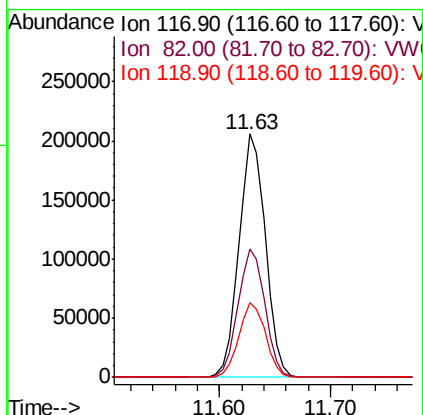
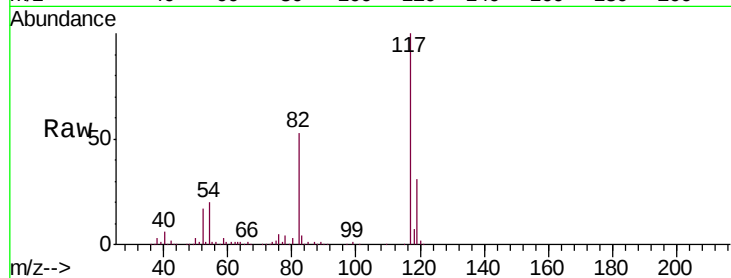




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013165.D
Acq: 19 Sep 2019 17:01

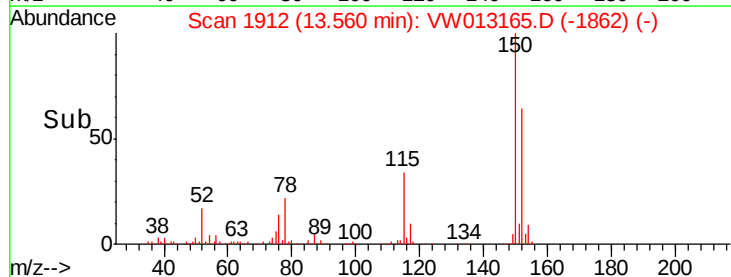
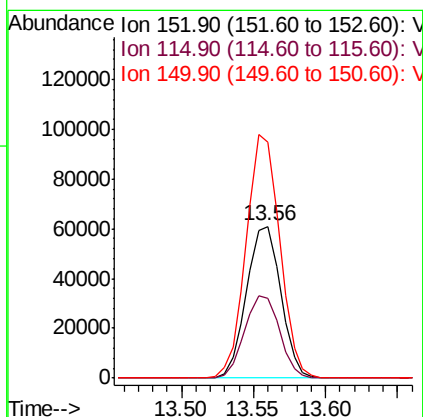
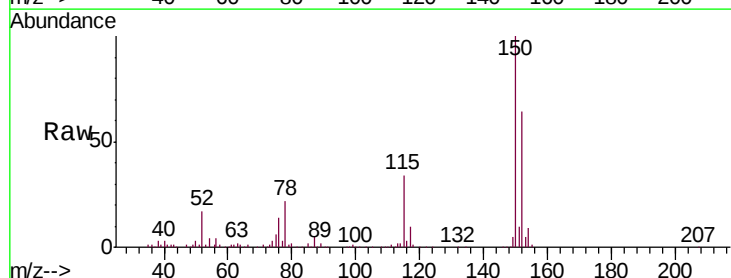
Instrument :
MSVOA_W
ClientSampled :
CSA-4-2-1

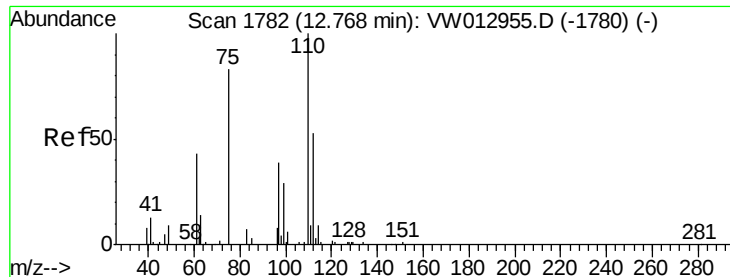
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	46.3	69.5
119	30.5	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013165.D
Acq: 19 Sep 2019 17:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.8	86.4
150	157.6	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 67.969 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013165.D

Acq: 19 Sep 2019 17:01

Instrument :

MSVOA_W

ClientSampled :

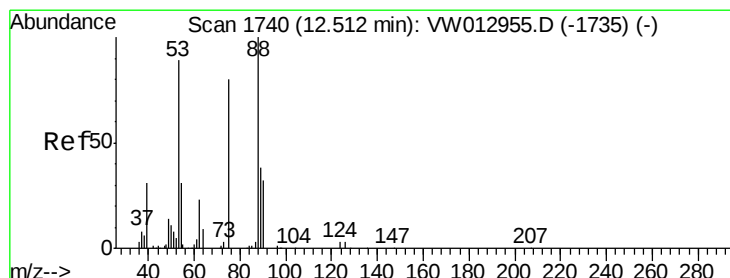
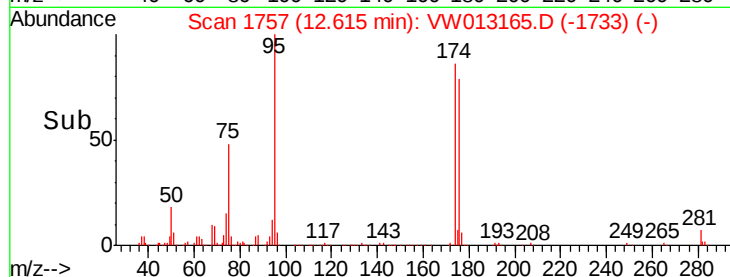
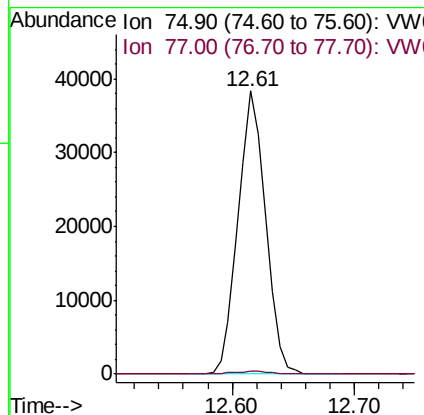
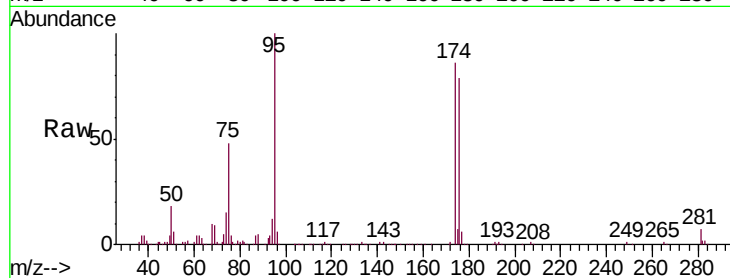
CSA-4-2-1

Tgt Ion: 75 Resp: 59749

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.186 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013165.D

Acq: 19 Sep 2019 17:01

Tgt Ion: 75 Resp: 59749

Ion Ratio Lower Upper

75 100

53 0.1 85.6 128.4#

89 0.1 37.2 55.8#

