

Data File : VW013144.D
Acq On : 19 Sep 2019 06:15
Operator : SY/VA
Sample : K4825-03
Misc : 7.21G/5ML/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

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

Quant Time: Sep 19 08:05:37 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	402419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	603608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	481004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	182838	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	166664	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	
35) Dibromofluoromethane	7.88	113	167714	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	10.32	98	691487	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
62) 4-Bromofluorobenzene	12.62	95	198641	43.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.20%	

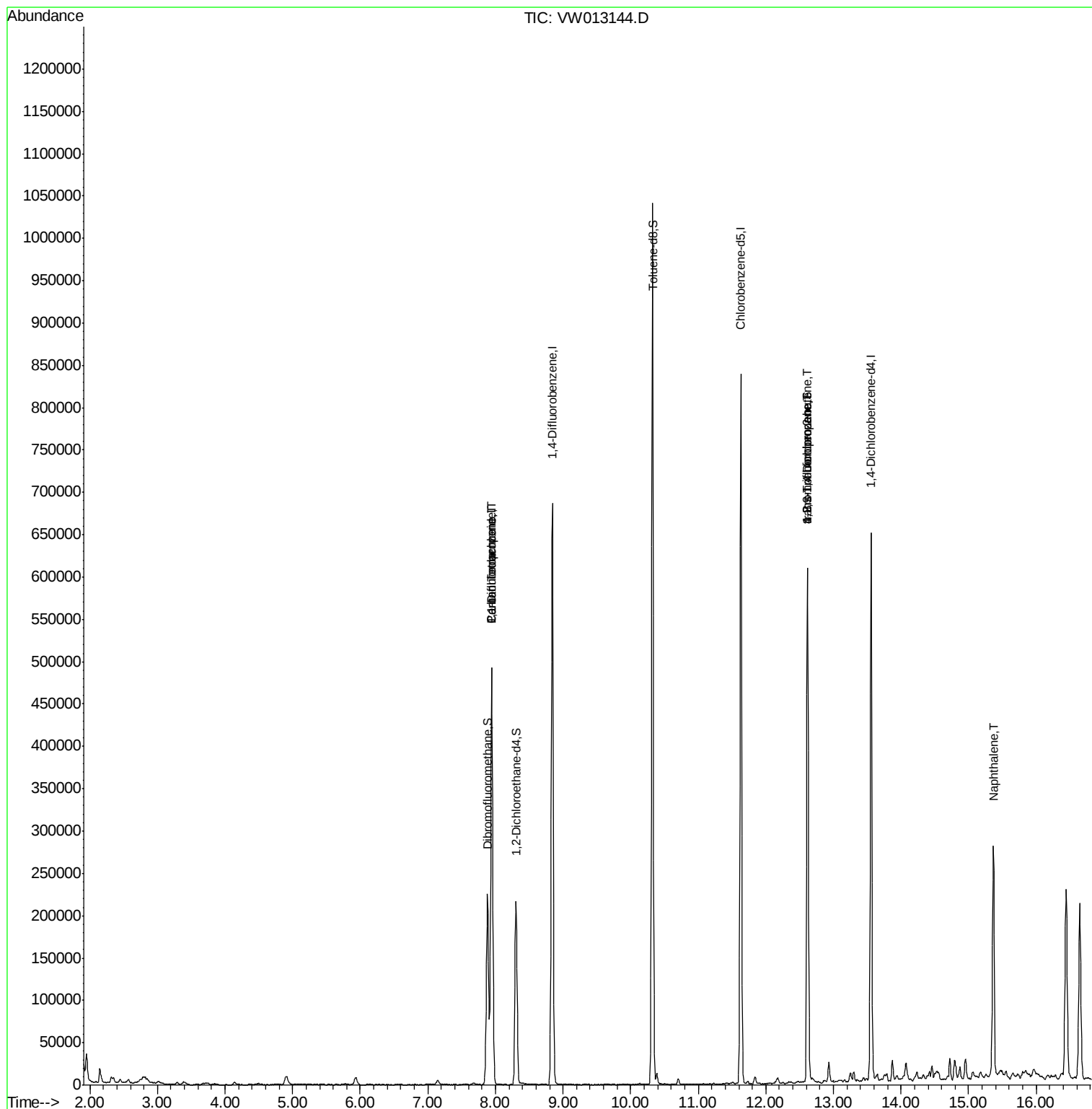
Target Compounds			Qvalue			
3) Chloromethane	2.20	50	231	Below Cal	#	42
11) Tert butyl alcohol	5.13	59	1291	Below Cal	#	72
16) Acetone	4.14	43	4631	Below Cal	#	88
20) Methylene Chloride	4.91	84	7947	Below Cal		95
26) 2,2-Dichloropropane	7.14	77	266	Below Cal	#	55
31) Cyclohexane	7.95	56	7220	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	27367	5.674	ug/l #	51
38) Carbon Tetrachloride	7.95	117	35168	7.115	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	94749	59.162	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	94749	134.208	ug/l #	7
95) Naphthalene	15.36	128	243517	42.046	ug/l	99

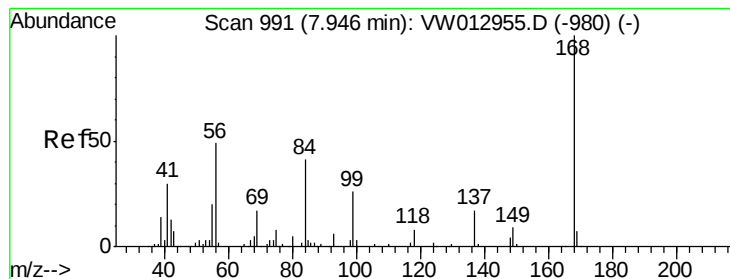
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013144.D

Acq: 19 Sep 2019 06:15

Instrument :

MSVOA_W

ClientSampleId :

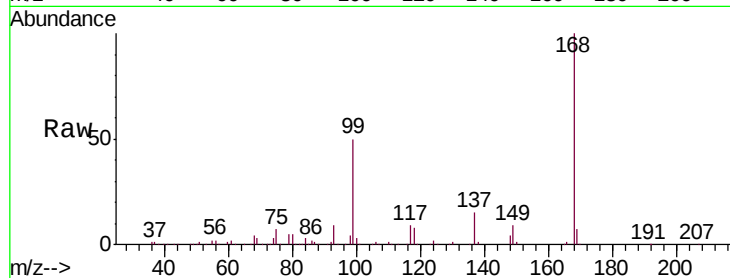
CSA-3-2-3

Tgt Ion:168 Resp: 402419

Ion Ratio Lower Upper

168 100

99 49.9 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

200000

150000

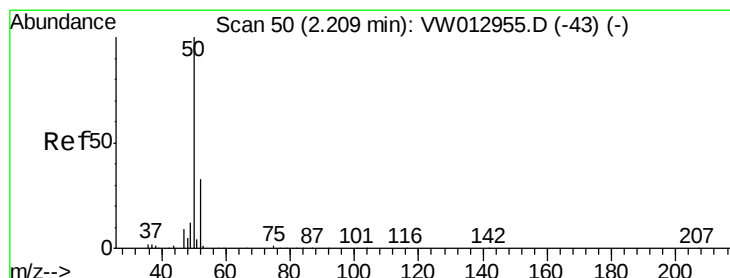
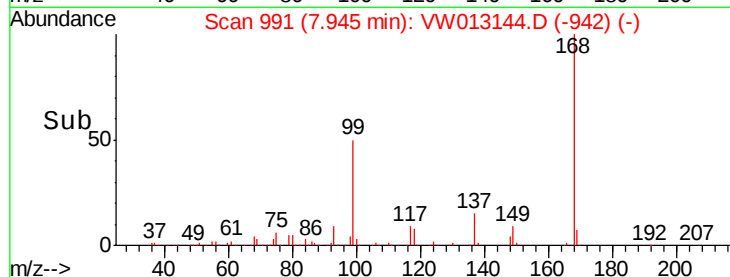
100000

50000

0

7.90 8.00

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VW013144.D

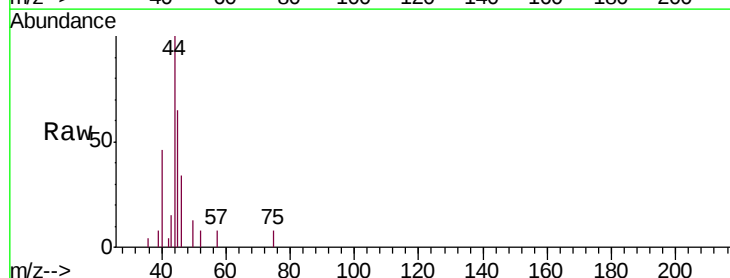
Acq: 19 Sep 2019 06:15

Tgt Ion: 50 Resp: 231

Ion Ratio Lower Upper

50 100

52 65.9 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

150

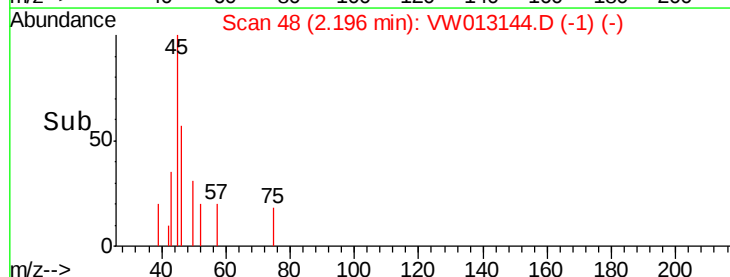
100

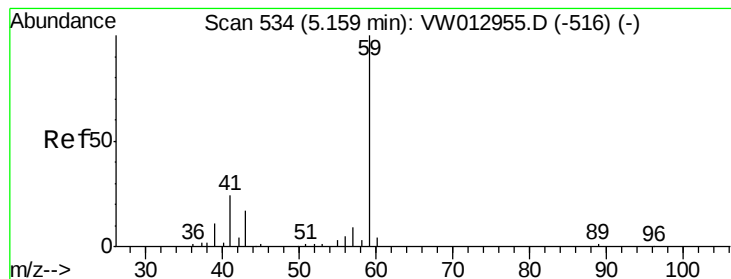
50

0

2.20 2.25

Time-->



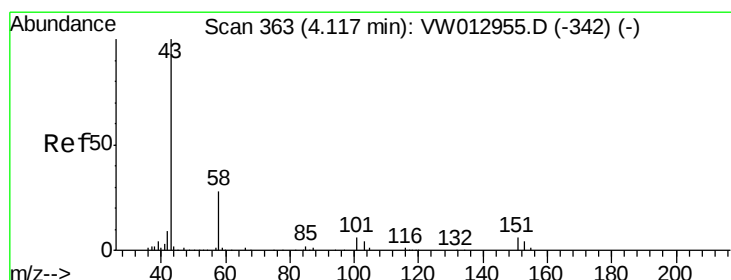
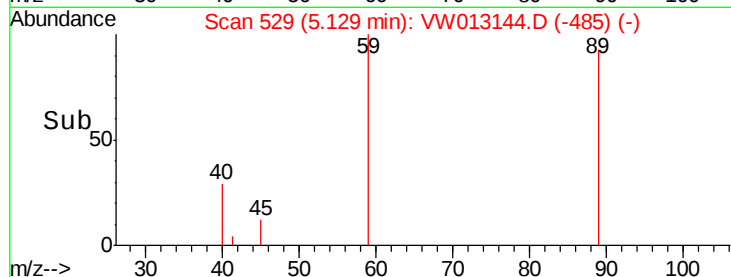
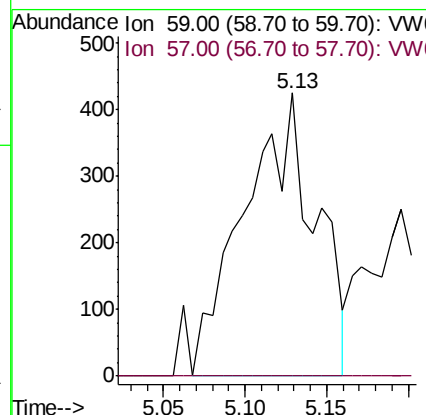
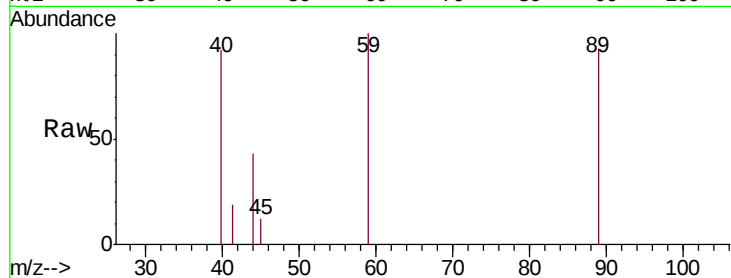


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.13 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VW013144.D
 Acq: 19 Sep 2019 06:15

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

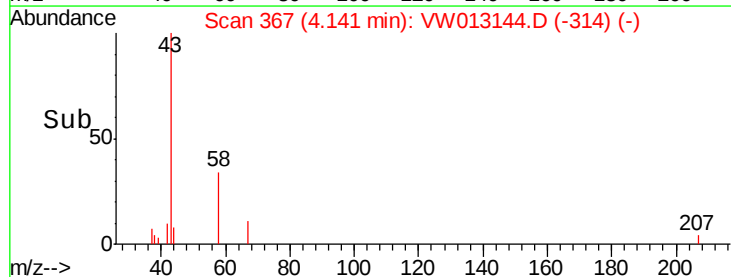
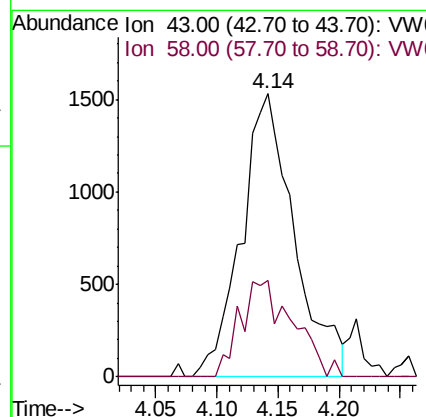
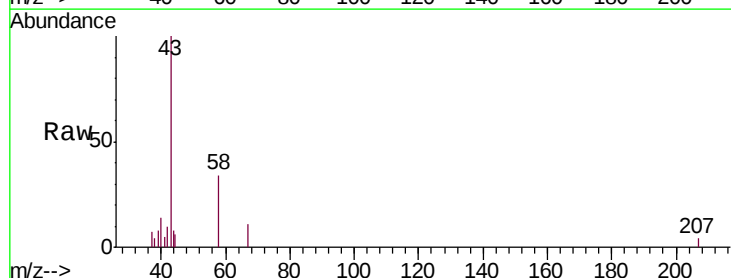
Tgt Ion: 59 Resp: 1291
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

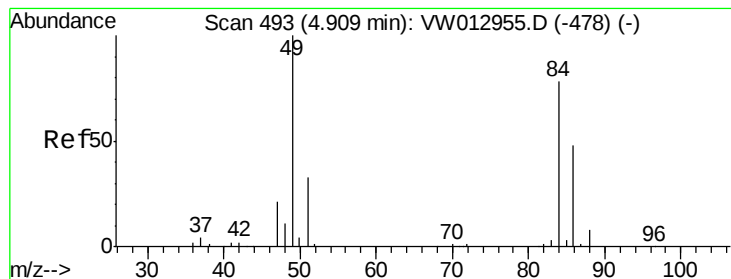


#16

Acetone
 Concen: Below Cal
 RT: 4.14 min Scan# 367
 Delta R.T. 0.03 min
 Lab File: VW013144.D
 Acq: 19 Sep 2019 06:15

Tgt Ion: 43 Resp: 4631
 Ion Ratio Lower Upper
 43 100
 58 34.3 22.3 33.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013144.D

Acq: 19 Sep 2019 06:15

Instrument :

MSVOA_W

ClientSampleId :

CSA-3-2-3

Tgt Ion: 84 Resp: 7947

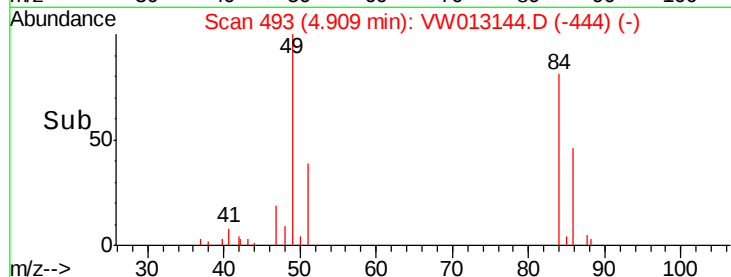
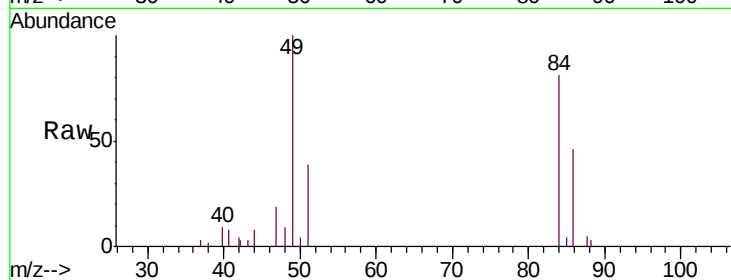
Ion Ratio Lower Upper

84 100

49 123.5 102.0 153.0

51 48.0 34.0 51.0

86 56.9 48.5 72.7

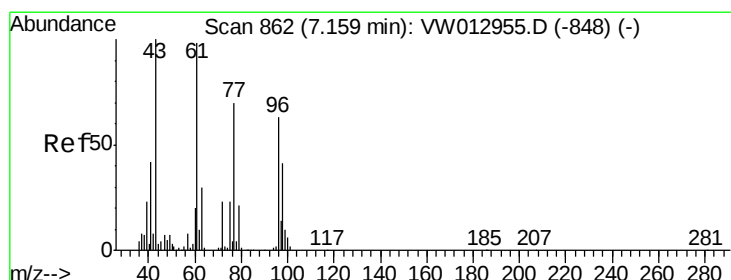
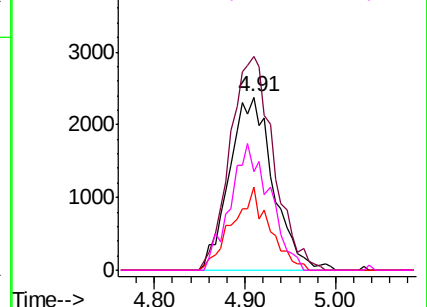


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013144.D

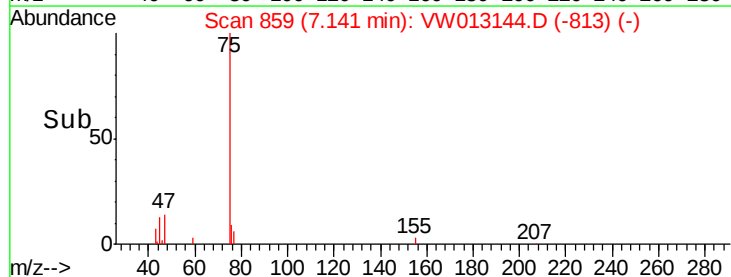
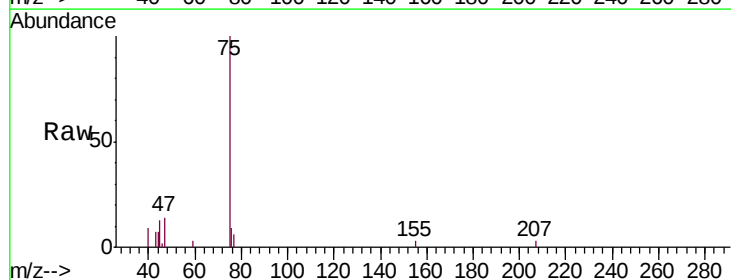
Acq: 19 Sep 2019 06:15

Tgt Ion: 77 Resp: 266

Ion Ratio Lower Upper

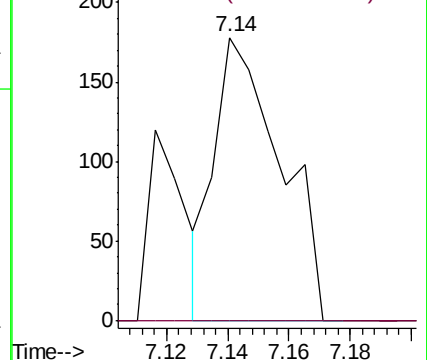
77 100

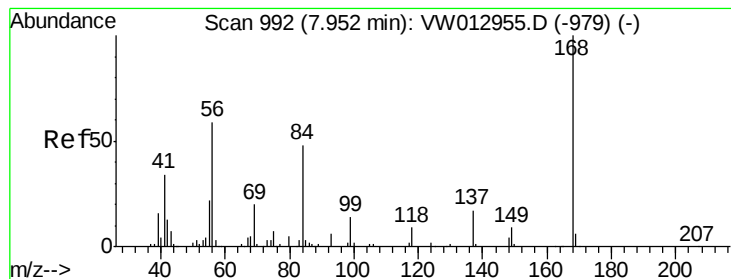
97 0.0 10.7 32.1#



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: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013144.D

Acq: 19 Sep 2019 06:15

Instrument :

MSVOA_W

ClientSampleId :

CSA-3-2-3

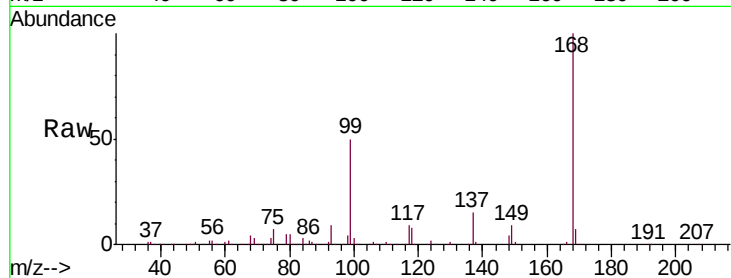
Tgt Ion: 56 Resp: 7220

Ion Ratio Lower Upper

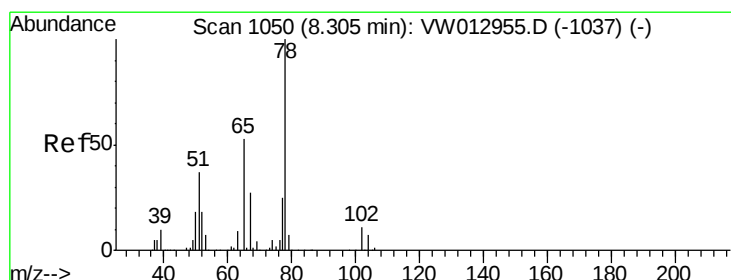
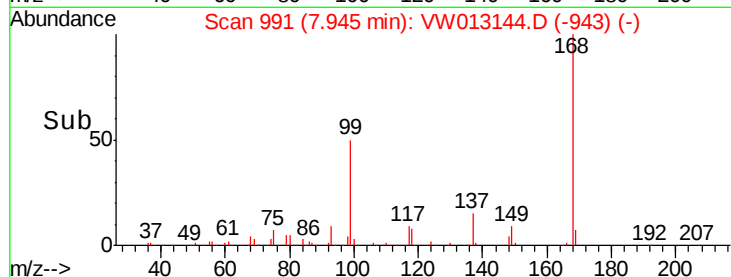
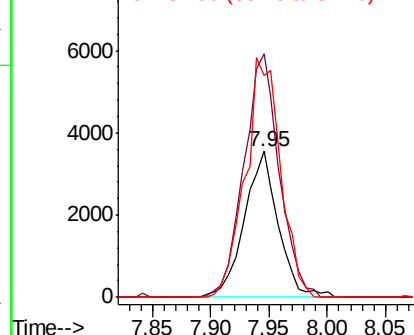
56 100

69 166.6 27.0 40.6#

84 151.5 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: 44.843 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013144.D

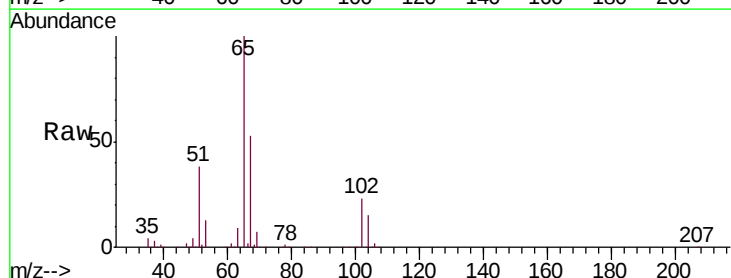
Acq: 19 Sep 2019 06:15

Tgt Ion: 65 Resp: 166664

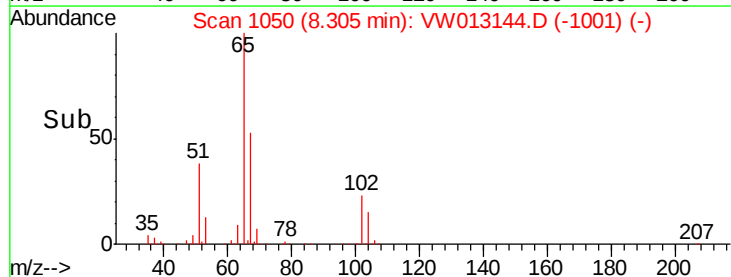
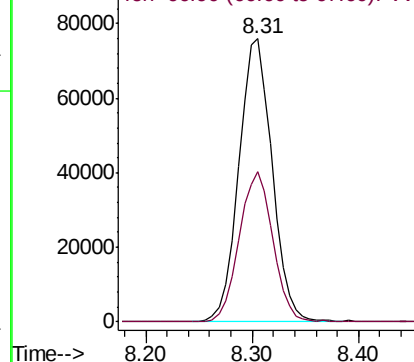
Ion Ratio Lower Upper

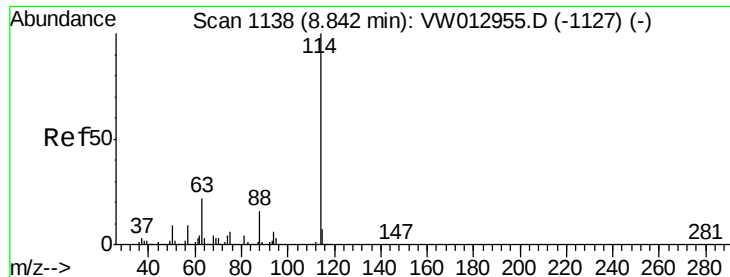
65 100

67 53.9 0.0 101.2



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

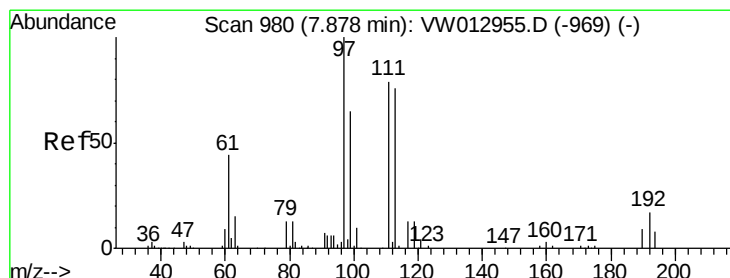
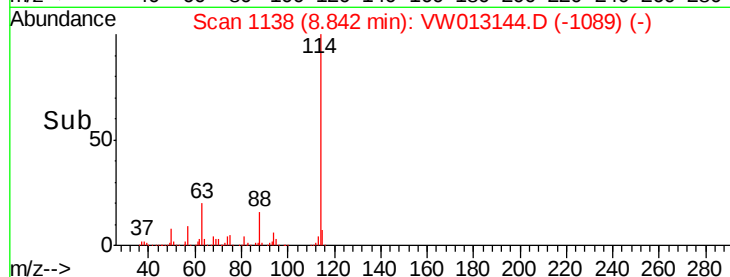
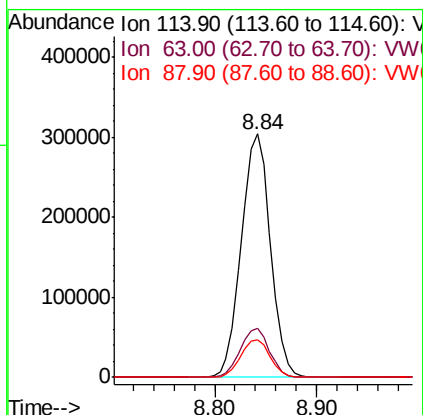
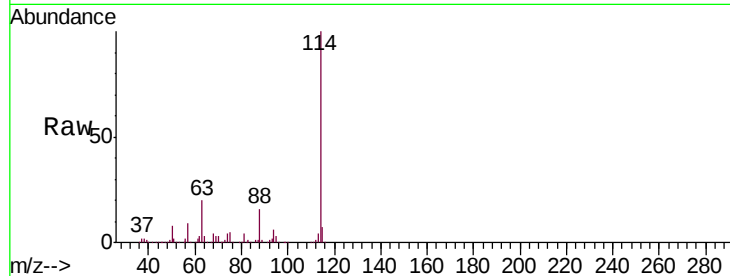




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013144.D
 Acq: 19 Sep 2019 06:15

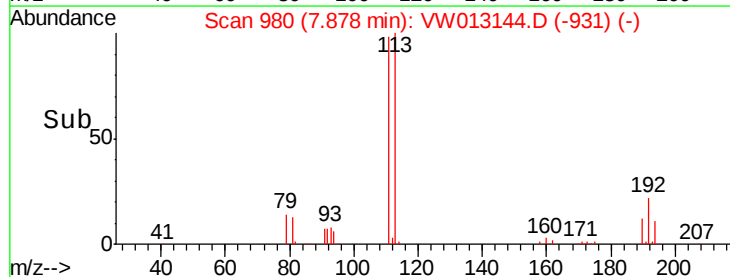
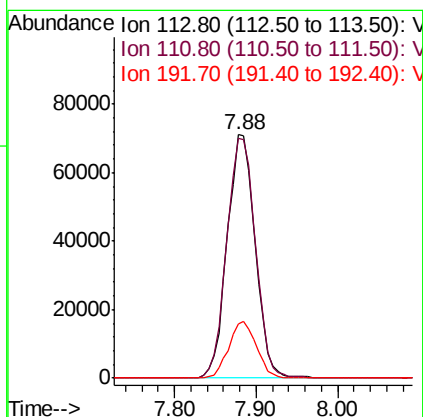
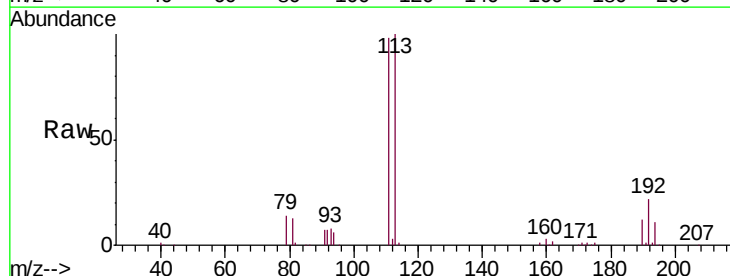
Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-3-2-3

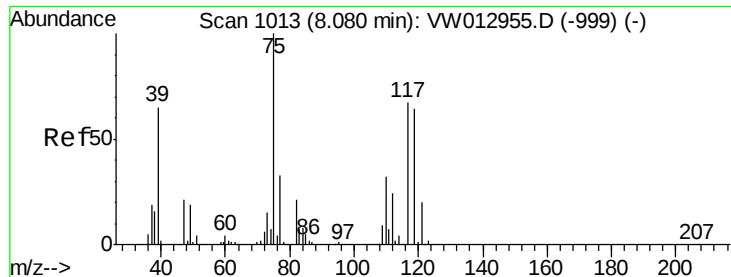
Tgt Ion:114 Resp: 603608
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 43.4
 88 15.6 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 51.207 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013144.D
 Acq: 19 Sep 2019 06:15

Tgt Ion:113 Resp: 167714
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.8 124.2
 192 23.0 17.8 26.8

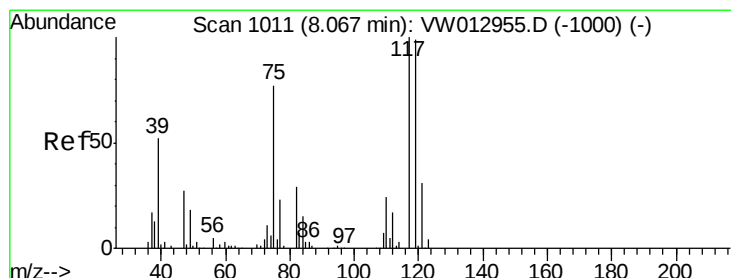
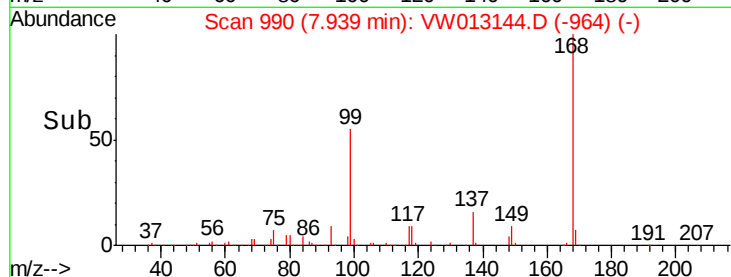
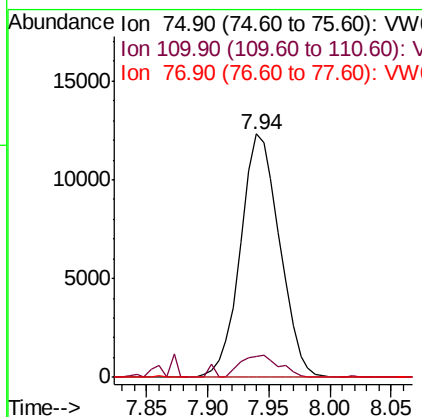
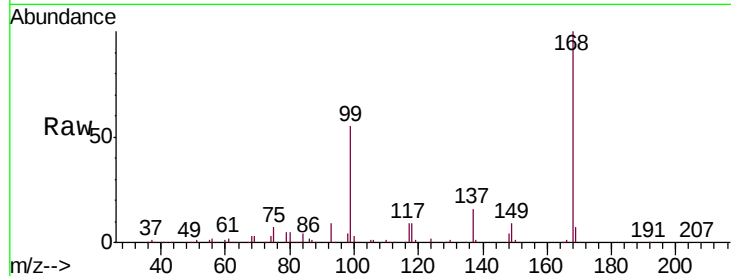




#36
 1,1-Dichloropropene
 Concen: 5.674 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013144.D
 Acq: 19 Sep 2019 06:15

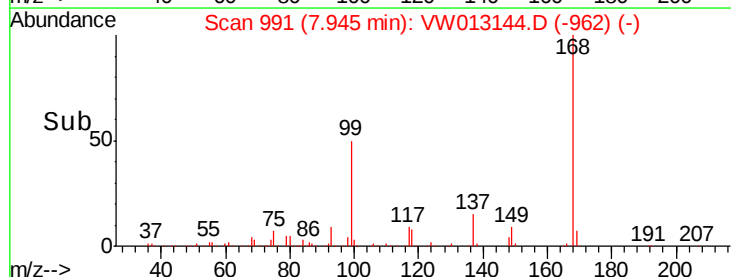
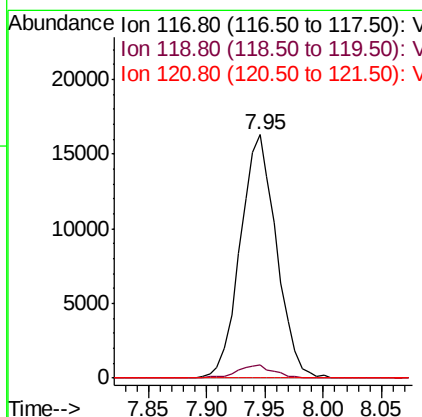
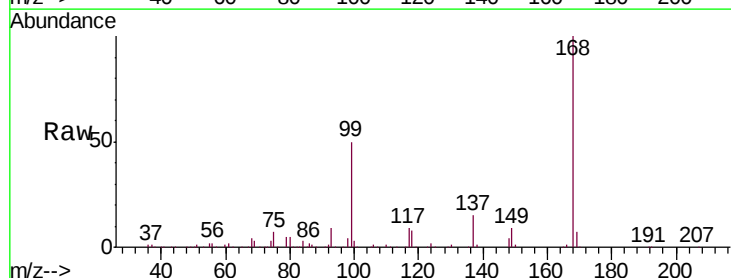
Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-3-2-3

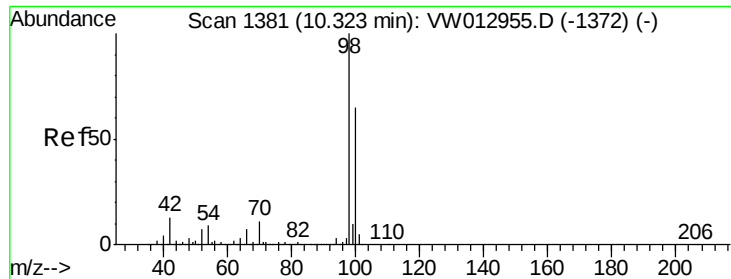
Tgt Ion: 75 Resp: 27367
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.115 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013144.D
 Acq: 19 Sep 2019 06:15

Tgt Ion: 117 Resp: 35168
 Ion Ratio Lower Upper
 117 100
 119 5.3 79.4 119.0#
 121 0.0 24.6 36.8#

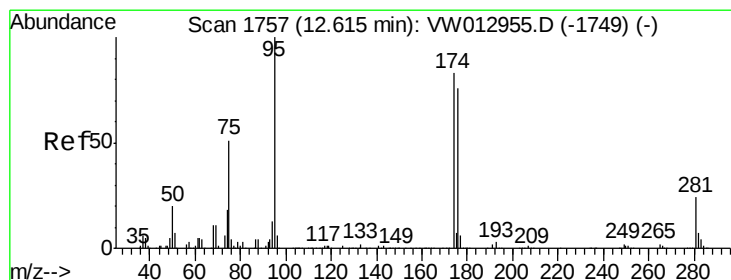
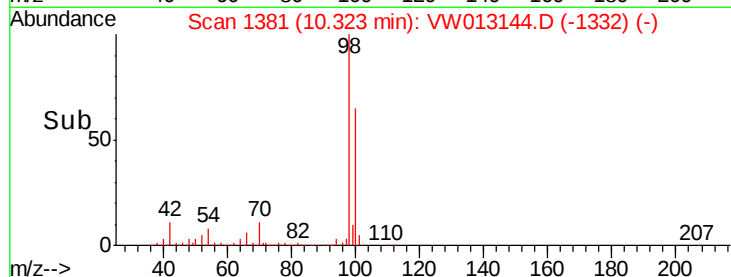
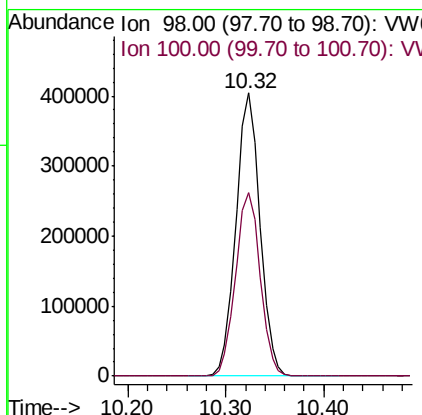
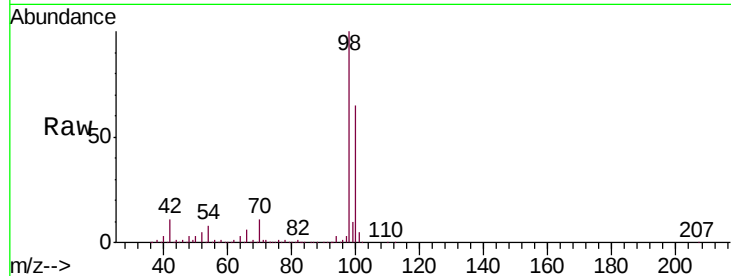




#50
Toluene-d8
Concen: 53.953 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013144.D
Acq: 19 Sep 2019 06:15

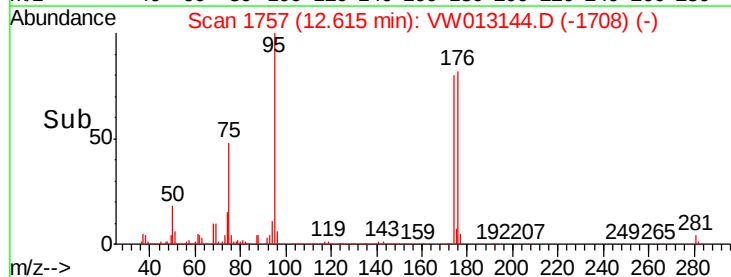
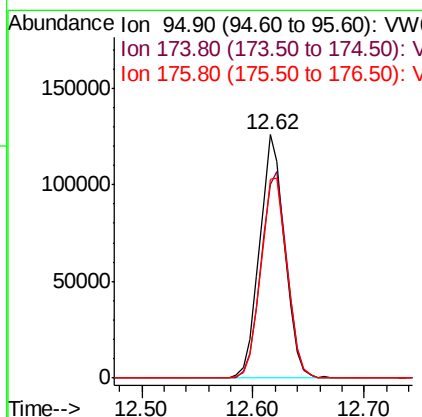
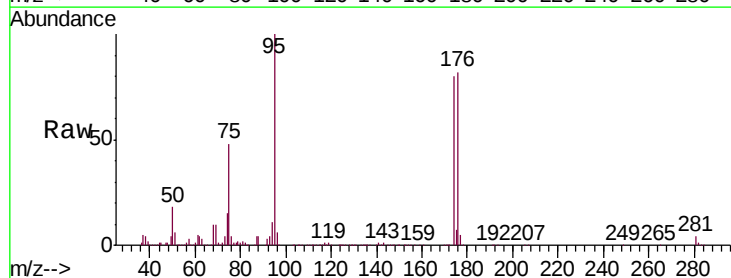
Instrument :
MSVOA_W
ClientSampleId :
CSA-3-2-3

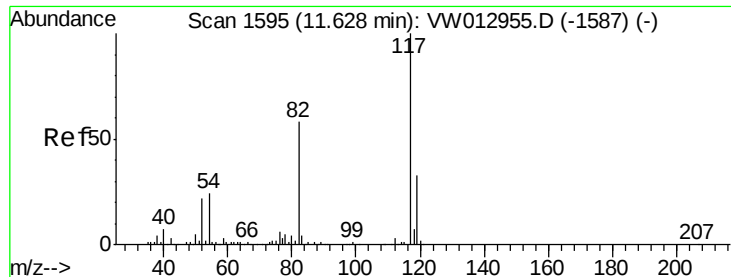
Tgt Ion: 98 Resp: 691487
Ion Ratio Lower Upper
98 100
100 66.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 43.103 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013144.D
Acq: 19 Sep 2019 06:15

Tgt Ion: 95 Resp: 198641
Ion Ratio Lower Upper
95 100
174 87.8 0.0 170.4
176 86.3 0.0 164.6

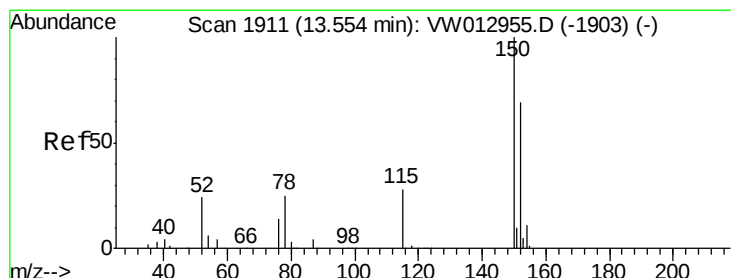
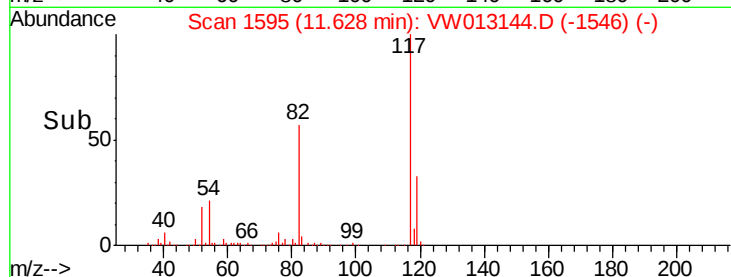
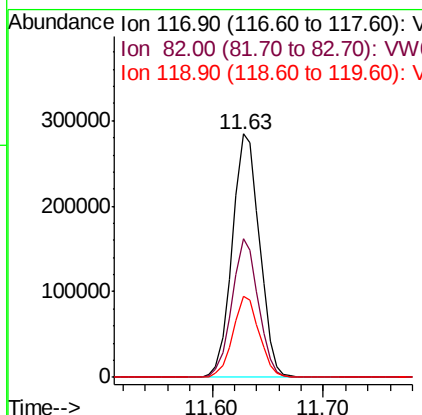
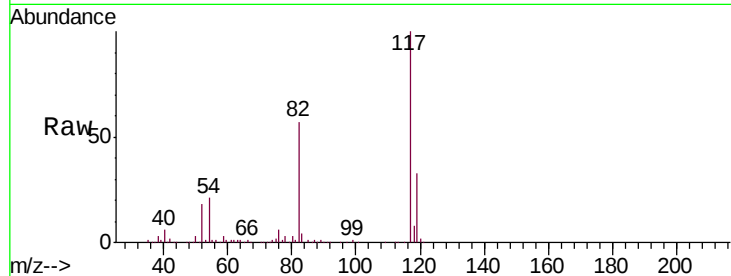




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013144.D
Acq: 19 Sep 2019 06:15

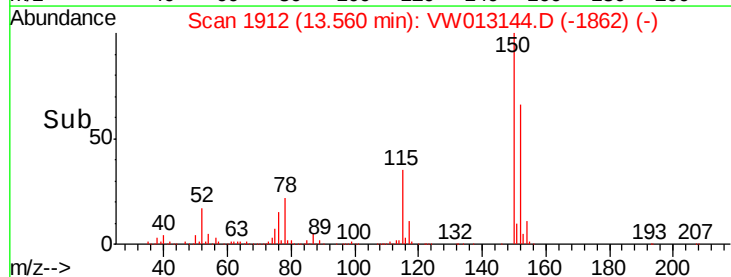
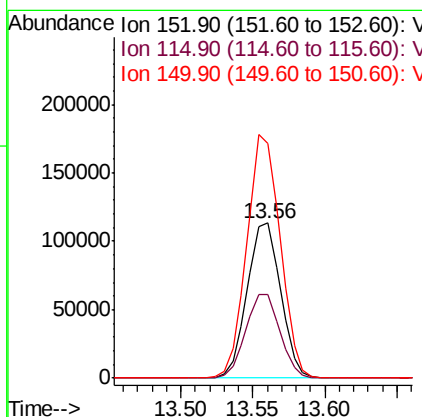
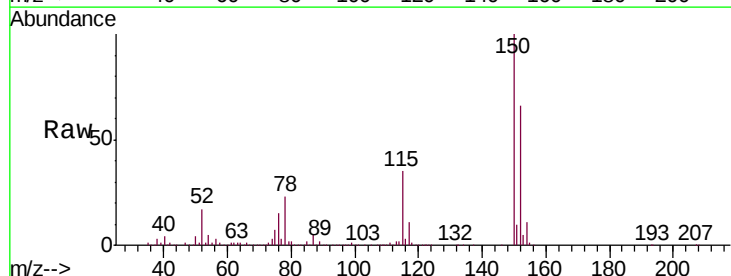
Instrument :
MSVOA_W
ClientSampleId :
CSA-3-2-3

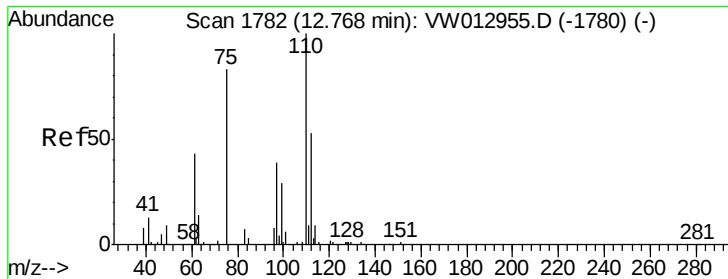
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.3	69.5
119	33.4	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013144.D
Acq: 19 Sep 2019 06:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.8	86.4
150	155.9	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 59.162 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013144.D

Acq: 19 Sep 2019 06:15

Instrument :

MSVOA_W

ClientSampled :

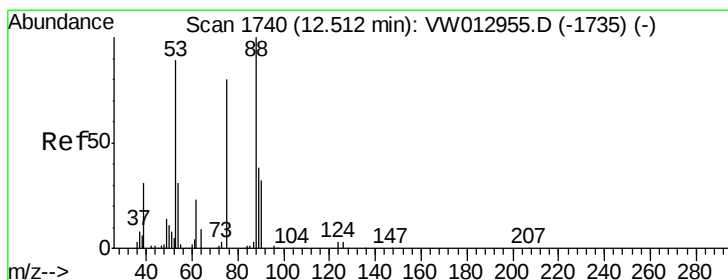
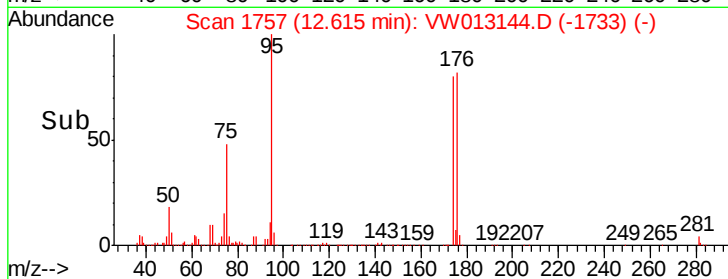
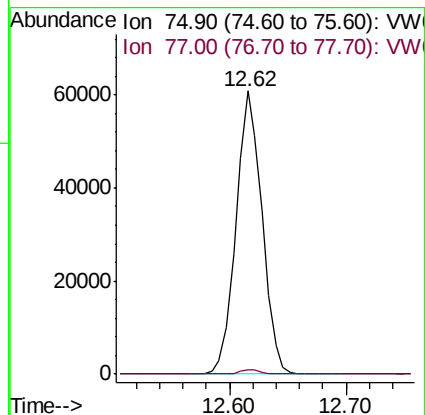
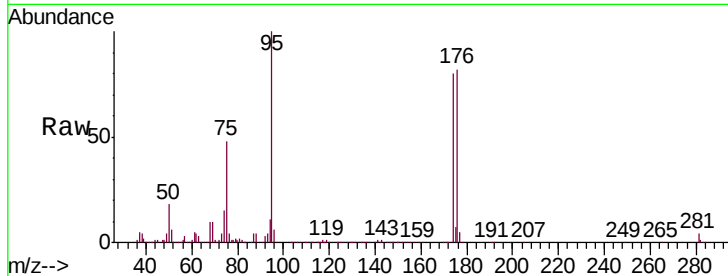
CSA-3-2-3

Tgt Ion: 75 Resp: 94749

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 134.208 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013144.D

Acq: 19 Sep 2019 06:15

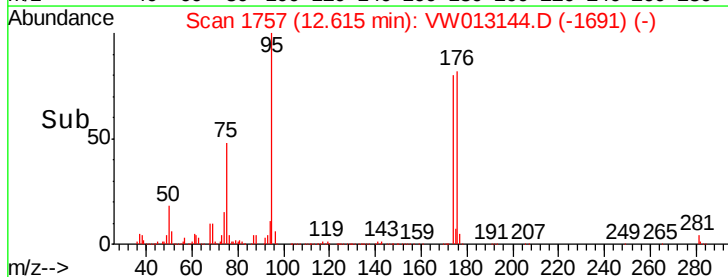
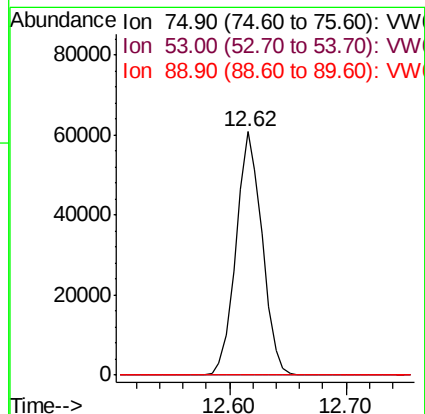
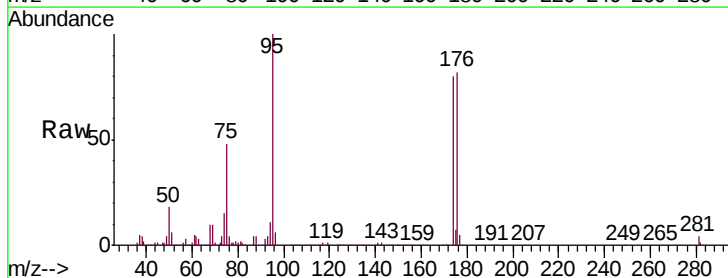
Tgt Ion: 75 Resp: 94749

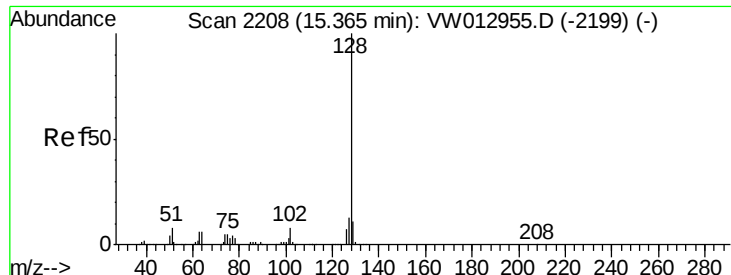
Ion Ratio Lower Upper

75 100

53 0.4 85.6 128.4#

89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 42.046 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013144.D
Acq: 19 Sep 2019 06:15

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

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	11.0	16.6
129	11.5	8.6	12.8

