

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067055.D
 Acq On : 03 Oct 2020 01:32
 Operator : VA/SY
 Sample : L4247-01
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)

Quant Time: Oct 05 09:10:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	447417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	751550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	704917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285613	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	222126	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
35) Dibromofluoromethane	7.91	113	238207	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	10.34	98	934640	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.63	95	311142	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	

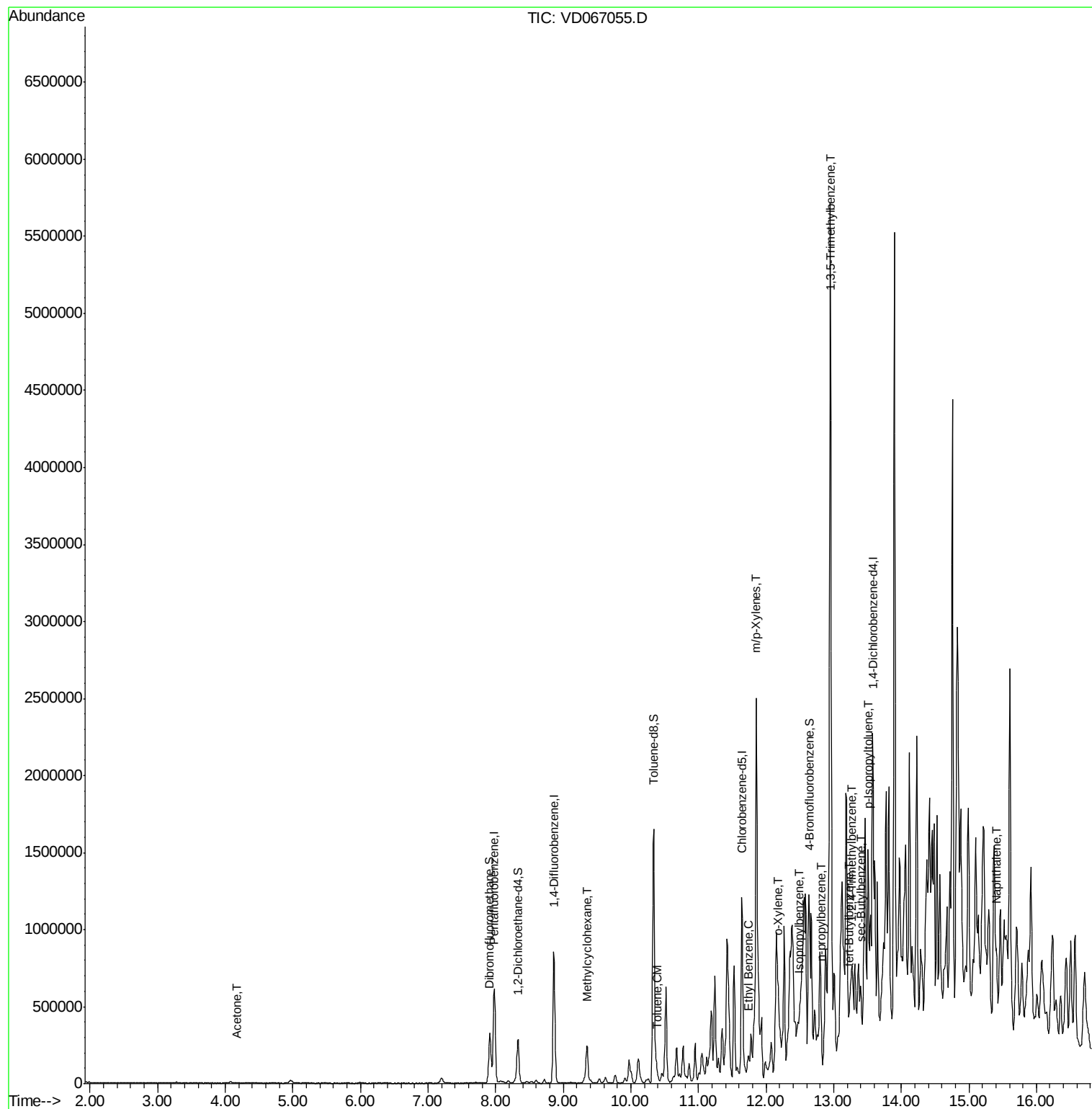
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	6289	9.560	ug/l #	75
39) Methylcyclohexane	9.36	83	102880	13.891	ug/l	94
52) Toluene	10.40	92	15148	1.209	ug/l	92
67) Ethyl Benzene	11.74	91	32776	1.364	ug/l	97
68) m/p-Xylenes	11.85	106	64943	6.937	ug/l	92
69) o-Xylene	12.18	106	69861	8.345	ug/l	87
73) Isopropylbenzene	12.48	105	24684	1.273	ug/l	97
78) n-propylbenzene	12.82	91	30552	1.333	ug/l #	52
80) 1,3,5-Trimethylbenzene	12.96	105	587929	35.882	ug/l	100
83) tert-Butylbenzene	13.23	119	15141	1.097	ug/l	93
84) 1,2,4-Trimethylbenzene	13.27	105	241007	14.739	ug/l	99
85) sec-Butylbenzene	13.40	105	79818	4.108	ug/l	91
86) p-Isopropyltoluene	13.52	119	153135	8.501	ug/l	98
95) Naphthalene	15.41	128	283246	32.957	ug/l #	92

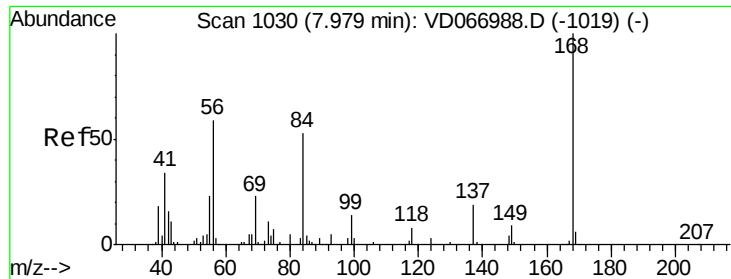
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B-18(0-1)

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067055.D

Acq: 03 Oct 2020 01:32

Instrument :

MSVOA_D

ClientSampleId :

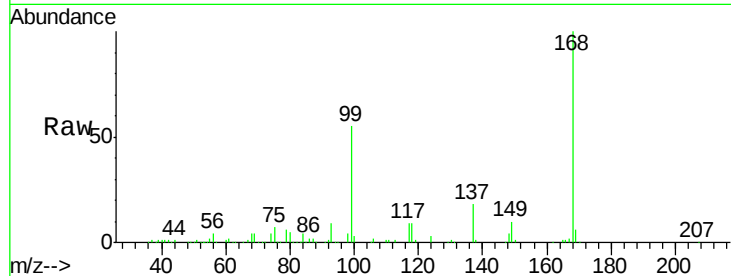
B-18(0-1)

Tot Ion:168 Resp: 447417

Ion Ratio Lower Upper

168 100

99 54.7 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

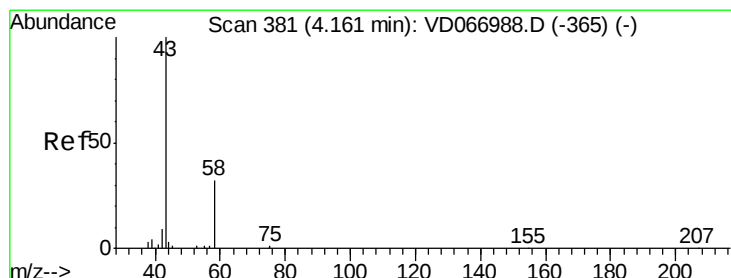
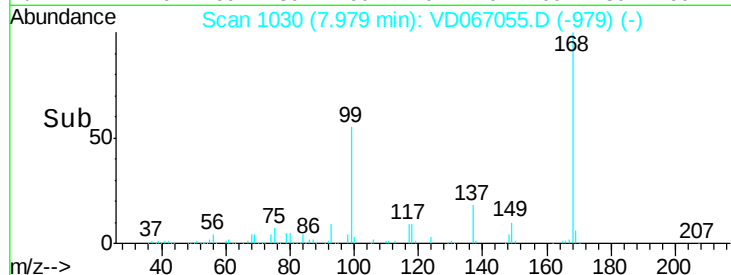
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 9.560 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067055.D

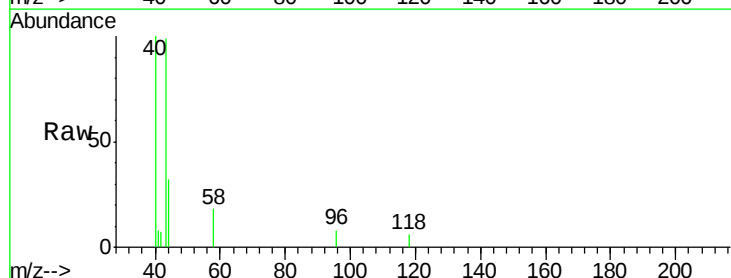
Acq: 03 Oct 2020 01:32

Tgt Ion: 43 Resp: 6289

Ion Ratio Lower Upper

43 100

58 18.1 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

2500

2000

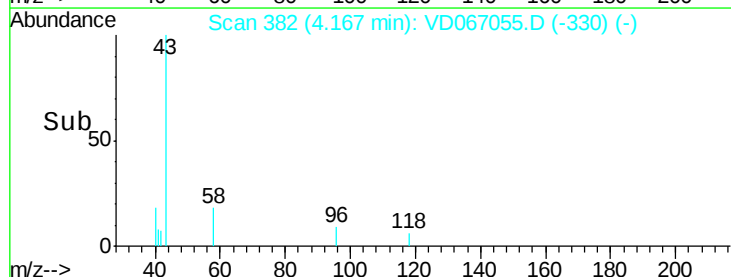
1500

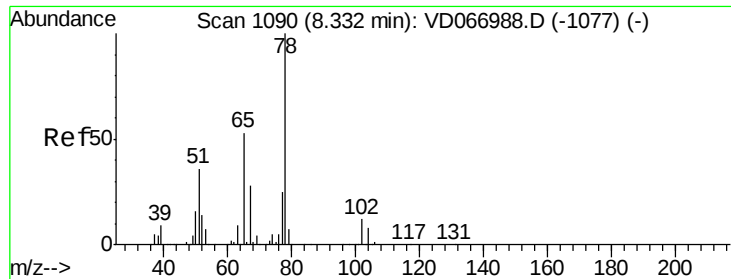
1000

500

0

Time-->

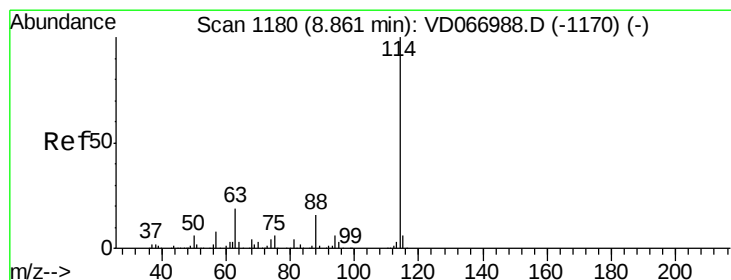
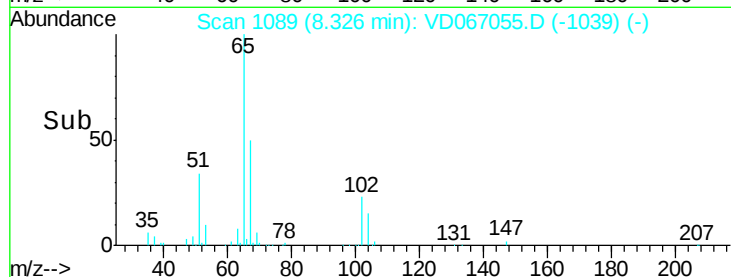
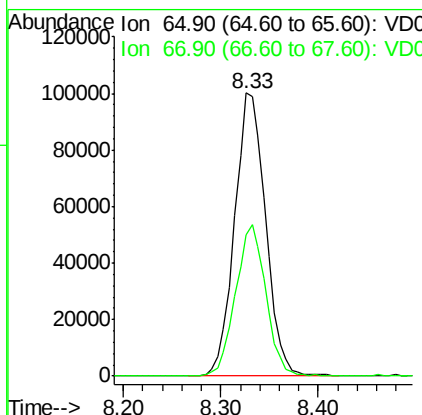
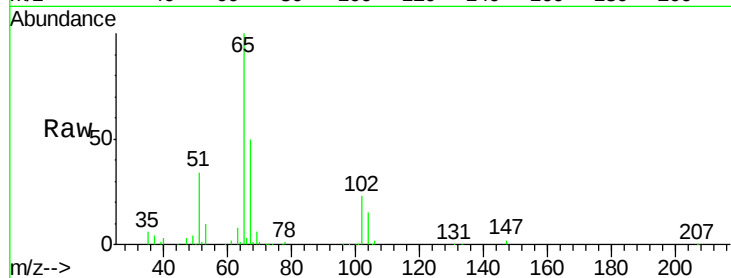




#33
 1,2-Dichloroethane-d4
 Concen: 51.543 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD067055.D
 Acq: 03 Oct 2020 01:32

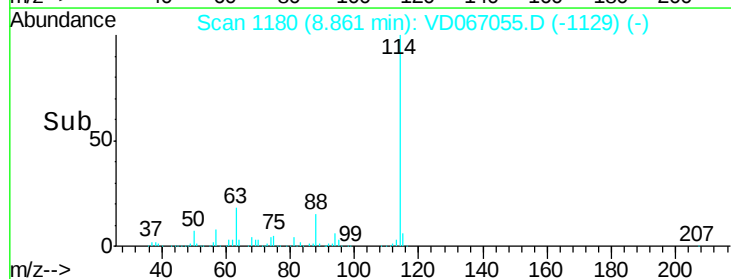
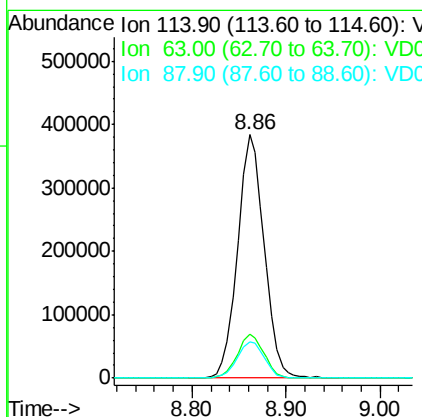
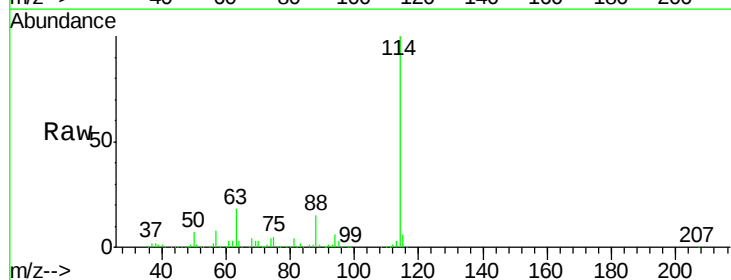
Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)

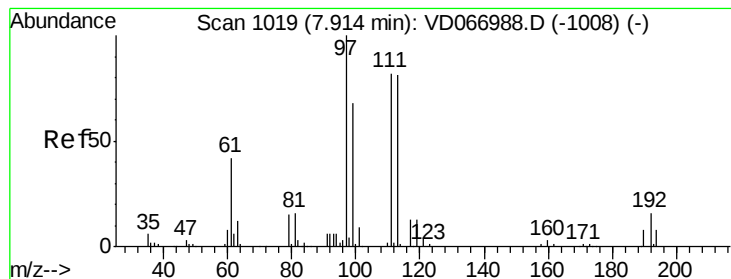
Tot Ion: 65 Resp: 222126
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067055.D
 Acq: 03 Oct 2020 01:32

Tgt Ion: 114 Resp: 751550
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 38.4
 88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.414 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD067055.D

Acq: 03 Oct 2020 01:32

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)

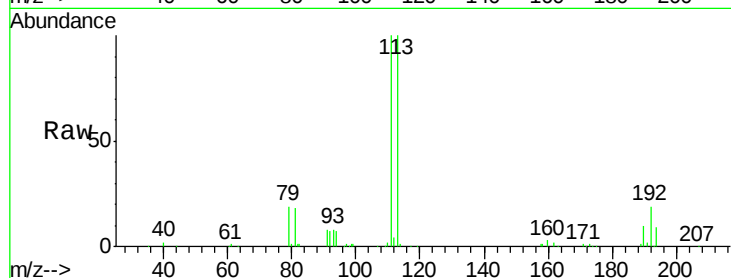
Tot Ion:113 Resp: 238207

Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.0	124.4
192	19.8	15.5	23.3

113 100

111 102.2 83.0 124.4

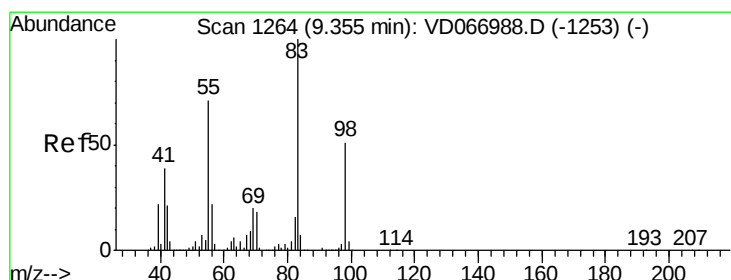
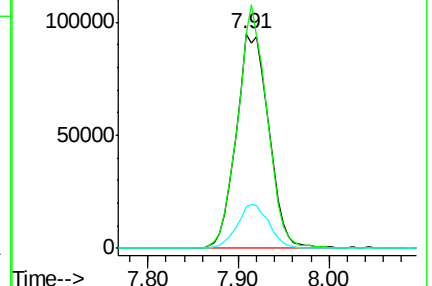
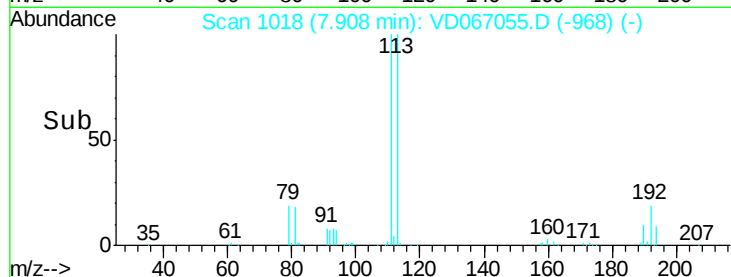
192 19.8 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 13.891 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD067055.D

Acq: 03 Oct 2020 01:32

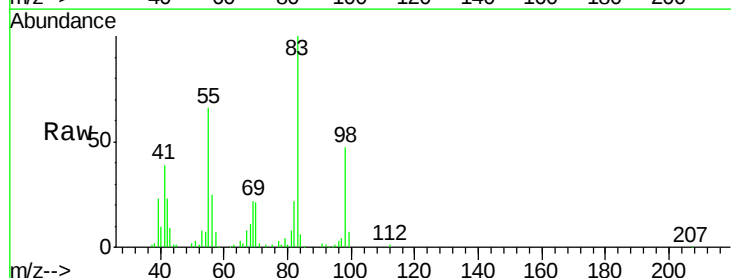
Tgt Ion: 83 Resp: 102880

Ion	Ratio	Lower	Upper
83	100		
55	66.0	57.1	85.7
98	47.5	40.9	61.3

83 100

55 66.0 57.1 85.7

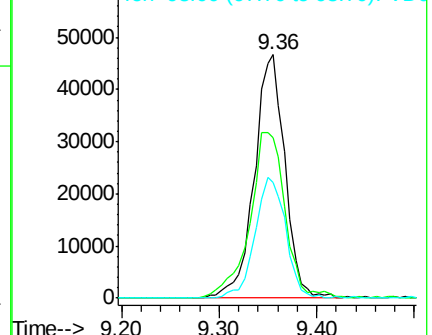
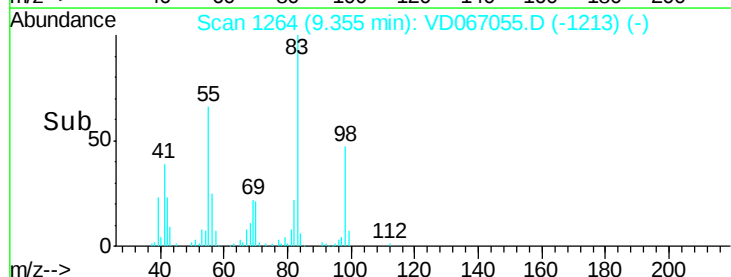
98 47.5 40.9 61.3

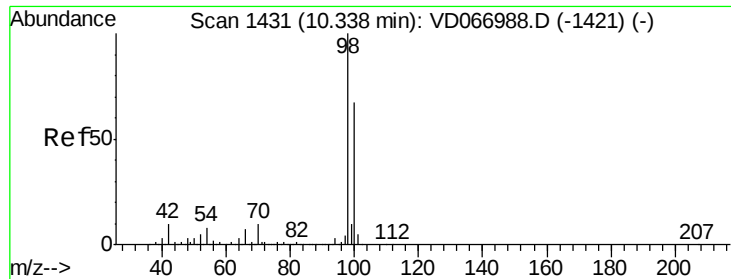


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC





#50

Toluene-d8

Concen: 52.131 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067055.D

Acq: 03 Oct 2020 01:32

Instrument :

MSVOA_D

ClientSampled :

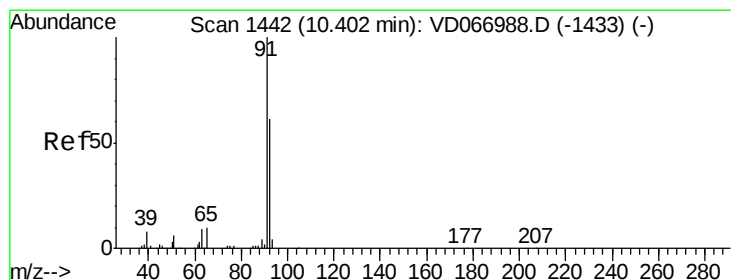
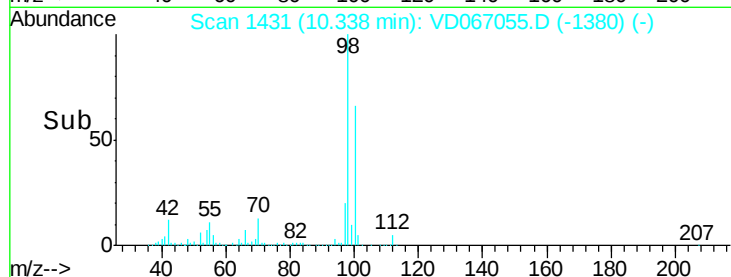
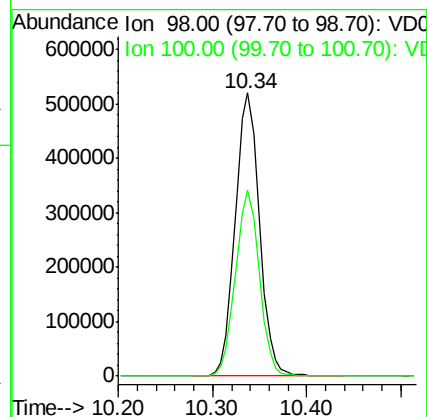
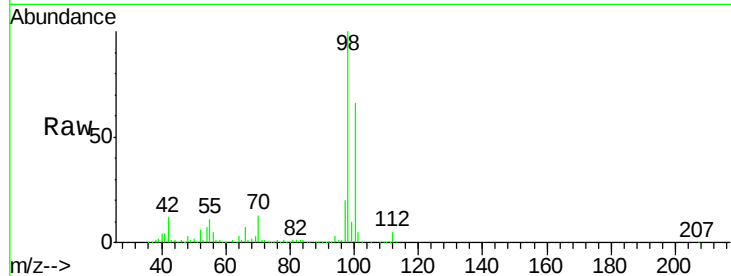
B-18(0-1)

Tot Ion: 98 Resp: 934640

Ion Ratio Lower Upper

98 100

100 64.7 52.8 79.2



#52

Toluene

Concen: 1.209 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067055.D

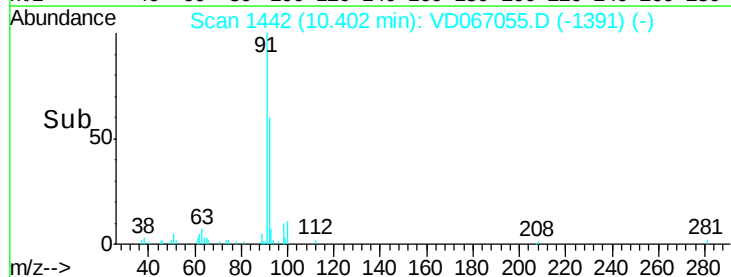
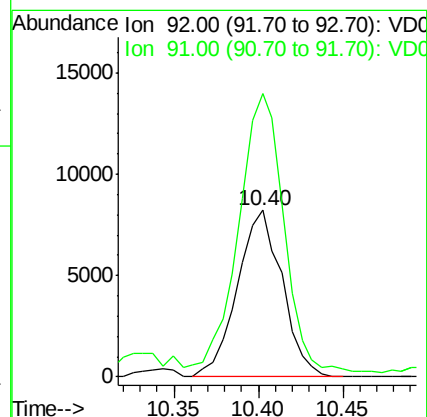
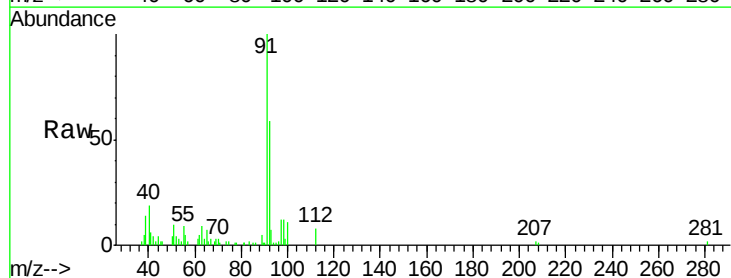
Acq: 03 Oct 2020 01:32

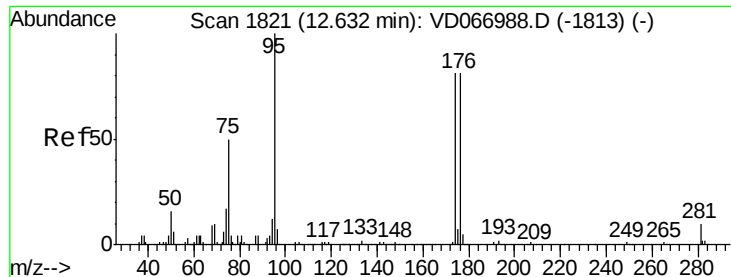
Tgt Ion: 92 Resp: 15148

Ion Ratio Lower Upper

92 100

91 179.7 135.1 202.7

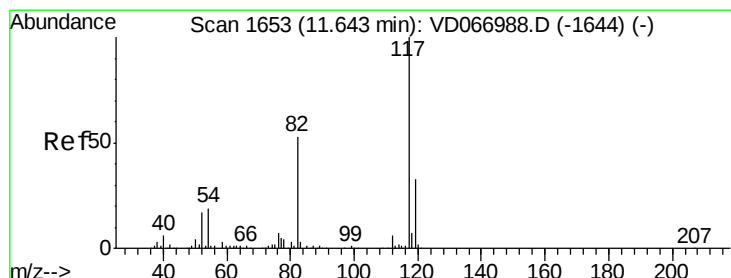
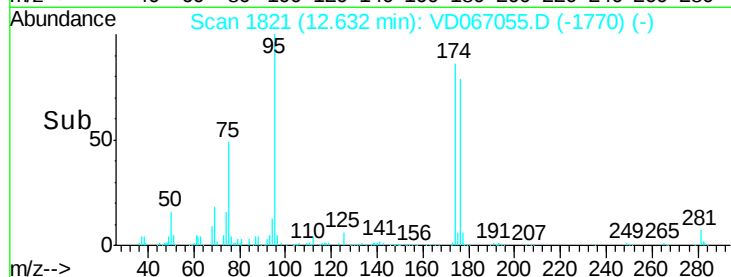
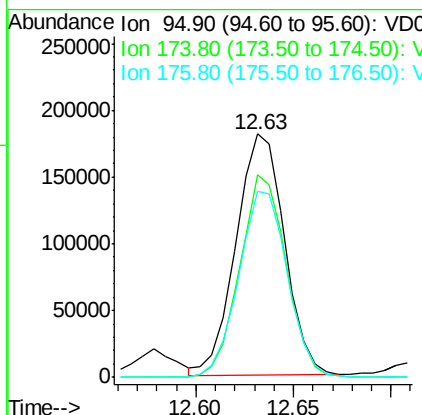
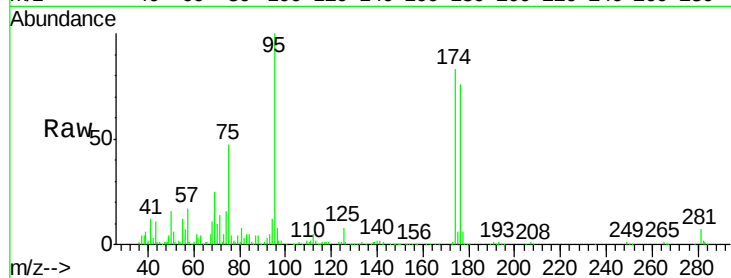




#62
4-Bromofluorobenzene
Concen: 51.121 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067055.D
Acq: 03 Oct 2020 01:32

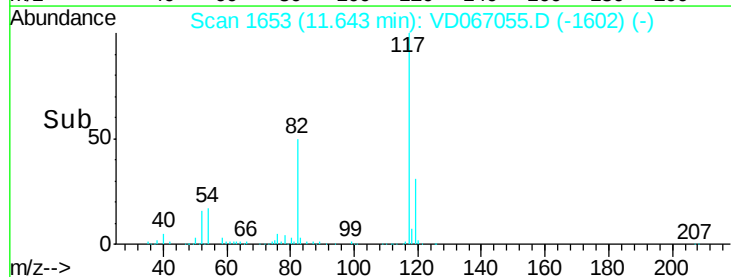
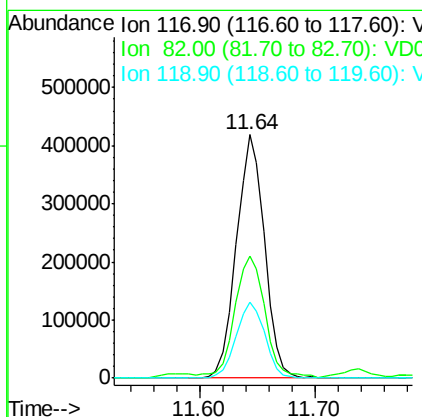
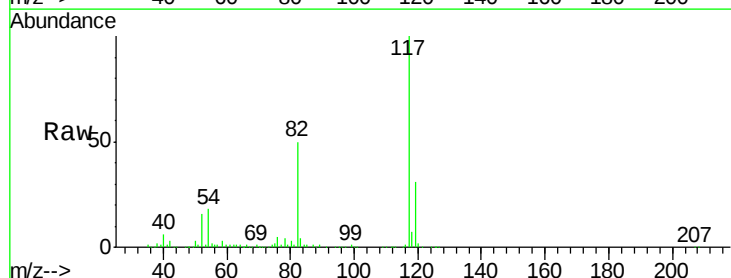
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)

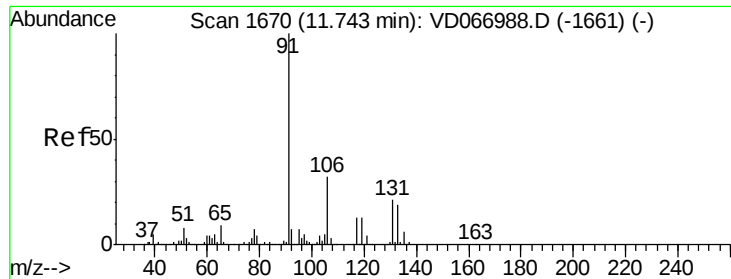
Tot Ion: 95 Resp: 311142
Ion Ratio Lower Upper
95 100
174 80.3 0.0 167.6
176 77.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067055.D
Acq: 03 Oct 2020 01:32

Tgt Ion: 117 Resp: 704917
Ion Ratio Lower Upper
117 100
82 48.9 42.6 63.8
119 31.2 26.3 39.5





#67

Ethyl Benzene

Concen: 1.364 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067055.D

Acq: 03 Oct 2020 01:32

Instrument :

MSVOA_D

ClientSampleId :

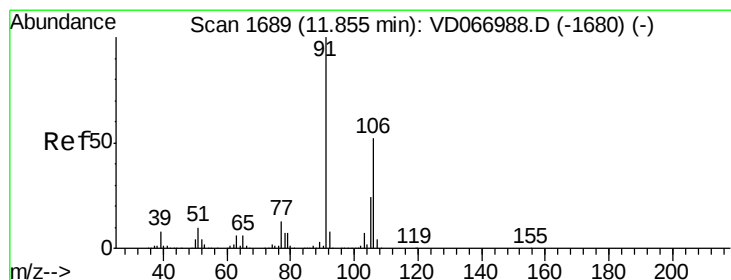
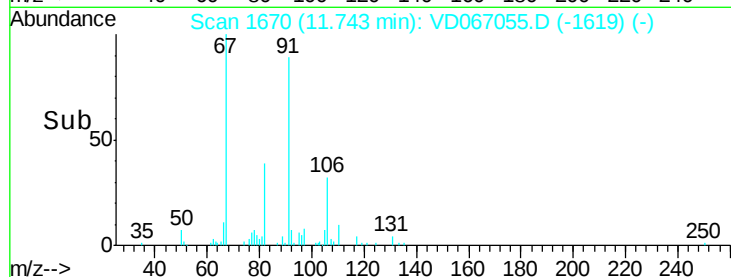
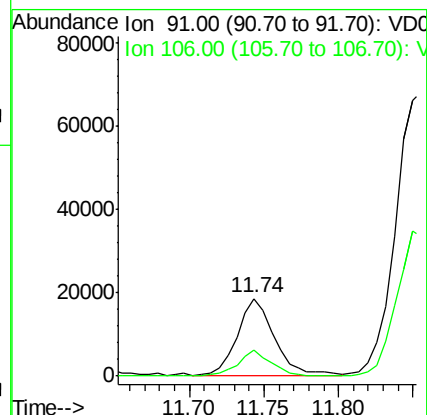
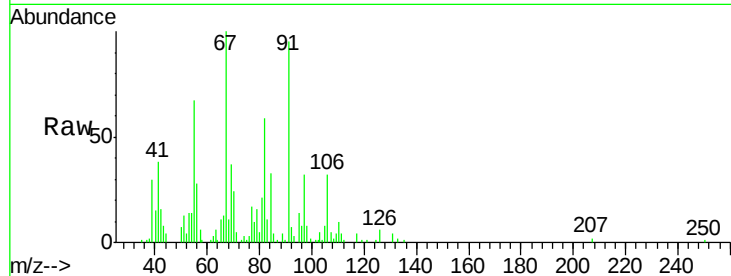
B-18(0-1)

Tot Ion: 91 Resp: 32776

Ion Ratio Lower Upper

91 100

106 33.7 25.4 38.2



#68

m/p-Xylenes

Concen: 6.937 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD067055.D

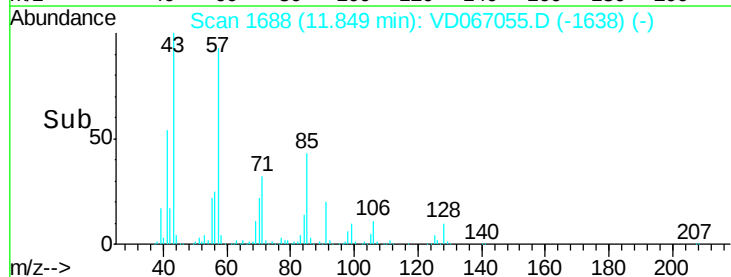
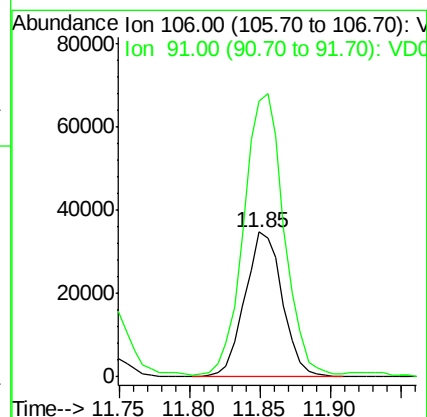
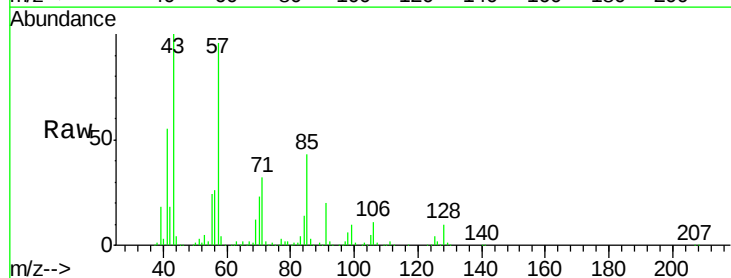
Acq: 03 Oct 2020 01:32

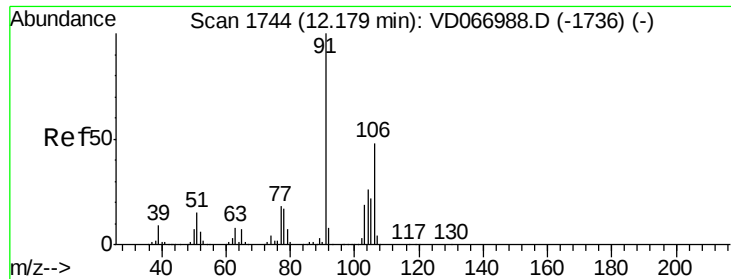
Tgt Ion: 106 Resp: 64943

Ion Ratio Lower Upper

106 100

91 210.7 158.4 237.6

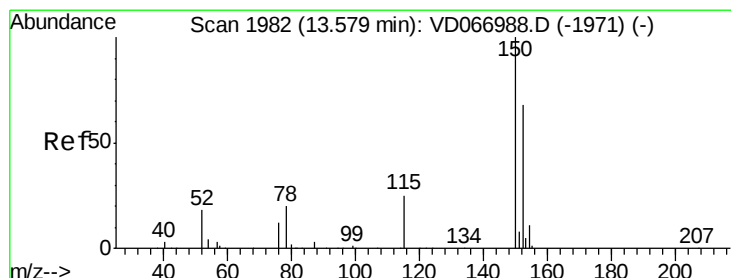
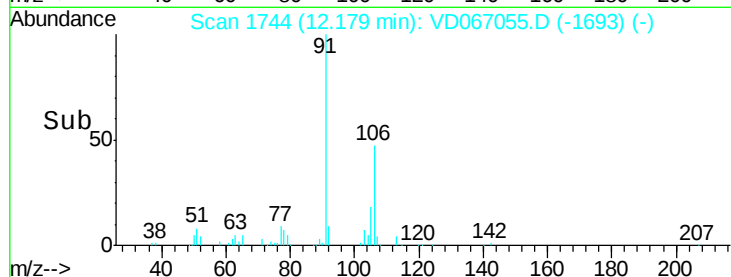
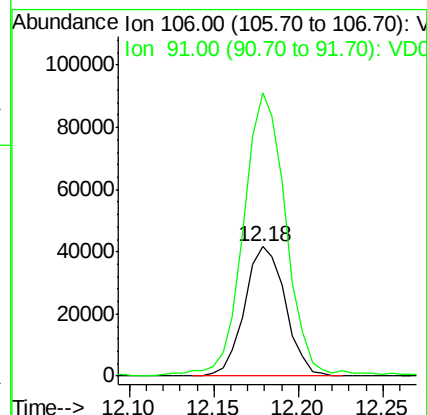
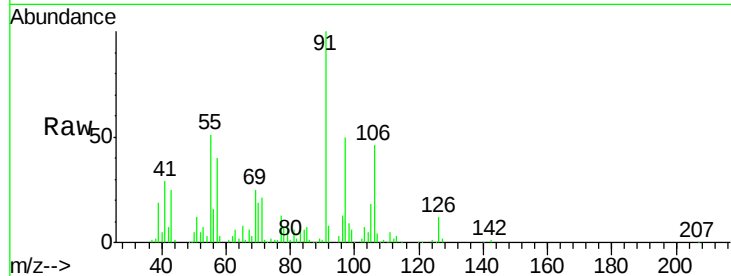




#69
o-Xylene
Concen: 8.345 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067055.D
Acq: 03 Oct 2020 01:32

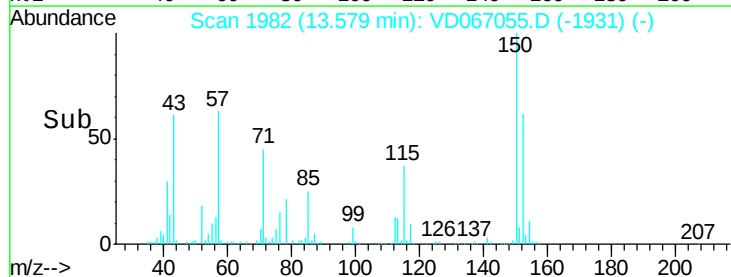
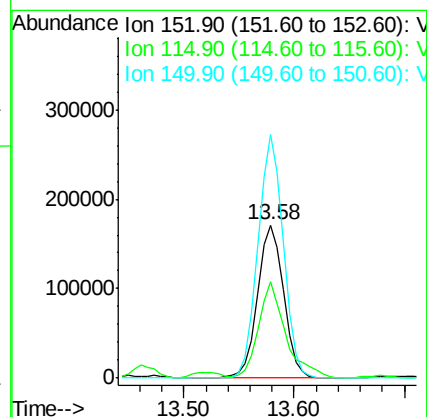
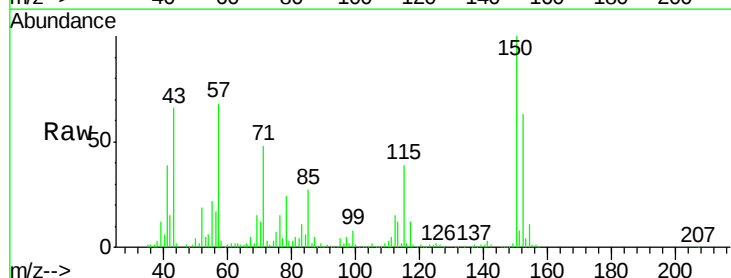
Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)

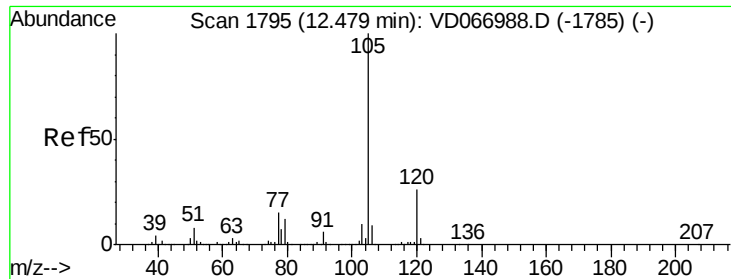
Tot Ion:106 Resp: 69861
Ion Ratio Lower Upper
106 100
91 224.9 102.4 307.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067055.D
Acq: 03 Oct 2020 01:32

Tgt Ion:152 Resp: 285613
Ion Ratio Lower Upper
152 100
115 64.5 29.6 88.8
150 153.1 0.0 344.8





#73

Isopropylbenzene

Concen: 1.273 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067055.D

Acq: 03 Oct 2020 01:32

Instrument :

MSVOA_D

ClientSampleId :

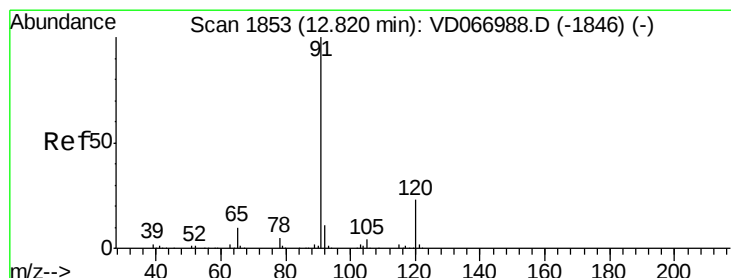
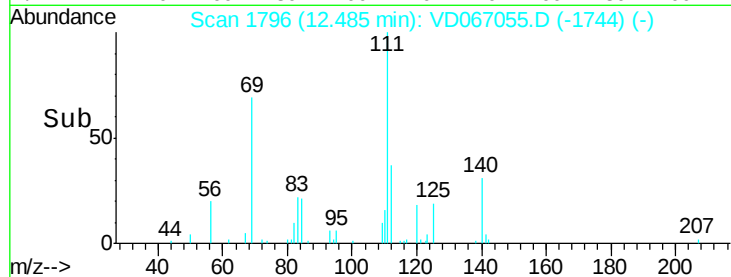
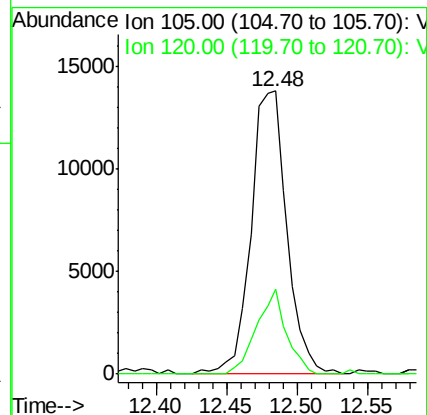
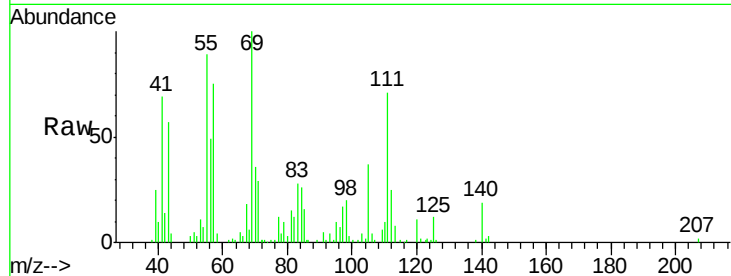
B-18(0-1)

Tot Ion:105 Resp: 24684

Ion Ratio Lower Upper

105 100

120 25.1 13.3 39.9



#78

n-propylbenzene

Concen: 1.333 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD067055.D

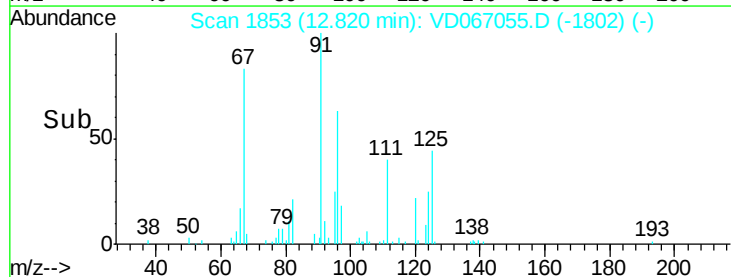
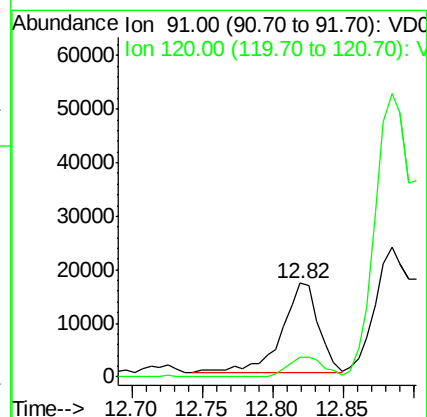
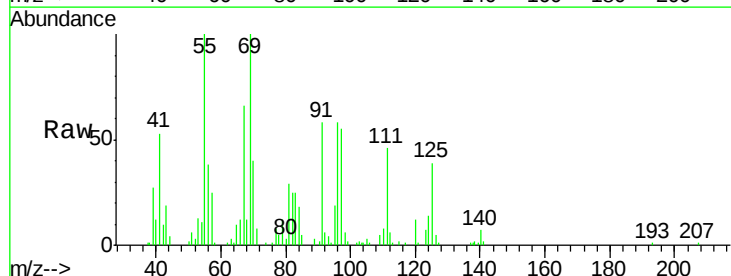
Acq: 03 Oct 2020 01:32

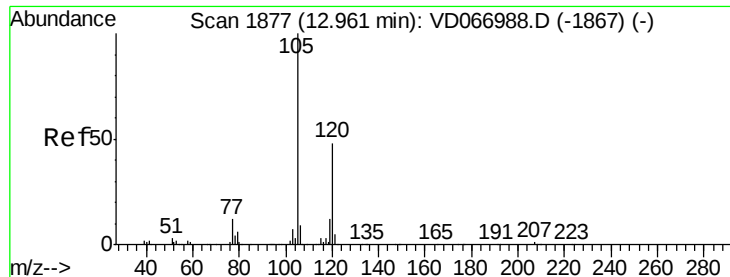
Tgt Ion: 91 Resp: 30552

Ion Ratio Lower Upper

91 100

120 0.0 11.6 34.8#

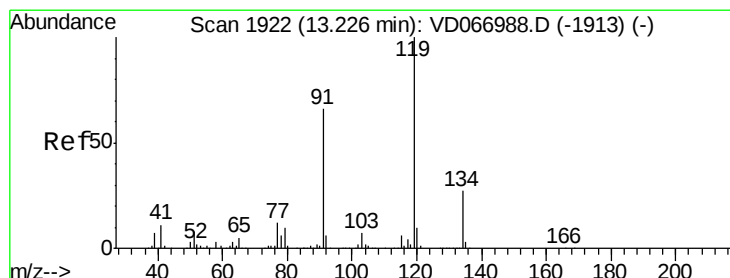
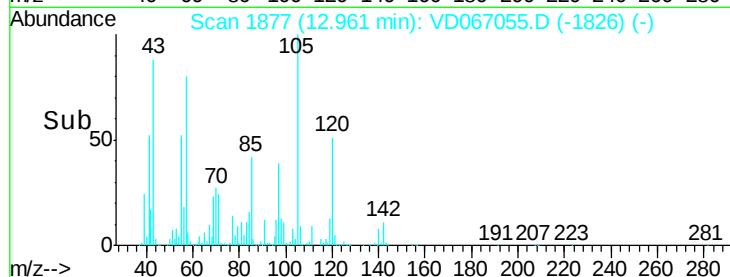
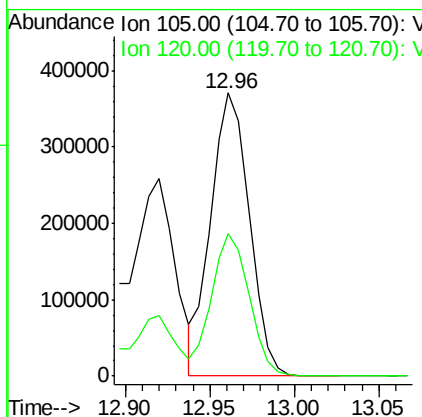
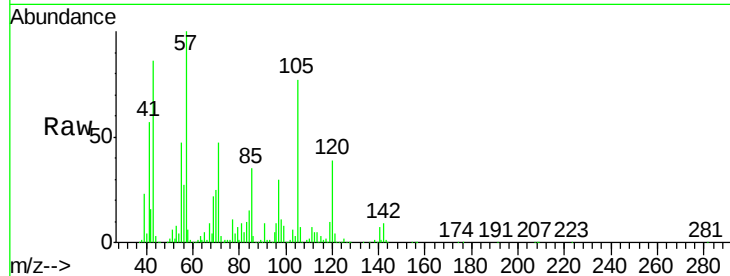




#80
 1,3,5-Trimethylbenzene
 Concen: 35.882 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067055.D
 Acq: 03 Oct 2020 01:32

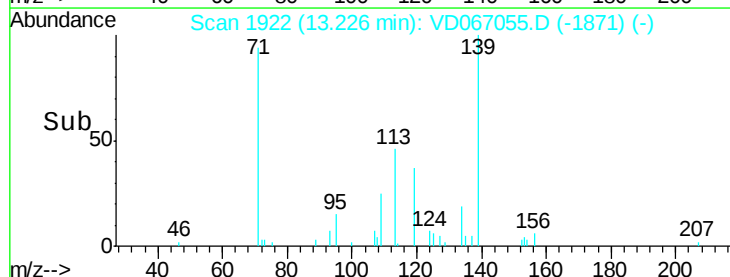
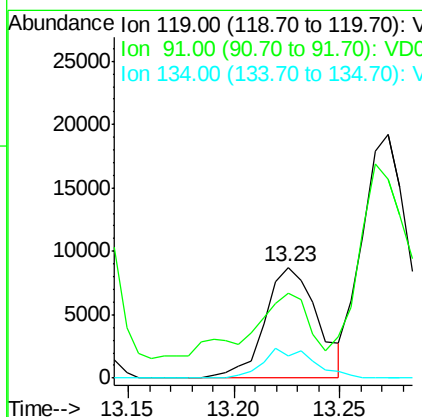
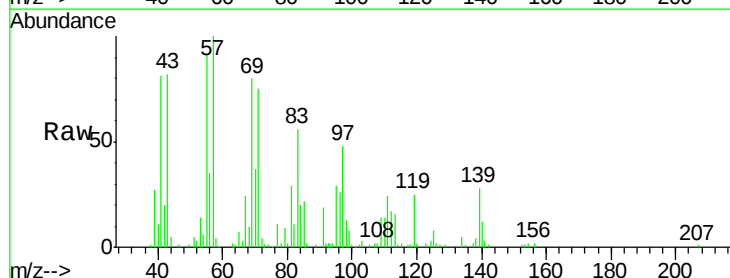
Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)

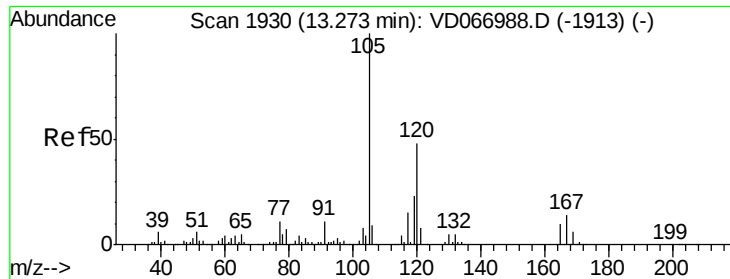
Tot Ion:105 Resp: 587929
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.6 74.0



#83
 tert-Butylbenzene
 Concen: 1.097 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067055.D
 Acq: 03 Oct 2020 01:32

Tgt Ion:119 Resp: 15141
 Ion Ratio Lower Upper
 119 100
 91 59.5 32.8 98.3
 134 25.6 13.9 41.7

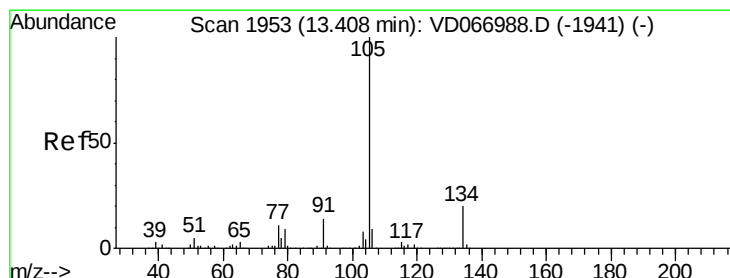
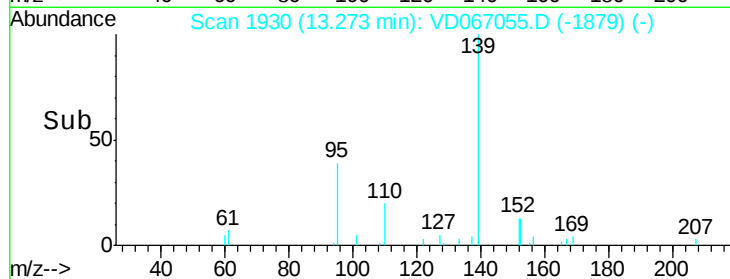
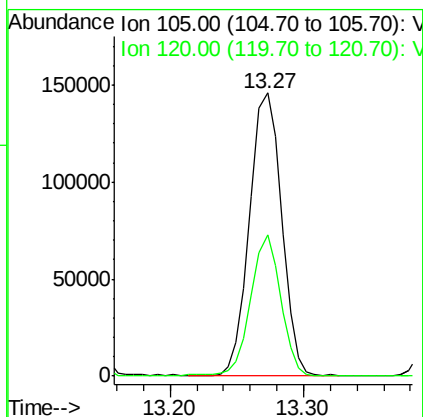
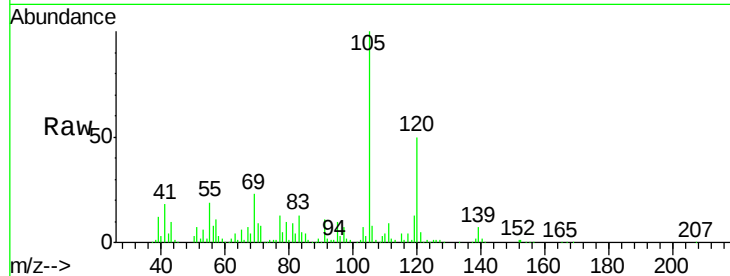




#84
 1,2,4-Trimethylbenzene
 Concen: 14.739 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067055.D
 Acq: 03 Oct 2020 01:32

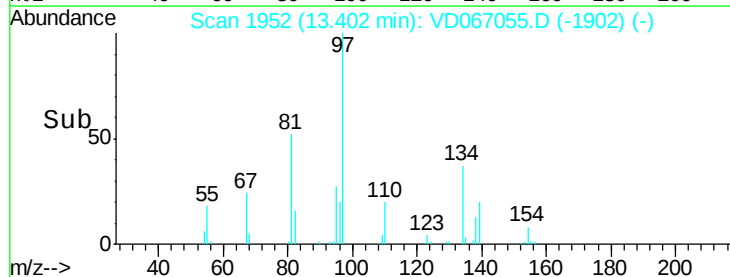
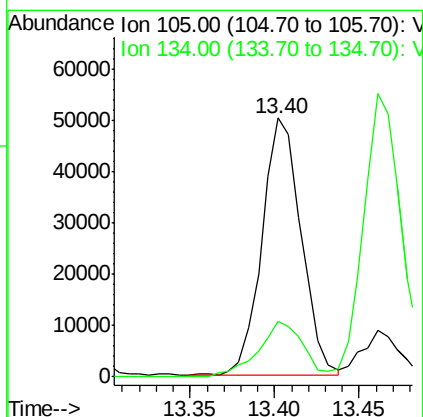
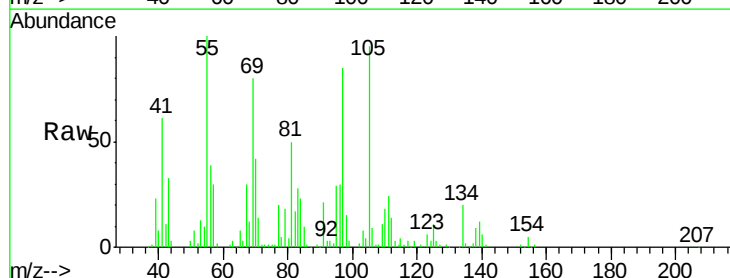
Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)

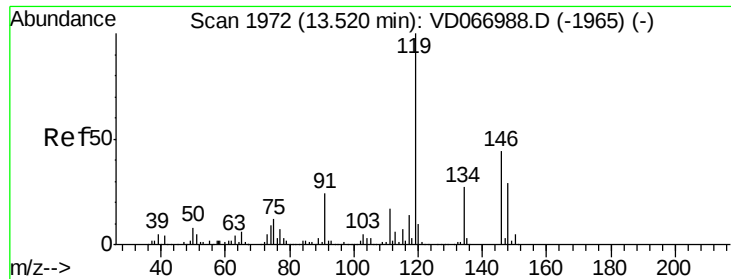
Tot Ion:105 Resp: 241007
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.3 69.8



#85
 sec-Butylbenzene
 Concen: 4.108 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067055.D
 Acq: 03 Oct 2020 01:32

Tgt Ion:105 Resp: 79818
 Ion Ratio Lower Upper
 105 100
 134 24.5 10.3 30.8

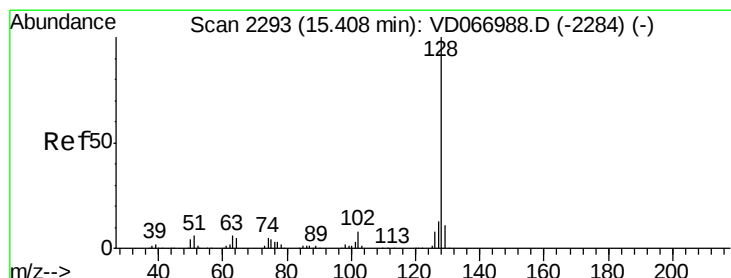
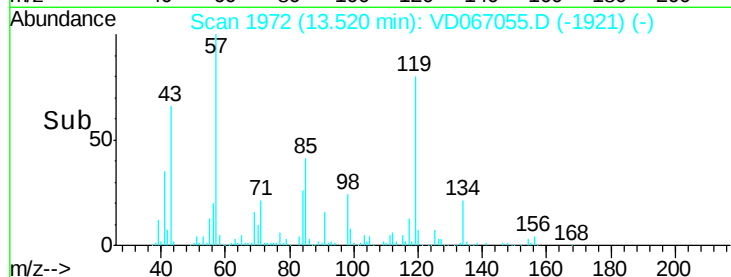
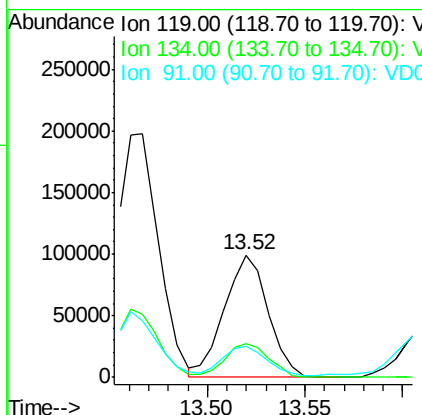
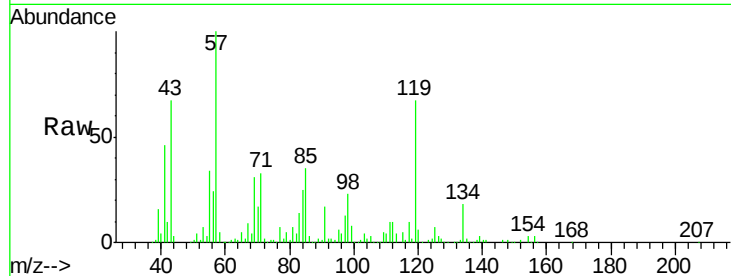




#86
 p-Isopropyltoluene
 Concen: 8.501 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067055.D
 Acq: 03 Oct 2020 01:32

Instrument :
 MSVOA_D
 ClientSampled :
 B-18(0-1)

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.1	39.1
91	23.8	11.7	35.1



#95
 Naphthalene
 Concen: 32.957 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VD067055.D
 Acq: 03 Oct 2020 01:32

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.7	10.3	15.5#
129	13.0	8.6	13.0#

