

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015251.D
 Acq On : 21 Apr 2020 10:21
 Operator : SY/VA
 Sample : VW0421SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 05:52:04 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	226341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	312884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124906	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	84537	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	
35) Dibromofluoromethane	7.88	113	87559	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	10.32	98	379660	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.61	95	123987	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	

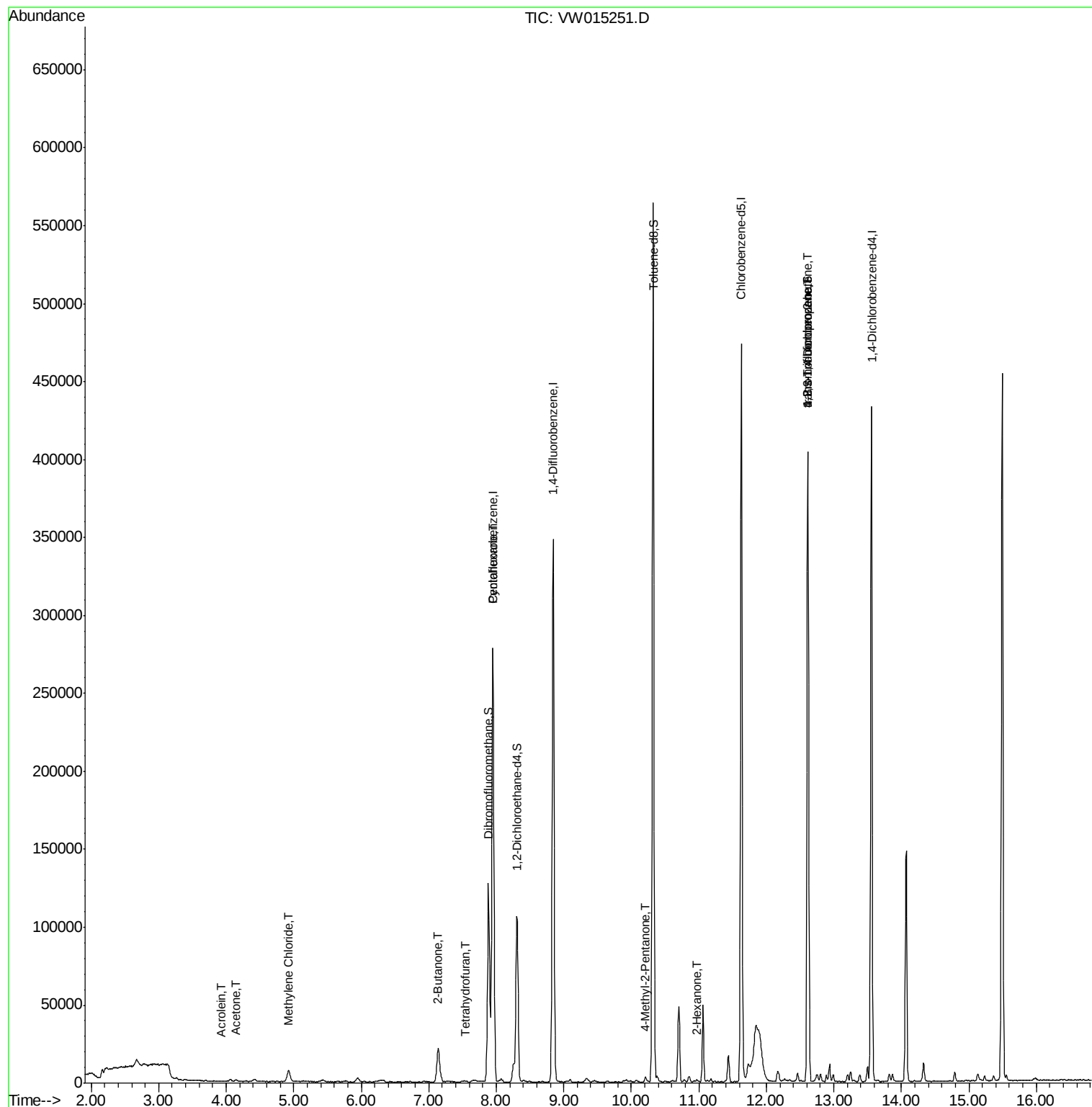
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.92	56	350	4.432	ug/l #	71
16) Acetone	4.14	43	1781	5.509	ug/l	99
20) Methylene Chloride	4.93	84	6125	2.891	ug/l	90
25) 2-Butanone	7.13	43	1278	2.980	ug/l #	76
29) Tetrahydrofuran	7.54	42	633	2.369	ug/l #	60
31) Cyclohexane	7.95	56	4932	1.441	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	2473	2.741	ug/l	96
59) 2-Hexanone	10.98	43	936	1.453	ug/l	88
76) 1,2,3-Trichloropropane	12.61	75	61870	64.029	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	61870	139.968	ug/l #	15

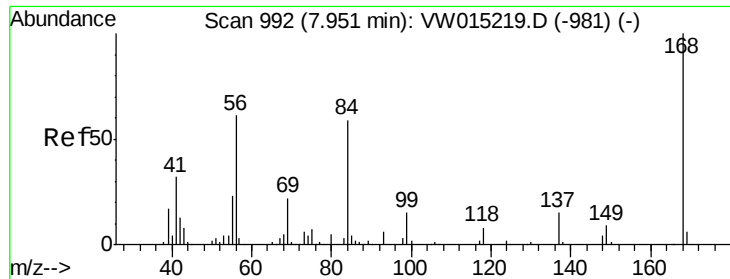
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042120\
Data File : VW015251.D
Acq On : 21 Apr 2020 10:21
Operator : SY/VA
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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Apr 22 05:52:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
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: VW015251.D

Acq: 21 Apr 2020 10:21

Instrument :

MSVOA_W

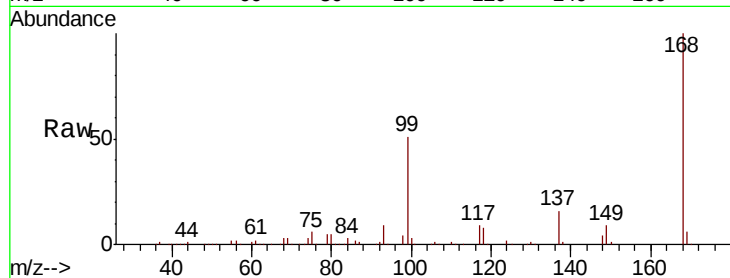
ClientSampled :

Tot Ion:168 Resp: 226341

Ion Ratio Lower Upper

168 100

99 51.3 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

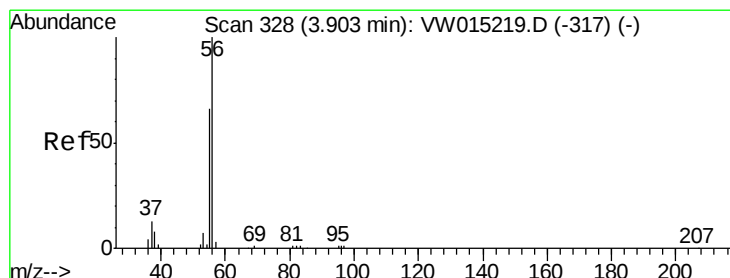
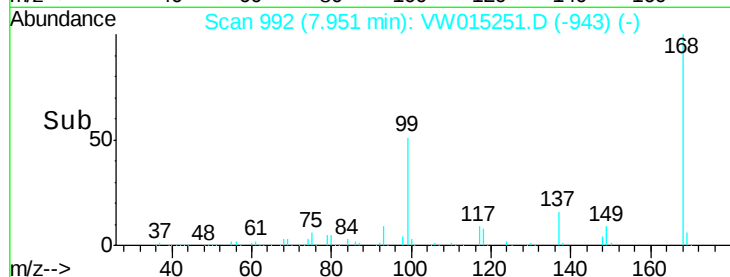
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#13

Acrolein

Concen: 4.432 ug/l

RT: 3.92 min Scan# 331

Delta R.T. 0.02 min

Lab File: VW015251.D

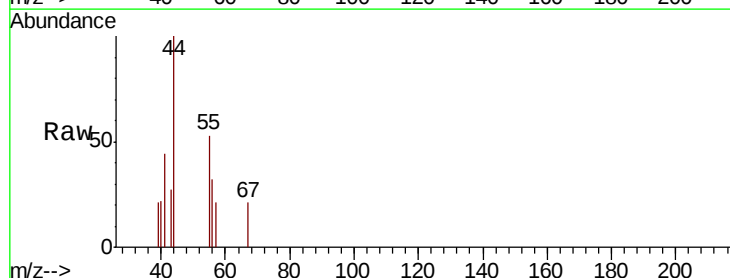
Acq: 21 Apr 2020 10:21

Tgt Ion: 56 Resp: 350

Ion Ratio Lower Upper

56 100

55 46.6 56.2 84.2#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.92

200

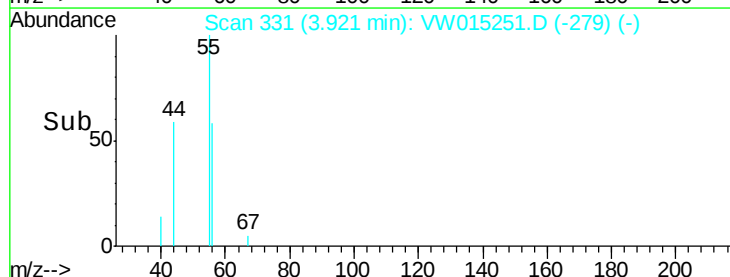
150

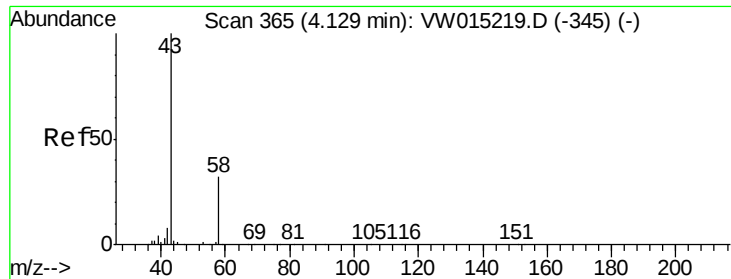
100

50

0

Time--> 3.85 3.90 3.95





#16

Acetone

Concen: 5.509 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW015251.D

Acq: 21 Apr 2020 10:21

Instrument :

MSVOA_W

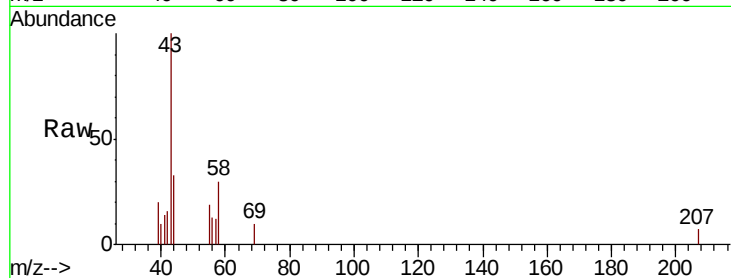
ClientSampleId :

Tot Ion: 43 Resp: 1781

Ion Ratio Lower Upper

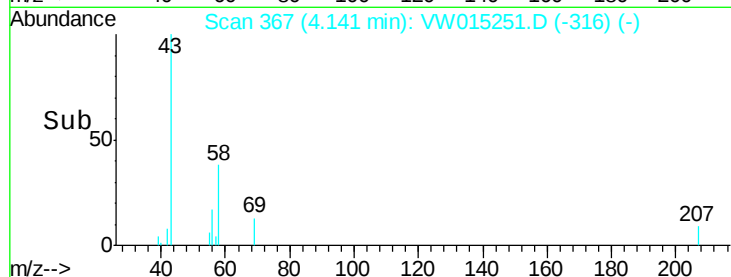
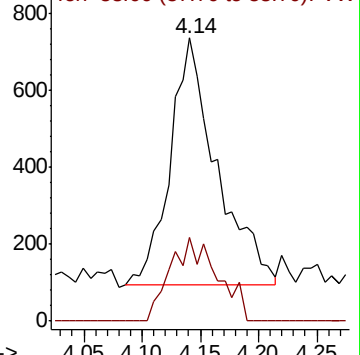
43 100

58 34.0 27.0 40.4

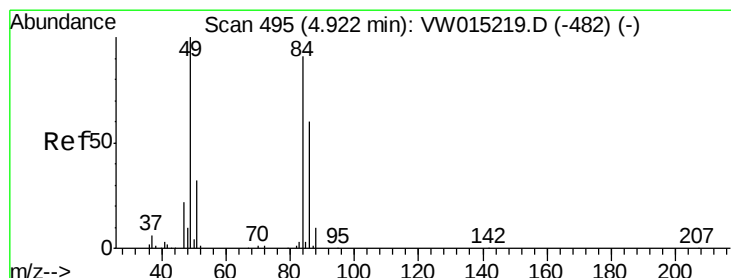


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#20

Methylene Chloride

Concen: 2.891 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW015251.D

Acq: 21 Apr 2020 10:21

Tgt Ion: 84 Resp: 6125

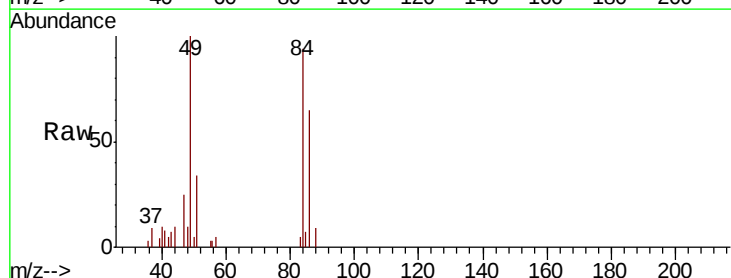
Ion Ratio Lower Upper

84 100

49 106.7 95.4 143.0

51 36.4 29.8 44.8

86 69.2 47.4 71.0

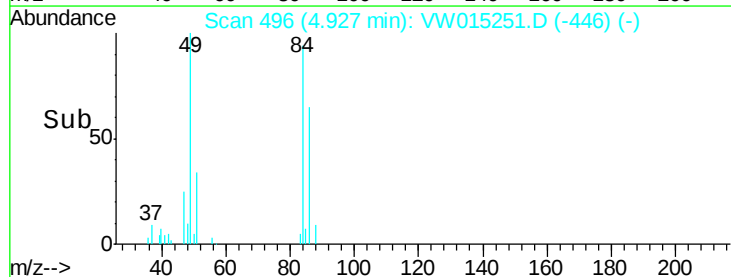
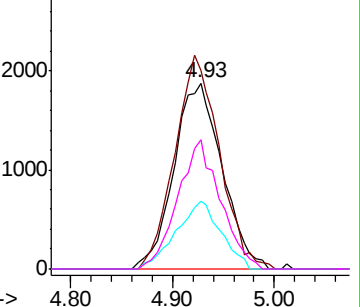


Abundance Ion 83.90 (83.60 to 84.60): VW

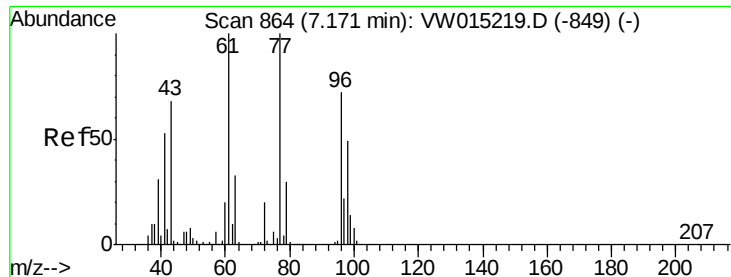
Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time-->



#25

2-Butanone

Concen: 2.980 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW015251.D

Acq: 21 Apr 2020 10:21

Instrument :

MSVOA_W

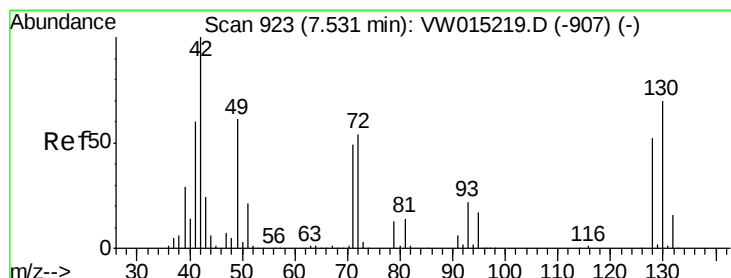
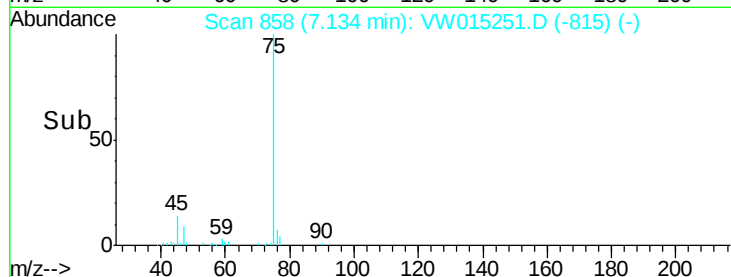
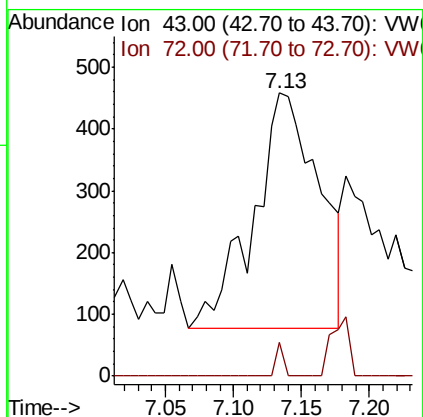
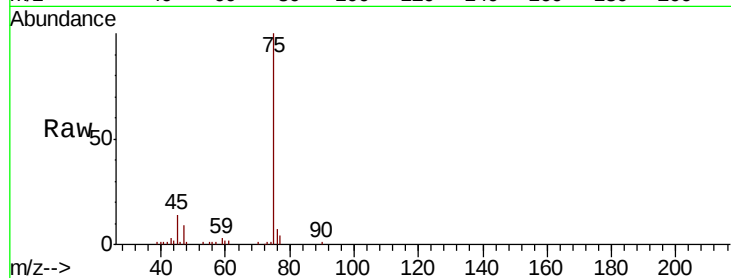
ClientSampled :

Tot Ion: 43 Resp: 1278

Ion Ratio Lower Upper

43 100

72 14.4 21.6 32.4#



#29

Tetrahydrofuran

Concen: 2.369 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW015251.D

Acq: 21 Apr 2020 10:21

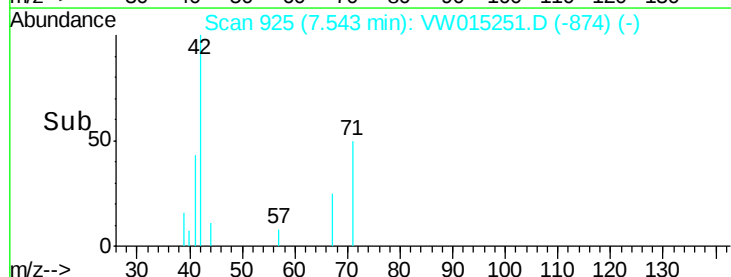
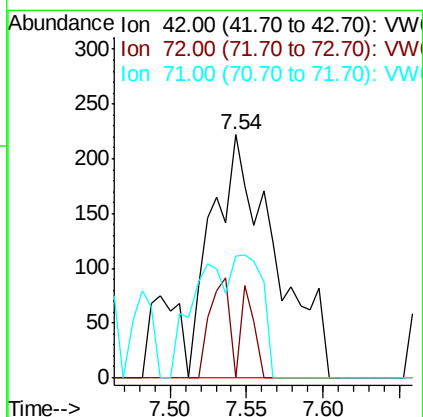
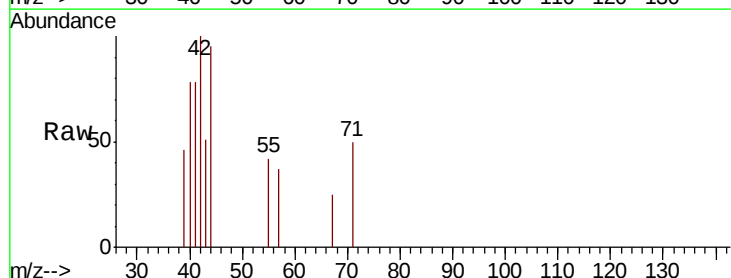
Tgt Ion: 42 Resp: 633

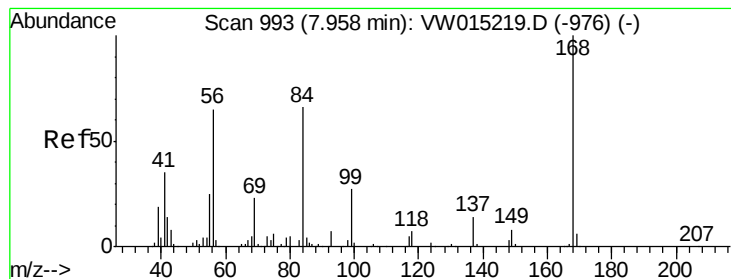
Ion Ratio Lower Upper

42 100

72 13.0 36.2 54.2#

71 24.0 34.2 51.4#





#31

Cyclohexane

Concen: 1.441 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015251.D

Acq: 21 Apr 2020 10:21

Instrument :

MSVOA_W

ClientSampleId :

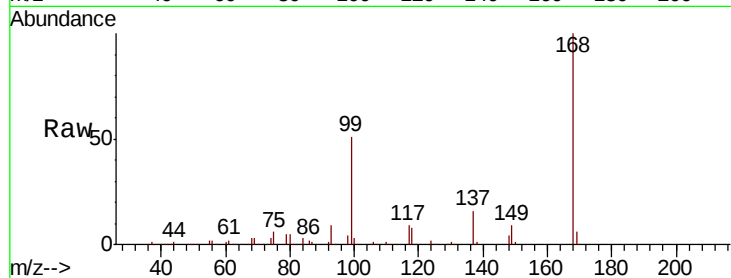
Tot Ion: 56 Resp: 4932

Ion Ratio Lower Upper

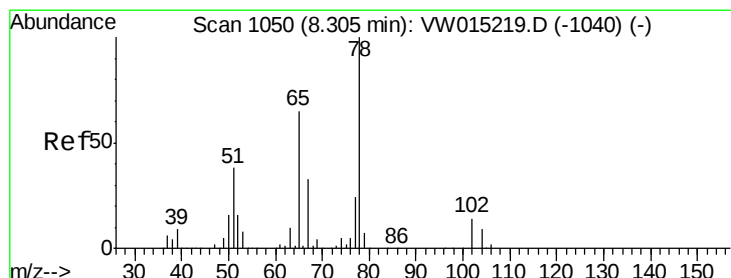
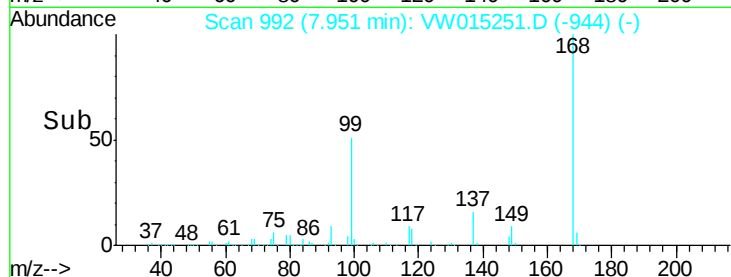
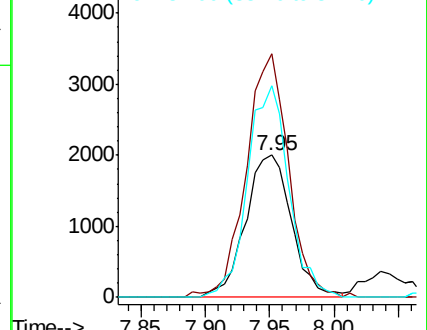
56 100

69 171.0 27.1 40.7#

84 148.7 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: 45.674 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW015251.D

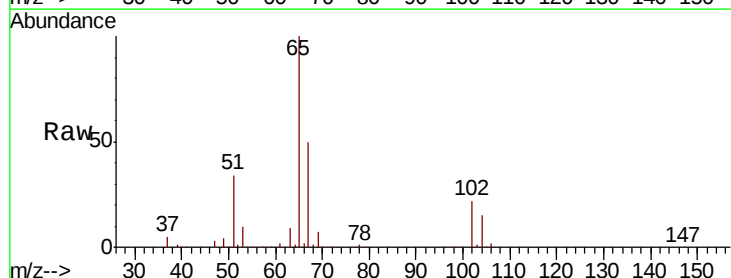
Acq: 21 Apr 2020 10:21

Tgt Ion: 65 Resp: 84537

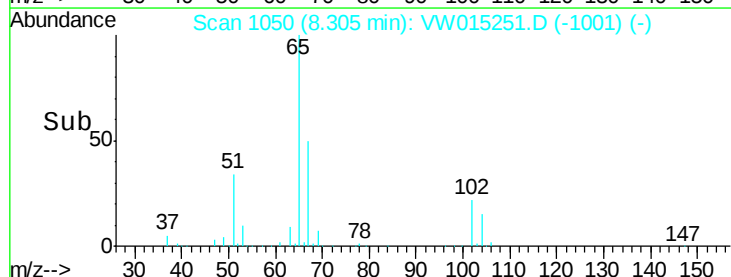
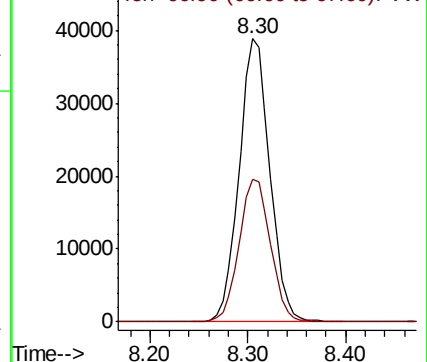
Ion Ratio Lower Upper

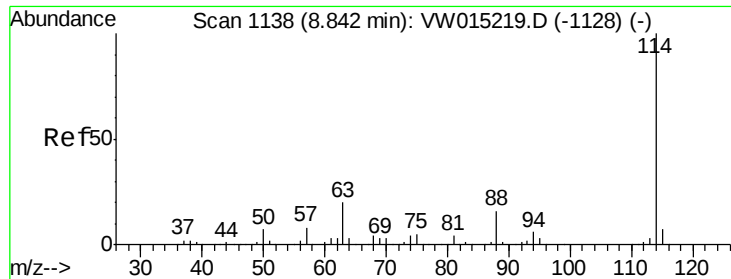
65 100

67 51.1 0.0 107.0



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

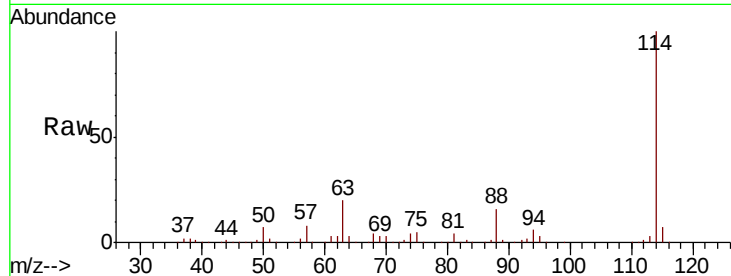




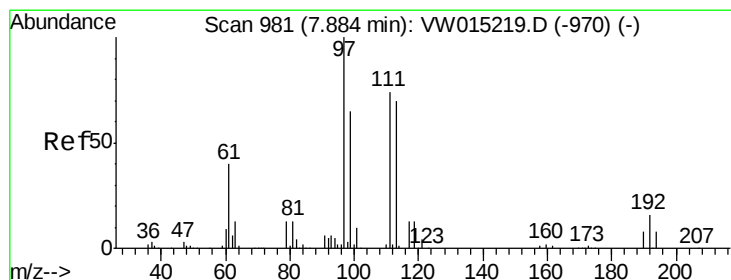
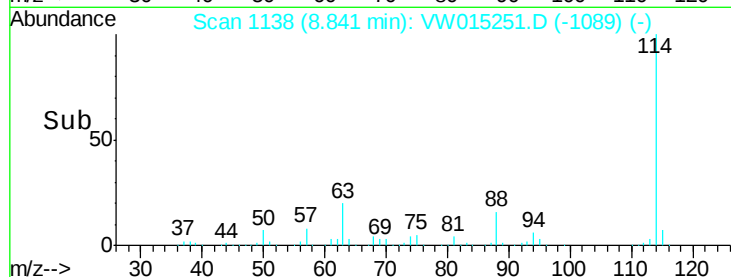
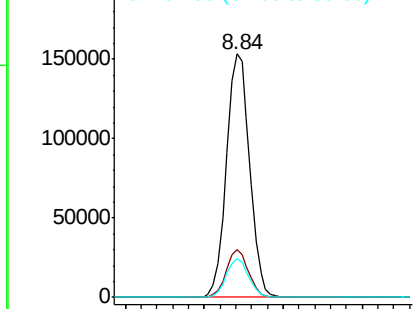
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015251.D
 Acq: 21 Apr 2020 10:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 312884
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 16.0 0.0 30.2

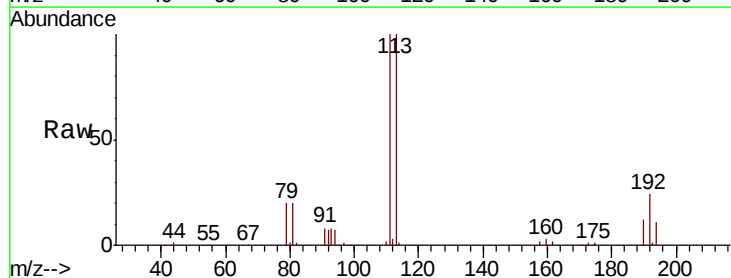


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

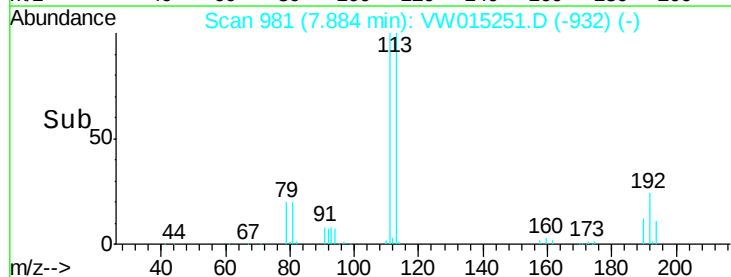
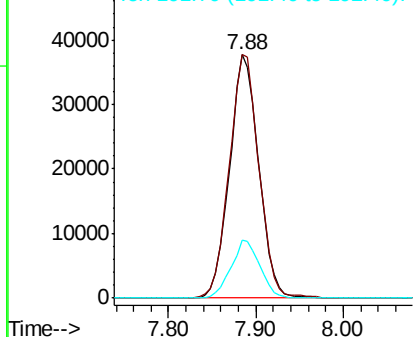


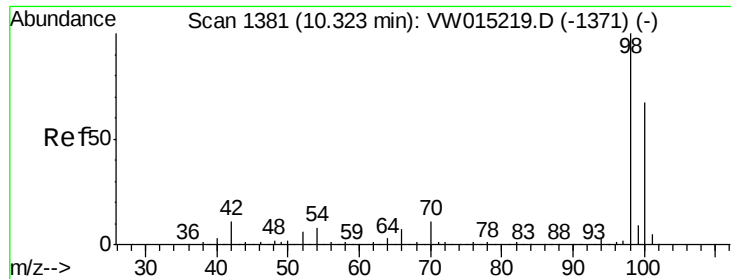
#35
 Dibromofluoromethane
 Concen: 50.521 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW015251.D
 Acq: 21 Apr 2020 10:21

Tgt Ion:113 Resp: 87559
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.0 124.4
 192 23.4 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





#50

Toluene-d8

Concen: 52.074 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015251.D

Acq: 21 Apr 2020 10:21

Instrument :

MSVOA_W

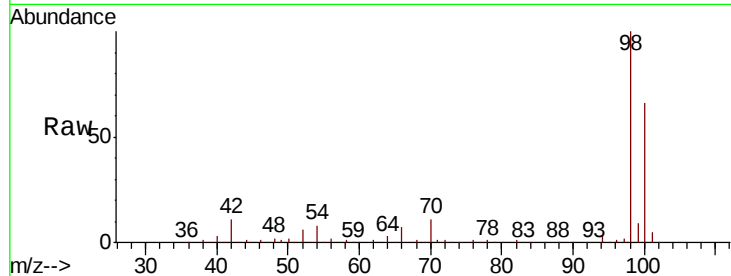
ClientSampleId :

Tot Ion: 98 Resp: 379660

Ion Ratio Lower Upper

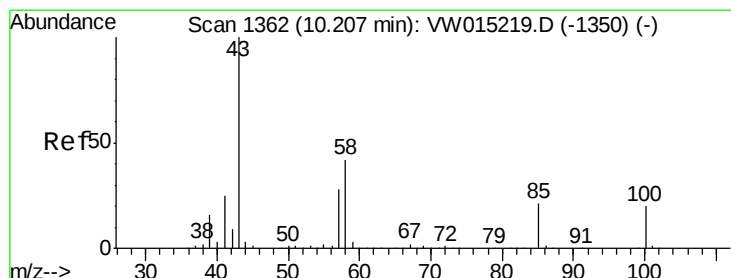
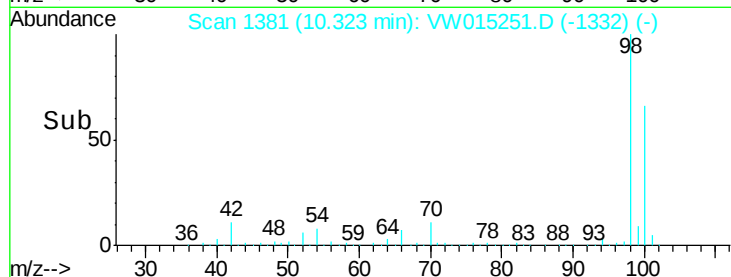
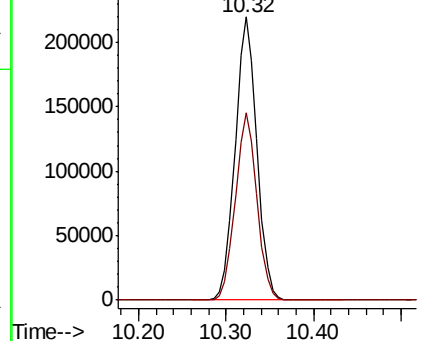
98 100

100 65.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 2.741 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW015251.D

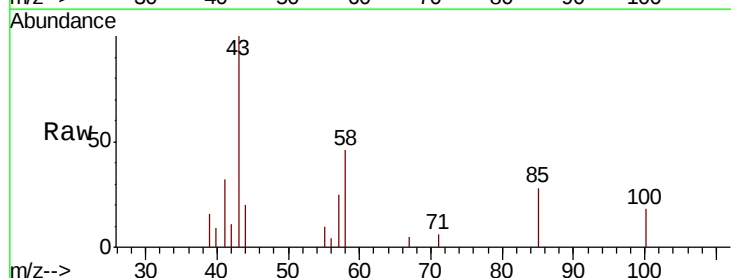
Acq: 21 Apr 2020 10:21

Tgt Ion: 43 Resp: 2473

Ion Ratio Lower Upper

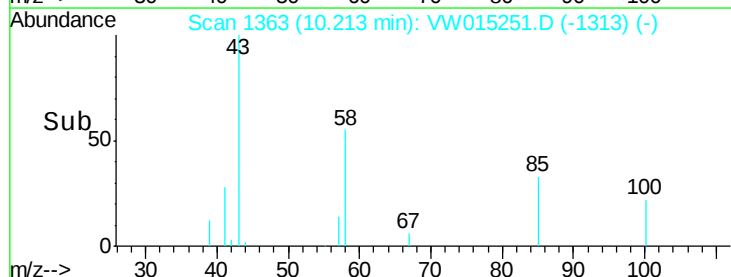
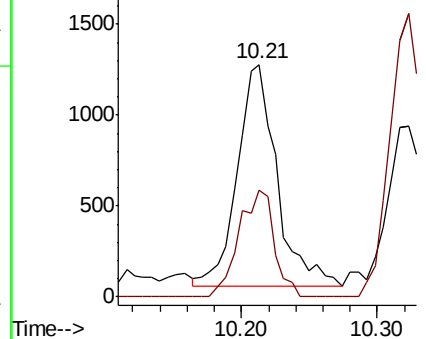
43 100

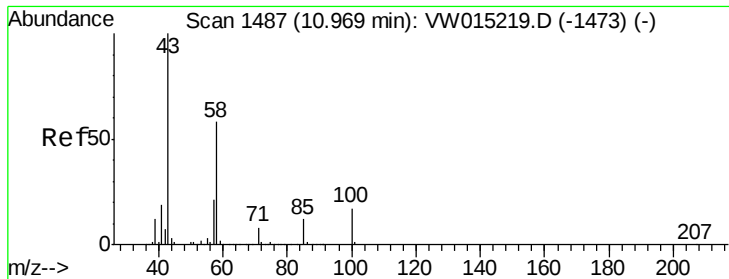
58 42.6 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#59

2-Hexanone

Concen: 1.453 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW015251.D

Acq: 21 Apr 2020 10:21

Instrument :

MSVOA_W

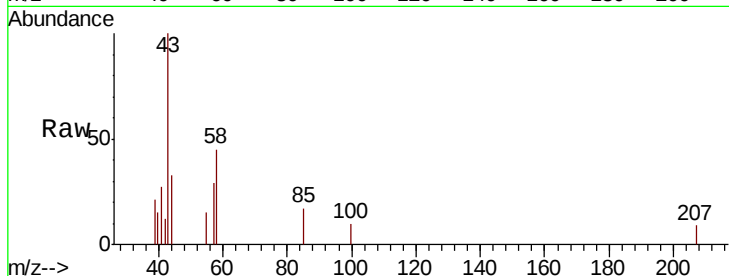
ClientSampleId :

Tot Ion: 43 Resp: 936

Ion Ratio Lower Upper

43 100

58 65.1 28.1 84.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.98

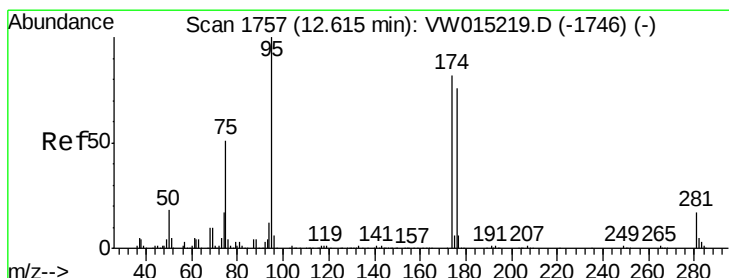
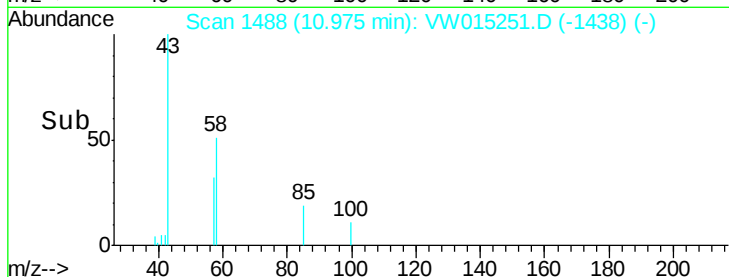
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.572 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015251.D

Acq: 21 Apr 2020 10:21

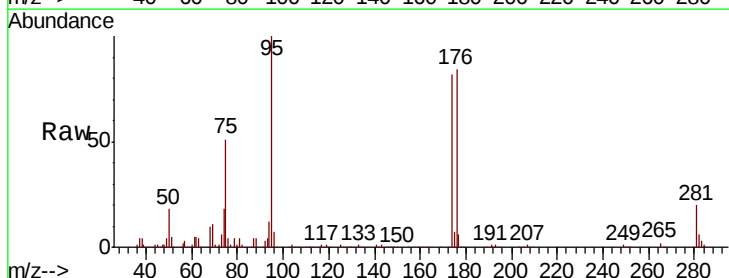
Tgt Ion: 95 Resp: 123987

Ion Ratio Lower Upper

95 100

174 86.0 0.0 144.4

176 84.4 0.0 140.6



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

100000

80000

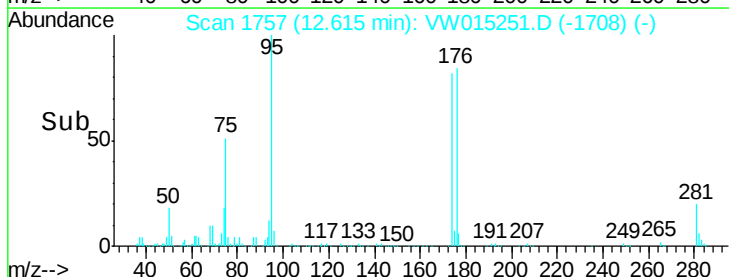
60000

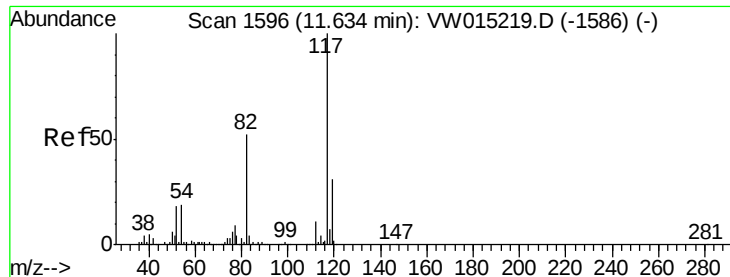
40000

20000

0

Time-->

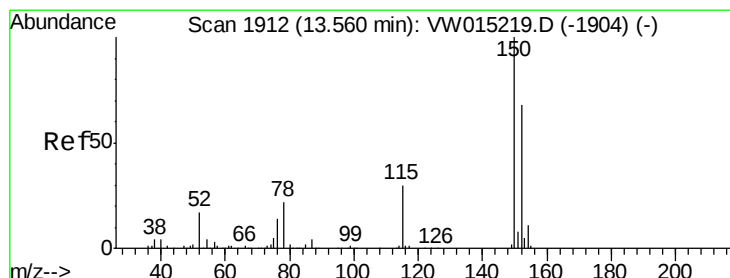
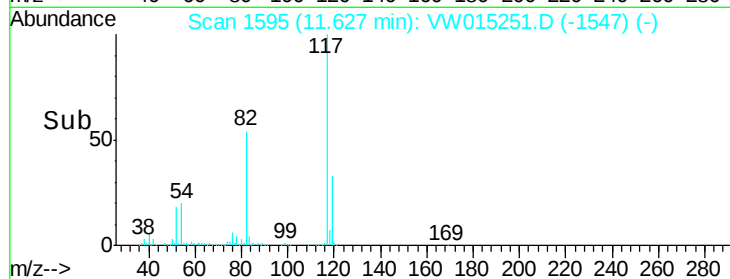
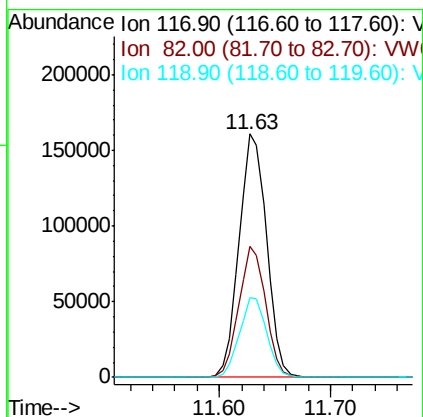
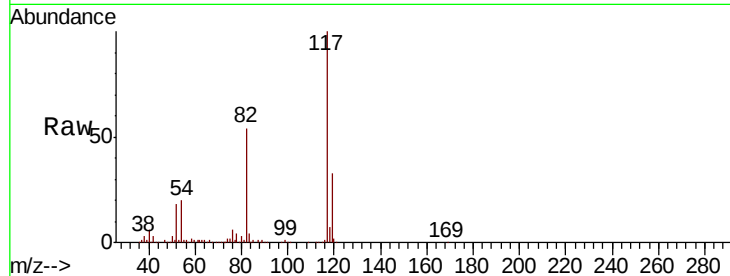




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015251.D
Acq: 21 Apr 2020 10:21

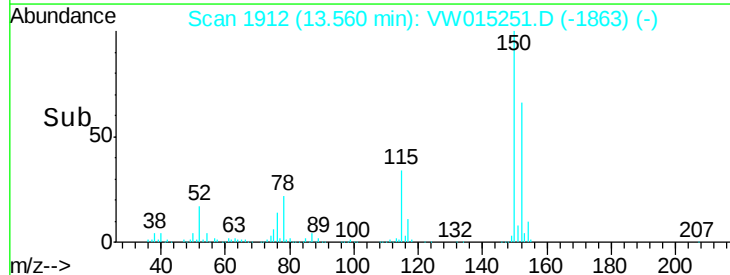
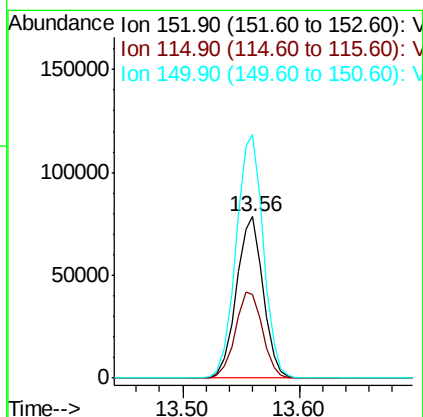
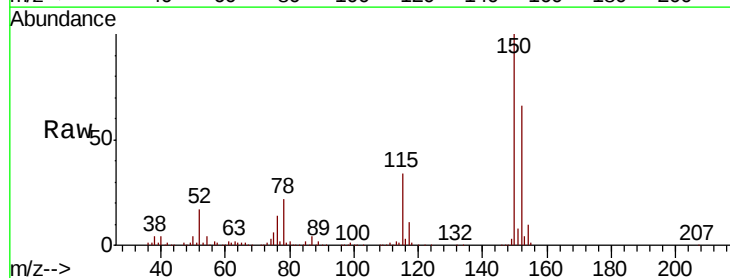
Instrument :
MSVOA_W
ClientSampleId :

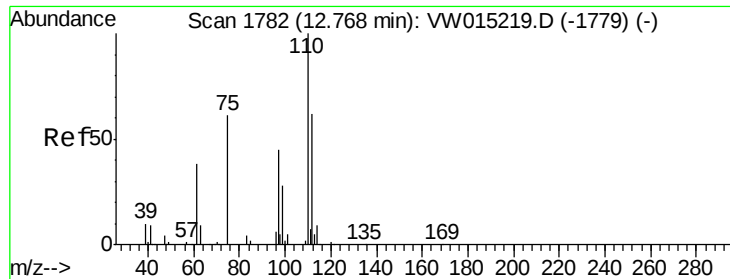
Tot Ion:117 Resp: 276630
Ion Ratio Lower Upper
117 100
82 53.6 44.1 66.1
119 32.6 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW015251.D
Acq: 21 Apr 2020 10:21

Tgt Ion:152 Resp: 124906
Ion Ratio Lower Upper
152 100
115 54.6 31.3 93.9
150 154.0 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 64.029 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015251.D

Acq: 21 Apr 2020 10:21

Instrument :

MSVOA_W

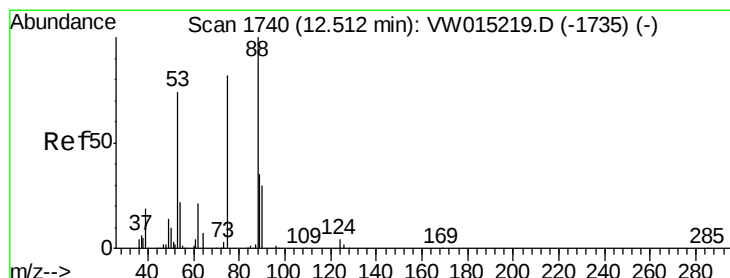
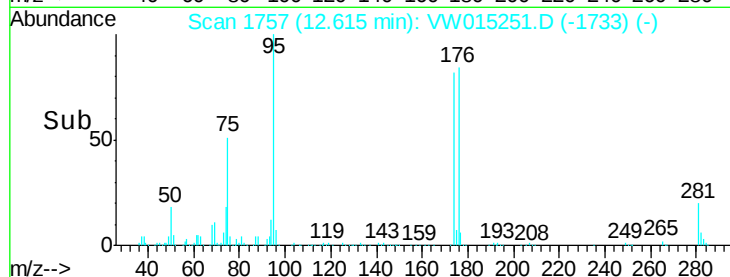
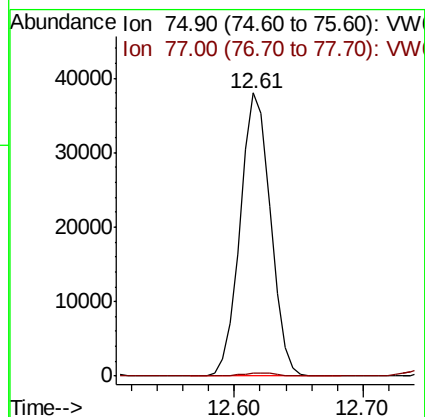
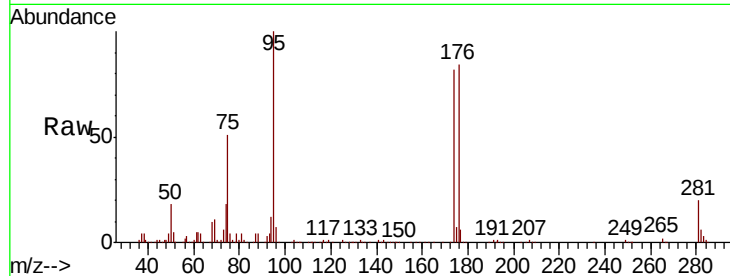
ClientSampleId :

Tot Ion: 75 Resp: 61870

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.968 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015251.D

Acq: 21 Apr 2020 10:21

Tgt Ion: 75 Resp: 61870

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 34.8 52.2#

