

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012662.D
 Acq On : 06 Sep 2019 01:21
 Operator : SY/VA
 Sample : K4579-06
 Misc : 5.71G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-A3-(3.5)

Quant Time: Sep 06 07:57:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

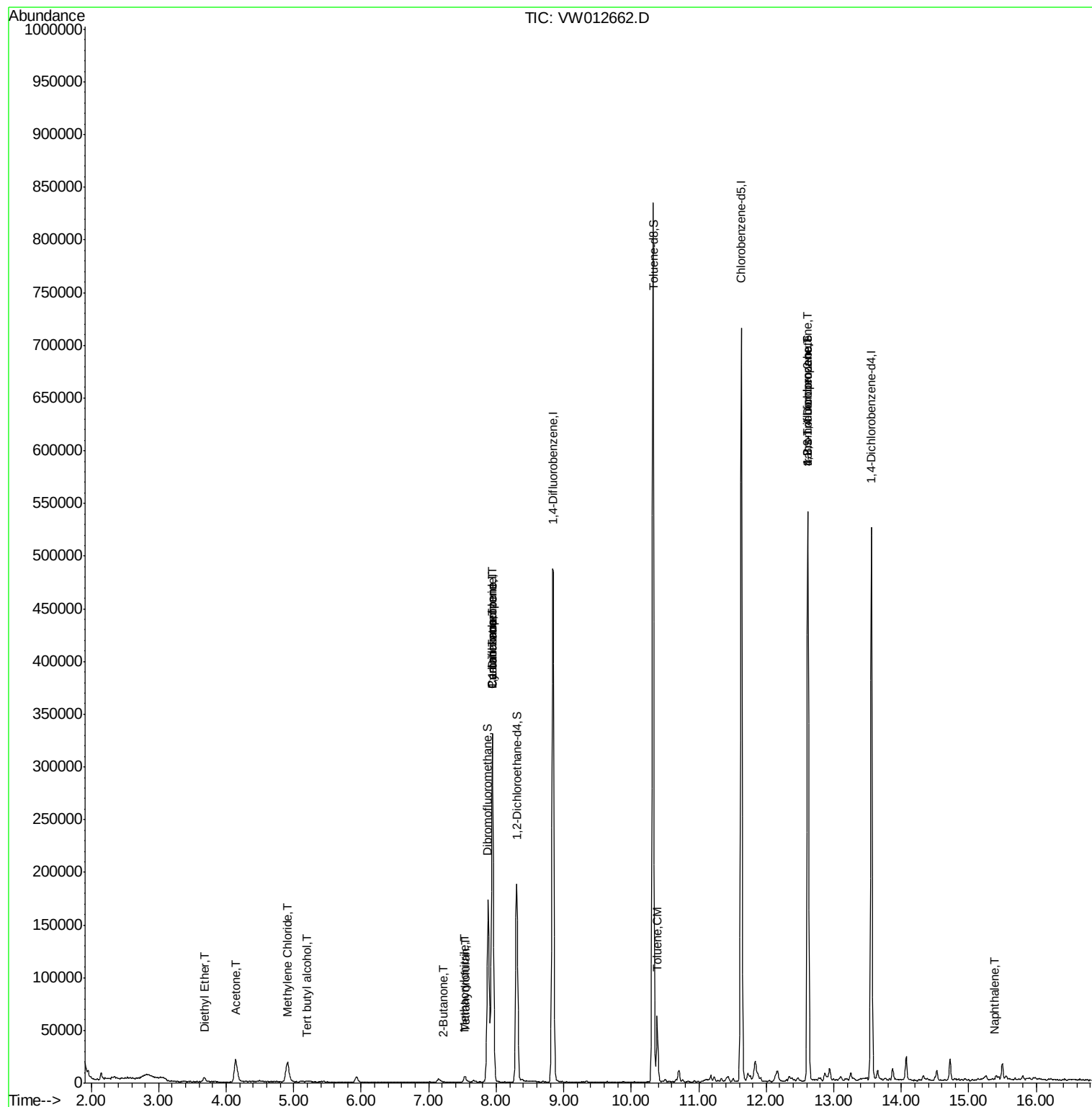
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	378110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134092	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	157741	55.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.00%	
35) Dibromofluoromethane	7.88	113	121353	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
50) Toluene-d8	10.32	98	528169	55.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.46%	
62) 4-Bromofluorobenzene	12.62	95	169056	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
Target Compounds						
8) Diethyl Ether	3.67	74	2369	1.764	ug/l	87
11) Tert butyl alcohol	5.19	59	314	1.819	ug/l #	75
16) Acetone	4.14	43	46792	63.823	ug/l	100
20) Methylene Chloride	4.91	84	13145	4.743	ug/l	97
25) 2-Butanone	7.21	43	1471	1.476	ug/l #	56
29) Tetrahydrofuran	7.54	42	5099	8.531	ug/l #	85
31) Cyclohexane	7.94	56	6332	1.226	ug/l #	17
36) 1,1-Dichloropropene	7.94	75	20175	4.941	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24272	6.868	ug/l #	16
41) Methacrylonitrile	7.54	41	3301	2.510	ug/l #	53
52) Toluene	10.38	92	24457	3.651	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	91451	70.026	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91451	153.534	ug/l #	6
95) Naphthalene	15.38	128	1122	4.524	ug/l #	74

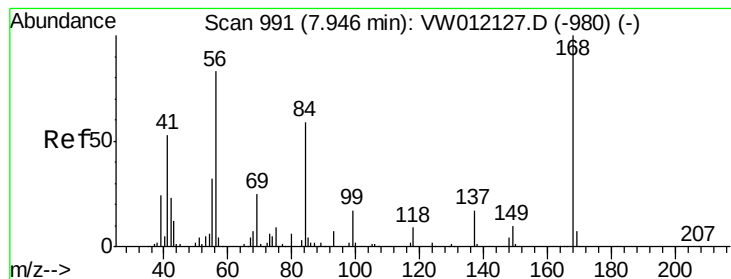
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012662.D

Acq: 06 Sep 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

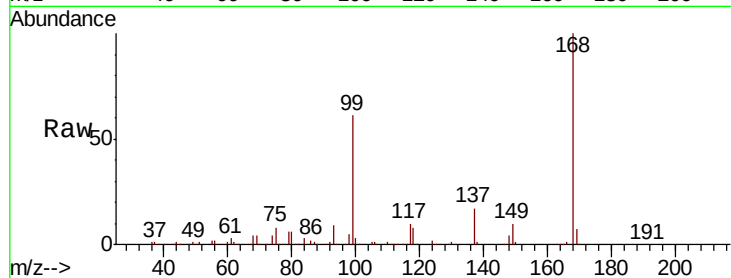
PAR-12-A3-(3.5)

Tgt Ion:168 Resp: 241273

Ion Ratio Lower Upper

168 100

99 61.3 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

120000

100000

80000

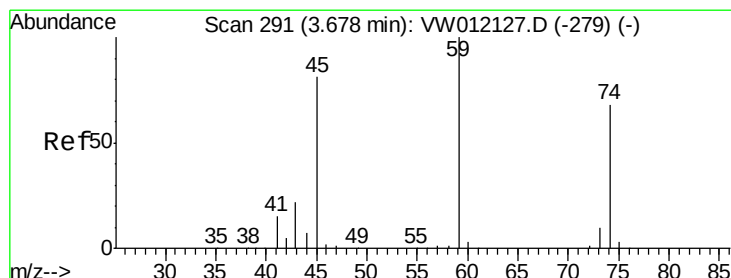
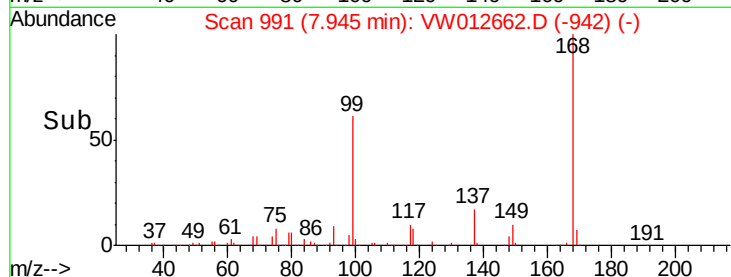
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.764 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012662.D

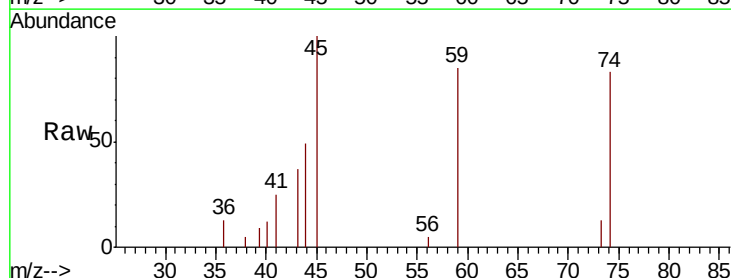
Acq: 06 Sep 2019 01:21

Tgt Ion: 74 Resp: 2369

Ion Ratio Lower Upper

74 100

45 133.2 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

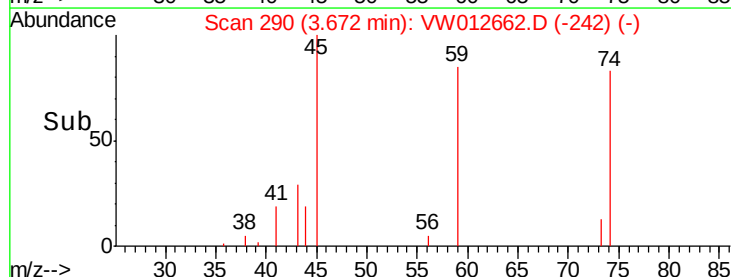
3.67

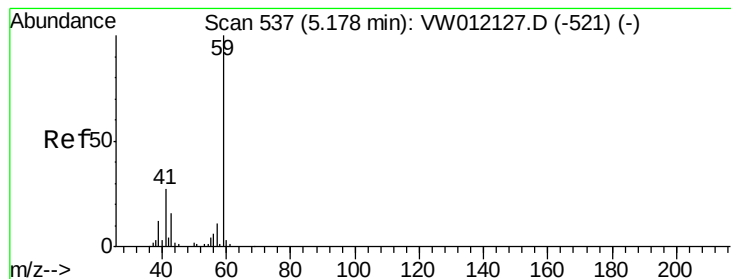
1000

500

0

Time--> 3.60 3.65 3.70 3.75



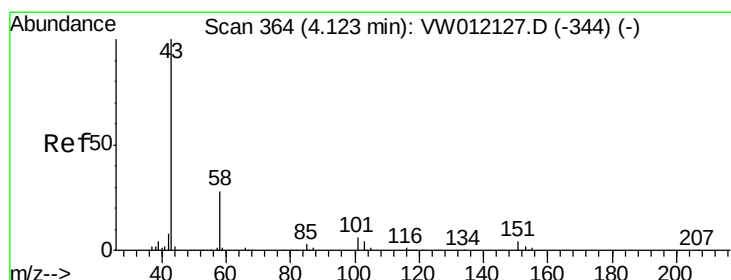
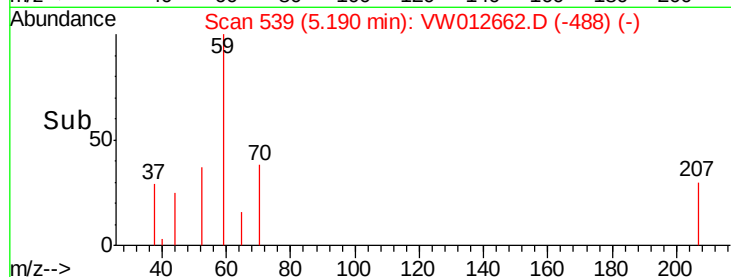
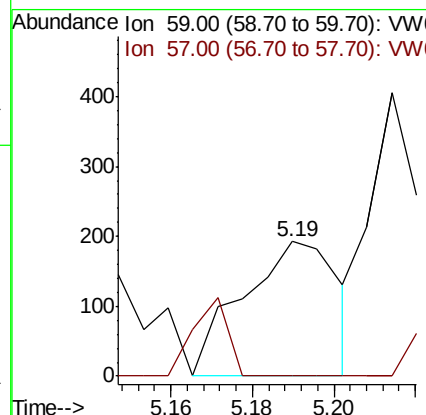
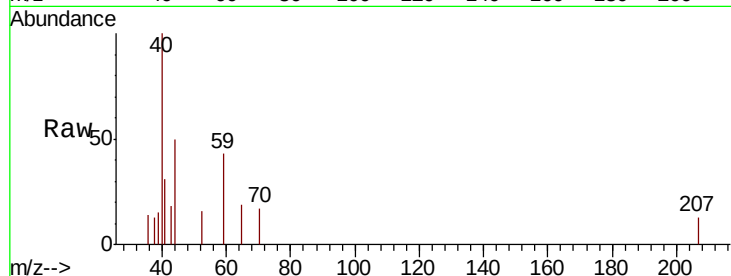


#11

Tert butyl alcohol
 Concen: 1.819 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW012662.D
 Acq: 06 Sep 2019 01:21

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-A3-(3.5)

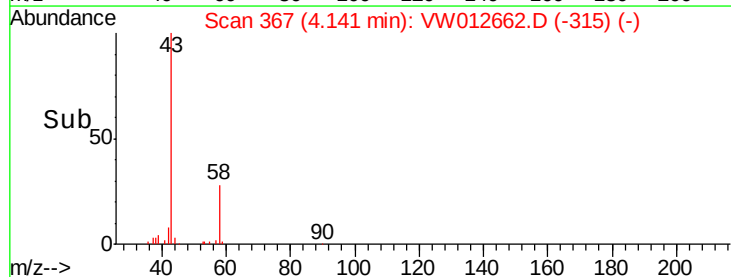
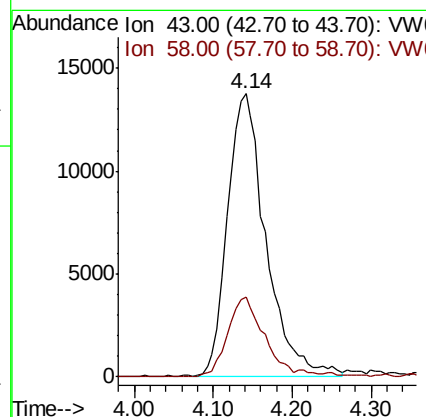
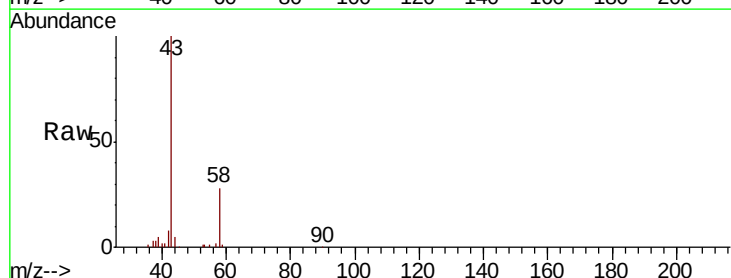
Tgt Ion: 59 Resp: 314
 Ion Ratio Lower Upper
 59 100
 57 20.7 9.0 13.4#

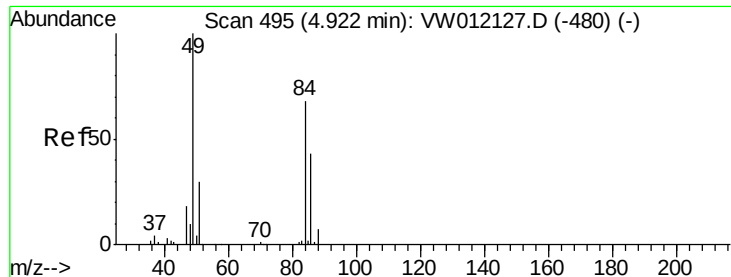


#16

Acetone
 Concen: 63.823 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW012662.D
 Acq: 06 Sep 2019 01:21

Tgt Ion: 43 Resp: 46792
 Ion Ratio Lower Upper
 43 100
 58 28.1 22.4 33.6

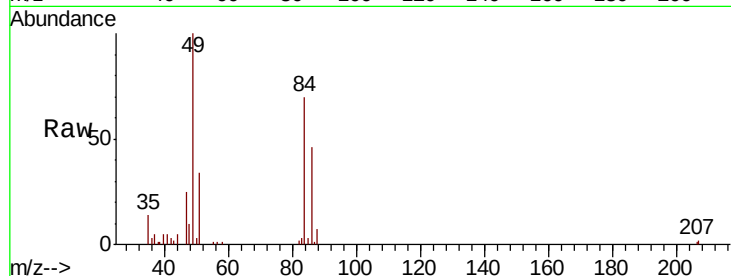




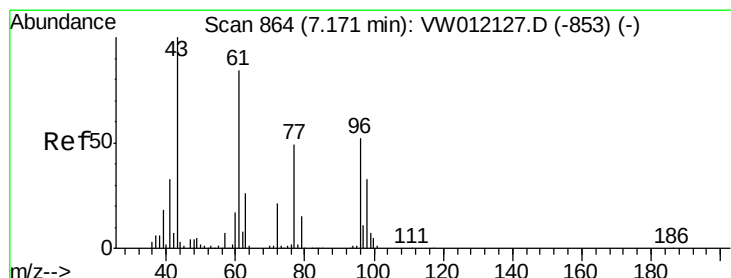
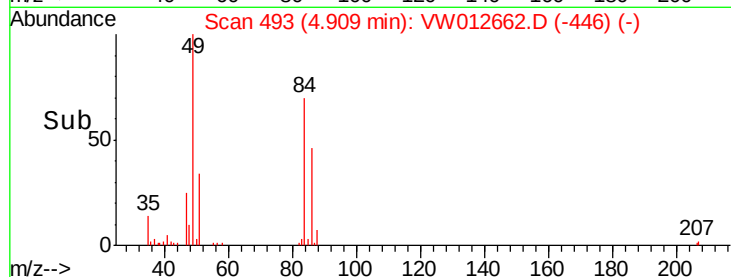
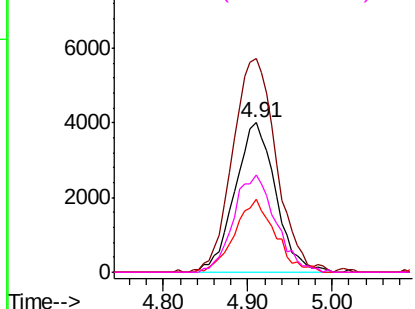
#20
Methylene Chloride
Concen: 4.743 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012662.D
Acq: 06 Sep 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A3-(3.5)

Tgt Ion: 84 Resp: 13145
Ion Ratio Lower Upper
84 100
49 142.9 117.8 176.8
51 48.5 35.6 53.4
86 65.3 51.2 76.8

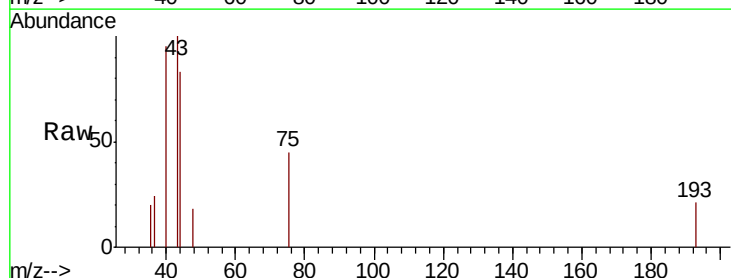


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

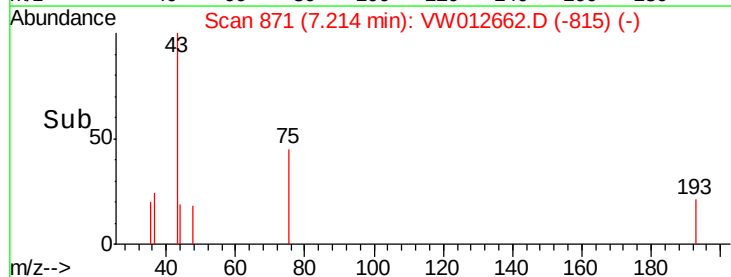
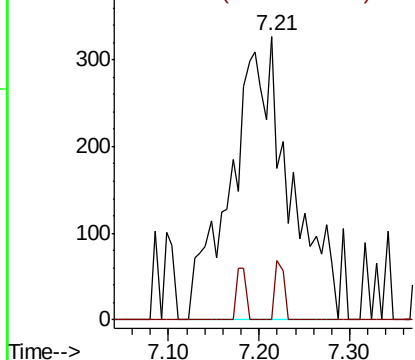


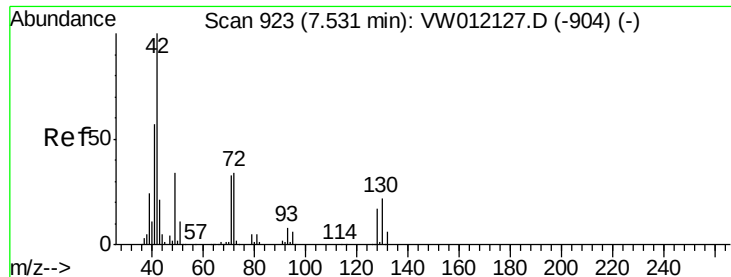
#25
2-Butanone
Concen: 1.476 ug/l
RT: 7.21 min Scan# 871
Delta R.T. 0.04 min
Lab File: VW012662.D
Acq: 06 Sep 2019 01:21

Tgt Ion: 43 Resp: 1471
Ion Ratio Lower Upper
43 100
72 0.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

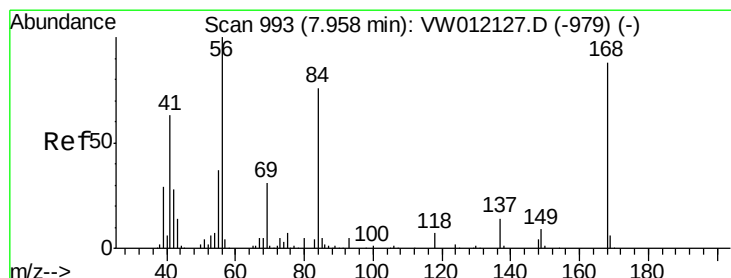
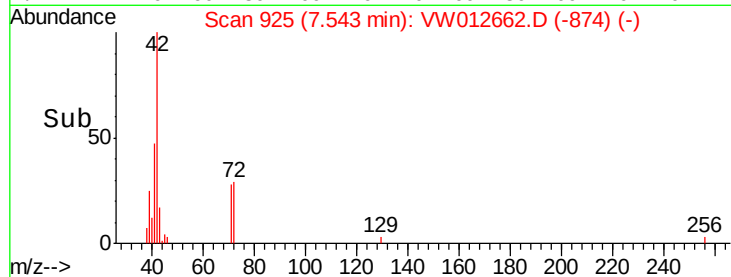
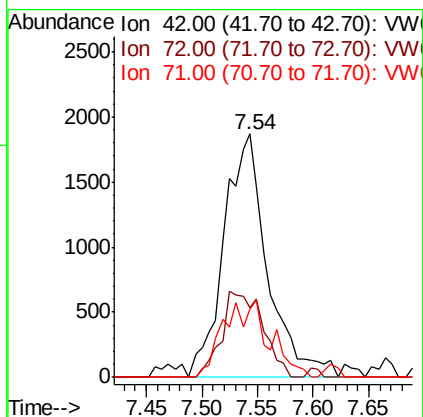
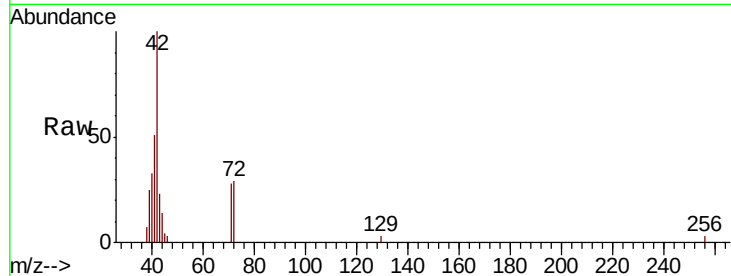




#29
Tetrahydrofuran
Concen: 8.531 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012662.D
Acq: 06 Sep 2019 01:21

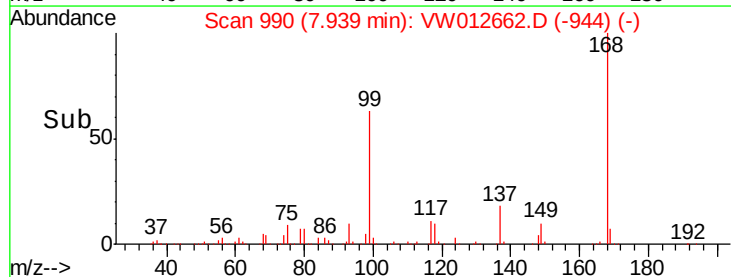
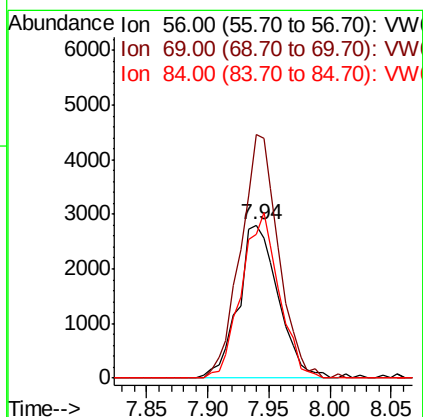
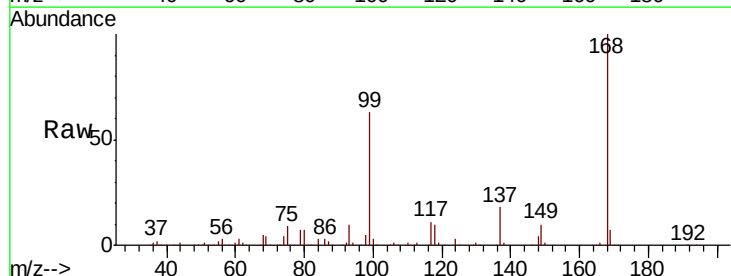
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A3-(3.5)

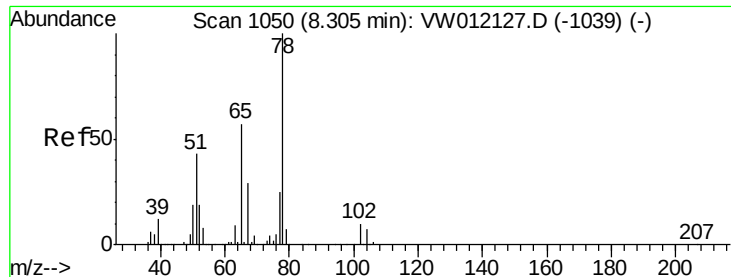
Tgt Ion: 42 Resp: 5099
Ion Ratio Lower Upper
42 100
72 33.1 27.3 40.9
71 16.2 25.5 38.3#



#31
Cyclohexane
Concen: 1.226 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012662.D
Acq: 06 Sep 2019 01:21

Tgt Ion: 56 Resp: 6332
Ion Ratio Lower Upper
56 100
69 158.9 24.9 37.3#
84 94.0 60.6 90.8#

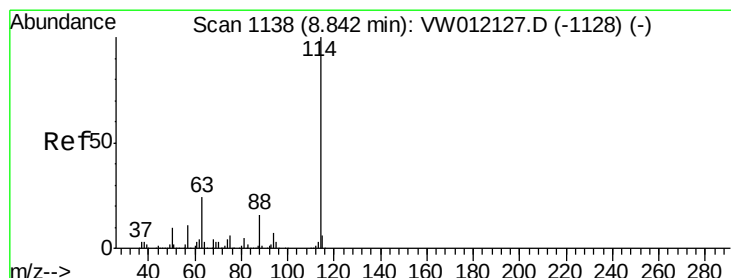
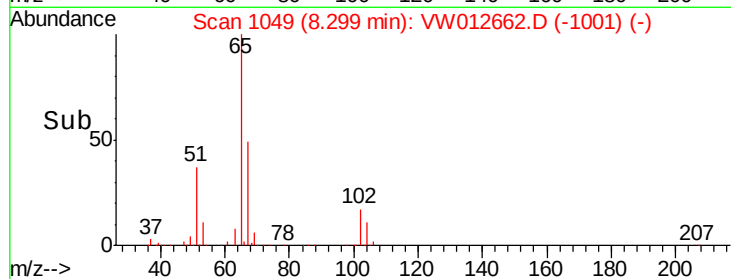
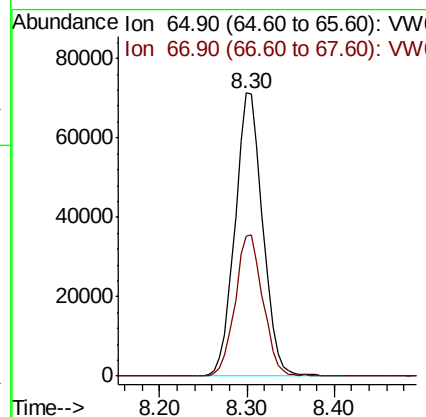
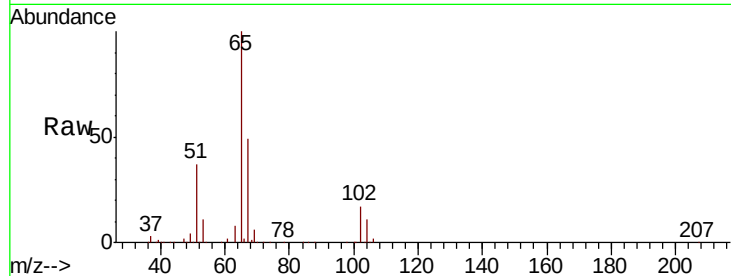




#33
 1,2-Dichloroethane-d4
 Concen: 54.998 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012662.D
 Acq: 06 Sep 2019 01:21

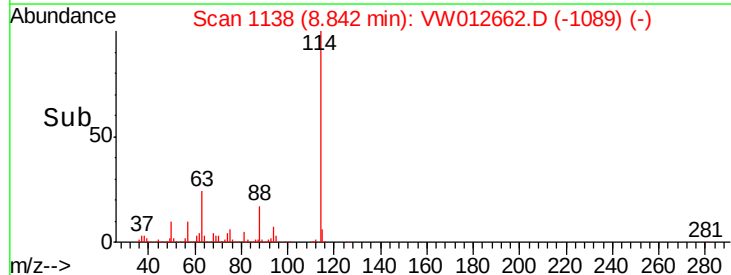
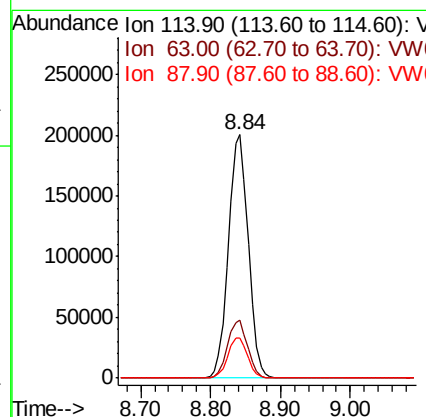
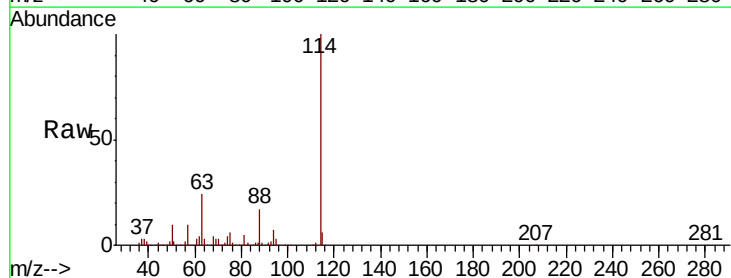
Instrument :
 MSVOA_W
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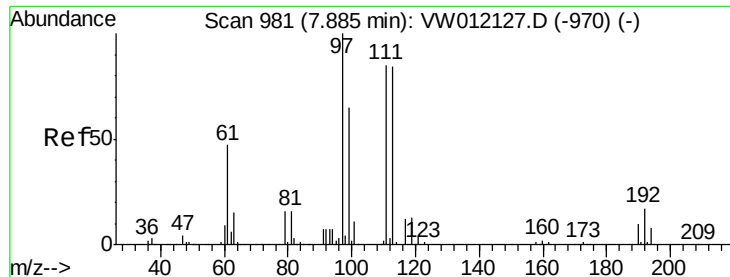
Tgt Ion: 65 Resp: 157741
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012662.D
 Acq: 06 Sep 2019 01:21

Tgt Ion: 114 Resp: 395133
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.6
 88 16.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.452 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012662.D

Acq: 06 Sep 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-A3-(3.5)

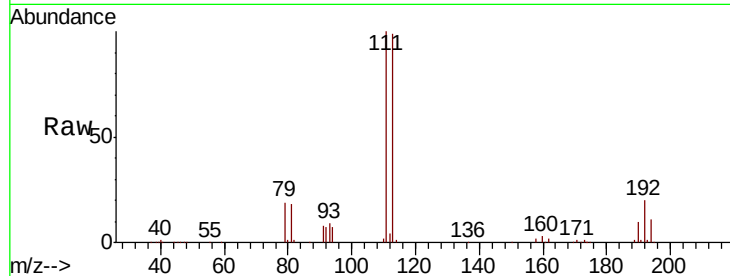
Tgt Ion:113 Resp: 121353

Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

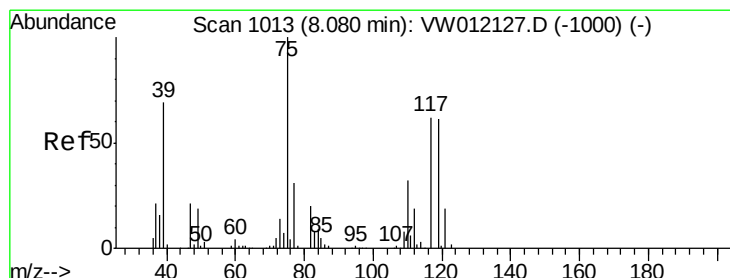
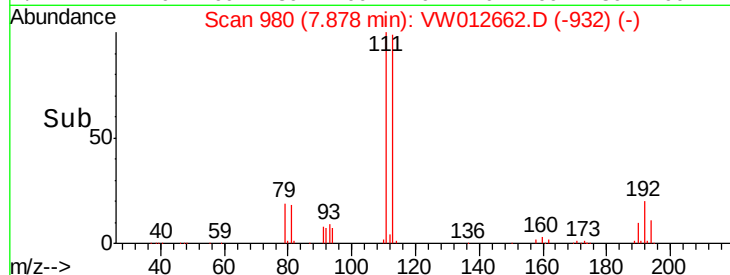
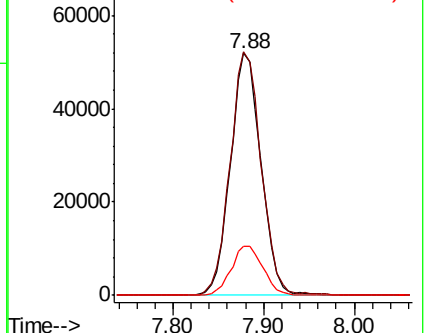
192 21.1 16.2 24.2



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: 4.941 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012662.D

Acq: 06 Sep 2019 01:21

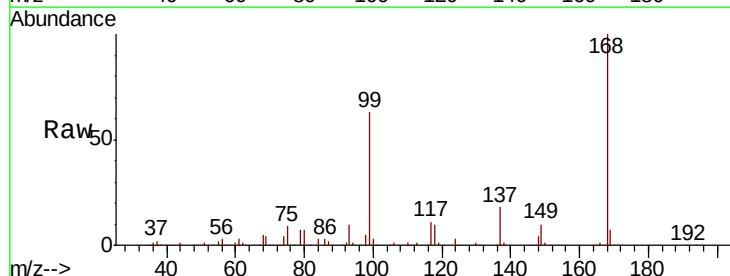
Tgt Ion: 75 Resp: 20175

Ion Ratio Lower Upper

75 100

110 10.0 15.6 46.8#

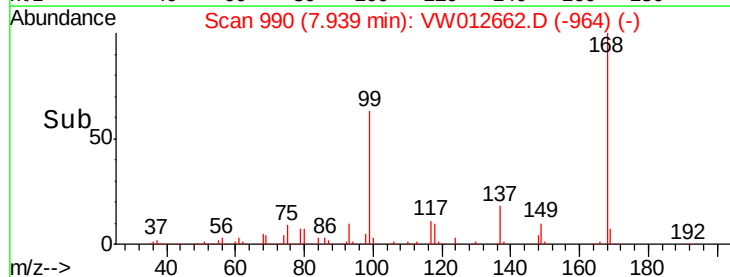
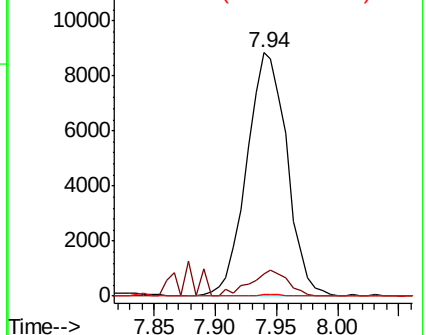
77 0.3 24.6 36.8#

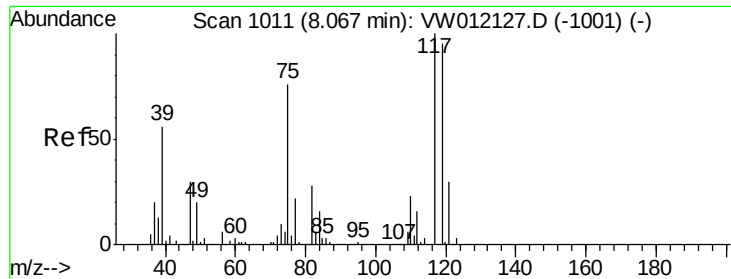


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

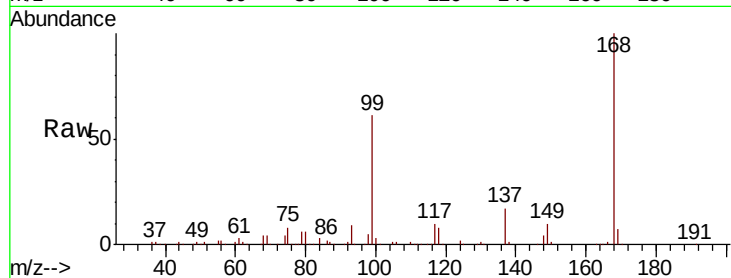




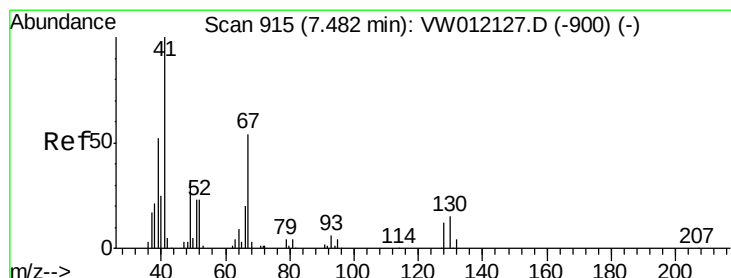
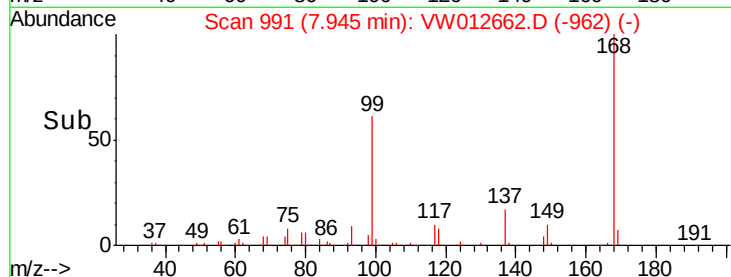
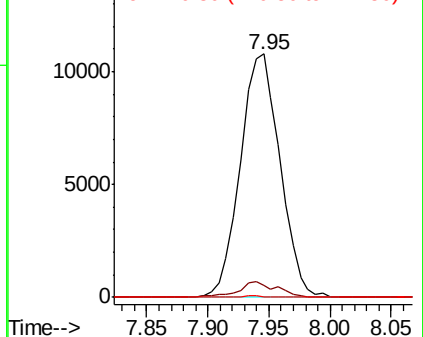
#38
Carbon Tetrachloride
Concen: 6.868 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012662.D
Acq: 06 Sep 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A3-(3.5)

Tgt Ion: 117 Resp: 24272
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 23.8 35.8#

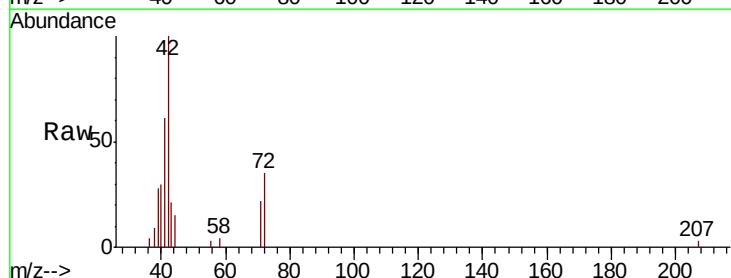


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

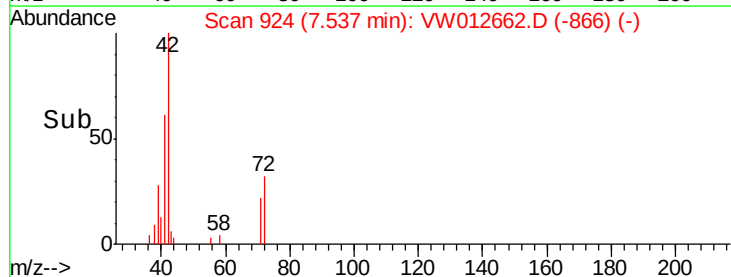
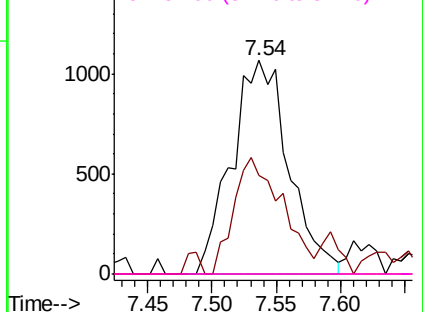


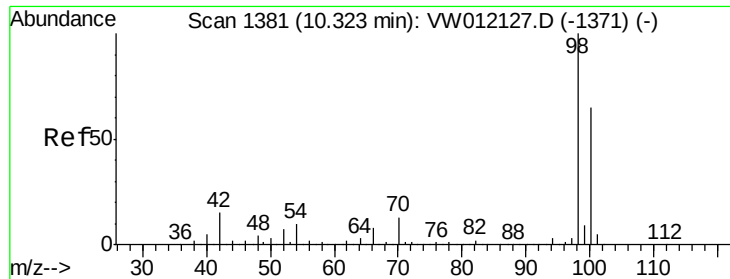
#41
Methacrylonitrile
Concen: 2.510 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012662.D
Acq: 06 Sep 2019 01:21

Tgt Ion: 41 Resp: 3301
Ion Ratio Lower Upper
41 100
39 46.3 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

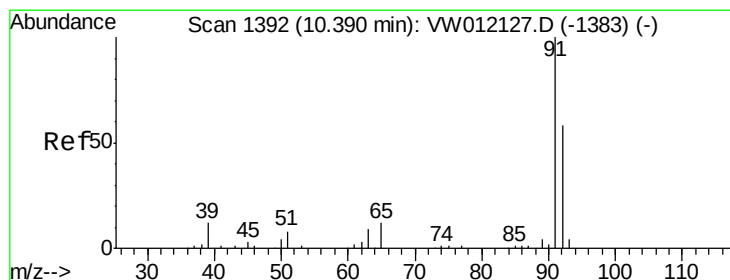
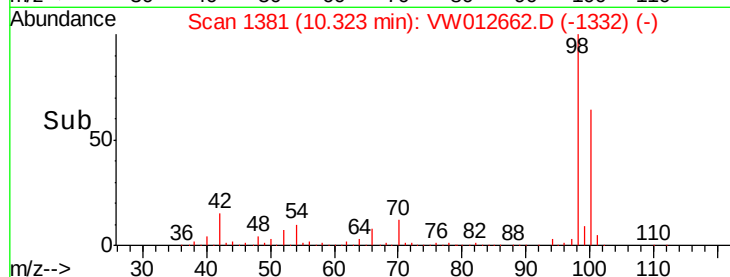
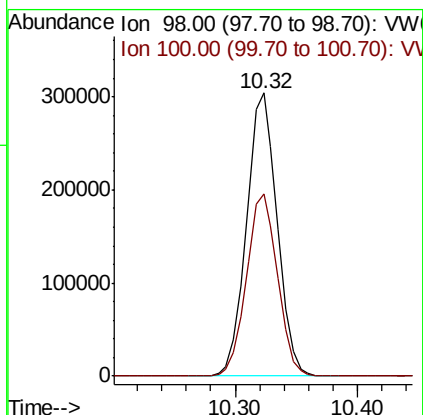
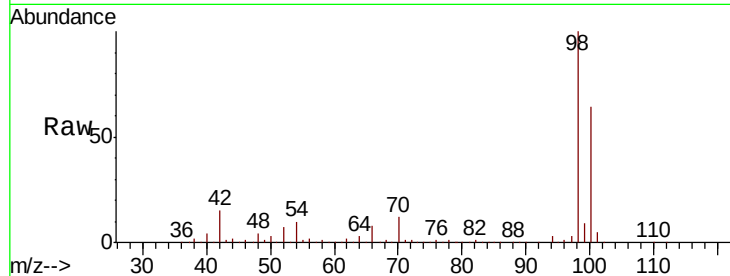




#50
Toluene-d8
Concen: 55.229 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012662.D
Acq: 06 Sep 2019 01:21

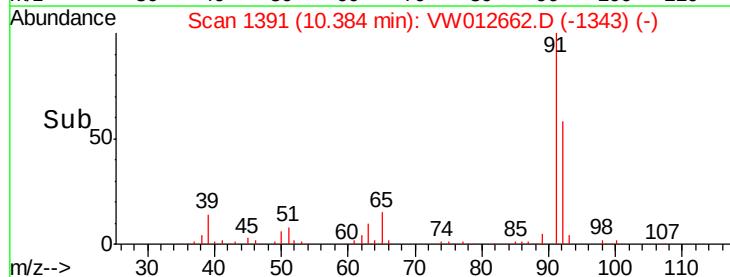
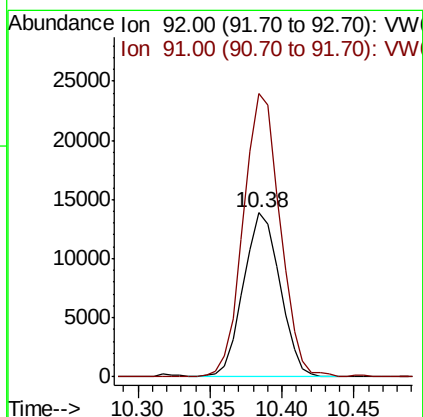
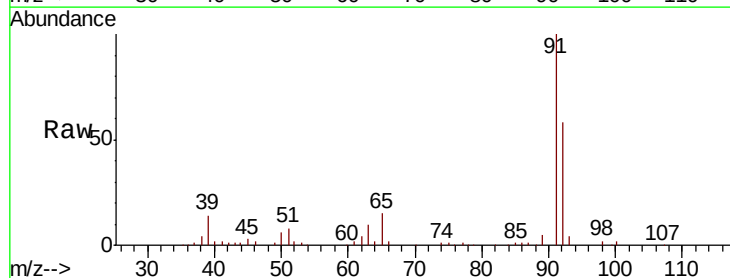
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A3-(3.5)

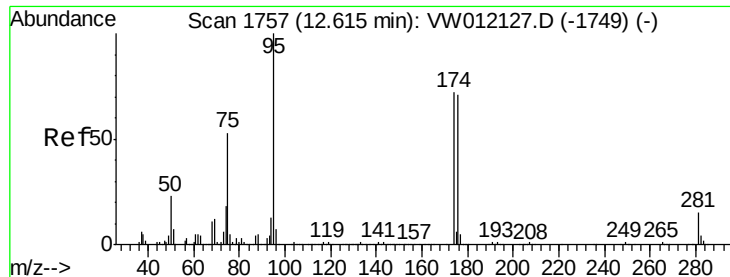
Tgt Ion: 98 Resp: 528169
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#52
Toluene
Concen: 3.651 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012662.D
Acq: 06 Sep 2019 01:21

Tgt Ion: 92 Resp: 24457
Ion Ratio Lower Upper
92 100
91 172.8 136.6 204.8

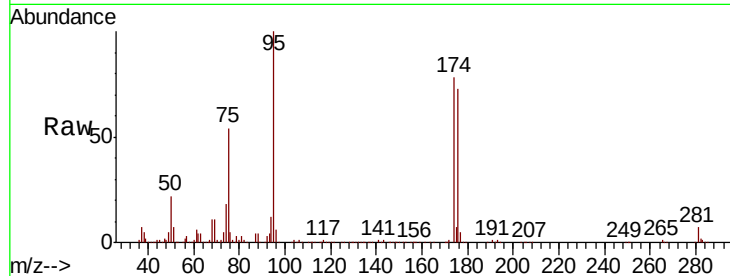




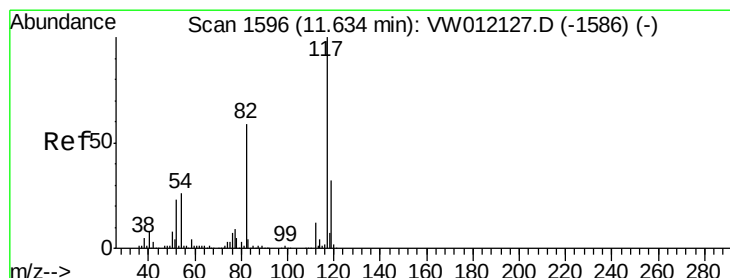
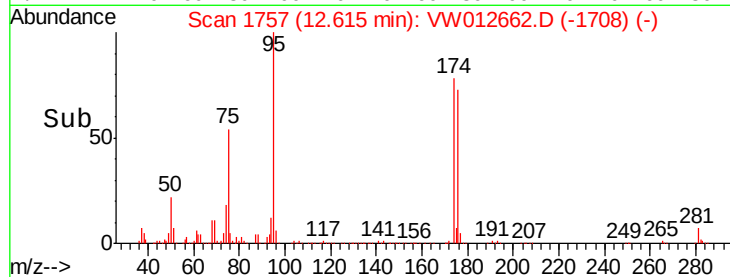
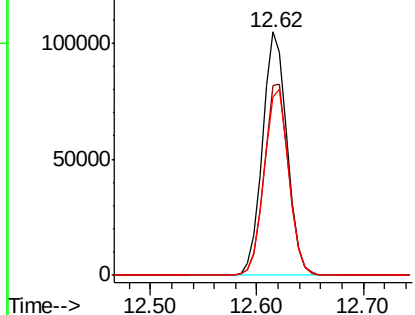
#62
4-Bromofluorobenzene
Concen: 50.149 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012662.D
Acq: 06 Sep 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A3-(3.5)

Tgt Ion	Resp	Lower	Upper
95	169056		
174	79.2	0.0	150.8
176	77.0	0.0	148.6

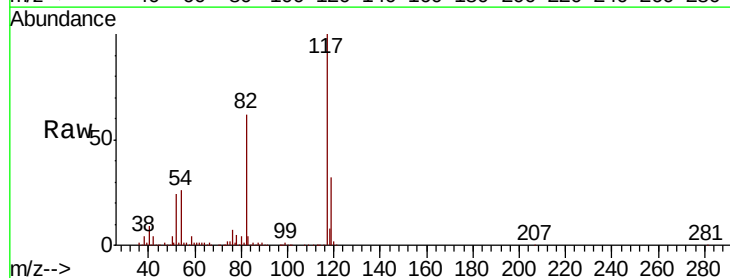


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

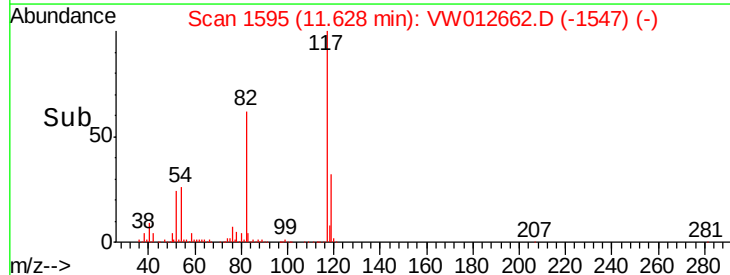
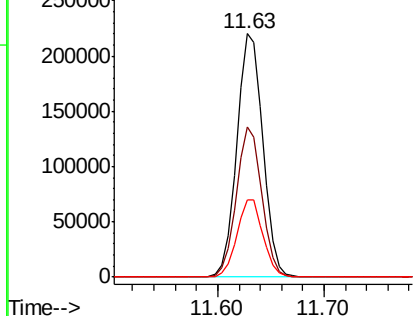


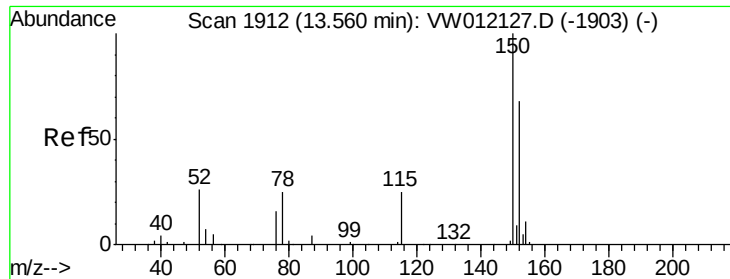
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012662.D
Acq: 06 Sep 2019 01:21

Tgt Ion	Resp	Lower	Upper
117	378110		
82	61.8	47.4	71.2
119	31.9	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



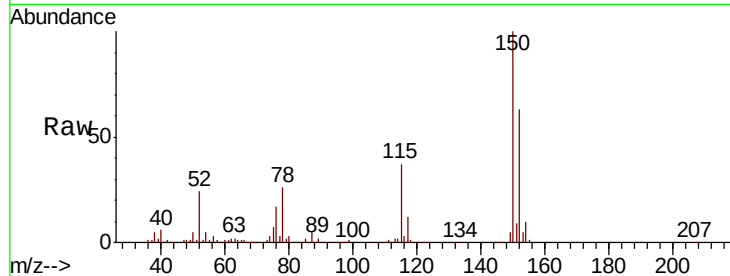


#72

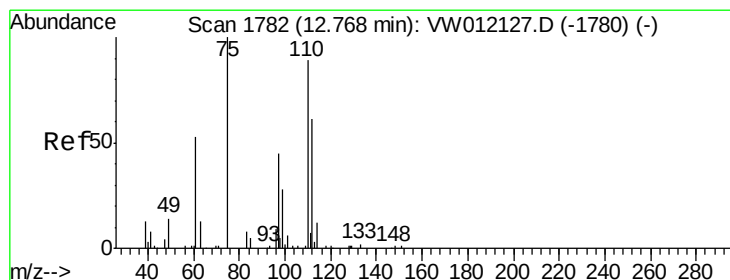
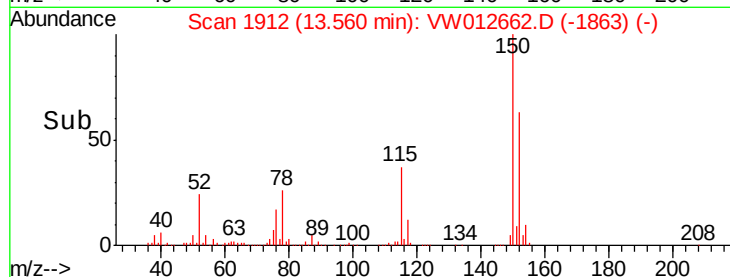
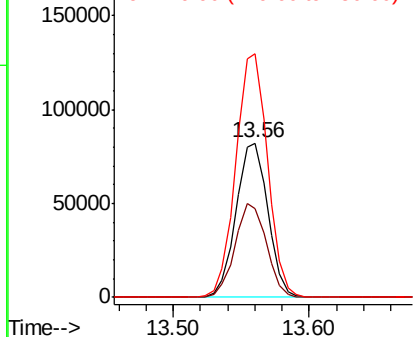
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012662.D
Acq: 06 Sep 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A3-(3.5)

Tgt Ion:152 Resp: 134092
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.3
150 157.7 0.0 345.8



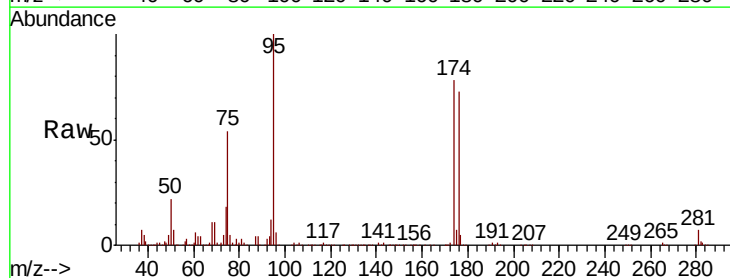
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



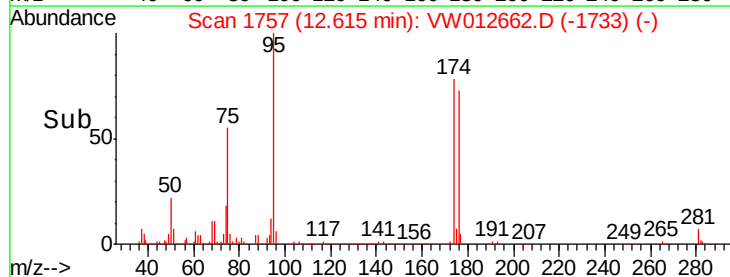
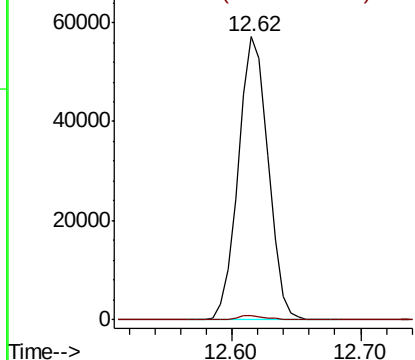
#76

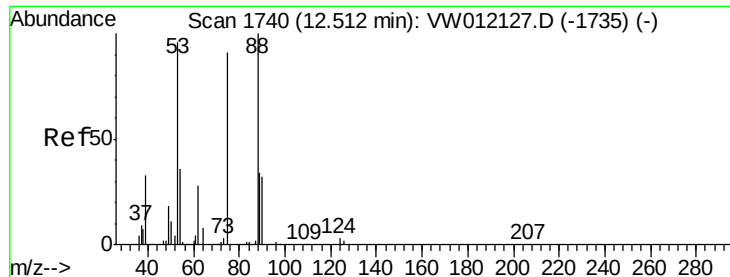
1,2,3-Trichloropropane
Concen: 70.026 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012662.D
Acq: 06 Sep 2019 01:21

Tgt Ion: 75 Resp: 91451
Ion Ratio Lower Upper
75 100
77 1.5 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: 153.534 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012662.D

Acq: 06 Sep 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-A3-(3.5)

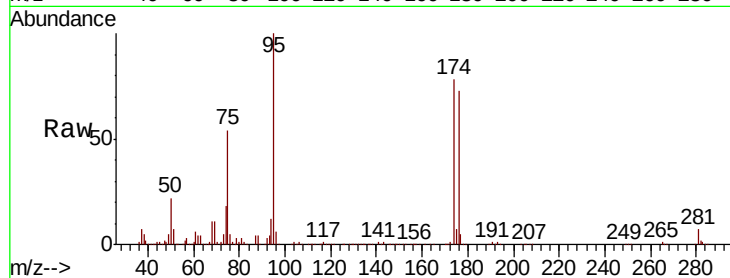
Tgt Ion: 75 Resp: 91451

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

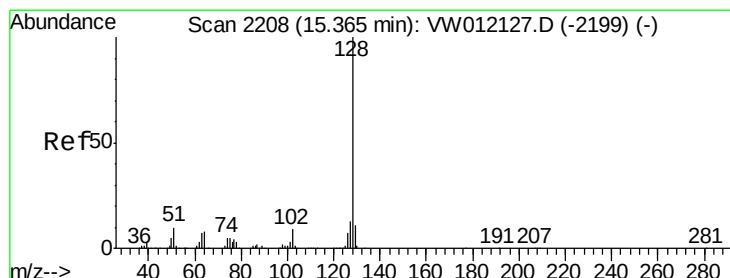
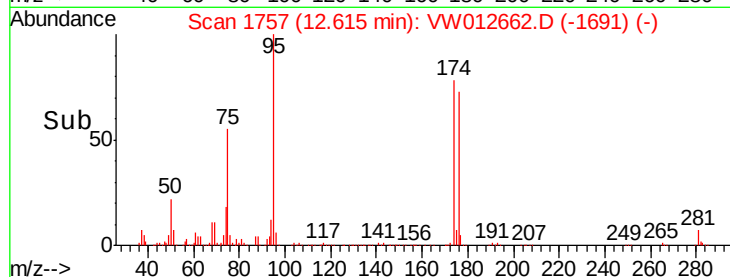
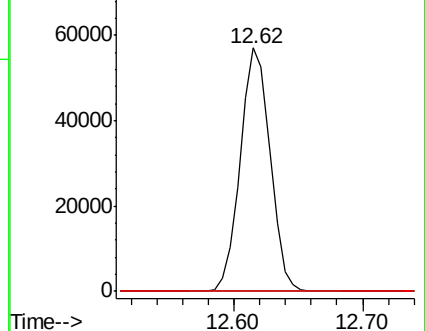
89 0.1 34.5 51.7#



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



#95

Naphthalene

Concen: 4.524 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012662.D

Acq: 06 Sep 2019 01:21

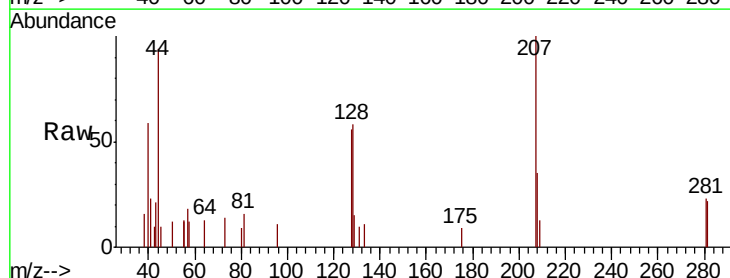
Tgt Ion: 128 Resp: 1122

Ion Ratio Lower Upper

128 100

127 1.8 10.7 16.1#

129 2.7 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

