

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012254.D
 Acq On : 28 Aug 2019 15:15
 Operator : SY/VA
 Sample : K4509-03
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 17:26:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	408474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	341377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	142961	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	144954	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
35) Dibromofluoromethane	7.88	113	120759	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
50) Toluene-d8	10.32	98	501365	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.62	95	161995	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	

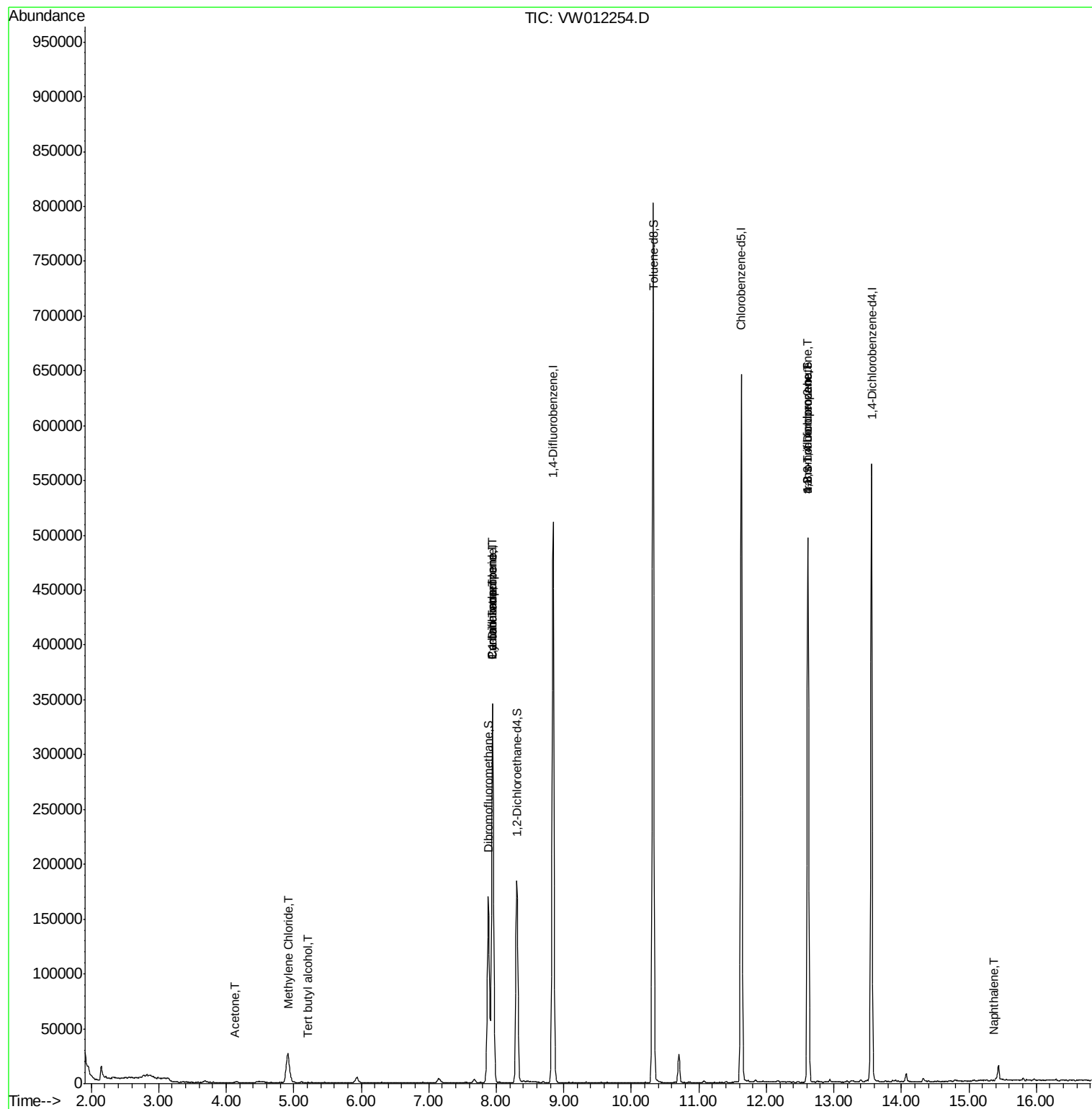
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	277	1.545	ug/l #	71
16) Acetone	4.14	43	901	1.183	ug/l	99
20) Methylene Chloride	4.92	84	20067	6.970	ug/l	99
31) Cyclohexane	7.95	56	5999	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20703	4.905	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24756	6.776	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	85150	61.156	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85150	134.087	ug/l #	6
95) Naphthalene	15.37	128	326	4.376	ug/l #	69

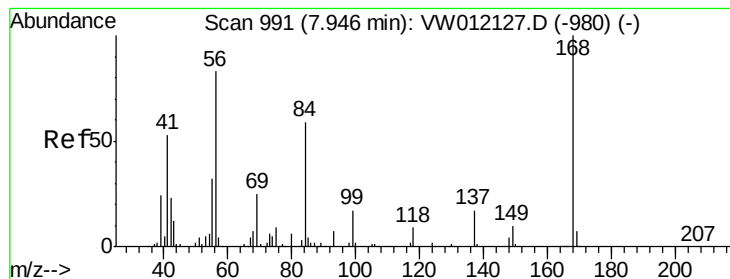
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012254.D

Acq: 28 Aug 2019 15:15

Instrument :

MSVOA_W

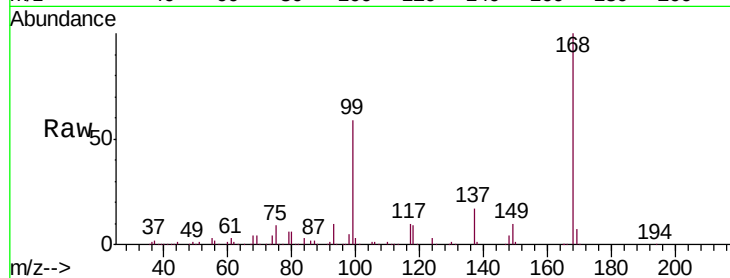
ClientSampled :

Tot Ion:168 Resp: 250640

Ion Ratio Lower Upper

168 100

99 59.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

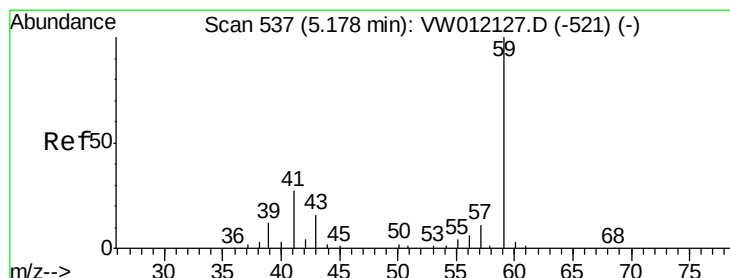
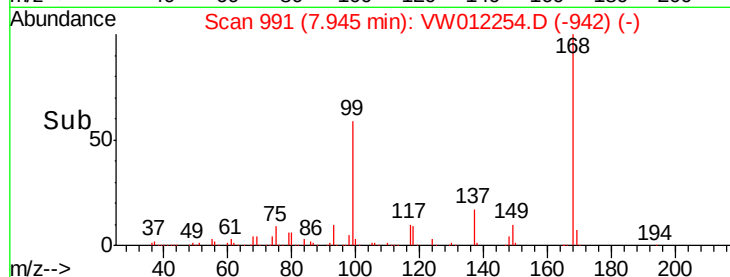
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.545 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.02 min

Lab File: VW012254.D

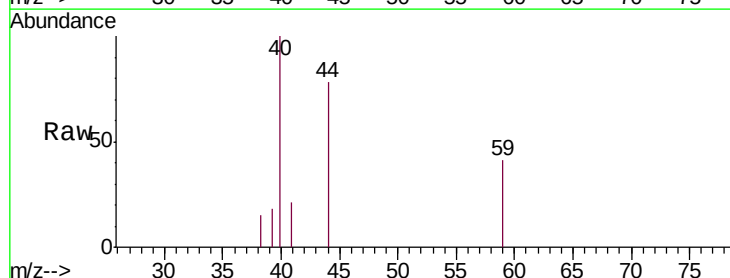
Acq: 28 Aug 2019 15:15

Tgt Ion: 59 Resp: 277

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

200

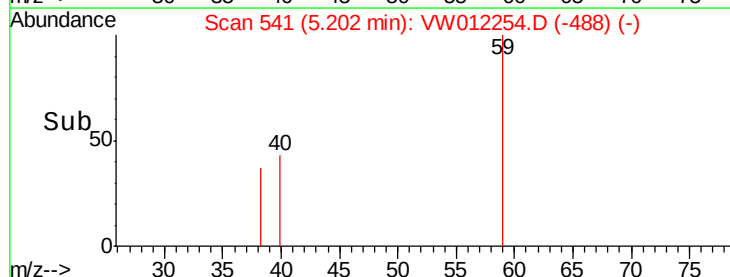
150

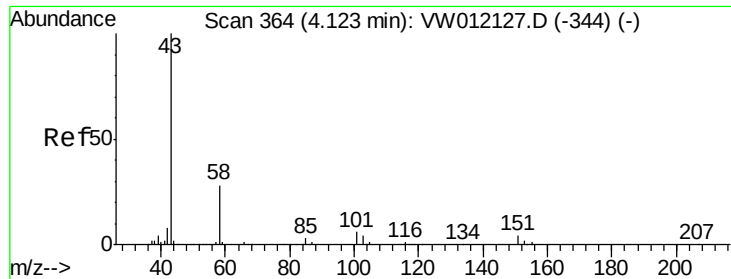
100

50

0

Time-->

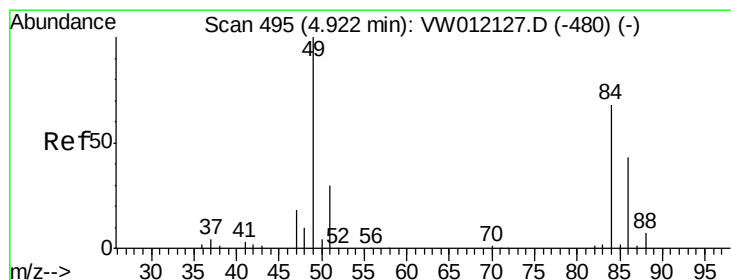
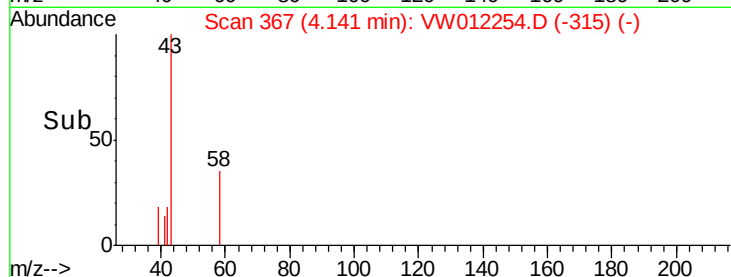
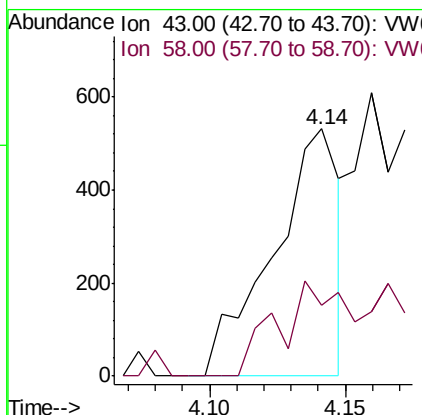
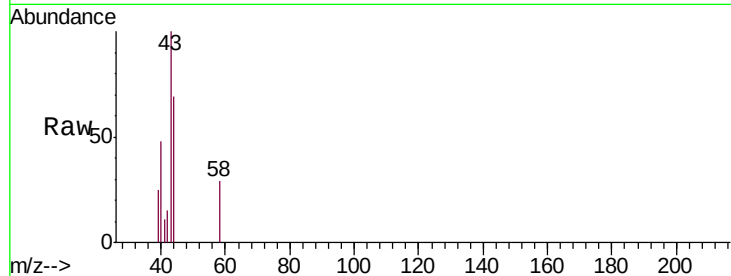




#16
Acetone
Concen: 1.183 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012254.D
Acq: 28 Aug 2019 15:15

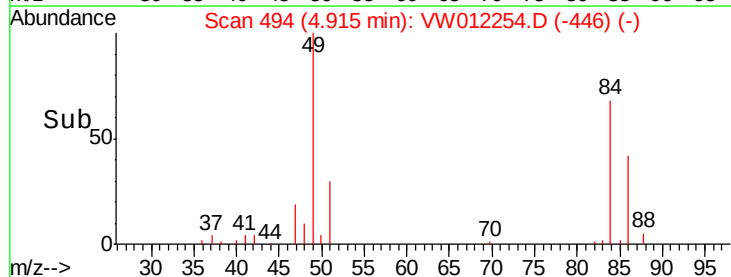
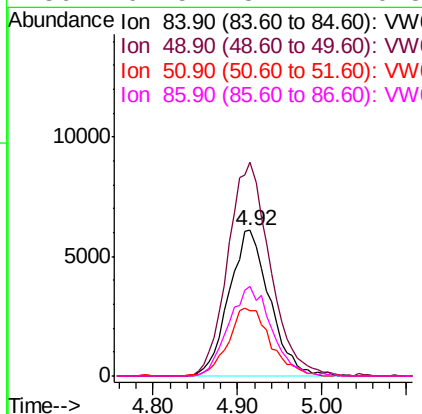
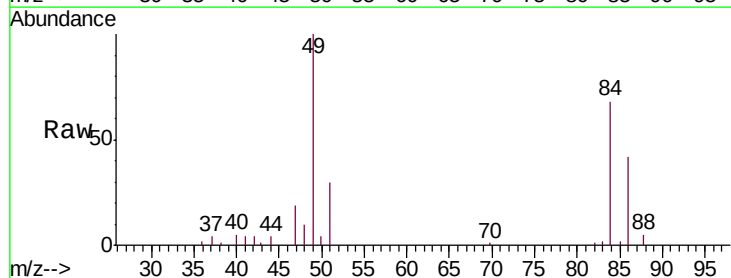
Instrument :
MSVOA_W
ClientSampled :

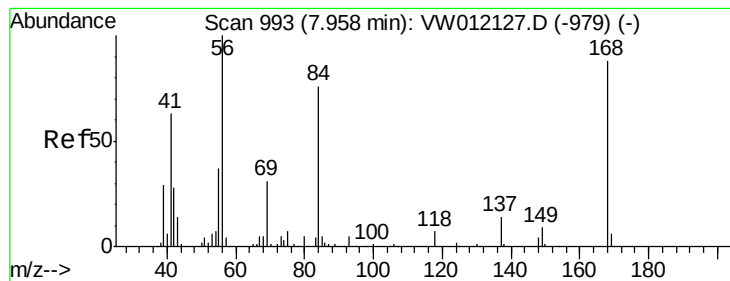
Tot Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
58 28.6 22.4 33.6



#20
Methylene Chloride
Concen: 6.970 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012254.D
Acq: 28 Aug 2019 15:15

Tgt Ion: 84 Resp: 20067
Ion Ratio Lower Upper
84 100
49 146.9 117.8 176.8
51 43.7 35.6 53.4
86 61.5 51.2 76.8





#31

Cyclohexane

Concen: 1.118 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

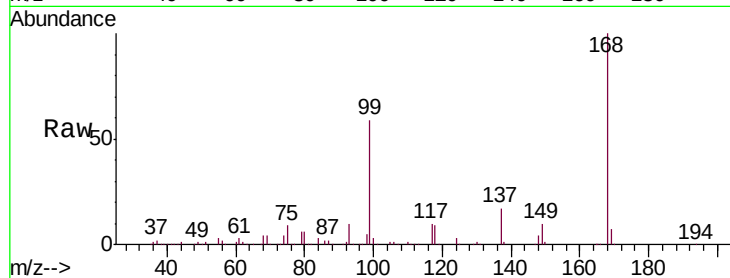
Lab File: VW012254.D

Acq: 28 Aug 2019 15:15

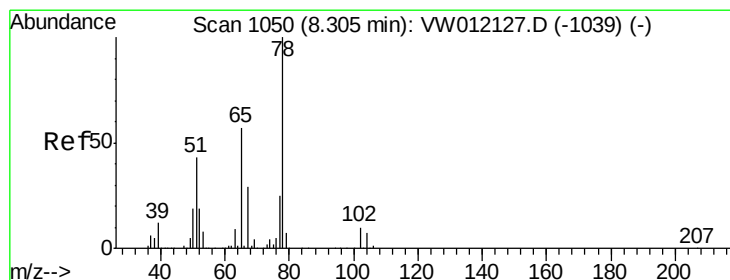
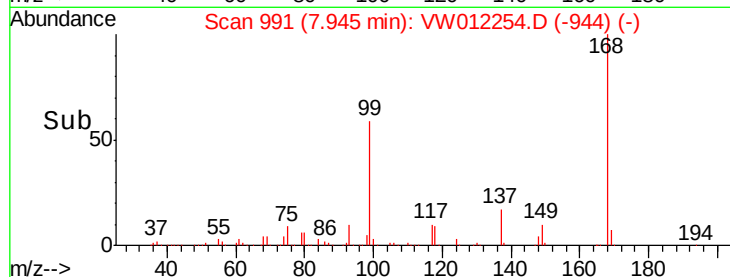
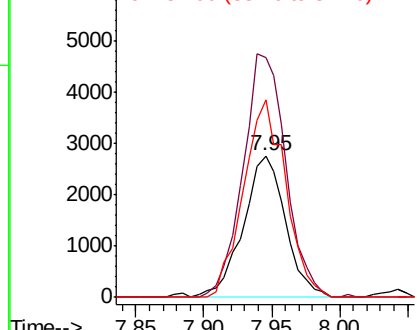
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5999

Ion	Ratio	Lower	Upper
56	100		
69	169.2	24.9	37.3#
84	139.7	60.6	90.8#



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: 48.650 ug/l

RT: 8.30 min Scan# 1050

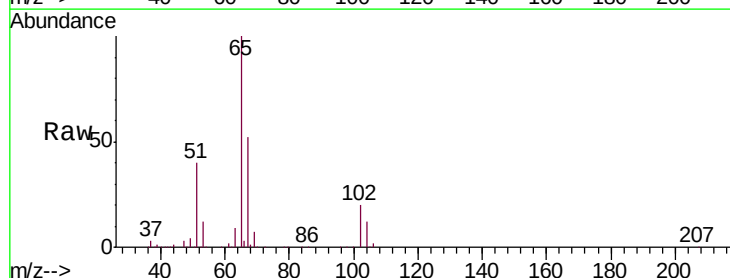
Delta R.T. -0.00 min

Lab File: VW012254.D

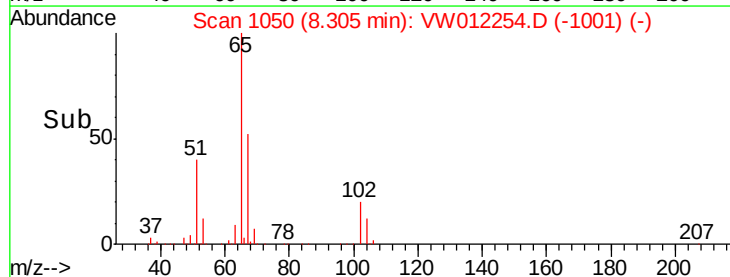
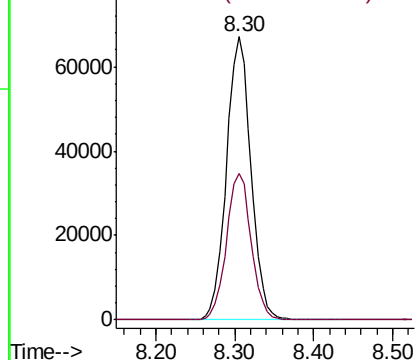
Acq: 28 Aug 2019 15:15

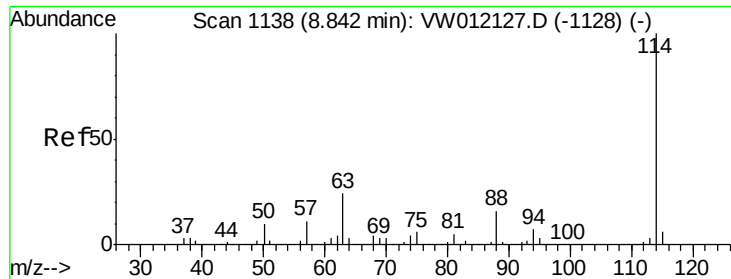
Tgt Ion: 65 Resp: 144954

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.6



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

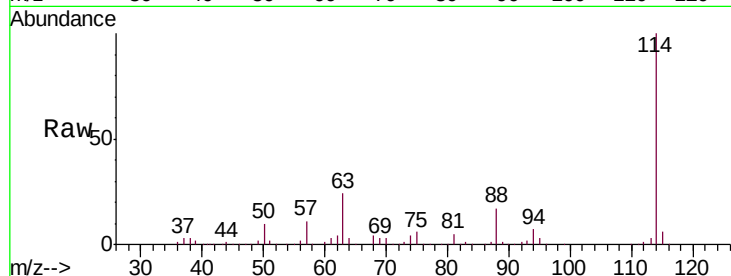




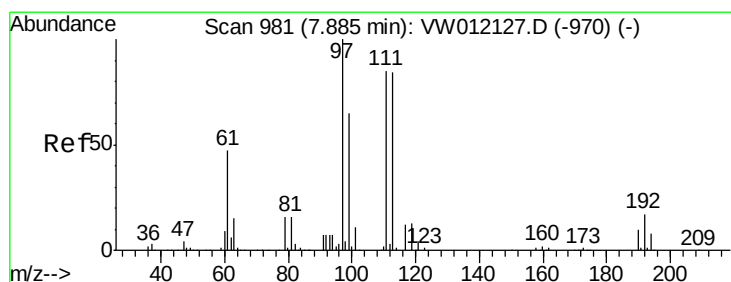
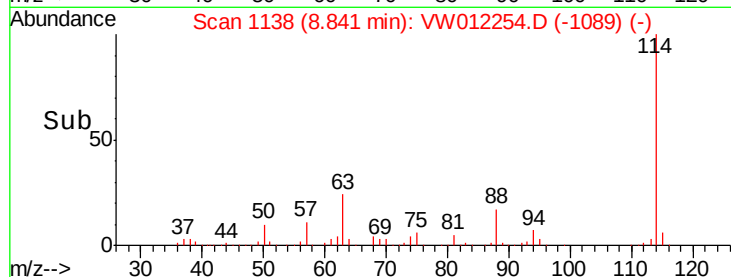
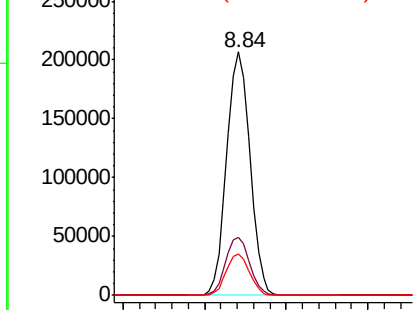
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012254.D
 Acq: 28 Aug 2019 15:15

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:114 Resp: 408474
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.6
 88 17.0 0.0 32.2

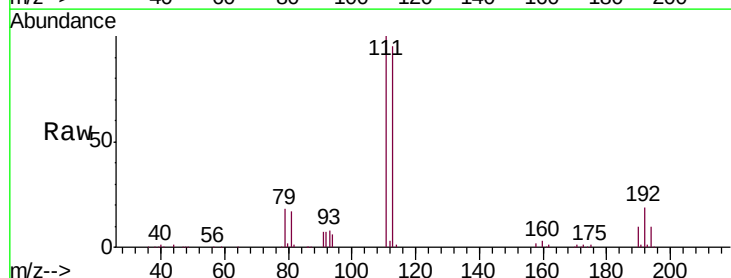


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

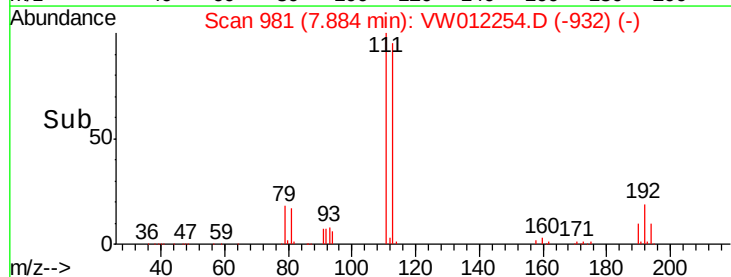
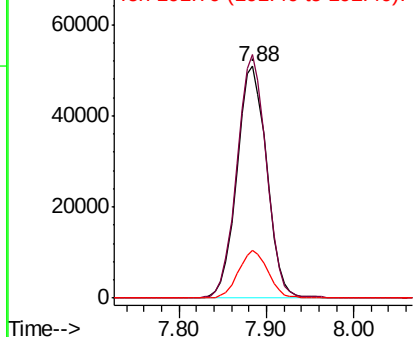


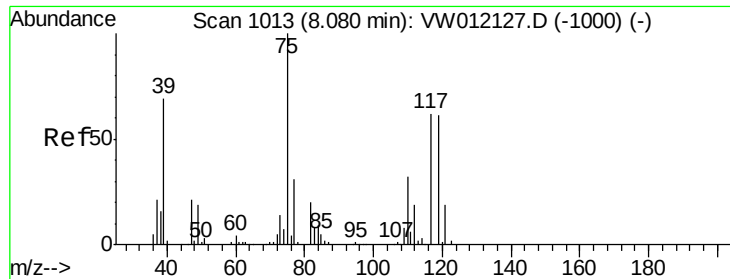
#35
 Dibromofluoromethane
 Concen: 49.528 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012254.D
 Acq: 28 Aug 2019 15:15

Tgt Ion:113 Resp: 120759
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.7 124.1
 192 20.1 16.2 24.2



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

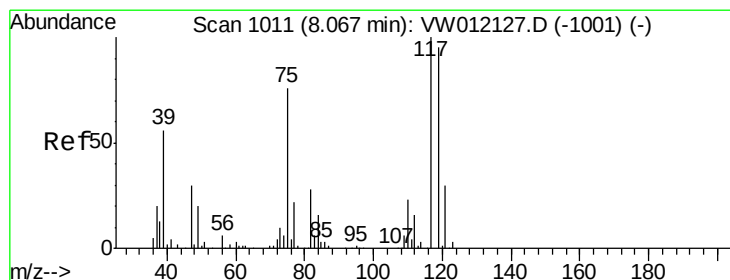
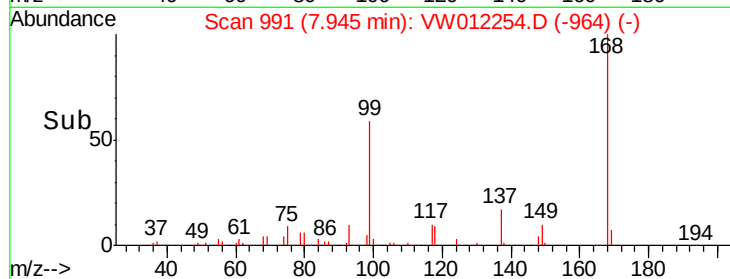
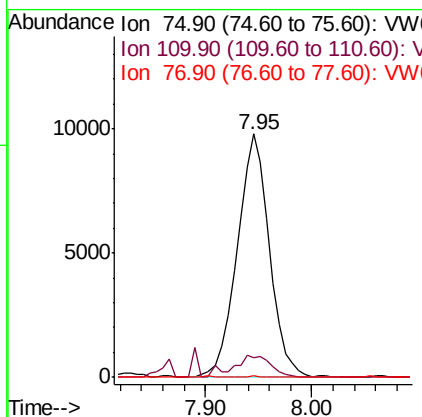
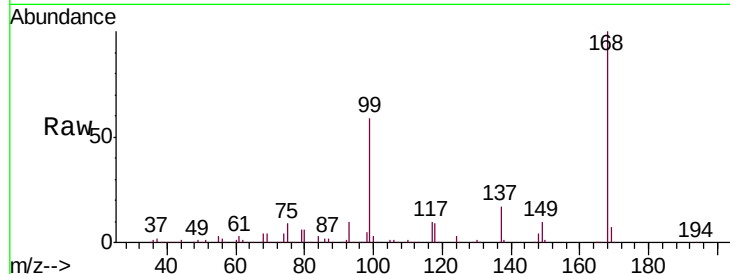




#36
 1,1-Dichloropropene
 Concen: 4.905 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012254.D
 Acq: 28 Aug 2019 15:15

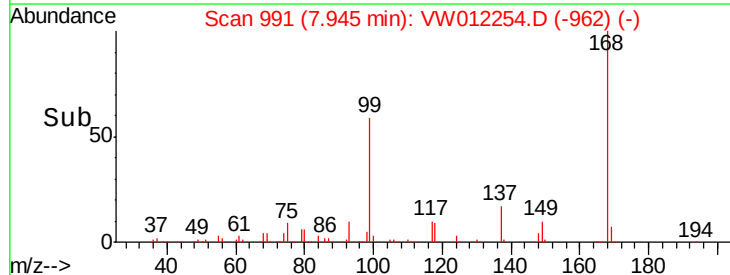
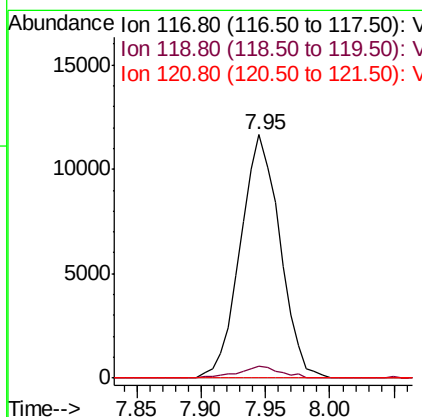
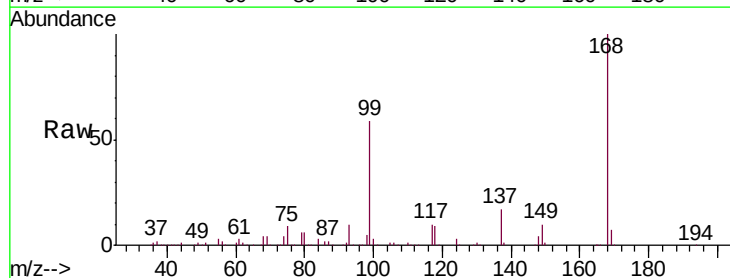
Instrument :
 MSVOA_W
 ClientSampled :

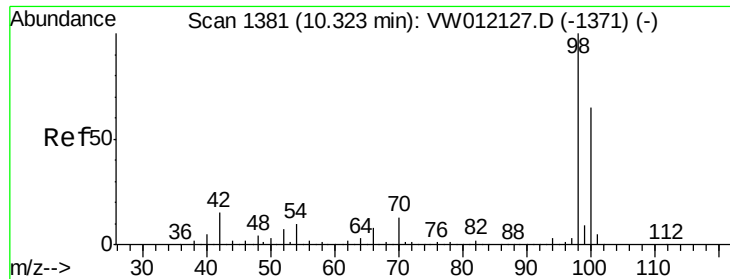
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	15.6	46.8#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.776 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012254.D
 Acq: 28 Aug 2019 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.2	114.2#
121	0.0	23.8	35.8#

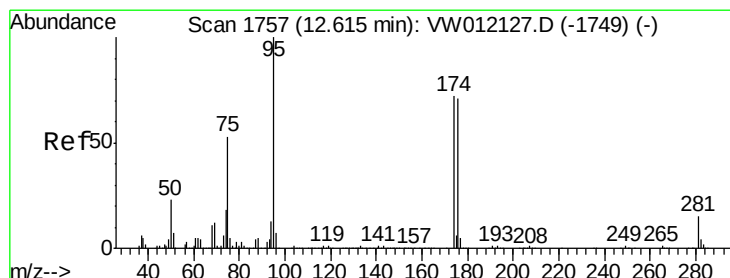
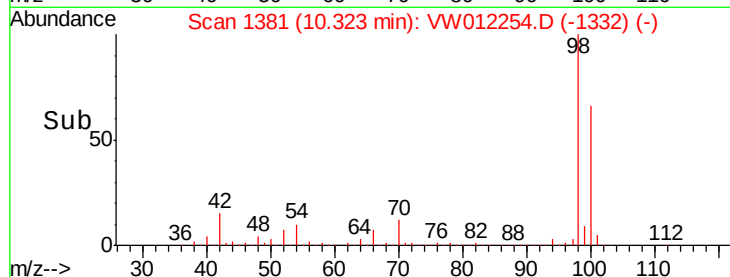
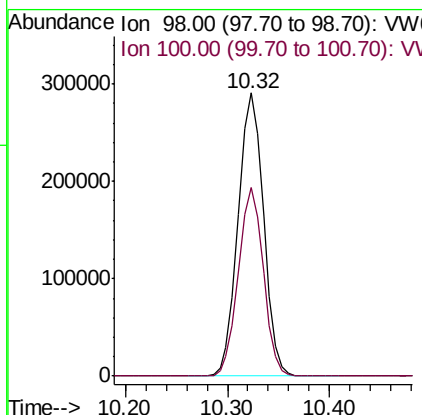
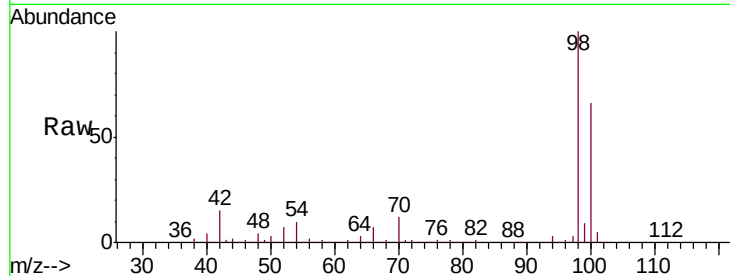




#50
Toluene-d8
Concen: 50.714 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012254.D
Acq: 28 Aug 2019 15:15

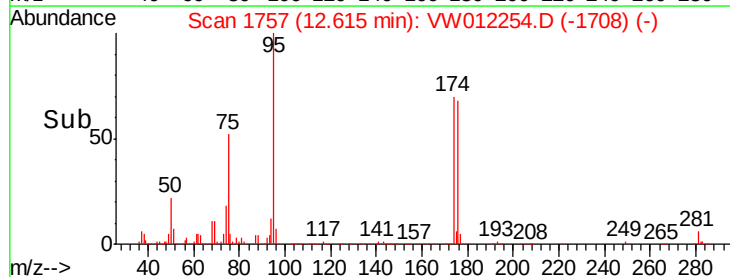
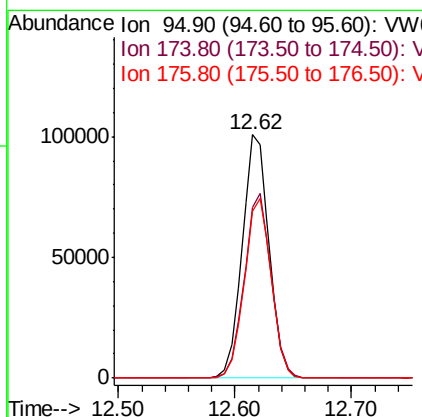
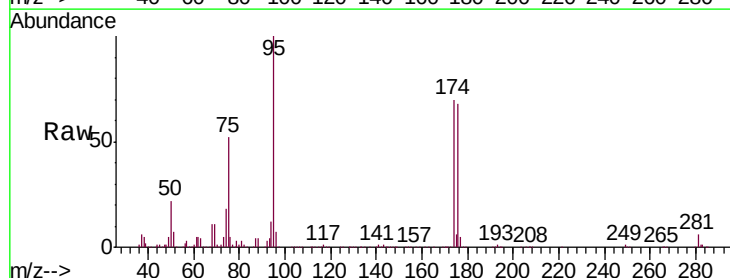
Instrument :
MSVOA_W
ClientSampleId :

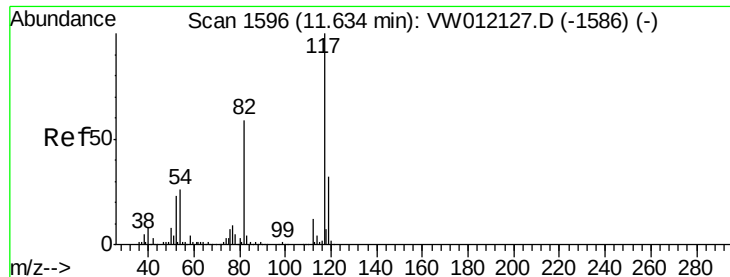
Tot Ion: 98 Resp: 501365
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.485 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012254.D
Acq: 28 Aug 2019 15:15

Tgt Ion: 95 Resp: 161995
Ion Ratio Lower Upper
95 100
174 75.9 0.0 150.8
176 74.1 0.0 148.6

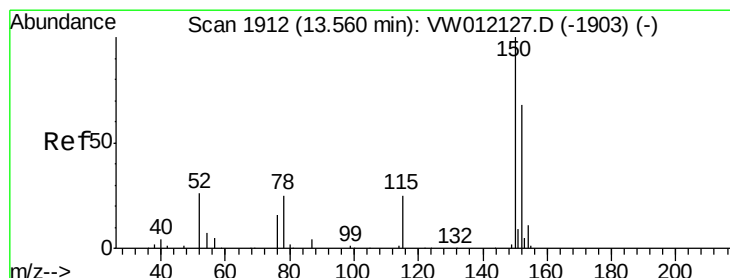
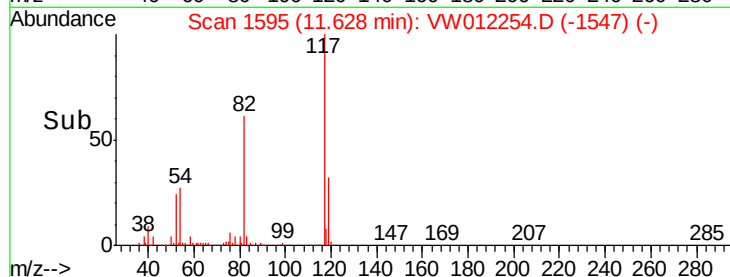
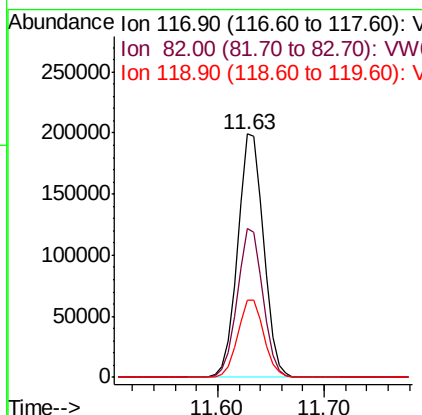
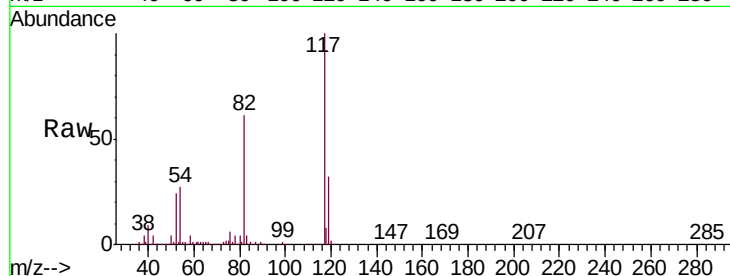




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012254.D
Acq: 28 Aug 2019 15:15

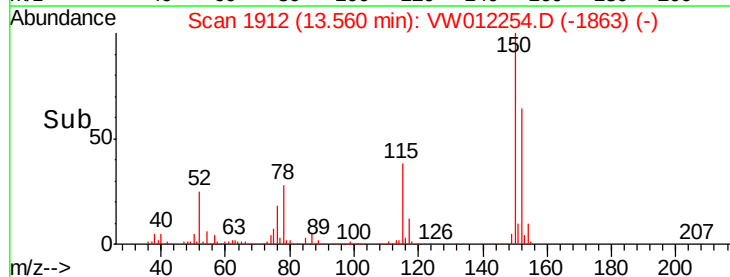
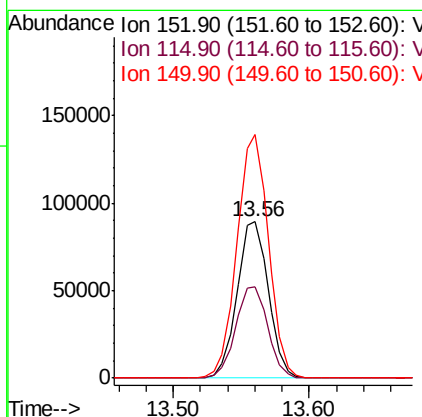
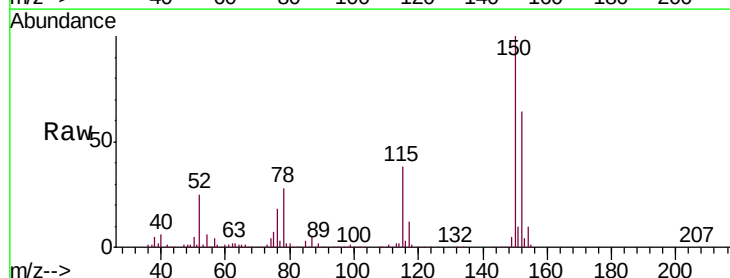
Instrument :
MSVOA_W
ClientSampled :

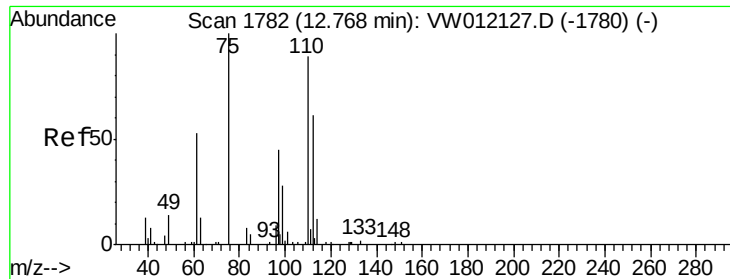
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	47.4	71.2
119	31.8	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012254.D
Acq: 28 Aug 2019 15:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.3
150	157.0	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 61.156 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012254.D

Acq: 28 Aug 2019 15:15

Instrument :

MSVOA_W

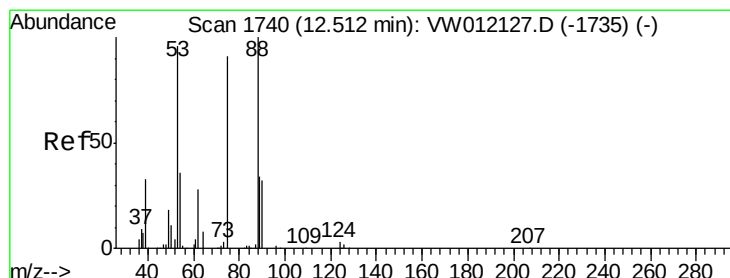
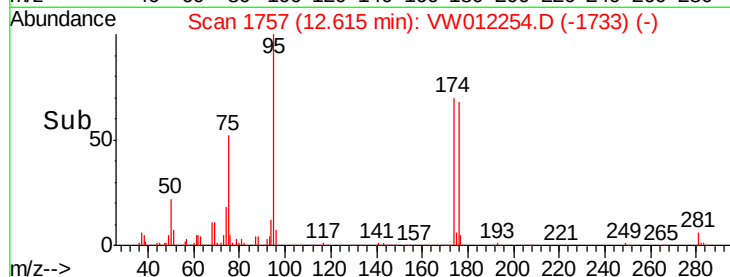
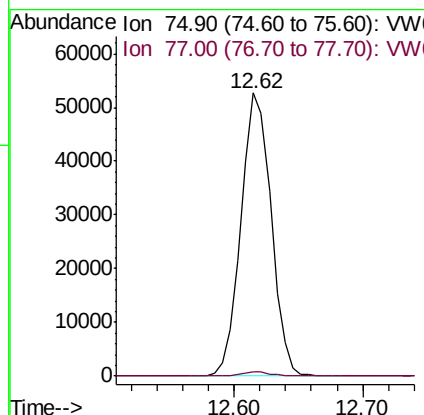
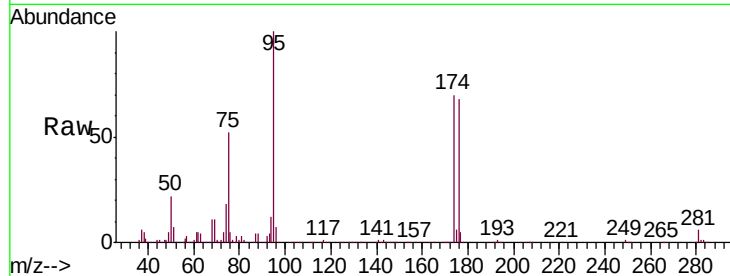
ClientSampleId :

Tot Ion: 75 Resp: 85150

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 134.087 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012254.D

Acq: 28 Aug 2019 15:15

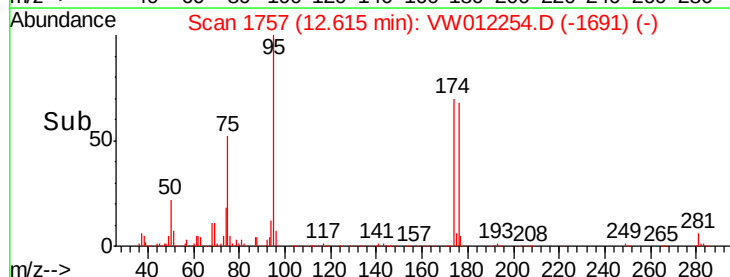
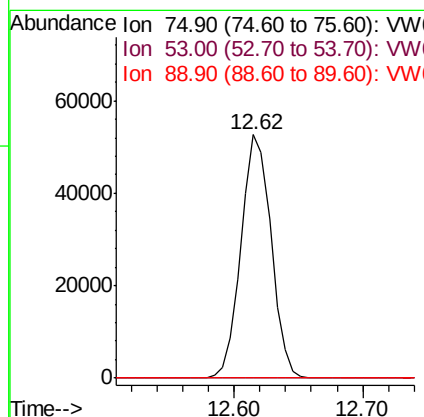
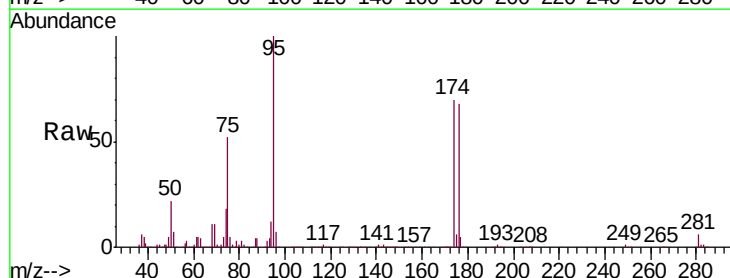
Tgt Ion: 75 Resp: 85150

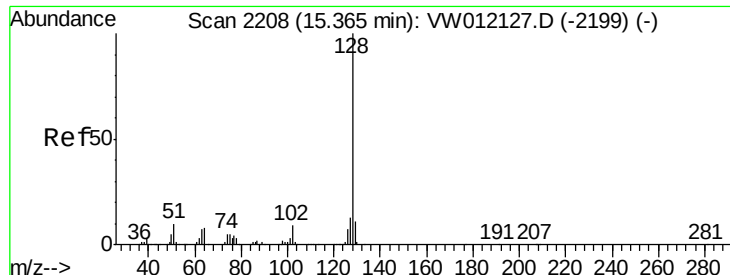
Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#

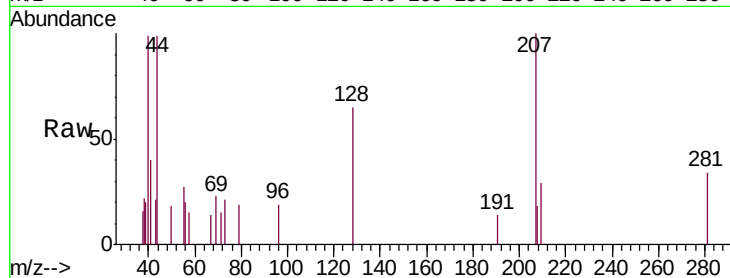




#95
Naphthalene
Concen: 4.376 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012254.D
Acq: 28 Aug 2019 15:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	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

