

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013329.D
 Acq On : 30 Sep 2019 13:35
 Operator : SY/VA
 Sample : K4668-16
 Misc : 8.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 17:28:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	295196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117120	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	102000	49.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.76%	
35) Dibromofluoromethane	7.88	113	103645	52.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.54%	
50) Toluene-d8	10.32	98	408566	49.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.48%	
62) 4-Bromofluorobenzene	12.62	95	121382	42.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.64%	

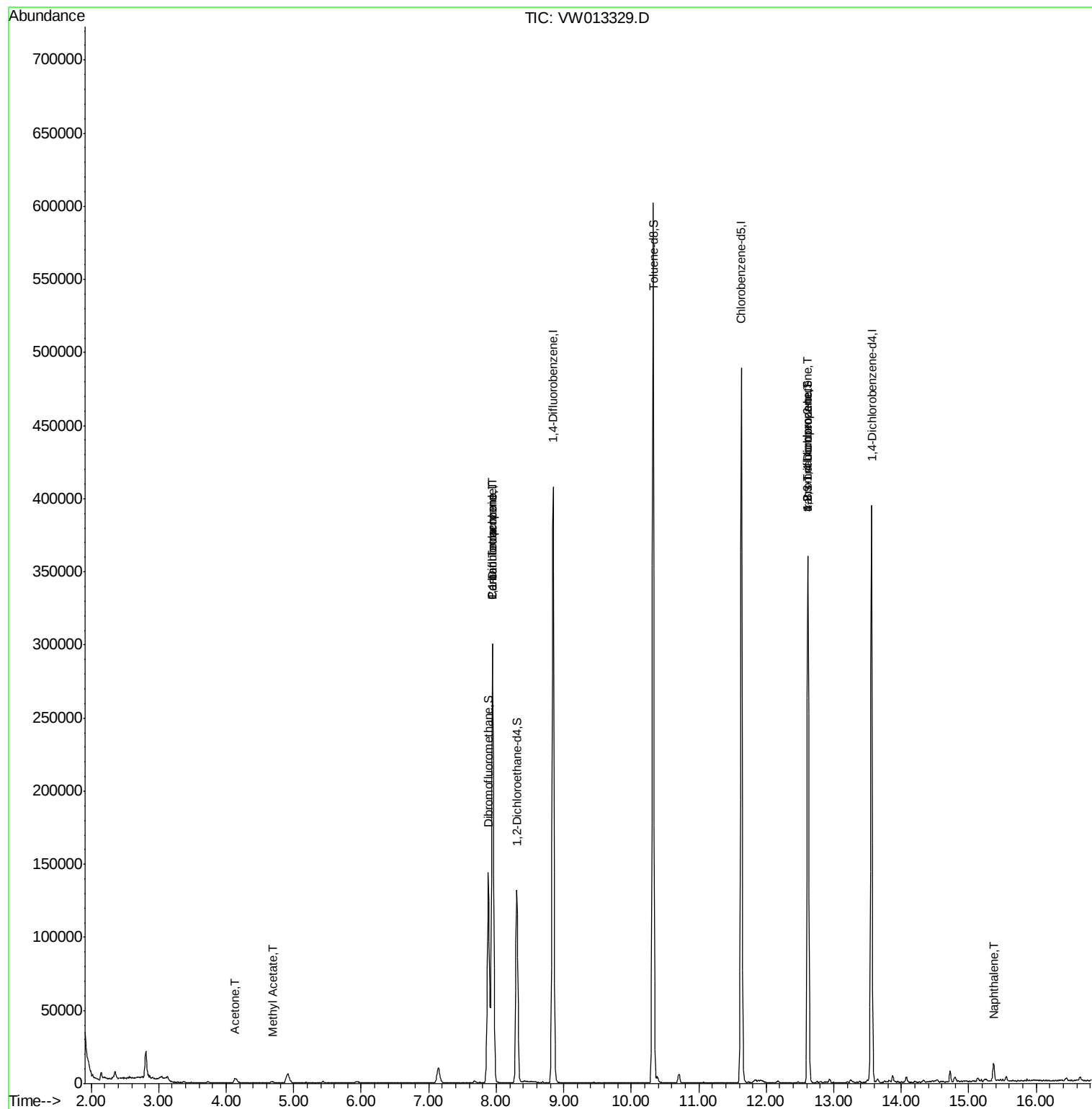
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	264	Below Cal	#	73
16) Acetone	4.14	43	6729	14.592	ug/l #	83
18) Methyl Acetate	4.68	43	1866	1.439	ug/l	95
20) Methylene Chloride	4.92	84	5273	Below Cal	#	92
26) 2,2-Dichloropropane	7.13	77	546	Below Cal	#	52
36) 1,1-Dichloropropene	7.95	75	15629	4.476	ug/l #	49
38) Carbon Tetrachloride	7.95	117	21520	6.875	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	55904	54.049	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55904	121.281	ug/l #	12
95) Naphthalene	15.36	128	10147	2.536	ug/l	97

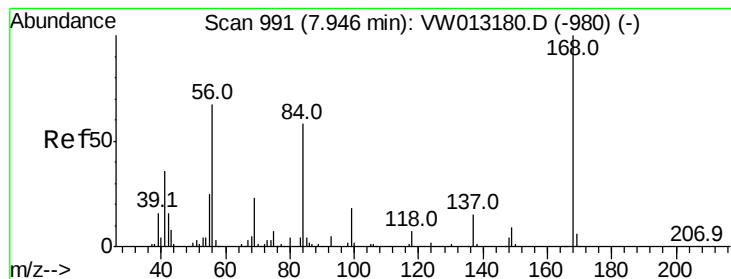
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013329.D

Acq: 30 Sep 2019 13:35

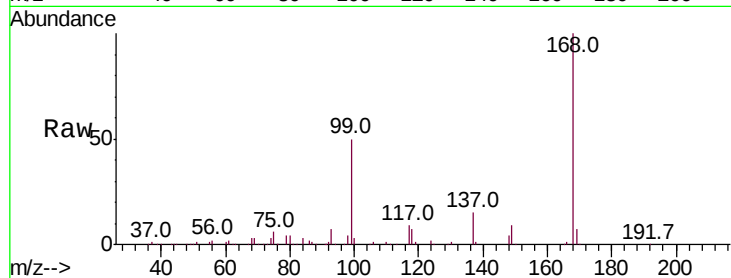
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 250557

Ion Ratio Lower Upper

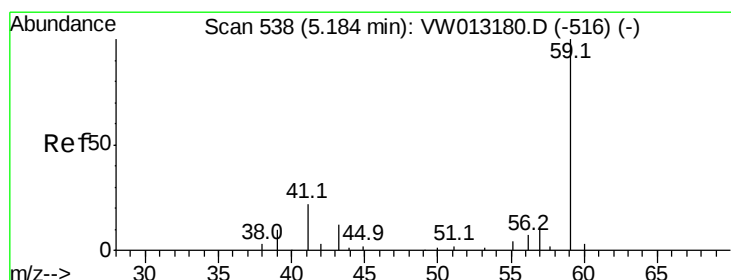
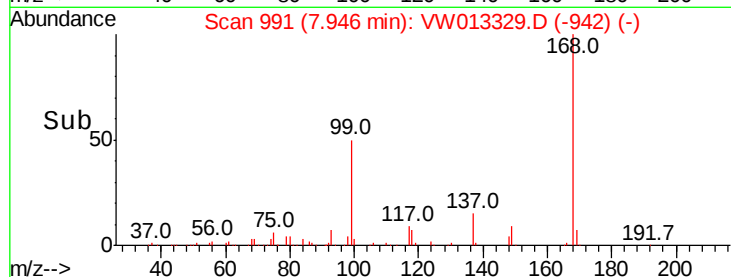
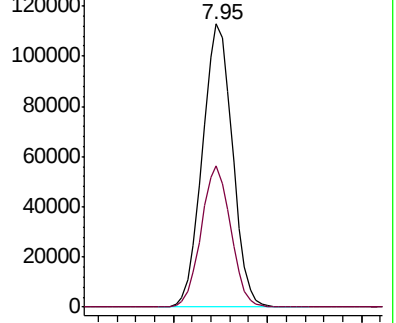
168 100

99 49.7 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. -0.01 min

Lab File: VW013329.D

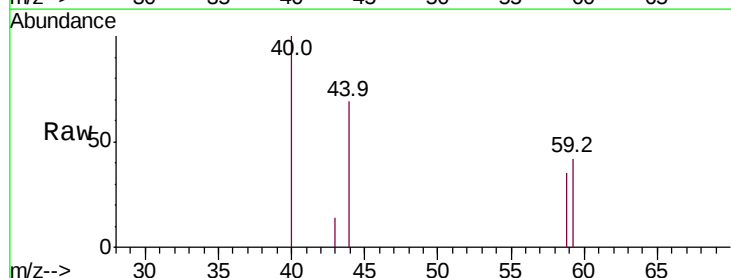
Acq: 30 Sep 2019 13:35

Tgt Ion: 59 Resp: 264

Ion Ratio Lower Upper

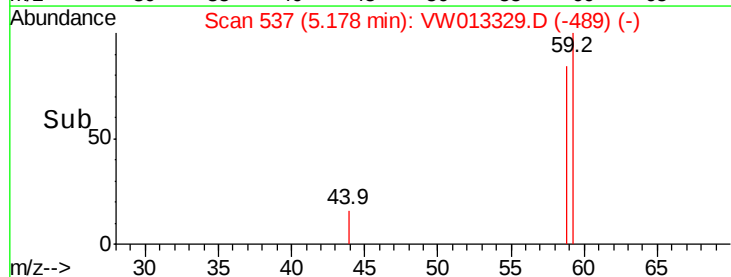
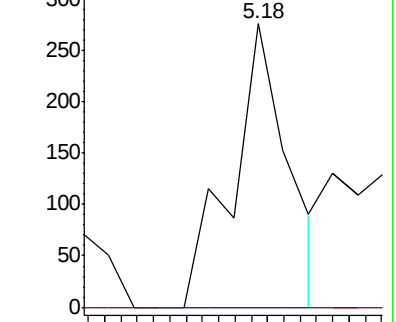
59 100

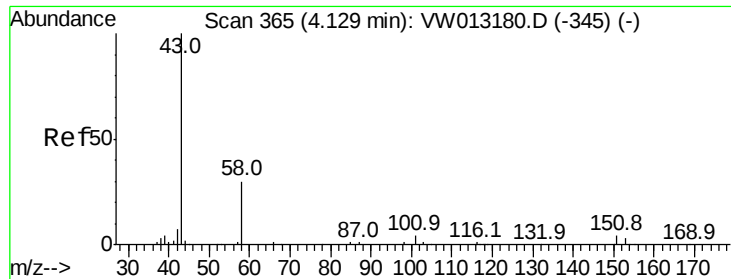
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 14.592 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013329.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_W

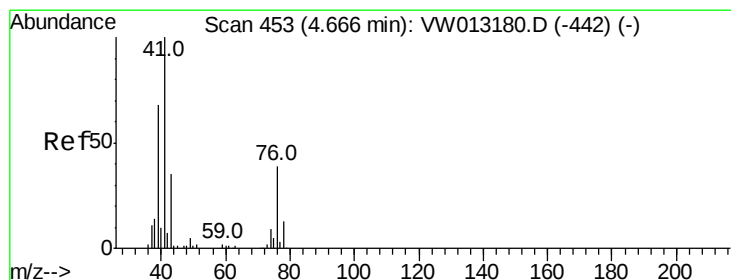
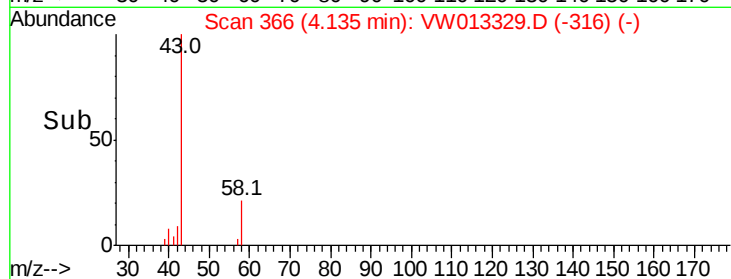
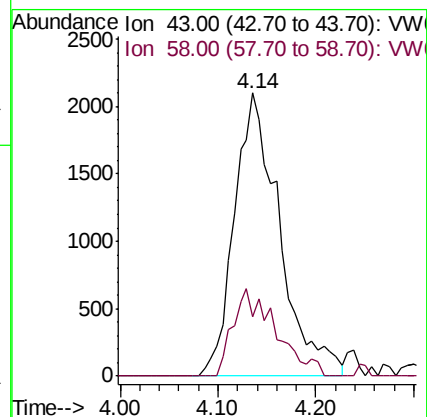
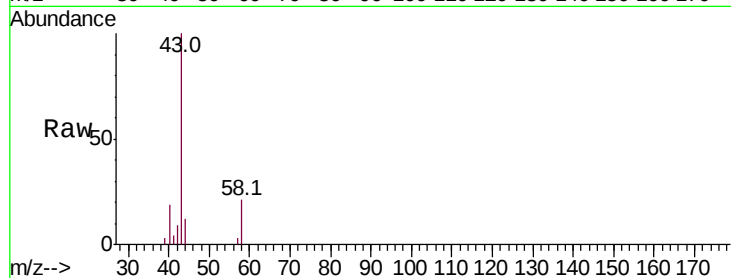
ClientSampleId :

Tot Ion: 43 Resp: 6729

Ion Ratio Lower Upper

43 100

58 20.8 24.1 36.1#



#18

Methyl Acetate

Concen: 1.439 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.02 min

Lab File: VW013329.D

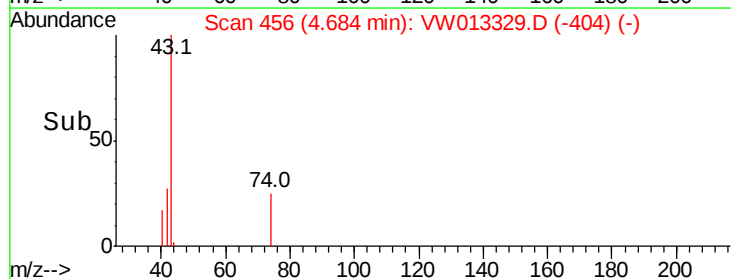
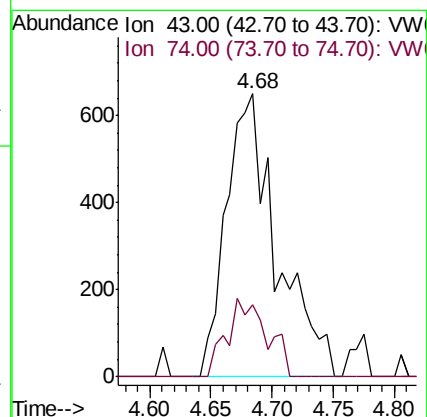
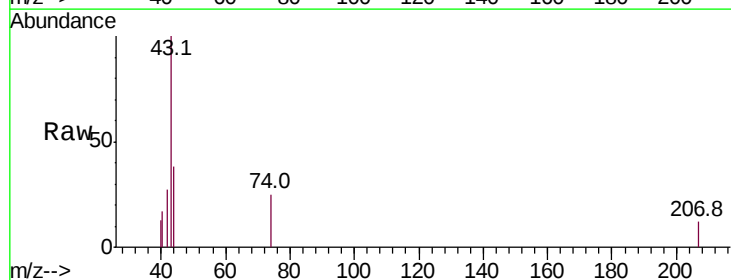
Acq: 30 Sep 2019 13:35

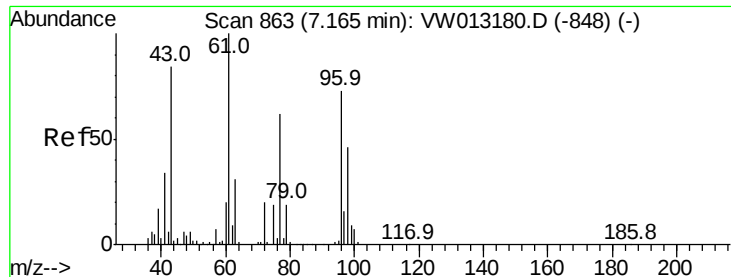
Tgt Ion: 43 Resp: 1866

Ion Ratio Lower Upper

43 100

74 21.8 19.3 28.9





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013329.D

Acq: 30 Sep 2019 13:35

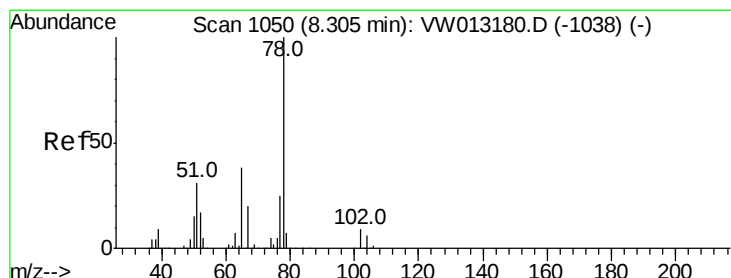
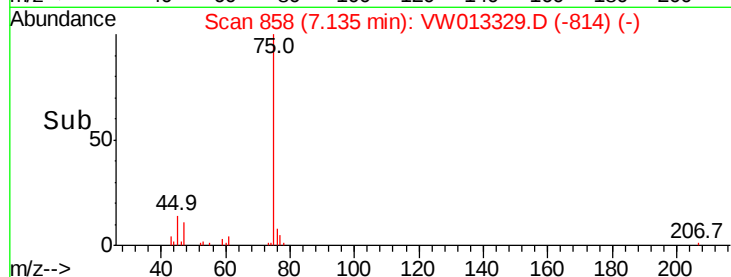
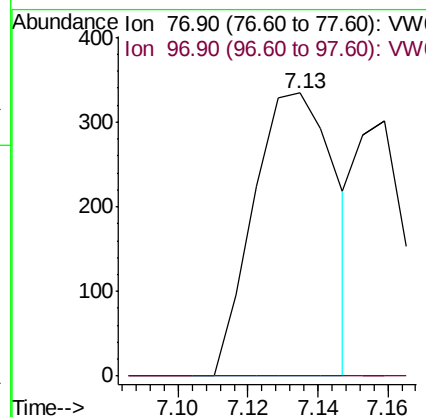
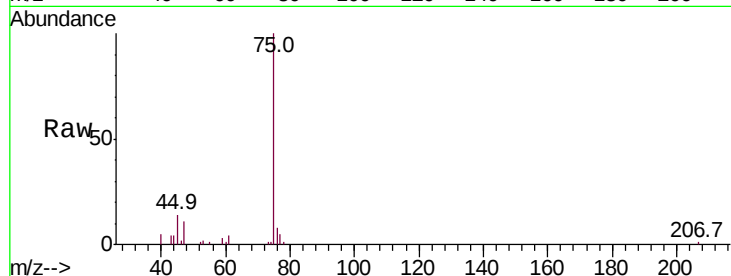
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 77 Resp: 546

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#33

1,2-Dichloroethane-d4

Concen: 49.880 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013329.D

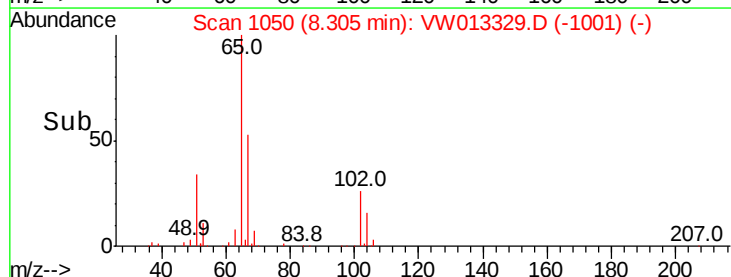
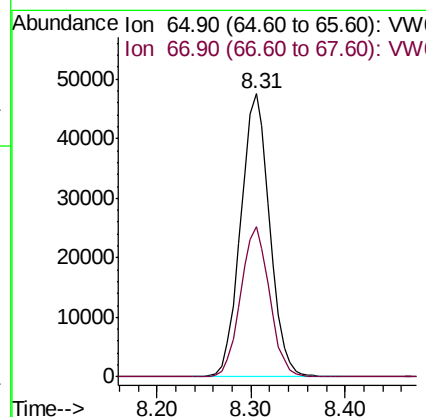
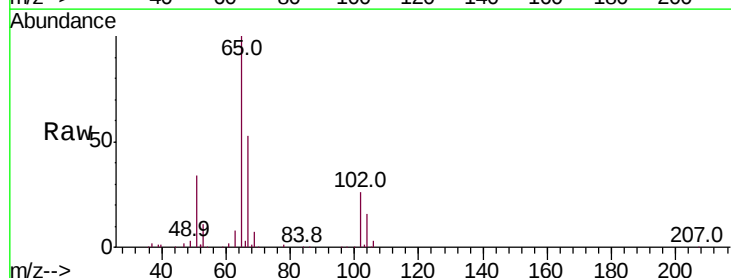
Acq: 30 Sep 2019 13:35

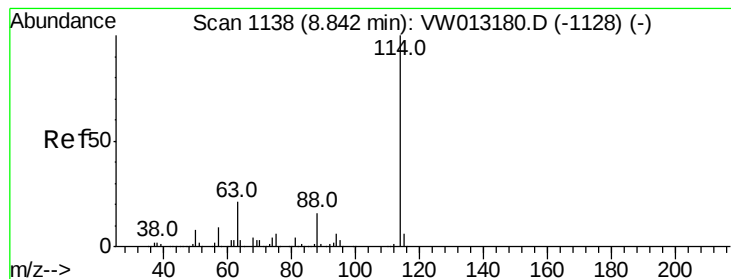
Tgt Ion: 65 Resp: 102000

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013329.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

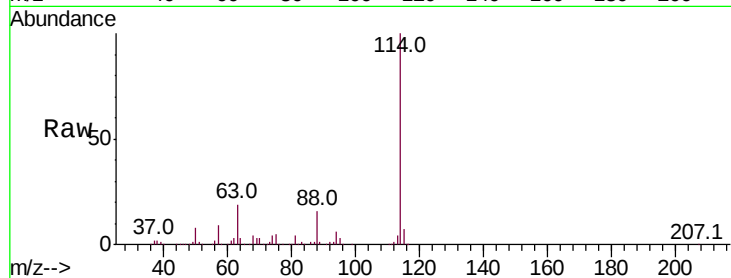
Tot Ion:114 Resp: 360506

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.4

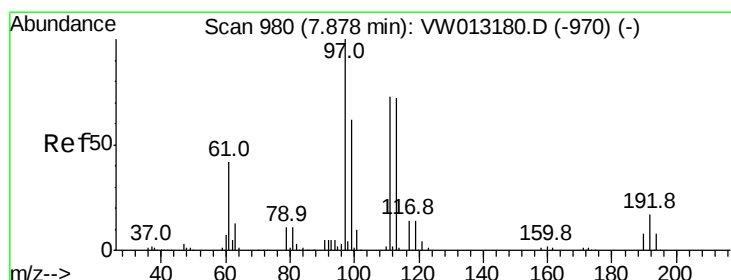
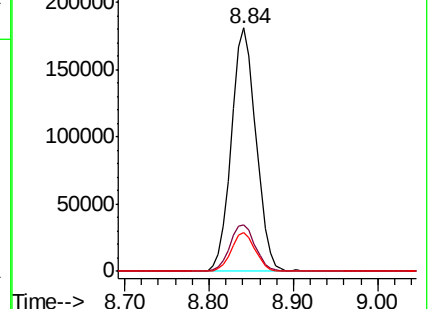
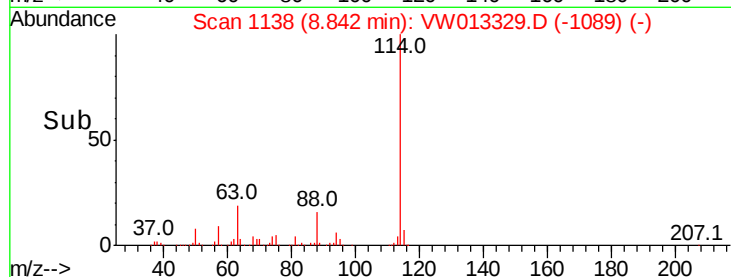
88 15.8 0.0 32.0



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: 52.272 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013329.D

Acq: 30 Sep 2019 13:35

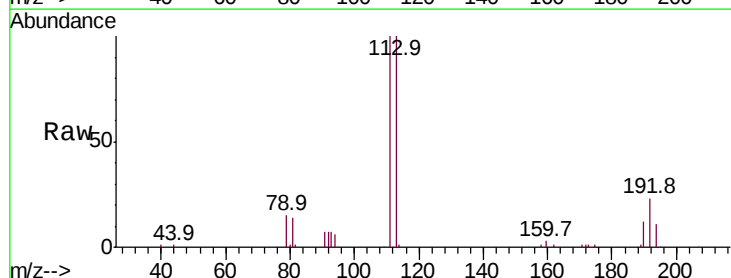
Tgt Ion:113 Resp: 103645

Ion Ratio Lower Upper

113 100

111 101.0 81.9 122.9

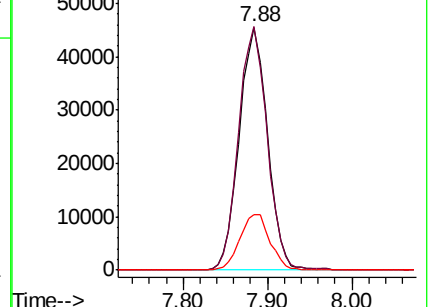
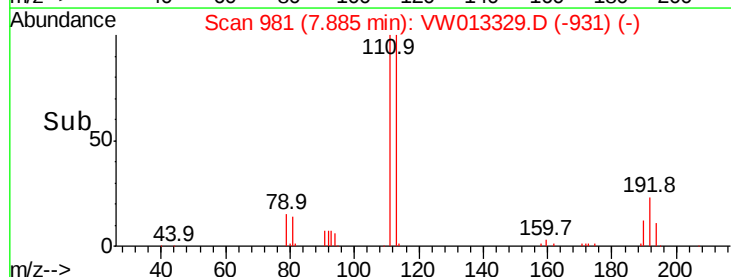
192 24.1 19.1 28.7

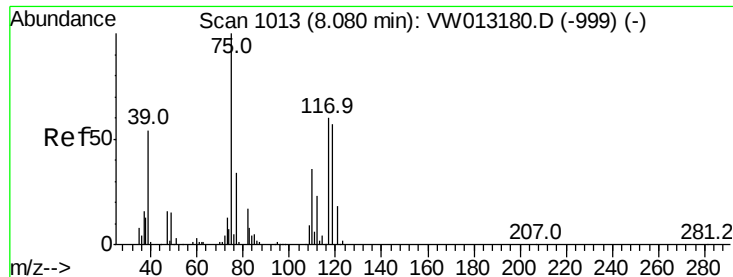


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.476 ug/l

RT: 7.95 min Scan# 991

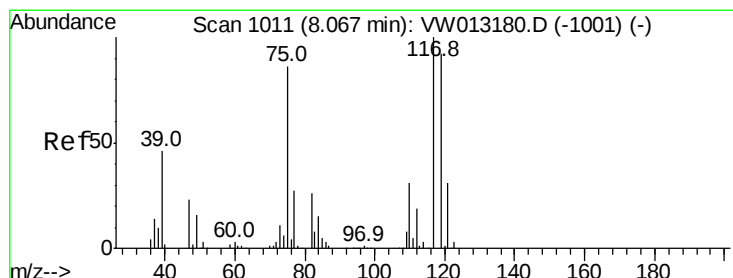
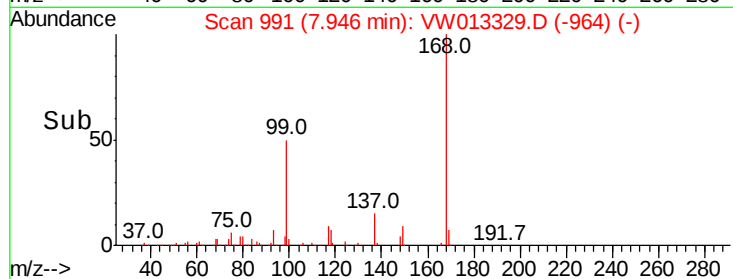
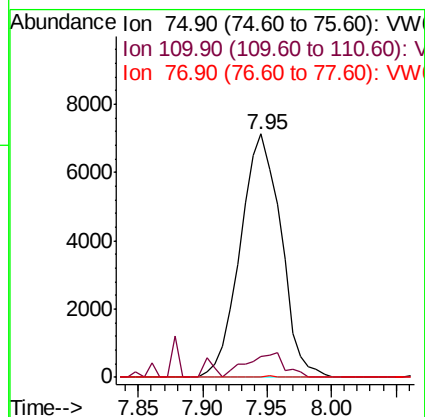
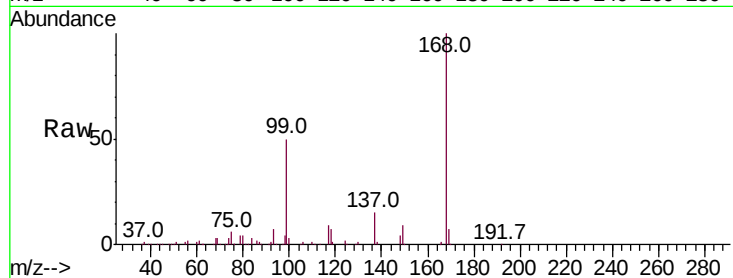
Delta R.T. -0.13 min

Lab File: VW013329.D

Acq: 30 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	75	Resp:	15629
Ion Ratio	Lower	Upper	
75	100		
110	9.5	18.1	54.3#
77	0.2	25.8	38.6#



#38

Carbon Tetrachloride

Concen: 6.875 ug/l

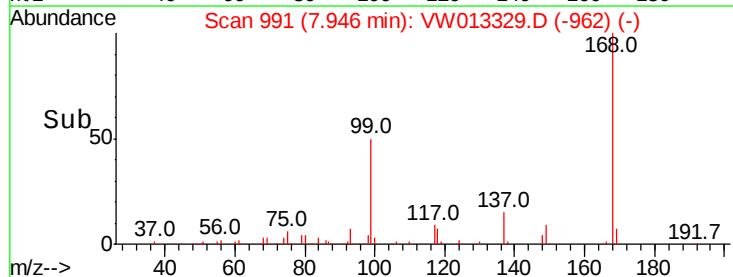
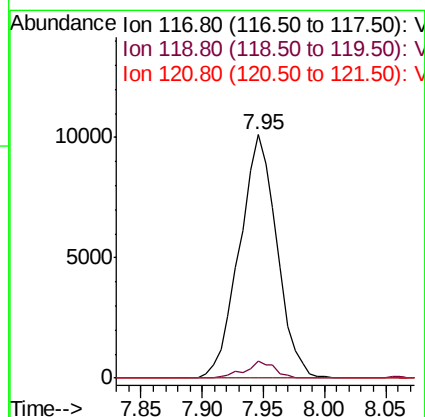
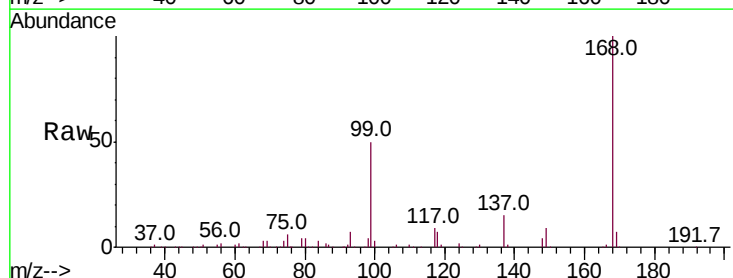
RT: 7.95 min Scan# 991

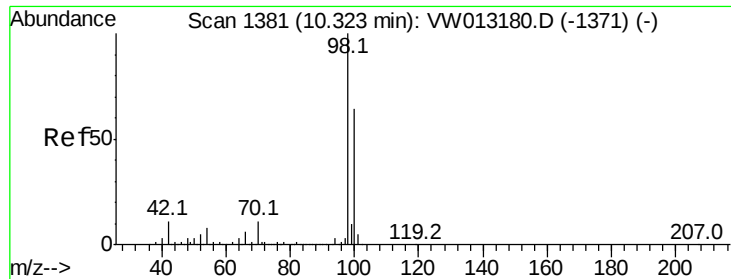
Delta R.T. -0.12 min

Lab File: VW013329.D

Acq: 30 Sep 2019 13:35

Tgt Ion:	117	Resp:	21520
Ion Ratio	Lower	Upper	
117	100		
119	6.9	73.5	110.3#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 49.236 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013329.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_W

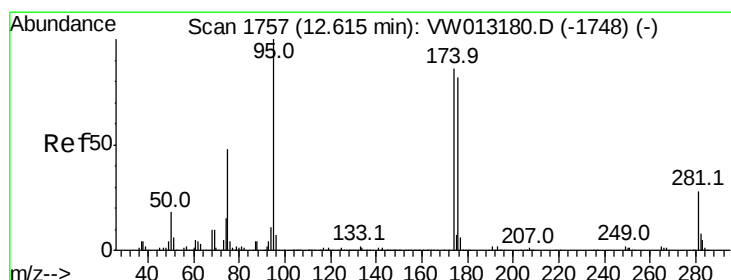
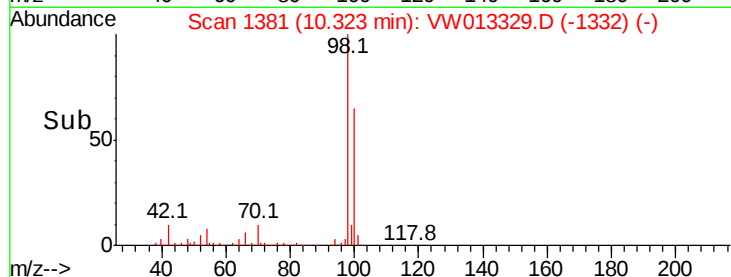
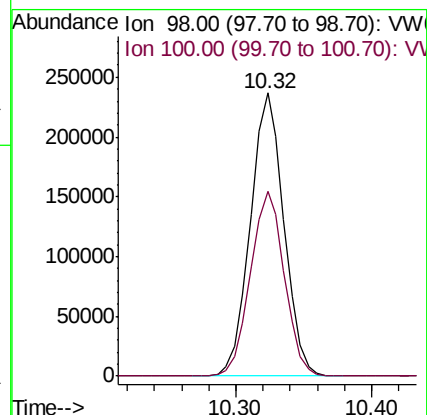
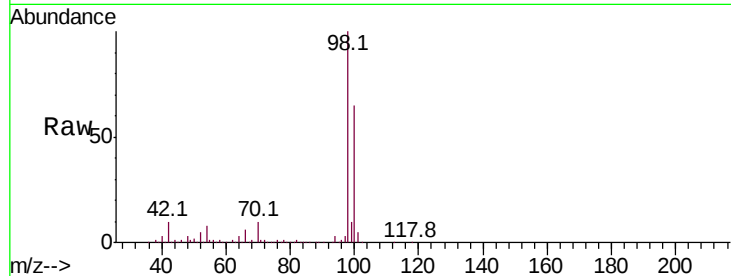
ClientSampled :

Tot Ion: 98 Resp: 408566

Ion Ratio Lower Upper

98 100

100 66.2 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 42.822 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013329.D

Acq: 30 Sep 2019 13:35

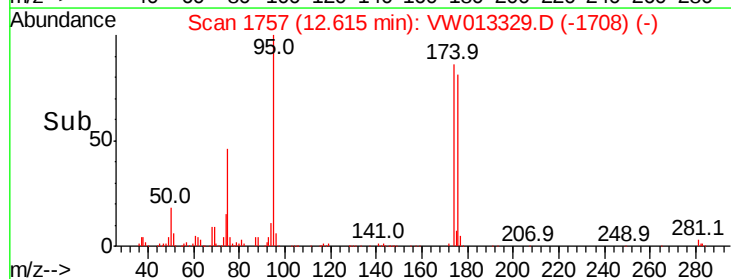
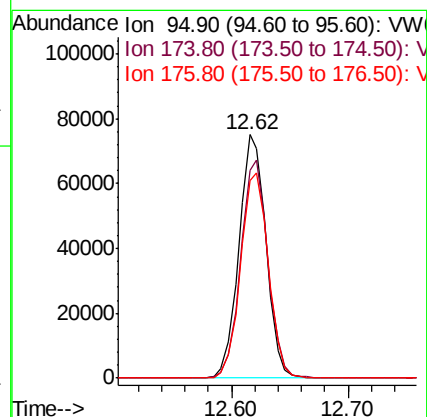
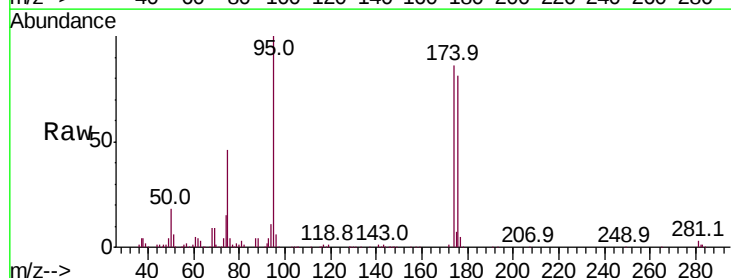
Tgt Ion: 95 Resp: 121382

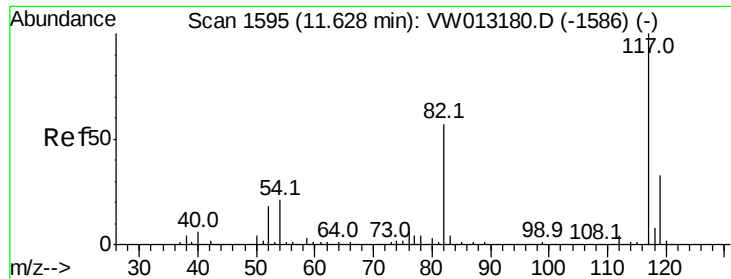
Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.4

176 86.7 0.0 172.2

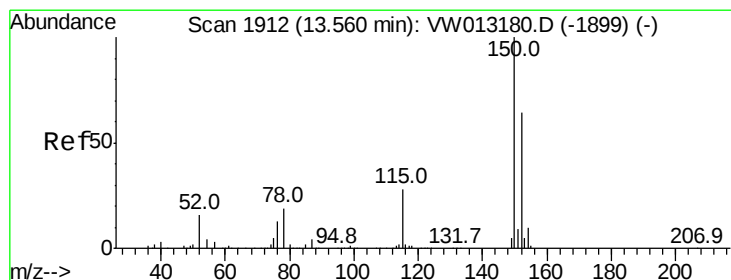
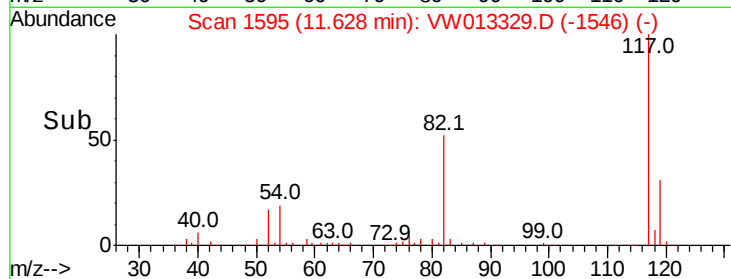
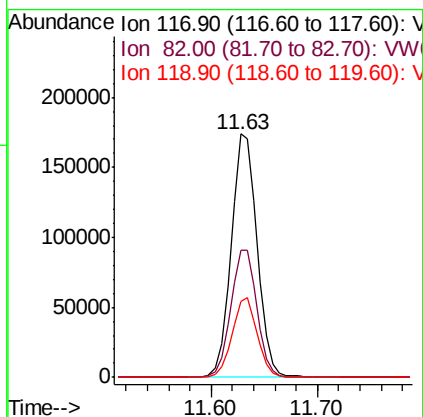
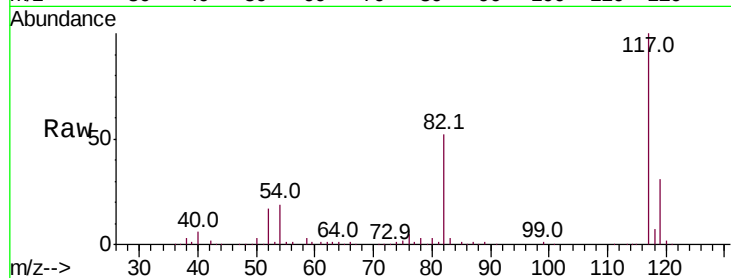




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013329.D
Acq: 30 Sep 2019 13:35

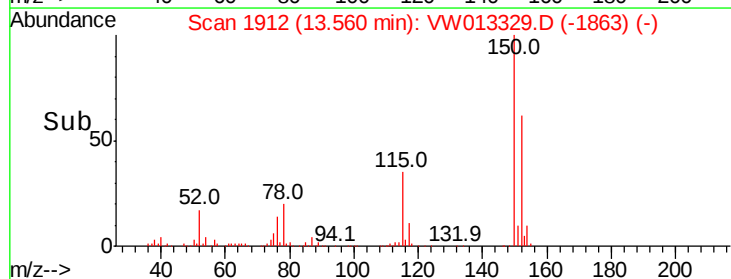
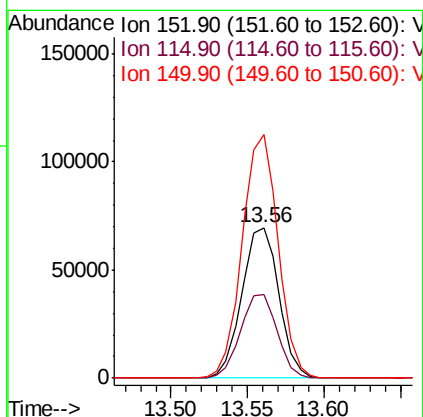
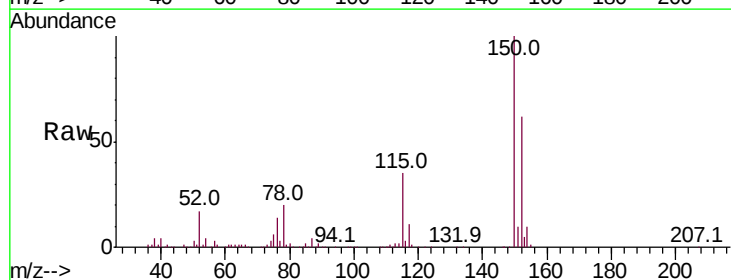
Instrument :
MSVOA_W
ClientSampled :

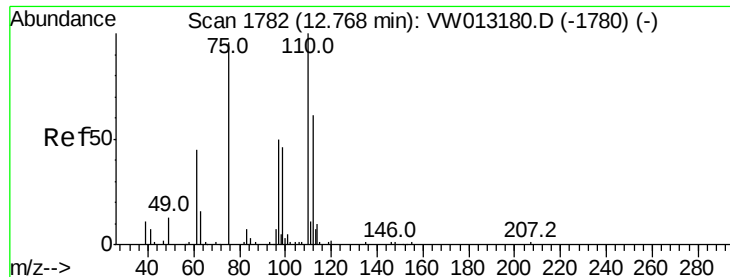
Tot Ion:117 Resp: 295196
Ion Ratio Lower Upper
117 100
82 52.1 45.9 68.9
119 31.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013329.D
Acq: 30 Sep 2019 13:35

Tgt Ion:152 Resp: 117120
Ion Ratio Lower Upper
152 100
115 55.1 27.3 81.9
150 157.1 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 54.049 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013329.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_W

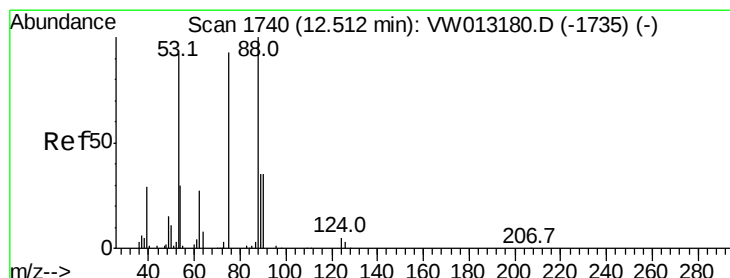
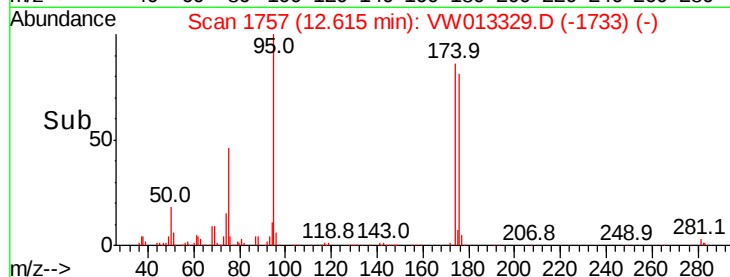
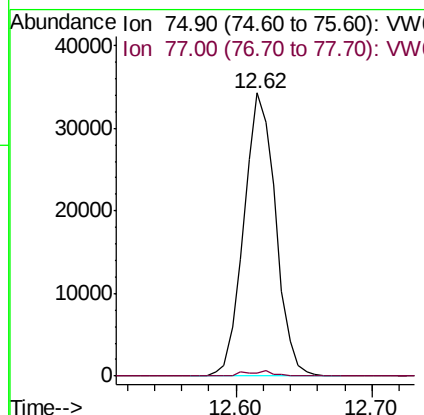
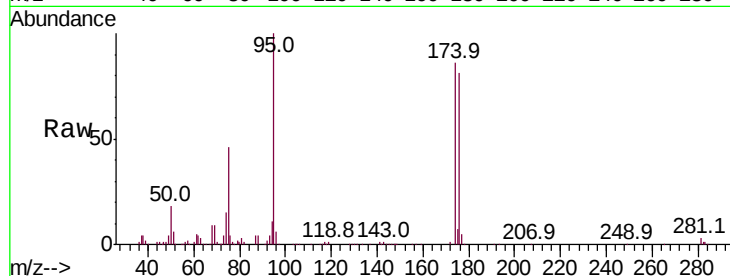
ClientSampleId :

Tot Ion: 75 Resp: 55904

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.281 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013329.D

Acq: 30 Sep 2019 13:35

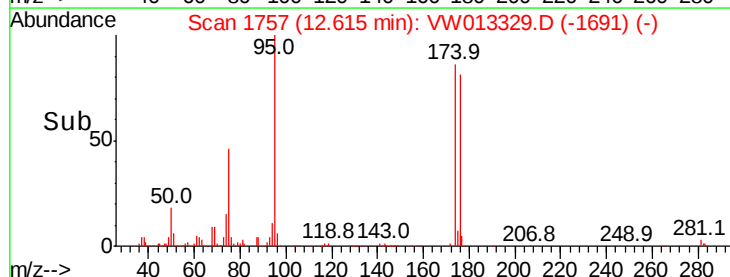
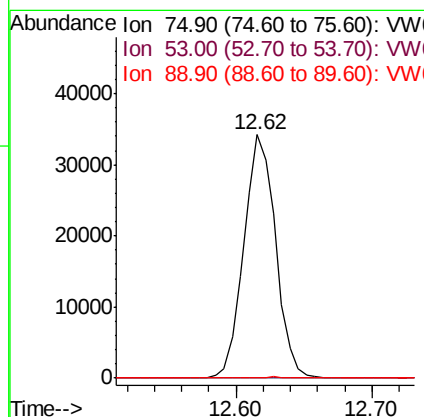
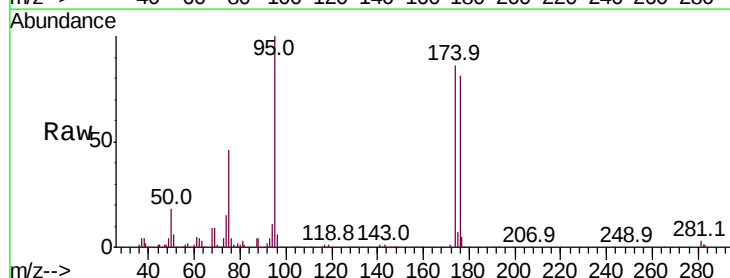
Tgt Ion: 75 Resp: 55904

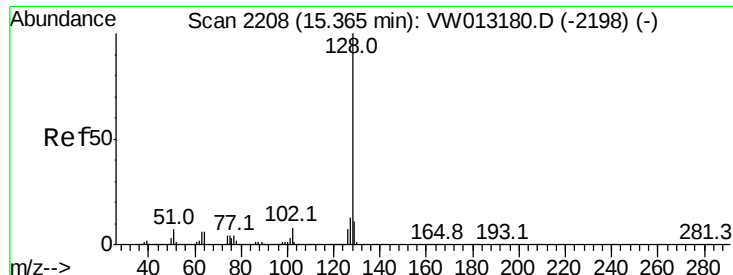
Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 33.5 50.3#





#95

Naphthalene

Concen: 2.536 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013329.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

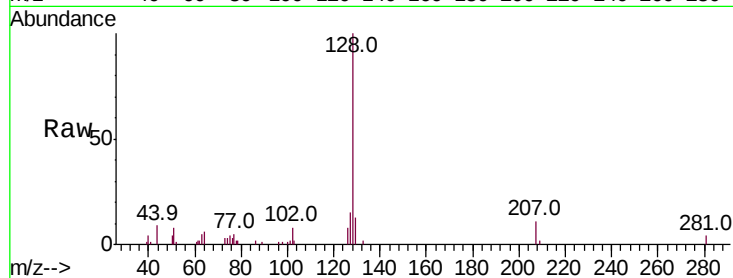
Tot Ion:128 Resp: 10147

Ion Ratio Lower Upper

128 100

127 14.4 10.6 15.8

129 12.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

