

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063066.D
 Acq On : 10 Jul 2019 18:59
 Operator : VA/AP
 Sample : K3726-03
 Misc : 5.48g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PX-3 070919

Quant Time: Jul 11 07:49:02 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	7.05	168	46503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	93890	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	50769	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	39281	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	69066	136.63	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	273.26%	
35) Dibromofluoromethane	6.92	113	52993	66.94	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	133.88%	
50) Toluene-d8	10.40	98	54340	31.54	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	63.08%	
62) 4-Bromofluorobenzene	13.53	95	67941	86.72	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	173.44%	

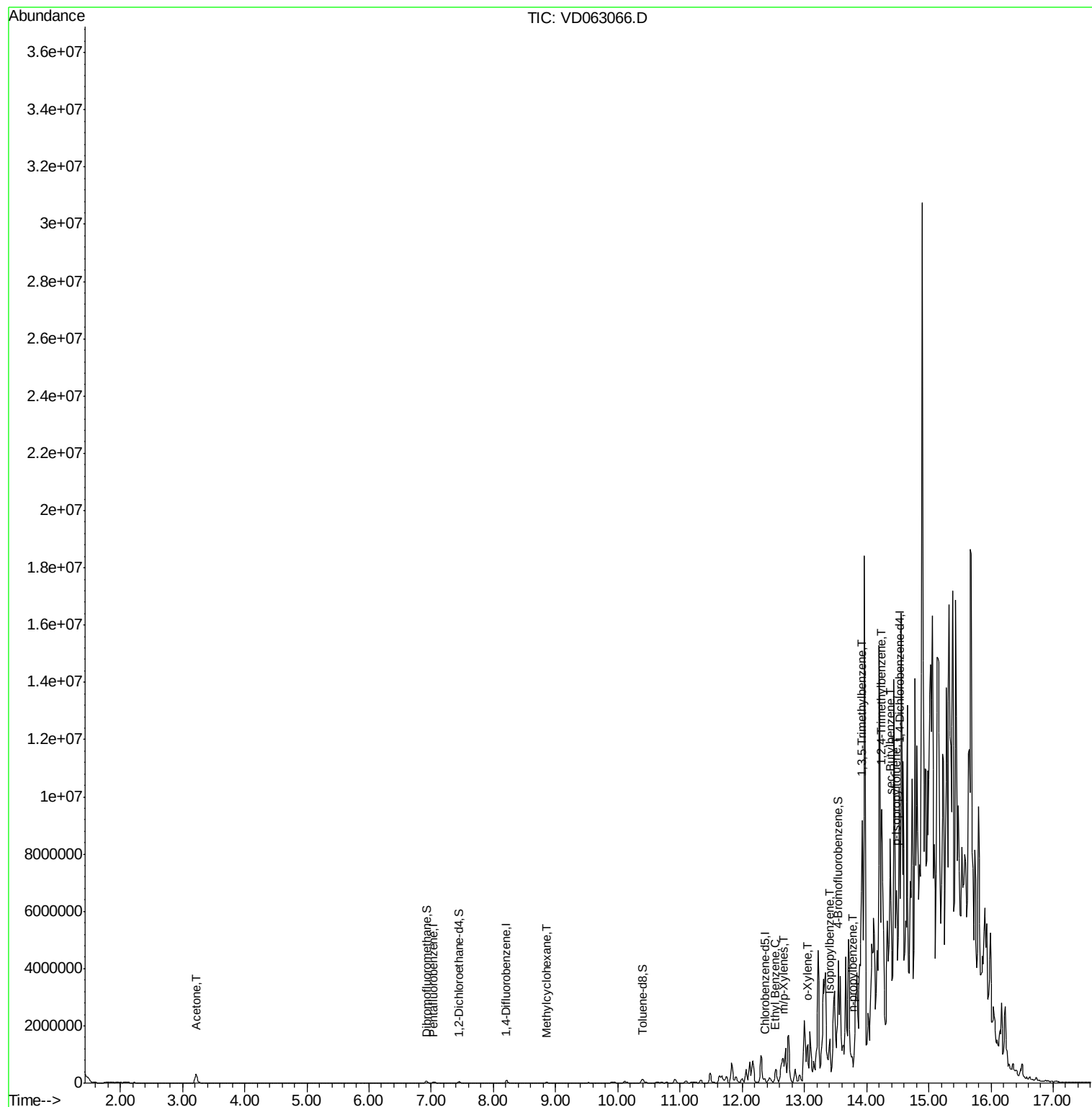
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	605650	6071.270	ug/l	95
39) Methylcyclohexane	8.87	83	11384	14.551	ug/l	86
67) Ethyl Benzene	12.52	91	31571	18.663	ug/l	99
68) m/p-Xylenes	12.66	106	120587	204.667	ug/l	88
69) o-Xylene	13.05	106	203310	377.476	ug/l	96
73) Isopropylbenzene	13.41	105	65625	26.056	ug/l	94
78) n-propylbenzene	13.77	91	86228	29.415	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	2520150	1191.250	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	2911201	1342.591	ug/l	97
85) sec-Butylbenzene	14.37	105	233416	91.074	ug/l	100
86) p-Isopropyltoluene	14.49	119	767122	327.176	ug/l	99

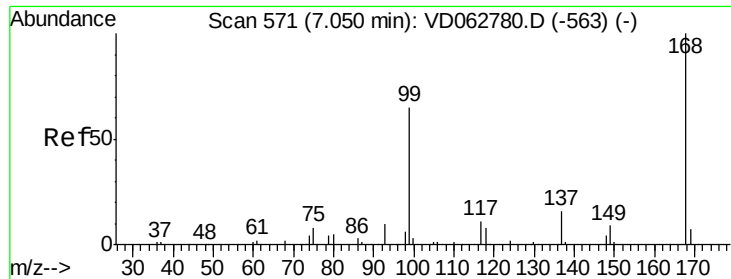
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD063066.D

Acq: 10 Jul 2019 18:59

Instrument :

MSVOA_D

ClientSampleId :

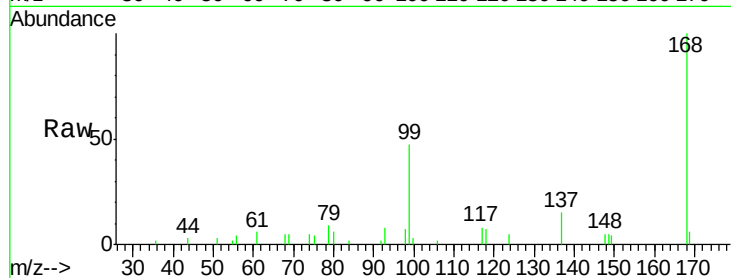
PX-3 070919

Tot Ion:168 Resp: 46503

Ion Ratio Lower Upper

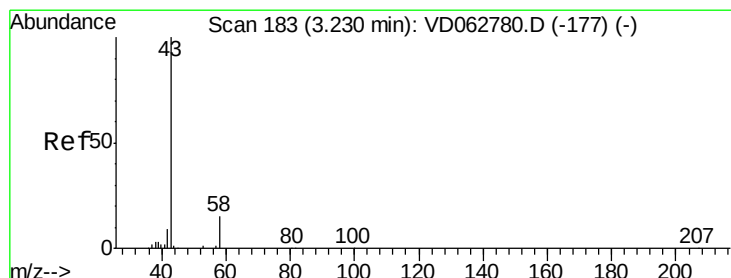
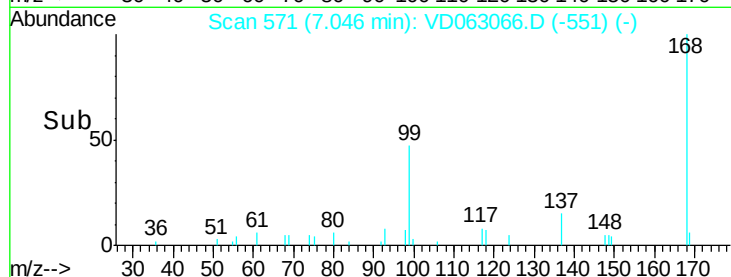
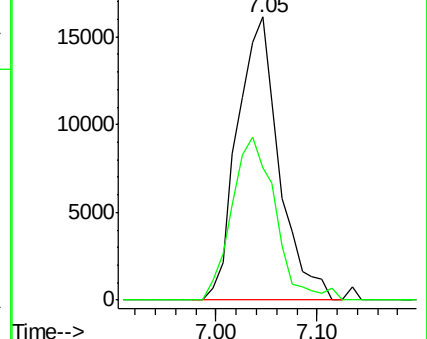
168 100

99 46.7 53.0 79.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 6071.270 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063066.D

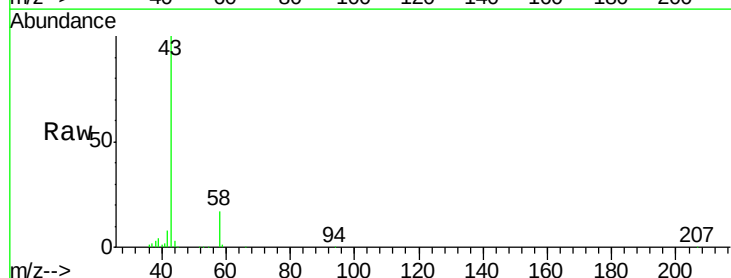
Acq: 10 Jul 2019 18:59

Tgt Ion: 43 Resp: 605650

Ion Ratio Lower Upper

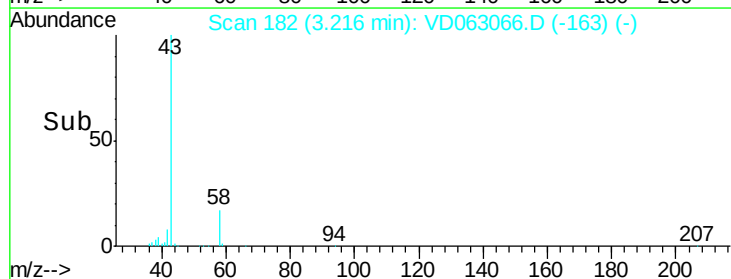
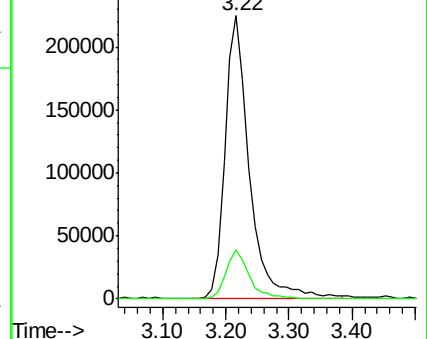
43 100

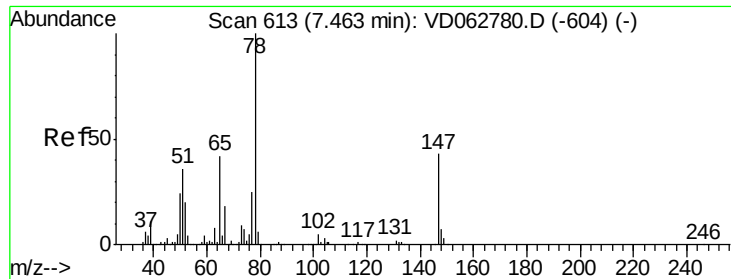
58 17.2 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

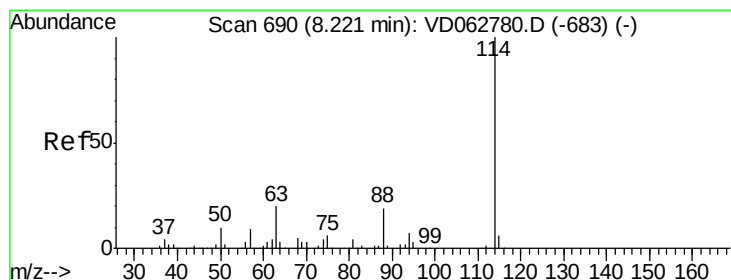
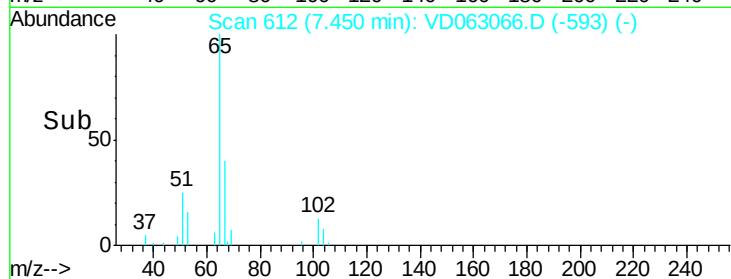
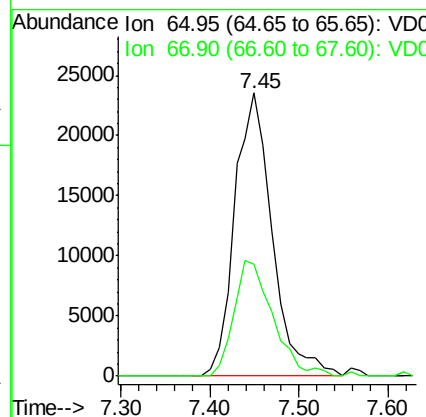
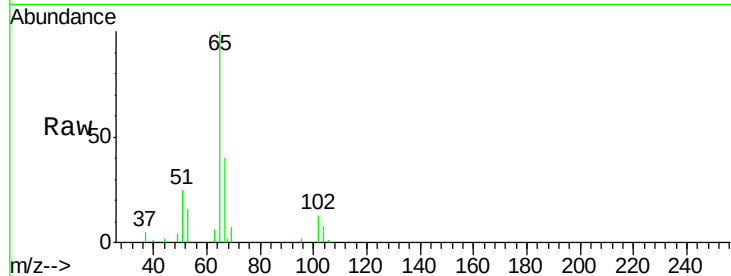




#33
 1,2-Dichloroethane-d4
 Concen: 136.634 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD063066.D
 Acq: 10 Jul 2019 18:59

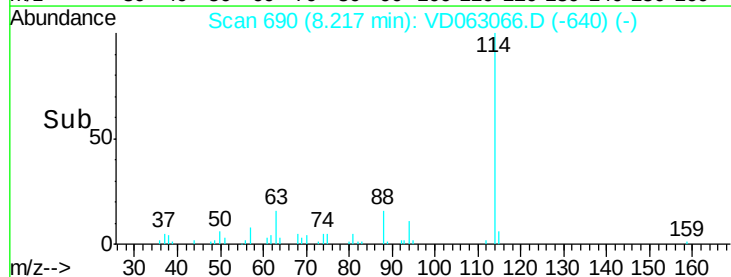
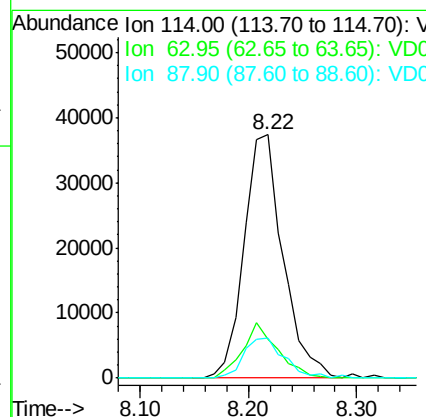
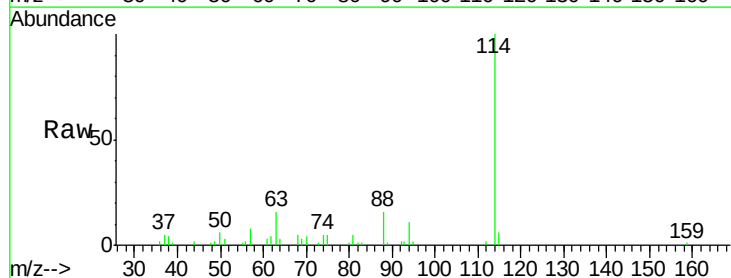
Instrument :
 MSVOA_D
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 PX-3_070919

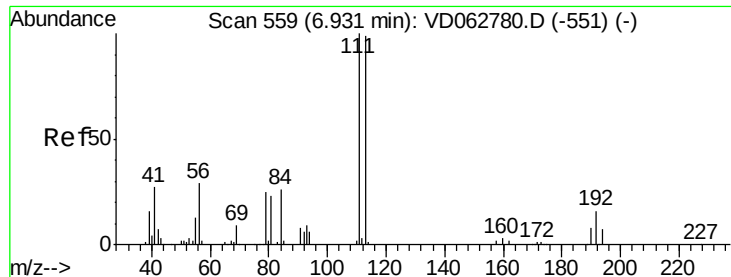
Tot Ion: 65 Resp: 69066
 Ion Ratio Lower Upper
 65 100
 67 39.7 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD063066.D
 Acq: 10 Jul 2019 18:59

Tgt Ion: 114 Resp: 93890
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 40.0
 88 16.4 0.0 38.8





#35

Dibromofluoromethane

Concen: 66.938 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063066.D

Acq: 10 Jul 2019 18:59

Instrument :

MSVOA_D

ClientSampleId :

PX-3 070919

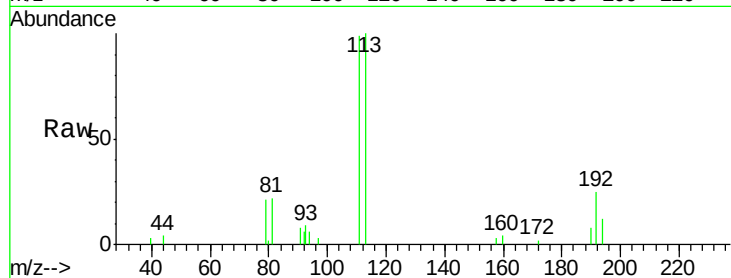
Tot Ion:113 Resp: 52993

Ion Ratio Lower Upper

113 100

111 99.2 81.2 121.8

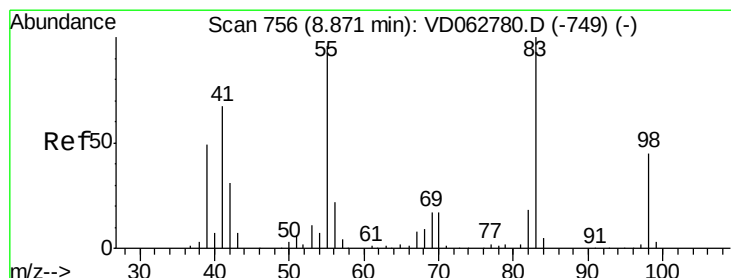
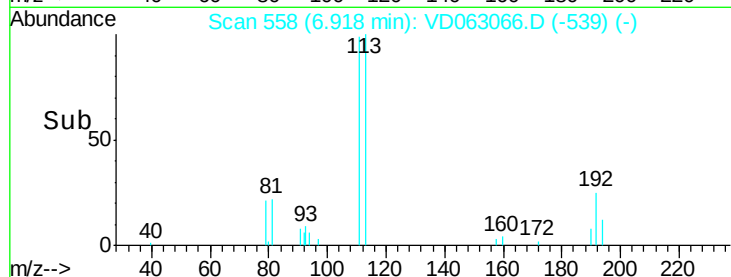
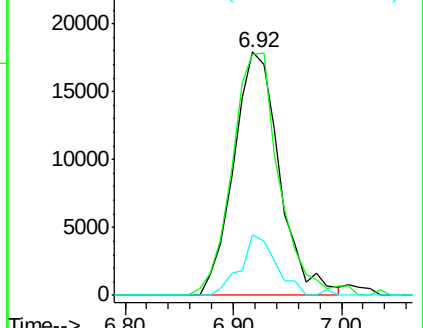
192 25.1 12.9 19.3#



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



#39

Methylcyclohexane

Concen: 14.551 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD063066.D

Acq: 10 Jul 2019 18:59

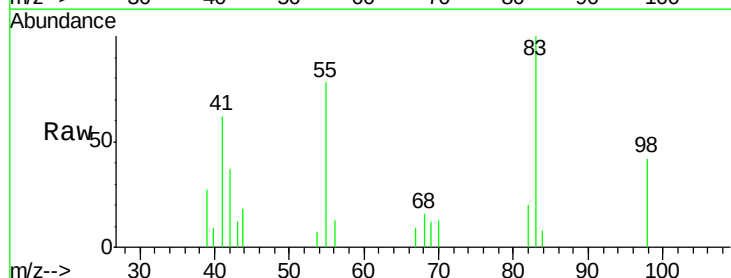
Tgt Ion: 83 Resp: 11384

Ion Ratio Lower Upper

83 100

55 77.5 76.6 115.0

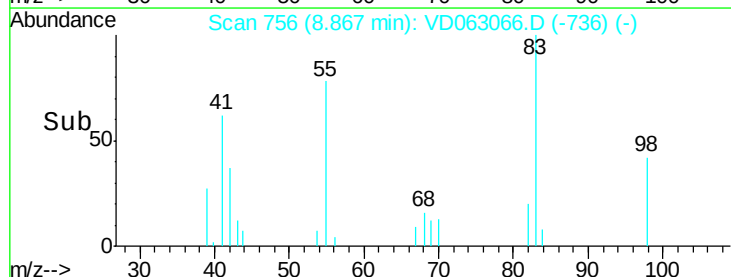
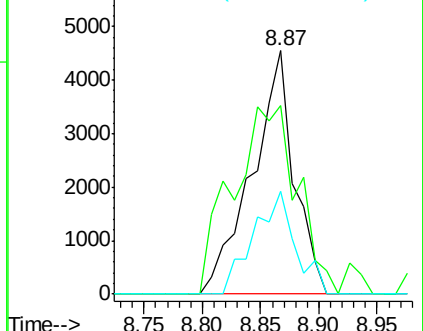
98 42.1 35.7 53.5

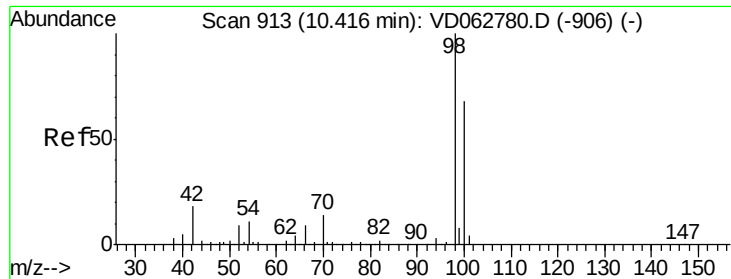


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC

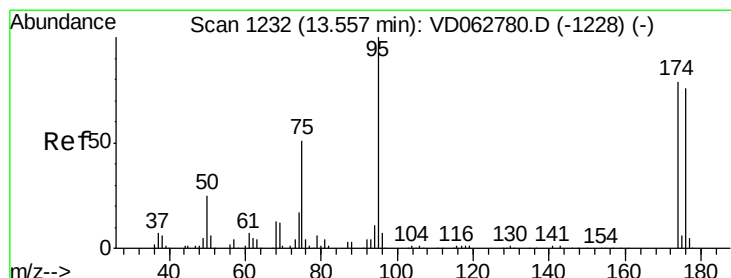
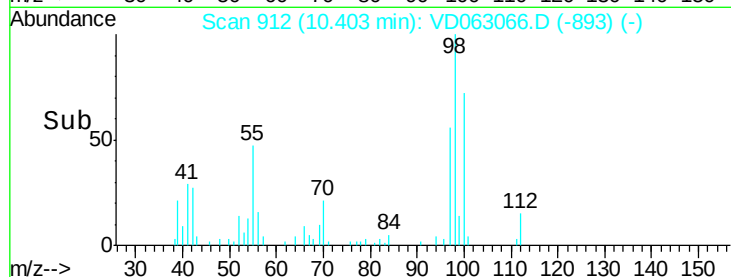
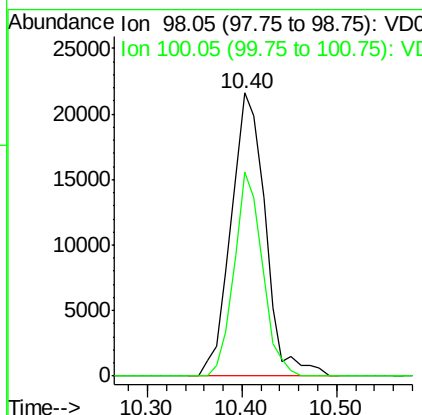
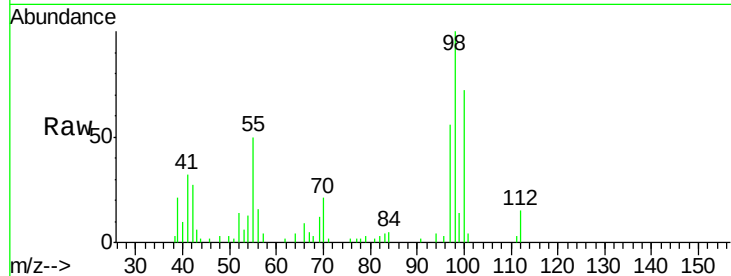




#50
Toluene-d8
Concen: 31.537 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063066.D
Acq: 10 Jul 2019 18:59

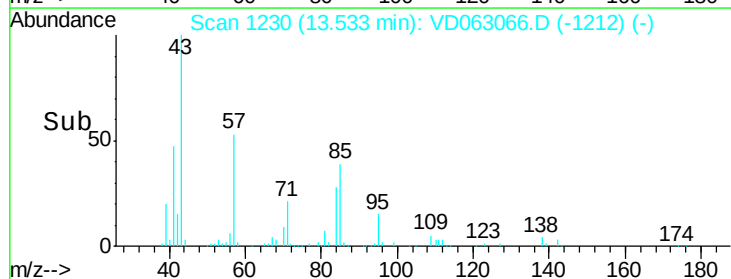
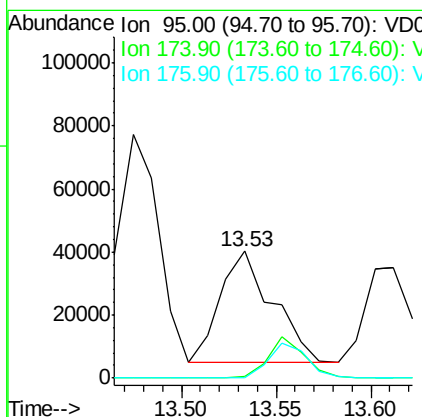
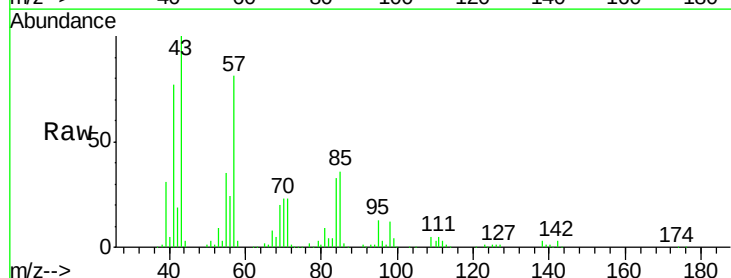
Instrument :
MSVOA_D
ClientSampleId :
PX-3_070919

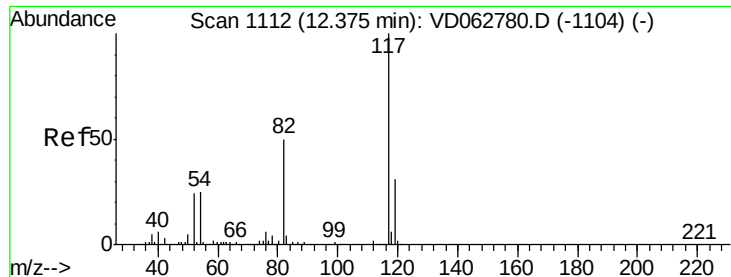
Tot Ion: 98 Resp: 54340
Ion Ratio Lower Upper
98 100
100 72.2 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 86.716 ug/l
RT: 13.53 min Scan# 1230
Delta R.T. -0.02 min
Lab File: VD063066.D
Acq: 10 Jul 2019 18:59

Tgt Ion: 95 Resp: 67941
Ion Ratio Lower Upper
95 100
174 1.2 0.0 158.0
176 0.8 0.0 151.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063066.D

Acq: 10 Jul 2019 18:59

Instrument :

MSVOA_D

ClientSampleId :

PX-3 070919

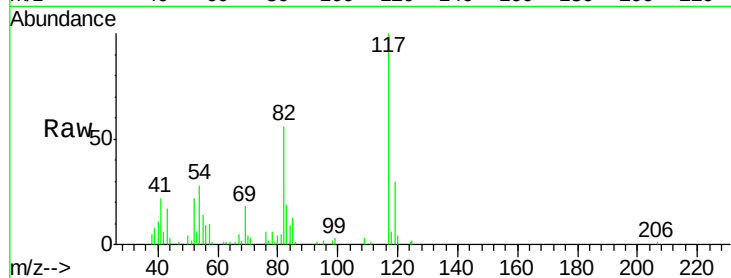
Tot Ion:117 Resp: 50769

Ion Ratio Lower Upper

117 100

82 55.8 40.4 60.6

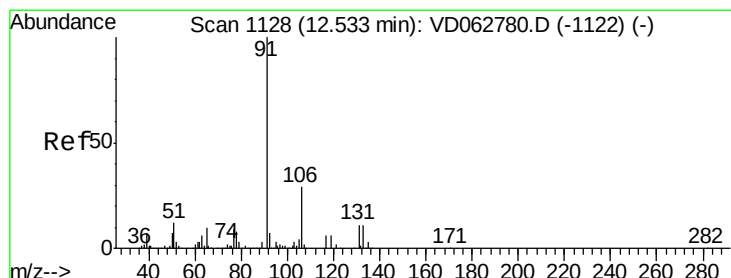
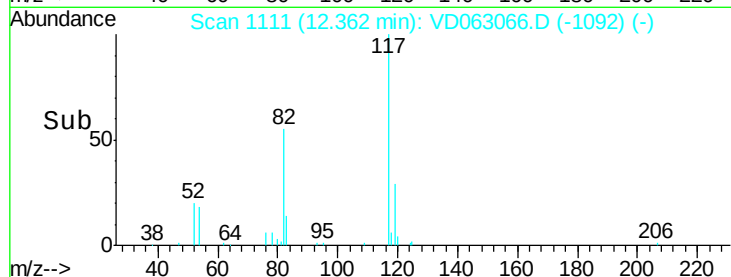
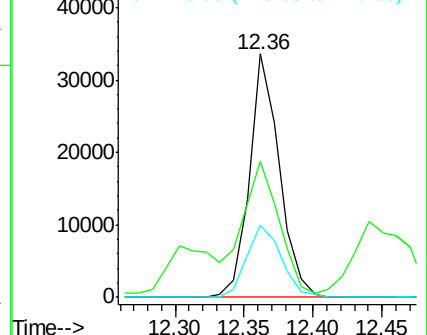
119 29.8 25.2 37.8



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



#67

Ethyl Benzene

Concen: 18.663 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD063066.D

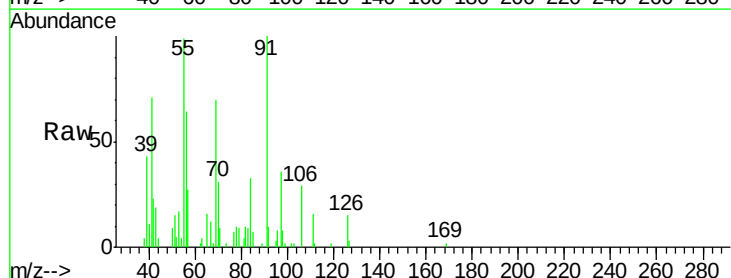
Acq: 10 Jul 2019 18:59

Tgt Ion: 91 Resp: 31571

Ion Ratio Lower Upper

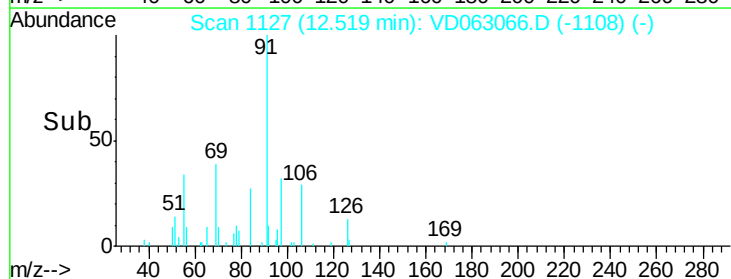
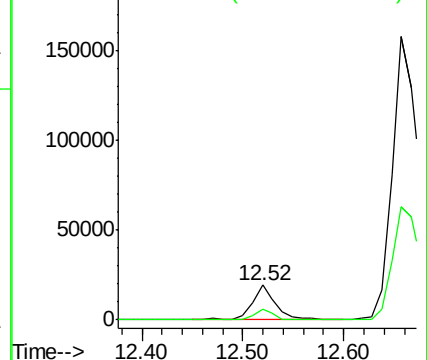
91 100

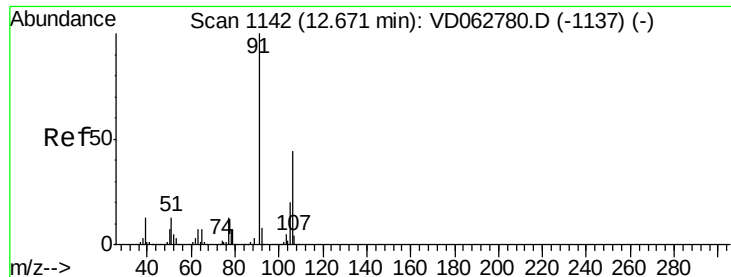
106 29.3 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

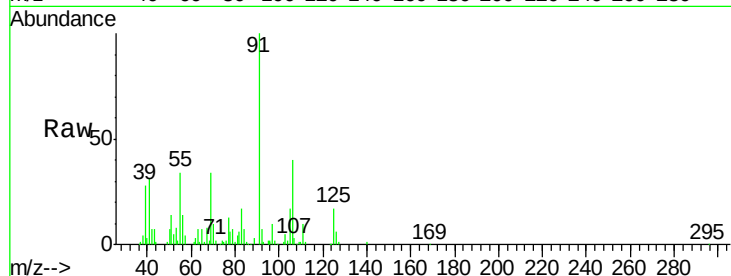




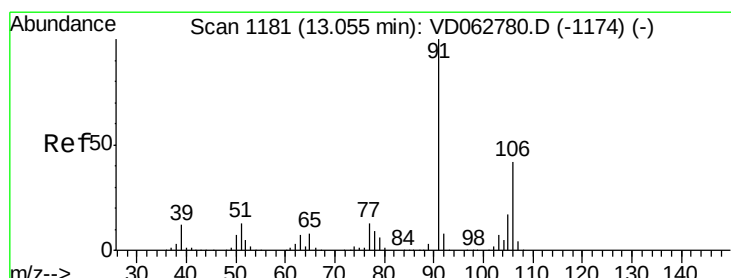
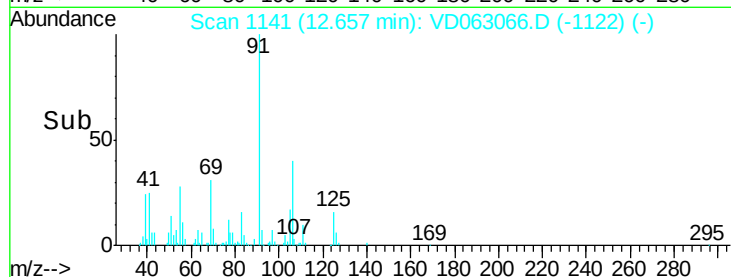
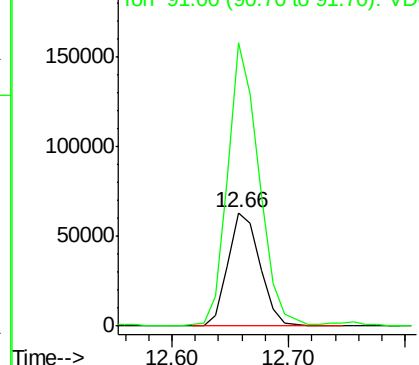
#68
m/p-Xylenes
Concen: 204.667 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD063066.D
Acq: 10 Jul 2019 18:59

Instrument :
MSVOA_D
ClientSampleId :
PX-3_070919

Tot Ion:106 Resp: 120587
Ion Ratio Lower Upper
106 100
91 249.3 183.0 274.6

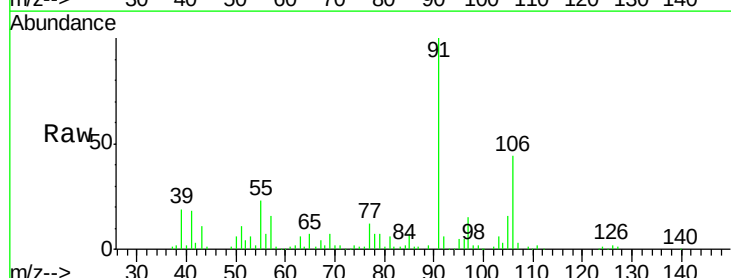


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

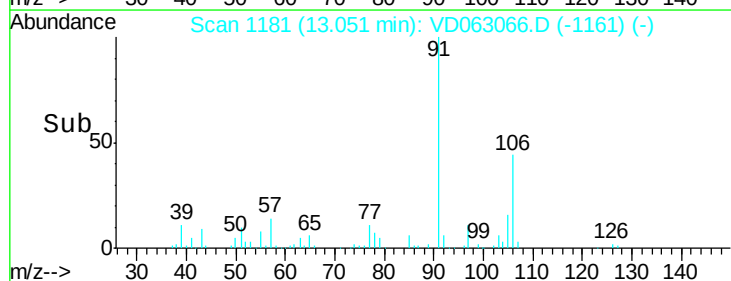
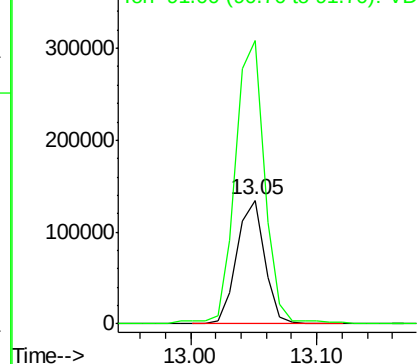


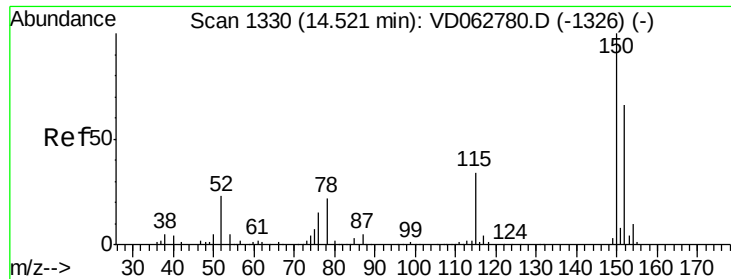
#69
o-Xylene
Concen: 377.476 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063066.D
Acq: 10 Jul 2019 18:59

Tgt Ion:106 Resp: 203310
Ion Ratio Lower Upper
106 100
91 229.0 117.9 353.6



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



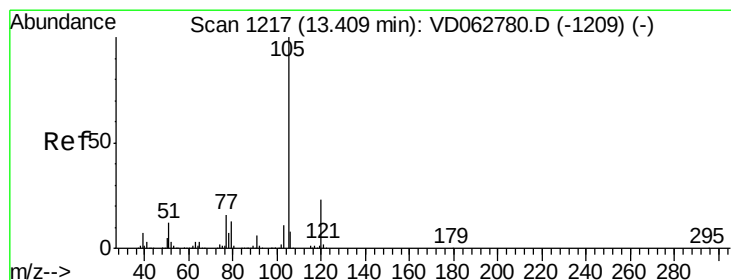
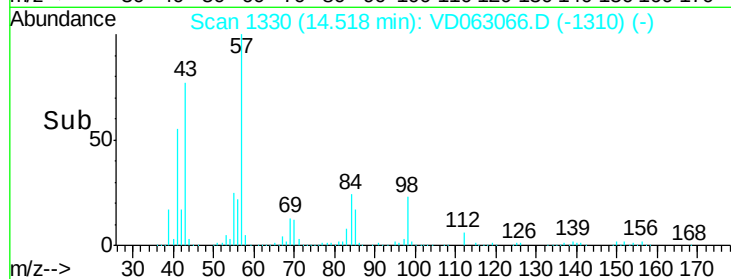
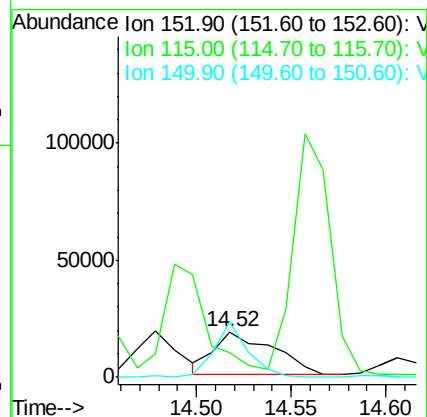
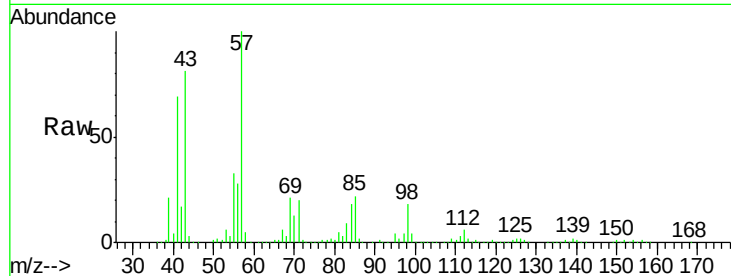


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063066.D
Acq: 10 Jul 2019 18:59

Instrument :
MSVOA_D
ClientSampleId :
PX-3_070919

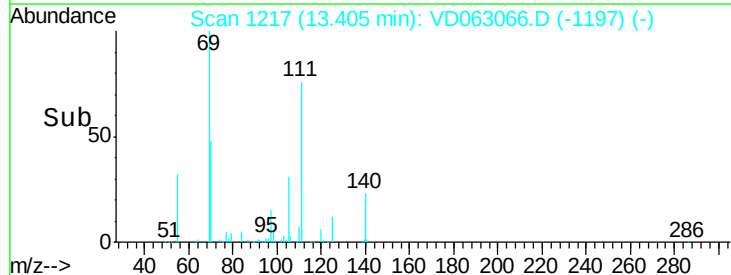
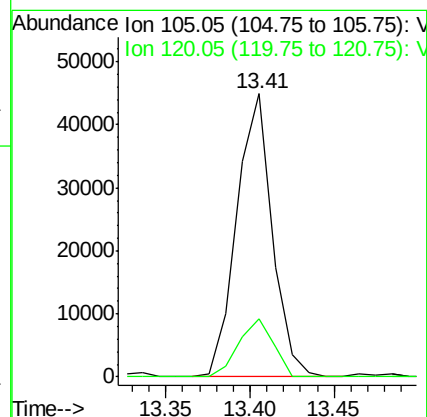
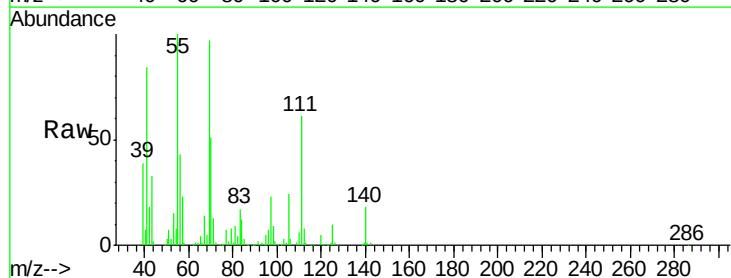
Tot Ion:152 Resp: 39281
Ion Ratio Lower Upper
152 100
115 55.2 29.2 87.6
150 121.0 0.0 305.8

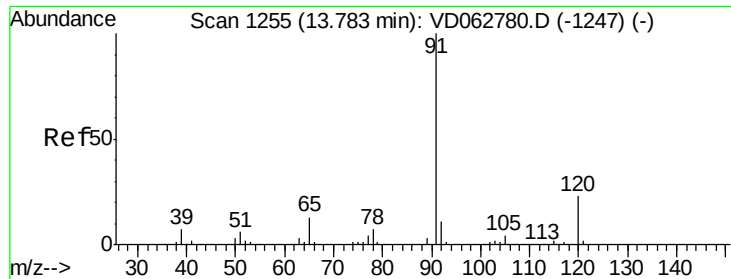


#73

Isopropylbenzene
Concen: 26.056 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VD063066.D
Acq: 10 Jul 2019 18:59

Tgt Ion:105 Resp: 65625
Ion Ratio Lower Upper
105 100
120 20.3 11.6 34.7





#78

n-propylbenzene

Concen: 29.415 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063066.D

Acq: 10 Jul 2019 18:59

Instrument :

MSVOA_D

ClientSampleId :

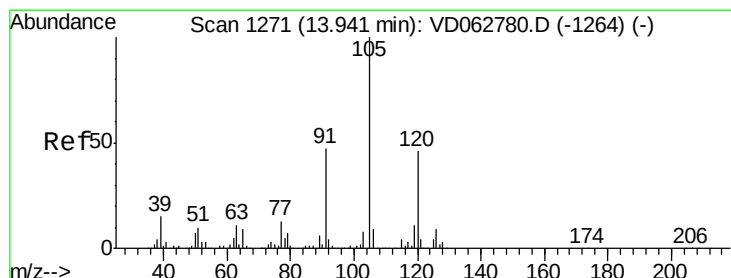
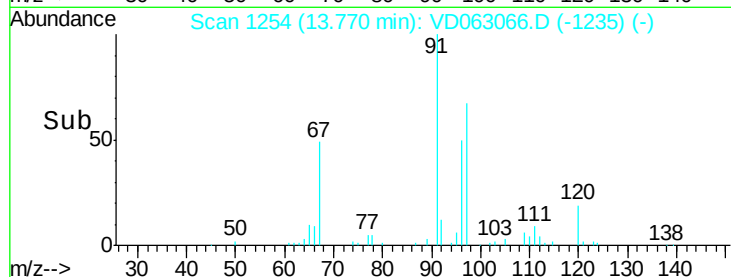
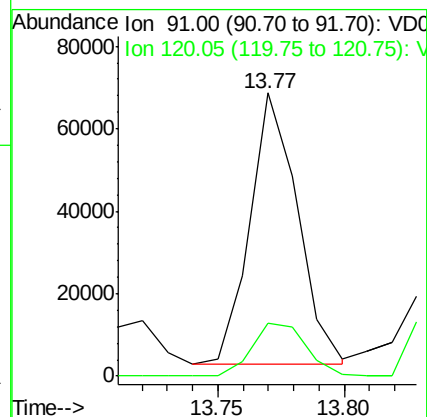
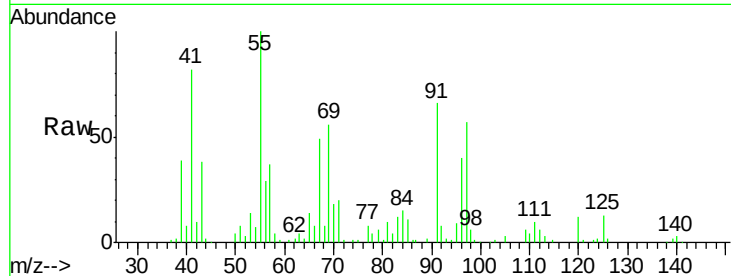
PX-3 070919

Tot Ion: 91 Resp: 86228

Ion Ratio Lower Upper

91 100

120 18.8 11.3 33.8



#80

1,3,5-Trimethylbenzene

Concen: 1191.250 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063066.D

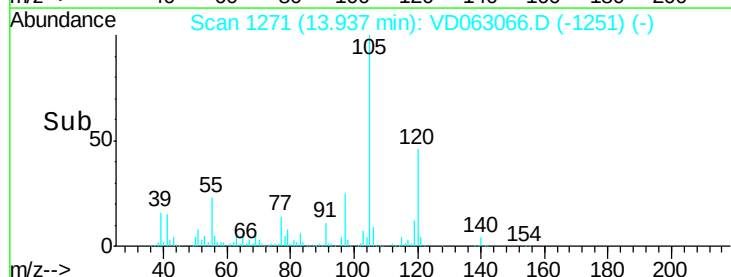
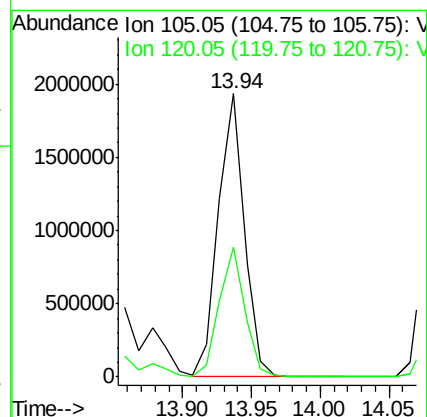
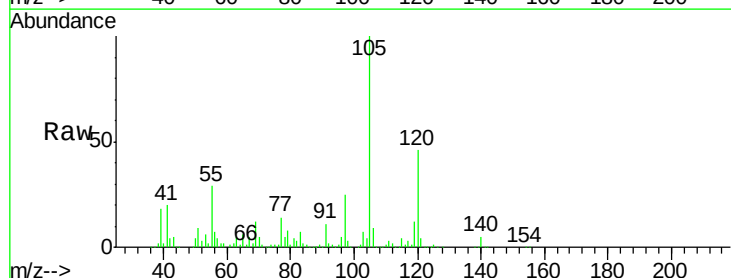
Acq: 10 Jul 2019 18:59

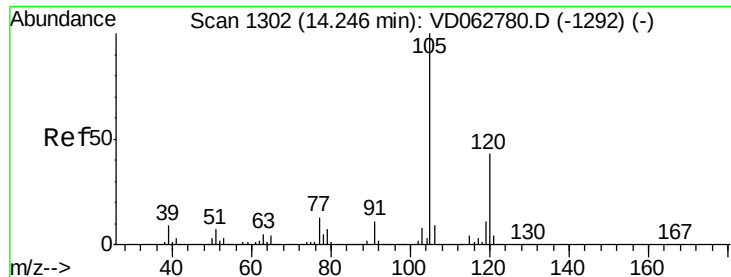
Tgt Ion: 105 Resp: 2520150

Ion Ratio Lower Upper

105 100

120 45.8 23.1 69.2

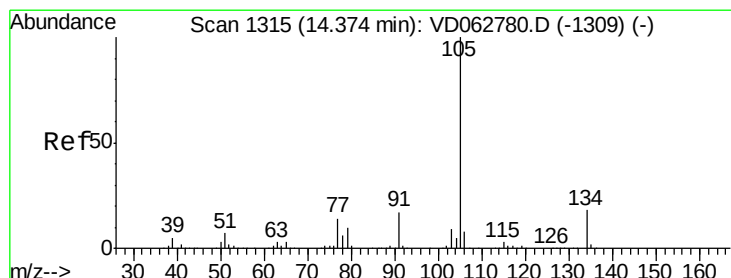
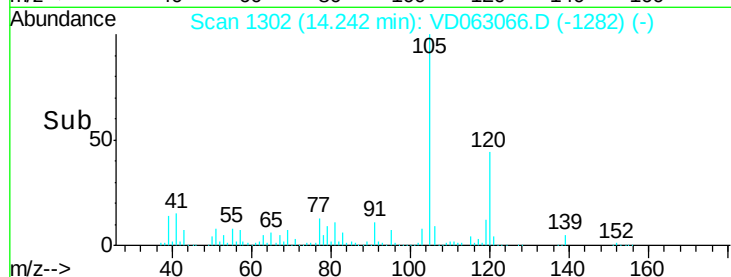
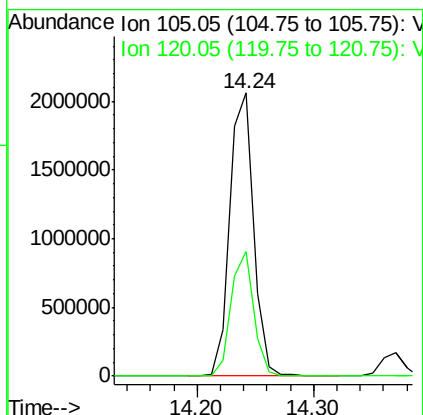
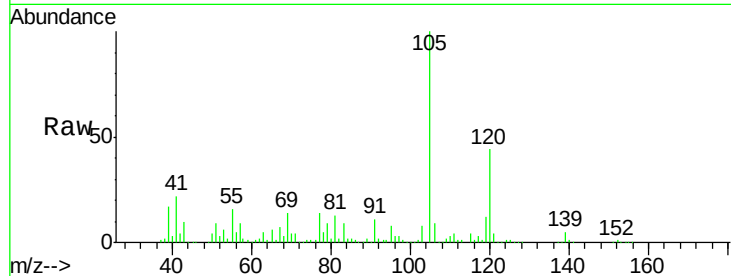




#84
1,2,4-Trimethylbenzene
Concen: 1342.591 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD063066.D
Acq: 10 Jul 2019 18:59

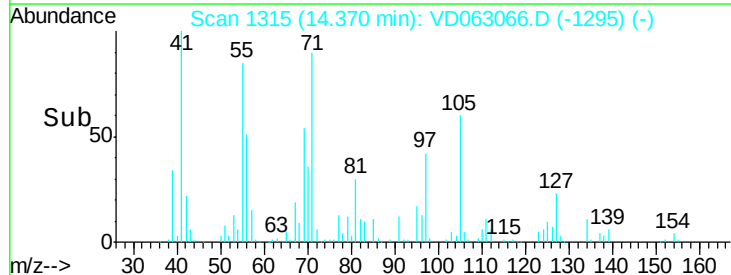
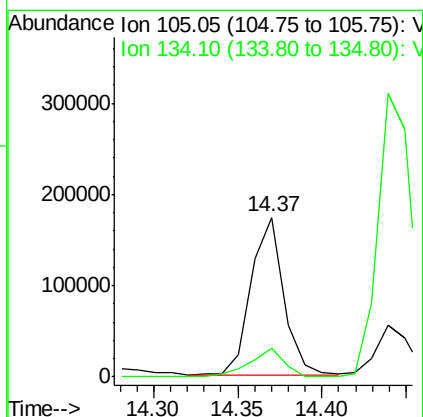
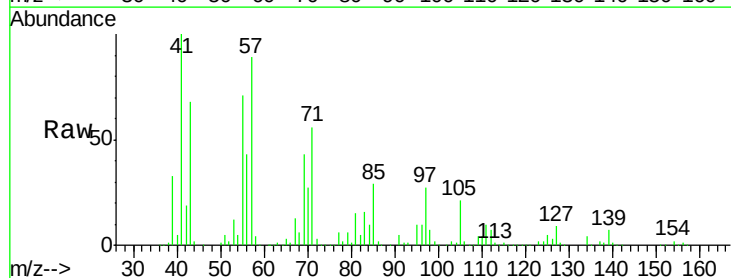
Instrument :
MSVOA_D
ClientSampleId :
PX-3_070919

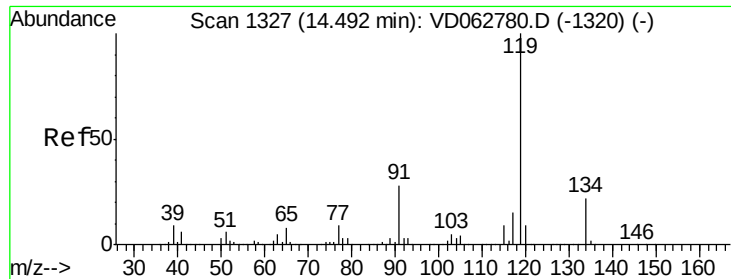
Tot Ion:105 Resp: 2911201
Ion Ratio Lower Upper
105 100
120 44.3 21.3 63.9



#85
sec-Butylbenzene
Concen: 91.074 ug/l
RT: 14.37 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD063066.D
Acq: 10 Jul 2019 18:59

Tgt Ion:105 Resp: 233416
Ion Ratio Lower Upper
105 100
134 18.1 9.1 27.3

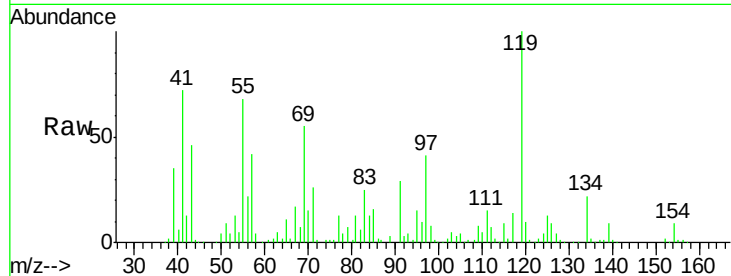




#86
 p-Isopropyltoluene
 Concen: 327.176 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063066.D
 Acq: 10 Jul 2019 18:59

Instrument :
 MSVOA_D
 ClientSampleId :
 PX-3_070919

Tot Ion	Ratio	Lower	Upper
119	100		
134	21.9	11.1	33.1
91	28.5	14.0	41.9



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

