

Data File : VW013167.D
Acq On : 19 Sep 2019 17:52
Operator : SY/VA
Sample : K4877-05
Misc : 6.73G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Sep 20 07:47:56 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	255335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	235871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	49083	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	107167	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
35) Dibromofluoromethane	7.88	113	108801	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
50) Toluene-d8	10.32	98	406031	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	12.62	95	74443	26.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.98%	

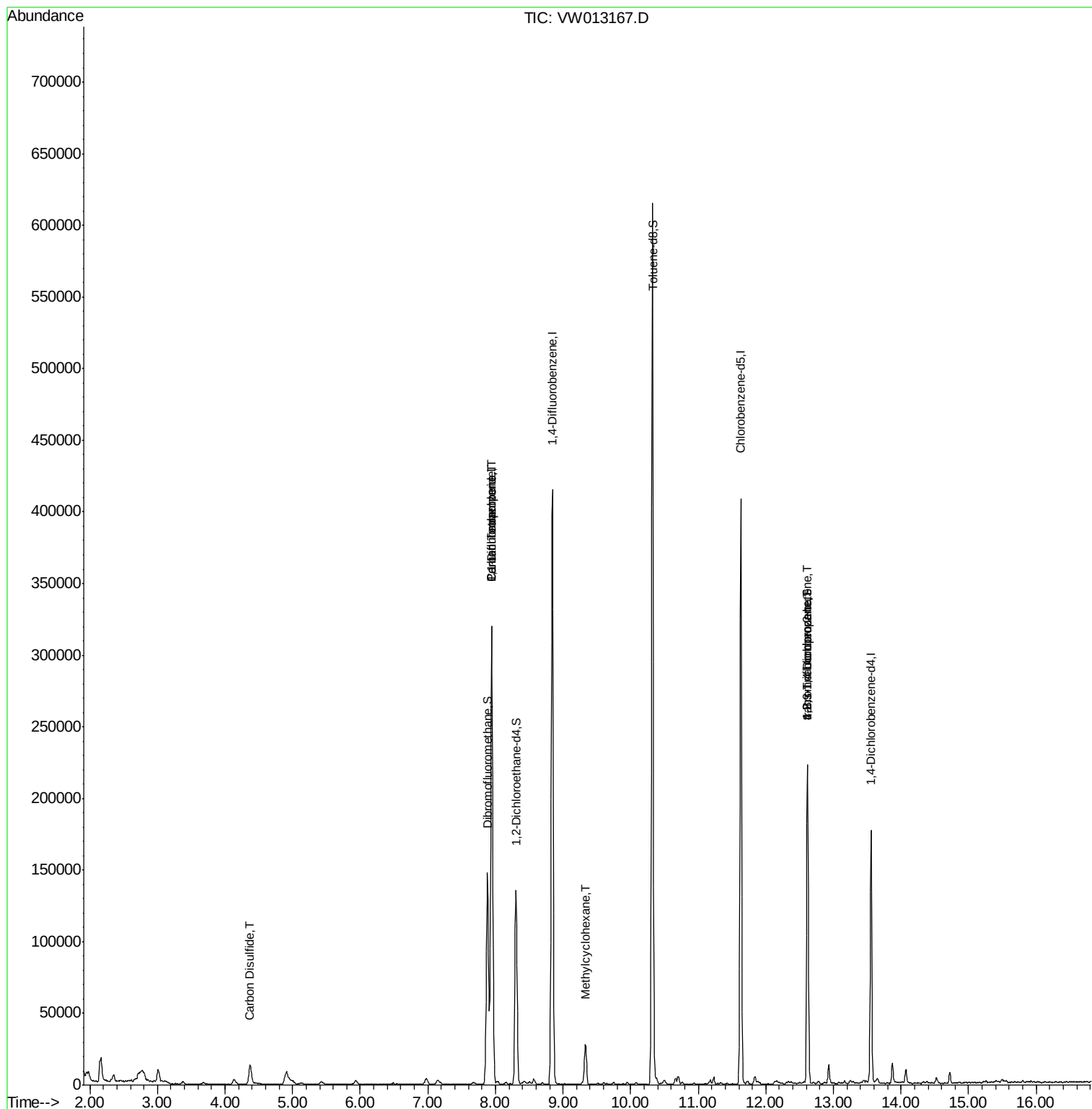
Target Compounds			Qvalue			
3) Chloromethane	2.21	50	220	Below Cal	#	81
11) Tert butyl alcohol	5.15	59	361	Below Cal	#	72
16) Acetone	4.13	43	7465	Below Cal		93
17) Carbon Disulfide	4.37	76	30083	8.565	ug/l	97
20) Methylene Chloride	4.90	84	5510	Below Cal	#	84
26) 2,2-Dichloropropane	7.15	77	76	Below Cal	#	55
31) Cyclohexane	7.94	56	9242	Below Cal	#	23
36) 1,1-Dichloropropene	7.95	75	17159	5.944	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22406	7.574	ug/l #	15
39) Methylcyclohexane	9.34	83	11804	3.732	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	34555	80.374	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	34555	182.327	ug/l #	7

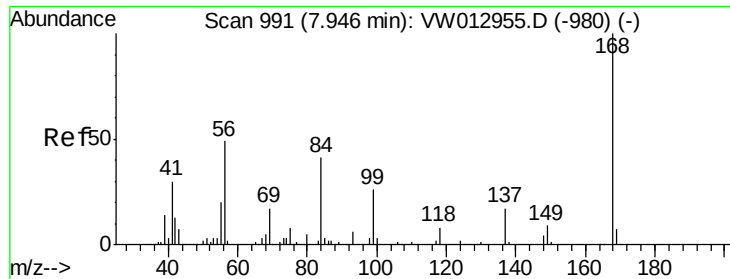
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013167.D

Acq: 19 Sep 2019 17:52

Instrument :

MSVOA_W

ClientSampled :

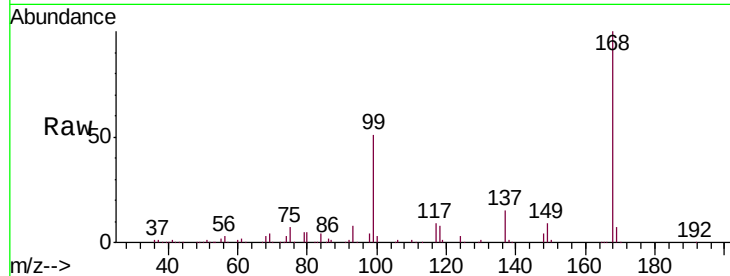
CSA-2-2-3

Tgt Ion: 168 Resp: 255335

Ion Ratio Lower Upper

168 100

99 50.7 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

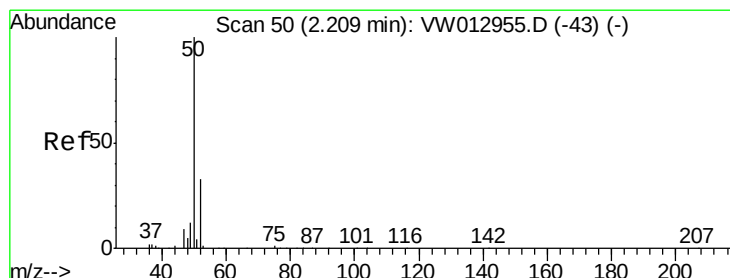
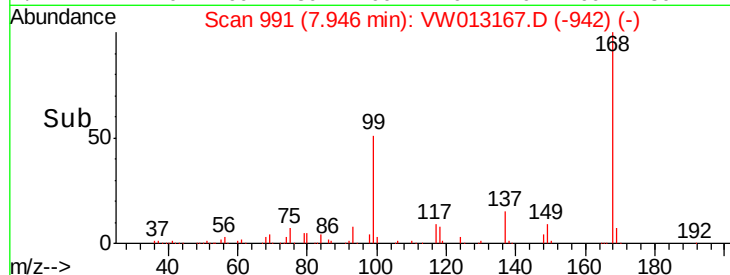
7.95

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013167.D

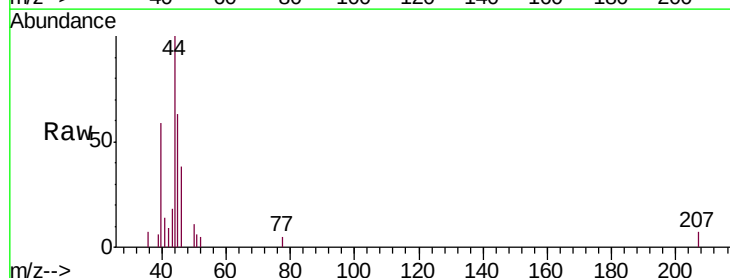
Acq: 19 Sep 2019 17:52

Tgt Ion: 50 Resp: 220

Ion Ratio Lower Upper

50 100

52 43.8 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

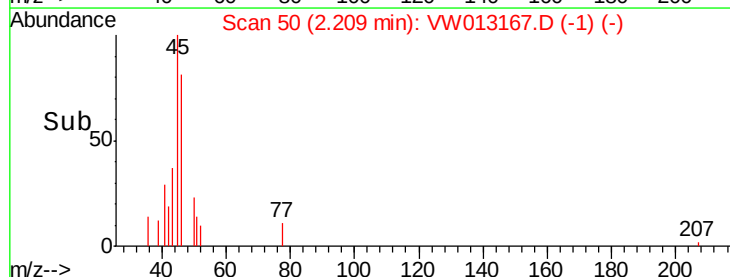
150

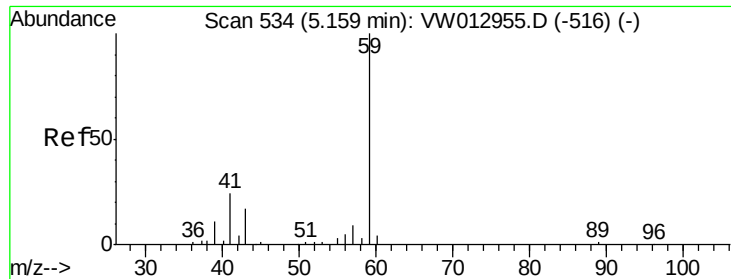
100

50

0

Time-->

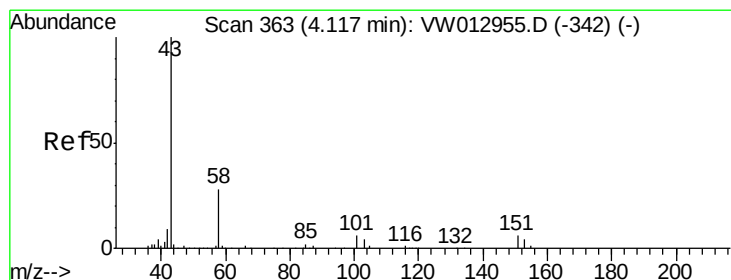
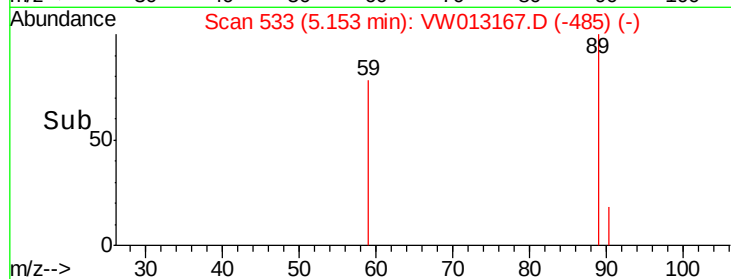
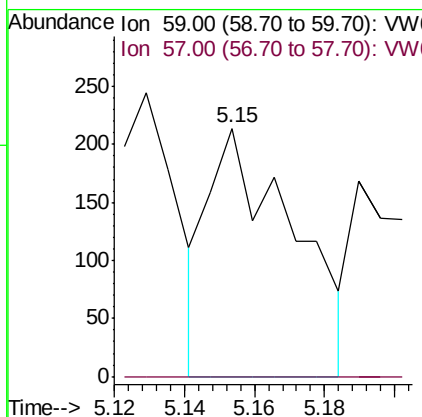
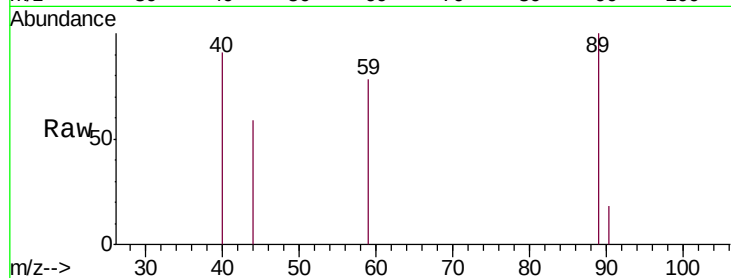




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW013167.D
Acq: 19 Sep 2019 17:52

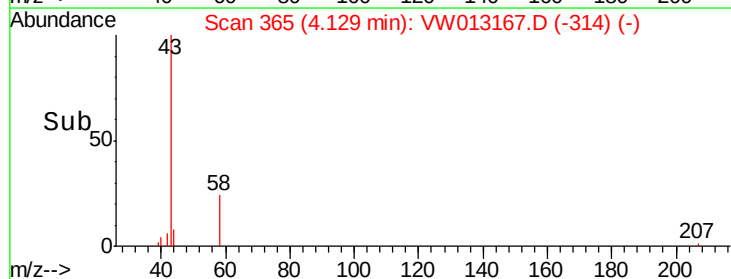
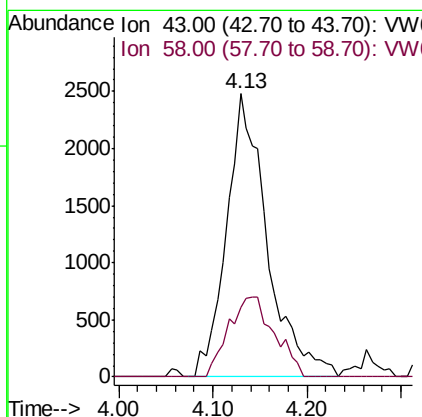
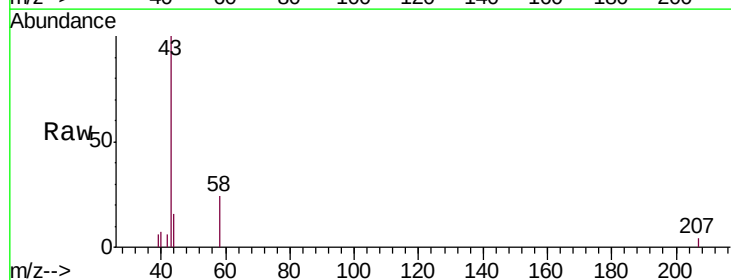
Instrument :
MSVOA_W
ClientSampled :
CSA-2-2-3

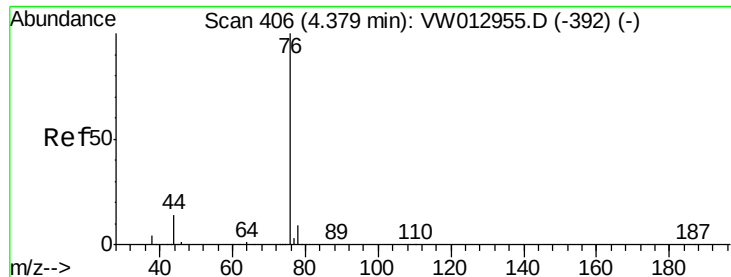
Tgt Ion: 59 Resp: 361
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: Below Cal
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW013167.D
Acq: 19 Sep 2019 17:52

Tgt Ion: 43 Resp: 7465
Ion Ratio Lower Upper
43 100
58 24.4 22.3 33.5

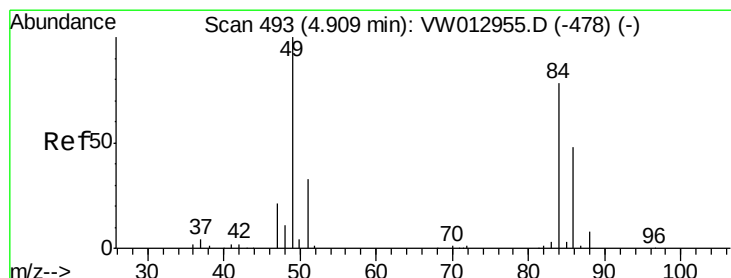
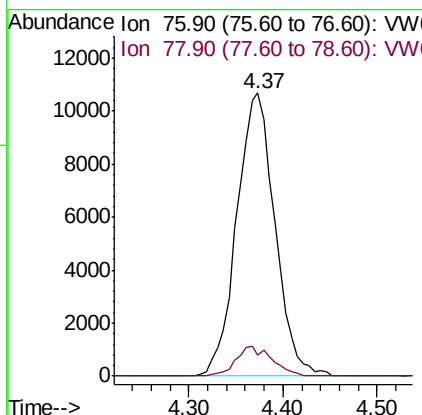
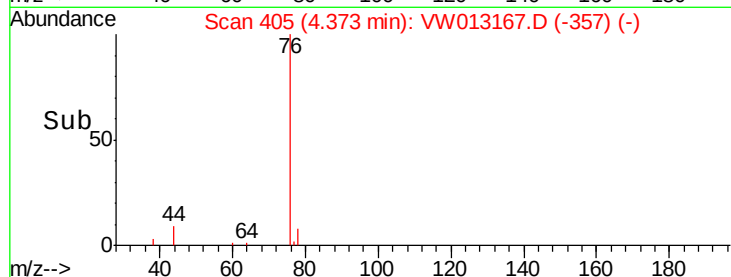
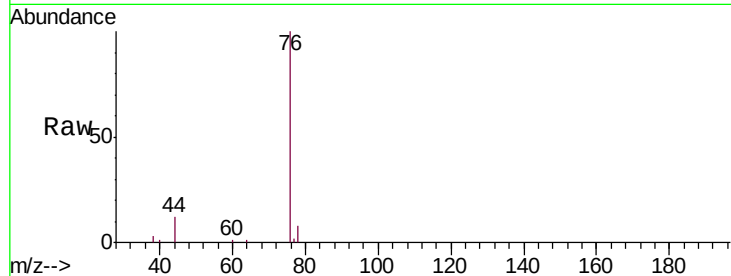




#17
Carbon Disulfide
Concen: 8.565 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW013167.D
Acq: 19 Sep 2019 17:52

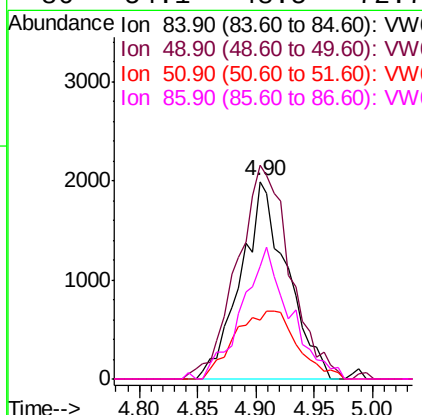
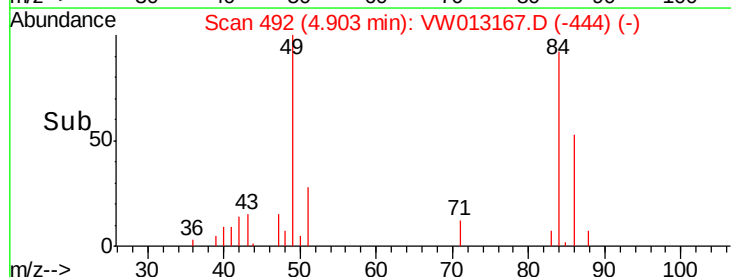
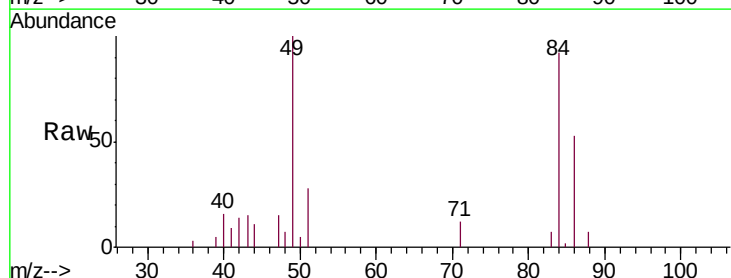
Instrument :
MSVOA_W
ClientSampleId :
CSA-2-2-3

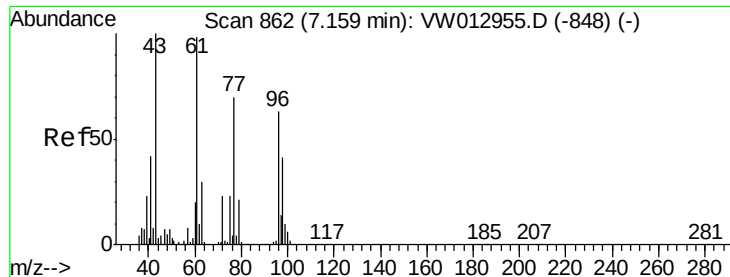
Tgt Ion: 76 Resp: 30083
Ion Ratio Lower Upper
76 100
78 7.6 7.0 10.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013167.D
Acq: 19 Sep 2019 17:52

Tgt Ion: 84 Resp: 5510
Ion Ratio Lower Upper
84 100
49 105.6 102.0 153.0
51 30.1 34.0 51.0#
86 54.1 48.5 72.7

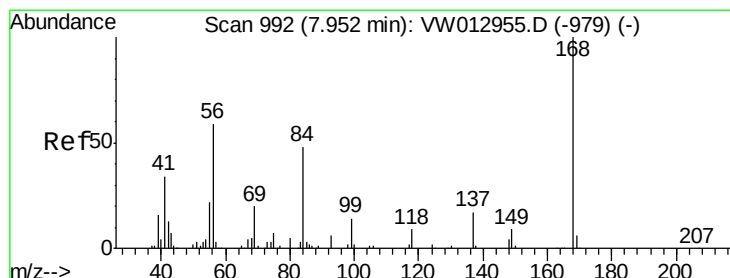
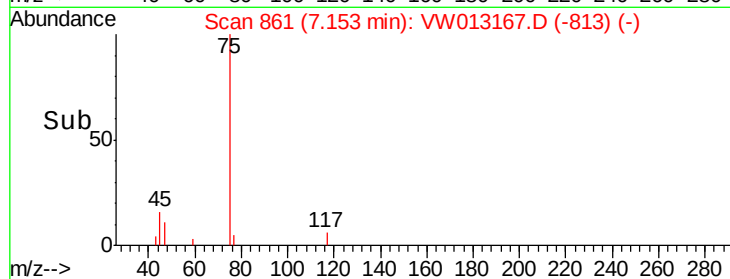
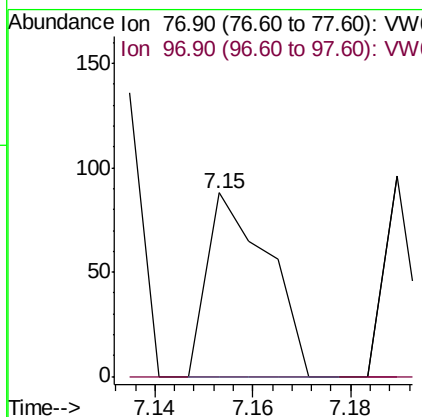
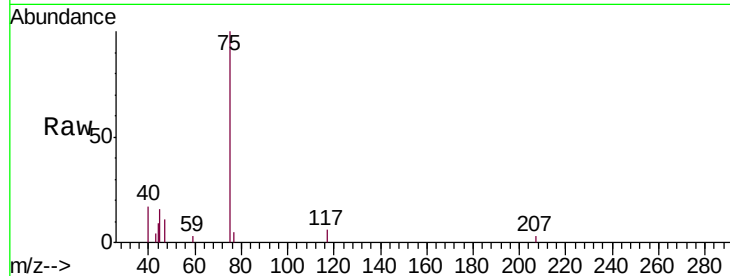




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013167.D
Acq: 19 Sep 2019 17:52

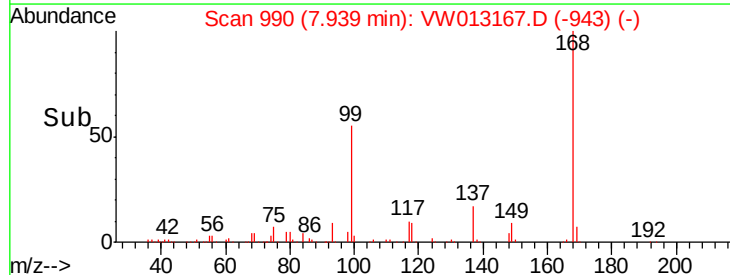
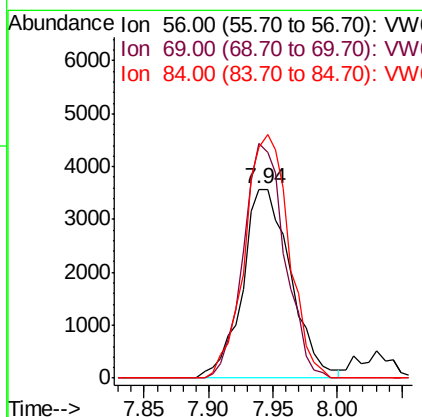
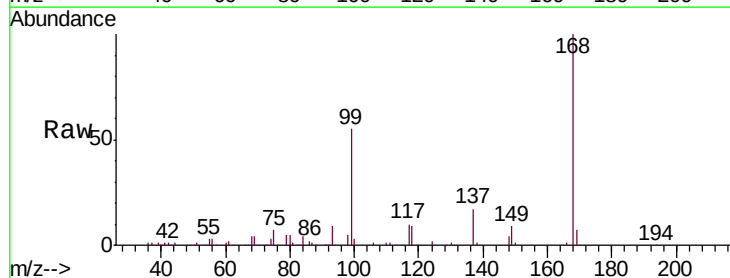
Instrument :
MSVOA_W
ClientSampled :
CSA-2-2-3

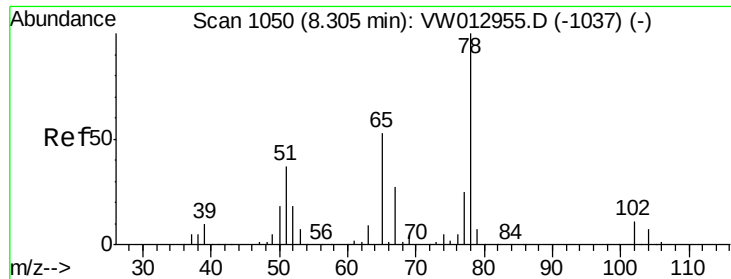
Tgt Ion: 77 Resp: 76
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#



#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013167.D
Acq: 19 Sep 2019 17:52

Tgt Ion: 56 Resp: 9242
Ion Ratio Lower Upper
56 100
69 124.0 27.0 40.6#
84 121.9 66.2 99.2#

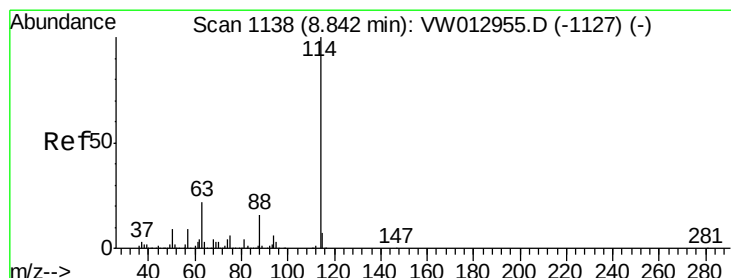
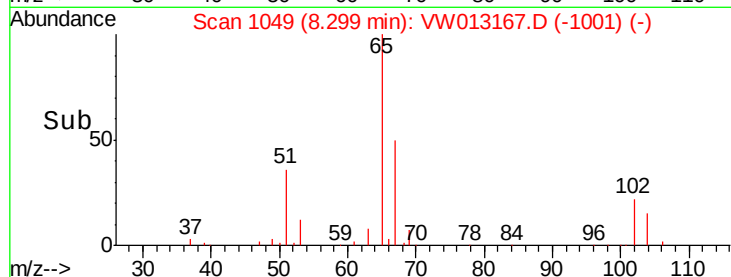
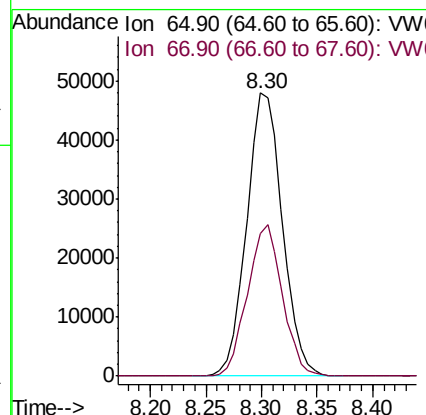
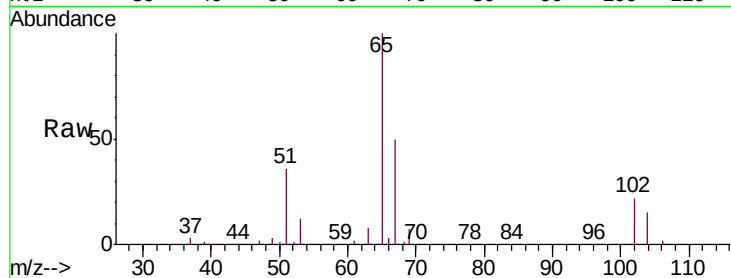




#33
 1,2-Dichloroethane-d4
 Concen: 45.444 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013167.D
 Acq: 19 Sep 2019 17:52

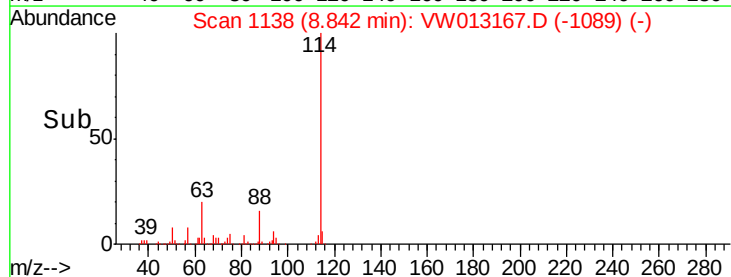
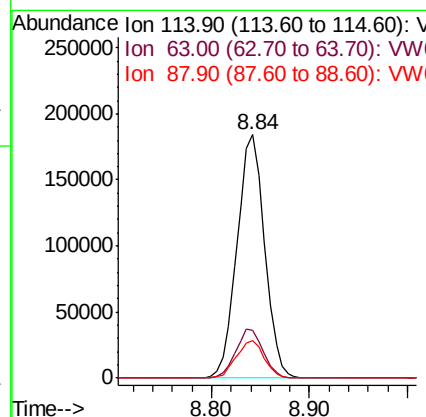
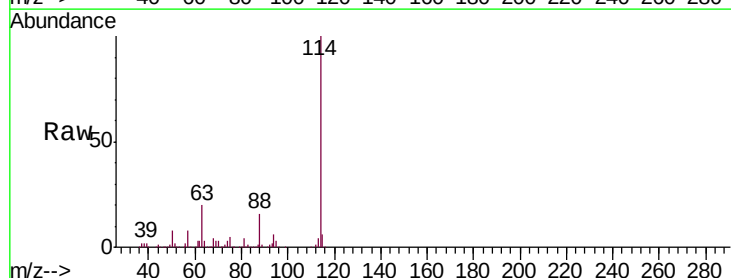
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 ClientSampled :
 CSA-2-2-3

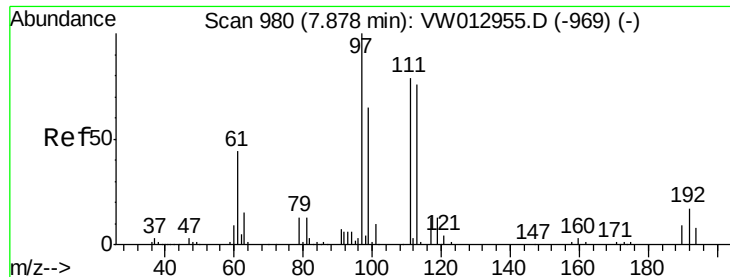
Tgt Ion: 65 Resp: 107167
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013167.D
 Acq: 19 Sep 2019 17:52

Tgt Ion: 114 Resp: 361251
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 43.4
 88 15.5 0.0 31.6

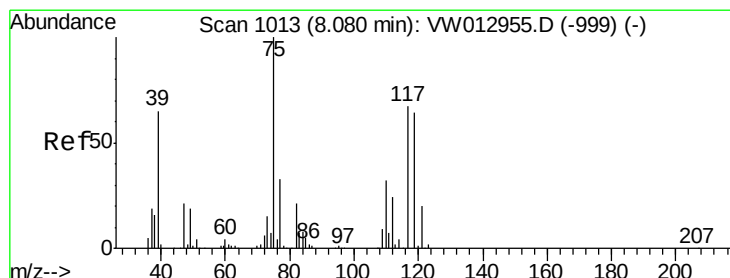
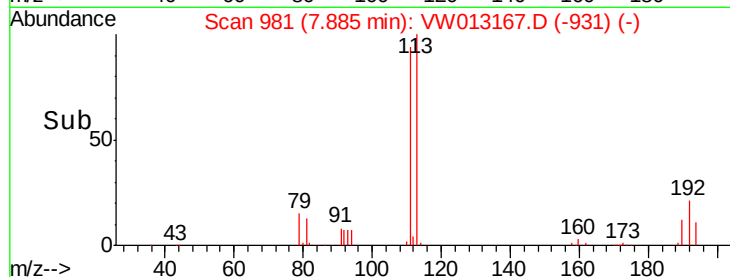
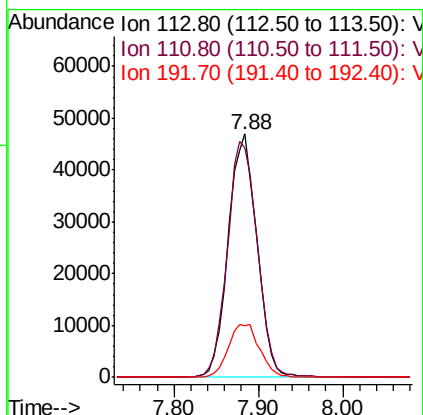
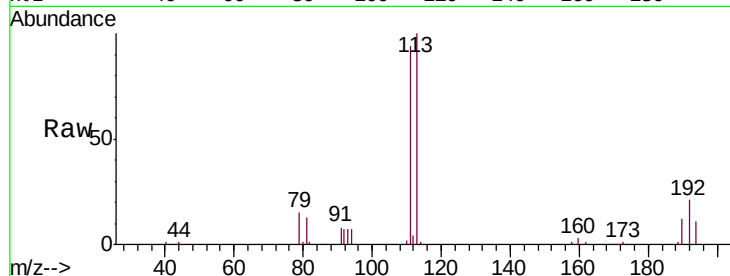




#35
 Dibromofluoromethane
 Concen: 55.505 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013167.D
 Acq: 19 Sep 2019 17:52

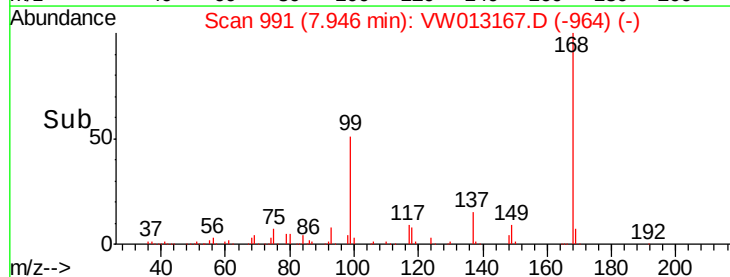
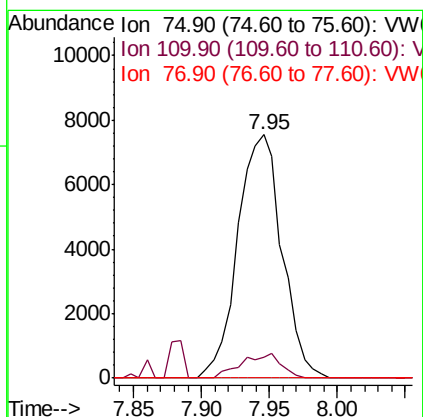
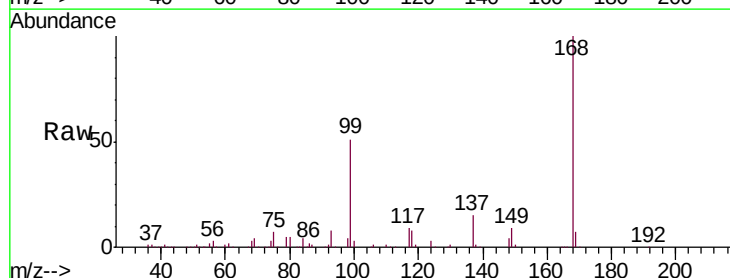
Instrument :
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 ClientSampleId :
 CSA-2-2-3

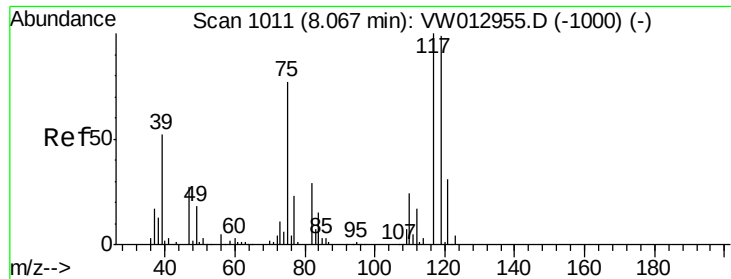
Tgt Ion: 113 Resp: 108801
 Ion Ratio Lower Upper
 113 100
 111 100.8 82.8 124.2
 192 23.6 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 5.944 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013167.D
 Acq: 19 Sep 2019 17:52

Tgt Ion: 75 Resp: 17159
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.4 49.1#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 7.574 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013167.D

Acq: 19 Sep 2019 17:52

Instrument :

MSVOA_W

ClientSampled :

CSA-2-2-3

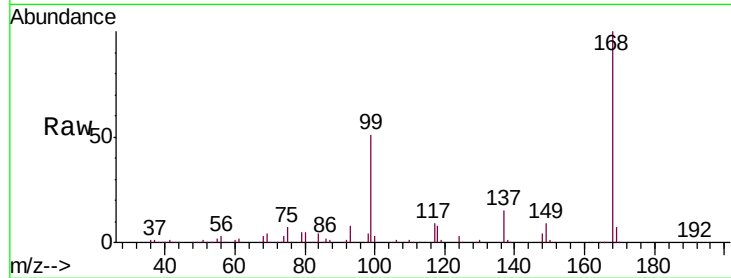
Tgt Ion:117 Resp: 22406

Ion Ratio Lower Upper

117 100

119 6.0 79.4 119.0#

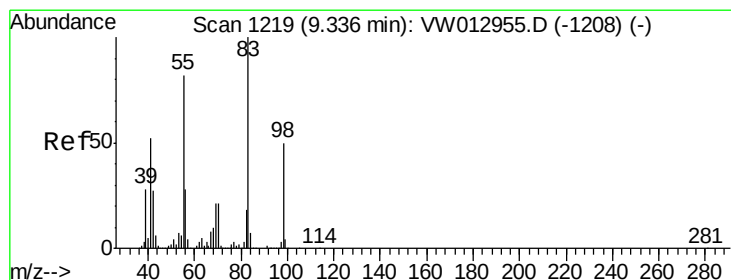
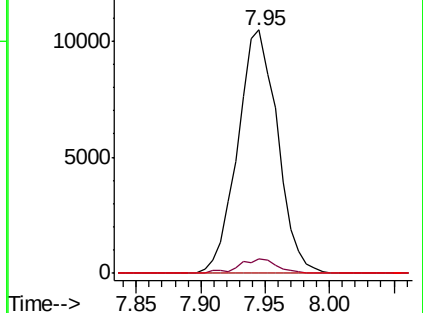
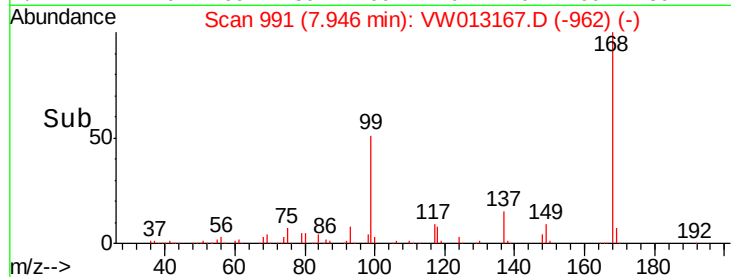
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 3.732 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW013167.D

Acq: 19 Sep 2019 17:52

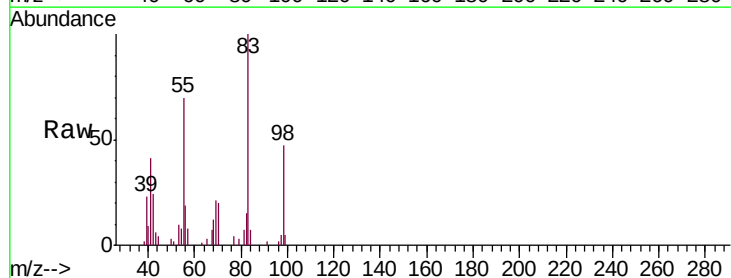
Tgt Ion: 83 Resp: 11804

Ion Ratio Lower Upper

83 100

55 70.3 65.9 98.9

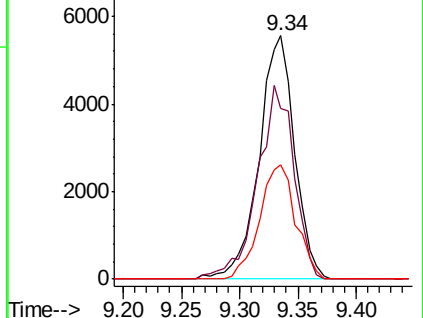
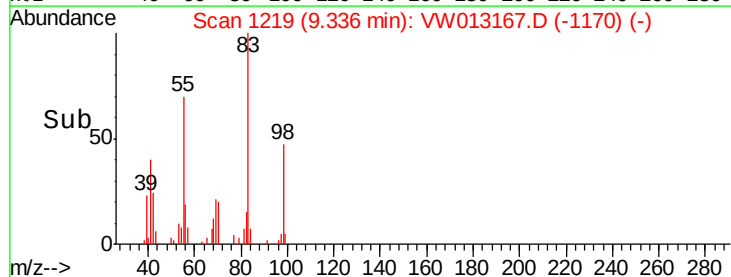
98 46.8 39.6 59.4

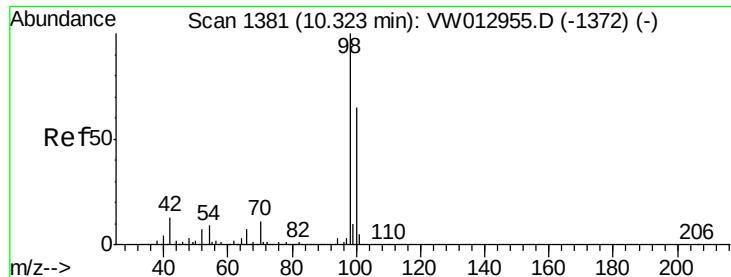


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

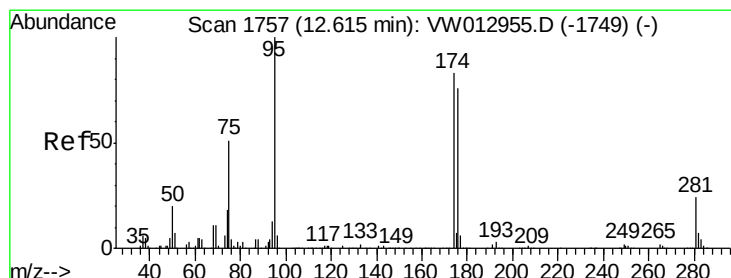
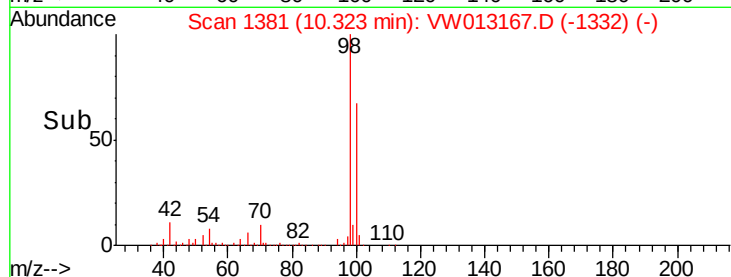
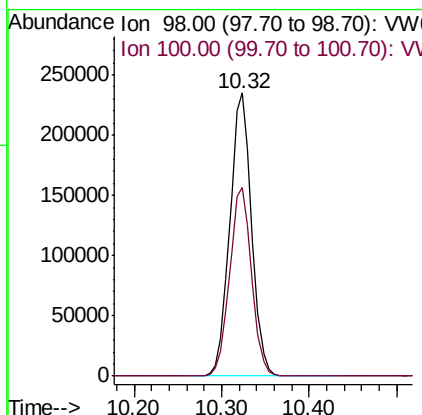
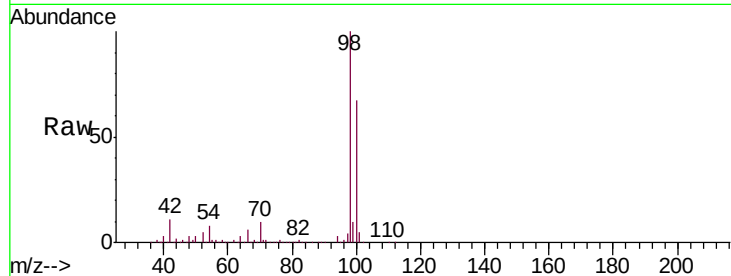




#50
Toluene-d8
Concen: 52.934 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013167.D
Acq: 19 Sep 2019 17:52

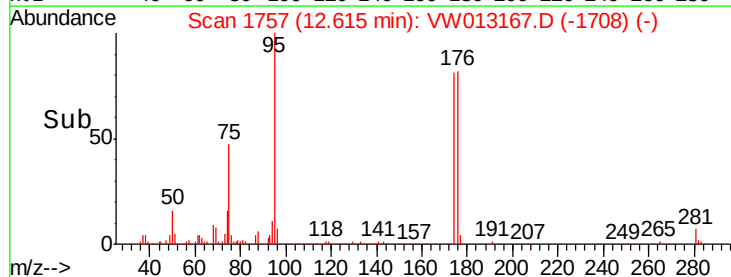
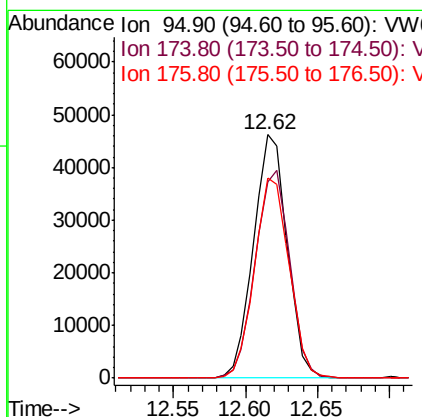
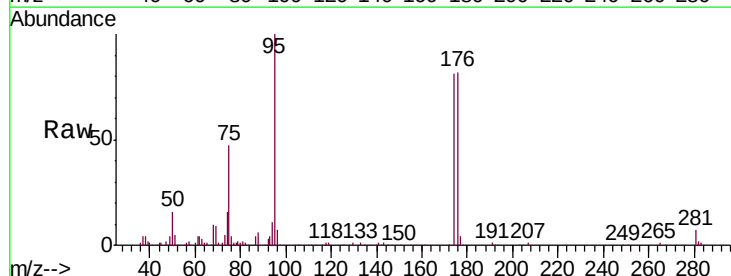
Instrument :
MSVOA_W
ClientSampled :
CSA-2-2-3

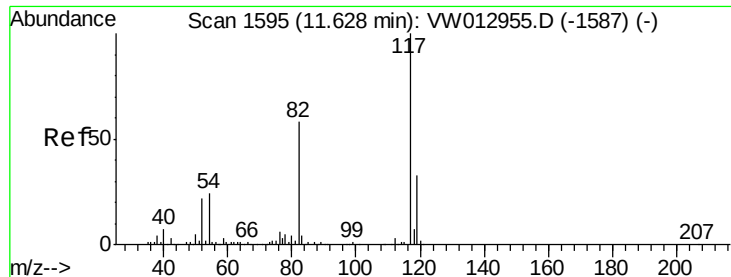
Tgt Ion: 98 Resp: 406031
Ion Ratio Lower Upper
98 100
100 67.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 26.990 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013167.D
Acq: 19 Sep 2019 17:52

Tgt Ion: 95 Resp: 74443
Ion Ratio Lower Upper
95 100
174 87.4 0.0 170.4
176 85.0 0.0 164.6

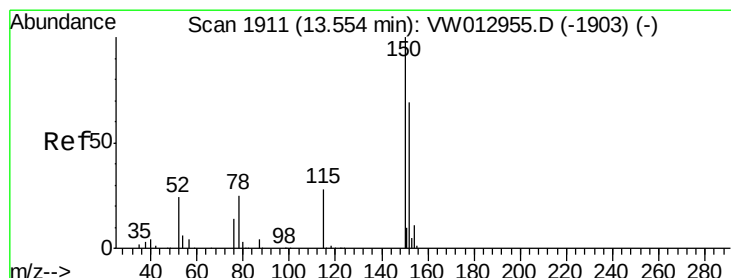
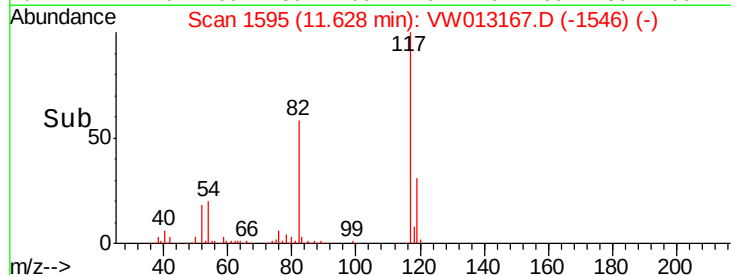
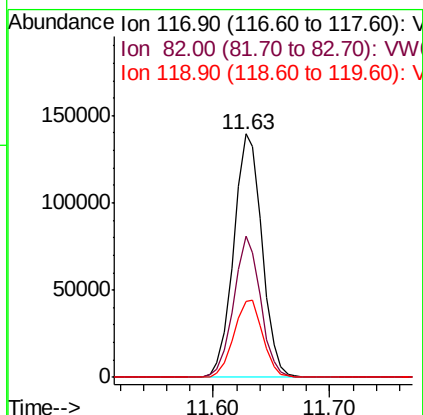
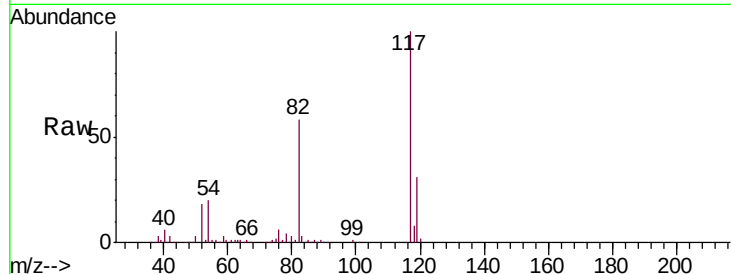




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013167.D
Acq: 19 Sep 2019 17:52

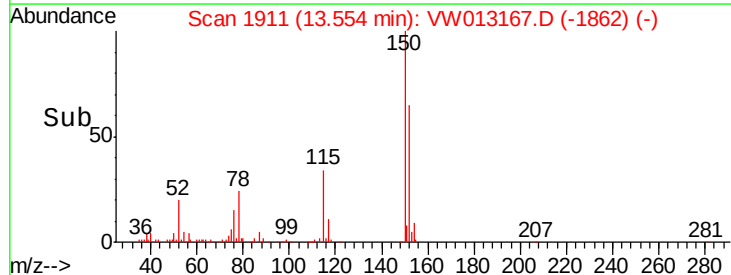
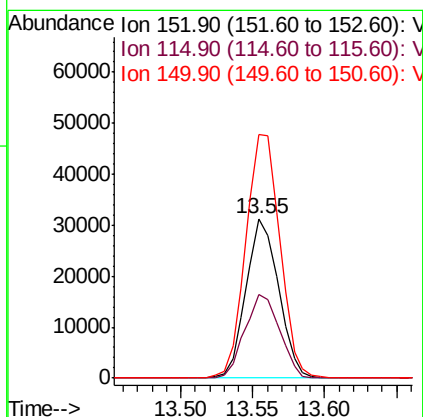
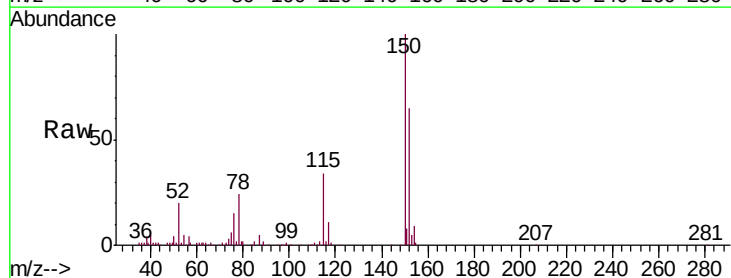
Instrument :
MSVOA_W
ClientSampleId :
CSA-2-2-3

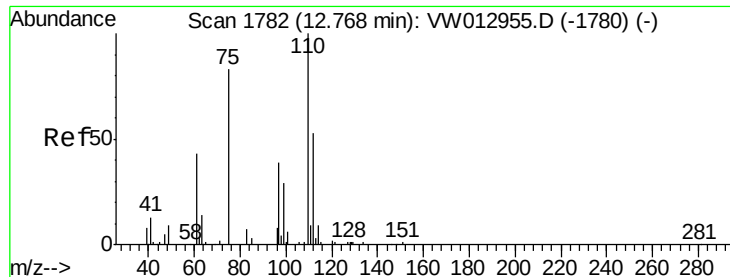
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.3	69.5
119	31.2	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW013167.D
Acq: 19 Sep 2019 17:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.8	86.4
150	159.3	0.0	340.2

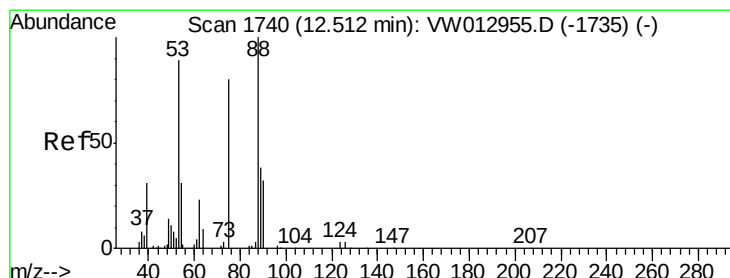
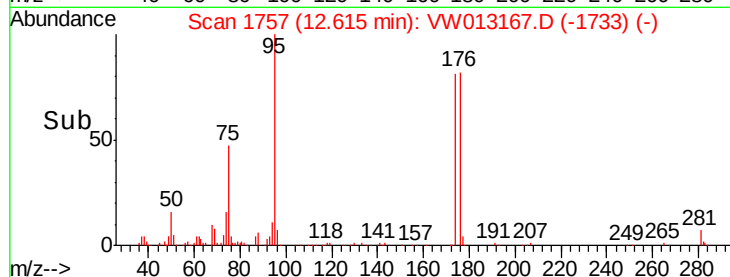
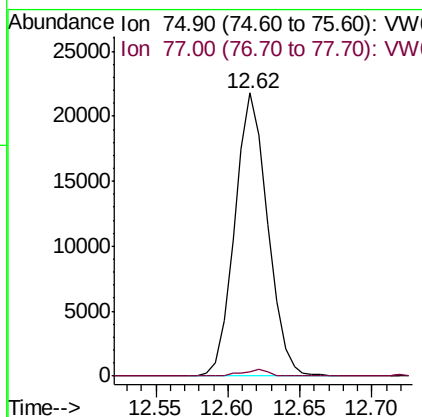
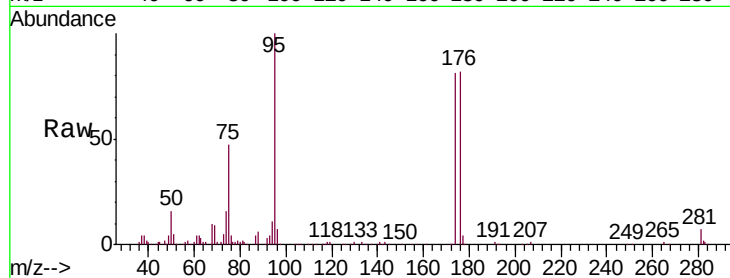




#76
 1,2,3-Trichloropropane
 Concen: 80.374 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013167.D
 Acq: 19 Sep 2019 17:52

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

Tgt Ion: 75 Resp: 34555
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 182.327 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013167.D
 Acq: 19 Sep 2019 17:52

Tgt Ion: 75 Resp: 34555
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.6 128.4#
 89 0.0 37.2 55.8#

