

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011526.D
 Acq On : 26 Jul 2019 19:41
 Operator : SY/VA
 Sample : K3620-17
 Misc : 6.60G/5.0ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-072519-D

Quant Time: Jul 27 05:32:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	407527	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133315	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	153203	54.42	ug/l	0.00
Spiked Amount			Recovery	=	108.84%	
35) Dibromofluoromethane	7.88	113	123533	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
50) Toluene-d8	10.32	98	493982	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
62) 4-Bromofluorobenzene	12.62	95	160347	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	

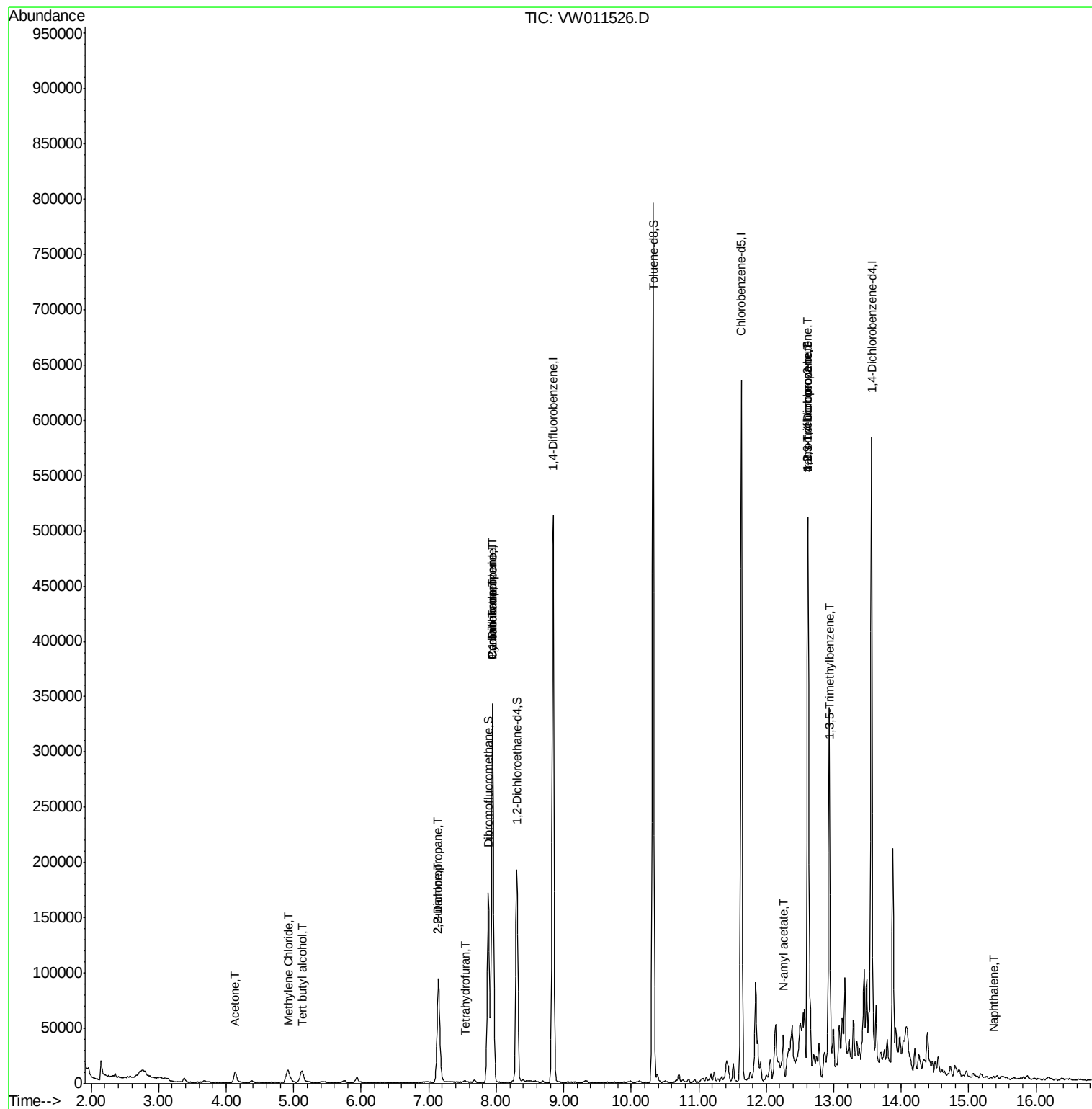
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	11204	38.868	ug/l #	73
16) Acetone	4.14	43	19732	22.034	ug/l	95
20) Methylene Chloride	4.92	84	8198	2.654	ug/l #	84
25) 2-Butanone	7.14	43	6548	5.588	ug/l #	80
26) 2,2-Dichloropropane	7.13	77	6733	1.997	ug/l #	54
29) Tetrahydrofuran	7.54	42	1428	2.132	ug/l #	73
31) Cyclohexane	7.94	56	5958	1.132	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21656	5.111	ug/l #	50
38) Carbon Tetrachloride	7.95	117	24562	6.771	ug/l #	17
74) N-amyl acetate	12.25	43	9029	2.900	ug/l #	65
76) 1,2,3-Trichloropropane	12.62	75	84849	60.150	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	10899	1.307	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	84849	138.625	ug/l #	6
95) Naphthalene	15.37	128	1350	2.312	ug/l #	84

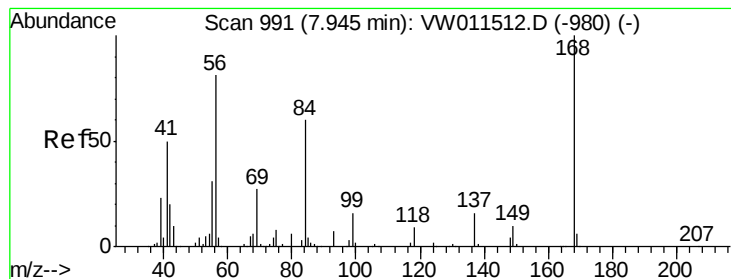
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW011526.D

Acq: 26 Jul 2019 19:41

Instrument :

MSVOA_W

ClientSampled :

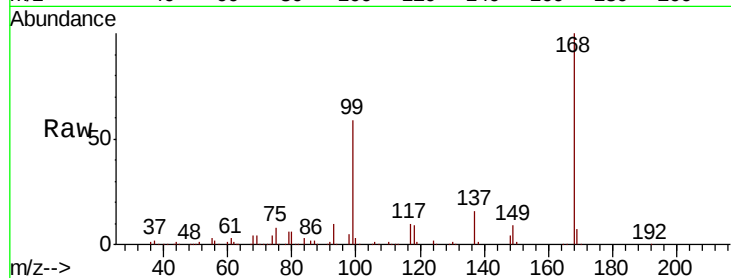
CL-02-072519-D

Tot Ion:168 Resp: 245168

Ion Ratio Lower Upper

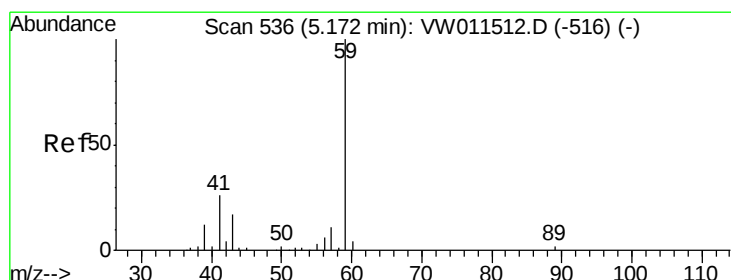
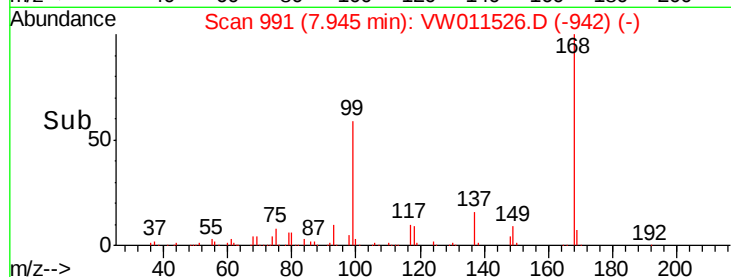
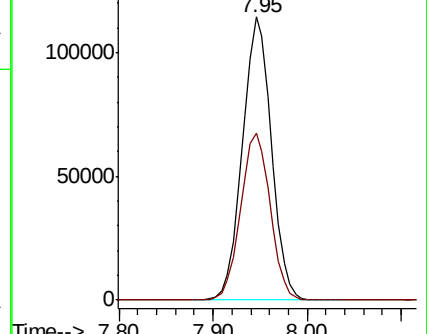
168 100

99 59.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 38.868 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011526.D

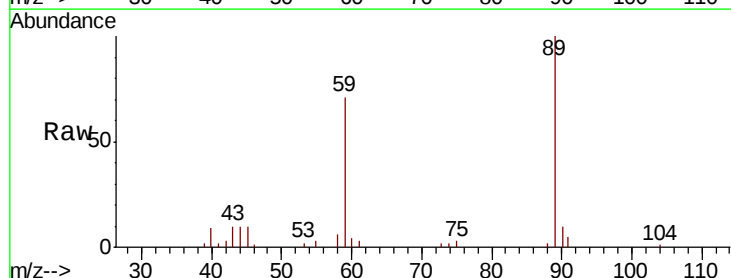
Acq: 26 Jul 2019 19:41

Tgt Ion: 59 Resp: 11204

Ion Ratio Lower Upper

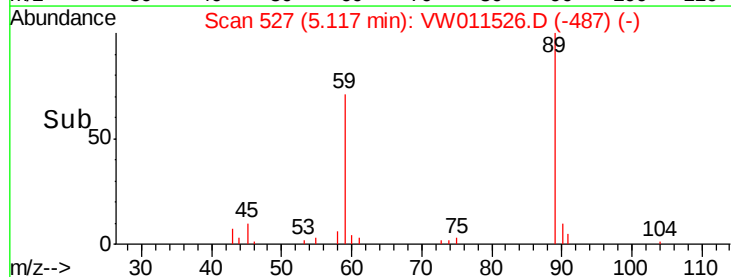
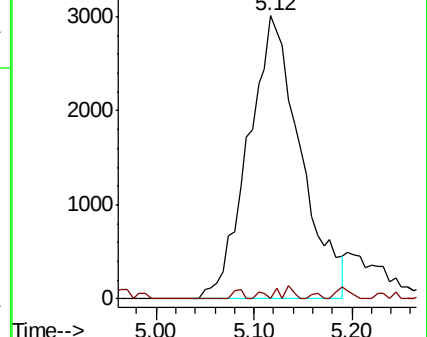
59 100

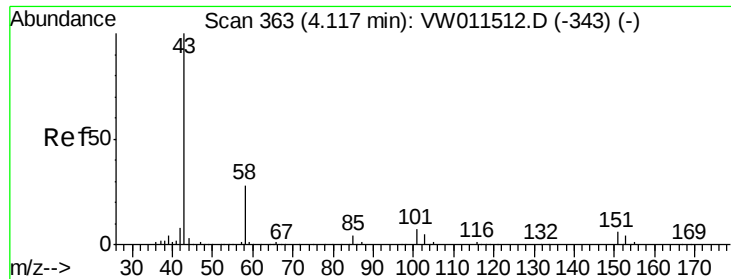
57 0.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 22.034 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011526.D

Acq: 26 Jul 2019 19:41

Instrument :

MSVOA_W

ClientSampleId :

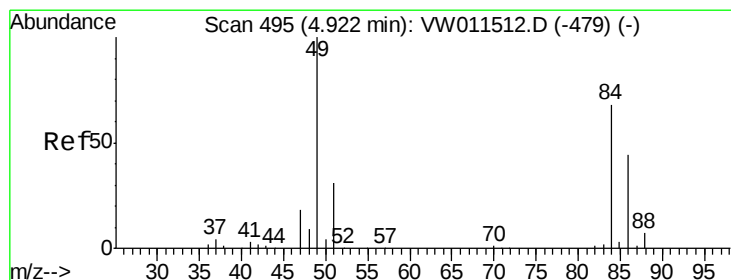
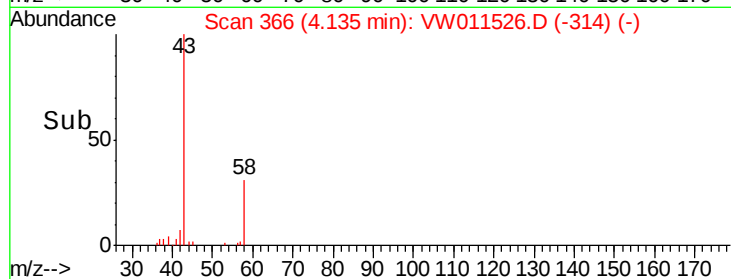
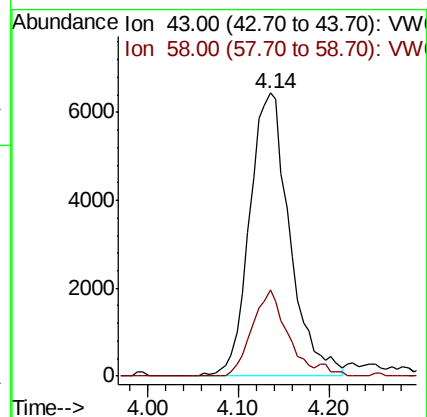
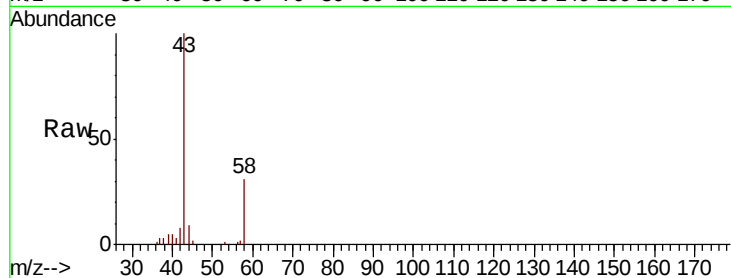
CL-02-072519-D

Tot Ion: 43 Resp: 19732

Ion Ratio Lower Upper

43 100

58 30.6 22.3 33.5



#20

Methylene Chloride

Concen: 2.654 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW011526.D

Acq: 26 Jul 2019 19:41

Tgt Ion: 84 Resp: 8198

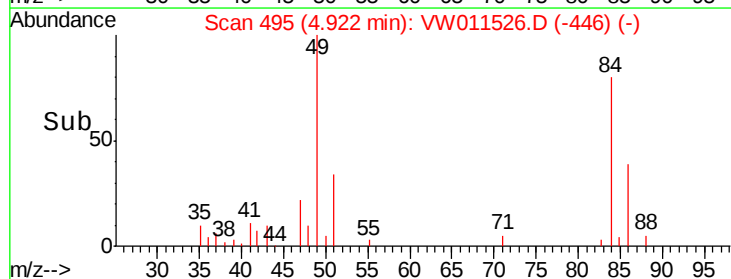
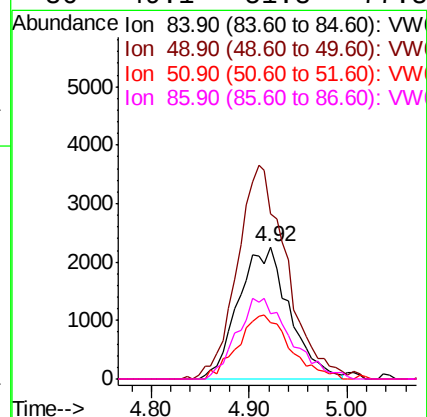
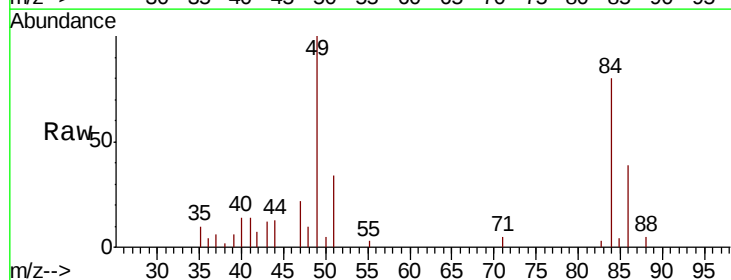
Ion Ratio Lower Upper

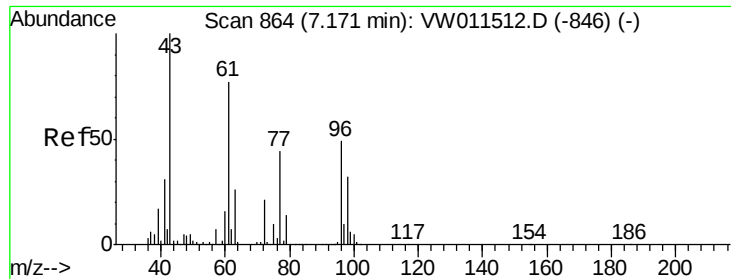
84 100

49 124.4 117.8 176.6

51 42.9 37.0 55.4

86 49.1 51.8 77.8#

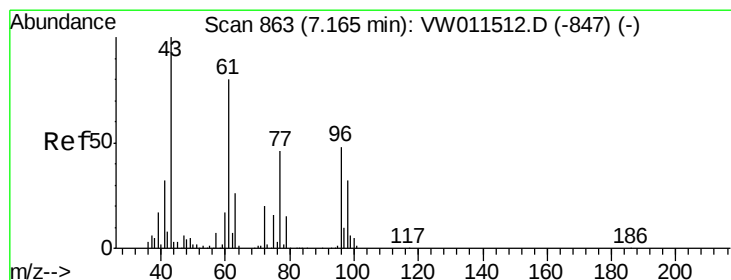
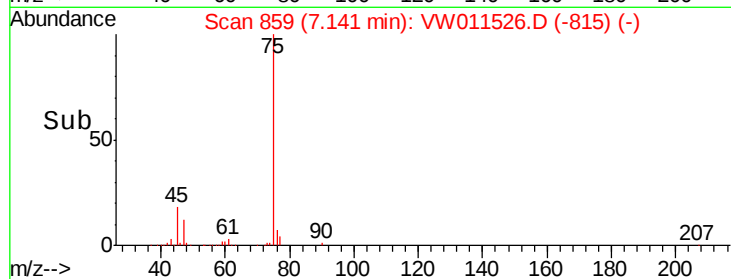
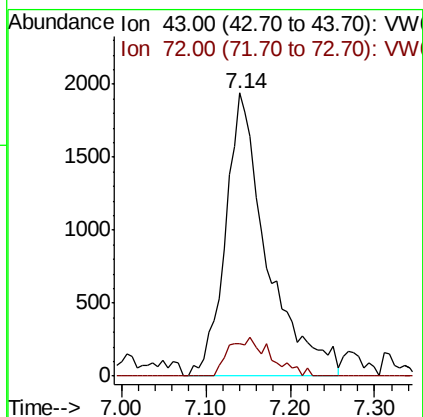
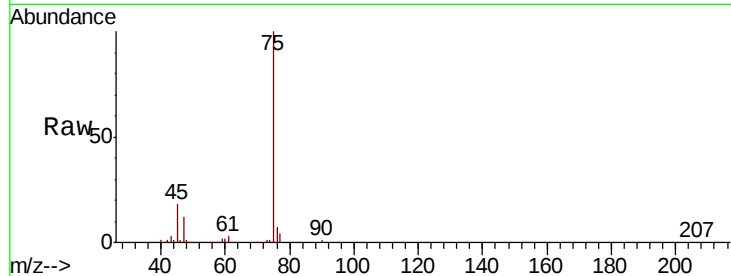




#25
 2-Butanone
 Concen: 5.588 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.03 min
 Lab File: VW011526.D
 Acq: 26 Jul 2019 19:41

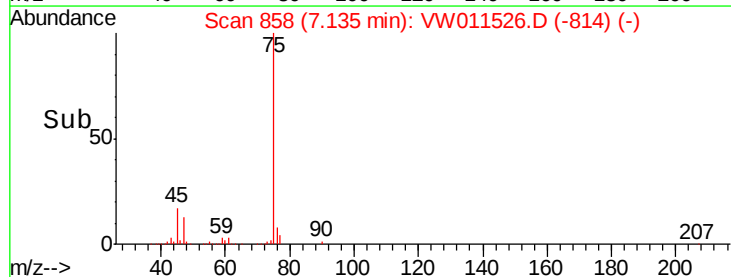
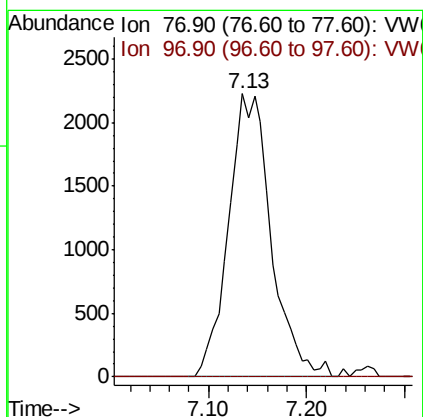
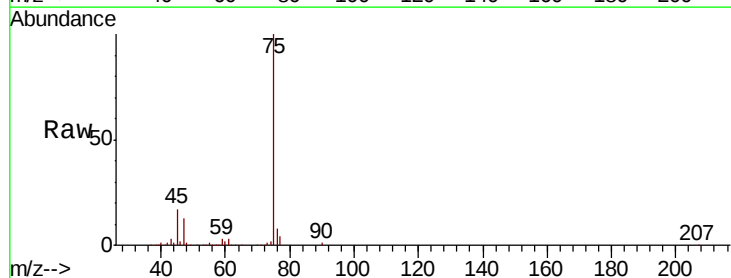
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-072519-D

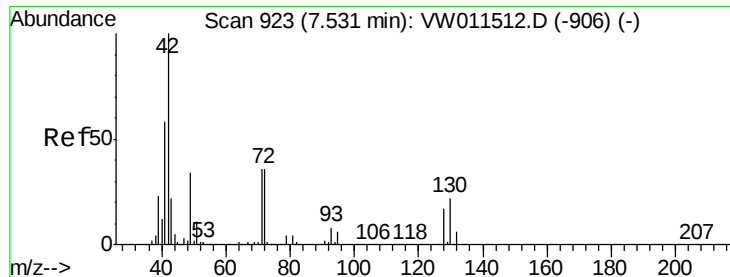
Tot Ion: 43 Resp: 6548
 Ion Ratio Lower Upper
 43 100
 72 11.3 16.6 24.8#



#26
 2,2-Dichloropropane
 Concen: 1.997 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: VW011526.D
 Acq: 26 Jul 2019 19:41

Tgt Ion: 77 Resp: 6733
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.8 32.4#

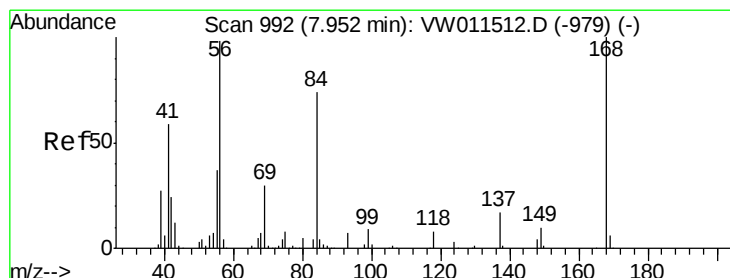
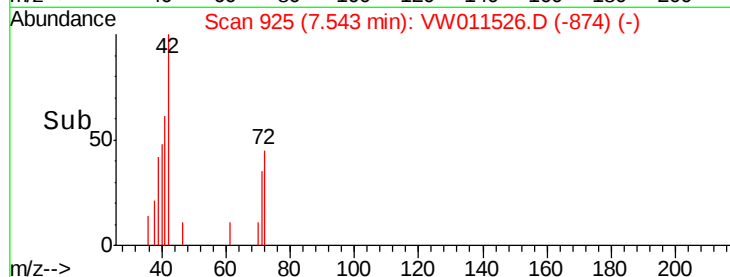
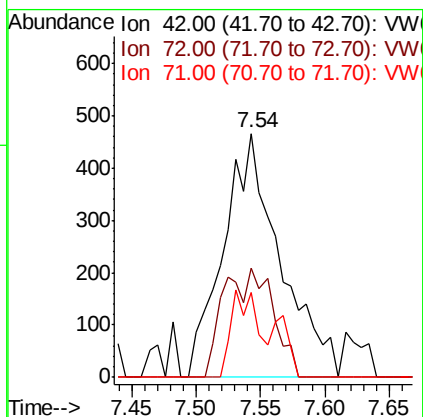
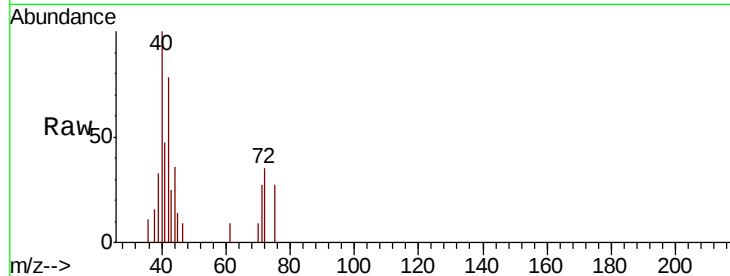




#29
Tetrahydrofuran
Concen: 2.132 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011526.D
Acq: 26 Jul 2019 19:41

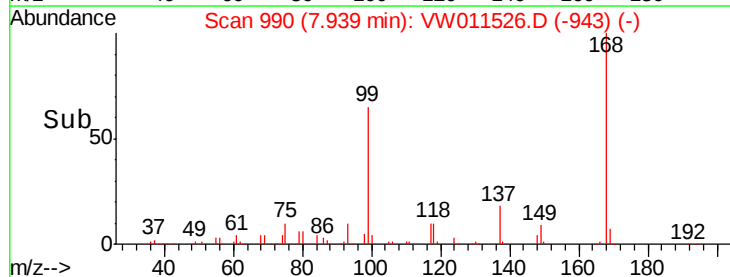
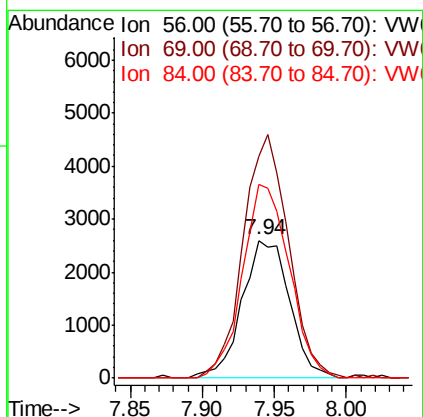
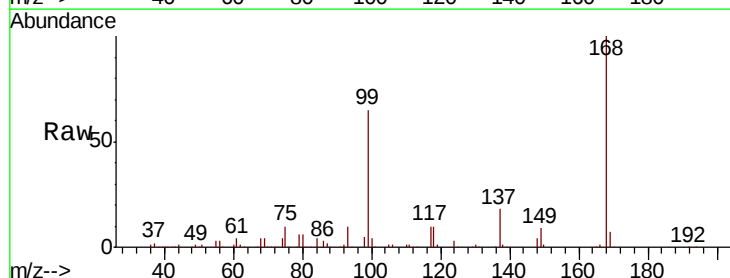
Instrument :
MSVOA_W
ClientSampleId :
CL-02-072519-D

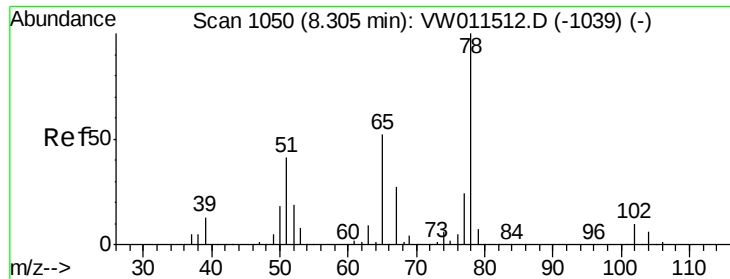
Tot Ion	Ratio	Lower	Upper
42	100		
72	18.8	27.1	40.7#
71	16.9	26.2	39.4#



#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011526.D
Acq: 26 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
56	100		
69	161.4	24.3	36.5#
84	140.9	60.4	90.6#

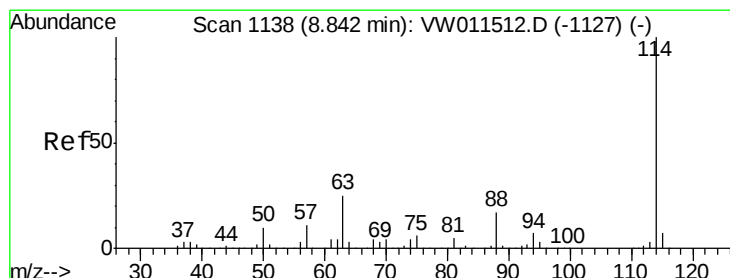
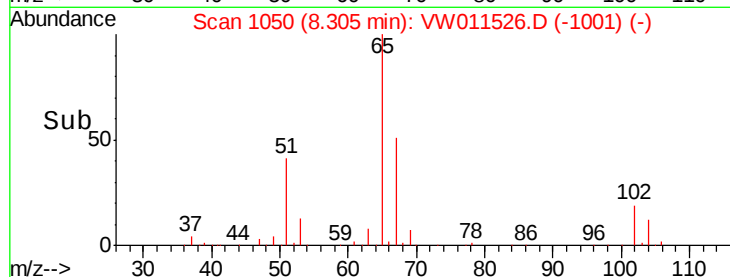
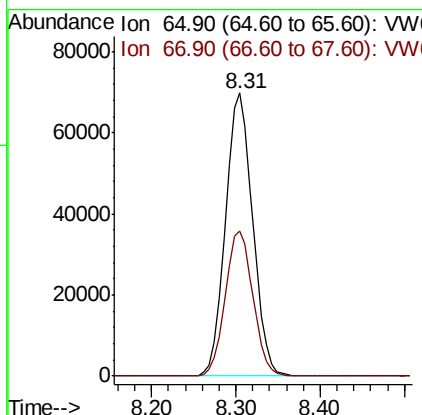
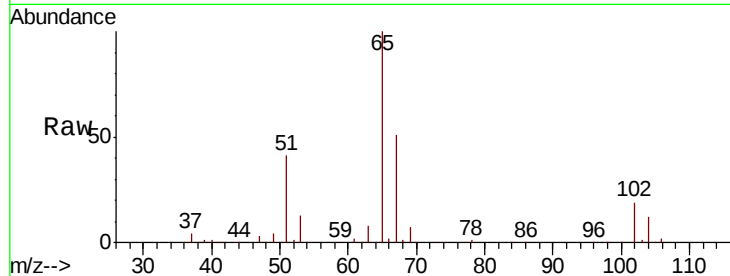




#33
 1,2-Dichloroethane-d4
 Concen: 54.420 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011526.D
 Acq: 26 Jul 2019 19:41

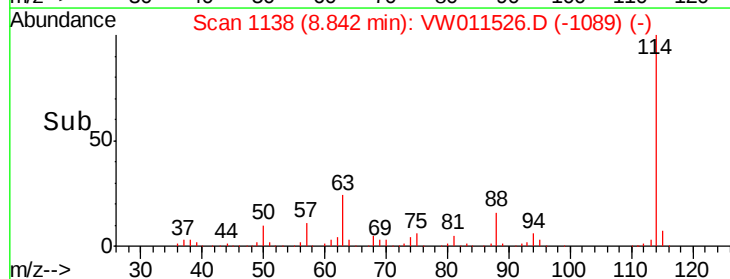
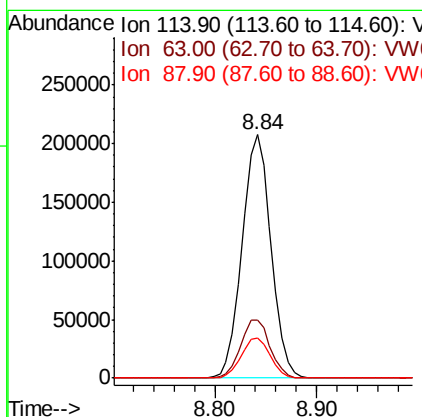
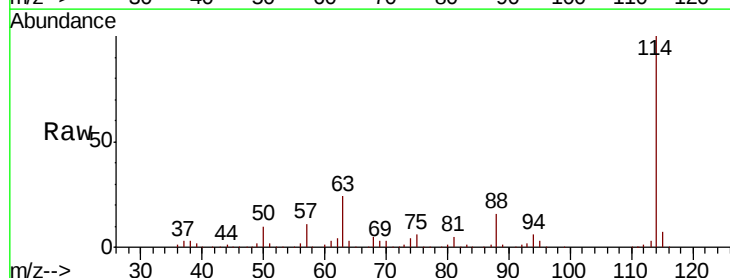
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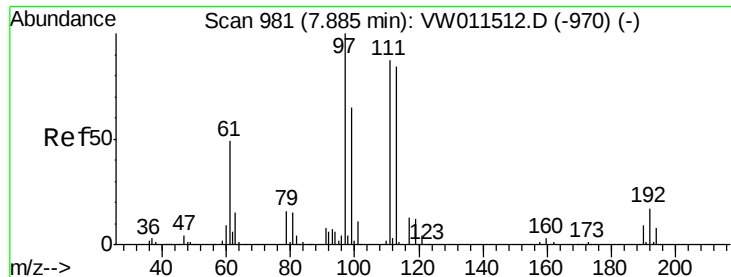
Tot Ion: 65 Resp: 153203
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011526.D
 Acq: 26 Jul 2019 19:41

Tgt Ion: 114 Resp: 407527
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 49.2
 88 16.2 0.0 33.8

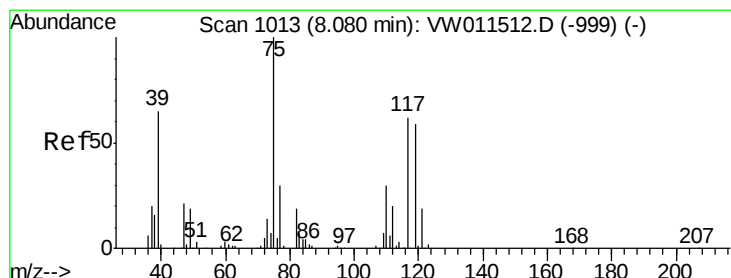
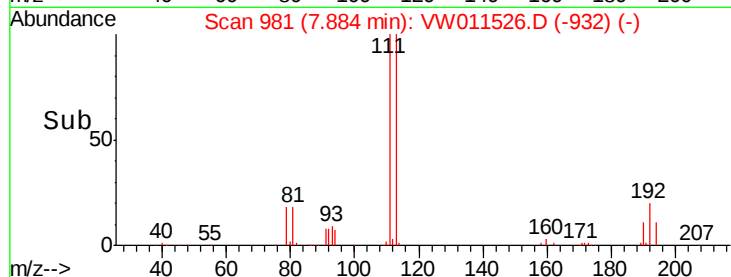
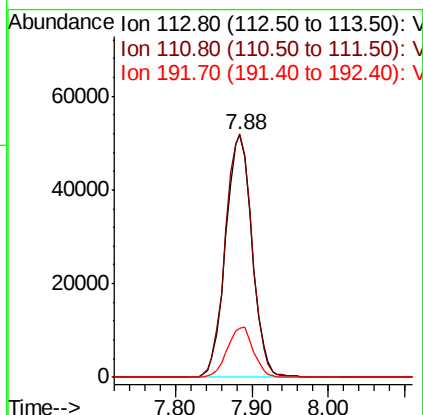
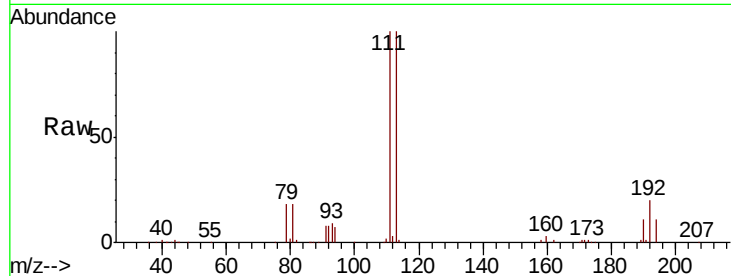




#35
 Dibromofluoromethane
 Concen: 54.032 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011526.D
 Acq: 26 Jul 2019 19:41

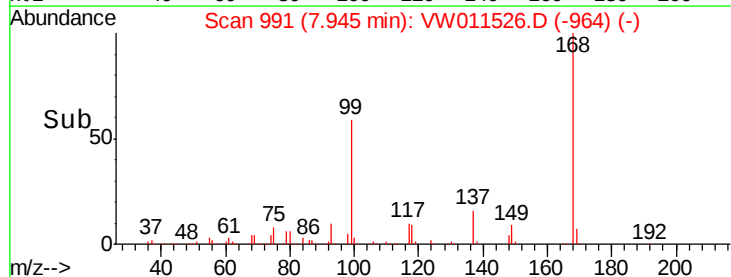
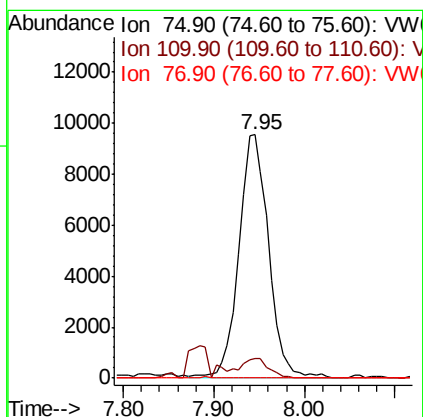
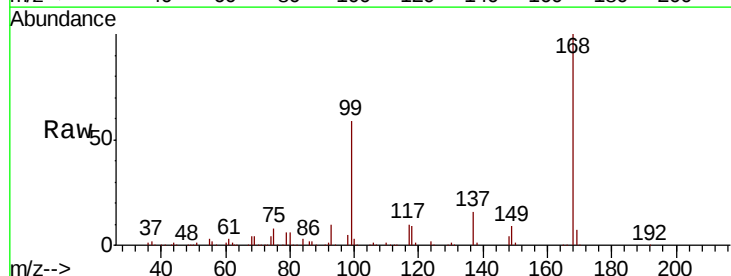
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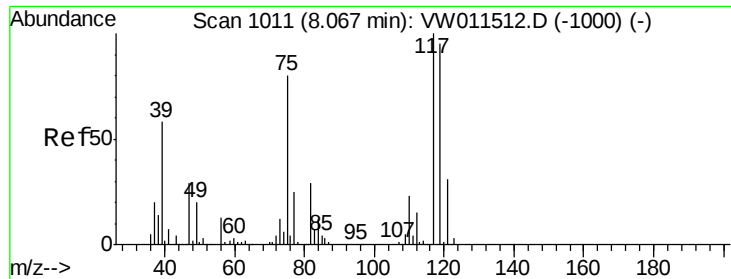
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.7	124.1
192	20.3	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.111 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011526.D
 Acq: 26 Jul 2019 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.6	15.6	46.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 6.771 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011526.D

Acq: 26 Jul 2019 19:41

Instrument :

MSVOA_W

ClientSampleId :

CL-02-072519-D

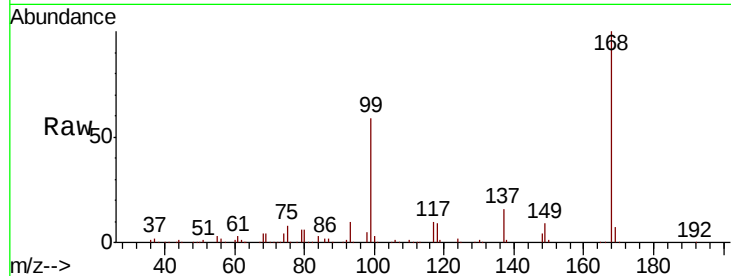
Tot Ion:117 Resp: 24562

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

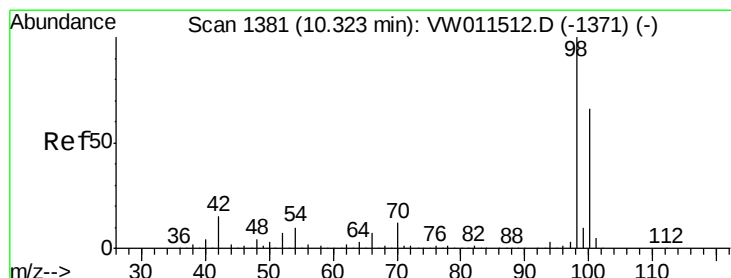
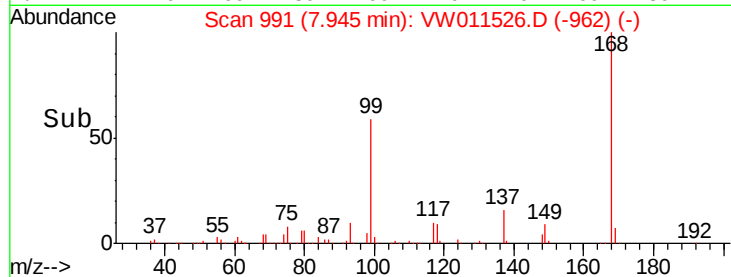
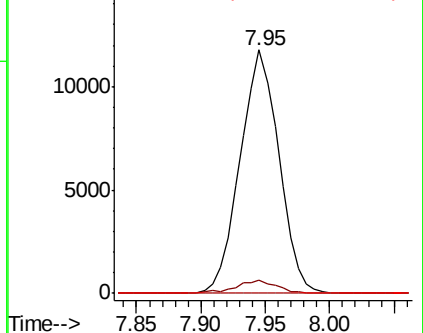
121 0.0 24.7 37.1#



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: 52.771 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011526.D

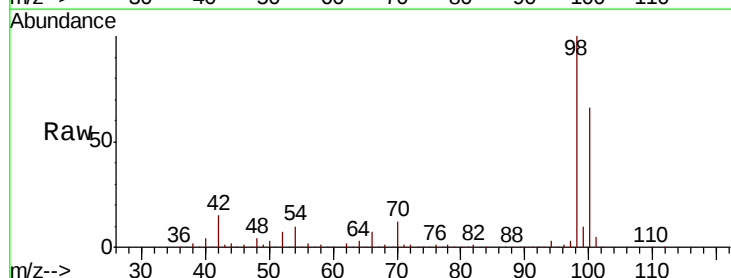
Acq: 26 Jul 2019 19:41

Tgt Ion: 98 Resp: 493982

Ion Ratio Lower Upper

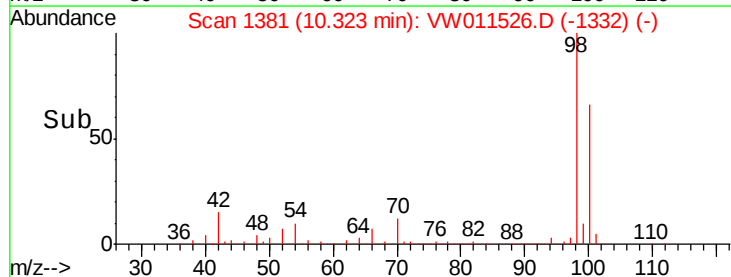
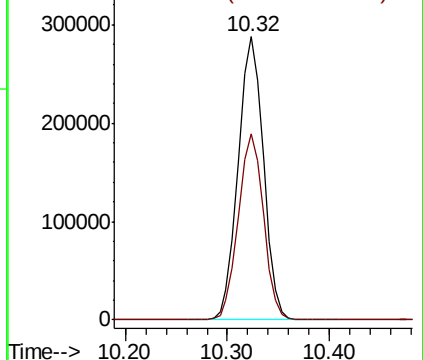
98 100

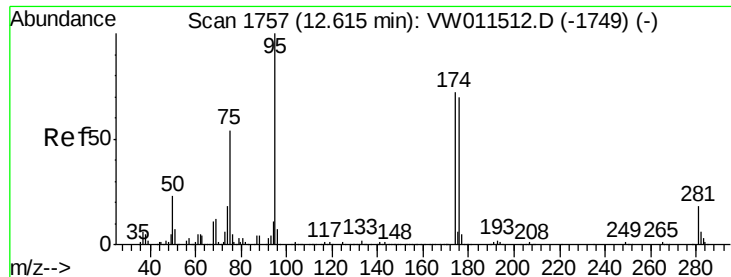
100 65.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

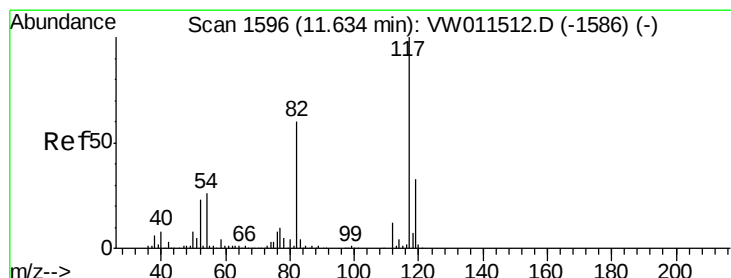
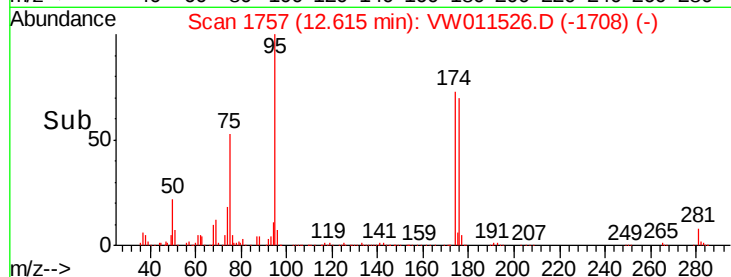
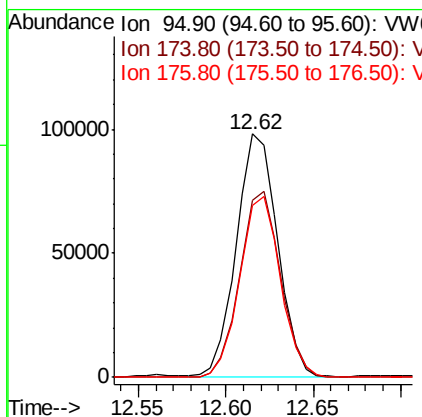
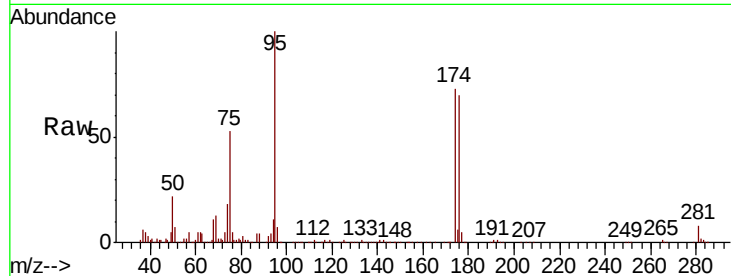




#62
4-Bromofluorobenzene
Concen: 48.047 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011526.D
Acq: 26 Jul 2019 19:41

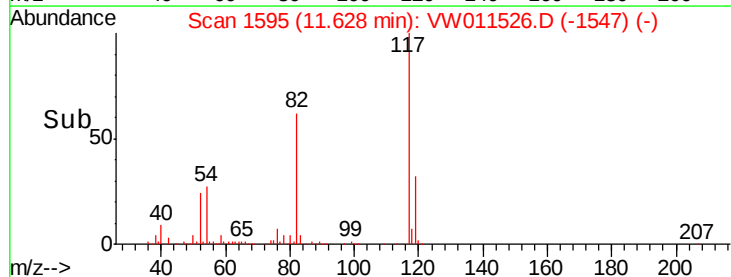
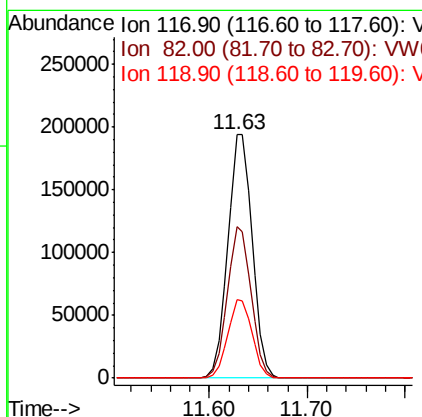
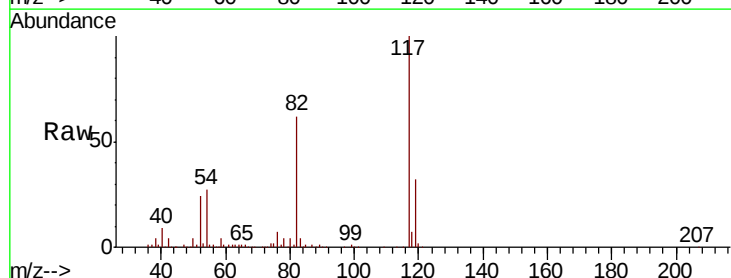
Instrument :
MSVOA_W
ClientSampleId :
CL-02-072519-D

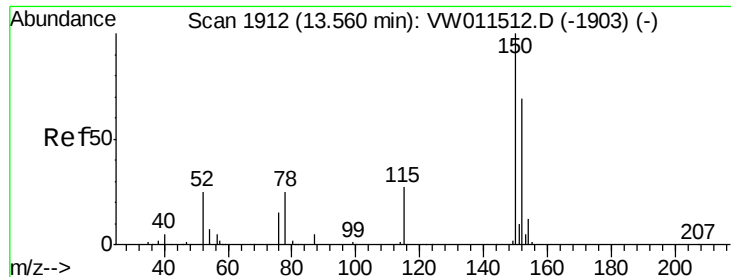
Tot Ion: 95 Resp: 160347
Ion Ratio Lower Upper
95 100
174 76.1 0.0 150.2
176 73.7 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011526.D
Acq: 26 Jul 2019 19:41

Tgt Ion: 117 Resp: 335602
Ion Ratio Lower Upper
117 100
82 62.1 47.9 71.9
119 32.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011526.D

Acq: 26 Jul 2019 19:41

Instrument :

MSVOA_W

ClientSampleId :

CL-02-072519-D

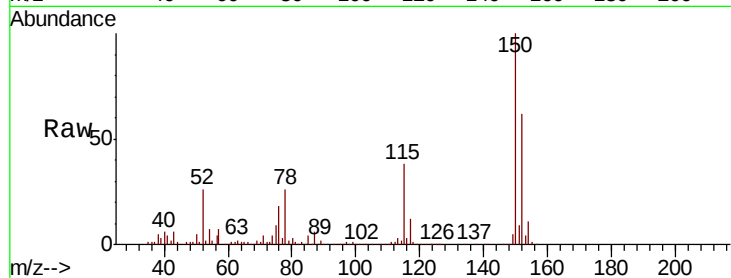
Tot Ion:152 Resp: 133315

Ion Ratio Lower Upper

152 100

115 60.3 30.5 91.5

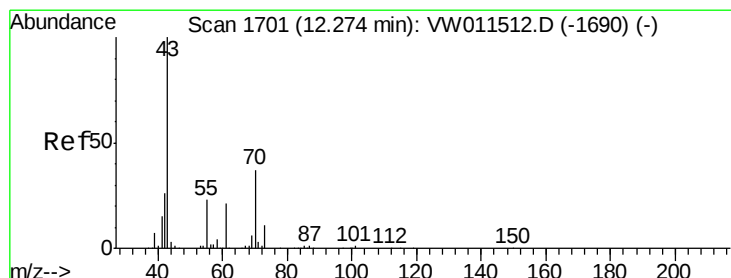
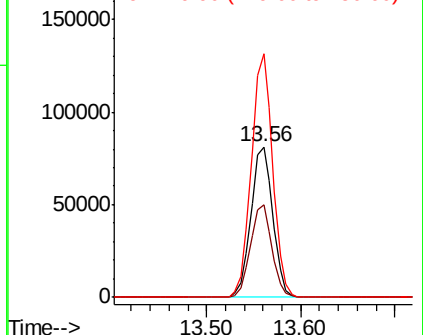
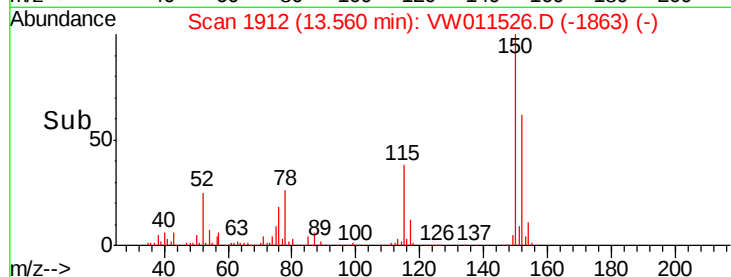
150 157.3 0.0 352.6



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



#74

N-ethyl acetate

Concen: 2.900 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW011526.D

Acq: 26 Jul 2019 19:41

Tgt Ion: 43 Resp: 9029

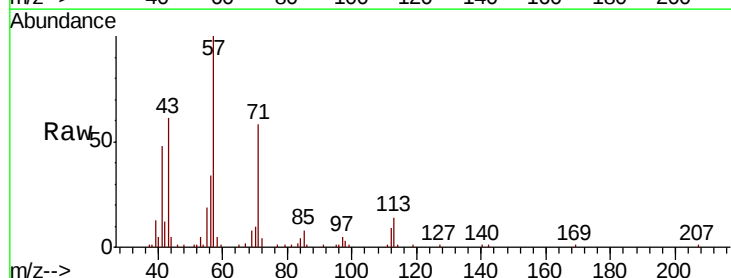
Ion Ratio Lower Upper

43 100

70 23.1 28.6 43.0#

55 0.0 17.8 26.8#

61 0.0 17.0 25.6#

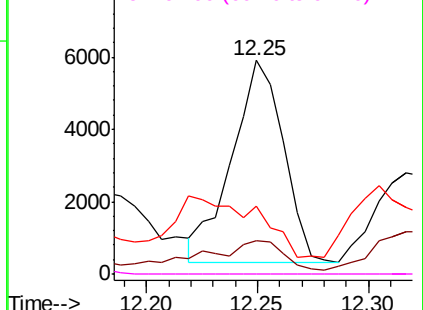
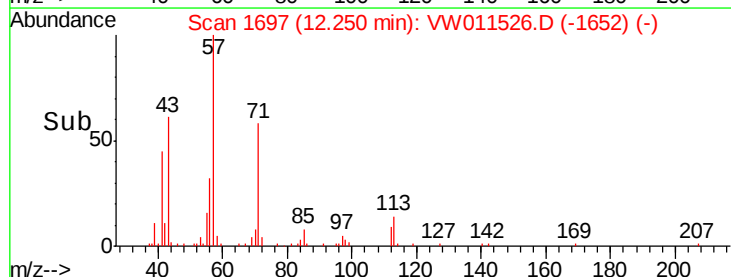


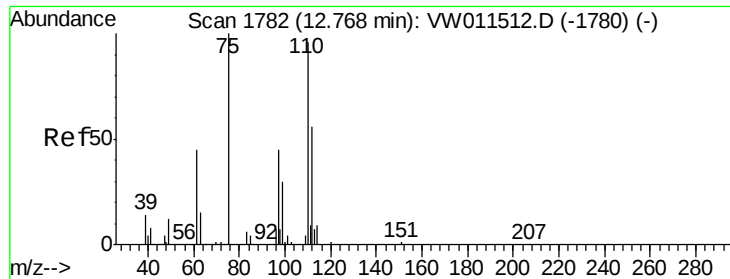
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 60.150 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011526.D

Acq: 26 Jul 2019 19:41

Instrument :

MSVOA_W

ClientSampleId :

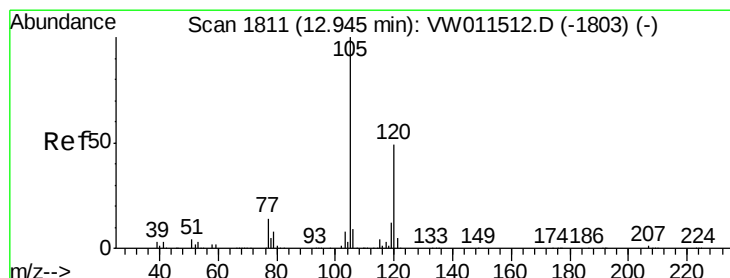
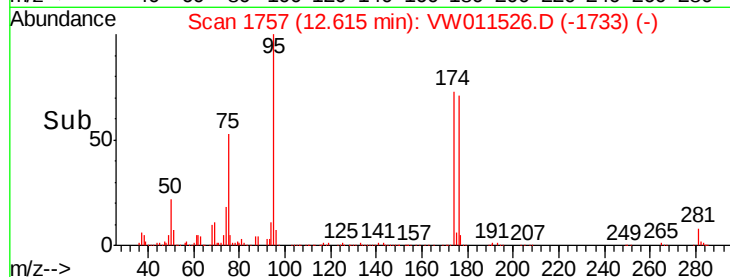
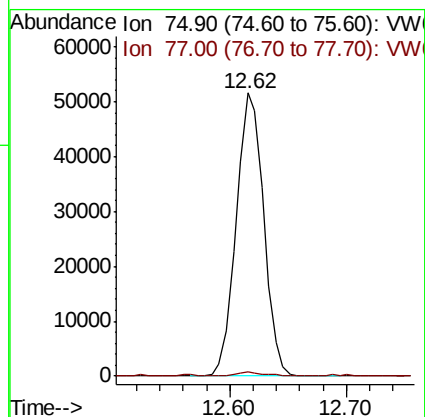
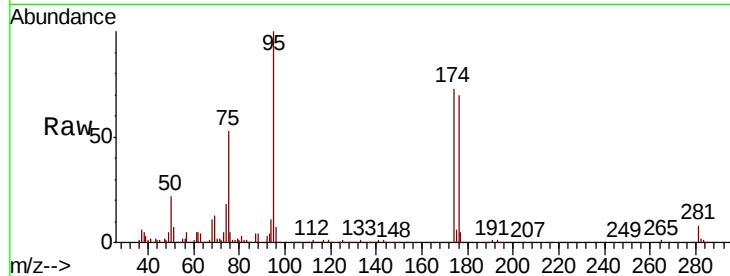
CL-02-072519-D

Tot Ion: 75 Resp: 84849

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 1.307 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011526.D

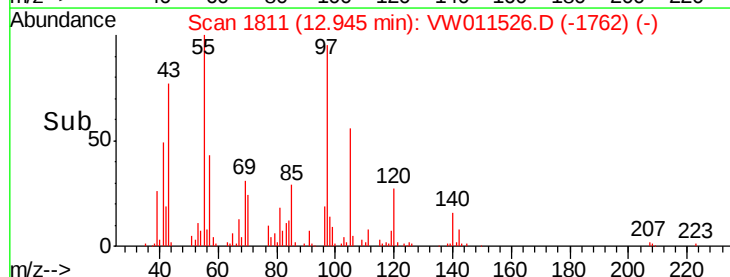
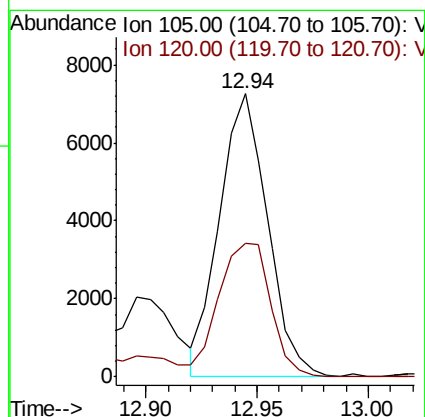
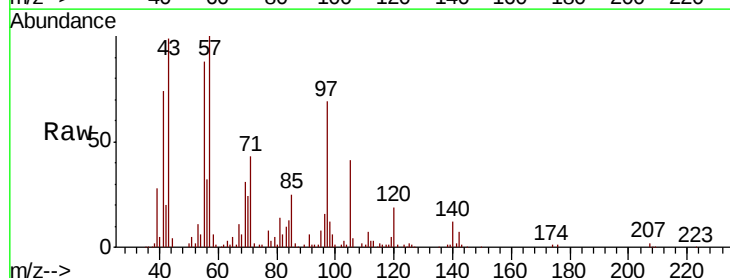
Acq: 26 Jul 2019 19:41

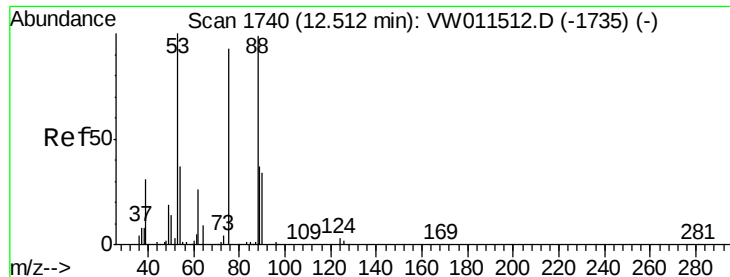
Tgt Ion: 105 Resp: 10899

Ion Ratio Lower Upper

105 100

120 50.8 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 138.625 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011526.D

Acq: 26 Jul 2019 19:41

Instrument :

MSVOA_W

ClientSampleId :

CL-02-072519-D

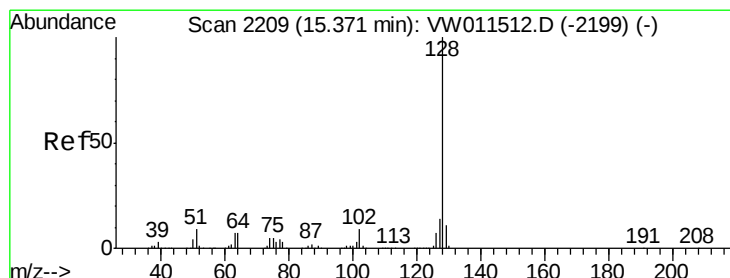
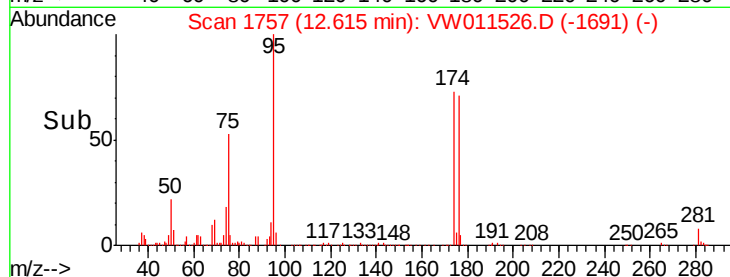
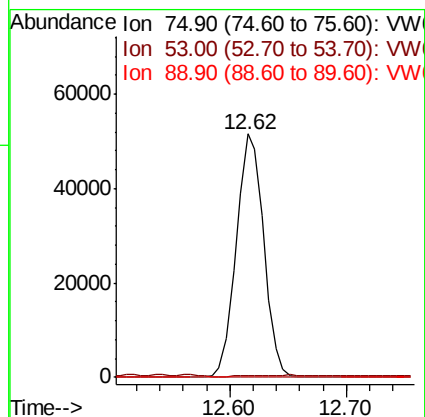
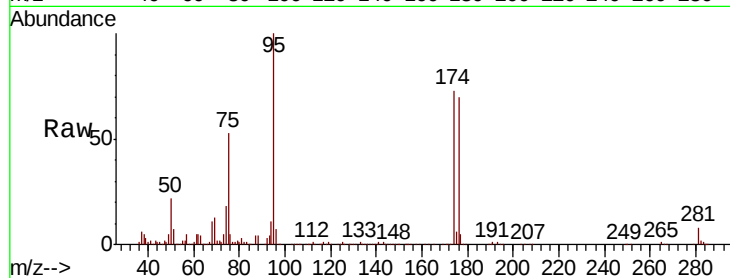
Tot Ion: 75 Resp: 84849

Ion Ratio Lower Upper

75 100

53 0.3 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.312 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011526.D

Acq: 26 Jul 2019 19:41

Tgt Ion: 128 Resp: 1350

Ion Ratio Lower Upper

128 100

127 15.9 10.6 16.0

129 0.0 8.6 13.0#

