

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011341.D
 Acq On : 18 Jul 2019 18:29
 Operator : SY/VA
 Sample : K3852-01
 Misc : 4.25G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:46:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	189067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	325693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114336	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136953	57.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.30%	
35) Dibromofluoromethane	7.88	113	103942	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
50) Toluene-d8	10.32	98	406273	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.62	95	130971	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	

Target Compounds

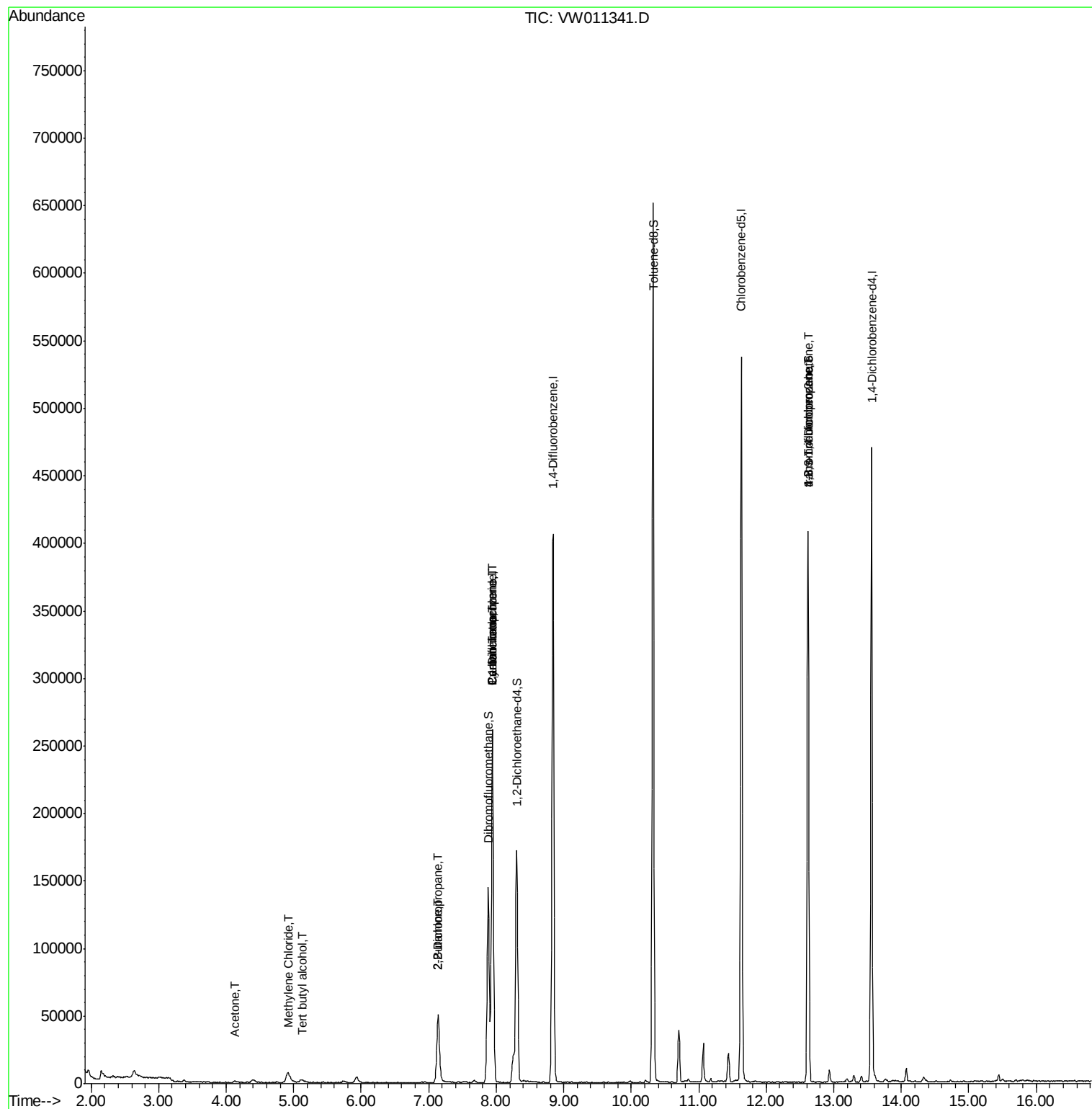
					Qvalue	
11) Tert butyl alcohol	5.12	59	2985	16.971	ug/l #	70
16) Acetone	4.12	43	1774	3.103	ug/l	92
18) Methyl Acetate	4.67	43	399	Below Cal	#	57
20) Methylene Chloride	4.92	84	6088	2.700	ug/l #	84
25) 2-Butanone	7.14	43	3434	3.827	ug/l #	73
26) 2,2-Dichloropropane	7.13	77	3546	1.577	ug/l #	53
31) Cyclohexane	7.94	56	4819	1.047	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16652	4.801	ug/l #	52
38) Carbon Tetrachloride	7.94	117	19251	6.548	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	70997	53.733	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70997	121.533	ug/l #	6

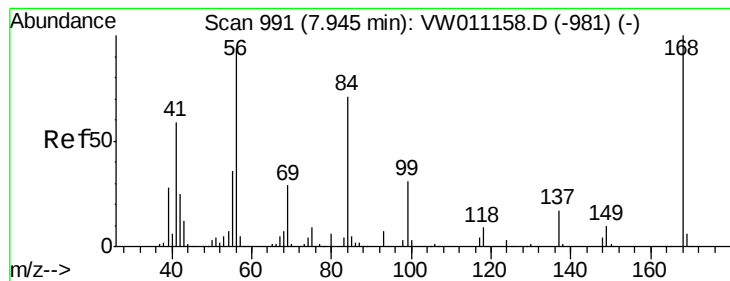
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 19 06:46:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011341.D

Acq: 18 Jul 2019 18:29

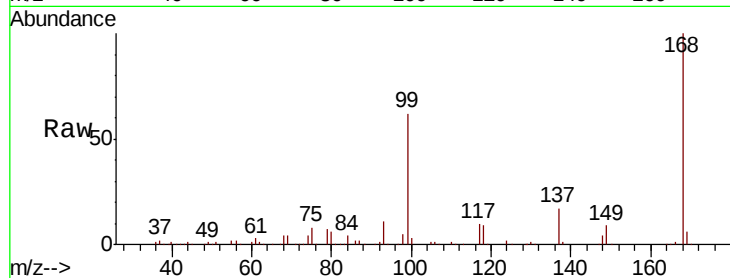
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 189067

Ion Ratio Lower Upper

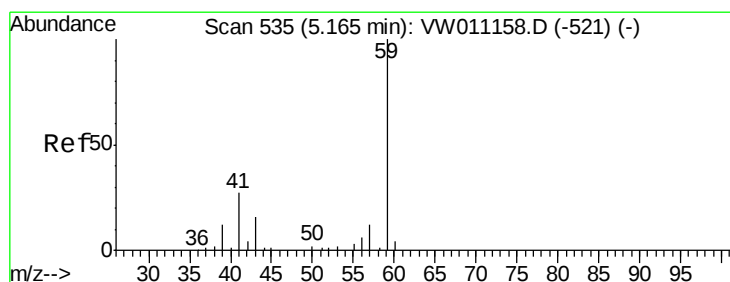
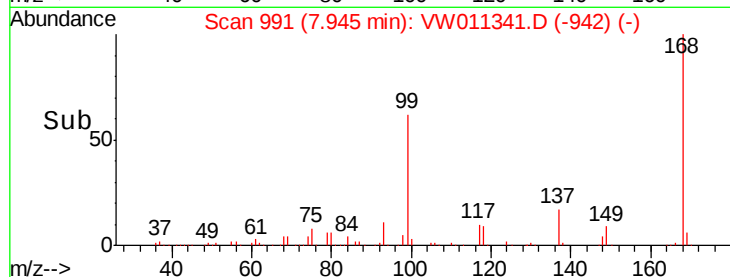
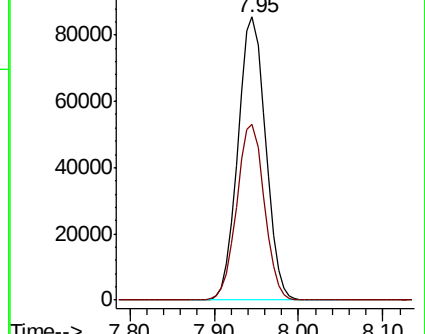
168 100

99 62.1 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 16.971 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011341.D

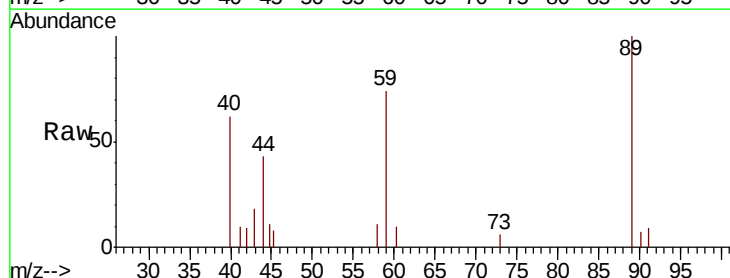
Acq: 18 Jul 2019 18:29

Tgt Ion: 59 Resp: 2985

Ion Ratio Lower Upper

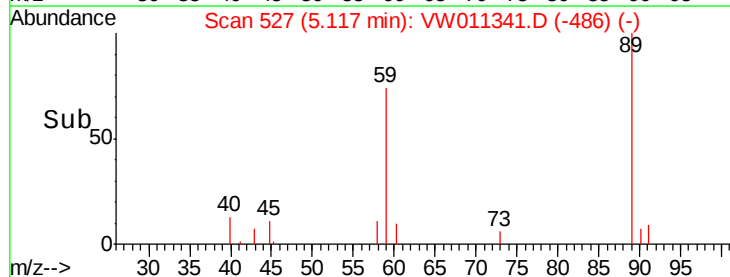
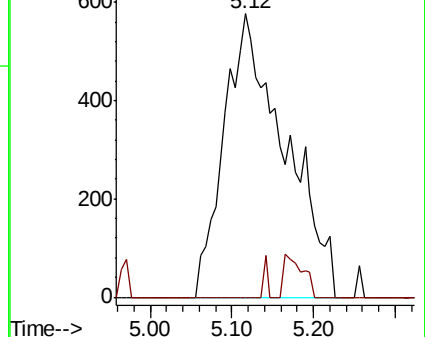
59 100

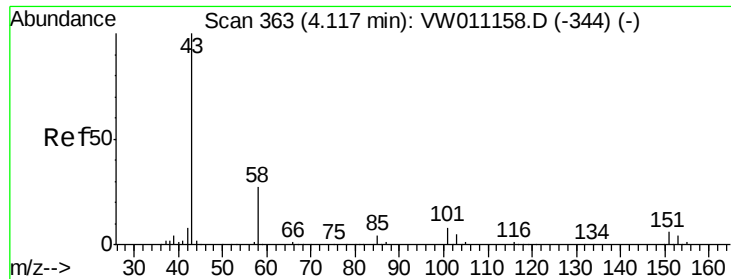
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.103 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011341.D

Acq: 18 Jul 2019 18:29

Instrument :

MSVOA_W

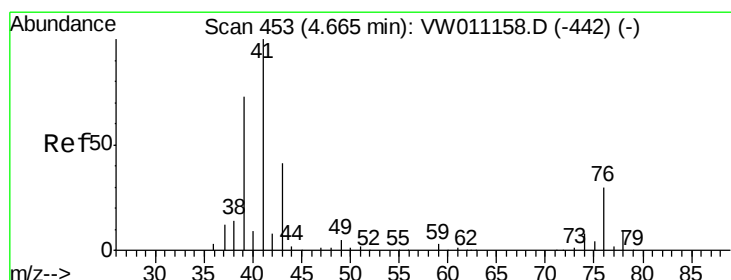
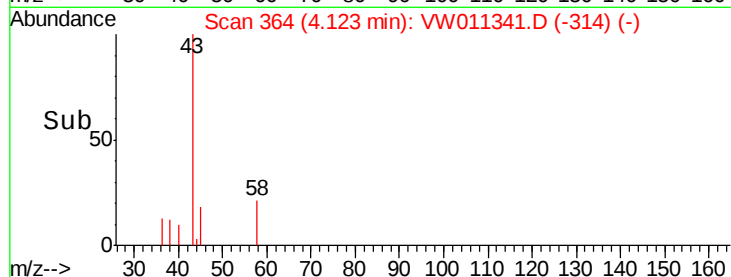
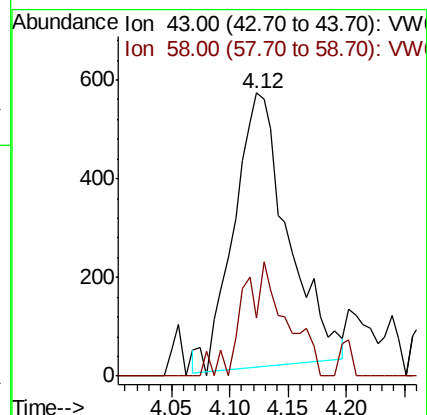
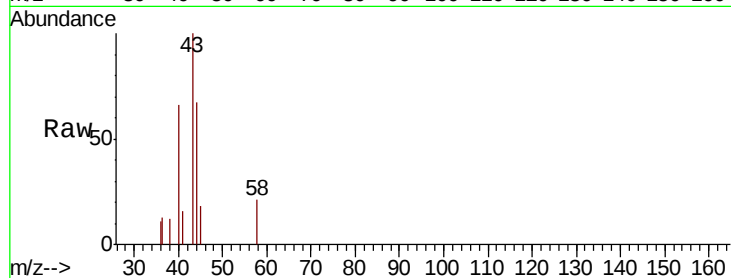
ClientSampleId :

Tot Ion: 43 Resp: 1774

Ion Ratio Lower Upper

43 100

58 22.9 21.8 32.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW011341.D

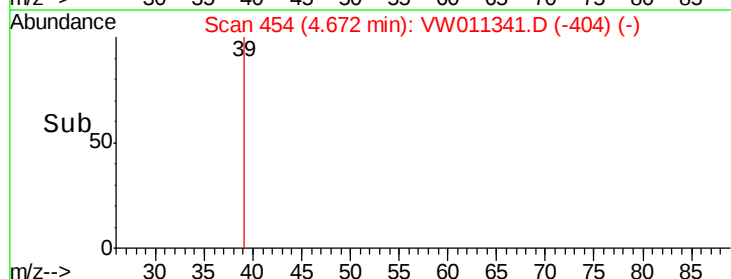
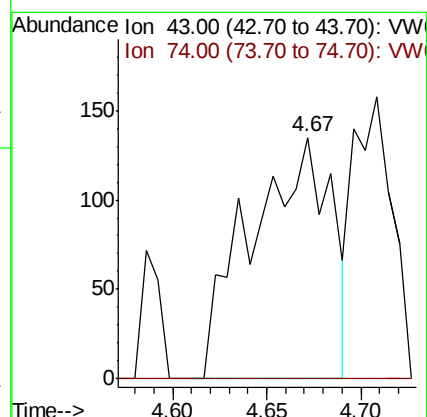
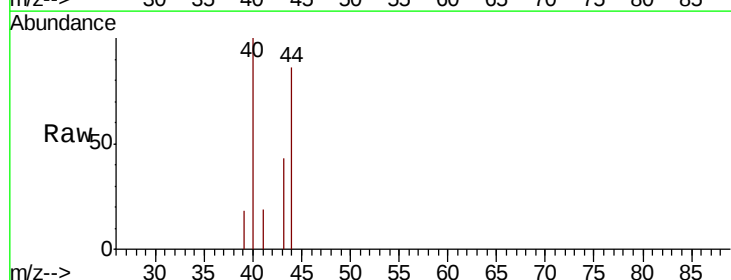
Acq: 18 Jul 2019 18:29

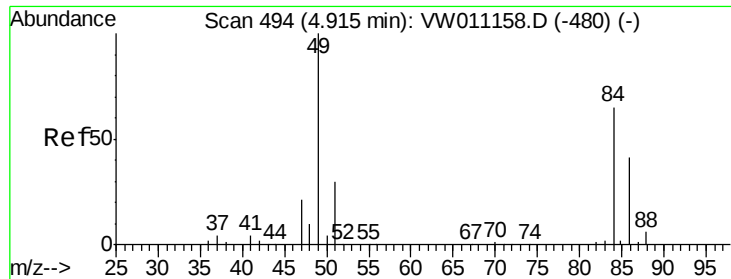
Tgt Ion: 43 Resp: 399

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

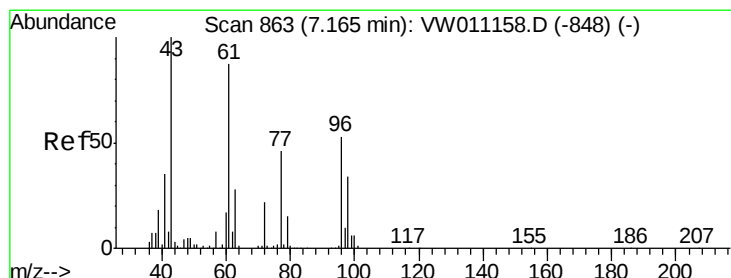
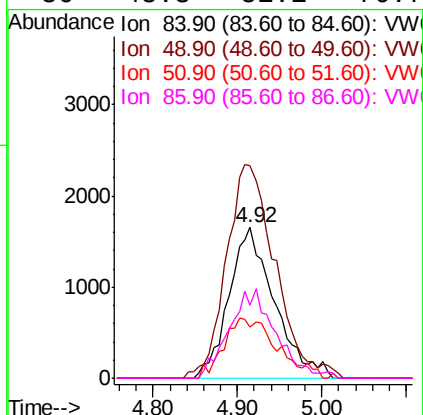
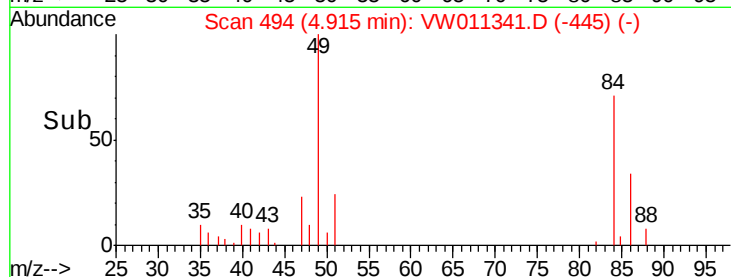
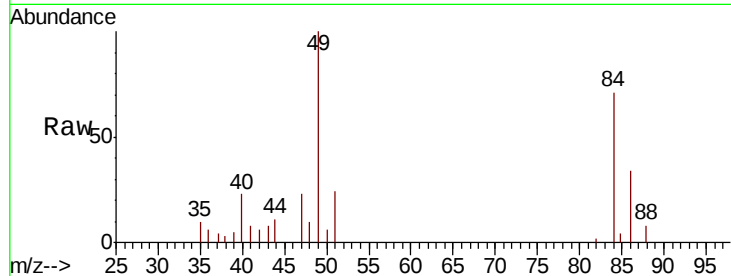




#20
Methvlene Chloride
Concen: 2.700 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011341.D
Acq: 18 Jul 2019 18:29

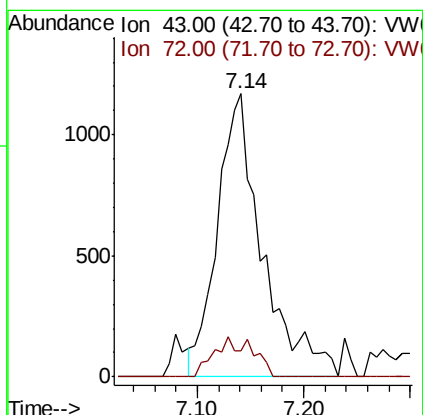
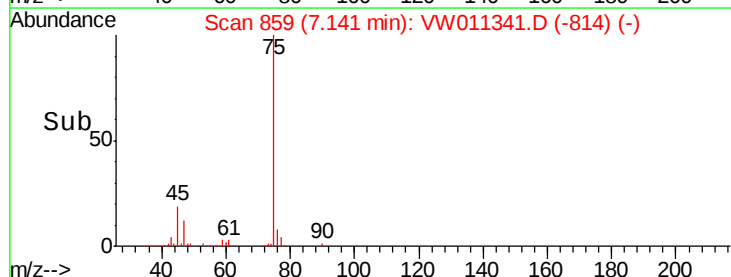
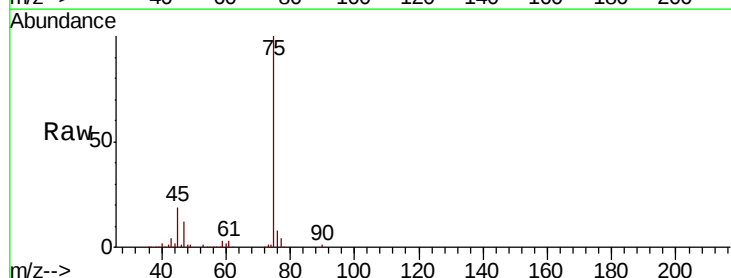
Instrument :
MSVOA_W
ClientSampled :

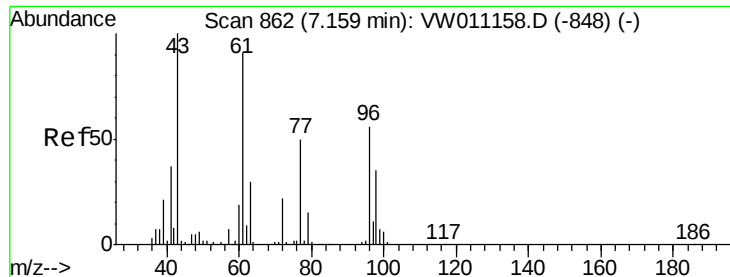
Tot Ion: 84 Resp: 6088
Ion Ratio Lower Upper
84 100
49 137.1 123.8 185.6
51 33.9 37.4 56.2#
86 48.3 51.1 76.7#



#25
2-Butanone
Concen: 3.827 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011341.D
Acq: 18 Jul 2019 18:29

Tgt Ion: 43 Resp: 3434
Ion Ratio Lower Upper
43 100
72 9.1 17.6 26.4#





#26

2,2-Dichloropropane

Concen: 1.577 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW011341.D

Acq: 18 Jul 2019 18:29

Instrument :

MSVOA_W

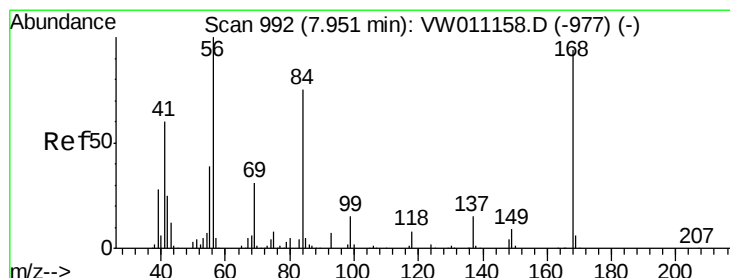
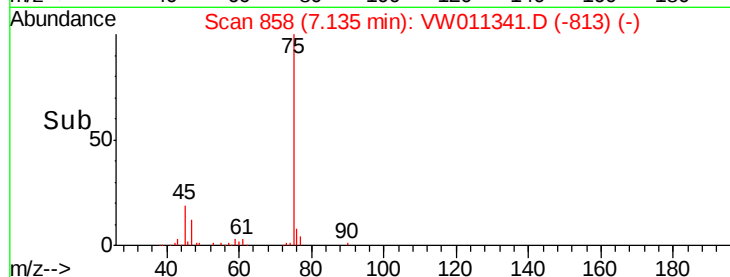
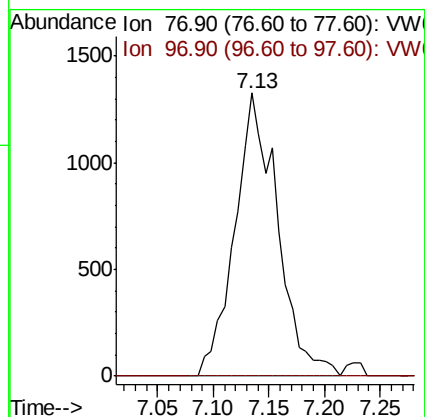
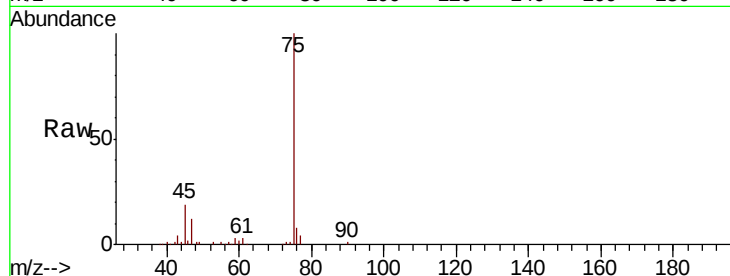
ClientSampleId :

Tot Ion: 77 Resp: 3546

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



#31

Cyclohexane

Concen: 1.047 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011341.D

Acq: 18 Jul 2019 18:29

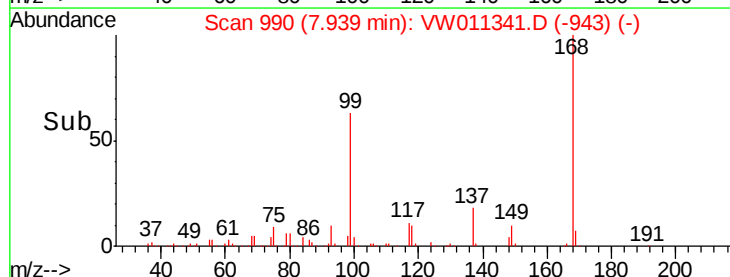
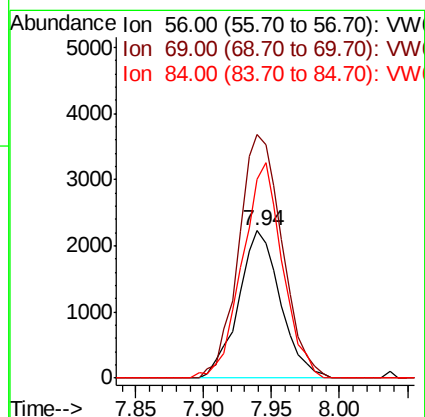
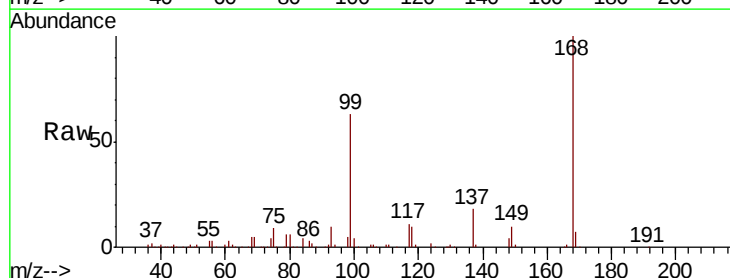
Tgt Ion: 56 Resp: 4819

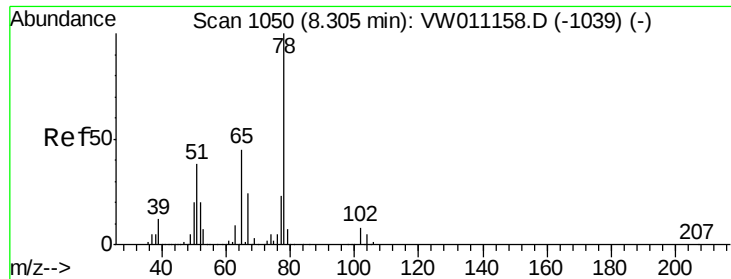
Ion Ratio Lower Upper

56 100

69 165.4 24.6 36.8#

84 134.8 60.1 90.1#

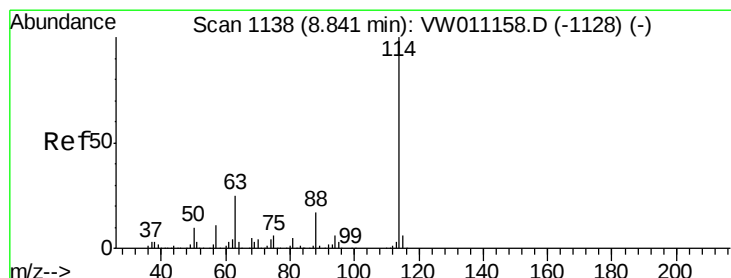
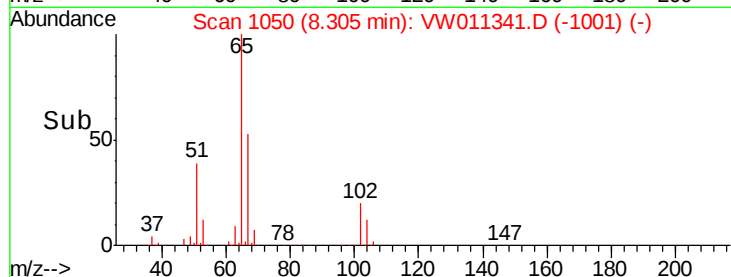
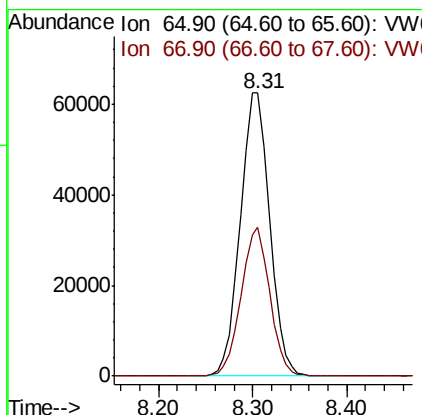
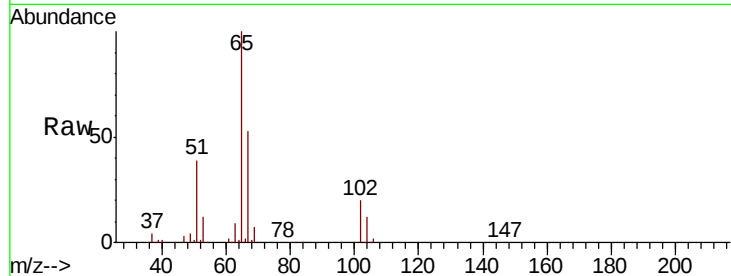




#33
 1,2-Dichloroethane-d4
 Concen: 57.648 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011341.D
 Acq: 18 Jul 2019 18:29

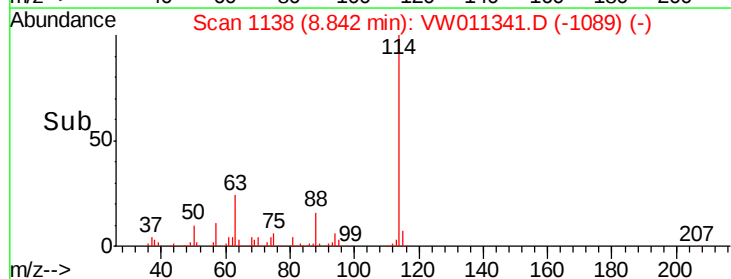
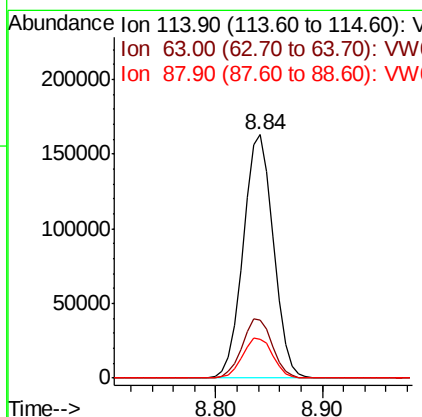
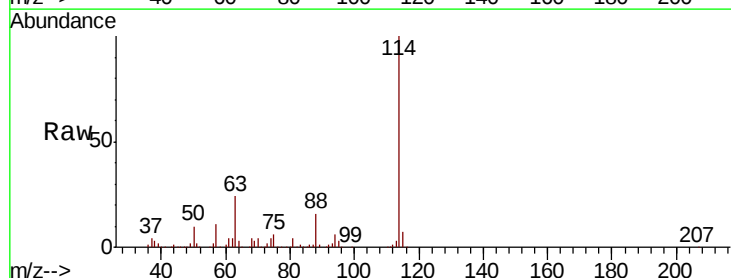
Instrument :
 MSVOA_W
 ClientSampleId :

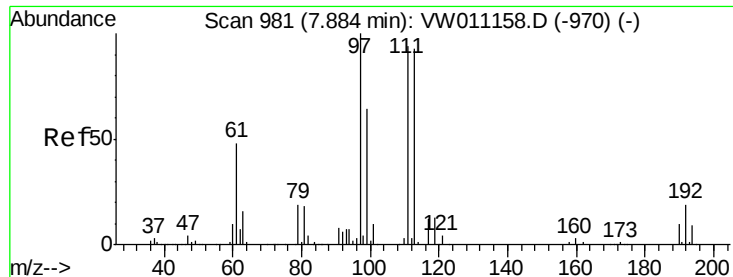
Tot Ion: 65 Resp: 136953
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011341.D
 Acq: 18 Jul 2019 18:29

Tgt Ion: 114 Resp: 325693
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 50.8
 88 15.7 0.0 34.2

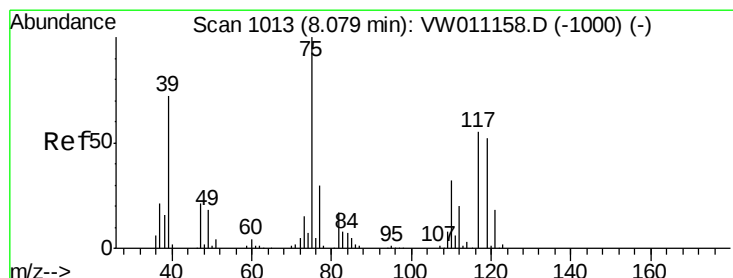
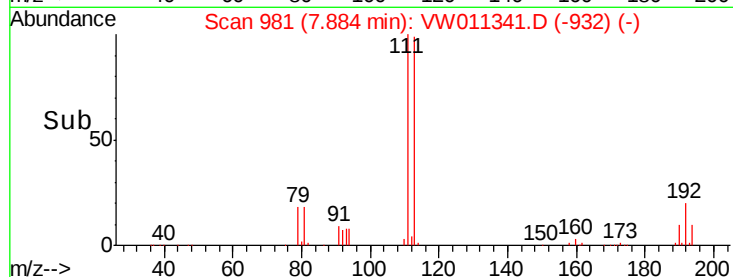
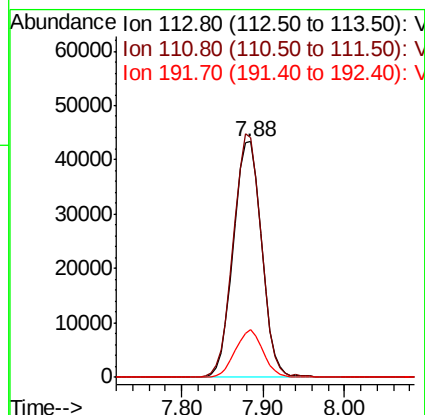
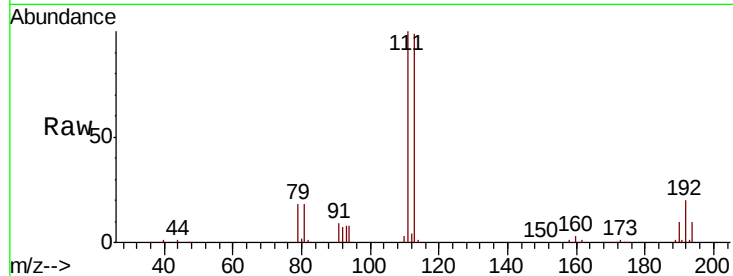




#35
 Dibromofluoromethane
 Concen: 53.543 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011341.D
 Acq: 18 Jul 2019 18:29

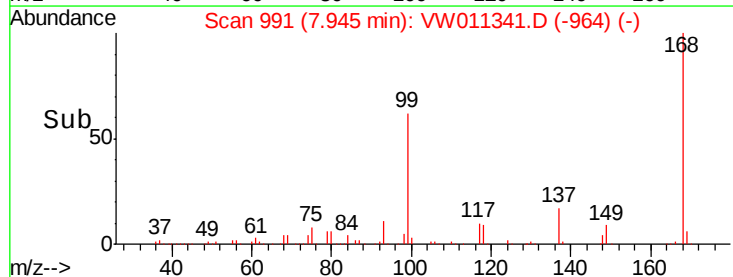
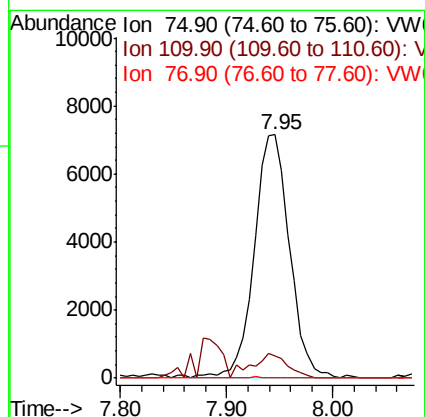
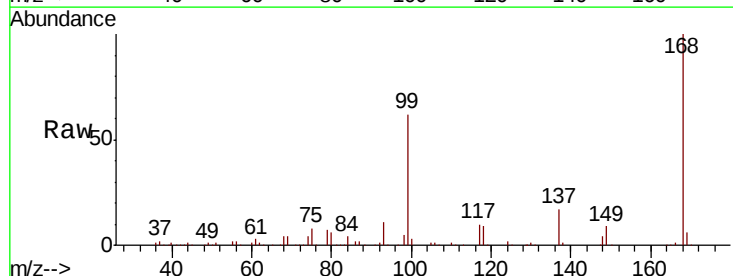
Instrument :
 MSVOA_W
 ClientSampled :

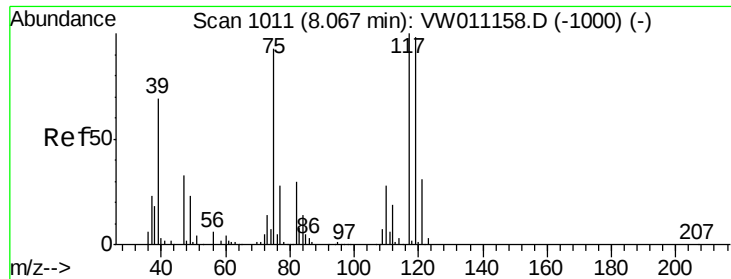
Tot Ion:113 Resp: 103942
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.4 123.6
 192 19.5 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.801 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011341.D
 Acq: 18 Jul 2019 18:29

Tgt Ion: 75 Resp: 16652
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.9 47.6#
 77 0.1 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.548 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW011341.D

Acq: 18 Jul 2019 18:29

Instrument :

MSVOA_W

ClientSampled :

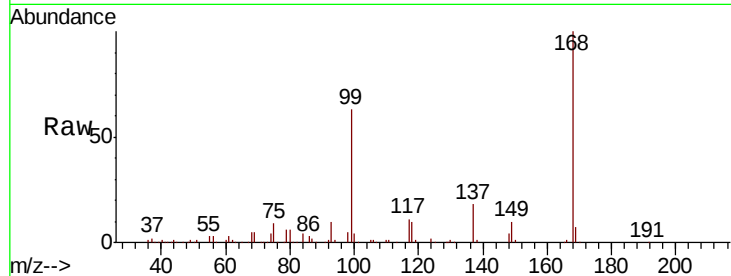
Tot Ion:117 Resp: 19251

Ion Ratio Lower Upper

117 100

119 6.1 78.1 117.1#

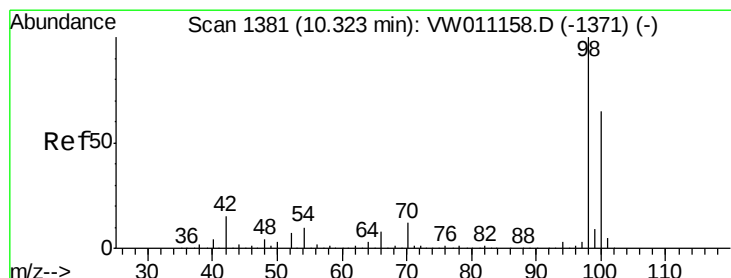
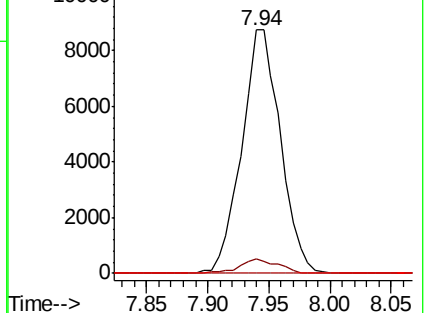
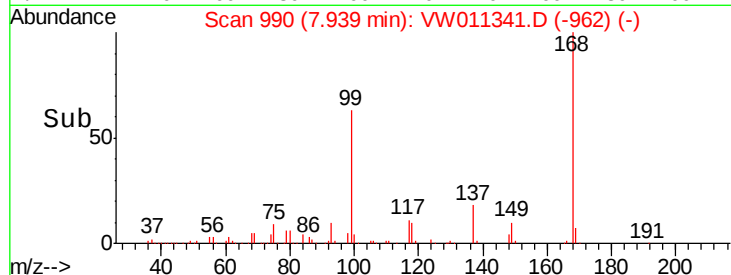
121 0.0 25.1 37.7#



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: 51.775 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011341.D

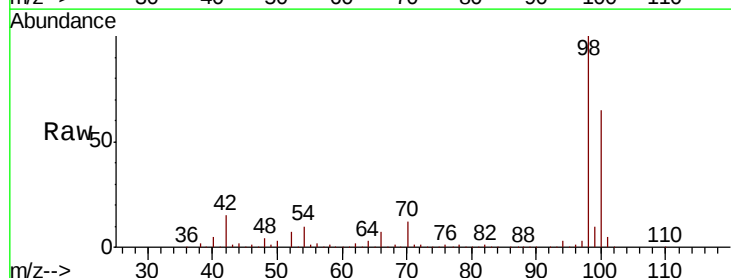
Acq: 18 Jul 2019 18:29

Tgt Ion: 98 Resp: 406273

Ion Ratio Lower Upper

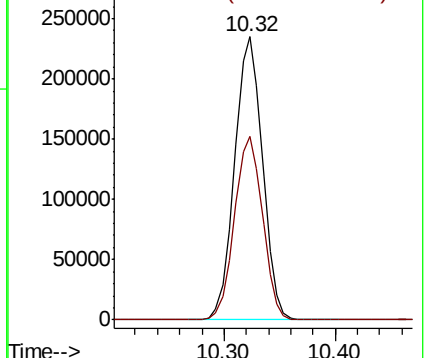
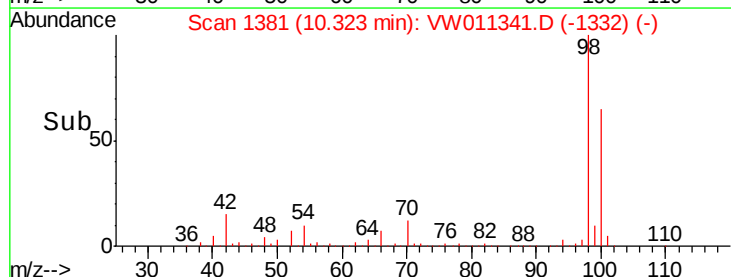
98 100

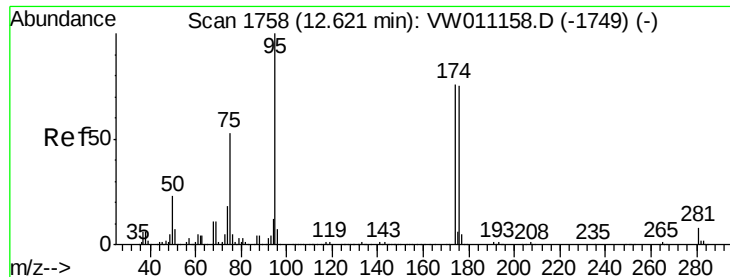
100 65.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

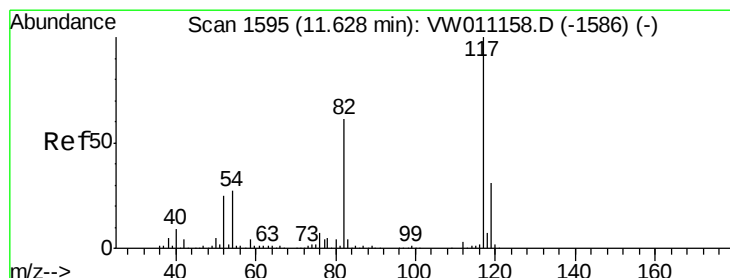
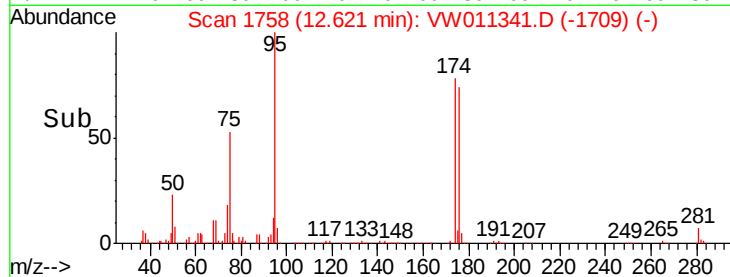
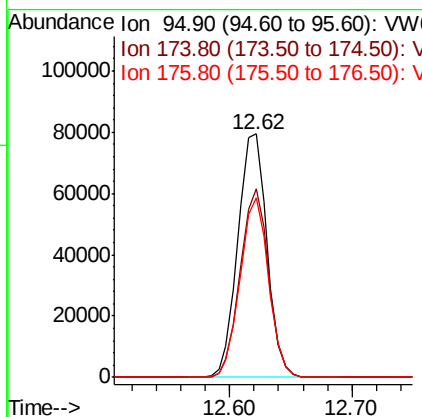
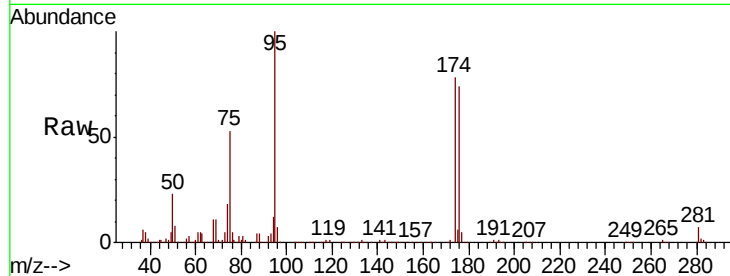




#62
4-Bromofluorobenzene
Concen: 45.537 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW011341.D
Acq: 18 Jul 2019 18:29

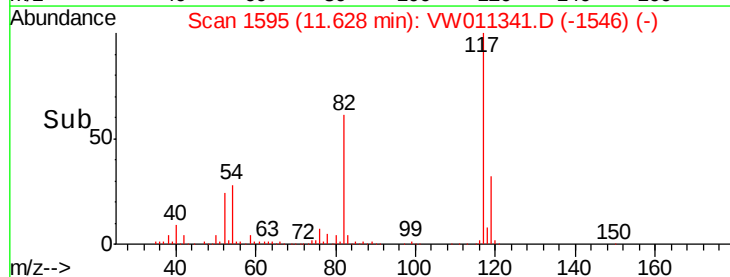
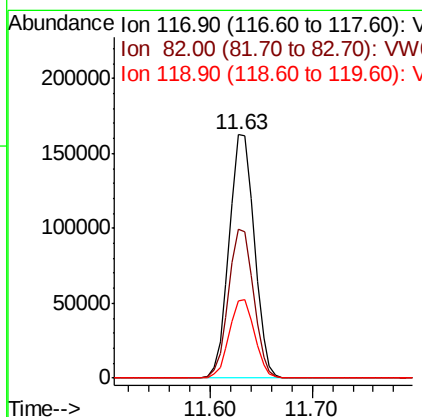
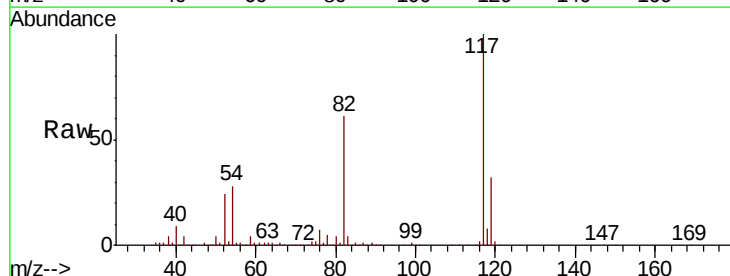
Instrument :
MSVOA_W
ClientSampleId :

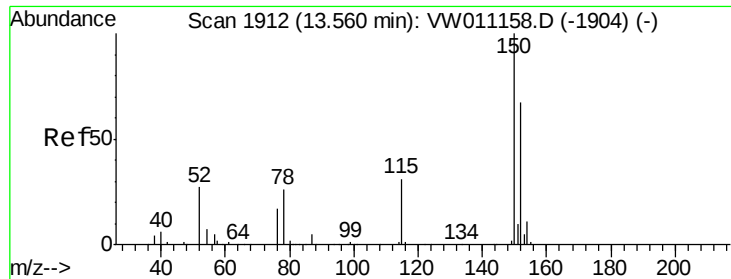
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	147.6
176	72.3	0.0	144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011341.D
Acq: 18 Jul 2019 18:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.3	48.9	73.3
119	31.6	25.0	37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011341.D

Acq: 18 Jul 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

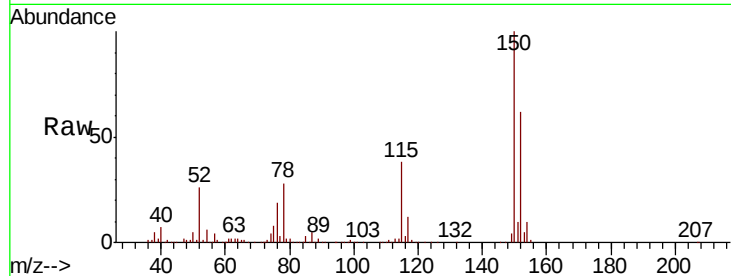
Tot Ion:152 Resp: 114336

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

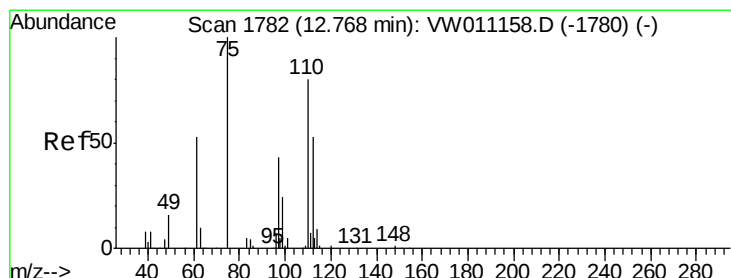
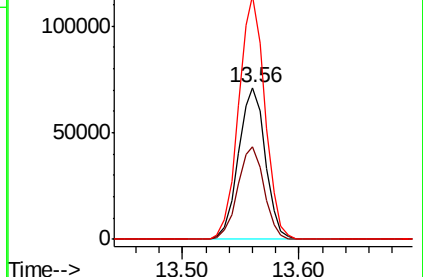
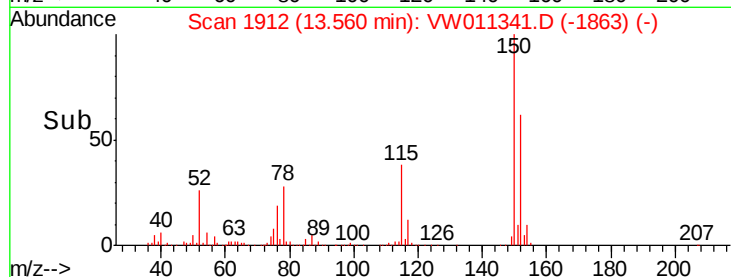
150 157.0 0.0 346.0



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: 53.733 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011341.D

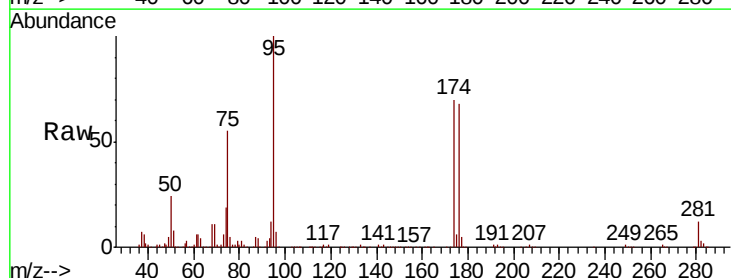
Acq: 18 Jul 2019 18:29

Tgt Ion: 75 Resp: 70997

Ion Ratio Lower Upper

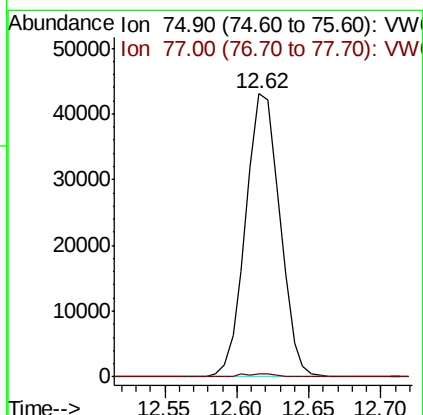
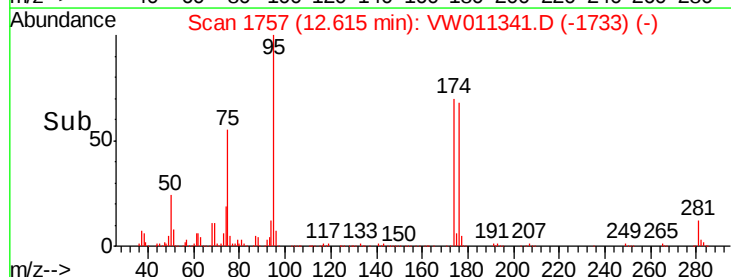
75 100

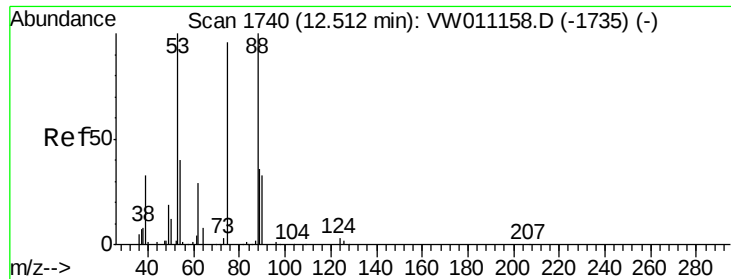
77 1.3 0.0 0.0#



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: 121.533 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011341.D

Acq: 18 Jul 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

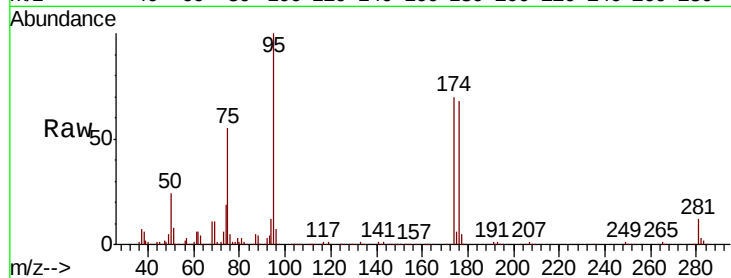
Tot Ion: 75 Resp: 70997

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.1 34.3 51.5#



Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

