

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063292.D
 Acq On : 1 Aug 2019 15:08
 Operator : VA/AP
 Sample : K4120-02
 Misc : 5.20g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T1-2

Quant Time: Aug 02 07:52:17 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	7.04	168	1023134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1445655	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1010567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	361563	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	426298	37.55	ug/l	0.00
Spiked Amount			Recovery	=	75.10%	
35) Dibromofluoromethane	6.92	113	499688	40.48	ug/l	0.00
Spiked Amount			Recovery	=	80.96%	
50) Toluene-d8	10.40	98	1065565	38.58	ug/l	0.00
Spiked Amount			Recovery	=	77.16%	
62) 4-Bromofluorobenzene	13.55	95	348557	27.69	ug/l	0.00
Spiked Amount			Recovery	=	55.38%	

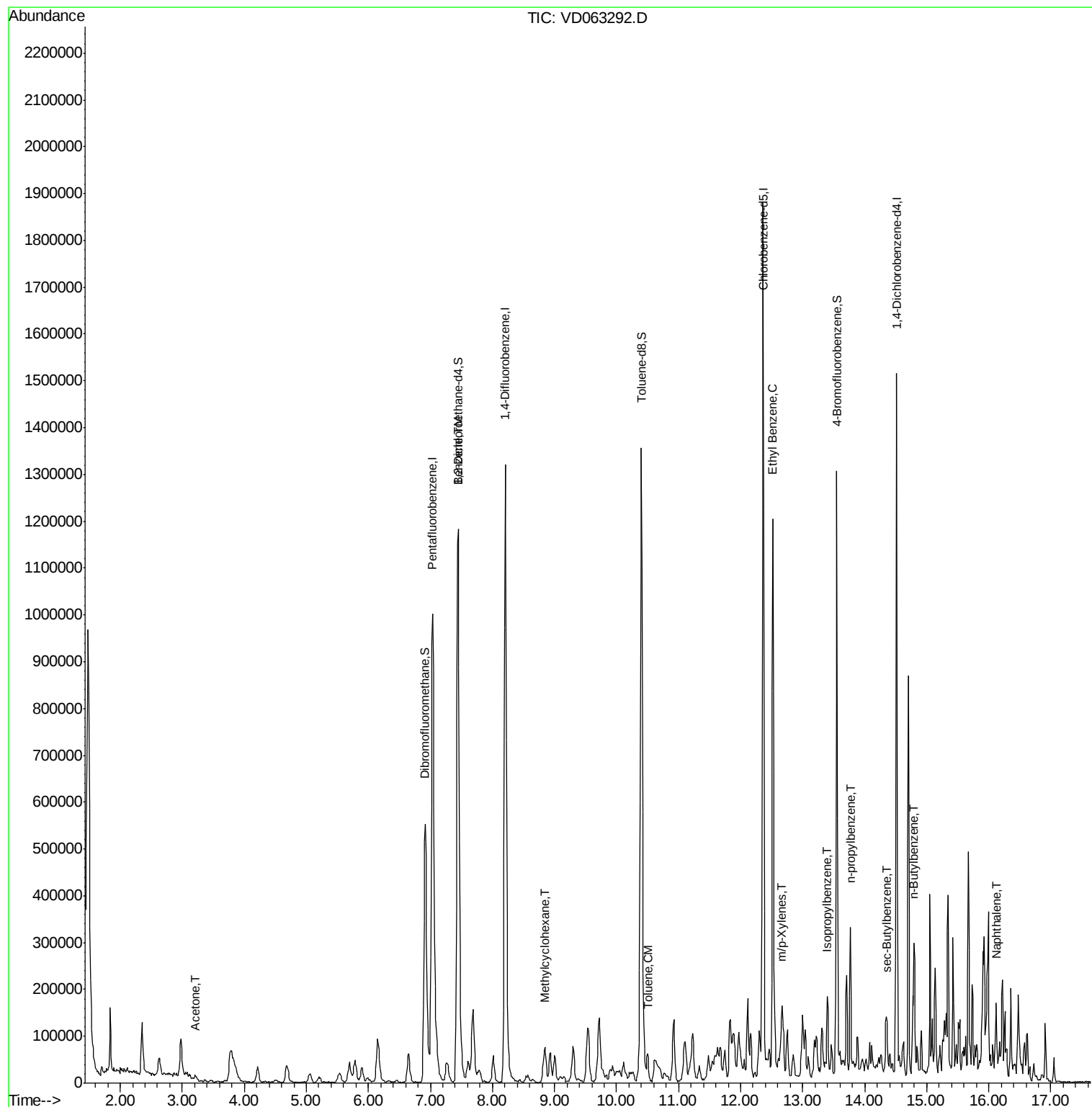
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	24714	11.173	ug/l #	92
39) Methylcyclohexane	8.84	83	37340	3.397	ug/l #	77
40) Benzene	7.45	78	958443	34.662	ug/l	96
52) Toluene	10.50	92	24454	1.330	ug/l	99
67) Ethyl Benzene	12.52	91	755992	22.895	ug/l	99
68) m/p-Xylenes	12.67	106	32691	2.700	ug/l	99
73) Isopropylbenzene	13.39	105	91593	4.036	ug/l	98
78) n-propylbenzene	13.77	91	193648	7.171	ug/l	99
85) sec-Butylbenzene	14.36	105	42497	1.805	ug/l	91
89) n-Butylbenzene	14.79	91	88008	4.534	ug/l	98
95) Naphthalene	16.12	128	63814	5.706	ug/l #	96

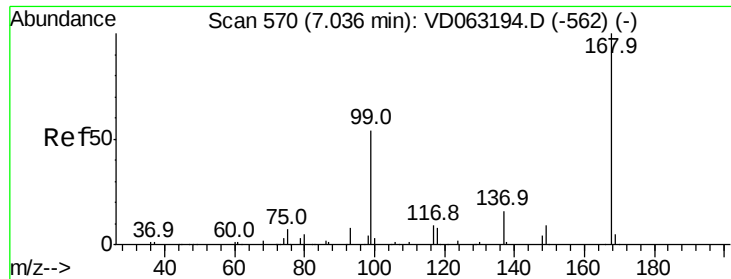
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080119\
Data File : VD063292.D
Acq On : 1 Aug 2019 15:08
Operator : VA/AP
Sample : K4120-02
Misc : 5.20g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
T1-2

Quant Time: Aug 02 07:52:17 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: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063292.D

Acq: 1 Aug 2019 15:08

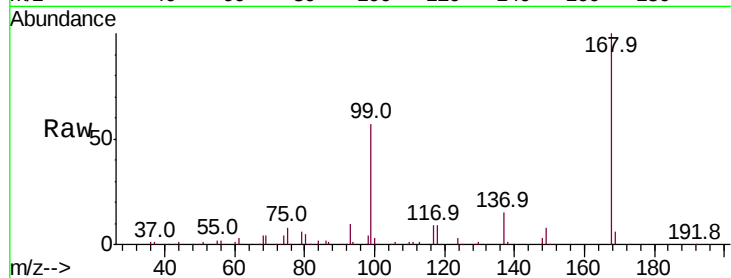
Instrument :
MSVOA_D
ClientSampled :
T1-2

Tot Ion:168 Resp: 1023134

Ion Ratio Lower Upper

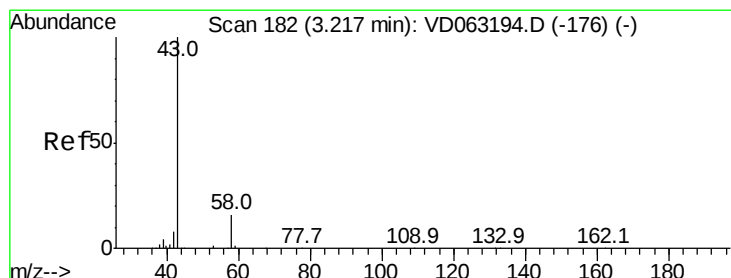
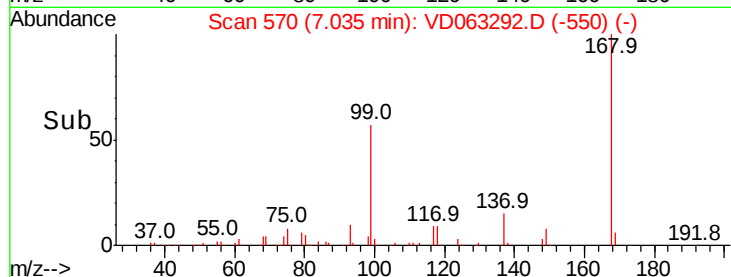
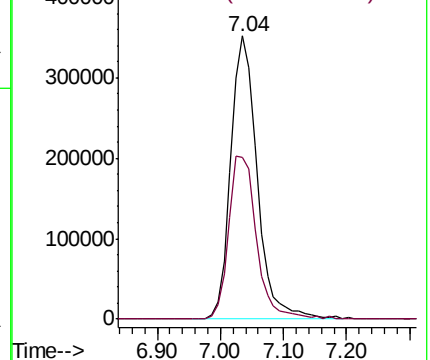
168 100

99 57.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 11.173 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063292.D

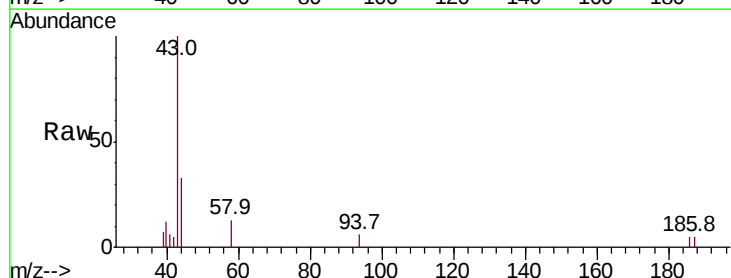
Acq: 1 Aug 2019 15:08

Tgt Ion: 43 Resp: 24714

Ion Ratio Lower Upper

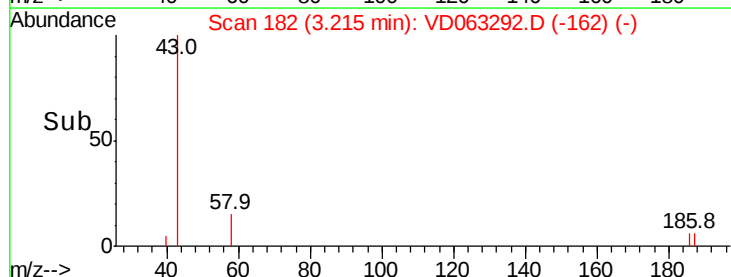
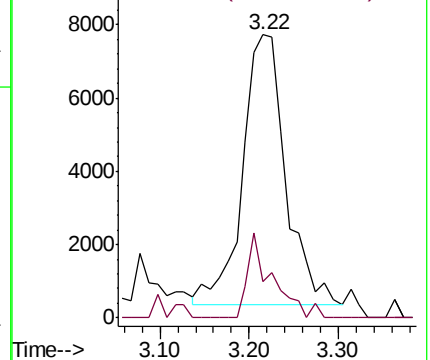
43 100

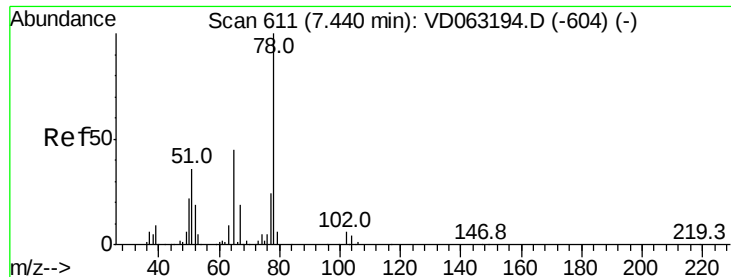
58 12.7 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 37.551 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063292.D

Acq: 1 Aug 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

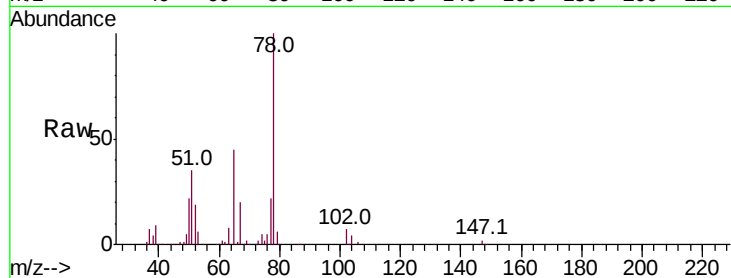
T1-2

Tot Ion: 65 Resp: 426298

Ion Ratio Lower Upper

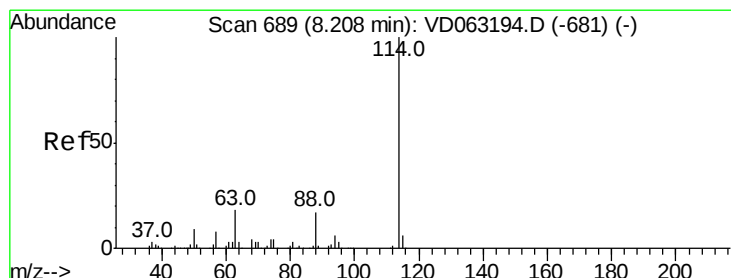
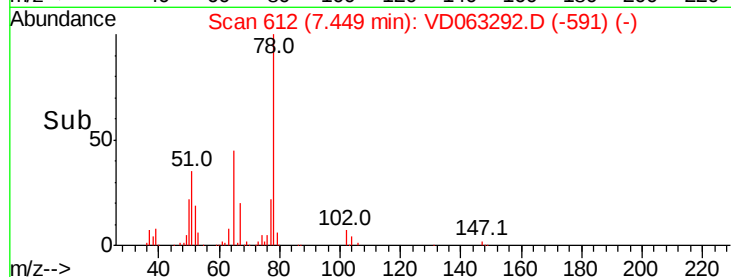
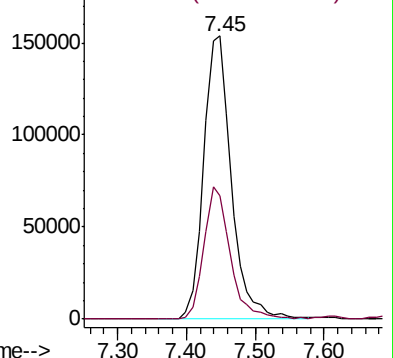
65 100

67 43.7 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: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD063292.D

Acq: 1 Aug 2019 15:08

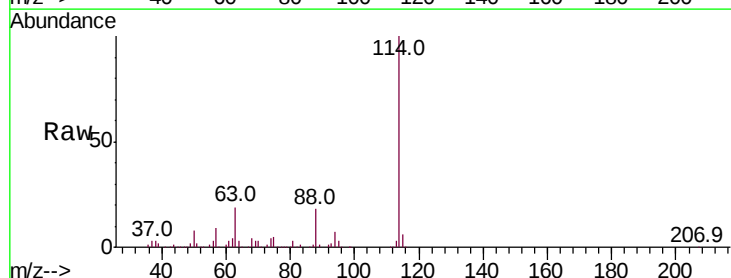
Tgt Ion: 114 Resp: 1445655

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.2

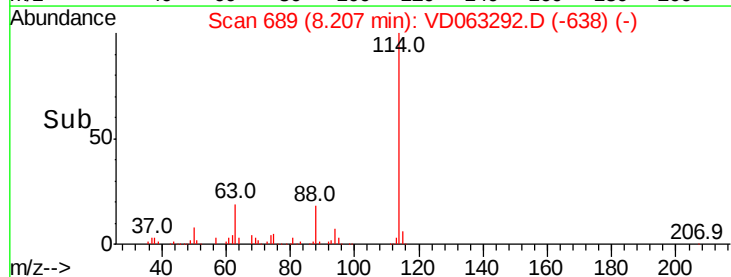
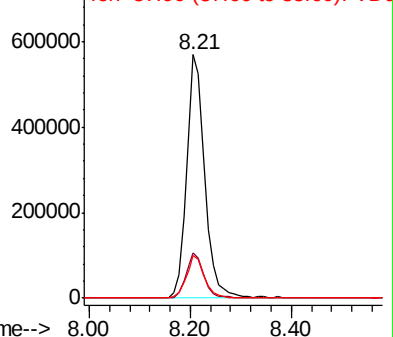
88 17.6 0.0 34.6

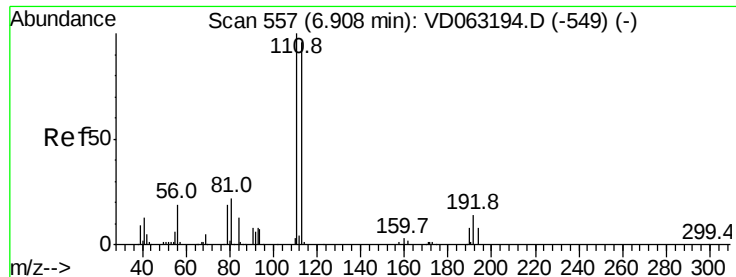


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 40.484 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063292.D

Acq: 1 Aug 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

T1-2

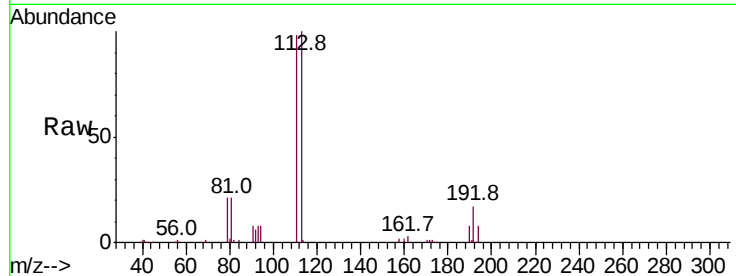
Tot Ion:113 Resp: 499688

Ion Ratio Lower Upper

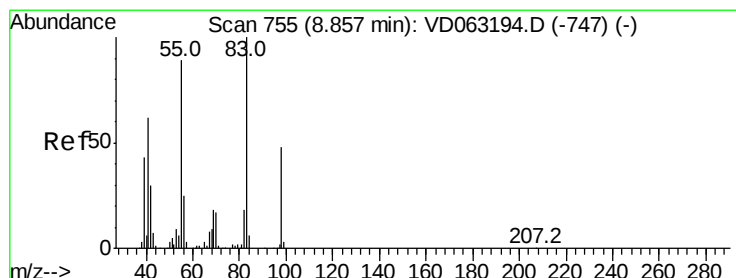
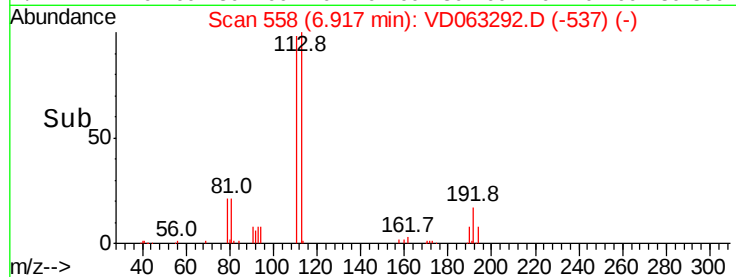
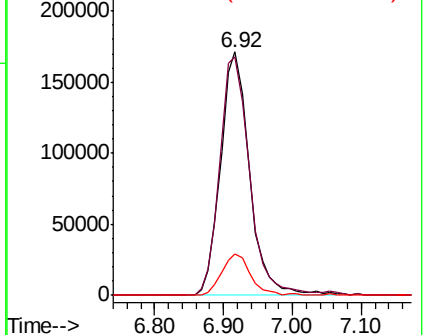
113 100

111 98.1 83.2 124.8

192 17.2 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



#39

Methylcyclohexane

Concen: 3.397 ug/l

RT: 8.84 min Scan# 753

Delta R.T. -0.02 min

Lab File: VD063292.D

Acq: 1 Aug 2019 15:08

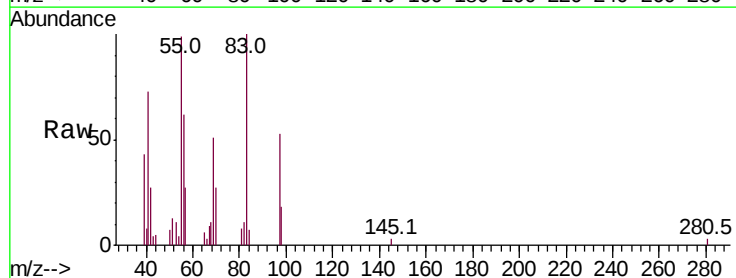
Tgt Ion: 83 Resp: 37340

Ion Ratio Lower Upper

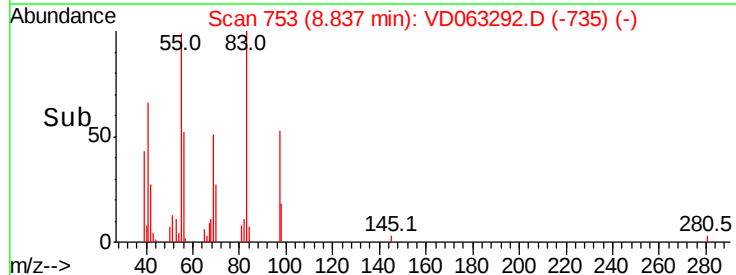
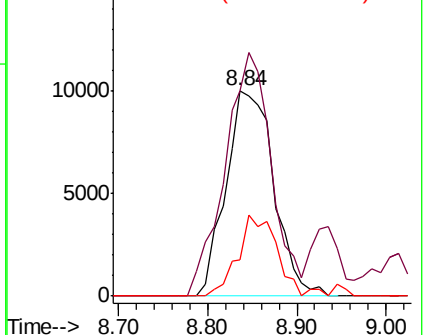
83 100

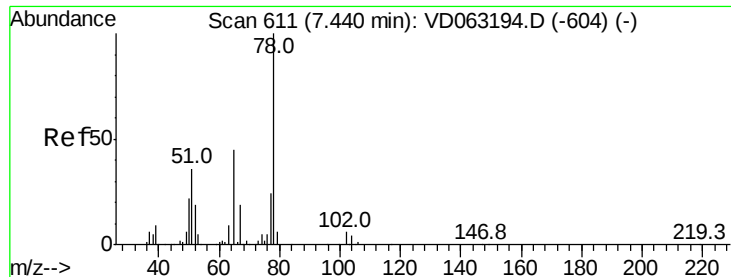
55 99.5 71.1 106.7

98 17.6 38.5 57.7#



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 34.662 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063292.D

Acq: 1 Aug 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

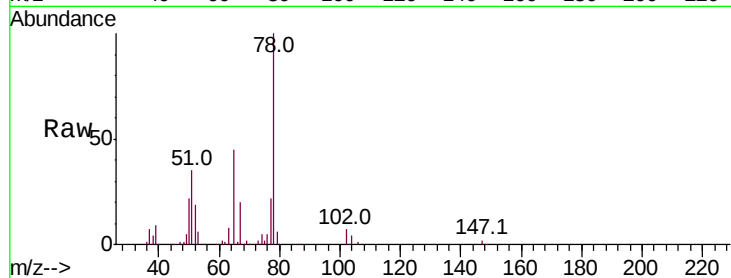
T1-2

Tot Ion: 78 Resp: 958443

Ion Ratio Lower Upper

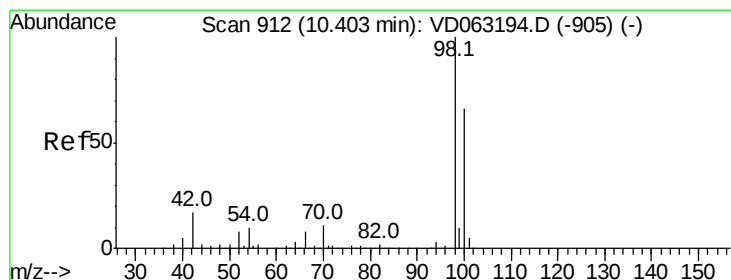
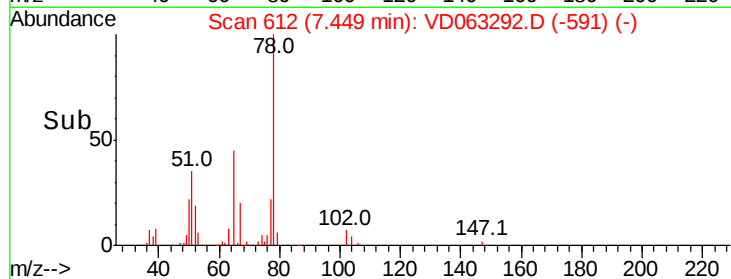
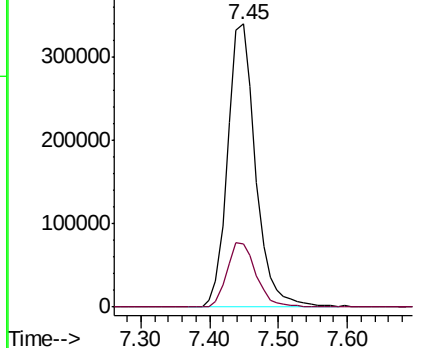
78 100

77 22.1 19.4 29.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: 38.575 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD063292.D

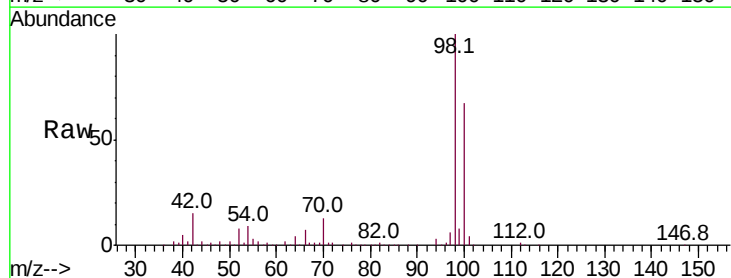
Acq: 1 Aug 2019 15:08

Tgt Ion: 98 Resp: 1065565

Ion Ratio Lower Upper

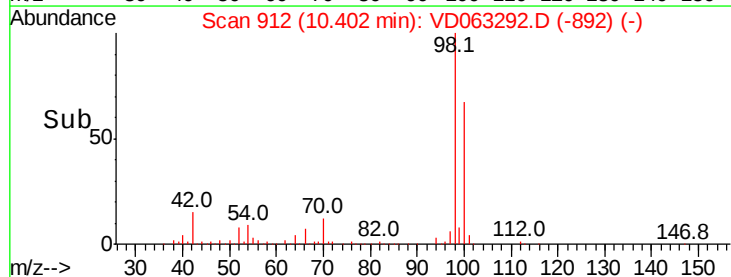
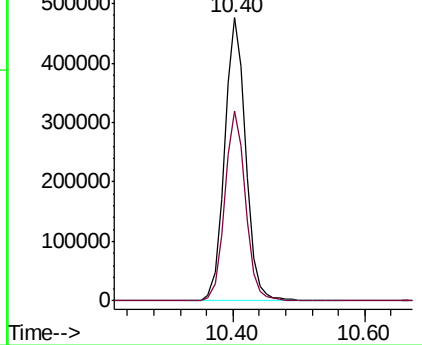
98 100

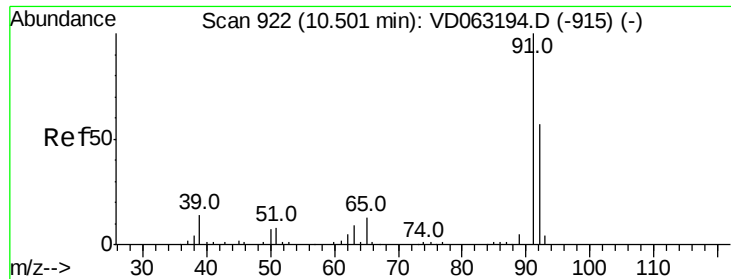
100 67.3 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 1.330 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063292.D

Acq: 1 Aug 2019 15:08

Instrument :

MSVOA_D

ClientSampled :

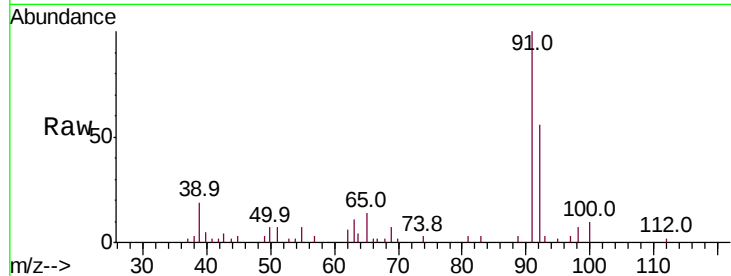
T1-2

Tot Ion: 92 Resp: 24454

Ion Ratio Lower Upper

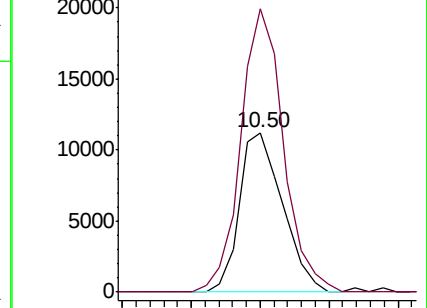
92 100

91 177.7 140.8 211.2

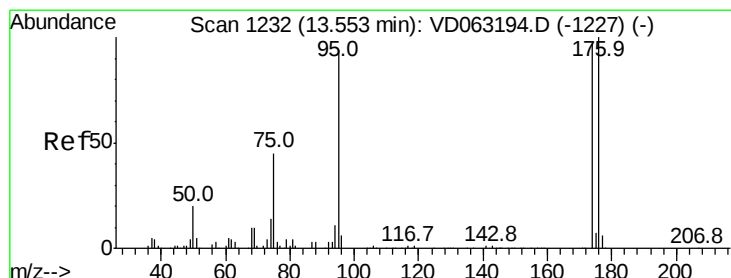
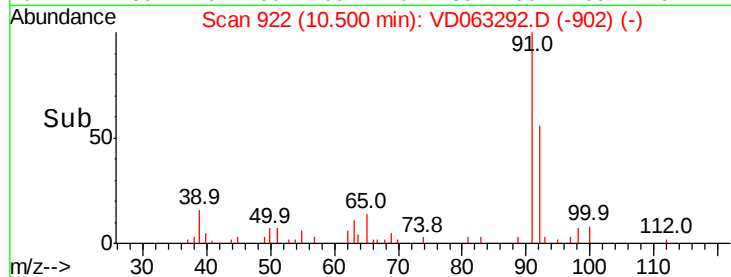


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time--> 10.40 10.45 10.50 10.55



#62

4-Bromofluorobenzene

Concen: 27.690 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063292.D

Acq: 1 Aug 2019 15:08

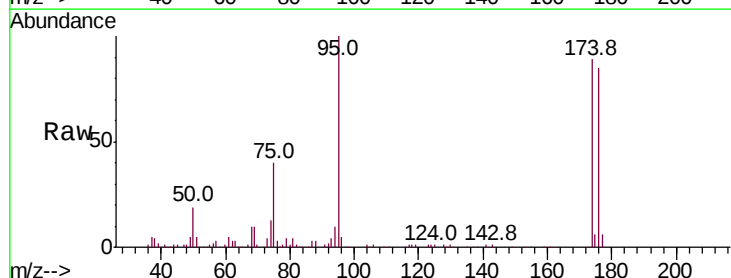
Tgt Ion: 95 Resp: 348557

Ion Ratio Lower Upper

95 100

174 88.7 0.0 205.4

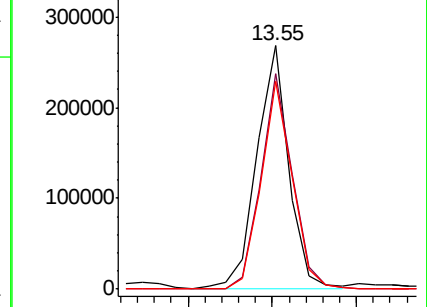
176 85.3 0.0 211.8



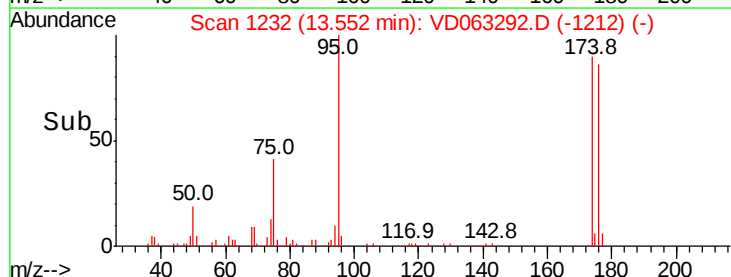
Abundance Ion 95.00 (94.70 to 95.70): VDC

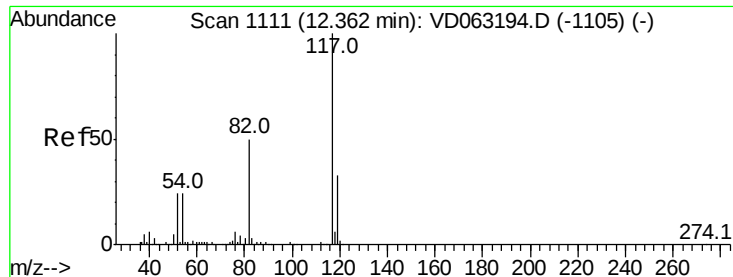
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time--> 13.50 13.55 13.60

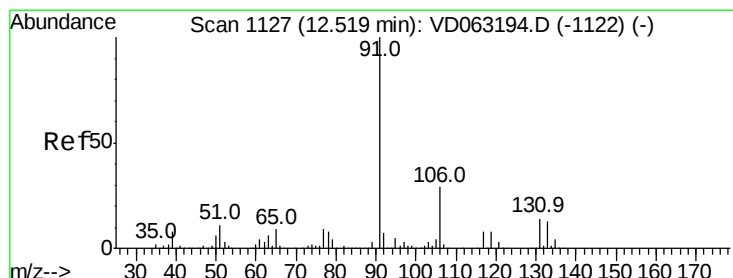
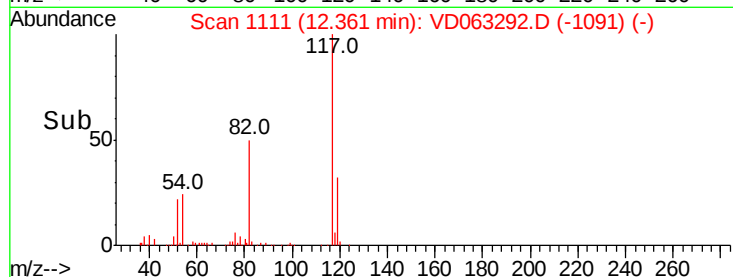
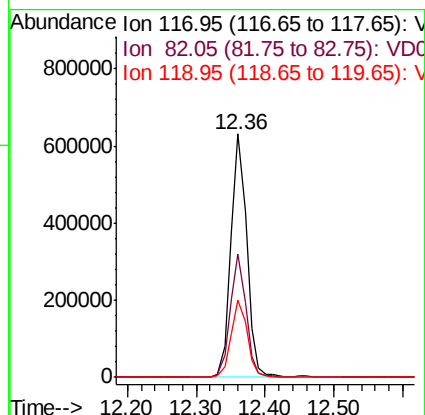
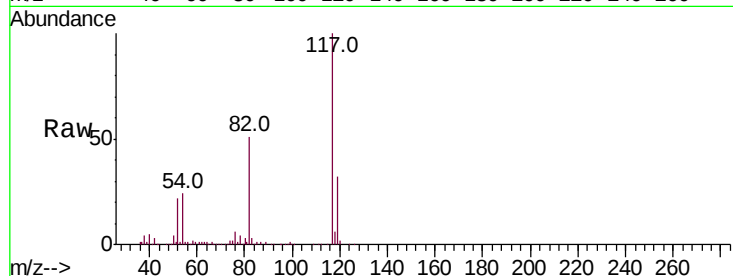




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063292.D
Acq: 1 Aug 2019 15:08

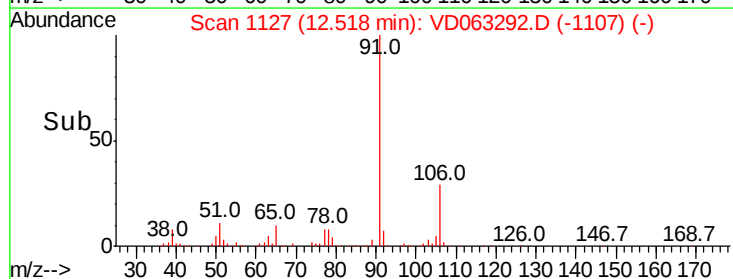
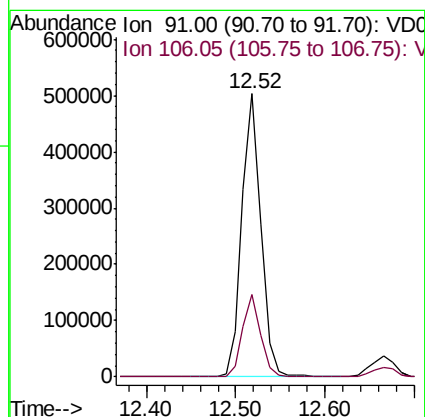
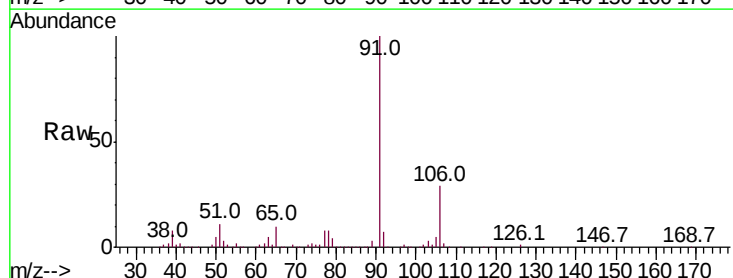
Instrument :
MSVOA_D
ClientSampled :
T1-2

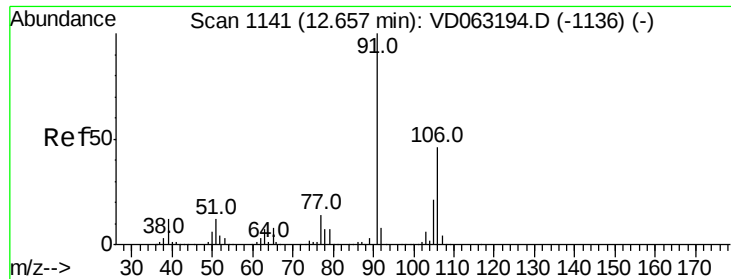
Tot Ion:117 Resp: 1010567
Ion Ratio Lower Upper
117 100
82 50.5 40.1 60.1
119 31.8 26.5 39.7



#67
Ethyl Benzene
Concen: 22.895 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063292.D
Acq: 1 Aug 2019 15:08

Tgt Ion: 91 Resp: 755992
Ion Ratio Lower Upper
91 100
106 29.0 22.9 34.3

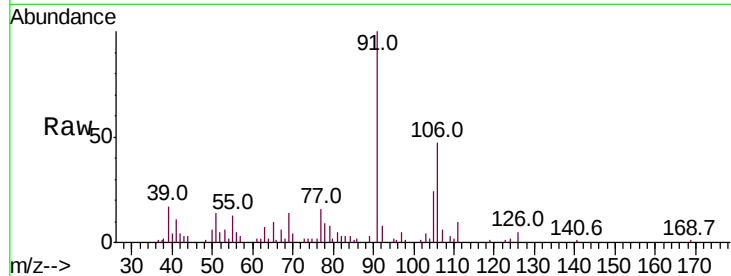




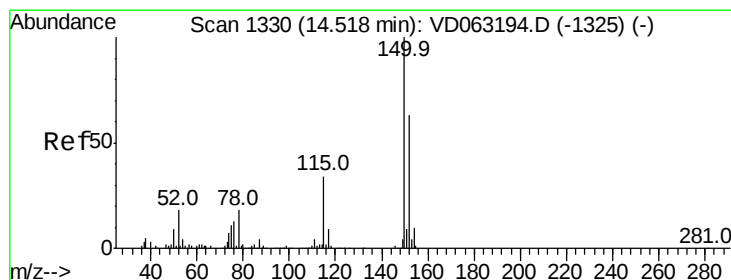
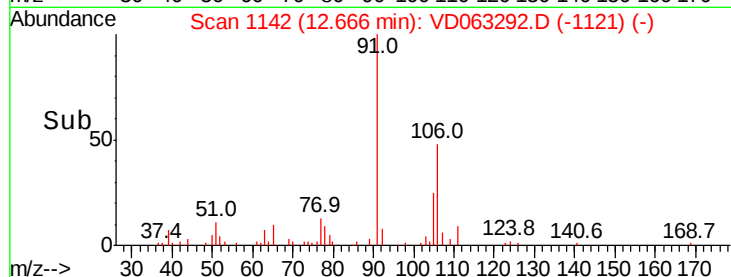
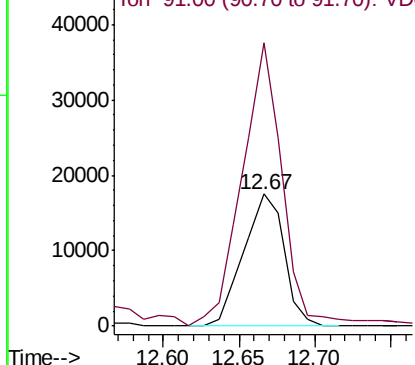
#68
m/p-Xvlenes
Concen: 2.700 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063292.D
Acq: 1 Aug 2019 15:08

Instrument :
MSVOA_D
ClientSampled :
T1-2

Tot Ion:106 Resp: 32691
Ion Ratio Lower Upper
106 100
91 214.8 172.6 259.0

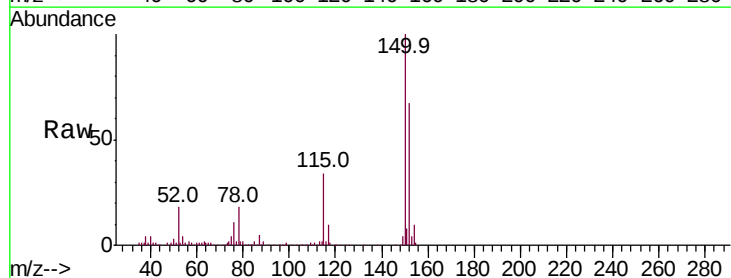


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

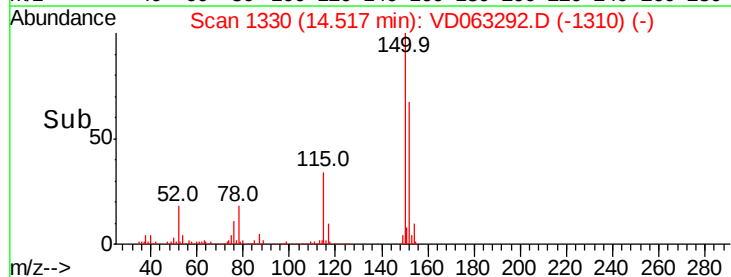
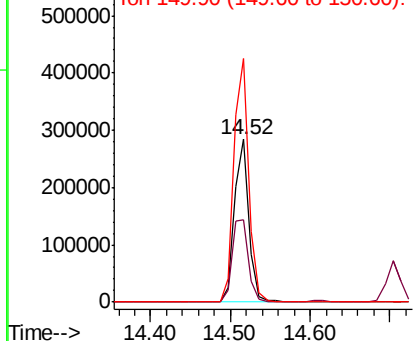


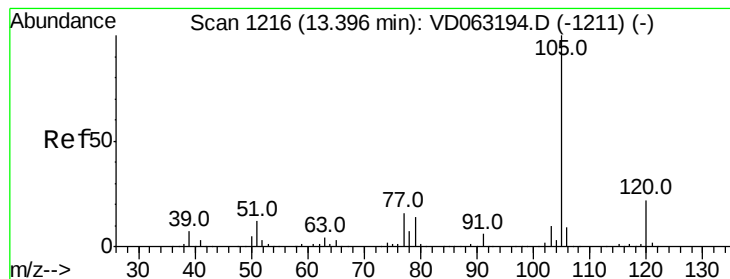
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063292.D
Acq: 1 Aug 2019 15:08

Tgt Ion:152 Resp: 361563
Ion Ratio Lower Upper
152 100
115 51.0 27.5 82.4
150 149.9 0.0 320.6



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





#73

Isopropylbenzene

Concen: 4.036 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063292.D

Acq: 1 Aug 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

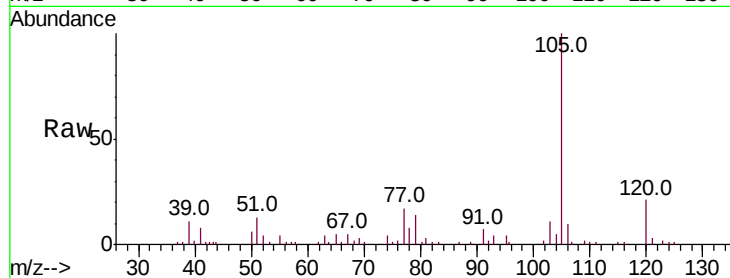
T1-2

Tot Ion:105 Resp: 91593

Ion Ratio Lower Upper

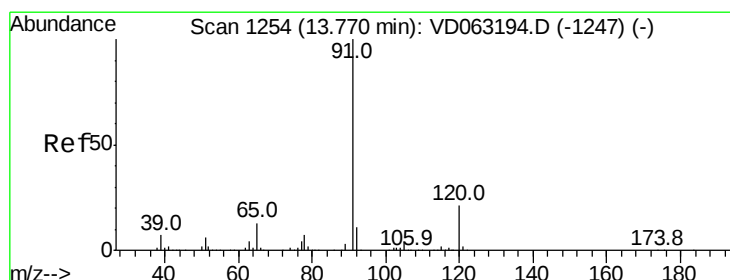
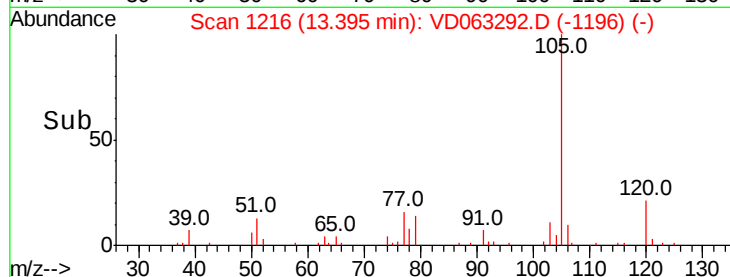
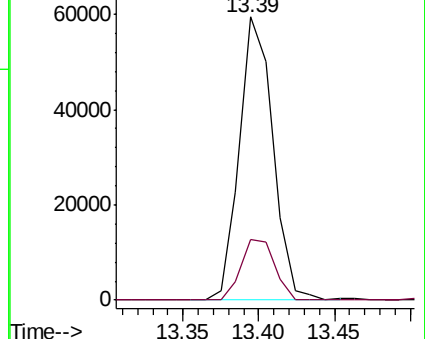
105 100

120 21.3 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#78

n-propylbenzene

Concen: 7.171 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063292.D

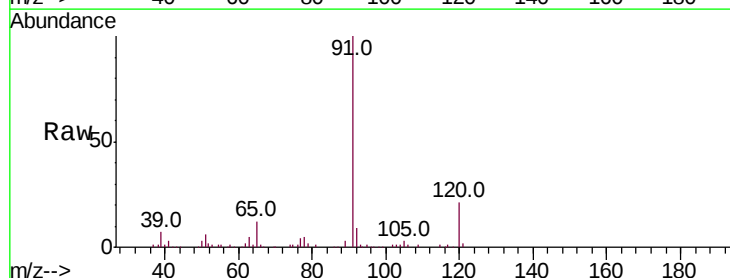
Acq: 1 Aug 2019 15:08

Tgt Ion: 91 Resp: 193648

Ion Ratio Lower Upper

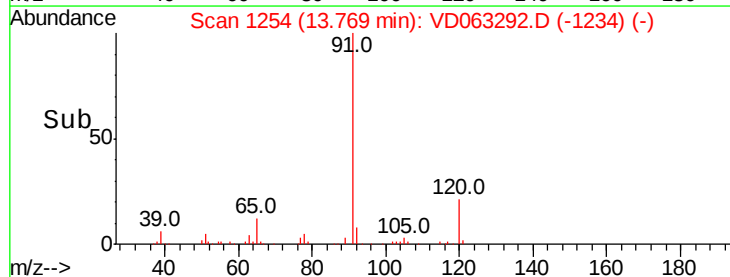
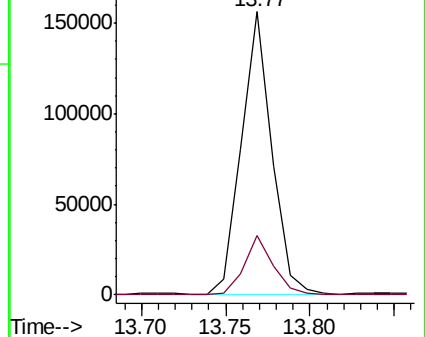
91 100

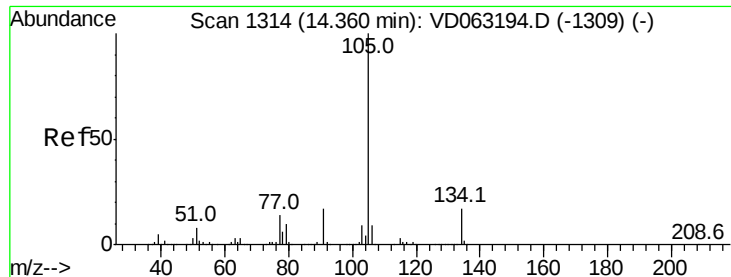
120 20.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 1.805 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063292.D

Acq: 1 Aug 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

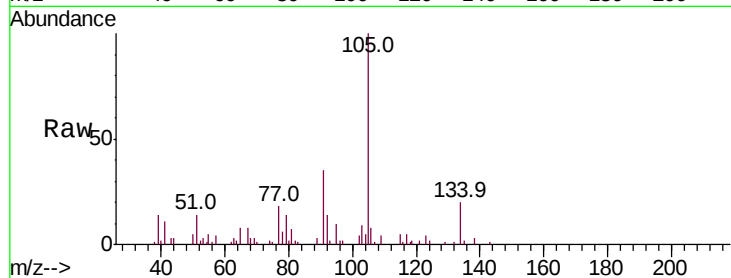
T1-2

Tot Ion:105 Resp: 42497

Ion Ratio Lower Upper

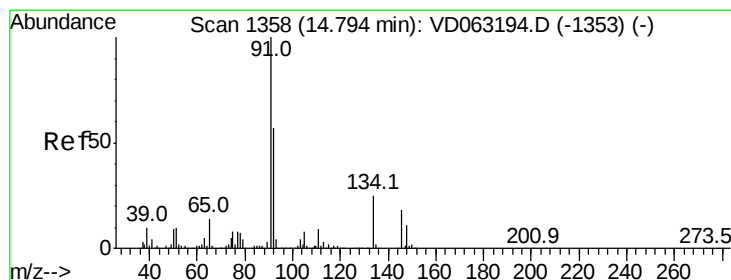
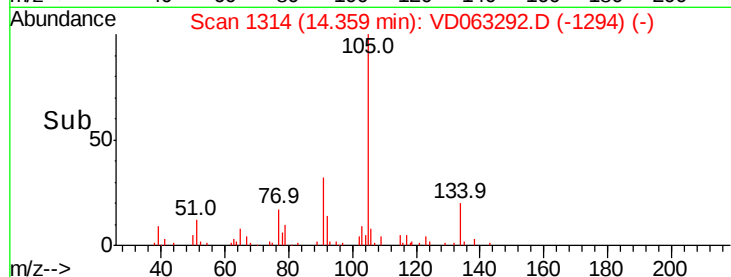
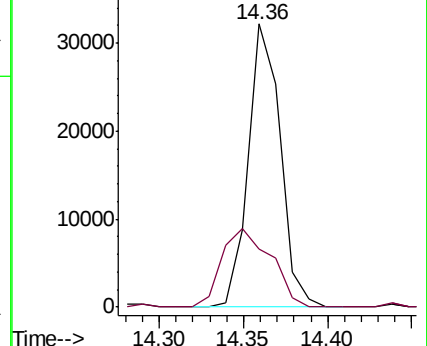
105 100

134 20.5 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#89

n-Butylbenzene

Concen: 4.534 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD063292.D

Acq: 1 Aug 2019 15:08

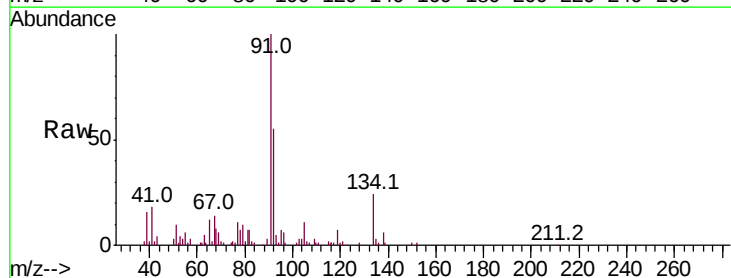
Tgt Ion: 91 Resp: 88008

Ion Ratio Lower Upper

91 100

92 55.1 28.3 85.0

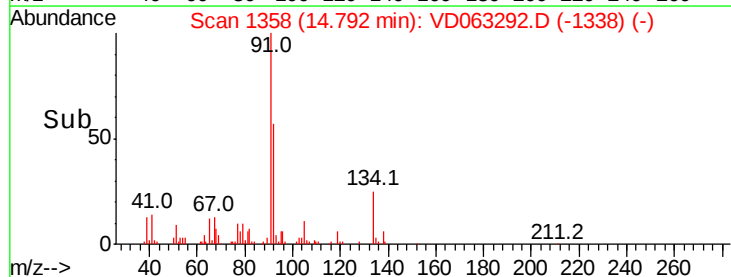
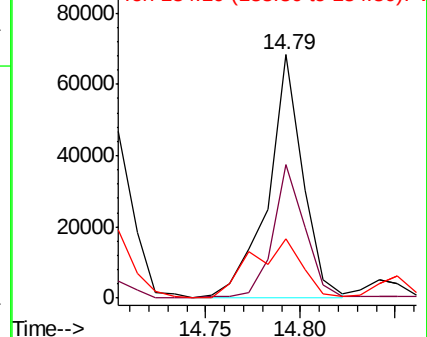
134 24.5 12.3 36.8

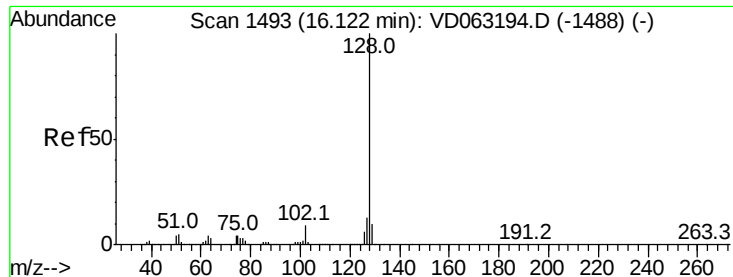


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#95
Naphthalene
Concen: 5.706 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063292.D
Acq: 1 Aug 2019 15:08

Instrument :
MSVOA_D
ClientSampleId :
T1-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	12.2	7.8	11.8

