

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012275.D
 Acq On : 29 Aug 2019 02:02
 Operator : SY/VA
 Sample : K4543-14
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-9-S2

Quant Time: Aug 29 06:52:39 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	263105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	436289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	363973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	146419	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	162987	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
35) Dibromofluoromethane	7.88	113	130519	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
50) Toluene-d8	10.32	98	531208	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.61	95	171164	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	

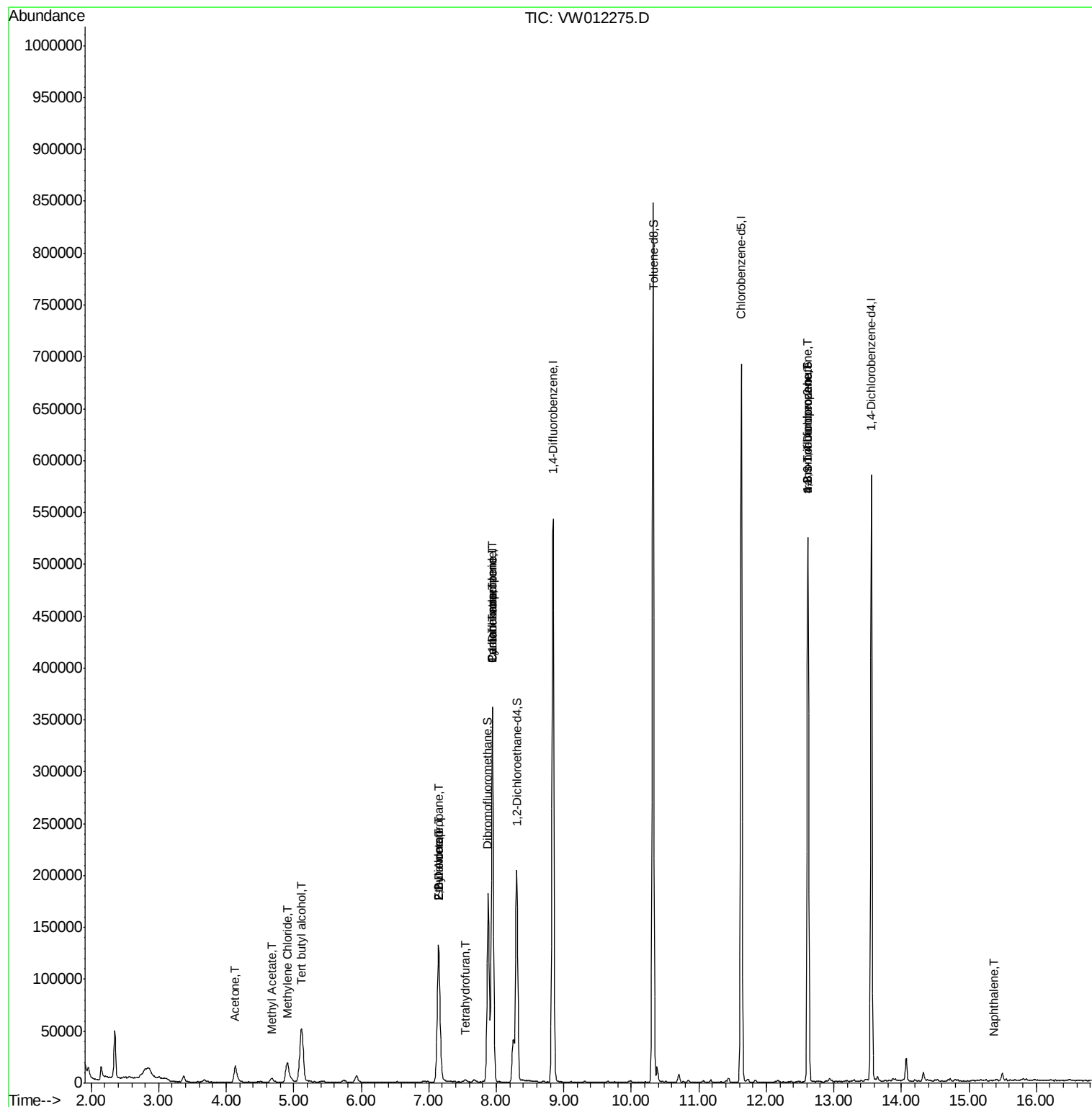
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	53107	282.151	ug/l #	76
16) Acetone	4.13	43	31260	39.099	ug/l	97
18) Methyl Acetate	4.67	43	8666	4.376	ug/l	93
20) Methylene Chloride	4.90	84	13112	4.338	ug/l	93
25) 2-Butanone	7.15	43	10519	9.682	ug/l #	80
26) 2,2-Dichloropropane	7.15	77	9292	2.883	ug/l #	54
29) Tetrahydrofuran	7.54	42	1741	2.671	ug/l	95
31) Cyclohexane	7.94	56	6549	1.162	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	22814	5.060	ug/l #	51
37) Ethyl Acetate	7.15	43	10519	4.258	ug/l #	23
38) Carbon Tetrachloride	7.95	117	26537	6.800	ug/l #	15
76) 1,2,3-Trichloropropane	12.61	75	90683	63.592	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	90683	139.427	ug/l #	6
95) Naphthalene	15.37	128	525	4.408	ug/l #	69

(#) = 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: VW012275.D

Acq: 29 Aug 2019 02:02

Instrument :

MSVOA_W

ClientSampleId :

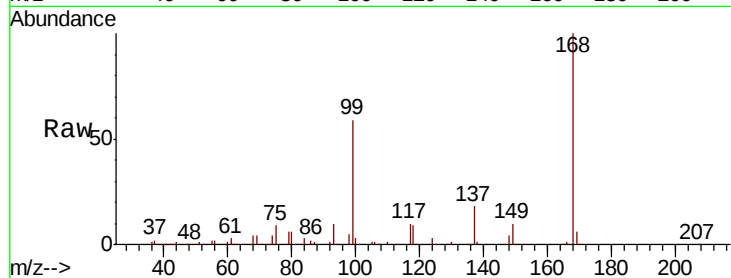
TP-9-S2

Tgt Ion:168 Resp: 263105

Ion Ratio Lower Upper

168 100

99 59.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

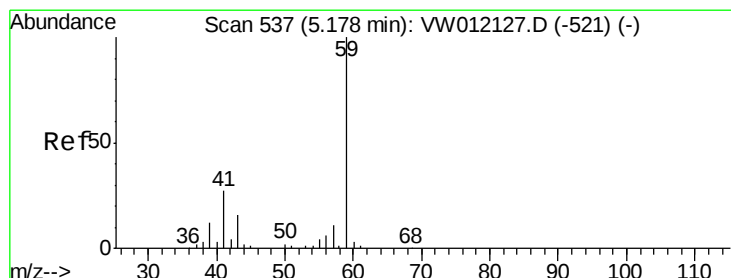
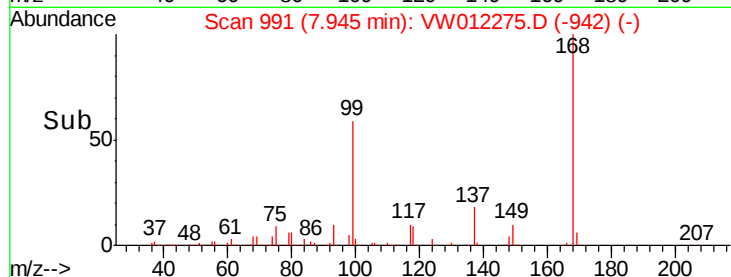
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 282.151 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.06 min

Lab File: VW012275.D

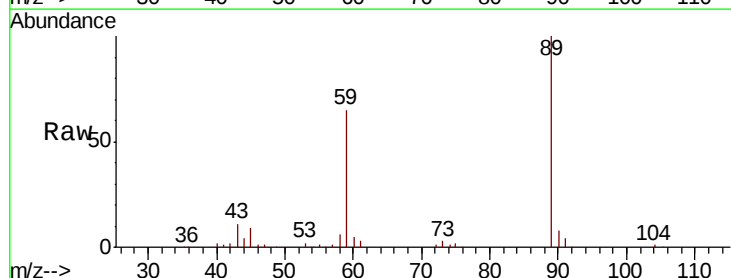
Acq: 29 Aug 2019 02:02

Tgt Ion: 59 Resp: 53107

Ion Ratio Lower Upper

59 100

57 1.9 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

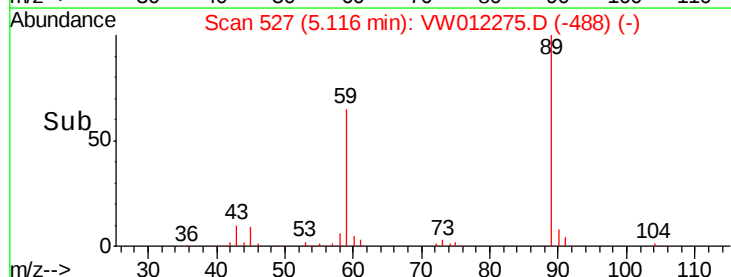
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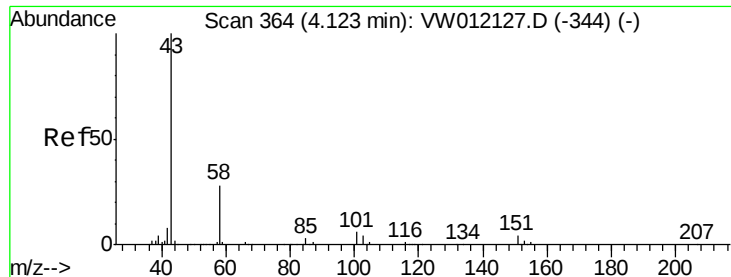
10000

5000

0

Time-->





#16

Acetone

Concen: 39.099 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012275.D

Acq: 29 Aug 2019 02:02

Instrument :

MSVOA_W

ClientSampleId :

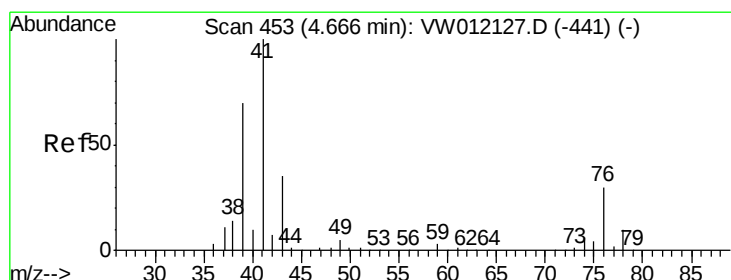
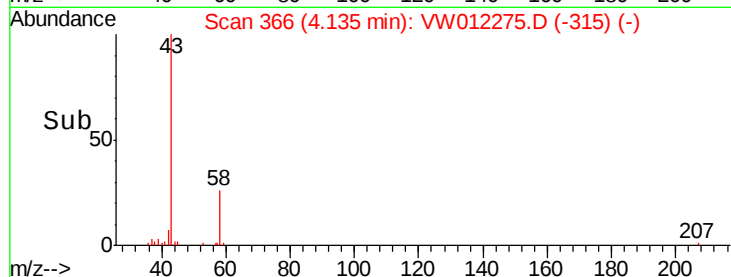
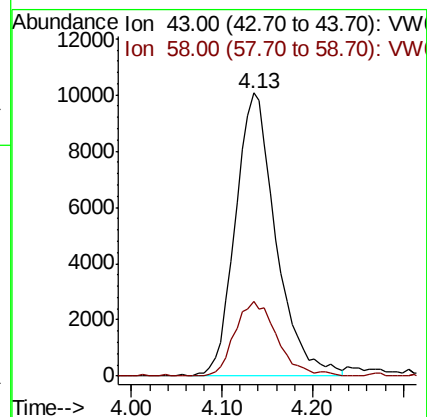
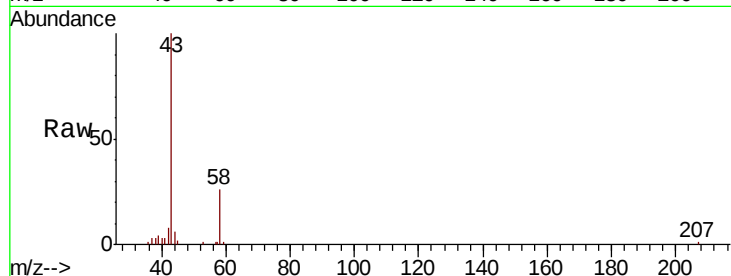
TP-9-S2

Tgt Ion: 43 Resp: 31260

Ion Ratio Lower Upper

43 100

58 26.2 22.4 33.6



#18

Methyl Acetate

Concen: 4.376 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012275.D

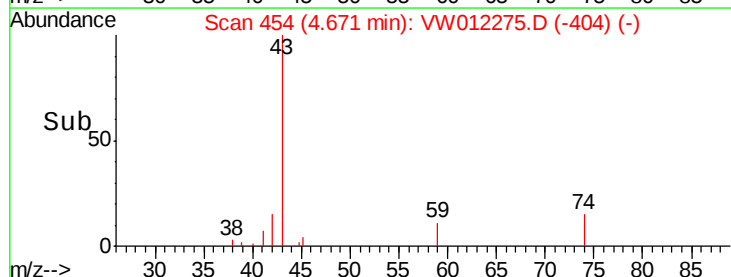
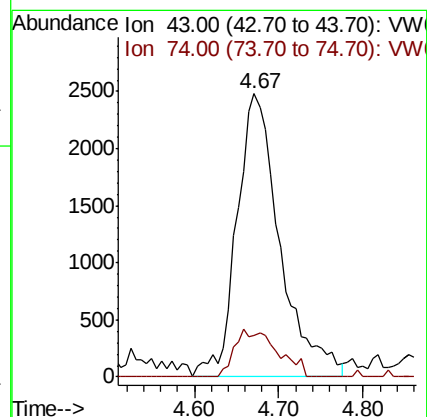
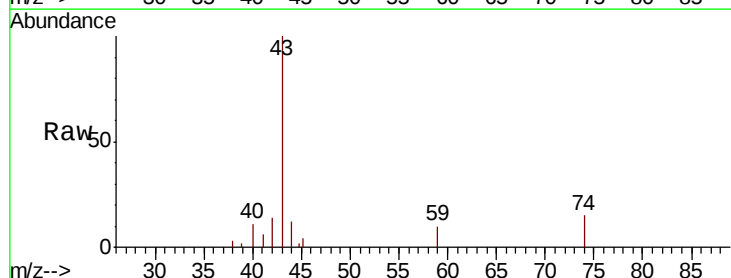
Acq: 29 Aug 2019 02:02

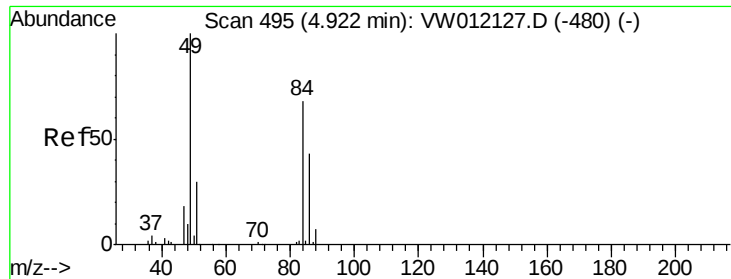
Tgt Ion: 43 Resp: 8666

Ion Ratio Lower Upper

43 100

74 16.5 15.7 23.5

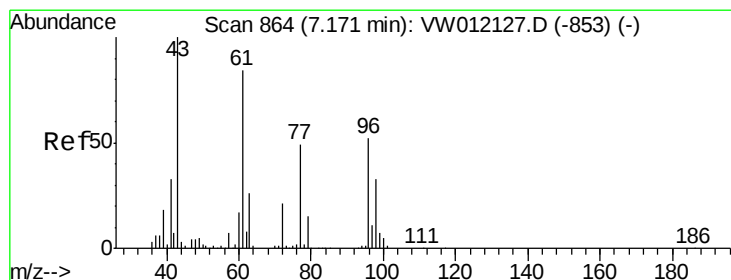
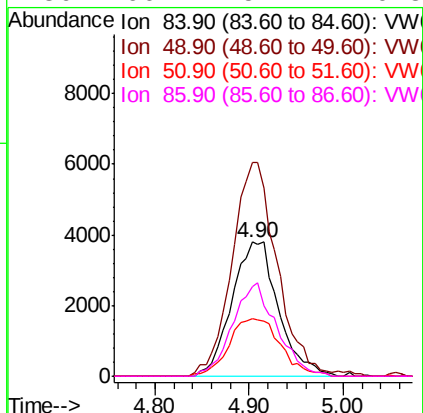
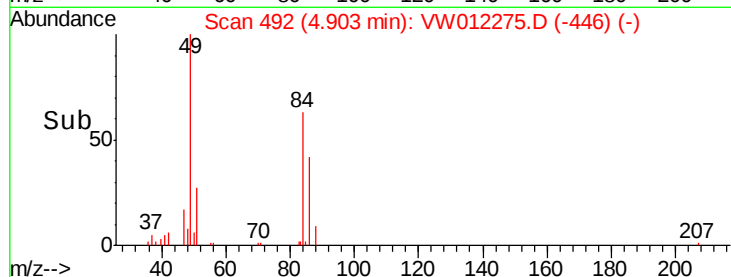
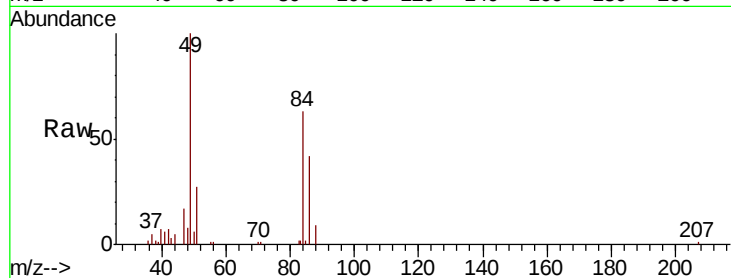




#20
Methylene Chloride
Concen: 4.338 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012275.D
Acq: 29 Aug 2019 02:02

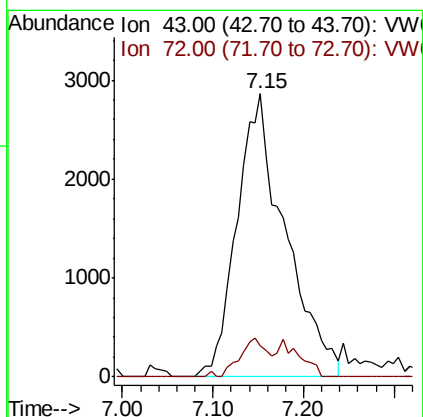
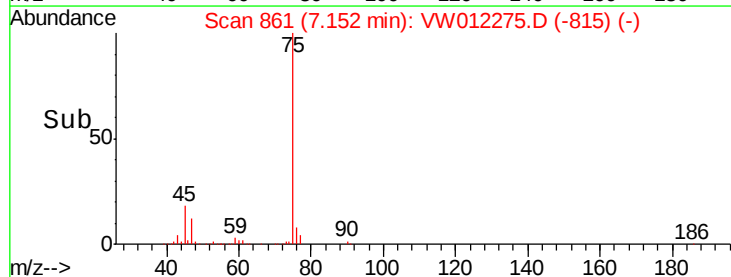
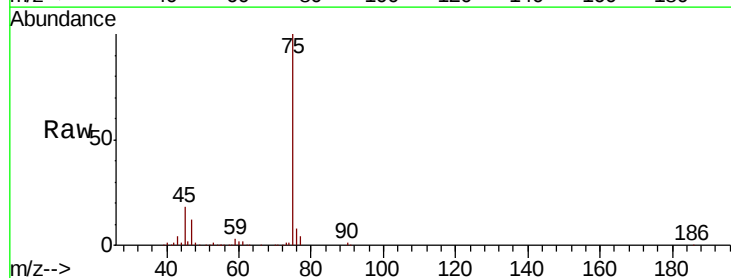
Instrument :
MSVOA_W
ClientSampleId :
TP-9-S2

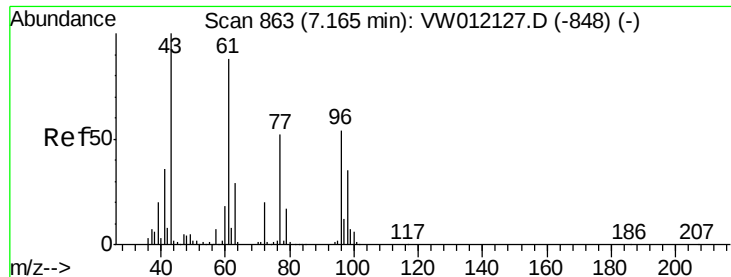
Tgt Ion: 84 Resp: 13112
Ion Ratio Lower Upper
84 100
49 159.2 117.8 176.8
51 43.1 35.6 53.4
86 66.7 51.2 76.8



#25
2-Butanone
Concen: 9.682 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW012275.D
Acq: 29 Aug 2019 02:02

Tgt Ion: 43 Resp: 10519
Ion Ratio Lower Upper
43 100
72 11.2 16.6 24.8#

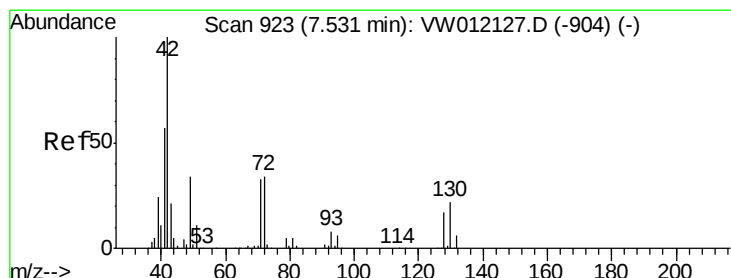
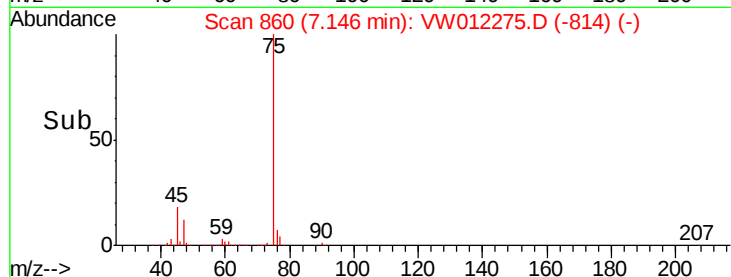
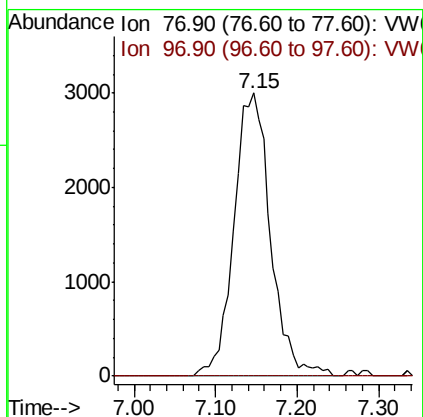
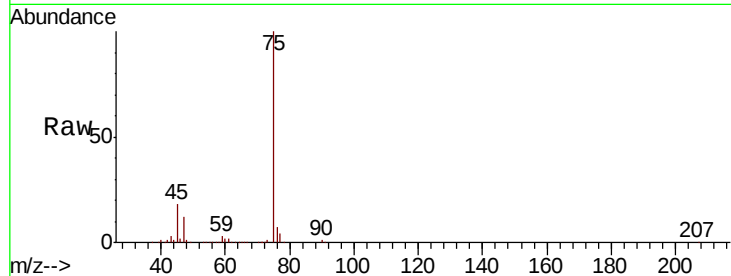




#26
 2,2-Dichloropropane
 Concen: 2.883 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW012275.D
 Acq: 29 Aug 2019 02:02

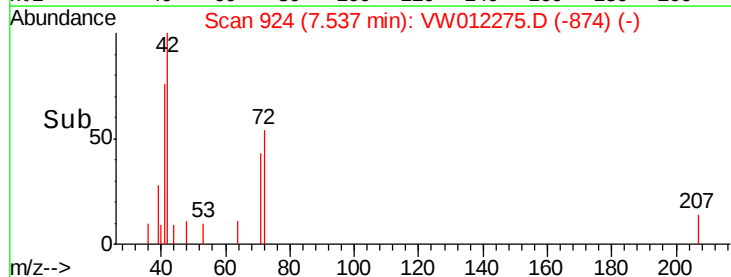
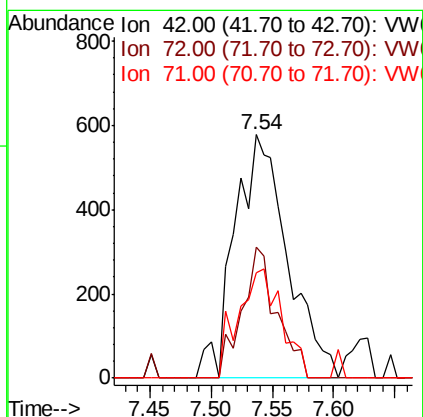
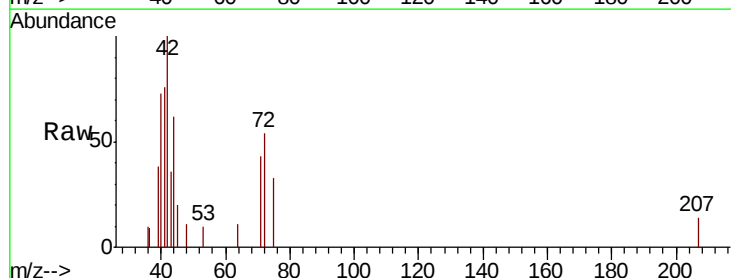
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-9-S2

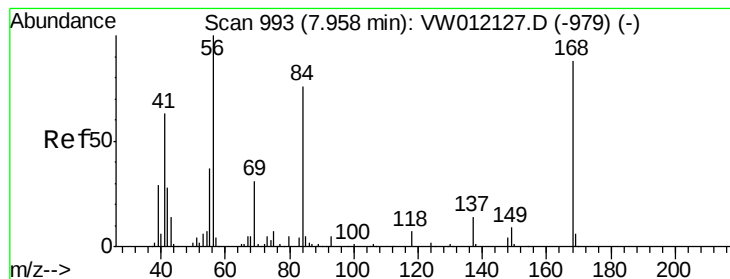
Tgt Ion: 77 Resp: 9292
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.1 33.1#



#29
 Tetrahydrofuran
 Concen: 2.671 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW012275.D
 Acq: 29 Aug 2019 02:02

Tgt Ion: 42 Resp: 1741
 Ion Ratio Lower Upper
 42 100
 72 35.3 27.3 40.9
 71 36.5 25.5 38.3





#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012275.D

Acq: 29 Aug 2019 02:02

Instrument :

MSVOA_W

ClientSampleId :

TP-9-S2

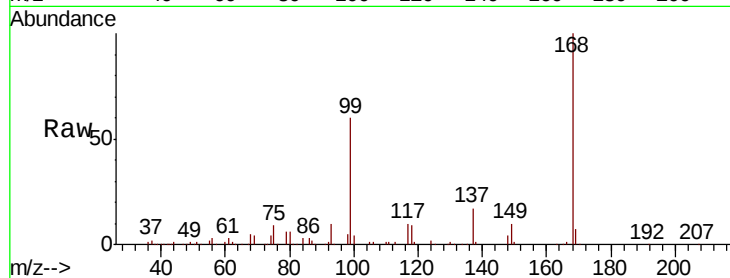
Tgt Ion: 56 Resp: 6549

Ion Ratio Lower Upper

56 100

69 153.9 24.9 37.3#

84 109.5 60.6 90.8#

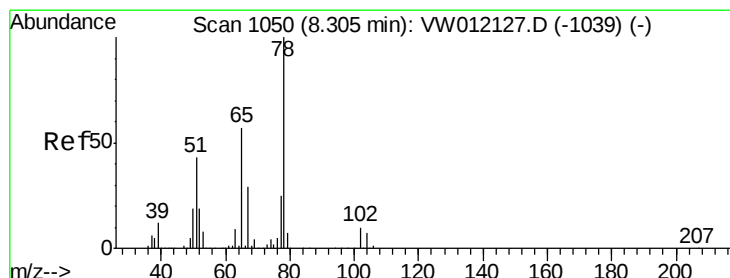
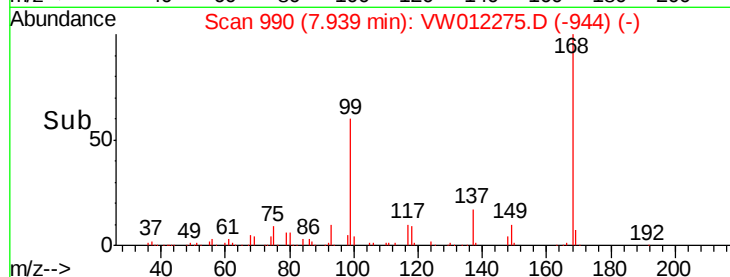
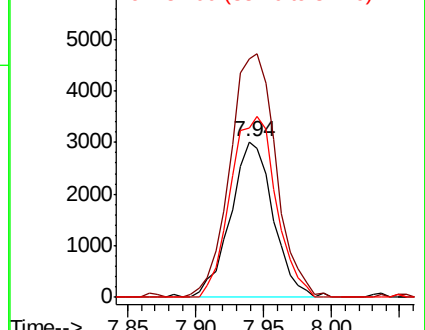


Abundance

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: 52.111 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012275.D

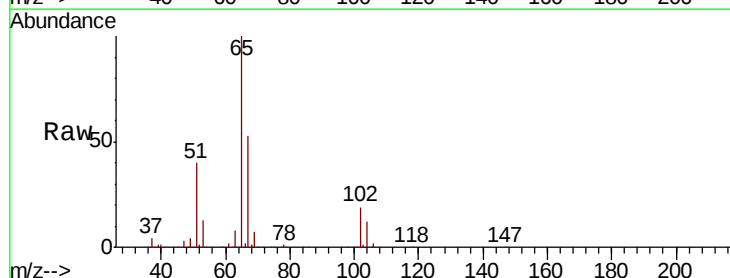
Acq: 29 Aug 2019 02:02

Tgt Ion: 65 Resp: 162987

Ion Ratio Lower Upper

65 100

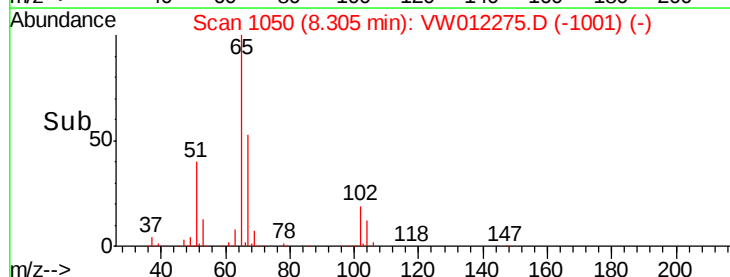
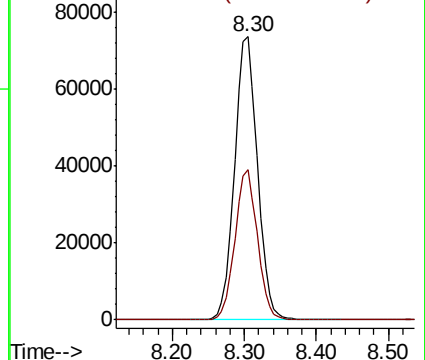
67 51.9 0.0 102.6

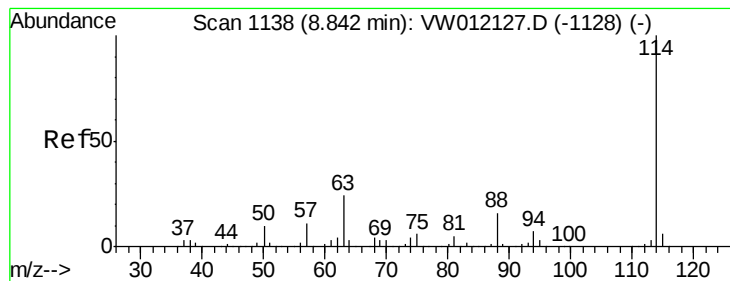


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012275.D

Acq: 29 Aug 2019 02:02

Instrument :

MSVOA_W

ClientSampleId :

TP-9-S2

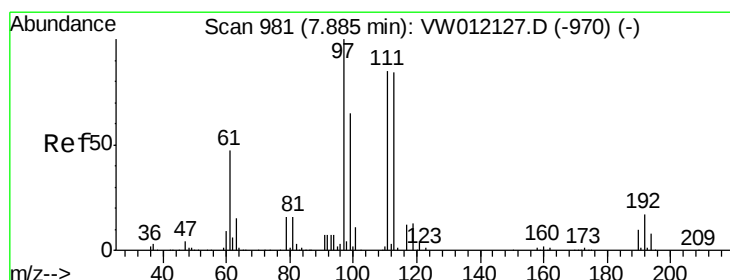
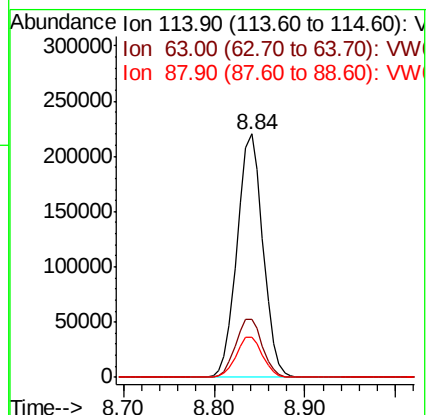
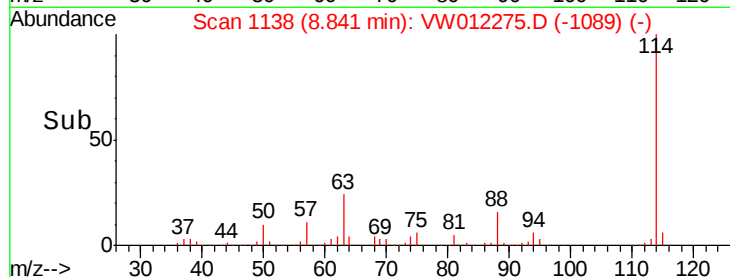
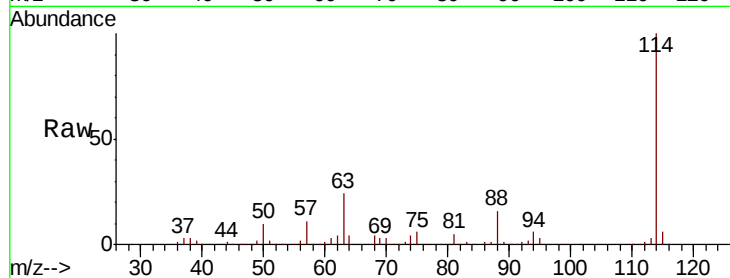
Tgt Ion:114 Resp: 436289

Ion Ratio Lower Upper

114 100

63 24.1 0.0 48.6

88 16.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 50.118 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012275.D

Acq: 29 Aug 2019 02:02

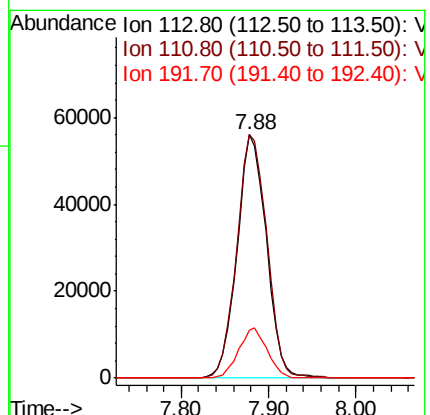
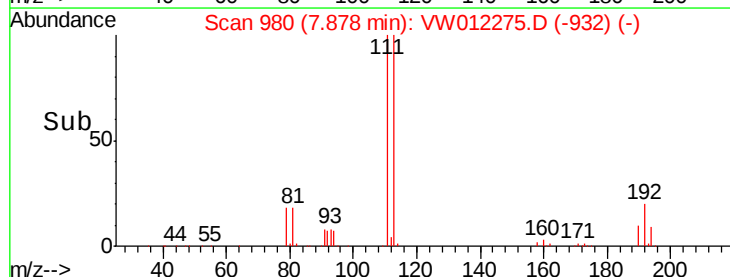
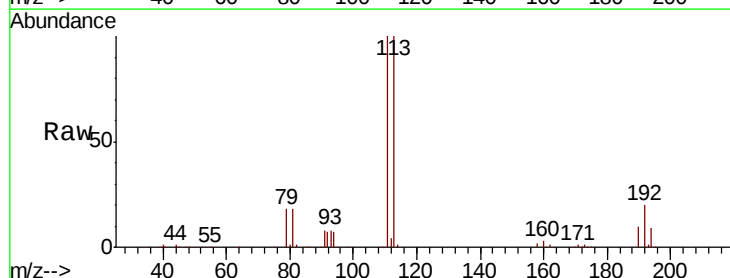
Tgt Ion:113 Resp: 130519

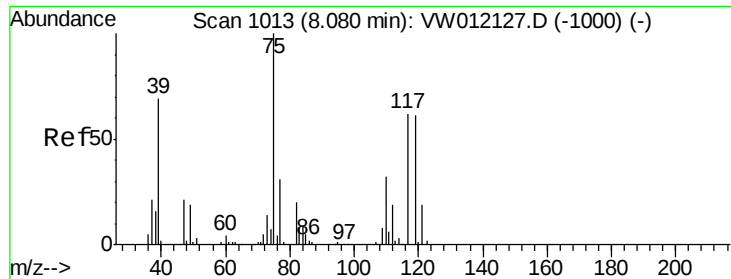
Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

192 20.1 16.2 24.2

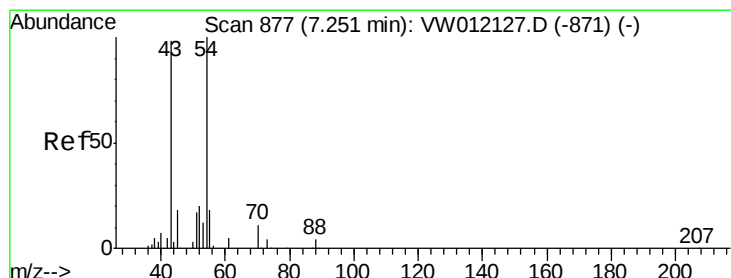
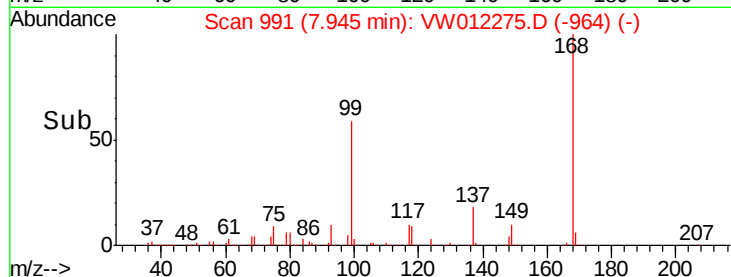
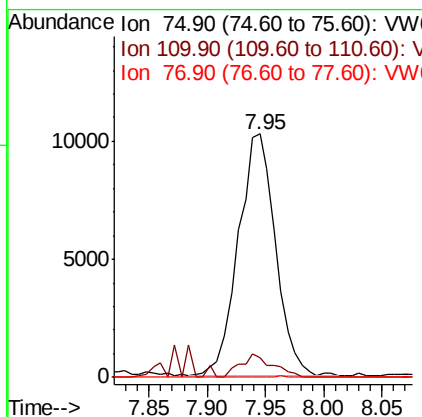
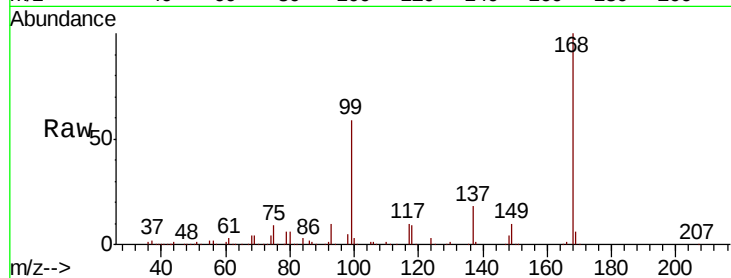




#36
 1,1-Dichloropropene
 Concen: 5.060 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012275.D
 Acq: 29 Aug 2019 02:02

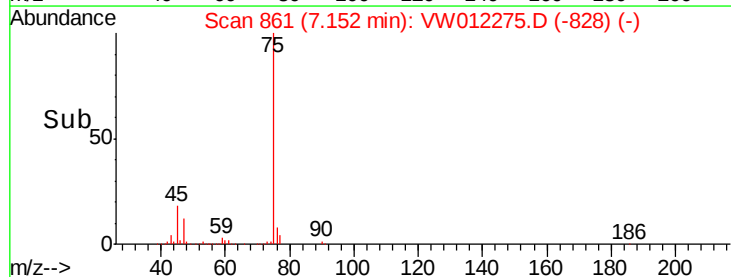
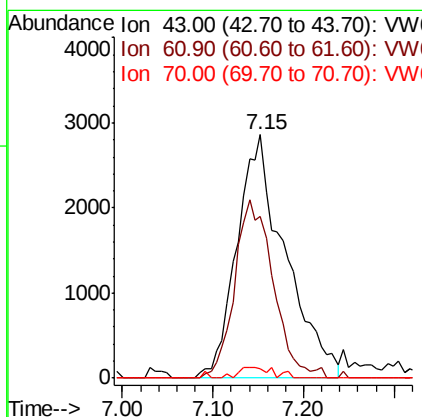
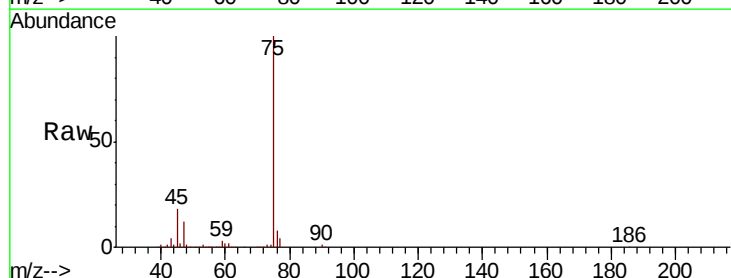
Instrument :
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 TP-9-S2

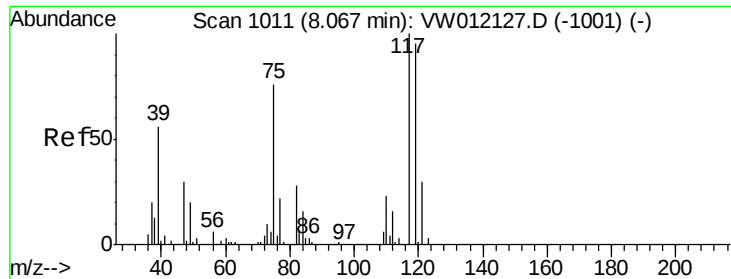
Tgt Ion: 75 Resp: 22814
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.6 46.8#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 4.258 ug/l
 RT: 7.15 min Scan# 861
 Delta R.T. -0.10 min
 Lab File: VW012275.D
 Acq: 29 Aug 2019 02:02

Tgt Ion: 43 Resp: 10519
 Ion Ratio Lower Upper
 43 100
 61 58.8 9.2 13.8#
 70 2.7 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 6.800 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012275.D

Acq: 29 Aug 2019 02:02

Instrument :

MSVOA_W

ClientSampleId :

TP-9-S2

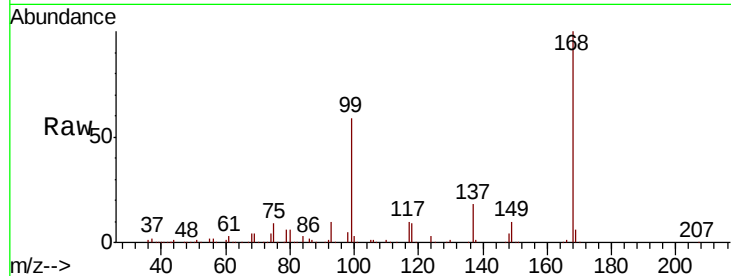
Tgt Ion:117 Resp: 26537

Ion Ratio Lower Upper

117 100

119 4.0 76.2 114.2#

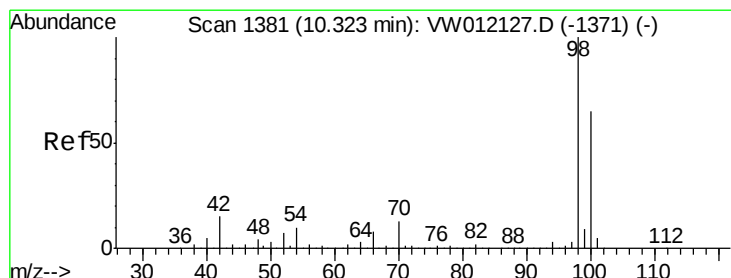
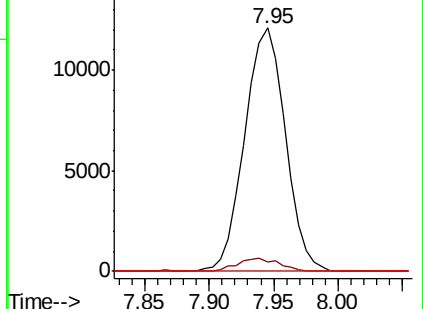
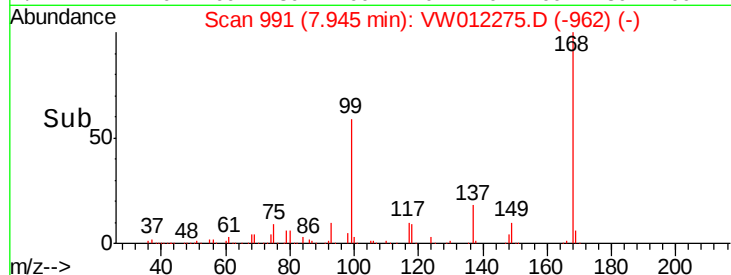
121 0.0 23.8 35.8#



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



#50

Toluene-d8

Concen: 50.307 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012275.D

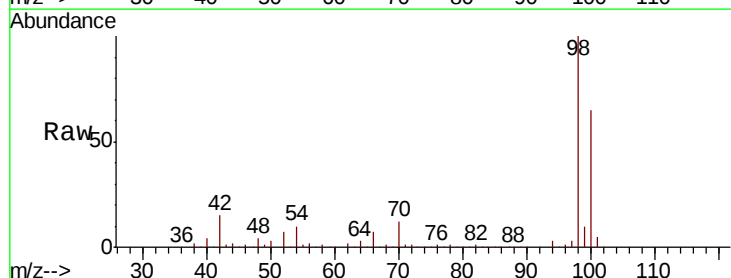
Acq: 29 Aug 2019 02:02

Tgt Ion: 98 Resp: 531208

Ion Ratio Lower Upper

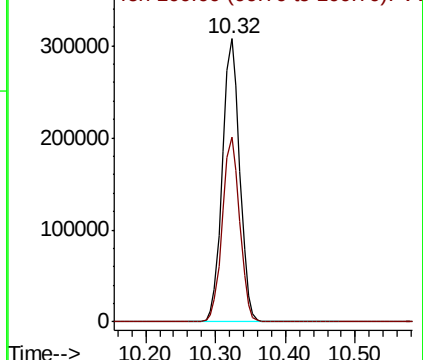
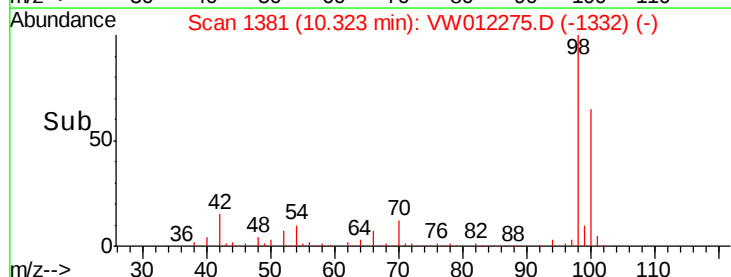
98 100

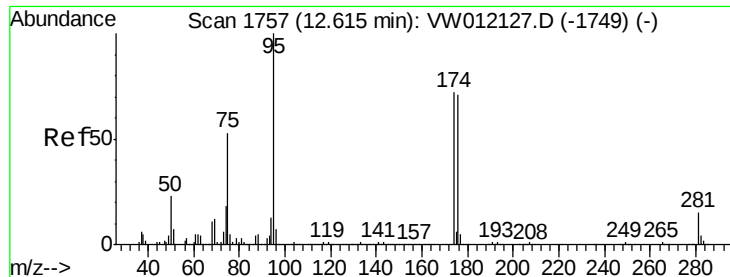
100 65.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

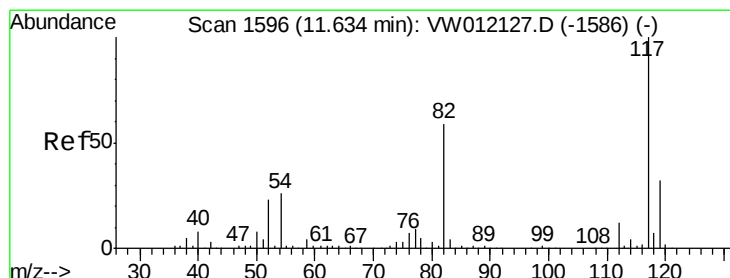
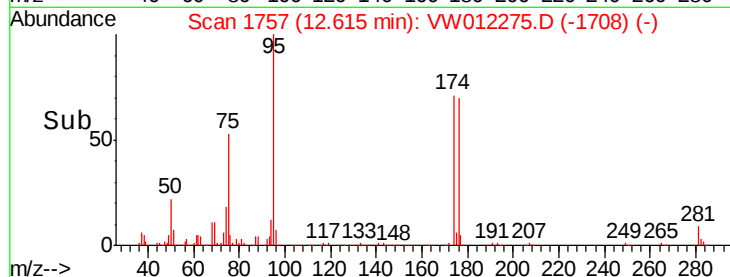
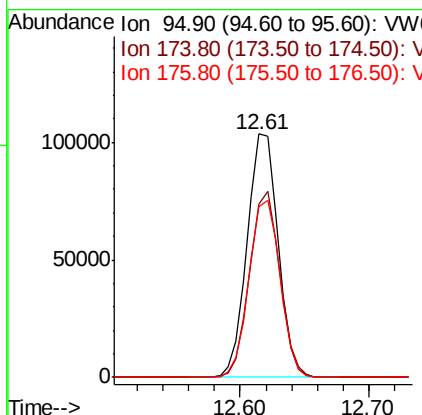
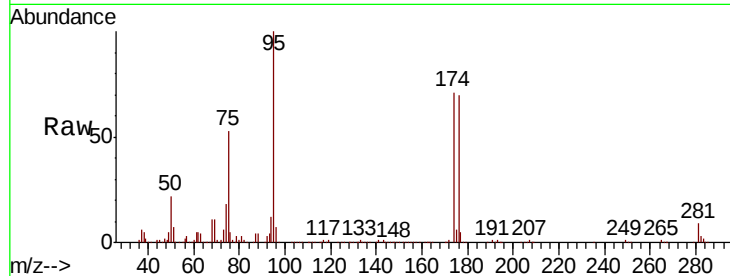




#62
4-Bromofluorobenzene
Concen: 45.985 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012275.D
Acq: 29 Aug 2019 02:02

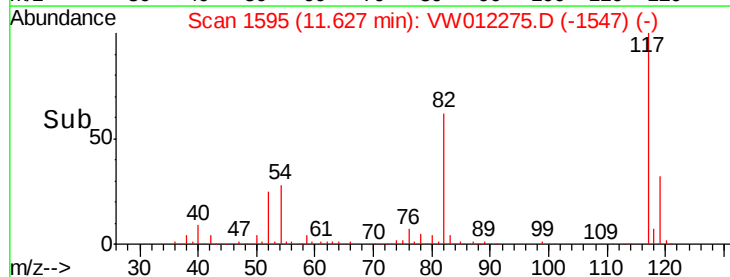
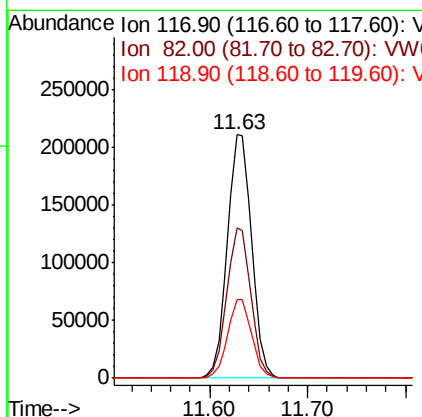
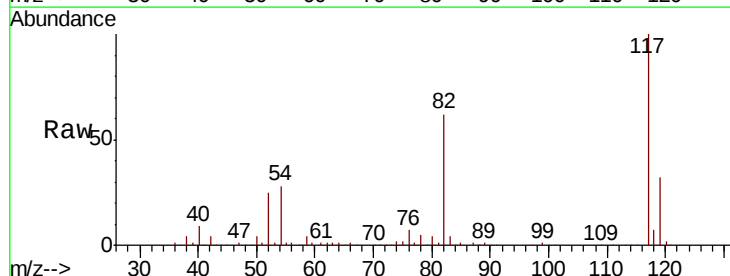
Instrument :
MSVOA_W
ClientSampleId :
TP-9-S2

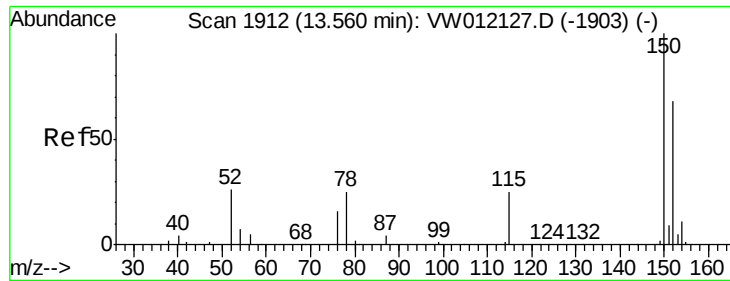
Tgt Ion: 95 Resp: 171164
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.8
176 72.9 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012275.D
Acq: 29 Aug 2019 02:02

Tgt Ion: 117 Resp: 363973
Ion Ratio Lower Upper
117 100
82 61.7 47.4 71.2
119 32.1 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: VW012275.D

Acq: 29 Aug 2019 02:02

Instrument :

MSVOA_W

ClientSampleId :

TP-9-S2

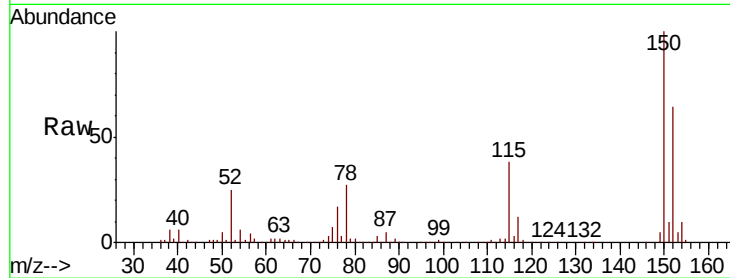
Tgt Ion:152 Resp: 146419

Ion Ratio Lower Upper

152 100

115 61.1 30.1 90.3

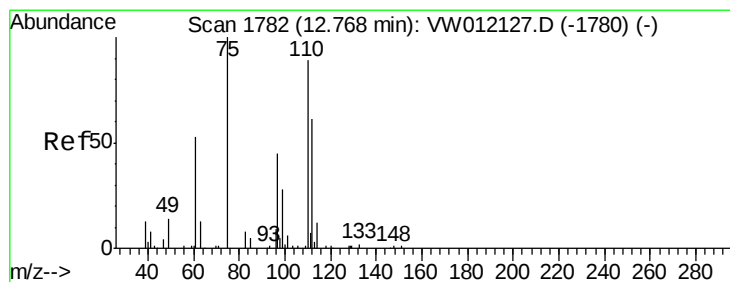
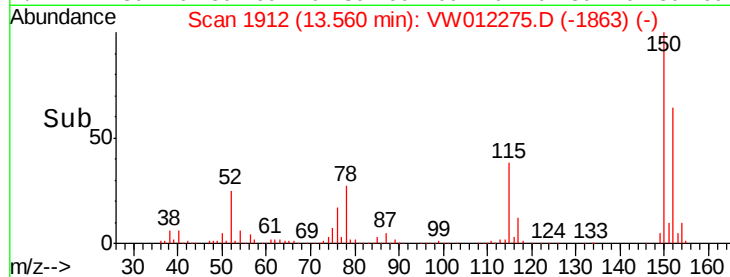
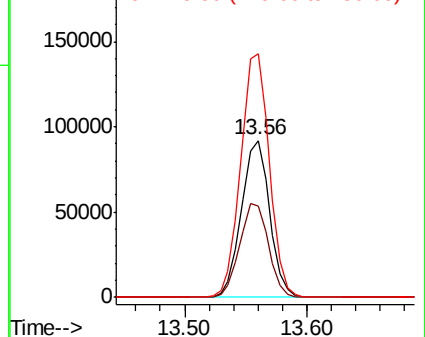
150 158.1 0.0 345.8



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: 63.592 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012275.D

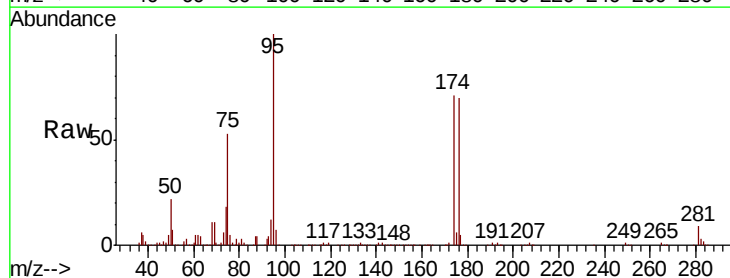
Acq: 29 Aug 2019 02:02

Tgt Ion: 75 Resp: 90683

Ion Ratio Lower Upper

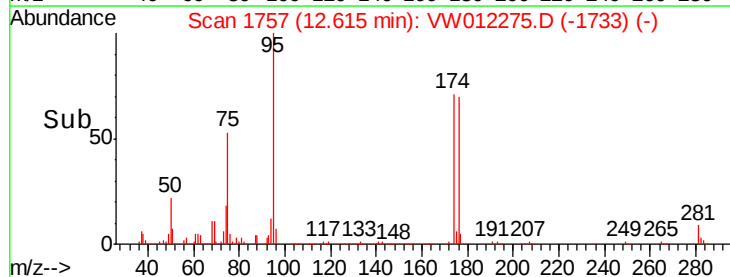
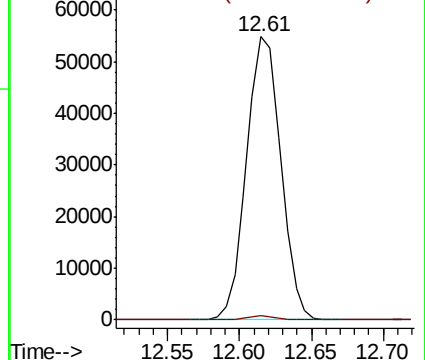
75 100

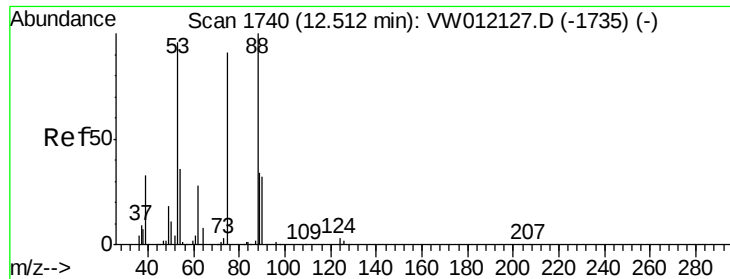
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

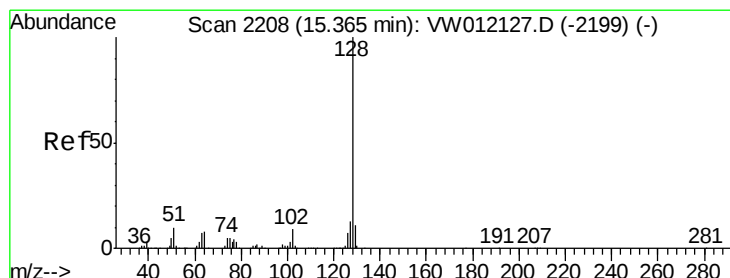
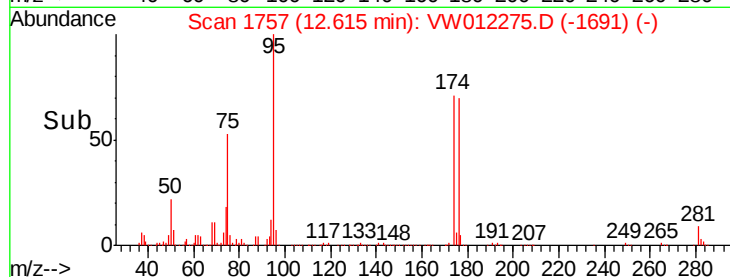
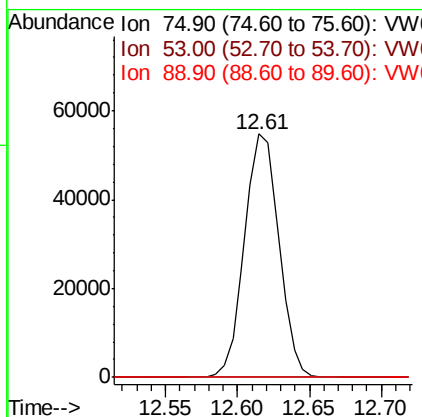
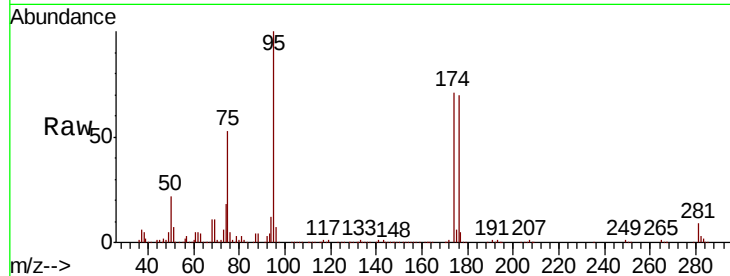




#81
trans-1,4-Dichloro-2-butene
Concen: 139.427 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012275.D
Acq: 29 Aug 2019 02:02

Instrument :
MSVOA_W
ClientSampleId :
TP-9-S2

Tgt Ion: 75 Resp: 90683
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.408 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012275.D
Acq: 29 Aug 2019 02:02

Tgt Ion: 128 Resp: 525
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

