

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW083119\
 Data File : VW012431.D
 Acq On : 01 Sep 2019 06:13
 Operator : SY/VA
 Sample : K4516-09
 Misc : 7.90G/5ML/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-E-(2.5)

Quant Time: Sep 01 06:40:31 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	59645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	91418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	78912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	25083	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	41446	58.45	ug/l	0.00
Spiked Amount			Recovery	=	116.90%	
35) Dibromofluoromethane	7.88	113	30993	56.80	ug/l	0.00
Spiked Amount			Recovery	=	113.60%	
50) Toluene-d8	10.32	98	113126	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.62	95	31846	40.83	ug/l	0.00
Spiked Amount			Recovery	=	81.66%	

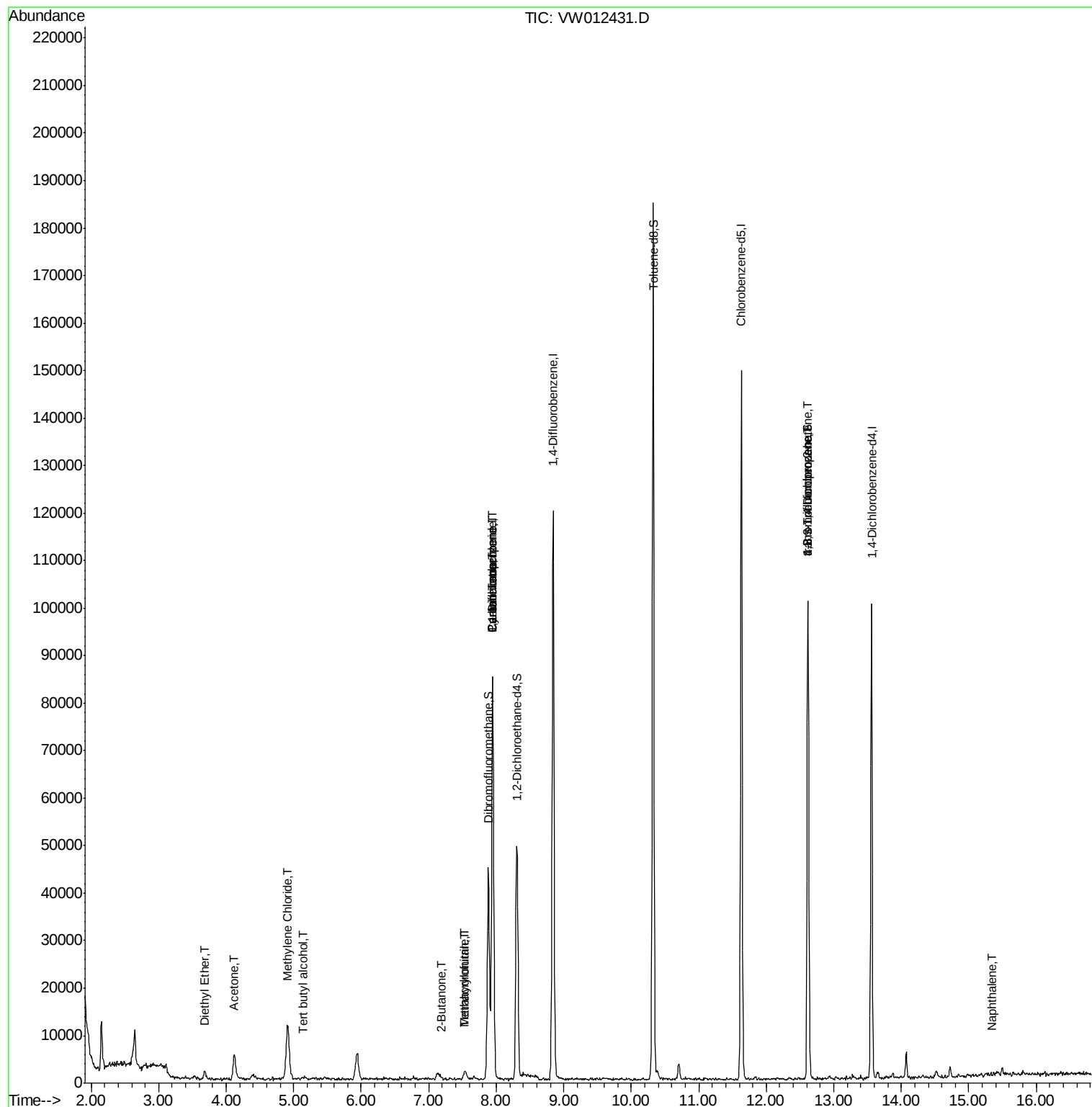
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	355	1.070	ug/l #	1
11) Tert butyl alcohol	5.14	59	524	12.281	ug/l #	71
16) Acetone	4.12	43	9714	53.596	ug/l	96
20) Methylene Chloride	4.90	84	8035	11.727	ug/l	96
25) 2-Butanone	7.19	43	456	1.851	ug/l #	56
29) Tetrahydrofuran	7.53	42	1500	10.151	ug/l	94
31) Cyclohexane	7.95	56	1731	1.355	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	5146	5.447	ug/l #	53
38) Carbon Tetrachloride	7.95	117	6175	7.552	ug/l #	19
41) Methacrylonitrile	7.53	41	1112	3.655	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	17514	71.693	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	17514	157.190	ug/l #	6
95) Naphthalene	15.35	128	33	4.353	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: VW012431.D

Acq: 01 Sep 2019 06:13

Instrument :

MSVOA_W

ClientSampleId :

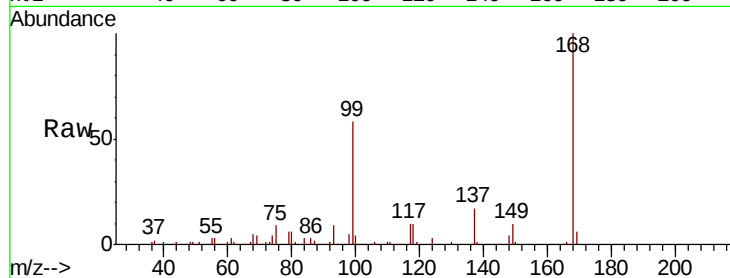
T1-S-E-(2.5)

Tgt Ion:168 Resp: 59645

Ion Ratio Lower Upper

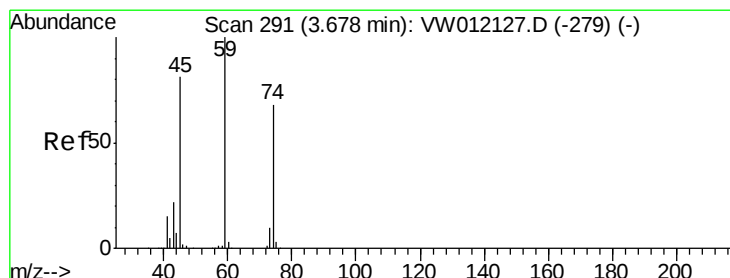
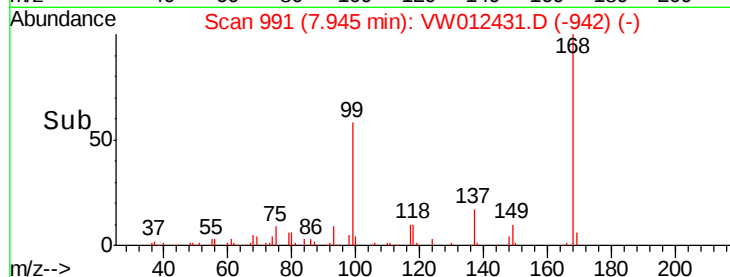
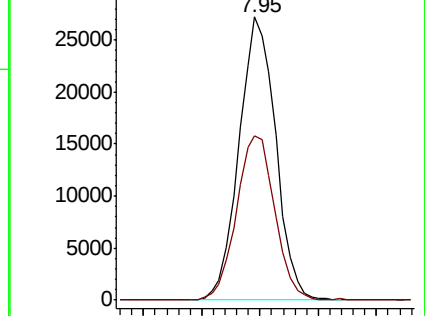
168 100

99 58.1 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: 1.070 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012431.D

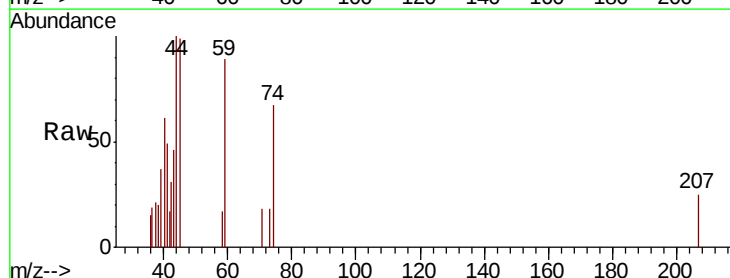
Acq: 01 Sep 2019 06:13

Tgt Ion: 74 Resp: 355

Ion Ratio Lower Upper

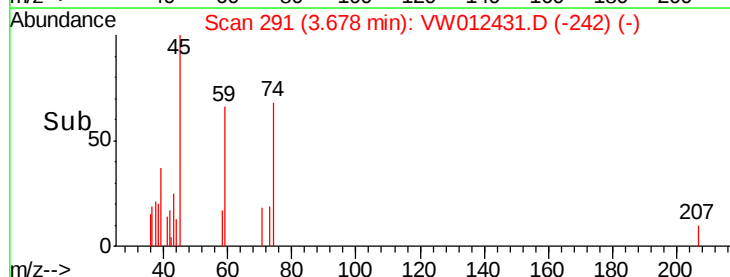
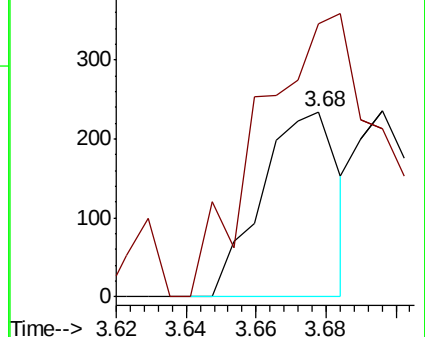
74 100

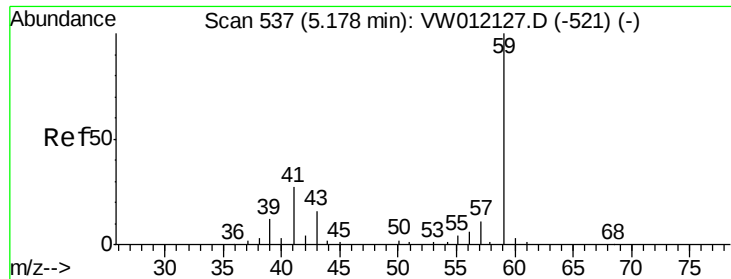
45 262.5 59.2 177.6#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

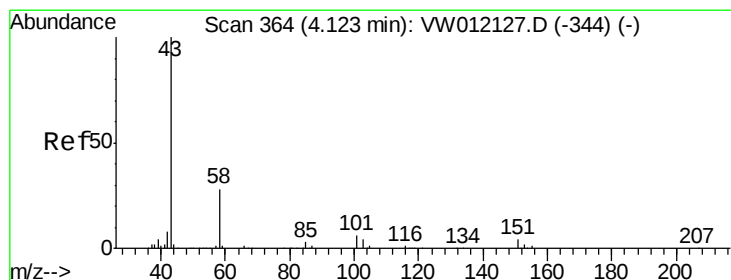
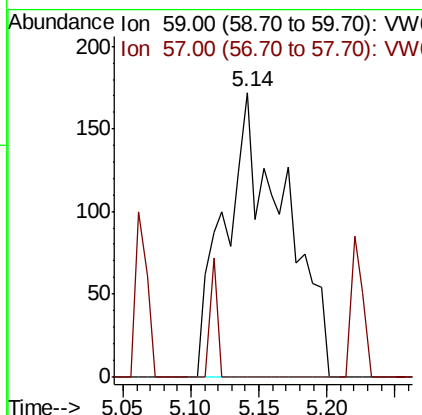
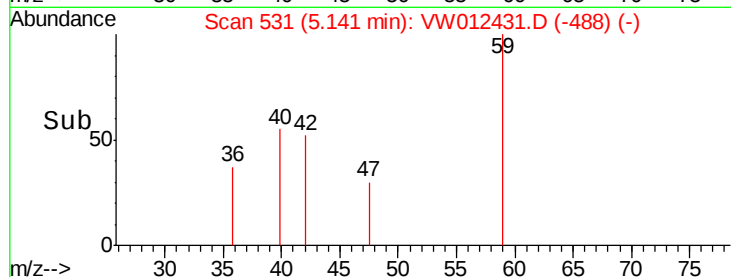
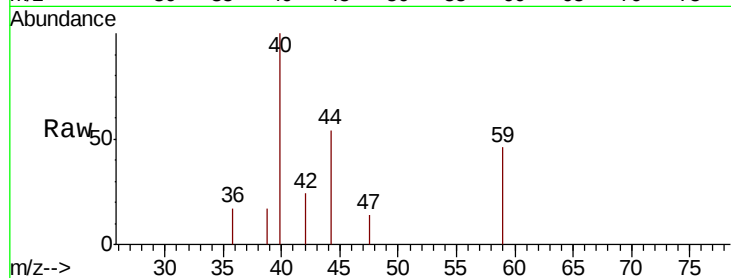




#11
Tert butyl alcohol
Concen: 12.281 ug/l
RT: 5.14 min Scan# 531
Delta R.T. -0.04 min
Lab File: VW012431.D
Acq: 01 Sep 2019 06:13

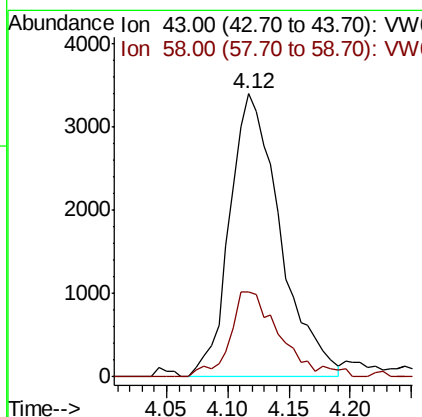
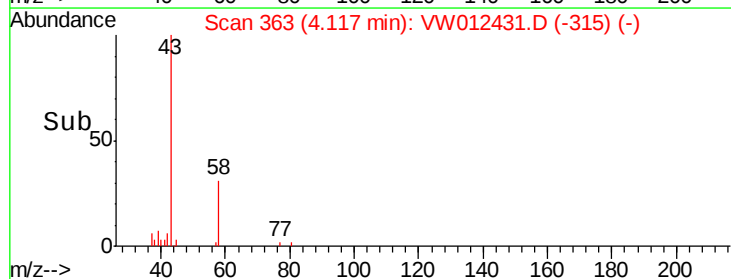
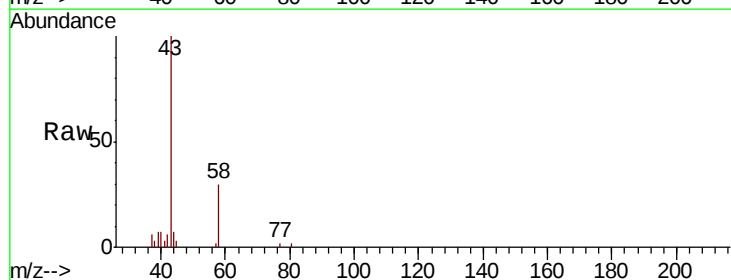
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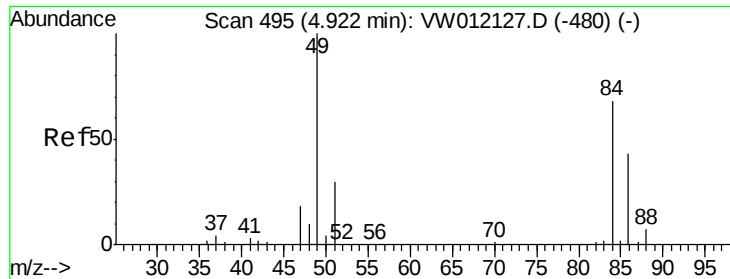
Tgt Ion: 59 Resp: 524
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 53.596 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW012431.D
Acq: 01 Sep 2019 06:13

Tgt Ion: 43 Resp: 9714
Ion Ratio Lower Upper
43 100
58 30.2 22.4 33.6

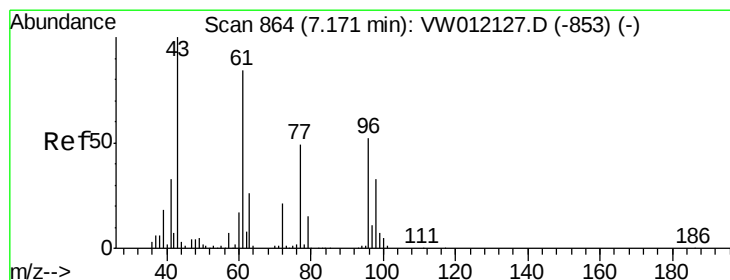
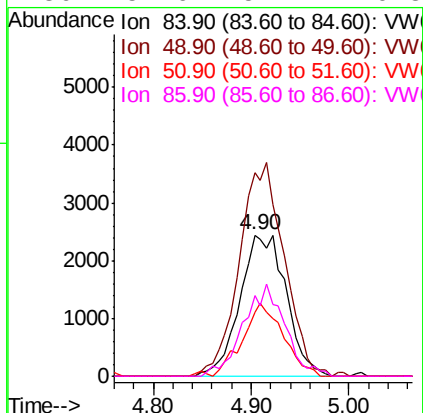
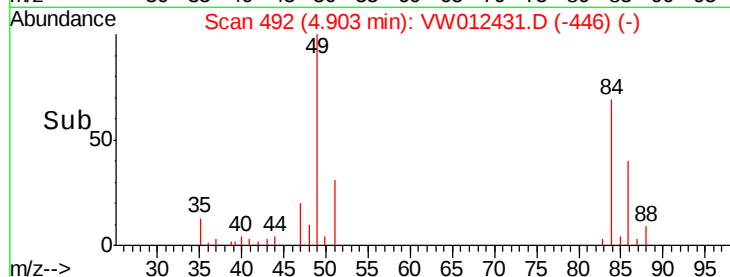
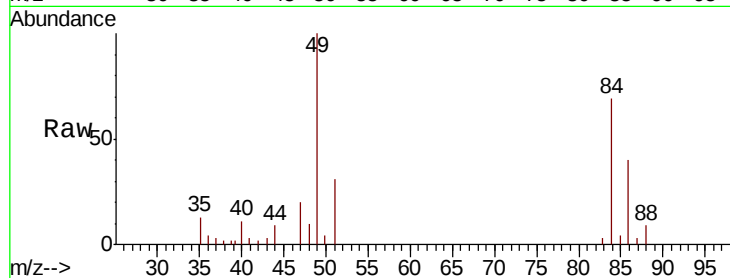




#20
Methylene Chloride
Concen: 11.727 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012431.D
Acq: 01 Sep 2019 06:13

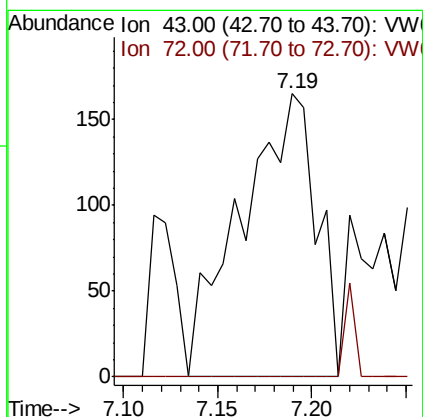
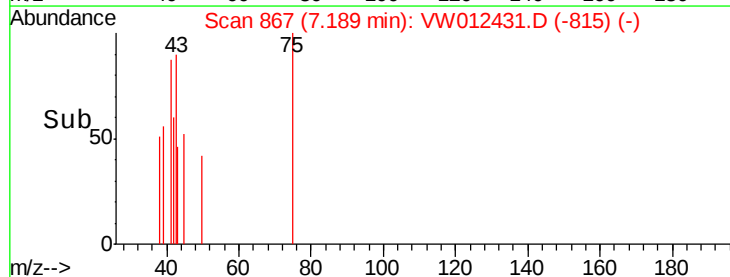
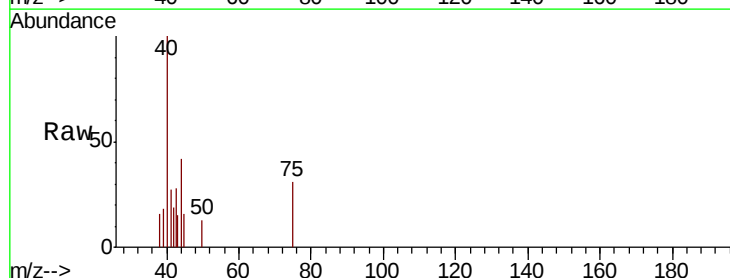
Instrument :
MSVOA_W
ClientSampleId :
T1-S-E-(2.5)

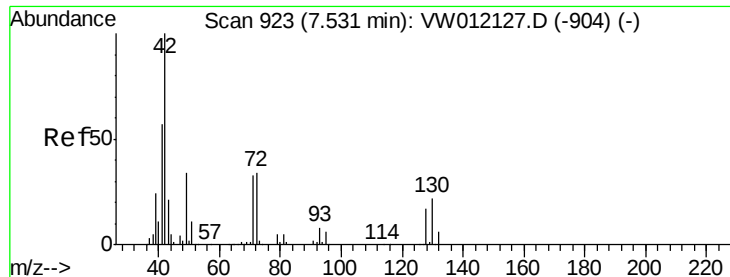
Tgt Ion: 84 Resp: 8035
Ion Ratio Lower Upper
84 100
49 144.8 117.8 176.8
51 45.6 35.6 53.4
86 57.6 51.2 76.8



#25
2-Butanone
Concen: 1.851 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012431.D
Acq: 01 Sep 2019 06:13

Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
72 0.0 16.6 24.8#

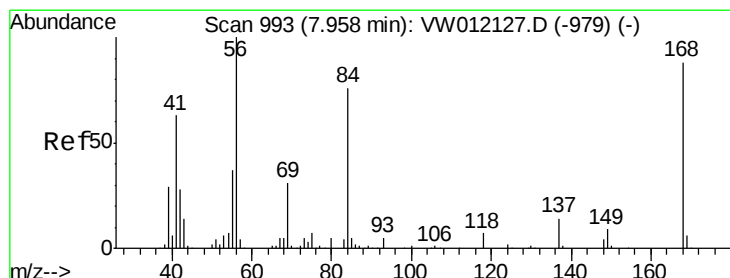
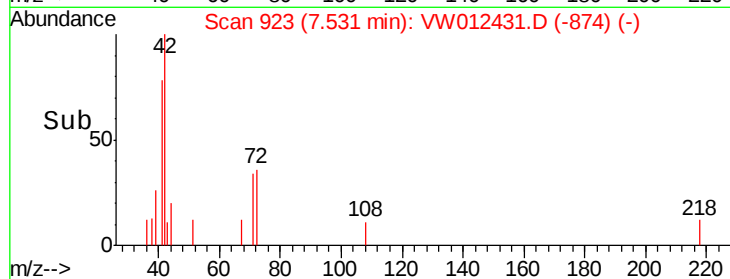
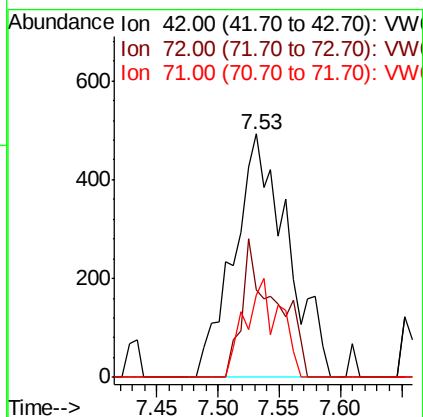
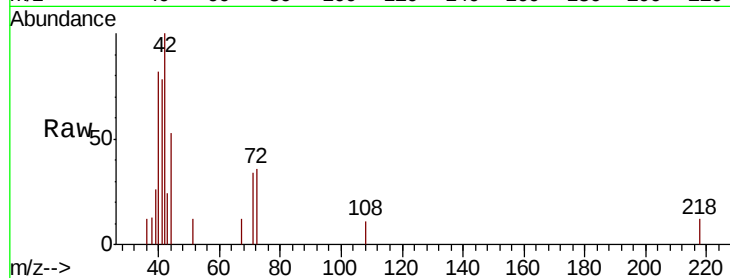




#29
Tetrahydrofuran
Concen: 10.151 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012431.D
Acq: 01 Sep 2019 06:13

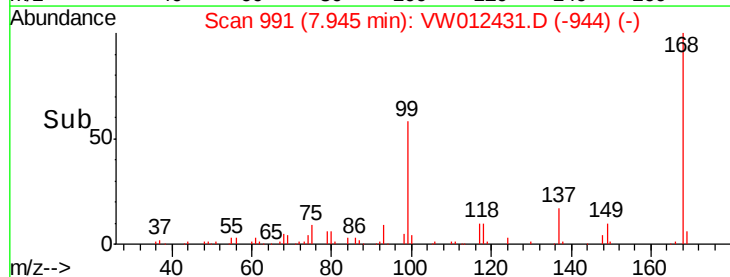
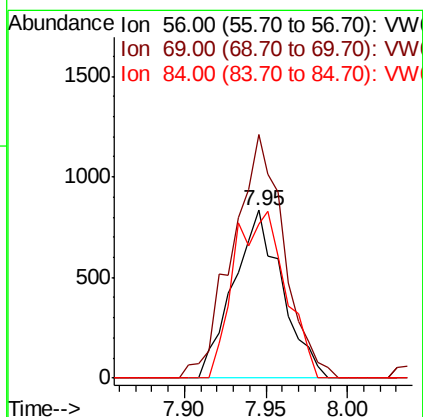
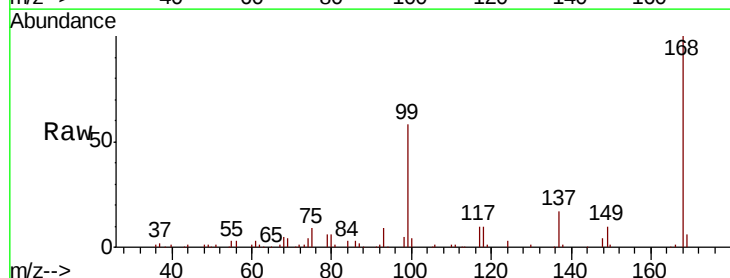
Instrument :
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ClientSampleId :
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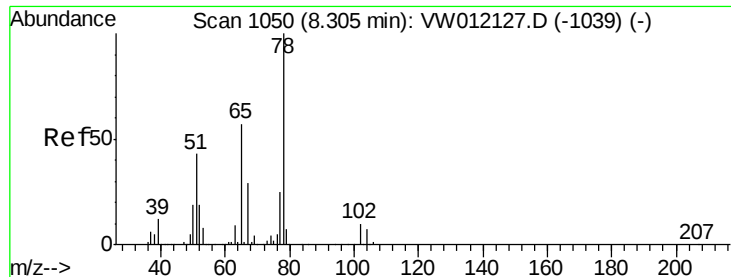
Tgt Ion: 42 Resp: 1500
Ion Ratio Lower Upper
42 100
72 35.3 27.3 40.9
71 26.3 25.5 38.3



#31
Cyclohexane
Concen: 1.355 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012431.D
Acq: 01 Sep 2019 06:13

Tgt Ion: 56 Resp: 1731
Ion Ratio Lower Upper
56 100
69 144.9 24.9 37.3#
84 91.4 60.6 90.8#

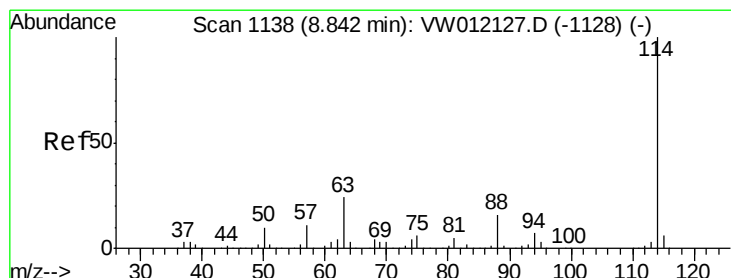
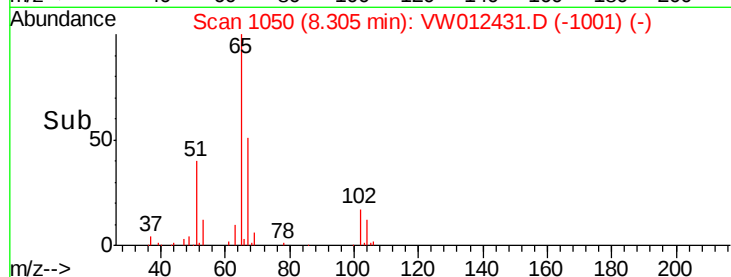
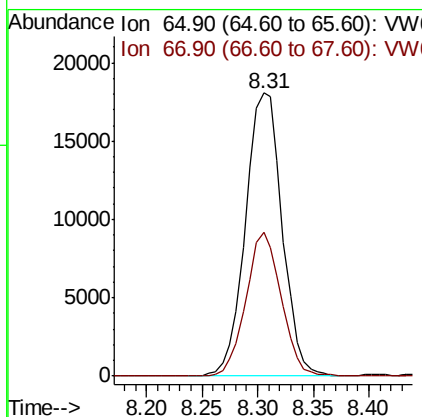
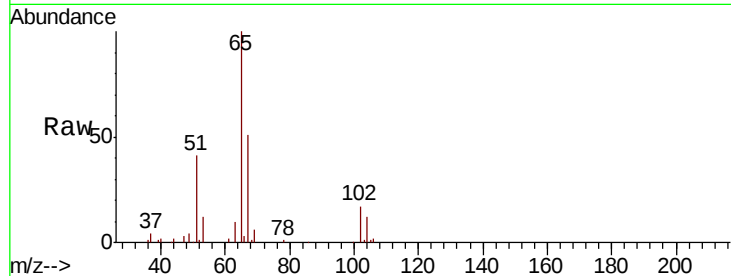




#33
 1,2-Dichloroethane-d4
 Concen: 58.454 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012431.D
 Acq: 01 Sep 2019 06:13

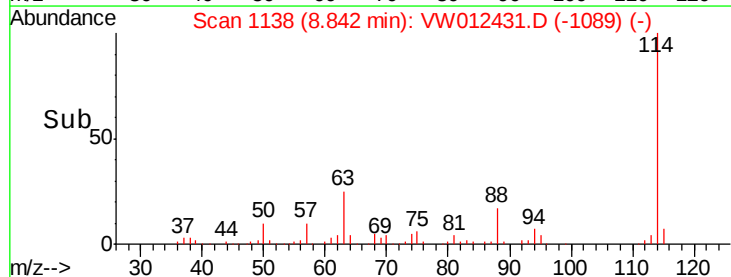
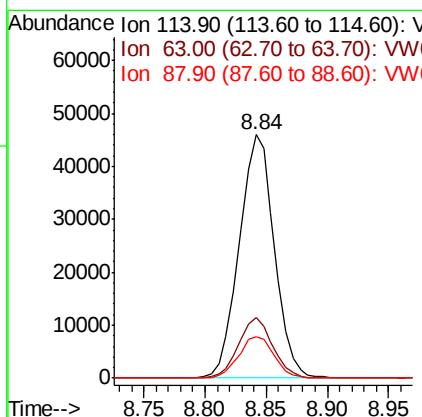
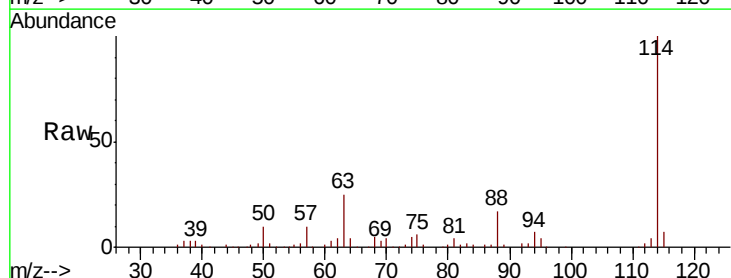
Instrument :
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 T1-S-E-(2.5)

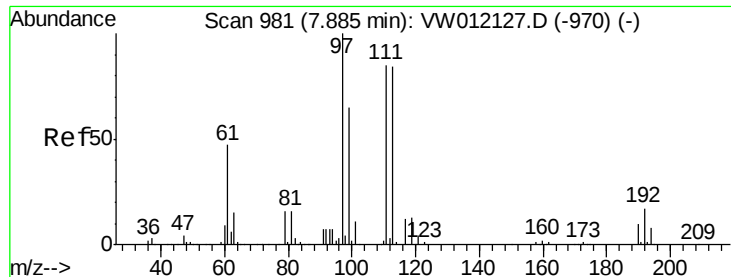
Tgt Ion: 65 Resp: 41446
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012431.D
 Acq: 01 Sep 2019 06:13

Tgt Ion: 114 Resp: 91418
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 17.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 56.797 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012431.D

Acq: 01 Sep 2019 06:13

Instrument :

MSVOA_W

ClientSampleId :

T1-S-E-(2.5)

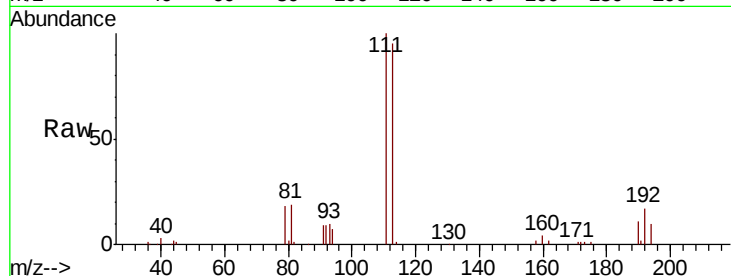
Tgt Ion:113 Resp: 30993

Ion Ratio Lower Upper

113 100

111 104.2 82.7 124.1

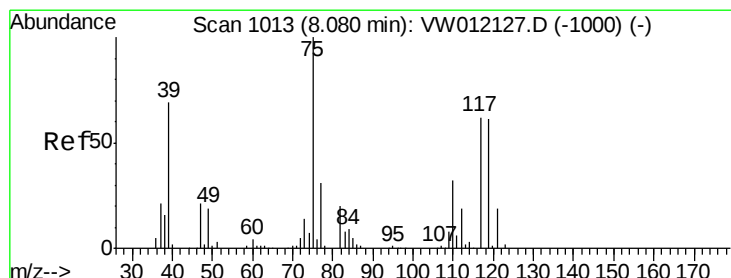
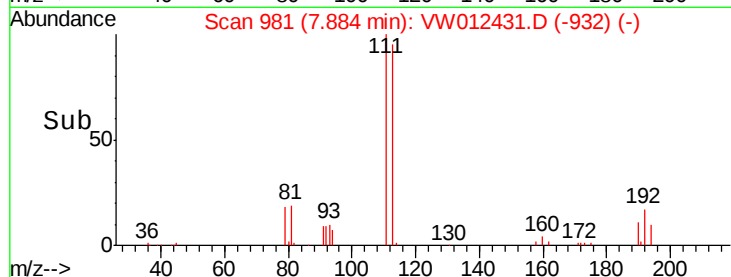
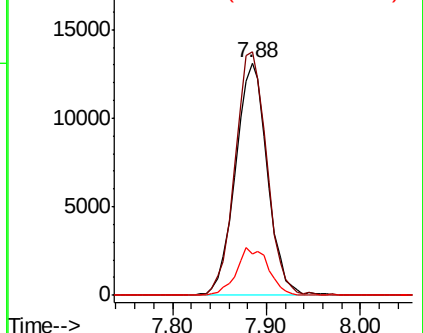
192 20.5 16.2 24.2



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: 5.447 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012431.D

Acq: 01 Sep 2019 06:13

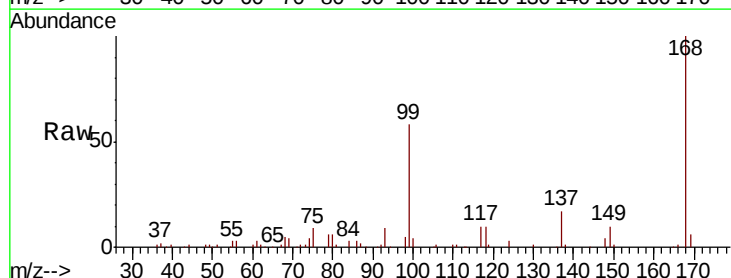
Tgt Ion: 75 Resp: 5146

Ion Ratio Lower Upper

75 100

110 10.0 15.6 46.8#

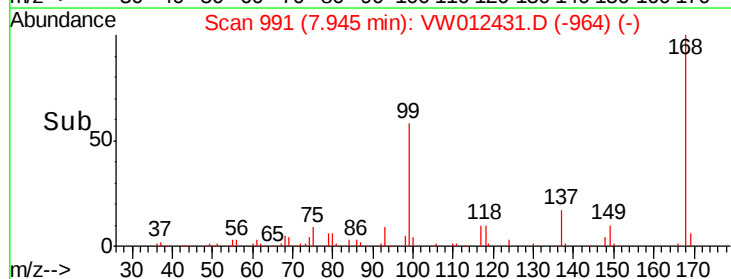
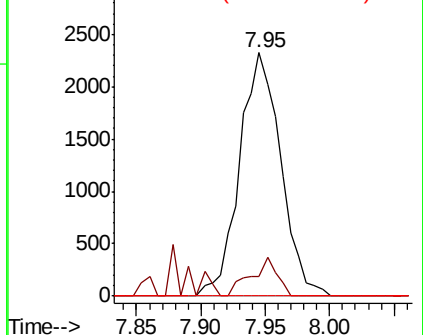
77 0.0 24.6 36.8#

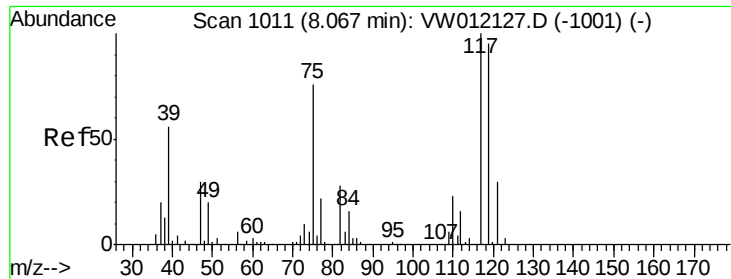


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

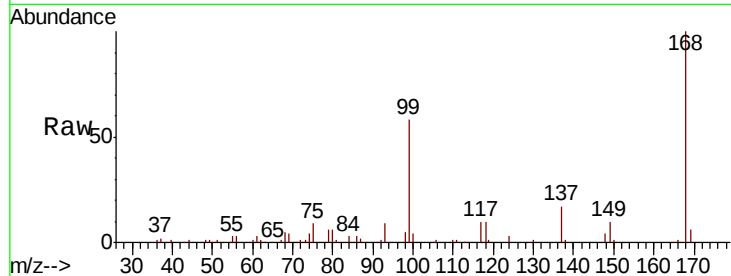




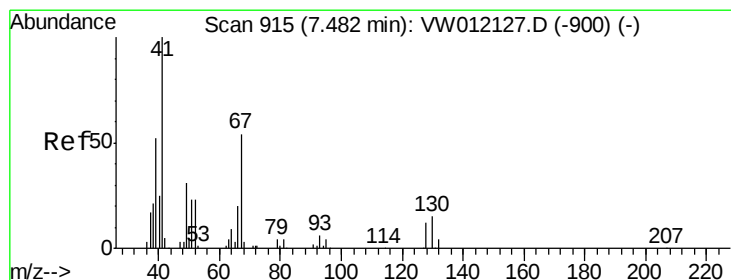
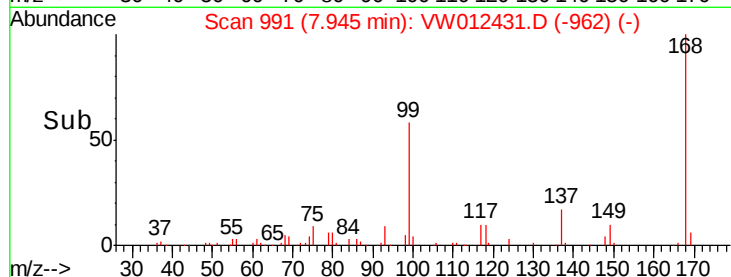
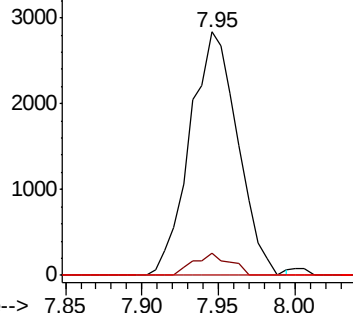
#38
Carbon Tetrachloride
Concen: 7.552 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012431.D
Acq: 01 Sep 2019 06:13

Instrument :
MSVOA_W
ClientSampleId :
T1-S-E-(2.5)

Tgt Ion: 117 Resp: 6175
Ion Ratio Lower Upper
117 100
119 9.1 76.2 114.2#
121 0.0 23.8 35.8#

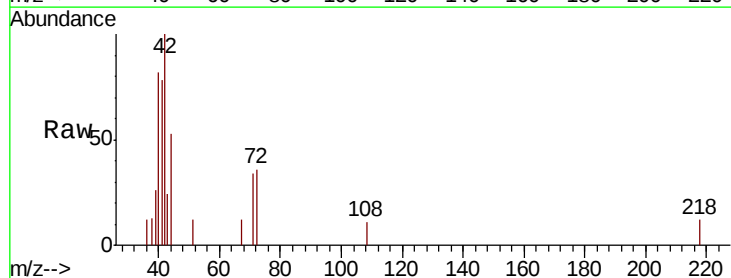


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

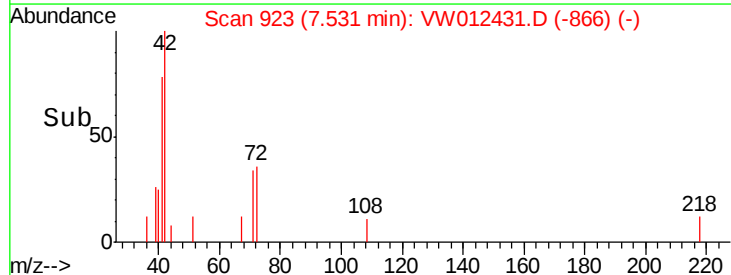
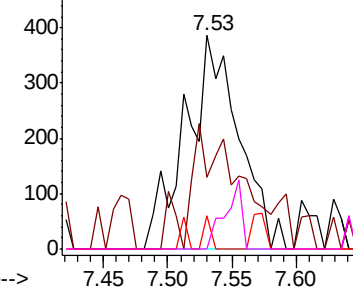


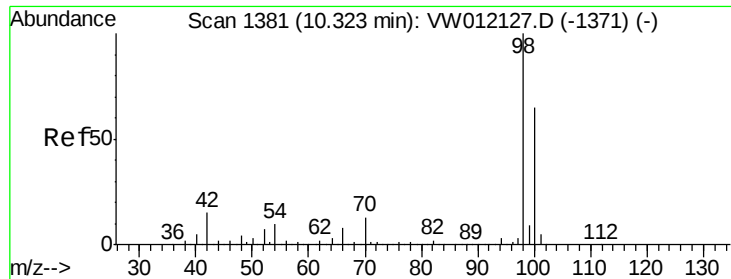
#41
Methacrylonitrile
Concen: 3.655 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012431.D
Acq: 01 Sep 2019 06:13

Tgt Ion: 41 Resp: 1112
Ion Ratio Lower Upper
41 100
39 47.7 45.8 68.8
67 2.0 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: 51.129 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012431.D

Acq: 01 Sep 2019 06:13

Instrument :

MSVOA_W

ClientSampleId :

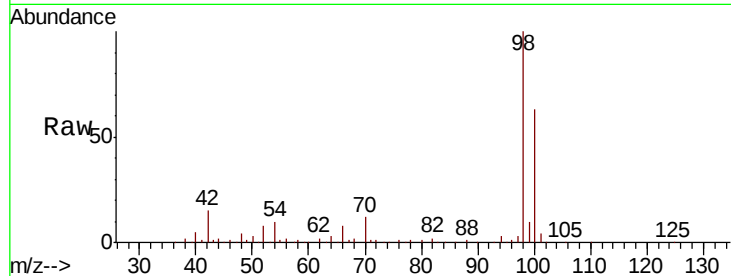
T1-S-E-(2.5)

Tgt Ion: 98 Resp: 113126

Ion Ratio Lower Upper

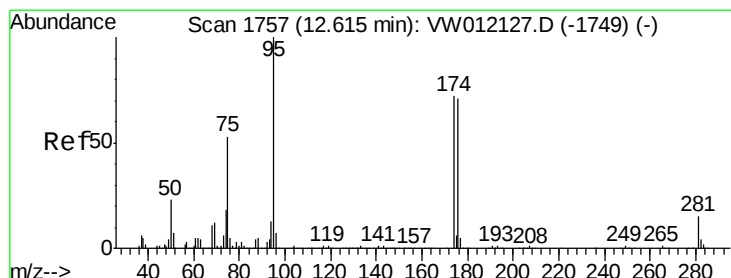
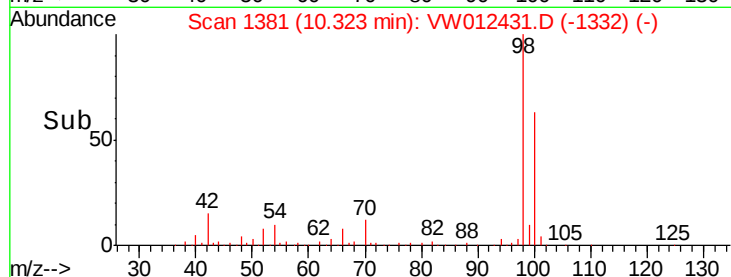
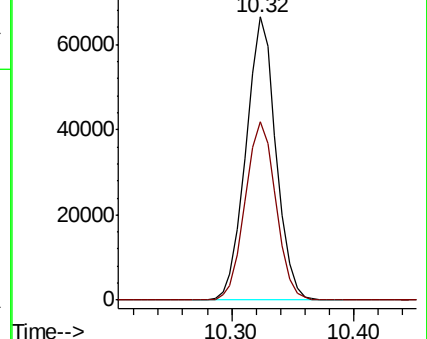
98 100

100 64.6 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: 40.832 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012431.D

Acq: 01 Sep 2019 06:13

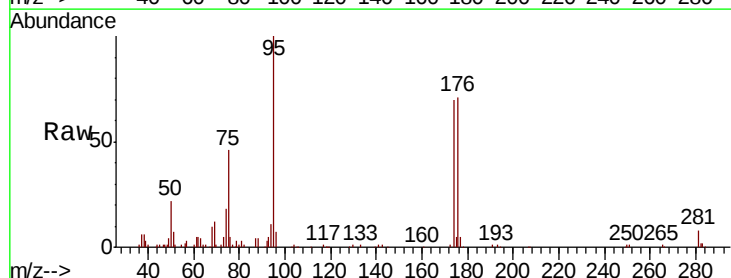
Tgt Ion: 95 Resp: 31846

Ion Ratio Lower Upper

95 100

174 78.8 0.0 150.8

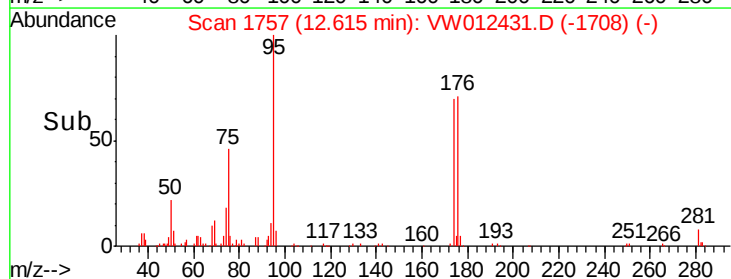
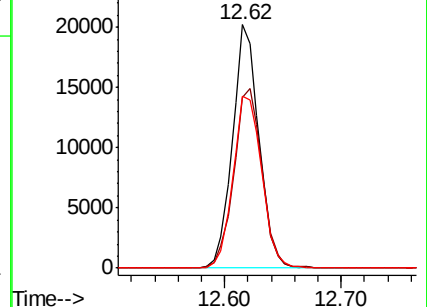
176 76.8 0.0 148.6

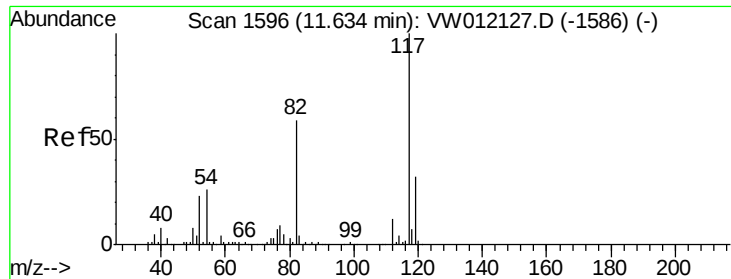


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

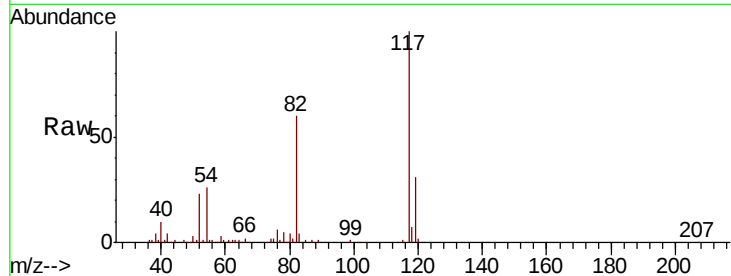




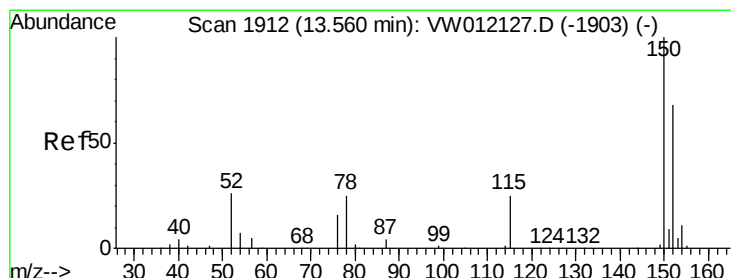
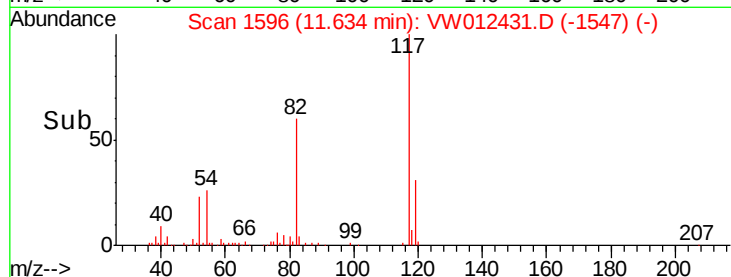
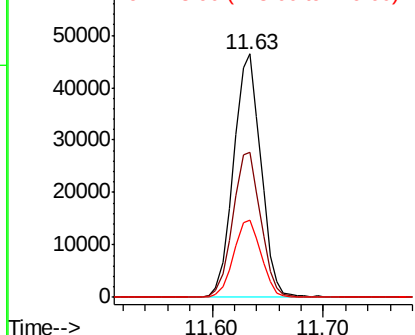
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012431.D
Acq: 01 Sep 2019 06:13

Instrument :
MSVOA_W
ClientSampleId :
T1-S-E-(2.5)

Tgt Ion:117 Resp: 78912
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 31.5 25.4 38.2

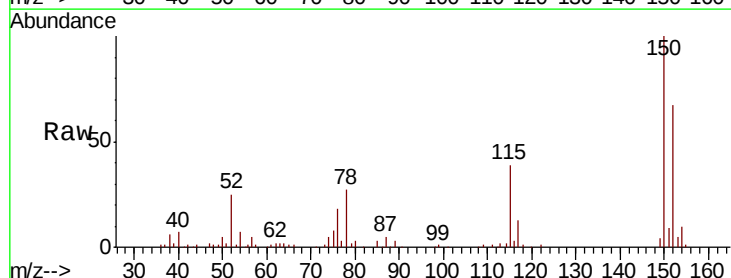


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

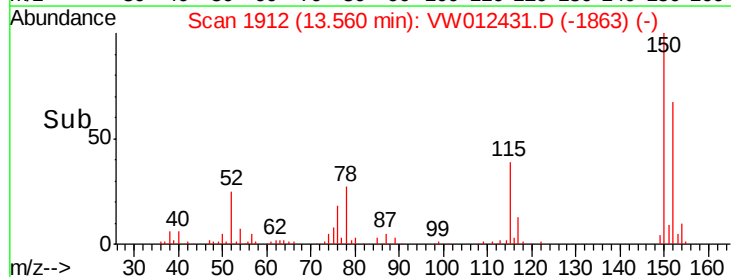
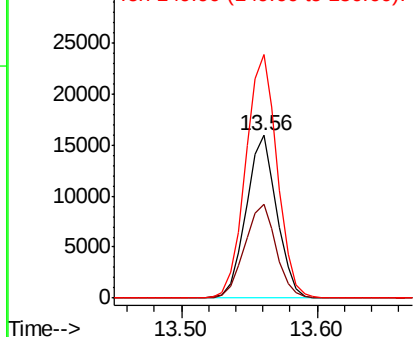


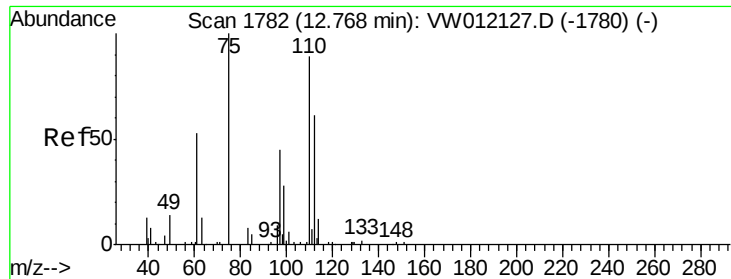
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012431.D
Acq: 01 Sep 2019 06:13

Tgt Ion:152 Resp: 25083
Ion Ratio Lower Upper
152 100
115 59.2 30.1 90.3
150 154.3 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: 71.693 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012431.D

Acq: 01 Sep 2019 06:13

Instrument :

MSVOA_W

ClientSampled :

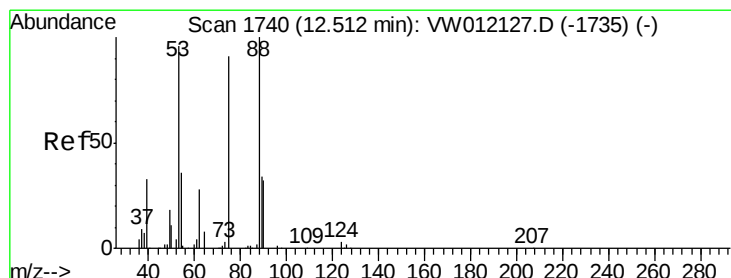
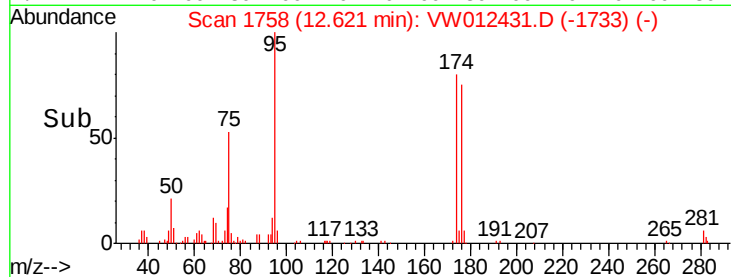
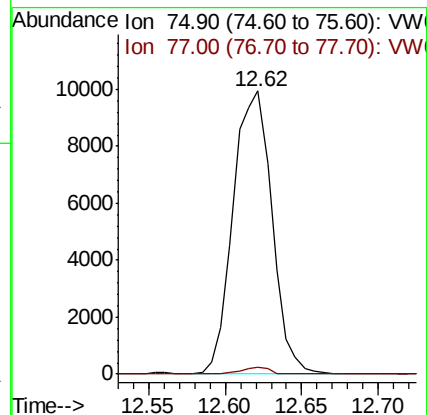
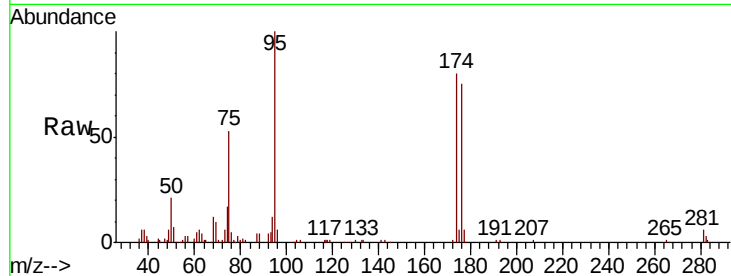
T1-S-E-(2.5)

Tgt Ion: 75 Resp: 17514

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 157.190 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012431.D

Acq: 01 Sep 2019 06:13

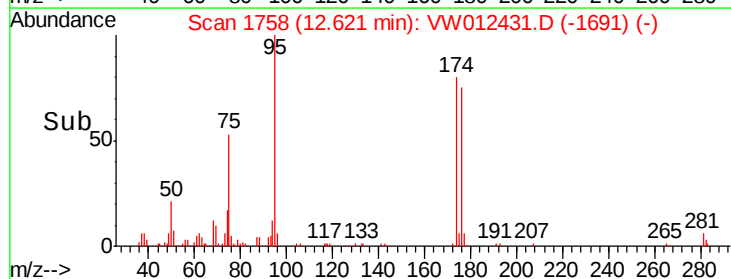
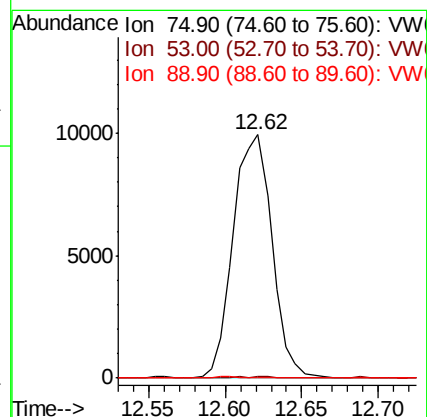
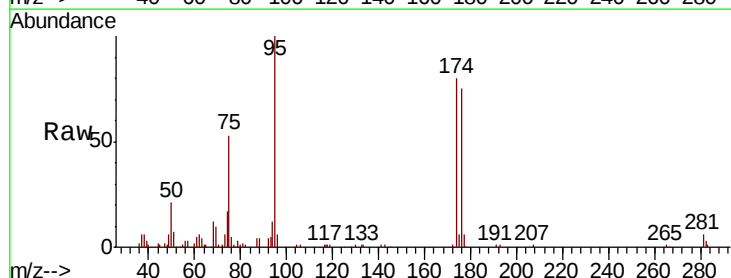
Tgt Ion: 75 Resp: 17514

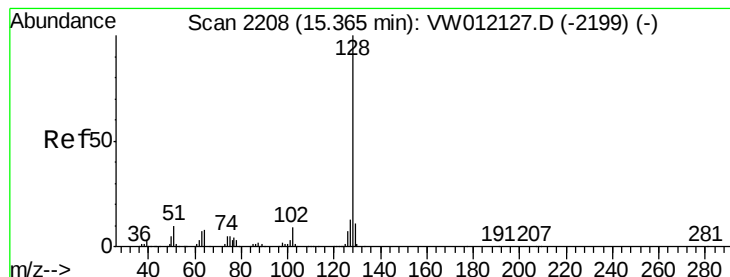
Ion Ratio Lower Upper

75 100

53 0.4 89.4 134.0#

89 0.2 34.5 51.7#





#95

Naphthalene

Concen: 4.353 ug/l

RT: 15.35 min Scan# 2205

Delta R.T. -0.02 min

Lab File: VW012431.D

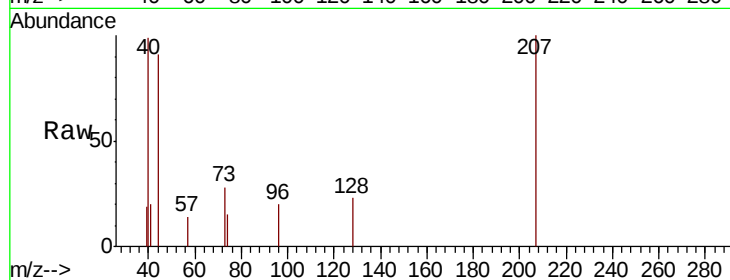
Acq: 01 Sep 2019 06:13

Instrument :

MSVOA_W

ClientSampleId :

T1-S-E-(2.5)



Tgt Ion:	128	Resp:	33
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

