

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062801.D
 Acq On : 20 Jun 2019 18:32
 Operator : VA/AP
 Sample : K3453-01RE
 Misc : 4.93g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FRAC-TANK-MUDRE

Quant Time: Jun 21 07:25:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

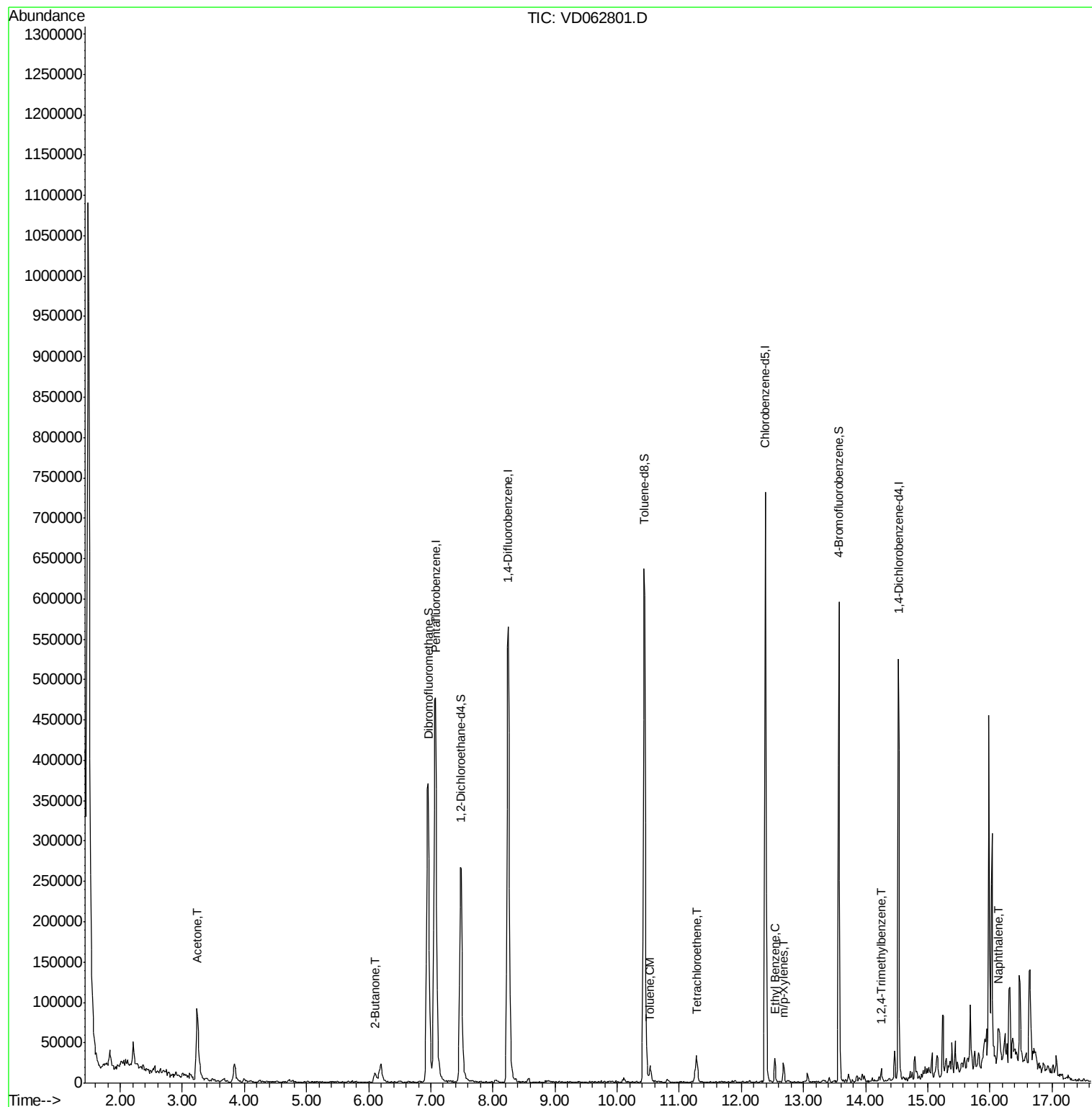
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	463522	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	612642	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	383868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	116968	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	330394	65.57	ug/l	0.02
Spiked Amount 50.000			Recovery	=	131.14%	
35) Dibromofluoromethane	6.95	113	330025	63.89	ug/l	0.02
Spiked Amount 50.000			Recovery	=	127.78%	
50) Toluene-d8	10.44	98	509865	45.35	ug/l	0.03
Spiked Amount 50.000			Recovery	=	90.70%	
62) 4-Bromofluorobenzene	13.57	95	151483	29.63	ug/l	0.02
Spiked Amount 50.000			Recovery	=	59.26%	
Target Compounds						
16) Acetone	3.24	43	181297	175.349	ug/l	96
25) 2-Butanone	6.09	43	23484	24.921	ug/l	96
52) Toluene	10.53	92	10135	1.295	ug/l	94
64) Tetrachloroethene	11.29	164	6628	2.098	ug/l #	86
67) Ethyl Benzene	12.54	91	18249	1.427	ug/l	94
68) m/p-Xylenes	12.68	106	5767	1.295	ug/l	89
84) 1,2,4-Trimethylbenzene	14.25	105	7474	1.158	ug/l	94
95) Naphthalene	16.13	128	20912	6.174	ug/l #	89

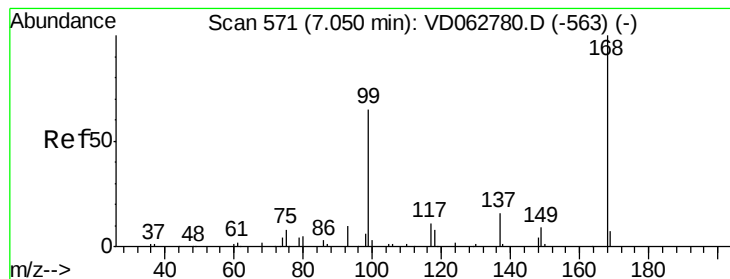
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062019\
Data File : VD062801.D
Acq On : 20 Jun 2019 18:32
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Sample : K3453-01RE
Misc : 4.93g/5ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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FRAC-TANK-MUDRE

Quant Time: Jun 21 07:25:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD062801.D

Acq: 20 Jun 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

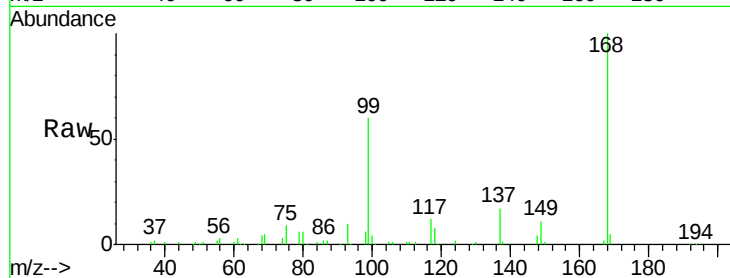
FRAC-TANK-MUDRE

Tot Ion:168 Resp: 463522

Ion Ratio Lower Upper

168 100

99 59.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.08

150000

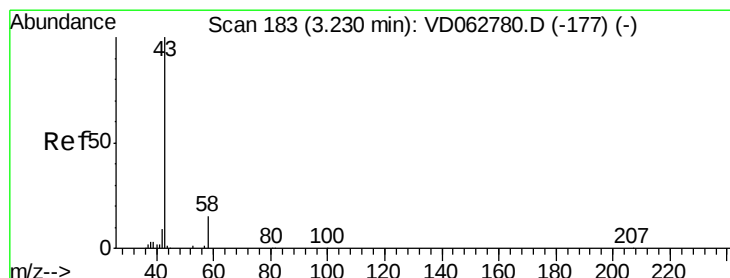
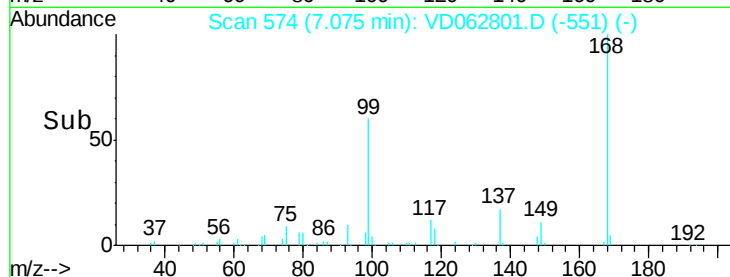
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 175.349 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062801.D

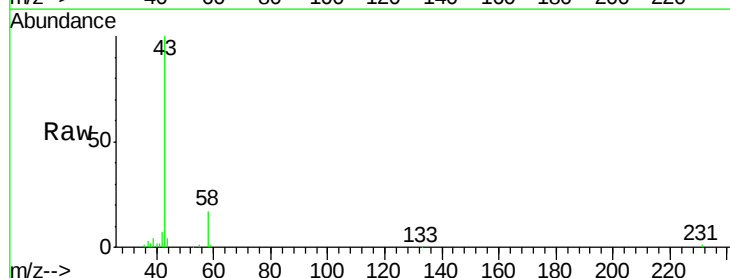
Acq: 20 Jun 2019 18:32

Tgt Ion: 43 Resp: 181297

Ion Ratio Lower Upper

43 100

58 16.6 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

60000

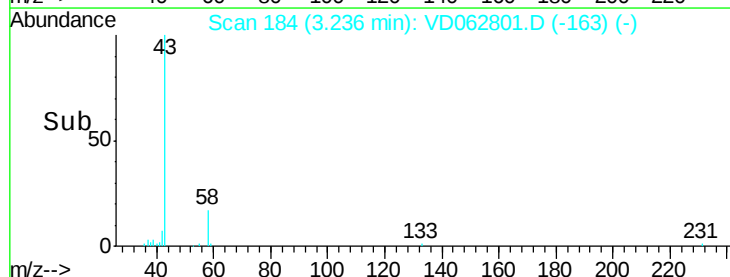
40000

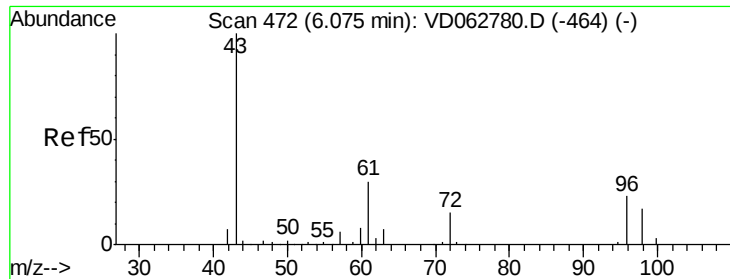
20000

0

Time-->

3.10 3.20 3.30 3.40





#25

2-Butanone

Concen: 24.921 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD062801.D

Acq: 20 Jun 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

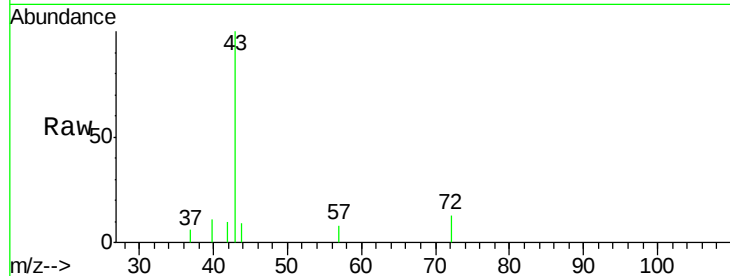
FRAC-TANK-MUDRE

Tot Ion: 43 Resp: 23484

Ion Ratio Lower Upper

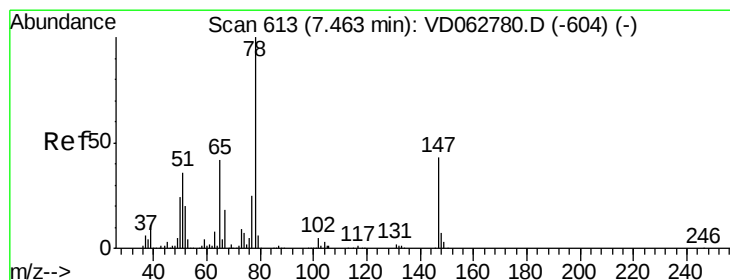
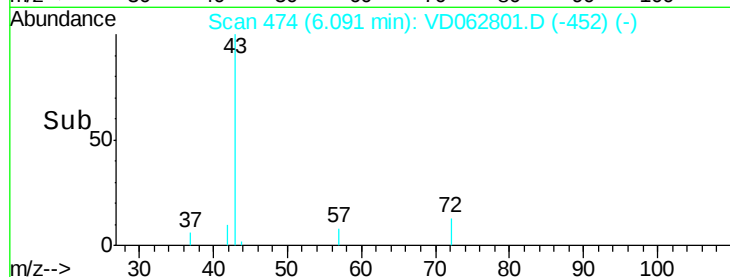
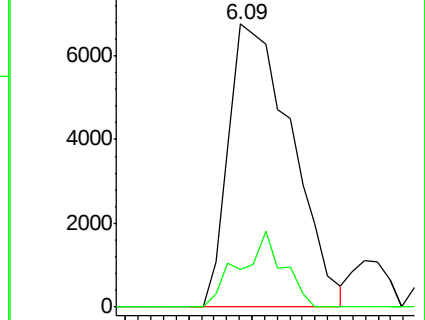
43 100

72 13.2 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 65.575 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD062801.D

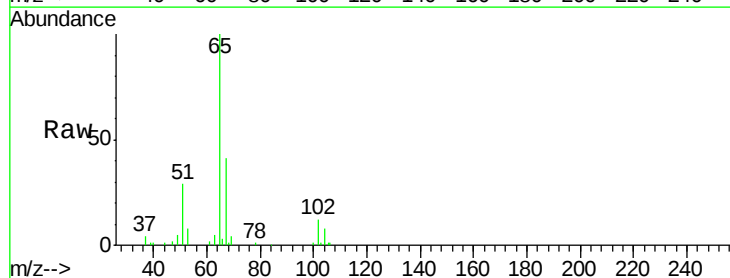
Acq: 20 Jun 2019 18:32

Tgt Ion: 65 Resp: 330394

Ion Ratio Lower Upper

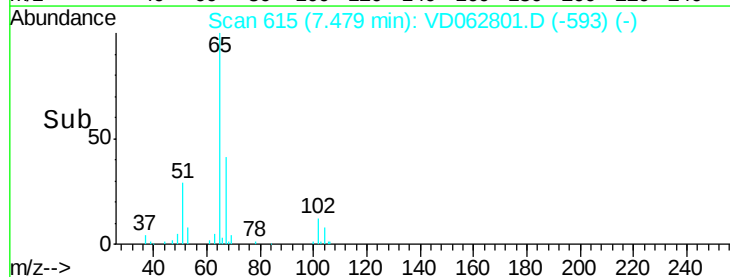
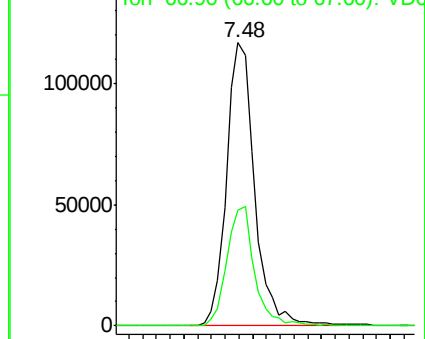
65 100

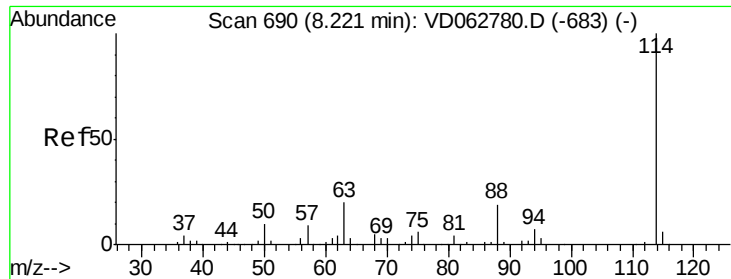
67 40.9 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

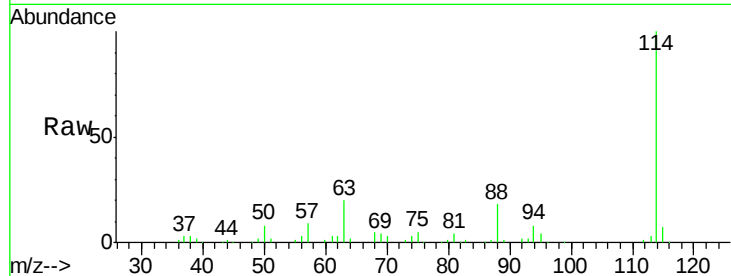




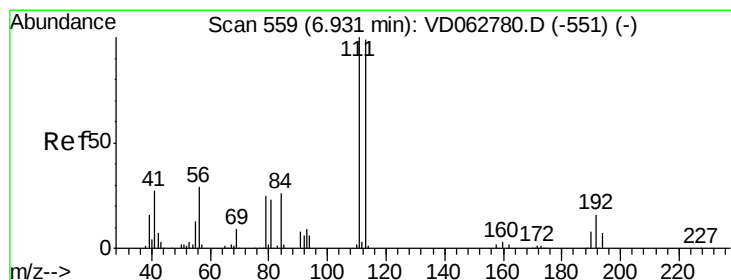
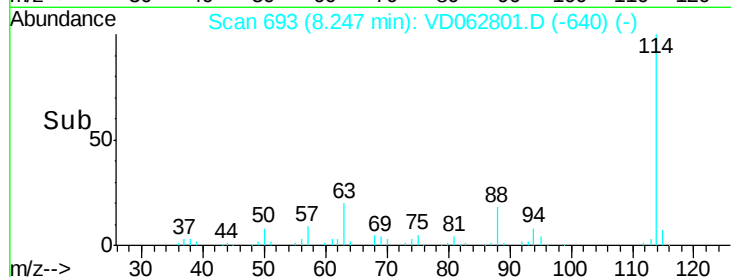
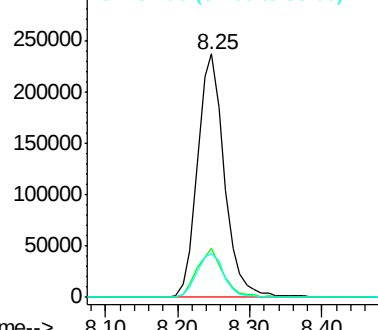
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD062801.D
 Acq: 20 Jun 2019 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 FRAC-TANK-MUDRE

Tot Ion:114 Resp: 612642
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 18.1 0.0 38.8

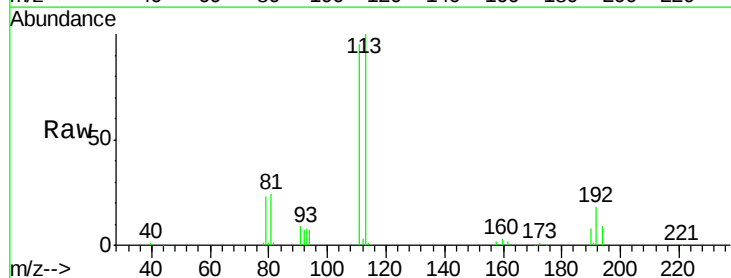


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

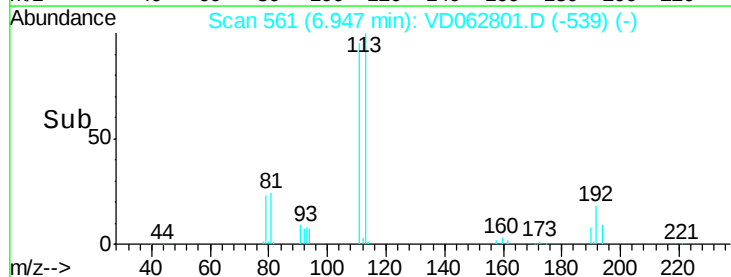
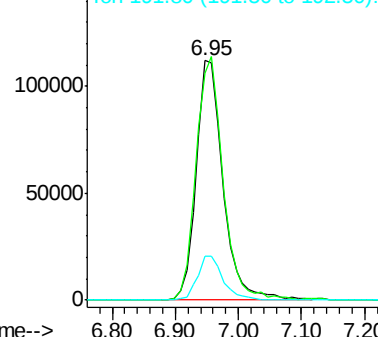


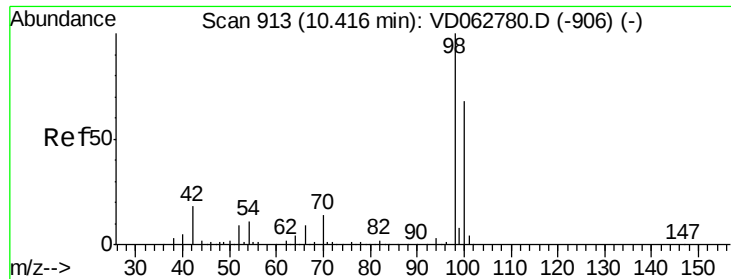
#35
 Dibromofluoromethane
 Concen: 63.887 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD062801.D
 Acq: 20 Jun 2019 18:32

Tgt Ion:113 Resp: 330025
 Ion Ratio Lower Upper
 113 100
 111 94.6 81.2 121.8
 192 18.1 12.9 19.3



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





#50

Toluene-d8

Concen: 45.349 ug/l

RT: 10.44 min Scan# 916

Delta R.T. 0.03 min

Lab File: VD062801.D

Acq: 20 Jun 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

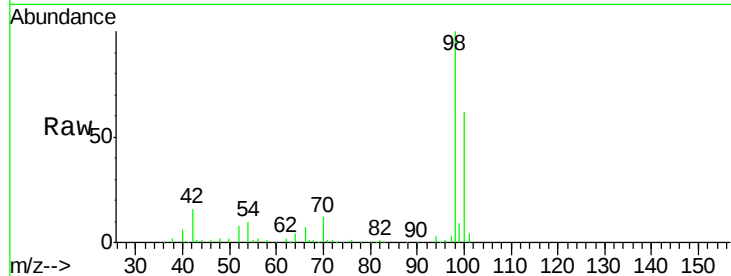
FRAC-TANK-MUDRE

Tot Ion: 98 Resp: 509865

Ion Ratio Lower Upper

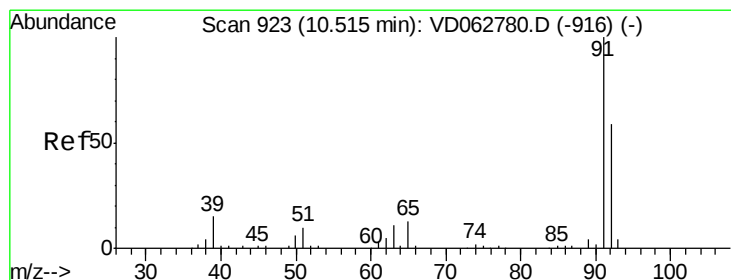
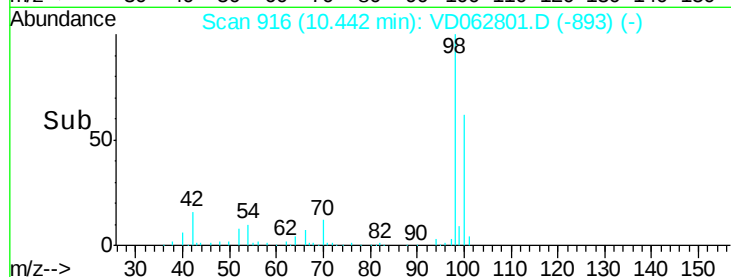
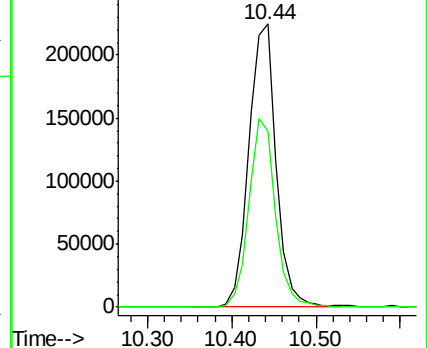
98 100

100 62.3 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 1.295 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD062801.D

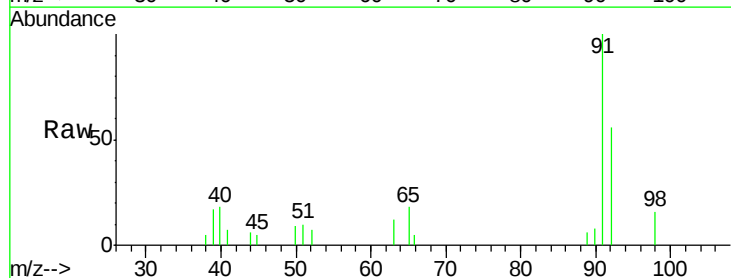
Acq: 20 Jun 2019 18:32

Tgt Ion: 92 Resp: 10135

Ion Ratio Lower Upper

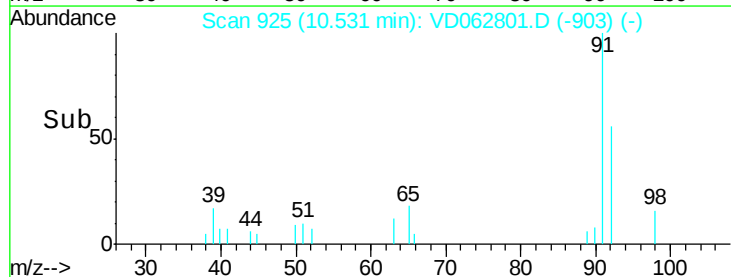
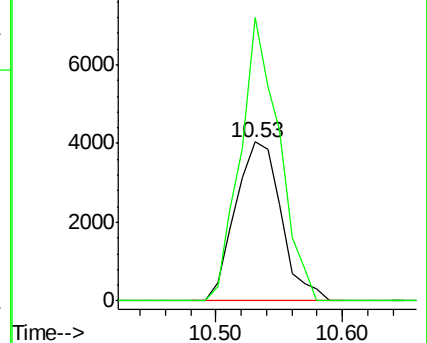
92 100

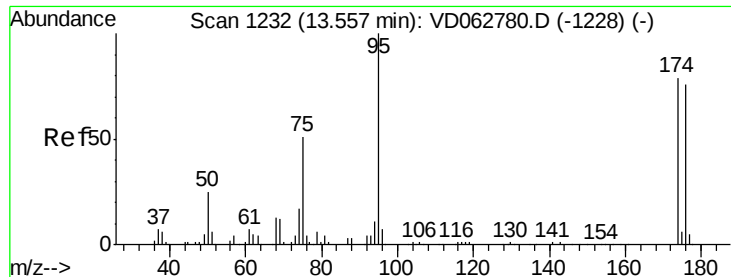
91 178.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

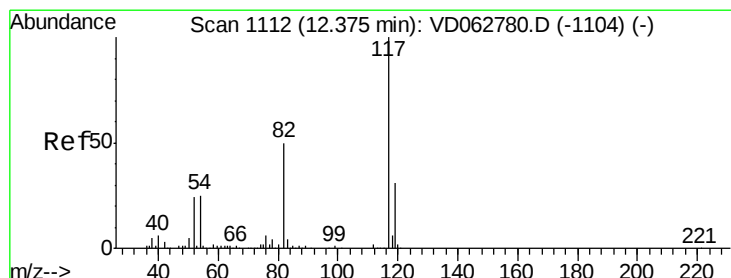
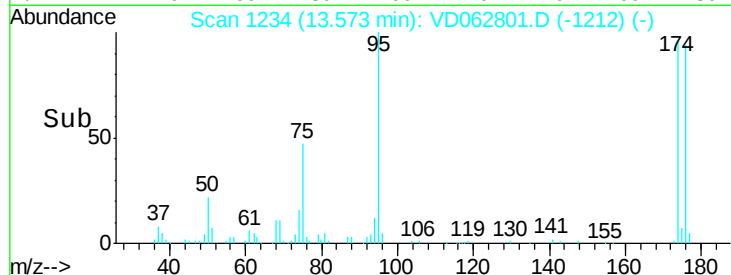
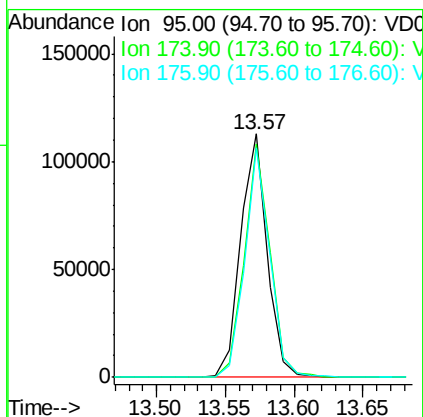
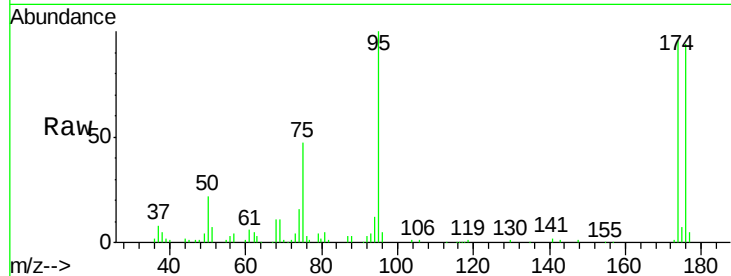




#62
4-Bromofluorobenzene
Concen: 29.631 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD062801.D
Acq: 20 Jun 2019 18:32

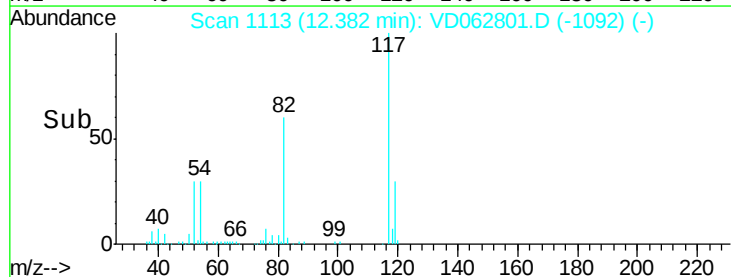
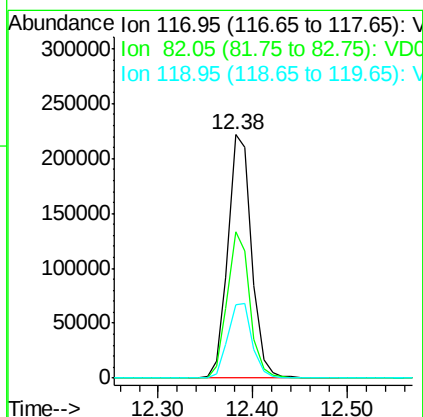
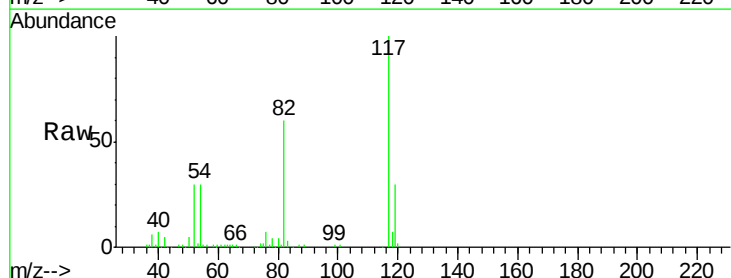
Instrument :
MSVOA_D
ClientSampleId :
FRAC-TANK-MUDRE

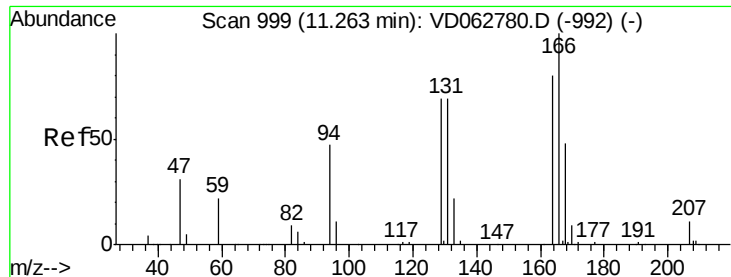
Tot Ion: 95 Resp: 151483
Ion Ratio Lower Upper
95 100
174 95.7 0.0 158.0
176 94.1 0.0 151.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062801.D
Acq: 20 Jun 2019 18:32

Tgt Ion: 117 Resp: 383868
Ion Ratio Lower Upper
117 100
82 60.0 40.4 60.6
119 30.2 25.2 37.8





#64

Tetrachloroethene

Concen: 2.098 ug/l

RT: 11.29 min Scan# 1002

Delta R.T. 0.03 min

Lab File: VD062801.D

Acq: 20 Jun 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

FRAC-TANK-MUDRE

Tot Ion:164 Resp: 6628

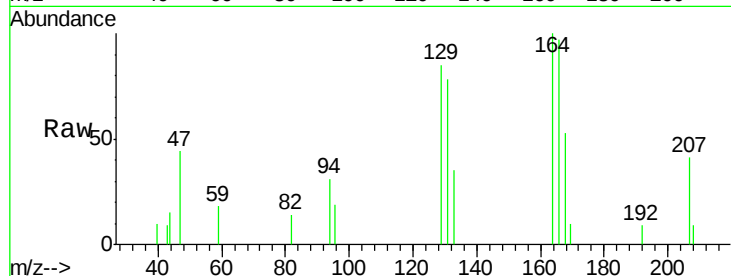
Ion Ratio Lower Upper

164 100

166 97.1 100.6 150.8#

129 85.0 69.4 104.0

131 78.4 69.3 103.9

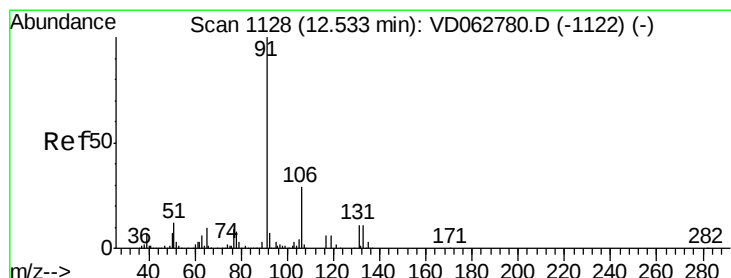
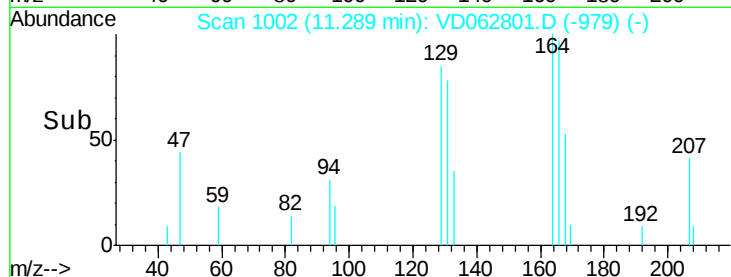
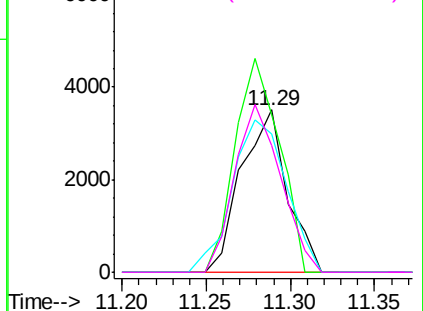


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 1.427 ug/l

RT: 12.54 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD062801.D

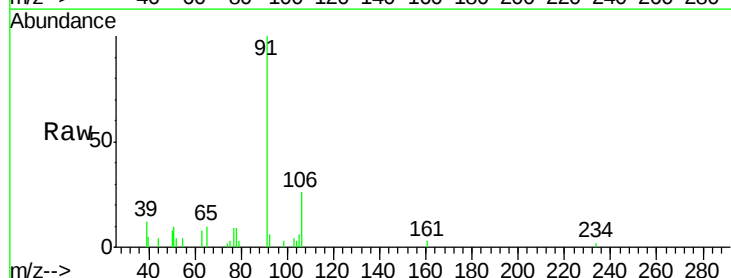
Acq: 20 Jun 2019 18:32

Tgt Ion: 91 Resp: 18249

Ion Ratio Lower Upper

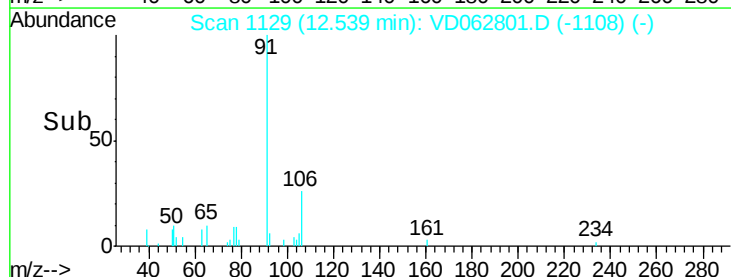
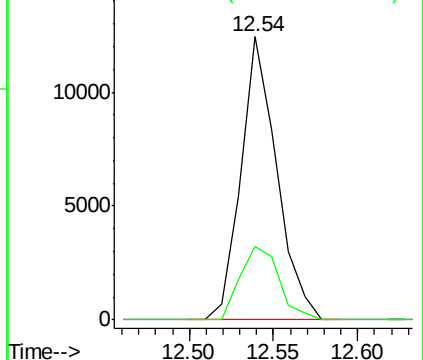
91 100

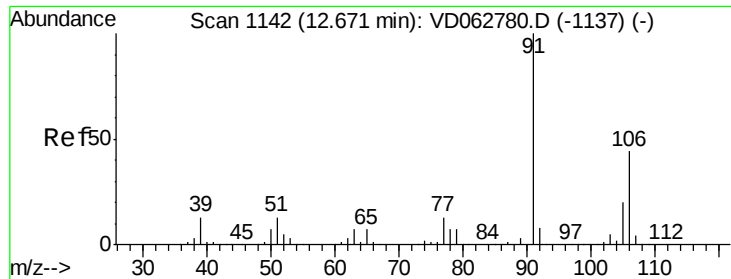
106 26.0 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

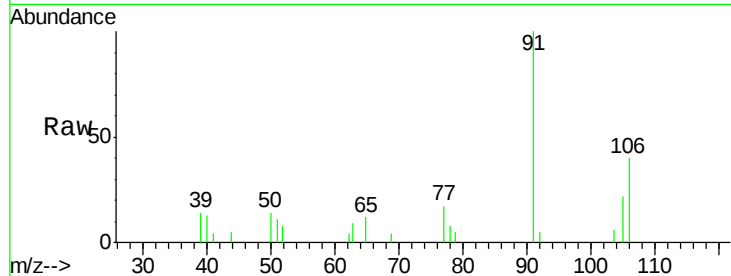




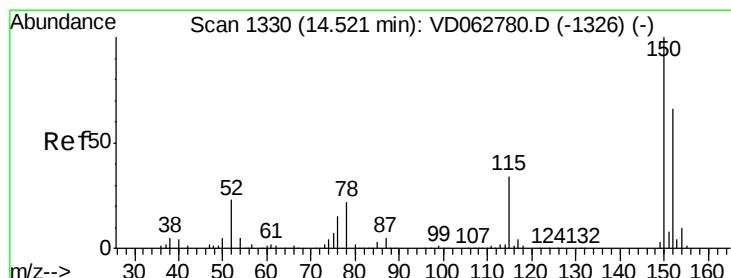
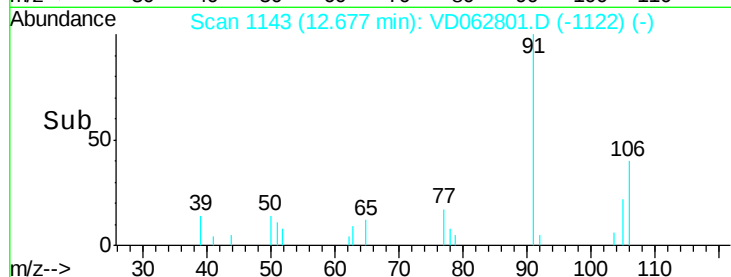
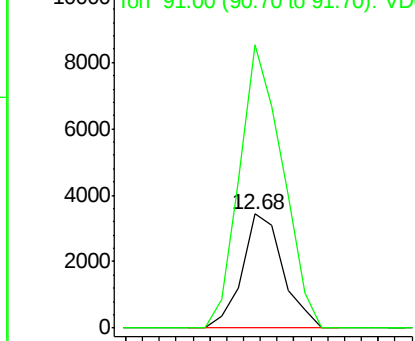
#68
m/p-Xvlenes
Concen: 1.295 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062801.D
Acq: 20 Jun 2019 18:32

Instrument :
MSVOA_D
ClientSampleId :
FRAC-TANK-MUDRE

Tot Ion:106 Resp: 5767
Ion Ratio Lower Upper
106 100
91 247.6 183.0 274.6

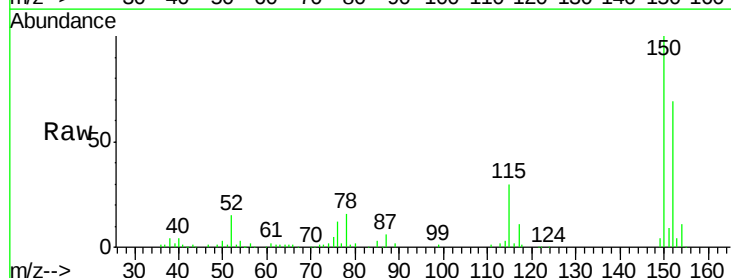


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

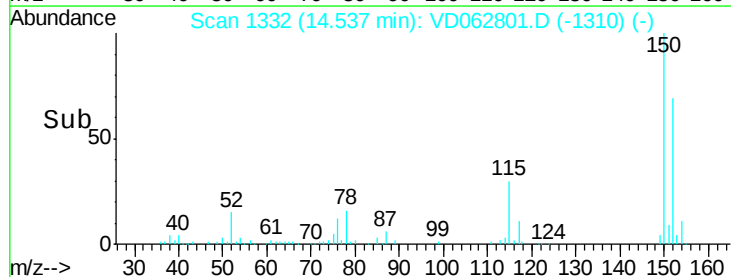
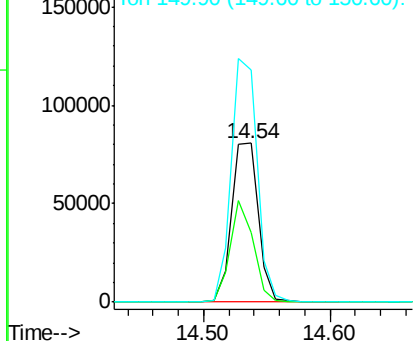


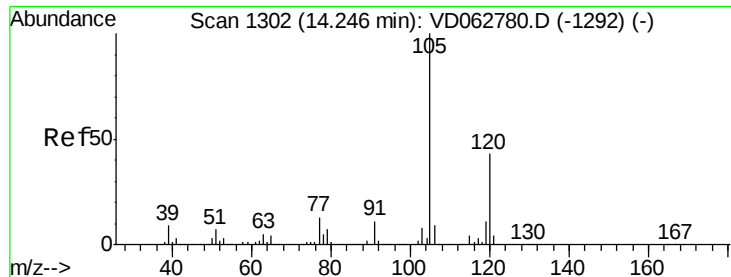
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.54 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062801.D
Acq: 20 Jun 2019 18:32

Tgt Ion:152 Resp: 116968
Ion Ratio Lower Upper
152 100
115 43.7 29.2 87.6
150 145.9 0.0 305.8



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

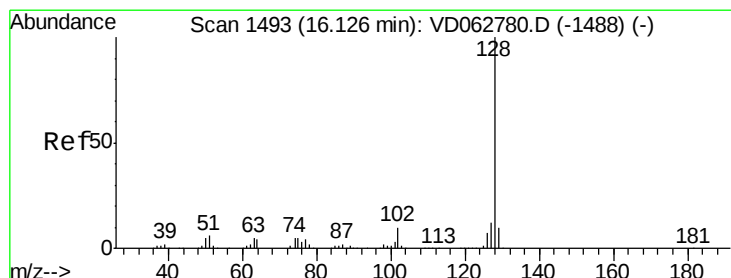
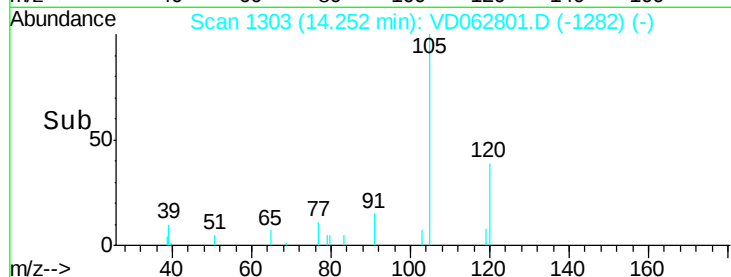
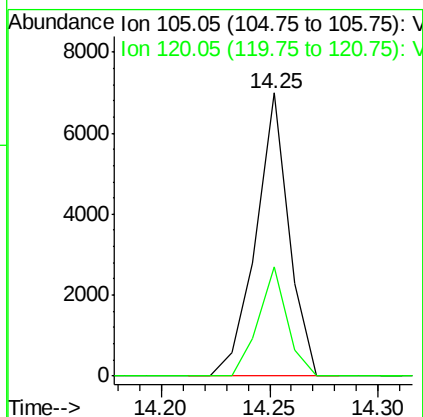
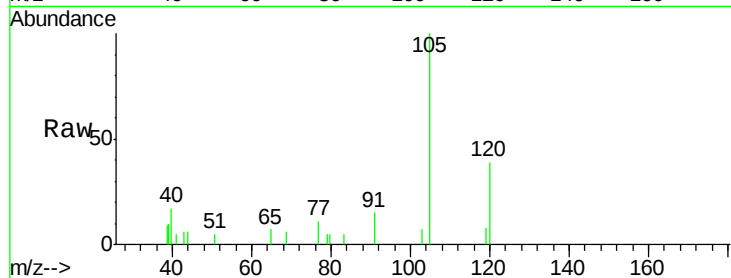




#84
 1,2,4-Trimethylbenzene
 Concen: 1.158 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD062801.D
 Acq: 20 Jun 2019 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 FRAC-TANK-MUDRE

Tot Ion:105 Resp: 7474
 Ion Ratio Lower Upper
 105 100
 120 38.6 21.3 63.9



#95
 Naphthalene
 Concen: 6.174 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VD062801.D
 Acq: 20 Jun 2019 18:32

Tgt Ion:128 Resp: 20912
 Ion Ratio Lower Upper
 128 100
 127 17.5 9.7 14.5#
 129 13.3 8.3 12.5#

