

Data File : VW013164.D
Acq On : 19 Sep 2019 16:35
Operator : SY/VA
Sample : K4825-08RE
Misc : 6.95G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CSA-4-2-0.5RE

Quant Time: Sep 20 07:47:04 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	302096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	471011	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83971	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	137765	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	7.88	113	131736	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.32	98	492977	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.61	95	111322	30.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.92%	

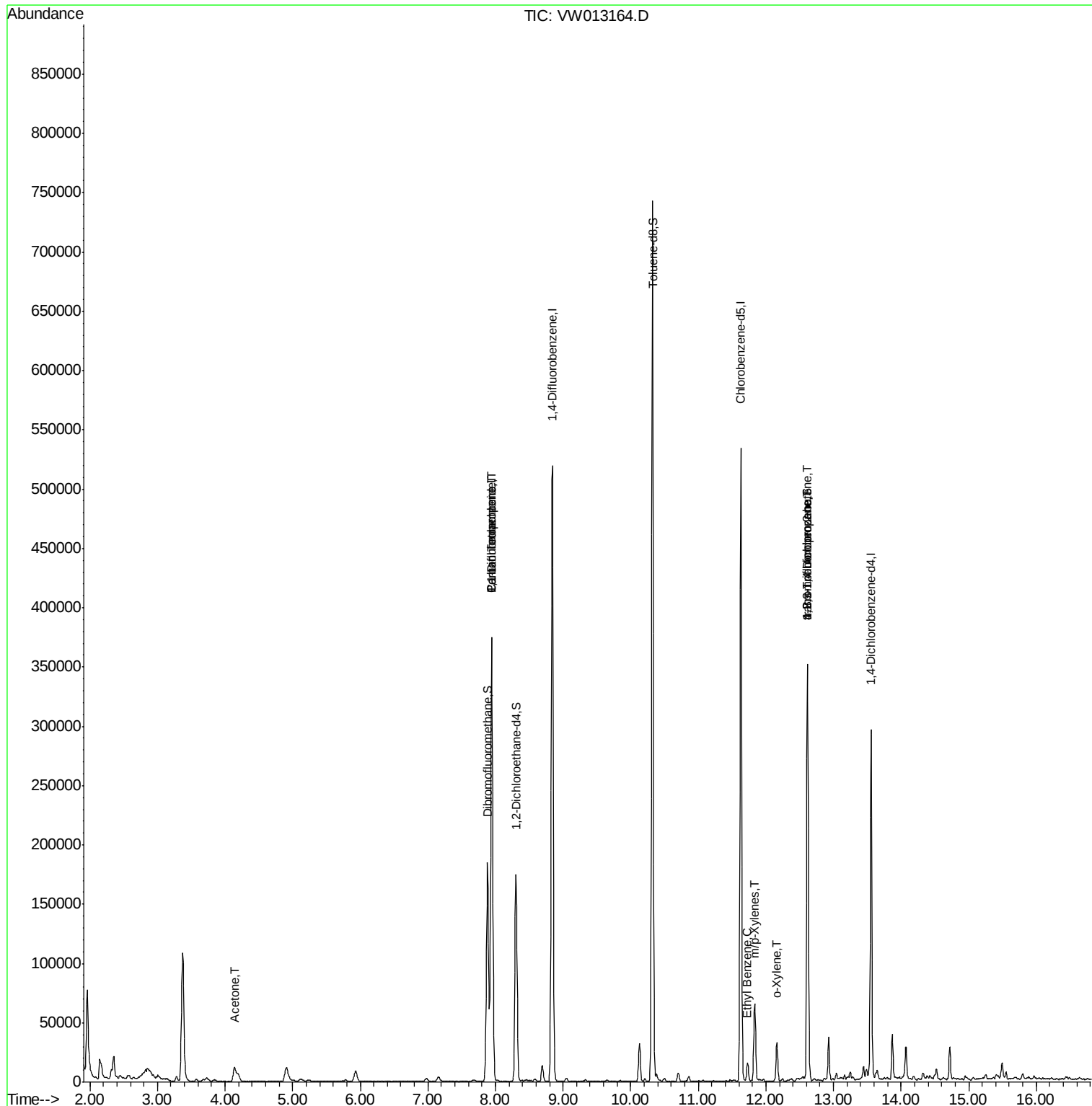
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	23	Below Cal	#	44
3) Chloromethane	2.21	50	182	Below Cal	#	41
11) Tert butyl alcohol	5.20	59	239	Below Cal	#	72
16) Acetone	4.14	43	25075	23.725	ug/l	95
20) Methylene Chloride	4.92	84	10212	Below Cal		88
26) 2,2-Dichloropropane	7.15	77	153	Below Cal	#	55
31) Cyclohexane	7.94	56	5552	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	20193	5.365	ug/l	# 51
38) Carbon Tetrachloride	7.95	117	26393	6.843	ug/l	# 14
67) Ethyl Benzene	11.72	91	10610	1.031	ug/l	92
68) m/p-Xylenes	11.83	106	19289	5.131	ug/l	92
69) o-Xylene	12.16	106	9189	2.607	ug/l	90
76) 1,2,3-Trichloropropane	12.61	75	55361	75.268	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.61	75	55361	170.744	ug/l	# 7

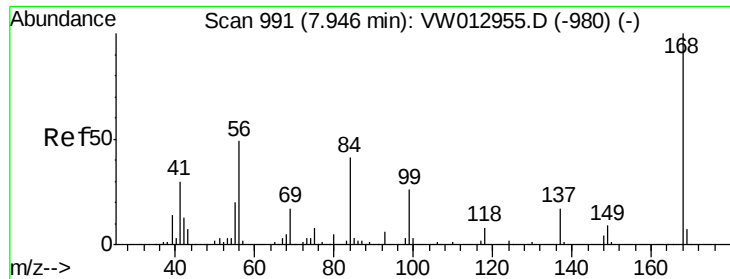
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013164.D

Acq: 19 Sep 2019 16:35

Instrument :

MSVOA_W

ClientSampleId :

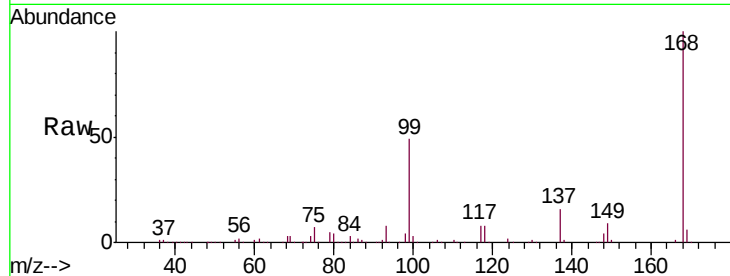
CSA-4-2-0.5RE

Tgt Ion:168 Resp: 302096

Ion Ratio Lower Upper

168 100

99 49.3 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

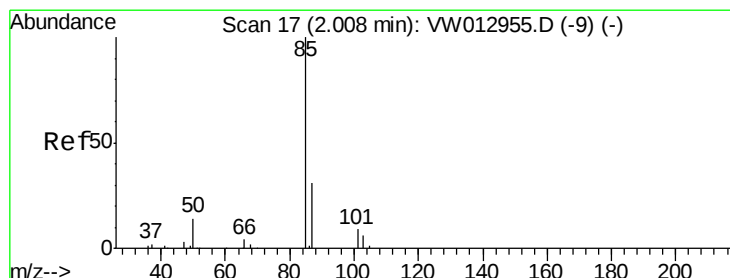
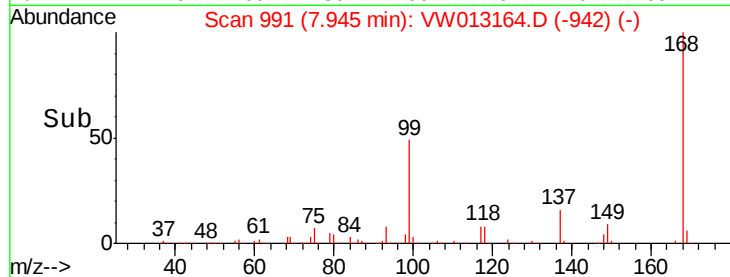
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013164.D

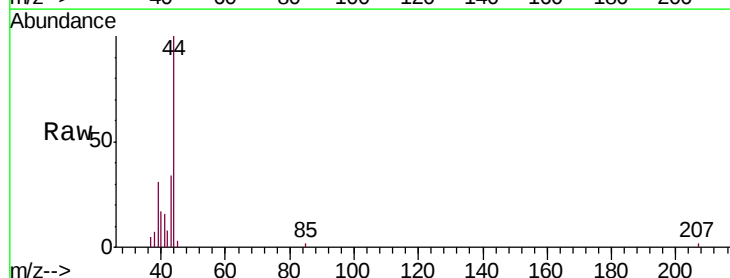
Acq: 19 Sep 2019 16:35

Tgt Ion: 85 Resp: 23

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

2.01

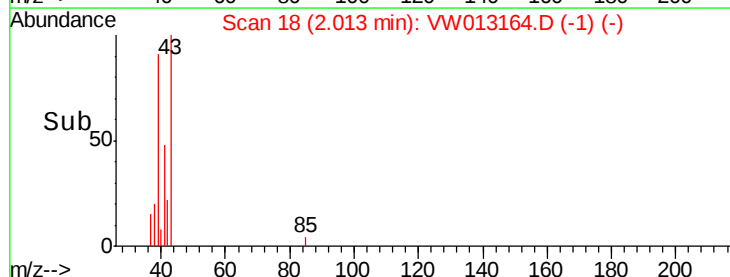
60

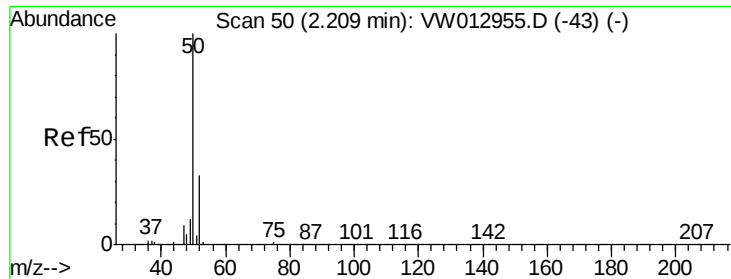
40

20

0

Time--> 1.99 2.00 2.01 2.02 2.03





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013164.D

Acq: 19 Sep 2019 16:35

Instrument :

MSVOA_W

ClientSampleId :

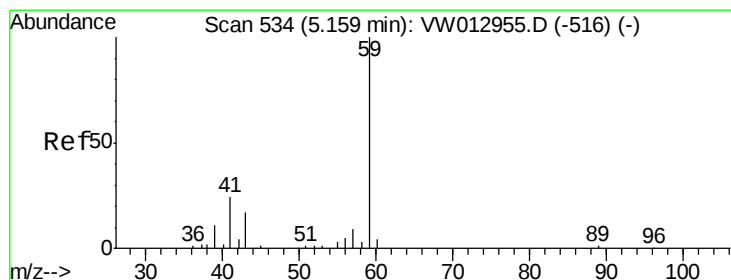
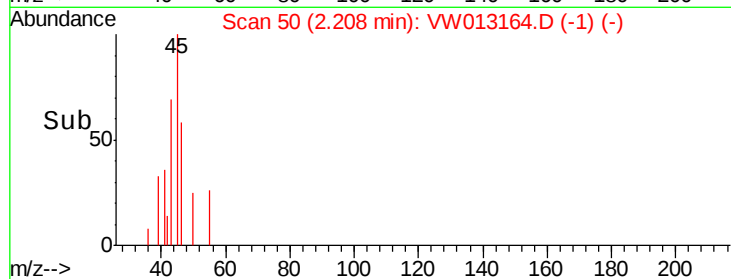
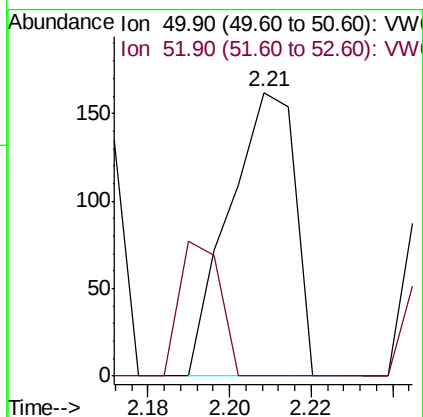
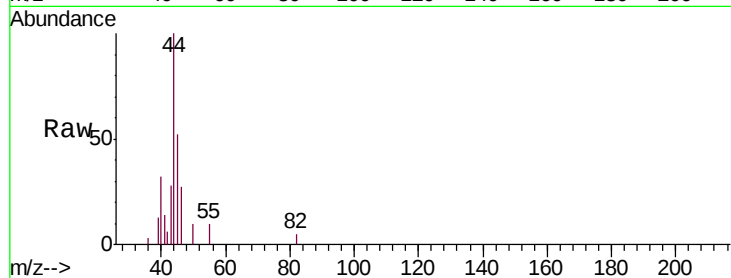
CSA-4-2-0.5RE

Tgt Ion: 50 Resp: 182

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.04 min

Lab File: VW013164.D

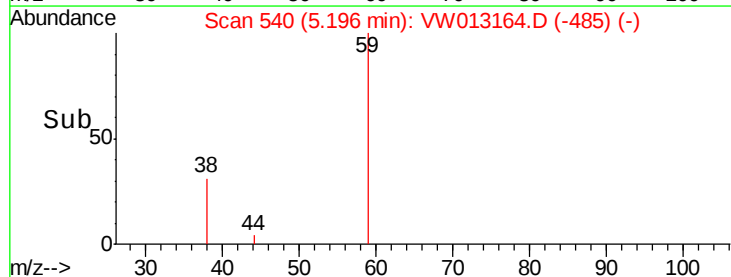
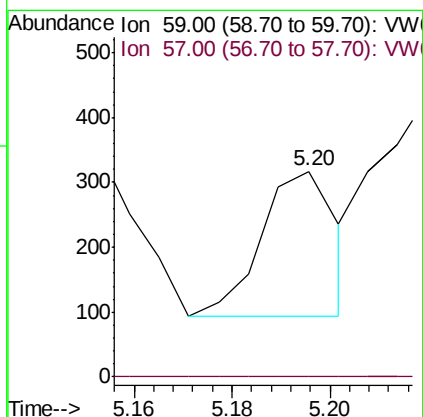
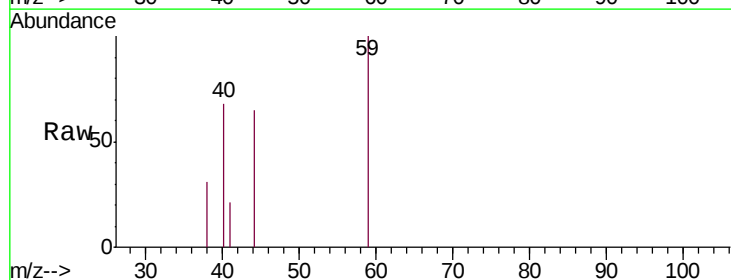
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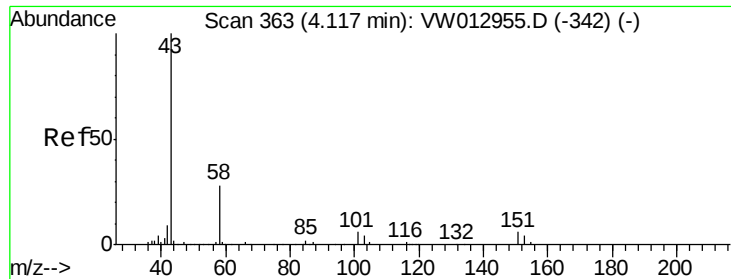
Tgt Ion: 59 Resp: 239

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#16

Acetone

Concen: 23.725 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW013164.D

Acq: 19 Sep 2019 16:35

Instrument :

MSVOA_W

ClientSampleId :

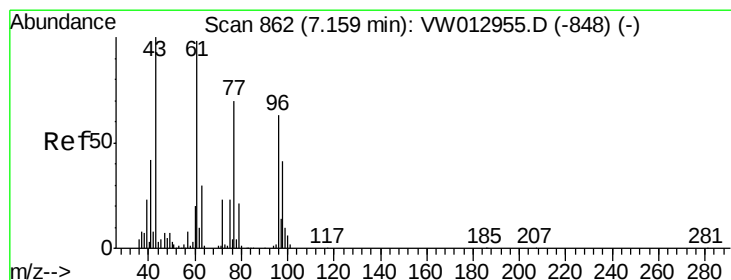
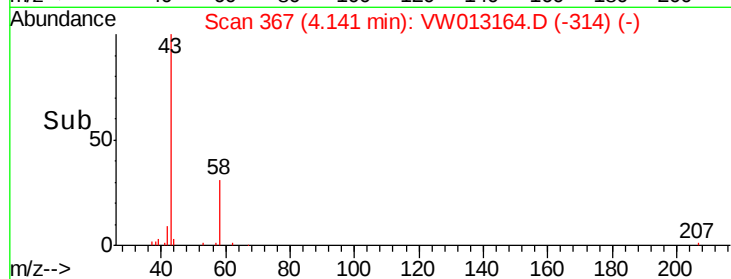
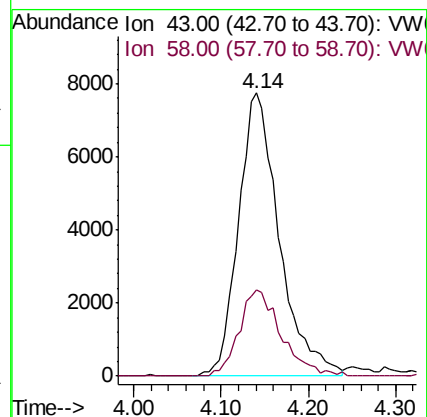
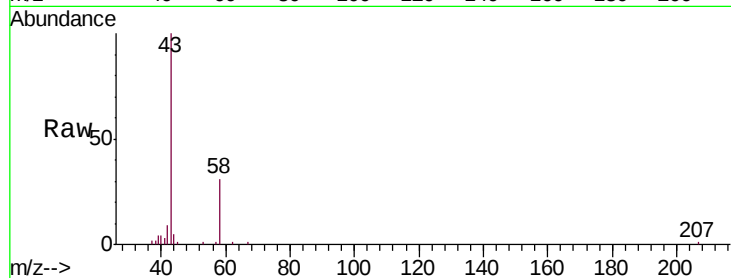
CSA-4-2-0.5RE

Tgt Ion: 43 Resp: 25075

Ion Ratio Lower Upper

43 100

58 30.5 22.3 33.5



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW013164.D

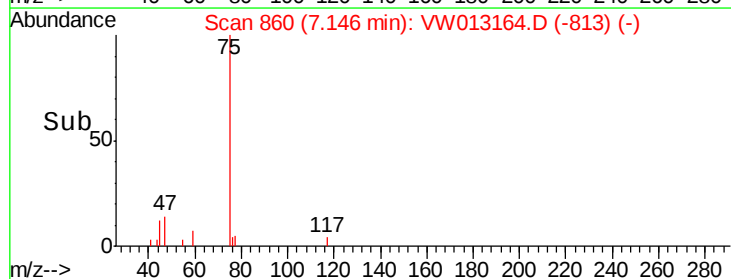
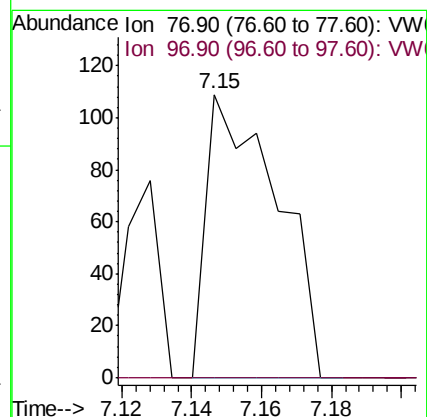
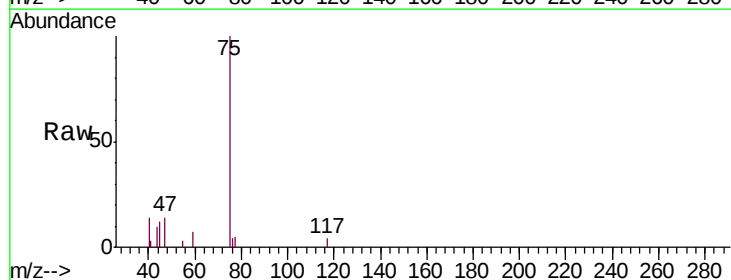
Acq: 19 Sep 2019 16:35

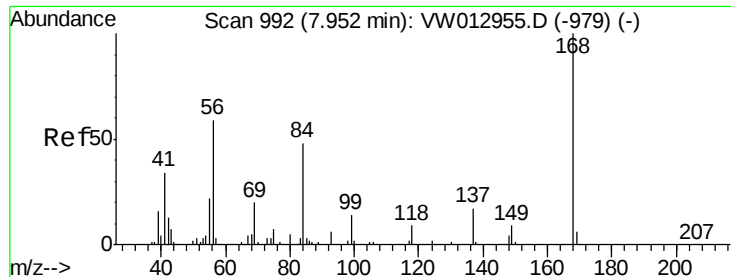
Tgt Ion: 77 Resp: 153

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#

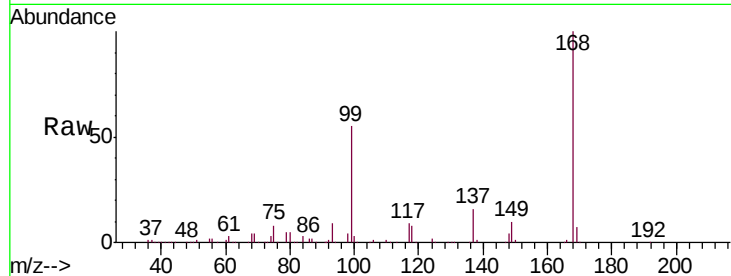




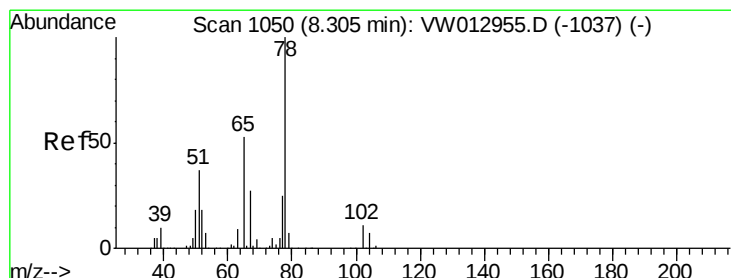
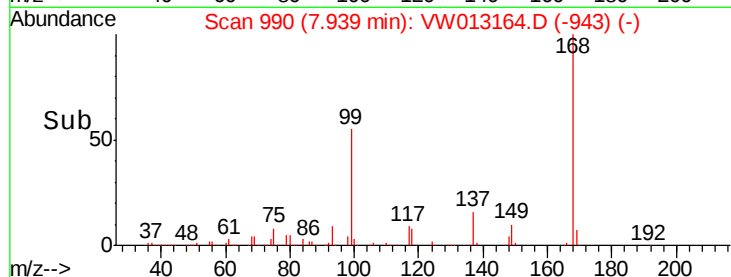
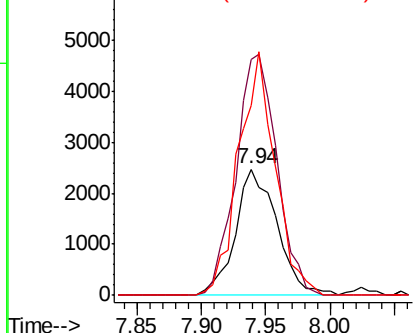
#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013164.D
Acq: 19 Sep 2019 16:35

Instrument :
MSVOA_W
ClientSampleId :
CSA-4-2-0.5RE

Tgt Ion: 56 Resp: 5552
Ion Ratio Lower Upper
56 100
69 187.1 27.0 40.6#
84 150.6 66.2 99.2#

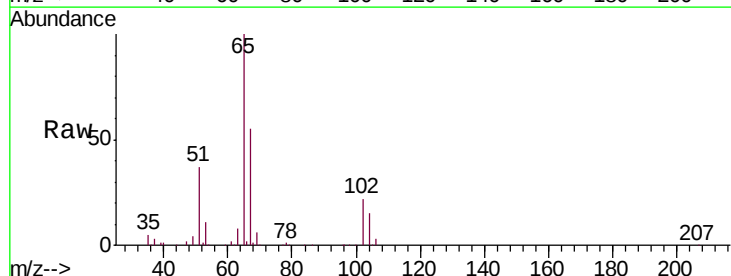


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

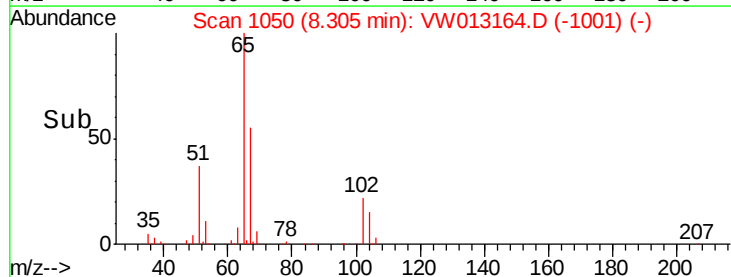
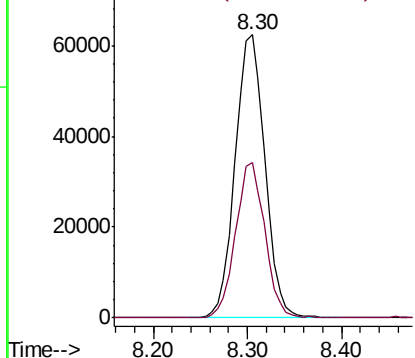


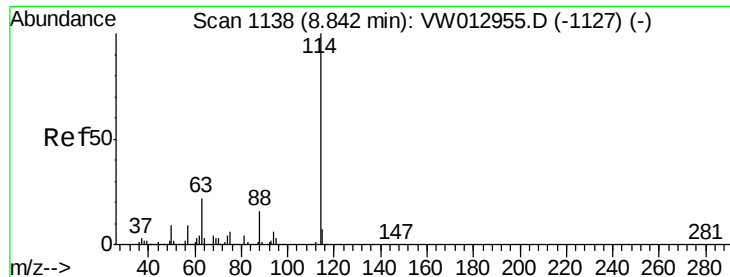
#33
1,2-Dichloroethane-d4
Concen: 49.377 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013164.D
Acq: 19 Sep 2019 16:35

Tgt Ion: 65 Resp: 137765
Ion Ratio Lower Upper
65 100
67 53.7 0.0 101.2



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

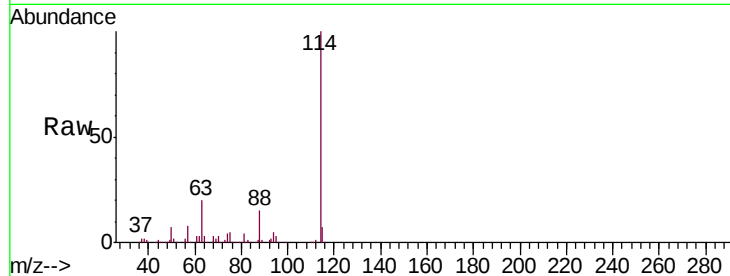




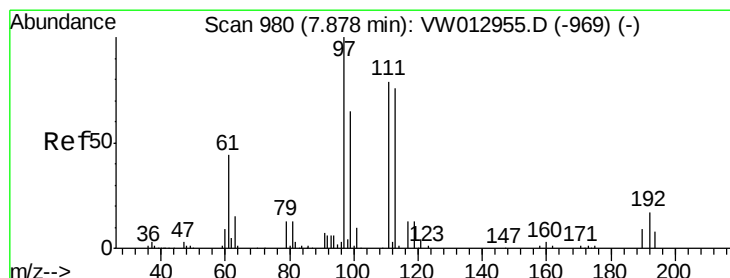
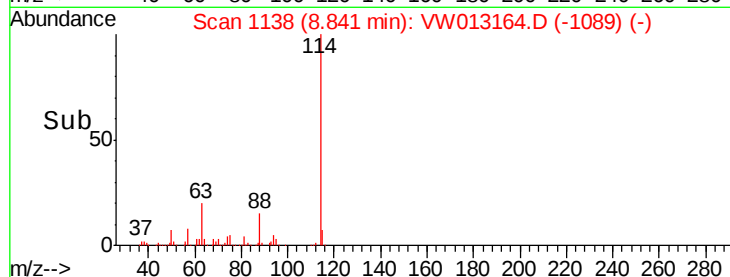
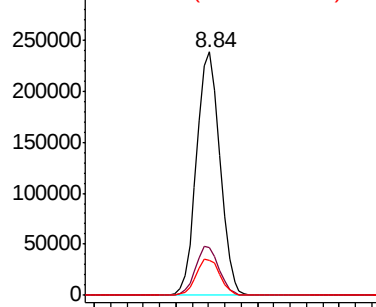
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013164.D
Acq: 19 Sep 2019 16:35

Instrument :
MSVOA_W
ClientSampleId :
CSA-4-2-0.5RE

Tgt Ion:114 Resp: 471011
Ion Ratio Lower Upper
114 100
63 19.8 0.0 43.4
88 14.5 0.0 31.6

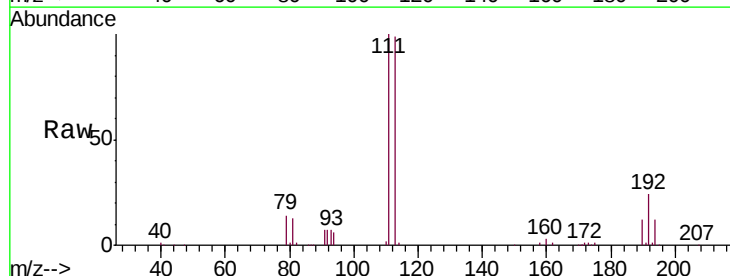


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

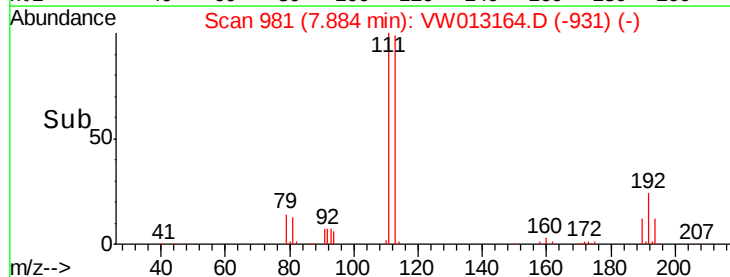
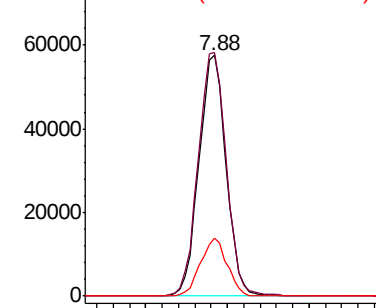


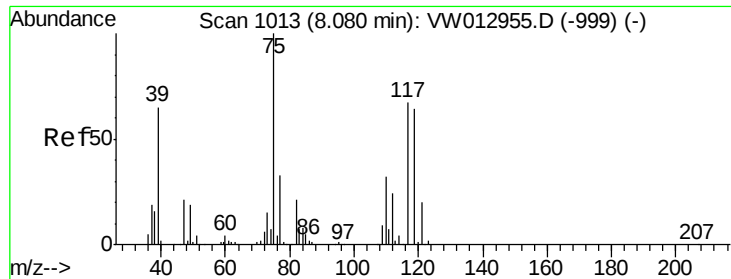
#35
Dibromofluoromethane
Concen: 51.545 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW013164.D
Acq: 19 Sep 2019 16:35

Tgt Ion:113 Resp: 131736
Ion Ratio Lower Upper
113 100
111 104.2 82.8 124.2
192 23.9 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

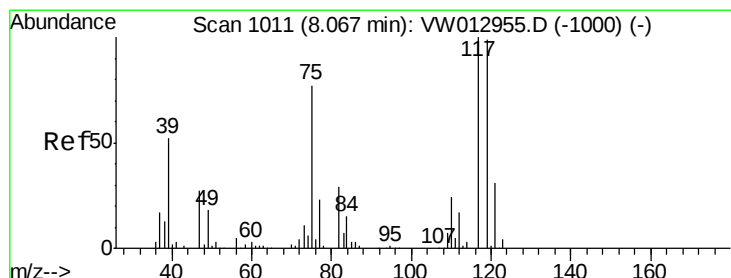
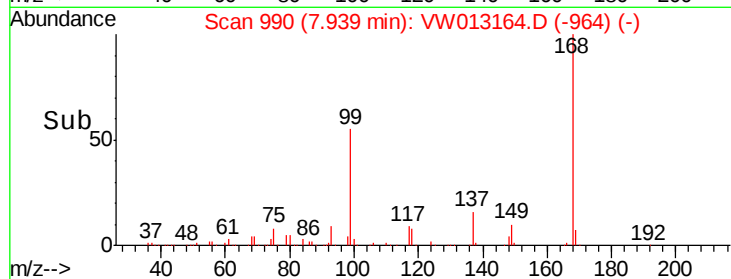
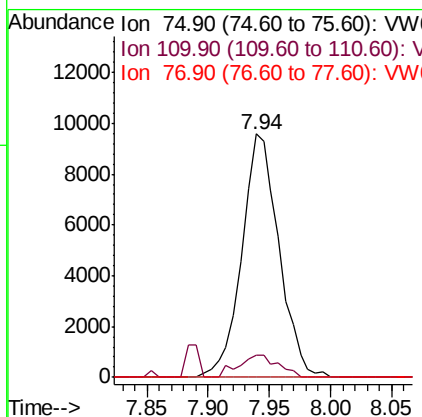
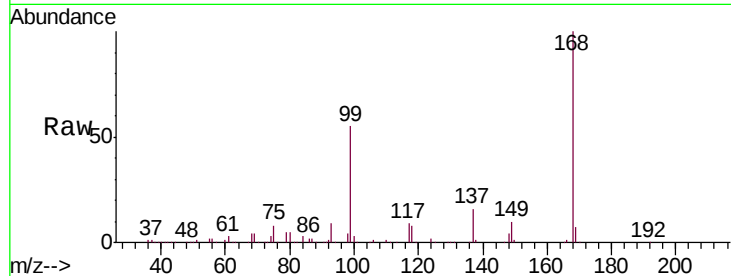




#36
 1,1-Dichloropropene
 Concen: 5.365 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013164.D
 Acq: 19 Sep 2019 16:35

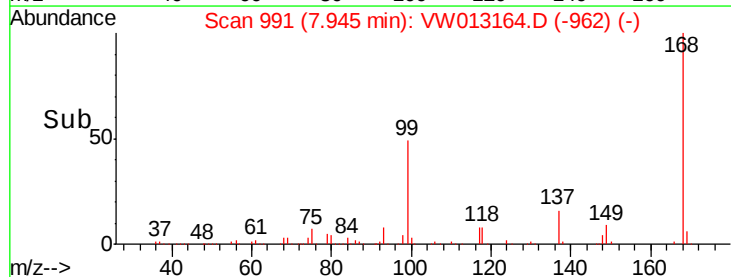
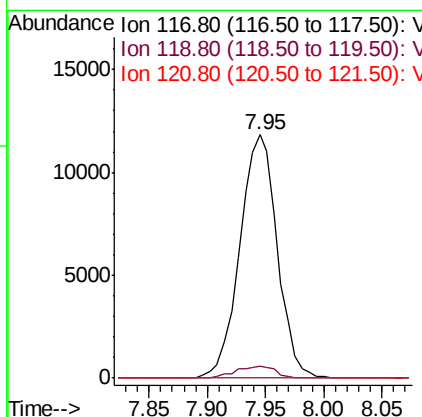
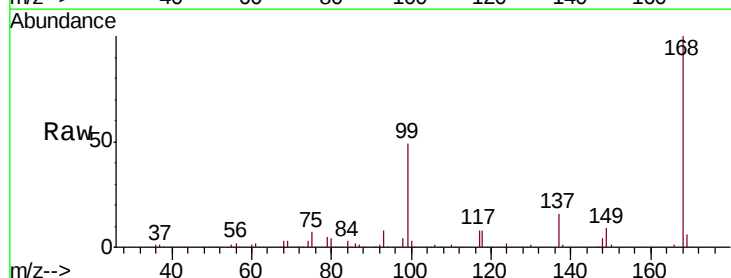
Instrument :
 MSVOA_W
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 CSA-4-2-0.5RE

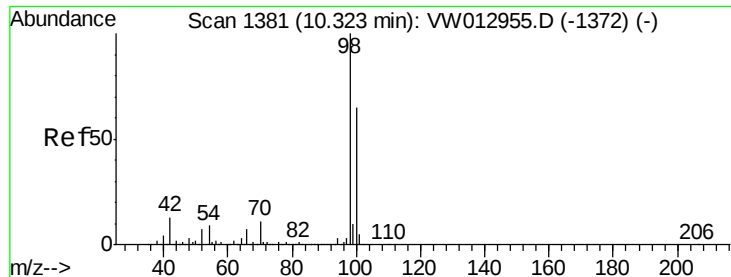
Tgt Ion: 75 Resp: 20193
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.843 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013164.D
 Acq: 19 Sep 2019 16:35

Tgt Ion: 117 Resp: 26393
 Ion Ratio Lower Upper
 117 100
 119 4.8 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 49.293 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013164.D

Acq: 19 Sep 2019 16:35

Instrument :

MSVOA_W

ClientSampleId :

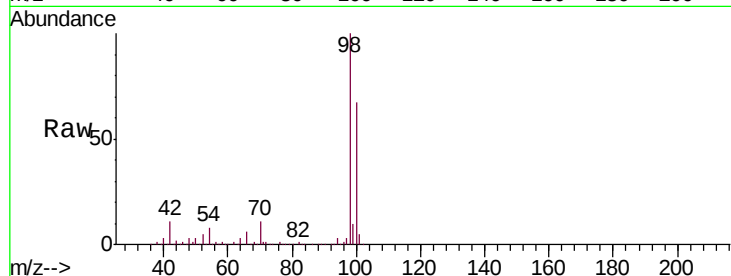
CSA-4-2-0.5RE

Tgt Ion: 98 Resp: 492977

Ion Ratio Lower Upper

98 100

100 66.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

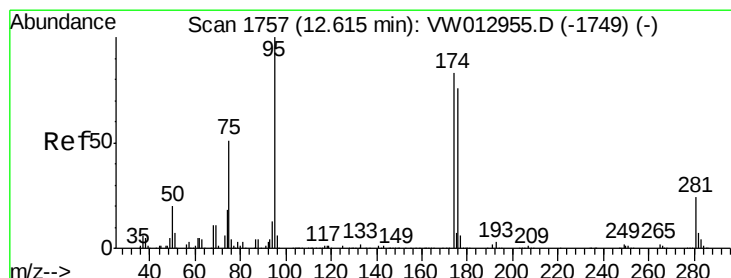
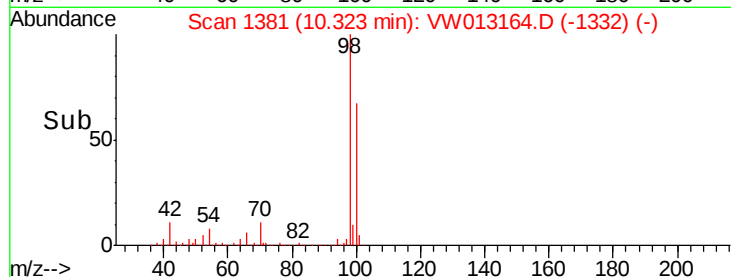
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 30.956 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013164.D

Acq: 19 Sep 2019 16:35

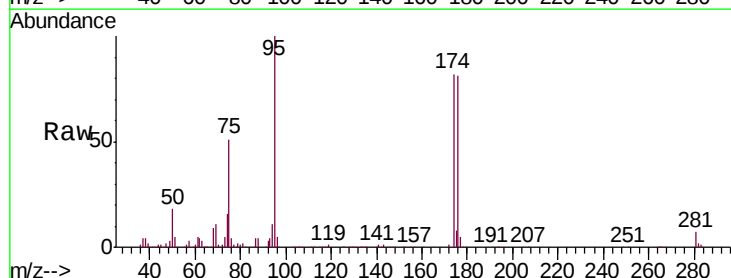
Tgt Ion: 95 Resp: 111322

Ion Ratio Lower Upper

95 100

174 88.3 0.0 170.4

176 86.3 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

12.61

80000

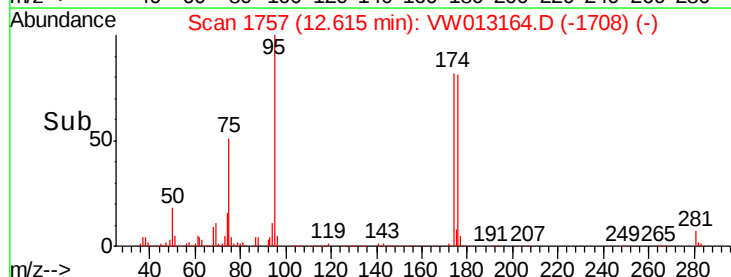
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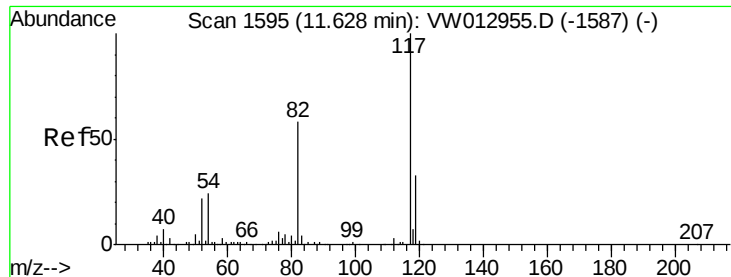
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Time-->

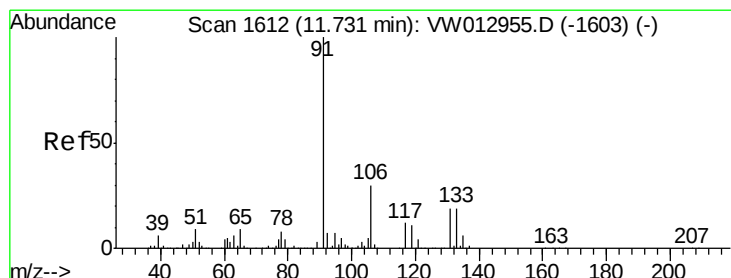
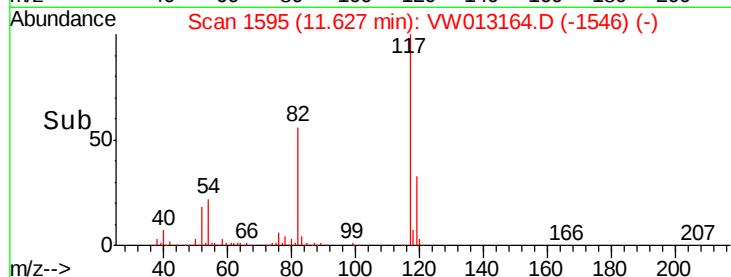
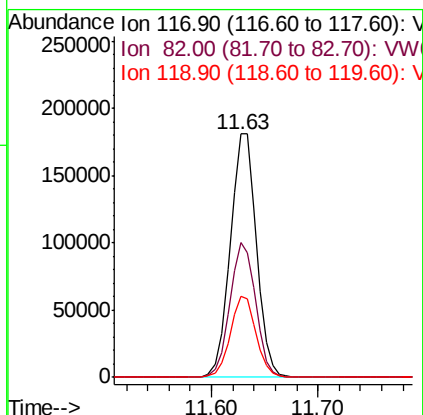
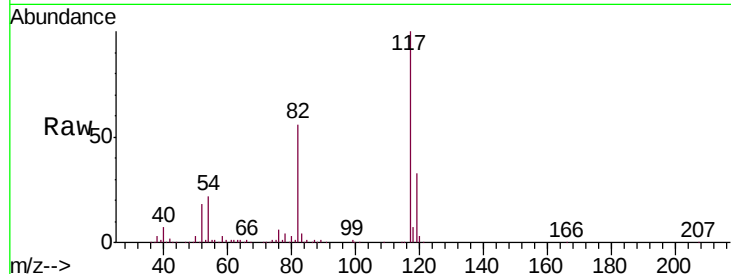




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013164.D
Acq: 19 Sep 2019 16:35

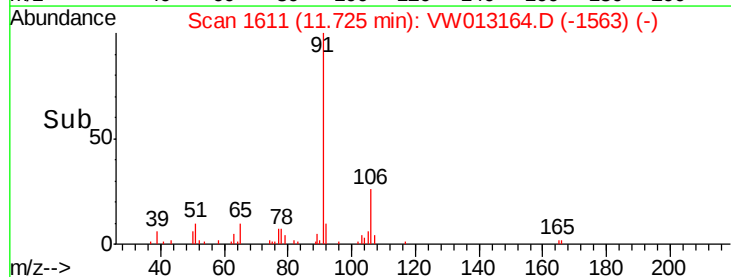
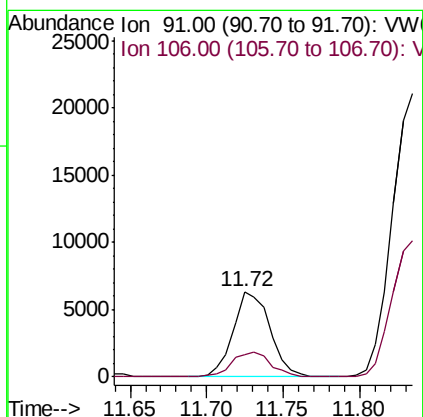
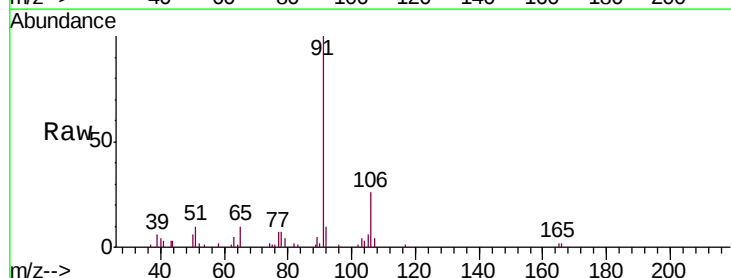
Instrument :
MSVOA_W
ClientSampleId :
CSA-4-2-0.5RE

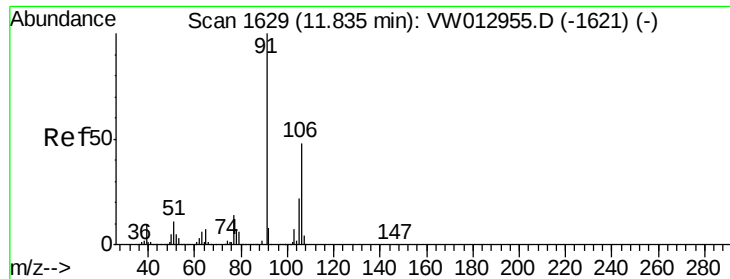
Tgt Ion: 117 Resp: 312785
Ion Ratio Lower Upper
117 100
82 55.6 46.3 69.5
119 33.2 26.2 39.4



#67
Ethyl Benzene
Concen: 1.031 ug/l
RT: 11.72 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013164.D
Acq: 19 Sep 2019 16:35

Tgt Ion: 91 Resp: 10610
Ion Ratio Lower Upper
91 100
106 26.2 24.3 36.5

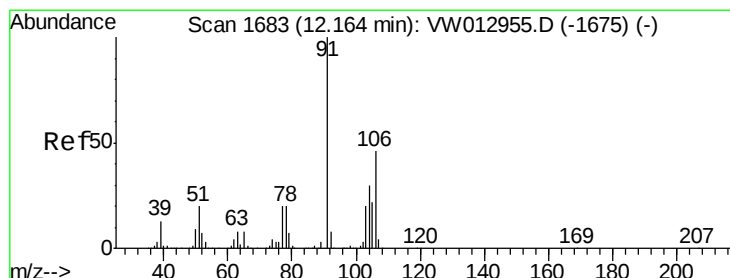
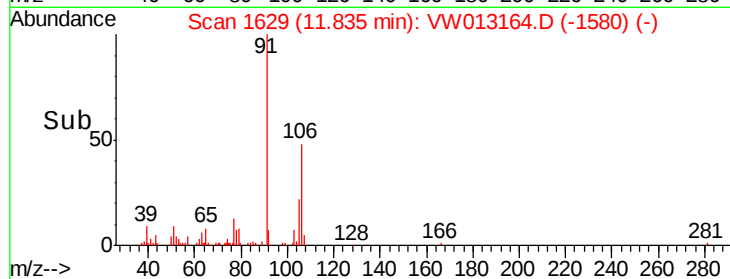
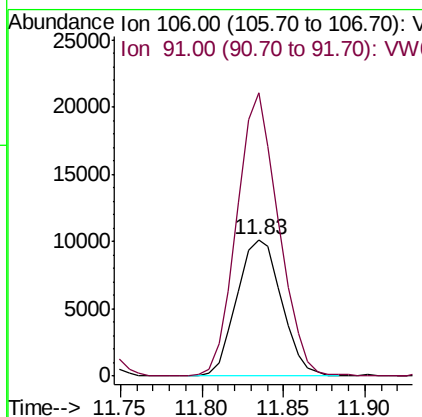
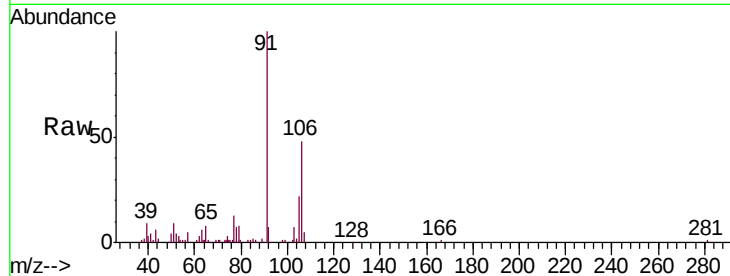




#68
m/p-Xylenes
Concen: 5.131 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013164.D
Acq: 19 Sep 2019 16:35

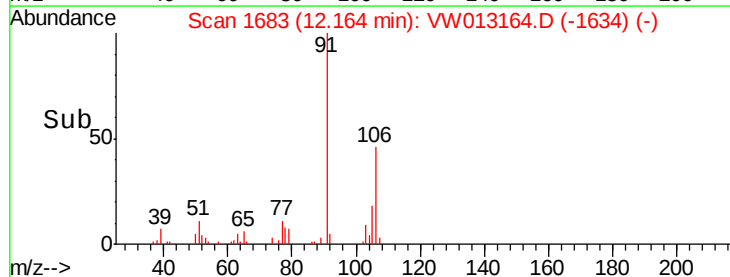
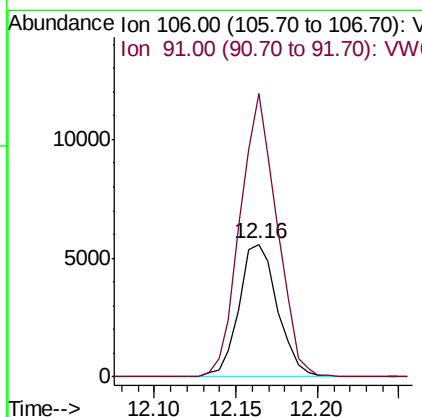
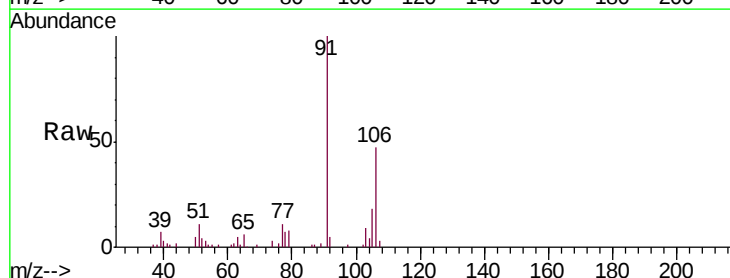
Instrument :
MSVOA_W
ClientSampleId :
CSA-4-2-0.5RE

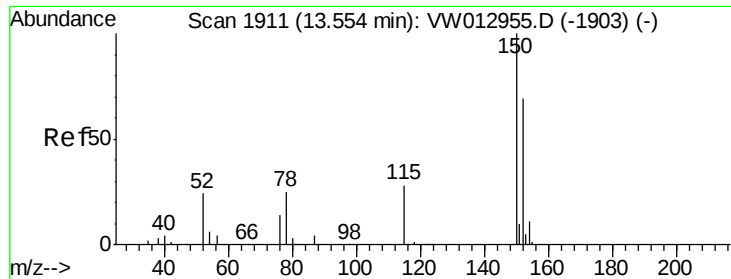
Tgt Ion:106 Resp: 19289
Ion Ratio Lower Upper
106 100
91 195.0 165.8 248.8



#69
o-Xylene
Concen: 2.607 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013164.D
Acq: 19 Sep 2019 16:35

Tgt Ion:106 Resp: 9189
Ion Ratio Lower Upper
106 100
91 203.7 109.7 329.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013164.D

Acq: 19 Sep 2019 16:35

Instrument :

MSVOA_W

ClientSampleId :

CSA-4-2-0.5RE

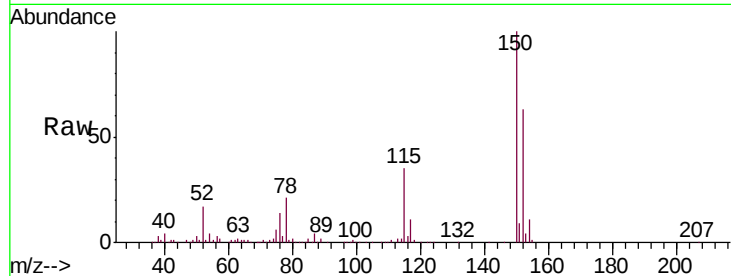
Tgt Ion: 152 Resp: 83971

Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.4

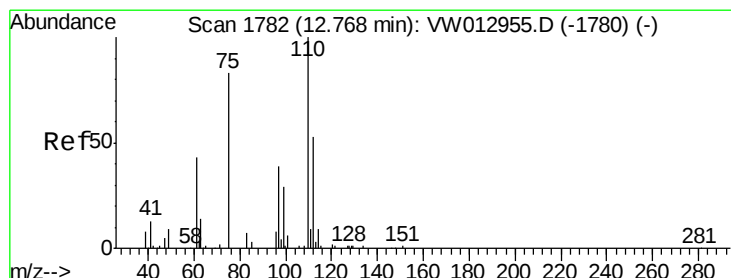
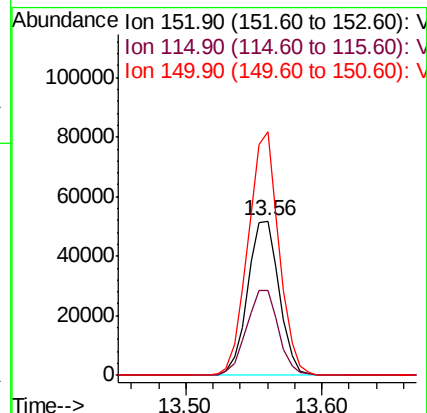
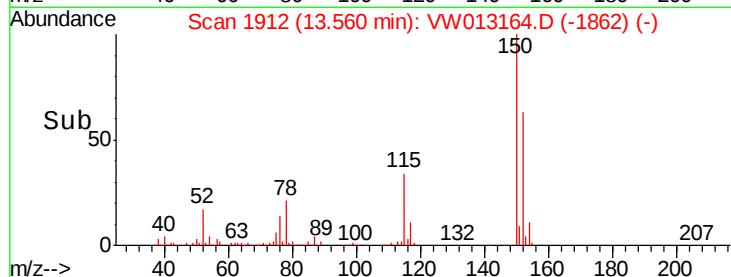
150 154.1 0.0 340.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 75.268 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013164.D

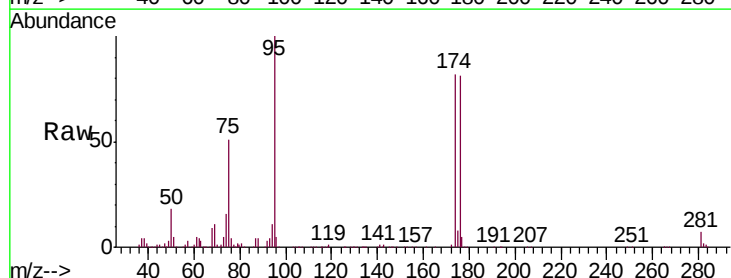
Acq: 19 Sep 2019 16:35

Tgt Ion: 75 Resp: 55361

Ion Ratio Lower Upper

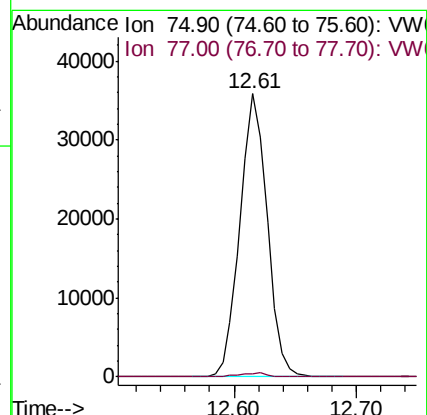
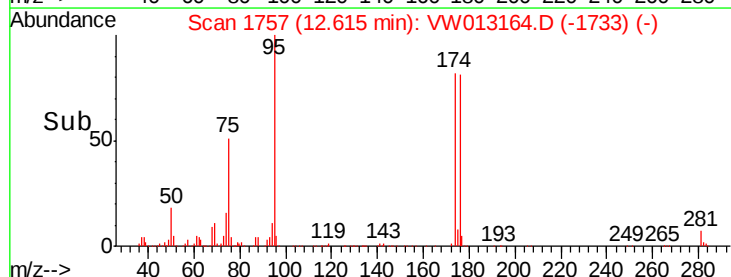
75 100

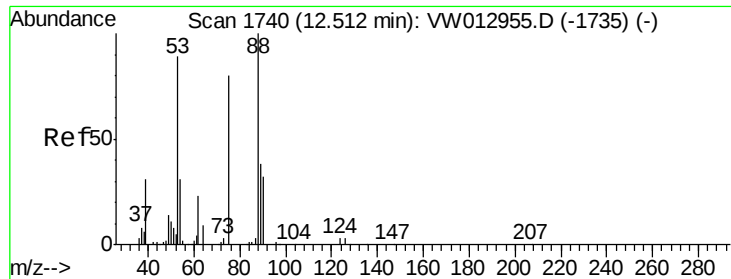
77 1.4 0.0 0.0#



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: 170.744 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013164.D

Acq: 19 Sep 2019 16:35

Instrument :

MSVOA_W

ClientSampleId :

CSA-4-2-0.5RE

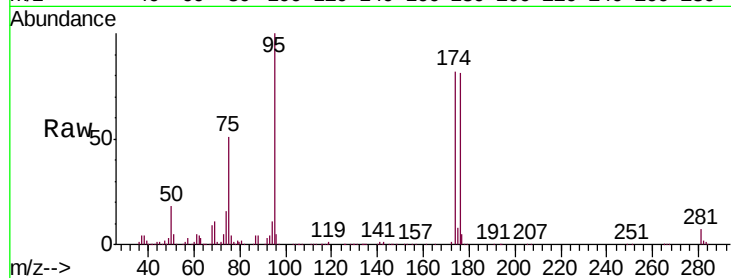
Tgt Ion: 75 Resp: 55361

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

