

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121318\
 Data File : VW007420.D
 Acq On : 12 Dec 2018 03:56
 Operator : SY/AP
 Sample : J6265-01RE
 Misc : 5.8G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S32-0632

Quant Time: Dec 12 05:07:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	16121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	24284	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	20242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	9637	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	5763	32.22	ug/l	0.00
Spiked Amount			Recovery	=	64.44%	
35) Dibromofluoromethane	7.88	113	5440	37.01	ug/l	0.00
Spiked Amount			Recovery	=	74.02%	
50) Toluene-d8	10.33	98	18707	33.94	ug/l	0.00
Spiked Amount			Recovery	=	67.88%	
62) 4-Bromofluorobenzene	12.62	95	7242	35.74	ug/l	0.00
Spiked Amount			Recovery	=	71.48%	

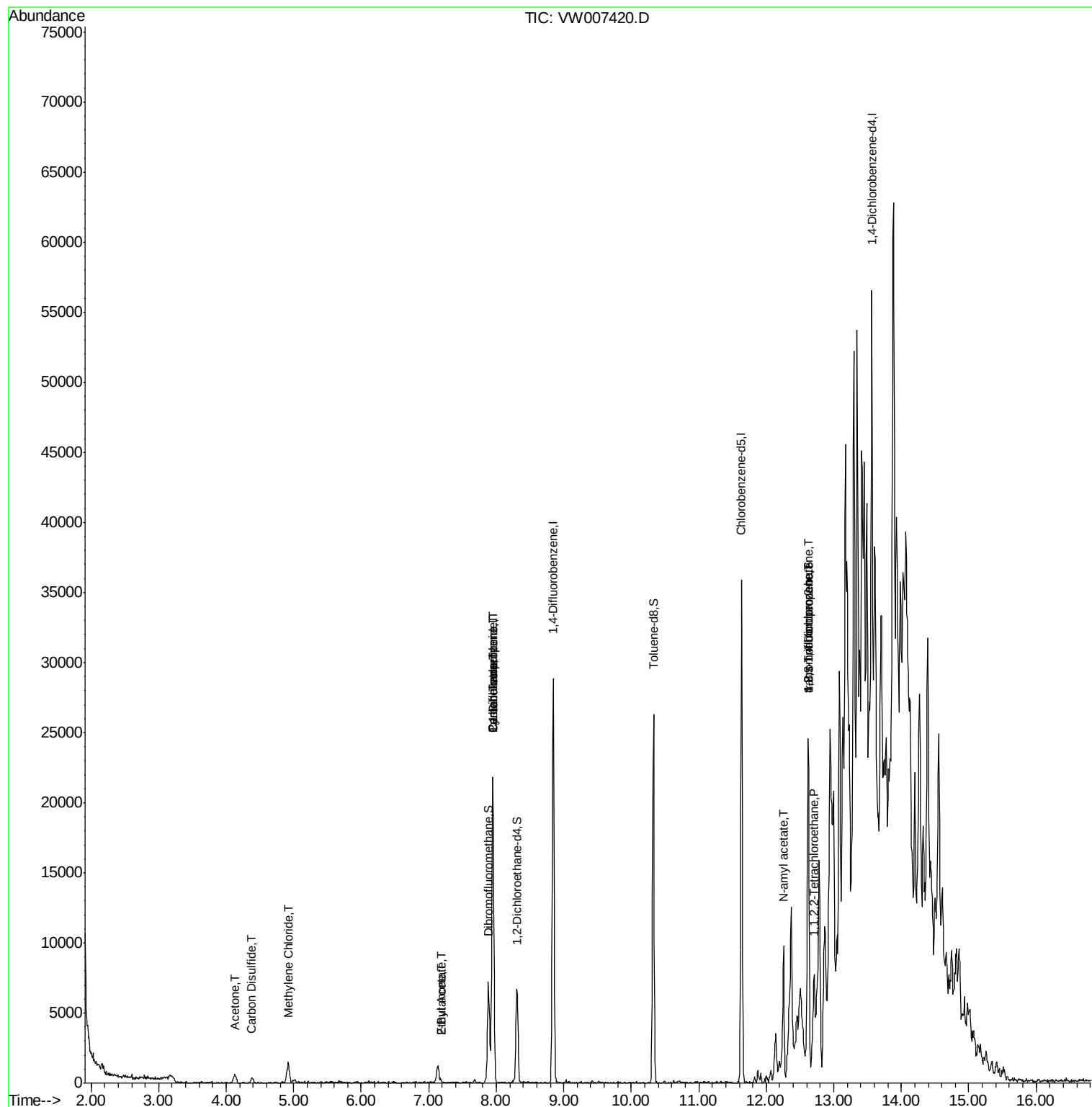
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	1333	42.670	ug/l #	86
17) Carbon Disulfide	4.38	76	710	1.481	ug/l #	75
20) Methylene Chloride	4.92	84	1048	2.405	ug/l	99
25) 2-Butanone	7.18	43	92	2.256	ug/l #	45
31) Cyclohexane	7.95	56	331	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	1338	6.040	ug/l #	45
37) Ethyl Acetate	7.18	43	92	1.117	ug/l #	66
38) Carbon Tetrachloride	7.95	117	1844	7.650	ug/l #	13
74) N-amyl acetate	12.26	43	2022	15.067	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.69	83	689	6.300	ug/l #	47
76) 1,2,3-Trichloropropane	12.62	75	3819	48.062	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	3819	106.169	ug/l #	9

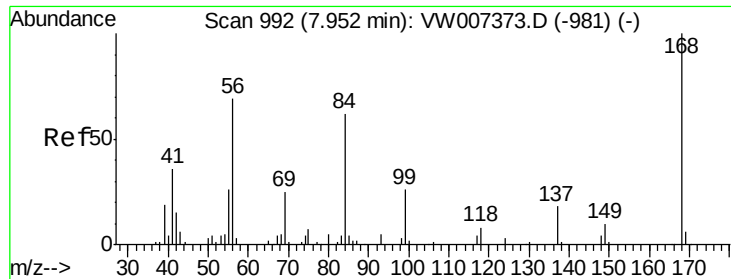
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121318\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

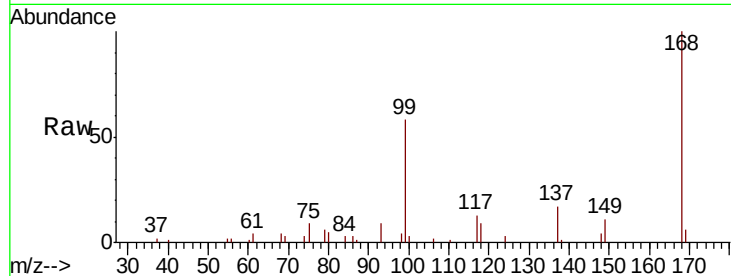
S32-0632

Tgt Ion: 168 Resp: 16121

Ion Ratio Lower Upper

168 100

99 58.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

8000

6000

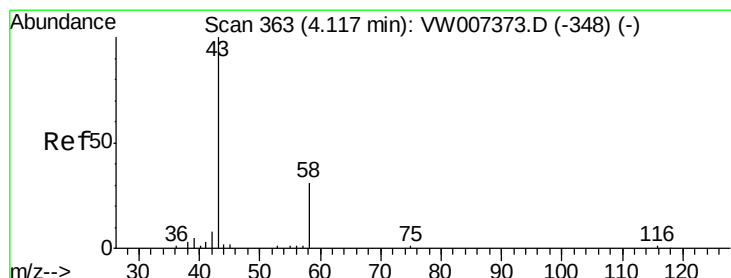
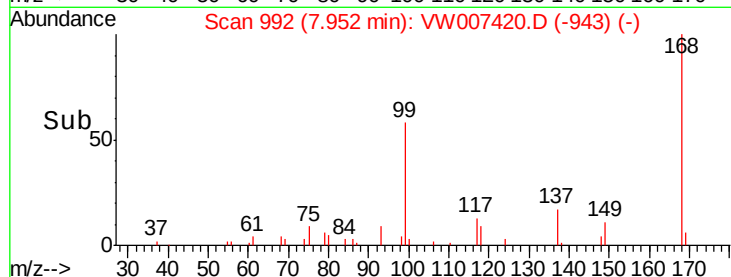
4000

2000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 42.670 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW007420.D

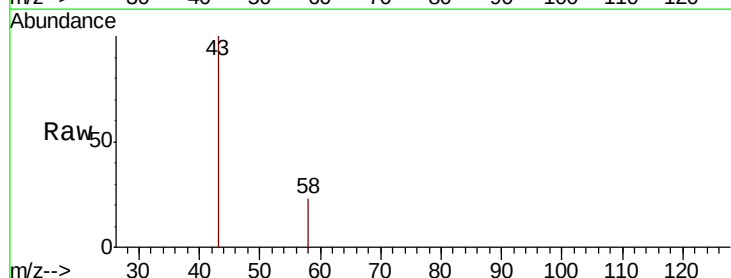
Acq: 12 Dec 2018 03:56

Tgt Ion: 43 Resp: 1333

Ion Ratio Lower Upper

43 100

58 23.4 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

500

400

300

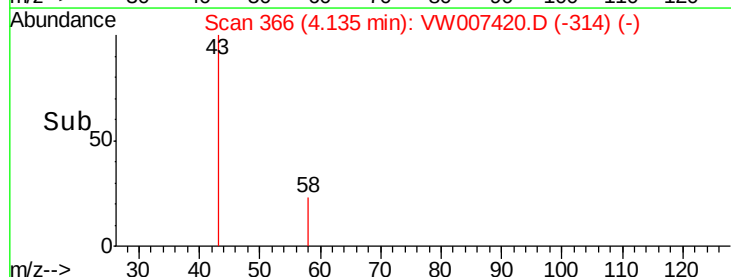
200

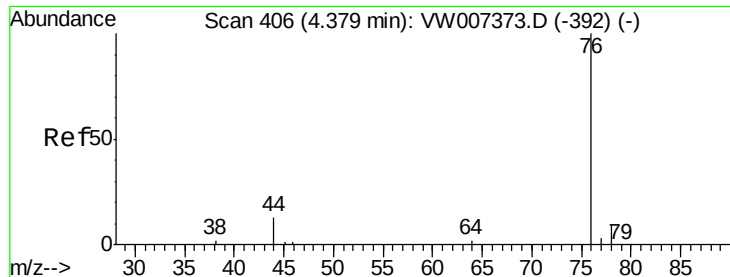
100

0

Time-->

4.05 4.10 4.15 4.20





#17

Carbon Disulfide

Concen: 1.481 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

Instrument :

MSVOA_W

ClientSampled :

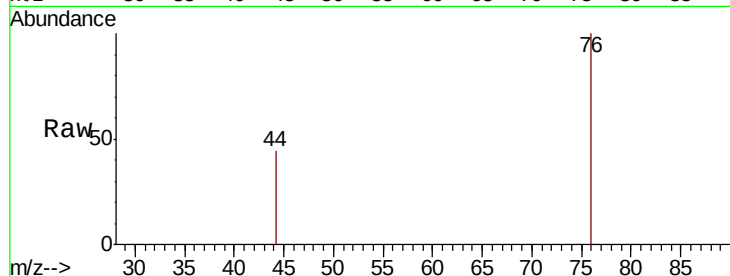
S32-0632

Tgt Ion: 76 Resp: 710

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

300

250

200

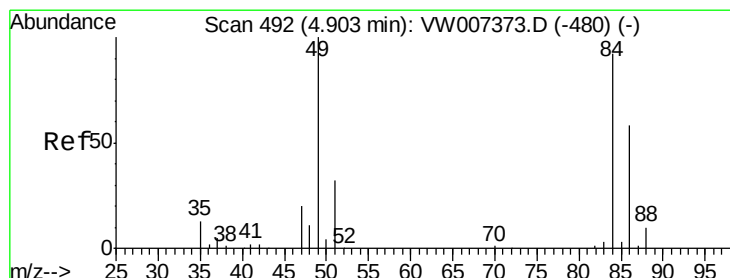
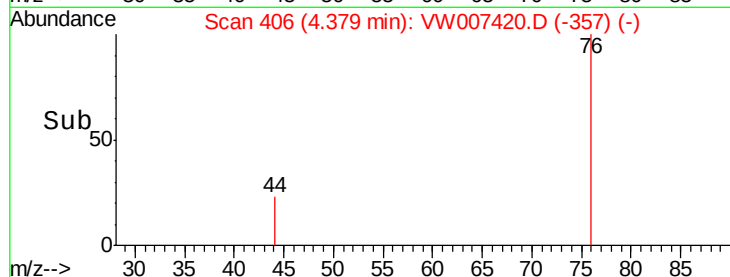
150

100

50

0

Time--> 4.30 4.35 4.40 4.45



#20

Methylene Chloride

Concen: 2.405 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

Tgt Ion: 84 Resp: 1048

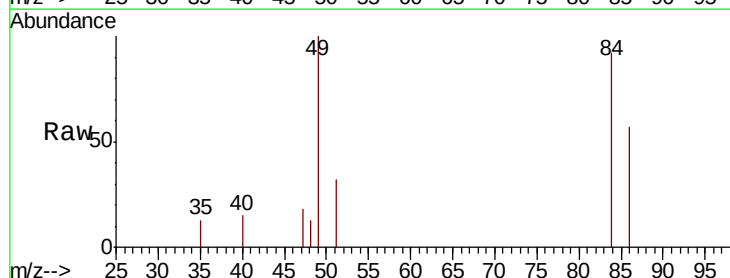
Ion Ratio Lower Upper

84 100

49 109.2 87.1 130.7

51 34.5 28.2 42.2

86 62.3 50.8 76.2



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

800

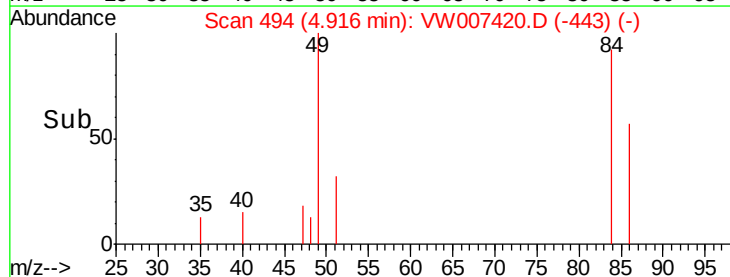
600

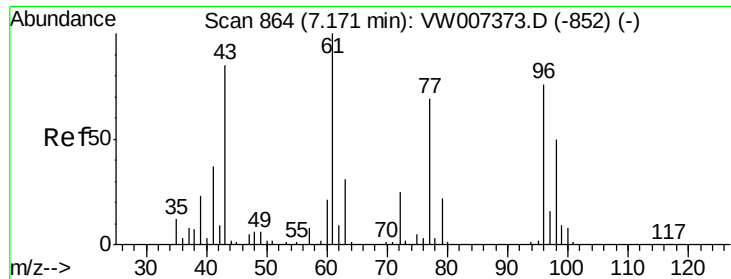
400

200

0

Time--> 4.85 4.90 4.95





#25

2-Butanone

Concen: 2.256 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

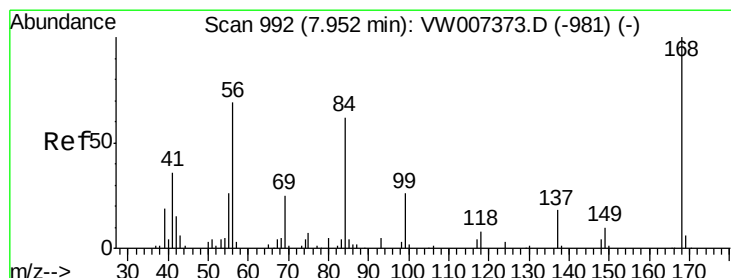
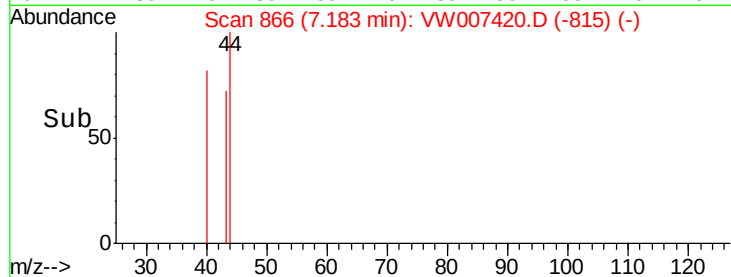
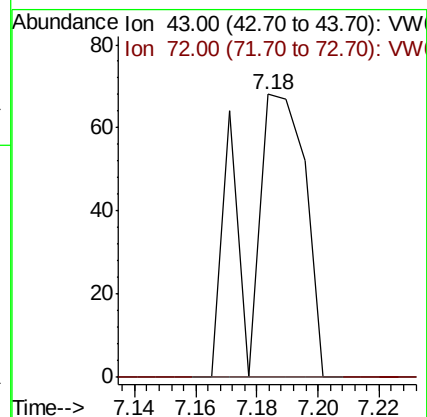
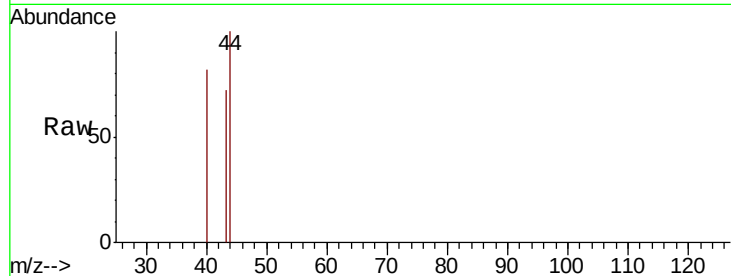
S32-0632

Tgt Ion: 43 Resp: 92

Ion Ratio Lower Upper

43 100

72 0.0 23.4 35.2#



#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

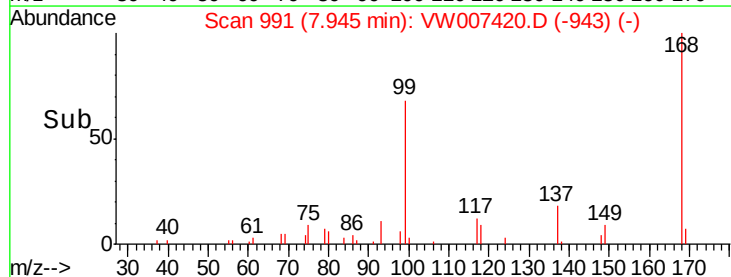
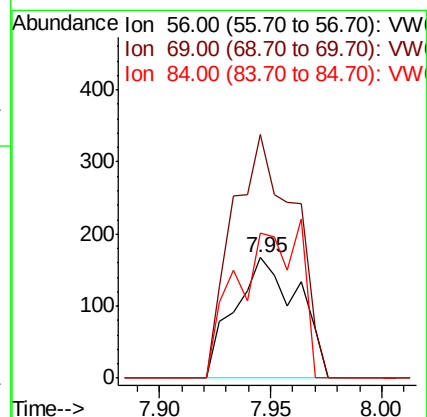
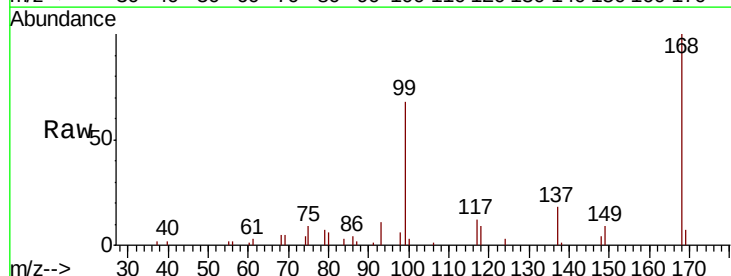
Tgt Ion: 56 Resp: 331

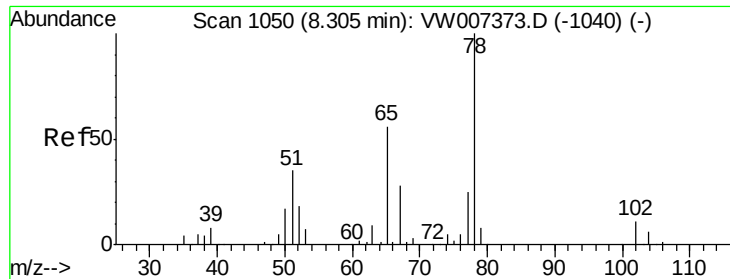
Ion Ratio Lower Upper

56 100

69 202.4 28.9 43.3#

84 120.4 71.8 107.6#

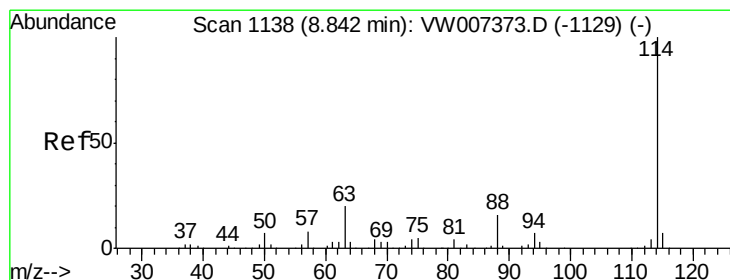
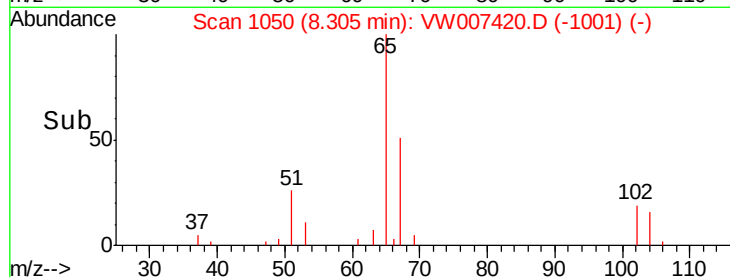
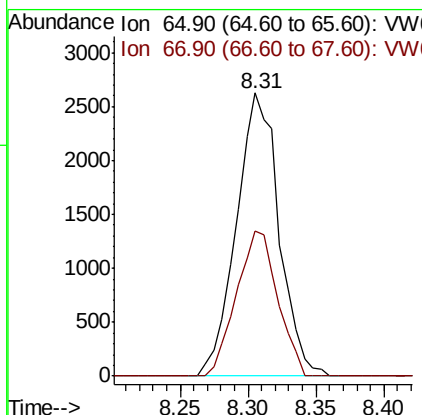
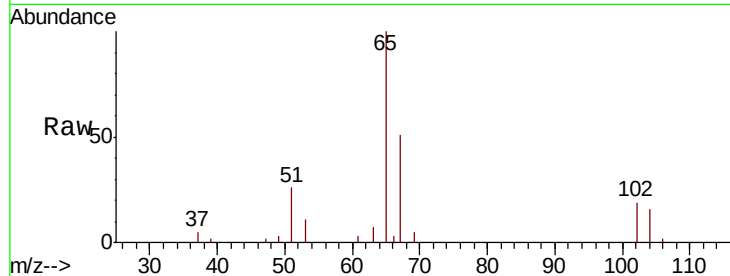




#33
 1,2-Dichloroethane-d4
 Concen: 32.223 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007420.D
 Acq: 12 Dec 2018 03:56

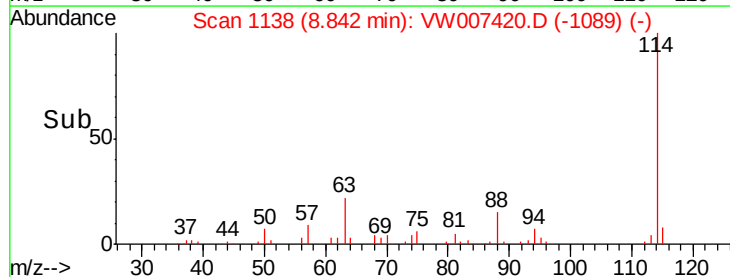
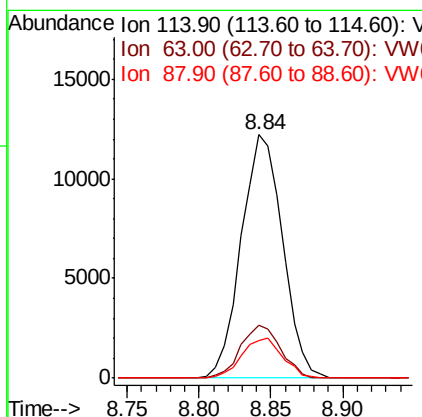
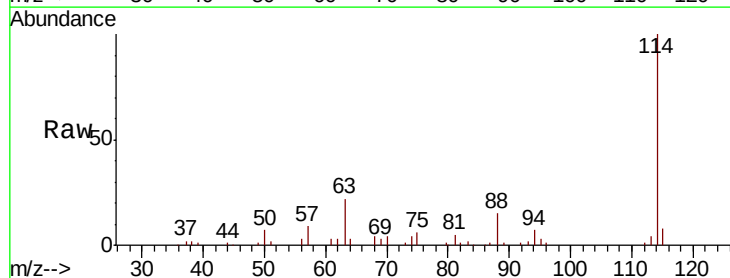
Instrument :
 MSVOA_W
 ClientSampled :
 S32-0632

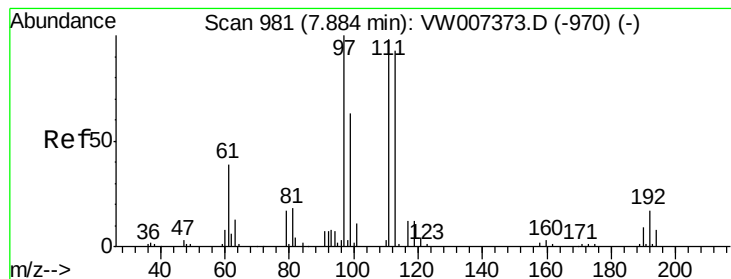
Tgt Ion: 65 Resp: 5763
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007420.D
 Acq: 12 Dec 2018 03:56

Tgt Ion: 114 Resp: 24284
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 39.6
 88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 37.007 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

S32-0632

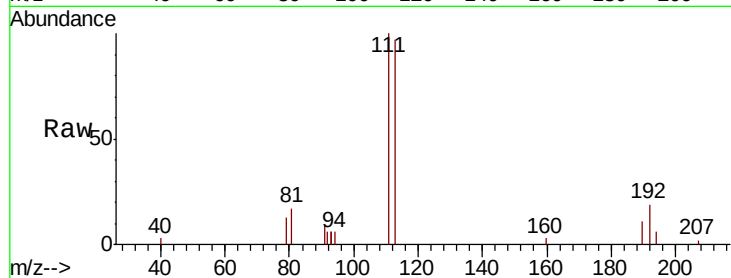
Tgt Ion:113 Resp: 5440

Ion Ratio Lower Upper

113 100

111 104.9 81.1 121.7

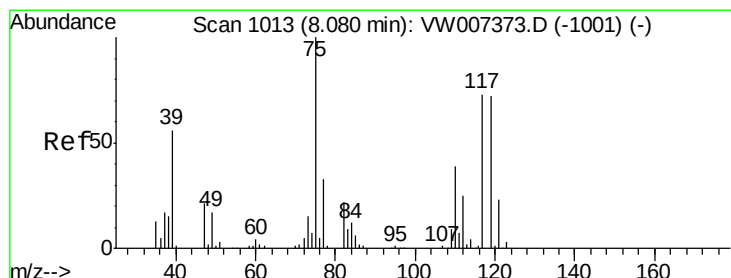
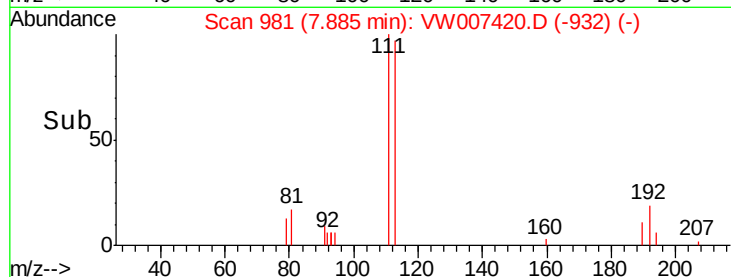
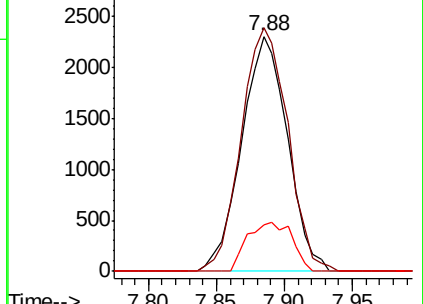
192 20.3 14.6 21.8



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: 6.040 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

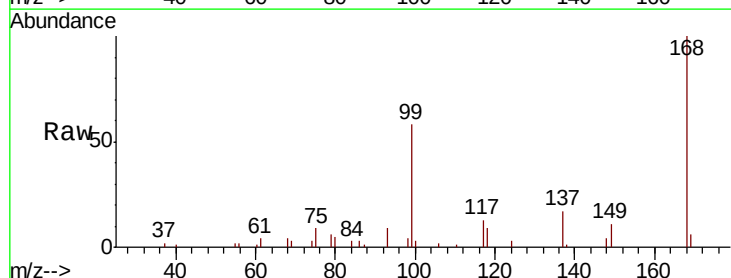
Tgt Ion: 75 Resp: 1338

Ion Ratio Lower Upper

75 100

110 5.1 18.5 55.5#

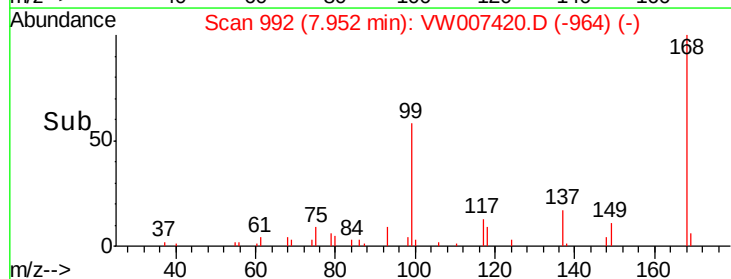
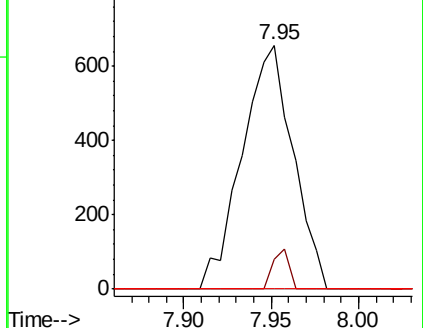
77 0.0 25.6 38.4#

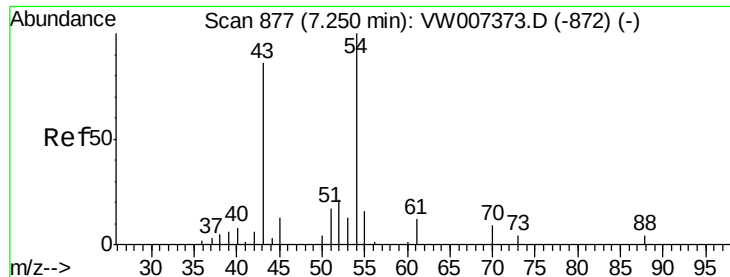


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.117 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

S32-0632

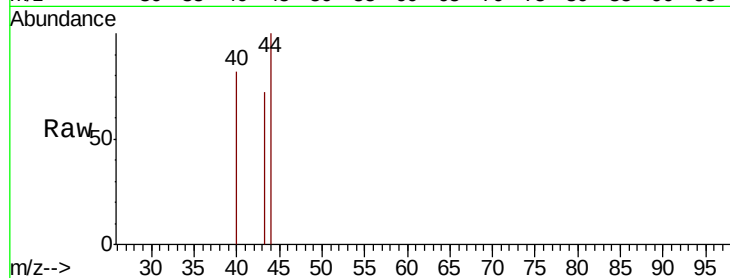
Tgt Ion: 43 Resp: 92

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

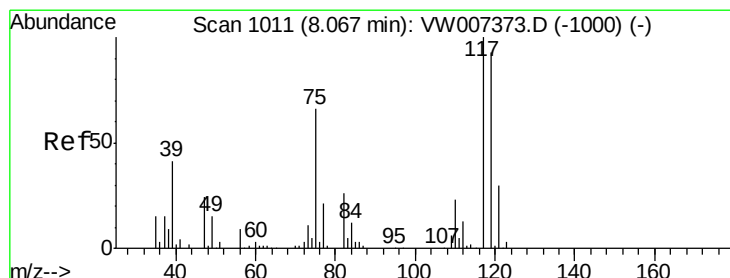
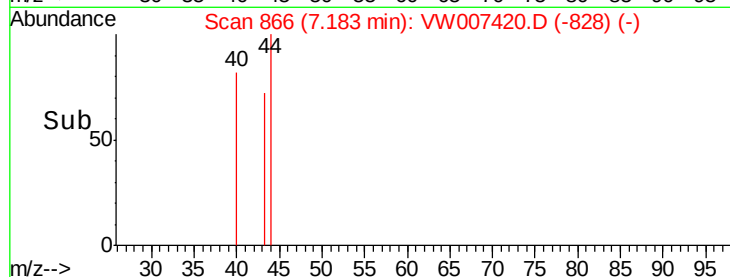
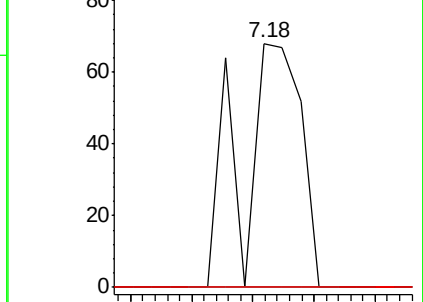
70 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 7.650 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

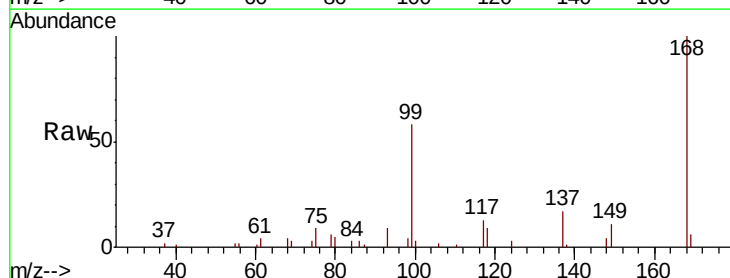
Tgt Ion: 117 Resp: 1844

Ion Ratio Lower Upper

117 100

119 0.0 74.3 111.5#

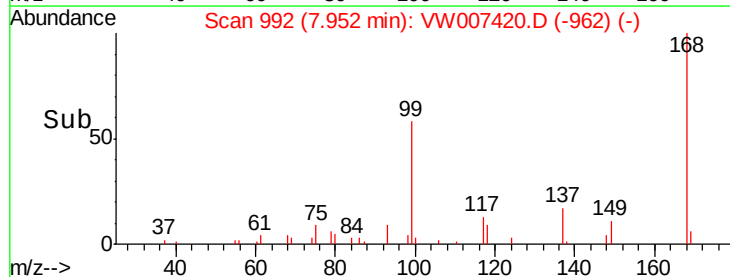
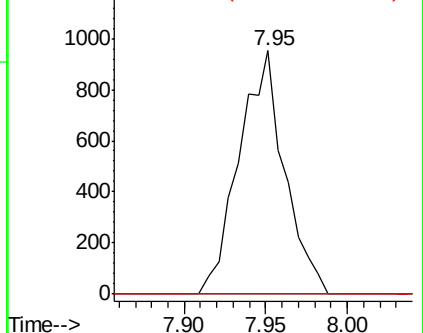
121 0.0 24.3 36.5#

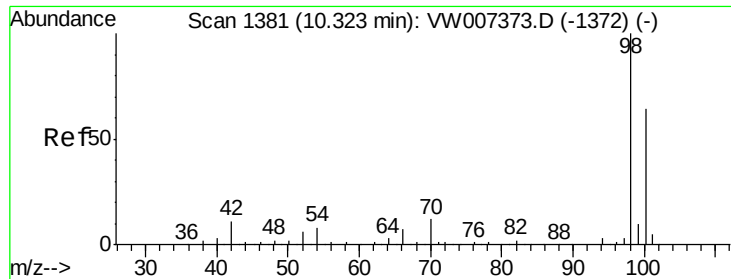


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 33.940 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

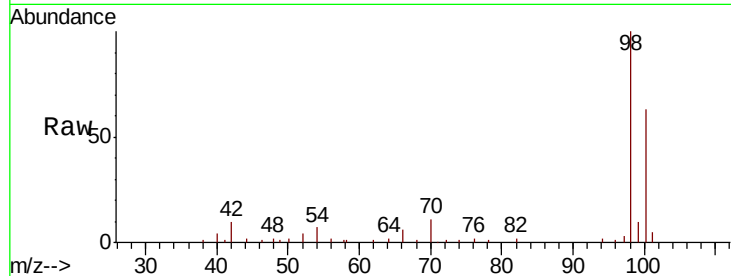
S32-0632

Tgt Ion: 98 Resp: 18707

Ion Ratio Lower Upper

98 100

100 65.2 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

12000

10000

8000

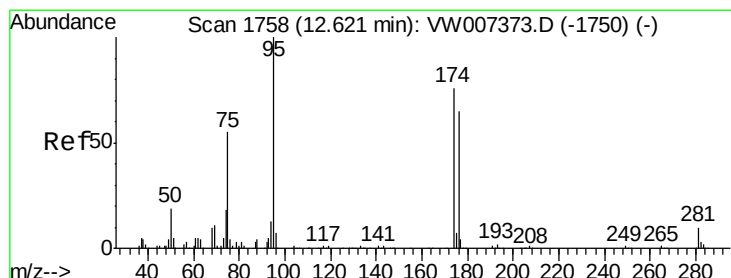
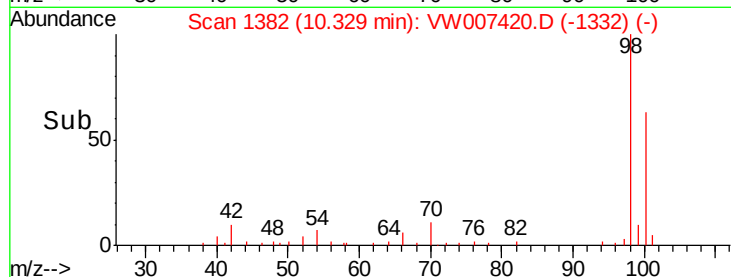
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 35.736 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

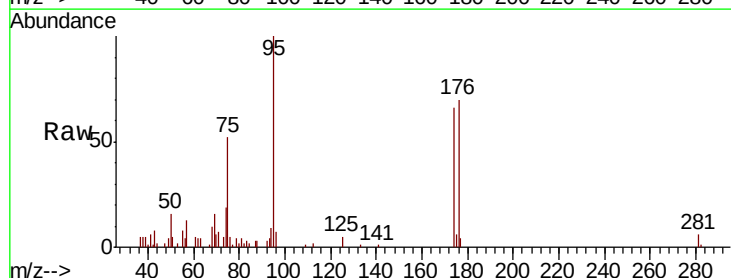
Tgt Ion: 95 Resp: 7242

Ion Ratio Lower Upper

95 100

174 73.7 0.0 147.2

176 71.1 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

6000

5000

4000

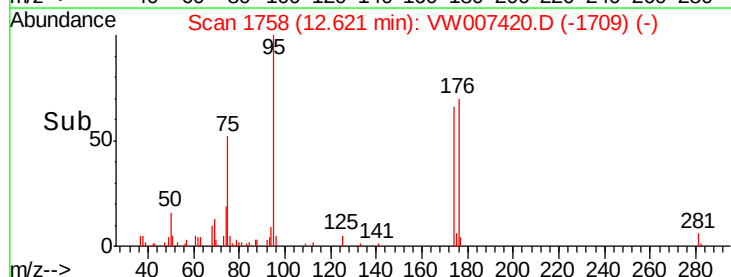
3000

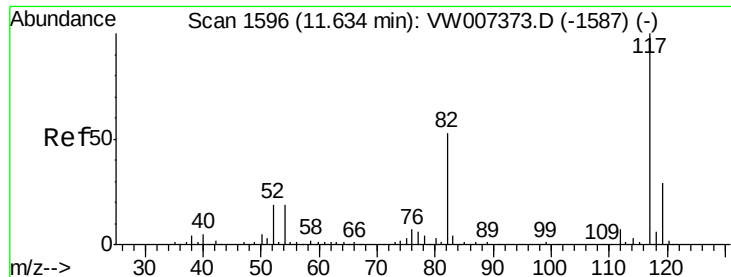
2000

1000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

S32-0632

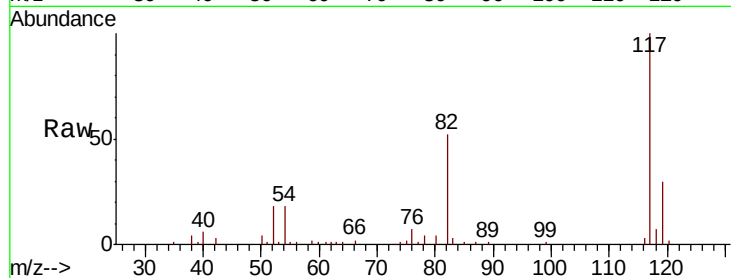
Tgt Ion:117 Resp: 20242

Ion Ratio Lower Upper

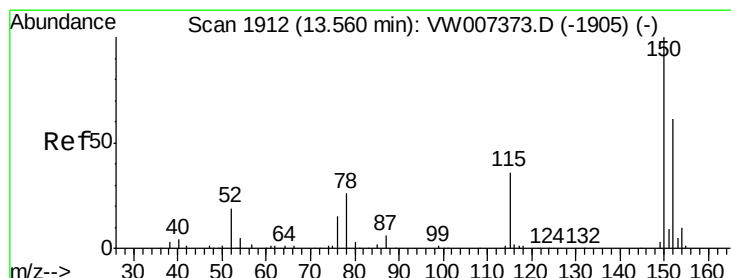
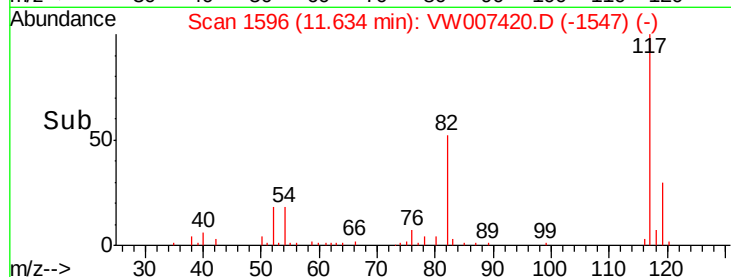
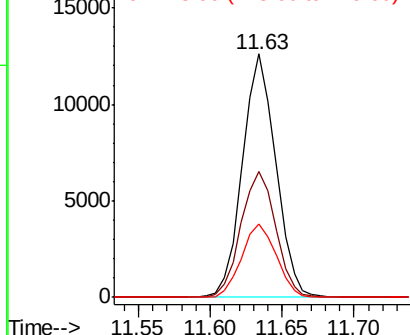
117 100

82 51.6 42.3 63.5

119 29.9 23.0 34.6



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

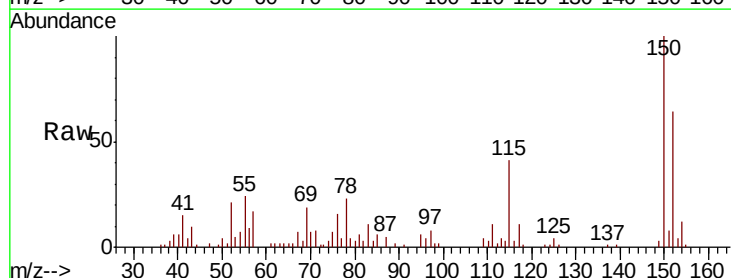
Tgt Ion:152 Resp: 9637

Ion Ratio Lower Upper

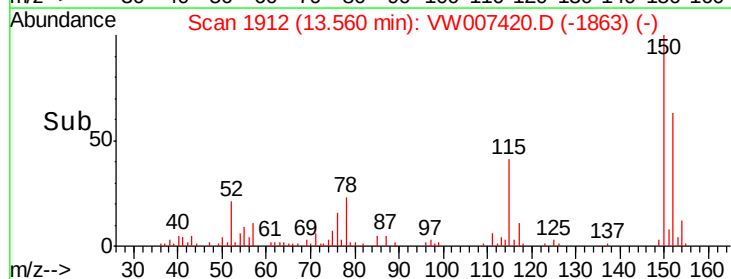
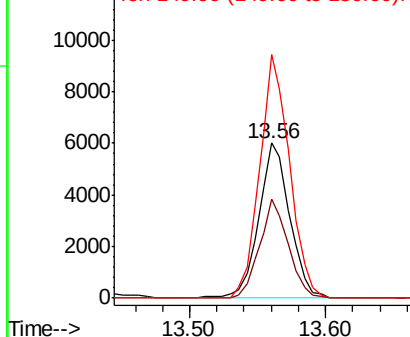
152 100

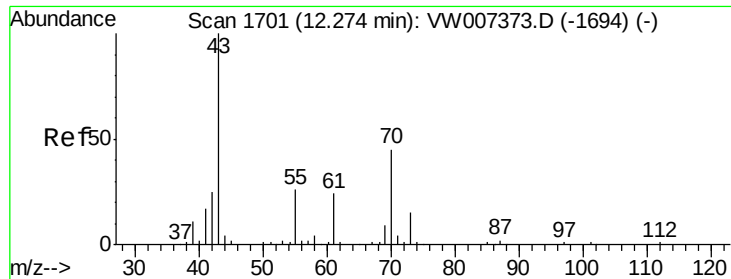
115 58.6 31.4 94.2

150 150.6 0.0 358.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: 15.067 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

S32-0632

Tgt Ion: 43 Resp: 2022

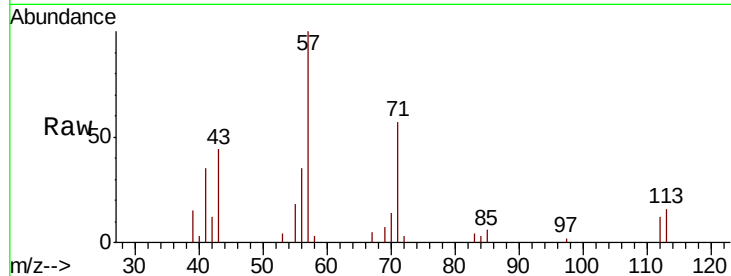
Ion Ratio Lower Upper

43 100

70 28.4 36.5 54.7#

55 45.5 20.1 30.1#

61 0.0 19.3 28.9#

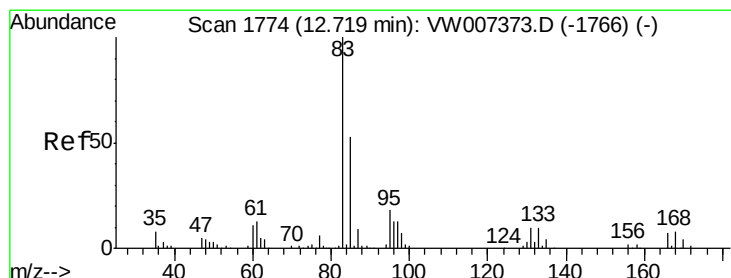
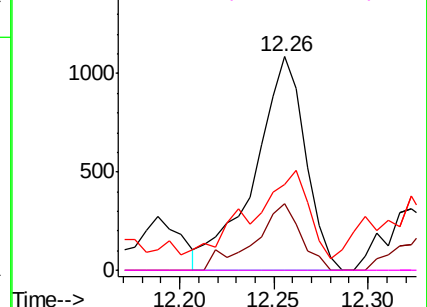
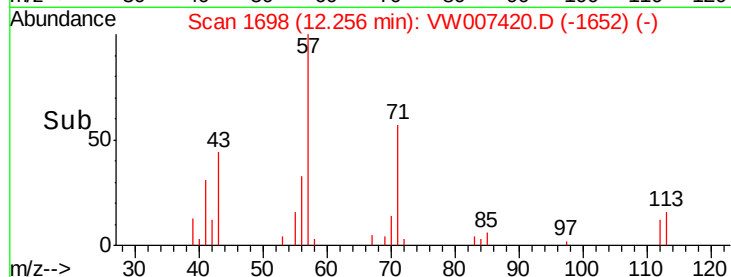


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 6.300 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW007420.D

Acq: 12 Dec 2018 03:56

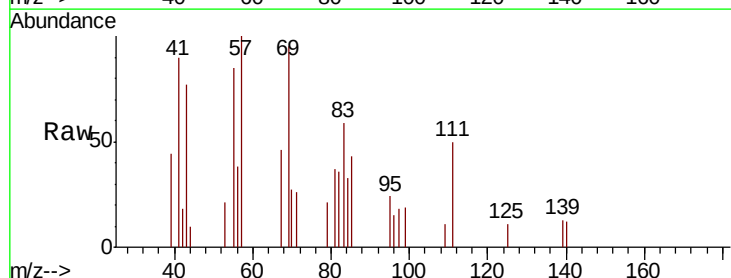
Tgt Ion: 83 Resp: 689

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.8#

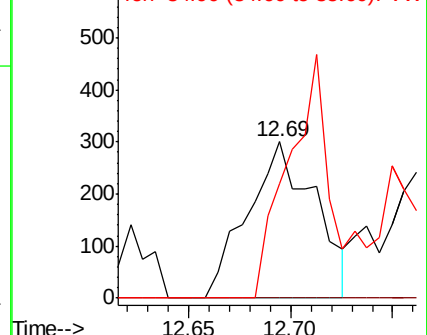
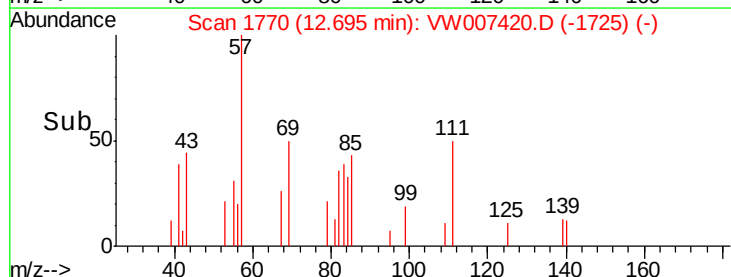
85 103.8 30.0 90.0#

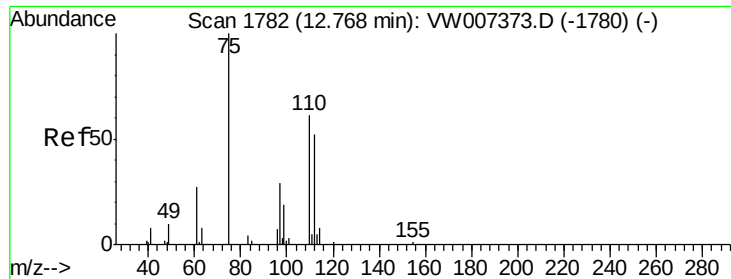


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

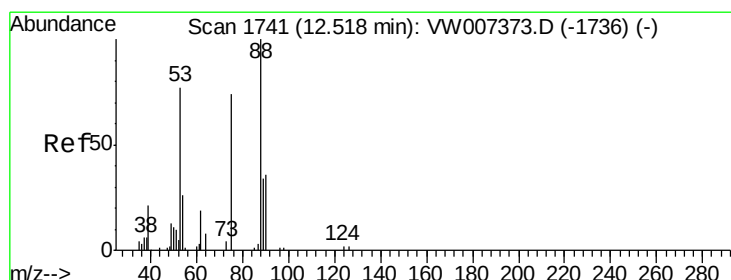
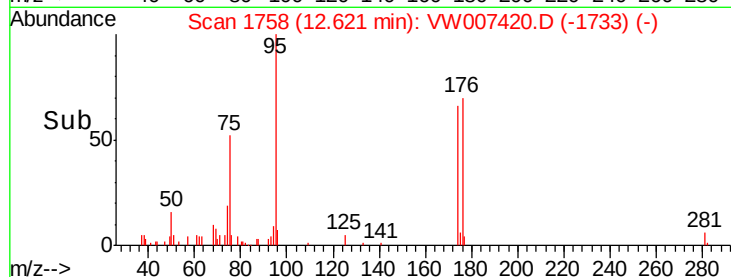
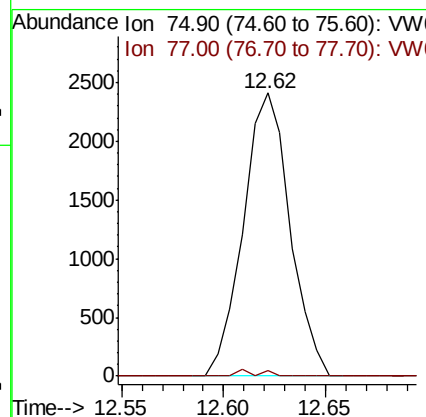
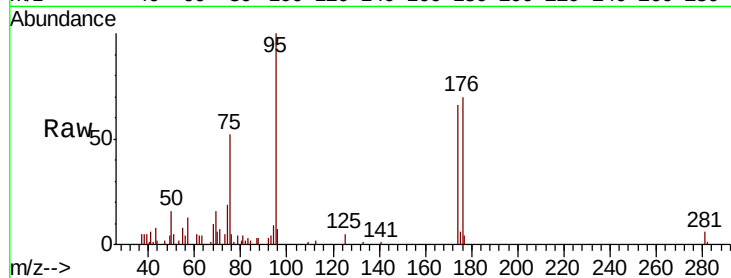




#76
 1,2,3-Trichloropropane
 Concen: 48.062 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007420.D
 Acq: 12 Dec 2018 03:56

Instrument :
 MSVOA_W
 ClientSampled :
 S32-0632

Tgt Ion: 75 Resp: 3819
 Ion Ratio Lower Upper
 75 100
 77 1.1 166.9 500.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.169 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007420.D
 Acq: 12 Dec 2018 03:56

Tgt Ion: 75 Resp: 3819
 Ion Ratio Lower Upper
 75 100
 53 3.3 84.9 127.3#
 89 0.0 40.3 60.5#

