

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012284.D
 Acq On : 29 Aug 2019 05:54
 Operator : SY/VA
 Sample : K4536-02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1-15-17

Quant Time: Aug 29 06:55:25 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	258618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	420790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121034	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	159143	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
35) Dibromofluoromethane	7.88	113	124568	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.32	98	517148	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.62	95	155483	43.31	ug/l	0.00
Spiked Amount			Recovery	=	86.62%	

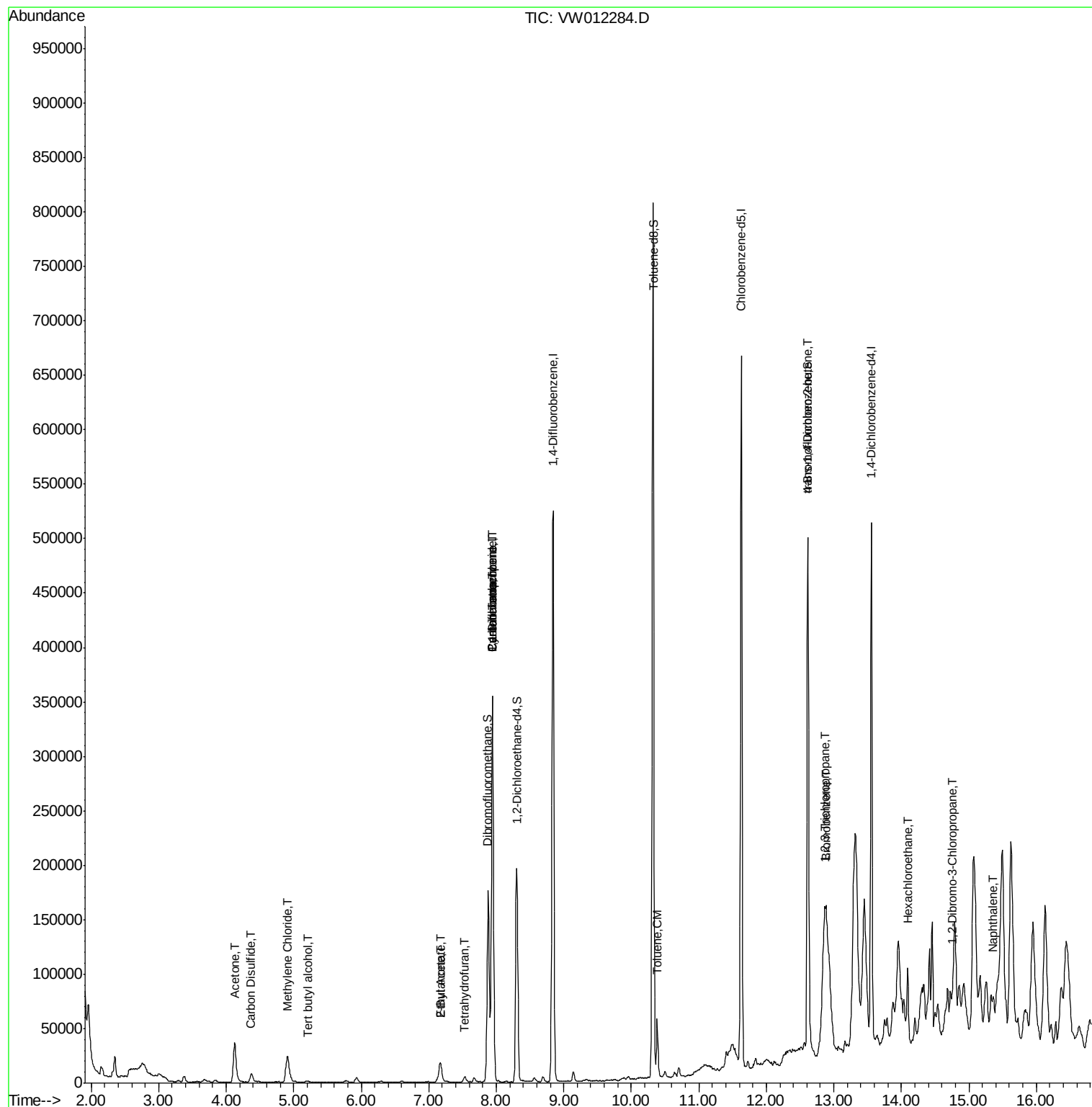
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	1754	9.480	ug/l #	78
16) Acetone	4.12	43	70556	89.781	ug/l	99
17) Carbon Disulfide	4.37	76	17739	2.263	ug/l	100
20) Methylene Chloride	4.91	84	16812	5.659	ug/l	93
25) 2-Butanone	7.17	43	29560	27.681	ug/l	99
29) Tetrahydrofuran	7.54	42	4495	7.016	ug/l #	84
31) Cyclohexane	7.95	56	6858	1.238	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21843	5.023	ug/l #	52
37) Ethyl Acetate	7.17	43	29560	12.405	ug/l #	73
38) Carbon Tetrachloride	7.95	117	25607	6.804	ug/l #	17
52) Toluene	10.38	92	22359	3.135	ug/l	97
76) 1,2,3-Trichloropropane	12.87	75	5075	4.305	ug/l #	100
77) Bromobenzene	12.88	156	216564	110.377	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	82381	153.228	ug/l #	6
90) Hexachloroethane	14.10	117	3152	2.187	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.75	75	378	1.349	ug/l	81
95) Naphthalene	15.36	128	19910	8.305	ug/l #	95

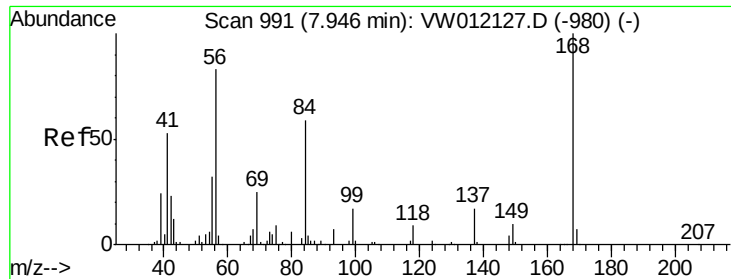
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
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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: VW012284.D

Acq: 29 Aug 2019 05:54

Instrument :

MSVOA_W

ClientSampleId :

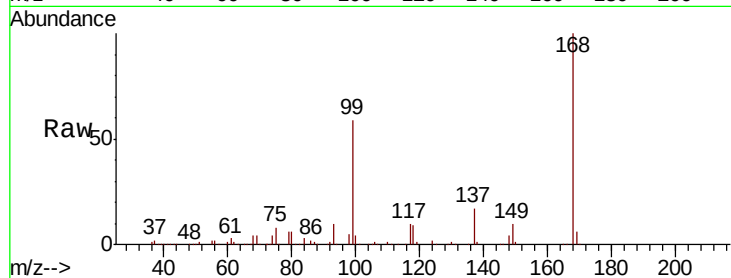
SB-1-15-17

Tgt Ion: 168 Resp: 258618

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

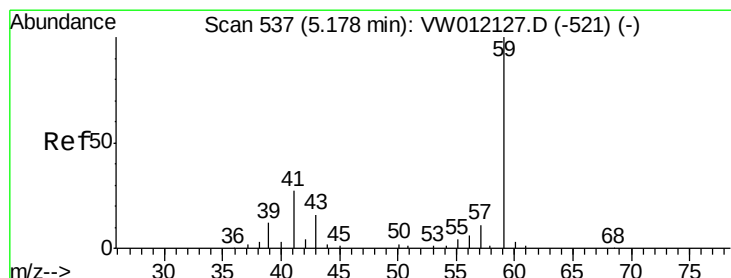
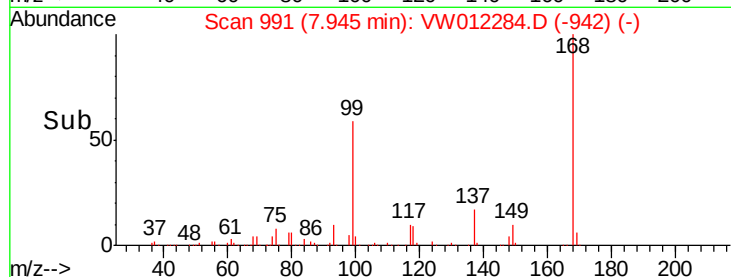
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 9.480 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.02 min

Lab File: VW012284.D

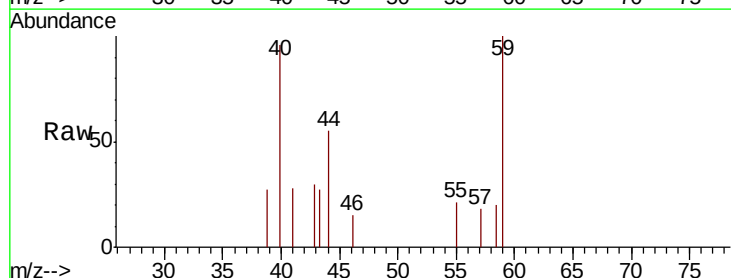
Acq: 29 Aug 2019 05:54

Tgt Ion: 59 Resp: 1754

Ion Ratio Lower Upper

59 100

57 2.6 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

400

300

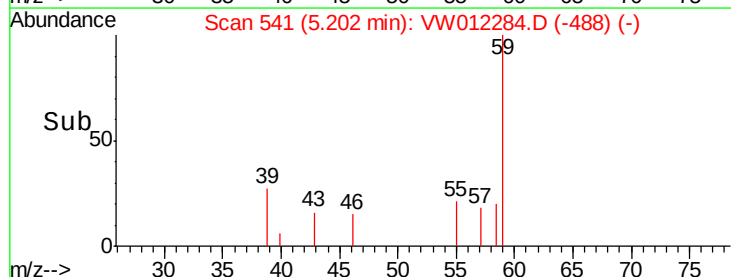
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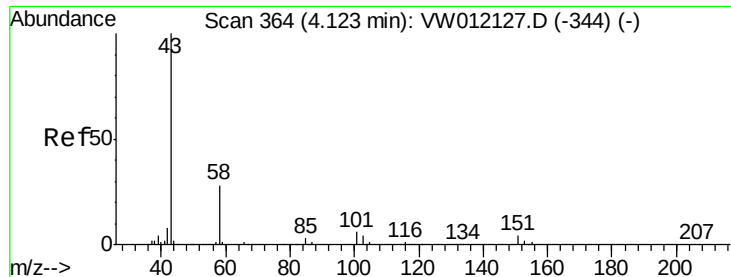
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0

Time-->

5.10 5.20 5.30

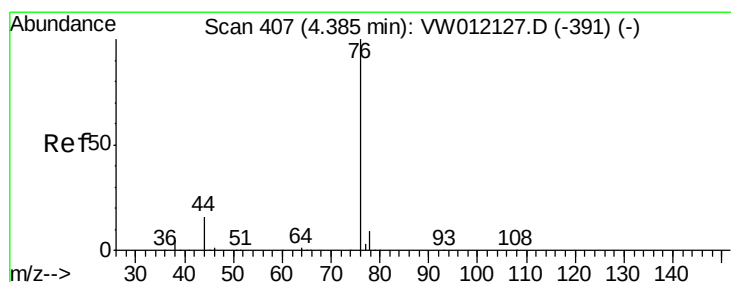
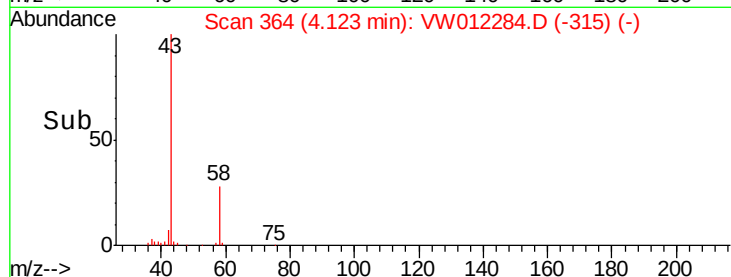
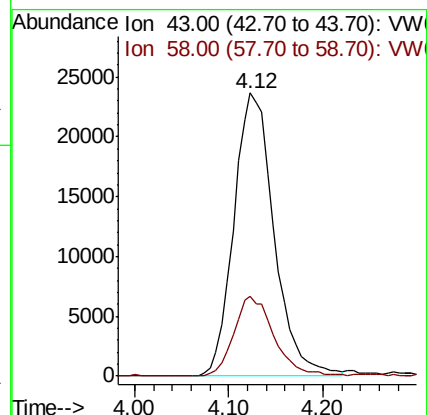
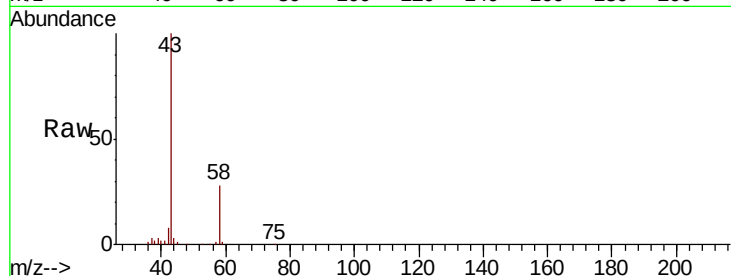




#16
Acetone
Concen: 89.781 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012284.D
Acq: 29 Aug 2019 05:54

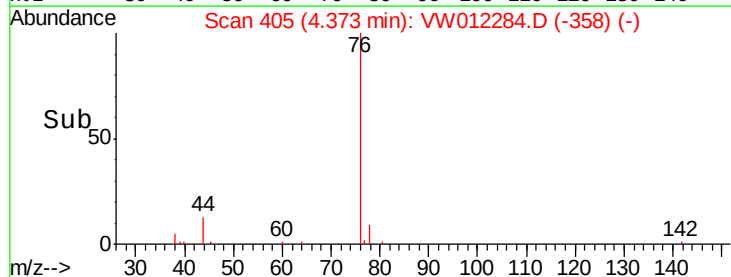
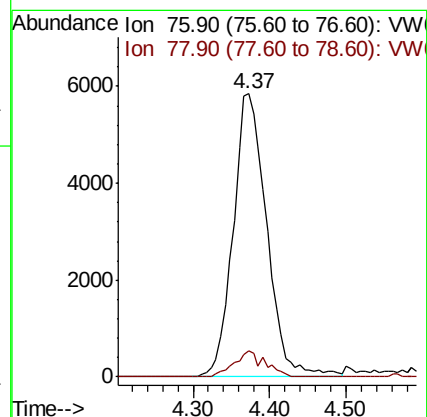
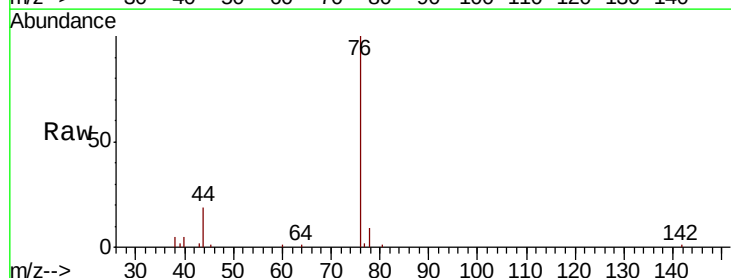
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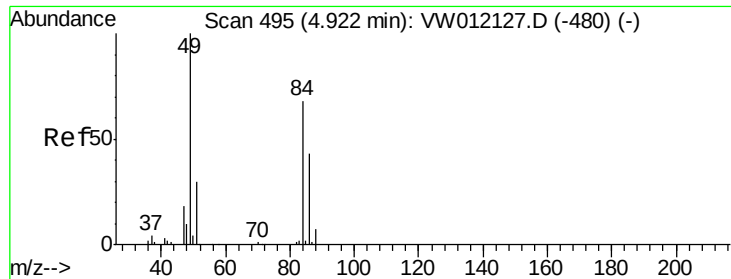
Tgt Ion: 43 Resp: 70556
Ion Ratio Lower Upper
43 100
58 28.3 22.4 33.6



#17
Carbon Disulfide
Concen: 2.263 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012284.D
Acq: 29 Aug 2019 05:54

Tgt Ion: 76 Resp: 17739
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

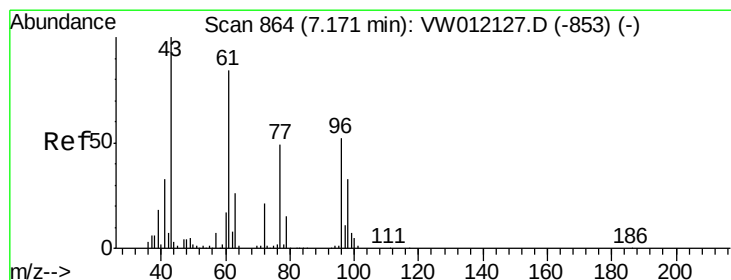
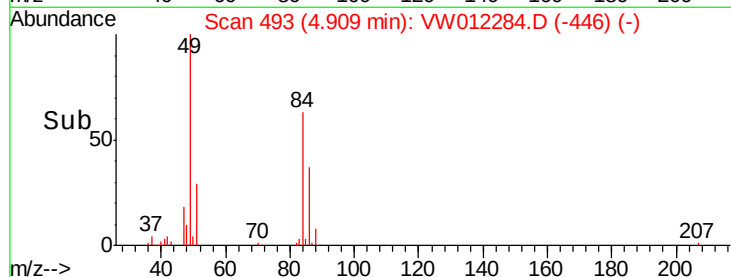
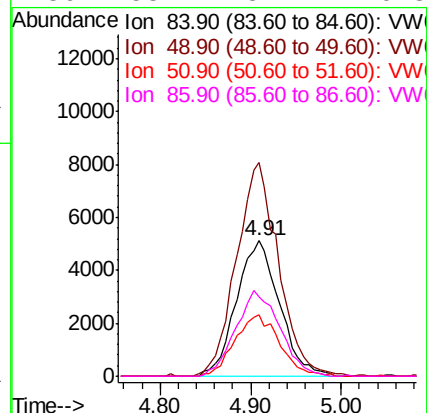
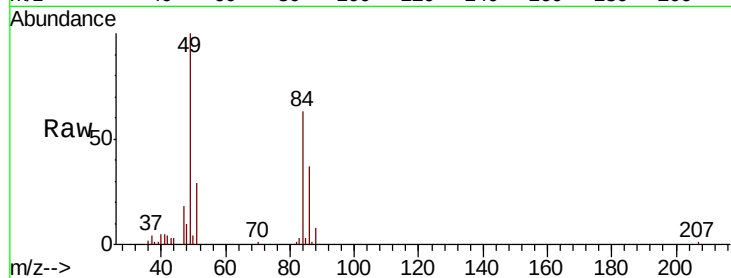




#20
Methylene Chloride
Concen: 5.659 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012284.D
Acq: 29 Aug 2019 05:54

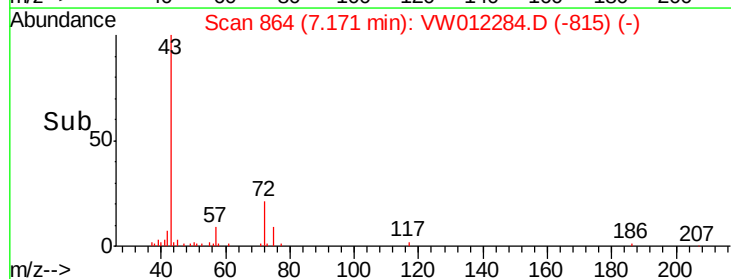
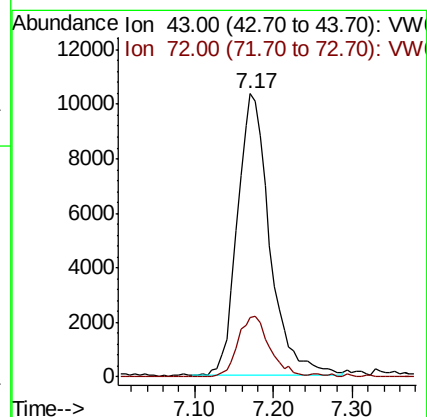
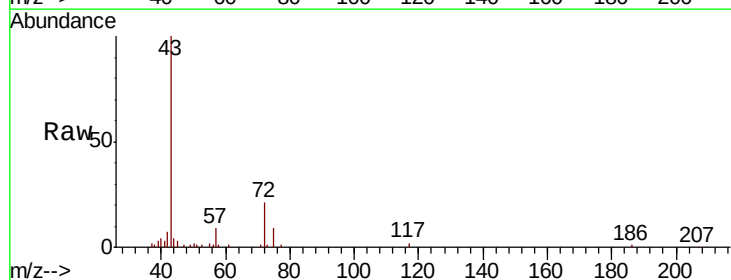
Instrument :
MSVOA_W
ClientSampleId :
SB-1-15-17

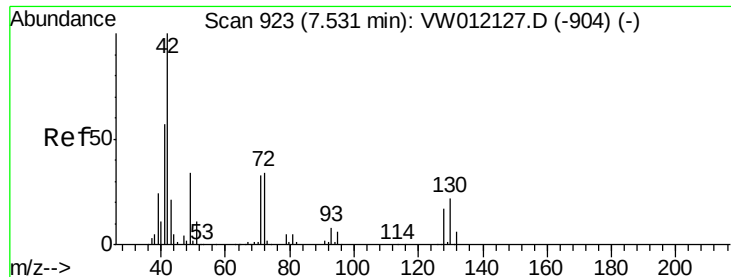
Tgt Ion:	84	Resp:	16812
Ion	Ratio	Lower	Upper
84	100		
49	157.8	117.8	176.8
51	45.8	35.6	53.4
86	58.4	51.2	76.8



#25
2-Butanone
Concen: 27.681 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012284.D
Acq: 29 Aug 2019 05:54

Tgt Ion:	43	Resp:	29560
Ion	Ratio	Lower	Upper
43	100		
72	21.1	16.6	24.8

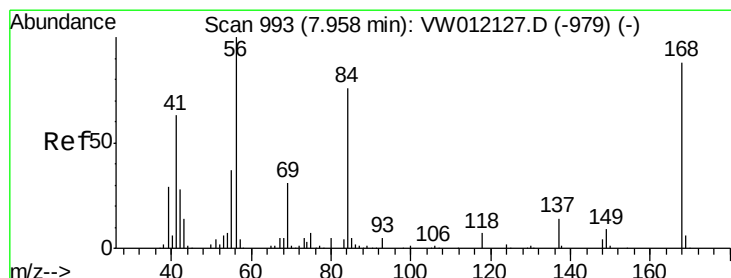
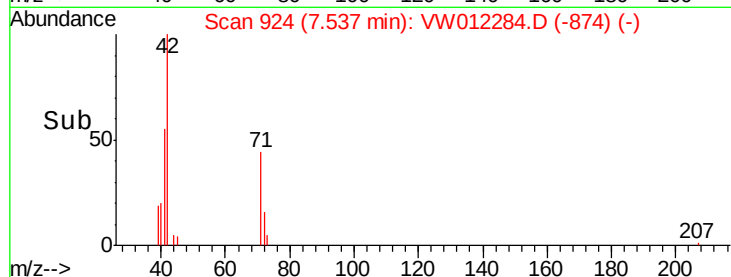
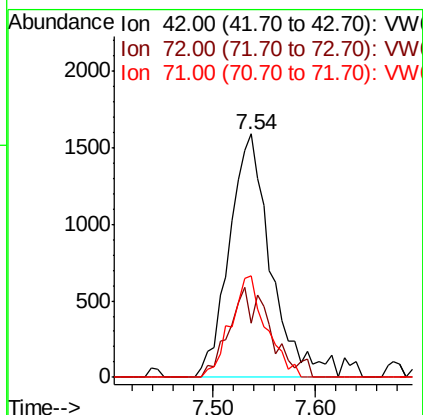
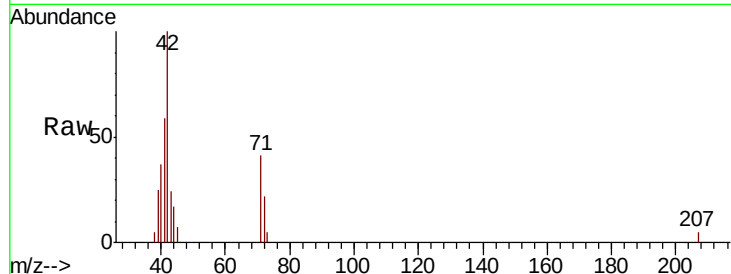




#29
Tetrahydrofuran
Concen: 7.016 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012284.D
Acq: 29 Aug 2019 05:54

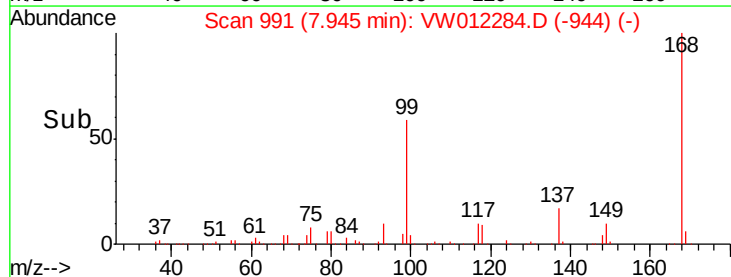
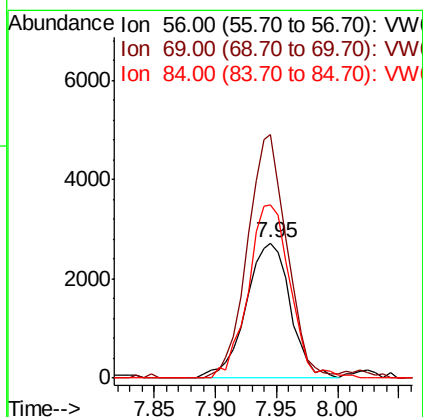
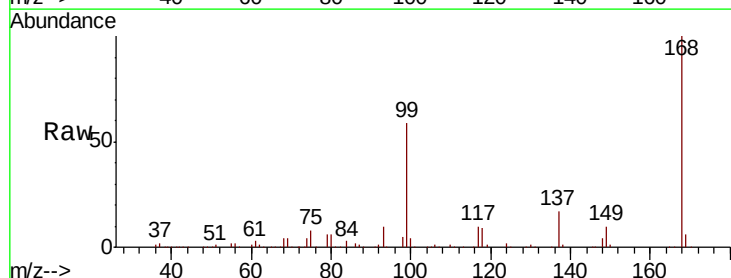
Instrument :
MSVOA_W
ClientSampleId :
SB-1-15-17

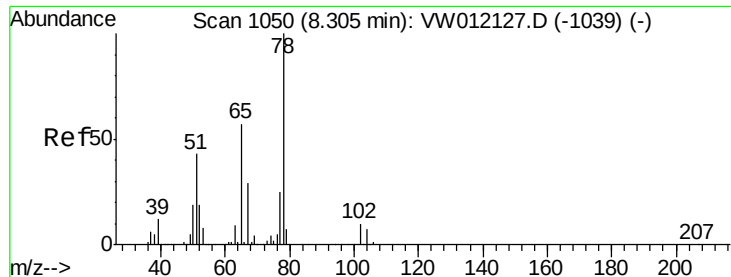
Tgt Ion: 42 Resp: 4495
Ion Ratio Lower Upper
42 100
72 19.6 27.3 40.9#
71 35.4 25.5 38.3



#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012284.D
Acq: 29 Aug 2019 05:54

Tgt Ion: 56 Resp: 6858
Ion Ratio Lower Upper
56 100
69 180.4 24.9 37.3#
84 128.6 60.6 90.8#

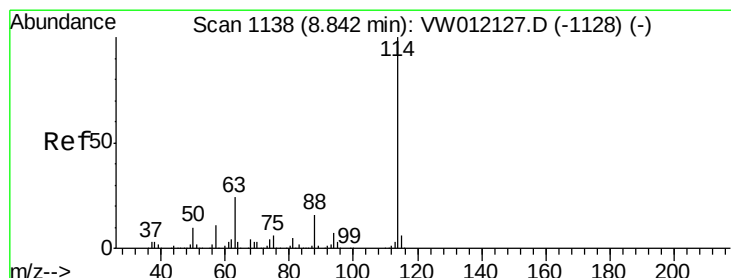
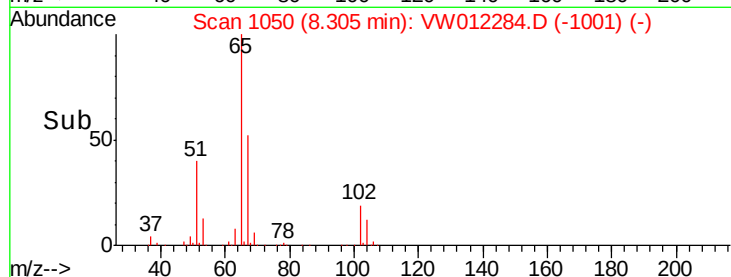
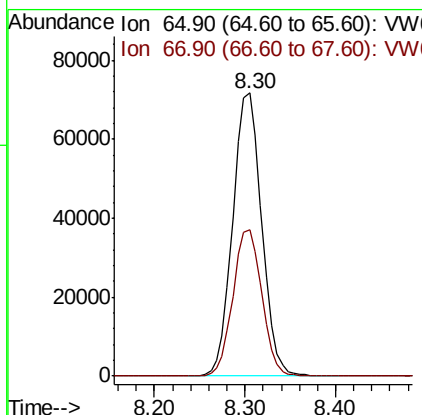
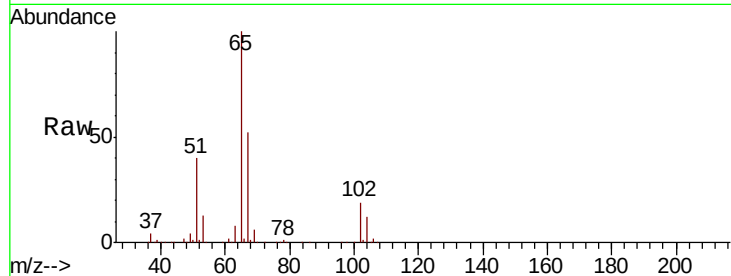




#33
 1,2-Dichloroethane-d4
 Concen: 51.765 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012284.D
 Acq: 29 Aug 2019 05:54

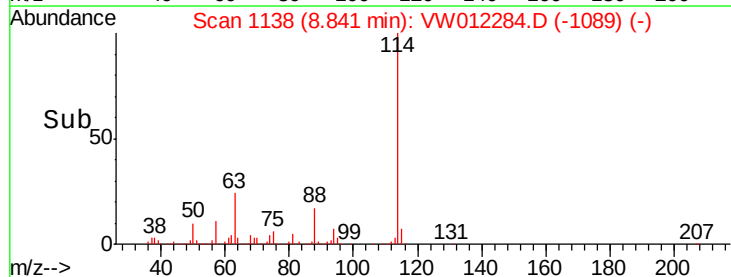
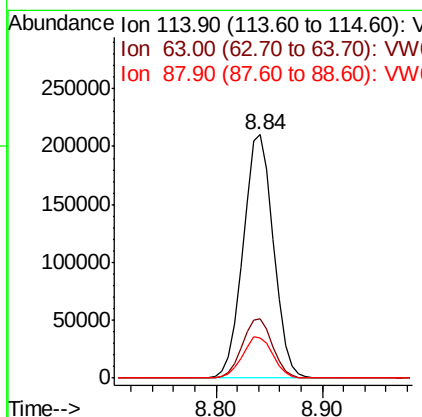
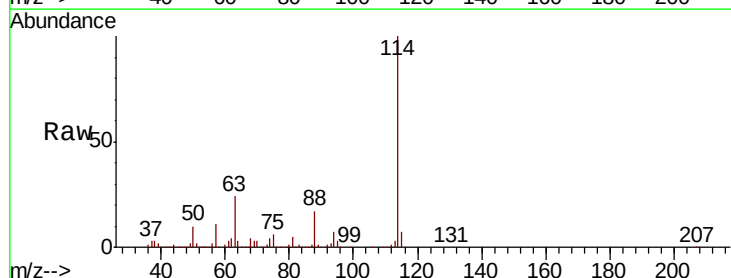
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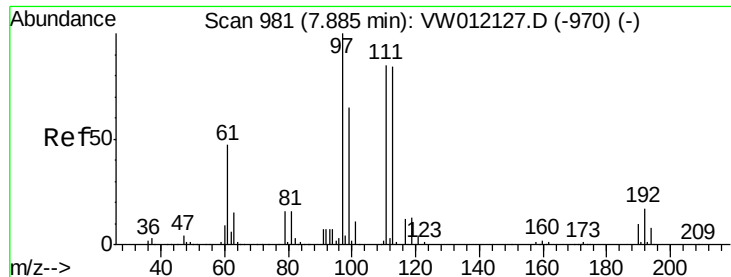
Tgt Ion: 65 Resp: 159143
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012284.D
 Acq: 29 Aug 2019 05:54

Tgt Ion: 114 Resp: 420790
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.6
 88 16.7 0.0 32.2

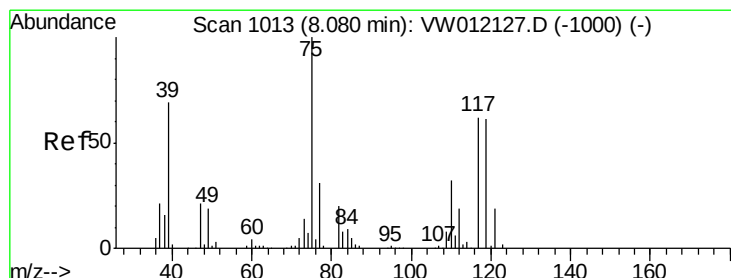
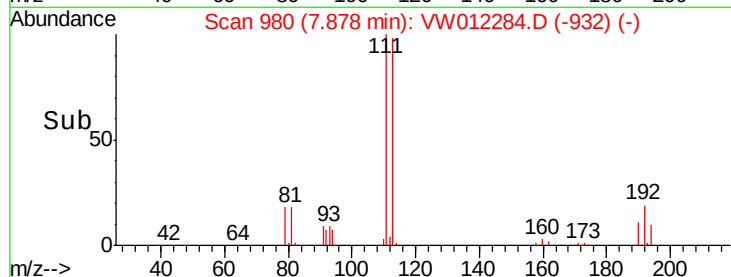
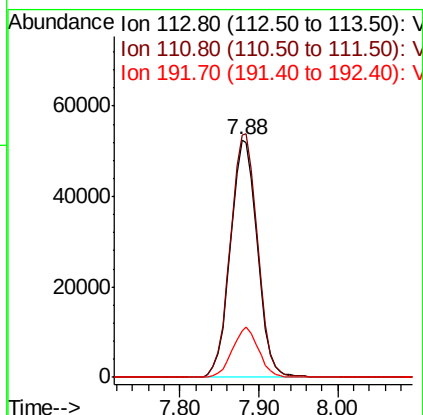
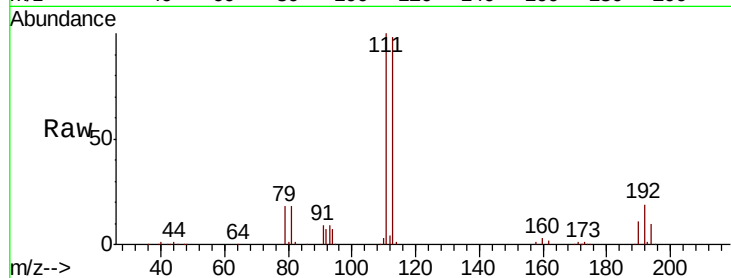




#35
 Dibromofluoromethane
 Concen: 49.595 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012284.D
 Acq: 29 Aug 2019 05:54

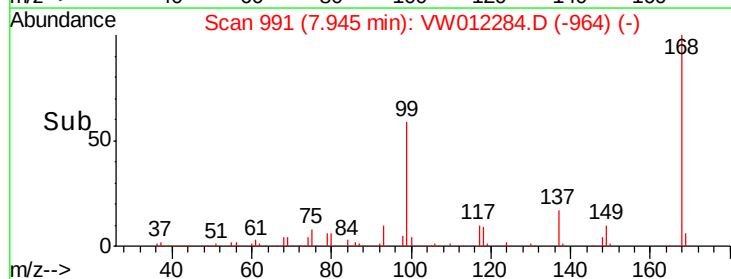
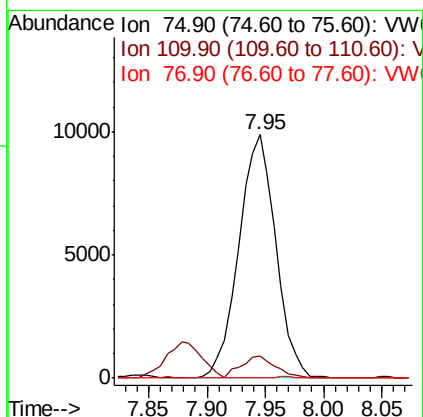
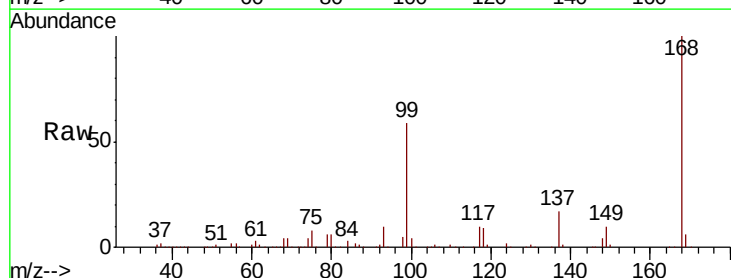
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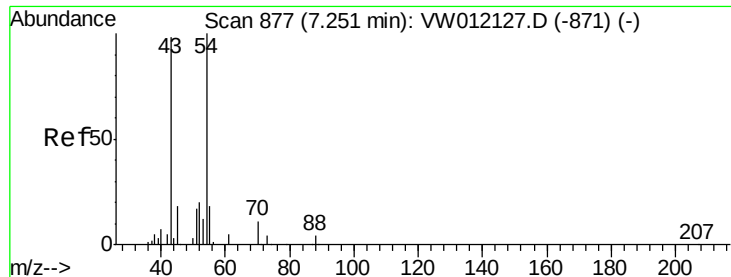
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	20.6	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.023 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012284.D
 Acq: 29 Aug 2019 05:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.6	46.8#
77	0.3	24.6	36.8#

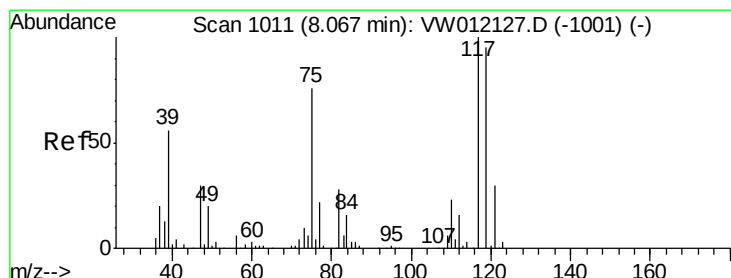
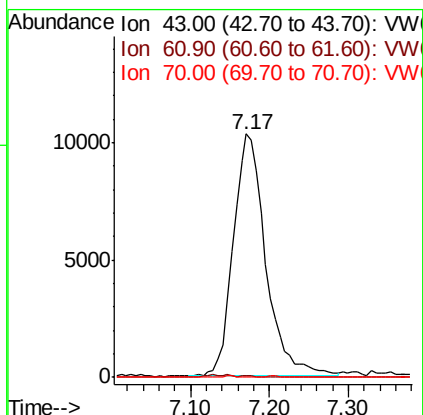
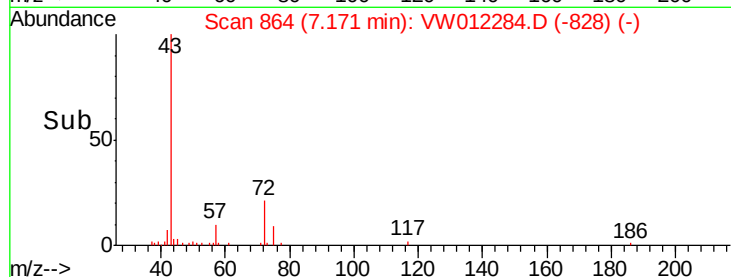
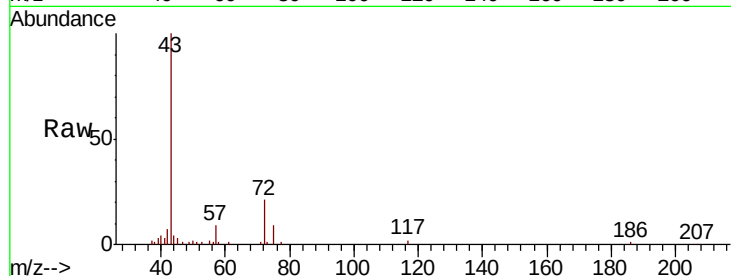




#37
Ethyl Acetate
Concen: 12.405 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW012284.D
Acq: 29 Aug 2019 05:54

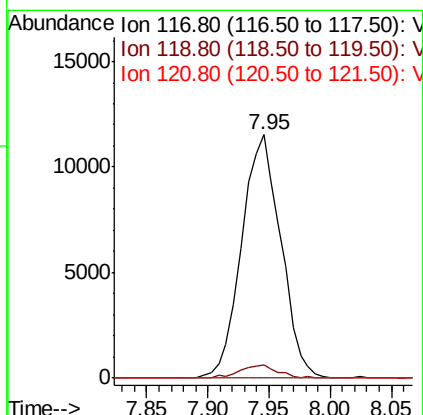
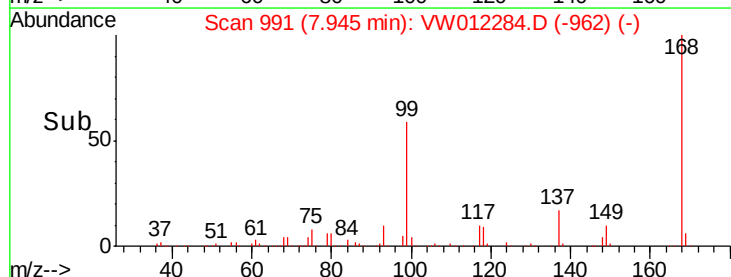
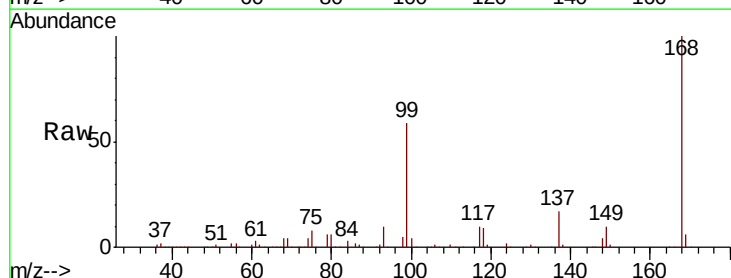
Instrument :
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ClientSampled :
SB-1-15-17

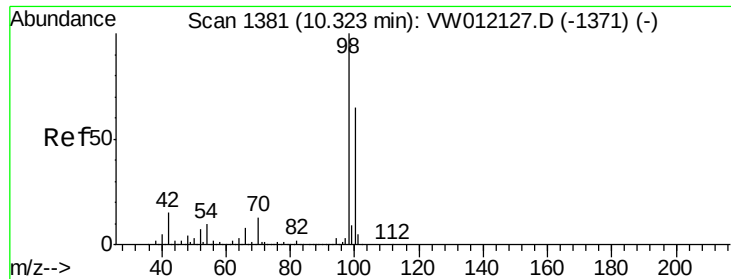
Tgt Ion: 43 Resp: 29560
Ion Ratio Lower Upper
43 100
61 0.3 9.2 13.8#
70 0.1 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 6.804 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012284.D
Acq: 29 Aug 2019 05:54

Tgt Ion: 117 Resp: 25607
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 23.8 35.8#

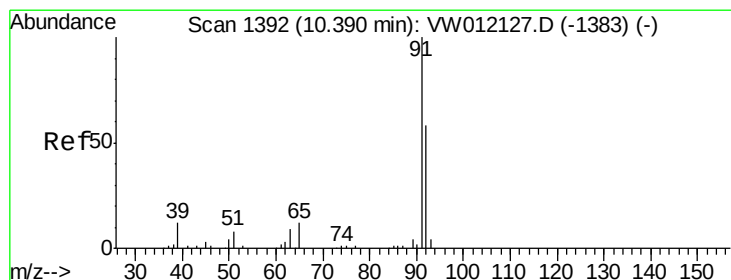
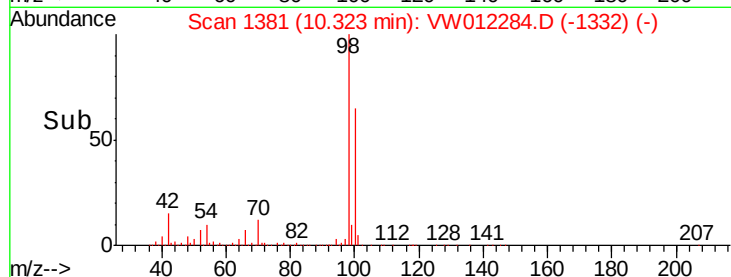
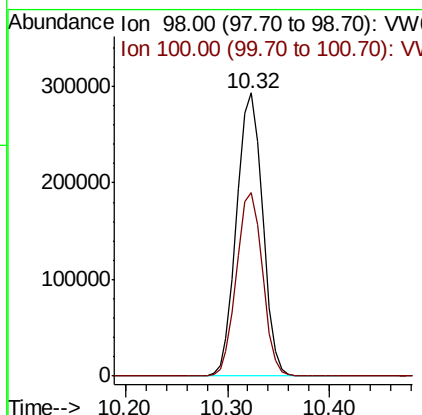
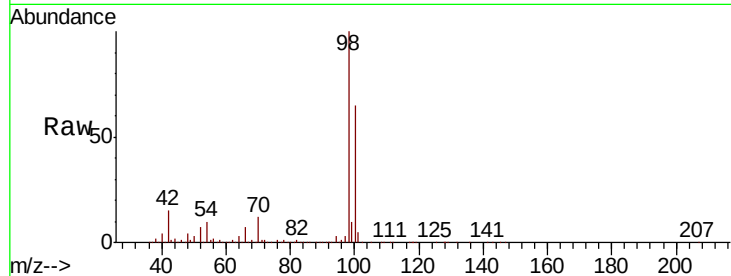




#50
Toluene-d8
Concen: 50.779 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012284.D
Acq: 29 Aug 2019 05:54

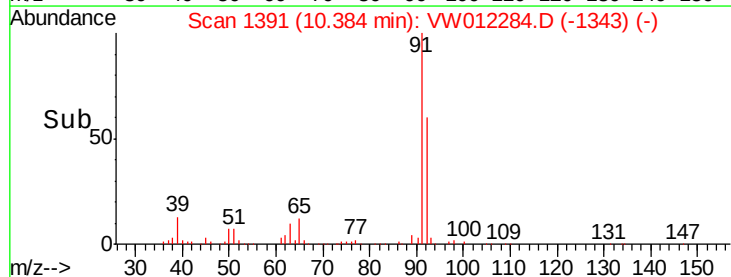
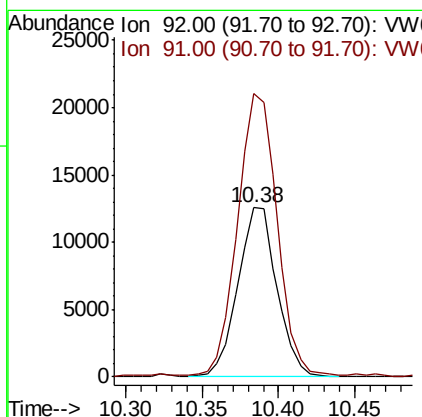
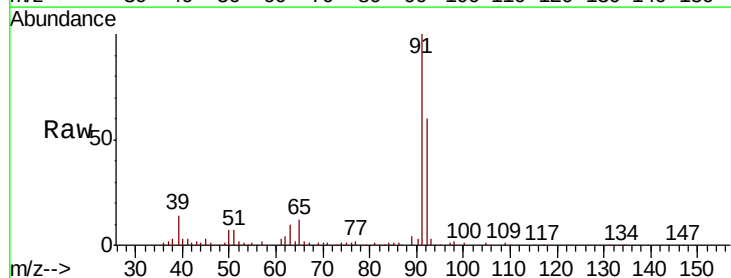
Instrument :
MSVOA_W
ClientSampled :
SB-1-15-17

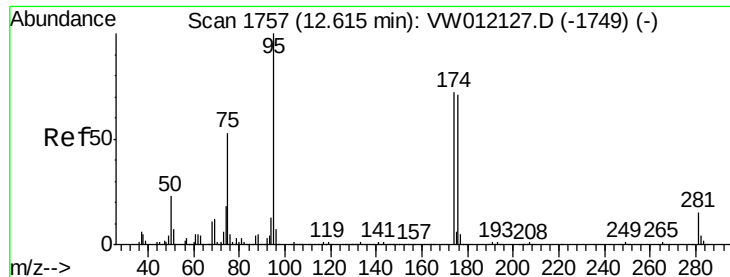
Tgt Ion: 98 Resp: 517148
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#52
Toluene
Concen: 3.135 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012284.D
Acq: 29 Aug 2019 05:54

Tgt Ion: 92 Resp: 22359
Ion Ratio Lower Upper
92 100
91 166.2 136.6 204.8





#62

4-Bromofluorobenzene

Concen: 43.311 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012284.D

Acq: 29 Aug 2019 05:54

Instrument :

MSVOA_W

ClientSampleId :

SB-1-15-17

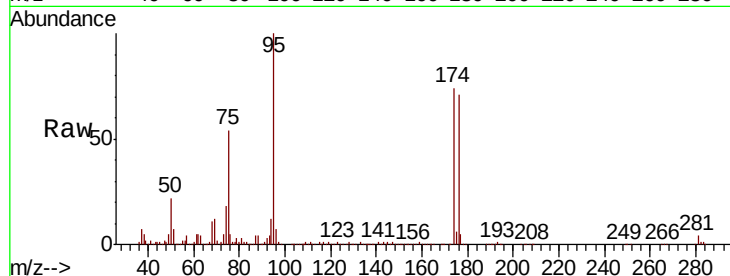
Tgt Ion: 95 Resp: 155483

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.8

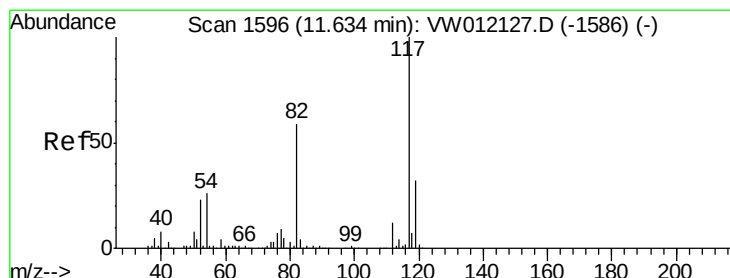
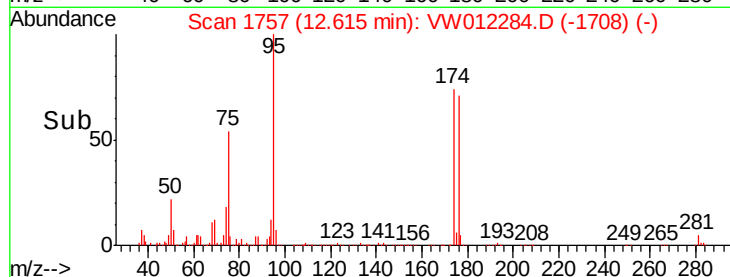
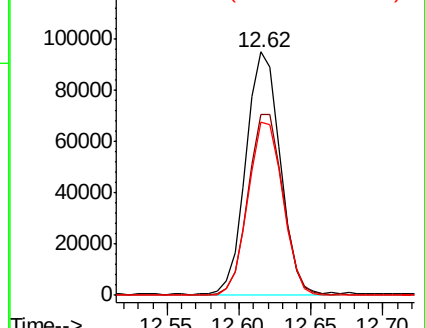
176 72.7 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012284.D

Acq: 29 Aug 2019 05:54

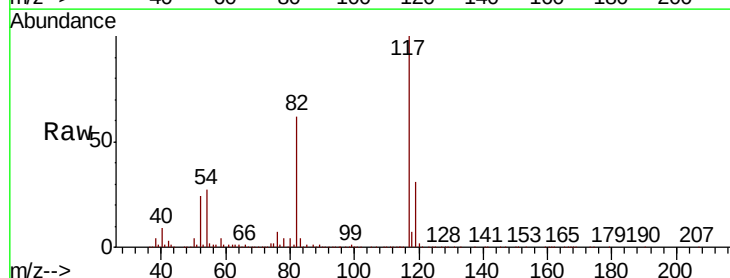
Tgt Ion: 117 Resp: 338188

Ion Ratio Lower Upper

117 100

82 62.3 47.4 71.2

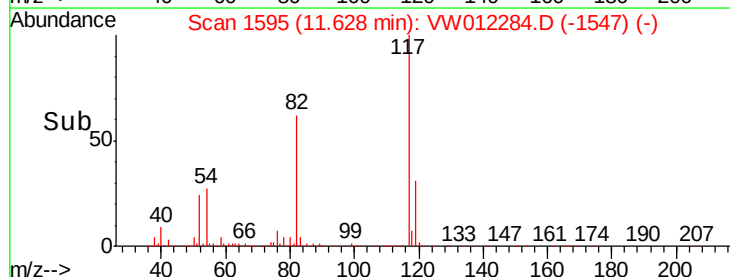
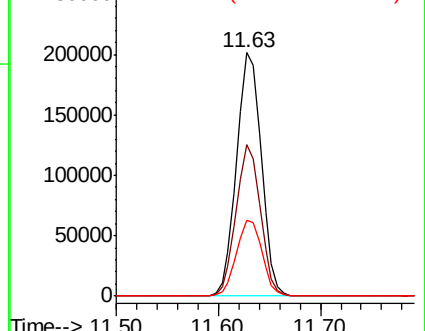
119 31.0 25.4 38.2

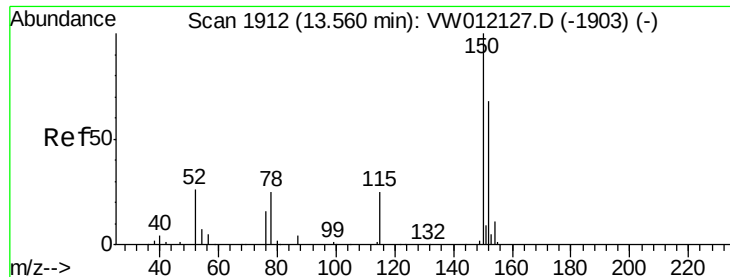


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



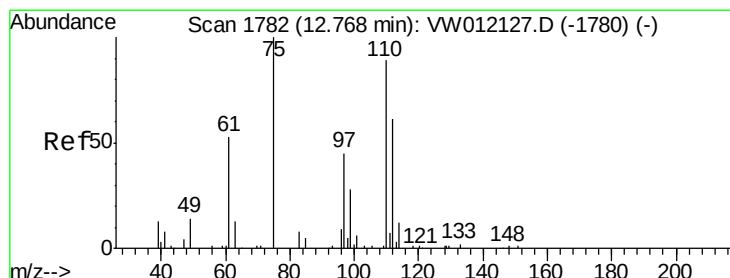
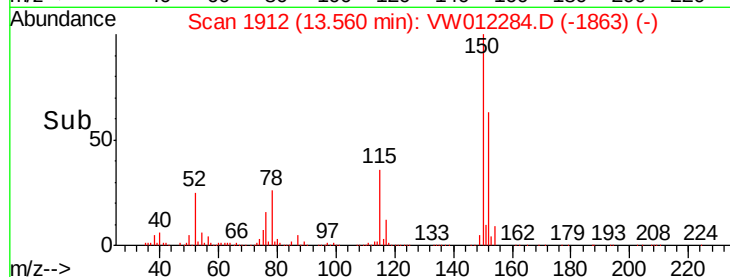
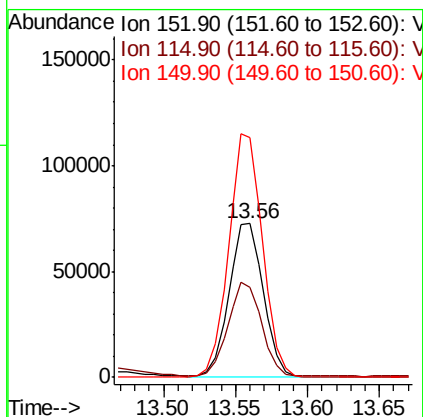
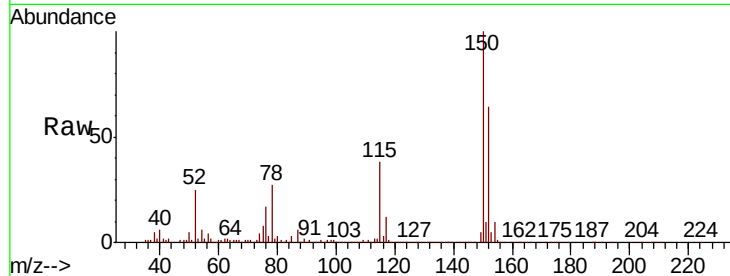


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012284.D
Acq: 29 Aug 2019 05:54

Instrument :
MSVOA_W
ClientSampleId :
SB-1-15-17

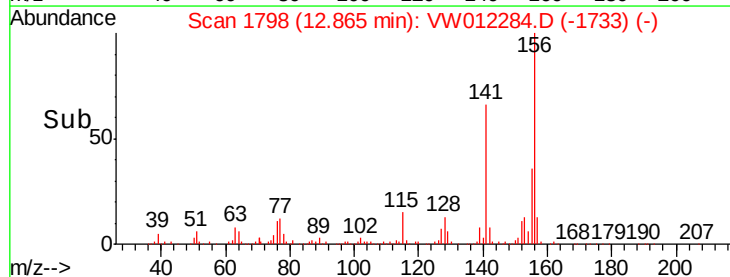
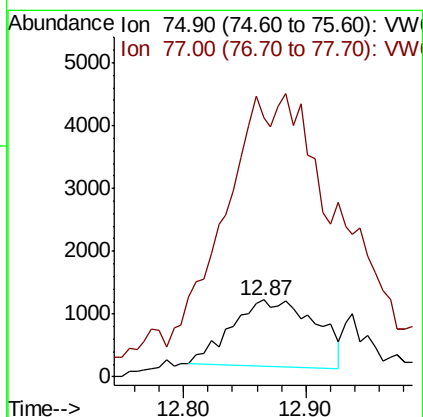
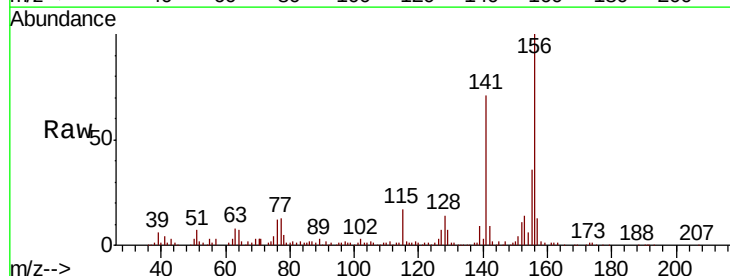
Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.1	90.3
150	155.1	0.0	345.8

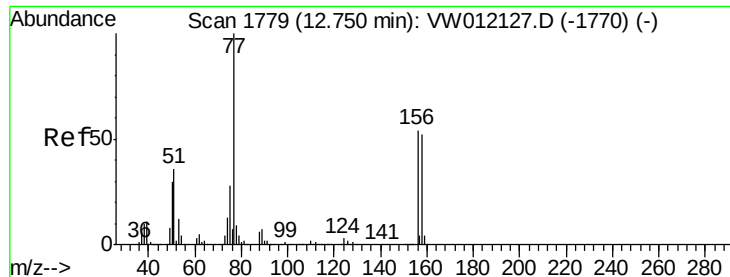


#76

1,2,3-Trichloropropane
Concen: 4.305 ug/l
RT: 12.87 min Scan# 1798
Delta R.T. 0.10 min
Lab File: VW012284.D
Acq: 29 Aug 2019 05:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	212.2	0.0	0.0#





#77

Bromobenzene

Concen: 110.377 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.13 min

Lab File: VW012284.D

Acq: 29 Aug 2019 05:54

Instrument :

MSVOA_W

ClientSampleId :

SB-1-15-17

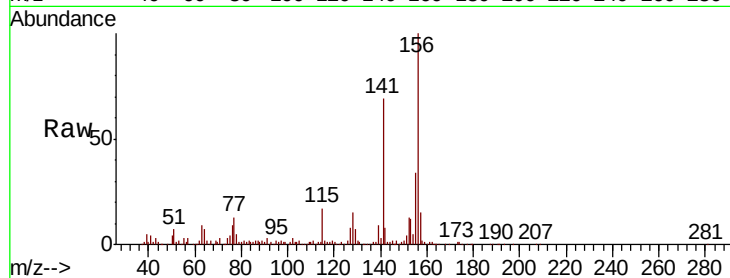
Tgt Ion:156 Resp: 216564

Ion Ratio Lower Upper

156 100

77 0.0 107.3 321.8#

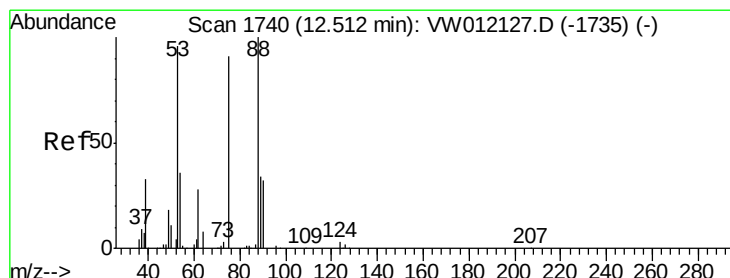
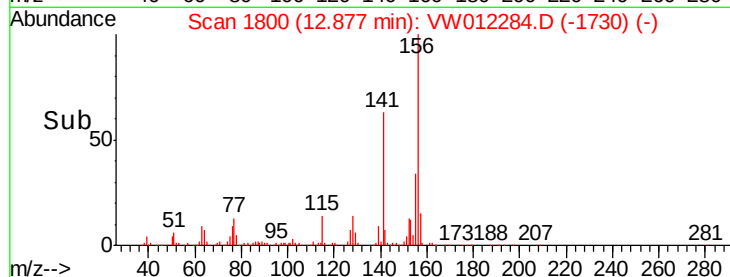
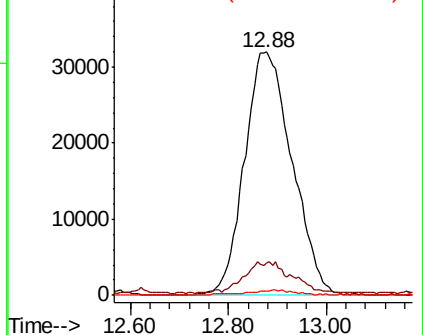
158 1.4 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 153.228 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012284.D

Acq: 29 Aug 2019 05:54

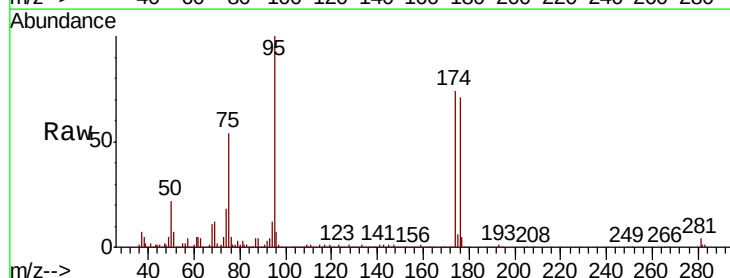
Tgt Ion: 75 Resp: 82381

Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

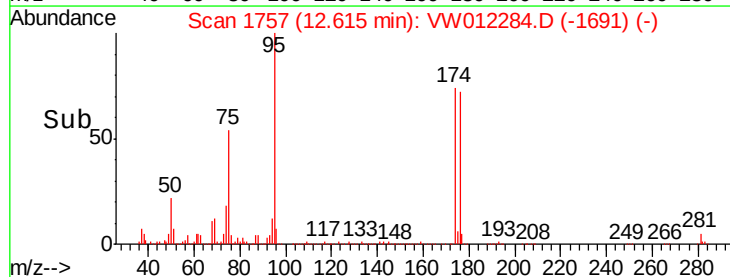
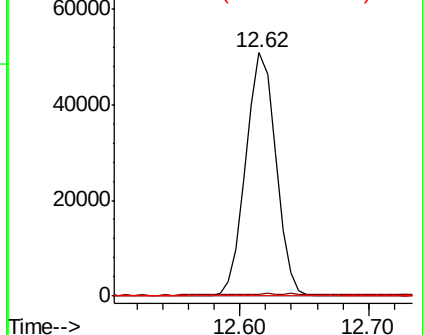
89 0.1 34.5 51.7#

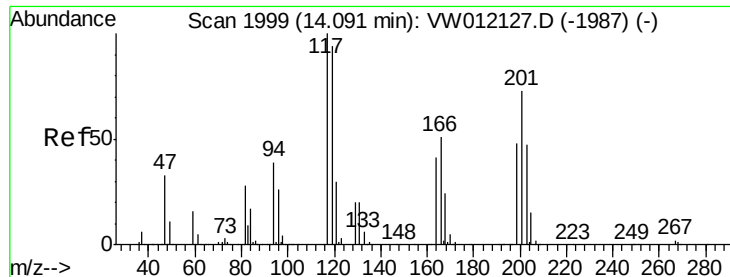


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#90

Hexachloroethane

Concen: 2.187 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW012284.D

Acq: 29 Aug 2019 05:54

Instrument :

MSVOA_W

ClientSampled :

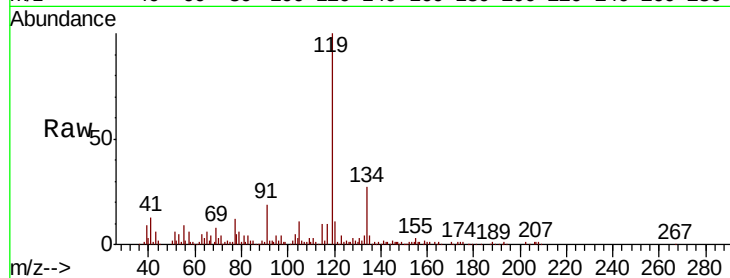
SB-1-15-17

Tgt Ion: 117 Resp: 3152

Ion Ratio Lower Upper

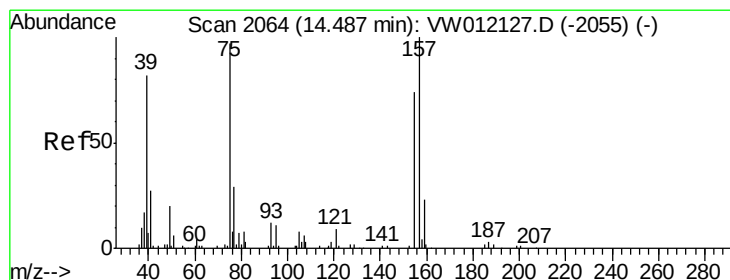
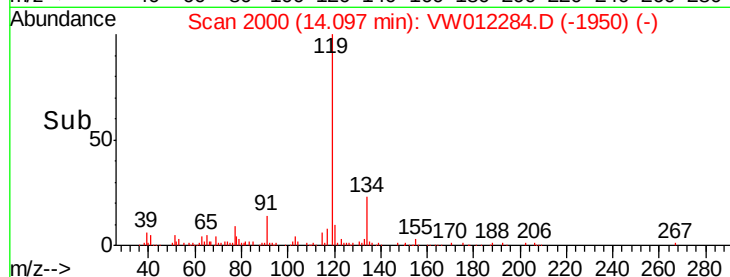
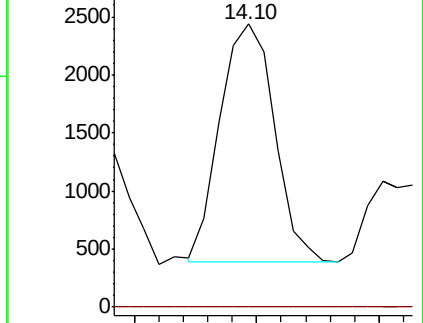
117 100

201 0.0 38.6 115.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.349 ug/l

RT: 14.75 min Scan# 2107

Delta R.T. 0.26 min

Lab File: VW012284.D

Acq: 29 Aug 2019 05:54

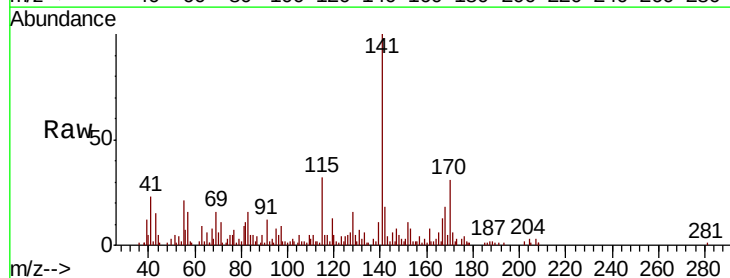
Tgt Ion: 75 Resp: 378

Ion Ratio Lower Upper

75 100

155 95.5 37.5 112.3

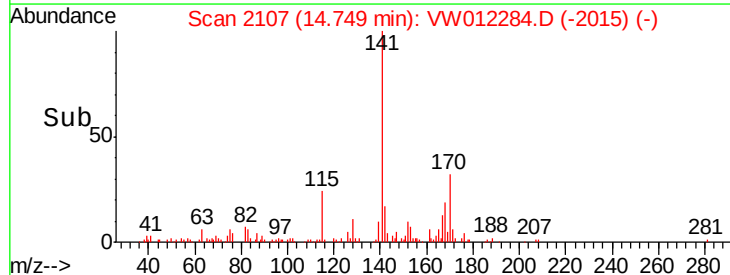
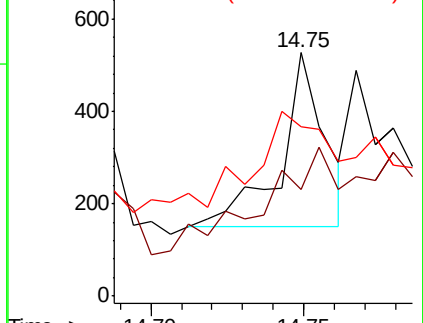
157 86.0 50.5 151.5

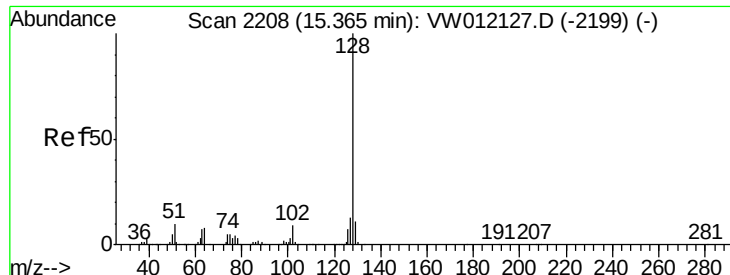


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

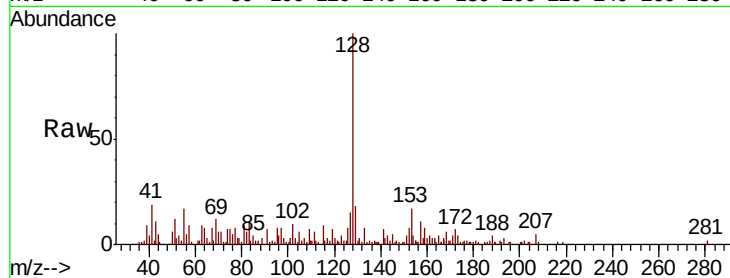




#95
Naphthalene
Concen: 8.305 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012284.D
Acq: 29 Aug 2019 05:54

Instrument :
MSVOA_W
ClientSampleId :
SB-1-15-17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.7	16.1
129	13.8	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

