

Data File : VW013157.D
Acq On : 19 Sep 2019 13:34
Operator : SY/VA
Sample : K4825-13
Misc : 5.25G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CSA-4-3-1

Quant Time: Sep 20 07:44:44 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	293305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	452574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	78901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136369	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	7.88	113	131122	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
50) Toluene-d8	10.32	98	468953	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
62) 4-Bromofluorobenzene	12.62	95	107445	31.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.20%	

Target Compounds

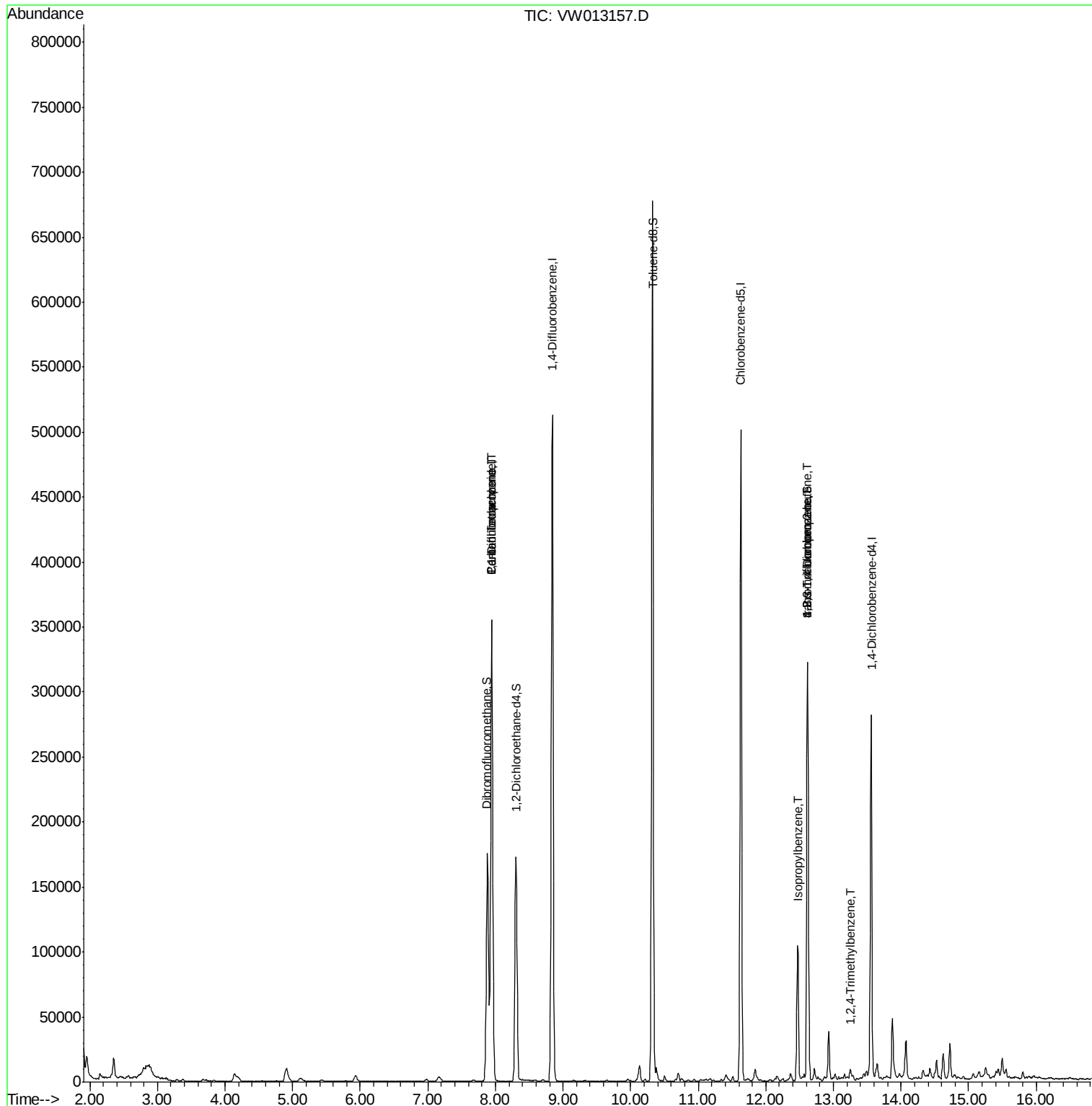
						Qvalue
3) Chloromethane	2.21	50	412	Below Cal	#	72
11) Tert butyl alcohol	5.13	59	2659	Below Cal	#	72
13) Acrolein	3.86	56	28	Below Cal	#	1
20) Methylene Chloride	4.90	84	7952	Below Cal		91
26) 2,2-Dichloropropane	7.14	77	94	Below Cal	#	55
31) Cyclohexane	7.95	56	4667	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	20180	5.580	ug/l #	50
38) Carbon Tetrachloride	7.95	117	25838	6.972	ug/l #	14
73) Isopropylbenzene	12.48	105	5442	1.041	ug/l #	66
76) 1,2,3-Trichloropropane	12.62	75	51352	74.304	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51352	168.556	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.25	105	4815	1.101	ug/l	99

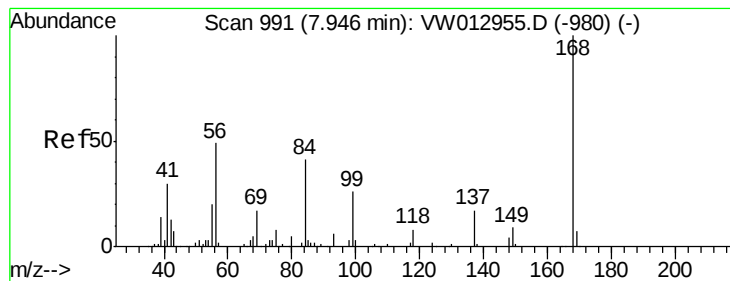
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013157.D

Acq: 19 Sep 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

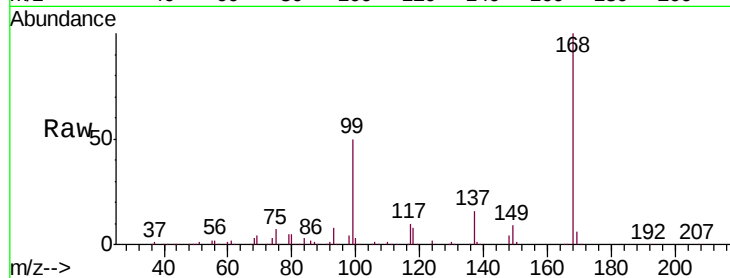
CSA-4-3-1

Tgt Ion:168 Resp: 293305

Ion Ratio Lower Upper

168 100

99 50.2 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

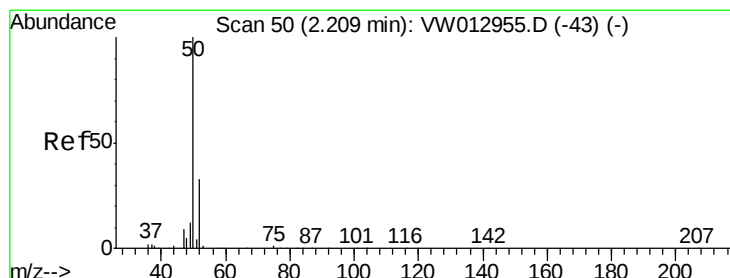
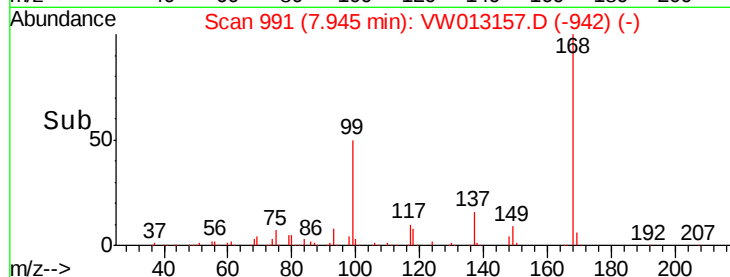
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013157.D

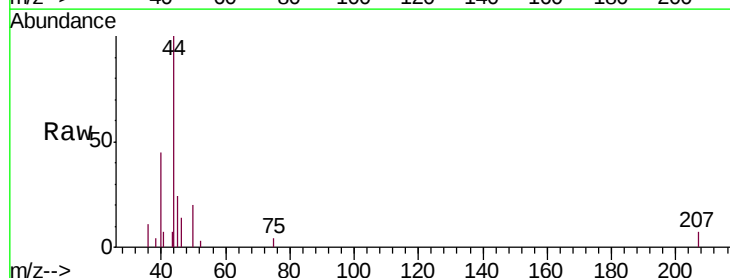
Acq: 19 Sep 2019 13:34

Tgt Ion: 50 Resp: 412

Ion Ratio Lower Upper

50 100

52 17.2 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

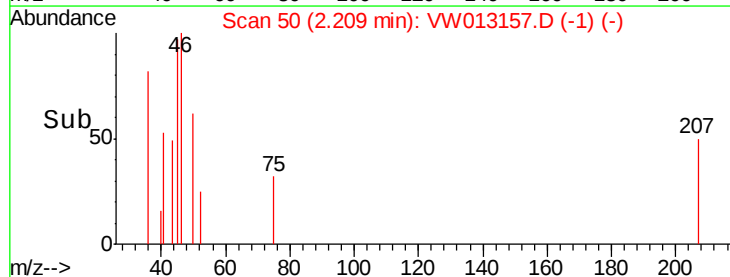
300

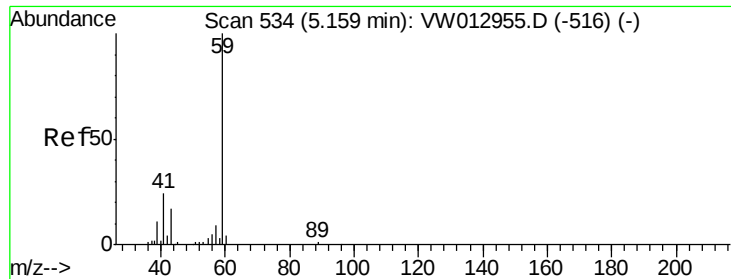
200

100

0

Time--> 2.16 2.18 2.20 2.22 2.24

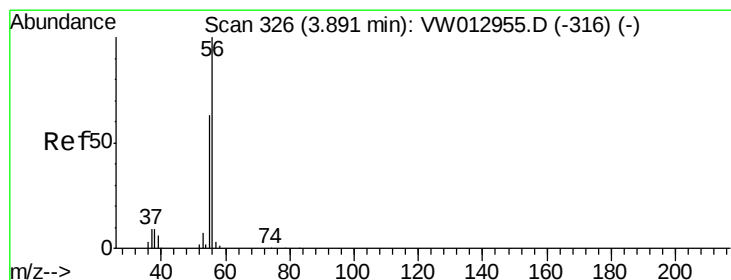
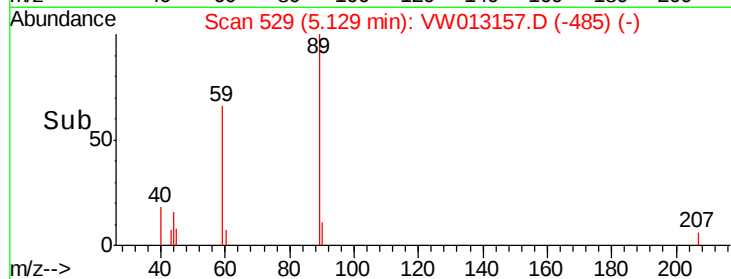
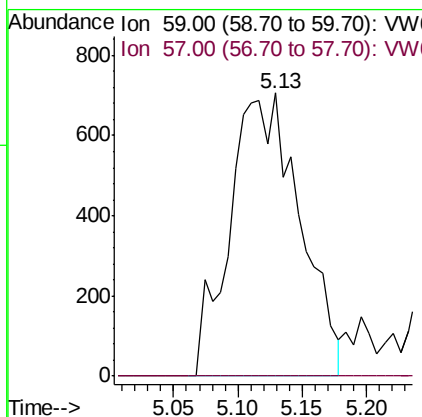
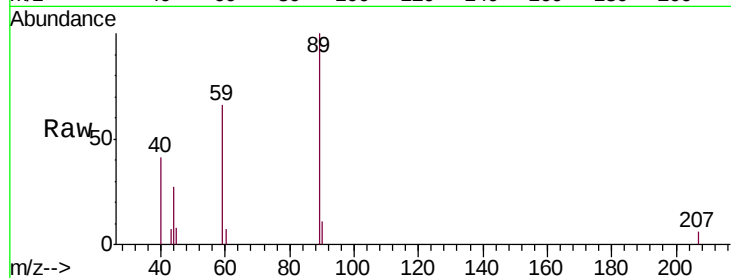




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.13 min Scan# 529
Delta R.T. -0.03 min
Lab File: VW013157.D
Acq: 19 Sep 2019 13:34

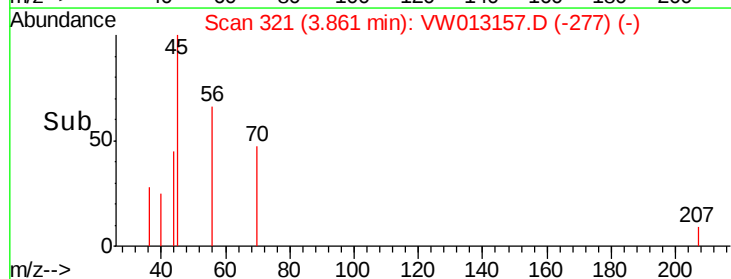
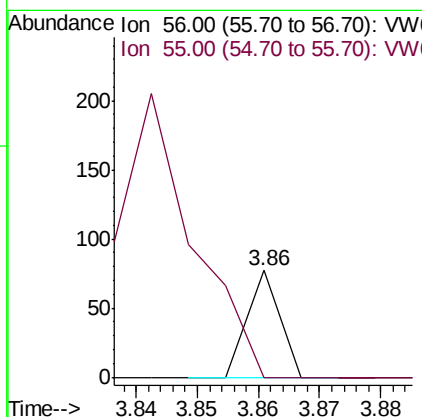
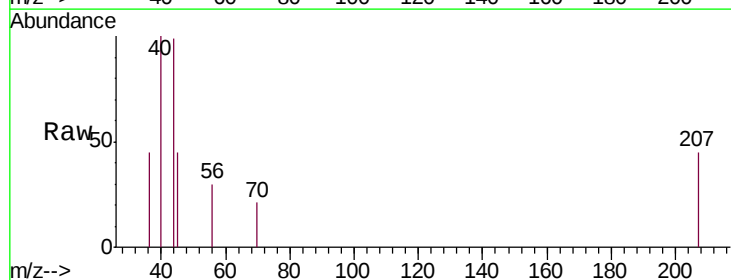
Instrument :
MSVOA_W
ClientSampleId :
CSA-4-3-1

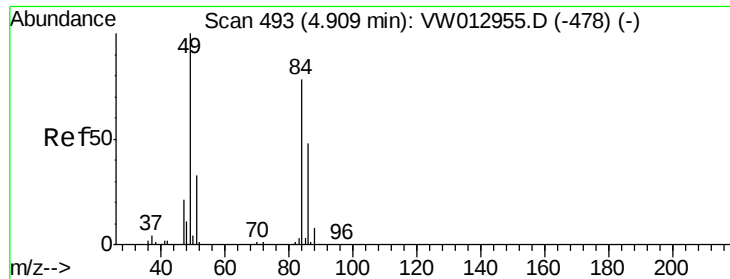
Tgt Ion: 59 Resp: 2659
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: Below Cal
RT: 3.86 min Scan# 321
Delta R.T. -0.03 min
Lab File: VW013157.D
Acq: 19 Sep 2019 13:34

Tgt Ion: 56 Resp: 28
Ion Ratio Lower Upper
56 100
55 725.0 55.8 83.8#

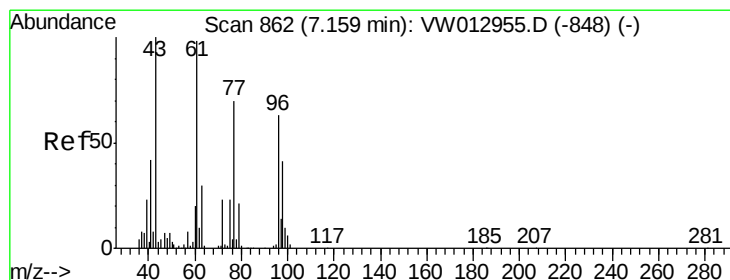
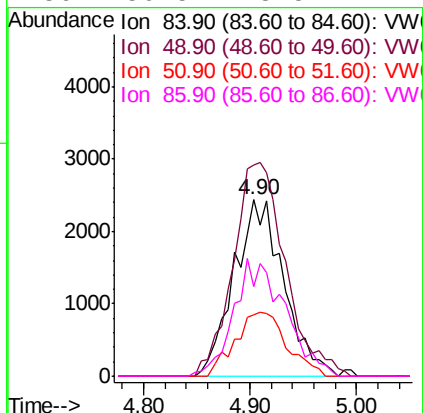
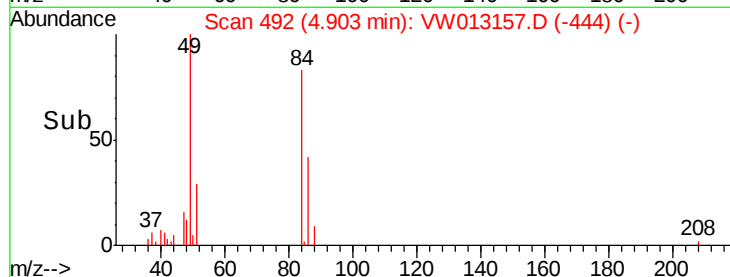
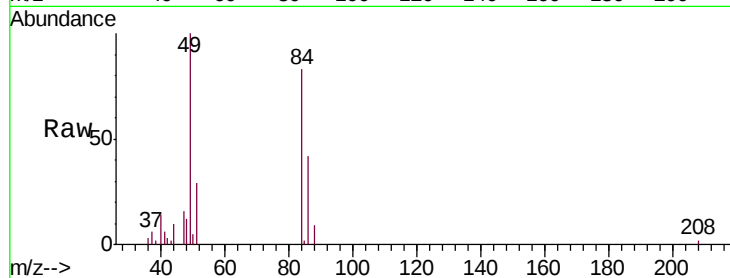




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013157.D
Acq: 19 Sep 2019 13:34

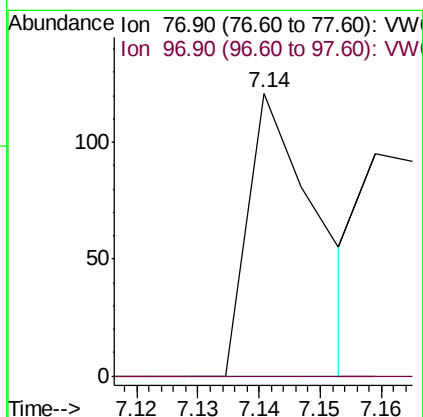
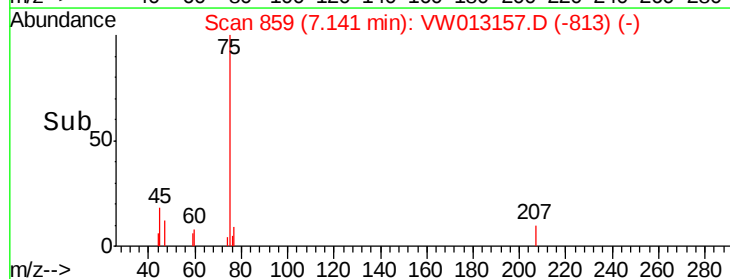
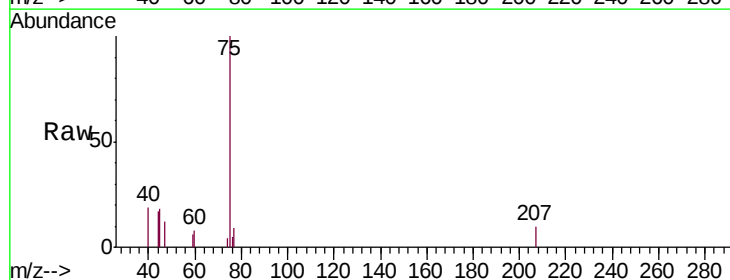
Instrument :
MSVOA_W
ClientSampleId :
CSA-4-3-1

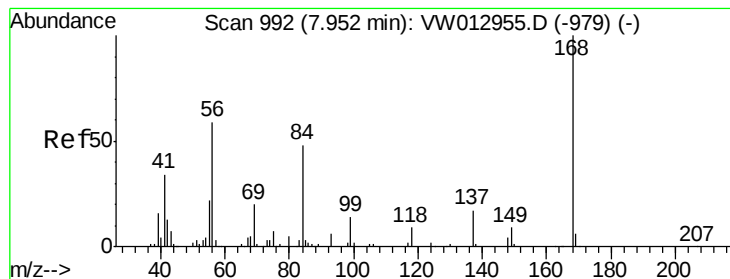
Tgt Ion:	84	Resp:	7952
Ion	Ratio	Lower	Upper
84	100		
49	120.2	102.0	153.0
51	34.6	34.0	51.0
86	50.5	48.5	72.7



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013157.D
Acq: 19 Sep 2019 13:34

Tgt Ion:	77	Resp:	94
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: VW013157.D

Acq: 19 Sep 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

CSA-4-3-1

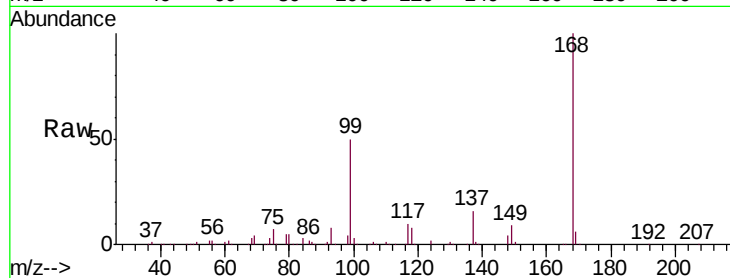
Tgt Ion: 56 Resp: 4667

Ion Ratio Lower Upper

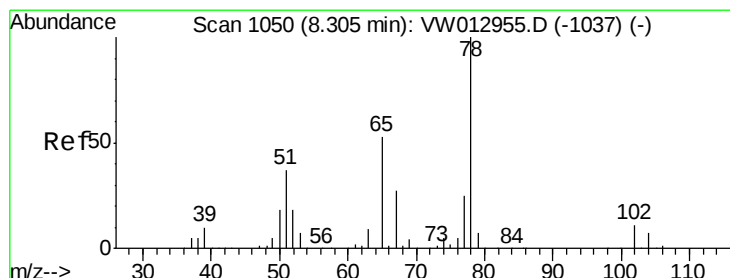
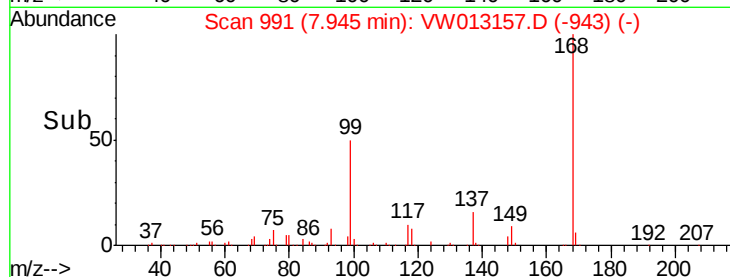
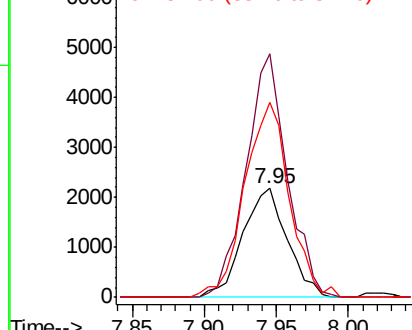
56 100

69 223.2 27.0 40.6#

84 179.1 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: 50.341 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013157.D

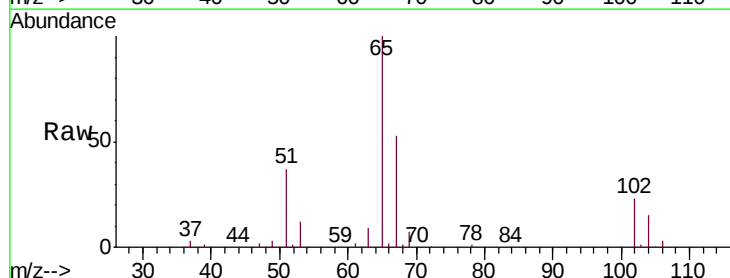
Acq: 19 Sep 2019 13:34

Tgt Ion: 65 Resp: 136369

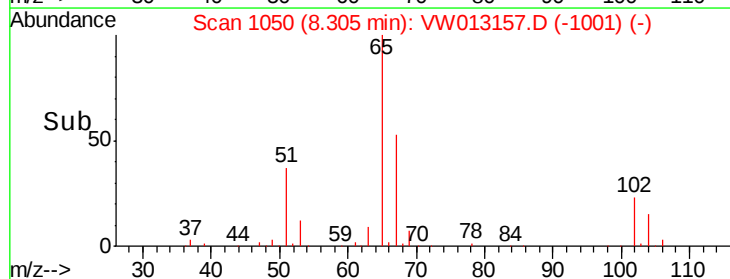
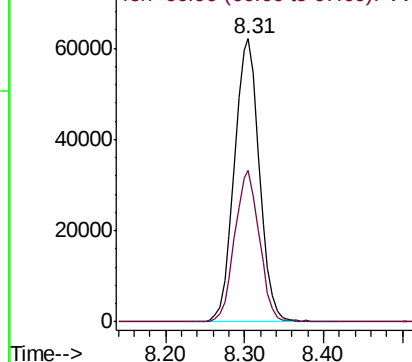
Ion Ratio Lower Upper

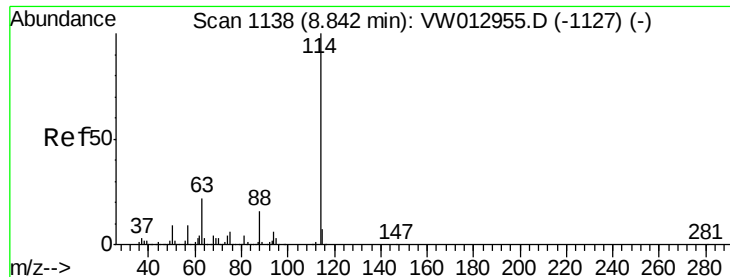
65 100

67 52.7 0.0 101.2



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

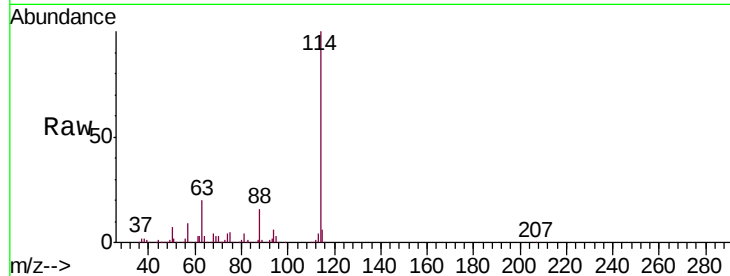




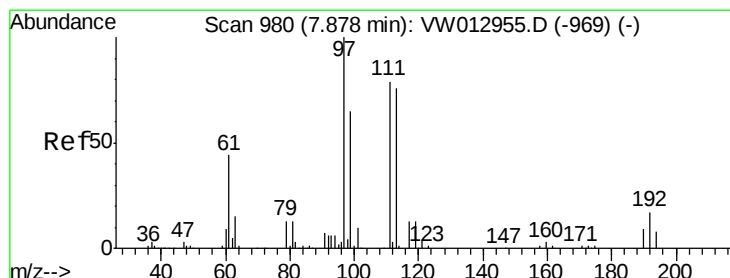
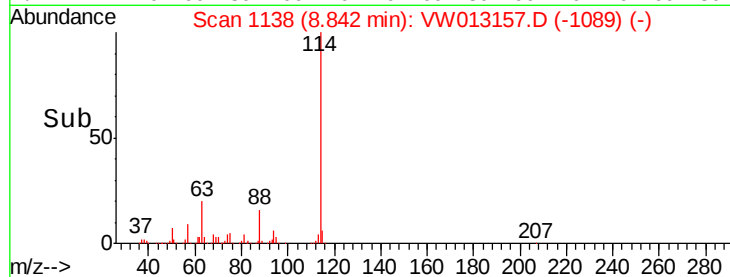
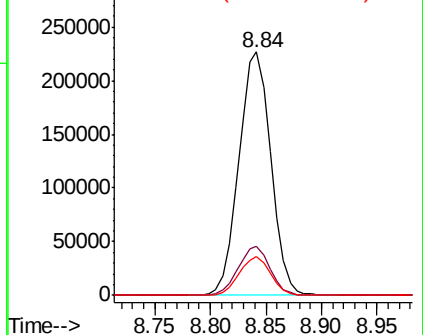
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013157.D
 Acq: 19 Sep 2019 13:34

Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-4-3-1

Tgt Ion:114 Resp: 452574
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 43.4
 88 16.1 0.0 31.6

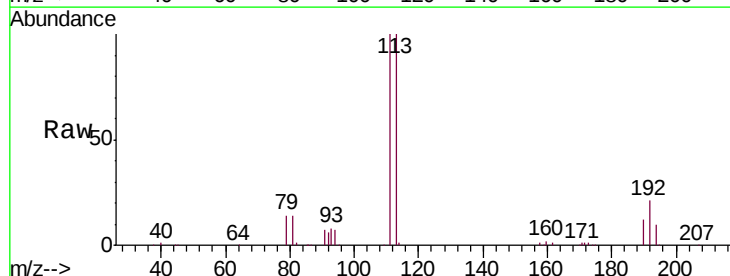


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

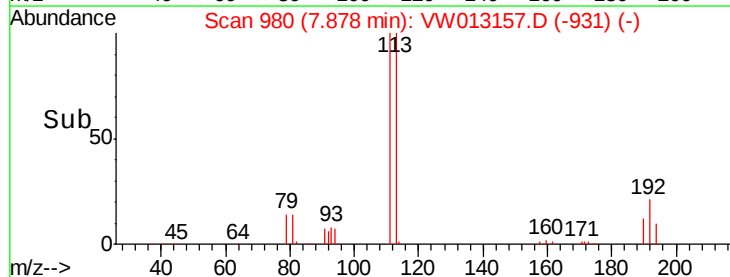
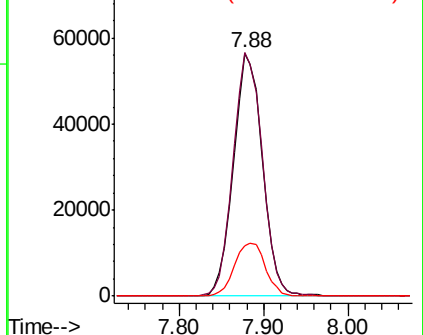


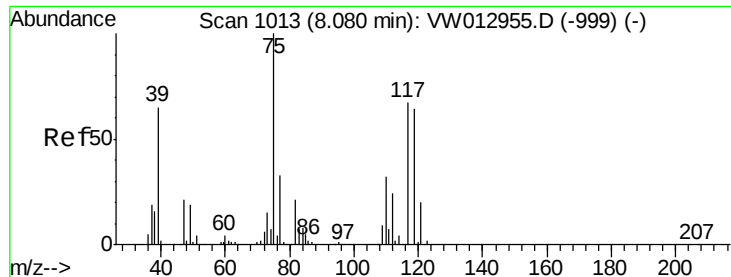
#35
 Dibromofluoromethane
 Concen: 53.395 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013157.D
 Acq: 19 Sep 2019 13:34

Tgt Ion:113 Resp: 131122
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.8 124.2
 192 23.2 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

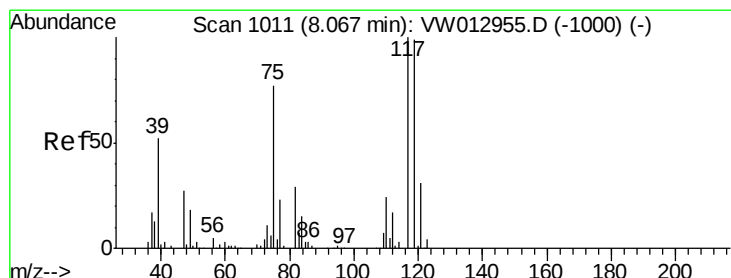
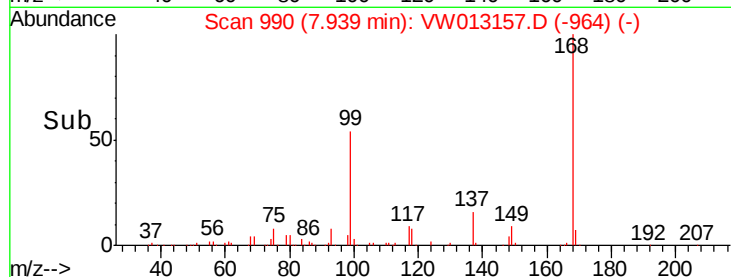
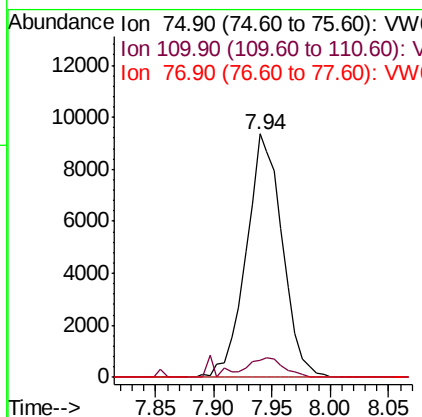
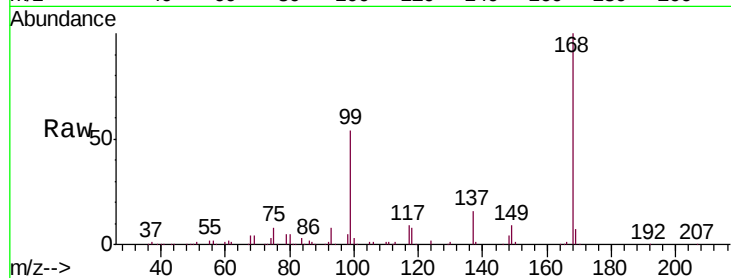




#36
 1,1-Dichloropropene
 Concen: 5.580 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013157.D
 Acq: 19 Sep 2019 13:34

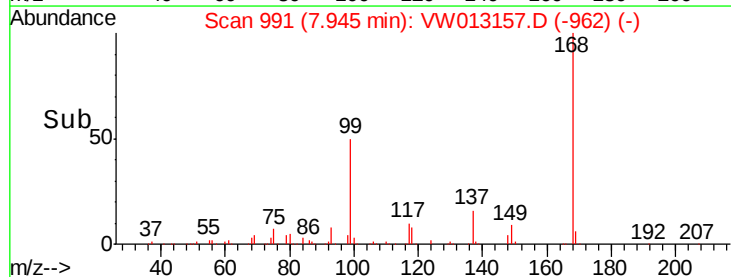
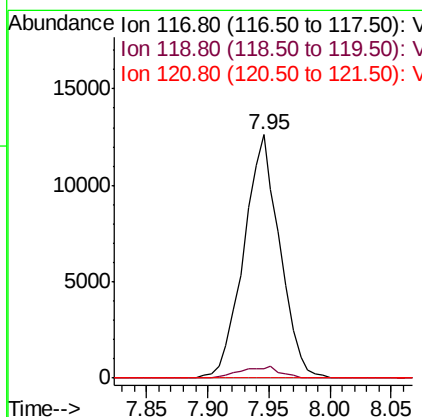
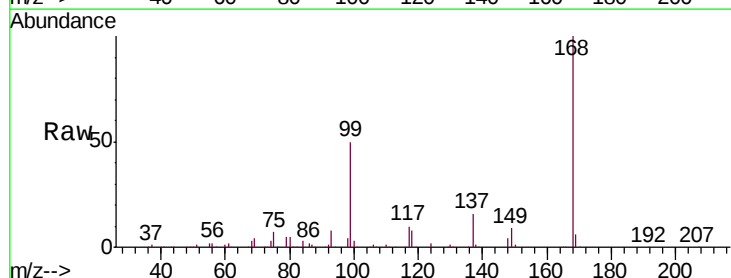
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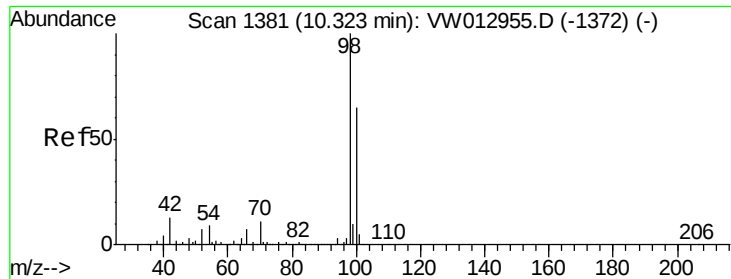
Tgt Ion: 75 Resp: 20180
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.972 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013157.D
 Acq: 19 Sep 2019 13:34

Tgt Ion: 117 Resp: 25838
 Ion Ratio Lower Upper
 117 100
 119 4.1 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 48.801 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013157.D

Acq: 19 Sep 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

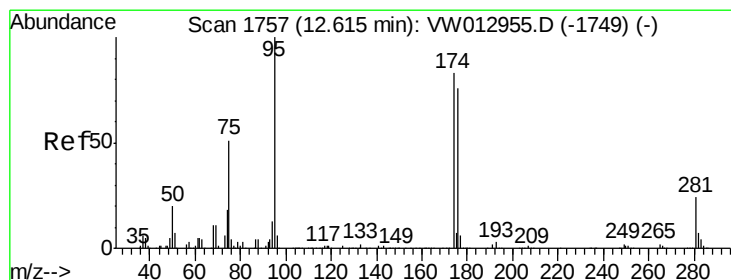
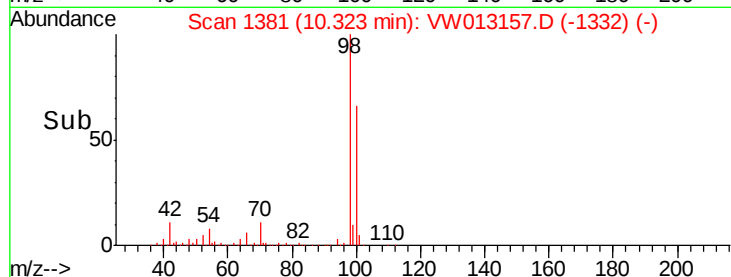
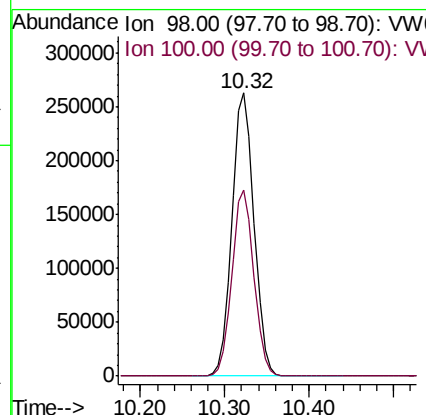
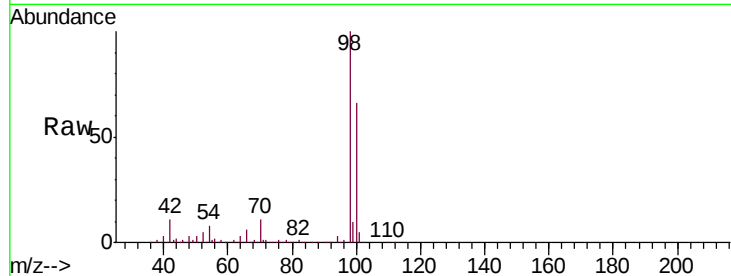
CSA-4-3-1

Tgt Ion: 98 Resp: 468953

Ion Ratio Lower Upper

98 100

100 65.3 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 31.095 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013157.D

Acq: 19 Sep 2019 13:34

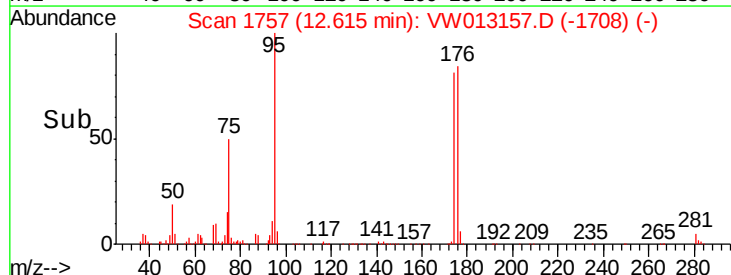
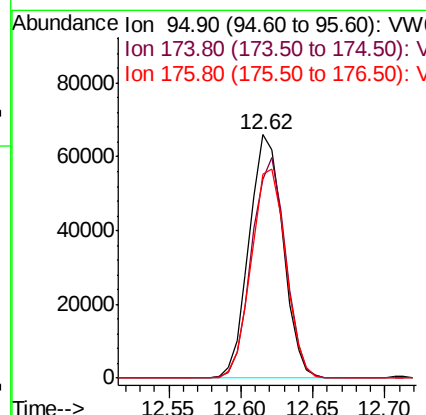
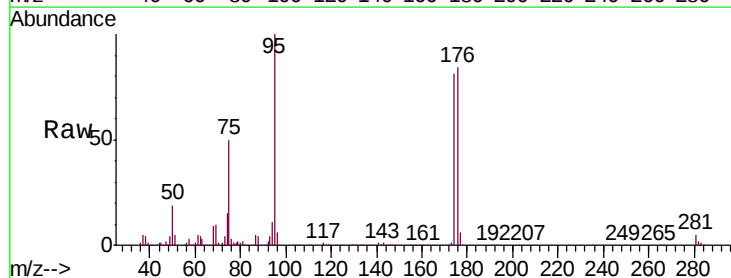
Tgt Ion: 95 Resp: 107445

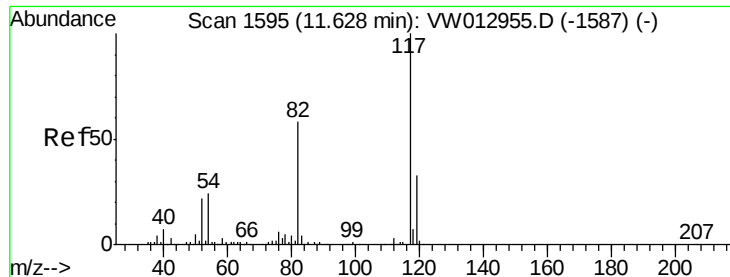
Ion Ratio Lower Upper

95 100

174 89.8 0.0 170.4

176 87.5 0.0 164.6

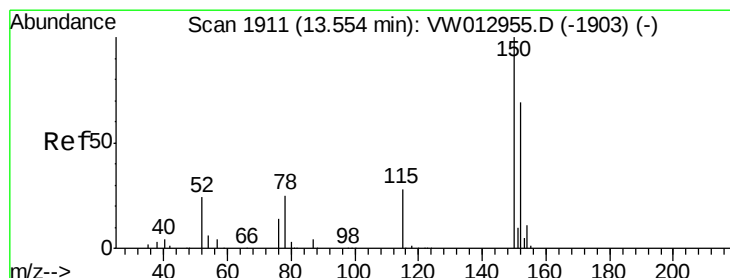
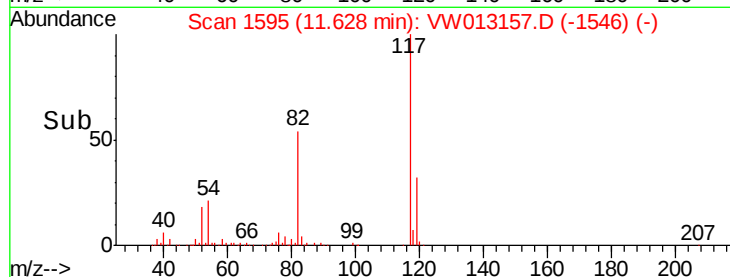
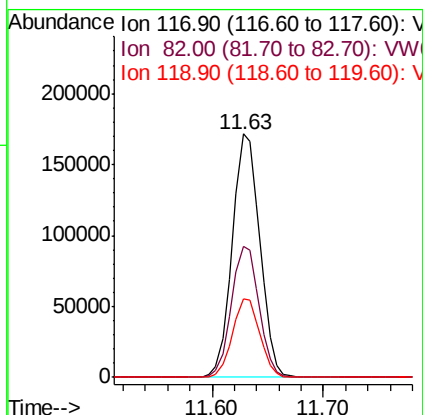
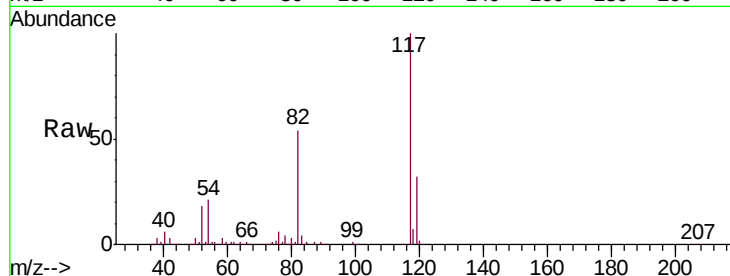




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013157.D
Acq: 19 Sep 2019 13:34

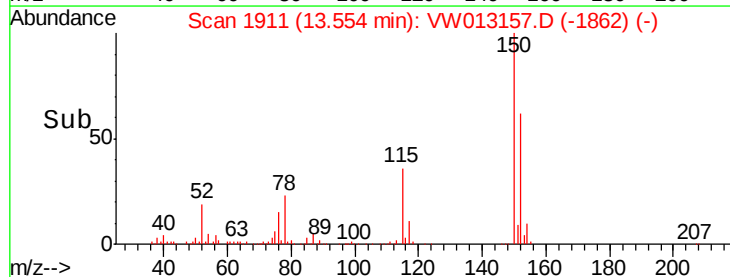
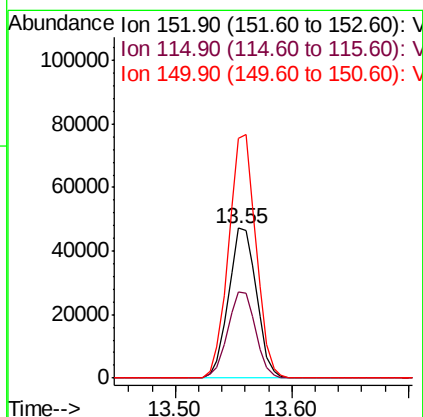
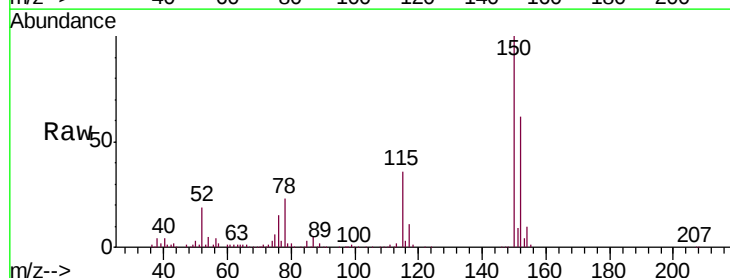
Instrument :
MSVOA_W
ClientSampleId :
CSA-4-3-1

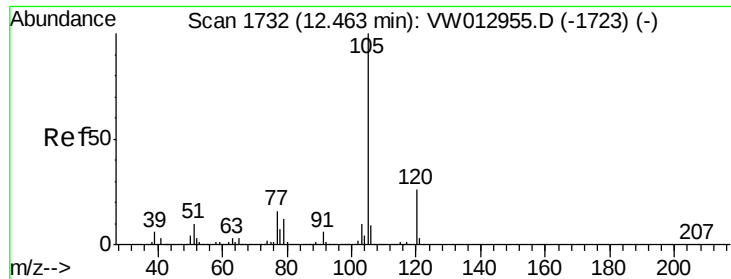
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.9	46.3	69.5
119	32.4	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013157.D
Acq: 19 Sep 2019 13:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.8	86.4
150	159.0	0.0	340.2





#73

Isopropylbenzene

Concen: 1.041 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW013157.D

Acq: 19 Sep 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

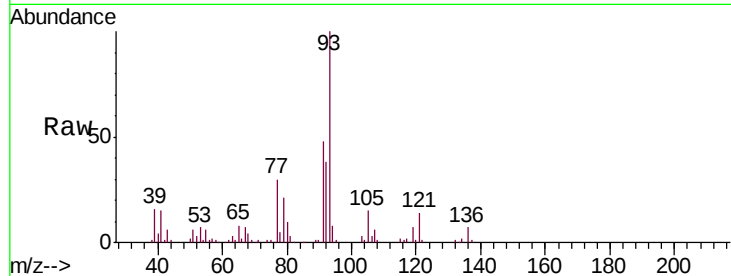
CSA-4-3-1

Tgt Ion:105 Resp: 5442

Ion Ratio Lower Upper

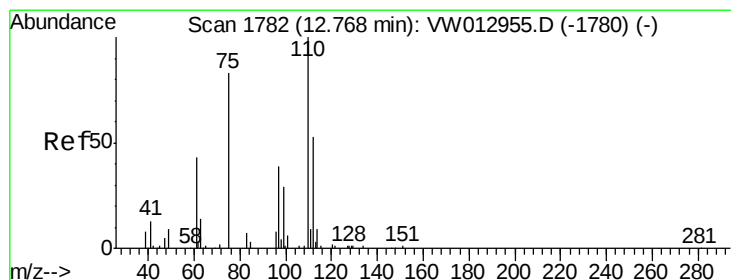
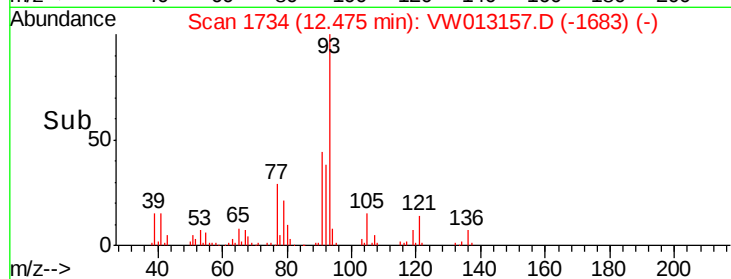
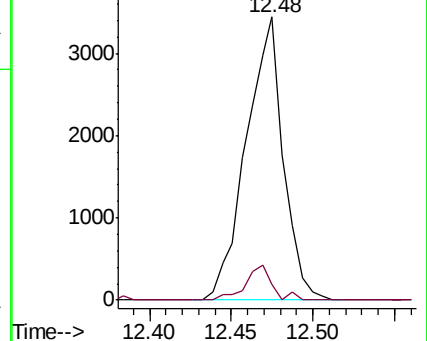
105 100

120 8.7 13.0 39.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 74.304 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013157.D

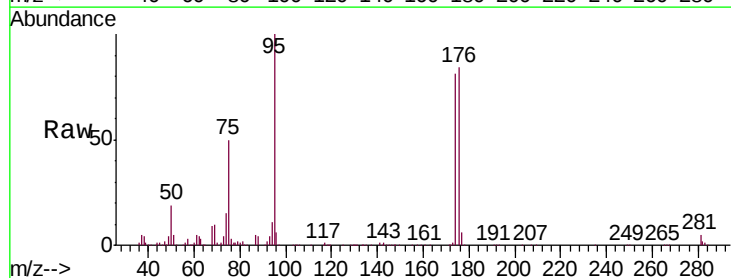
Acq: 19 Sep 2019 13:34

Tgt Ion: 75 Resp: 51352

Ion Ratio Lower Upper

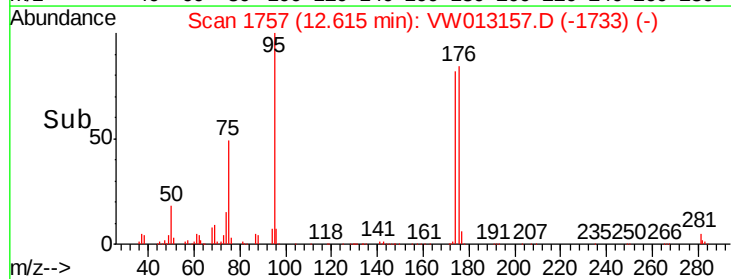
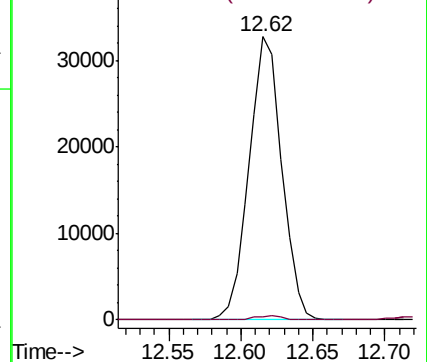
75 100

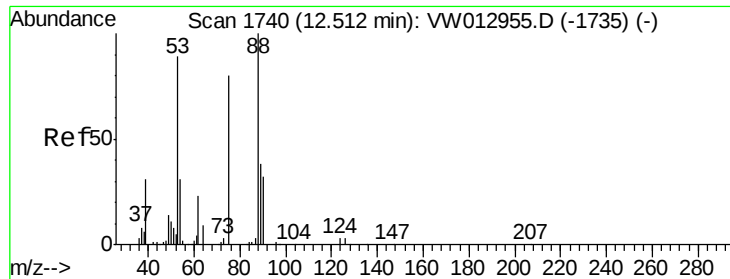
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

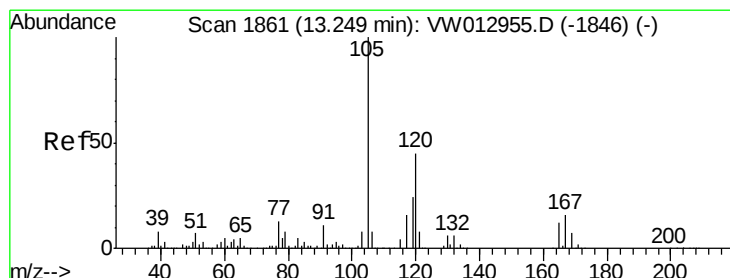
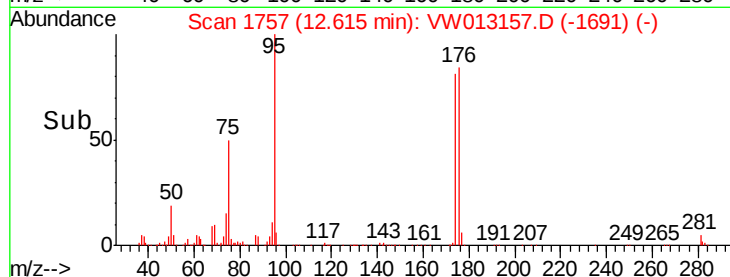
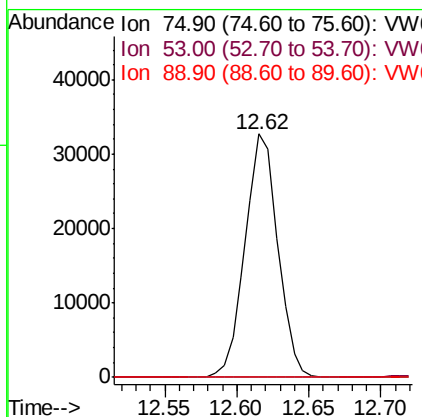
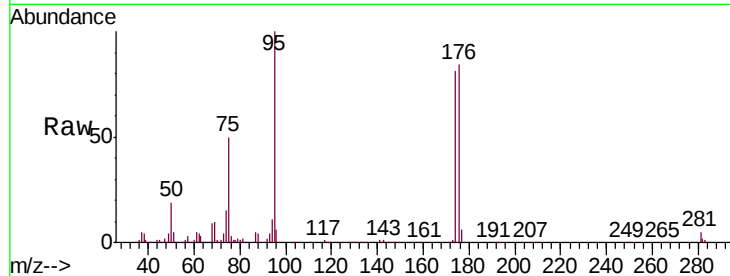




#81
 trans-1,4-Dichloro-2-butene
 Concen: 168.556 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013157.D
 Acq: 19 Sep 2019 13:34

Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-4-3-1

Tgt Ion: 75 Resp: 51352
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.6 128.4#
 89 0.0 37.2 55.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.101 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013157.D
 Acq: 19 Sep 2019 13:34

Tgt Ion: 105 Resp: 4815
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.9 65.7

