

Data File : VW013171.D
Acq On : 19 Sep 2019 19:35
Operator : SY/VA
Sample : K4877-04RE
Misc : 5.51G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CSA-2-2-2RE

Quant Time: Sep 20 07:49:07 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	300293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	433402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	60642	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	127987	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	7.88	113	129021	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
50) Toluene-d8	10.32	98	479046	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.62	95	85064	25.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.42%	

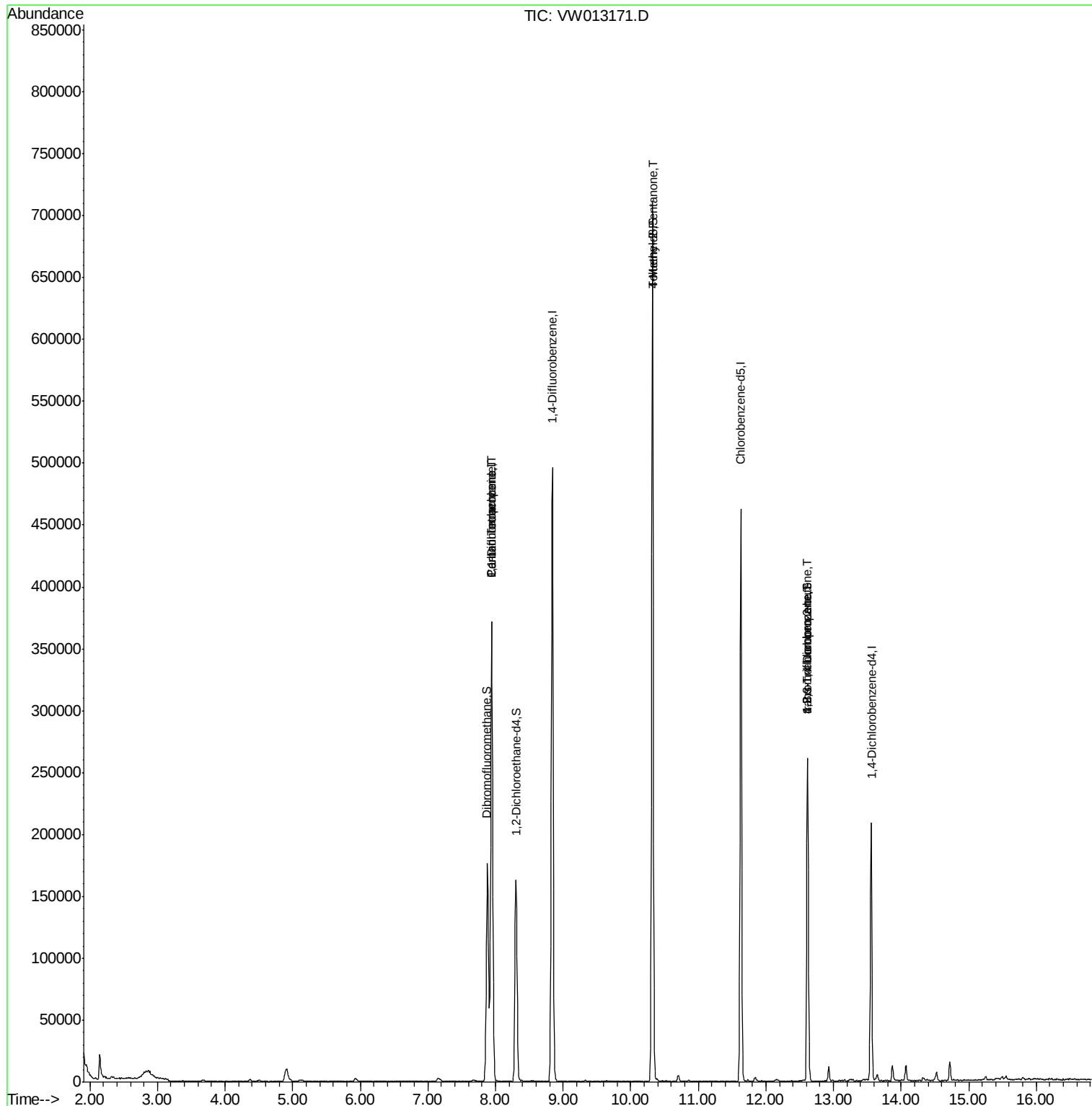
Target Compounds			Qvalue				
3) Chloromethane	2.20	50	167	Below Cal	#	41	
11) Tert butyl alcohol	5.13	59	538	Below Cal	#	72	
13) Acrolein	3.62	56	25	Below Cal	#	15	
16) Acetone	4.15	43	1187	Below Cal	#	87	
20) Methylene Chloride	4.92	84	8866	Below Cal		86	
26) 2,2-Dichloropropane	7.18	77	47	Below Cal	#	55	
31) Cyclohexane	7.94	56	5675	Below Cal	#	10	
36) 1,1-Dichloropropene	7.94	75	19016	5.491	ug/l #	52	
38) Carbon Tetrachloride	7.94	117	26480	7.461	ug/l #	14	
51) 4-Methyl-2-Pentanone	10.32	43	1940	1.065	ug/l #	1	
76) 1,2,3-Trichloropropane	12.62	75	41075	77.328	ug/l #	100	
81) trans-1,4-Dichloro-2-buten	12.62	75	41075	175.418	ug/l #	7	

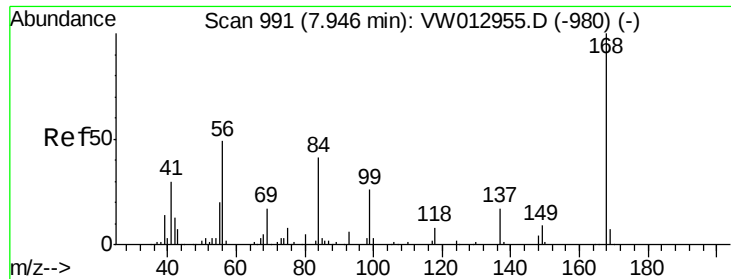
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 13 17:26:01 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

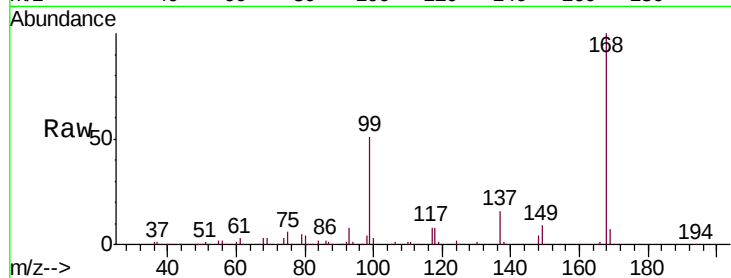
CSA-2-2-2RE

Tgt Ion:168 Resp: 300293

Ion Ratio Lower Upper

168 100

99 51.4 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

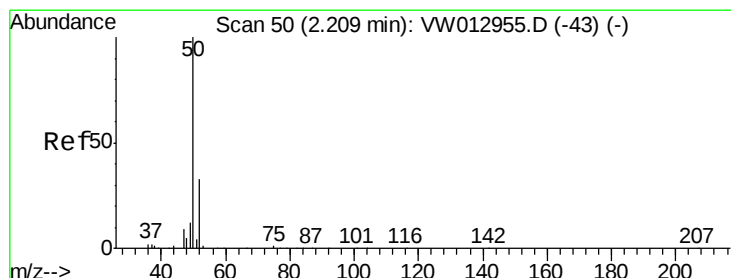
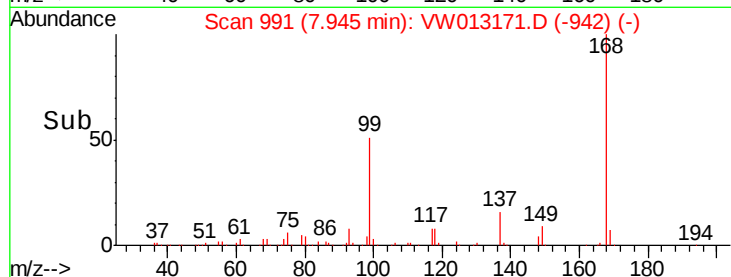
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013171.D

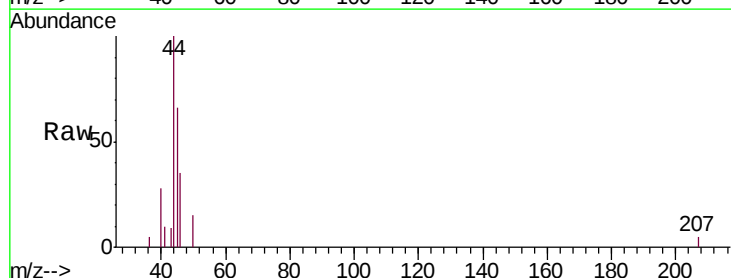
Acq: 19 Sep 2019 19:35

Tgt Ion: 50 Resp: 167

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

2.20

200

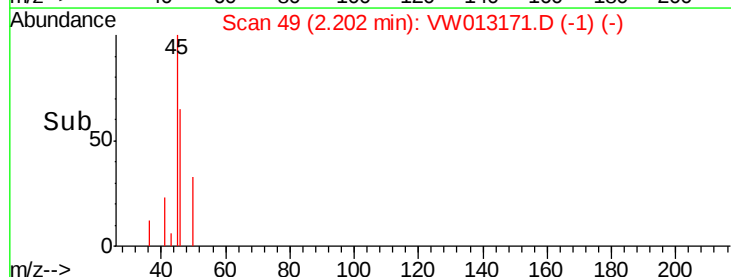
150

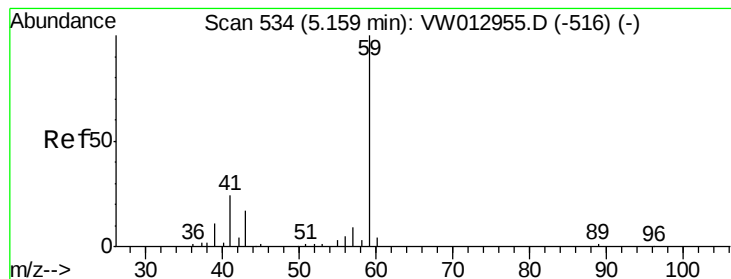
100

50

0

Time--> 2.16 2.18 2.20 2.22 2.24



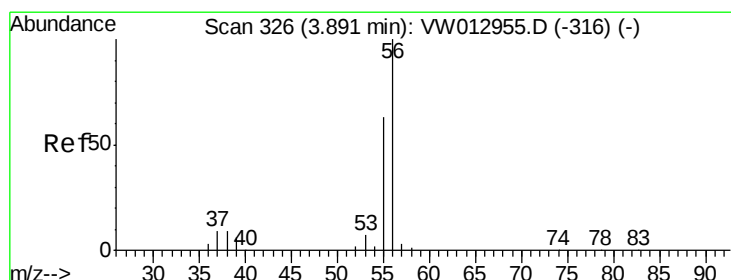
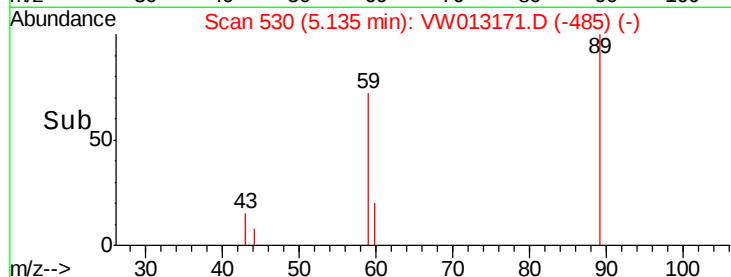
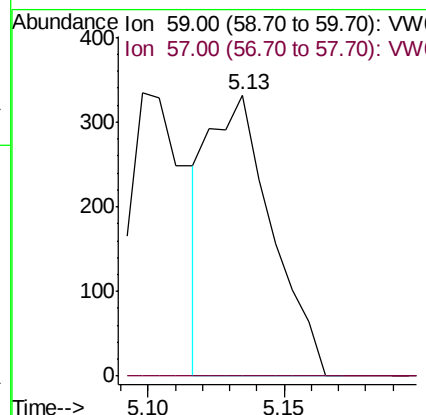
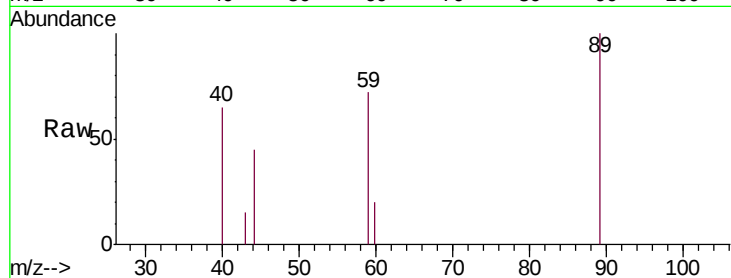


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.13 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VW013171.D
 Acq: 19 Sep 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-2-2-2RE

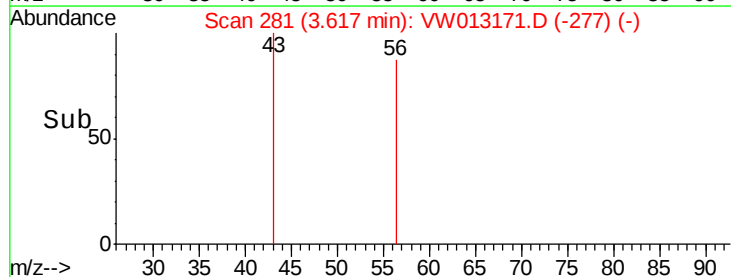
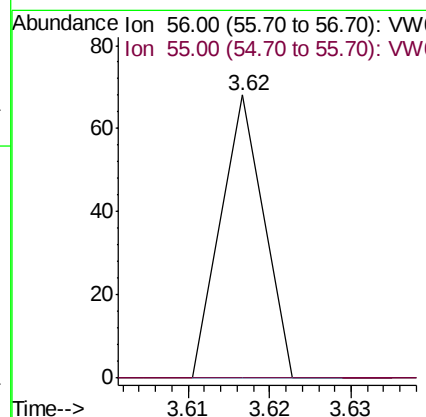
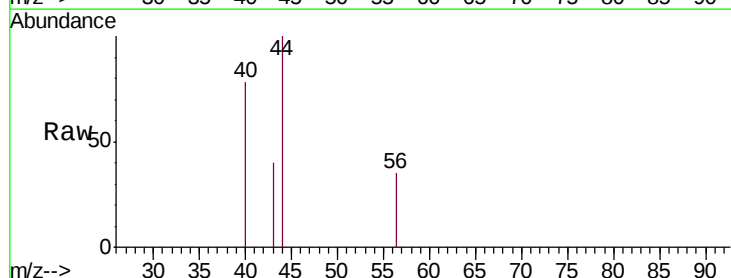
Tgt Ion: 59 Resp: 538
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

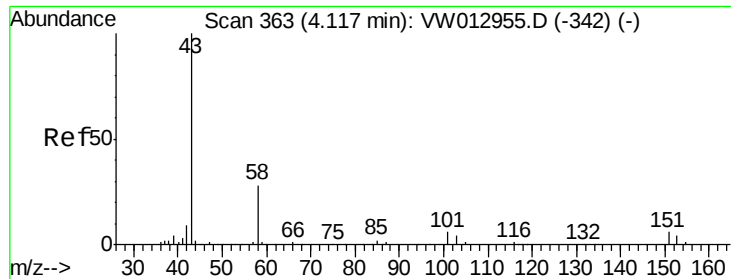


#13

Acrolein
 Concen: Below Cal
 RT: 3.62 min Scan# 281
 Delta R.T. -0.27 min
 Lab File: VW013171.D
 Acq: 19 Sep 2019 19:35

Tgt Ion: 56 Resp: 25
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#

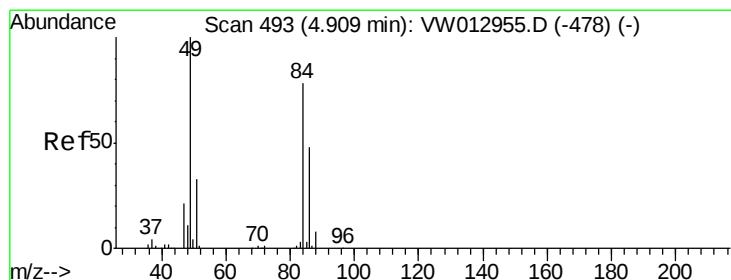
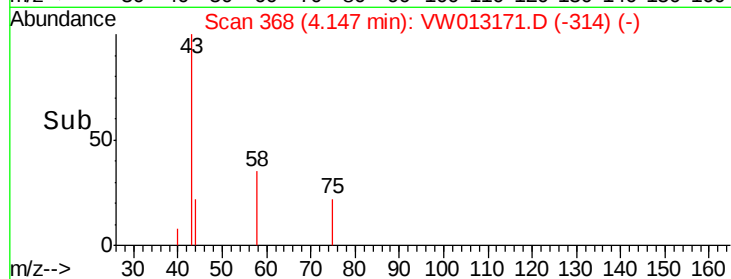
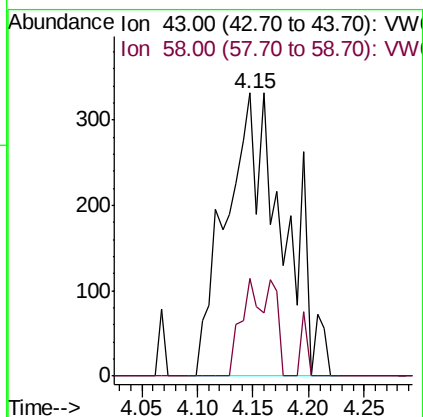
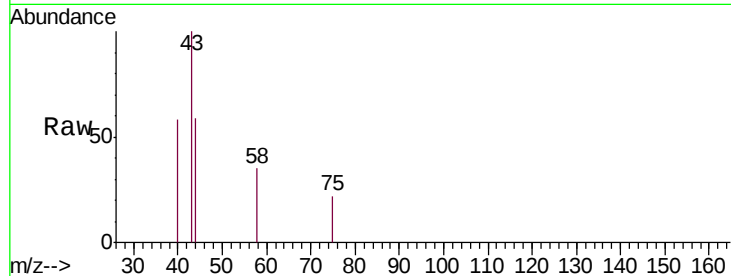




#16
Acetone
Concen: Below Cal
RT: 4.15 min Scan# 368
Delta R.T. 0.03 min
Lab File: VW013171.D
Acq: 19 Sep 2019 19:35

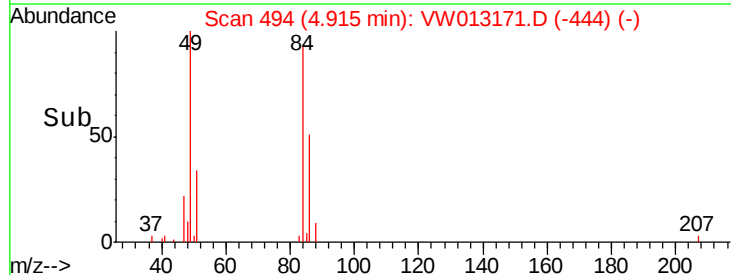
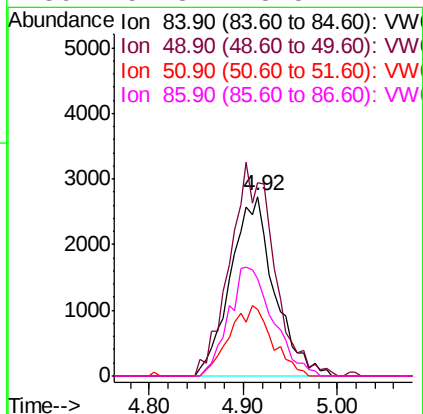
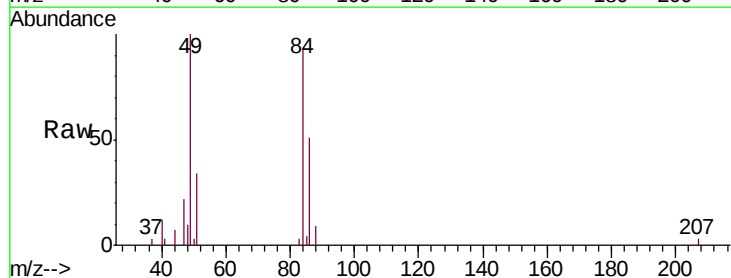
Instrument :
MSVOA_W
ClientSampleId :
CSA-2-2-2RE

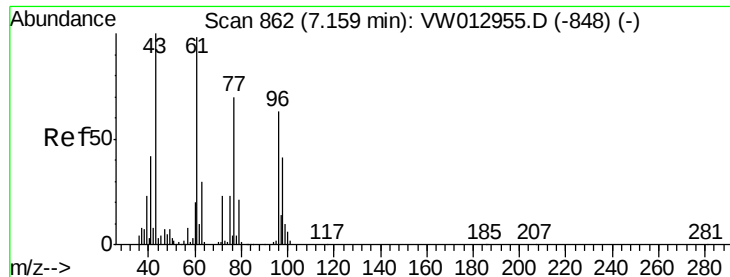
Tgt Ion: 43 Resp: 1187
Ion Ratio Lower Upper
43 100
58 34.6 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013171.D
Acq: 19 Sep 2019 19:35

Tgt Ion: 84 Resp: 8866
Ion Ratio Lower Upper
84 100
49 107.3 102.0 153.0
51 36.7 34.0 51.0
86 54.3 48.5 72.7

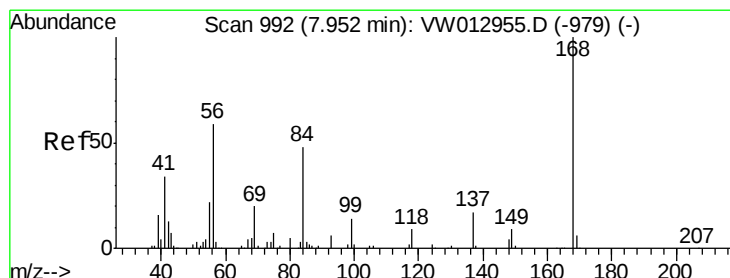
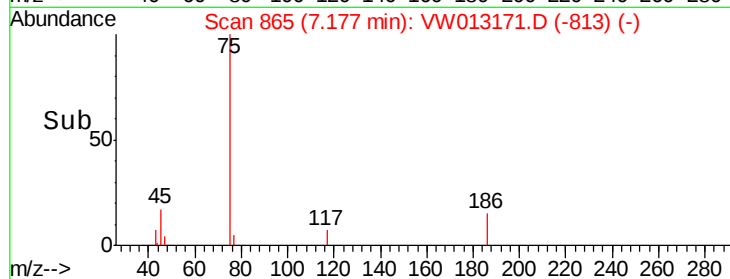
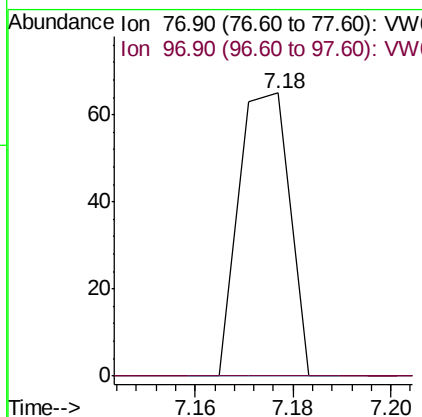
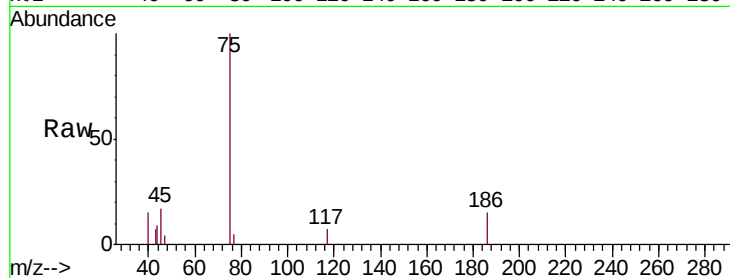




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.18 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VW013171.D
 Acq: 19 Sep 2019 19:35

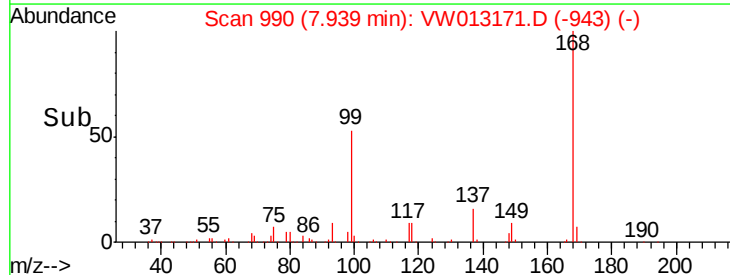
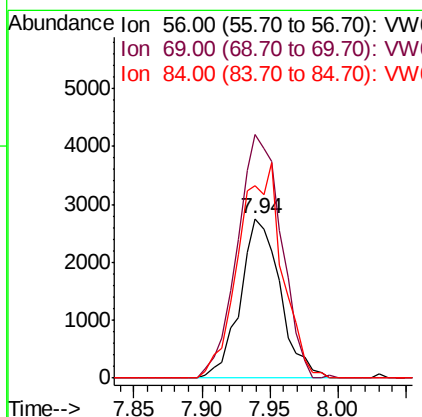
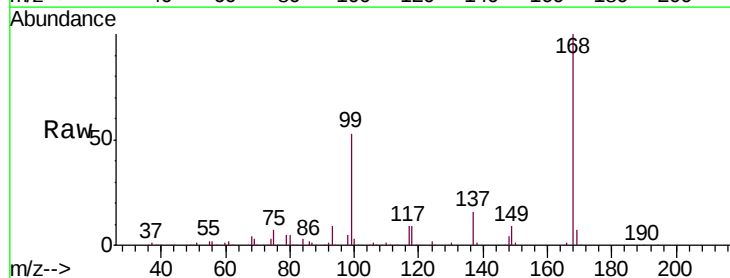
Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-2-2-2RE

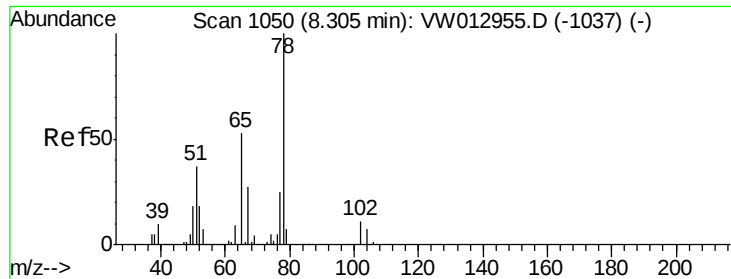
Tgt Ion: 77 Resp: 47
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#31
 Cyclohexane
 Concen: Below Cal
 RT: 7.94 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VW013171.D
 Acq: 19 Sep 2019 19:35

Tgt Ion: 56 Resp: 5675
 Ion Ratio Lower Upper
 56 100
 69 152.7 27.0 40.6#
 84 120.4 66.2 99.2#

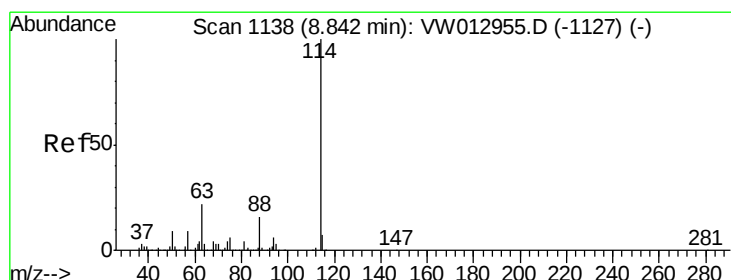
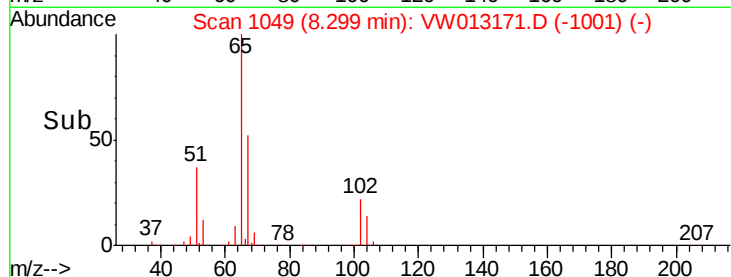
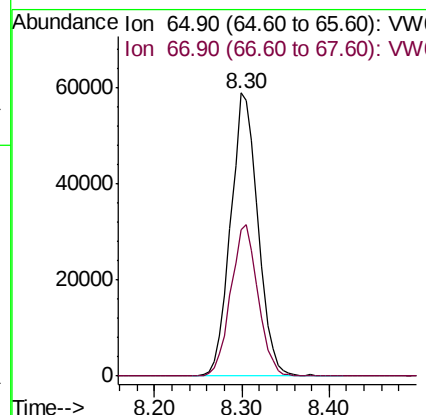
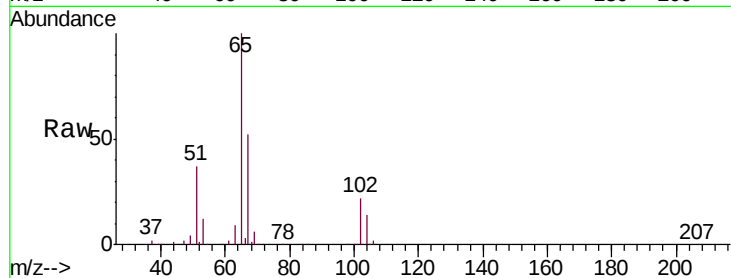




#33
 1,2-Dichloroethane-d4
 Concen: 46.148 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013171.D
 Acq: 19 Sep 2019 19:35

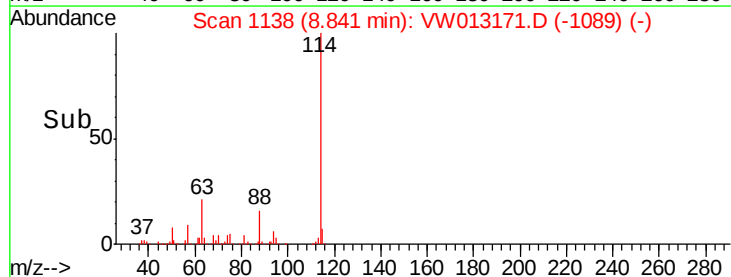
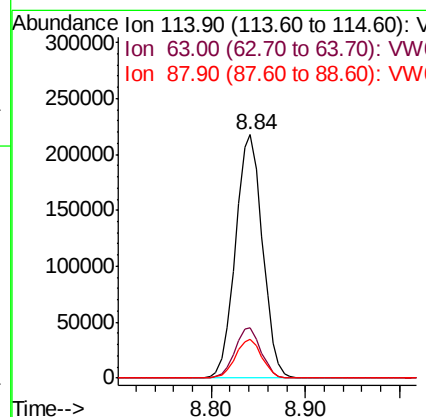
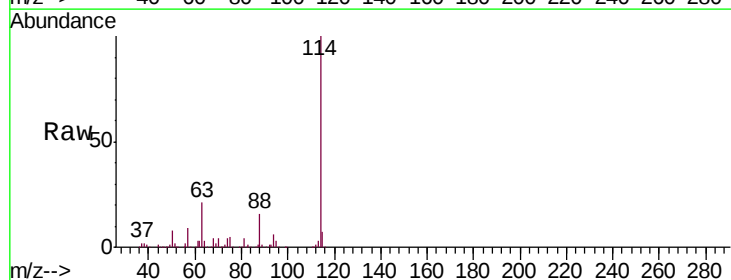
Instrument :
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 ClientSampleId :
 CSA-2-2-2RE

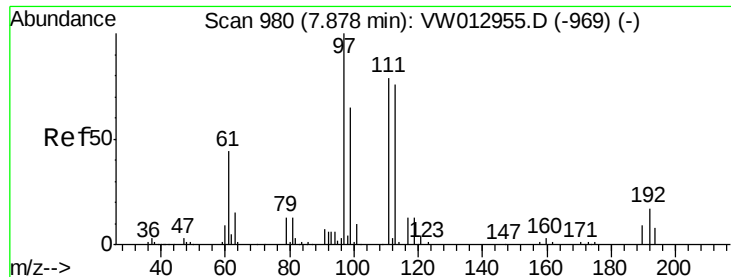
Tgt Ion: 65 Resp: 127987
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013171.D
 Acq: 19 Sep 2019 19:35

Tgt Ion: 114 Resp: 433402
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.4
 88 15.7 0.0 31.6

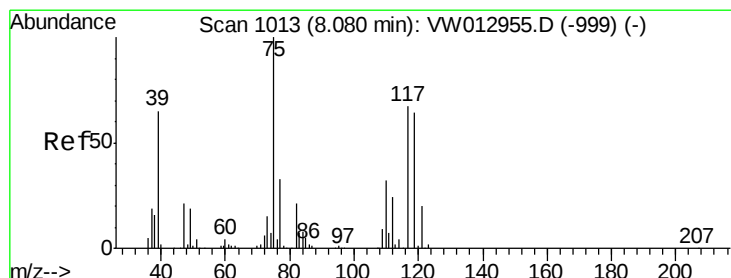
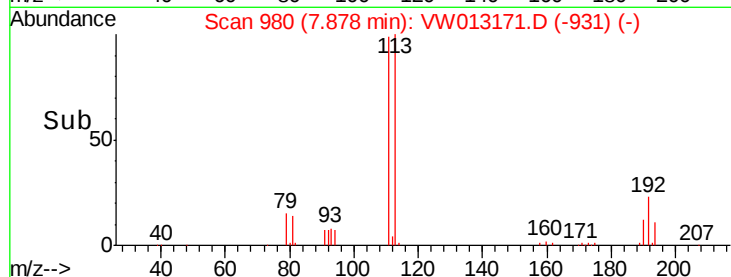
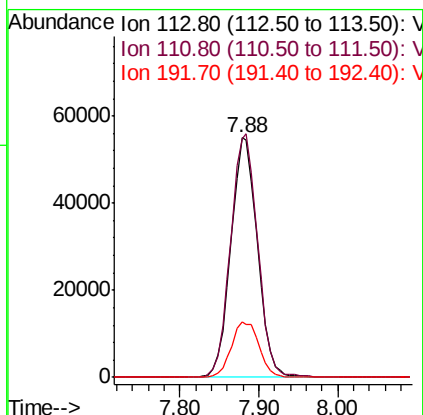
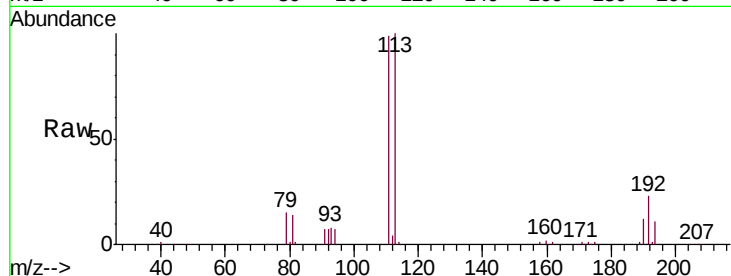




#35
 Dibromofluoromethane
 Concen: 54.863 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013171.D
 Acq: 19 Sep 2019 19:35

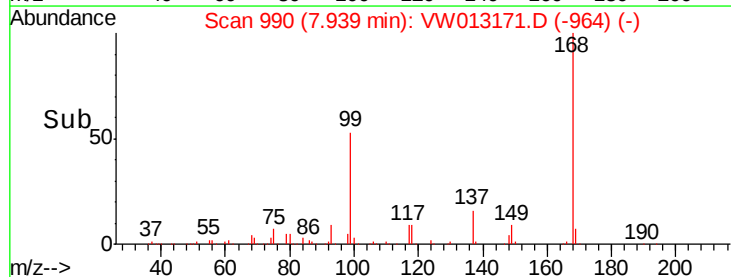
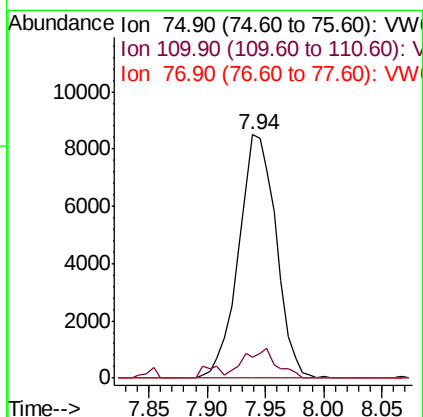
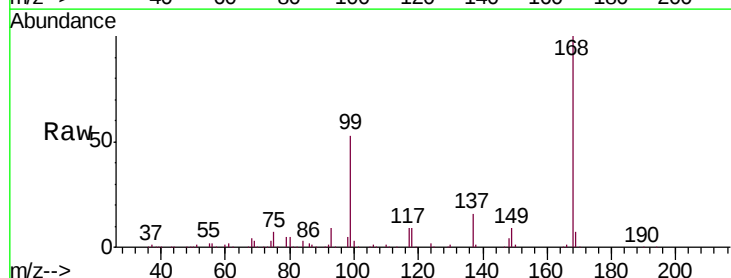
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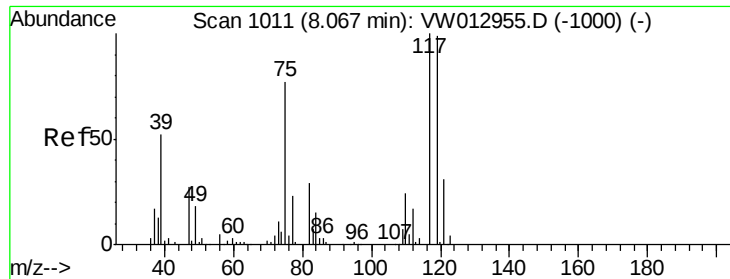
Tgt Ion:113 Resp: 129021
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 24.1 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 5.491 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013171.D
 Acq: 19 Sep 2019 19:35

Tgt Ion: 75 Resp: 19016
 Ion Ratio Lower Upper
 75 100
 110 10.7 16.4 49.1#
 77 0.0 25.1 37.7#

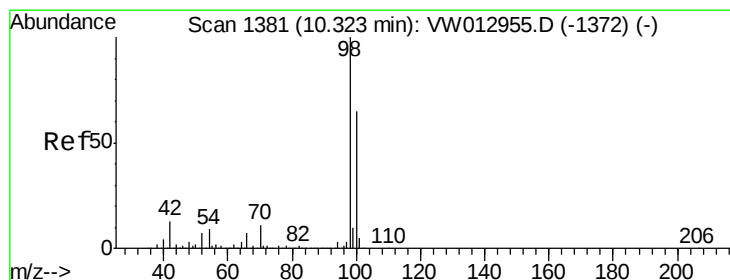
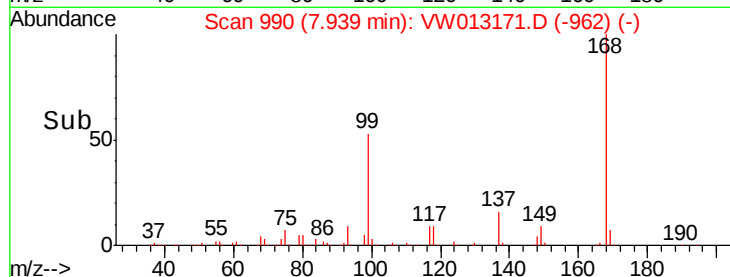
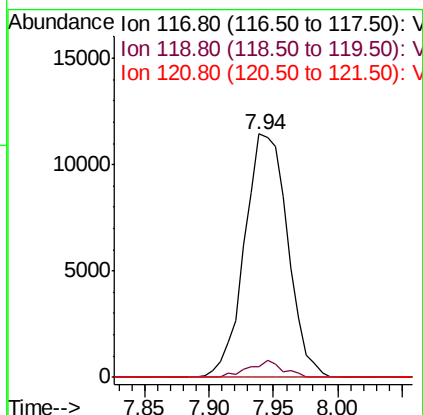
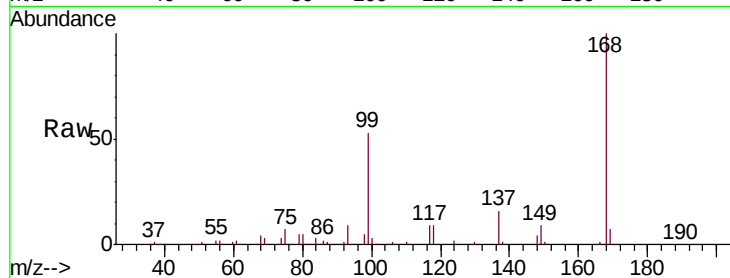




#38
Carbon Tetrachloride
Concen: 7.461 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013171.D
Acq: 19 Sep 2019 19:35

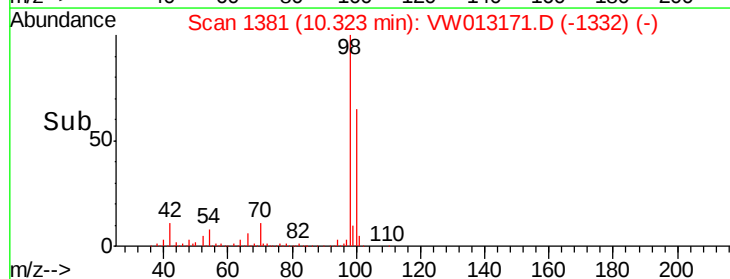
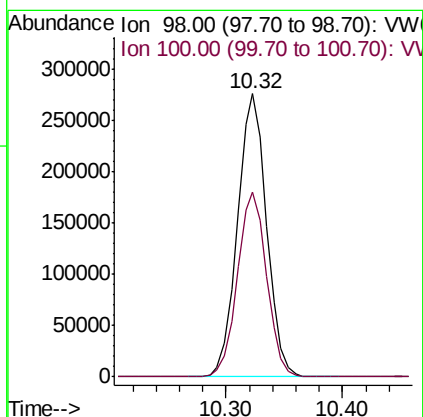
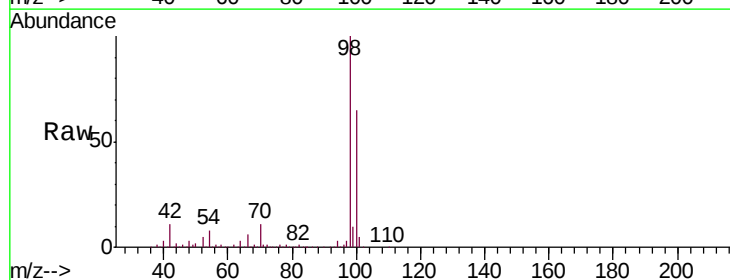
Instrument :
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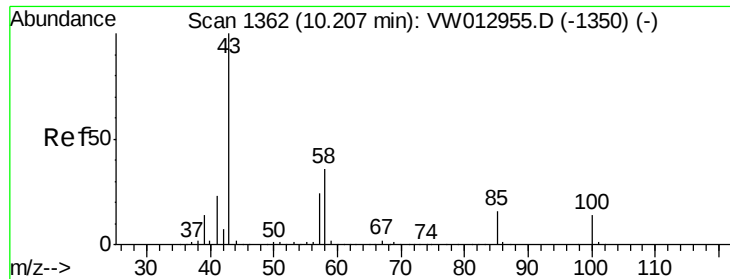
Tgt Ion:117 Resp: 26480
Ion Ratio Lower Upper
117 100
119 4.4 79.4 119.0#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 52.056 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013171.D
Acq: 19 Sep 2019 19:35

Tgt Ion: 98 Resp: 479046
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.065 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013171.D

Acq: 19 Sep 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

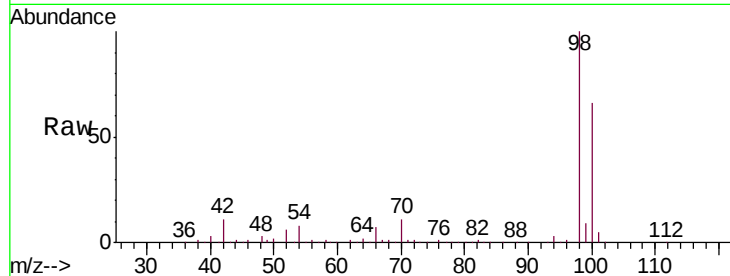
CSA-2-2-RE

Tgt Ion: 43 Resp: 1940

Ion Ratio Lower Upper

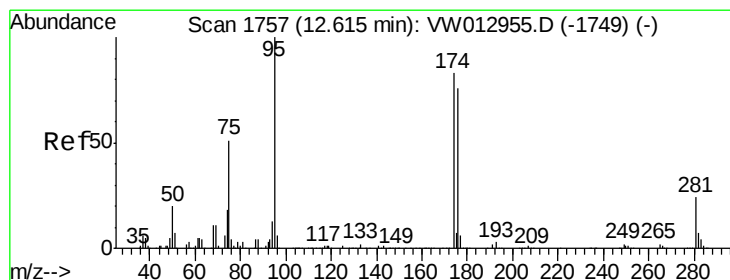
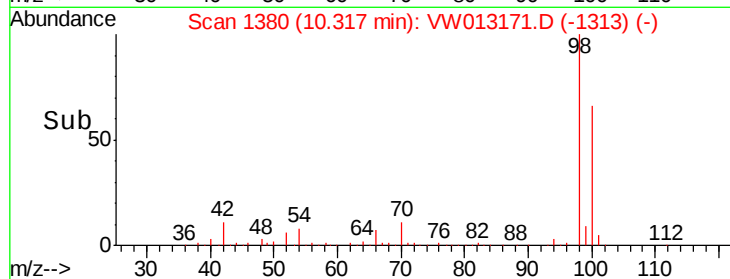
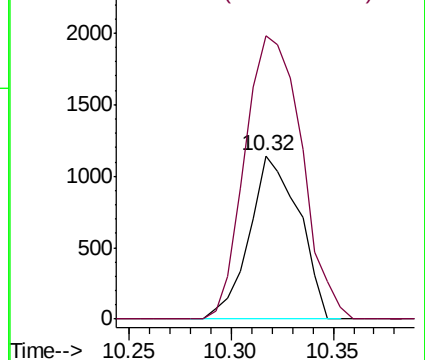
43 100

58 197.7 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 25.707 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013171.D

Acq: 19 Sep 2019 19:35

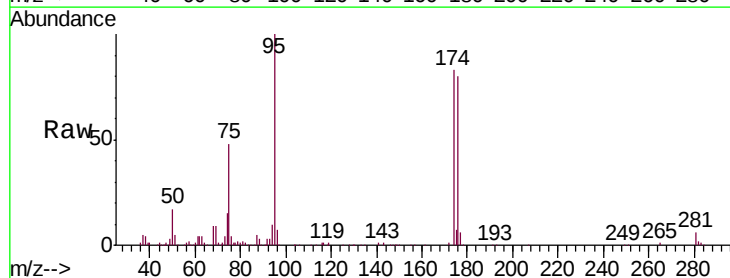
Tgt Ion: 95 Resp: 85064

Ion Ratio Lower Upper

95 100

174 86.1 0.0 170.4

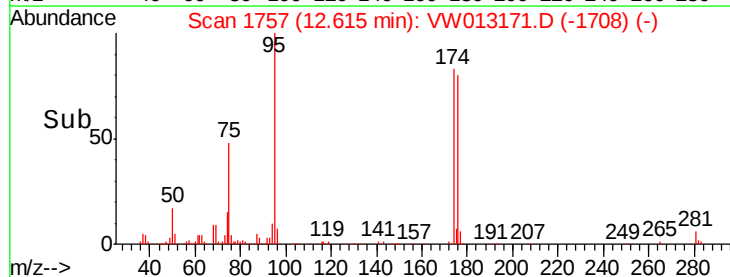
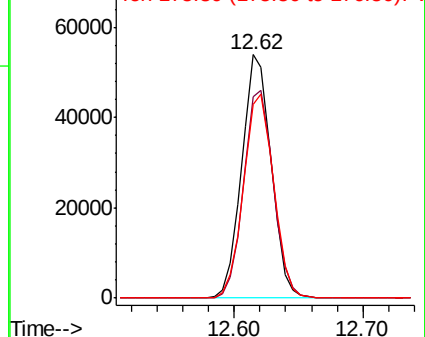
176 85.2 0.0 164.6

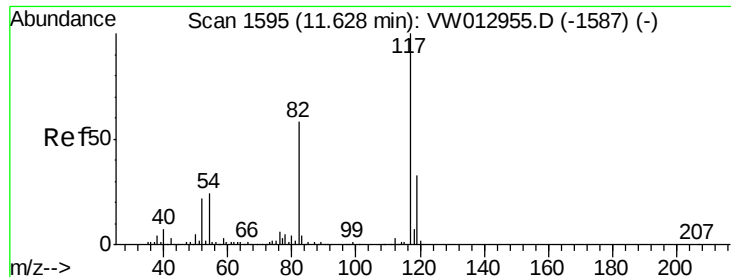


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

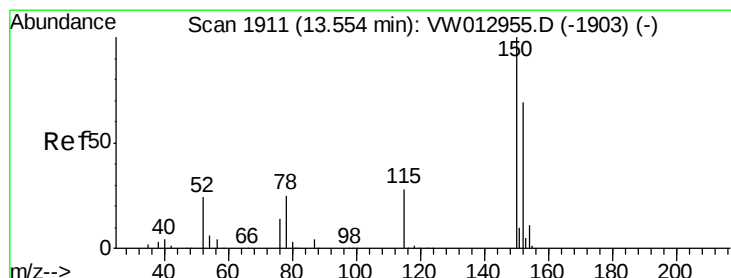
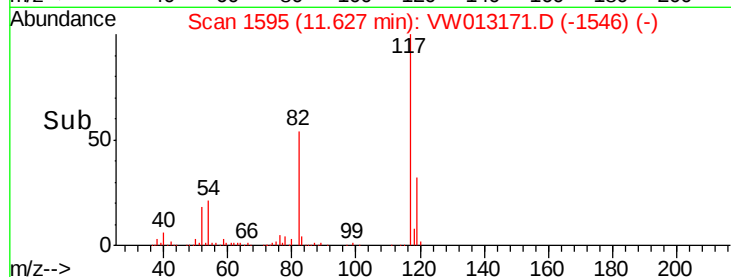
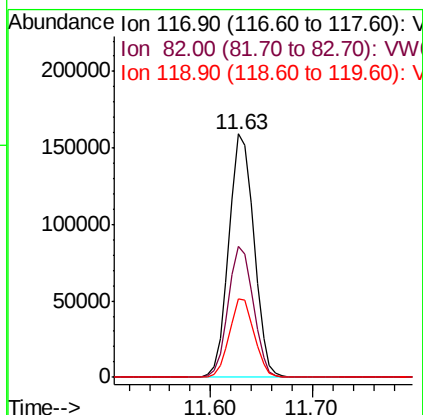
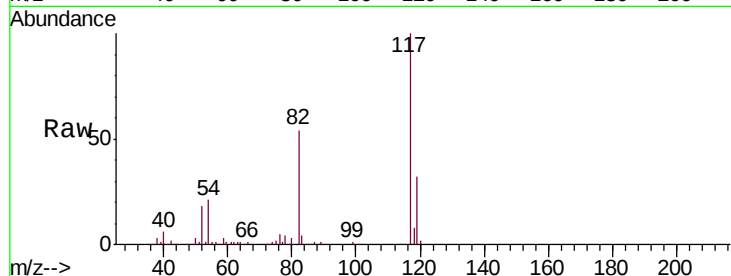




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013171.D
Acq: 19 Sep 2019 19:35

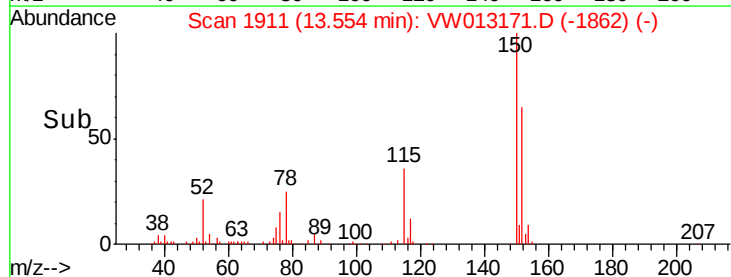
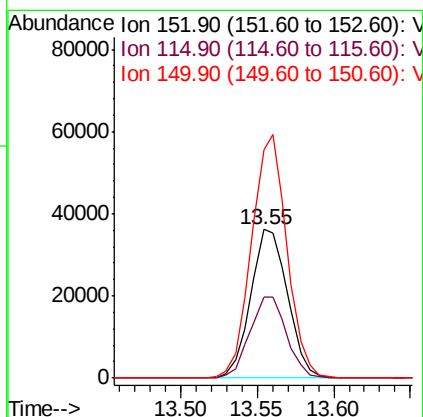
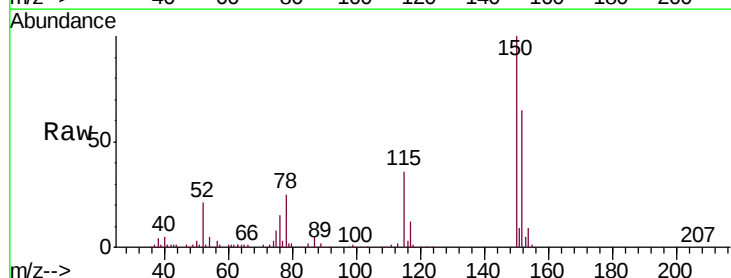
Instrument :
MSVOA_W
ClientSampleId :
CSA-2-2-2RE

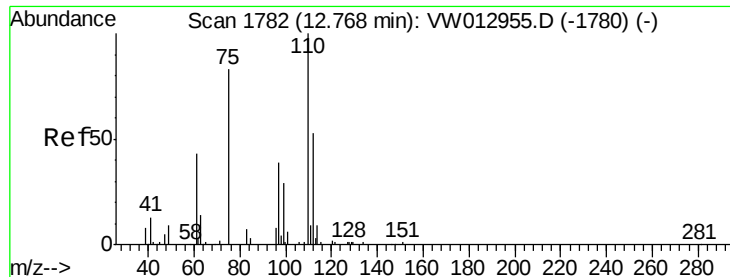
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	46.3	69.5
119	32.4	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013171.D
Acq: 19 Sep 2019 19:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	28.8	86.4
150	157.2	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 77.328 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013171.D

Acq: 19 Sep 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

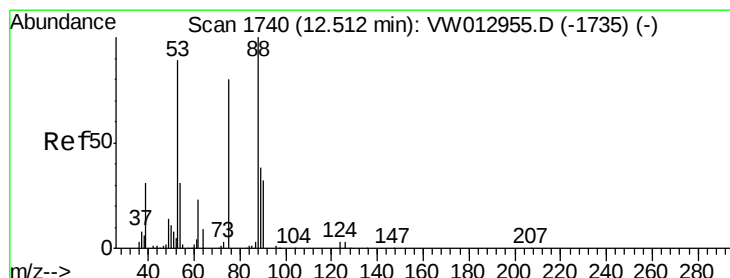
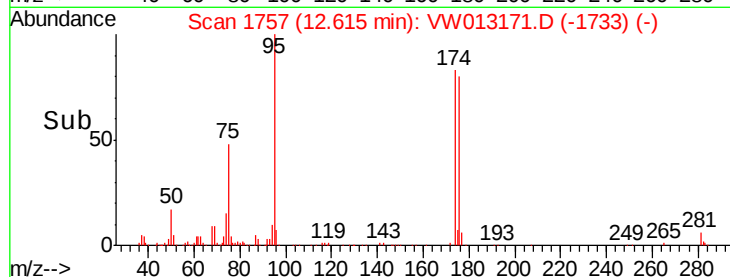
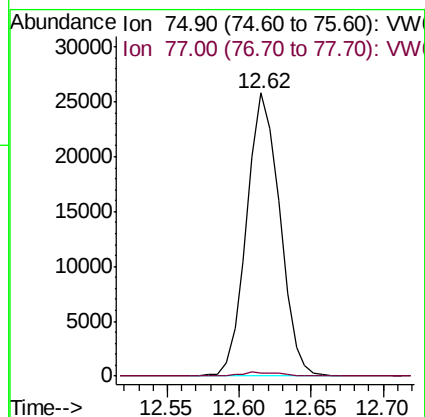
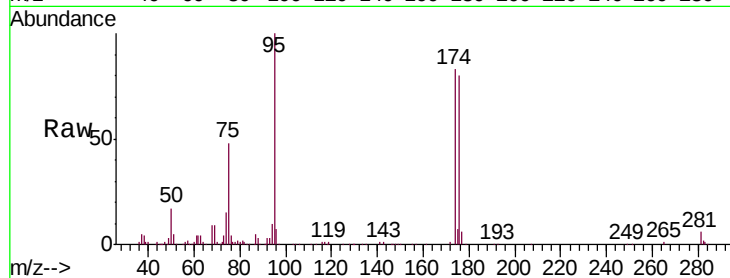
CSA-2-2-RE

Tgt Ion: 75 Resp: 41075

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 175.418 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013171.D

Acq: 19 Sep 2019 19:35

Tgt Ion: 75 Resp: 41075

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.2 37.2 55.8#

