

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063290.D
 Acq On : 1 Aug 2019 13:02
 Operator : VA/AP
 Sample : K4106-01
 Misc : 5.05g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-01

Quant Time: Aug 02 07:46:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1157794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1650562	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1218620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	493127	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	502634	39.13	ug/l	0.00
Spiked Amount			Recovery	=	78.26%	
35) Dibromofluoromethane	6.90	113	569702	40.43	ug/l	0.00
Spiked Amount			Recovery	=	80.86%	
50) Toluene-d8	10.40	98	1146592	36.36	ug/l	0.00
Spiked Amount			Recovery	=	72.72%	
62) 4-Bromofluorobenzene	13.55	95	457591	31.84	ug/l	0.00
Spiked Amount			Recovery	=	63.68%	

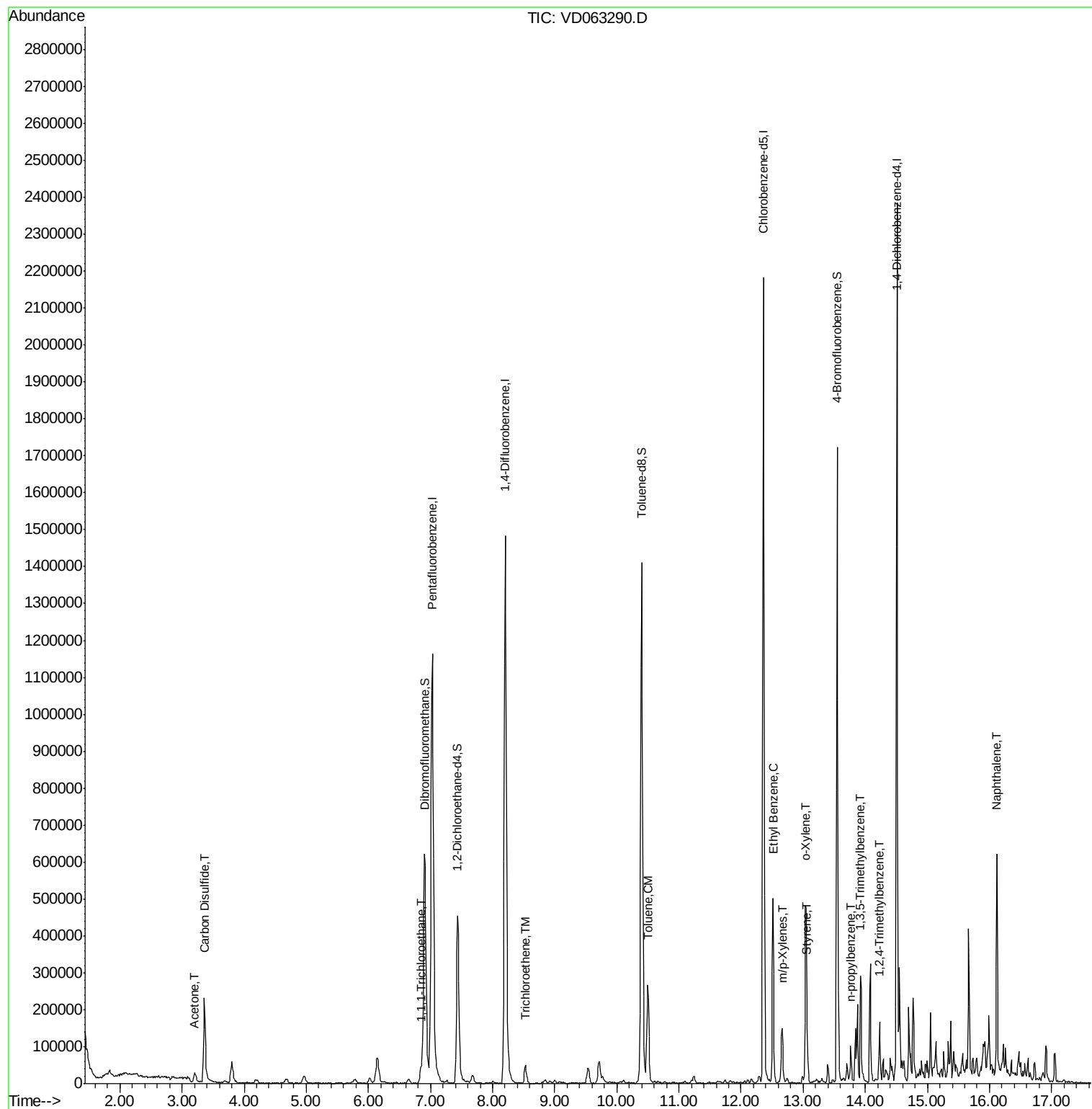
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.20	43	48823	19.505	ug/l	96
17) Carbon Disulfide	3.36	76	372014	12.377	ug/l	96
32) 1,1,1-Trichloroethane	6.84	97	47567	2.171	ug/l #	90
44) Trichloroethene	8.53	130	22263	1.740	ug/l	96
52) Toluene	10.50	92	143000	6.810	ug/l	97
67) Ethyl Benzene	12.51	91	326658	8.204	ug/l	99
68) m/p-Xylenes	12.66	106	43207	2.959	ug/l	94
69) o-Xylene	13.04	106	117775	8.783	ug/l	96
70) Styrene	13.07	104	51287	2.157	ug/l	97
78) n-propylbenzene	13.76	91	59325	1.611	ug/l	94
80) 1,3,5-Trimethylbenzene	13.92	105	139595	5.229	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	66006	2.391	ug/l	94
95) Naphthalene	16.12	128	323607	21.215	ug/l	99

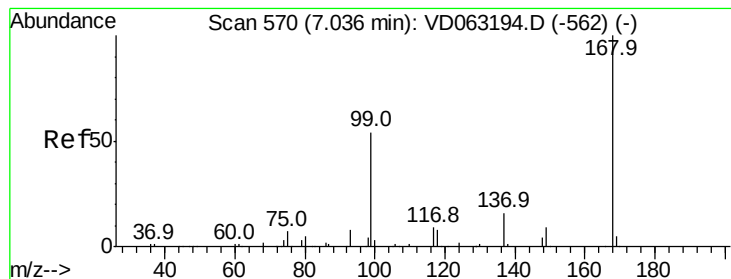
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080119\
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Acq On : 1 Aug 2019 13:02
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MSVOA_D
ClientSampleId :
WC-01

Quant Time: Aug 02 07:46:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD063290.D

Acq: 1 Aug 2019 13:02

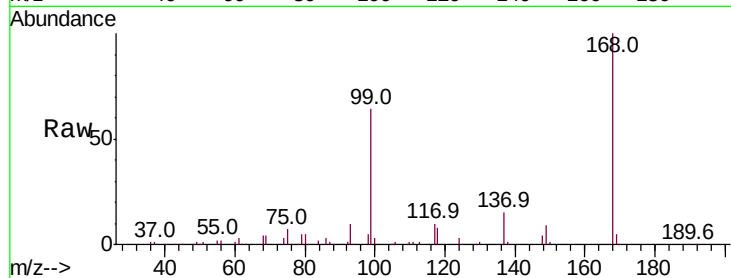
Instrument :
MSVOA_D
ClientSampleId :
WC-01

Tot Ion:168 Resp: 1157794

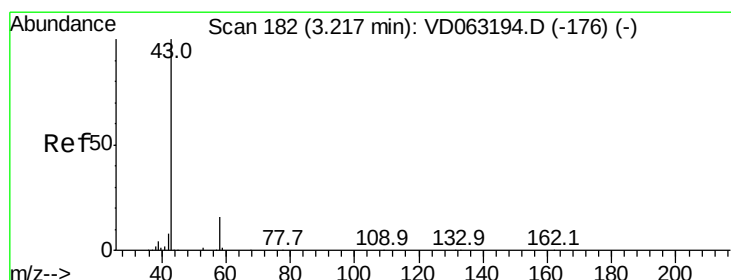
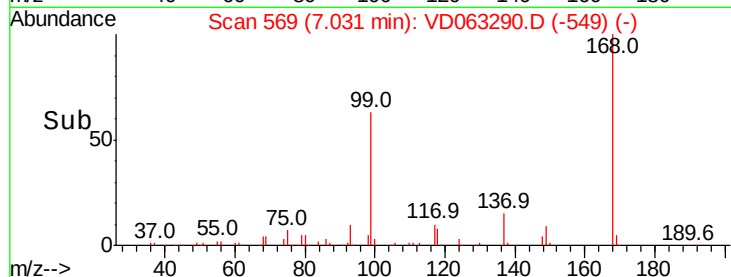
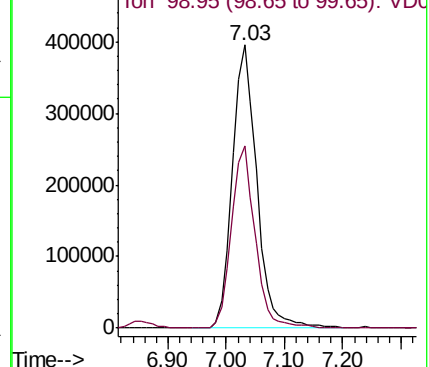
Ion Ratio Lower Upper

168 100

99 64.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V



#16

Acetone

Concen: 19.505 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.01 min

Lab File: VD063290.D

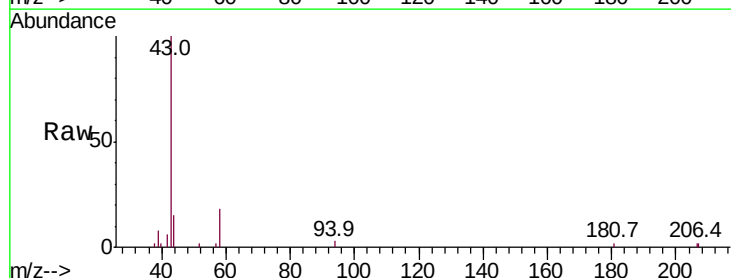
Acq: 1 Aug 2019 13:02

Tgt Ion: 43 Resp: 48823

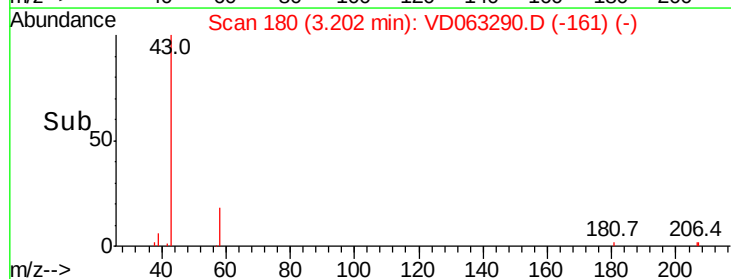
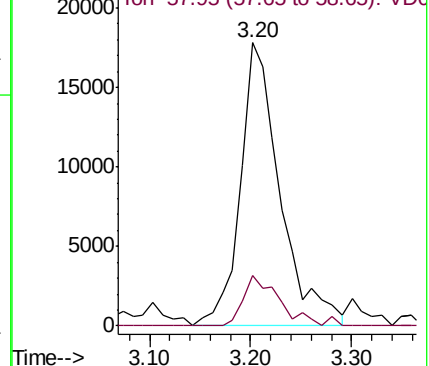
Ion Ratio Lower Upper

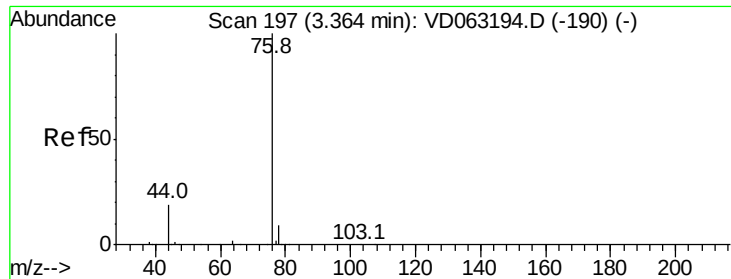
43 100

58 17.8 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): V





#17

Carbon Disulfide

Concen: 12.377 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.00 min

Lab File: VD063290.D

Acq: 1 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

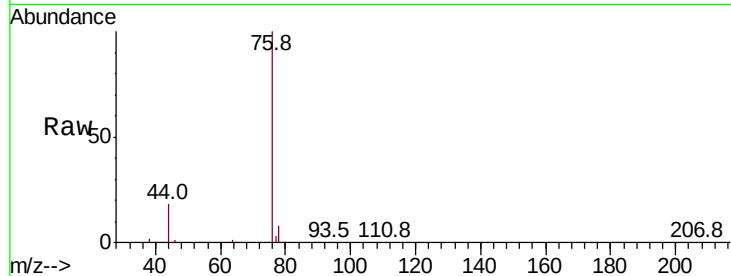
WC-01

Tot Ion: 76 Resp: 372014

Ion Ratio Lower Upper

76 100

78 8.0 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

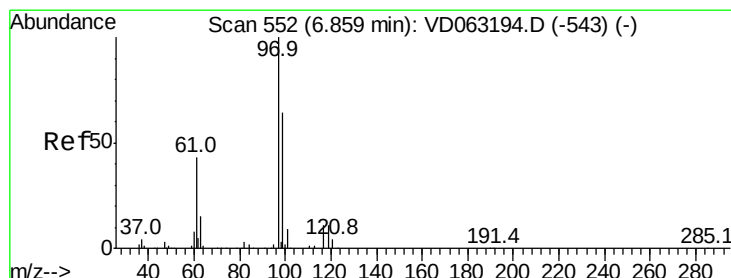
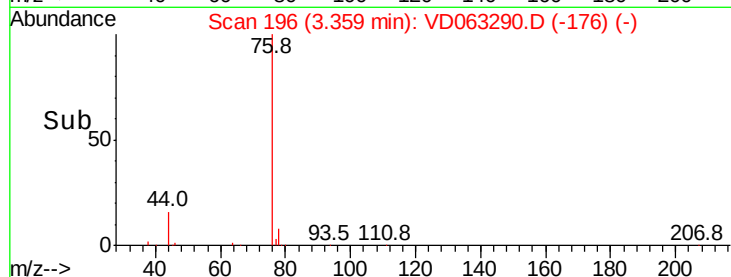
150000

100000

50000

0

Time--> 3.20 3.30 3.40 3.50



#32

1,1,1-Trichloroethane

Concen: 2.171 ug/l

RT: 6.84 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD063290.D

Acq: 1 Aug 2019 13:02

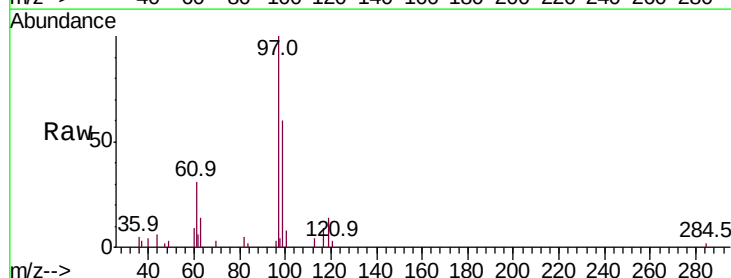
Tgt Ion: 97 Resp: 47567

Ion Ratio Lower Upper

97 100

99 60.2 51.2 76.8

61 31.0 34.2 51.2#



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

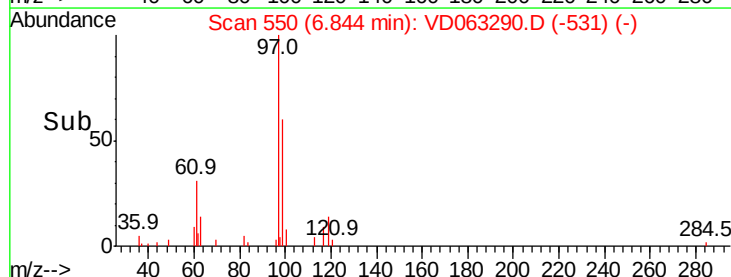
300000

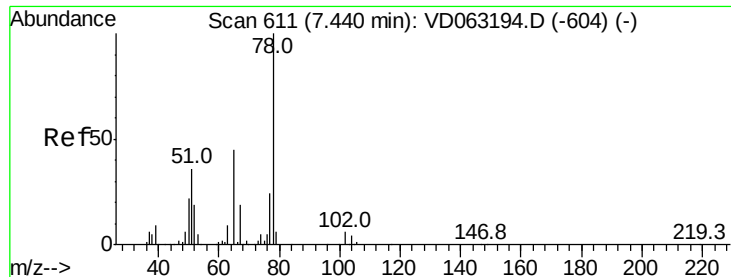
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#33

1,2-Dichloroethane-d4

Concen: 39.125 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD063290.D

Acq: 1 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampled :

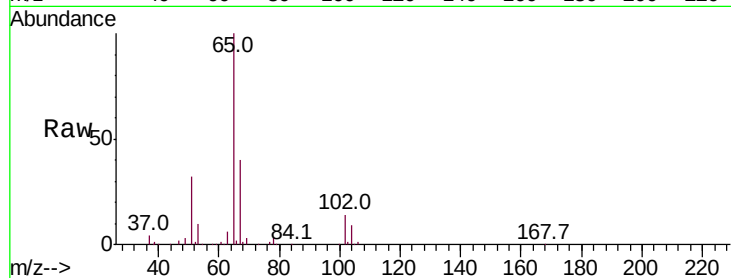
WC-01

Tot Ion: 65 Resp: 502634

Ion Ratio Lower Upper

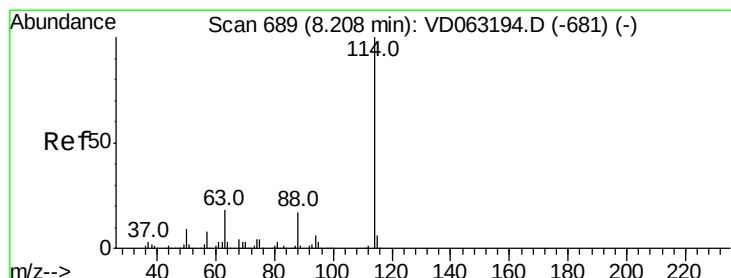
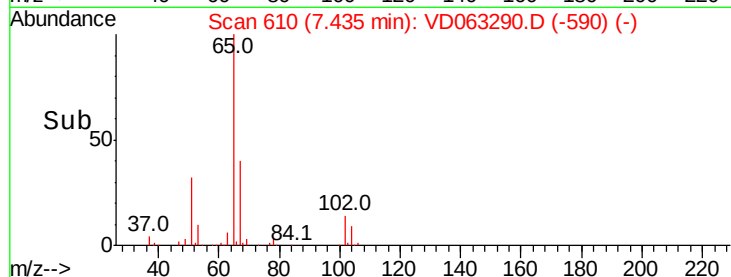
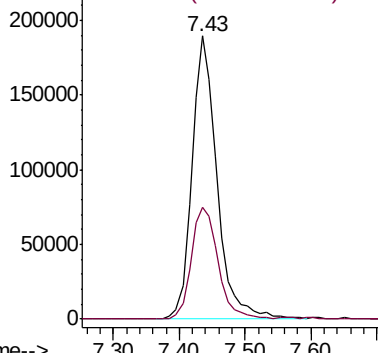
65 100

67 39.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.00 min

Lab File: VD063290.D

Acq: 1 Aug 2019 13:02

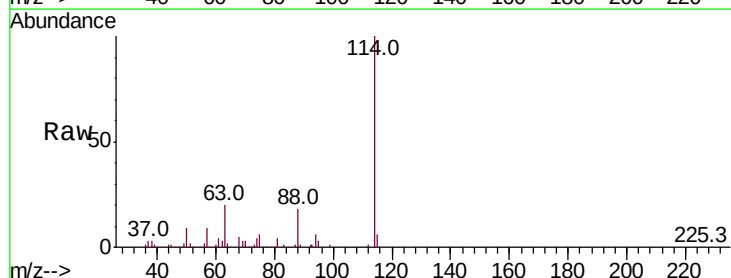
Tgt Ion: 114 Resp: 1650562

Ion Ratio Lower Upper

114 100

63 20.0 0.0 35.2

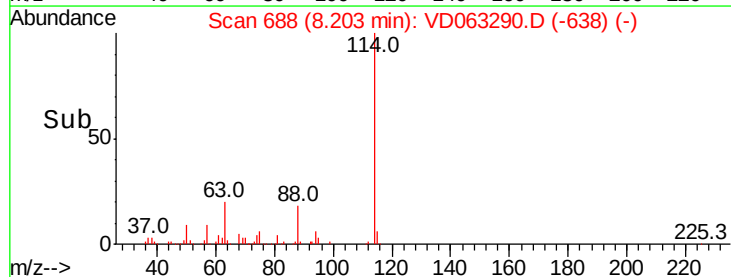
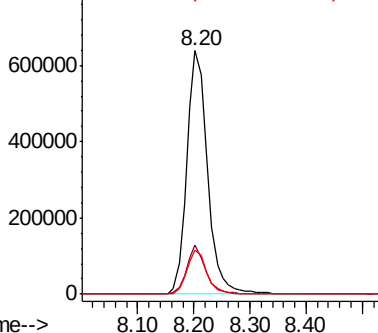
88 17.8 0.0 34.6

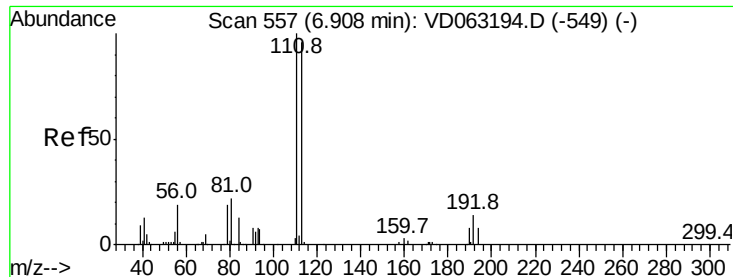


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 40.426 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.00 min

Lab File: VD063290.D

Acq: 1 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

WC-01

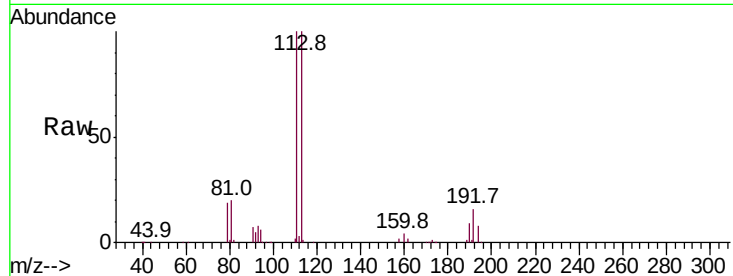
Tot Ion:113 Resp: 569702

Ion Ratio Lower Upper

113 100

111 100.5 83.2 124.8

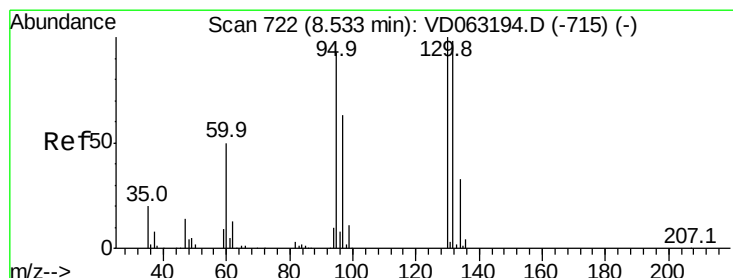
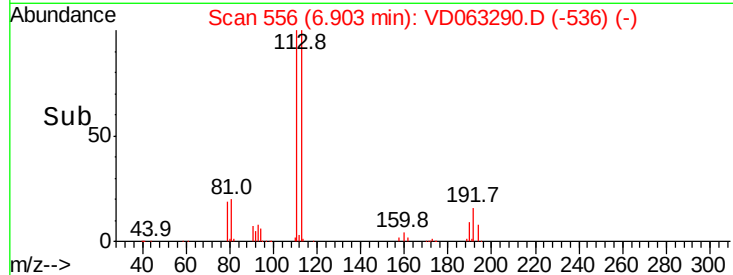
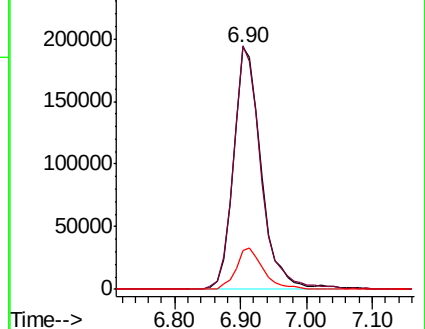
192 15.9 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#44

Trichloroethene

Concen: 1.740 ug/l

RT: 8.53 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD063290.D

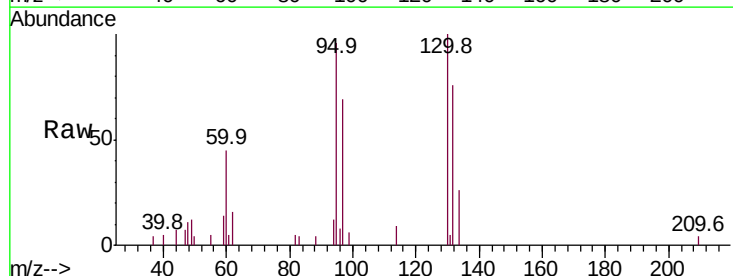
Acq: 1 Aug 2019 13:02

Tgt Ion:130 Resp: 22263

Ion Ratio Lower Upper

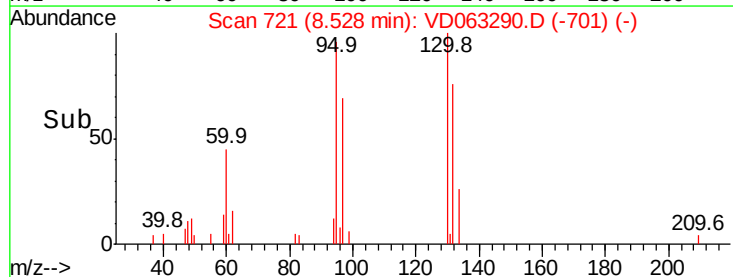
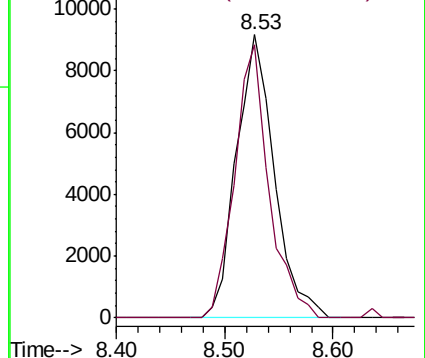
130 100

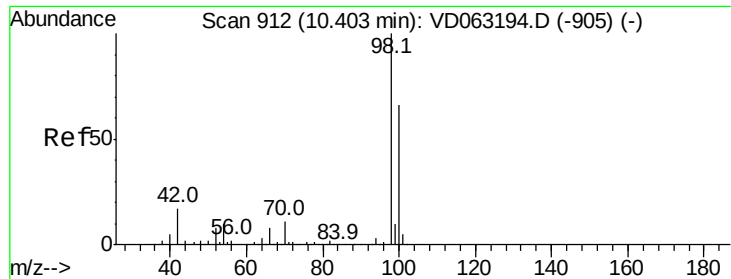
95 96.4 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

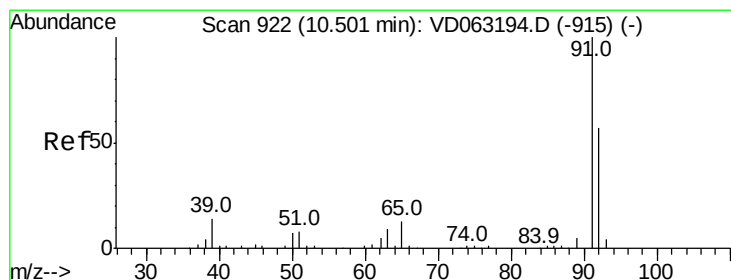
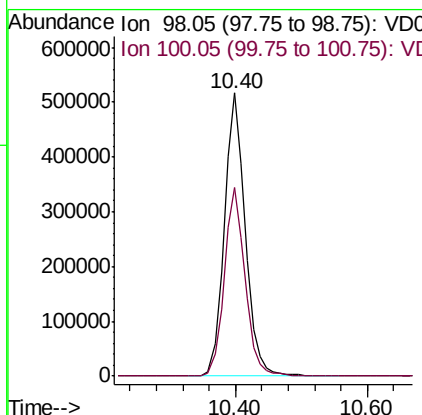
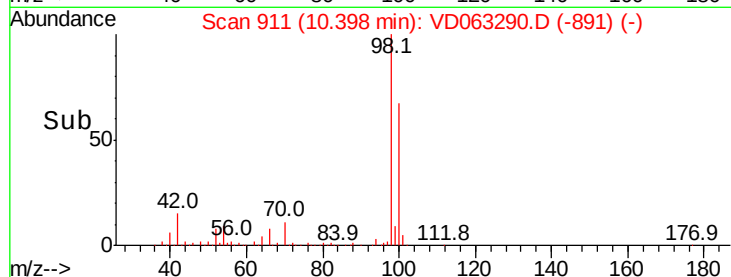
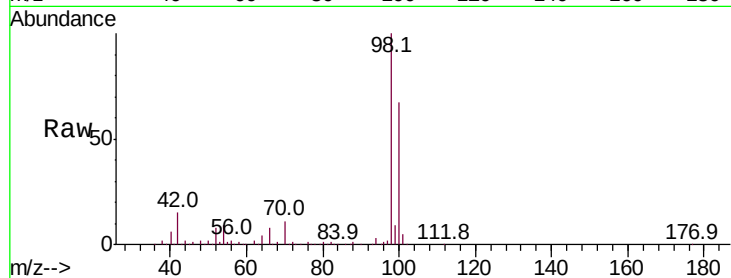




#50
Toluene-d8
Concen: 36.355 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD063290.D
Acq: 1 Aug 2019 13:02

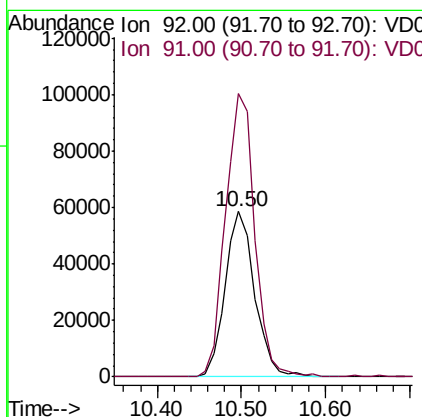
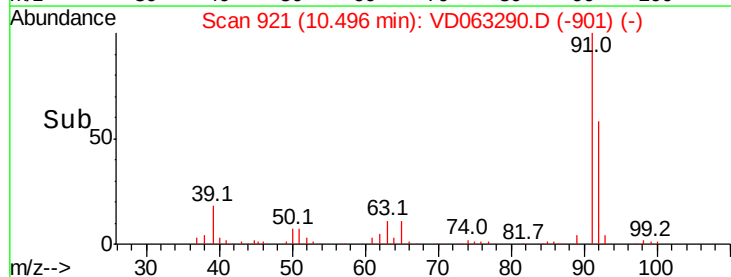
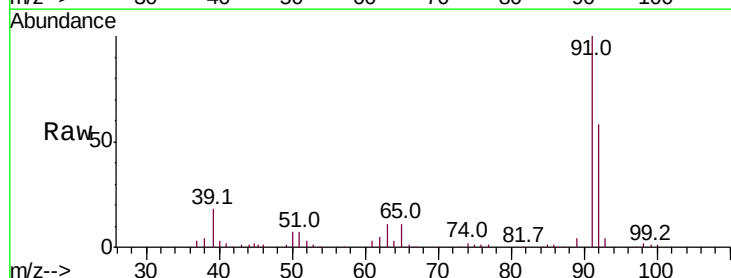
Instrument :
MSVOA_D
ClientSampleID :
WC-01

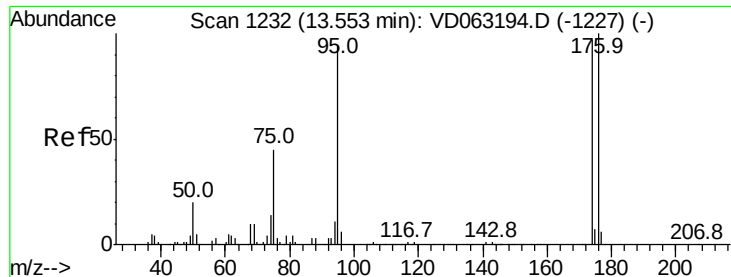
Tot Ion: 98 Resp: 1146592
Ion Ratio Lower Upper
98 100
100 66.7 53.2 79.8



#52
Toluene
Concen: 6.810 ug/l
RT: 10.50 min Scan# 921
Delta R.T. -0.00 min
Lab File: VD063290.D
Acq: 1 Aug 2019 13:02

Tgt Ion: 92 Resp: 143000
Ion Ratio Lower Upper
92 100
91 171.2 140.8 211.2

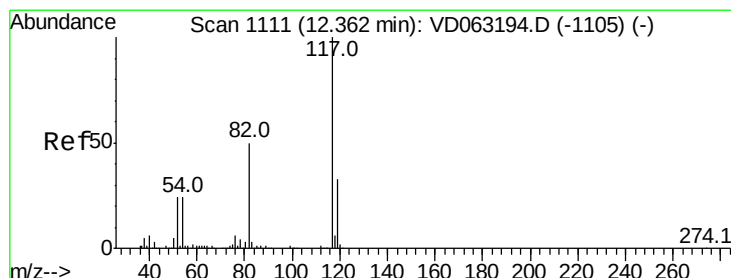
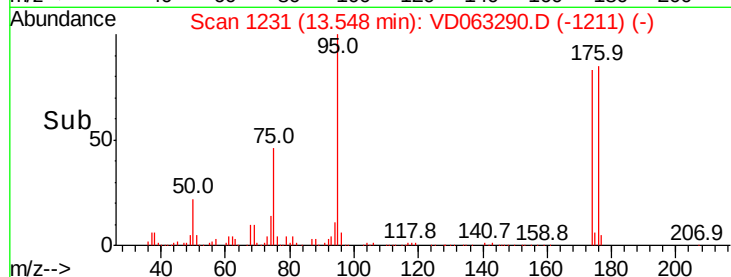
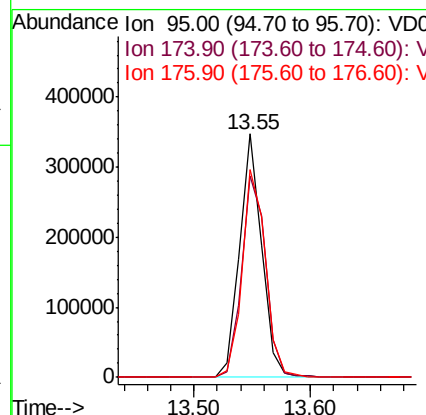
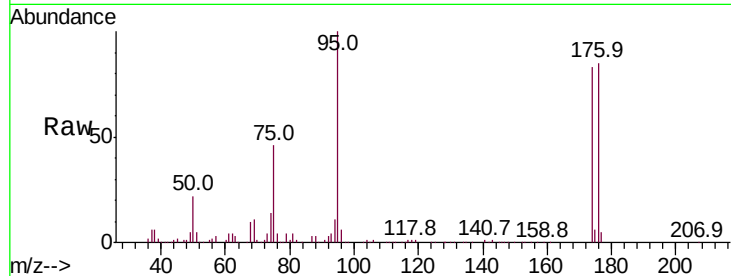




#62
4-Bromofluorobenzene
Concen: 31.839 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD063290.D
Acq: 1 Aug 2019 13:02

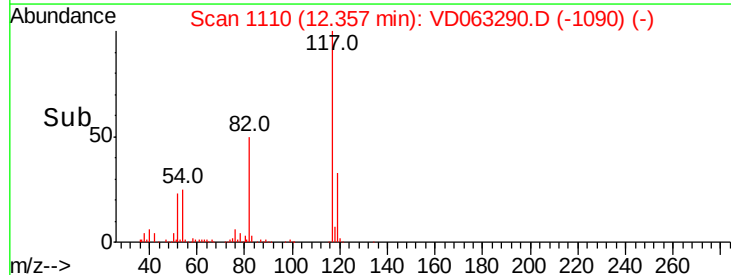
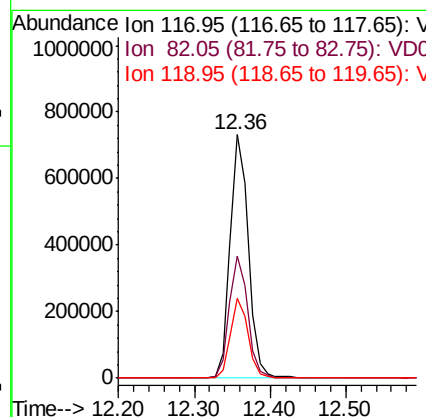
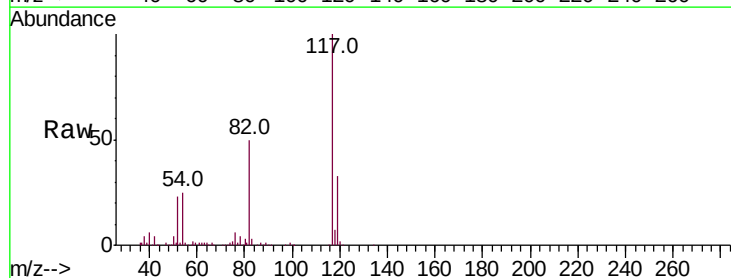
Instrument :
MSVOA_D
ClientSampled :
WC-01

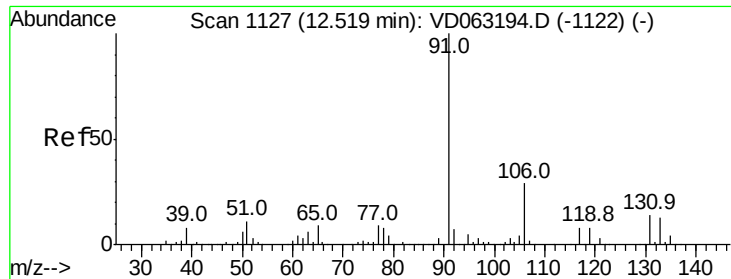
Tot Ion: 95 Resp: 457591
Ion Ratio Lower Upper
95 100
174 82.6 0.0 205.4
176 85.1 0.0 211.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063290.D
Acq: 1 Aug 2019 13:02

Tgt Ion: 117 Resp: 1218620
Ion Ratio Lower Upper
117 100
82 49.9 40.1 60.1
119 32.6 26.5 39.7

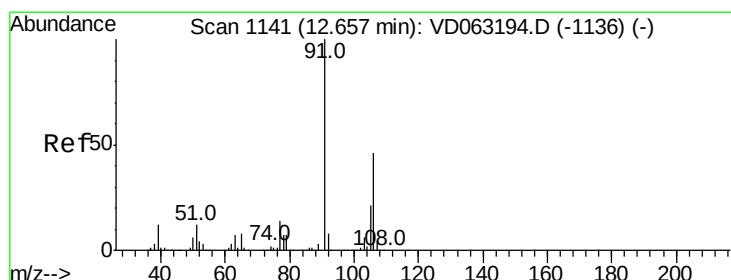
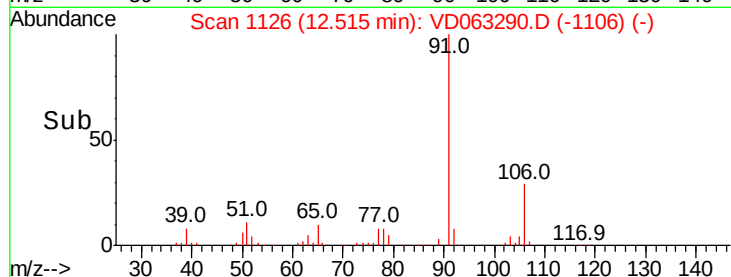
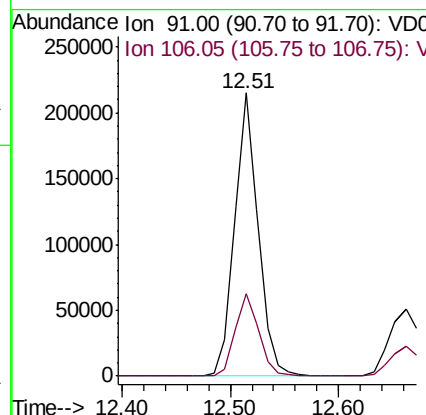
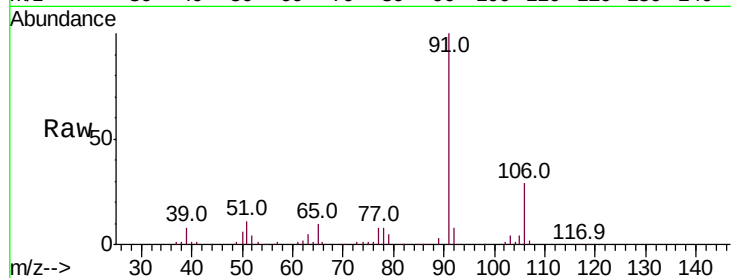




#67
Ethyl Benzene
Concen: 8.204 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063290.D
Acq: 1 Aug 2019 13:02

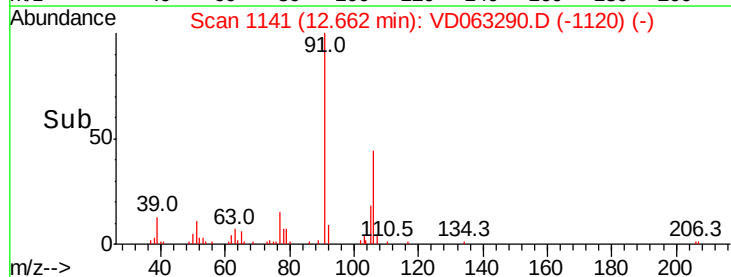
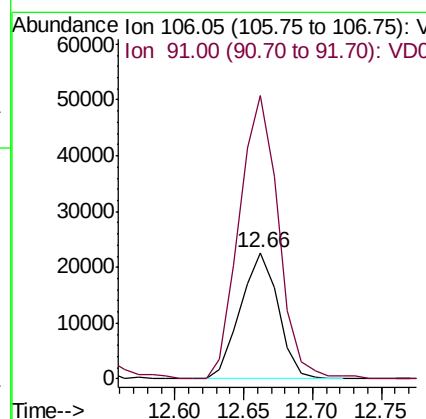
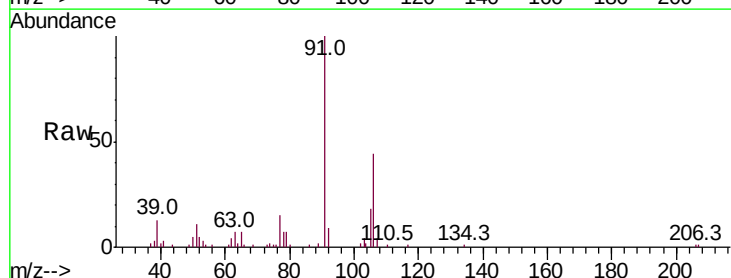
Instrument :
MSVOA_D
ClientSampleId :
WC-01

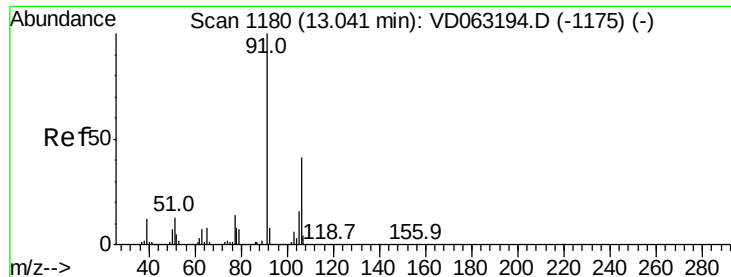
Tot Ion: 91 Resp: 326658
Ion Ratio Lower Upper
91 100
106 29.0 22.9 34.3



#68
m/p-Xylenes
Concen: 2.959 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063290.D
Acq: 1 Aug 2019 13:02

Tgt Ion: 106 Resp: 43207
Ion Ratio Lower Upper
106 100
91 224.8 172.6 259.0

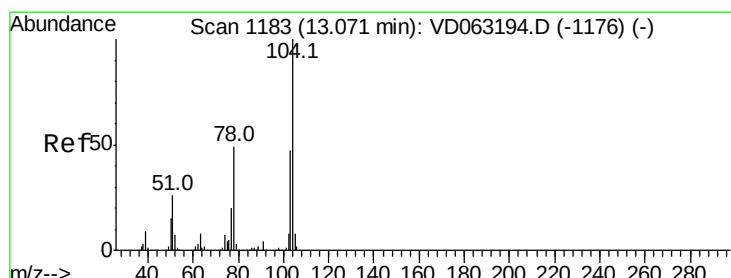
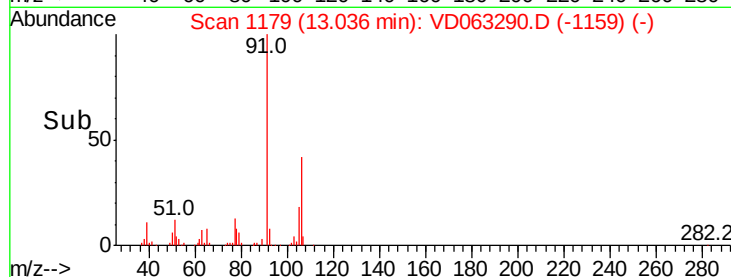
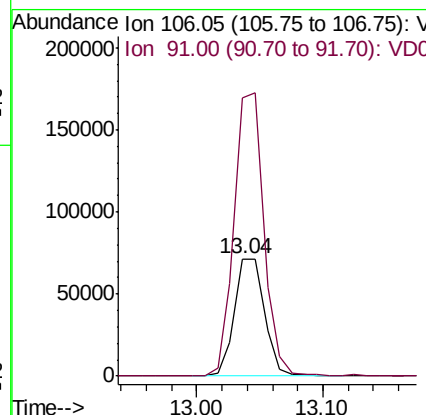
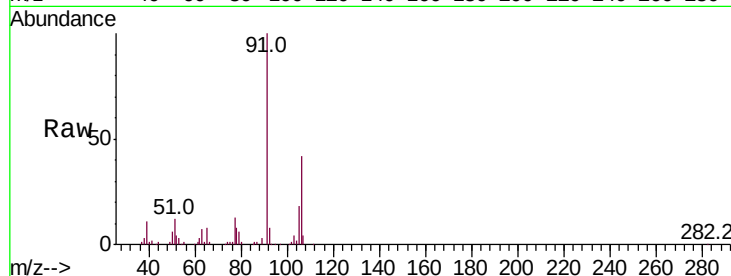




#69
o-Xylene
Concen: 8.783 ug/l
RT: 13.04 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VD063290.D
Acq: 1 Aug 2019 13:02

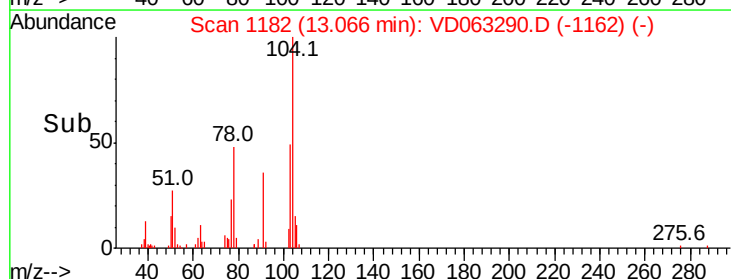
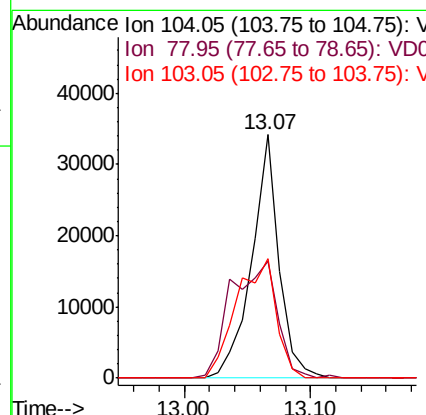
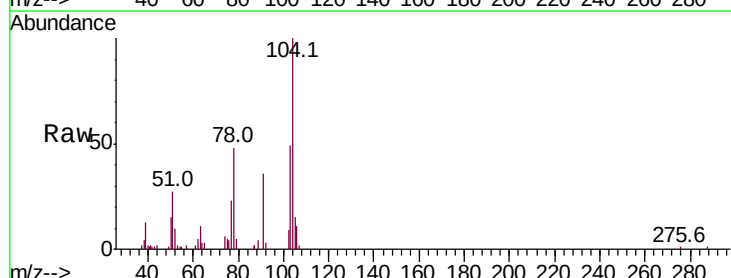
Instrument :
MSVOA_D
ClientSampleID :
WC-01

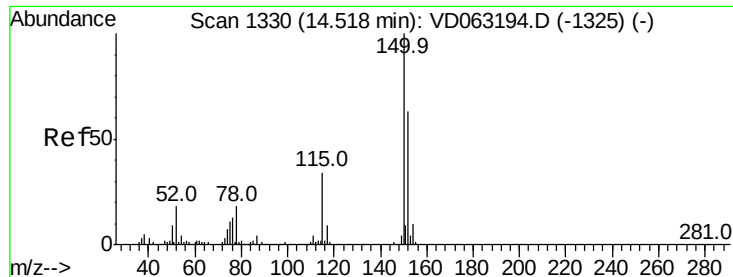
Tot Ion:106 Resp: 117775
Ion Ratio Lower Upper
106 100
91 236.4 121.3 363.9



#70
Styrene
Concen: 2.157 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD063290.D
Acq: 1 Aug 2019 13:02

Tgt Ion:104 Resp: 51287
Ion Ratio Lower Upper
104 100
78 48.1 39.4 59.0
103 49.3 37.4 56.2

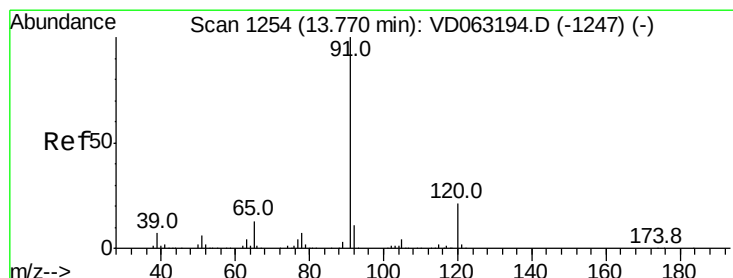
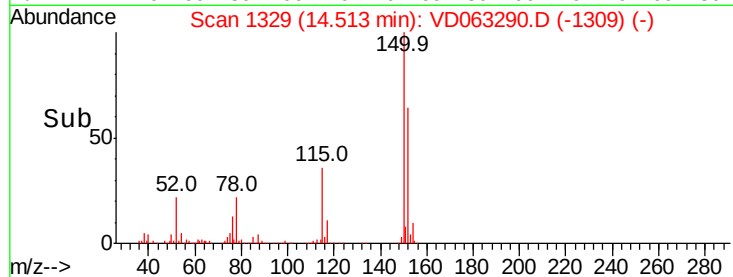
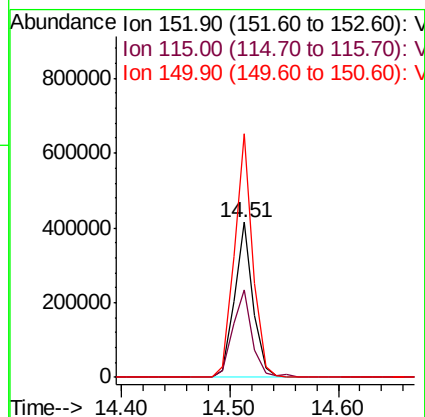
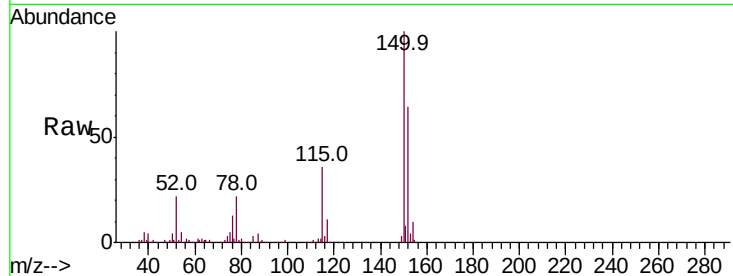




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: VD063290.D
 Acq: 1 Aug 2019 13:02

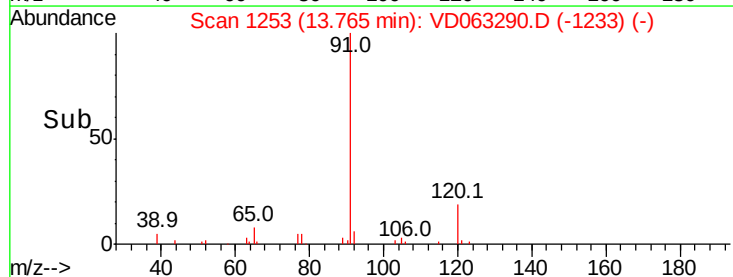
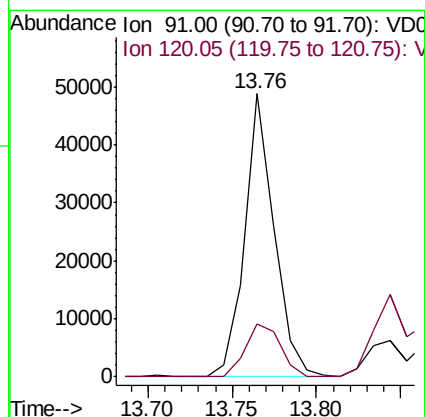
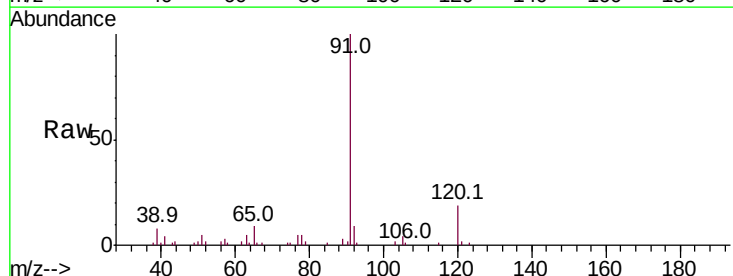
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-01

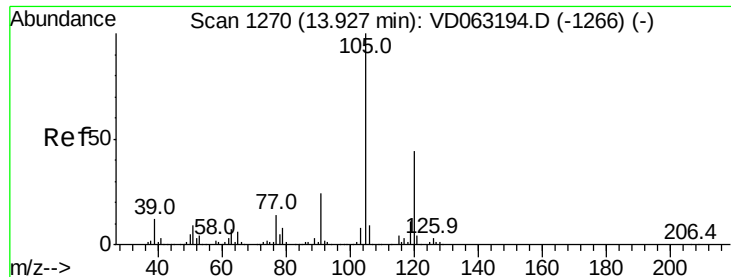
Tot Ion:152 Resp: 493127
 Ion Ratio Lower Upper
 152 100
 115 56.6 27.5 82.4
 150 157.1 0.0 320.6



#78
 n-propylbenzene
 Concen: 1.611 ug/l
 RT: 13.76 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: VD063290.D
 Acq: 1 Aug 2019 13:02

Tgt Ion: 91 Resp: 59325
 Ion Ratio Lower Upper
 91 100
 120 18.8 10.7 32.1





#80

1,3,5-Trimethylbenzene

Concen: 5.229 ug/l

RT: 13.92 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD063290.D

Acq: 1 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampled :

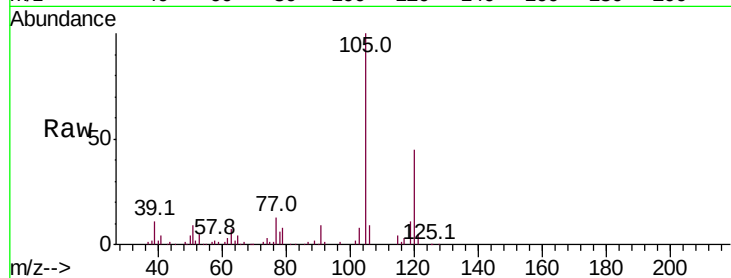
WC-01

Tot Ion:105 Resp: 139595

Ion Ratio Lower Upper

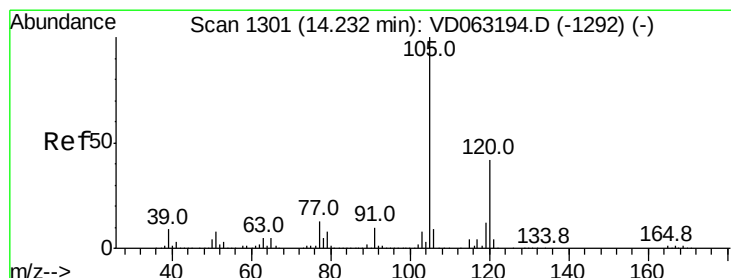
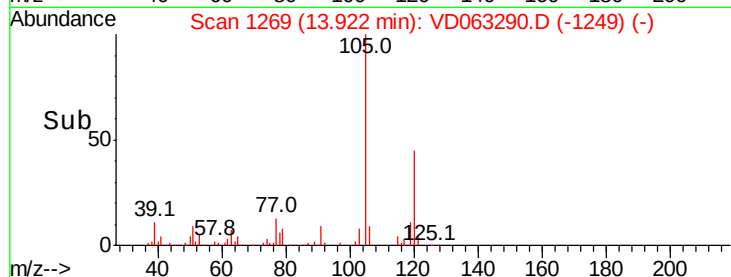
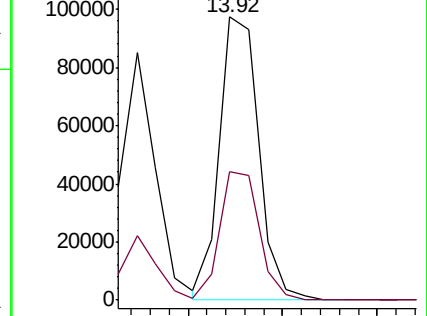
105 100

120 45.4 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#84

1,2,4-Trimethylbenzene

Concen: 2.391 ug/l

RT: 14.23 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VD063290.D

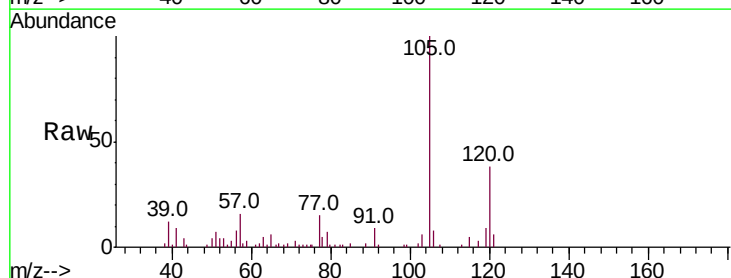
Acq: 1 Aug 2019 13:02

Tgt Ion:105 Resp: 66006

Ion Ratio Lower Upper

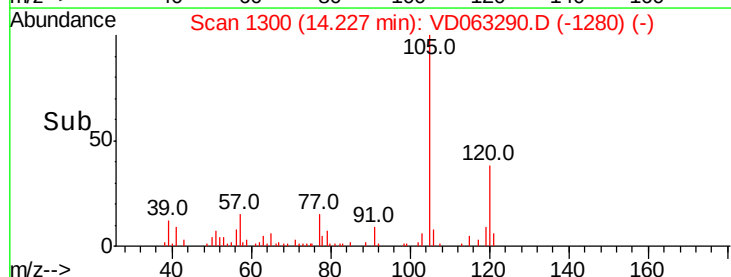
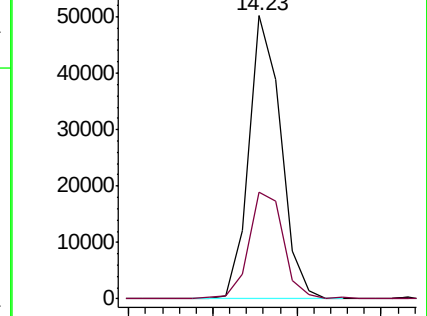
105 100

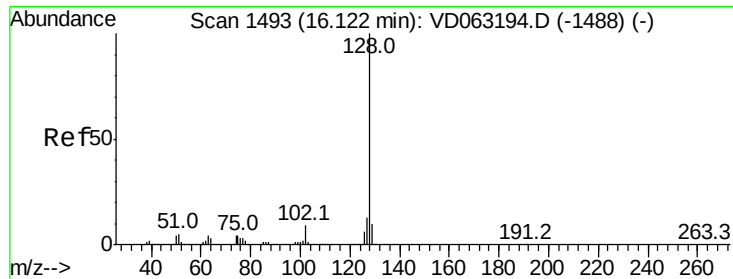
120 37.9 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#95

Naphthalene

Concen: 21.215 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VD063290.D

Acq: 1 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

WC-01

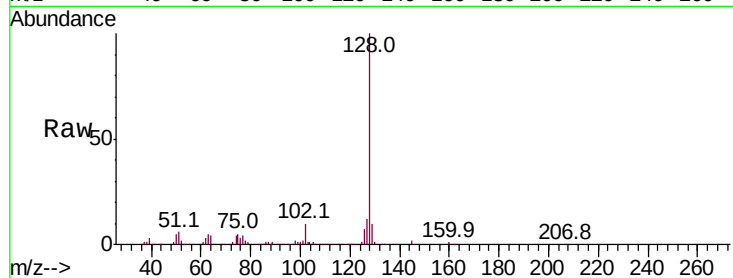
Tot Ion:128 Resp: 323607

Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.4

129 10.1 7.8 11.8



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

