

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012889.D
 Acq On : 11 Sep 2019 01:02
 Operator : SY/VA
 Sample : K4693-07
 Misc : 5.57G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-18-D

Quant Time: Sep 11 08:22:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	255136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	134375	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	133511	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
35) Dibromofluoromethane	7.88	113	110116	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	10.32	98	469019	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.62	95	147990	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	

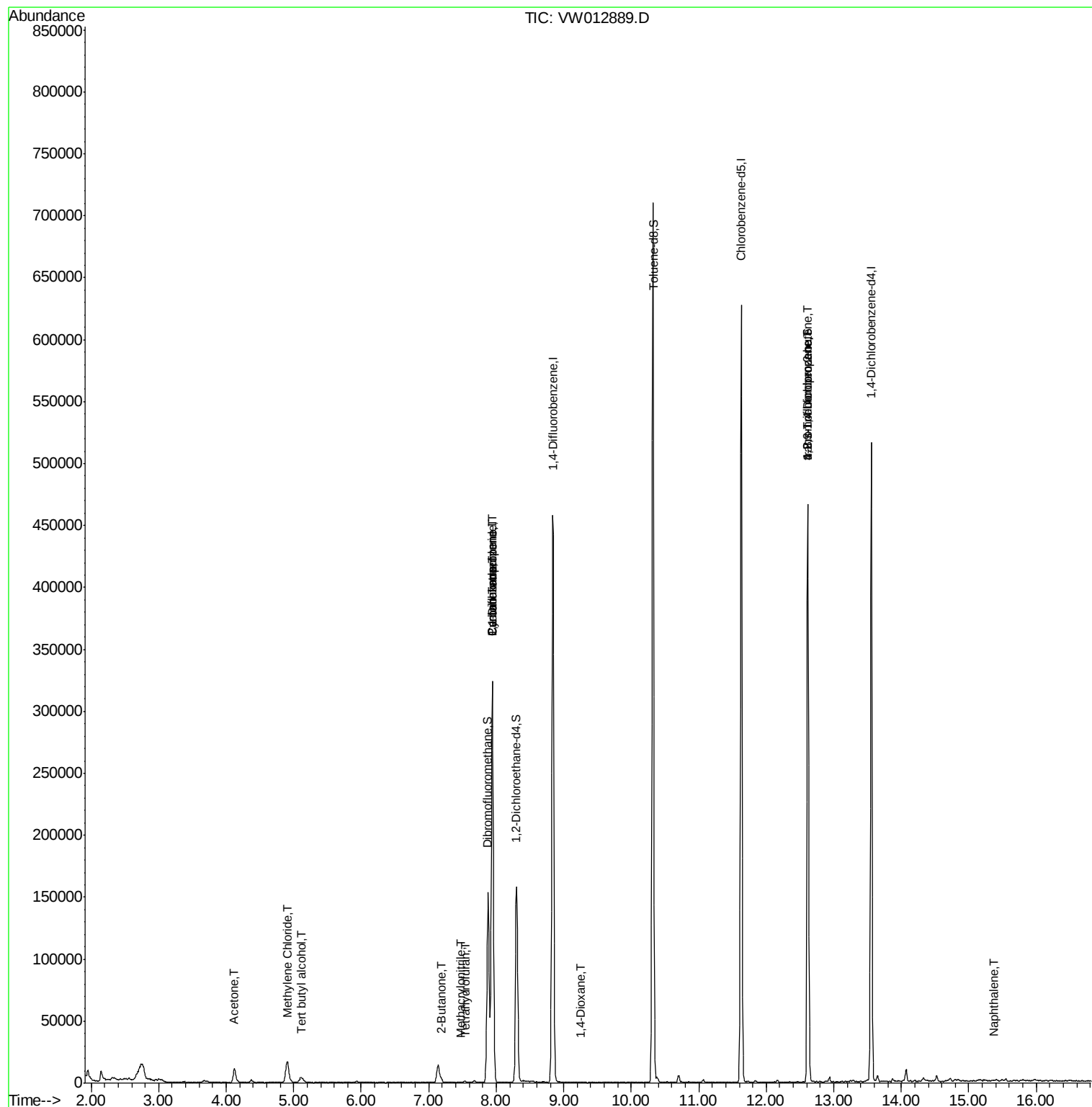
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	4635	21.251	ug/l #	72
16) Acetone	4.12	43	20787	26.747	ug/l	98
20) Methylene Chloride	4.91	84	12845	5.283	ug/l #	89
25) 2-Butanone	7.18	43	4070	22.957	ug/l #	85
29) Tetrahydrofuran	7.54	42	977	1.557	ug/l #	83
31) Cyclohexane	7.94	56	5516	1.316	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19194	5.657	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24505	7.327	ug/l #	17
41) Methacrylonitrile	7.49	41	20	3.851	ug/l #	27
49) 1,4-Dioxane	9.24	88	25	1.024	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	76888	55.957	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76888	118.354	ug/l #	6
95) Naphthalene	15.37	128	481	4.517	ug/l #	58

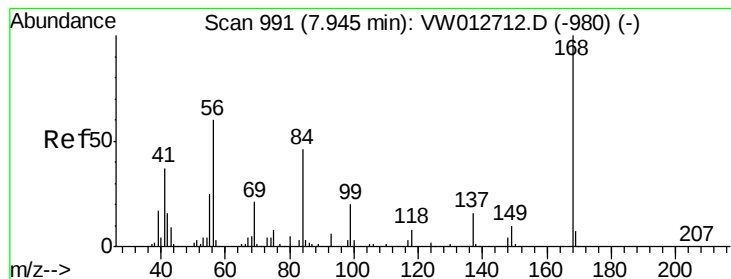
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012889.D

Acq: 11 Sep 2019 01:02

Instrument :

MSVOA_W

ClientSampled :

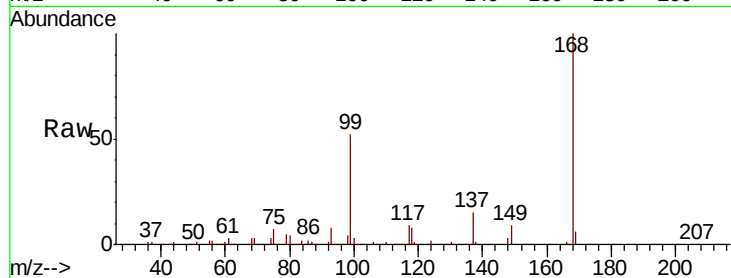
TP-18-D

Tgt Ion:168 Resp: 255136

Ion Ratio Lower Upper

168 100

99 51.6 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

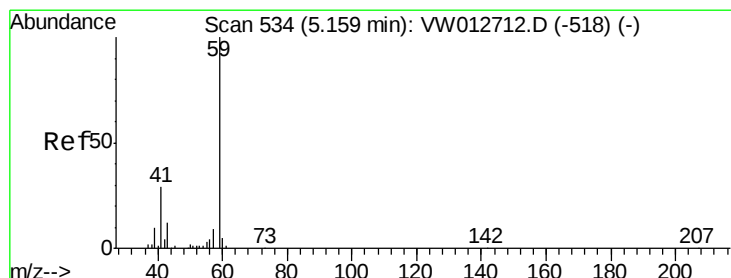
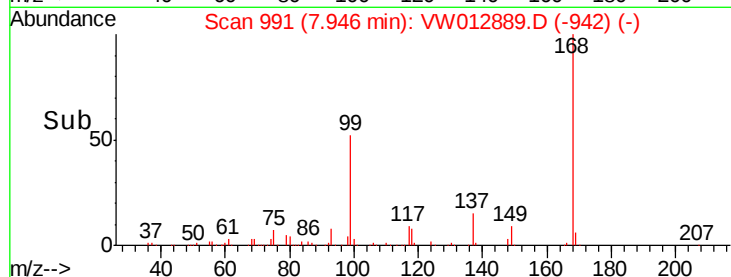
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 21.251 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW012889.D

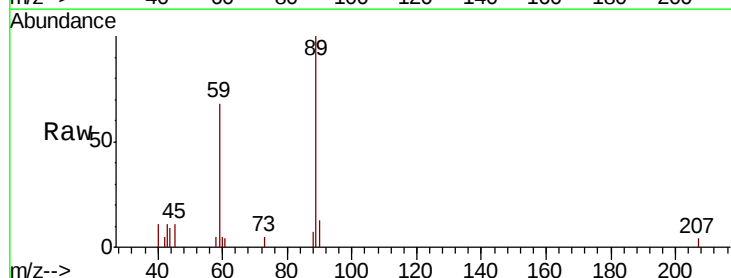
Acq: 11 Sep 2019 01:02

Tgt Ion: 59 Resp: 4635

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

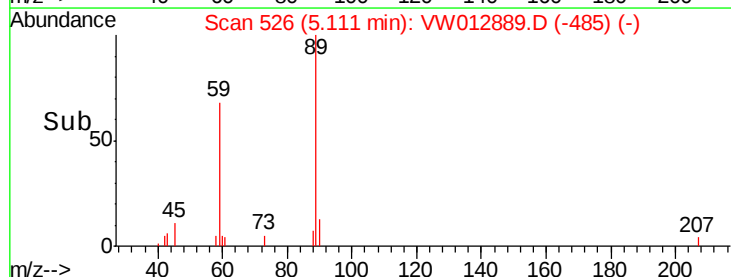
1000

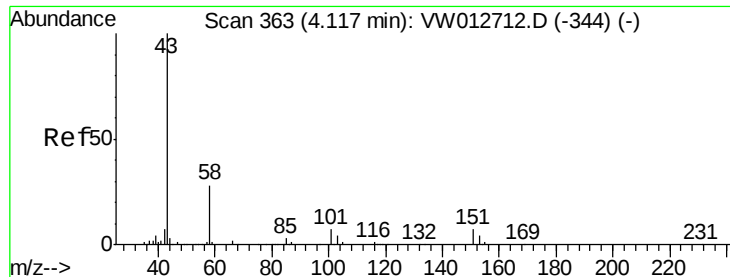
500

0

5.00 5.10 5.20

Time-->





#16

Acetone

Concen: 26.747 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012889.D

Acq: 11 Sep 2019 01:02

Instrument :

MSVOA_W

ClientSampleId :

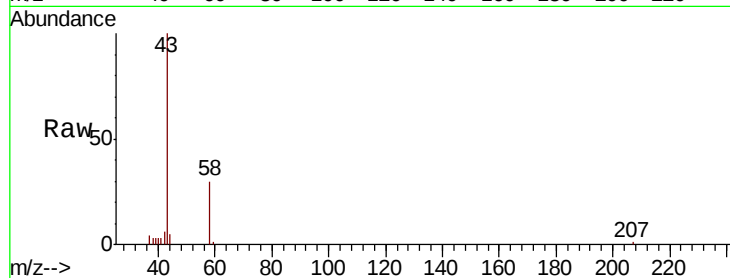
TP-18-D

Tgt Ion: 43 Resp: 20787

Ion Ratio Lower Upper

43 100

58 29.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

8000

6000

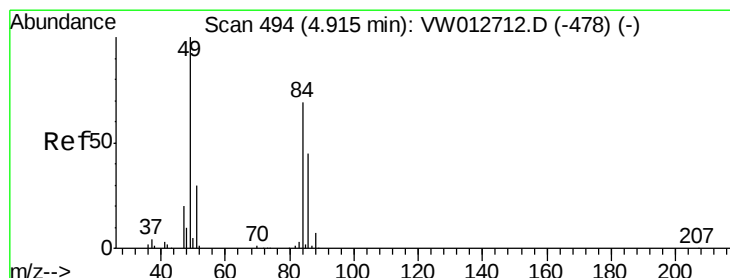
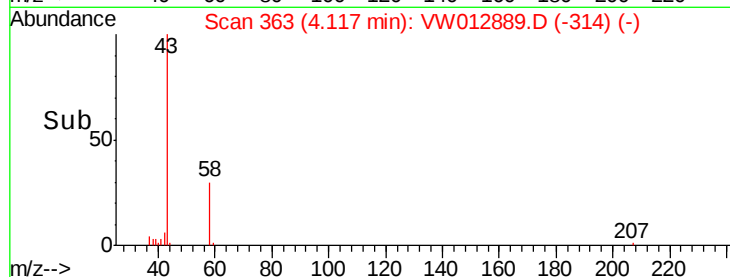
4000

2000

0

Time-->

4.00 4.10 4.20



#20

Methylene Chloride

Concen: 5.283 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012889.D

Acq: 11 Sep 2019 01:02

Tgt Ion: 84 Resp: 12845

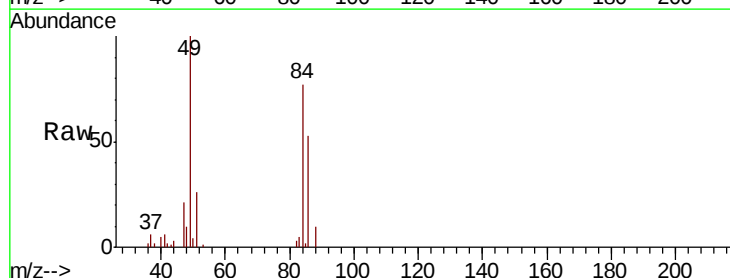
Ion Ratio Lower Upper

84 100

49 128.7 115.4 173.0

51 33.4 34.9 52.3#

86 69.4 52.2 78.4



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

8000

6000

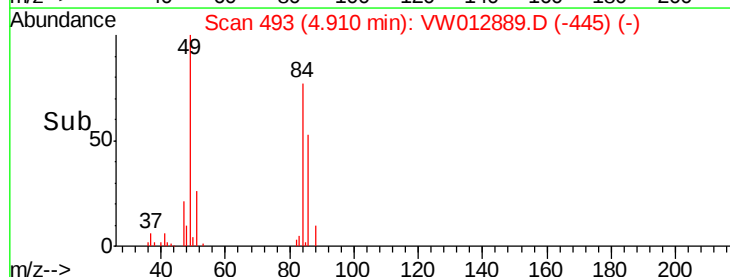
4000

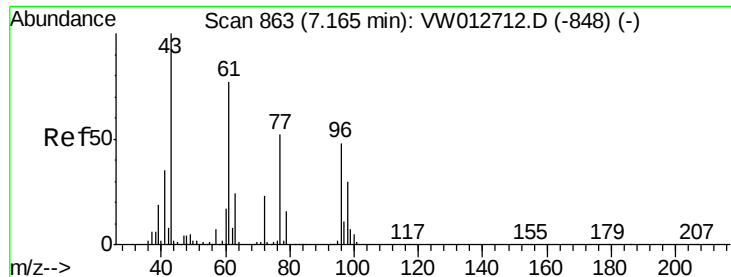
2000

0

Time-->

4.80 4.90 5.00





#25

2-Butanone

Concen: 22.957 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW012889.D

Acq: 11 Sep 2019 01:02

Instrument :

MSVOA_W

ClientSampleID :

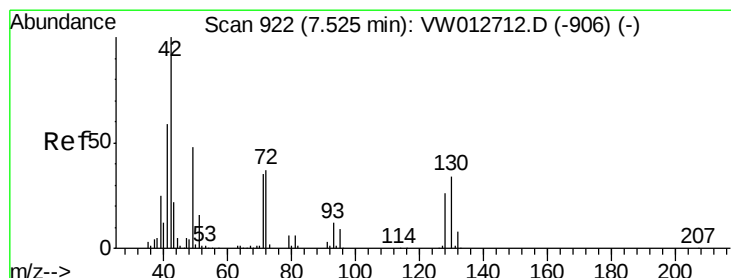
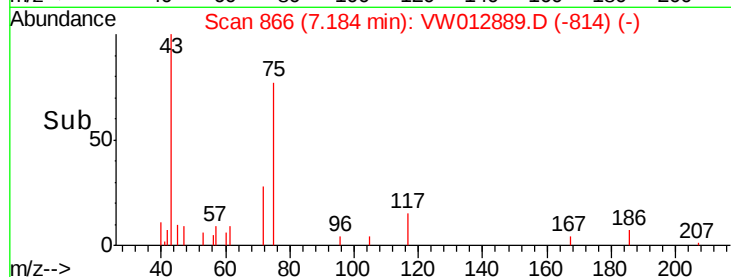
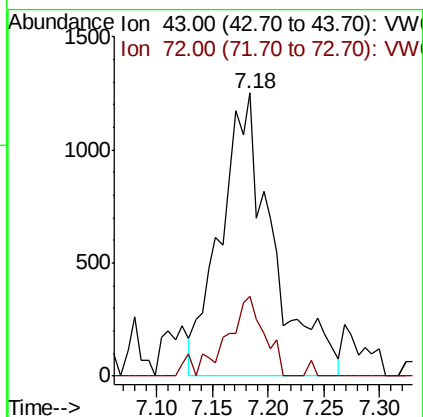
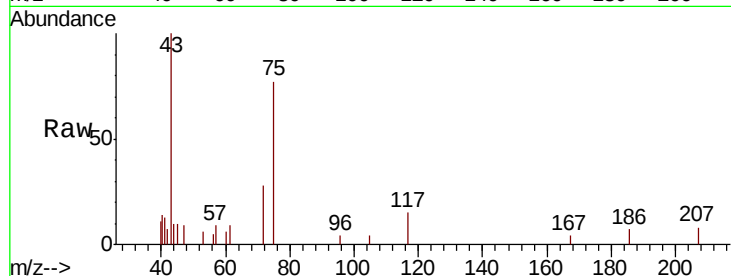
TP-18-D

Tgt Ion: 43 Resp: 4070

Ion Ratio Lower Upper

43 100

72 29.7 18.0 27.0#



#29

Tetrahydrofuran

Concen: 1.557 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW012889.D

Acq: 11 Sep 2019 01:02

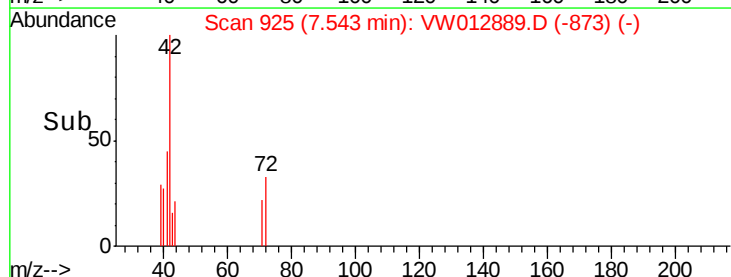
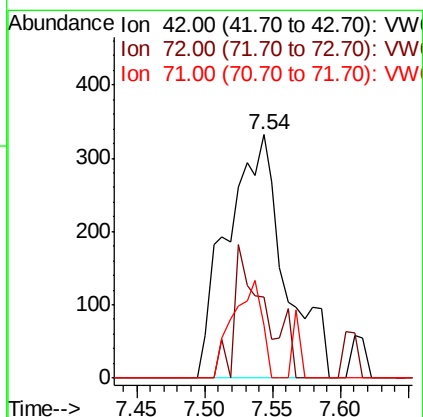
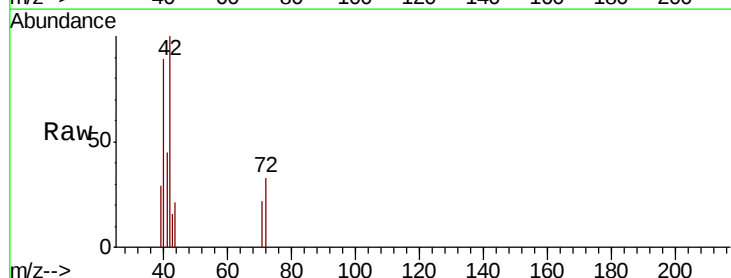
Tgt Ion: 42 Resp: 977

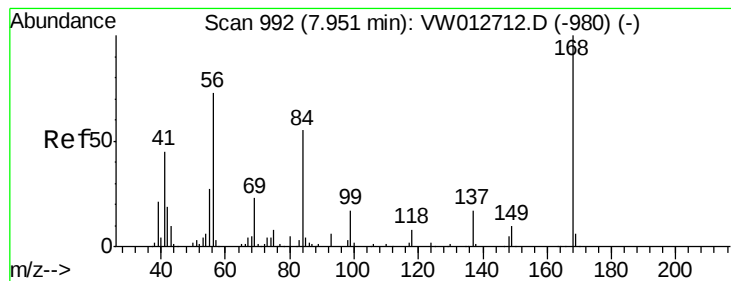
Ion Ratio Lower Upper

42 100

72 29.5 28.4 42.6

71 20.5 27.1 40.7#





#31

Cyclohexane

Concen: 1.316 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012889.D

Acq: 11 Sep 2019 01:02

Instrument :

MSVOA_W

ClientSampleId :

TP-18-D

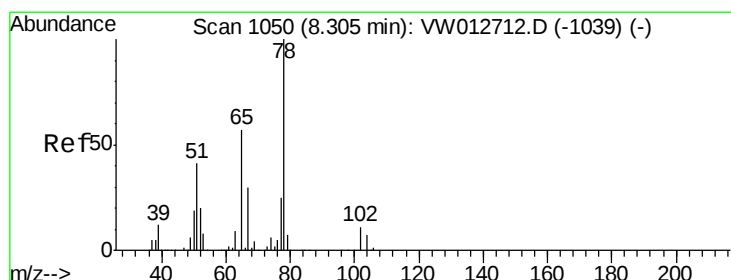
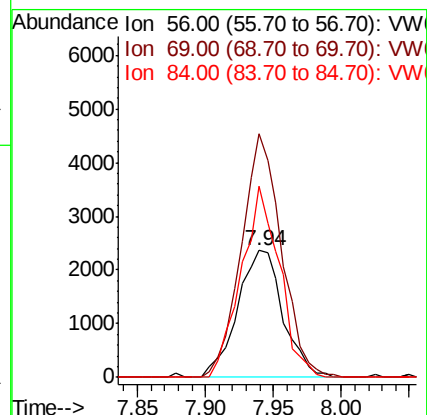
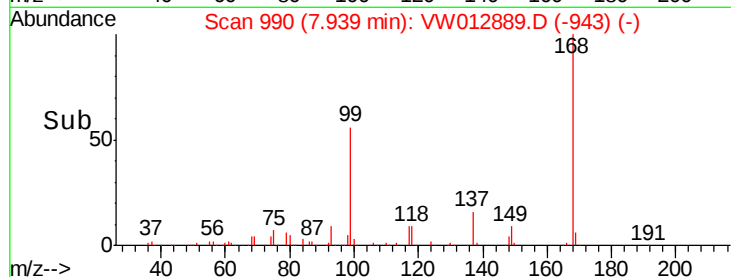
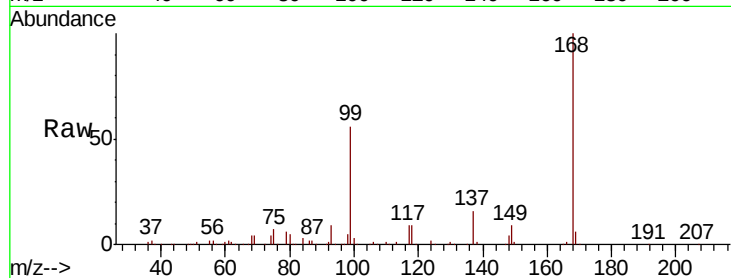
Tgt Ion: 56 Resp: 5516

Ion Ratio Lower Upper

56 100

69 192.0 25.7 38.5#

84 151.1 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 46.834 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012889.D

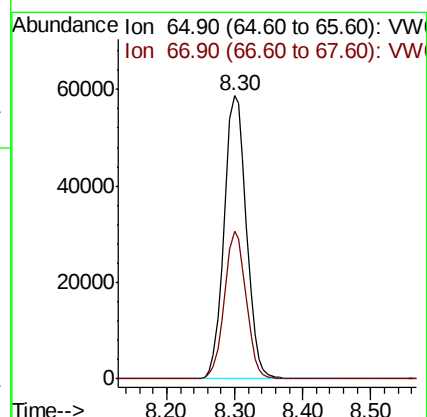
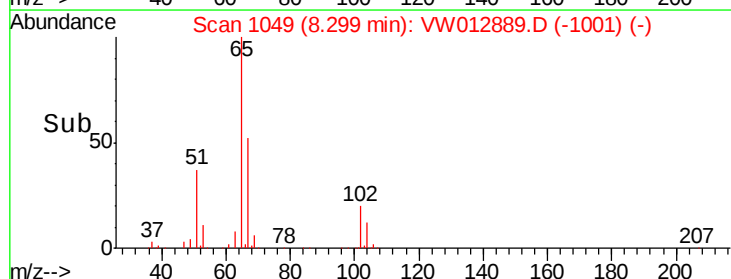
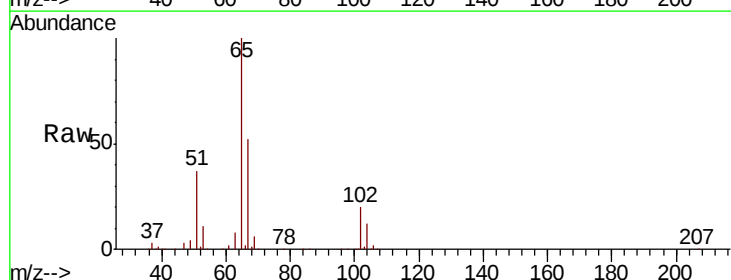
Acq: 11 Sep 2019 01:02

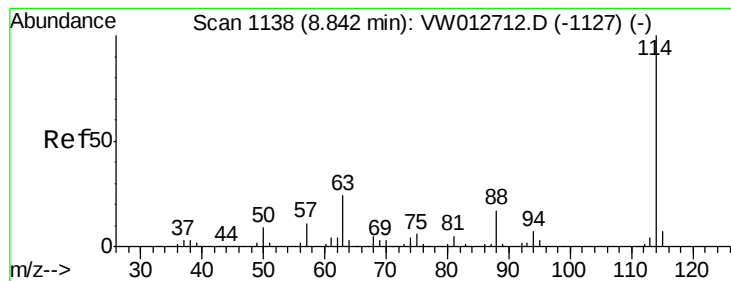
Tgt Ion: 65 Resp: 133511

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW012889.D

Acq: 11 Sep 2019 01:02

Instrument :

MSVOA_W

ClientSampleId :

TP-18-D

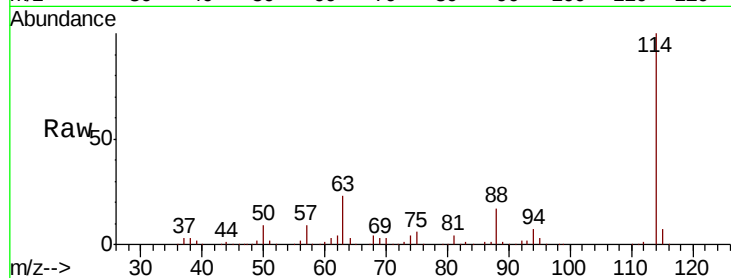
Tgt Ion:114 Resp: 381873

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.2

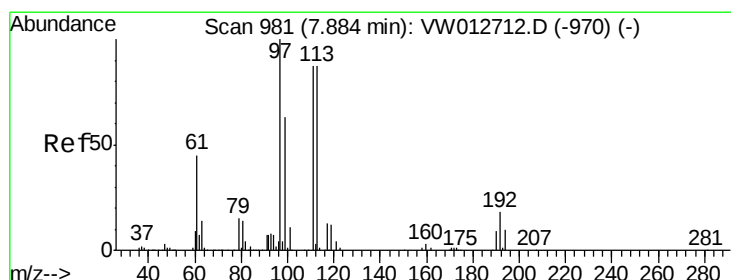
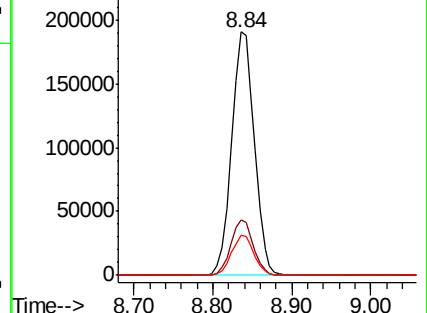
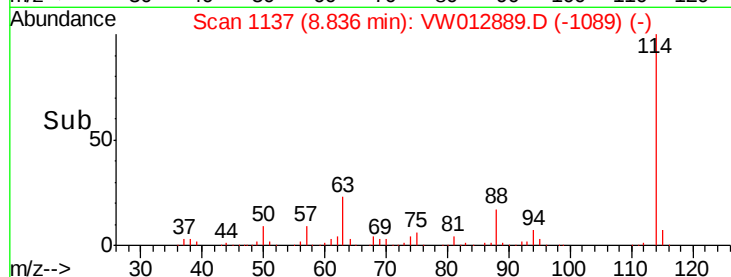
88 16.7 0.0 34.0



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: 48.502 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012889.D

Acq: 11 Sep 2019 01:02

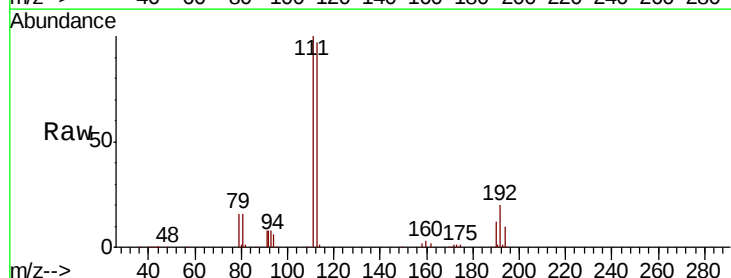
Tgt Ion:113 Resp: 110116

Ion Ratio Lower Upper

113 100

111 102.2 80.2 120.4

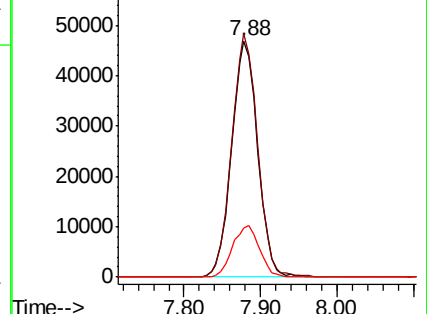
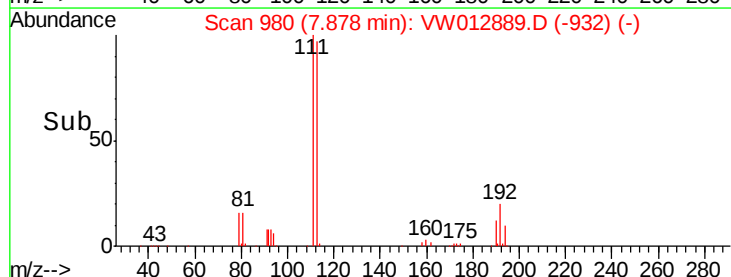
192 22.5 17.3 25.9

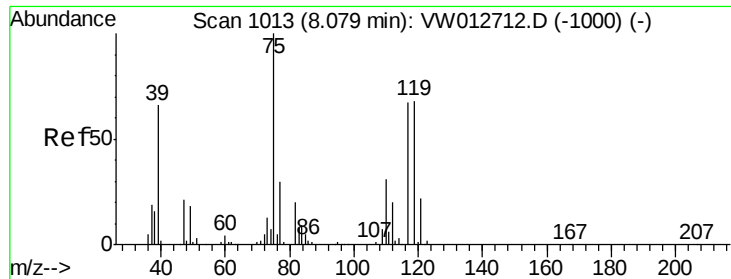


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

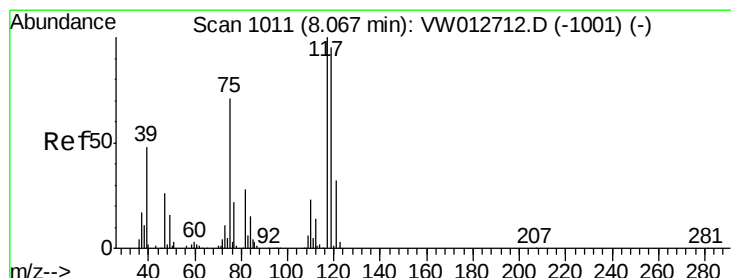
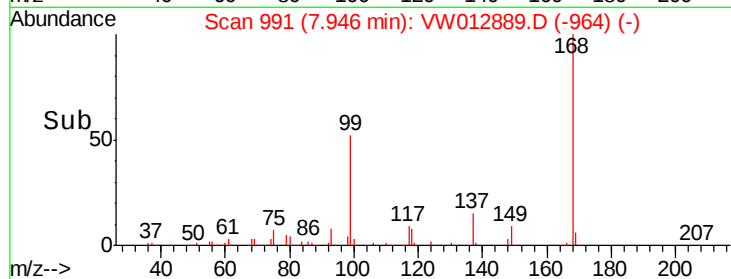
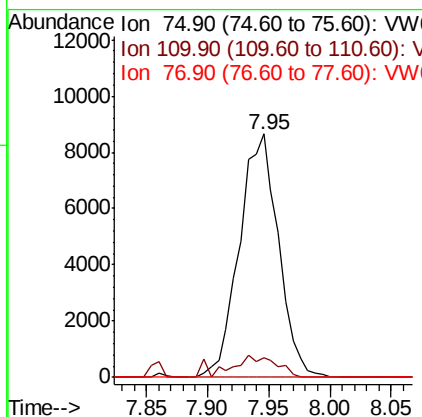
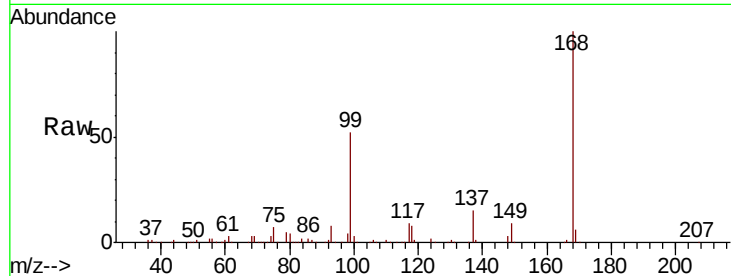




#36
 1,1-Dichloropropene
 Concen: 5.657 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012889.D
 Acq: 11 Sep 2019 01:02

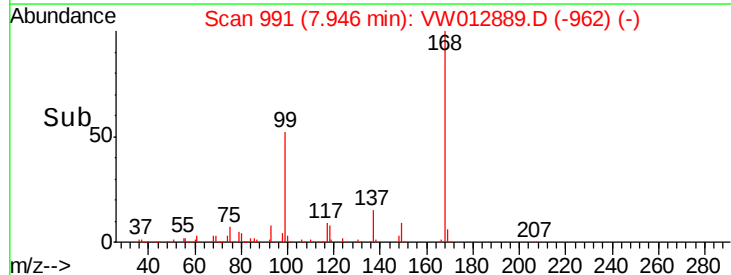
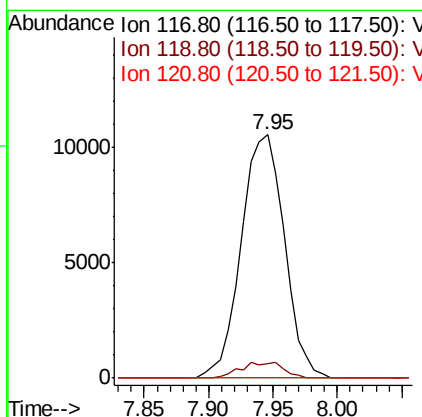
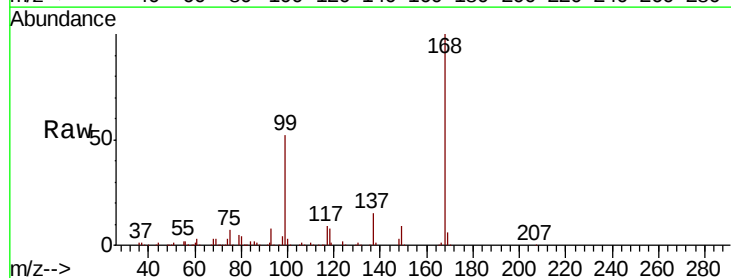
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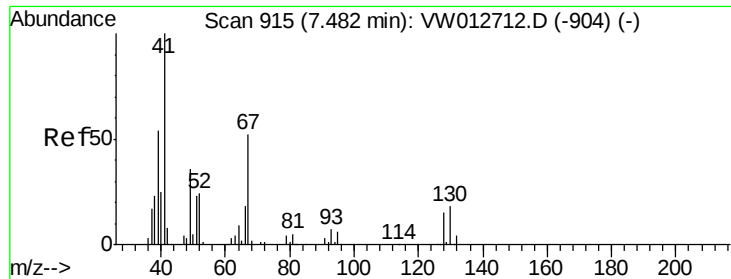
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.327 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012889.D
 Acq: 11 Sep 2019 01:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.2	114.2#
121	0.0	25.4	38.2#

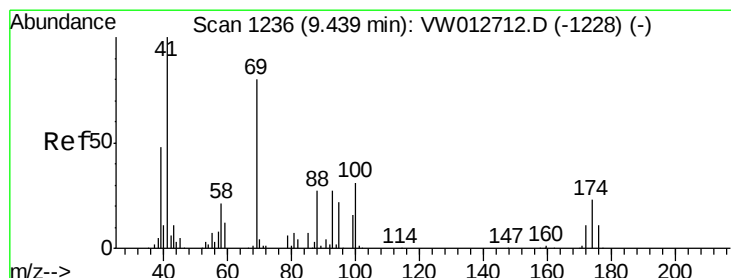
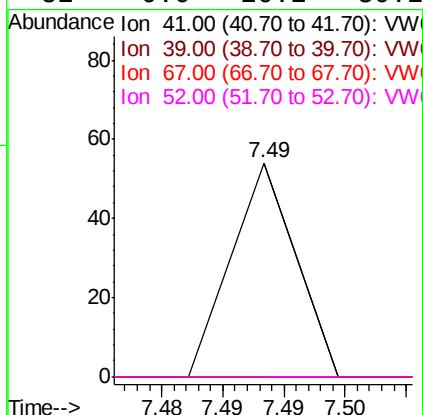
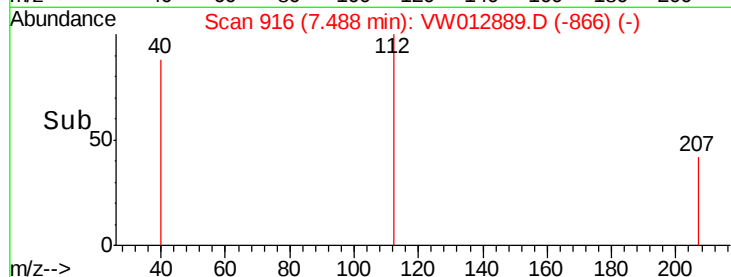
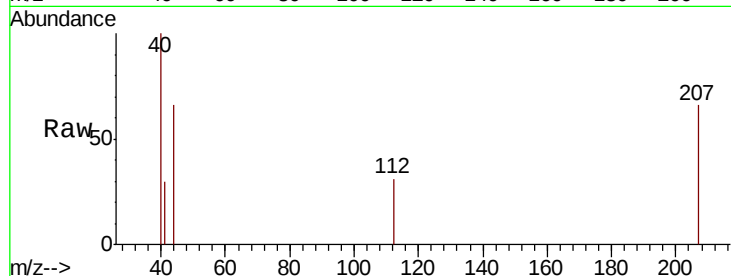




#41
Methacrylonitrile
Concen: 3.851 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW012889.D
Acq: 11 Sep 2019 01:02

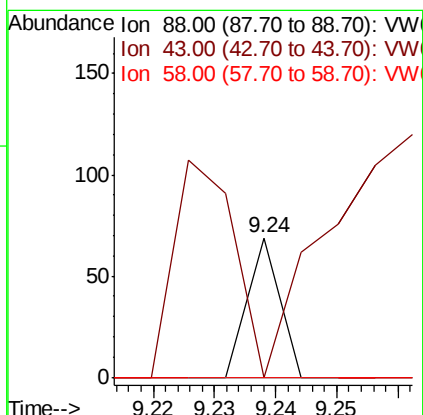
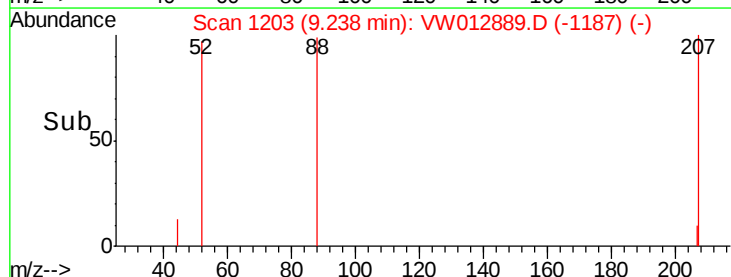
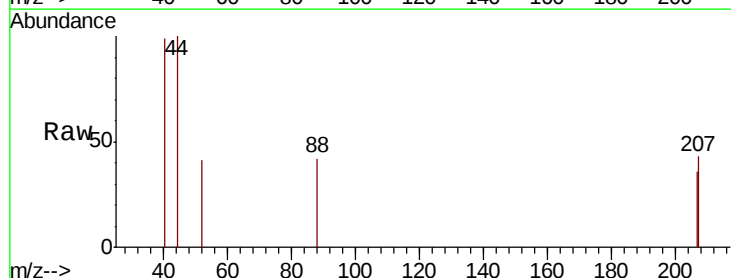
Instrument :
MSVOA_W
ClientSampled :
TP-18-D

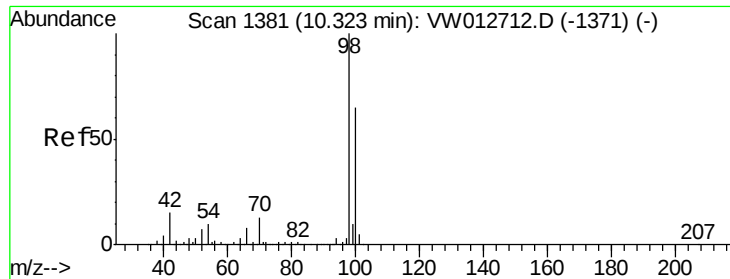
Tgt Ion:	41	Resp:	20
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.5	71.3#
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#



#49
1,4-Dioxane
Concen: 1.024 ug/l
RT: 9.24 min Scan# 1203
Delta R.T. -0.20 min
Lab File: VW012889.D
Acq: 11 Sep 2019 01:02

Tgt Ion:	88	Resp:	25
Ion	Ratio	Lower	Upper
88	100		
43	288.0	34.8	52.2#
58	0.0	64.1	96.1#





#50

Toluene-d8

Concen: 52.730 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012889.D

Acq: 11 Sep 2019 01:02

Instrument :

MSVOA_W

ClientSampleId :

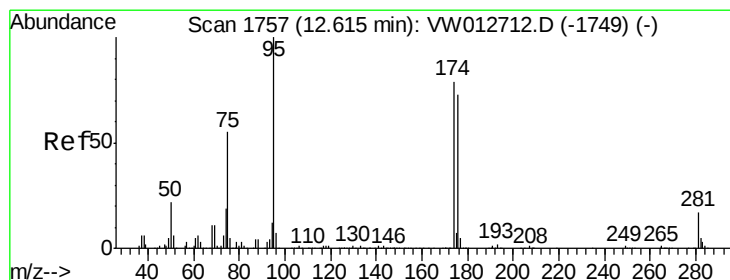
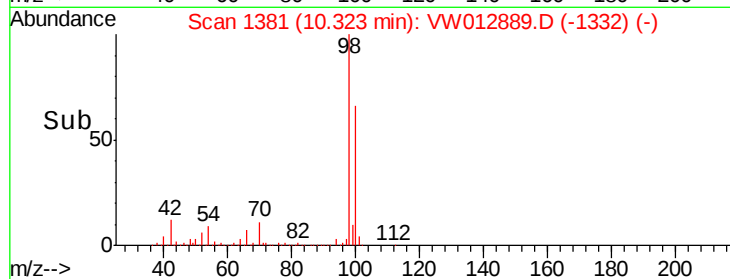
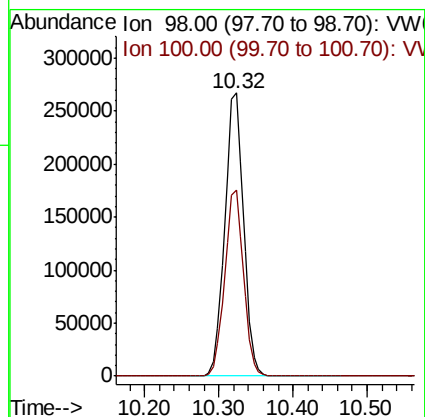
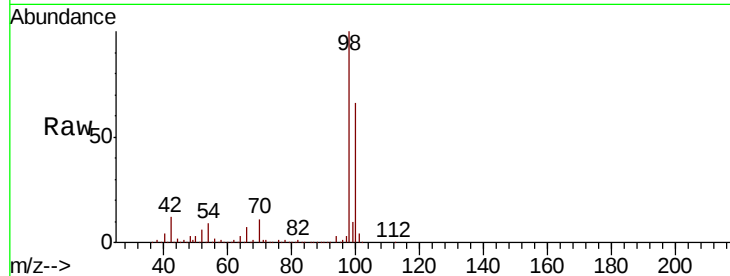
TP-18-D

Tgt Ion: 98 Resp: 469019

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 45.831 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012889.D

Acq: 11 Sep 2019 01:02

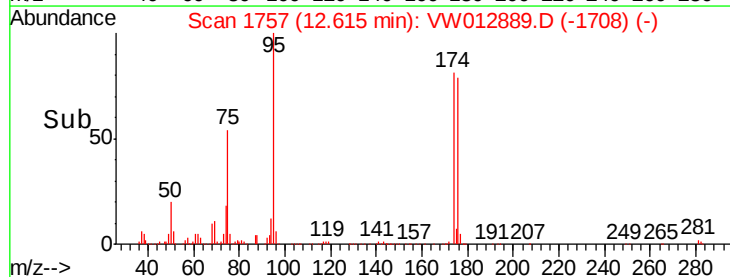
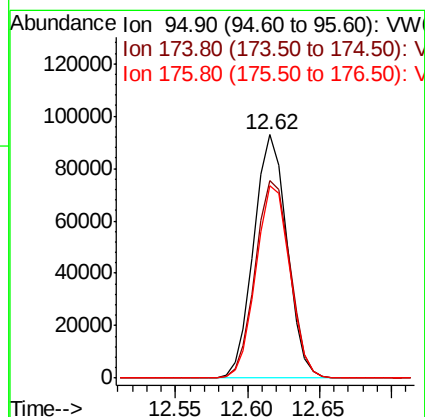
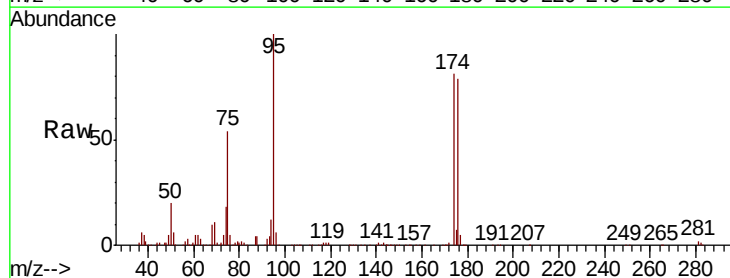
Tgt Ion: 95 Resp: 147990

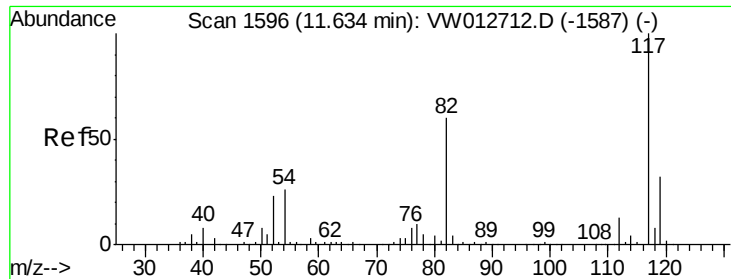
Ion Ratio Lower Upper

95 100

174 85.1 0.0 161.0

176 80.9 0.0 156.4

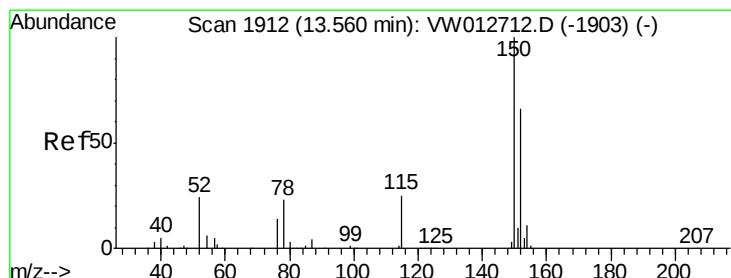
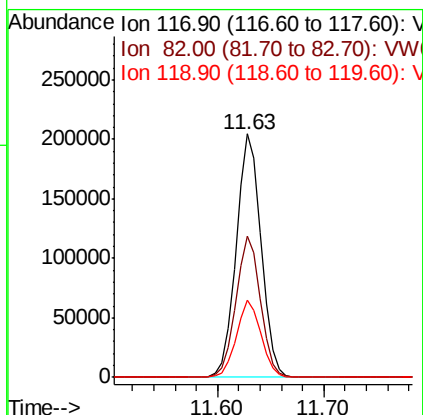
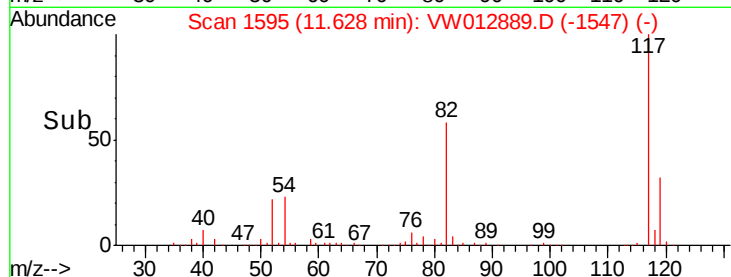
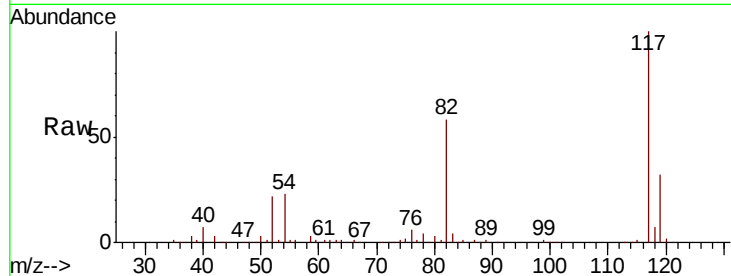




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012889.D
Acq: 11 Sep 2019 01:02

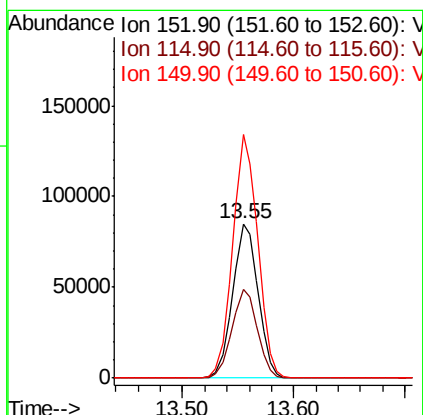
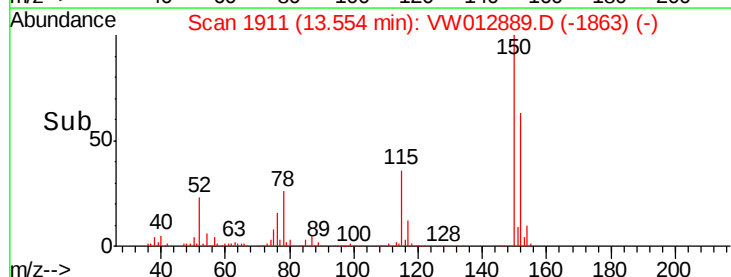
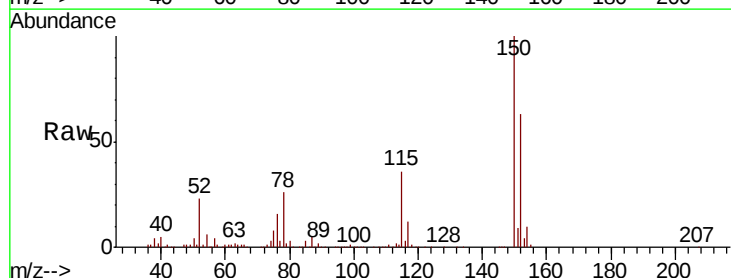
Instrument :
MSVOA_W
ClientSampled :
TP-18-D

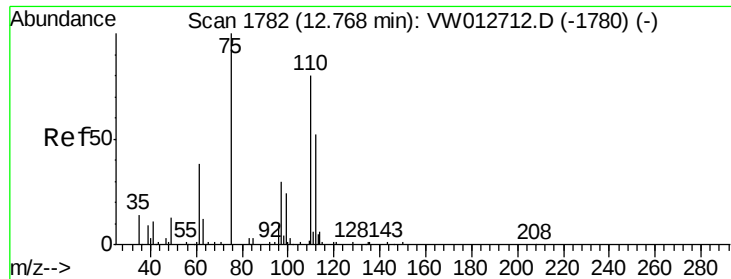
Tgt Ion:117 Resp: 335265
Ion Ratio Lower Upper
117 100
82 58.0 48.2 72.4
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012889.D
Acq: 11 Sep 2019 01:02

Tgt Ion:152 Resp: 134375
Ion Ratio Lower Upper
152 100
115 57.4 30.0 90.1
150 155.0 0.0 349.0

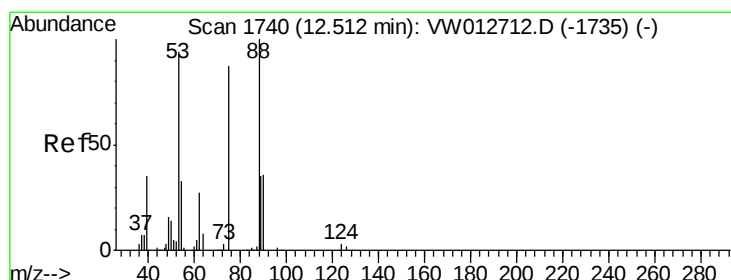
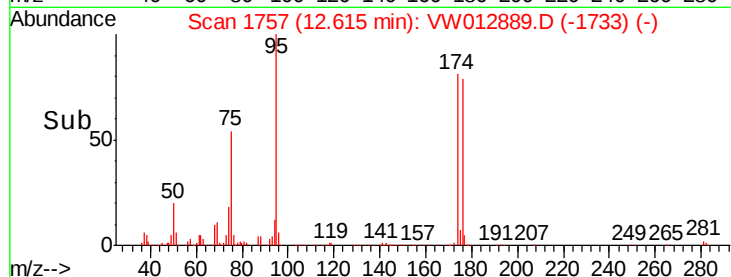
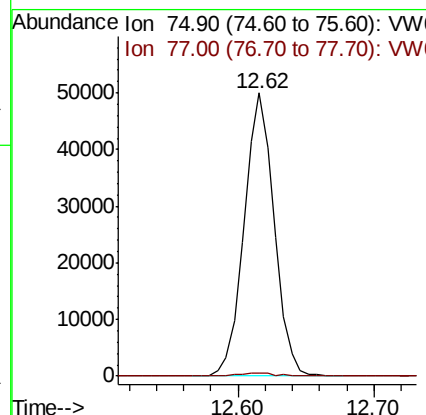
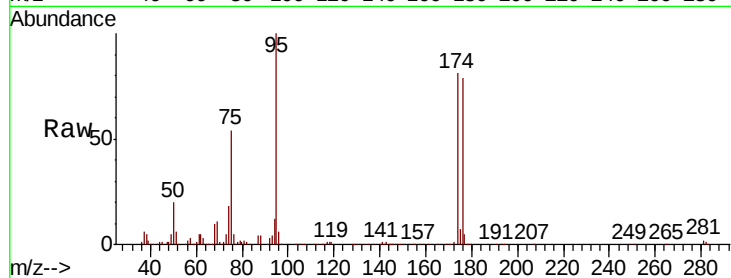




#76
 1,2,3-Trichloropropane
 Concen: 55.957 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012889.D
 Acq: 11 Sep 2019 01:02

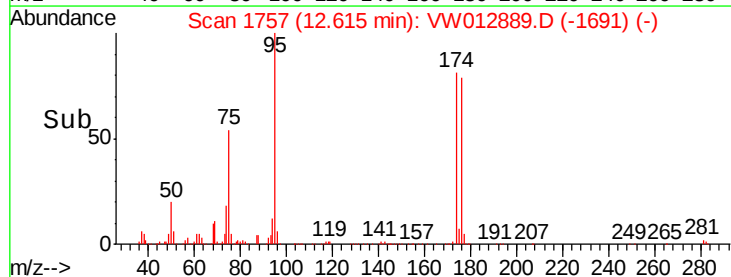
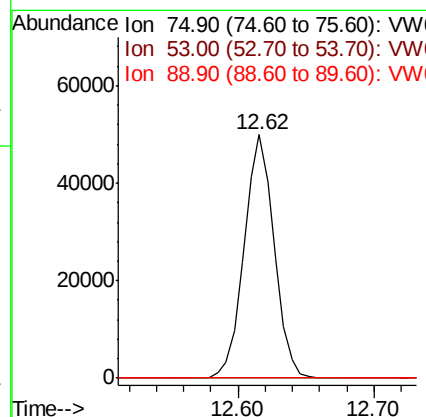
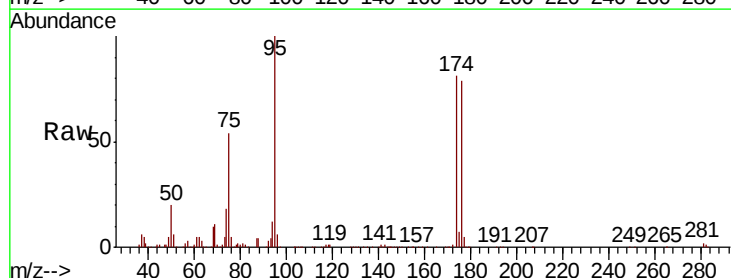
Instrument :
 MSVOA_W
 ClientSampled :
 TP-18-D

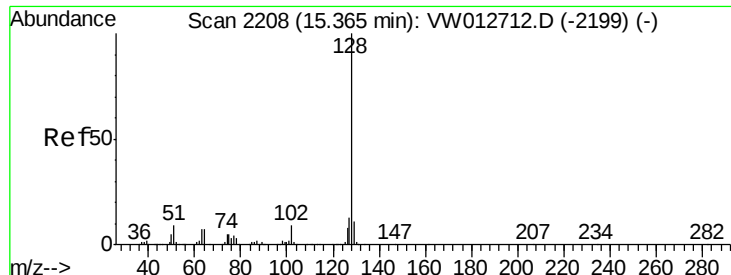
Tgt Ion: 75 Resp: 76888
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.354 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012889.D
 Acq: 11 Sep 2019 01:02

Tgt Ion: 75 Resp: 76888
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 35.5 53.3#





#95

Naphthalene

Concen: 4.517 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012889.D

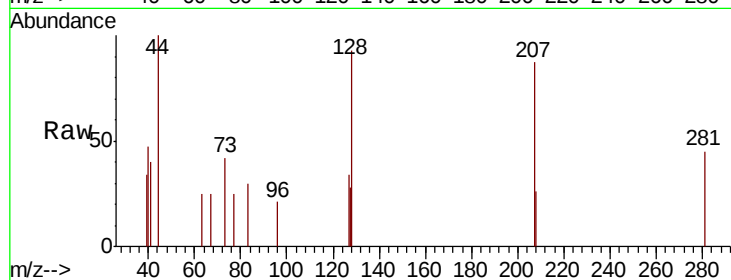
Acq: 11 Sep 2019 01:02

Instrument :

MSVOA_W

ClientSampleId :

TP-18-D



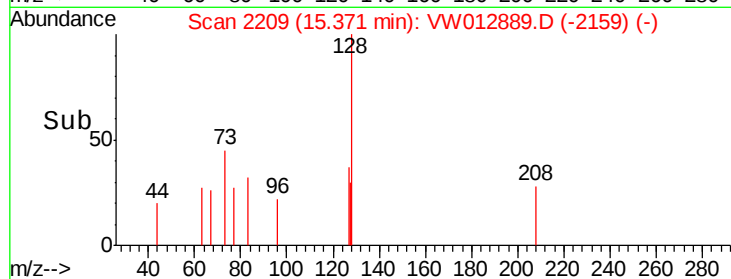
Tgt Ion:128 Resp: 481

Ion Ratio Lower Upper

128 100

127 34.3 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

