

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064189.D
 Acq On : 11 Nov 2019 20:37
 Operator : VA/SY
 Sample : K5786-02
 Misc : 4.89G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OIL-CONTAMINATED-SAMPLE

Quant Time: Nov 12 04:02:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	504416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	874526	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	901808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	489168	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	292115	70.41	ug/l	0.00
Spiked Amount			Recovery	=	140.82%	
35) Dibromofluoromethane	7.92	113	280541	55.89	ug/l	0.00
Spiked Amount			Recovery	=	111.78%	
50) Toluene-d8	10.34	98	1064457	56.21	ug/l	0.00
Spiked Amount			Recovery	=	112.42%	
62) 4-Bromofluorobenzene	12.64	95	434091	66.19	ug/l	0.00
Spiked Amount			Recovery	=	132.38%	

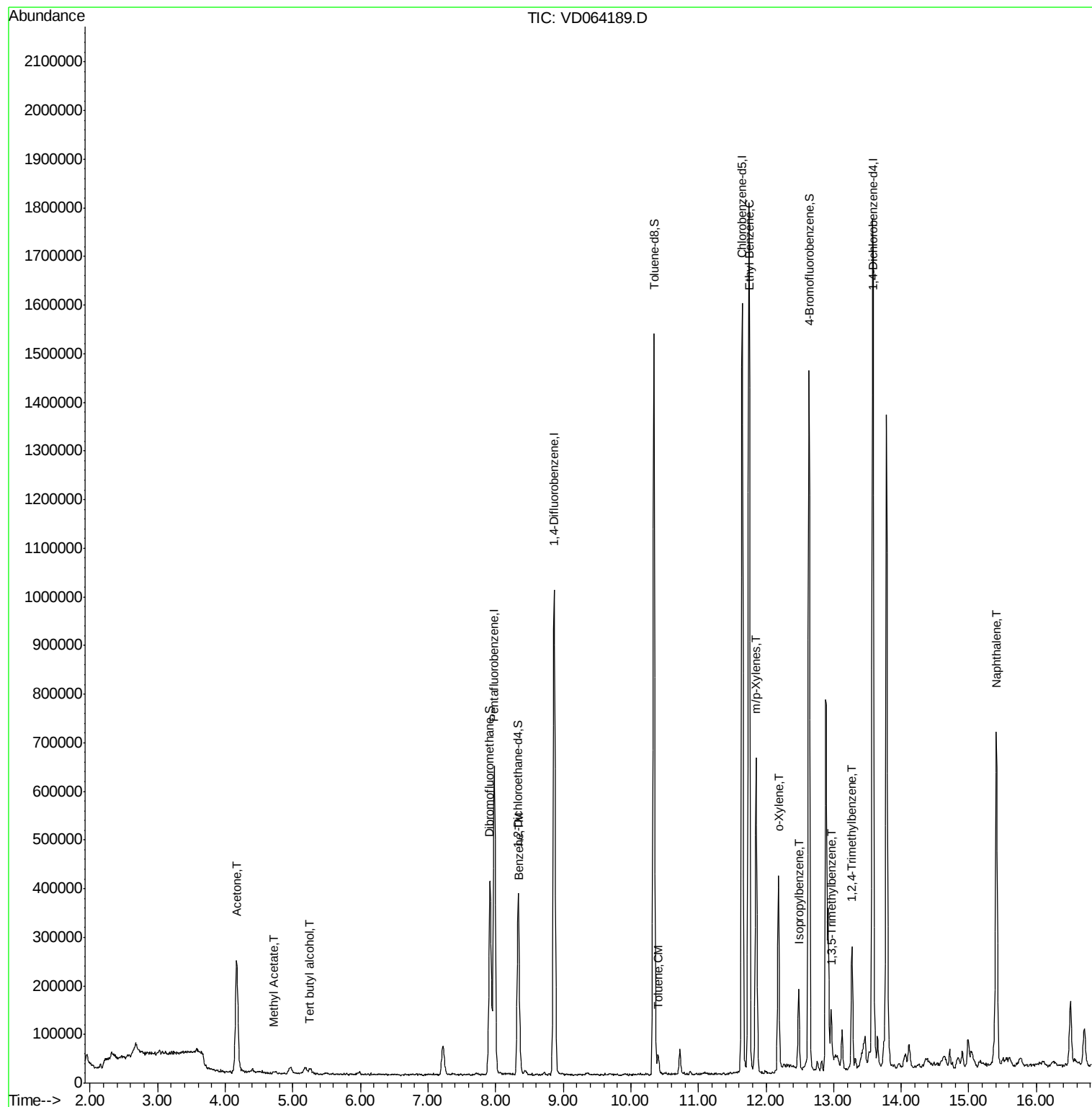
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	20454	70.590	ug/l	94
16) Acetone	4.17	43	417126	424.431	ug/l	99
18) Methyl Acetate	4.72	43	9161	3.337	ug/l #	74
40) Benzene	8.35	78	25276	1.146	ug/l	99
52) Toluene	10.40	92	15602	1.076	ug/l	98
67) Ethyl Benzene	11.75	91	1306578	39.389	ug/l	99
68) m/p-Xylenes	11.86	106	204391	16.075	ug/l	99
69) o-Xylene	12.18	106	109469	9.283	ug/l	95
73) Isopropylbenzene	12.48	105	108434	3.020	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	51612	1.749	ug/l	94
84) 1,2,4-Trimethylbenzene	13.27	105	139225	4.780	ug/l	100
95) Naphthalene	15.41	128	678722	39.163	ug/l	99

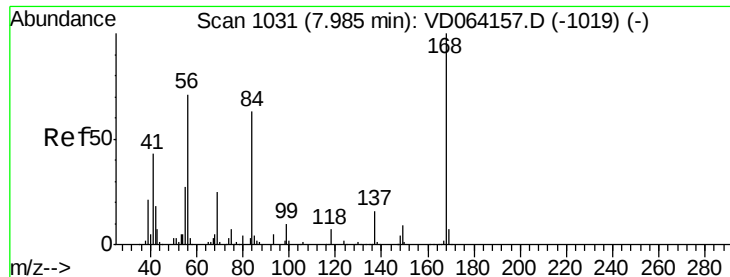
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064189.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

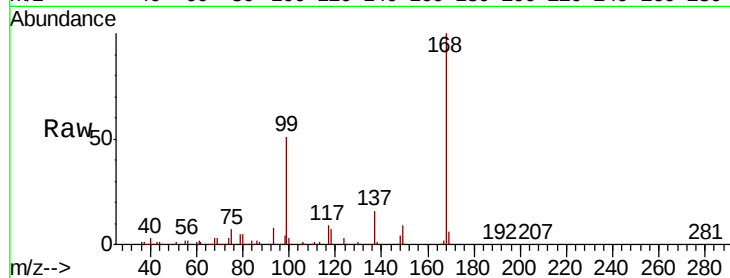
OIL-CONTAMINATED-SAMPLE

Tot Ion:168 Resp: 504416

Ion Ratio Lower Upper

168 100

99 50.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

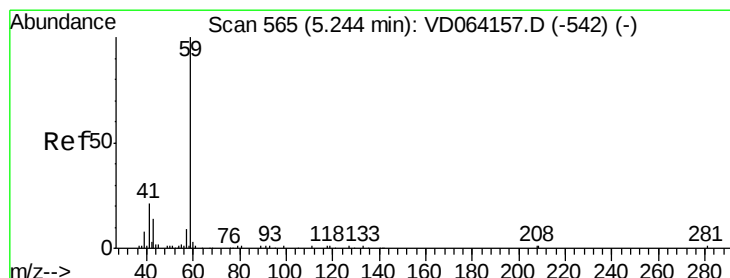
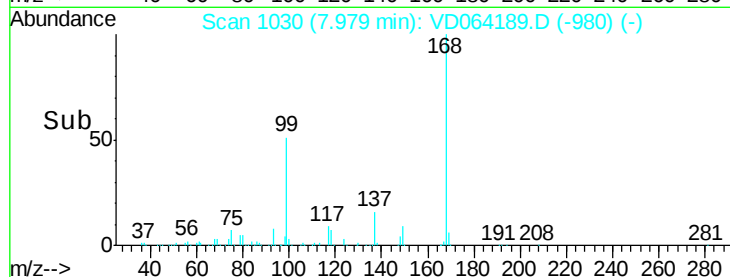
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 70.590 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD064189.D

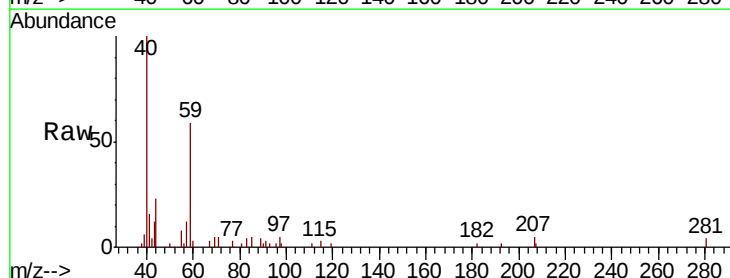
Acq: 11 Nov 2019 20:37

Tgt Ion: 59 Resp: 20454

Ion Ratio Lower Upper

59 100

57 9.5 9.4 14.2



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

6000

5000

4000

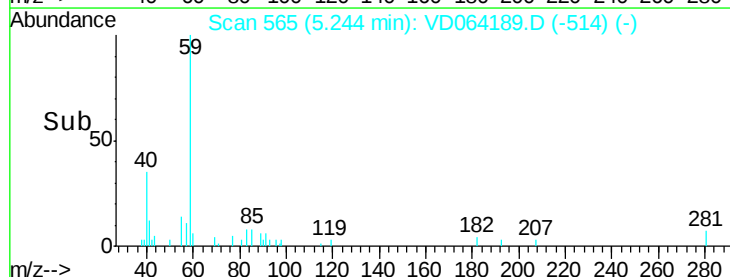
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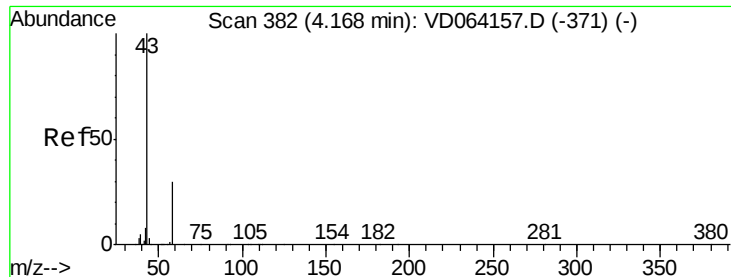
2000

1000

0

Time-->

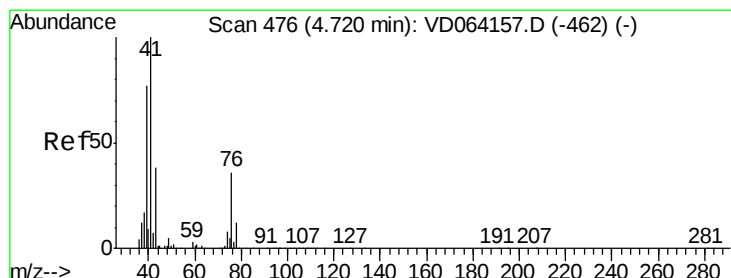
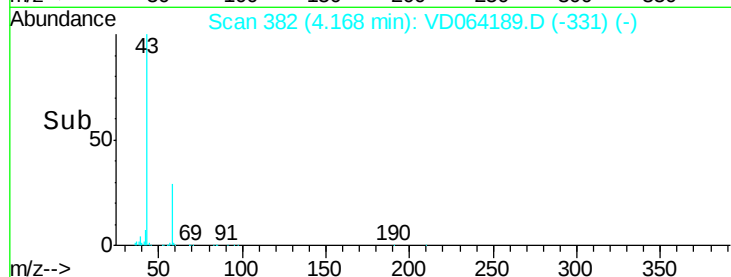
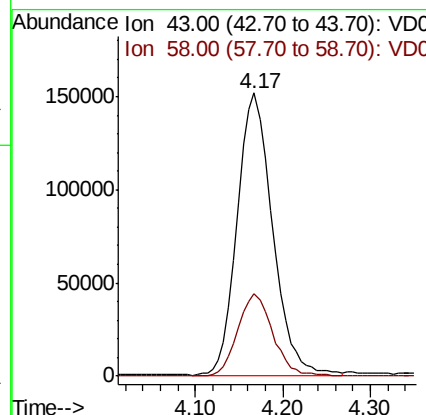
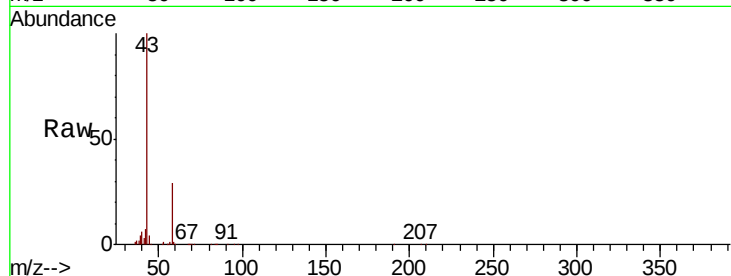




#16
Acetone
Concen: 424.431 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

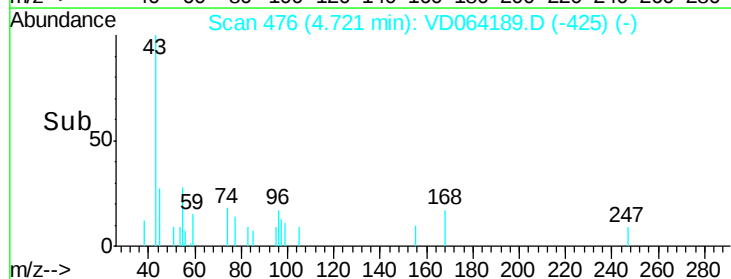
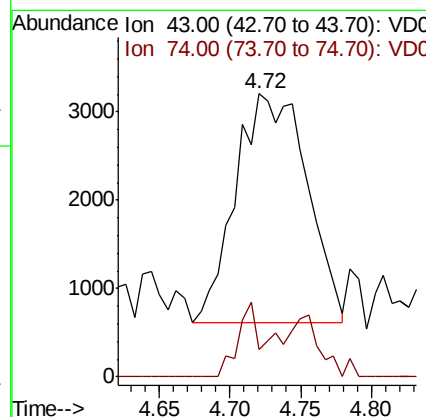
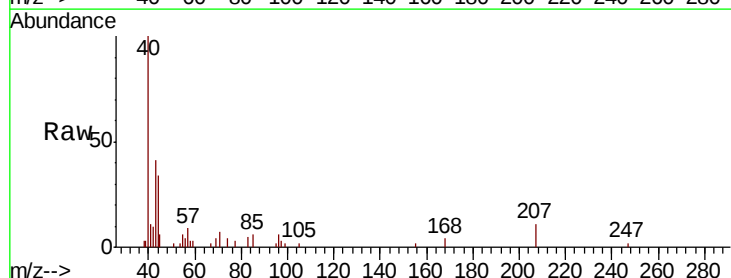
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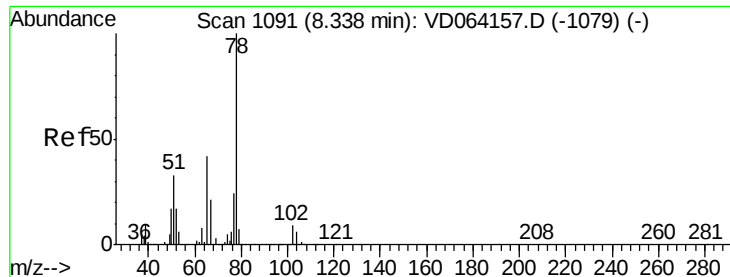
Tot Ion: 43 Resp: 417126
Ion Ratio Lower Upper
43 100
58 29.3 24.1 36.1



#18
Methyl Acetate
Concen: 3.337 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 43 Resp: 9161
Ion Ratio Lower Upper
43 100
74 10.3 18.4 27.6#

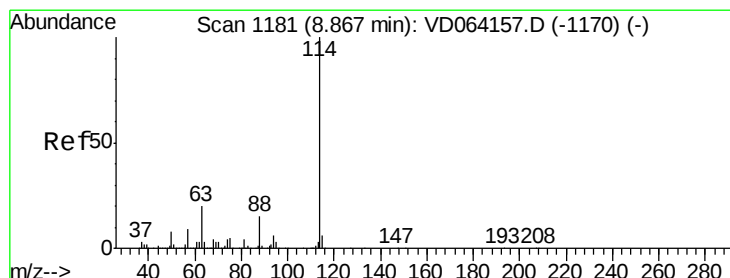
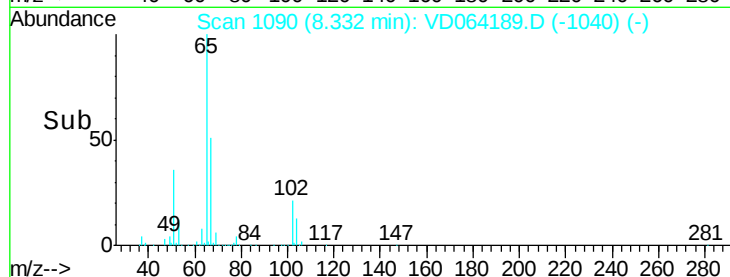
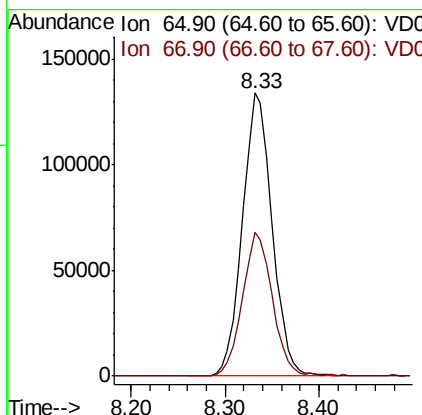
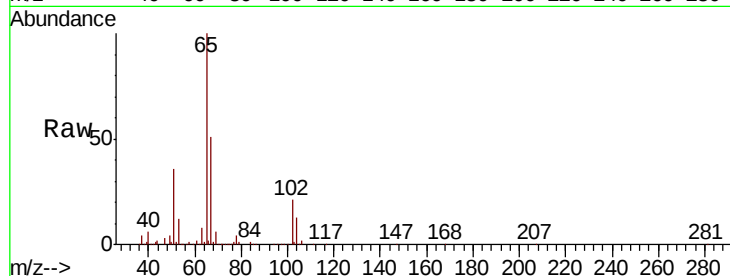




#33
 1,2-Dichloroethane-d4
 Concen: 70.414 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064189.D
 Acq: 11 Nov 2019 20:37

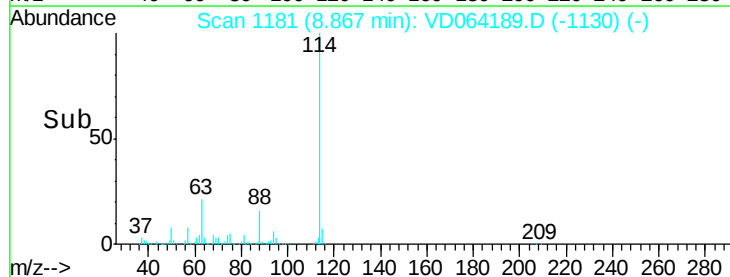
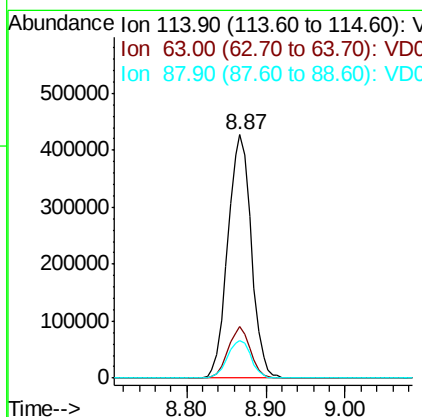
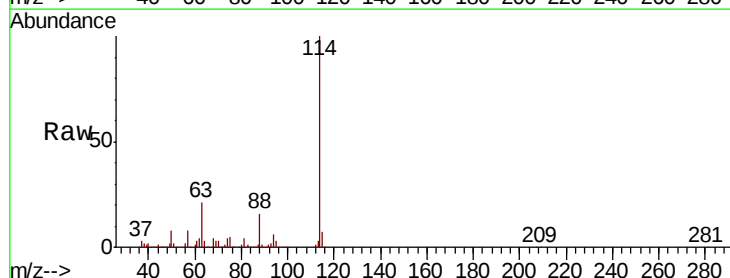
Instrument :
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 ClientSampleId :
 OIL-CONTAMINATED-SAMPLE

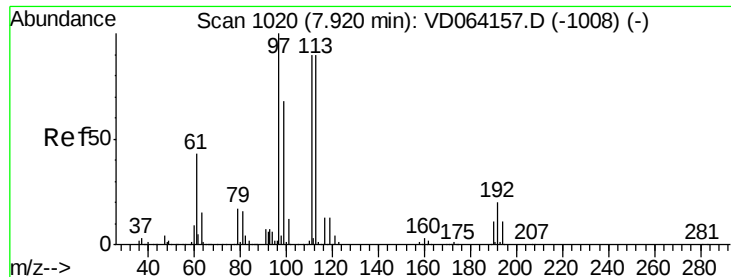
Tot Ion: 65 Resp: 292115
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064189.D
 Acq: 11 Nov 2019 20:37

Tgt Ion: 114 Resp: 874526
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.0
 88 15.5 0.0 30.2

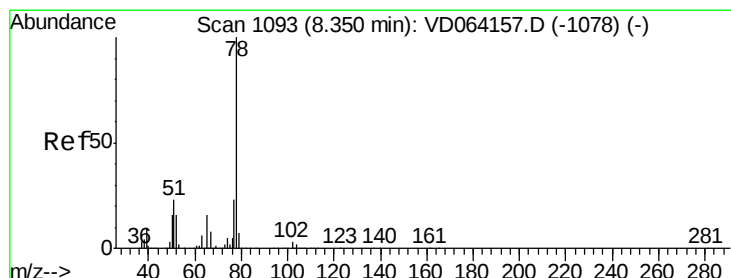
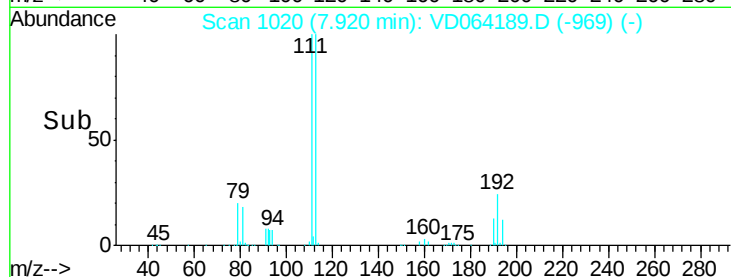
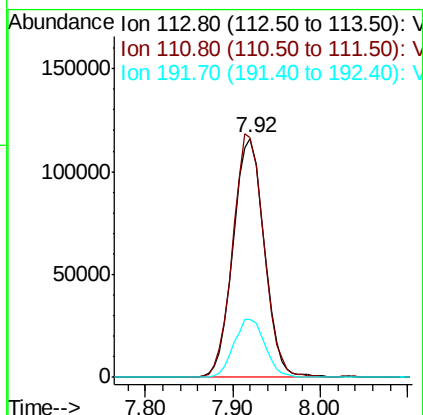
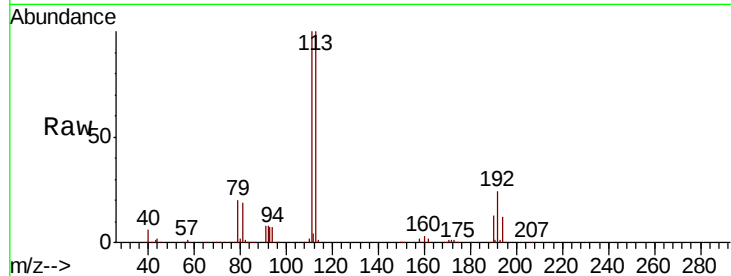




#35
Dibromofluoromethane
Concen: 55.886 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

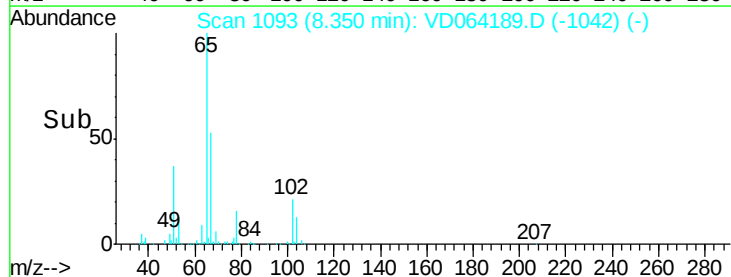
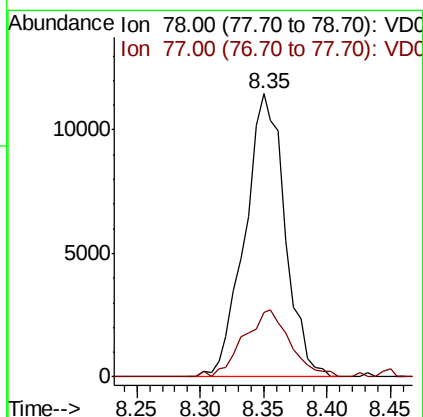
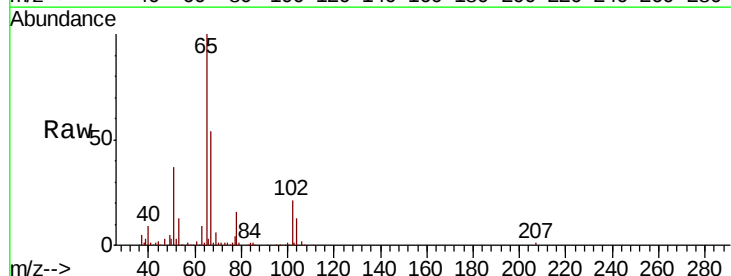
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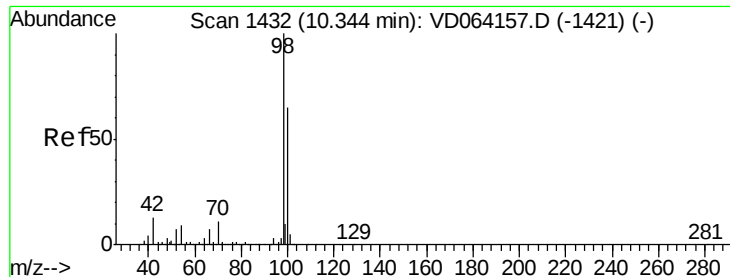
Tot Ion:113 Resp: 280541
Ion Ratio Lower Upper
113 100
111 101.3 81.5 122.3
192 24.4 18.8 28.2



#40
Benzene
Concen: 1.146 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 78 Resp: 25276
Ion Ratio Lower Upper
78 100
77 22.6 18.6 28.0

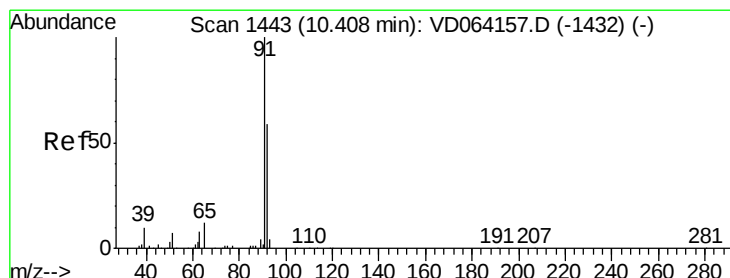
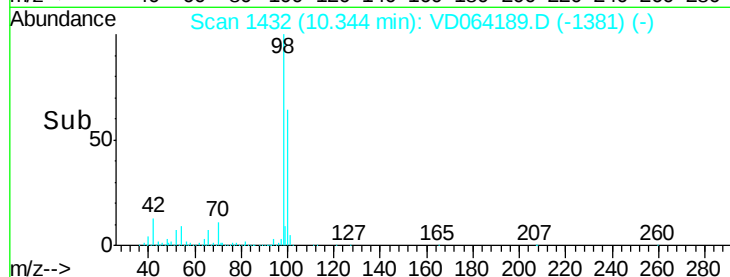
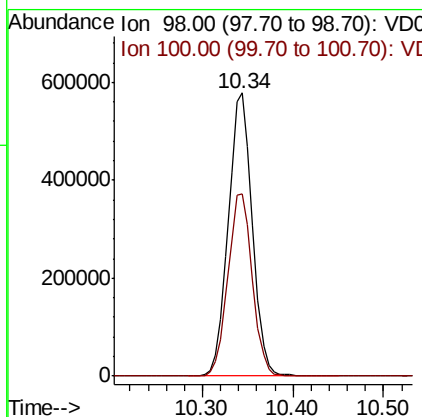
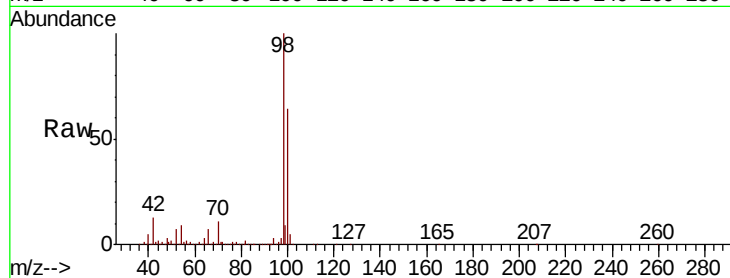




#50
Toluene-d8
Concen: 56.210 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

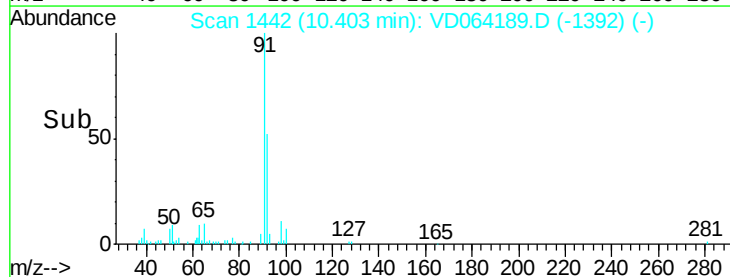
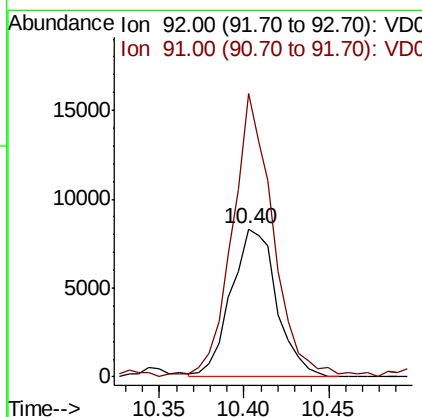
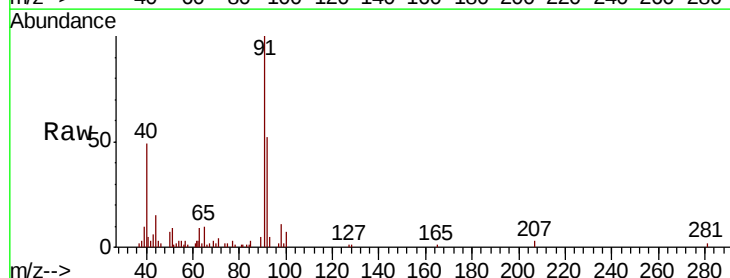
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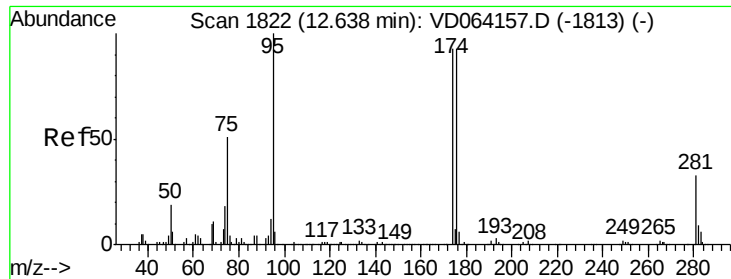
Tot Ion: 98 Resp: 1064457
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#52
Toluene
Concen: 1.076 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 92 Resp: 15602
Ion Ratio Lower Upper
92 100
91 172.9 136.4 204.6

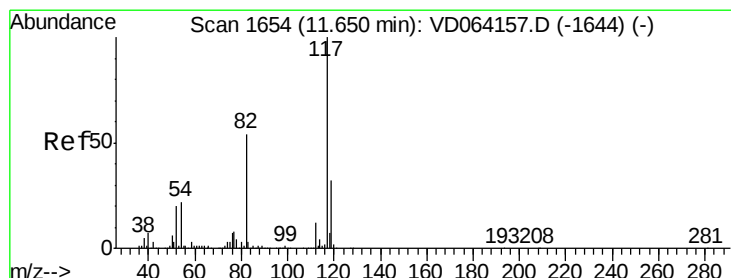
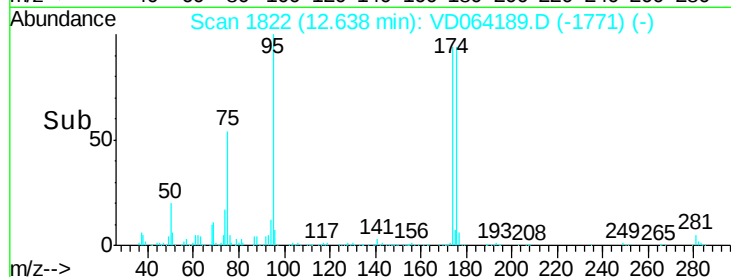
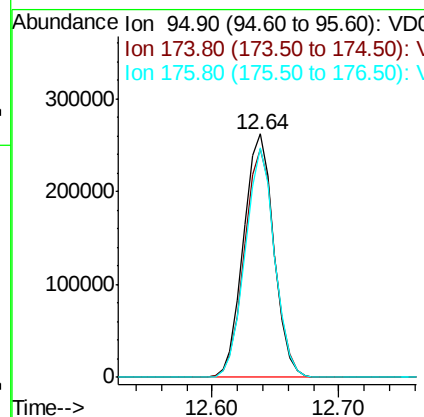
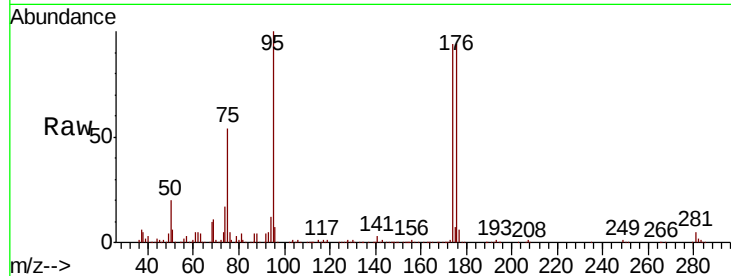




#62
4-Bromofluorobenzene
Concen: 66.191 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

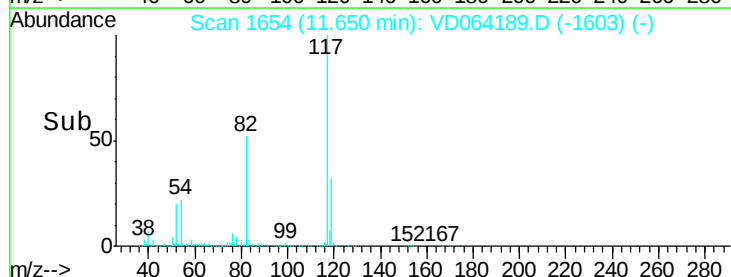
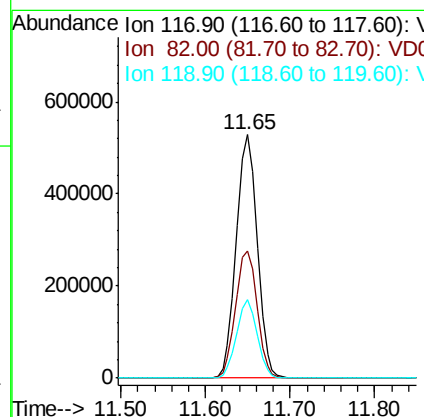
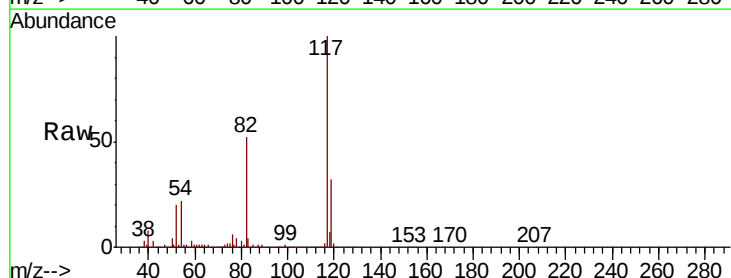
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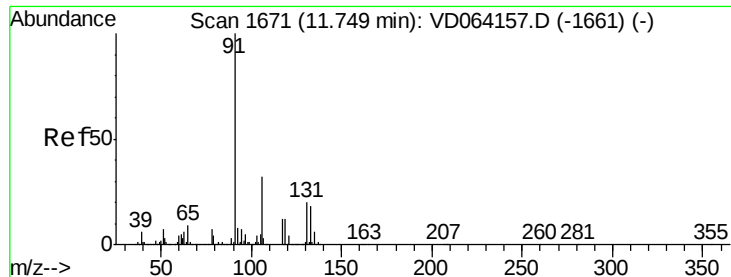
Tot Ion: 95 Resp: 434091
Ion Ratio Lower Upper
95 100
174 93.5 0.0 183.6
176 91.2 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 117 Resp: 901808
Ion Ratio Lower Upper
117 100
82 52.4 42.8 64.2
119 32.0 25.6 38.4

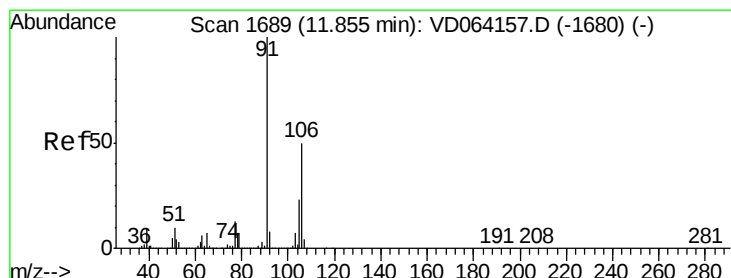
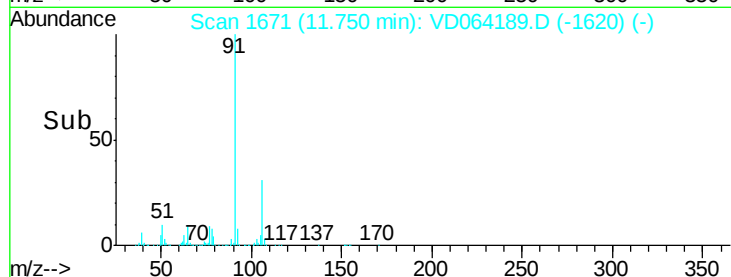
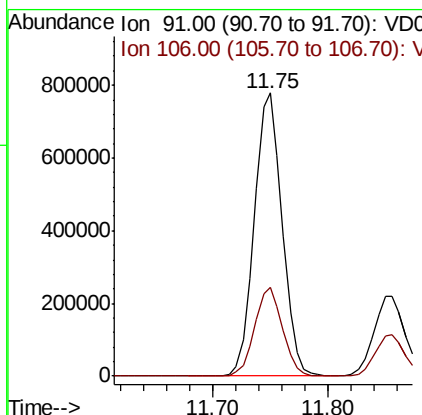
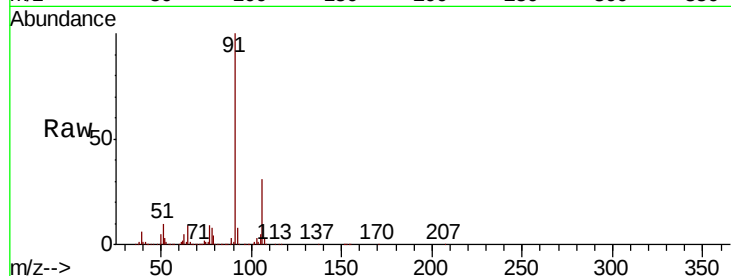




#67
Ethyl Benzene
Concen: 39.389 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

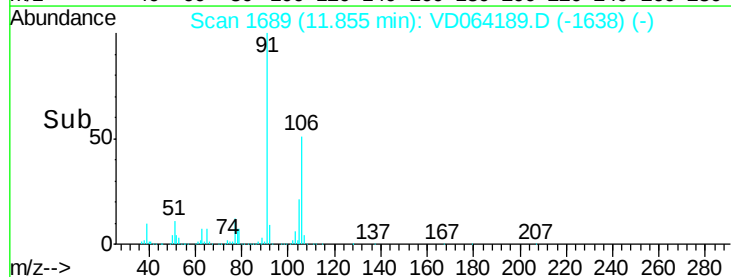
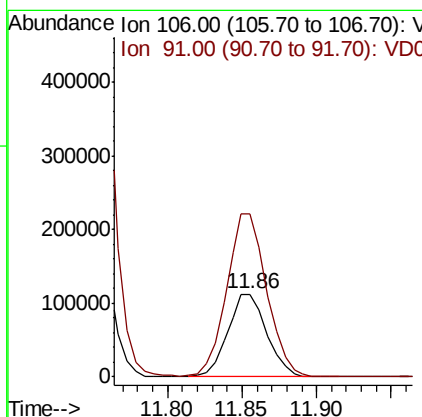
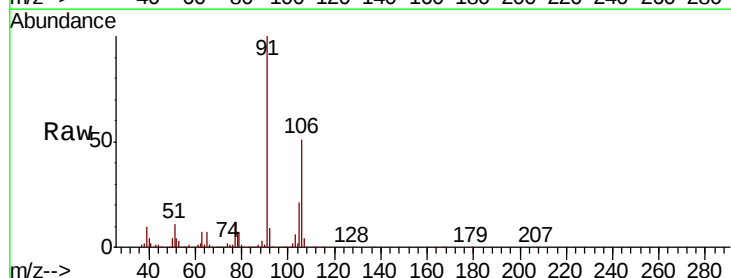
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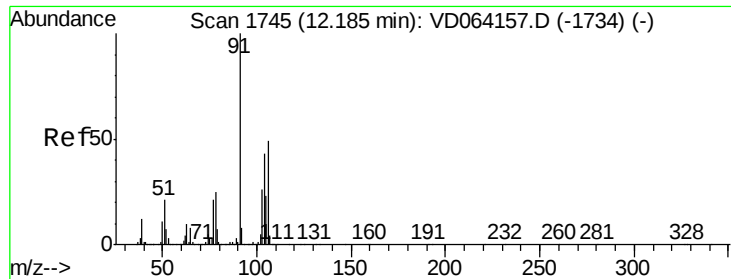
Tot Ion: 91 Resp: 1306578
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3



#68
m/p-Xylenes
Concen: 16.075 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 106 Resp: 204391
Ion Ratio Lower Upper
106 100
91 201.7 160.3 240.5

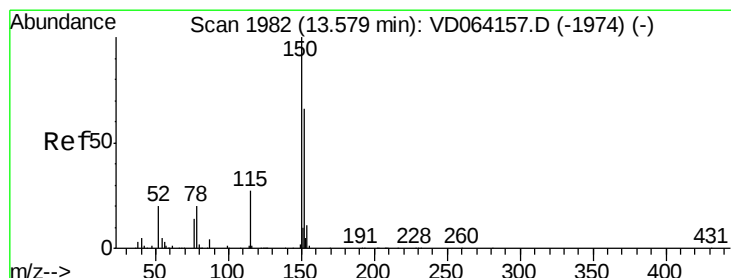
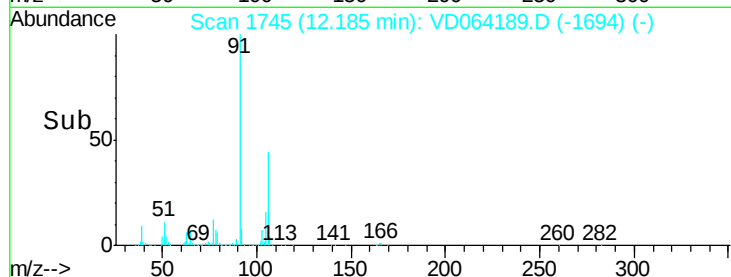
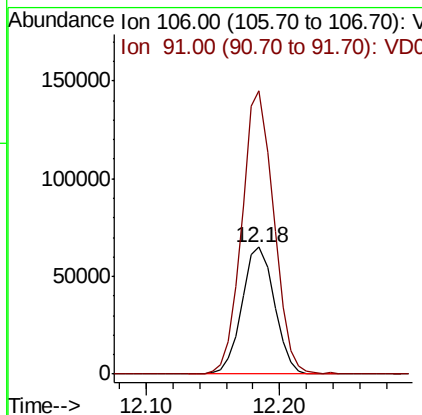
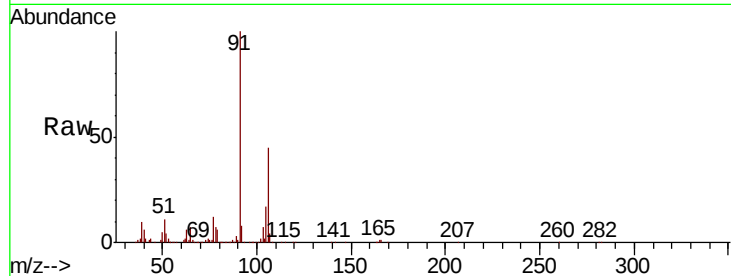




#69
o-Xylene
Concen: 9.283 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

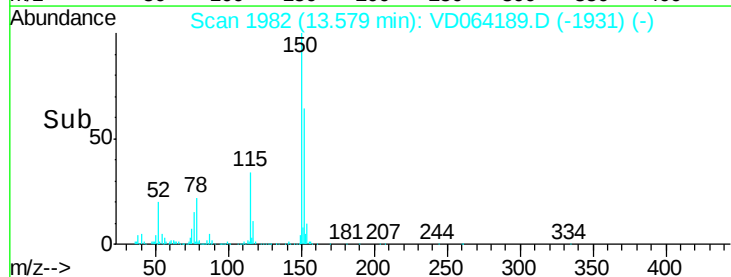
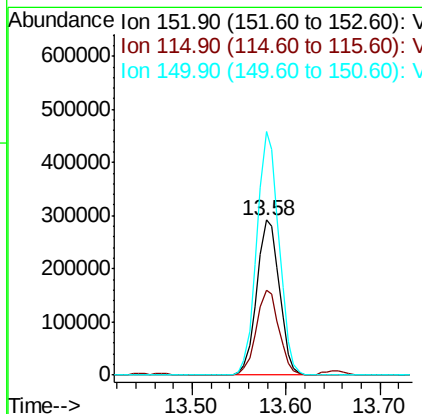
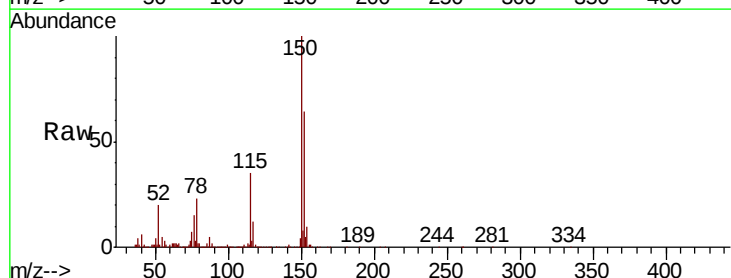
Instrument :
MSVOA_D
ClientSampleId :
OIL-CONTAMINATED-SAMPLE

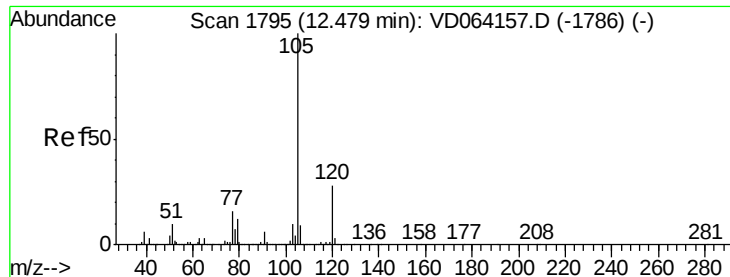
Tot Ion:106 Resp: 109469
Ion Ratio Lower Upper
106 100
91 218.1 105.1 315.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion:152 Resp: 489168
Ion Ratio Lower Upper
152 100
115 54.6 27.4 82.2
150 152.7 0.0 351.6





#73

Isopropylbenzene

Concen: 3.020 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064189.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

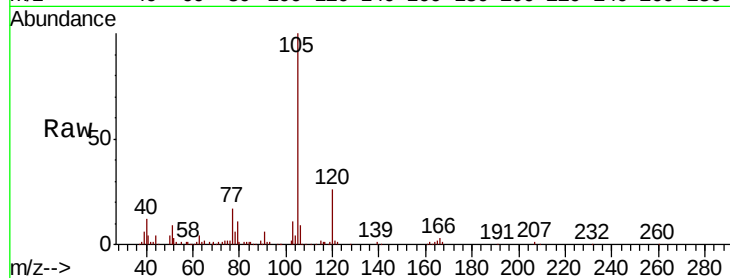
OIL-CONTAMINATED-SAMPLE

Tot Ion:105 Resp: 108434

Ion Ratio Lower Upper

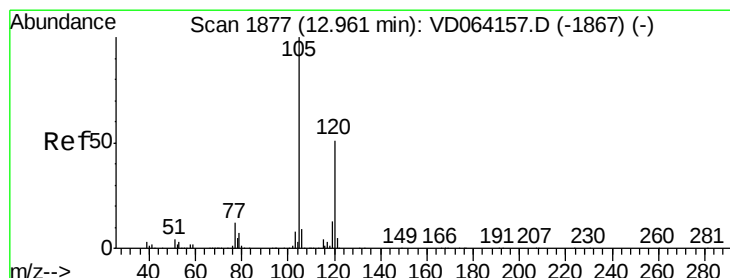
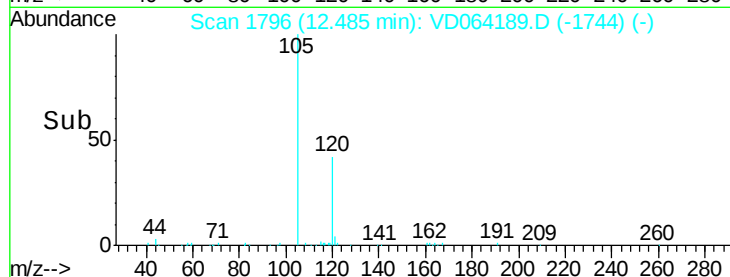
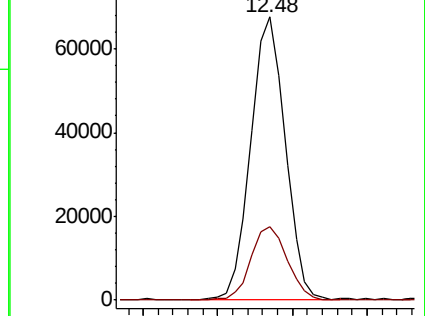
105 100

120 27.3 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.749 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064189.D

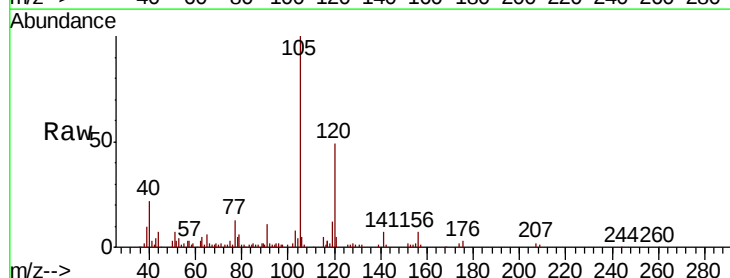
Acq: 11 Nov 2019 20:37

Tgt Ion:105 Resp: 51612

Ion Ratio Lower Upper

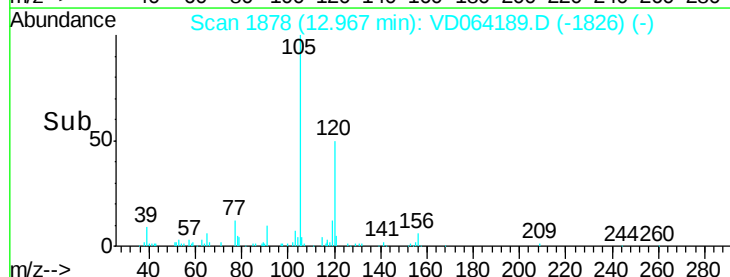
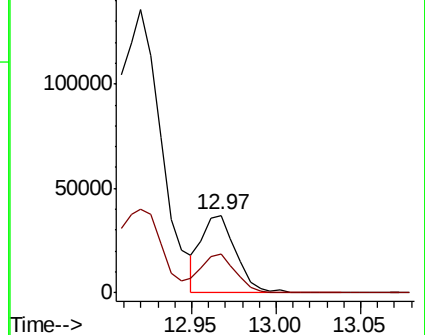
105 100

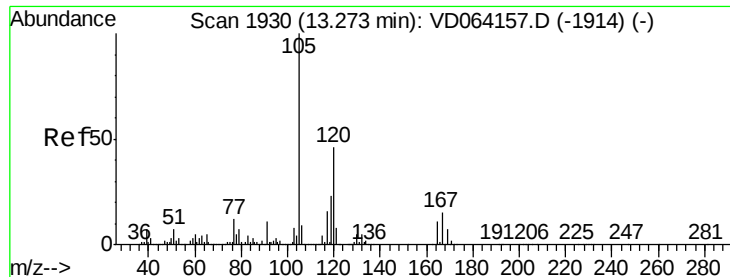
120 55.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 4.780 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD064189.D

Acq: 11 Nov 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

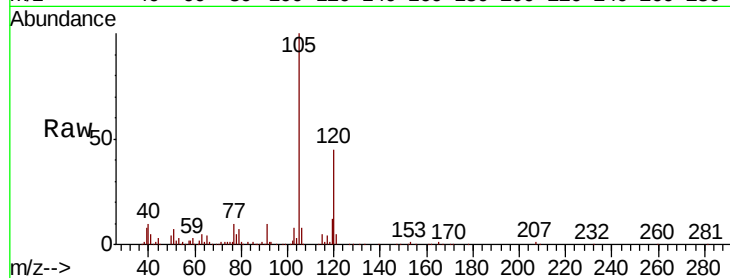
OIL-CONTAMINATED-SAMPLE

Tot Ion:105 Resp: 139225

Ion Ratio Lower Upper

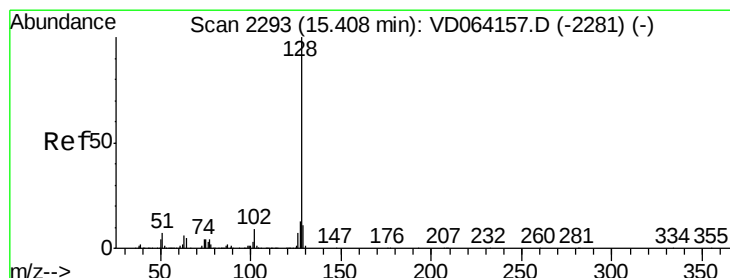
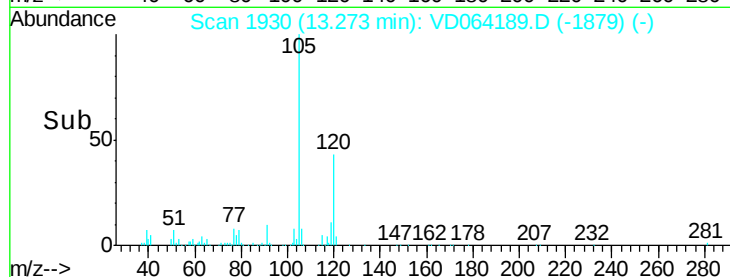
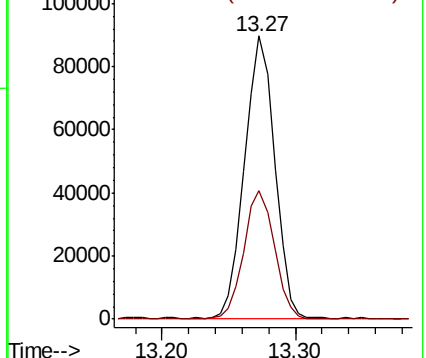
105 100

120 46.4 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 39.163 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064189.D

Acq: 11 Nov 2019 20:37

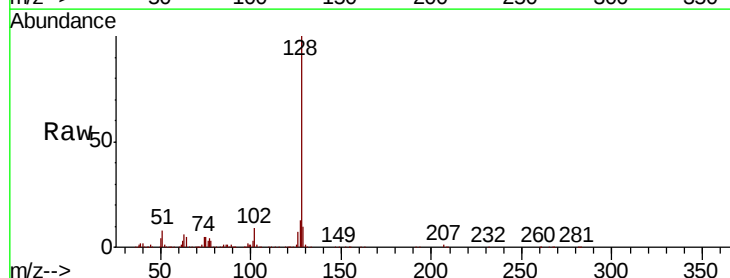
Tgt Ion:128 Resp: 678722

Ion Ratio Lower Upper

128 100

127 13.7 10.5 15.7

129 11.1 8.6 13.0



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

