

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012547.D
 Acq On : 03 Sep 2019 15:30
 Operator : SY/VA
 Sample : K4647-05
 Misc : 4.56G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 03 16:16:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	352907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	266280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	77184	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	134892	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
35) Dibromofluoromethane	7.88	113	109949	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
50) Toluene-d8	10.32	98	418448	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.62	95	106653	35.42	ug/l	0.00
Spiked Amount			Recovery	=	70.84%	

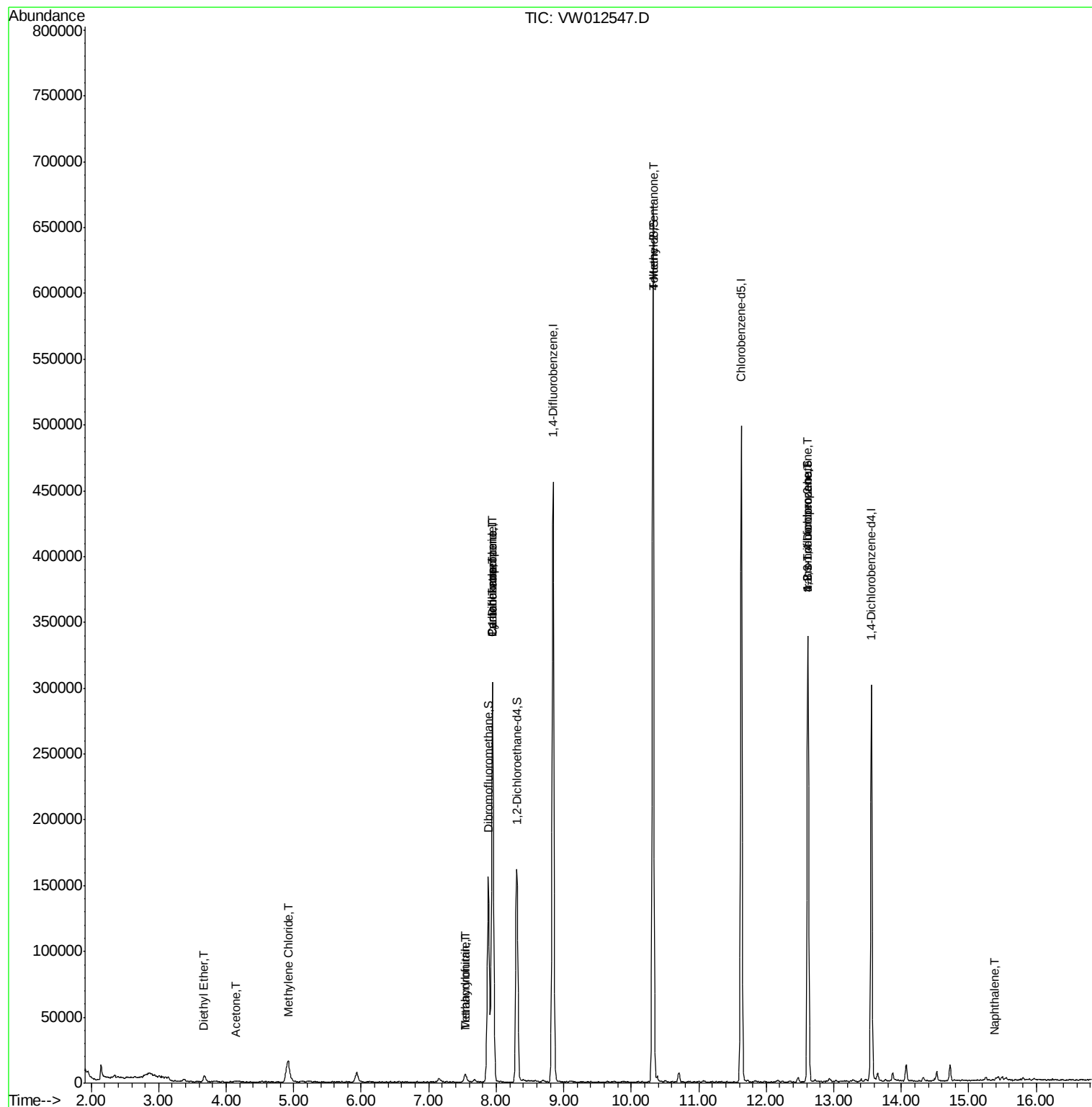
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2502	2.029	ug/l	89
16) Acetone	4.15	43	1765	2.622	ug/l #	88
20) Methylene Chloride	4.92	84	12281	4.826	ug/l	92
29) Tetrahydrofuran	7.54	42	5353	9.753	ug/l	96
31) Cyclohexane	7.94	56	5373	1.133	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18625	5.107	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22471	7.119	ug/l #	17
41) Methacrylonitrile	7.53	41	3266	2.781	ug/l #	55
51) 4-Methyl-2-Pentanone	10.32	43	2446	1.299	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	57430	76.398	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57430	167.506	ug/l #	6
95) Naphthalene	15.38	128	173	4.375	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012547.D

Acq: 03 Sep 2019 15:30

Instrument :

MSVOA_W

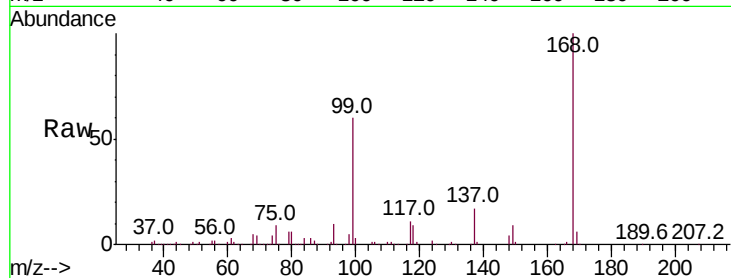
ClientSampled :

Tot Ion:168 Resp: 221539

Ion Ratio Lower Upper

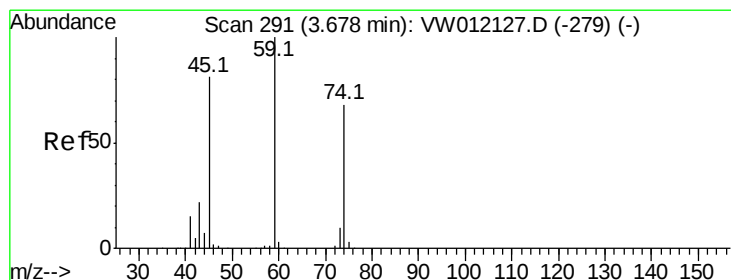
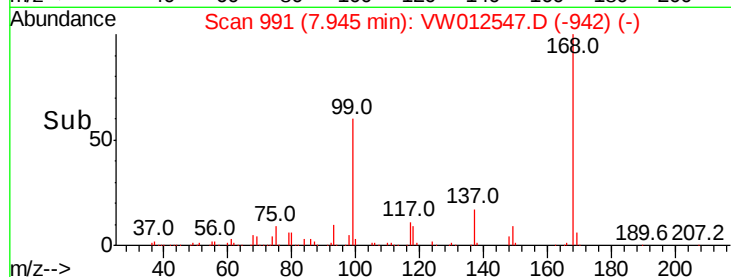
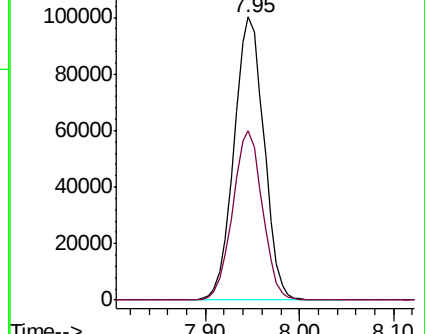
168 100

99 59.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.029 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012547.D

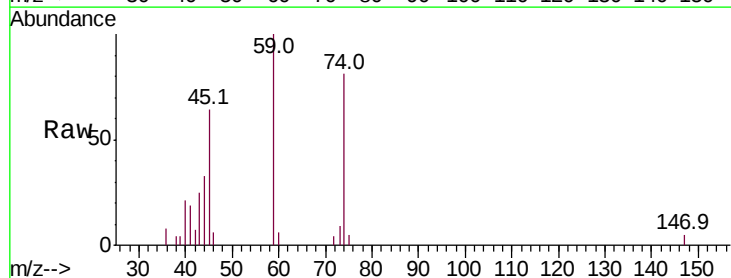
Acq: 03 Sep 2019 15:30

Tgt Ion: 74 Resp: 2502

Ion Ratio Lower Upper

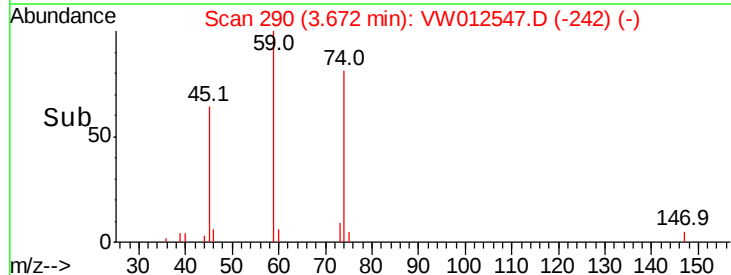
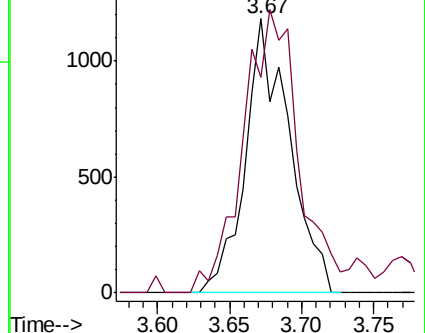
74 100

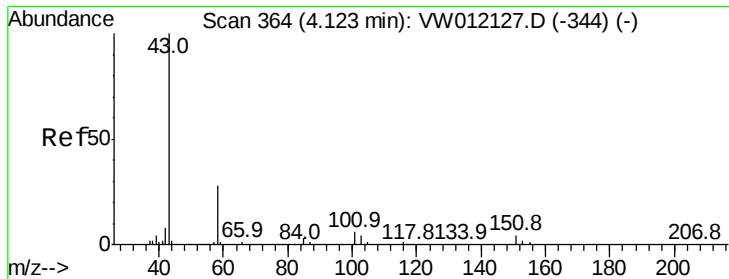
45 130.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 2.622 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.03 min

Lab File: VW012547.D

Acq: 03 Sep 2019 15:30

Instrument :

MSVOA_W

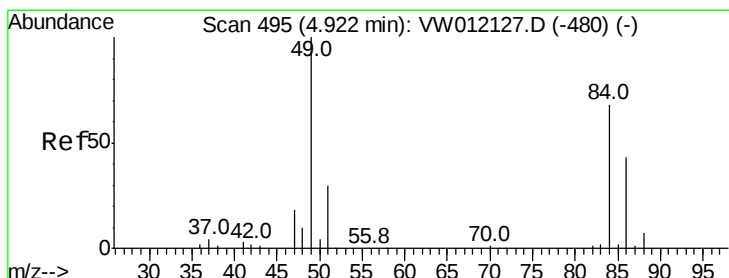
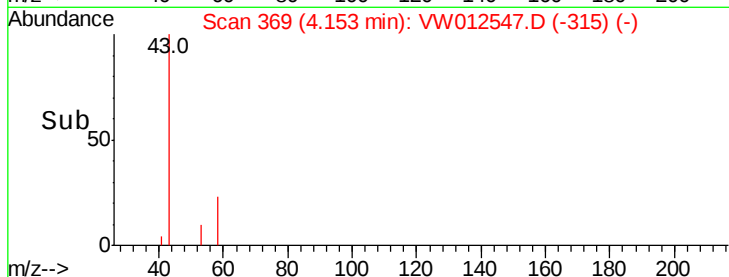
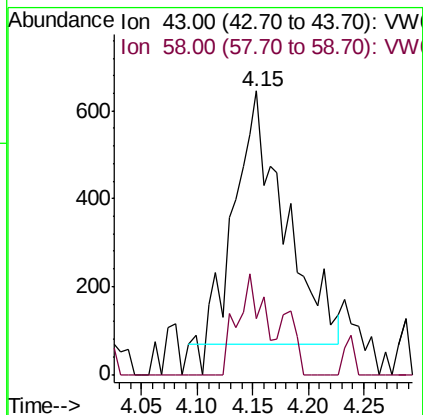
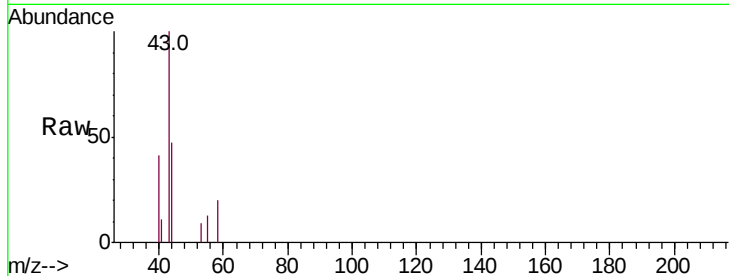
ClientSampleId :

Tot Ion: 43 Resp: 1765

Ion Ratio Lower Upper

43 100

58 21.9 22.4 33.6#



#20

Methylene Chloride

Concen: 4.826 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW012547.D

Acq: 03 Sep 2019 15:30

Tgt Ion: 84 Resp: 12281

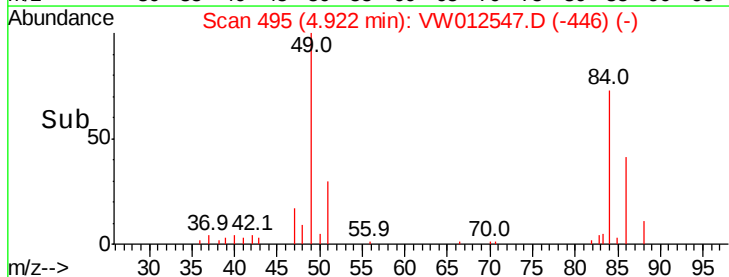
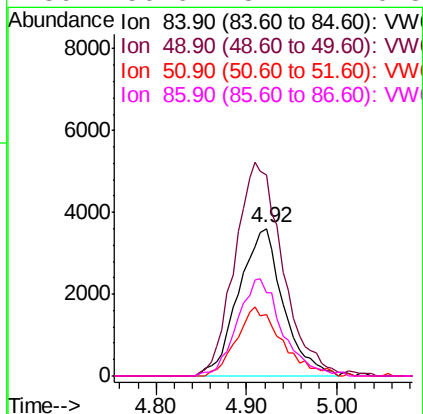
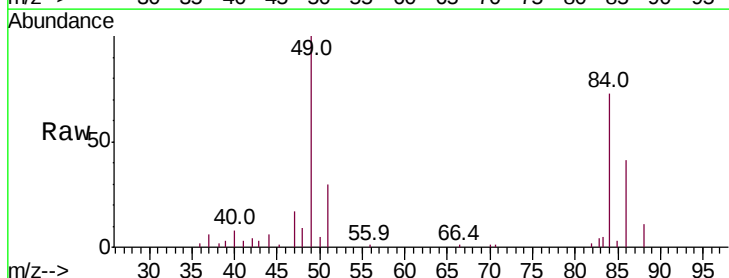
Ion Ratio Lower Upper

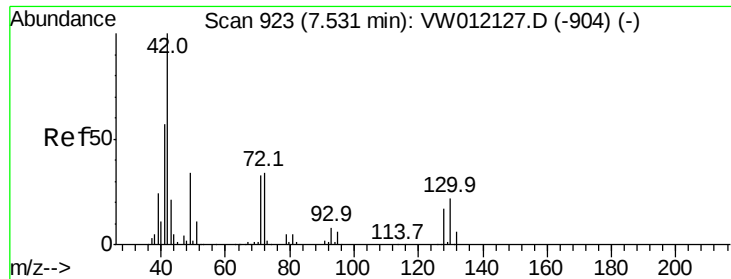
84 100

49 136.4 117.8 176.8

51 41.6 35.6 53.4

86 56.6 51.2 76.8

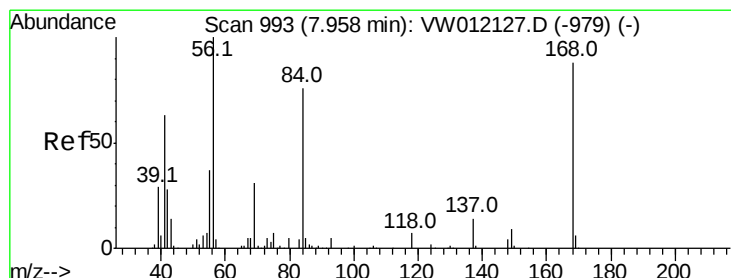
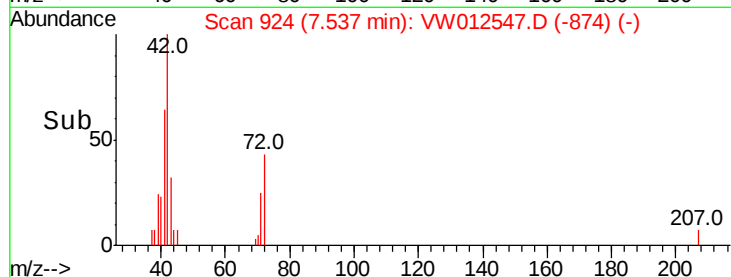
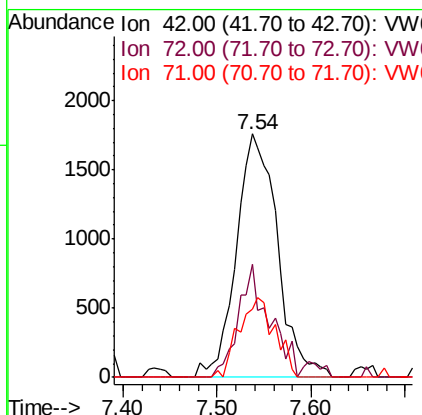
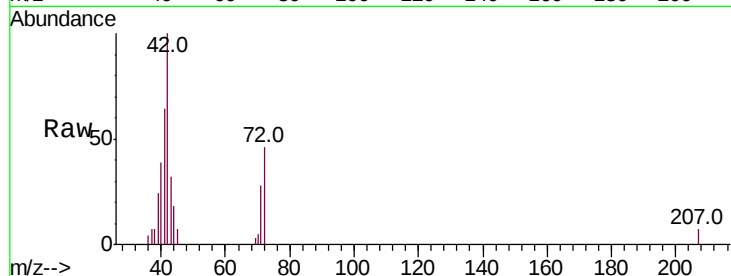




#29
Tetrahydrofuran
Concen: 9.753 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012547.D
Acq: 03 Sep 2019 15:30

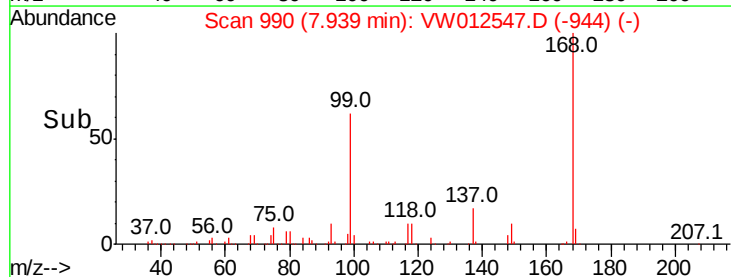
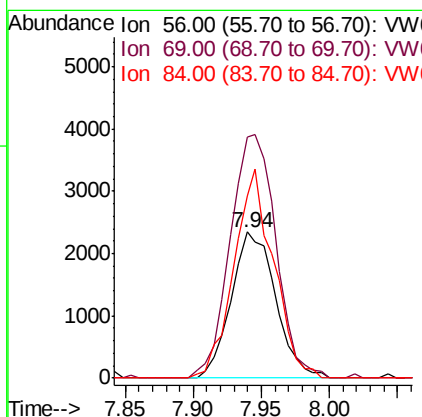
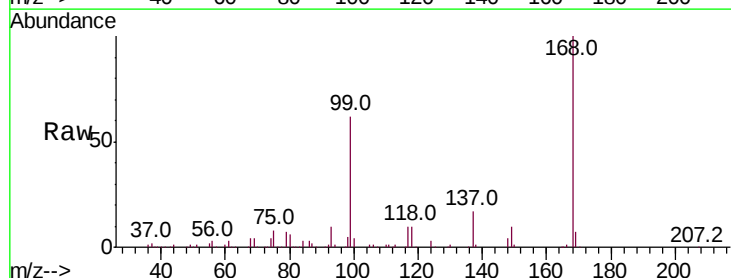
Instrument :
MSVOA_W
ClientSampleId :

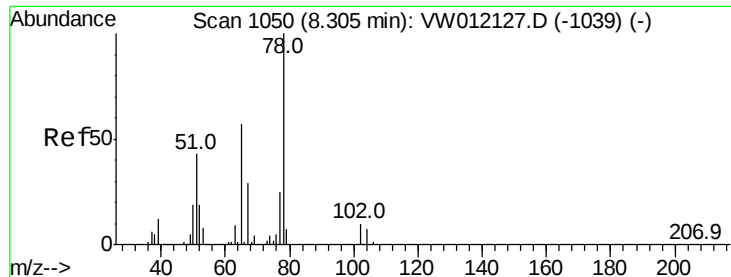
Tot Ion: 42 Resp: 5353
Ion Ratio Lower Upper
42 100
72 35.5 27.3 40.9
71 28.7 25.5 38.3



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012547.D
Acq: 03 Sep 2019 15:30

Tgt Ion: 56 Resp: 5373
Ion Ratio Lower Upper
56 100
69 164.8 24.9 37.3#
84 125.0 60.6 90.8#

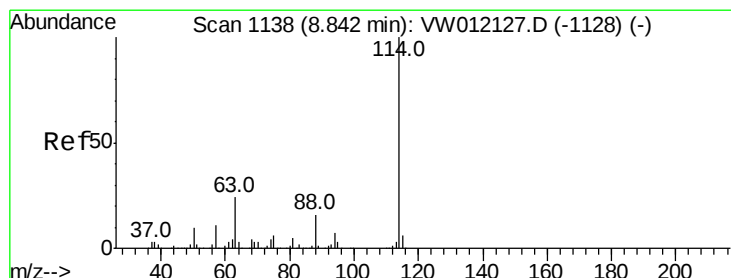
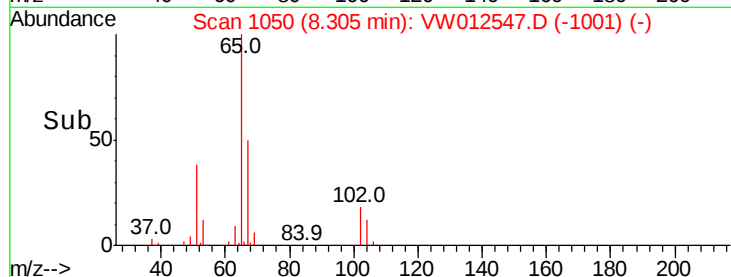
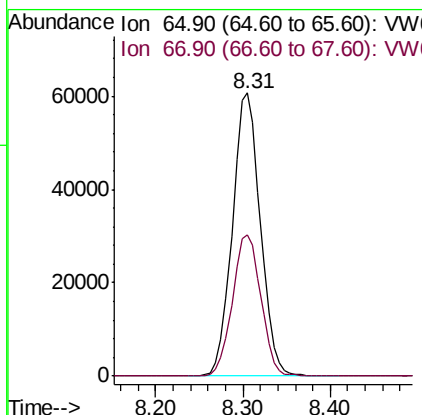
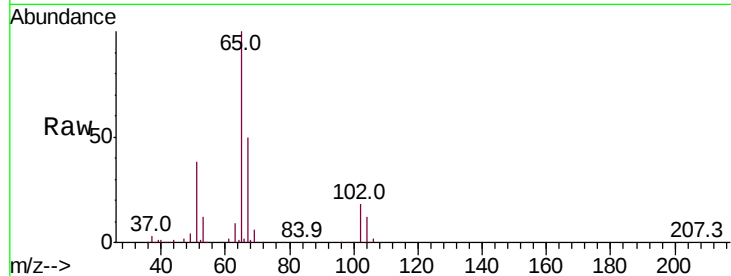




#33
 1,2-Dichloroethane-d4
 Concen: 51.220 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012547.D
 Acq: 03 Sep 2019 15:30

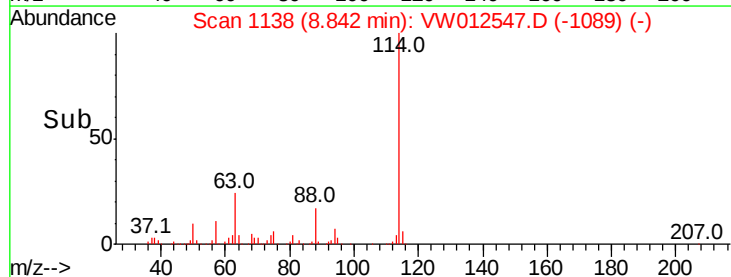
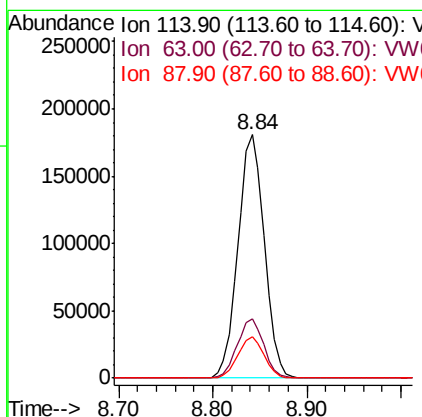
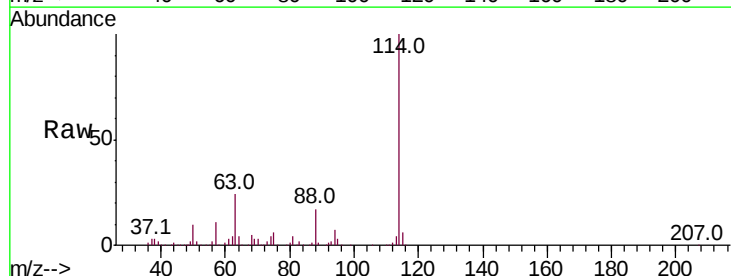
Instrument :
 MSVOA_W
 ClientSampleId :

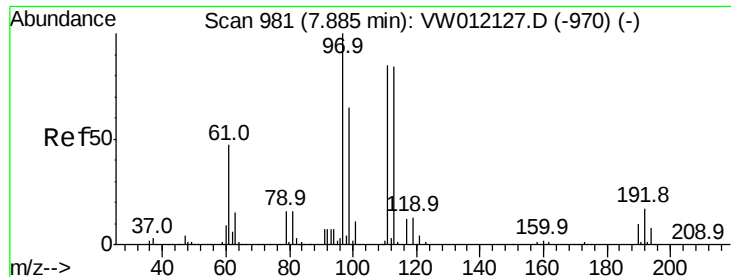
Tot Ion: 65 Resp: 134892
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012547.D
 Acq: 03 Sep 2019 15:30

Tgt Ion: 114 Resp: 352907
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 16.9 0.0 32.2

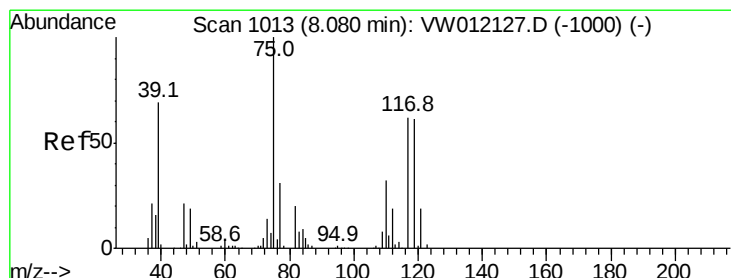
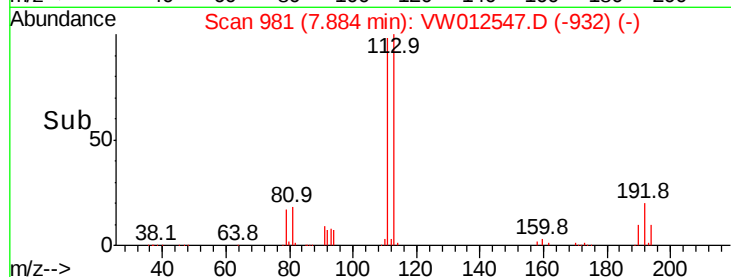
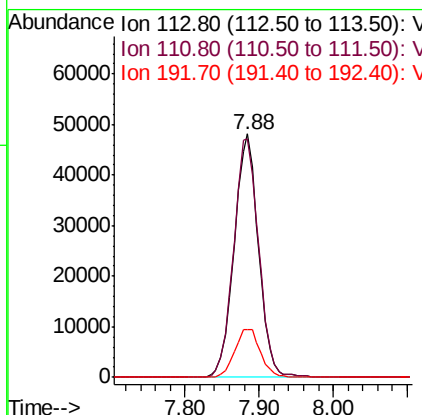
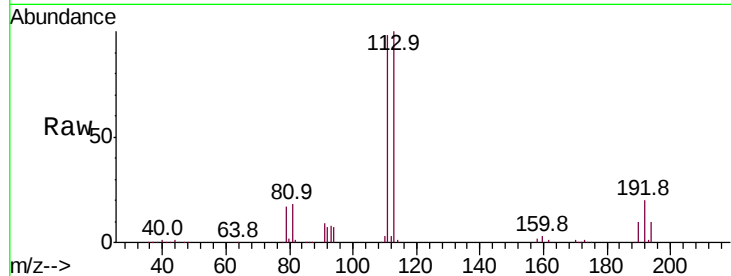




#35
 Dibromofluoromethane
 Concen: 52.195 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012547.D
 Acq: 03 Sep 2019 15:30

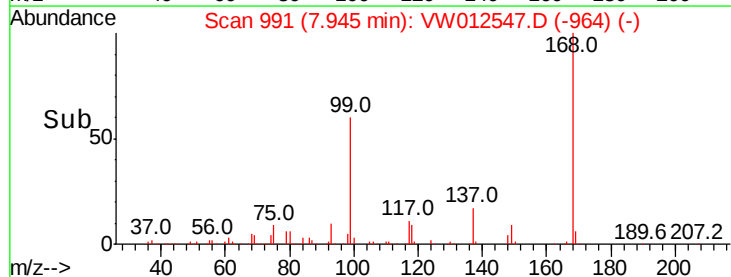
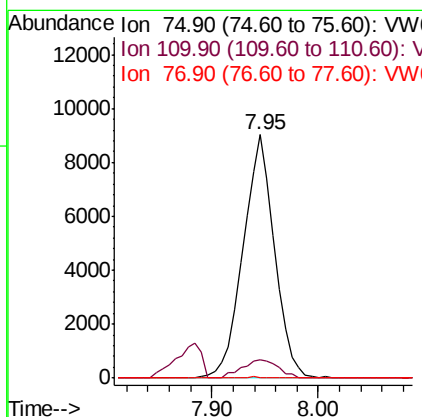
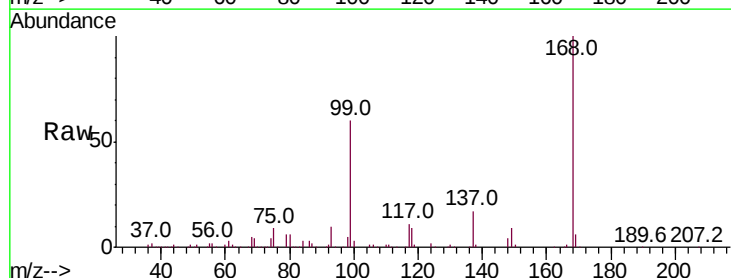
Instrument :
 MSVOA_W
 ClientSampled :

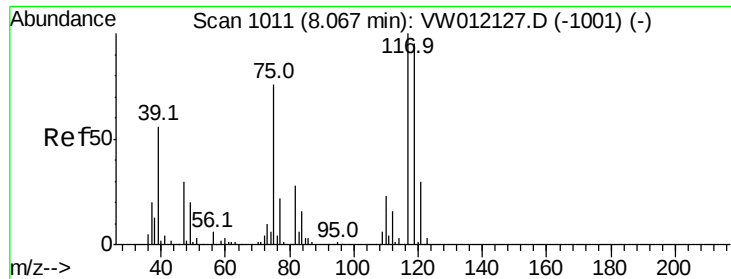
Tot Ion:113 Resp: 109949
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.7 124.1
 192 20.7 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.107 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012547.D
 Acq: 03 Sep 2019 15:30

Tgt Ion: 75 Resp: 18625
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.1 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 7.119 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012547.D

Acq: 03 Sep 2019 15:30

Instrument :

MSVOA_W

ClientSampled :

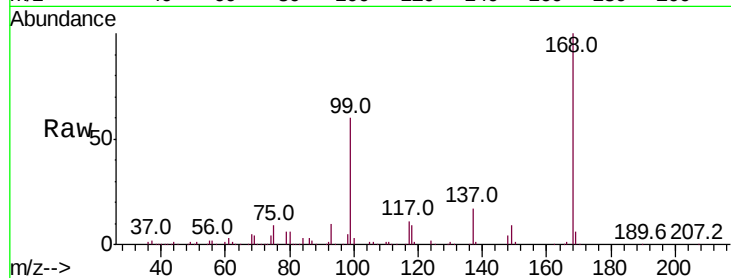
Tot Ion:117 Resp: 22471

Ion Ratio Lower Upper

117 100

119 6.1 76.2 114.2#

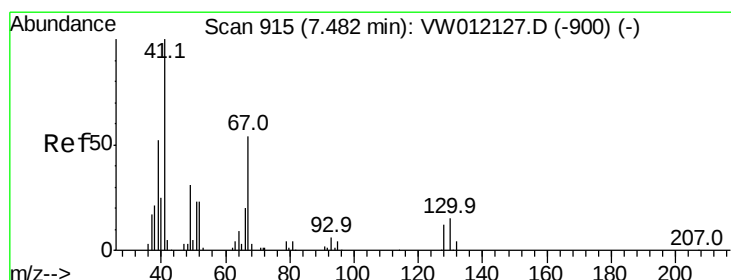
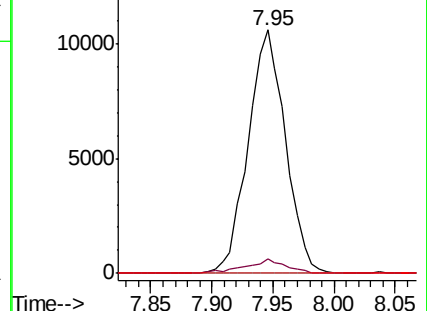
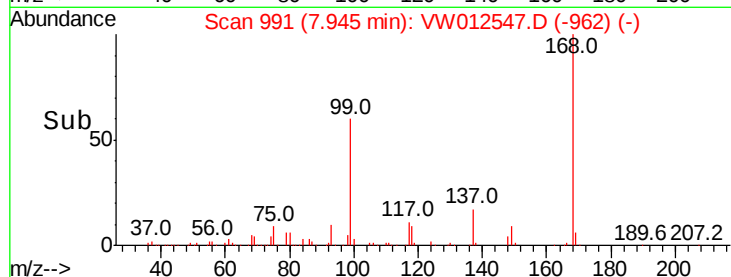
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 2.781 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012547.D

Acq: 03 Sep 2019 15:30

Tgt Ion: 41 Resp: 3266

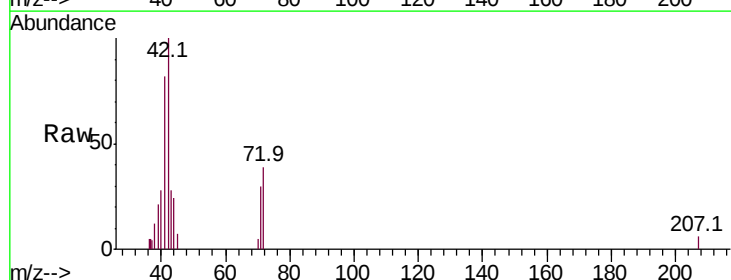
Ion Ratio Lower Upper

41 100

39 51.0 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

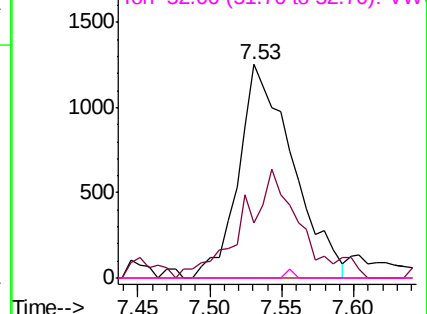
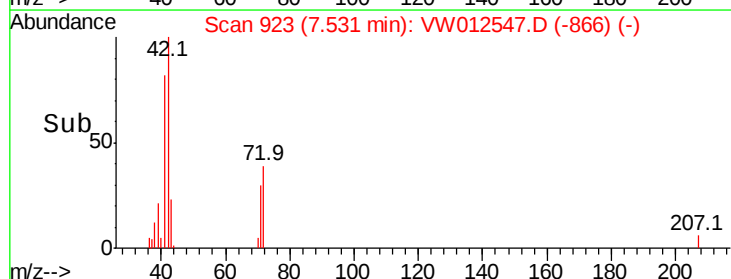


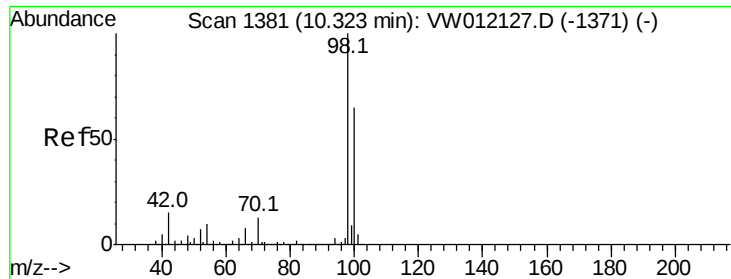
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

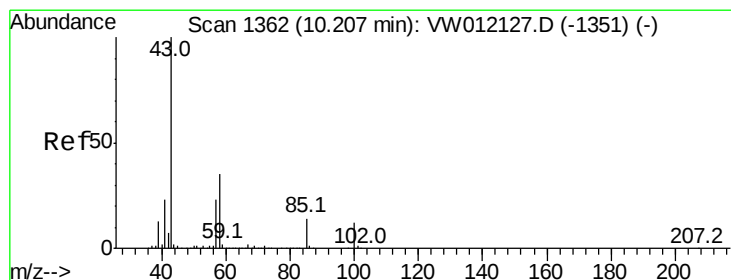
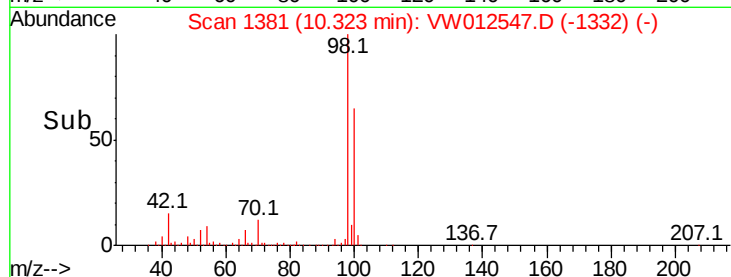
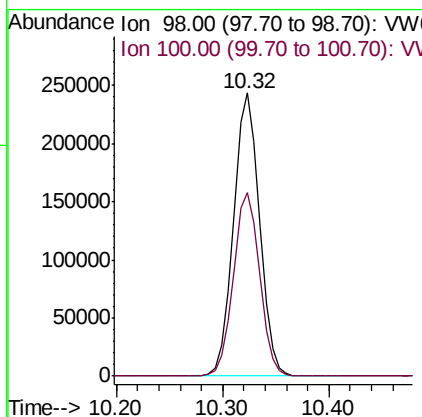
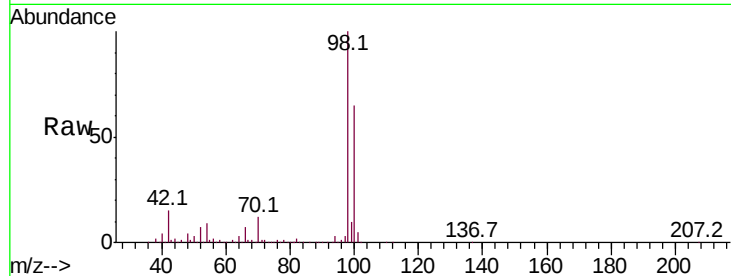




#50
Toluene-d8
Concen: 48.991 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012547.D
Acq: 03 Sep 2019 15:30

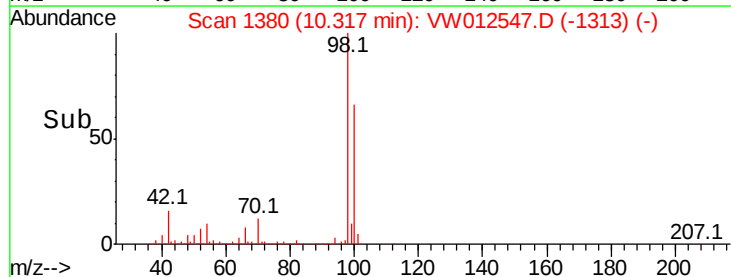
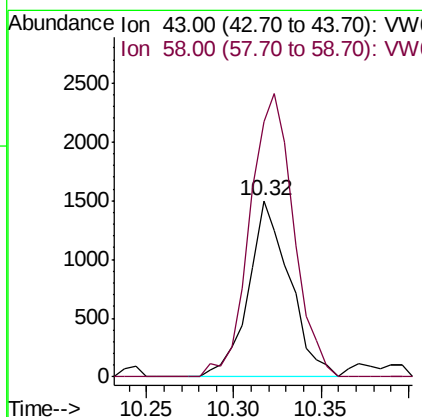
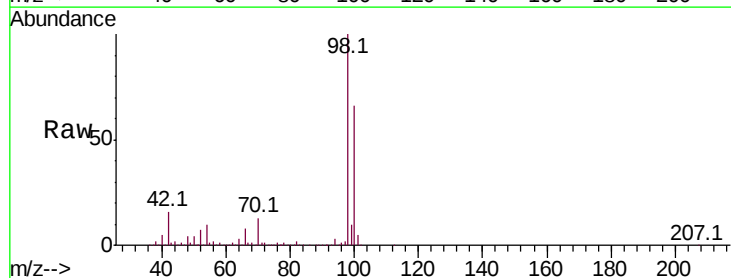
Instrument :
MSVOA_W
ClientSampled :

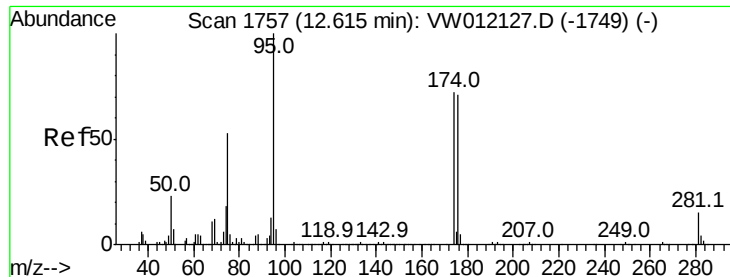
Tot Ion: 98 Resp: 418448
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.299 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. 0.11 min
Lab File: VW012547.D
Acq: 03 Sep 2019 15:30

Tgt Ion: 43 Resp: 2446
Ion Ratio Lower Upper
43 100
58 171.2 28.2 42.2#

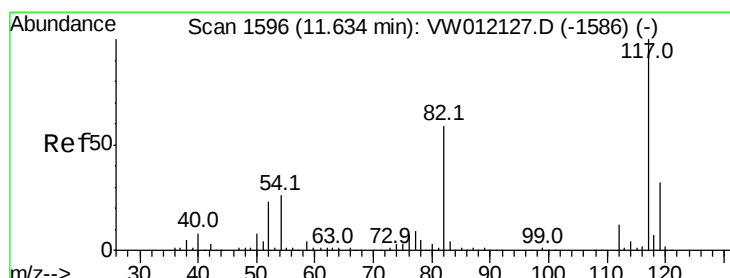
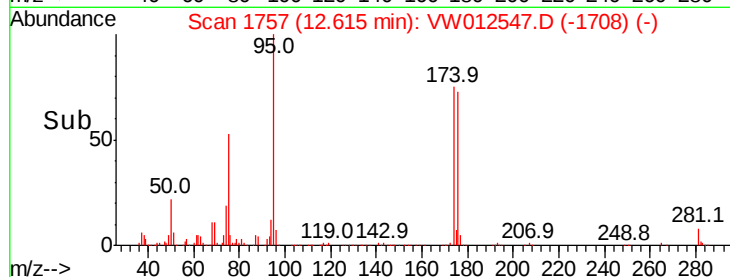
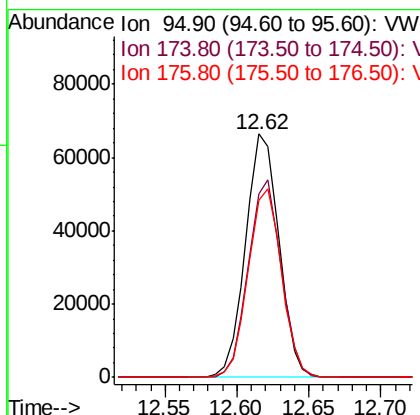
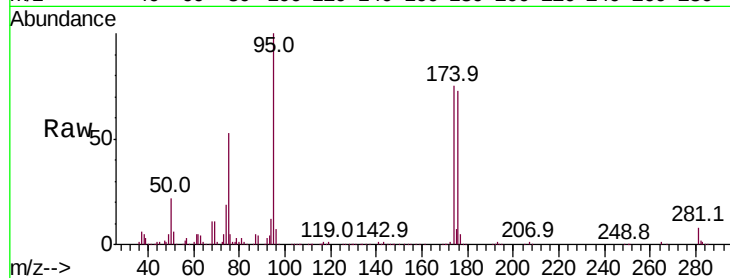




#62
4-Bromofluorobenzene
Concen: 35.423 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012547.D
Acq: 03 Sep 2019 15:30

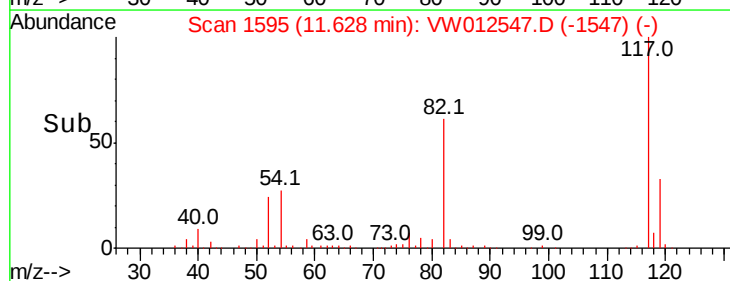
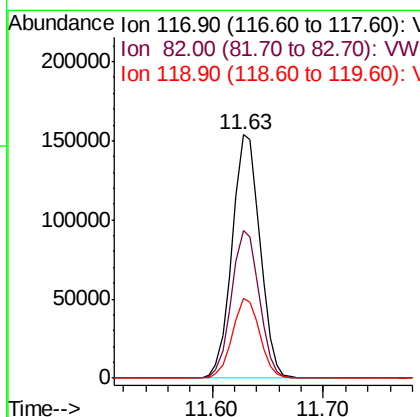
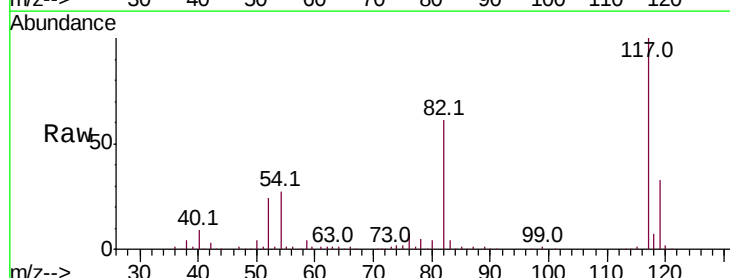
Instrument :
MSVOA_W
ClientSampleId :

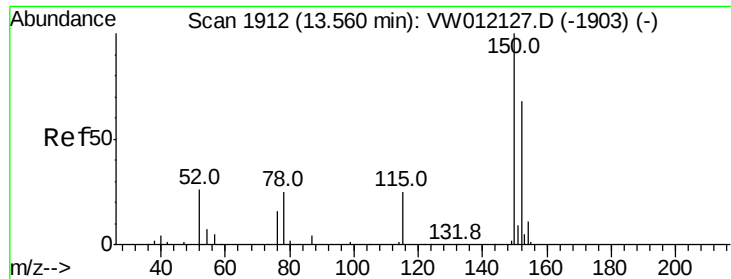
Tot Ion	95	Resp	106653
Ion Ratio	Lower	Upper	
95	100		
174	79.9	0.0	150.8
176	77.3	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012547.D
Acq: 03 Sep 2019 15:30

Tgt Ion	117	Resp	266280
Ion Ratio	Lower	Upper	
117	100		
82	60.8	47.4	71.2
119	32.6	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012547.D

Acq: 03 Sep 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

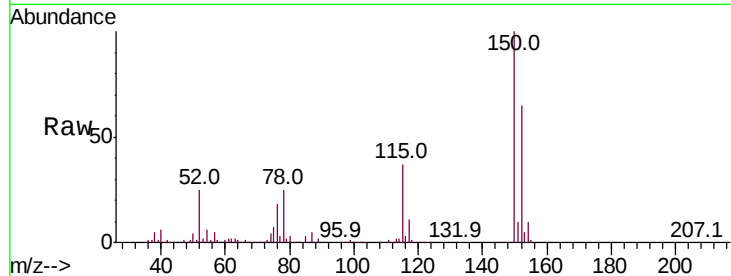
Tot Ion:152 Resp: 77184

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.3

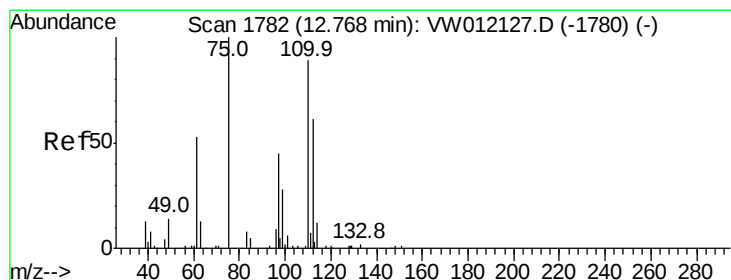
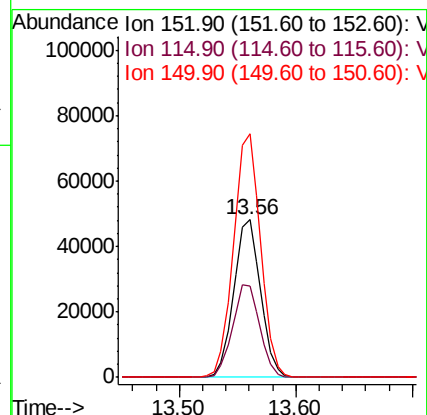
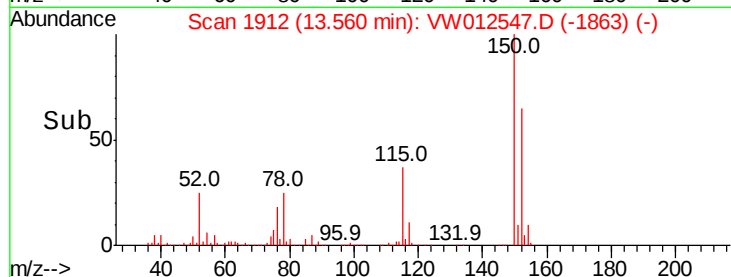
150 155.6 0.0 345.8



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: 76.398 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012547.D

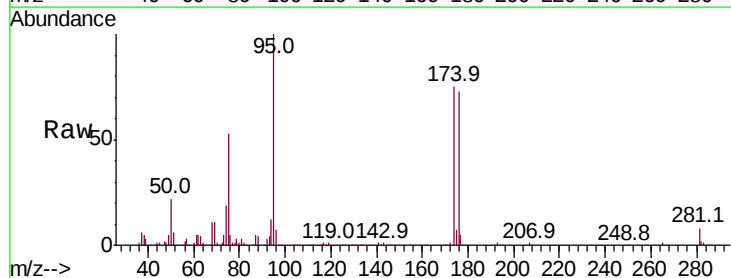
Acq: 03 Sep 2019 15:30

Tgt Ion: 75 Resp: 57430

Ion Ratio Lower Upper

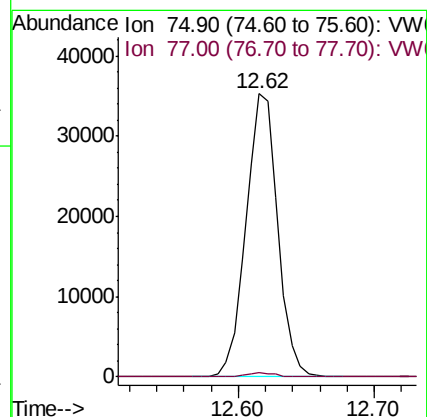
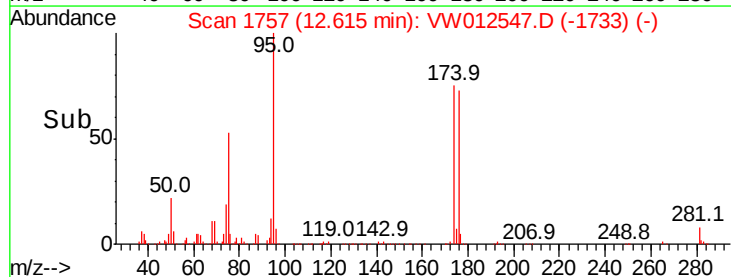
75 100

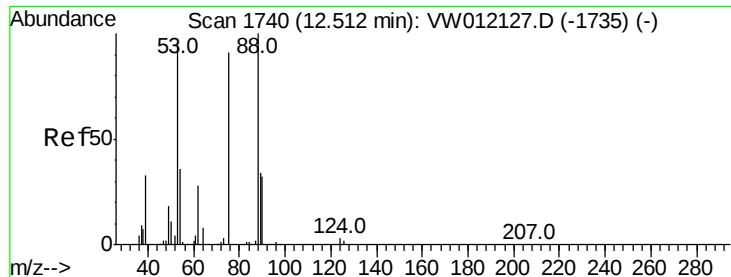
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

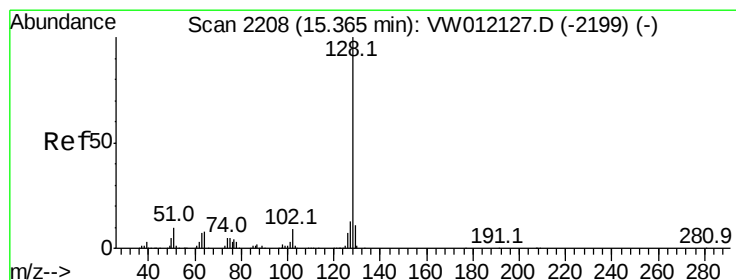
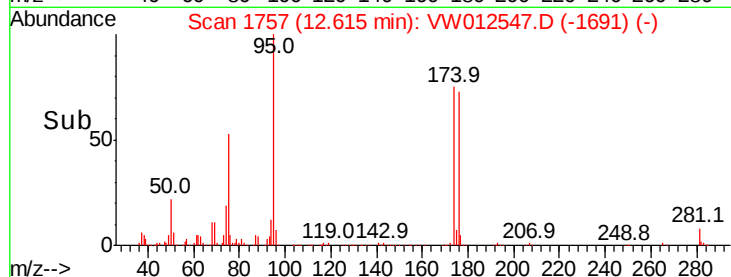
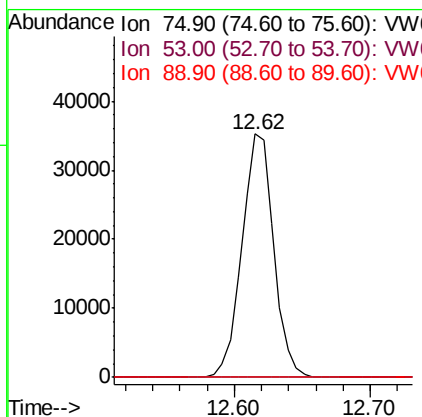
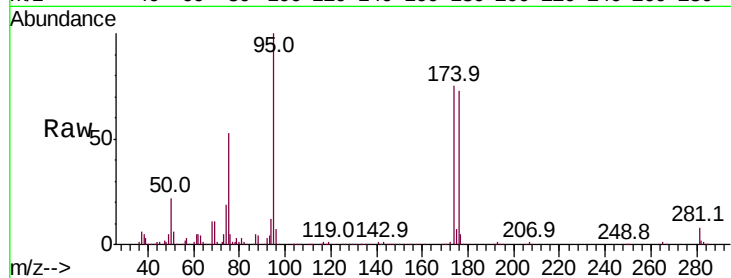




#81
trans-1,4-Dichloro-2-butene
Concen: 167.506 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012547.D
Acq: 03 Sep 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 57430
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.375 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012547.D
Acq: 03 Sep 2019 15:30

Tgt Ion: 128 Resp: 173
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

