

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
 Data File : VD066255.D
 Acq On : 17 Aug 2020 14:00
 Operator : VA/SY
 Sample : L3662-07
 Misc : 7.20G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 24051

Quant Time: Aug 17 14:55:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	280787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	451444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	462750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	132313	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	117803	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
35) Dibromofluoromethane	7.91	113	134513	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
50) Toluene-d8	10.34	98	498475	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
62) 4-Bromofluorobenzene	12.63	95	190070	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	

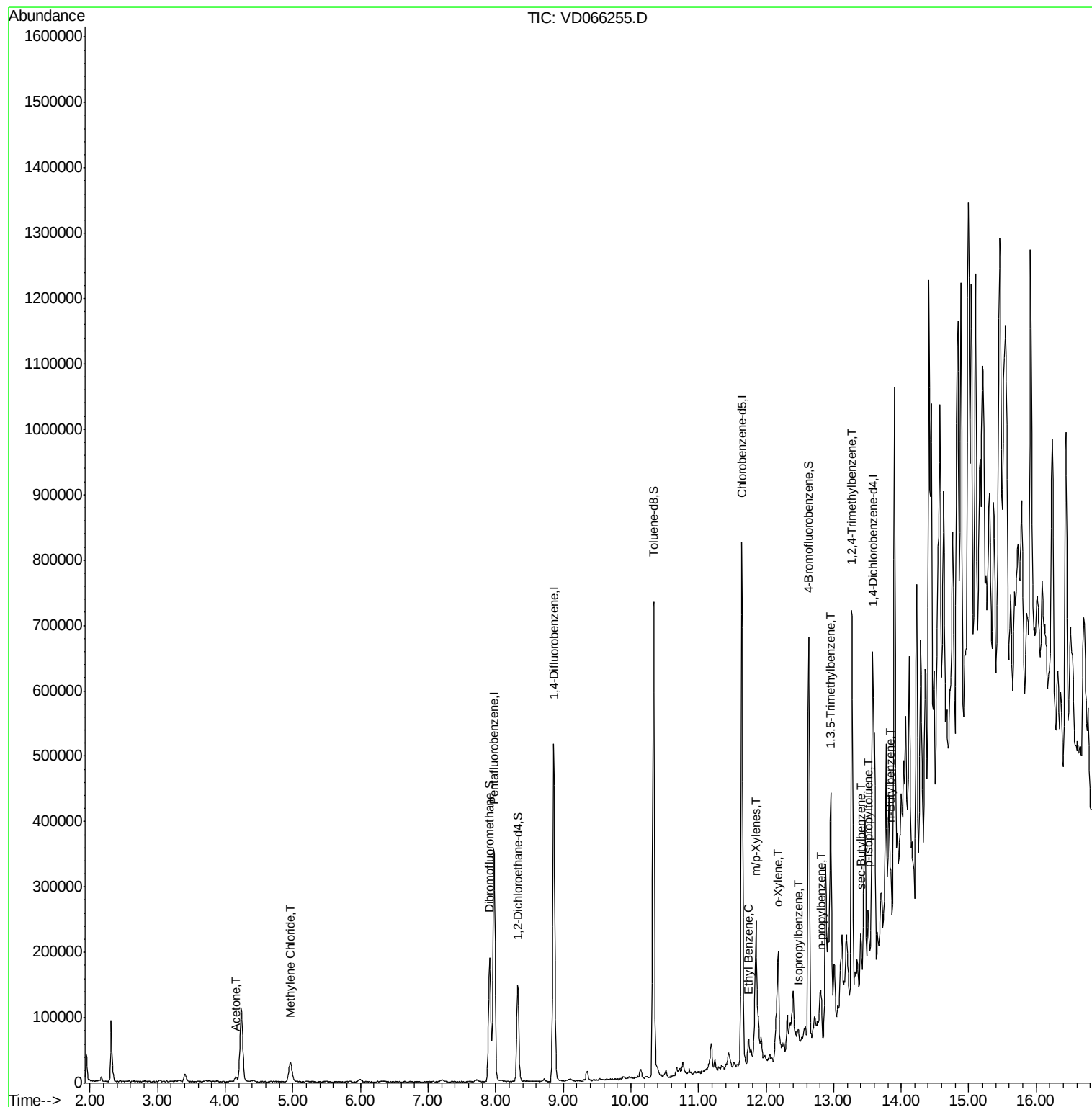
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	14448	30.397	ug/l	94
20) Methylene Chloride	4.97	84	24067	4.579	ug/l	95
67) Ethyl Benzene	11.74	91	21823	1.341	ug/l #	88
68) m/p-Xylenes	11.85	106	62191	9.860	ug/l	98
69) o-Xylene	12.18	106	38670	6.740	ug/l	97
73) Isopropylbenzene	12.48	105	11569	1.310	ug/l	81
78) n-propylbenzene	12.82	91	35555	3.463	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	82330	11.146	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	344152	46.557	ug/l	100
85) sec-Butylbenzene	13.40	105	27881	3.179	ug/l #	72
86) p-Isopropyltoluene	13.52	119	35768	4.348	ug/l	99
89) n-Butylbenzene	13.84	91	53131	7.209	ug/l #	63

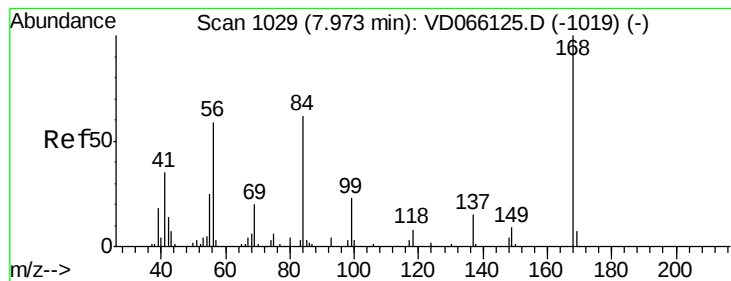
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066255.D
Acq On : 17 Aug 2020 14:00
Operator : VA/SY
Sample : L3662-07
Misc : 7.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
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24051

Quant Time: Aug 17 14:55:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066255.D

Acq: 17 Aug 2020 14:00

Instrument :

MSVOA_D

ClientSampleId :

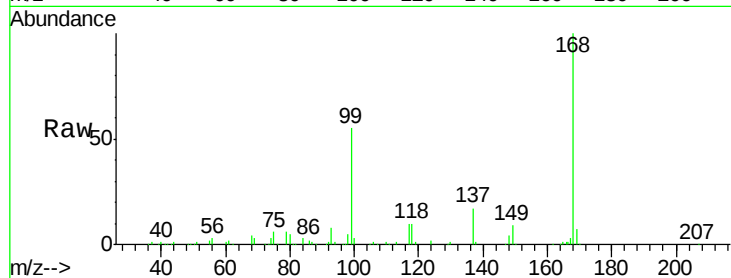
24051

Tot Ion:168 Resp: 280787

Ion Ratio Lower Upper

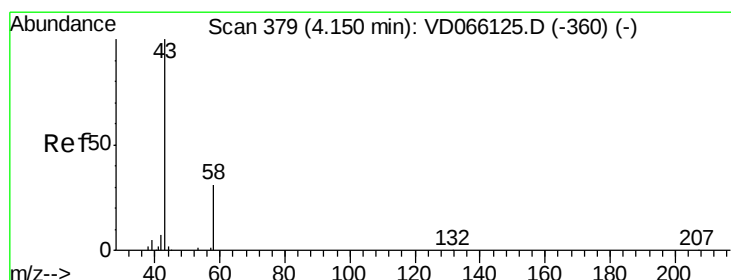
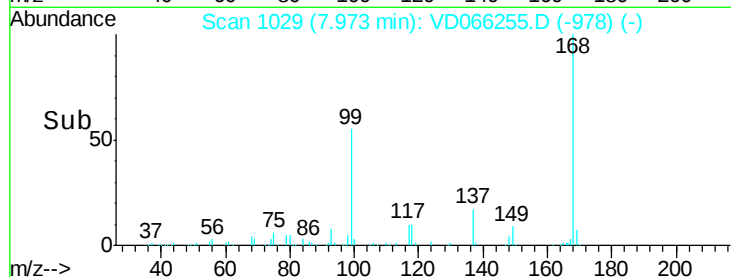
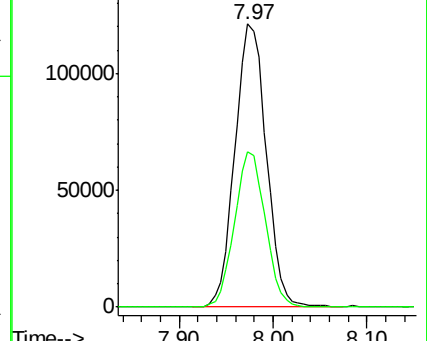
168 100

99 54.8 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 30.397 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066255.D

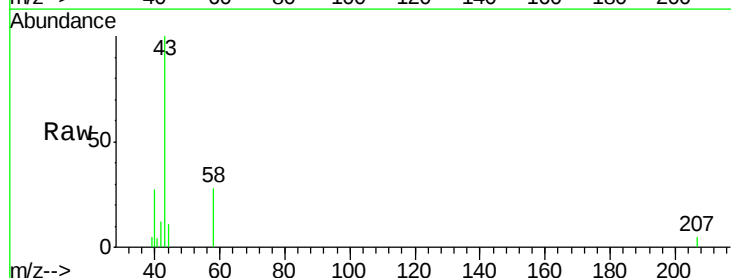
Acq: 17 Aug 2020 14:00

Tgt Ion: 43 Resp: 14448

Ion Ratio Lower Upper

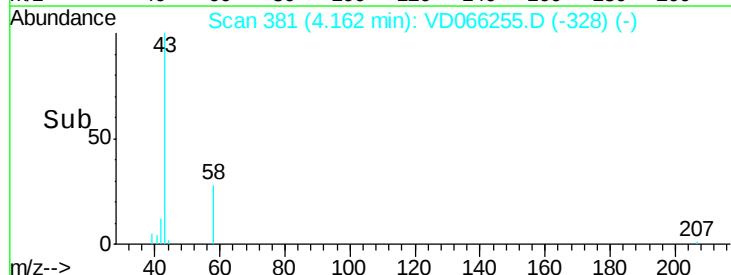
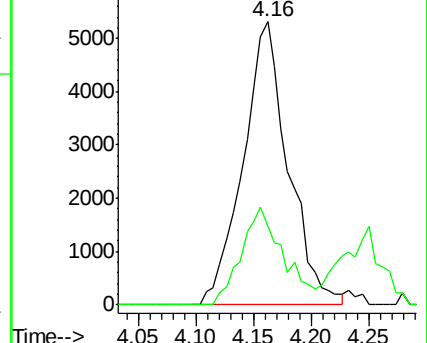
43 100

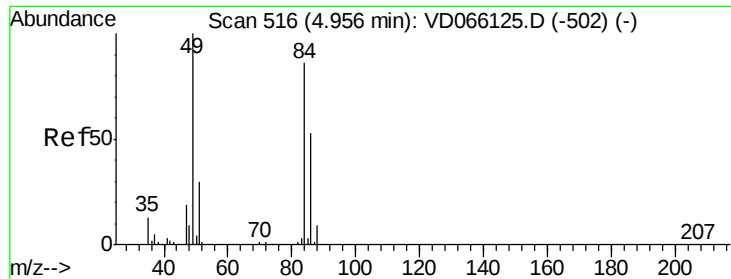
58 27.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

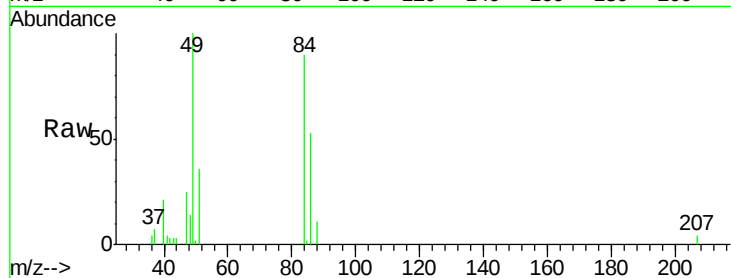




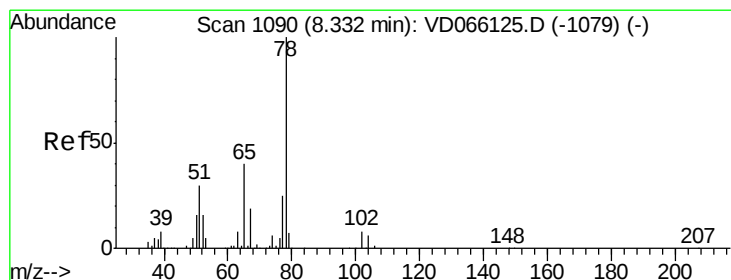
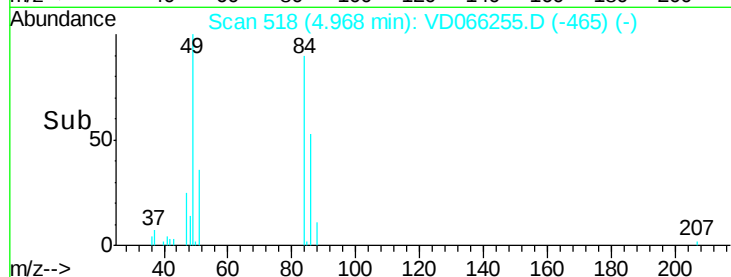
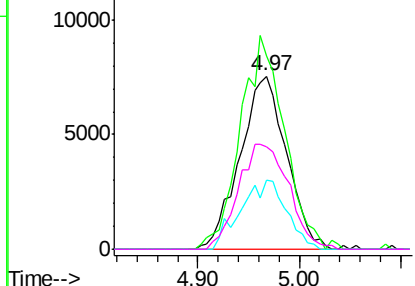
#20
Methylene Chloride
Concen: 4.579 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066255.D
Acq: 17 Aug 2020 14:00

Instrument :
MSVOA_D
ClientSampleId :
24051

Tot Ion:	84	Resp:	24067
Ion	Ratio	Lower	Upper
84	100		
49	111.4	93.5	140.3
51	39.6	28.2	42.4
86	59.1	49.5	74.3

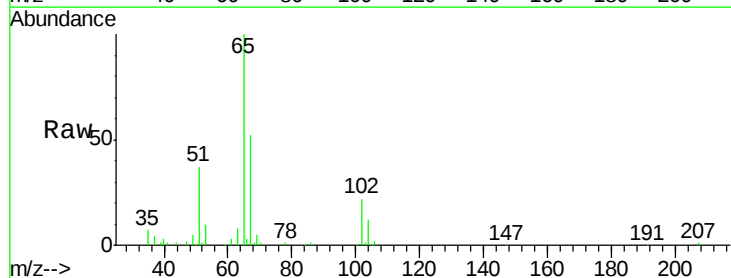


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

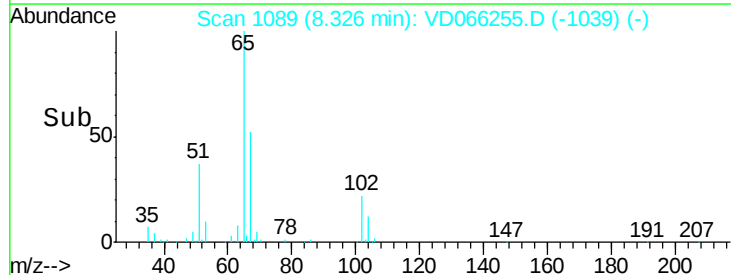
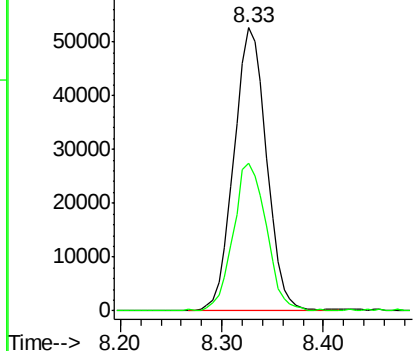


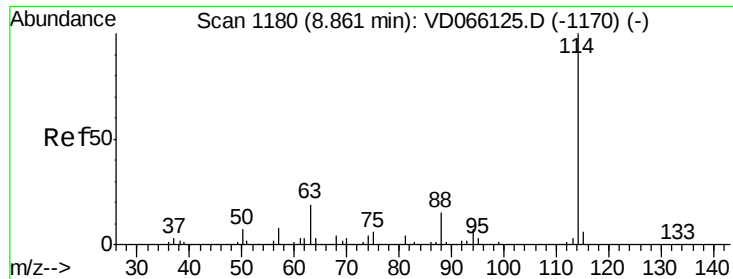
#33
1,2-Dichloroethane-d4
Concen: 47.026 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066255.D
Acq: 17 Aug 2020 14:00

Tgt Ion:	65	Resp:	117803
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

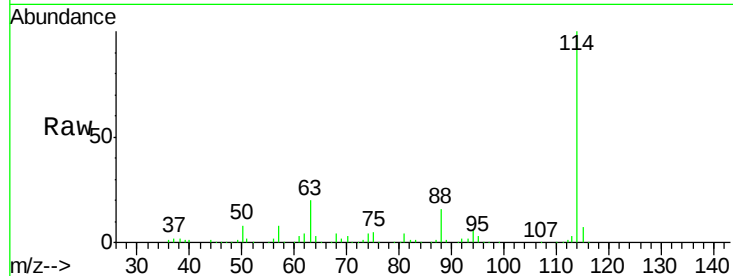




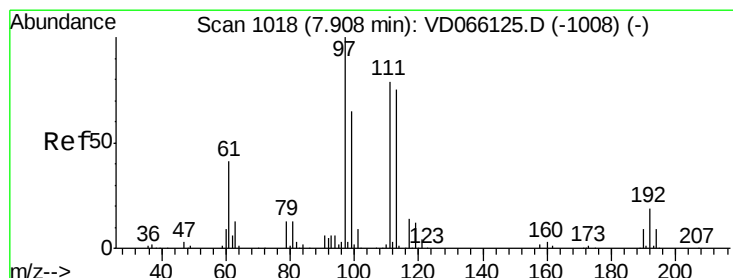
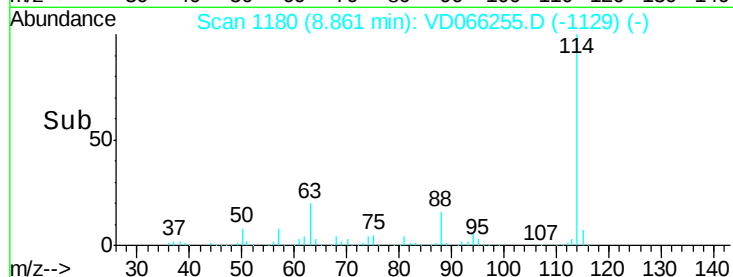
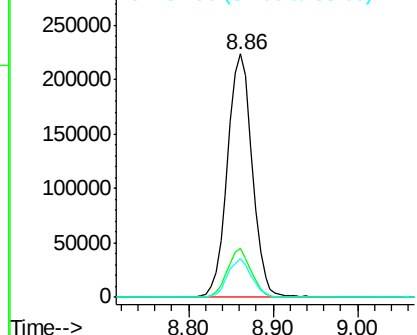
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066255.D
 Acq: 17 Aug 2020 14:00

Instrument :
 MSVOA_D
 ClientSampleId :
 24051

Tot Ion:114 Resp: 451444
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.6
 88 15.9 0.0 30.0

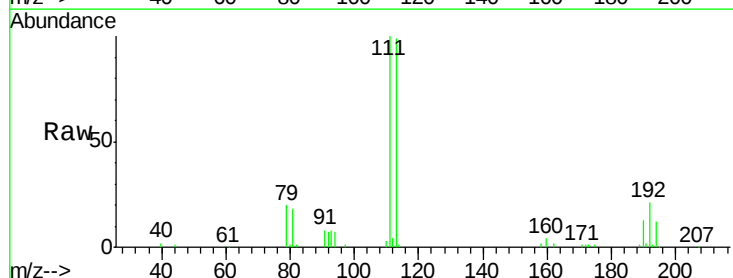


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

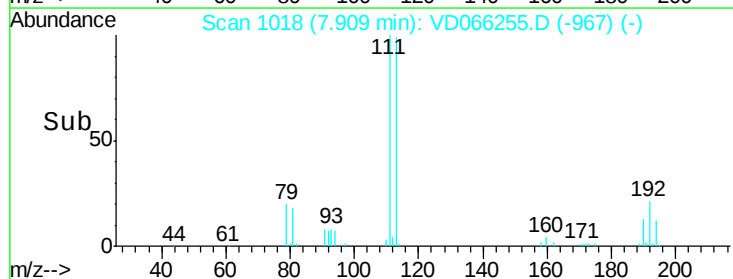
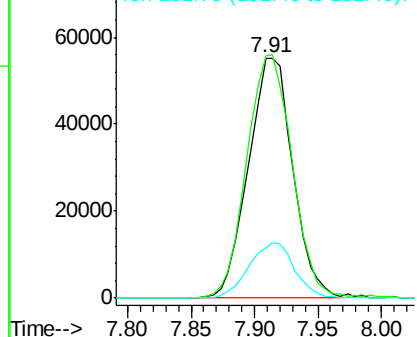


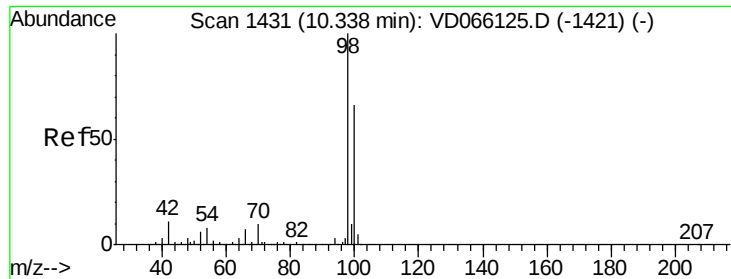
#35
 Dibromofluoromethane
 Concen: 47.035 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066255.D
 Acq: 17 Aug 2020 14:00

Tgt Ion:113 Resp: 134513
 Ion Ratio Lower Upper
 113 100
 111 104.0 80.7 121.1
 192 23.7 18.4 27.6



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

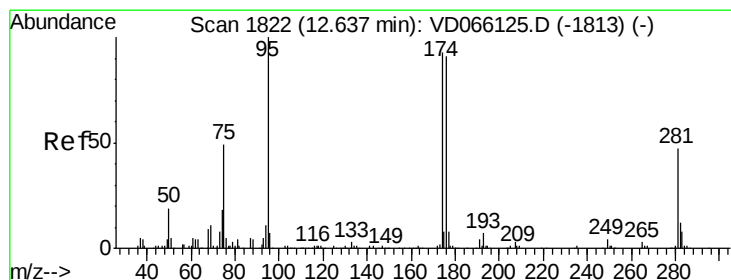
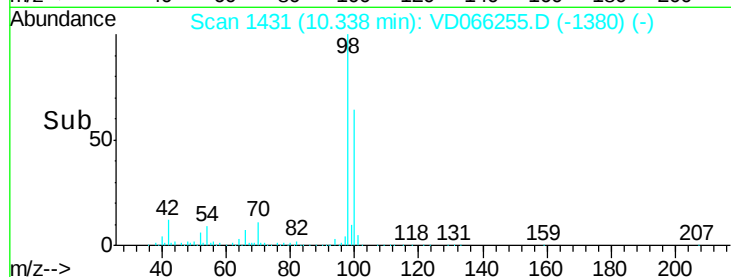
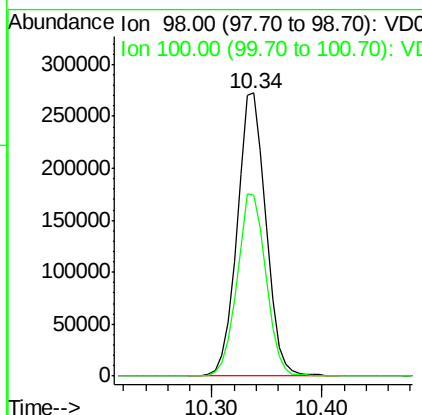
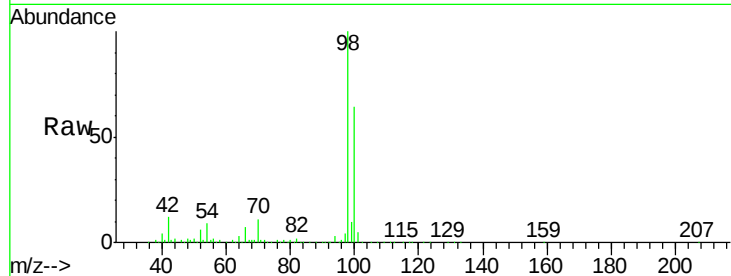




#50
Toluene-d8
Concen: 47.233 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066255.D
Acq: 17 Aug 2020 14:00

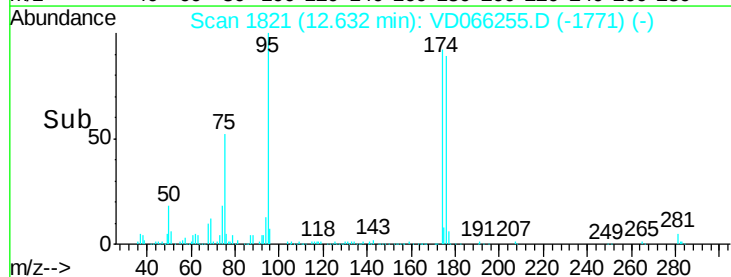
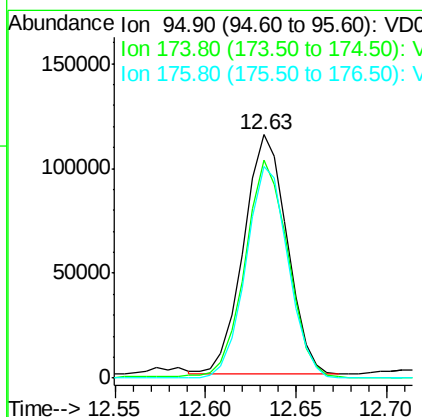
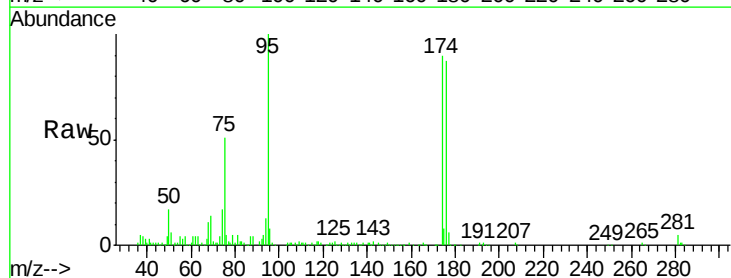
Instrument :
MSVOA_D
ClientSampleId :
24051

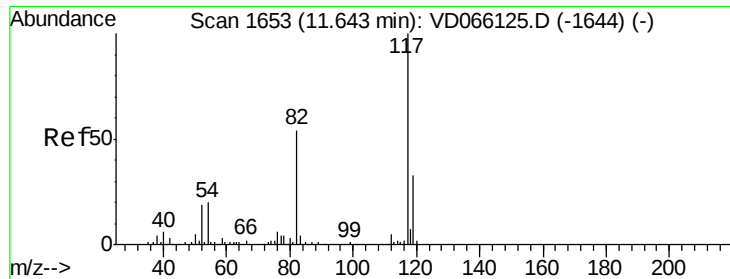
Tot Ion: 98 Resp: 498475
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 49.964 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066255.D
Acq: 17 Aug 2020 14:00

Tgt Ion: 95 Resp: 190070
Ion Ratio Lower Upper
95 100
174 91.0 0.0 180.8
176 86.4 0.0 181.2

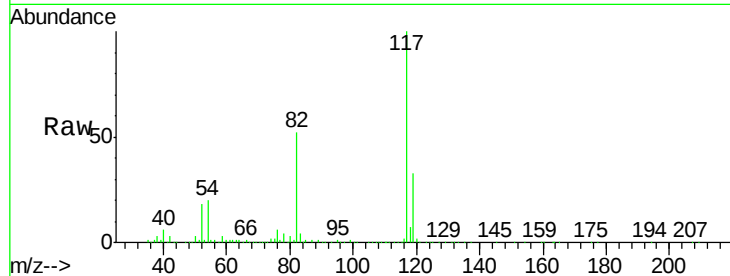




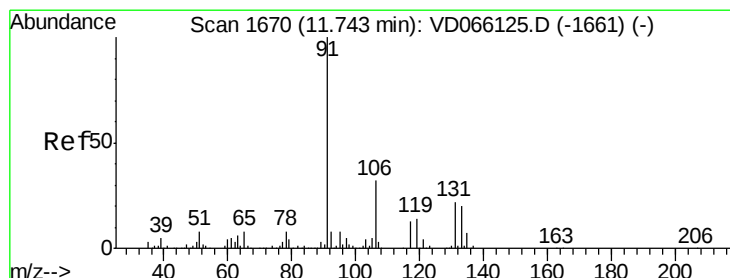
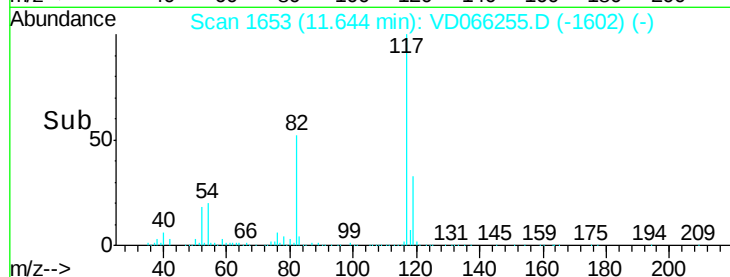
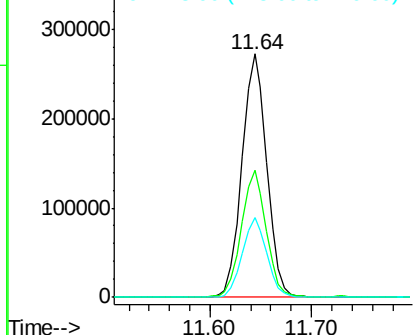
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066255.D
Acq: 17 Aug 2020 14:00

Instrument :
MSVOA_D
ClientSampleId :
24051

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.0	64.4
119	32.8	26.1	39.1

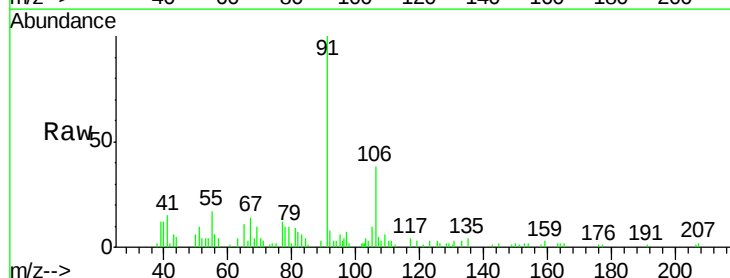


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

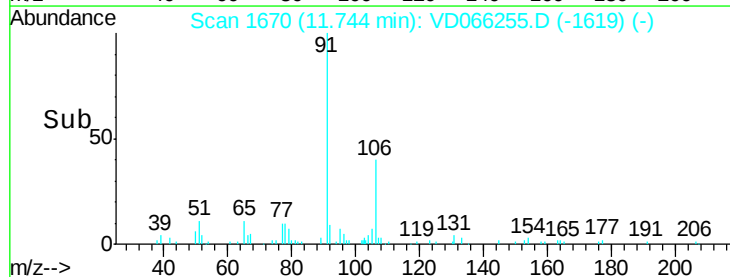
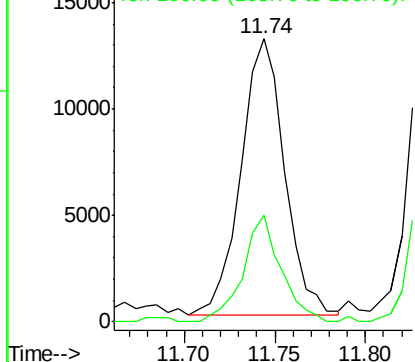


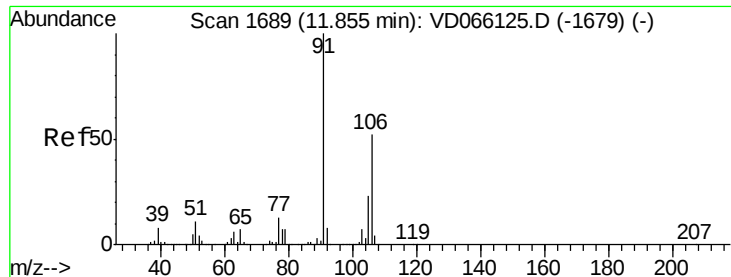
#67
Ethyl Benzene
Concen: 1.341 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066255.D
Acq: 17 Aug 2020 14:00

Tgt Ion	Ratio	Lower	Upper
91	100		
106	38.5	25.7	38.5#



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

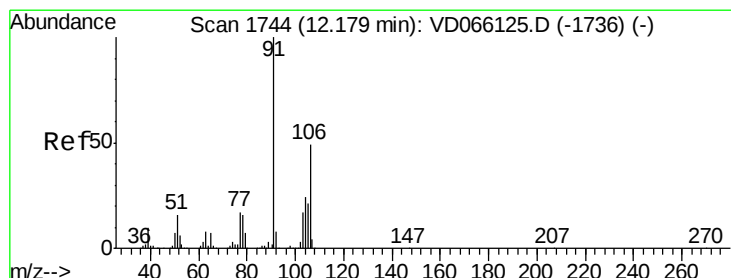
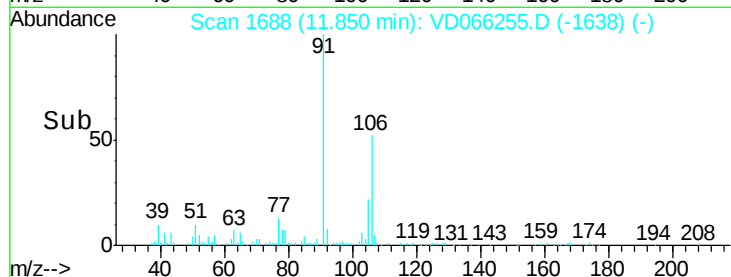
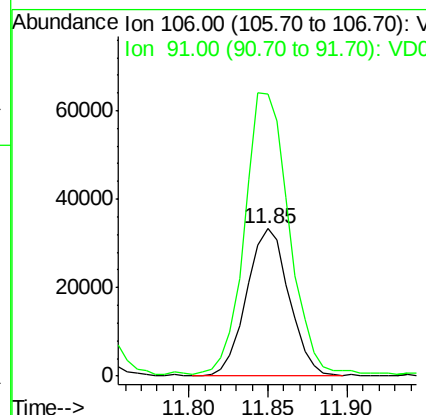
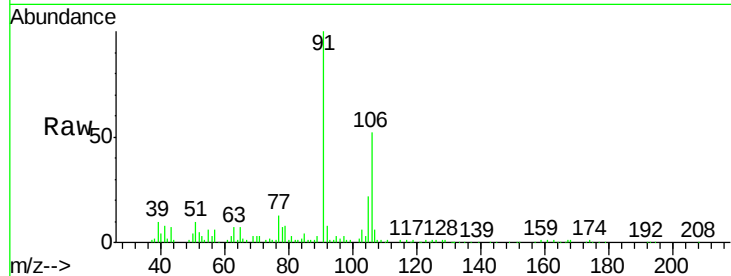




#68
m/p-Xylenes
Concen: 9.860 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066255.D
Acq: 17 Aug 2020 14:00

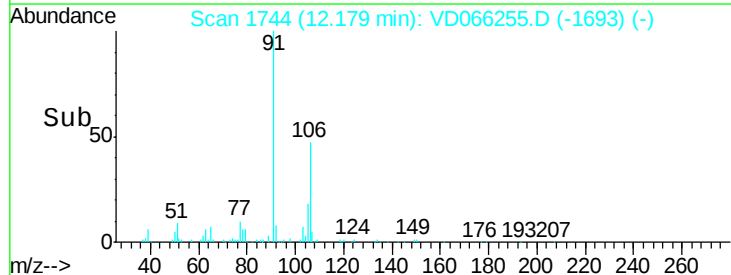
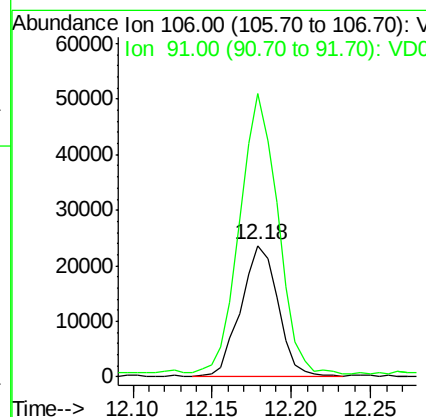
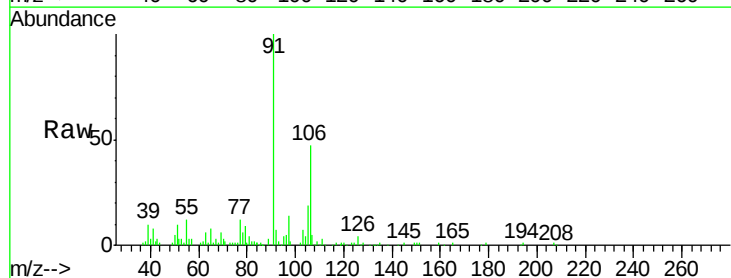
Instrument :
MSVOA_D
ClientSampleId :
24051

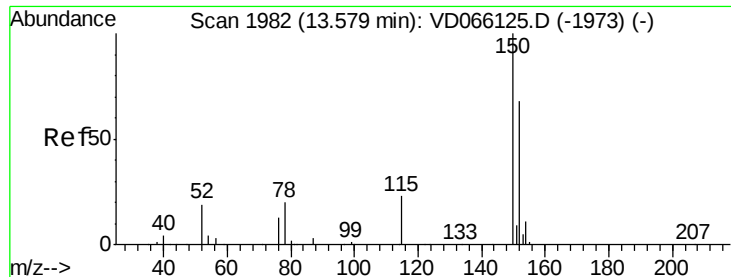
Tot Ion:106 Resp: 62191
Ion Ratio Lower Upper
106 100
91 199.1 156.6 235.0



#69
o-Xylene
Concen: 6.740 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066255.D
Acq: 17 Aug 2020 14:00

Tgt Ion:106 Resp: 38670
Ion Ratio Lower Upper
106 100
91 216.0 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066255.D

Acq: 17 Aug 2020 14:00

Instrument :

MSVOA_D

ClientSampleId :

24051

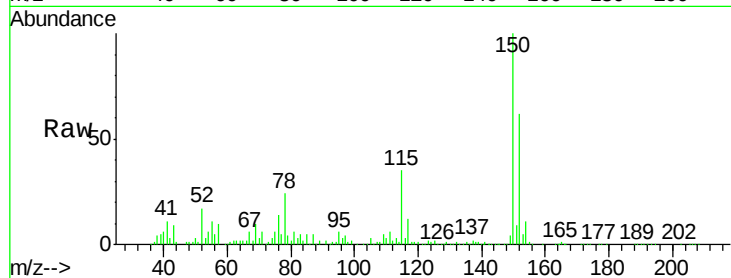
Tot Ion:152 Resp: 132313

Ion Ratio Lower Upper

152 100

115 59.4 28.0 83.9

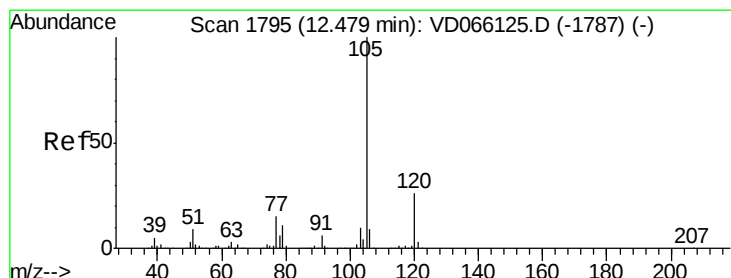
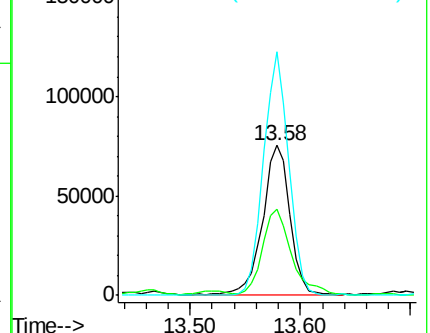
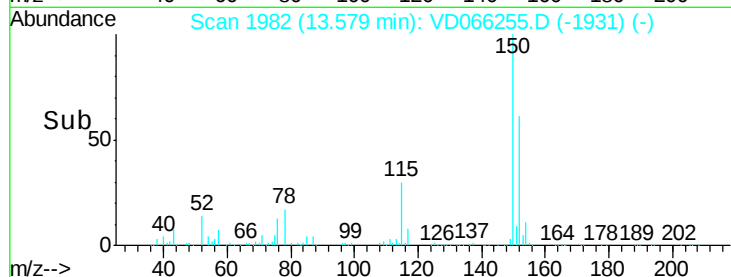
150 148.2 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.310 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066255.D

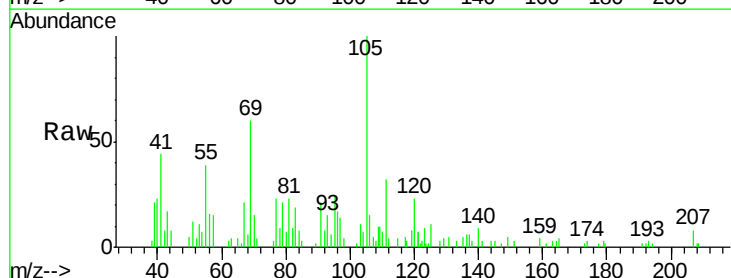
Acq: 17 Aug 2020 14:00

Tgt Ion:105 Resp: 11569

Ion Ratio Lower Upper

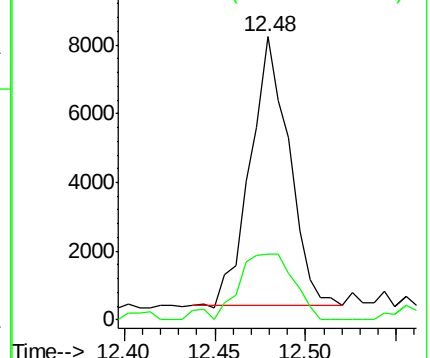
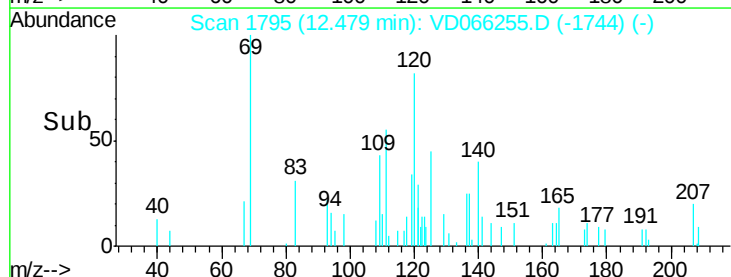
105 100

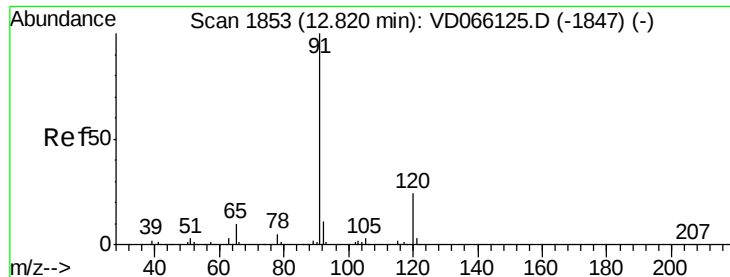
120 36.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.463 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066255.D

Acq: 17 Aug 2020 14:00

Instrument :

MSVOA_D

ClientSampleId :

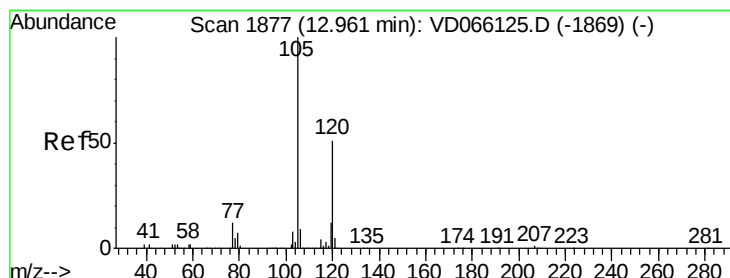
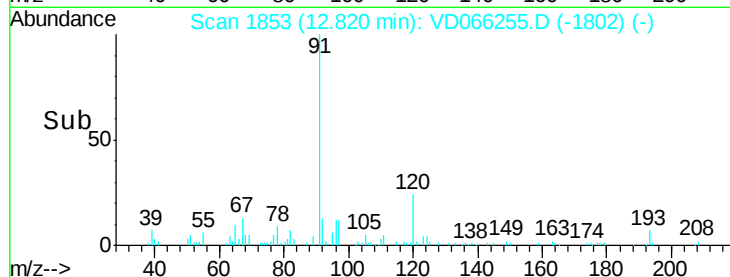
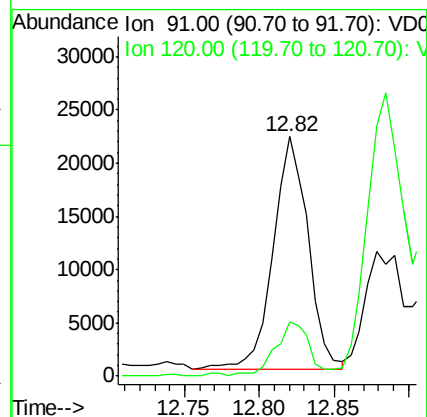
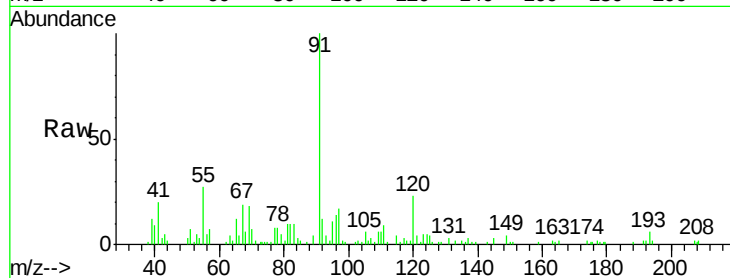
24051

Tot Ion: 91 Resp: 35555

Ion Ratio Lower Upper

91 100

120 23.1 12.0 36.0



#80

1,3,5-Trimethylbenzene

Concen: 11.146 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066255.D

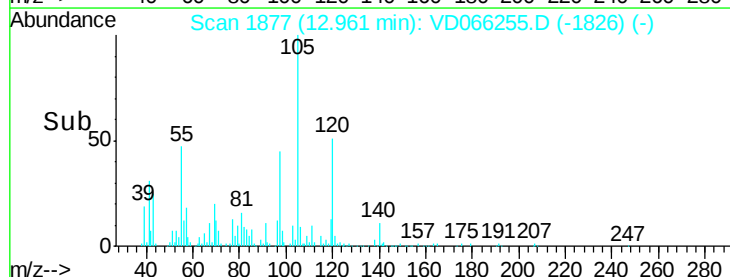
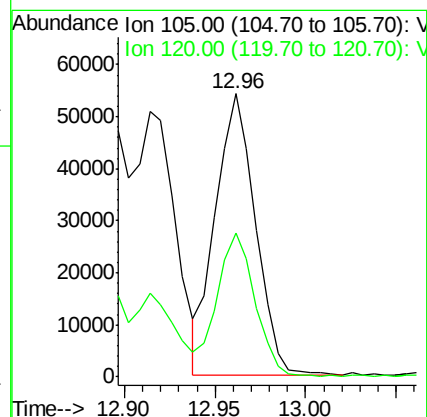
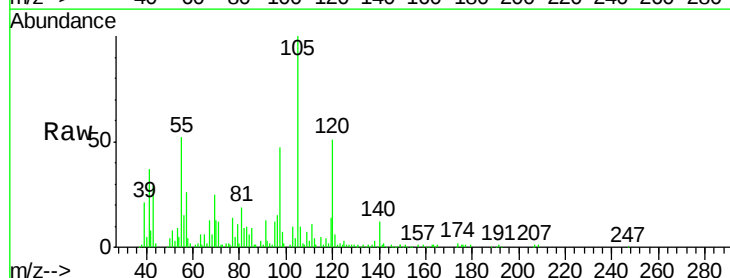
Acq: 17 Aug 2020 14:00

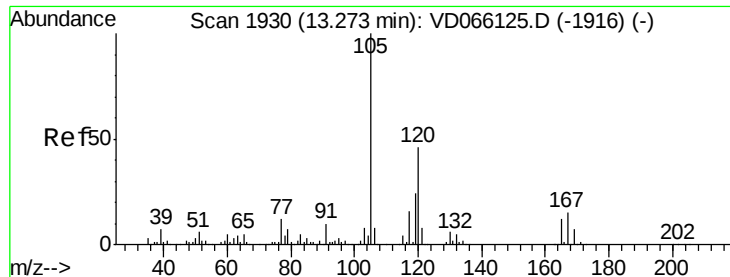
Tgt Ion:105 Resp: 82330

Ion Ratio Lower Upper

105 100

120 49.2 25.3 75.8





#84

1,2,4-Trimethylbenzene

Concen: 46.557 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD066255.D

Acq: 17 Aug 2020 14:00

Instrument :

MSVOA_D

ClientSampleId :

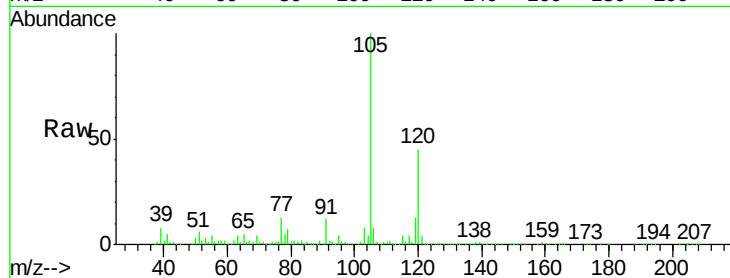
24051

Tot Ion:105 Resp: 344152

Ion Ratio Lower Upper

105 100

120 46.1 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

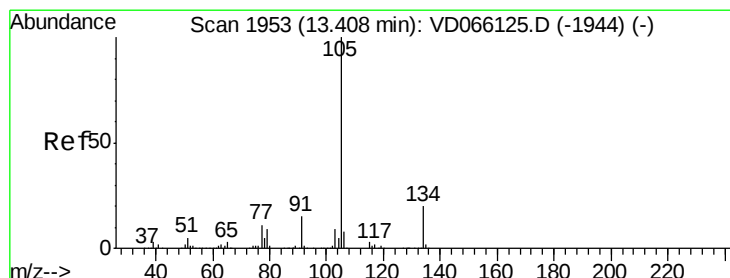
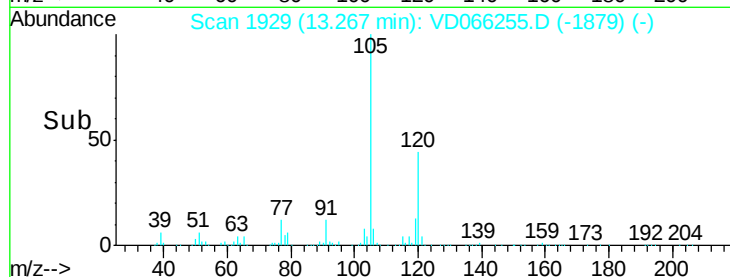
50000

0

13.27

13.30

Time-->



#85

sec-Butylbenzene

Concen: 3.179 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066255.D

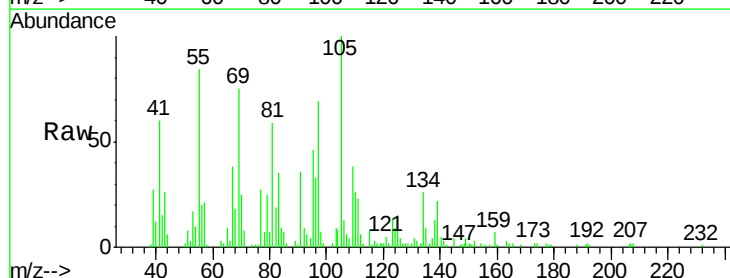
Acq: 17 Aug 2020 14:00

Tgt Ion:105 Resp: 27881

Ion Ratio Lower Upper

105 100

134 33.9 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

15000

10000

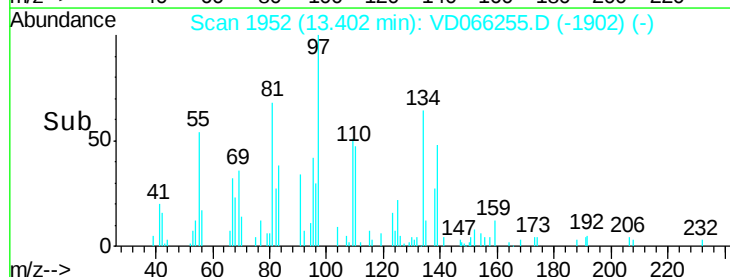
5000

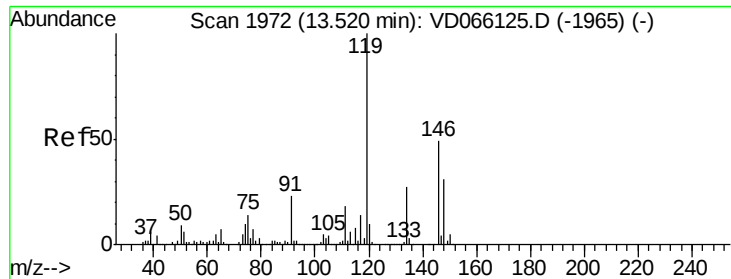
0

13.40

13.45

Time-->

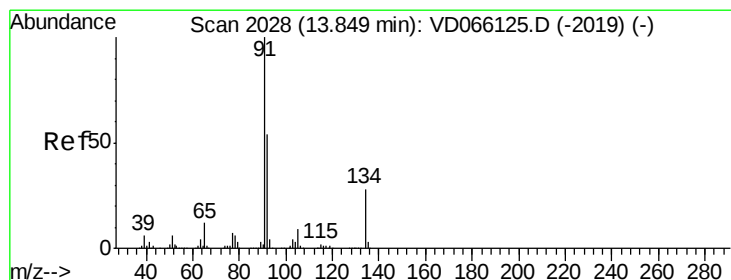
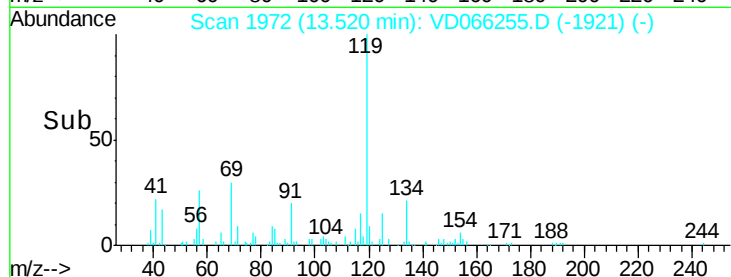
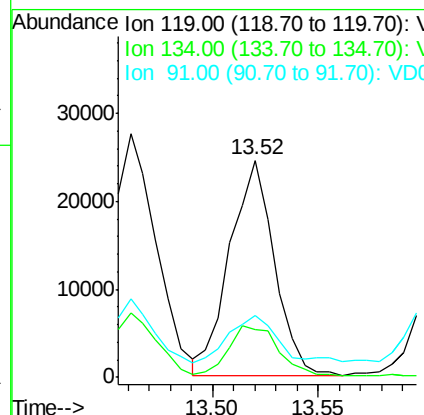
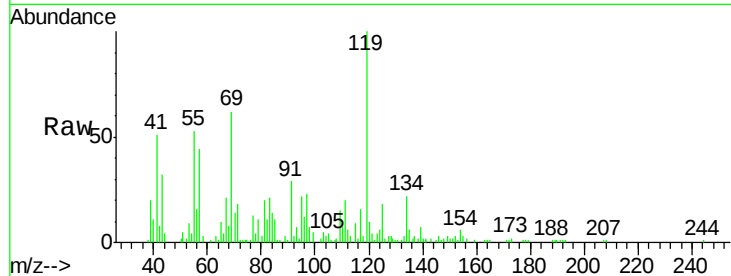




#86
p-Isopropyltoluene
Concen: 4.348 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD066255.D
Acq: 17 Aug 2020 14:00

Instrument :
MSVOA_D
ClientSampleID :
24051

Tot Ion: 119 Resp: 35768
Ion Ratio Lower Upper
119 100
134 26.1 13.5 40.4
91 22.4 11.2 33.5



#89
n-Butylbenzene
Concen: 7.209 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066255.D
Acq: 17 Aug 2020 14:00

Tgt Ion: 91 Resp: 53131
Ion Ratio Lower Upper
91 100
92 32.7 26.8 80.3
134 0.0 14.0 41.9#

