

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092920\
 Data File : VN063732.D
 Acq On : 29 Sep 2020 17:28
 Operator : JC/MD
 Sample : L4178-06DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6DL

Quant Time: Sep 30 01:42:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	236944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	433064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	438334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	203812	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	190254	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
35) Dibromofluoromethane	7.55	113	138553	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	
50) Toluene-d8	10.06	98	552751	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.38	95	228948	55.40	ug/l	0.00
Spiked Amount			Recovery	=	110.80%	

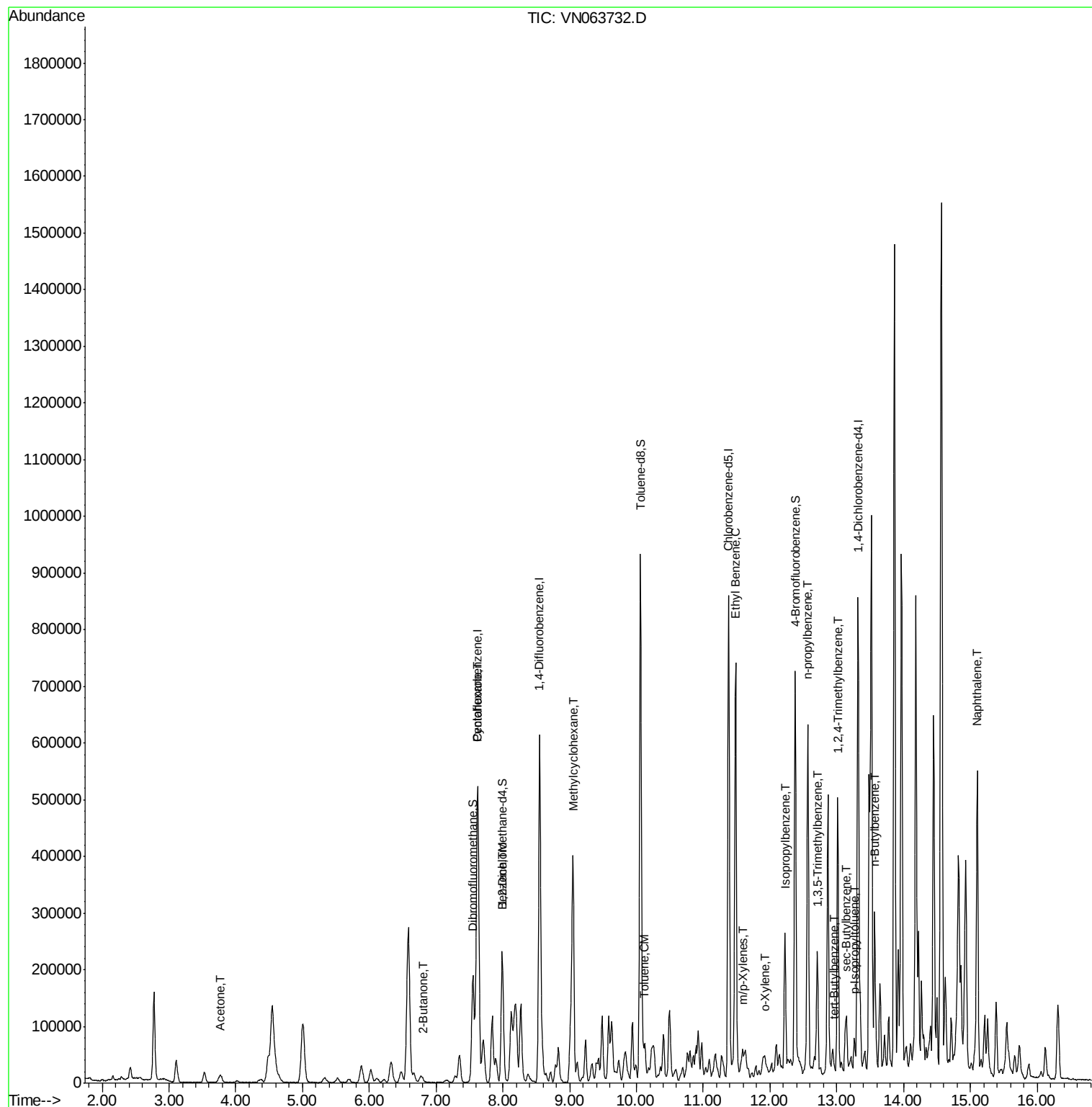
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.77	43	14388	11.100	ug/l #	87
25) 2-Butanone	6.80	43	5852	2.935	ug/l #	77
31) Cyclohexane	7.61	56	140734	25.264	ug/l	97
39) Methylcyclohexane	9.05	83	157871	31.528	ug/l	97
40) Benzene	8.00	78	32225	2.447	ug/l	98
52) Toluene	10.13	92	21825	2.756	ug/l	87
67) Ethyl Benzene	11.49	91	502041	28.652	ug/l	97
68) m/p-Xylenes	11.59	106	12728	2.015	ug/l	94
69) o-Xylene	11.92	106	6515	1.083	ug/l	97
73) Isopropylbenzene	12.23	105	153083	9.373	ug/l	97
78) n-propylbenzene	12.57	91	480069	25.237	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	101346	7.441	ug/l	99
83) tert-Butylbenzene	12.97	119	2675	0.238	ug/l	74
84) 1,2,4-Trimethylbenzene	13.02	105	264260	19.210	ug/l	99
85) sec-Butylbenzene	13.15	105	55436	3.684	ug/l #	66
86) p-Isopropyltoluene	13.26	119	23879	1.799	ug/l	98
89) n-Butylbenzene	13.57	91	44512	3.639	ug/l #	1
95) Naphthalene	15.10	128	416482	31.985	ug/l	99

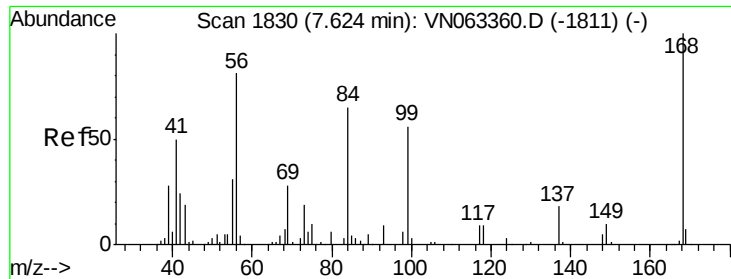
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

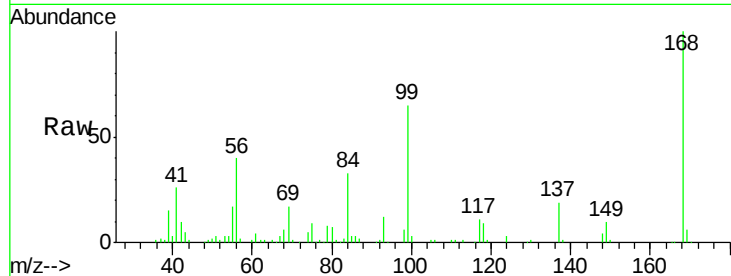
TP-6DL

Tot Ion:168 Resp: 236944

Ion Ratio Lower Upper

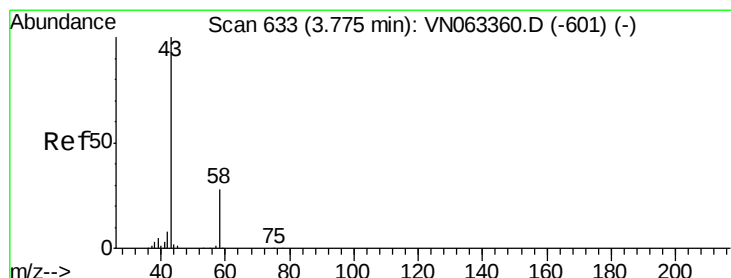
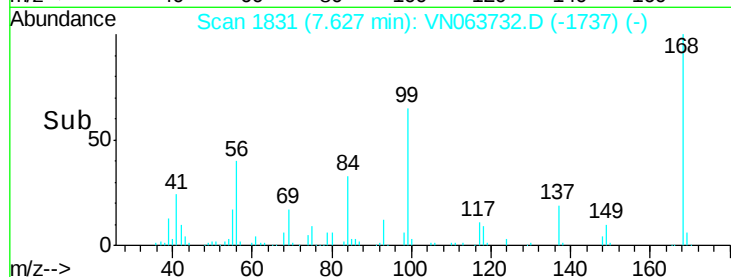
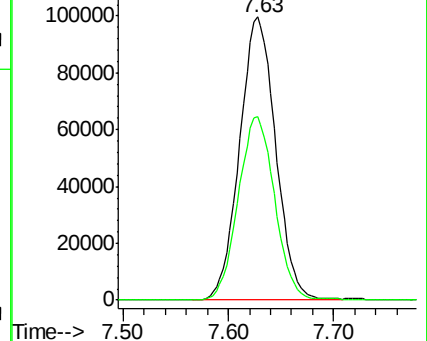
168 100

99 64.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 11.100 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN063732.D

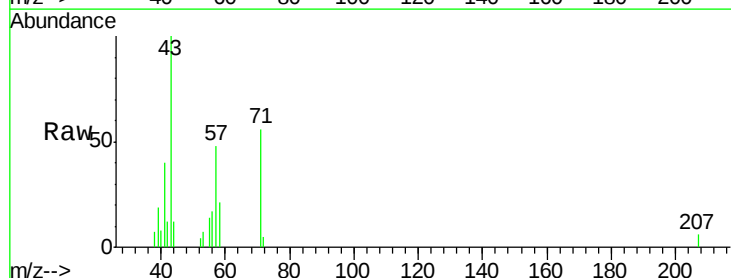
Acq: 29 Sep 2020 17:28

Tgt Ion: 43 Resp: 14388

Ion Ratio Lower Upper

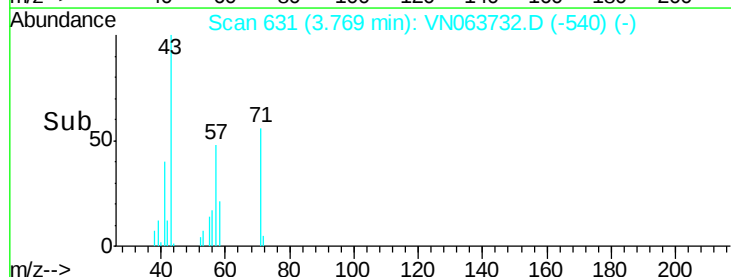
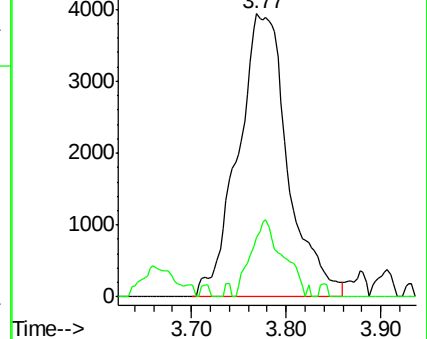
43 100

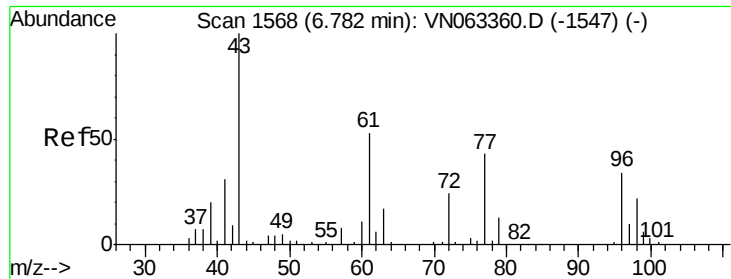
58 21.2 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

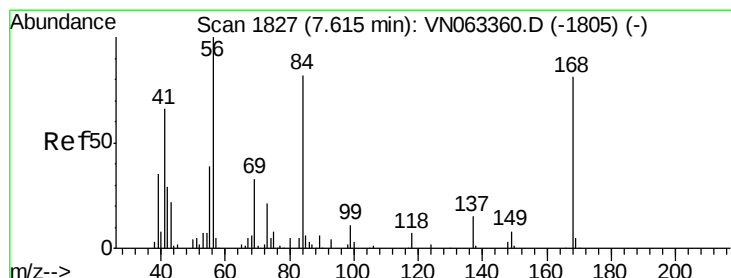
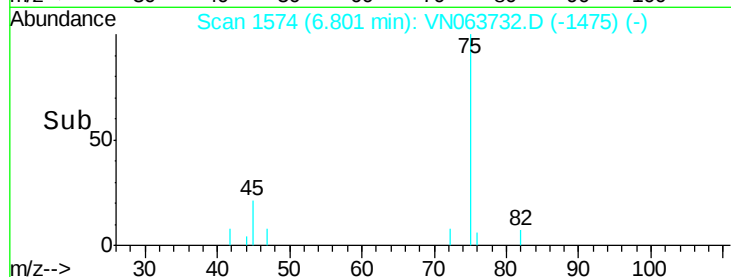
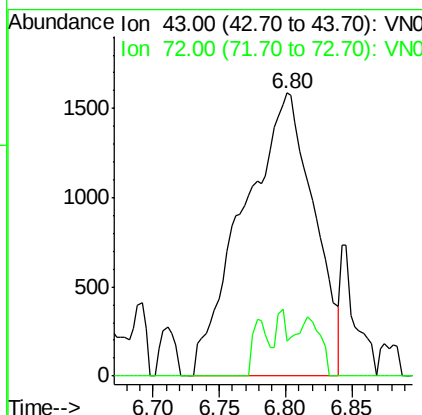
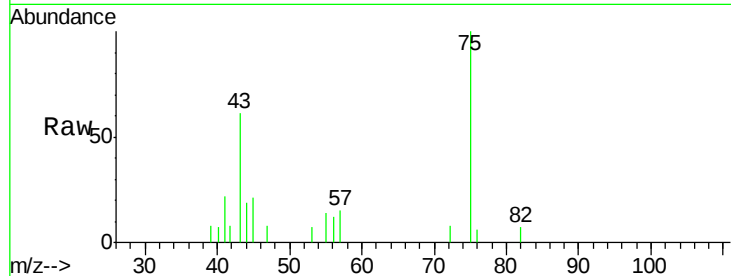




#25
2-Butanone
Concen: 2.935 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

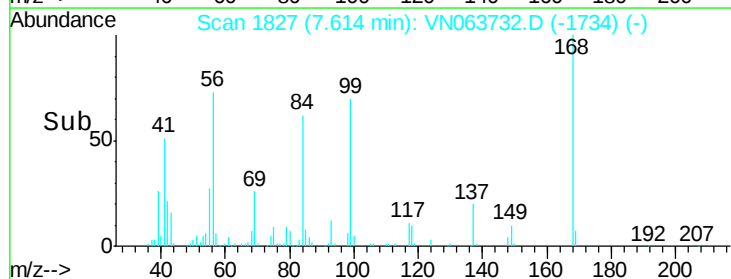
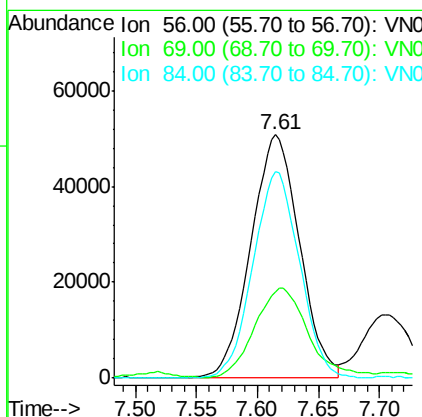
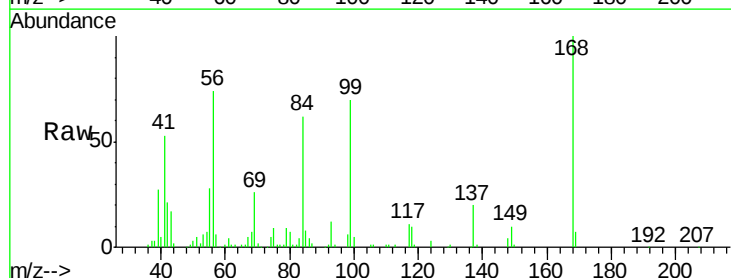
Instrument :
MSVOA_N
ClientSampled :
TP-6DL

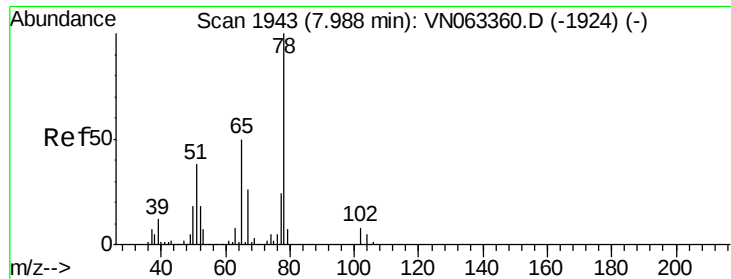
Tot Ion: 43 Resp: 5852
Ion Ratio Lower Upper
43 100
72 12.5 19.2 28.8#



#31
Cyclohexane
Concen: 25.264 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

Tgt Ion: 56 Resp: 140734
Ion Ratio Lower Upper
56 100
69 34.9 26.1 39.1
84 84.7 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 47.169 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

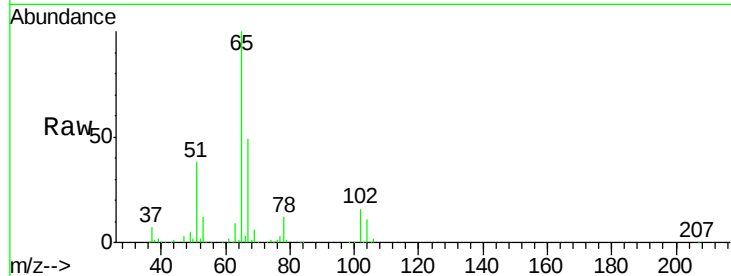
TP-6DL

Tot Ion: 65 Resp: 190254

Ion Ratio Lower Upper

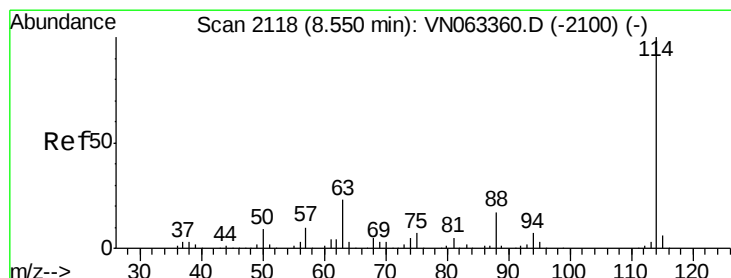
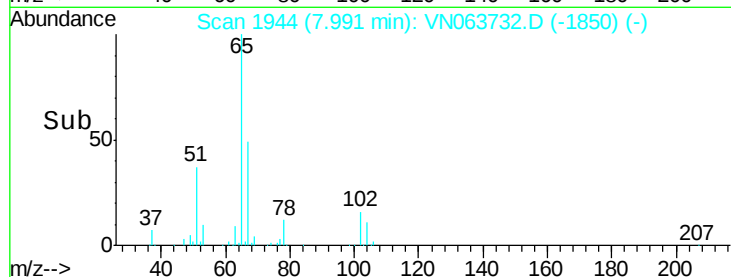
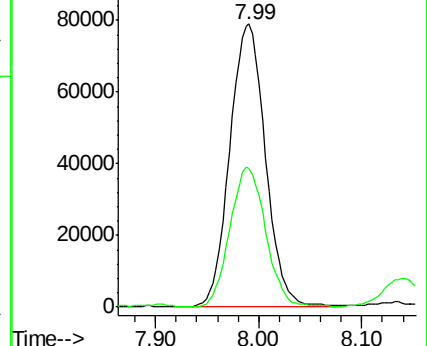
65 100

67 49.6 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

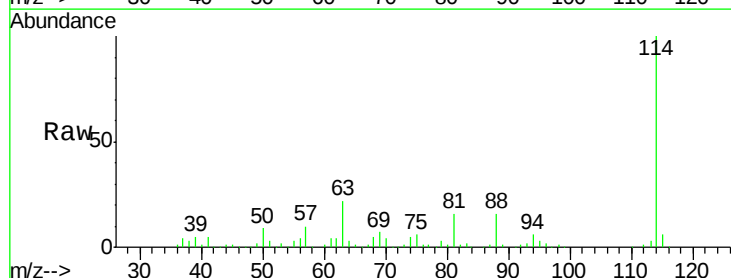
Tgt Ion: 114 Resp: 433064

Ion Ratio Lower Upper

114 100

63 22.1 0.0 46.4

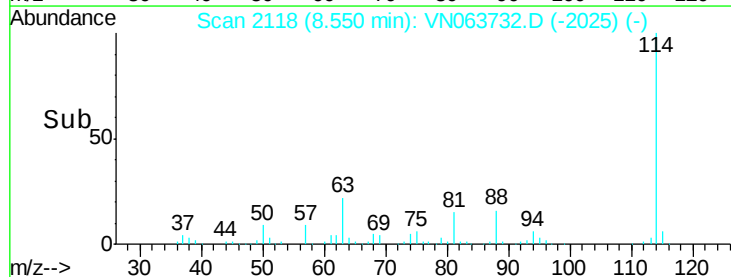
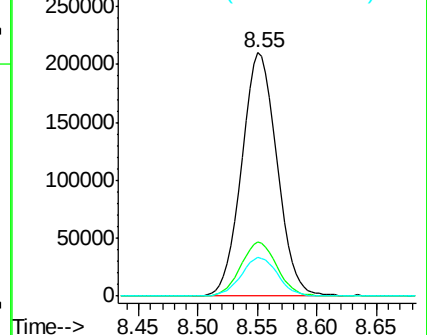
88 15.8 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

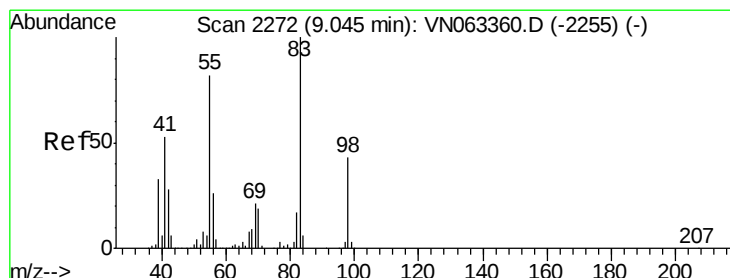
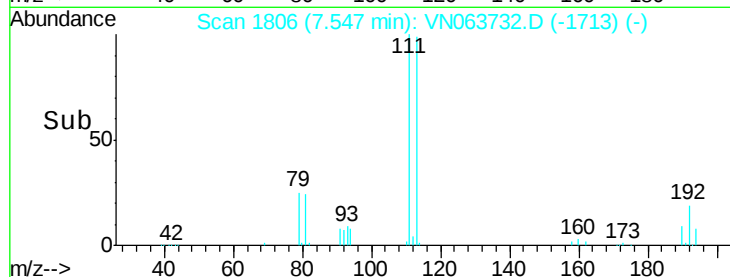
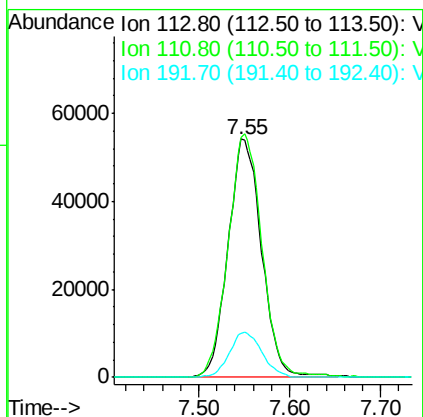
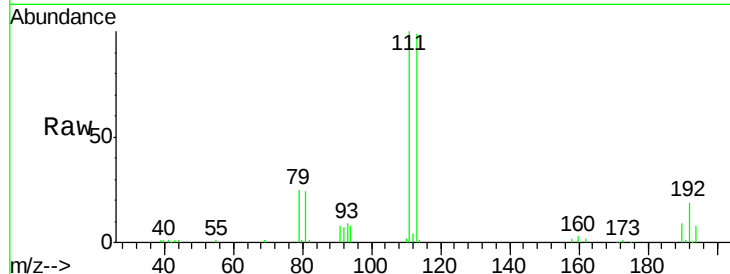




#35
Dibromofluoromethane
Concen: 46.215 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

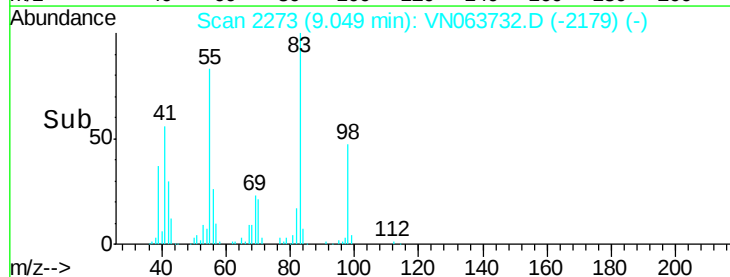
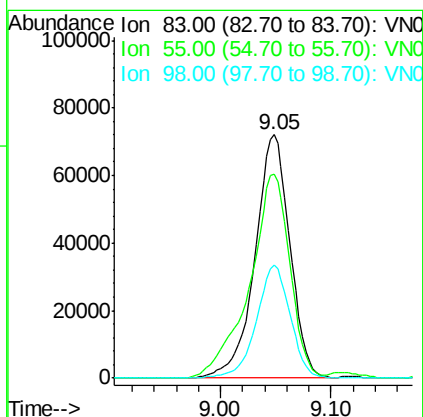
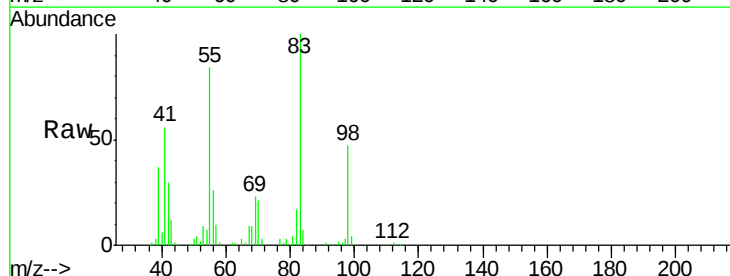
Instrument :
MSVOA_N
ClientSampled :
TP-6DL

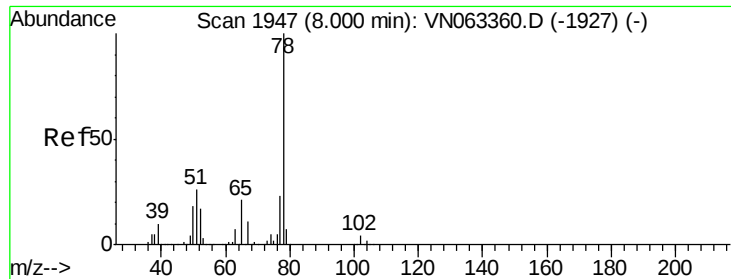
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	18.4	13.9	20.9



#39
Methylcyclohexane
Concen: 31.528 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.2	65.5	98.3
98	46.7	34.2	51.4





#40

Benzene

Concen: 2.447 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

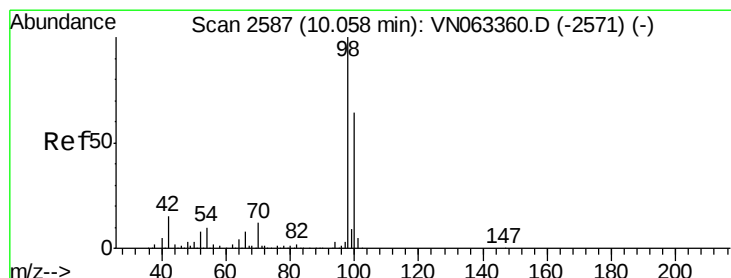
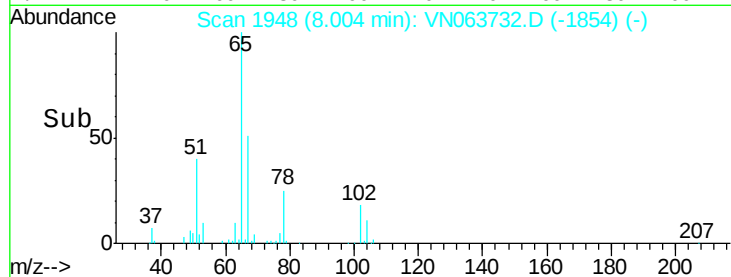
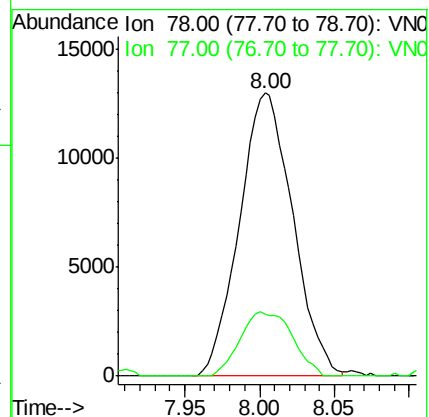
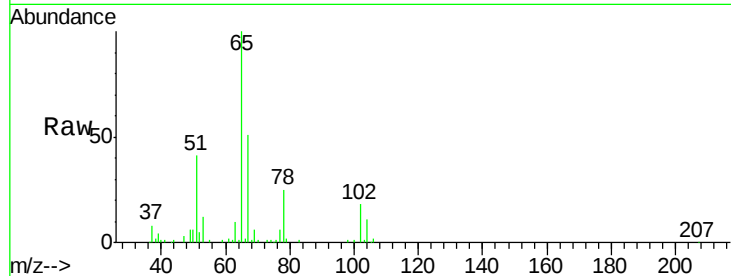
TP-6DL

Tot Ion: 78 Resp: 32225

Ion Ratio Lower Upper

78 100

77 22.1 18.3 27.5



#50

Toluene-d8

Concen: 49.033 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063732.D

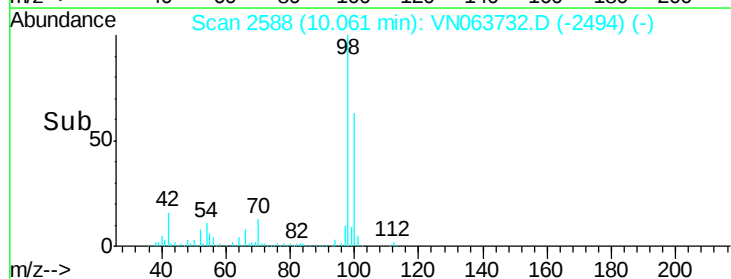
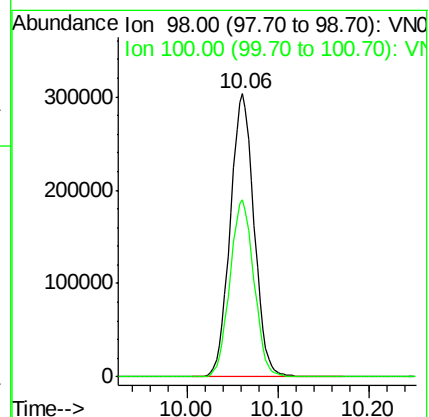
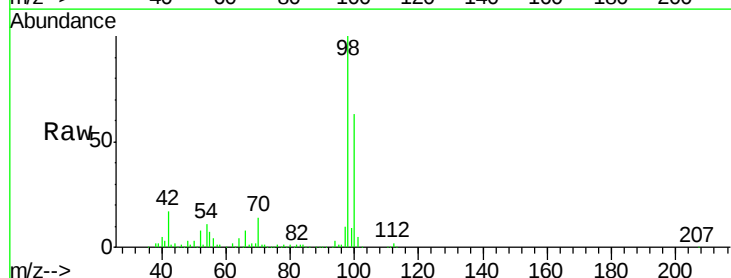
Acq: 29 Sep 2020 17:28

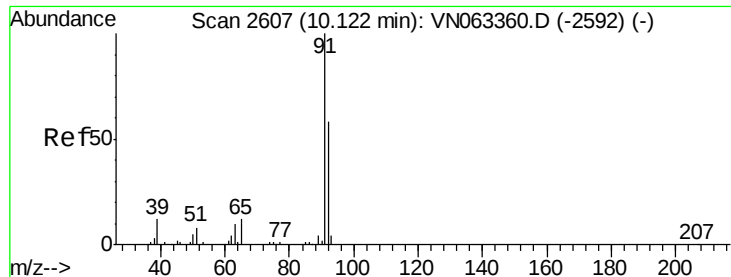
Tgt Ion: 98 Resp: 552751

Ion Ratio Lower Upper

98 100

100 62.9 50.7 76.1





#52

Toluene

Concen: 2.756 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

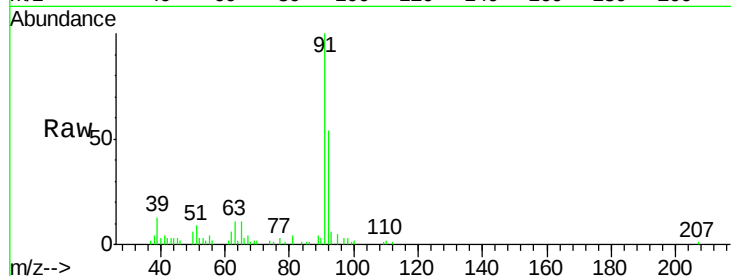
TP-6DL

Tot Ion: 92 Resp: 21825

Ion Ratio Lower Upper

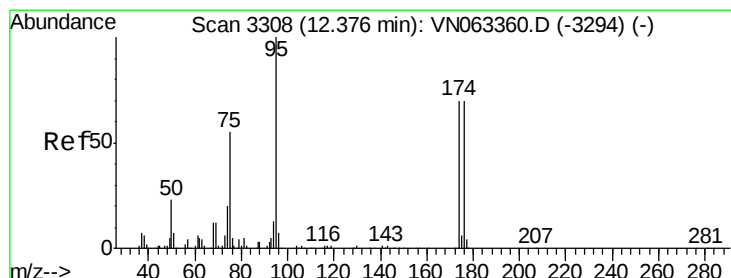
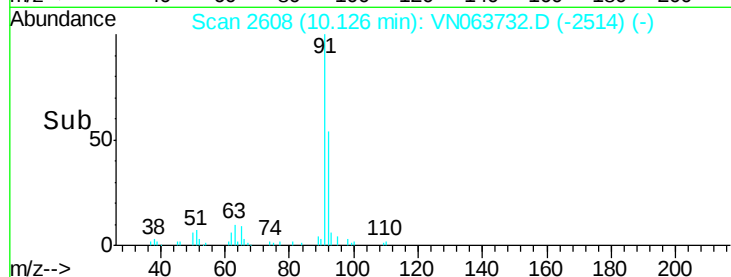
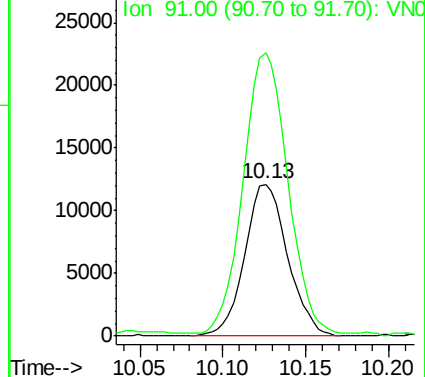
92 100

91 192.6 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN063732.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN063732.D (-2514) (-)



#62

4-Bromofluorobenzene

Concen: 55.402 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

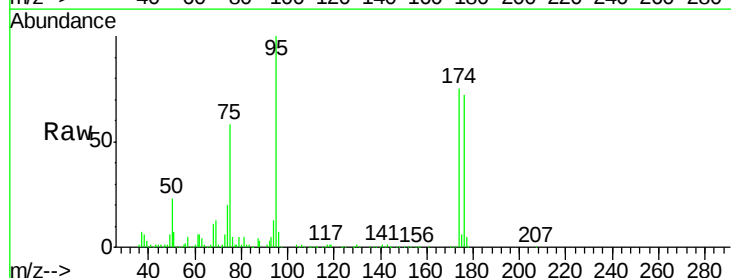
Tgt Ion: 95 Resp: 228948

Ion Ratio Lower Upper

95 100

174 74.7 0.0 140.8

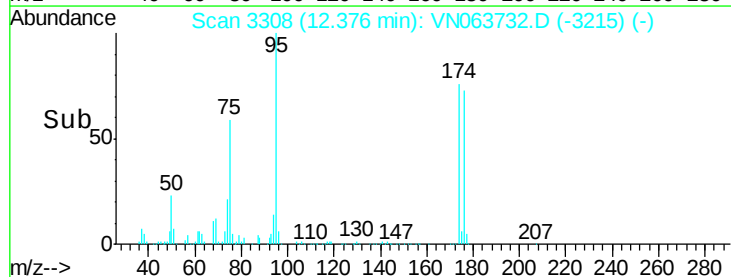
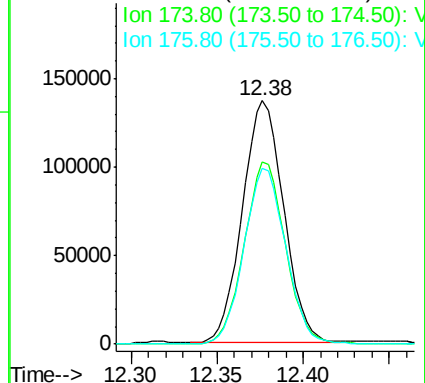
176 72.9 0.0 137.6

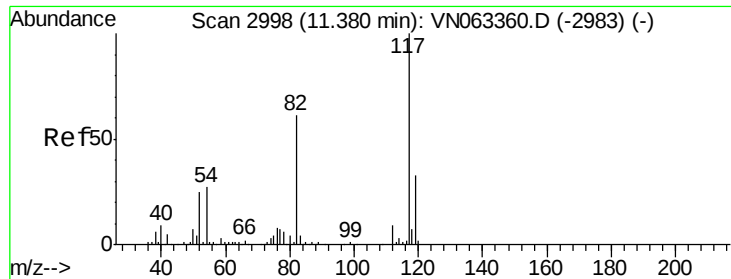


Abundance Ion 94.90 (94.60 to 95.60): VN063732.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063732.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063732.D (-3215) (-)

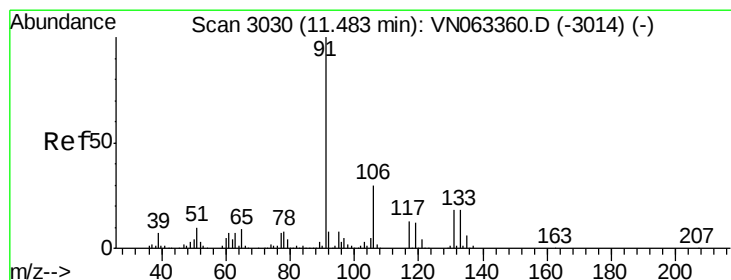
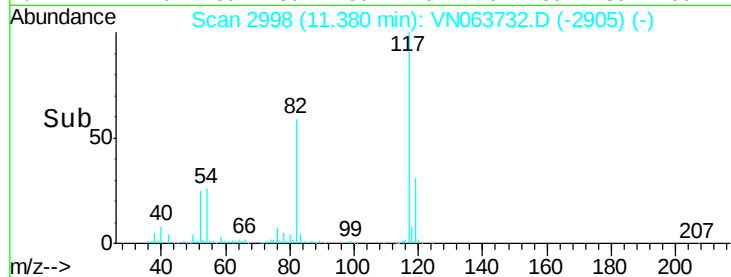
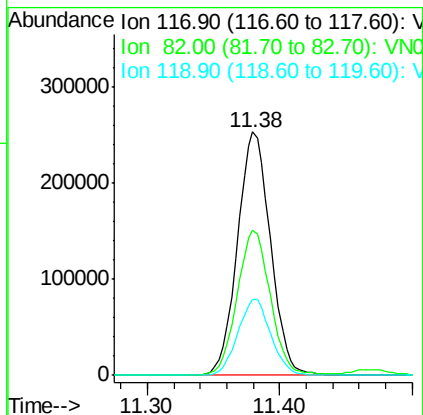
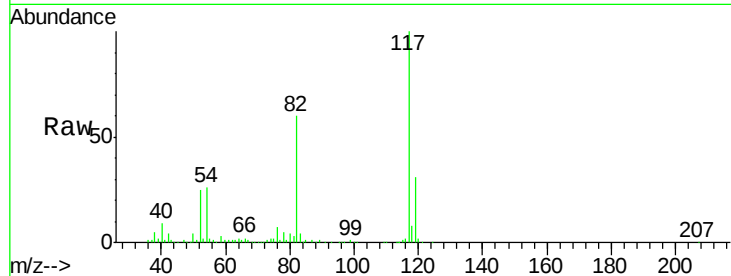




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

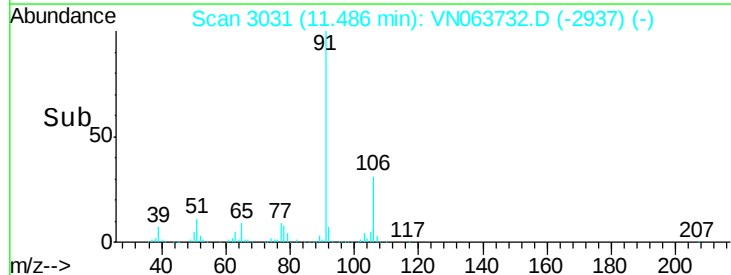
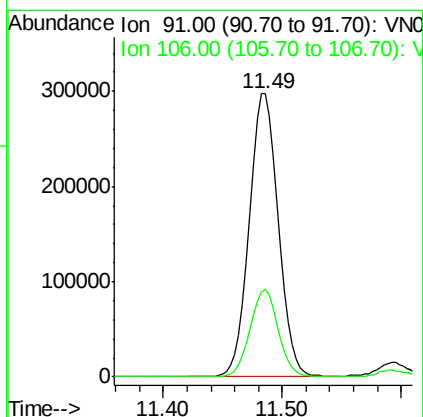
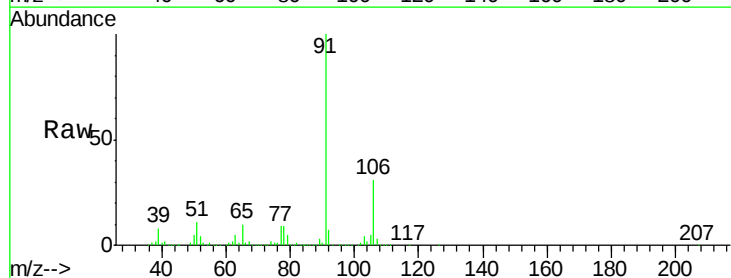
Instrument :
MSVOA_N
ClientSampleId :
TP-6DL

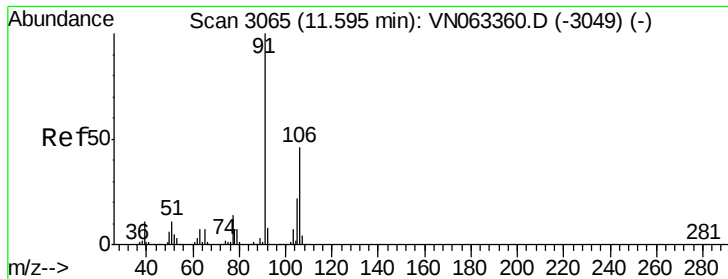
Tot Ion:117 Resp: 438334
Ion Ratio Lower Upper
117 100
82 59.5 49.2 73.8
119 31.0 26.2 39.4



#67
Ethyl Benzene
Concen: 28.652 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

Tgt Ion: 91 Resp: 502041
Ion Ratio Lower Upper
91 100
106 31.1 23.8 35.6





#68

m/p-Xylenes

Concen: 2.015 ug/l

RT: 11.59 min Scan# 3063

Delta R.T. -0.01 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

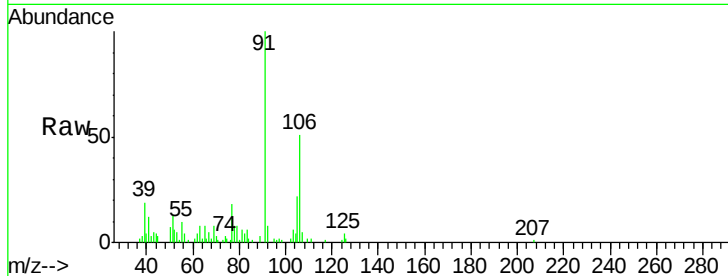
TP-6DL

Tot Ion:106 Resp: 12728

Ion Ratio Lower Upper

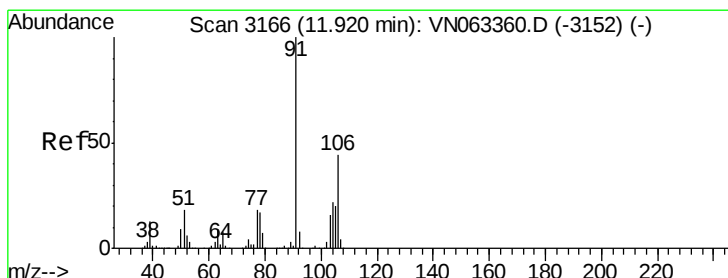
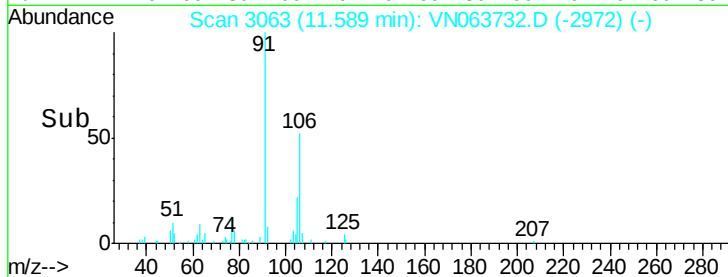
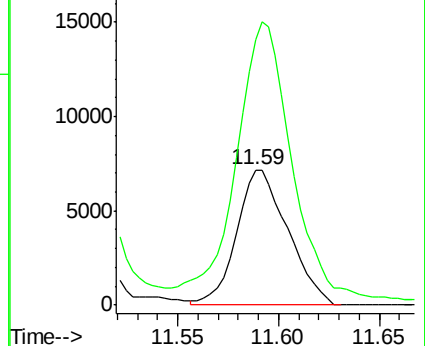
106 100

91 223.4 171.2 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 1.083 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN063732.D

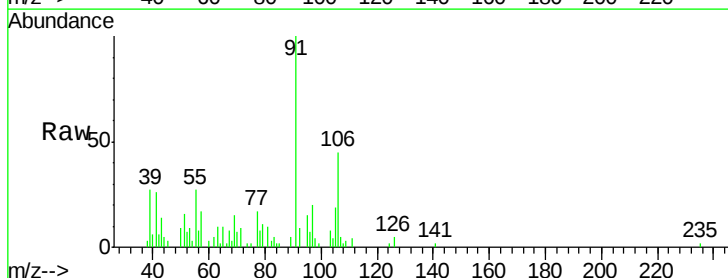
Acq: 29 Sep 2020 17:28

Tgt Ion:106 Resp: 6515

Ion Ratio Lower Upper

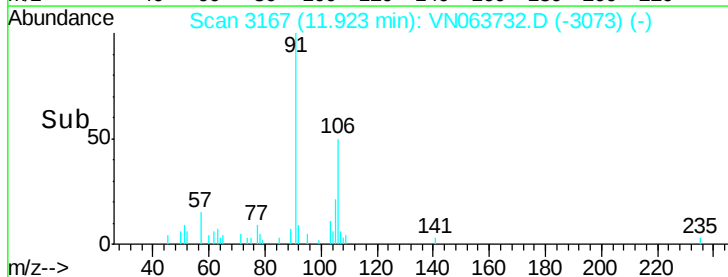
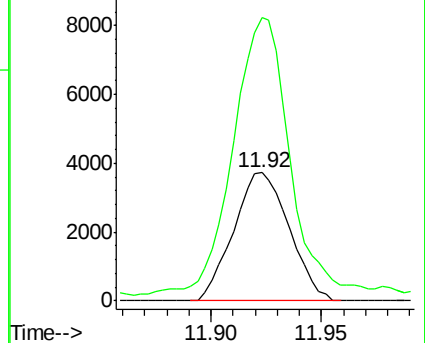
106 100

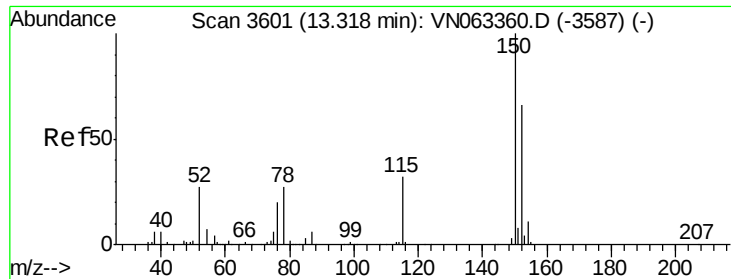
91 222.1 113.6 340.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

TP-6DL

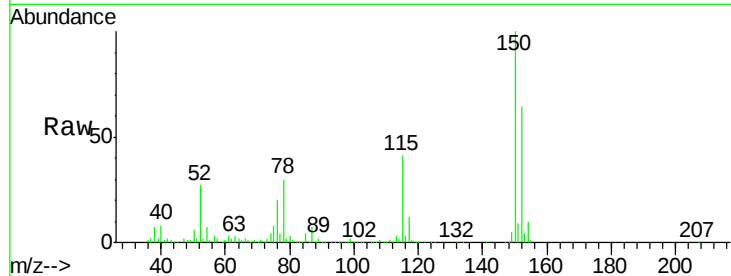
Tot Ion:152 Resp: 203812

Ion Ratio Lower Upper

152 100

115 62.6 32.2 96.6

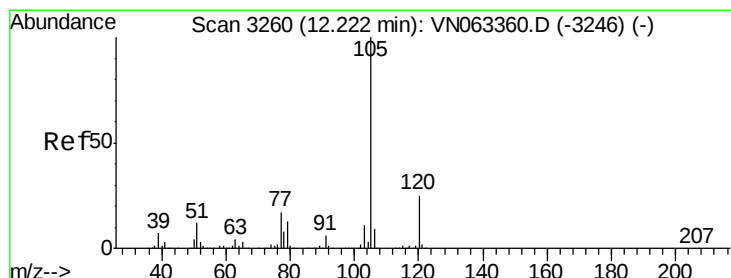
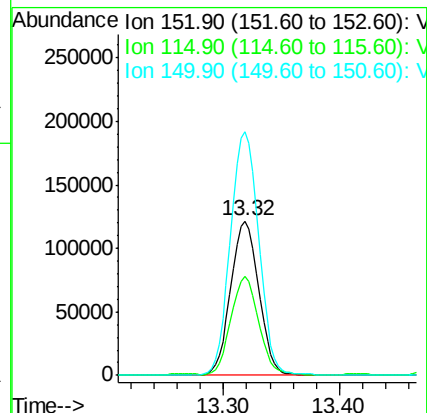
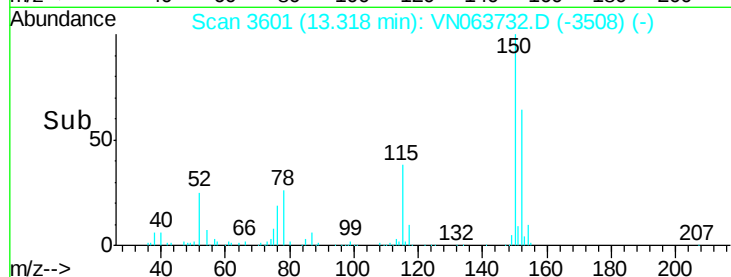
150 159.1 0.0 343.4



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: 9.373 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063732.D

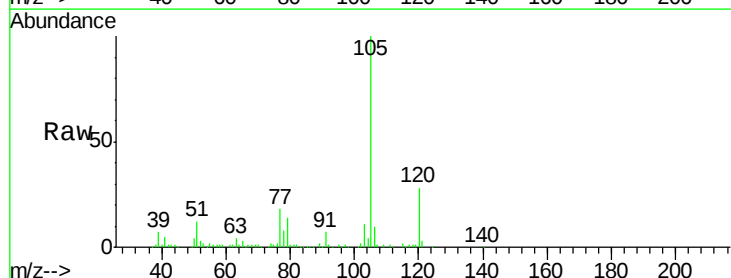
Acq: 29 Sep 2020 17:28

Tgt Ion:105 Resp: 153083

Ion Ratio Lower Upper

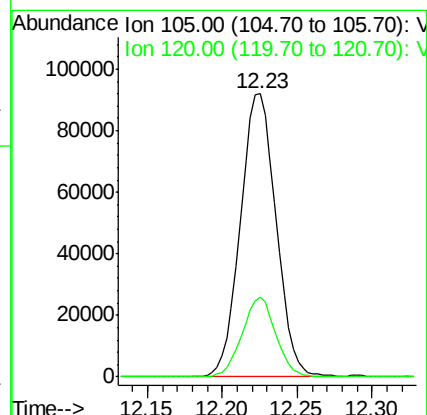
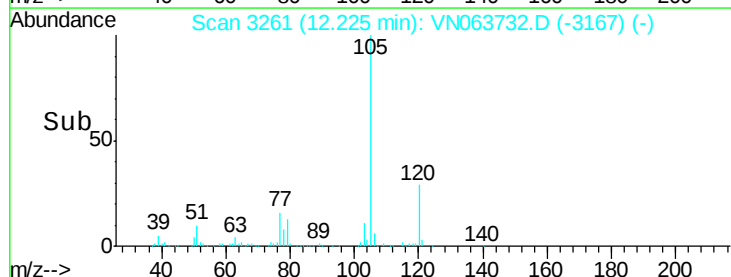
105 100

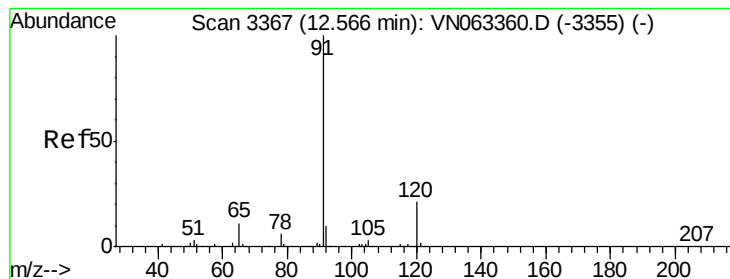
120 26.6 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 25.237 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

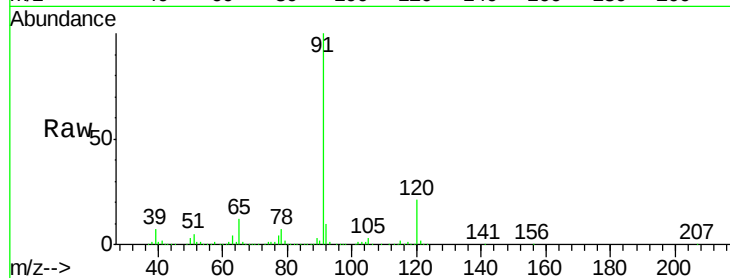
TP-6DL

Tot Ion: 91 Resp: 480069

Ion Ratio Lower Upper

91 100

120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN063732.D (-3274) (-)

Ion 120.00 (119.70 to 120.70): VN063732.D (-3274) (-)

12.57

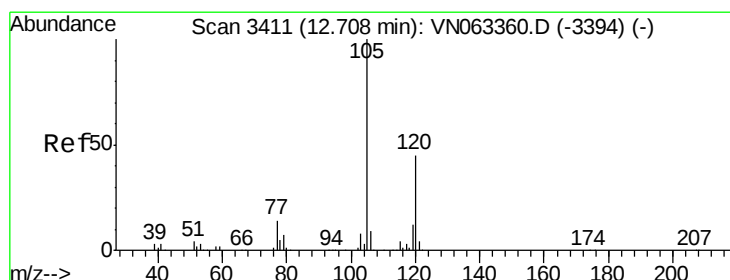
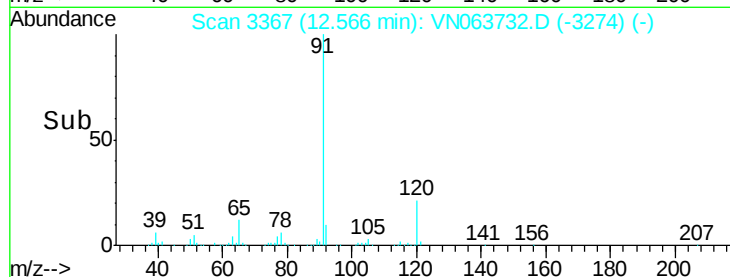
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 7.441 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063732.D

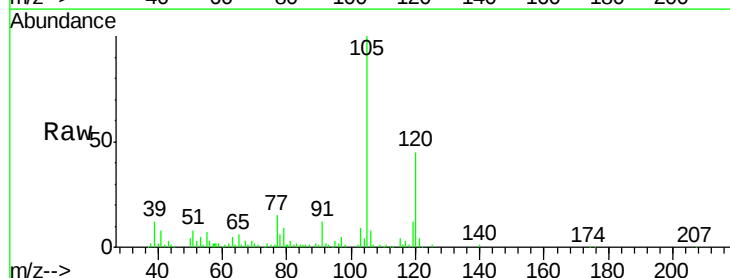
Acq: 29 Sep 2020 17:28

Tgt Ion: 105 Resp: 101346

Ion Ratio Lower Upper

105 100

120 46.7 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063732.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN063732.D (-3318) (-)

12.71

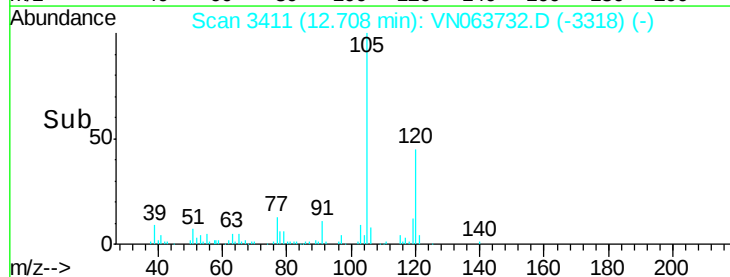
60000

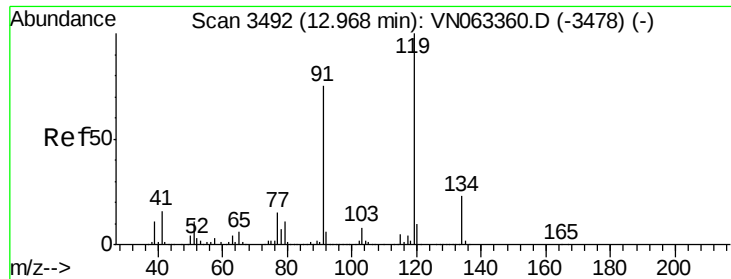
40000

20000

0

Time-->

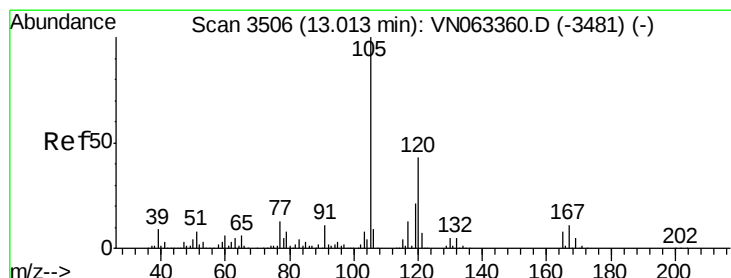
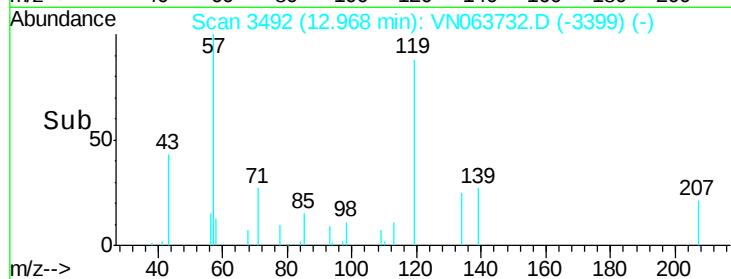
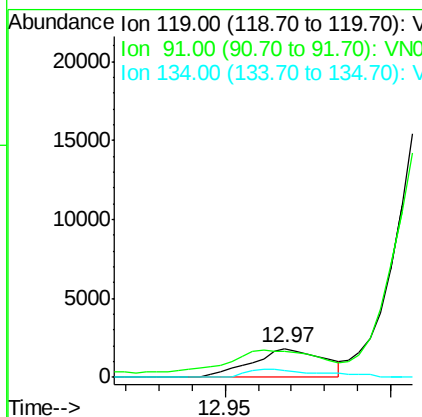
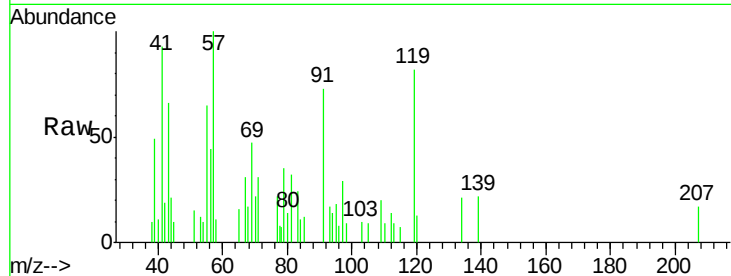




#83
tert-Butylbenzene
Concen: 0.238 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

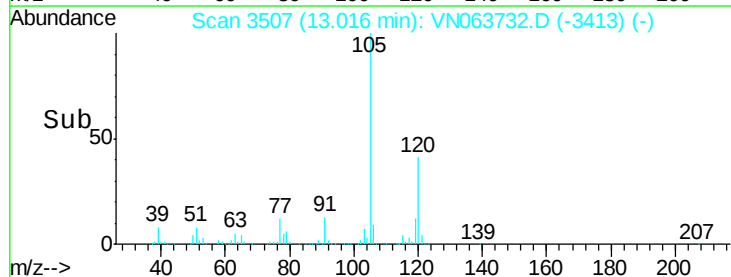
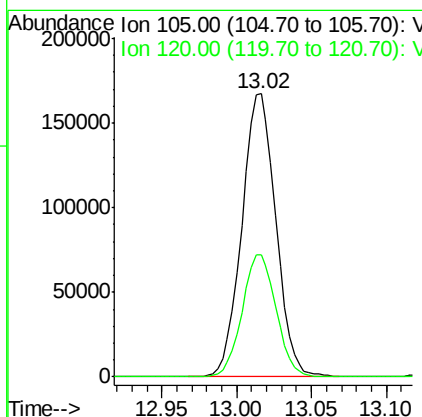
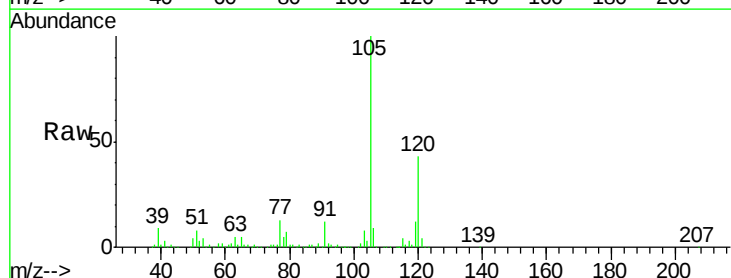
Instrument :
MSVOA_N
ClientSampled :
TP-6DL

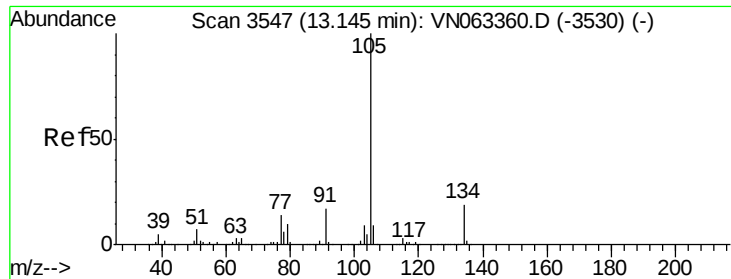
Tot Ion:119 Resp: 2675
Ion Ratio Lower Upper
119 100
91 98.2 36.3 108.9
134 31.1 12.3 36.8



#84
1,2,4-Trimethylbenzene
Concen: 19.210 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

Tgt Ion:105 Resp: 264260
Ion Ratio Lower Upper
105 100
120 43.3 21.3 63.9





#85

sec-Butylbenzene

Concen: 3.684 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

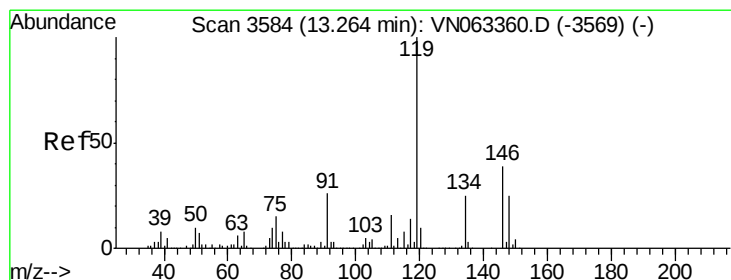
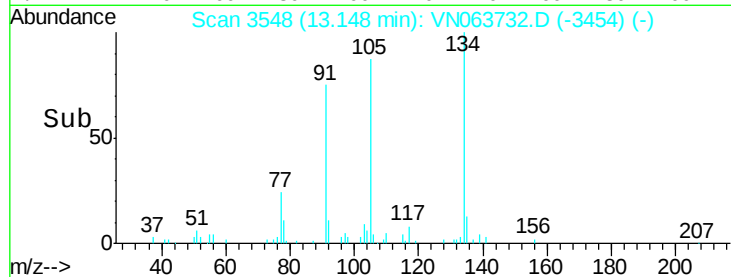
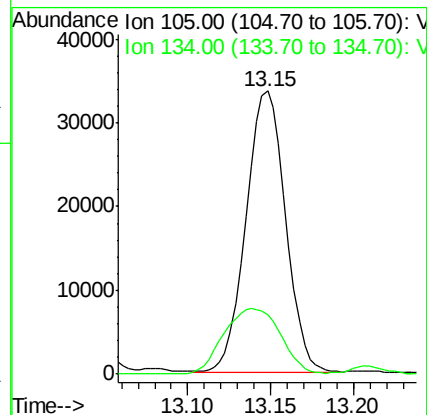
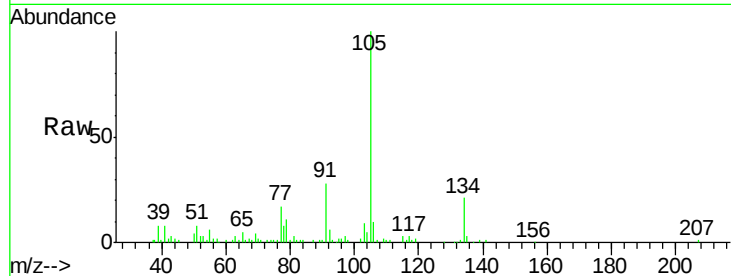
TP-6DL

Tot Ion:105 Resp: 55436

Ion Ratio Lower Upper

105 100

134 33.7 9.3 27.7#



#86

p-Isopropyltoluene

Concen: 1.799 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

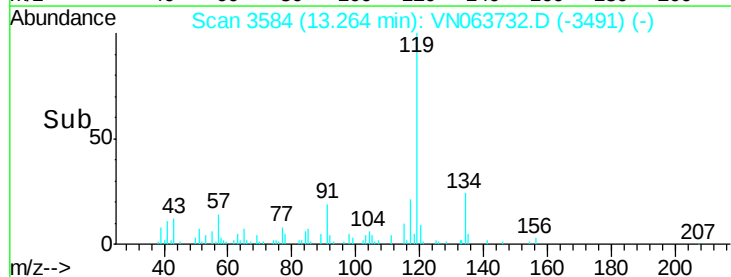
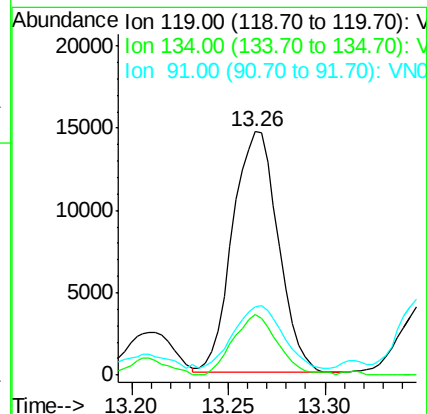
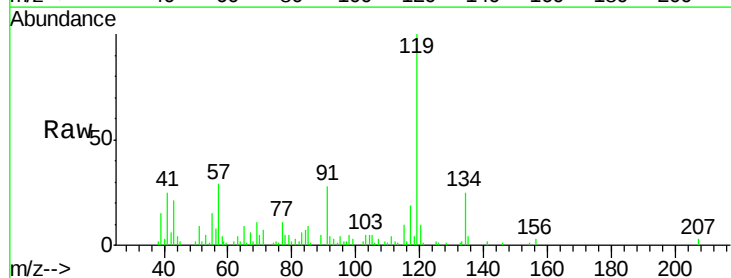
Tgt Ion:119 Resp: 23879

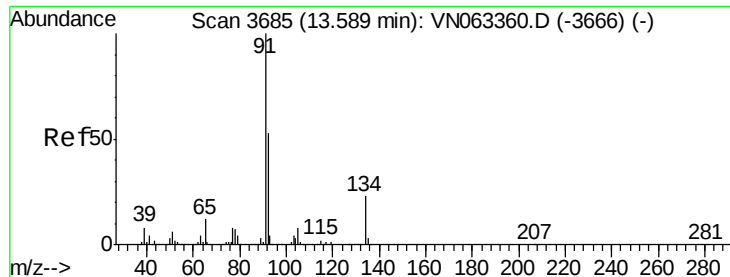
Ion Ratio Lower Upper

119 100

134 24.7 12.5 37.5

91 27.9 13.4 40.1

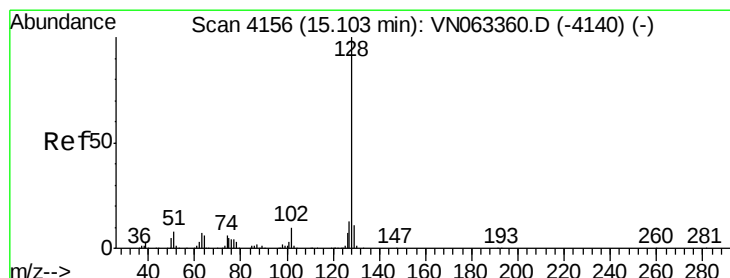
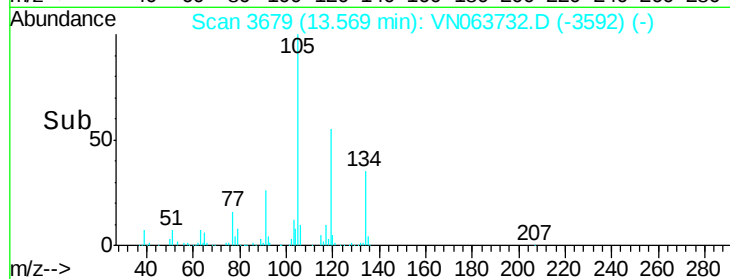
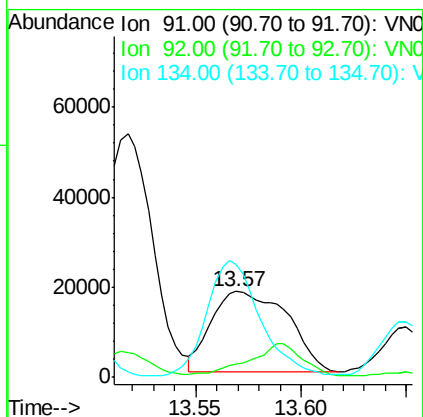
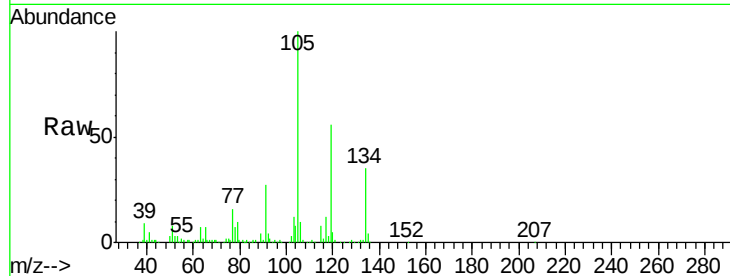




#89
n-Butylbenzene
Concen: 3.639 ug/l
RT: 13.57 min Scan# 3679
Delta R.T. -0.02 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
TP-6DL

Tot Ion: 91 Resp: 44512
Ion Ratio Lower Upper
91 100
92 0.0 26.0 78.0#
134 101.8 11.7 35.0#



#95
Naphthalene
Concen: 31.985 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

Tgt Ion: 128 Resp: 416482
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.6 8.8 13.2

