

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120318\
 Data File : VD060473.D
 Acq On : 3 Dec 2018 14:18
 Operator : VA/AP
 Sample : J6162-09RE
 Misc : 5.68g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C10-02A-(6-12)RE

Quant Time: Dec 04 02:37:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

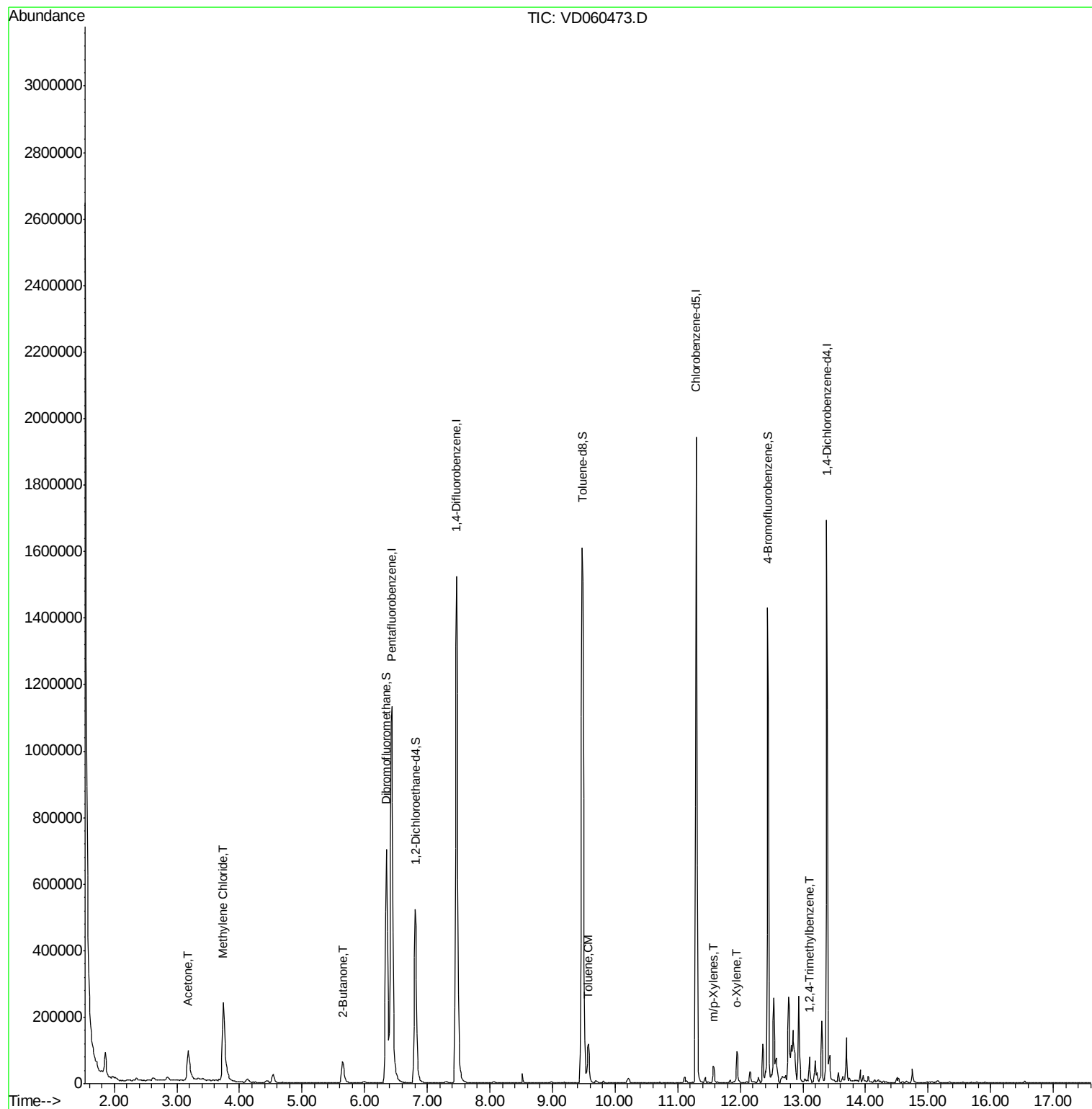
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1157176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	1625934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1112318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	377879	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.81	65	433873	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	6.35	113	574141	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	9.47	98	1355348	38.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.40%	
62) 4-Bromofluorobenzene	12.44	95	409550	31.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.70%	
Target Compounds						
16) Acetone	3.18	43	195857	136.275	ug/l	100
20) Methylene Chloride	3.75	84	163130	12.795	ug/l	95
25) 2-Butanone	5.65	43	133756	44.774	ug/l	96
52) Toluene	9.57	92	59871	2.286	ug/l	100
68) m/p-Xylenes	11.58	106	15251	1.003	ug/l	89
69) o-Xylene	11.94	106	22590	1.538	ug/l	94
84) 1,2,4-Trimethylbenzene	13.11	105	26447	1.238	ug/l	93

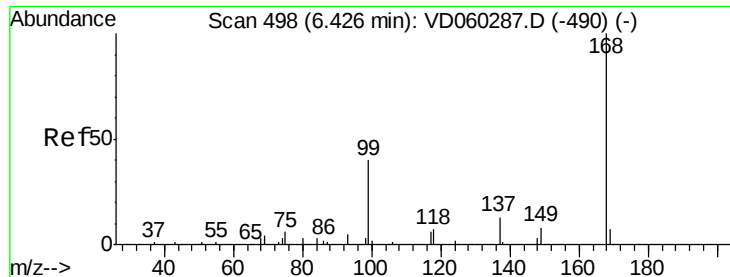
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

Instrument :

MSVOA_D

ClientSampleId :

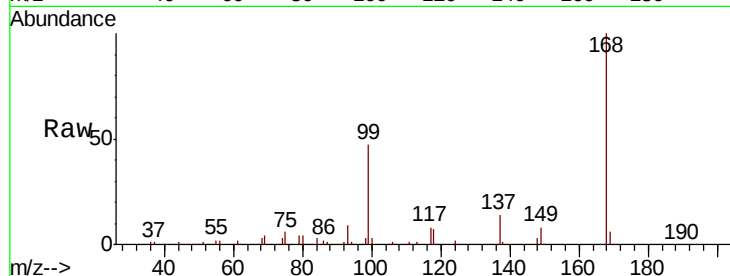
A0C10-02A-(6-12)RE

Tot Ion:168 Resp: 1157176

Ion Ratio Lower Upper

168 100

99 46.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

400000

300000

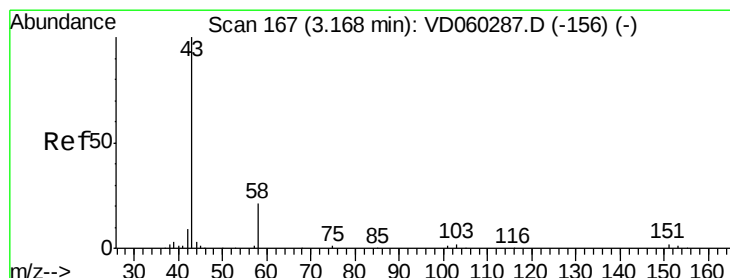
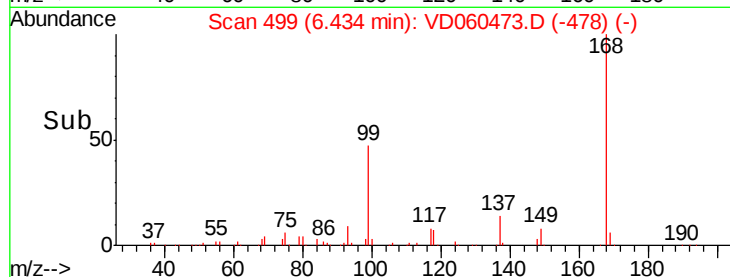
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#16

Acetone

Concen: 136.275 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060473.D

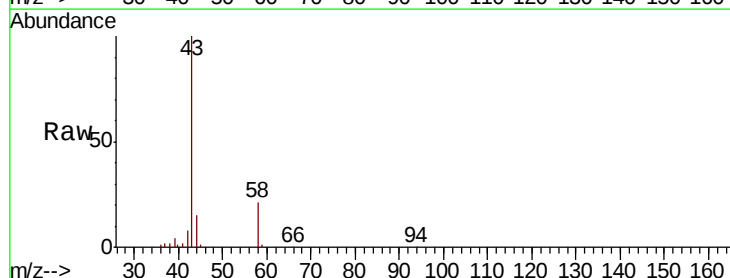
Acq: 3 Dec 2018 14:18

Tgt Ion: 43 Resp: 195857

Ion Ratio Lower Upper

43 100

58 21.0 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.18

60000

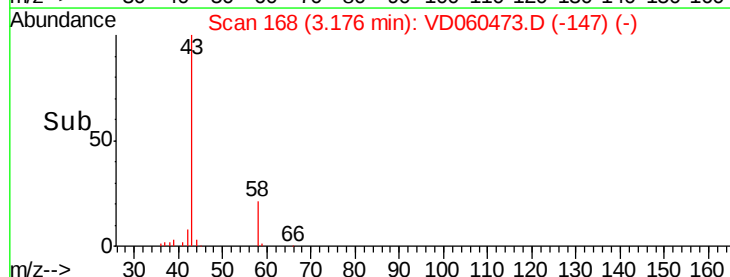
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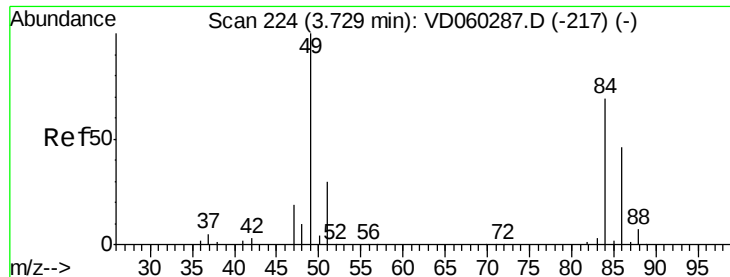
20000

0

3.00 3.10 3.20 3.30 3.40

Time-->

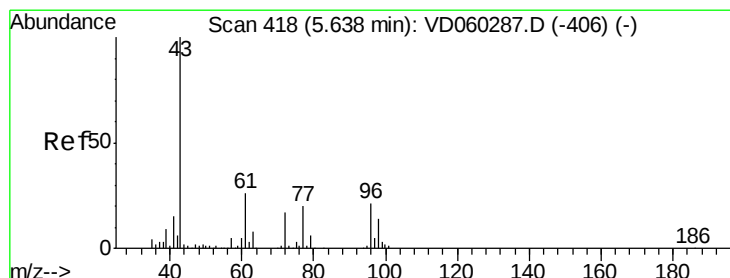
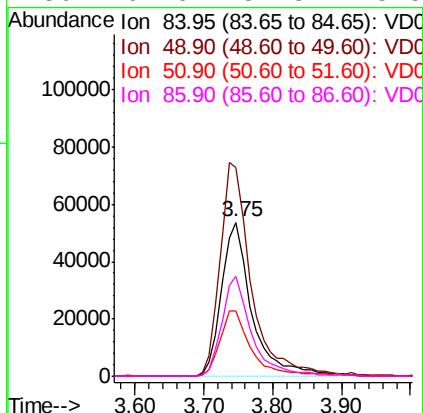
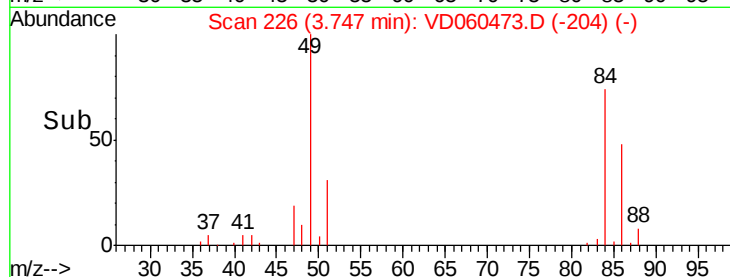
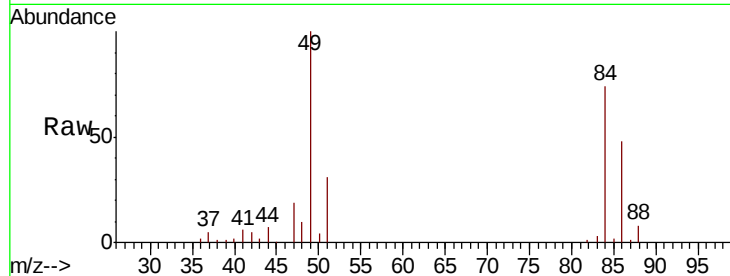




#20
Methvlene Chloride
Concen: 12.795 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

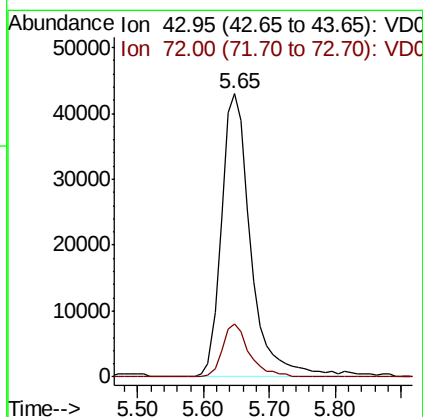
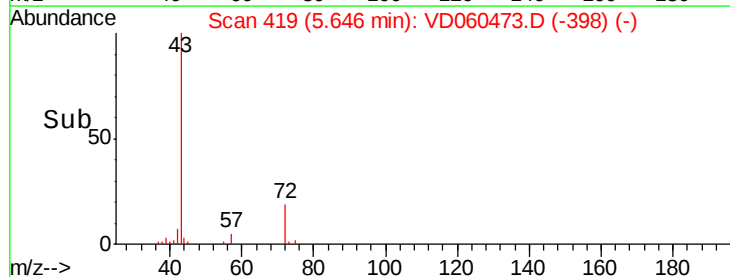
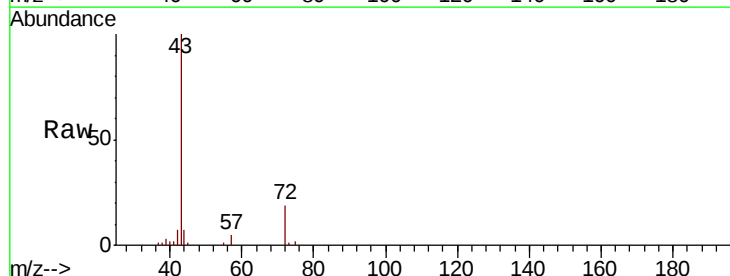
Instrument :
MSVOA_D
ClientSampleId :
A0C10-02A-(6-12)RE

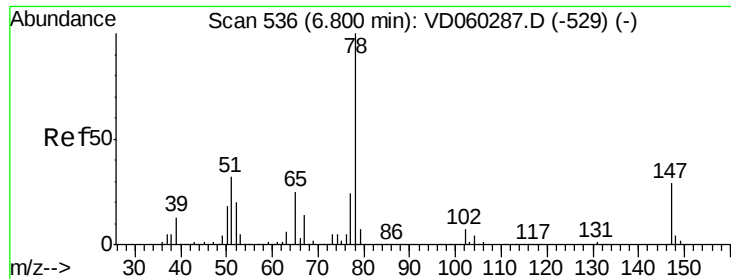
Tot Ion: 84 Resp: 163130
Ion Ratio Lower Upper
84 100
49 135.7 115.6 173.4
51 42.6 35.6 53.4
86 64.6 52.3 78.5



#25
2-Butanone
Concen: 44.774 ug/l
RT: 5.65 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion: 43 Resp: 133756
Ion Ratio Lower Upper
43 100
72 18.9 13.8 20.8





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

Instrument :

MSVOA_D

ClientSampleId :

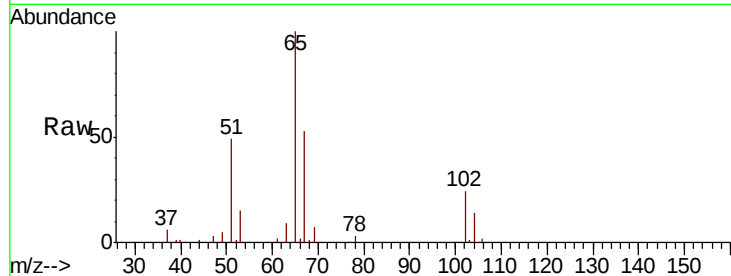
A0C10-02A-(6-12)RE

Tot Ion: 65 Resp: 433873

Ion Ratio Lower Upper

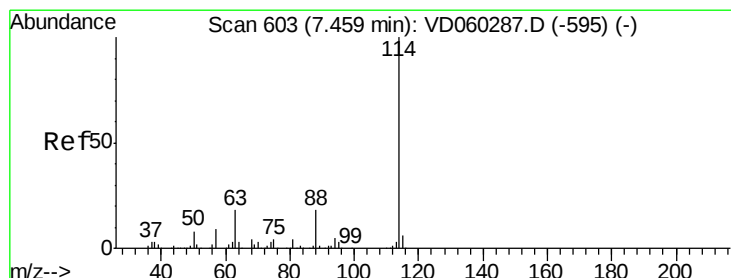
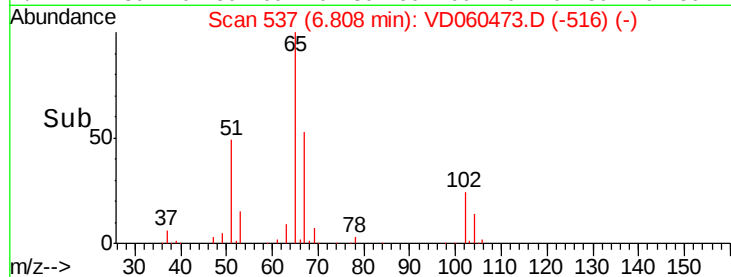
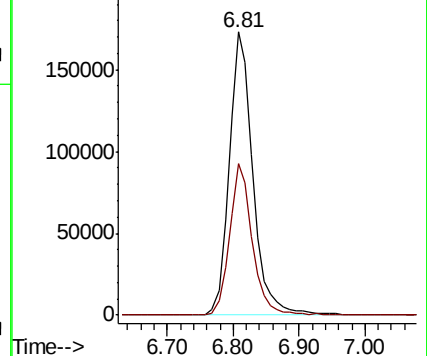
65 100

67 53.3 0.0 109.8



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: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

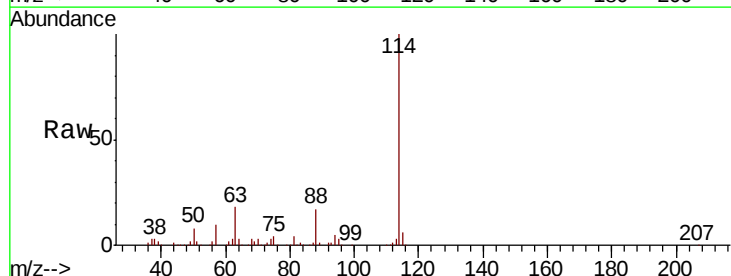
Tgt Ion: 114 Resp: 1625934

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.0

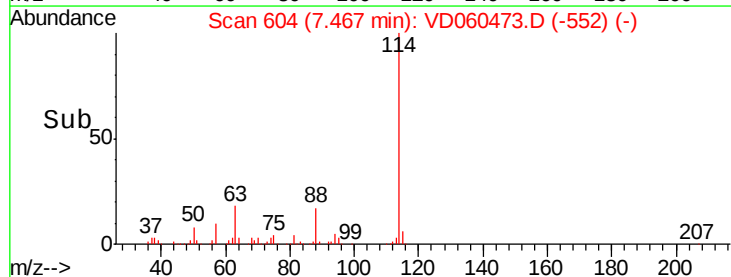
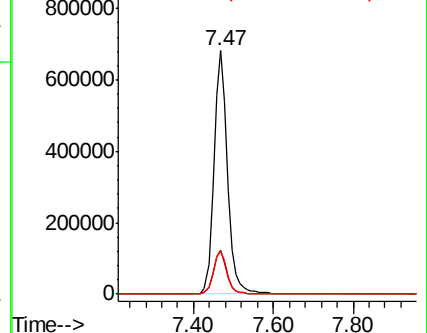
88 17.3 0.0 35.4

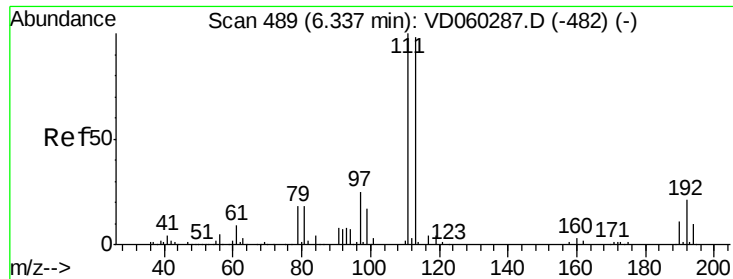


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

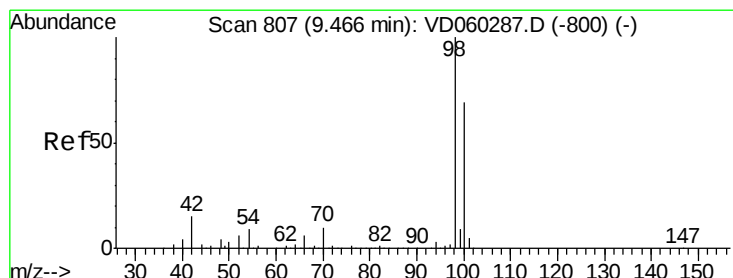
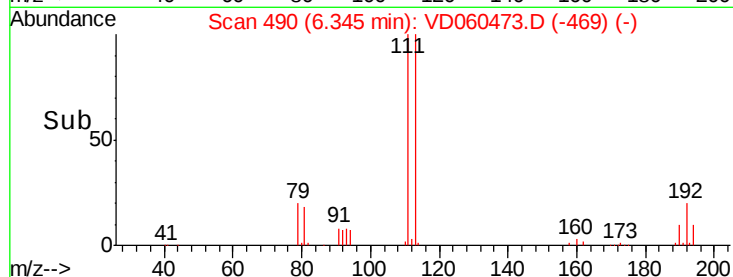
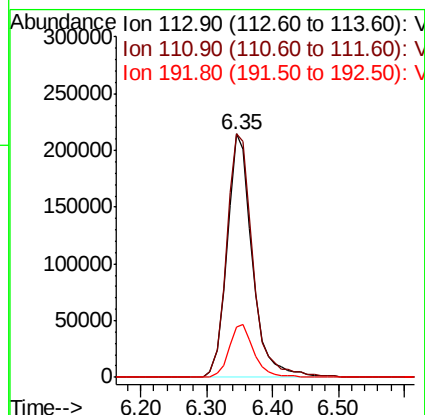
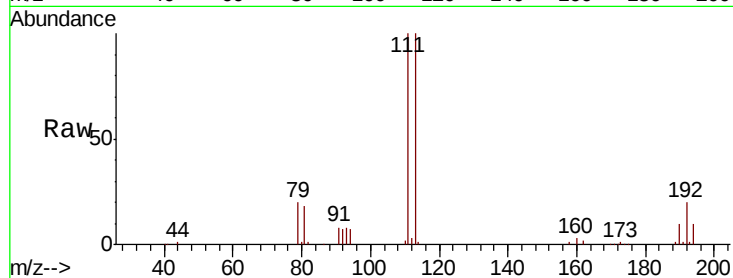




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.35 min Scan# 490
 Delta R.T. 0.01 min
 Lab File: VD060473.D
 Acq: 3 Dec 2018 14:18

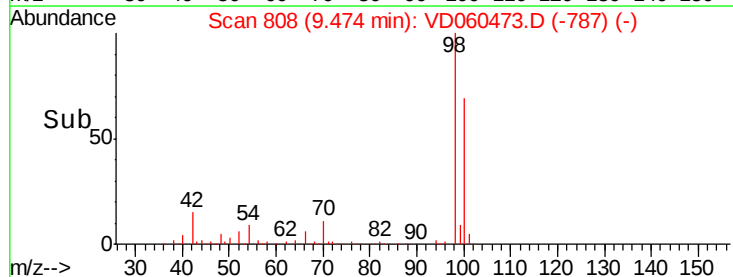
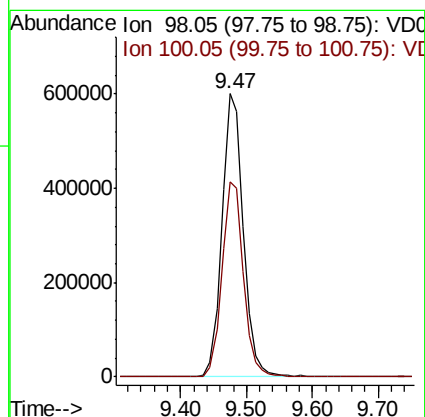
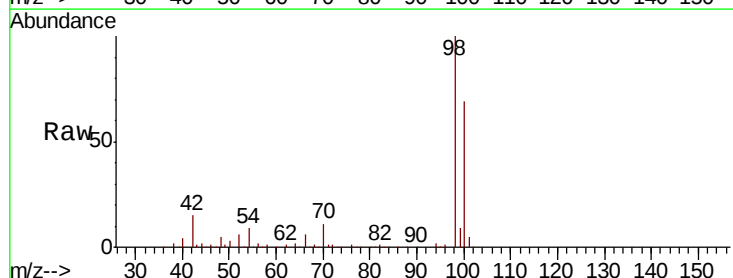
Instrument :
 MSVOA_D
 ClientSampleId :
 A0C10-02A-(6-12)RE

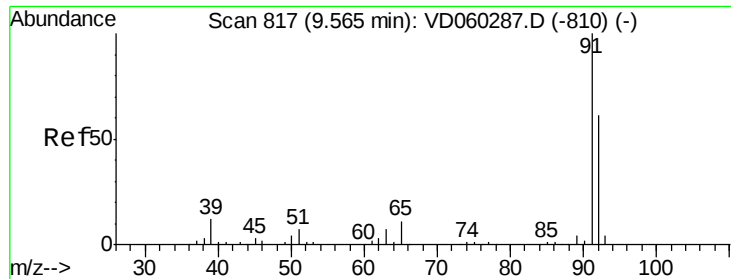
Tot Ion:113 Resp: 574141
 Ion Ratio Lower Upper
 113 100
 111 100.0 81.6 122.4
 192 20.5 16.5 24.7



#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 9.47 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VD060473.D
 Acq: 3 Dec 2018 14:18

Tgt Ion: 98 Resp: 1355348
 Ion Ratio Lower Upper
 98 100
 100 68.8 55.2 82.8





#52

Toluene

Concen: 2.286 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

Instrument :

MSVOA_D

ClientSampleId :

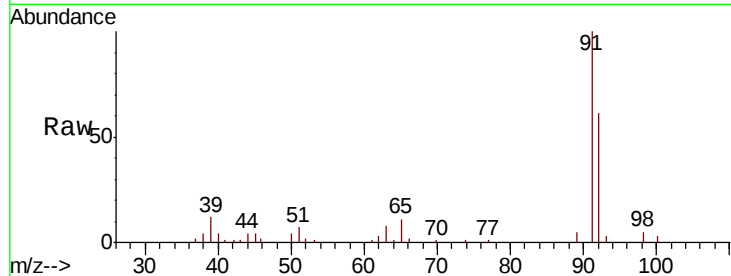
A0C10-02A-(6-12)RE

Tot Ion: 92 Resp: 59871

Ion Ratio Lower Upper

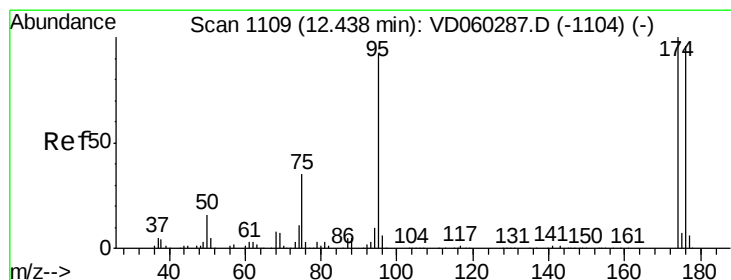
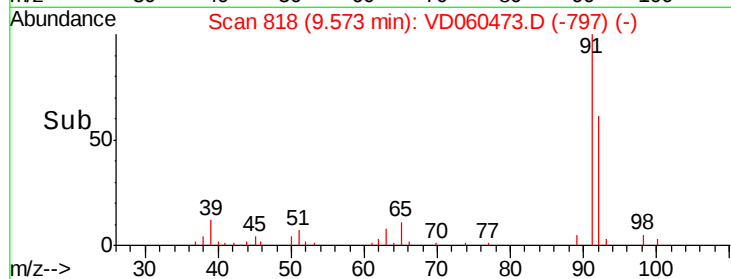
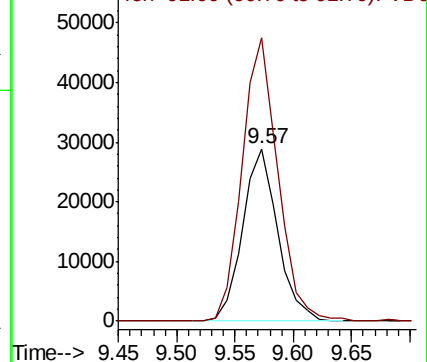
92 100

91 164.4 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060473.D

Acq: 3 Dec 2018 14:18

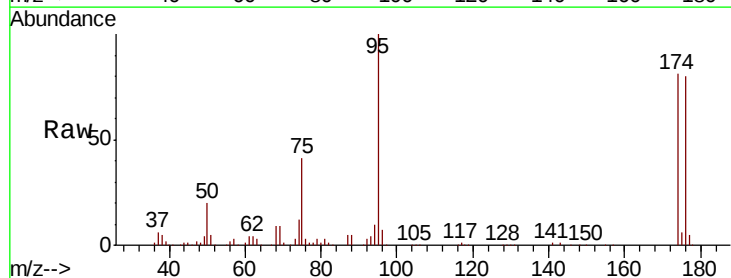
Tgt Ion: 95 Resp: 409550

Ion Ratio Lower Upper

95 100

174 80.9 0.0 160.8

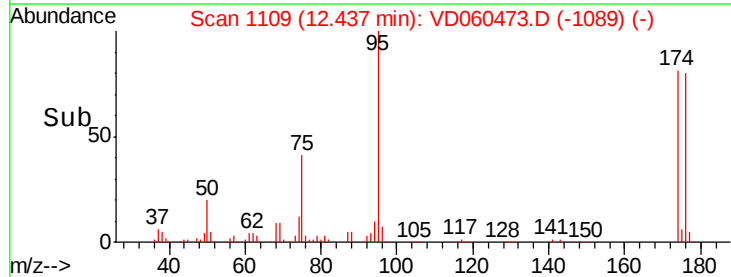
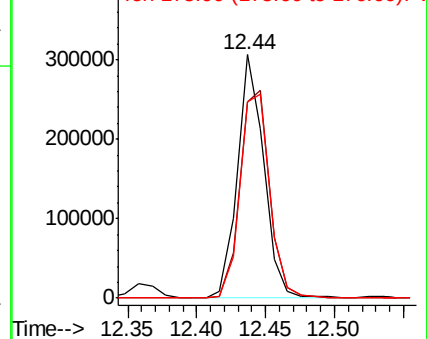
176 80.4 0.0 154.6

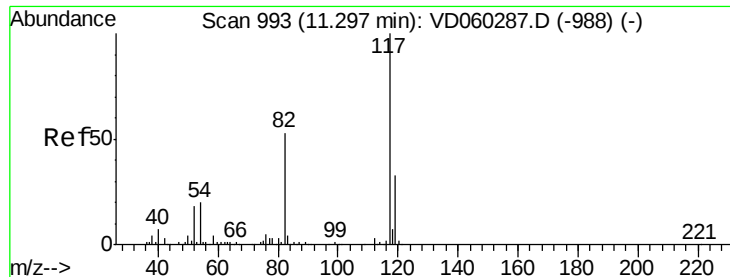


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

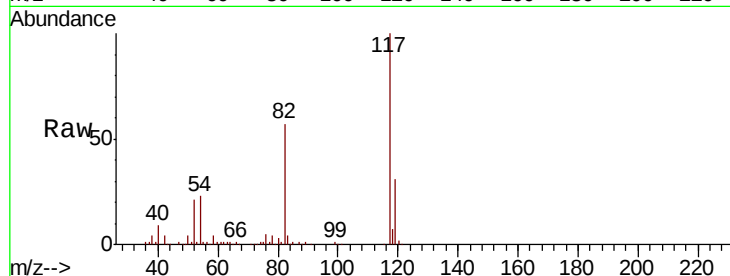




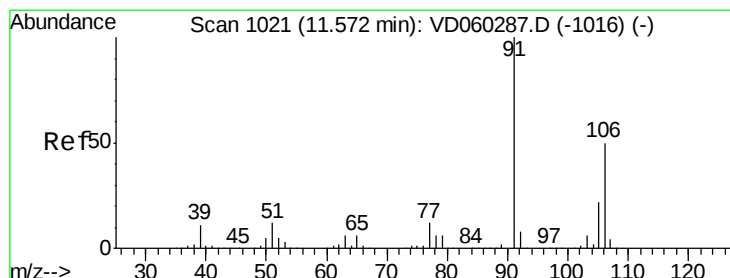
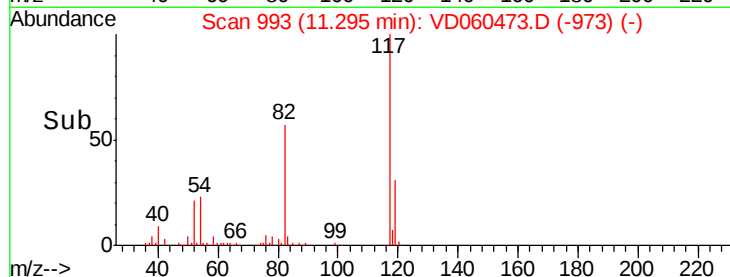
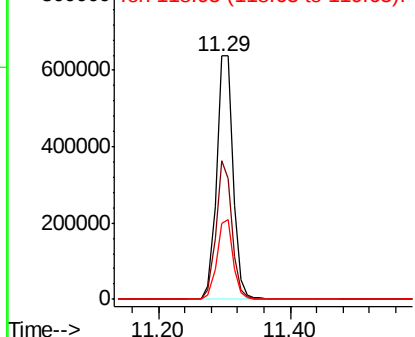
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Instrument :
MSVOA_D
ClientSampleId :
A0C10-02A-(6-12)RE

Tot Ion:117 Resp: 1112318
Ion Ratio Lower Upper
117 100
82 57.0 43.7 65.5
119 31.3 26.1 39.1

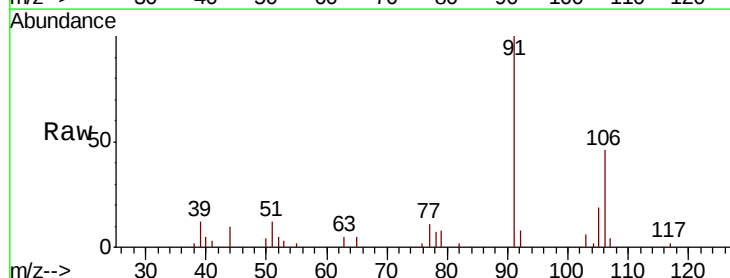


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

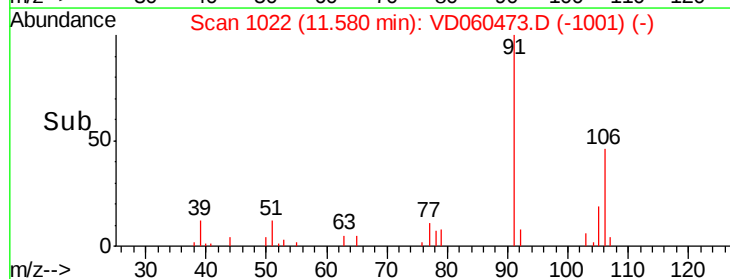
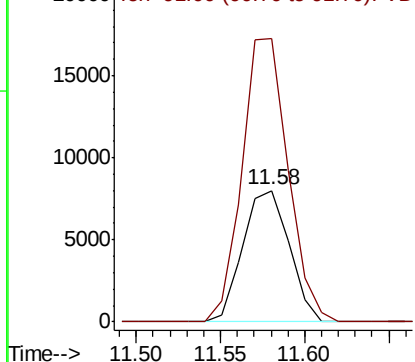


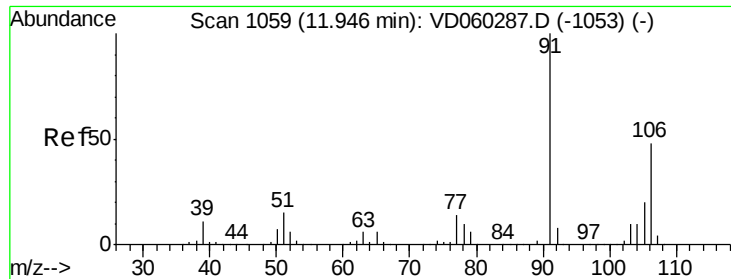
#68
m/p-Xylenes
Concen: 1.003 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion:106 Resp: 15251
Ion Ratio Lower Upper
106 100
91 215.5 159.4 239.2



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

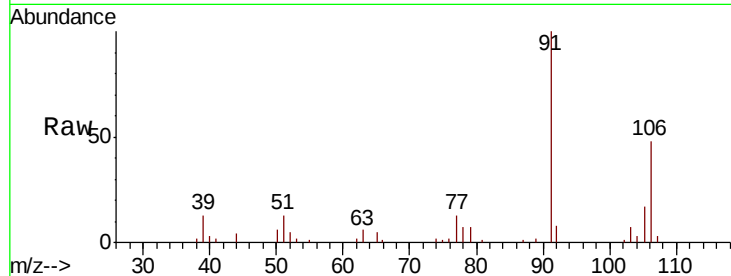




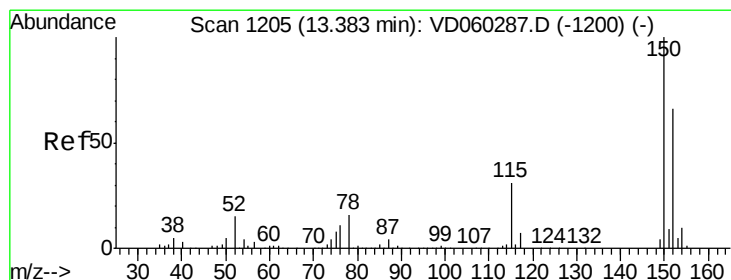
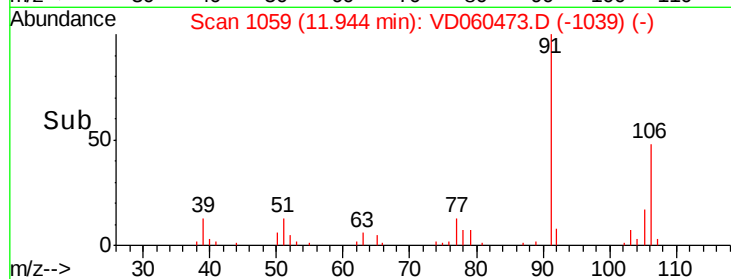
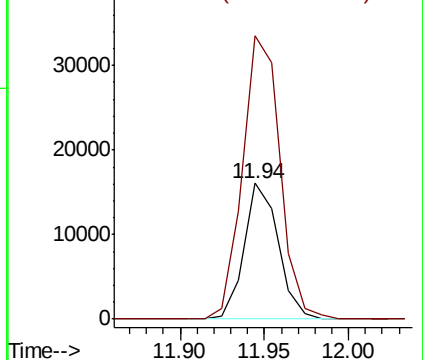
#69
o-Xylene
Concen: 1.538 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Instrument :
MSVOA_D
ClientSampleId :
A0C10-02A-(6-12)RE

Tot Ion:106 Resp: 22590
Ion Ratio Lower Upper
106 100
91 208.7 109.2 327.6

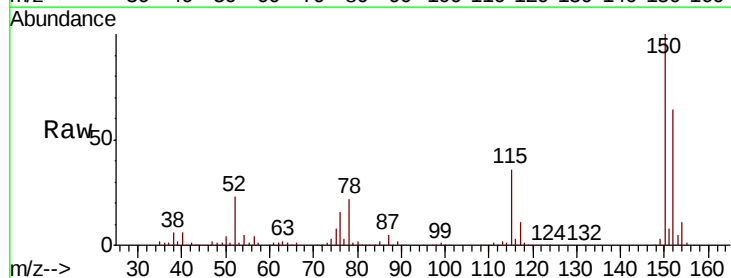


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

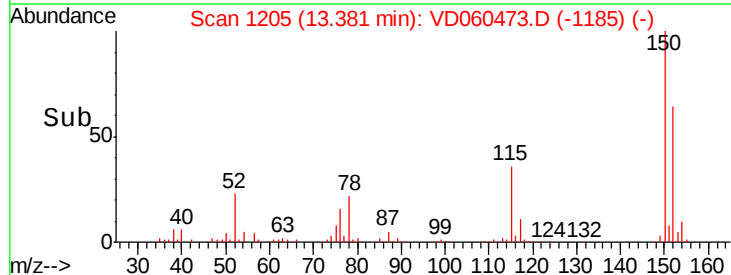
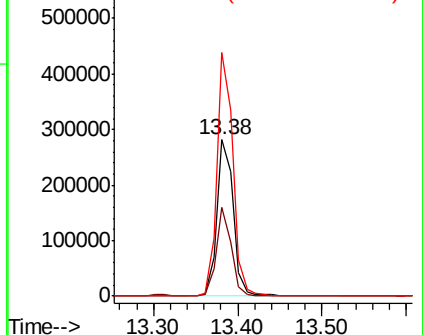


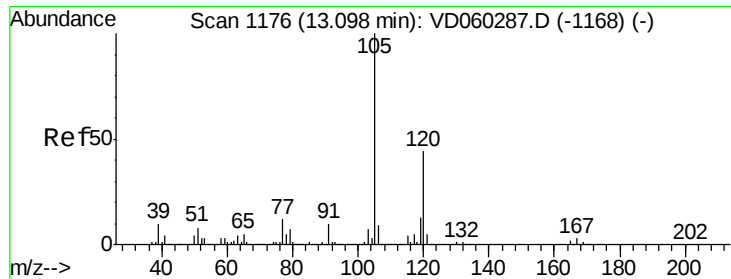
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion:152 Resp: 377879
Ion Ratio Lower Upper
152 100
115 56.4 24.1 72.3
150 155.7 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#84
 1,2,4-Trimethylbenzene
 Concen: 1.238 ug/l
 RT: 13.11 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060473.D
 Acq: 3 Dec 2018 14:18

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C10-02A-(6-12)RE

Tot Ion:105 Resp: 26447
 Ion Ratio Lower Upper
 105 100
 120 48.6 21.9 65.8

