

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
 Data File : VW011835.D
 Acq On : 10 Aug 2019 02:00
 Operator : SY/VA
 Sample : K4277-09
 Misc : 6.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-22

Quant Time: Aug 11 01:31:42 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	201480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	335588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	281162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113967	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	135221	58.45	ug/l	0.00
Spiked Amount			Recovery	=	116.90%	
35) Dibromofluoromethane	7.88	113	103597	55.03	ug/l	0.00
Spiked Amount			Recovery	=	110.06%	
50) Toluene-d8	10.32	98	411484	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
62) 4-Bromofluorobenzene	12.62	95	130012	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	

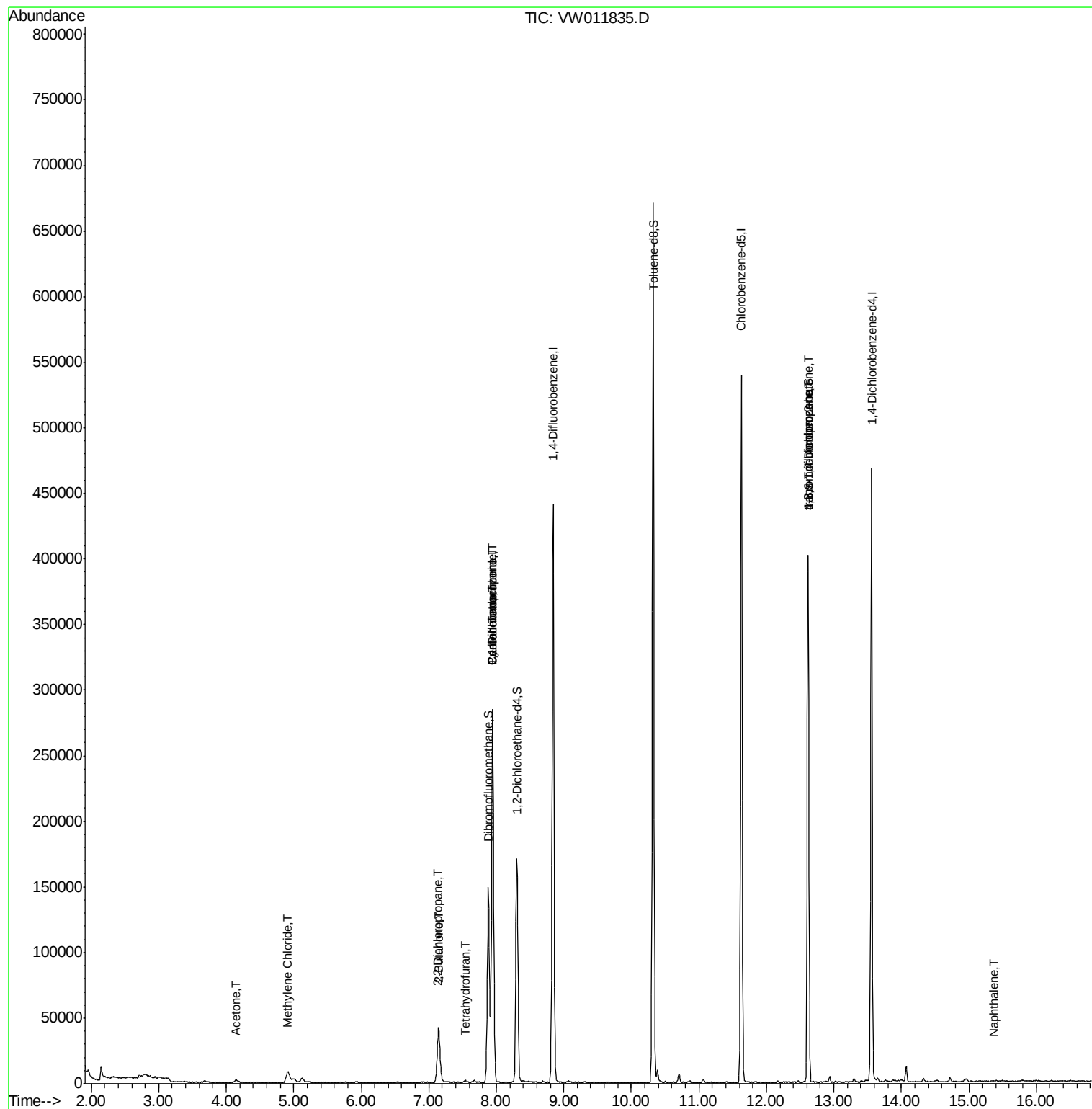
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	907	Below Cal	#	78
16) Acetone	4.15	43	3447	4.684	ug/l	93
20) Methylene Chloride	4.90	84	6558	2.584	ug/l #	81
25) 2-Butanone	7.15	43	2662	2.764	ug/l #	80
26) 2,2-Dichloropropane	7.13	77	2963	1.069	ug/l #	54
29) Tetrahydrofuran	7.54	42	1334	2.423	ug/l #	87
31) Cyclohexane	7.95	56	5256	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17936	5.140	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20585	6.891	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	71068	58.933	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71068	135.821	ug/l #	6
95) Naphthalene	15.37	128	358	2.142	ug/l #	82

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

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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: VW011835.D

Acq: 10 Aug 2019 02:00

Instrument :

MSVOA_W

ClientSampled :

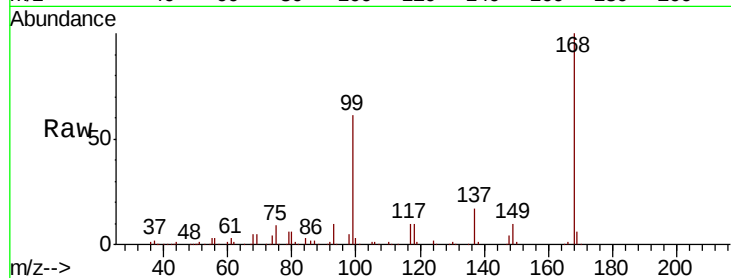
TP-22

Tgt Ion: 168 Resp: 201480

Ion Ratio Lower Upper

168 100

99 61.1 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

80000

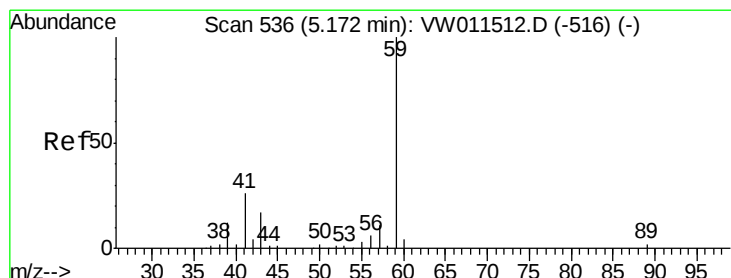
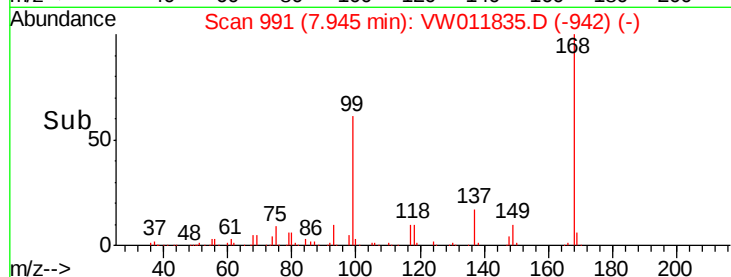
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. 0.03 min

Lab File: VW011835.D

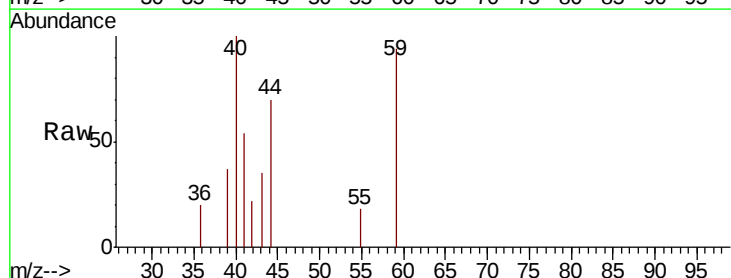
Acq: 10 Aug 2019 02:00

Tgt Ion: 59 Resp: 907

Ion Ratio Lower Upper

59 100

57 2.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

500

400

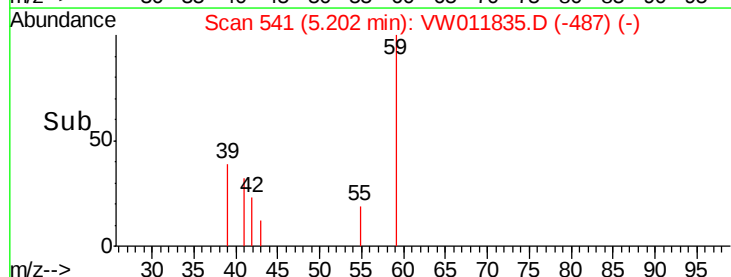
300

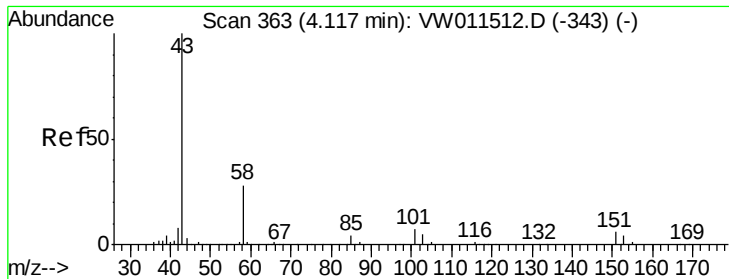
200

100

0

Time--> 5.15 5.20 5.25 5.30





#16

Acetone

Concen: 4.684 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW011835.D

Acq: 10 Aug 2019 02:00

Instrument :

MSVOA_W

ClientSampled :

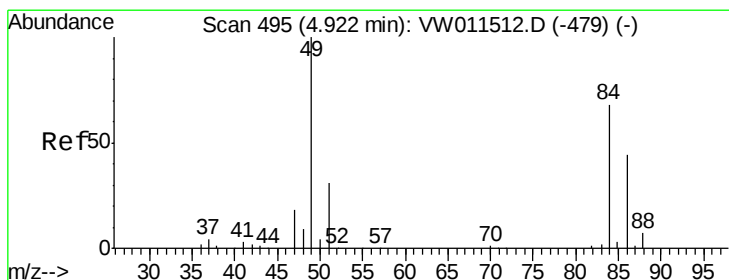
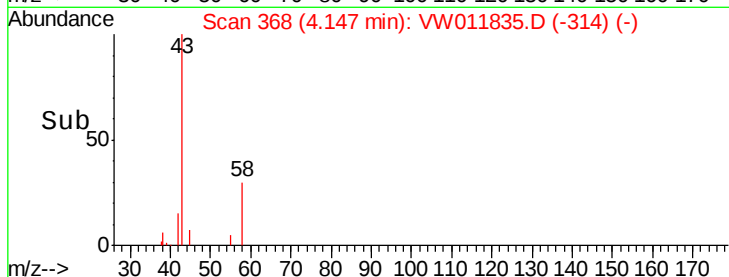
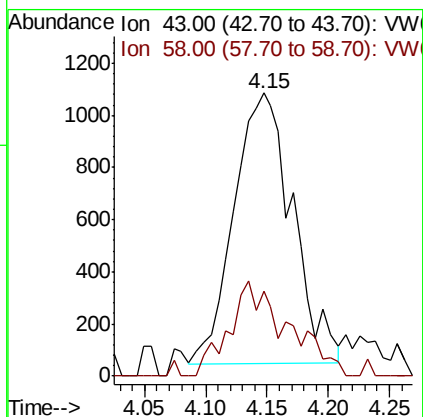
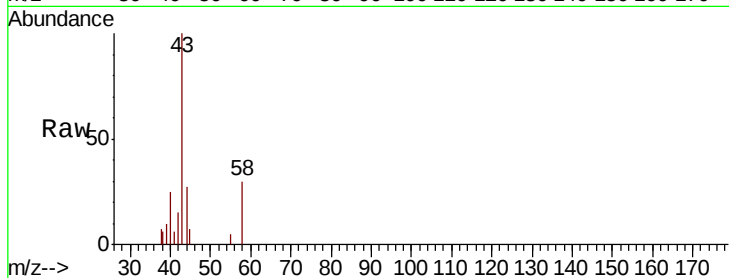
TP-22

Tgt Ion: 43 Resp: 3447

Ion Ratio Lower Upper

43 100

58 31.6 22.3 33.5



#20

Methylene Chloride

Concen: 2.584 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW011835.D

Acq: 10 Aug 2019 02:00

Tgt Ion: 84 Resp: 6558

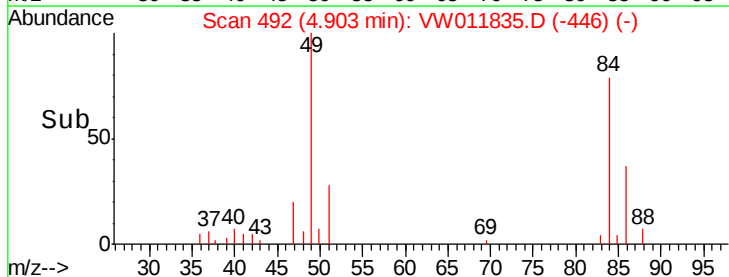
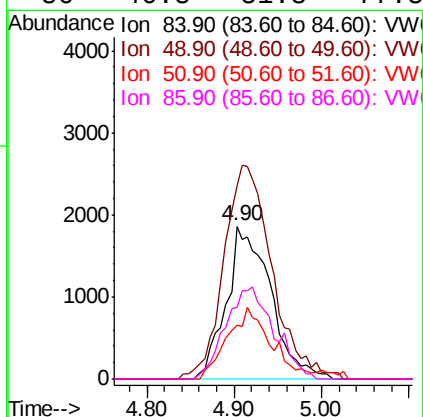
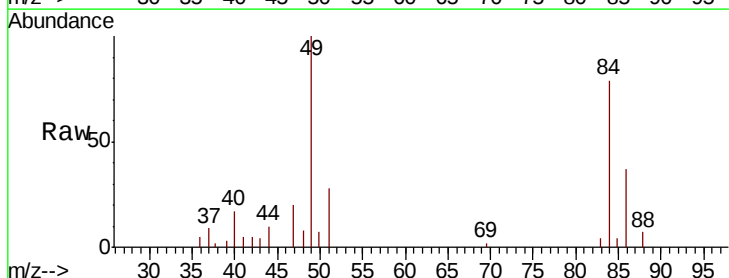
Ion Ratio Lower Upper

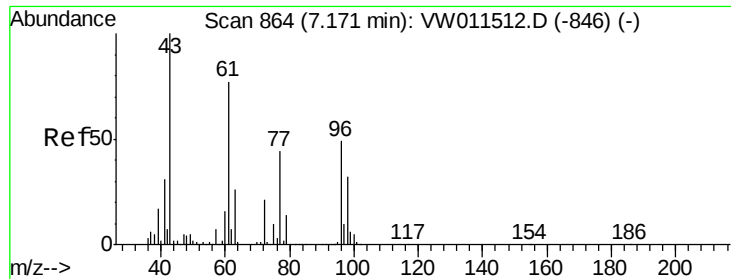
84 100

49 124.0 117.8 176.6

51 35.2 37.0 55.4#

86 46.8 51.8 77.8#

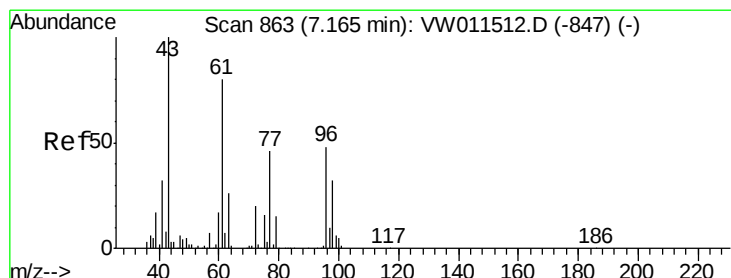
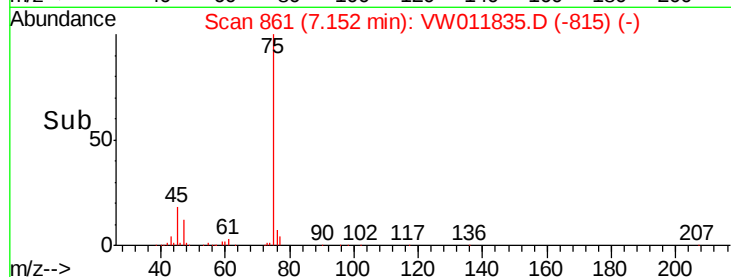
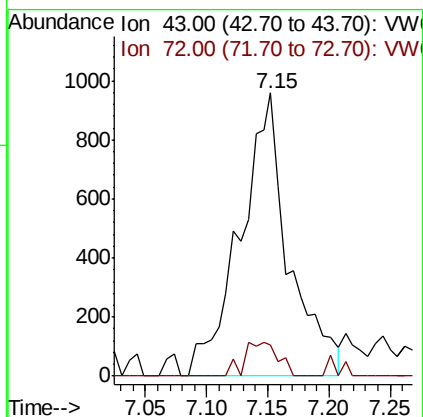
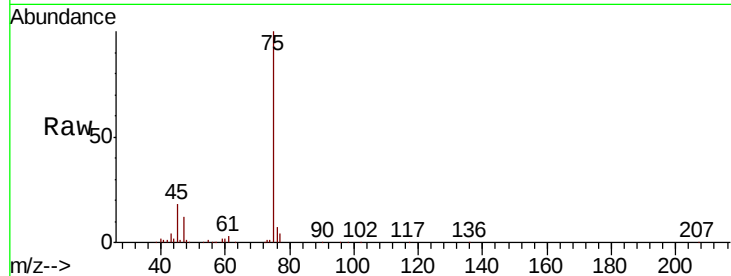




#25
 2-Butanone
 Concen: 2.764 ug/l
 RT: 7.15 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: VW011835.D
 Acq: 10 Aug 2019 02:00

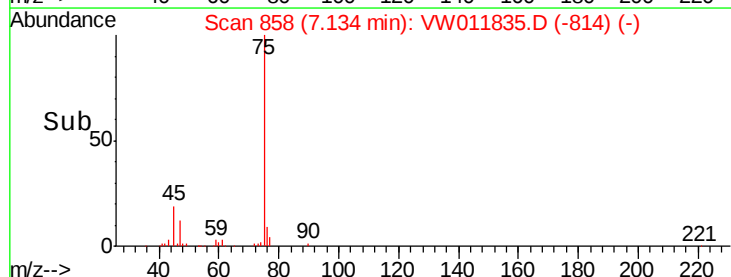
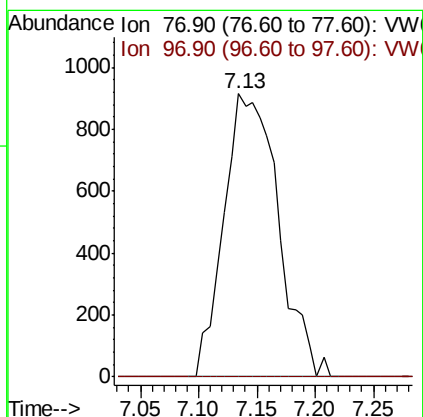
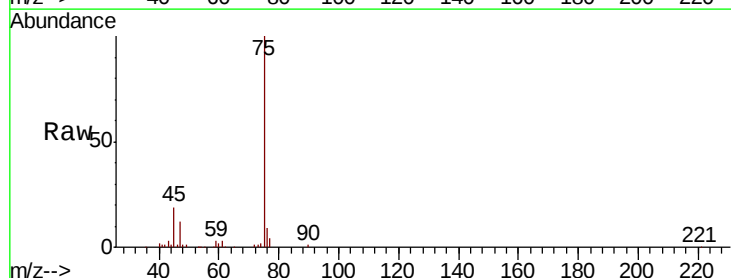
Instrument :
 MSVOA_W
 ClientSampled :
 TP-22

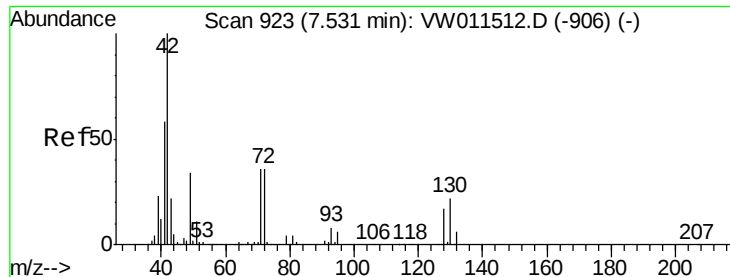
Tgt Ion: 43 Resp: 2662
 Ion Ratio Lower Upper
 43 100
 72 11.2 16.6 24.8#



#26
 2,2-Dichloropropane
 Concen: 1.069 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: VW011835.D
 Acq: 10 Aug 2019 02:00

Tgt Ion: 77 Resp: 2963
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.8 32.4#





#29

Tetrahydrofuran

Concen: 2.423 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW011835.D

Acq: 10 Aug 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

TP-22

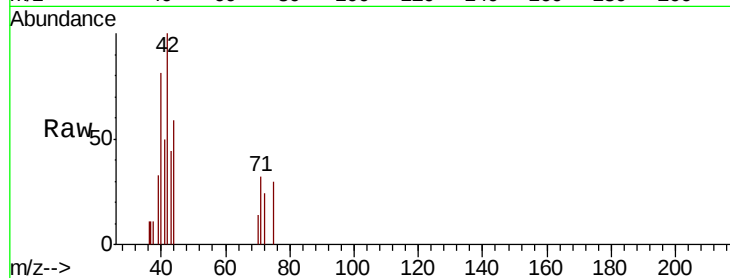
Tgt Ion: 42 Resp: 1334

Ion Ratio Lower Upper

42 100

72 23.5 27.1 40.7#

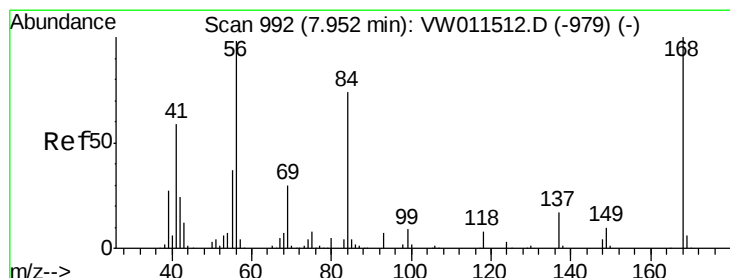
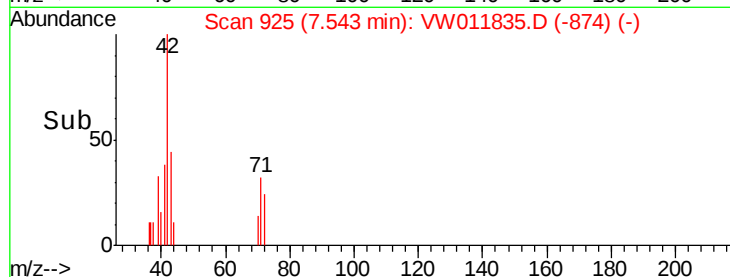
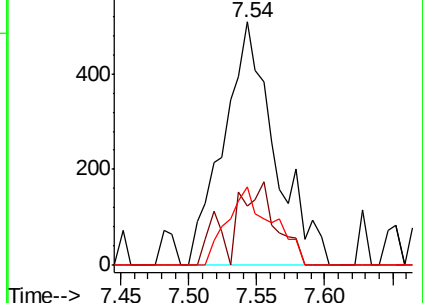
71 28.3 26.2 39.4



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: 1.215 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011835.D

Acq: 10 Aug 2019 02:00

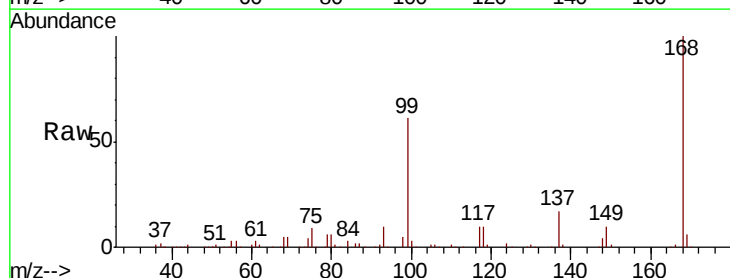
Tgt Ion: 56 Resp: 5256

Ion Ratio Lower Upper

56 100

69 160.0 24.3 36.5#

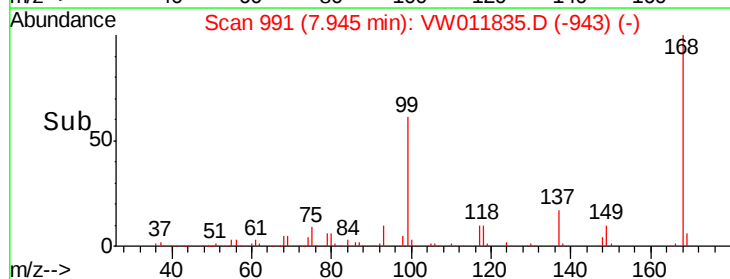
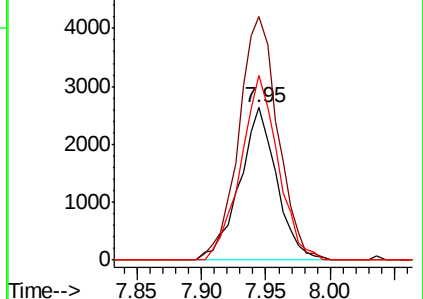
84 121.8 60.4 90.6#

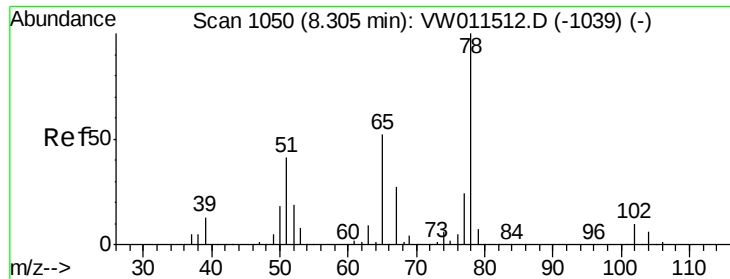


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

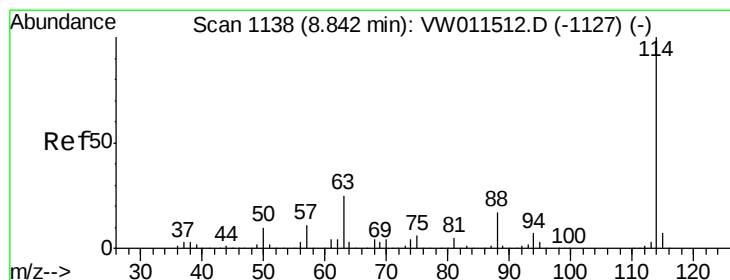
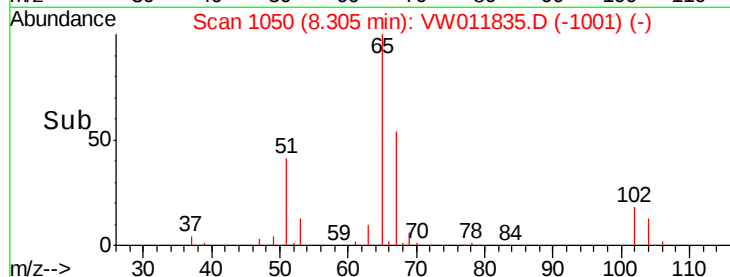
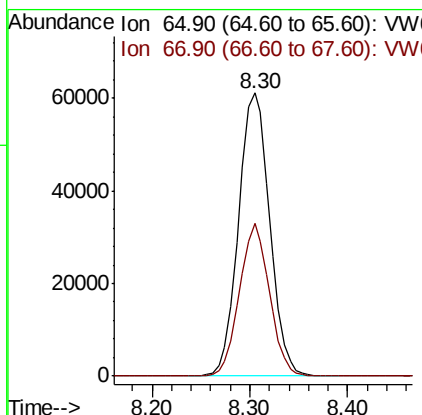
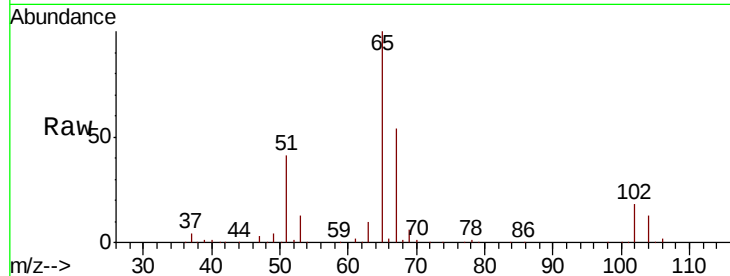




#33
 1,2-Dichloroethane-d4
 Concen: 58.447 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011835.D
 Acq: 10 Aug 2019 02:00

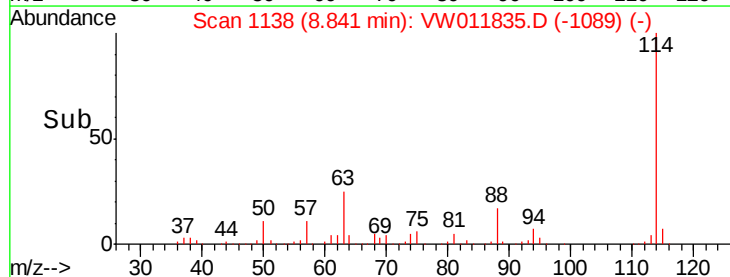
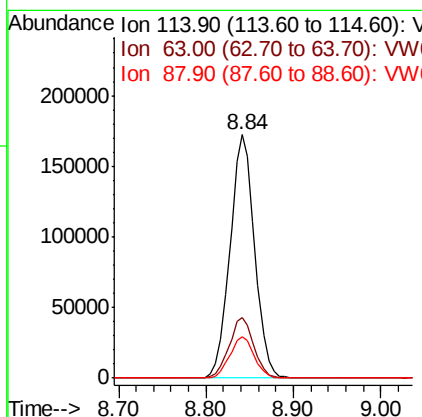
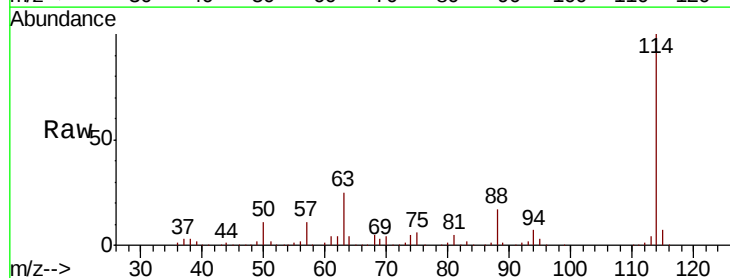
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-22

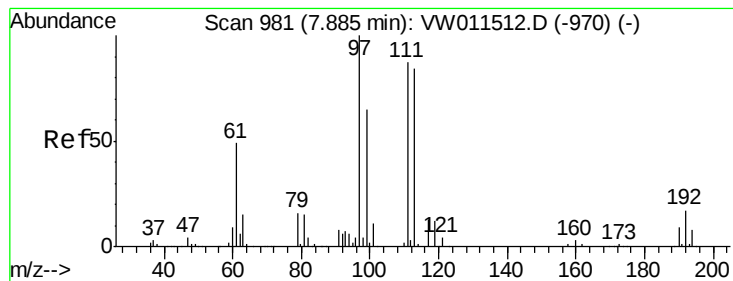
Tgt Ion: 65 Resp: 135221
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011835.D
 Acq: 10 Aug 2019 02:00

Tgt Ion: 114 Resp: 335588
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.026 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011835.D

Acq: 10 Aug 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

TP-22

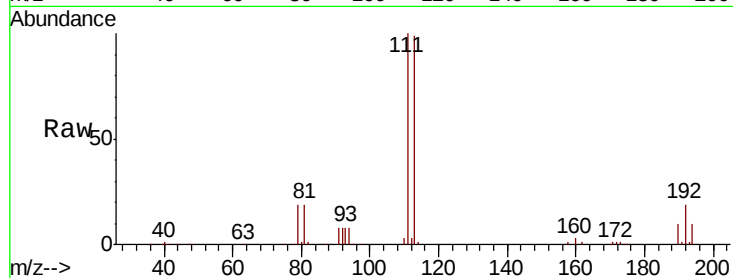
Tgt Ion:113 Resp: 103597

Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

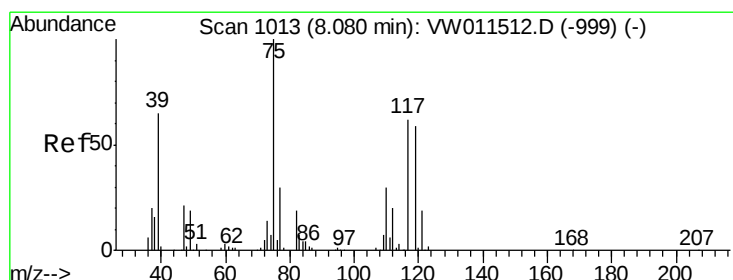
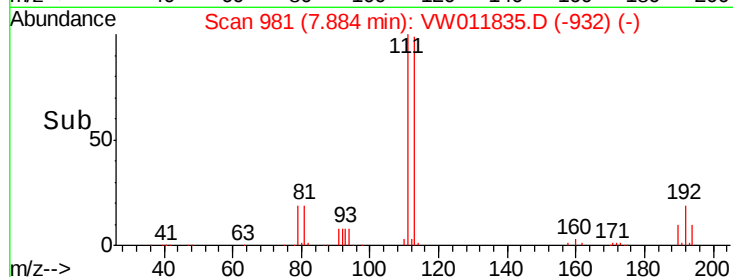
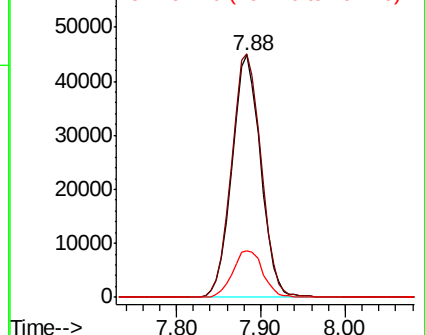
192 20.1 16.1 24.1



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: 5.140 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011835.D

Acq: 10 Aug 2019 02:00

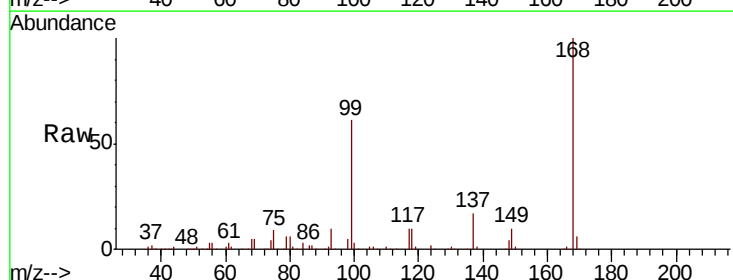
Tgt Ion: 75 Resp: 17936

Ion Ratio Lower Upper

75 100

110 8.7 15.6 46.8#

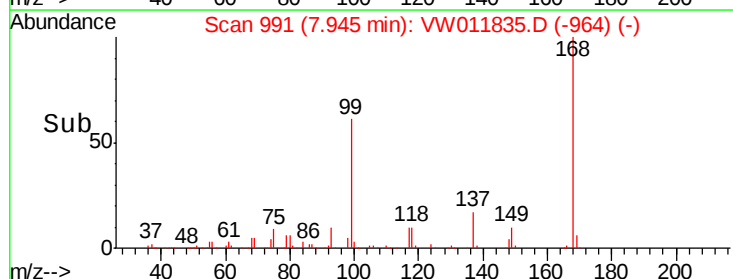
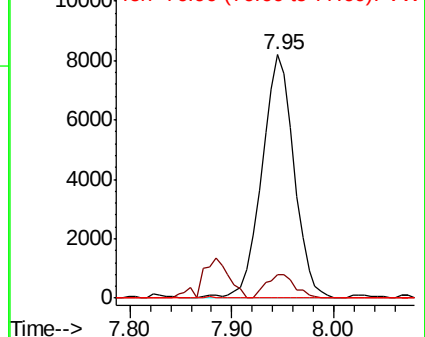
77 0.0 24.3 36.5#

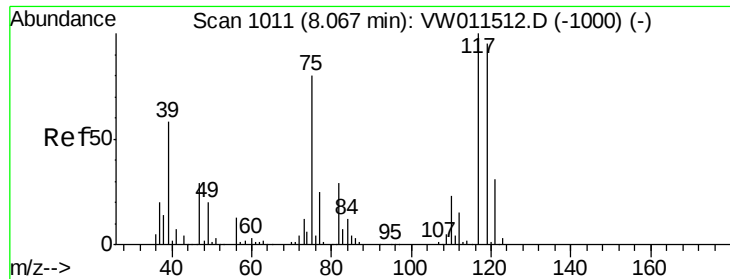


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.891 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011835.D

Acq: 10 Aug 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

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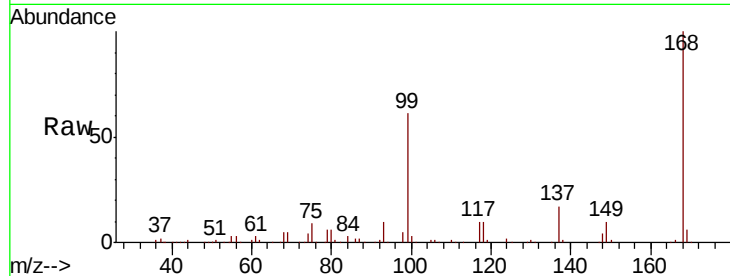
Tgt Ion:117 Resp: 20585

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.6#

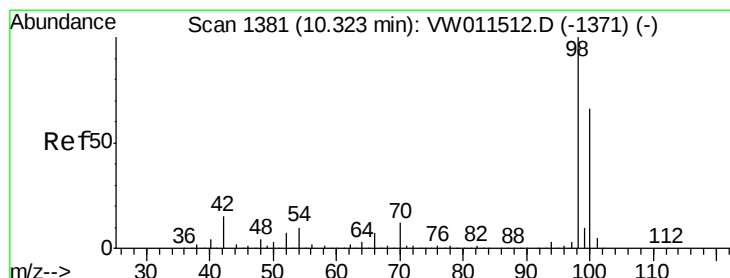
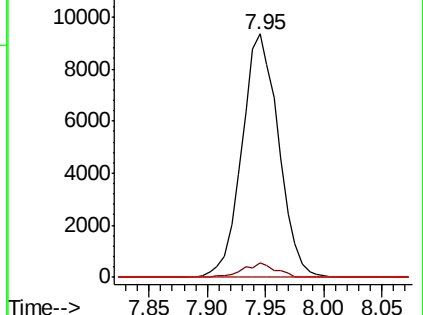
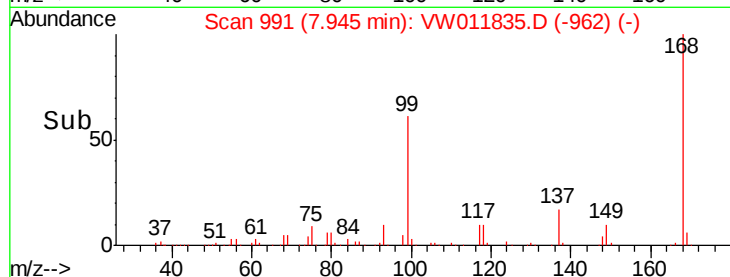
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 53.382 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011835.D

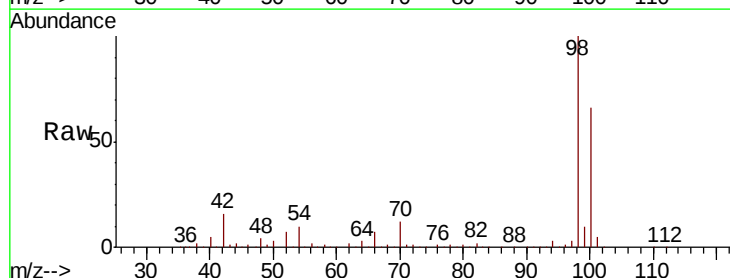
Acq: 10 Aug 2019 02:00

Tgt Ion: 98 Resp: 411484

Ion Ratio Lower Upper

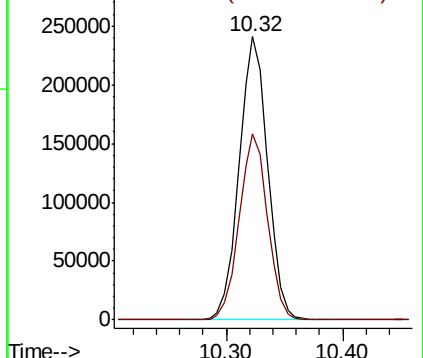
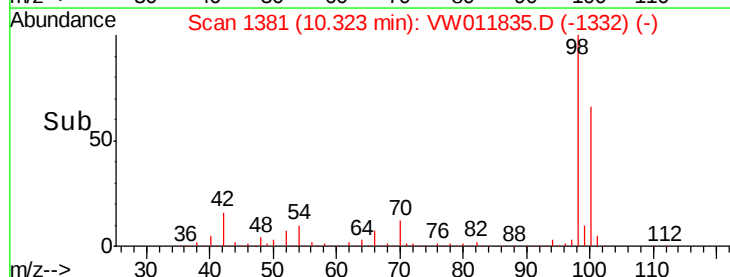
98 100

100 65.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

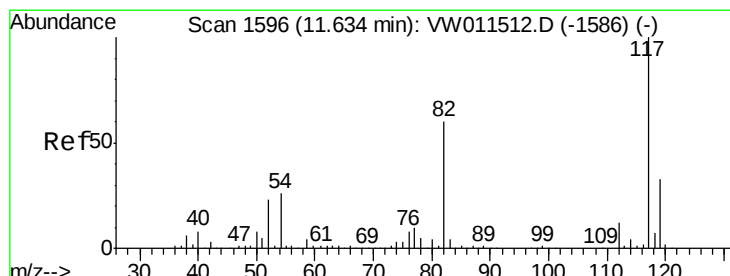
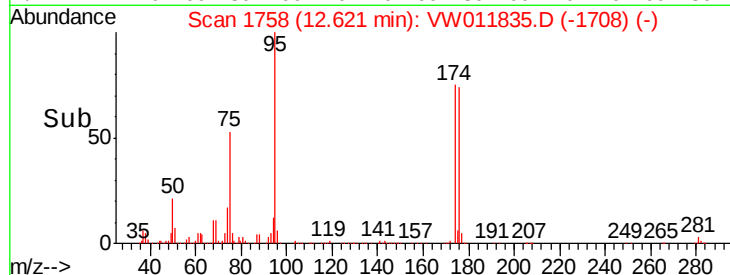
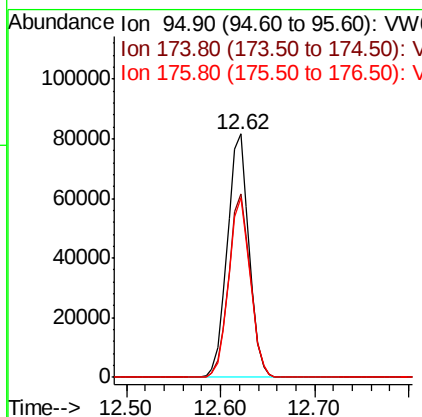
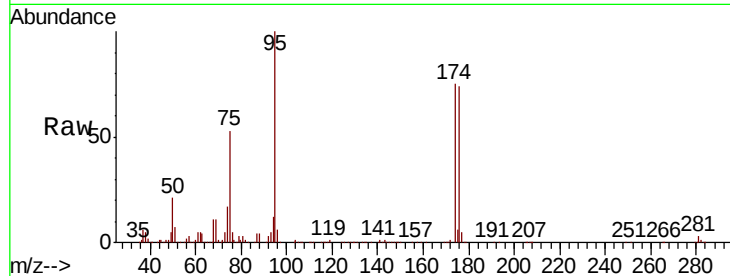




#62
4-Bromofluorobenzene
Concen: 47.308 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011835.D
Acq: 10 Aug 2019 02:00

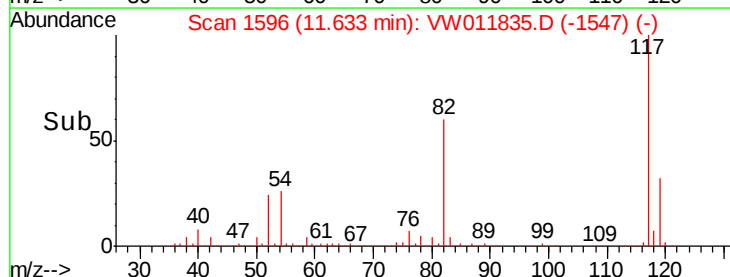
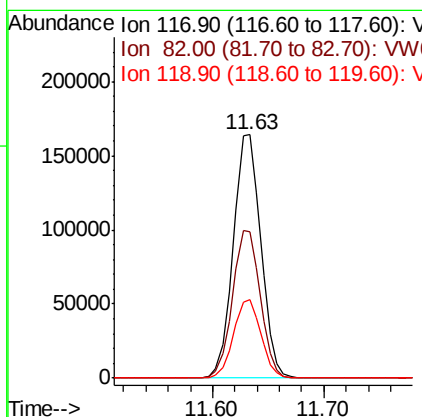
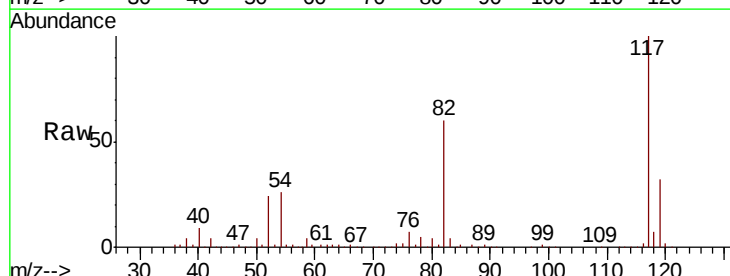
Instrument :
MSVOA_W
ClientSampleId :
TP-22

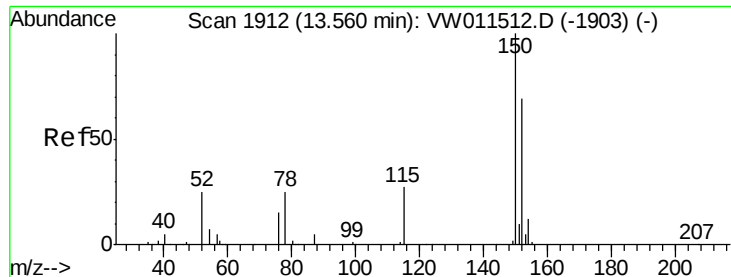
Tgt Ion: 95 Resp: 130012
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.2
176 73.4 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011835.D
Acq: 10 Aug 2019 02:00

Tgt Ion: 117 Resp: 281162
Ion Ratio Lower Upper
117 100
82 60.0 47.9 71.9
119 32.3 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011835.D

Acq: 10 Aug 2019 02:00

Instrument :

MSVOA_W

ClientSampled :

TP-22

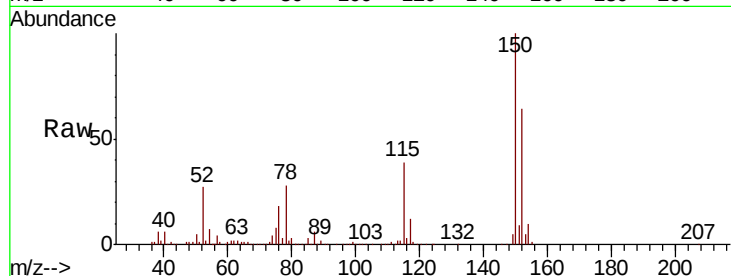
Tgt Ion:152 Resp: 113967

Ion Ratio Lower Upper

152 100

115 60.4 30.5 91.5

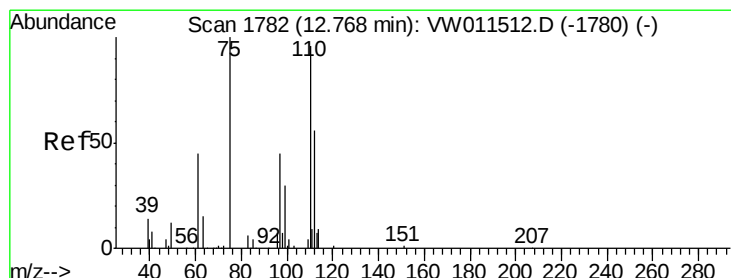
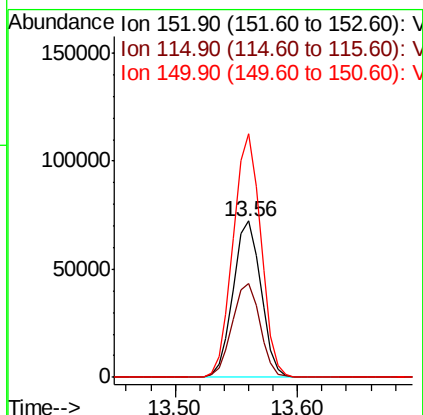
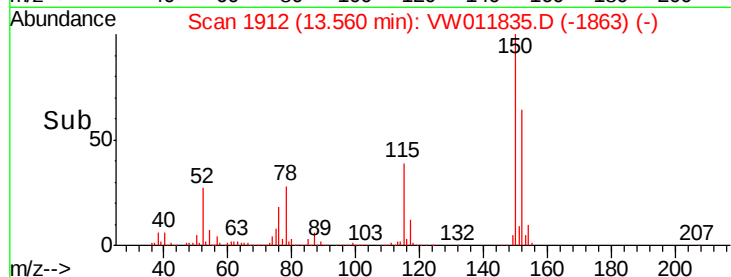
150 155.1 0.0 352.6



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: 58.933 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011835.D

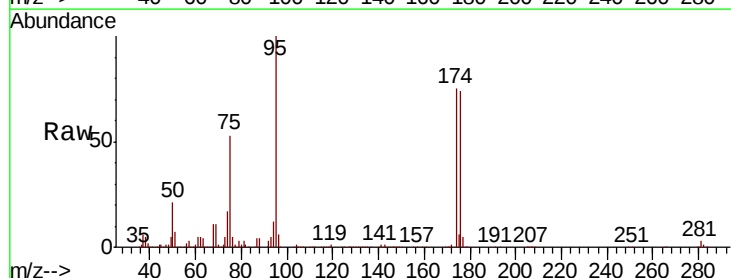
Acq: 10 Aug 2019 02:00

Tgt Ion: 75 Resp: 71068

Ion Ratio Lower Upper

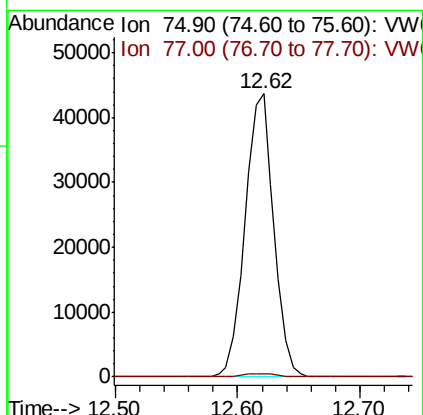
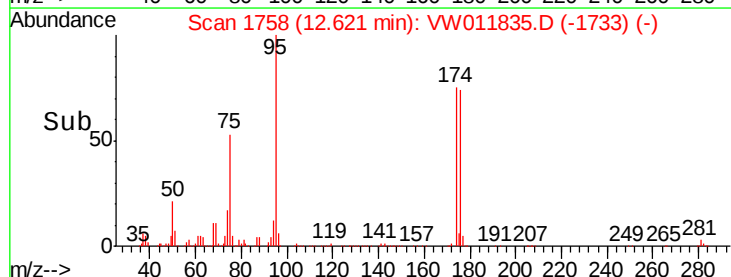
75 100

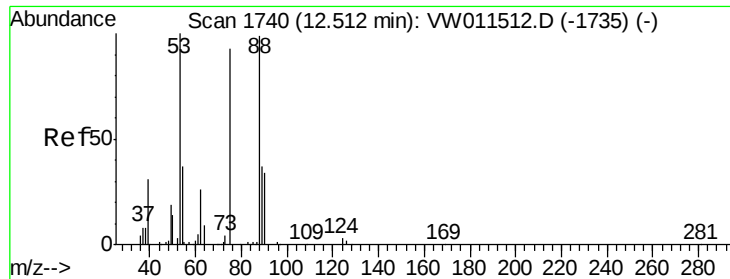
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

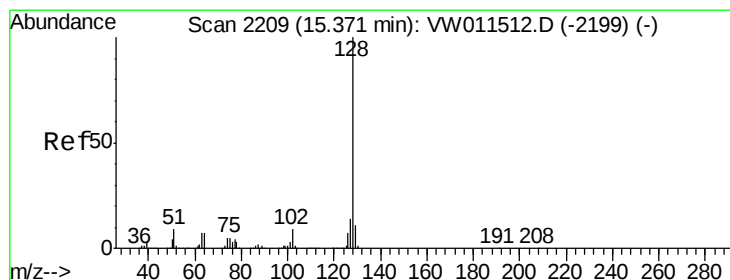
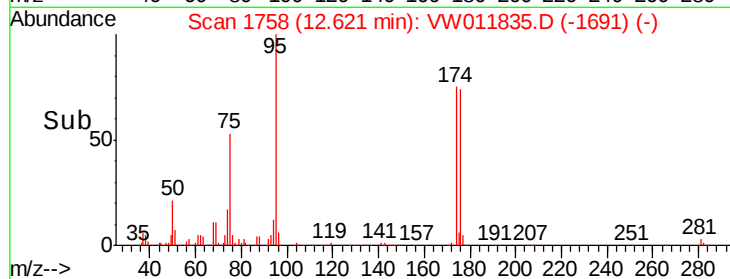
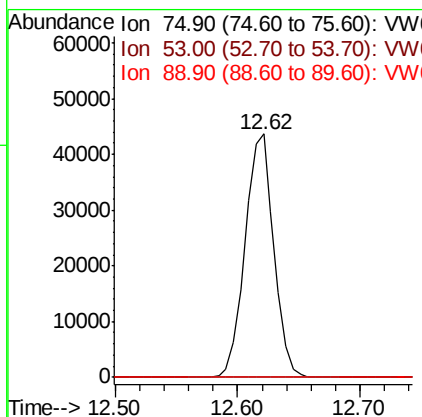
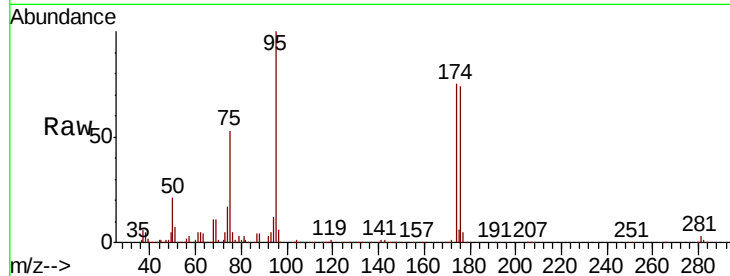




#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.821 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW011835.D
 Acq: 10 Aug 2019 02:00

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-22

Tgt Ion: 75 Resp: 71068
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.0 132.0#
 89 0.0 35.3 52.9#



#95
 Naphthalene
 Concen: 2.142 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW011835.D
 Acq: 10 Aug 2019 02:00

Tgt Ion: 128 Resp: 358
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.6 16.0
 129 26.0 8.6 13.0#

