

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015280.D
 Acq On : 21 Apr 2020 23:48
 Operator : SY/VA
 Sample : L2314-08
 Misc : 4.84G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 06:04:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	212093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	291771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	261529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	112910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	78563	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
35) Dibromofluoromethane	7.88	113	80903	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	10.32	98	352463	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.62	95	116249	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	

Target Compounds

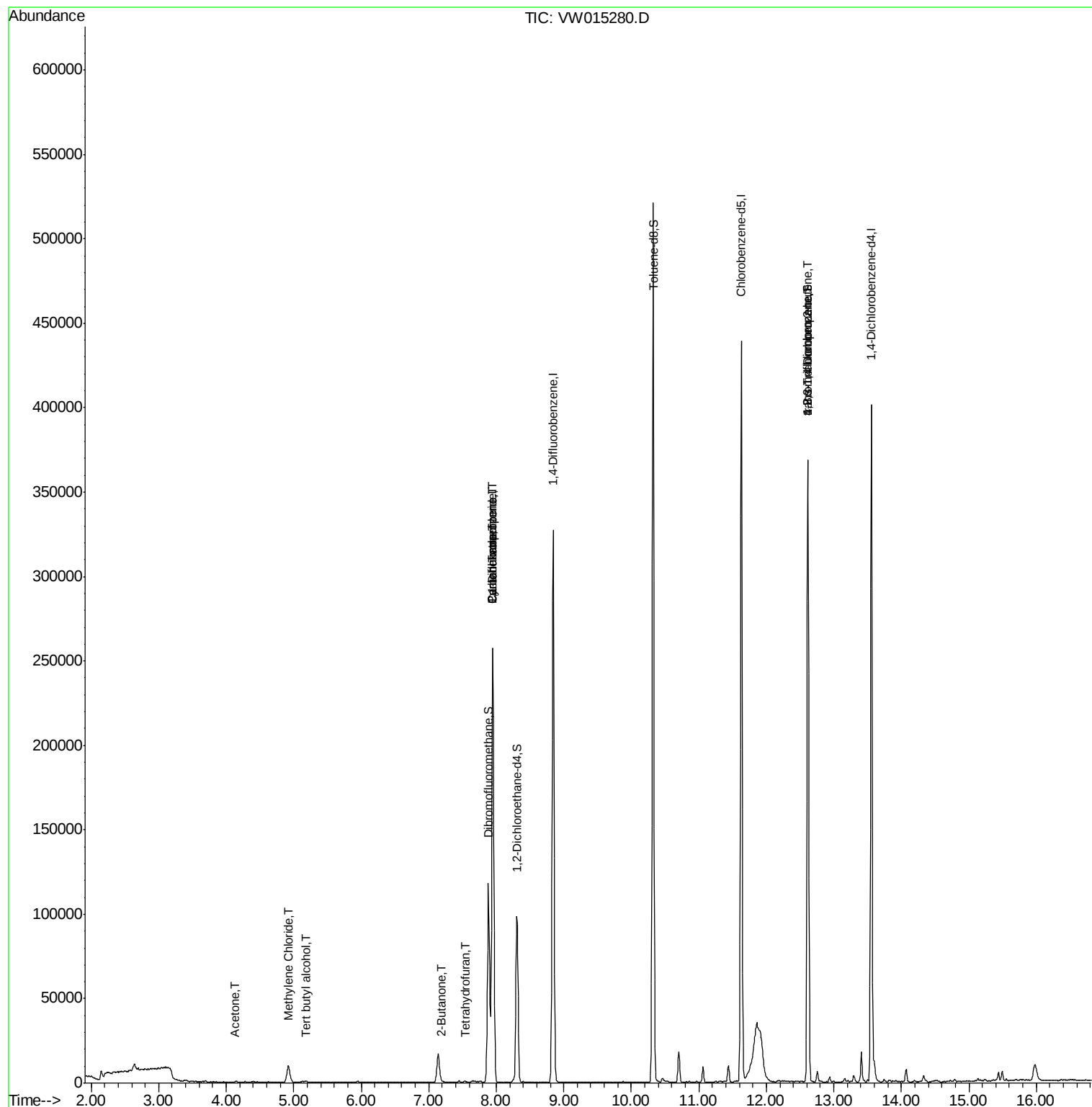
					Qvalue	
11) Tert butyl alcohol	5.18	59	812	5.743	ug/l	97
16) Acetone	4.14	43	748	2.469	ug/l #	88
20) Methylene Chloride	4.92	84	8311	4.186	ug/l	94
25) 2-Butanone	7.20	43	429	1.067	ug/l #	48
29) Tetrahydrofuran	7.54	42	421	1.681	ug/l #	84
31) Cyclohexane	7.95	56	3892	1.213	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13706	5.205	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18946	6.583	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	57577	65.917	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57577	144.095	ug/l #	15

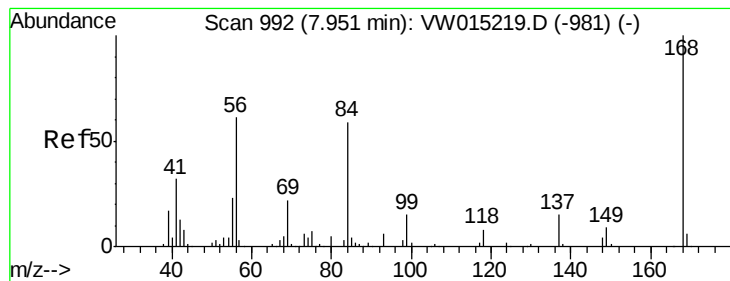
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015280.D

Acq: 21 Apr 2020 23:48

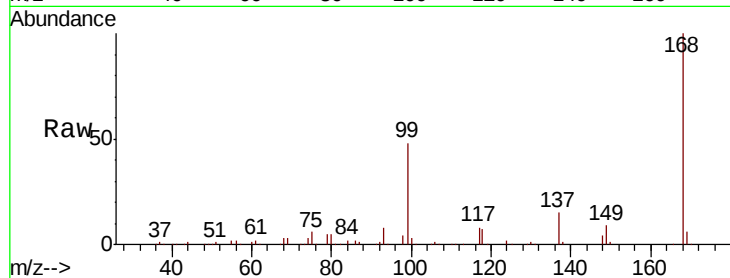
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 212093

Ion Ratio Lower Upper

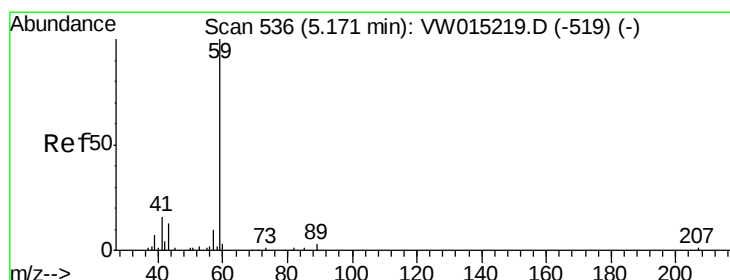
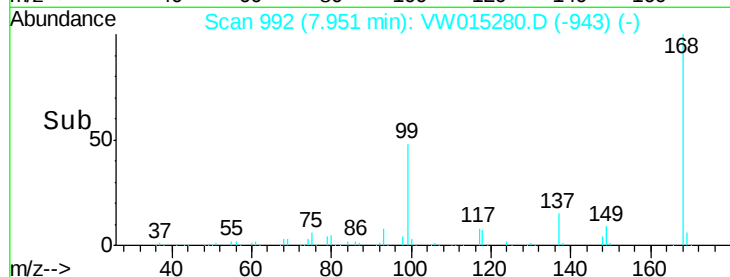
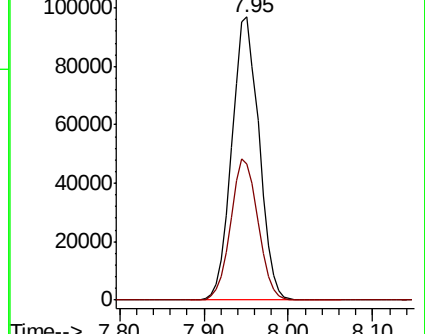
168 100

99 48.3 48.5 72.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.743 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW015280.D

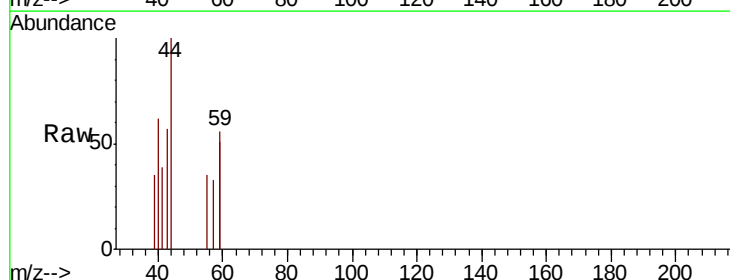
Acq: 21 Apr 2020 23:48

Tgt Ion: 59 Resp: 812

Ion Ratio Lower Upper

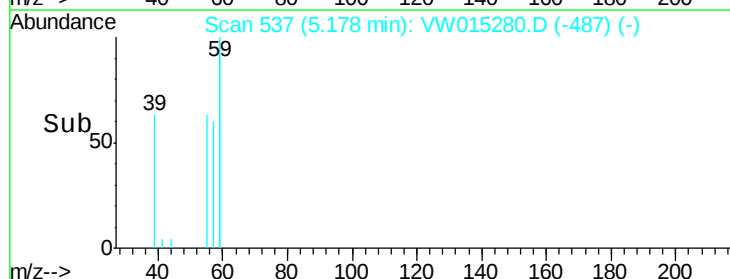
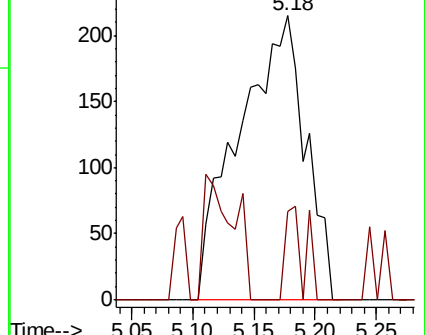
59 100

57 9.2 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.469 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015280.D

Acq: 21 Apr 2020 23:48

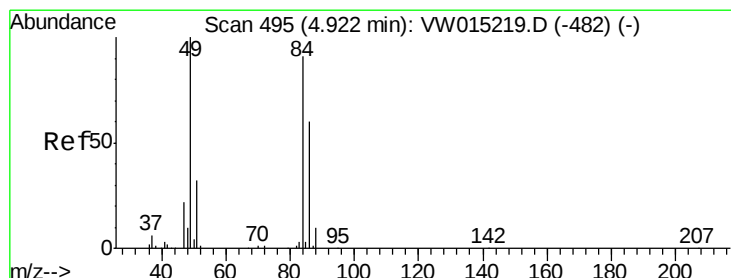
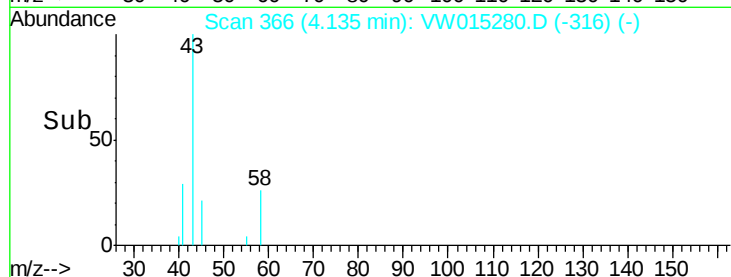
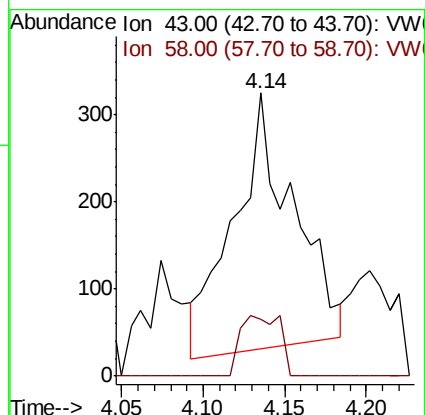
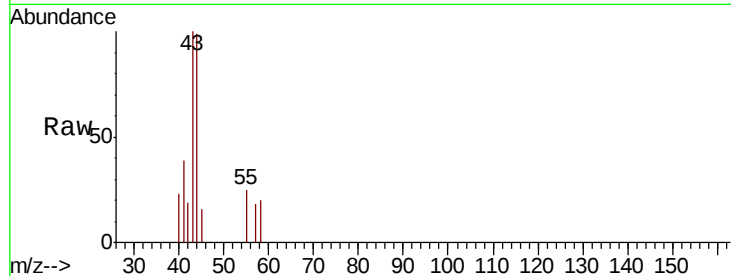
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 748

Ion Ratio Lower Upper

43 100

58 26.9 27.0 40.4#



#20

Methylene Chloride

Concen: 4.186 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW015280.D

Acq: 21 Apr 2020 23:48

Tgt Ion: 84 Resp: 8311

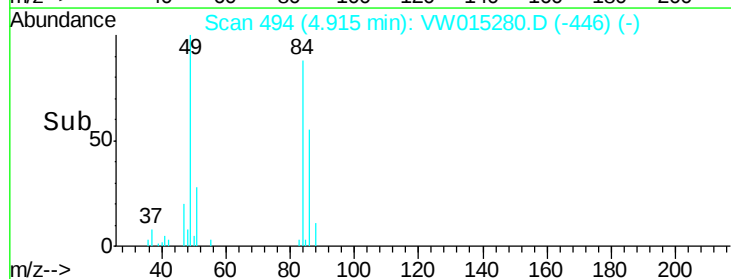
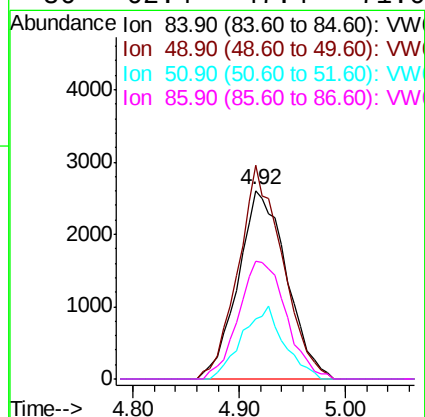
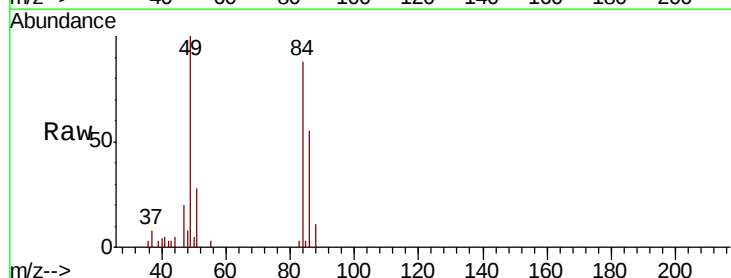
Ion Ratio Lower Upper

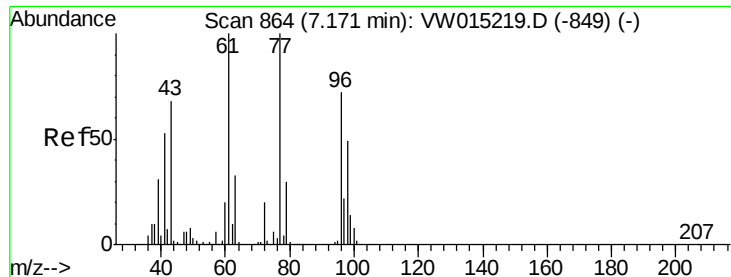
84 100

49 113.4 95.4 143.0

51 31.8 29.8 44.8

86 62.4 47.4 71.0





#25

2-Butanone

Concen: 1.067 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW015280.D

Acq: 21 Apr 2020 23:48

Instrument :

MSVOA_W

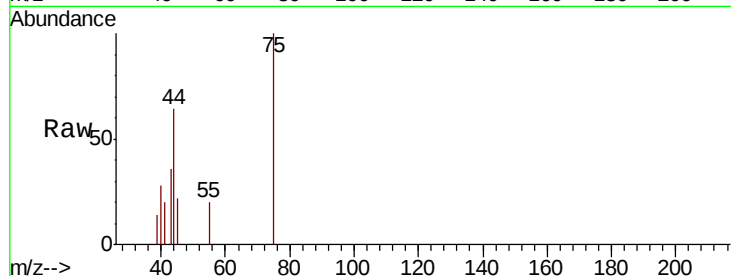
ClientSampled :

Tot Ion: 43 Resp: 429

Ion Ratio Lower Upper

43 100

72 0.0 21.6 32.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

400

300

200

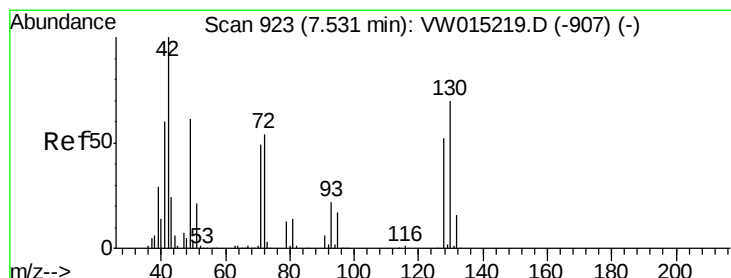
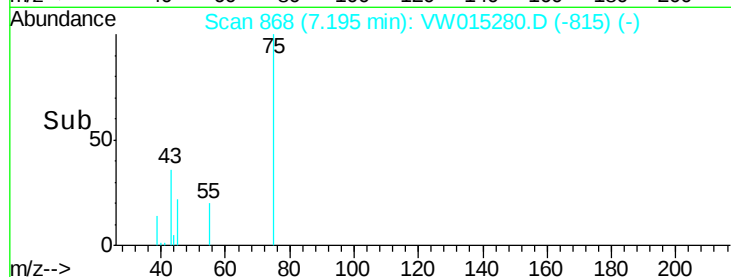
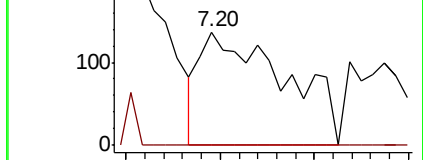
100

0

7.15

7.20

7.25



#29

Tetrahydrofuran

Concen: 1.681 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW015280.D

Acq: 21 Apr 2020 23:48

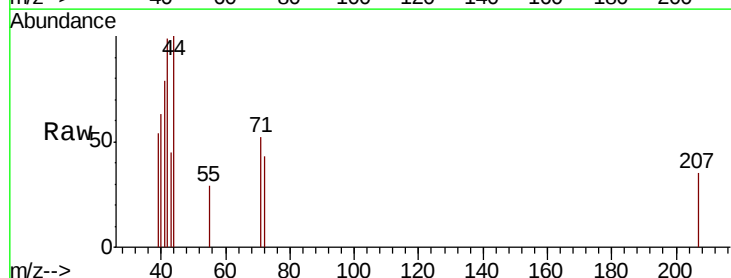
Tgt Ion: 42 Resp: 421

Ion Ratio Lower Upper

42 100

72 41.8 36.2 54.2

71 60.8 34.2 51.4#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

250

200

150

100

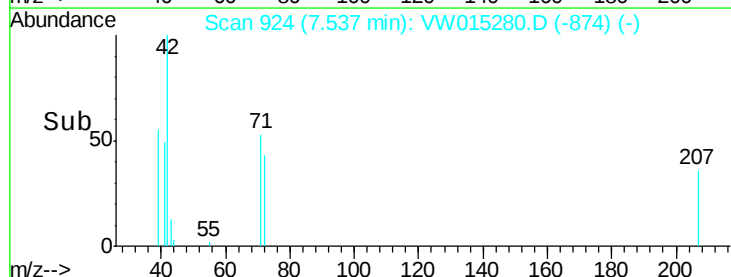
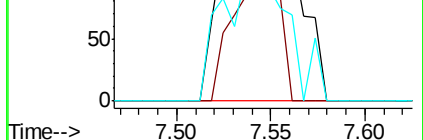
50

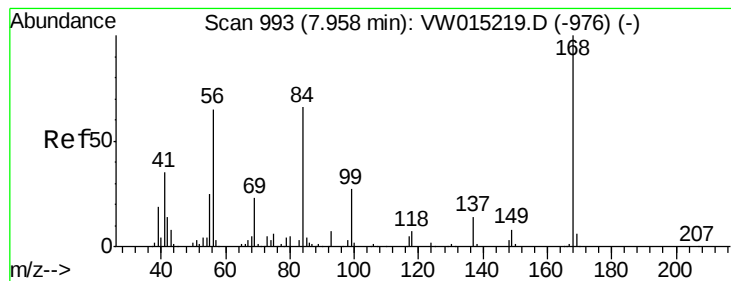
0

7.50

7.54

7.60





#31

Cyclohexane

Concen: 1.213 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015280.D

Acq: 21 Apr 2020 23:48

Instrument :
MSVOA_W
ClientSampled :

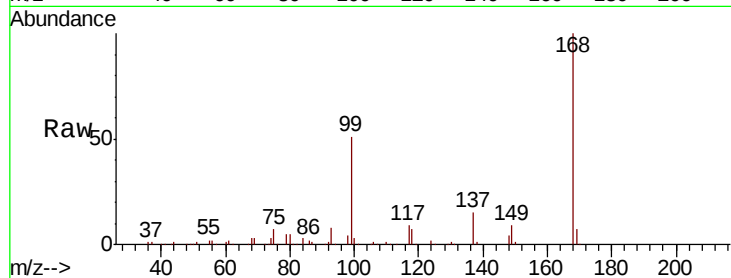
Tot Ion: 56 Resp: 3892

Ion Ratio Lower Upper

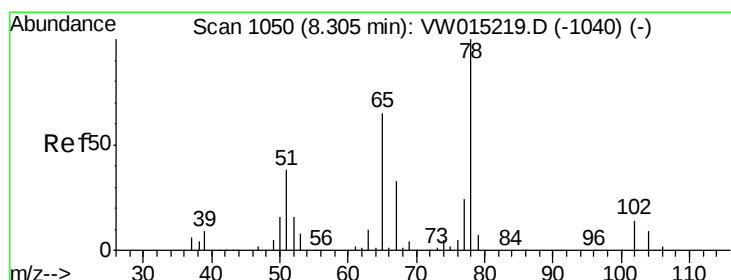
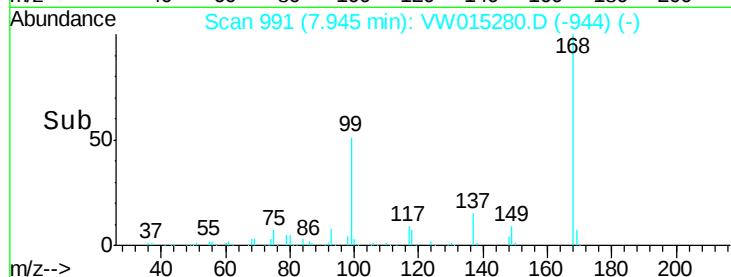
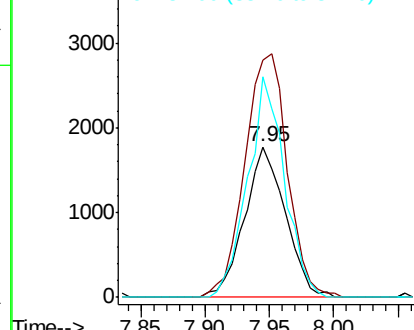
56 100

69 157.4 27.1 40.7#

84 146.8 71.9 107.9#



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: 45.297 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015280.D

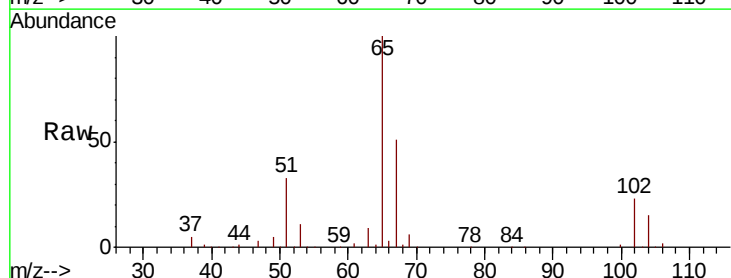
Acq: 21 Apr 2020 23:48

Tgt Ion: 65 Resp: 78563

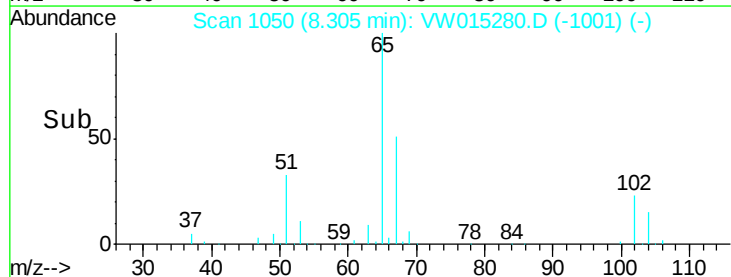
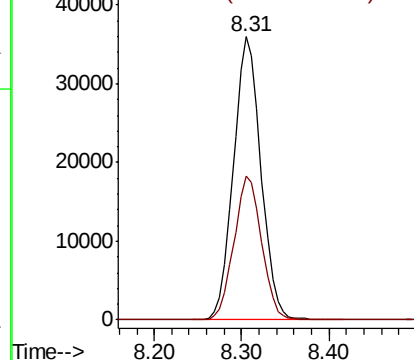
Ion Ratio Lower Upper

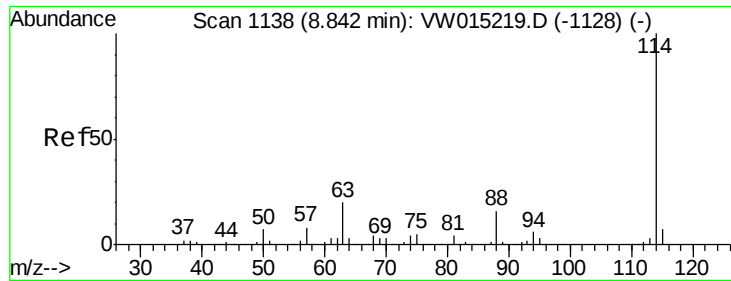
65 100

67 51.2 0.0 107.0



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

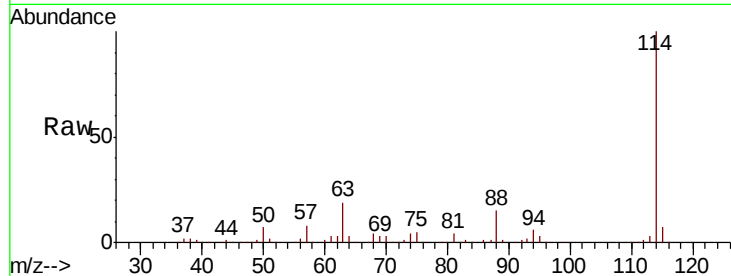




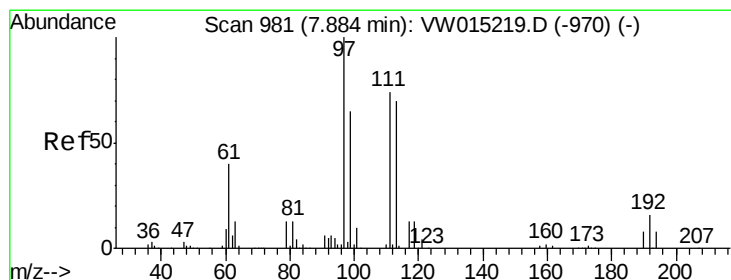
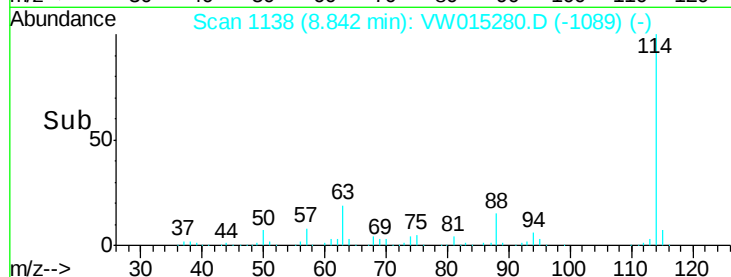
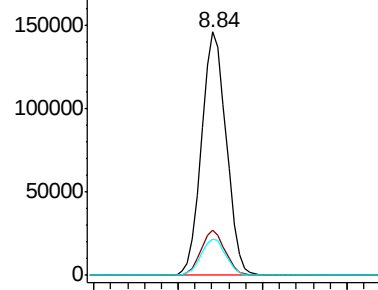
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015280.D
 Acq: 21 Apr 2020 23:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	39.8
88	15.1	0.0	30.2

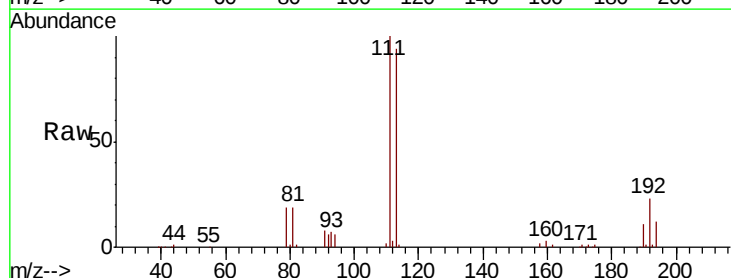


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

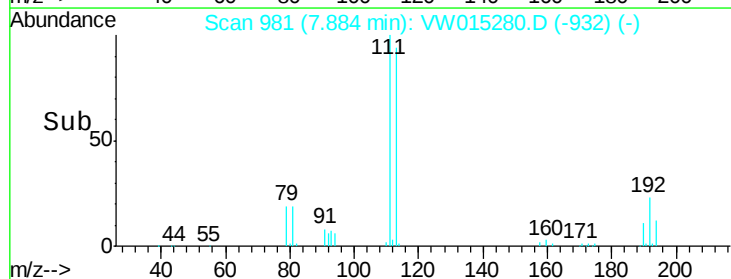
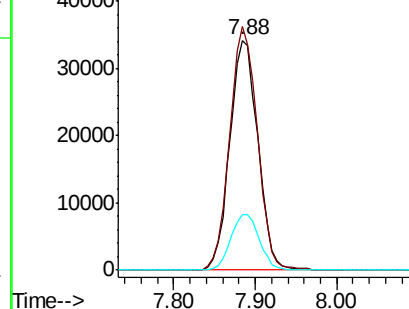


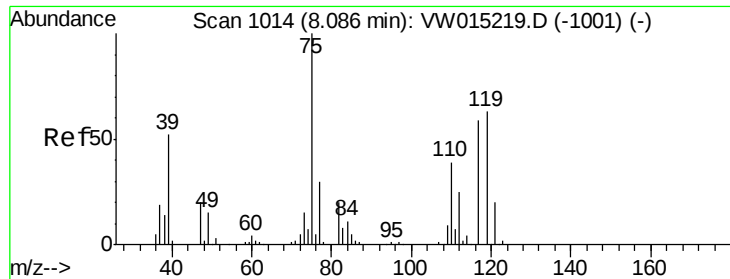
#35
 Dibromofluoromethane
 Concen: 50.058 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015280.D
 Acq: 21 Apr 2020 23:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	83.0	124.4
192	24.3	15.1	22.7#



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

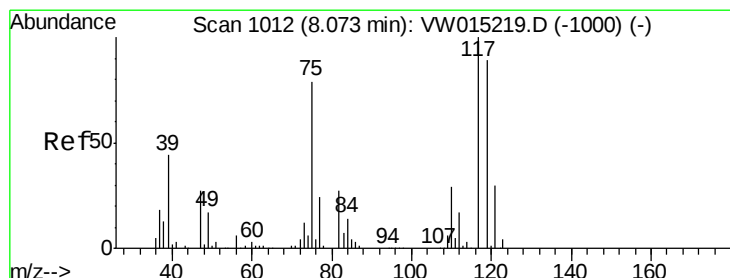
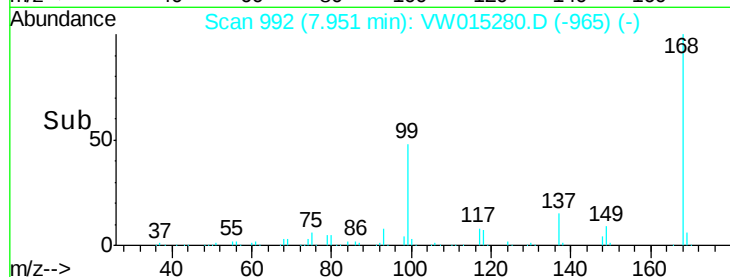
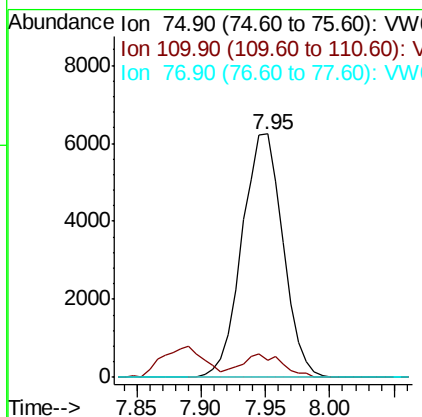
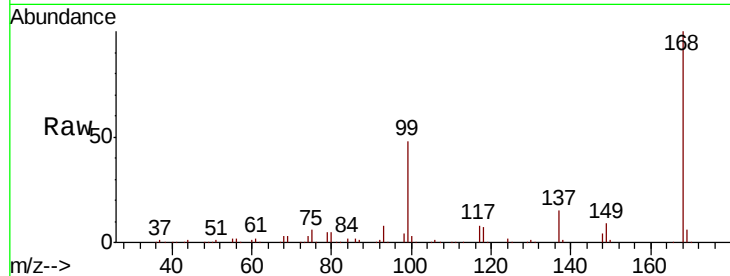




#36
 1,1-Dichloropropene
 Concen: 5.205 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015280.D
 Acq: 21 Apr 2020 23:48

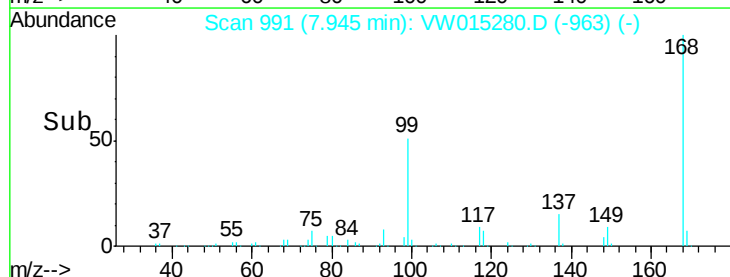
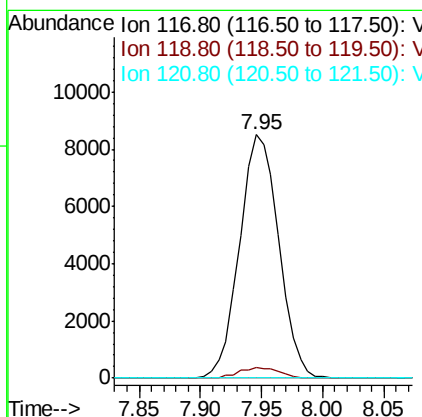
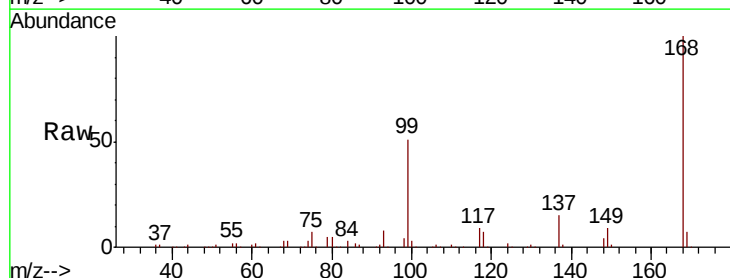
Instrument :
 MSVOA_W
 ClientSampleId :

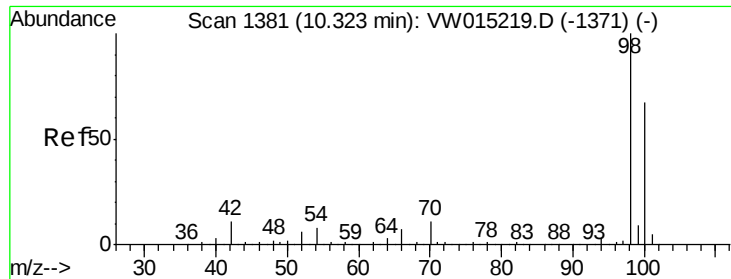
Tot Ion	75	Resp	13706
Ion Ratio	Lower	Upper	
75	100		
110	9.7	18.2	54.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.583 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW015280.D
 Acq: 21 Apr 2020 23:48

Tgt Ion	117	Resp	18946
Ion Ratio	Lower	Upper	
117	100		
119	4.4	72.3	108.5#
121	0.0	23.7	35.5#

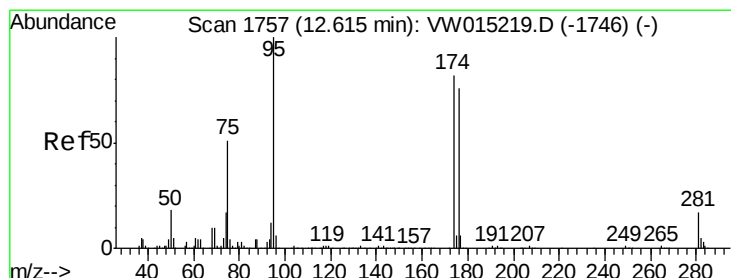
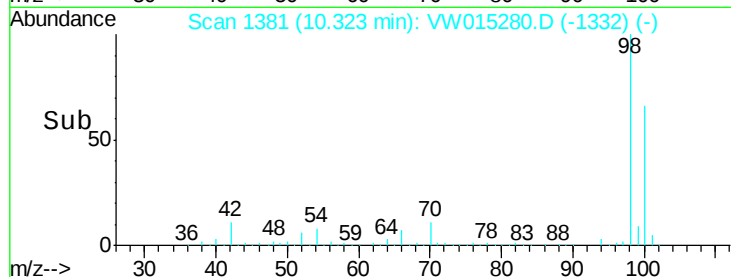
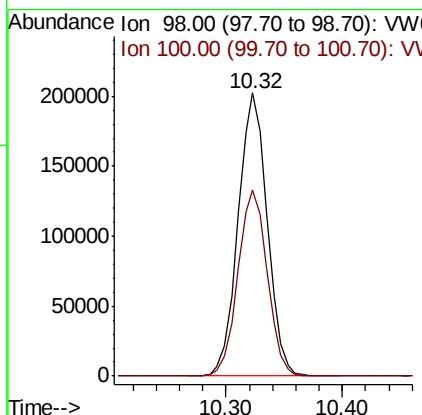
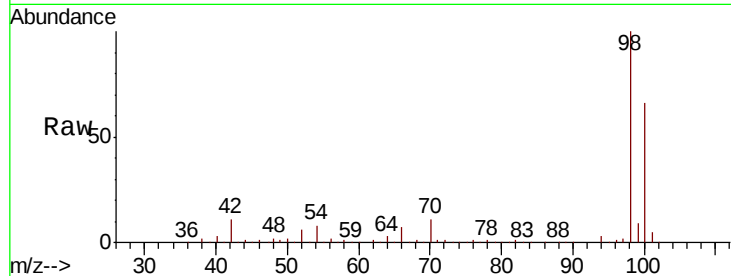




#50
Toluene-d8
Concen: 51.842 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015280.D
Acq: 21 Apr 2020 23:48

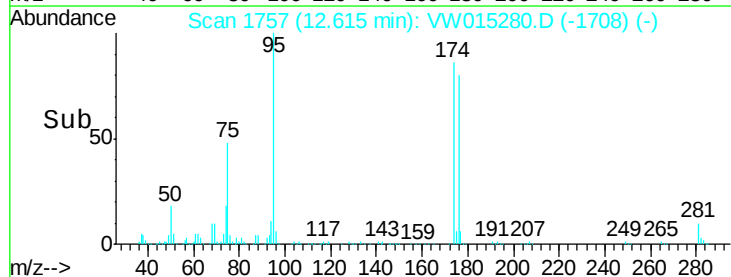
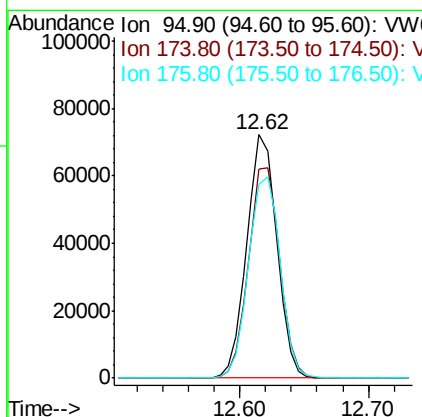
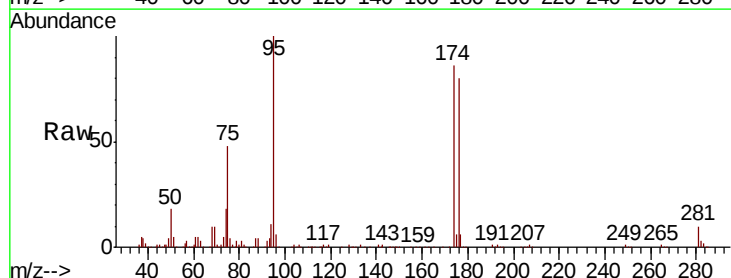
Instrument :
MSVOA_W
ClientSampled :

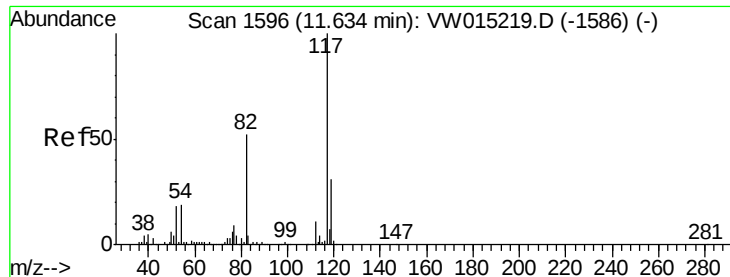
Tot Ion: 98 Resp: 352463
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 44.814 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015280.D
Acq: 21 Apr 2020 23:48

Tgt Ion: 95 Resp: 116249
Ion Ratio Lower Upper
95 100
174 89.7 0.0 144.4
176 87.0 0.0 140.6

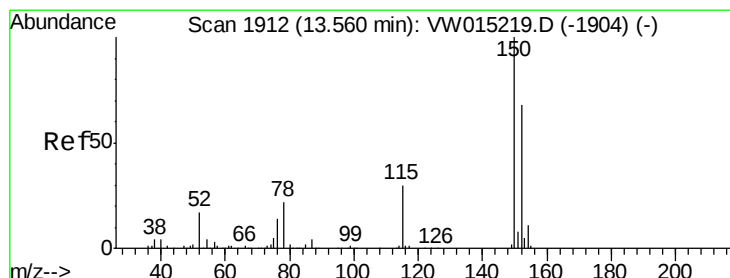
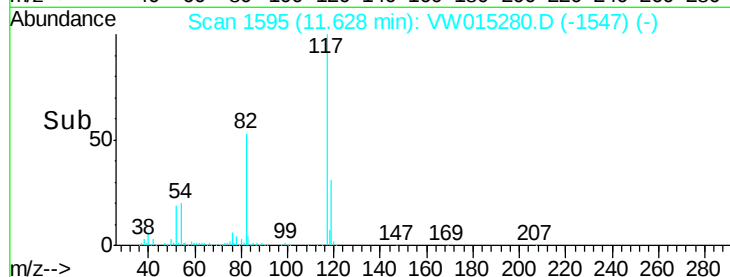
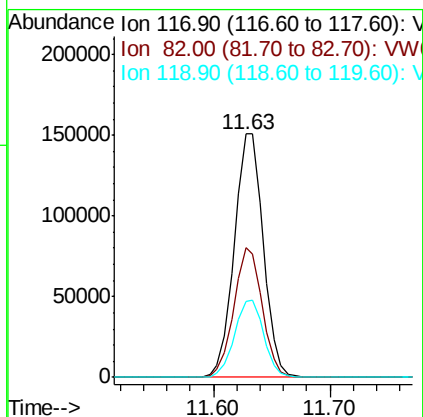
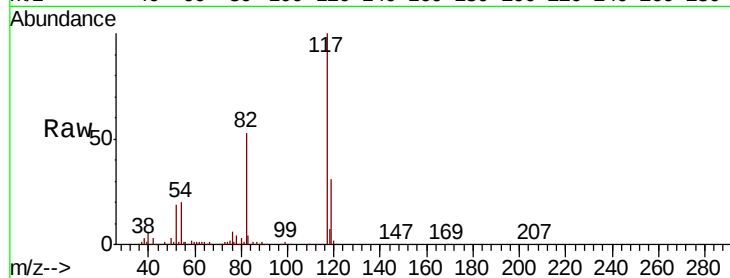




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015280.D
Acq: 21 Apr 2020 23:48

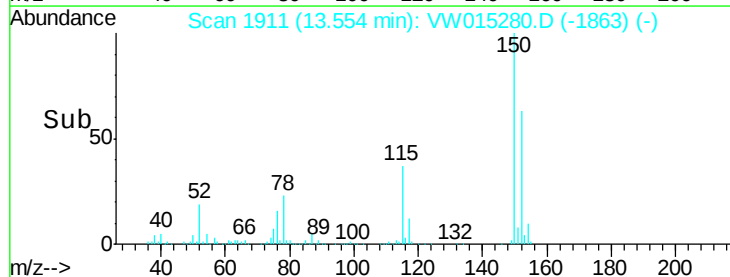
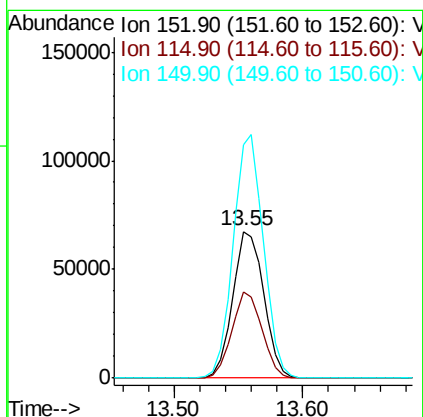
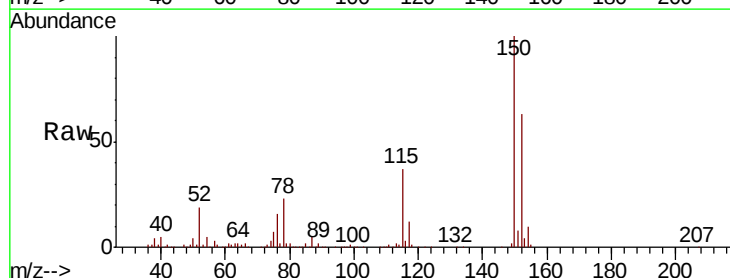
Instrument :
MSVOA_W
ClientSampleId :

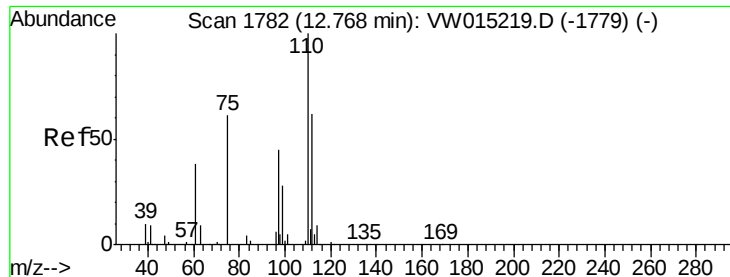
Tot Ion:117 Resp: 261529
Ion Ratio Lower Upper
117 100
82 53.2 44.1 66.1
119 31.0 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015280.D
Acq: 21 Apr 2020 23:48

Tgt Ion:152 Resp: 112910
Ion Ratio Lower Upper
152 100
115 57.1 31.3 93.9
150 161.2 0.0 343.4

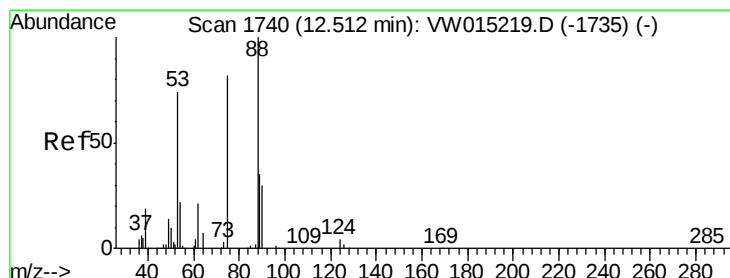
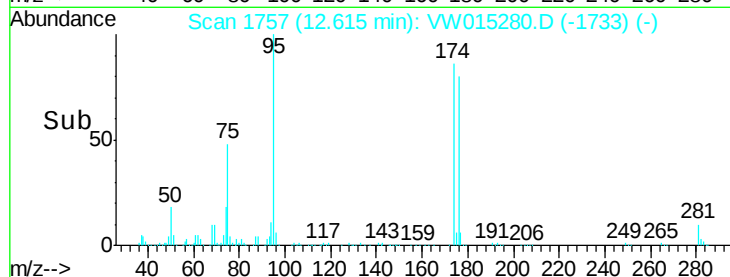
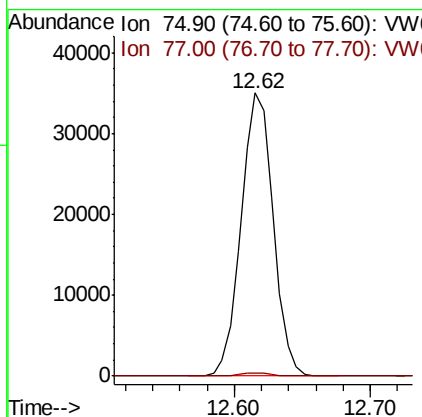
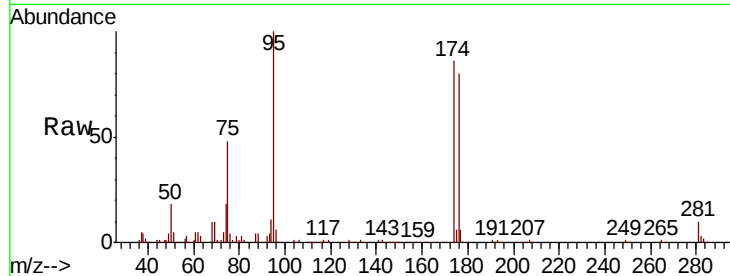




#76
 1,2,3-Trichloropropane
 Concen: 65.917 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW015280.D
 Acq: 21 Apr 2020 23:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 57577
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.095 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW015280.D
 Acq: 21 Apr 2020 23:48

Tgt Ion: 75 Resp: 57577
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.2#
 89 0.0 34.8 52.2#

