

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011548.D
 Acq On : 27 Jul 2019 06:03
 Operator : SY/VA
 Sample : K4024-01
 Misc : 10.37G/5.0ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-8

Quant Time: Jul 29 01:09:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	247604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	160242	56.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.72%	
35) Dibromofluoromethane	7.88	113	124949	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
50) Toluene-d8	10.32	98	499539	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
62) 4-Bromofluorobenzene	12.62	95	142133	42.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.52%	

Target Compounds

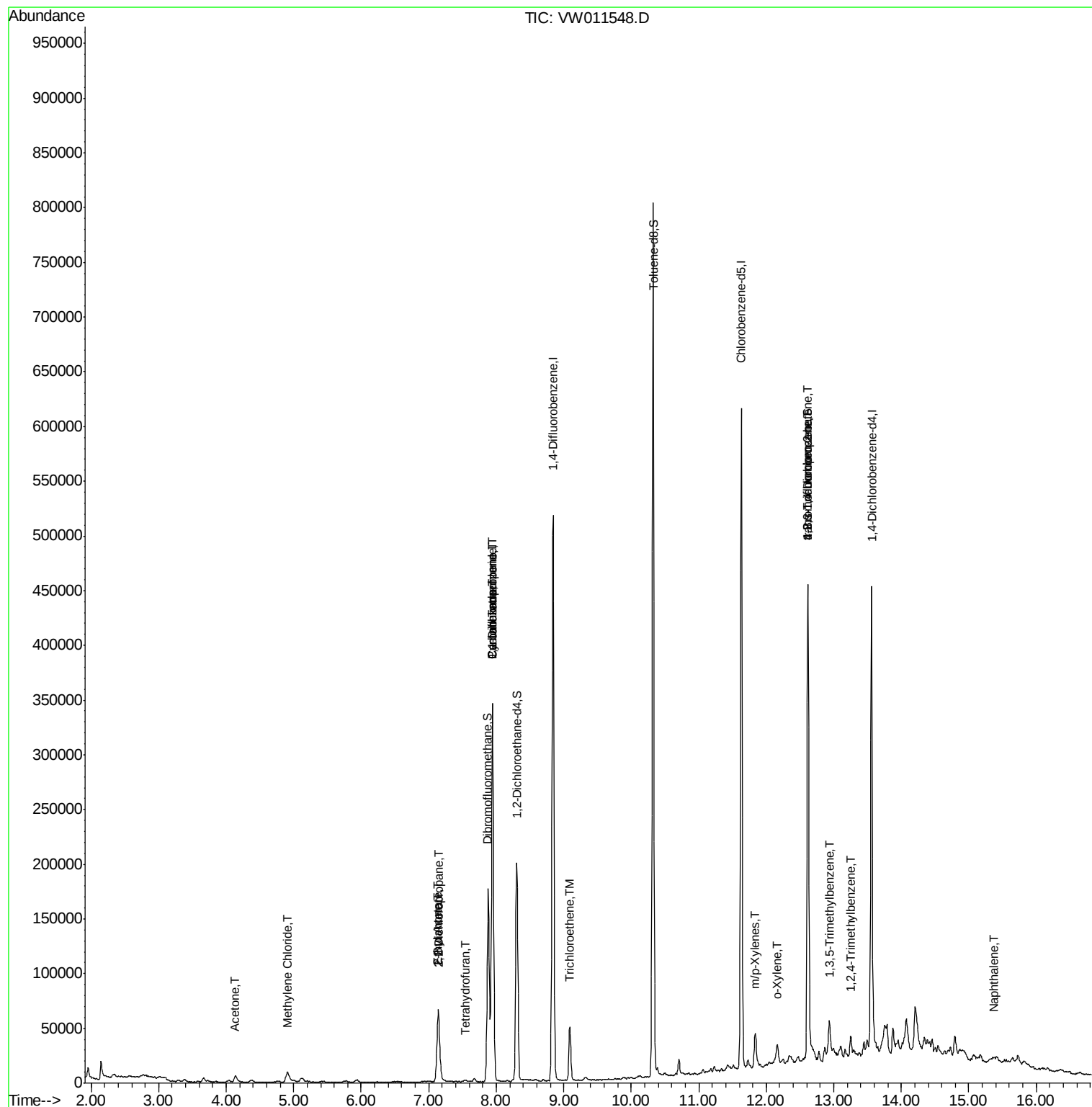
					Qvalue	
11) Tert butyl alcohol	5.18	59	279	Below Cal	#	86
16) Acetone	4.14	43	11838	13.089	ug/l	97
20) Methylene Chloride	4.90	84	6258	2.006	ug/l	95
25) 2-Butanone	7.14	43	5394	4.558	ug/l #	87
26) 2,2-Dichloropropane	7.15	77	4677	1.373	ug/l #	54
29) Tetrahydrofuran	7.54	42	1331	1.968	ug/l	93
31) Cyclohexane	7.94	56	6424	1.208	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	21656	5.071	ug/l #	51
37) Ethyl Acetate	7.14	43	5394	2.195	ug/l #	19
38) Carbon Tetrachloride	7.95	117	25320	6.926	ug/l #	17
44) Trichloroethene	9.09	130	16784	5.838	ug/l	94
68) m/p-Xylenes	11.84	106	8464	1.905	ug/l	99
69) o-Xylene	12.16	106	4786	1.159	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	74544	66.832	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	6840	1.038	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.62	75	74544	154.025	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.25	105	11382	1.714	ug/l	99
95) Naphthalene	15.36	128	1594	2.433	ug/l #	76

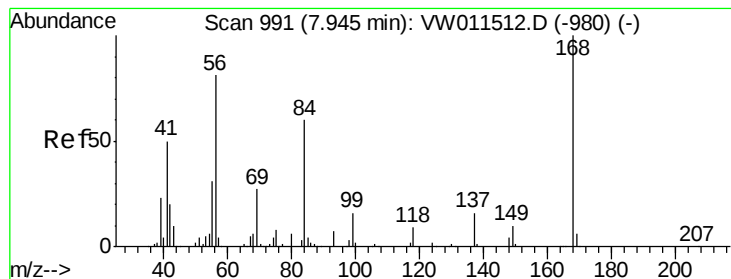
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072719\
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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: VW011548.D

Acq: 27 Jul 2019 06:03

Instrument :

MSVOA_W

ClientSampled :

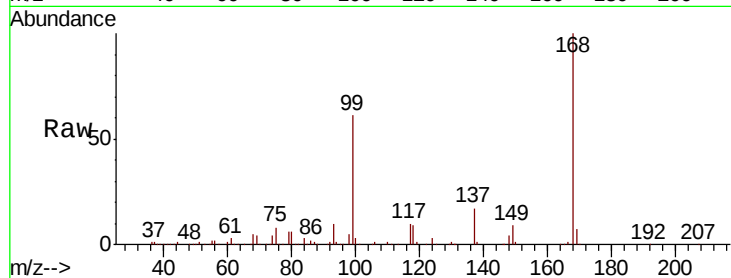
TP-8

Tot Ion:168 Resp: 247604

Ion Ratio Lower Upper

168 100

99 60.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

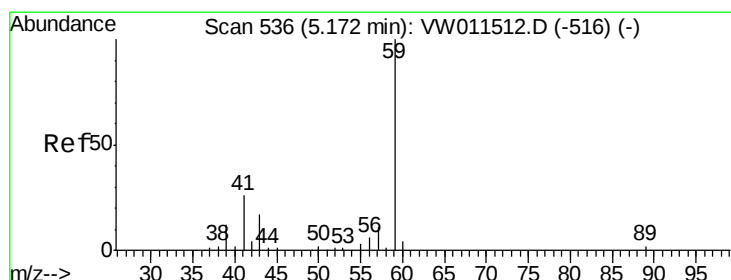
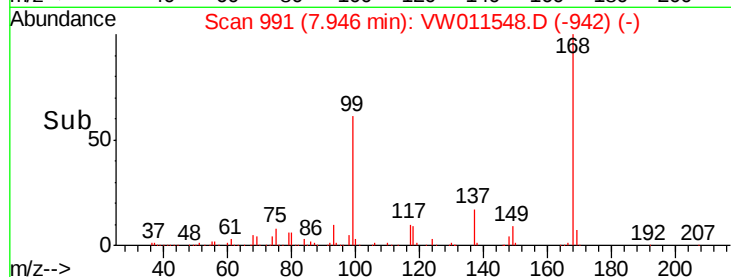
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW011548.D

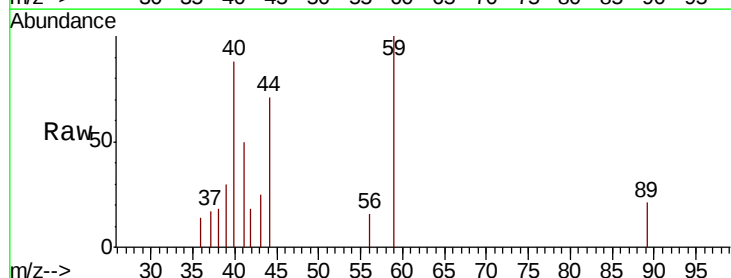
Acq: 27 Jul 2019 06:03

Tgt Ion: 59 Resp: 279

Ion Ratio Lower Upper

59 100

57 15.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

500

400

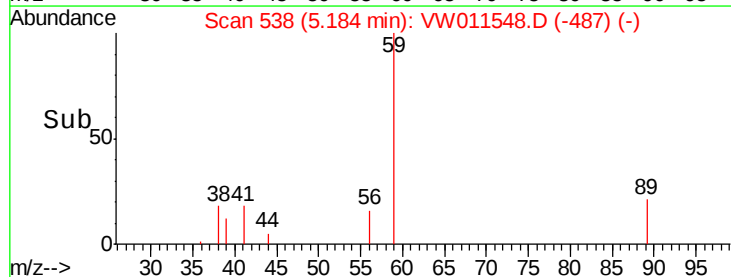
300

200

100

0

Time--> 5.17 5.18 5.19 5.20





#16

Acetone

Concen: 13.089 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011548.D

Acq: 27 Jul 2019 06:03

Instrument :

MSVOA_W

ClientSampleId :

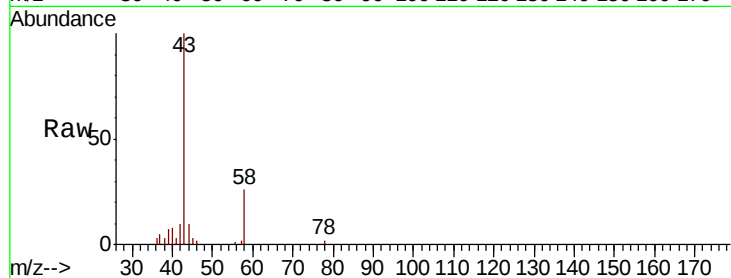
TP-8

Tot Ion: 43 Resp: 11838

Ion Ratio Lower Upper

43 100

58 26.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

4000

3000

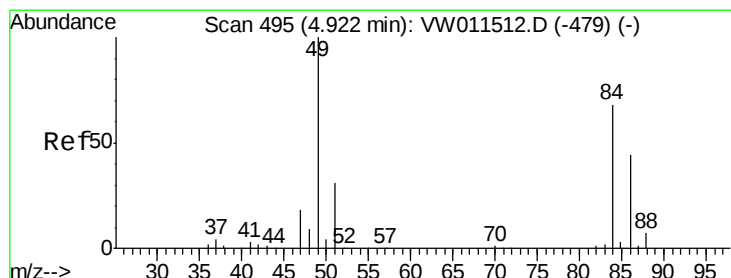
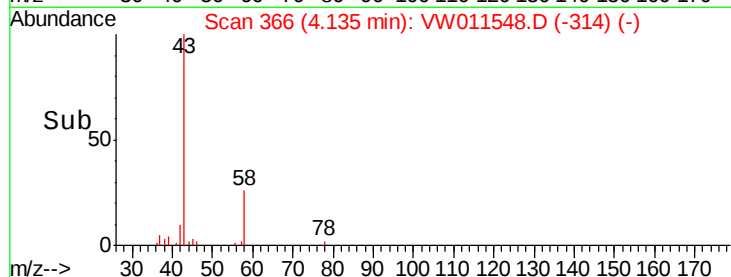
2000

1000

0

Time-->

4.00 4.10 4.20 4.30



#20

Methylene Chloride

Concen: 2.006 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW011548.D

Acq: 27 Jul 2019 06:03

Tgt Ion: 84 Resp: 6258

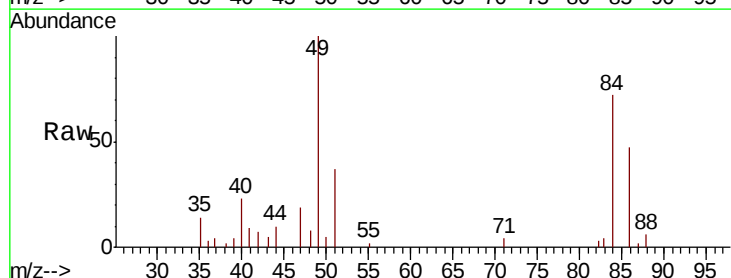
Ion Ratio Lower Upper

84 100

49 139.8 117.8 176.6

51 52.1 37.0 55.4

86 66.0 51.8 77.8



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

4.90

4000

3000

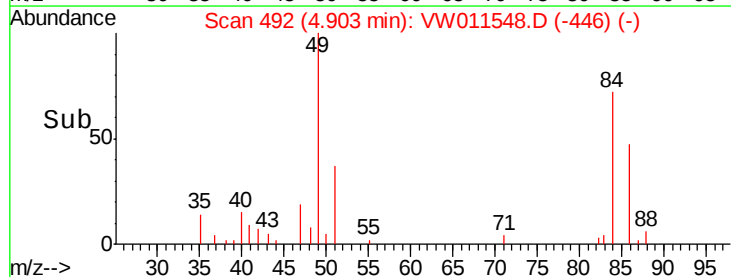
2000

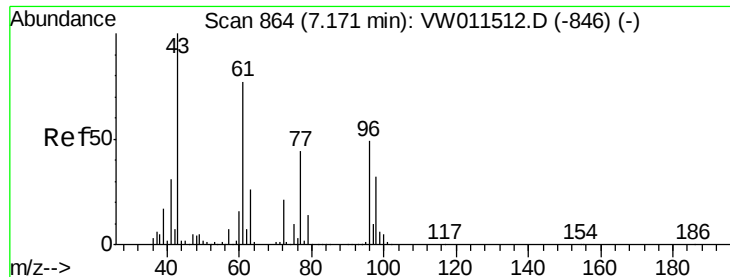
1000

0

Time-->

4.80 4.90 5.00





#25

2-Butanone

Concen: 4.558 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011548.D

Acq: 27 Jul 2019 06:03

Instrument :

MSVOA_W

ClientSampled :

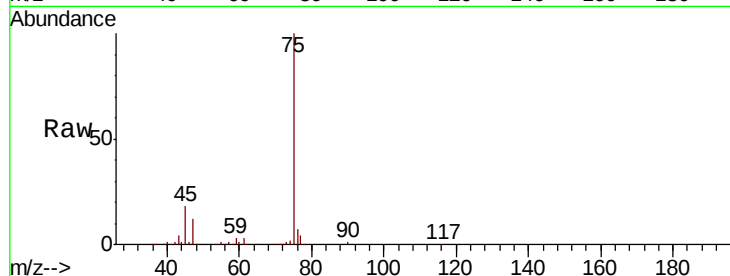
TP-8

Tot Ion: 43 Resp: 5394

Ion Ratio Lower Upper

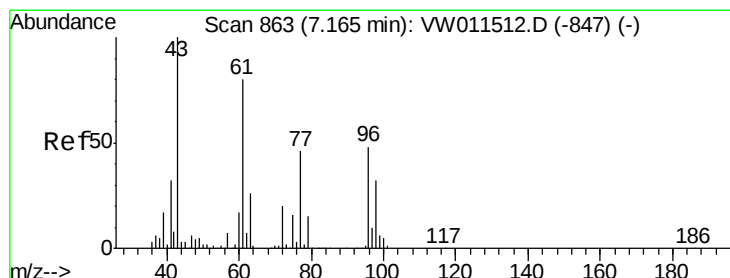
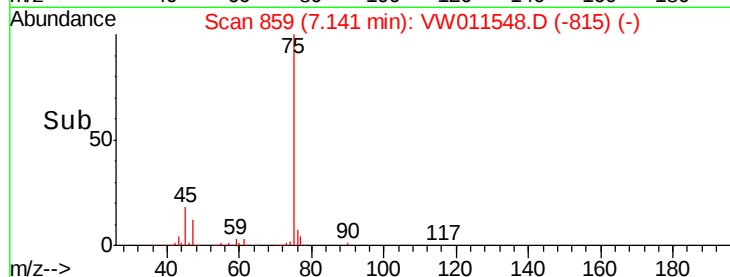
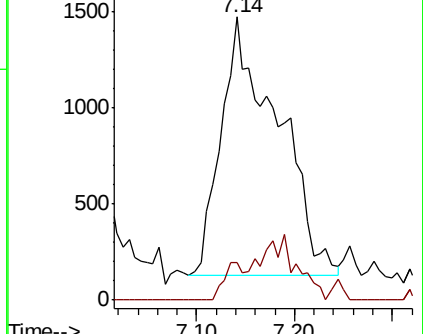
43 100

72 14.6 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.373 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW011548.D

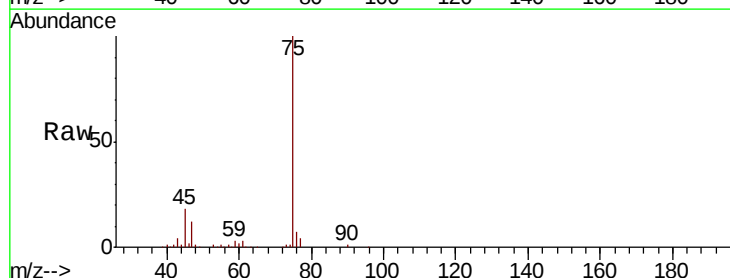
Acq: 27 Jul 2019 06:03

Tgt Ion: 77 Resp: 4677

Ion Ratio Lower Upper

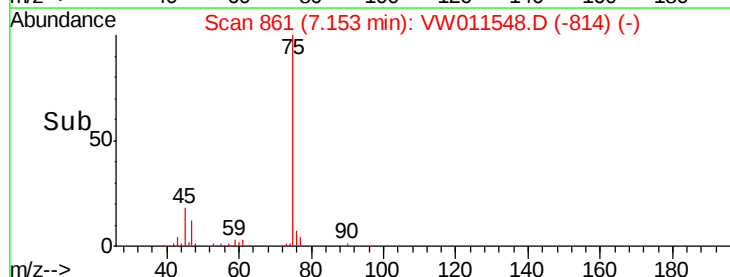
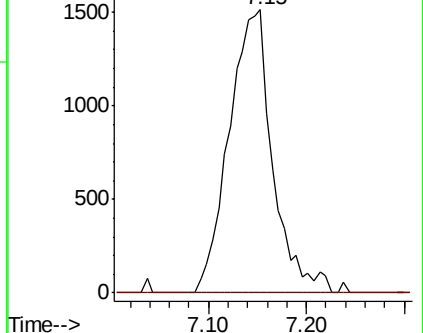
77 100

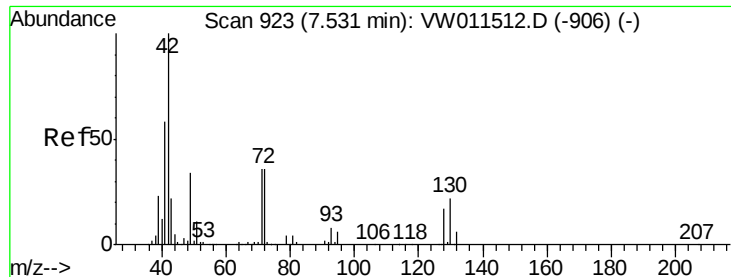
97 0.0 10.8 32.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#29

Tetrahydrofuran

Concen: 1.968 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW011548.D

Acq: 27 Jul 2019 06:03

Instrument :

MSVOA_W

ClientSampleId :

TP-8

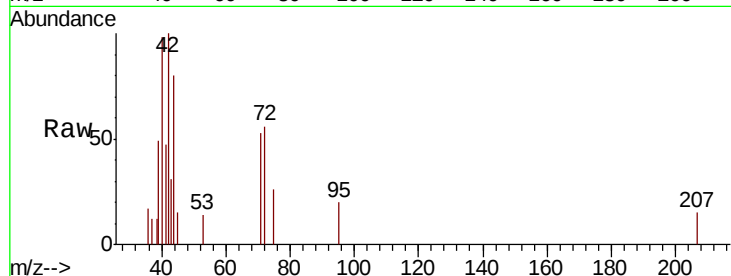
Tot Ion: 42 Resp: 1331

Ion Ratio Lower Upper

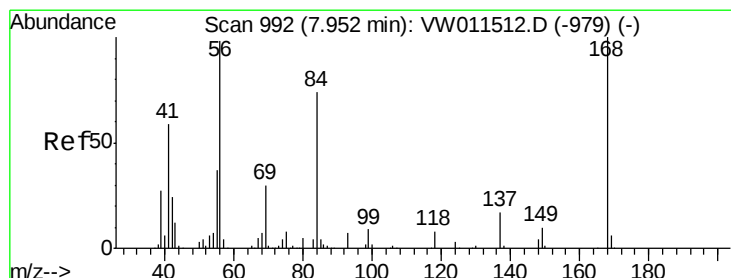
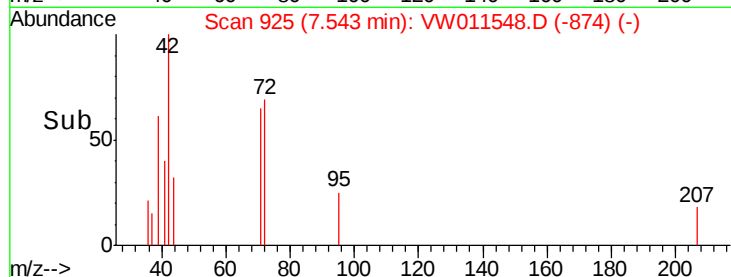
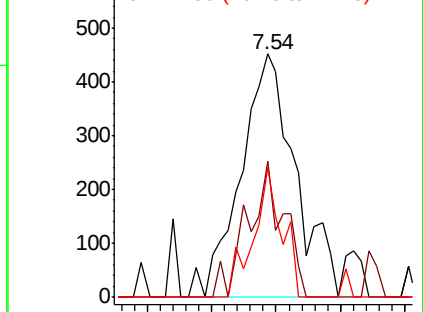
42 100

72 36.5 27.1 40.7

71 27.6 26.2 39.4



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



#31

Cyclohexane

Concen: 1.208 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011548.D

Acq: 27 Jul 2019 06:03

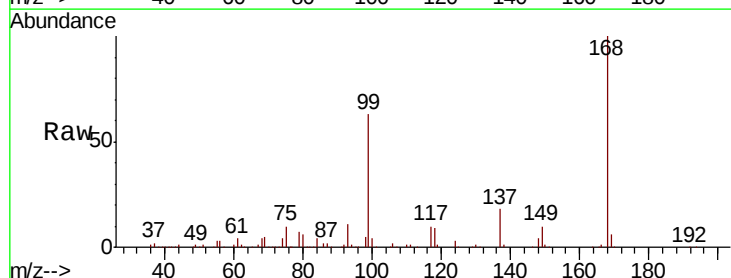
Tgt Ion: 56 Resp: 6424

Ion Ratio Lower Upper

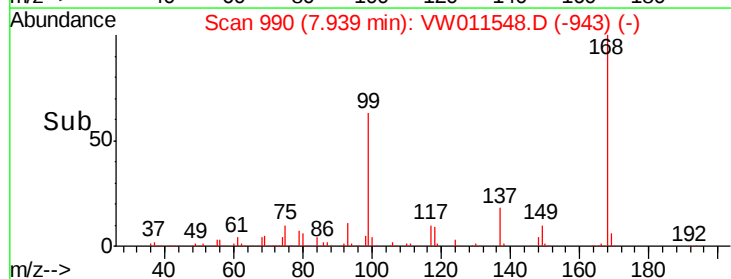
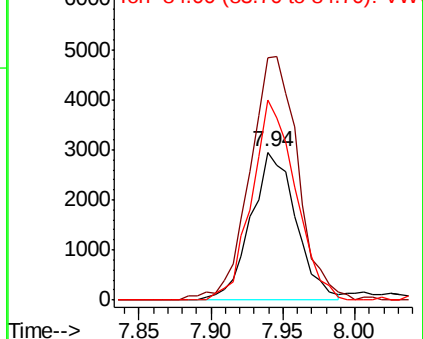
56 100

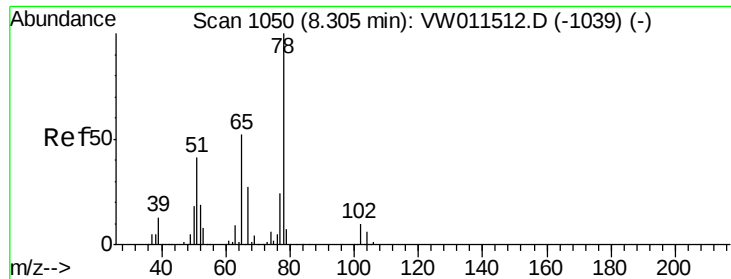
69 161.0 24.3 36.5#

84 134.7 60.4 90.6#



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: 56.360 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011548.D

Acq: 27 Jul 2019 06:03

Instrument :

MSVOA_W

ClientSampled :

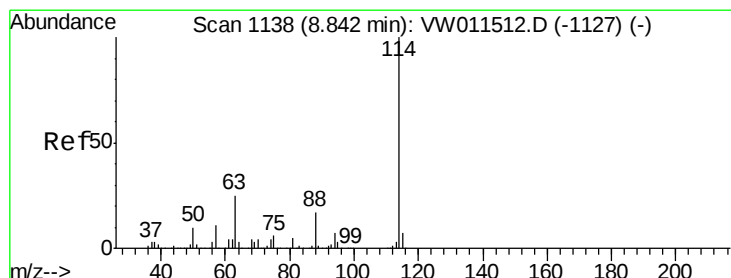
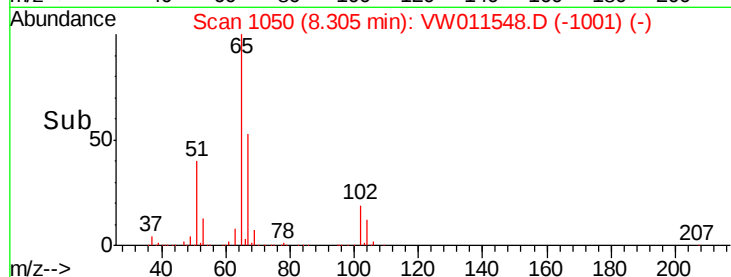
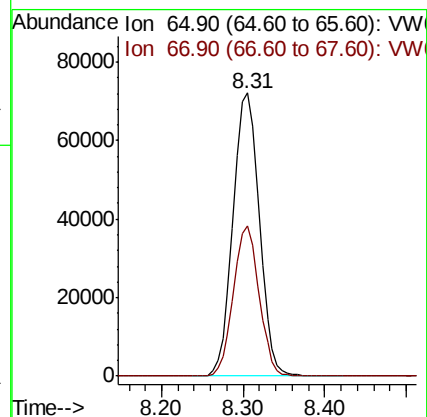
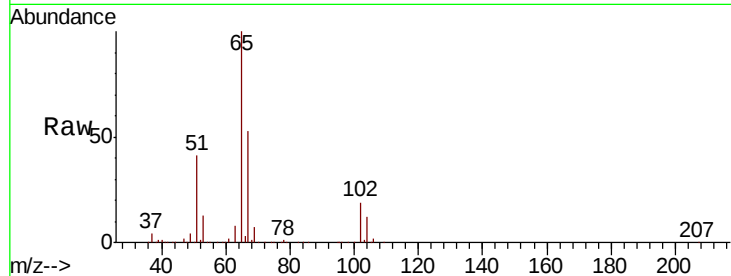
TP-8

Tot Ion: 65 Resp: 160242

Ion Ratio Lower Upper

65 100

67 52.0 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011548.D

Acq: 27 Jul 2019 06:03

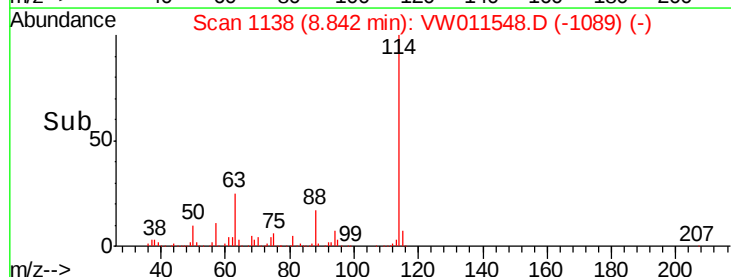
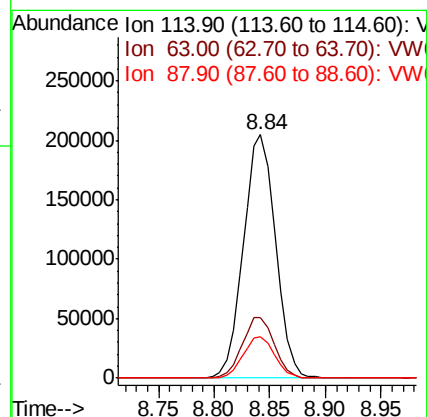
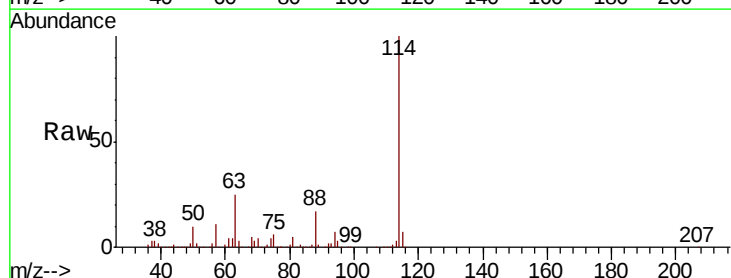
Tgt Ion: 114 Resp: 410687

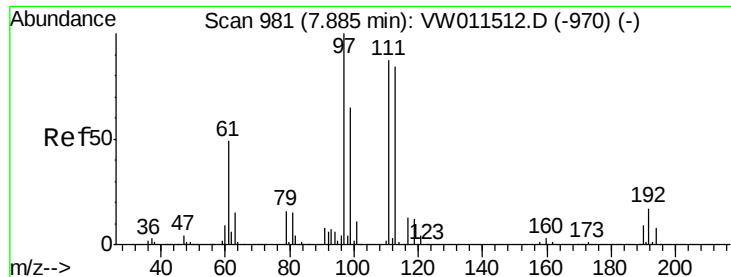
Ion Ratio Lower Upper

114 100

63 24.9 0.0 49.2

88 17.2 0.0 33.8

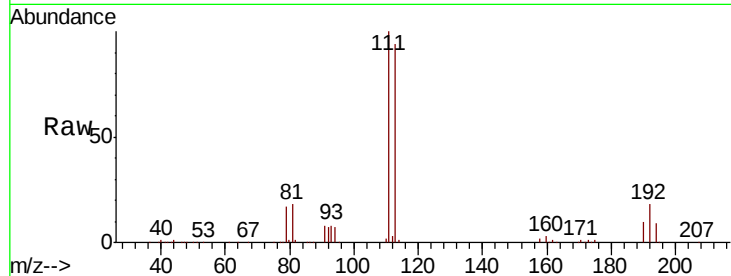




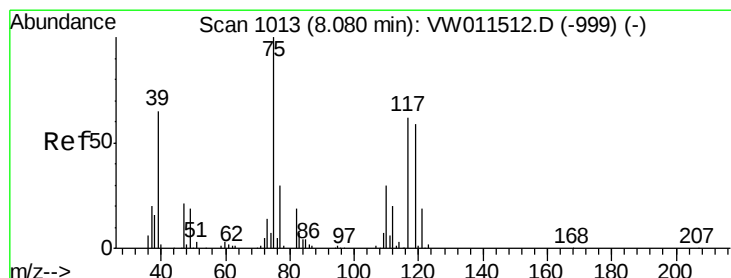
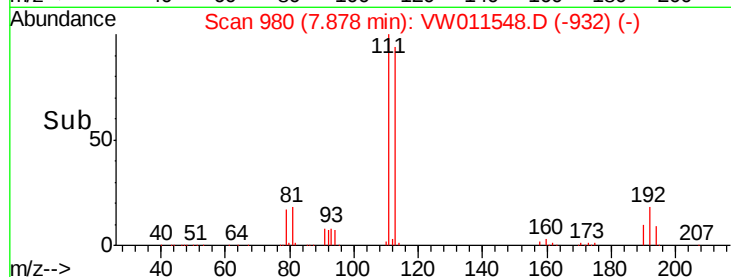
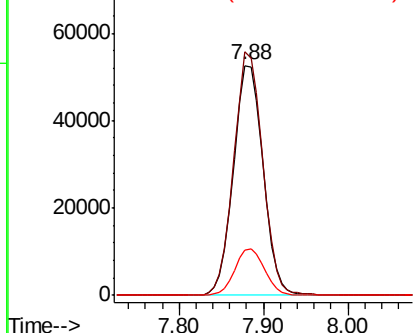
#35
 Dibromofluoromethane
 Concen: 54.231 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011548.D
 Acq: 27 Jul 2019 06:03

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-8

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.7	124.1
192	20.3	16.1	24.1

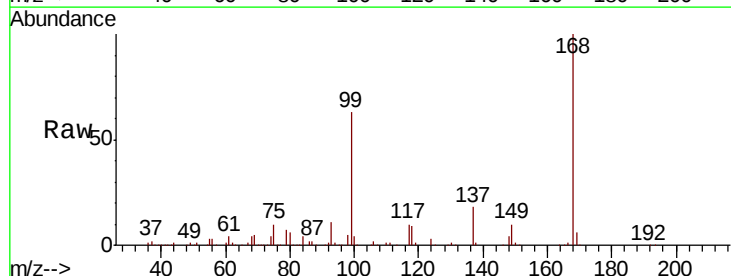


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

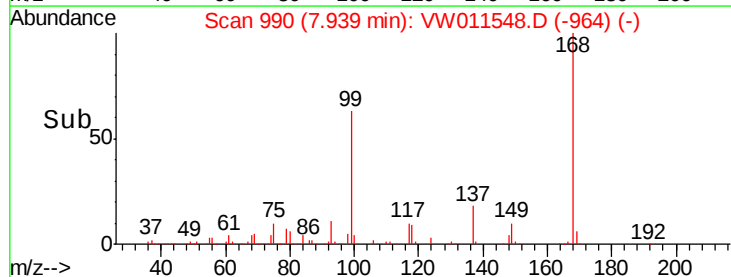
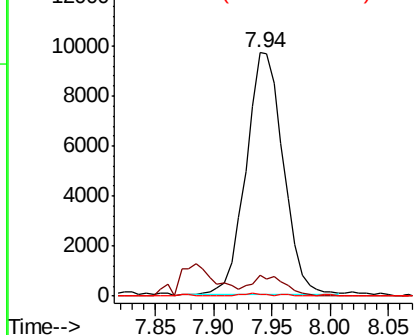


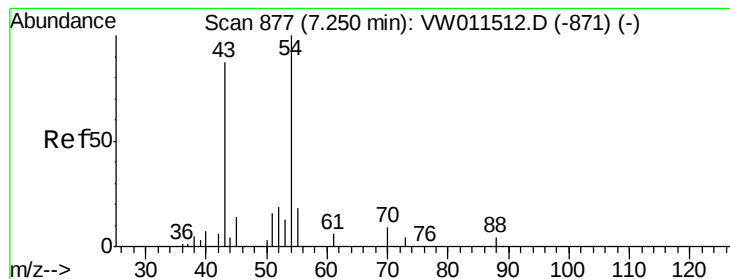
#36
 1,1-Dichloropropene
 Concen: 5.071 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011548.D
 Acq: 27 Jul 2019 06:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	15.6	46.8#
77	0.6	24.3	36.5#



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: 2.195 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.11 min

Lab File: VW011548.D

Acq: 27 Jul 2019 06:03

Instrument :

MSVOA_W

ClientSampleId :

TP-8

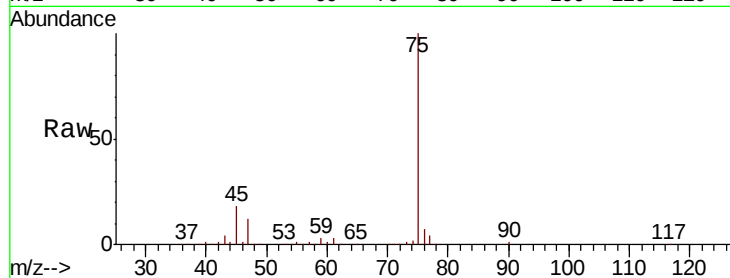
Tot Ion: 43 Resp: 5394

Ion Ratio Lower Upper

43 100

61 61.8 8.8 13.2#

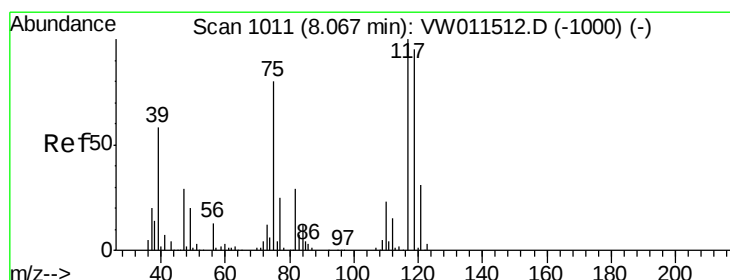
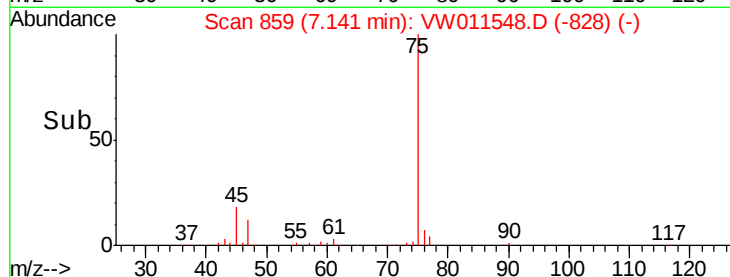
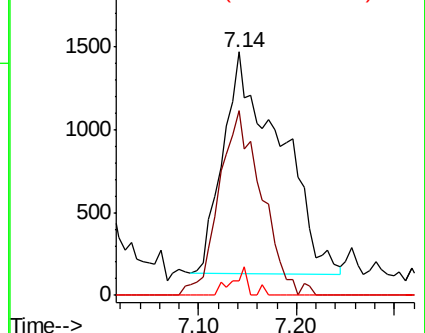
70 3.3 7.1 10.7#



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: 6.926 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011548.D

Acq: 27 Jul 2019 06:03

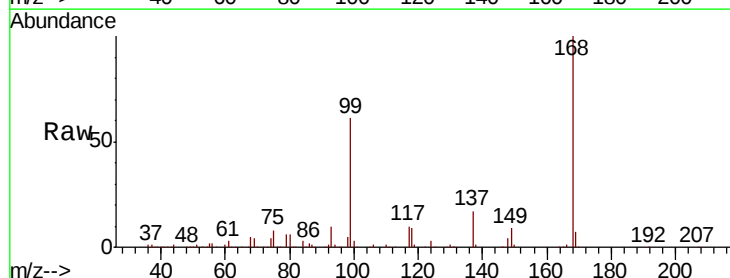
Tgt Ion: 117 Resp: 25320

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

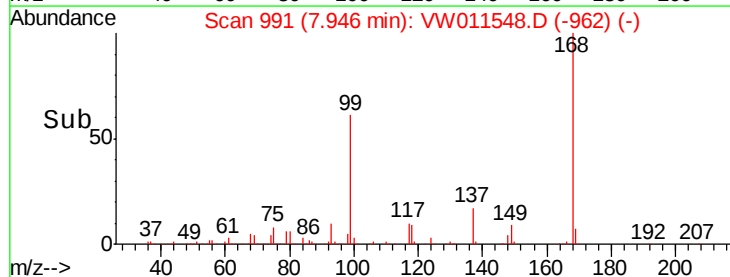
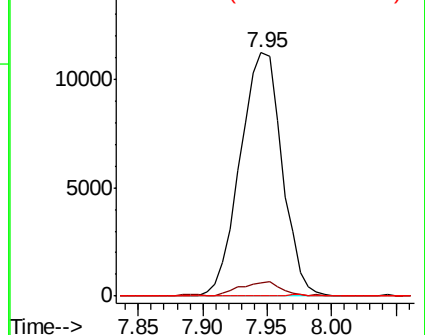
121 0.0 24.7 37.1#

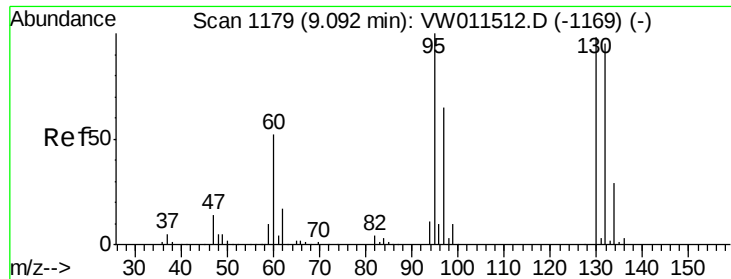


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 5.838 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011548.D

Acq: 27 Jul 2019 06:03

Instrument :

MSVOA_W

ClientSampled :

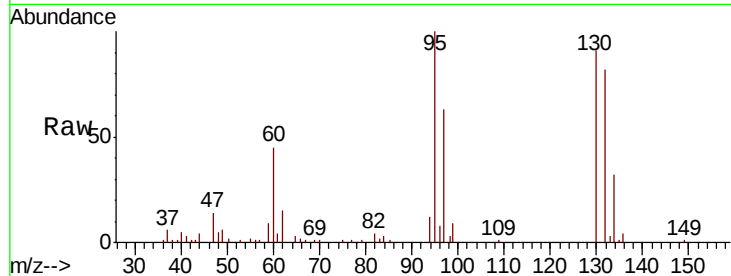
TP-8

Tot Ion:130 Resp: 16784

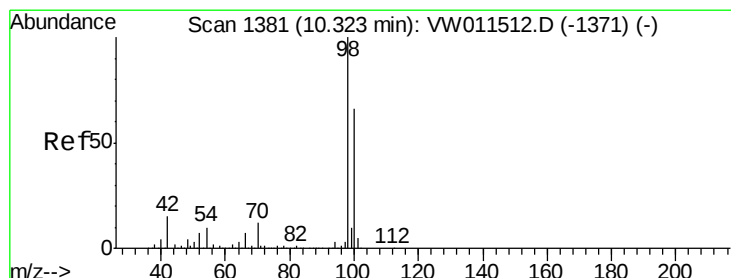
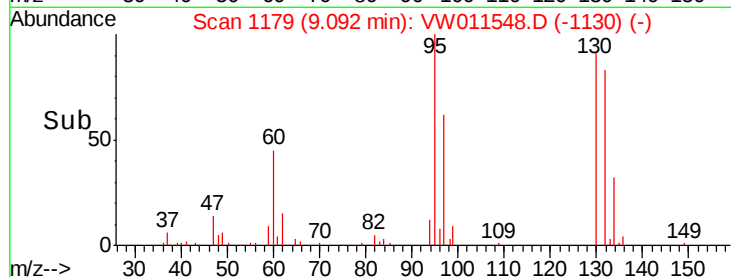
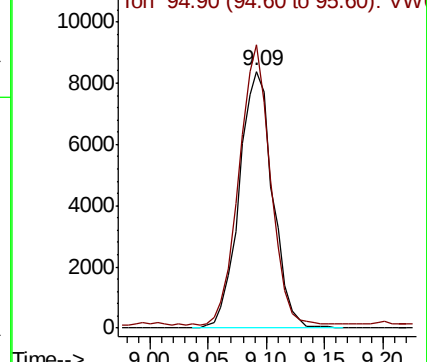
Ion Ratio Lower Upper

130 100

95 108.7 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): VW011512.D (-1169) (-)



#50

Toluene-d8

Concen: 52.954 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011548.D

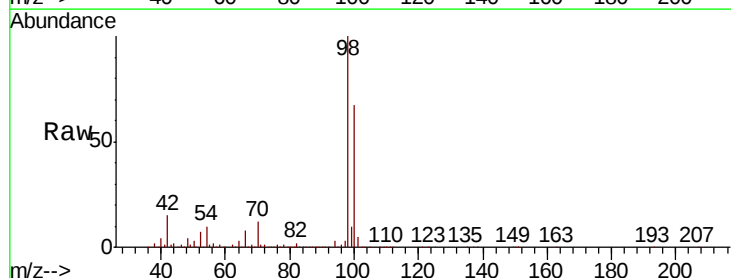
Acq: 27 Jul 2019 06:03

Tgt Ion: 98 Resp: 499539

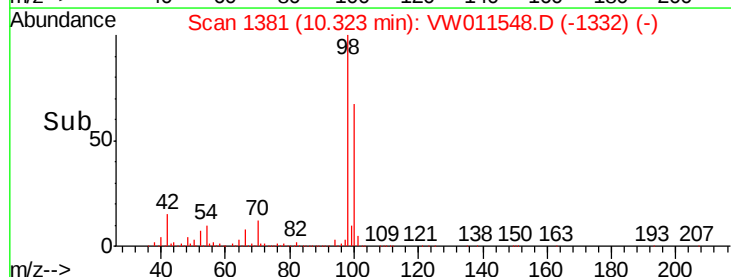
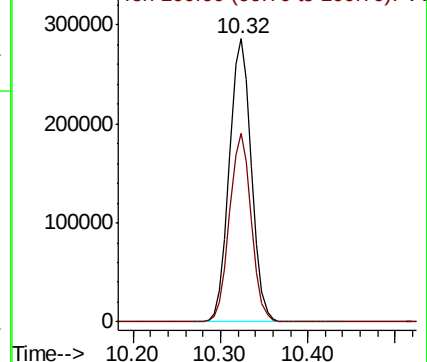
Ion Ratio Lower Upper

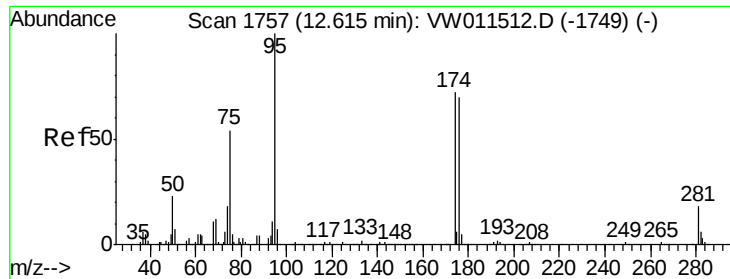
98 100

100 65.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW011512.D (-1371) (-)

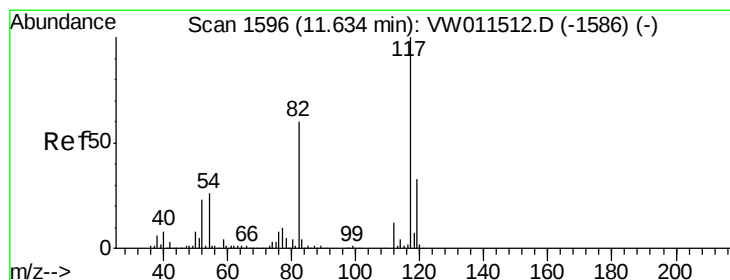
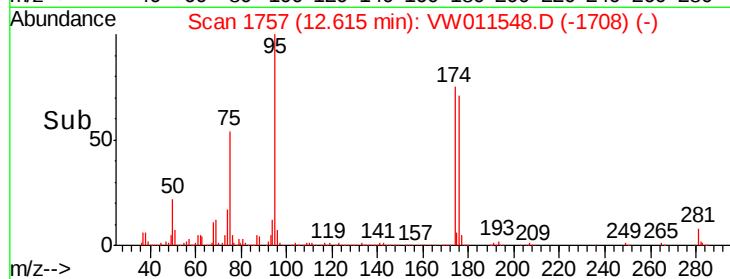
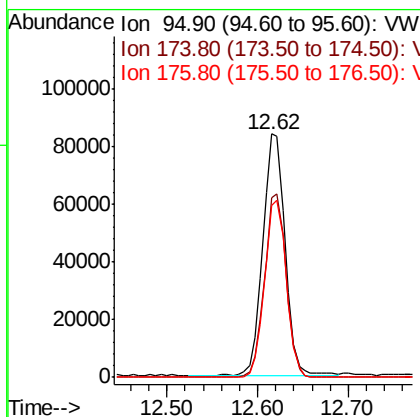
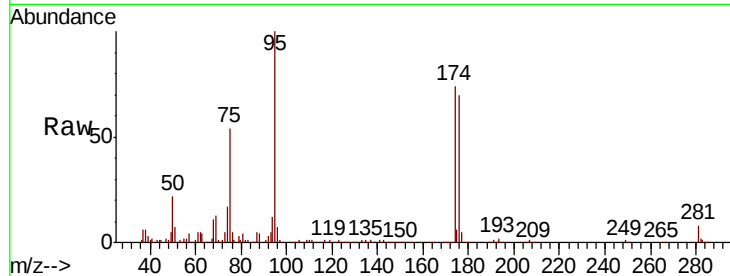




#62
4-Bromofluorobenzene
Concen: 42.261 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011548.D
Acq: 27 Jul 2019 06:03

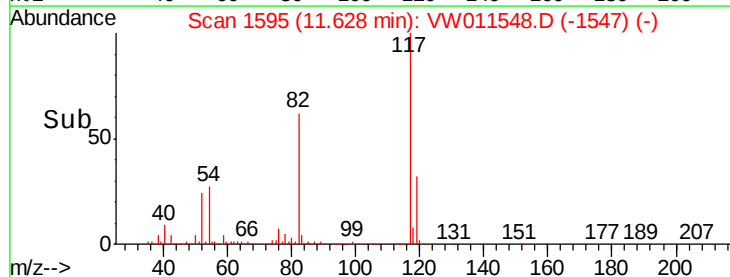
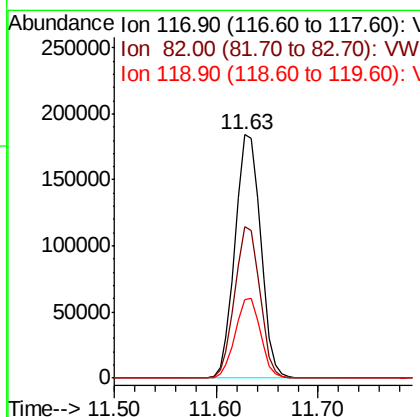
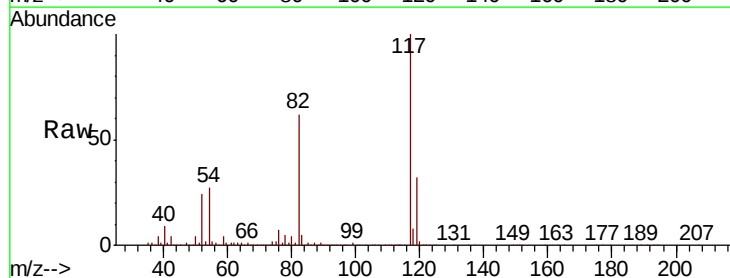
Instrument :
MSVOA_W
ClientSampled :
TP-8

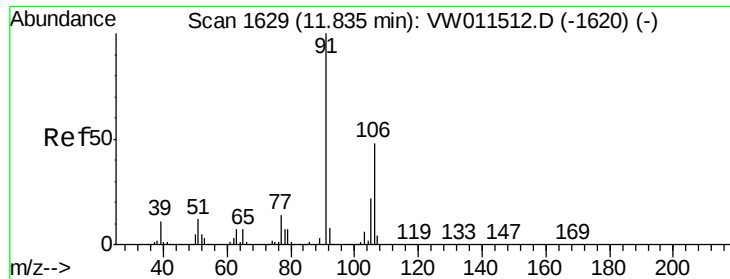
Tot Ion: 95 Resp: 142133
Ion Ratio Lower Upper
95 100
174 74.0 0.0 150.2
176 71.4 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011548.D
Acq: 27 Jul 2019 06:03

Tgt Ion: 117 Resp: 319026
Ion Ratio Lower Upper
117 100
82 61.9 47.9 71.9
119 32.0 26.2 39.2

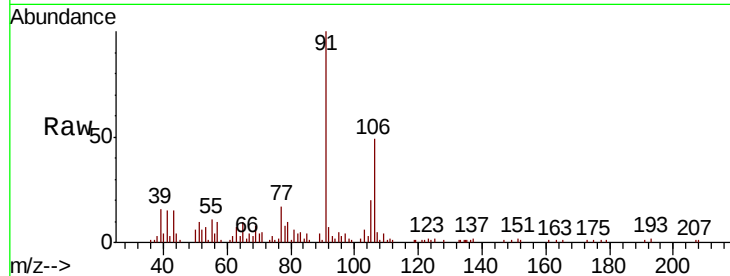




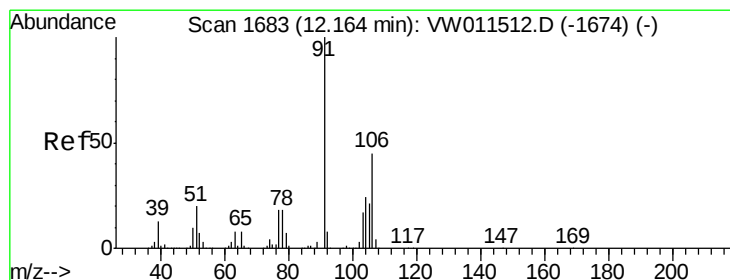
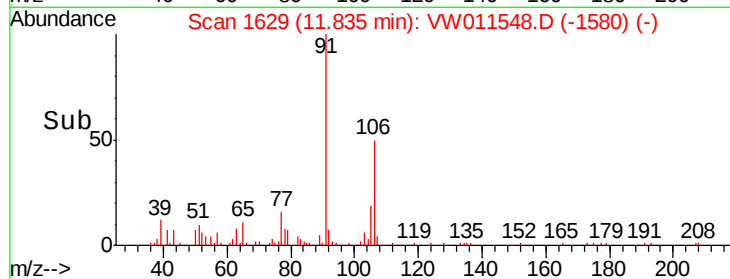
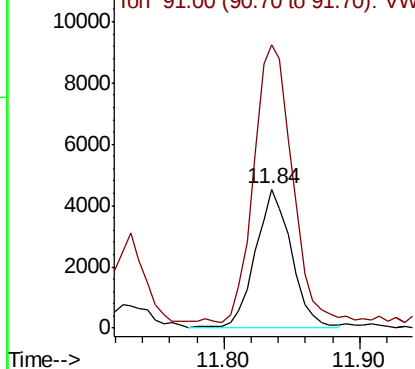
#68
m/p-Xylenes
Concen: 1.905 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW011548.D
Acq: 27 Jul 2019 06:03

Instrument :
MSVOA_W
ClientSampled :
TP-8

Tot Ion:106 Resp: 8464
Ion Ratio Lower Upper
106 100
91 211.8 168.2 252.2

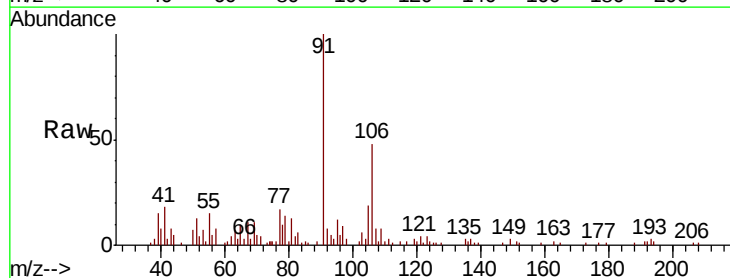


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

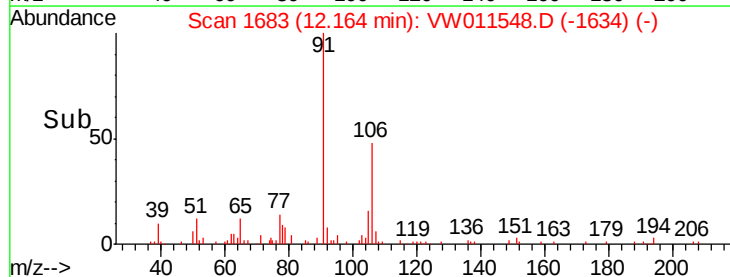
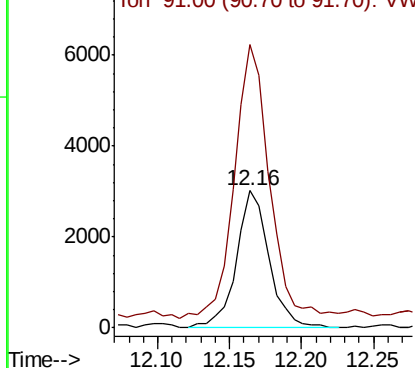


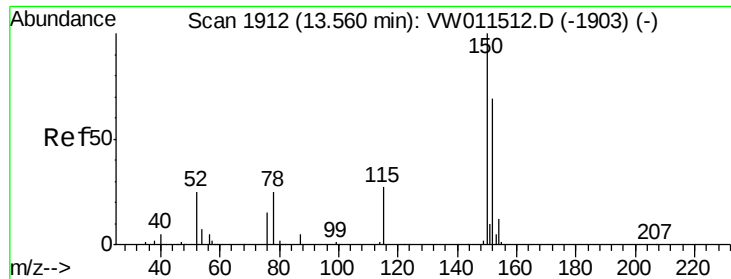
#69
o-Xylene
Concen: 1.159 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011548.D
Acq: 27 Jul 2019 06:03

Tgt Ion:106 Resp: 4786
Ion Ratio Lower Upper
106 100
91 213.0 110.5 331.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW



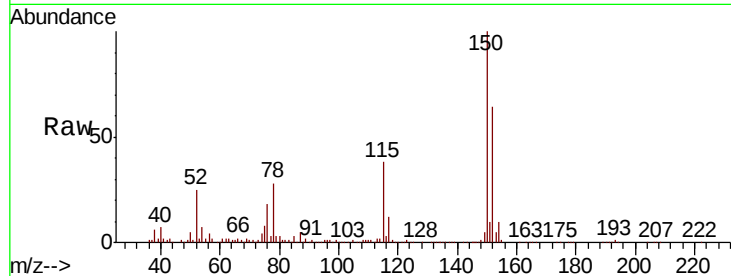


#72

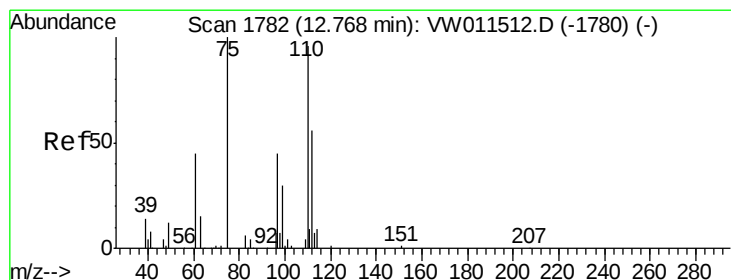
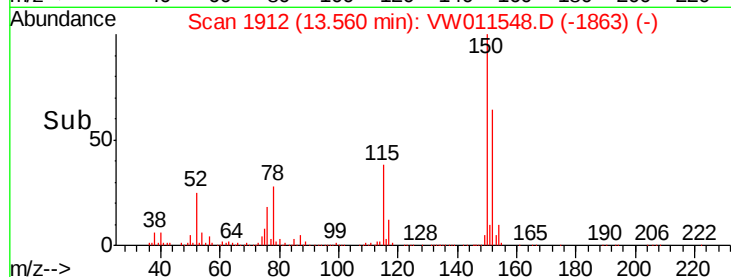
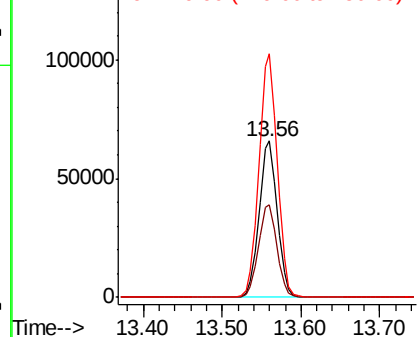
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011548.D
Acq: 27 Jul 2019 06:03

Instrument :
MSVOA_W
ClientSampled :
TP-8

Tot Ion:152 Resp: 105413
Ion Ratio Lower Upper
152 100
115 60.0 30.5 91.5
150 156.0 0.0 352.6



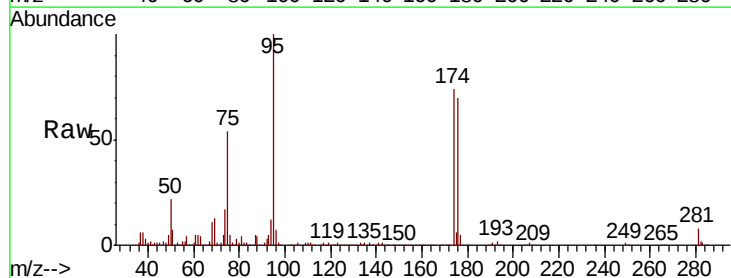
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



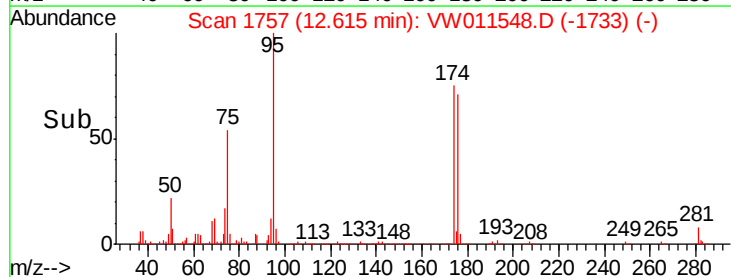
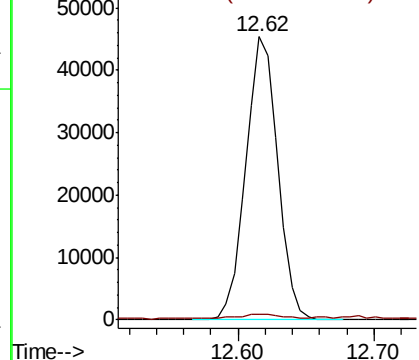
#76

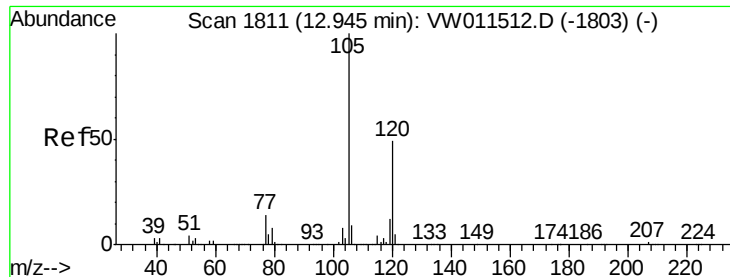
1,2,3-Trichloropropane
Concen: 66.832 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011548.D
Acq: 27 Jul 2019 06:03

Tgt Ion: 75 Resp: 74544
Ion Ratio Lower Upper
75 100
77 2.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#80

1,3,5-Trimethylbenzene

Concen: 1.038 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011548.D

Acq: 27 Jul 2019 06:03

Instrument :

MSVOA_W

ClientSampled :

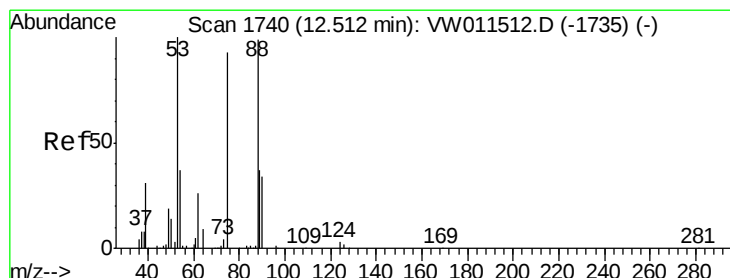
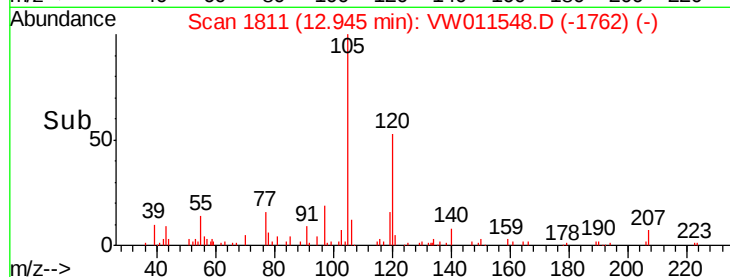
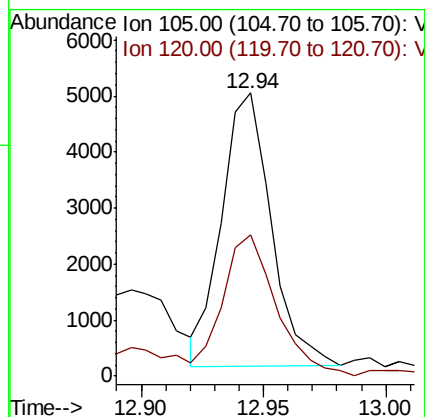
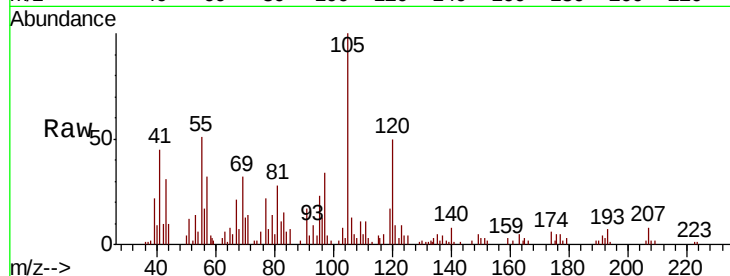
TP-8

Tot Ion:105 Resp: 6840

Ion Ratio Lower Upper

105 100

120 56.2 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 154.025 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011548.D

Acq: 27 Jul 2019 06:03

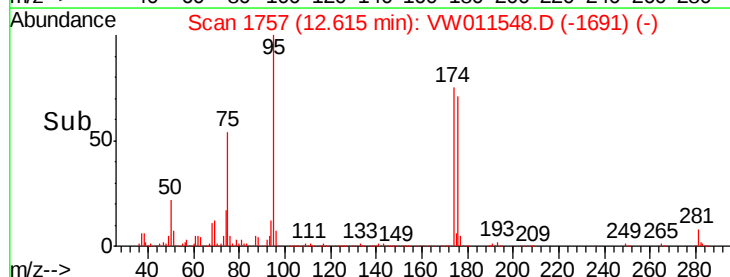
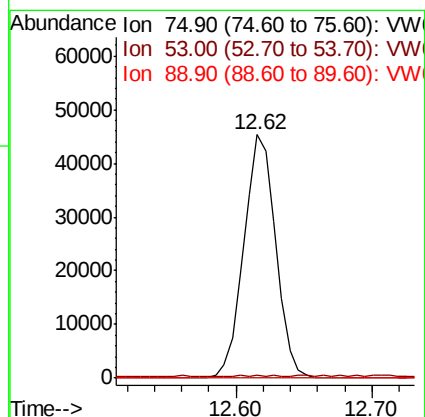
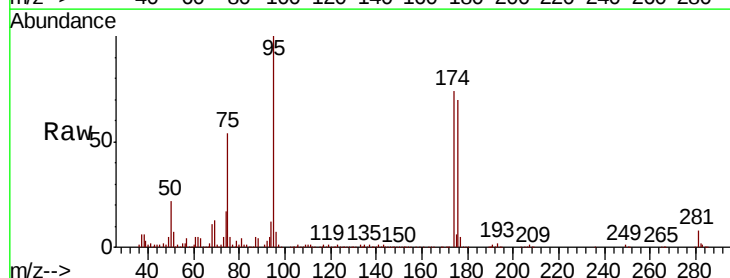
Tgt Ion: 75 Resp: 74544

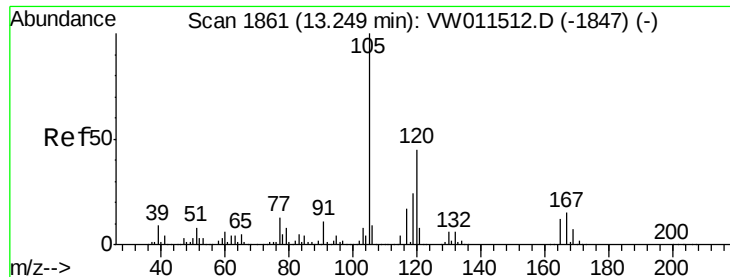
Ion Ratio Lower Upper

75 100

53 0.3 88.0 132.0#

89 0.2 35.3 52.9#

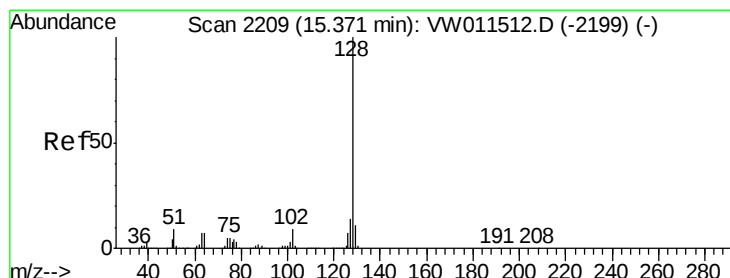
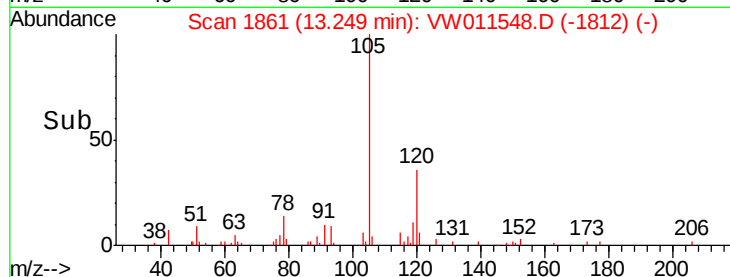
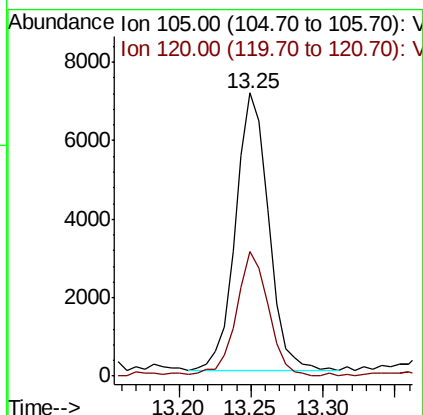
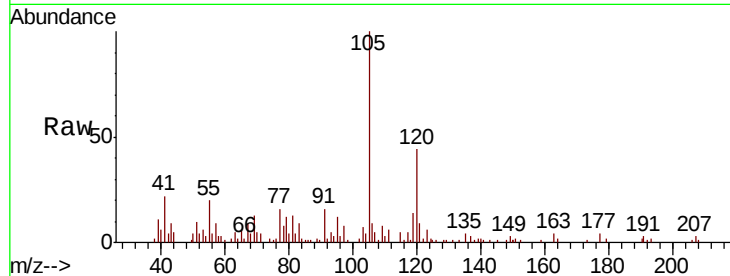




#84
 1,2,4-Trimethylbenzene
 Concen: 1.714 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011548.D
 Acq: 27 Jul 2019 06:03

Instrument :
 MSVOA_W
 ClientSampled :
 TP-8

Tot Ion:105 Resp: 11382
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.1 66.5



#95
 Naphthalene
 Concen: 2.433 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: VW011548.D
 Acq: 27 Jul 2019 06:03

Tgt Ion:128 Resp: 1594
 Ion Ratio Lower Upper
 128 100
 127 28.8 10.6 16.0#
 129 13.2 8.6 13.0#

