

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063316.D
 Acq On : 2 Aug 2019 15:01
 Operator : VA/AP
 Sample : K4120-08RE
 Misc : 4.99g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T3-2RE

Quant Time: Aug 04 04:20:57 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	853719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1283433	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	833999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	211470	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	520308	54.93	ug/l	0.00
Spiked Amount			Recovery	=	109.86%	
35) Dibromofluoromethane	6.91	113	563733	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
50) Toluene-d8	10.39	98	1039493	42.39	ug/l	0.00
Spiked Amount			Recovery	=	84.78%	
62) 4-Bromofluorobenzene	13.54	95	278405	24.91	ug/l	0.00
Spiked Amount			Recovery	=	49.82%	

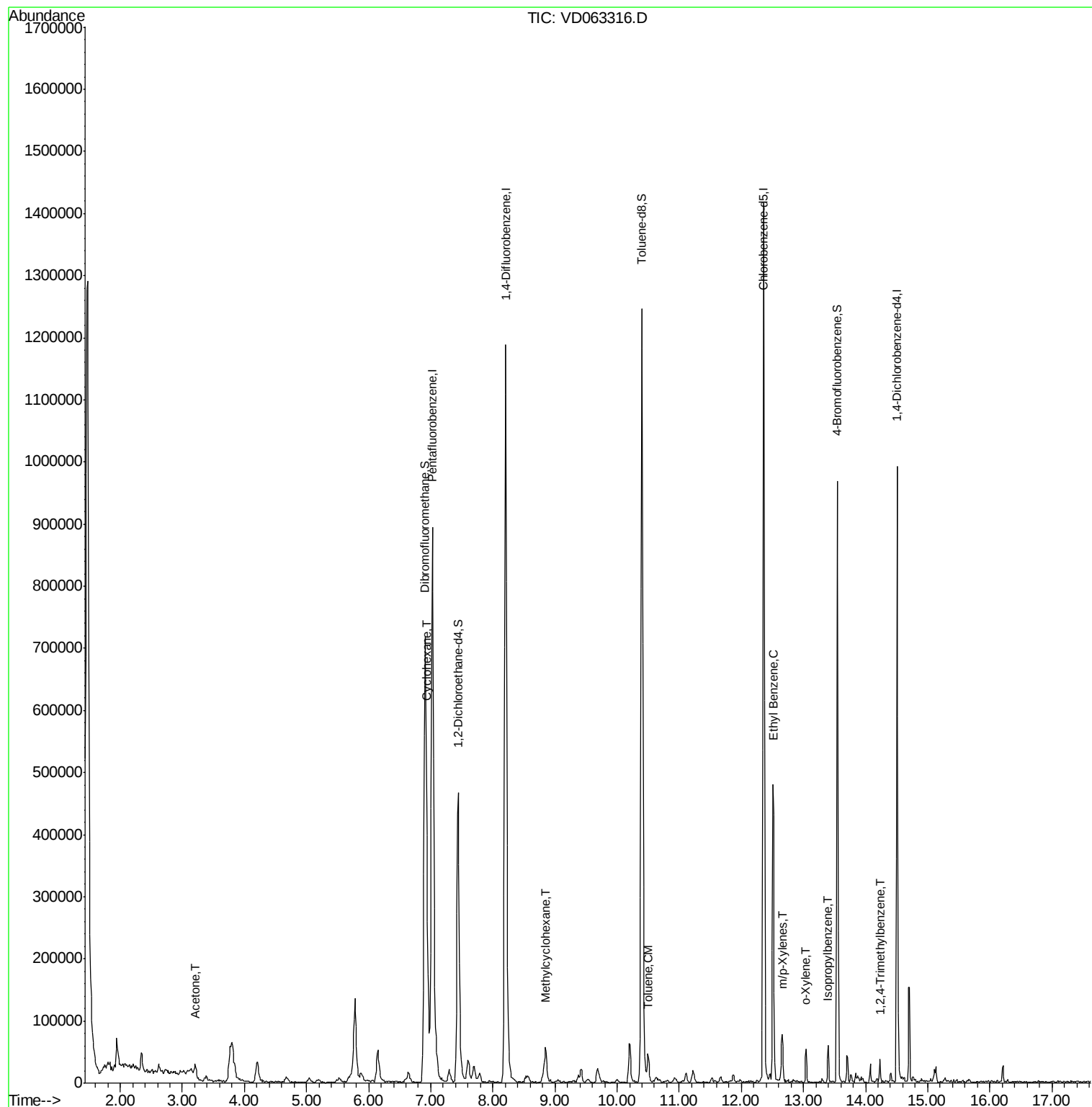
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	60208	32.621	ug/l	97
31) Cyclohexane	6.94	56	122289	14.493	ug/l	86
39) Methylcyclohexane	8.85	83	25568	2.620	ug/l #	81
52) Toluene	10.49	92	20260	1.241	ug/l	77
67) Ethyl Benzene	12.51	91	344018	12.624	ug/l	100
68) m/p-Xylenes	12.66	106	20762	2.077	ug/l #	65
69) o-Xylene	13.04	106	11002	1.199	ug/l	94
73) Isopropylbenzene	13.40	105	32180	2.425	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	16837	1.422	ug/l	95

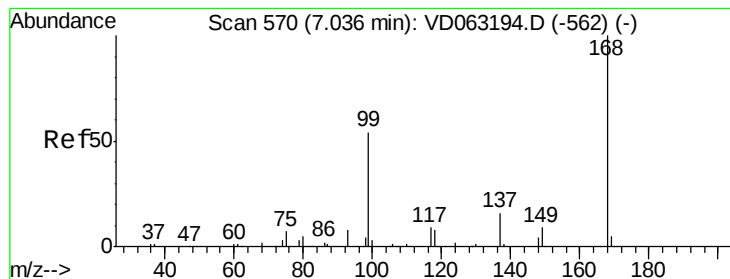
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 04 04:20:57 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. -0.01 min

Lab File: VD063316.D

Acq: 2 Aug 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

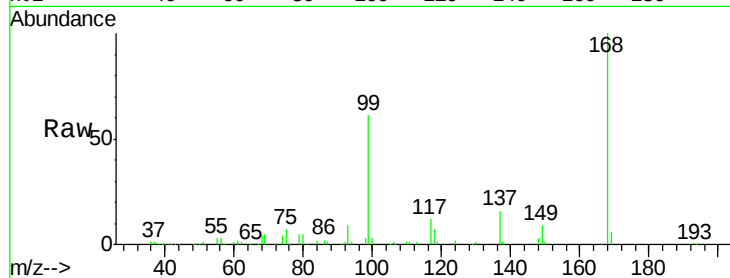
T3-2RE

Tot Ion:168 Resp: 853719

Ion Ratio Lower Upper

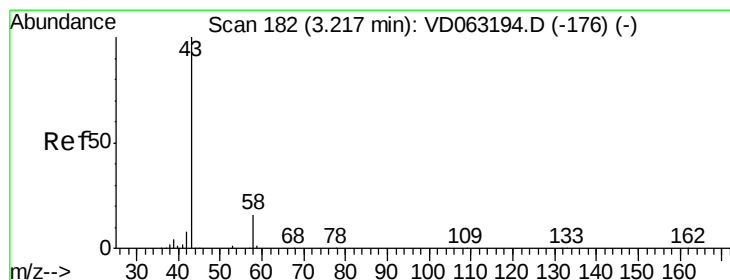
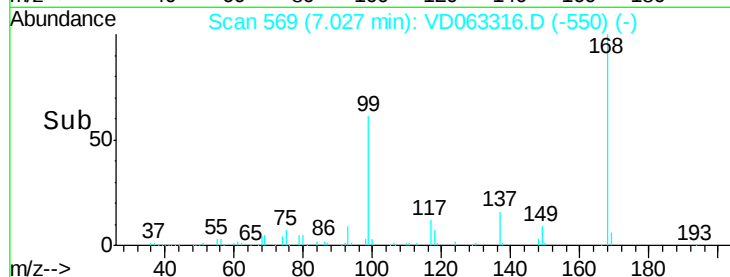
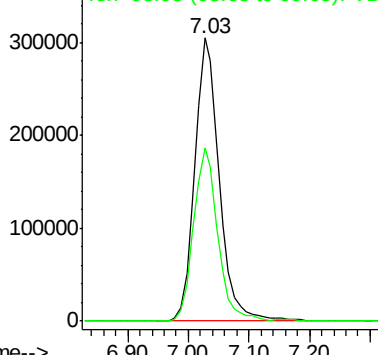
168 100

99 61.2 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: 32.621 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063316.D

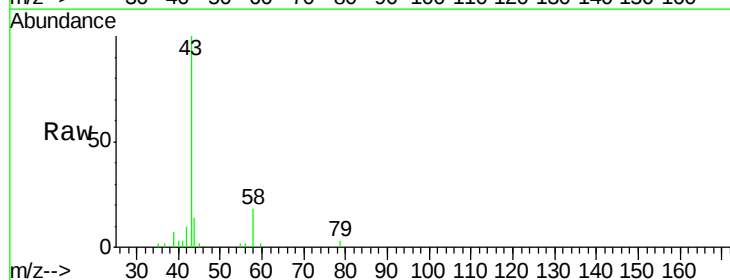
Acq: 2 Aug 2019 15:01

Tgt Ion: 43 Resp: 60208

Ion Ratio Lower Upper

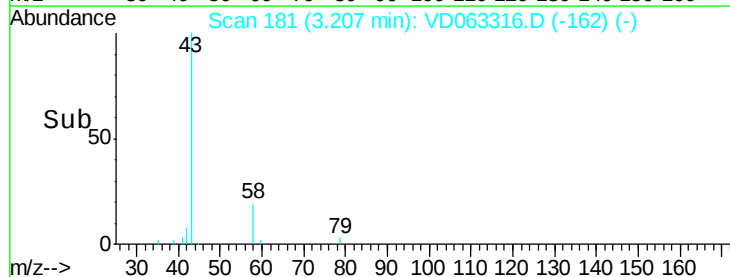
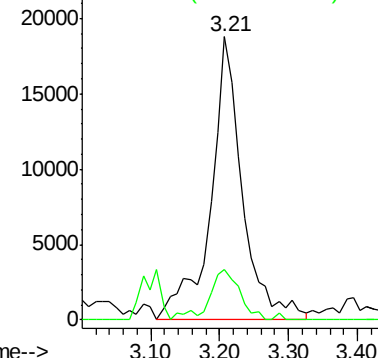
43 100

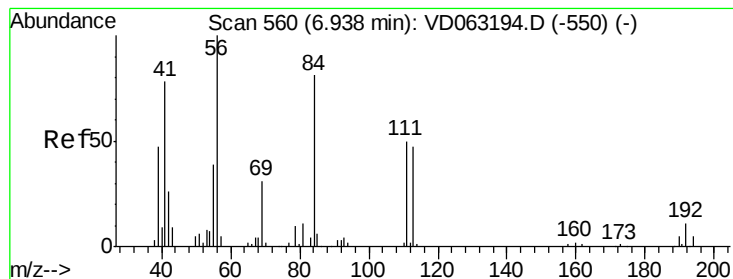
58 17.6 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#31

Cyclohexane

Concen: 14.493 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063316.D

Acq: 2 Aug 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

T3-2RE

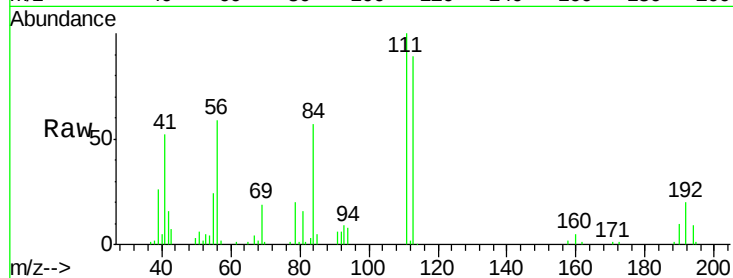
Tot Ion: 56 Resp: 122289

Ion Ratio Lower Upper

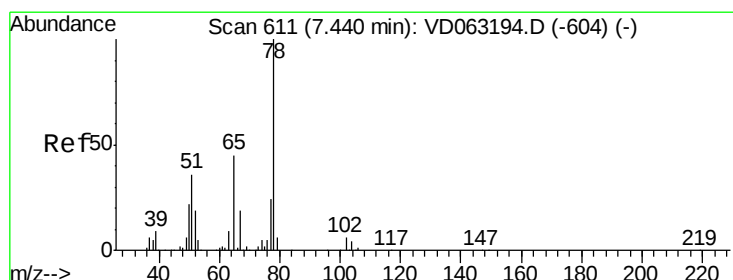
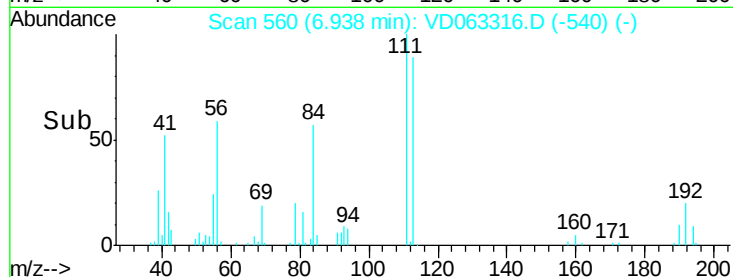
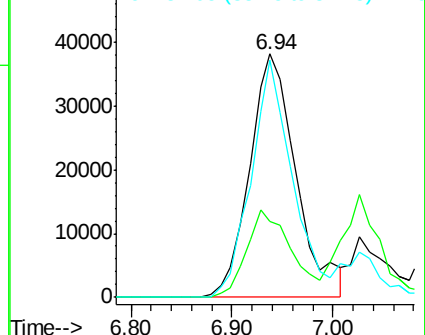
56 100

69 31.4 24.5 36.7

84 97.2 64.9 97.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: 54.926 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063316.D

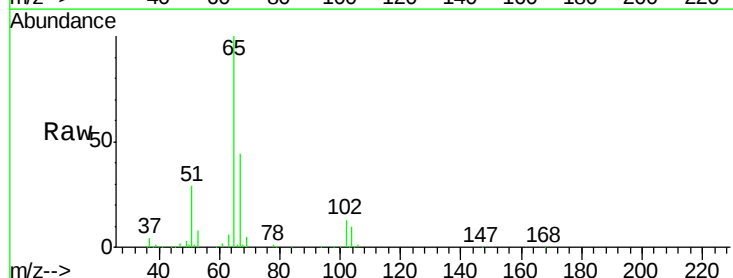
Acq: 2 Aug 2019 15:01

Tgt Ion: 65 Resp: 520308

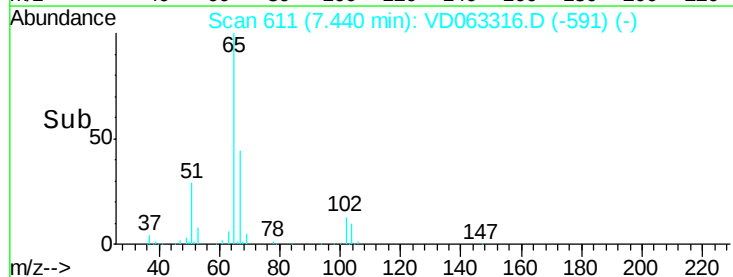
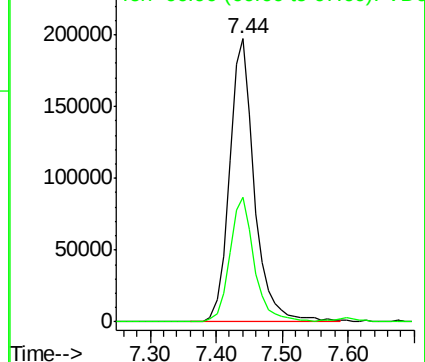
Ion Ratio Lower Upper

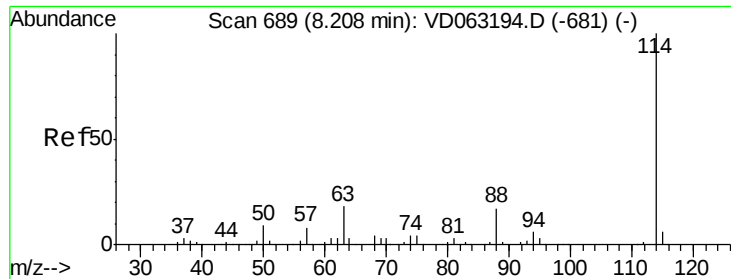
65 100

67 44.0 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

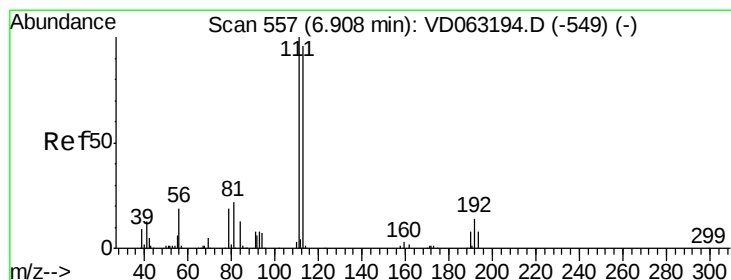
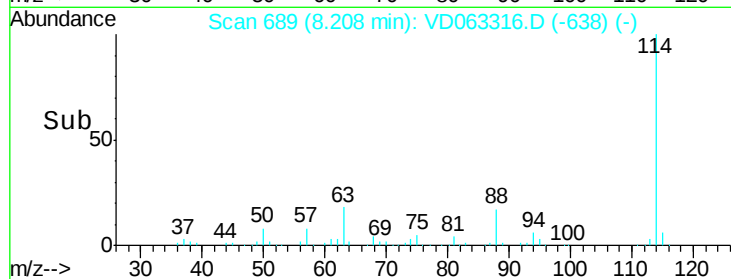
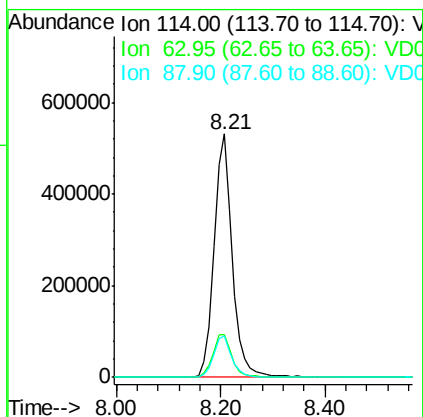
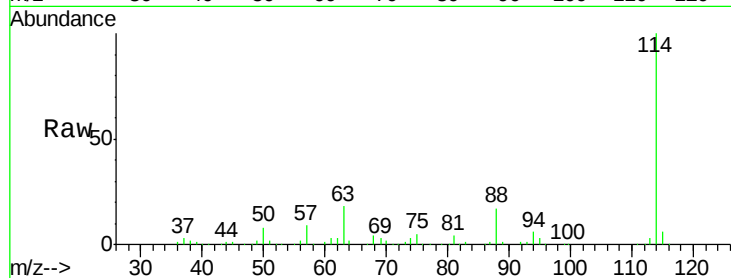




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063316.D
 Acq: 2 Aug 2019 15:01

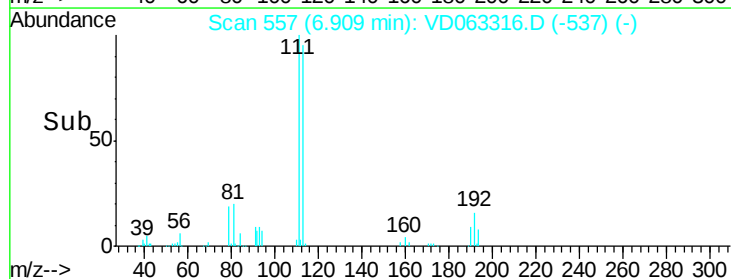
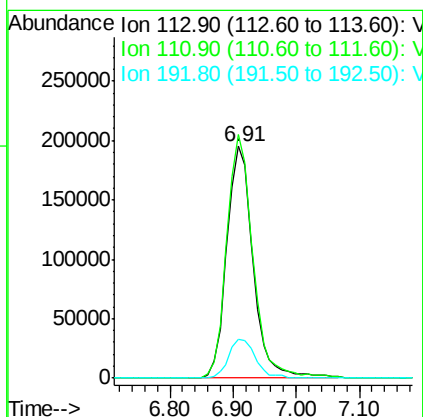
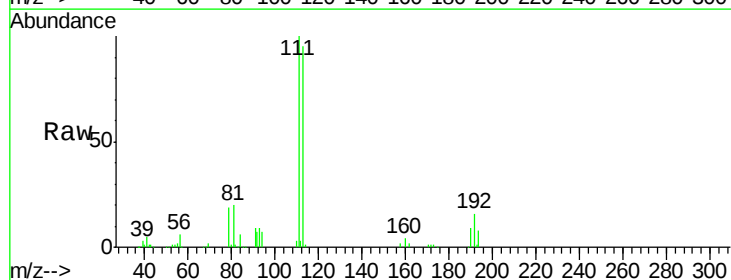
Instrument :
 MSVOA_D
 ClientSampleId :
 T3-2RE

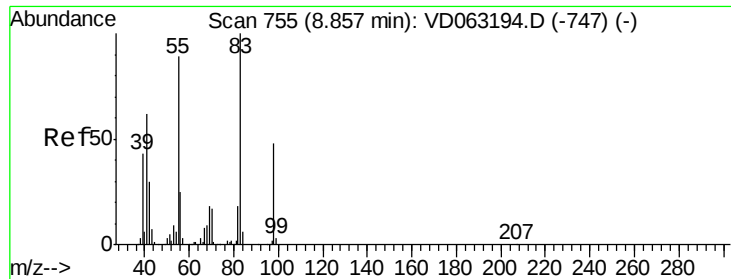
Tot Ion:114 Resp: 1283433
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 16.9 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 51.446 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD063316.D
 Acq: 2 Aug 2019 15:01

Tgt Ion:113 Resp: 563733
 Ion Ratio Lower Upper
 113 100
 111 104.9 83.2 124.8
 192 16.7 11.8 17.8

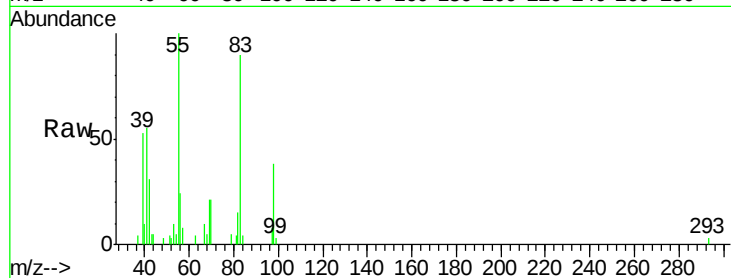




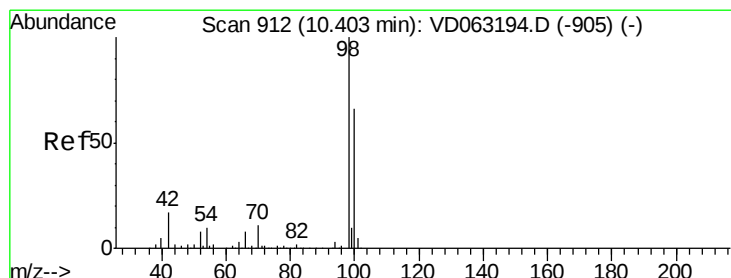
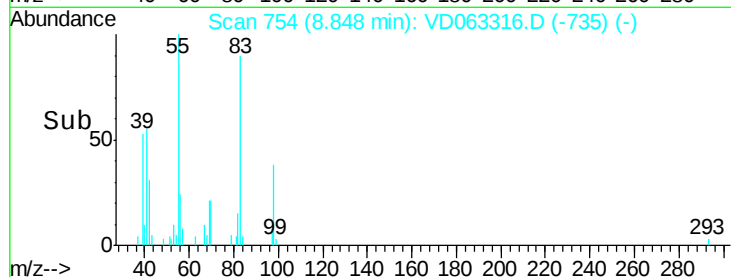
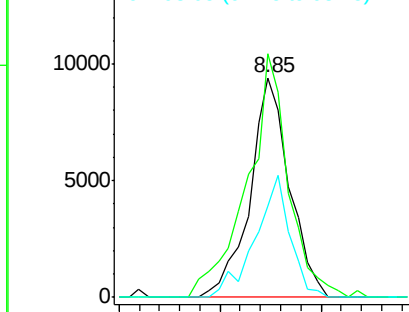
#39
Methylcyclohexane
Concen: 2.620 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063316.D
Acq: 2 Aug 2019 15:01

Instrument :
MSVOA_D
ClientSampled :
T3-2RE

Tot Ion: 83 Resp: 25568
Ion Ratio Lower Upper
83 100
55 110.9 71.1 106.7#
98 41.8 38.5 57.7

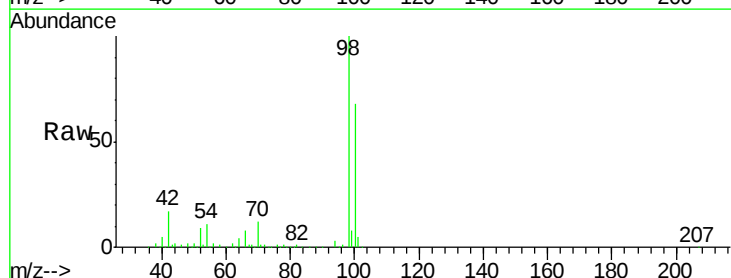


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

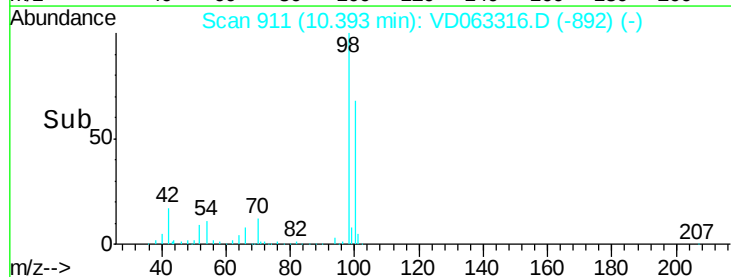
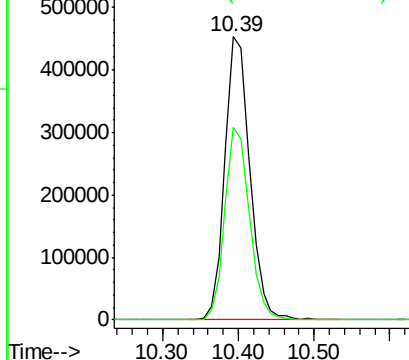


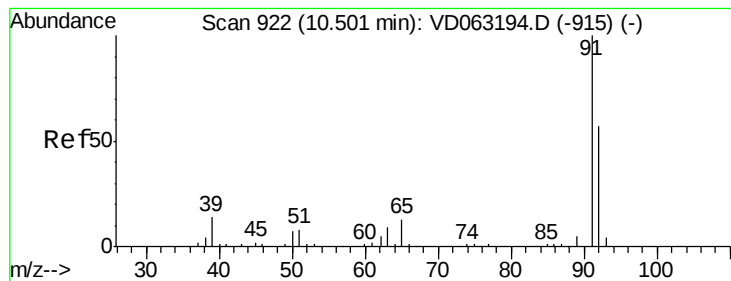
#50
Toluene-d8
Concen: 42.388 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063316.D
Acq: 2 Aug 2019 15:01

Tgt Ion: 98 Resp: 1039493
Ion Ratio Lower Upper
98 100
100 68.0 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: 1.241 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD063316.D

Acq: 2 Aug 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

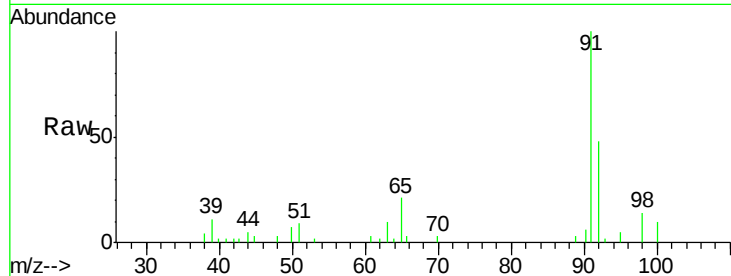
T3-2RE

Tot Ion: 92 Resp: 20260

Ion Ratio Lower Upper

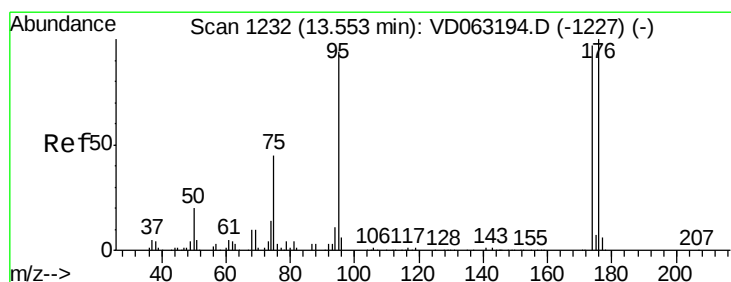
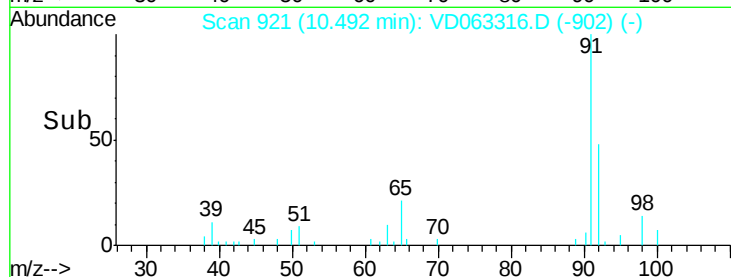
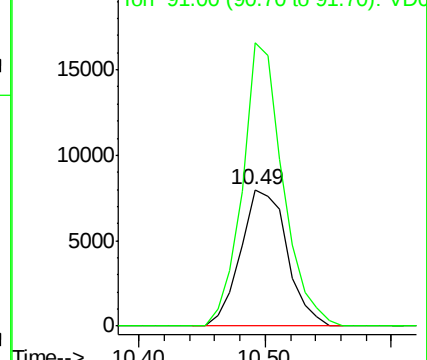
92 100

91 207.9 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 24.913 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063316.D

Acq: 2 Aug 2019 15:01

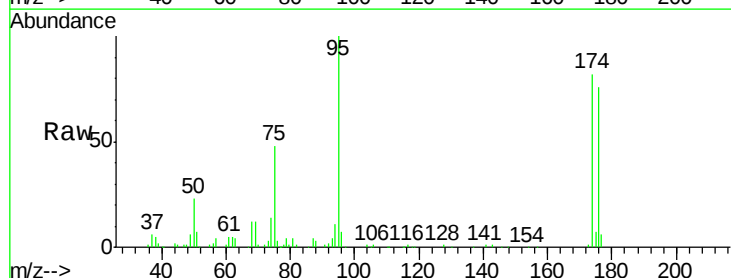
Tgt Ion: 95 Resp: 278405

Ion Ratio Lower Upper

95 100

174 82.0 0.0 205.4

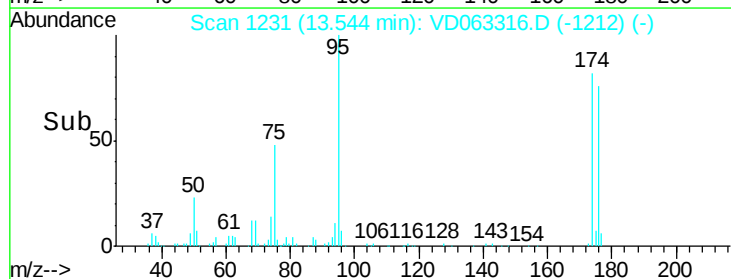
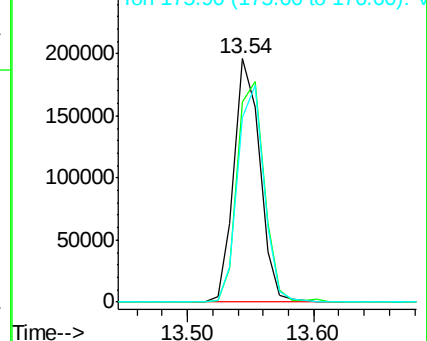
176 76.0 0.0 211.8

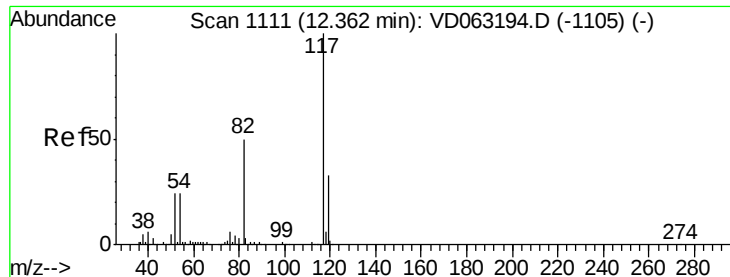


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

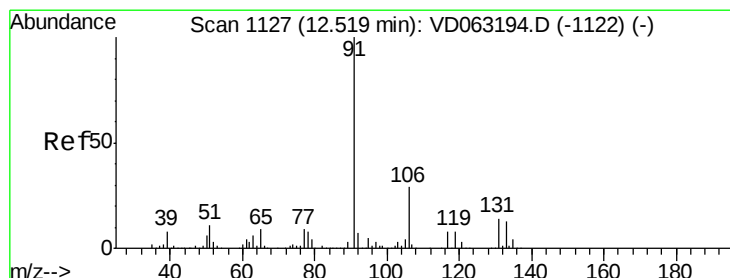
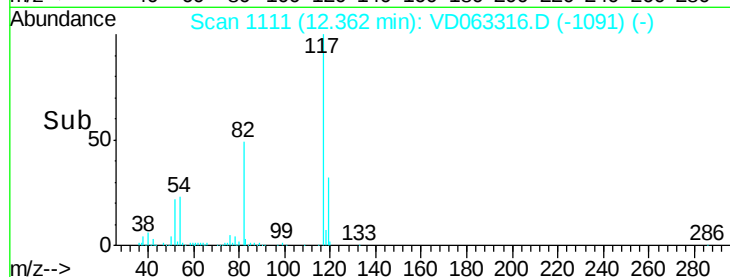
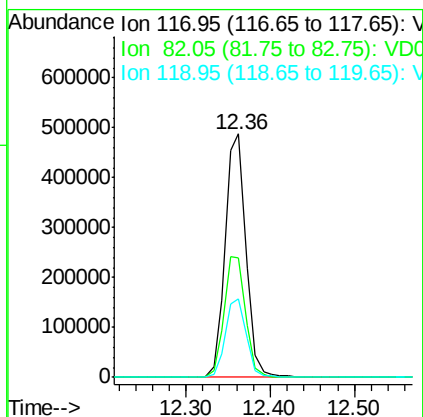
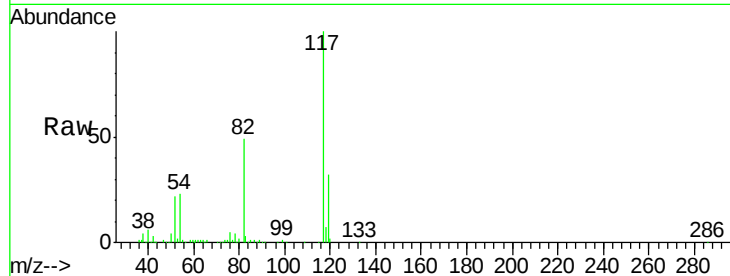




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063316.D
Acq: 2 Aug 2019 15:01

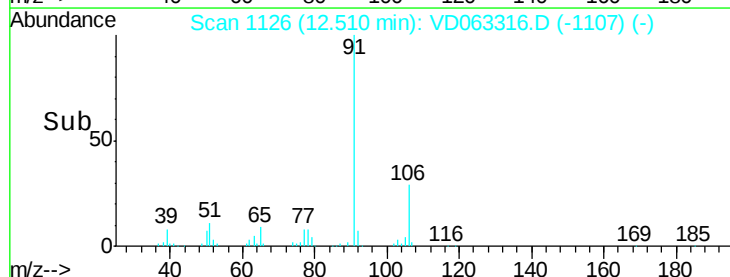
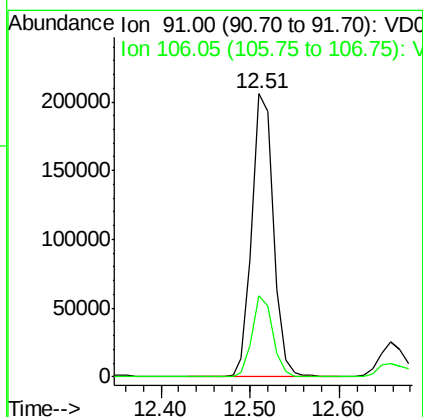
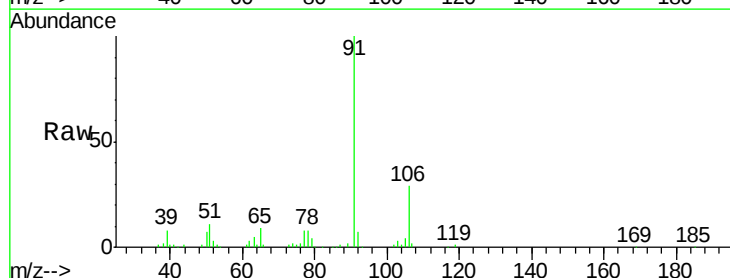
Instrument :
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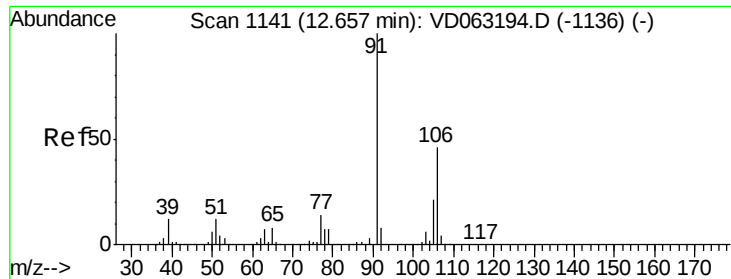
Tot Ion:117 Resp: 833999
Ion Ratio Lower Upper
117 100
82 48.9 40.1 60.1
119 32.5 26.5 39.7



#67
Ethyl Benzene
Concen: 12.624 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063316.D
Acq: 2 Aug 2019 15:01

Tgt Ion: 91 Resp: 344018
Ion Ratio Lower Upper
91 100
106 28.7 22.9 34.3





#68

m/p-Xylenes

Concen: 2.077 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VD063316.D

Acq: 2 Aug 2019 15:01

Instrument :

MSVOA_D

ClientSampleId :

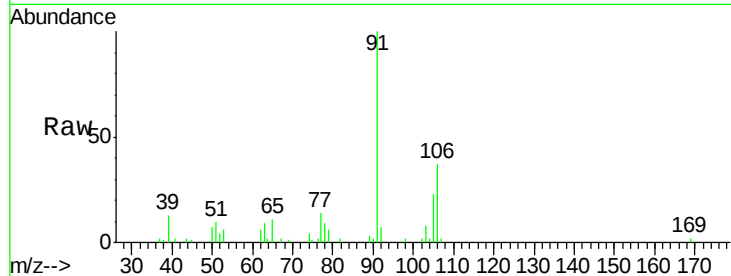
T3-2RE

Tot Ion:106 Resp: 20762

Ion Ratio Lower Upper

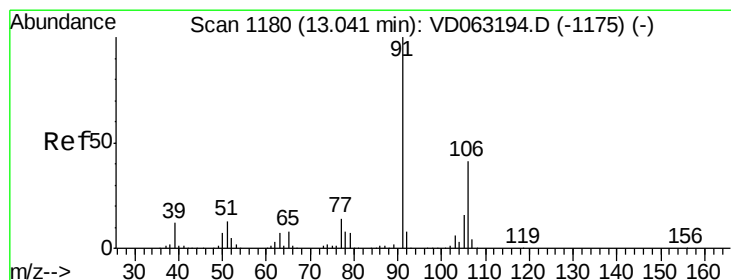
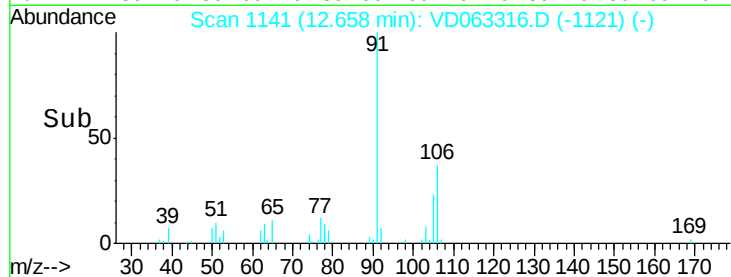
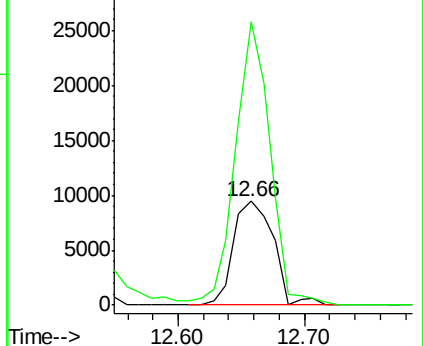
106 100

91 272.0 172.6 259.0#



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 1.199 ug/l

RT: 13.04 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD063316.D

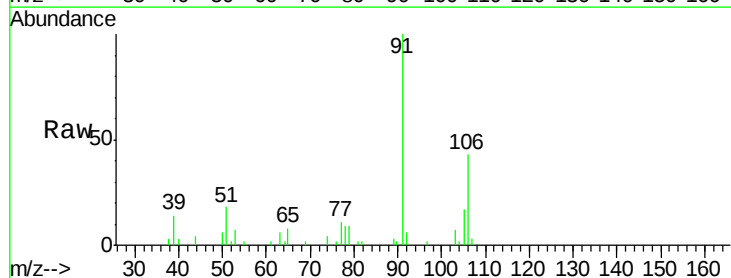
Acq: 2 Aug 2019 15:01

Tgt Ion:106 Resp: 11002

Ion Ratio Lower Upper

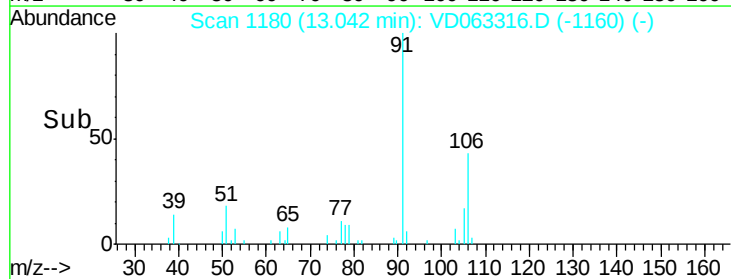
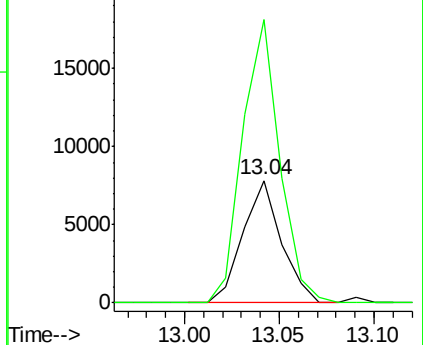
106 100

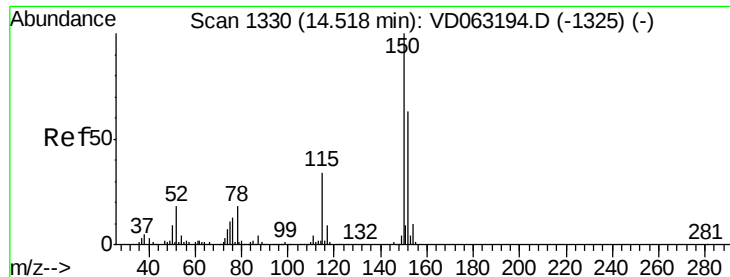
91 231.5 121.3 363.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



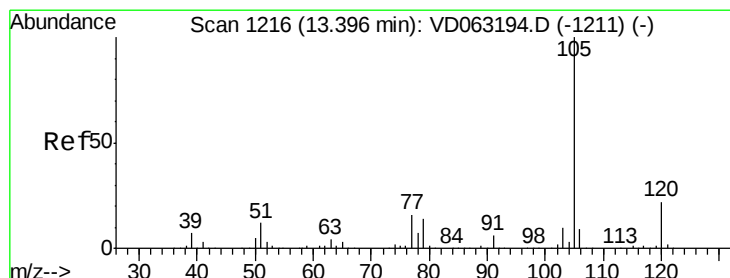
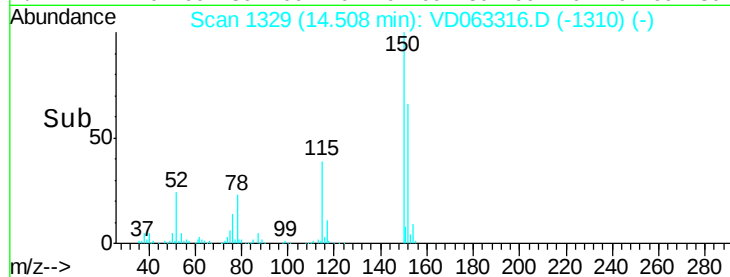
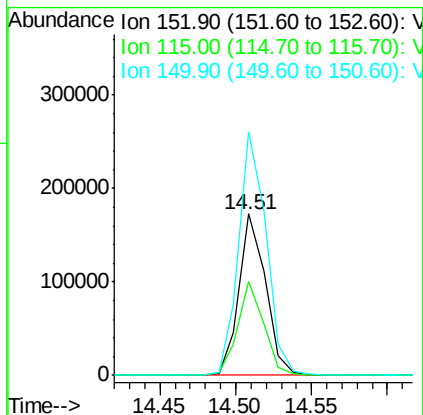
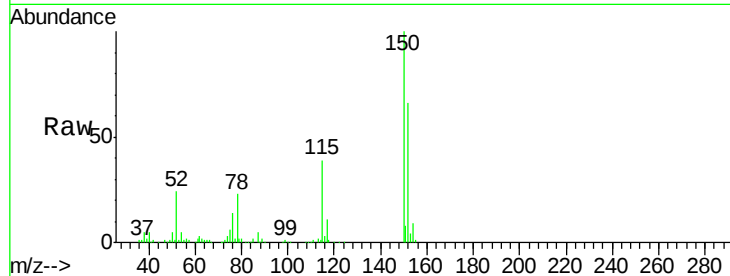


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063316.D
Acq: 2 Aug 2019 15:01

Instrument :
MSVOA_D
ClientSampleId :
T3-2RE

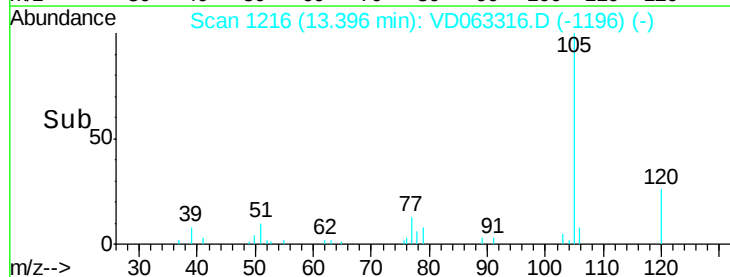
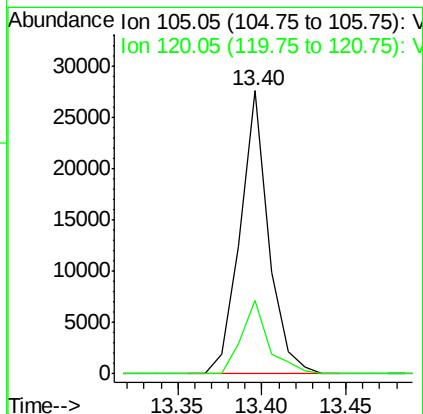
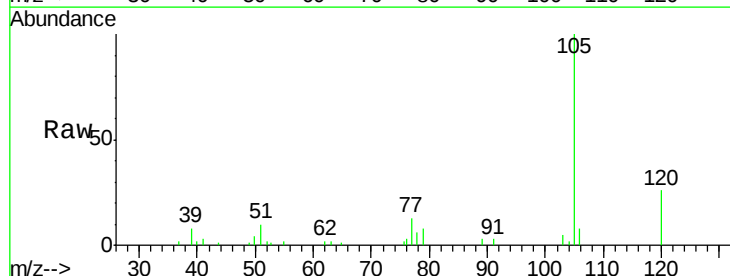
Tot Ion:152 Resp: 211470
Ion Ratio Lower Upper
152 100
115 58.3 27.5 82.4
150 150.9 0.0 320.6

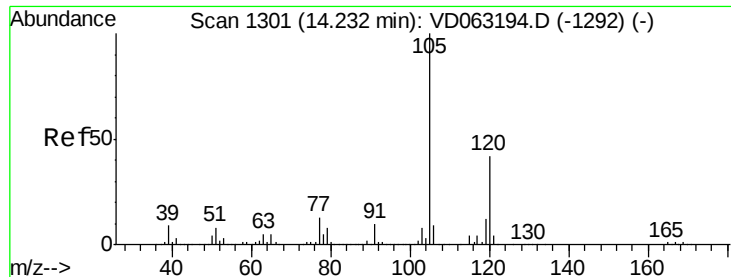


#73

Isopropylbenzene
Concen: 2.425 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VD063316.D
Acq: 2 Aug 2019 15:01

Tgt Ion:105 Resp: 32180
Ion Ratio Lower Upper
105 100
120 25.8 11.1 33.3





#84
 1,2,4-Trimethylbenzene
 Concen: 1.422 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063316.D
 Acq: 2 Aug 2019 15:01

Instrument :
 MSVOA_D
 ClientSampleId :
 T3-2RE

Tot Ion:105 Resp: 16837
 Ion Ratio Lower Upper
 105 100
 120 45.1 20.9 62.7

