

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053058.D
 Acq On : 20 Dec 2018 15:54
 Operator : MD\SY
 Sample : J6411-09DL 100X
 Misc : 6.07g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-3A(17-18FT)1218DL

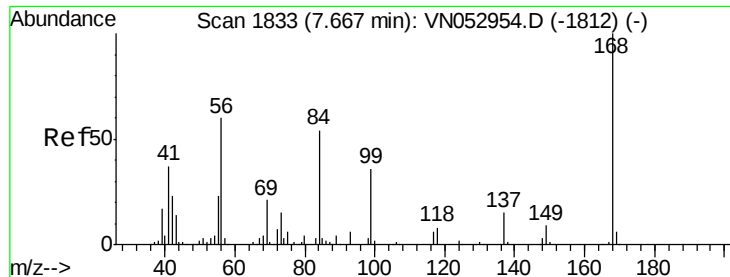
Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 9:21:24 AM

Quant Time: Dec 21 01:12:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1284358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1975499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1782278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	794810	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	628883	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	7.59	113	520230	57.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.30%	
50) Toluene-d8	10.09	98	2411260	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	836167	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.08	83	6774	0.294	ug/l	92
67) Ethyl Benzene	11.51	91	25524	0.376	ug/l	100
68) m/p-Xylenes	11.63	106	68747	2.662	ug/l	100
73) Isopropylbenzene	12.25	105	135141	2.173	ug/l	98
78) n-propylbenzene	12.59	91	376330	5.313	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	543585	10.724	ug/l	99
83) tert-Butylbenzene	12.99	119	30494	0.680	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2024904	39.739	ug/l	99
85) sec-Butylbenzene	13.17	105	219437	3.619	ug/l #	77
86) p-Isopropyltoluene	13.29	119	203043	3.875	ug/l	99
89) n-Butylbenzene	13.62	91	193163m	4.285	ug/l	
95) Naphthalene	15.13	128	33394	2.191	ug/l #	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-3A(17-18FT)1218DL

Tot Ion:168 Resp: 1284358

Ion Ratio Lower Upper

168 100

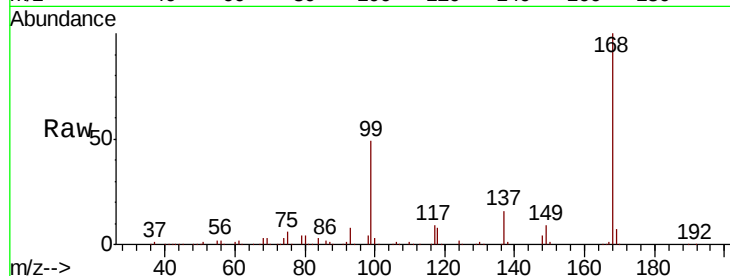
99 49.3 40.2 60.2

Manual Integrations

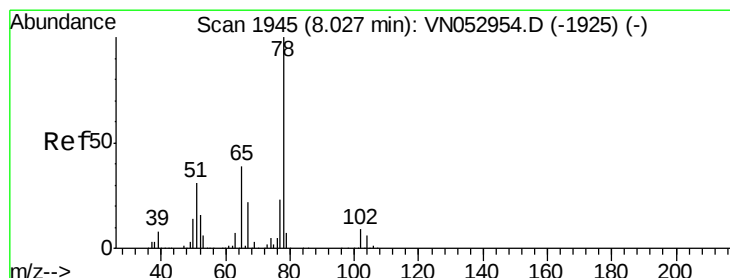
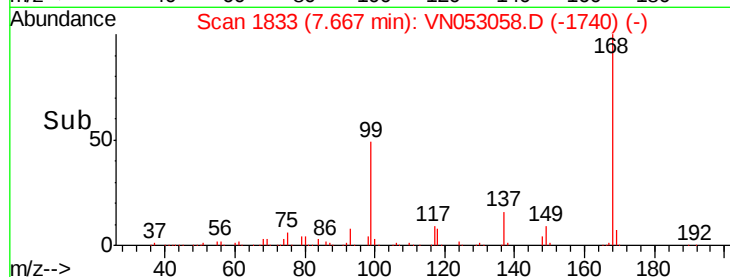
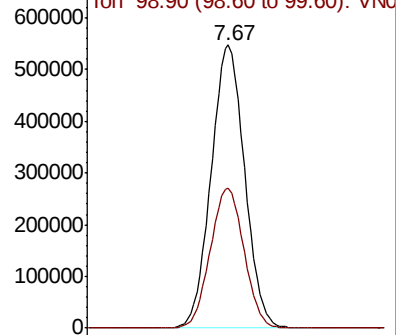
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Abundance Ion 167.90 (167.60 to 168.60): VN052954.D (-1812) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053058.D

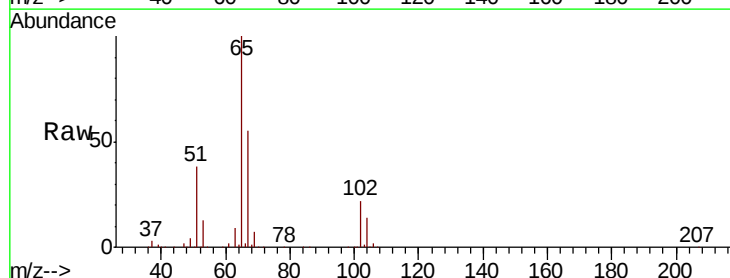
Acq: 20 Dec 2018 15:54

Tgt Ion: 65 Resp: 628883

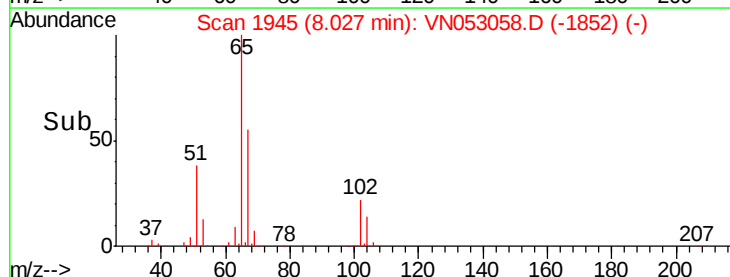
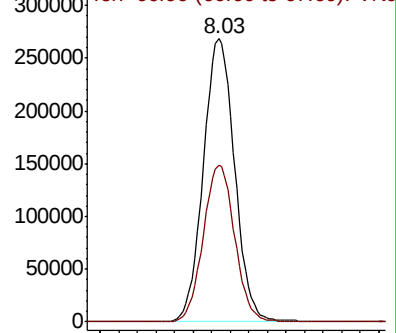
Ion Ratio Lower Upper

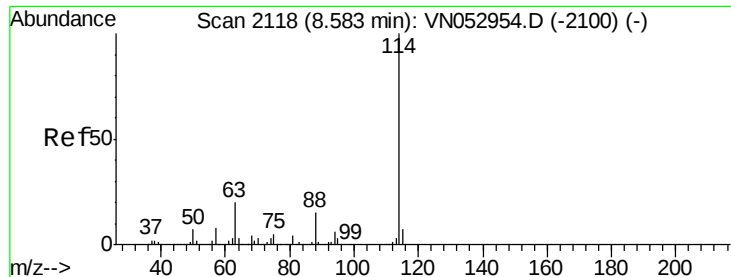
65 100

67 55.5 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN052954.D (-1925) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-3A(17-18FT)1218DL

Tot Ion:114 Resp: 1975499

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

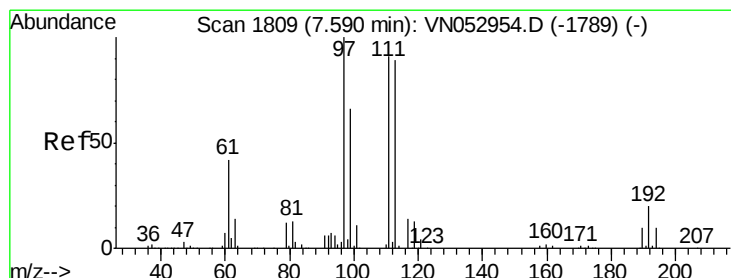
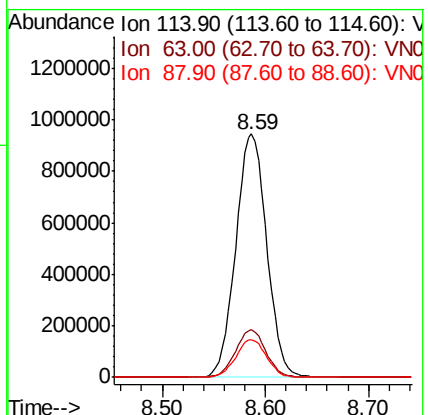
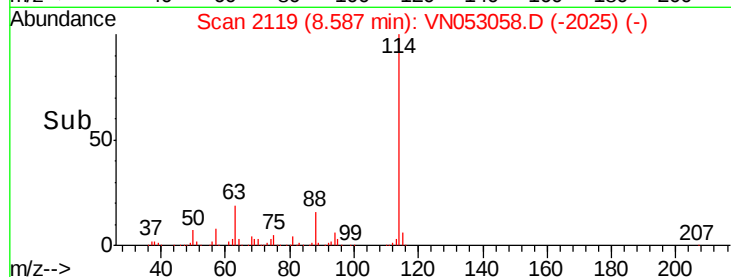
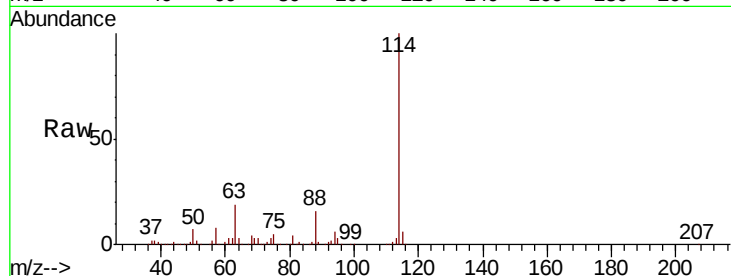
88 15.7 0.0 31.0

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#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

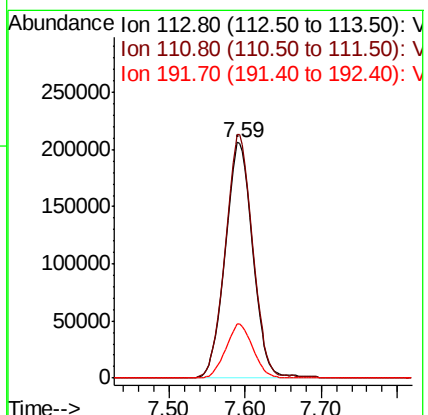
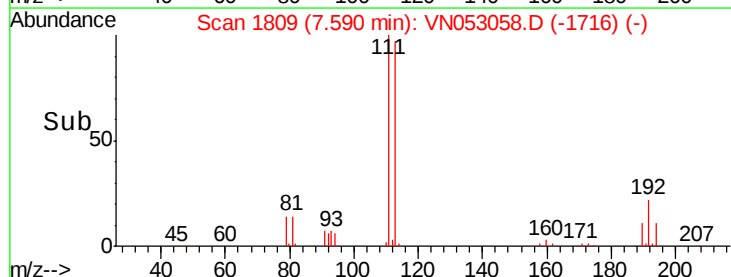
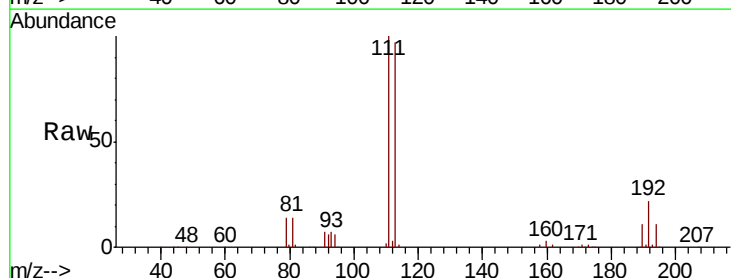
Tgt Ion:113 Resp: 520230

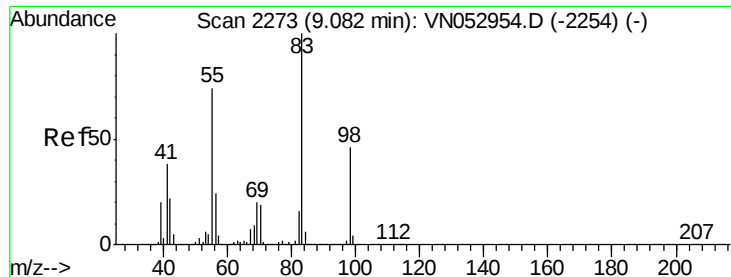
Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

192 22.6 17.5 26.3





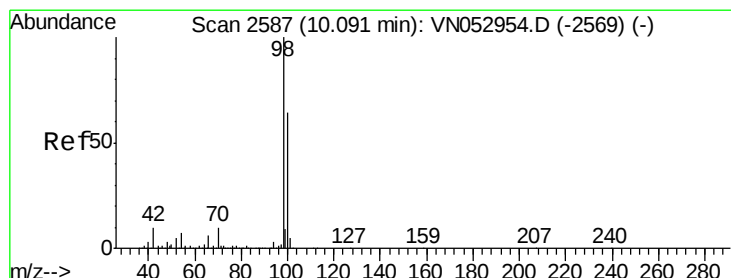
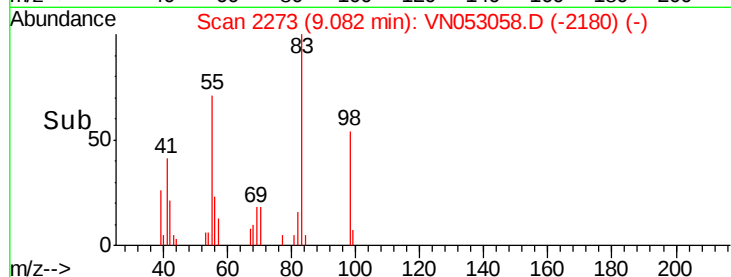
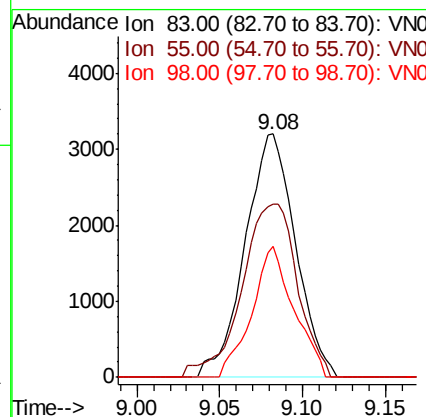
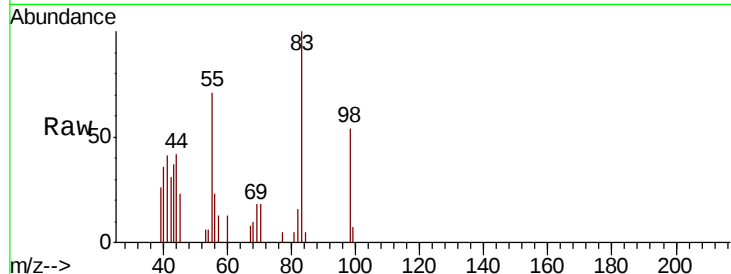
#39
Methvlcvclohexane
Concen: 0.294 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3A(17-18FT)1218DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.4	61.3	91.9
98	53.7	37.0	55.4

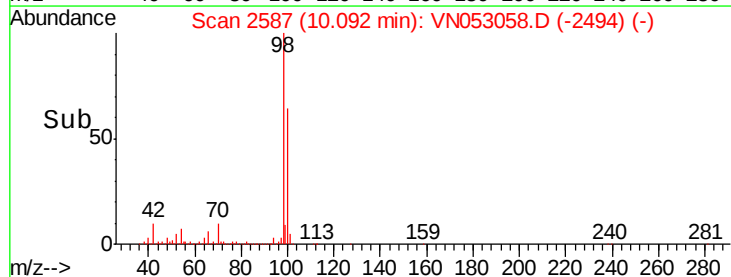
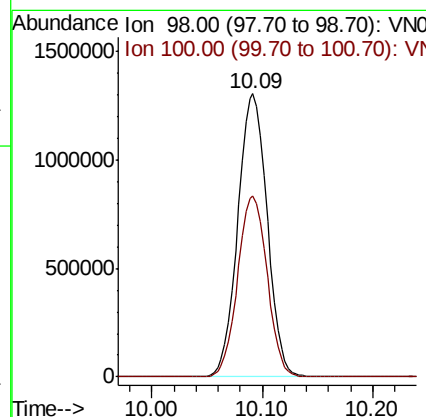
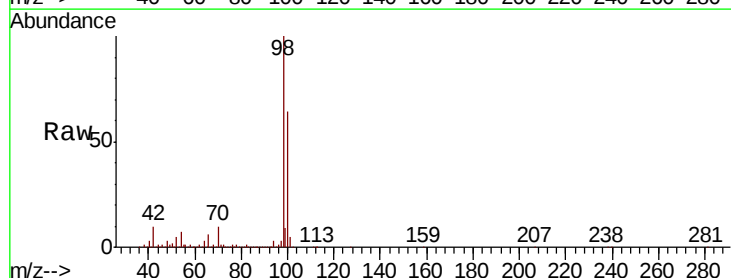
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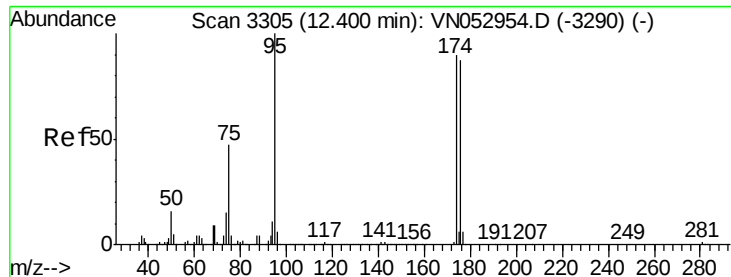
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

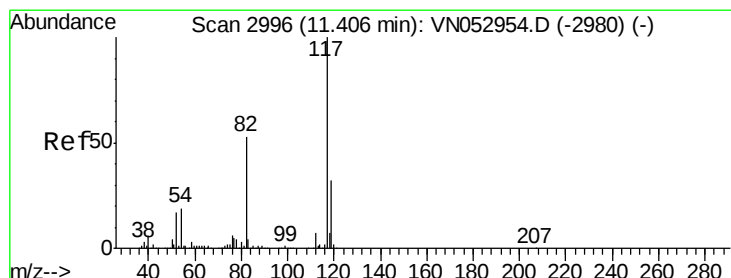
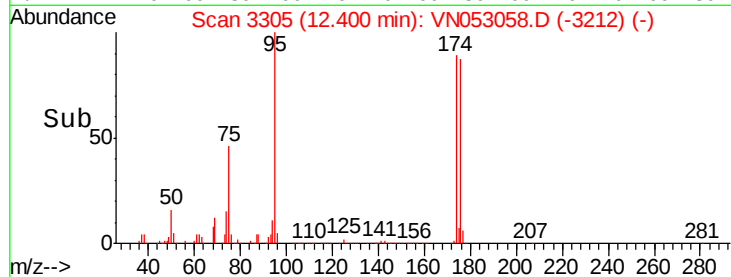
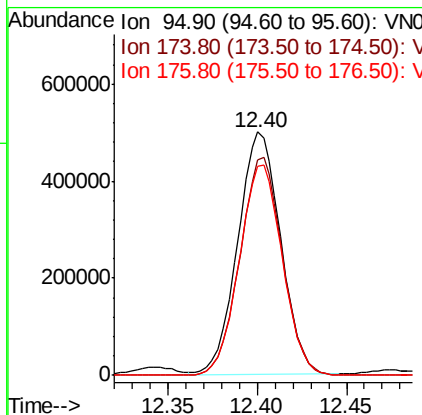
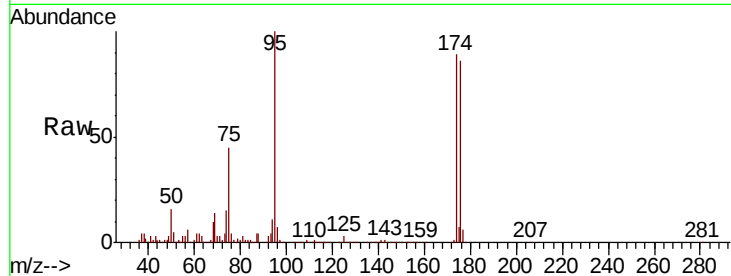
ClientSampleId :

EP1-SBR-3A(17-18FT)1218DL

Tot Ion:	95	Resp:	836167
Ion Ratio	Lower	Upper	
95	100		
174	89.4	0.0	178.8
176	87.3	0.0	173.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

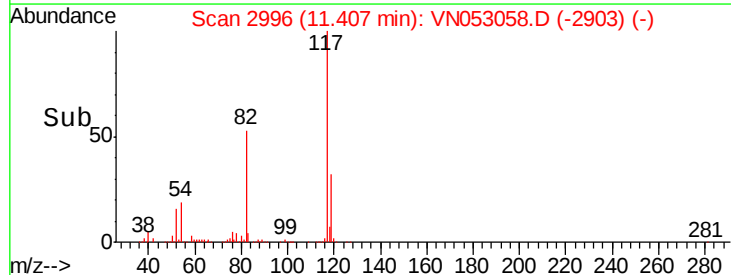
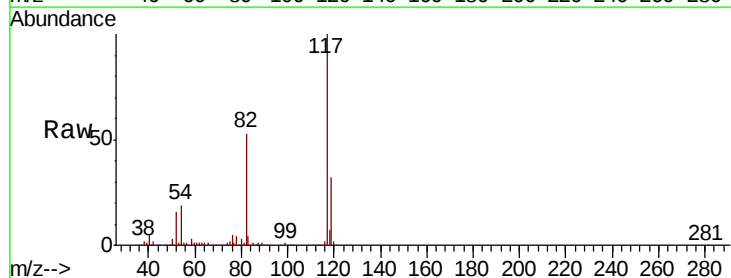
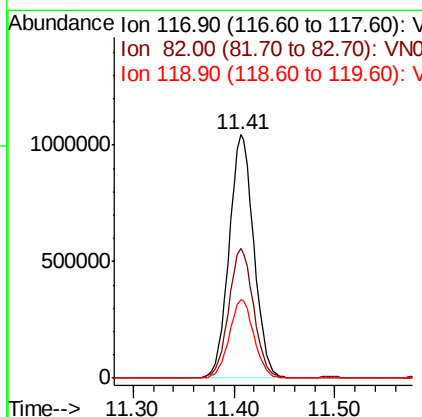
RT: 11.41 min Scan# 2996

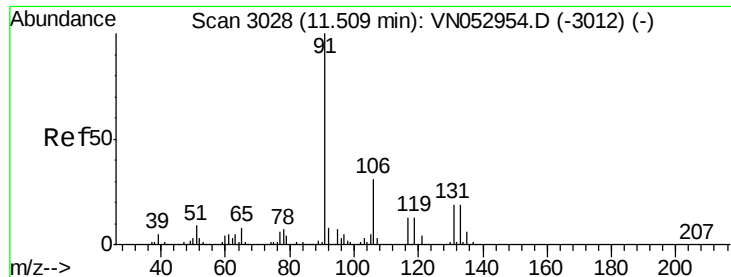
Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Tgt Ion:	117	Resp:	1782278
Ion Ratio	Lower	Upper	
117	100		
82	52.8	42.8	64.2
119	32.1	25.5	38.3





#67

Ethyl Benzene

Concen: 0.376 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-3A(17-18FT)1218DL

Tot Ion: 91 Resp: 25524

Ion Ratio Lower Upper

91 100

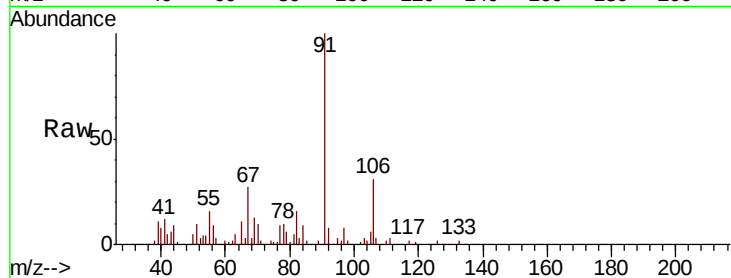
106 31.3 24.9 37.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN052954.D (-3012) (-)

40000

30000

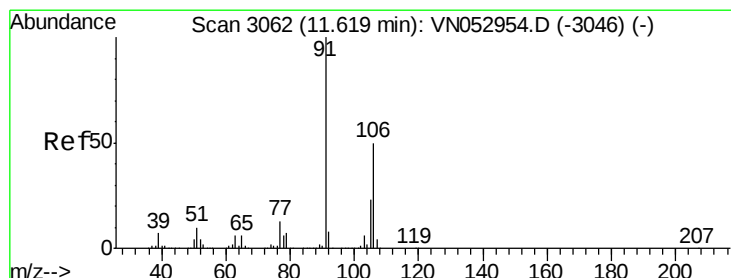
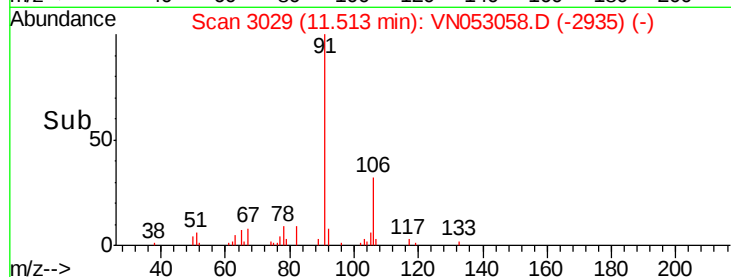
20000

10000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 2.662 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.01 min

Lab File: VN053058.D

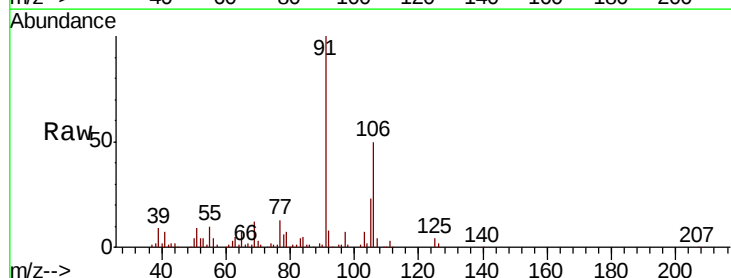
Acq: 20 Dec 2018 15:54

Tgt Ion: 106 Resp: 68747

Ion Ratio Lower Upper

106 100

91 203.2 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN052954.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN052954.D (-3046) (-)

80000

60000

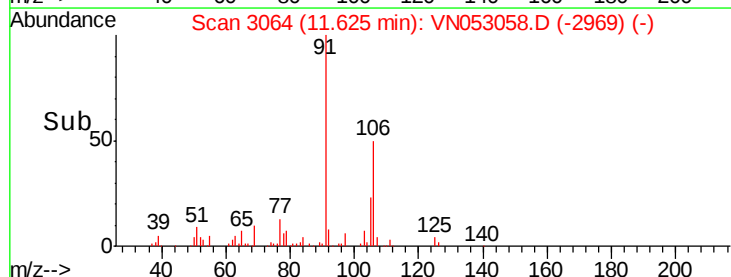
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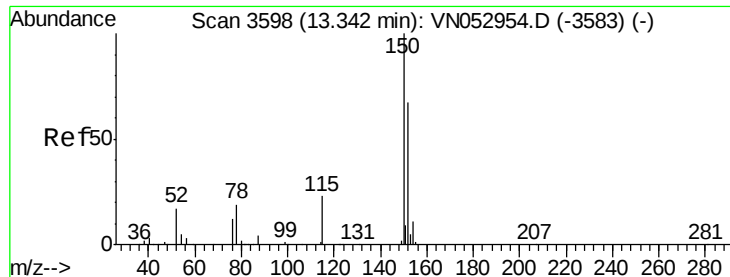
20000

0

11.55 11.60 11.65 11.70

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

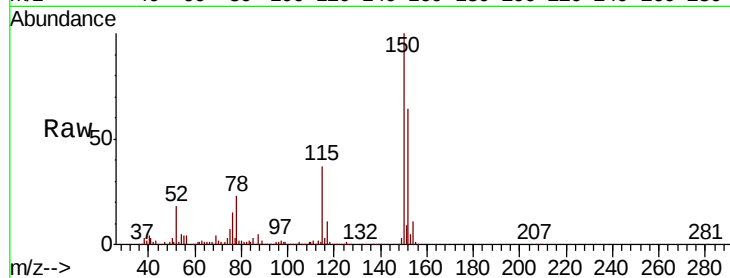
ClientSampleId :

EP1-SBR-3A(17-18FT)1218DL

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.7	28.3	85.0
150	156.5	0.0	347.8

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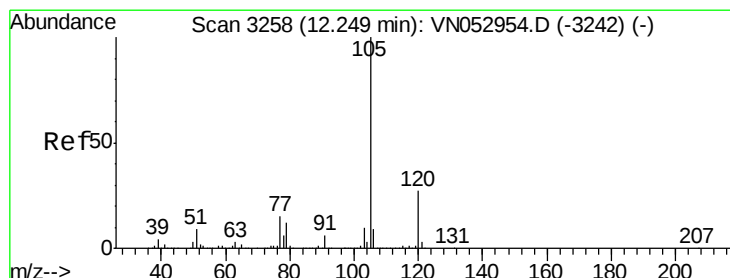
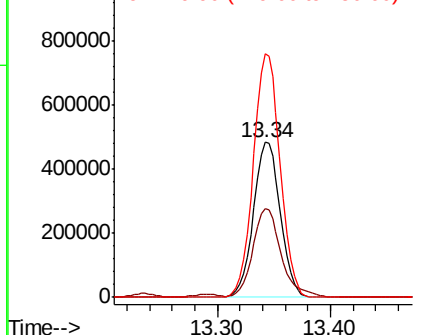
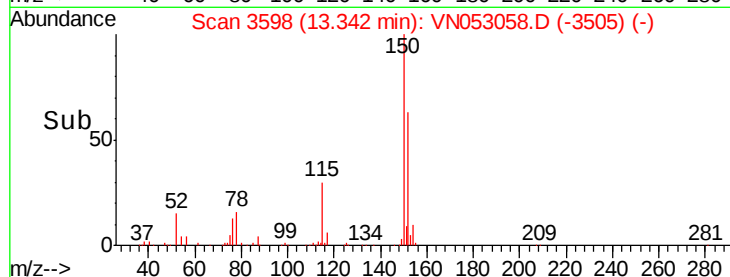


Abundance

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: 2.173 ug/l

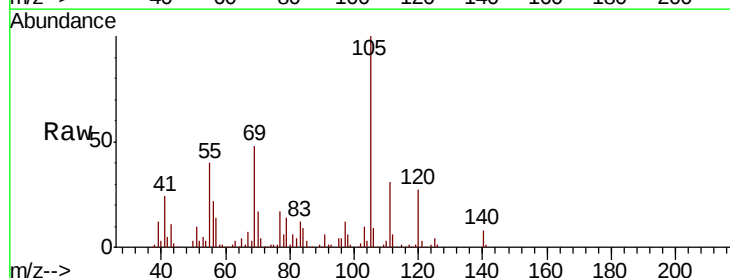
RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

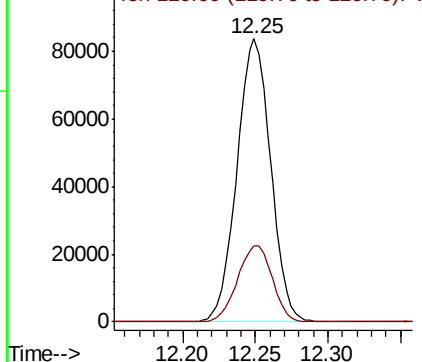
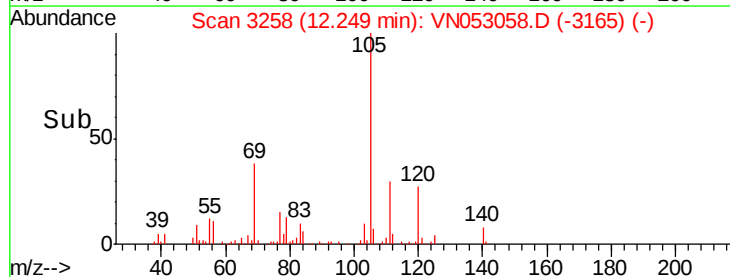
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.3	39.9

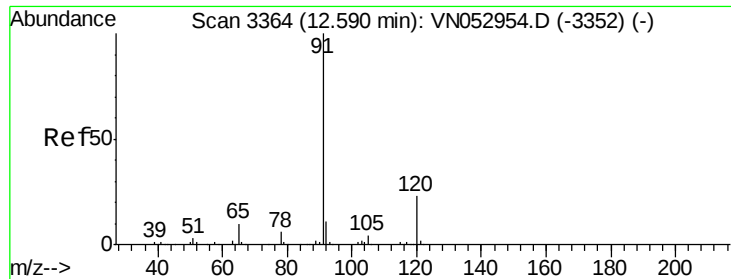


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 5.313 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-3A(17-18FT)1218DL

Tot Ion: 91 Resp: 376330

Ion Ratio Lower Upper

91 100

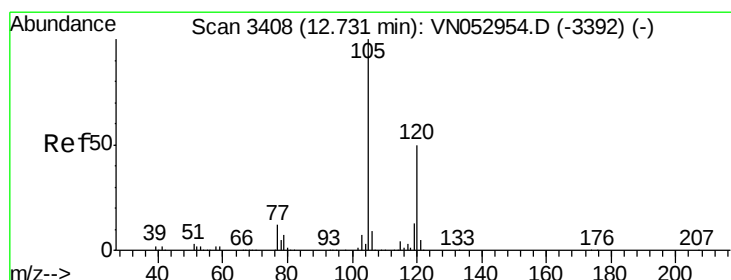
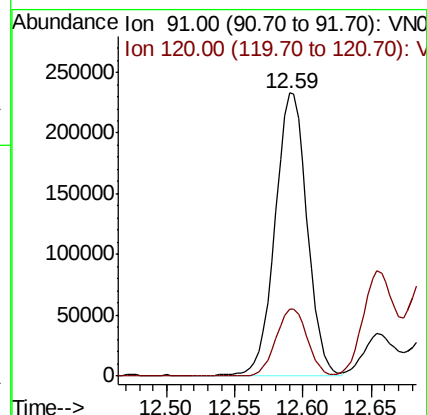
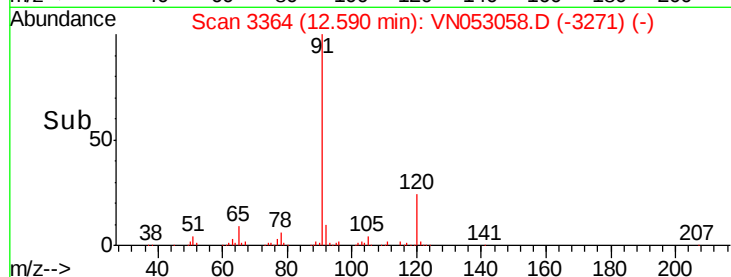
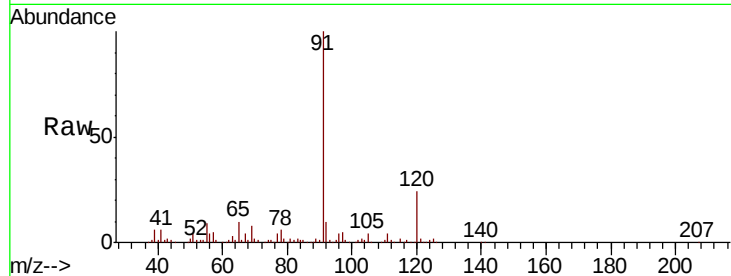
120 23.6 11.5 34.5

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#80

1,3,5-Trimethylbenzene

Concen: 10.724 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053058.D

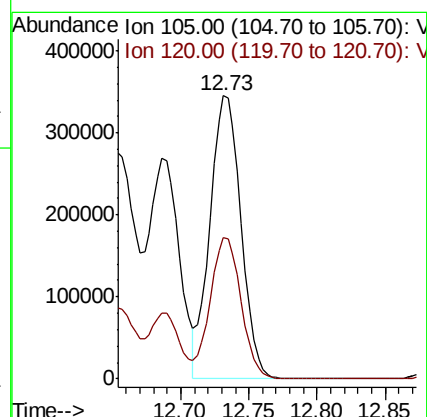
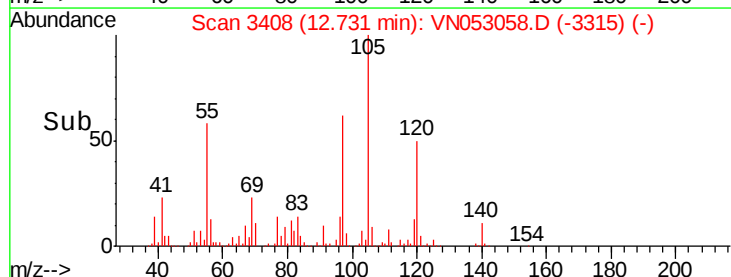
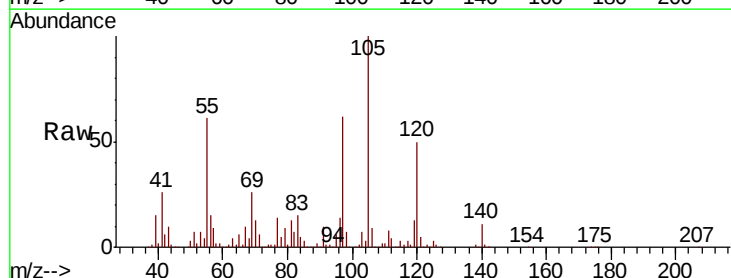
Acq: 20 Dec 2018 15:54

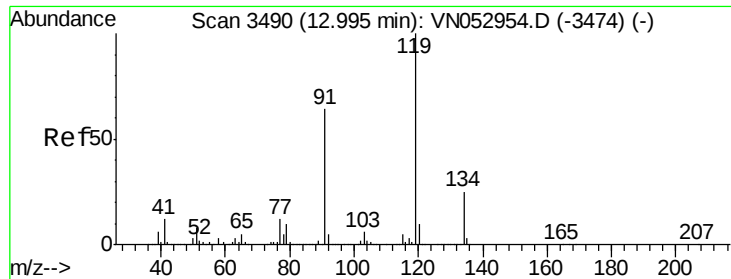
Tgt Ion: 105 Resp: 543585

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.2





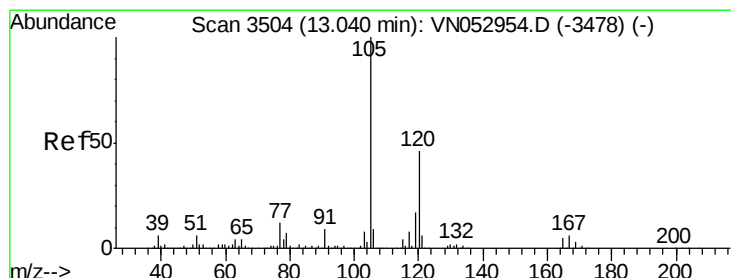
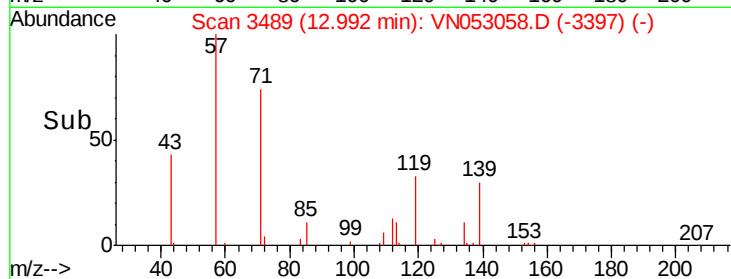
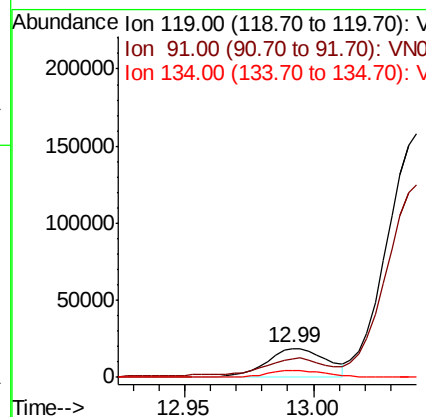
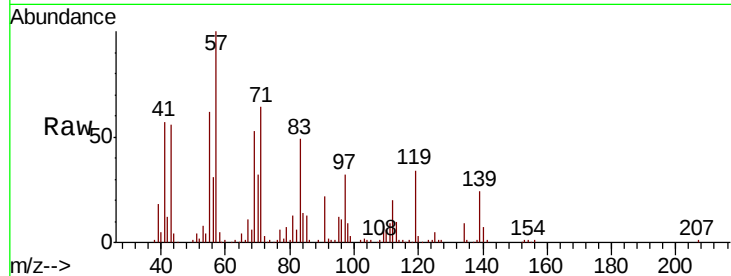
#83
tert-Butylbenzene
Concen: 0.680 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3A(17-18FT)1218DL

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	31.9	95.5
134	23.4	12.8	38.4

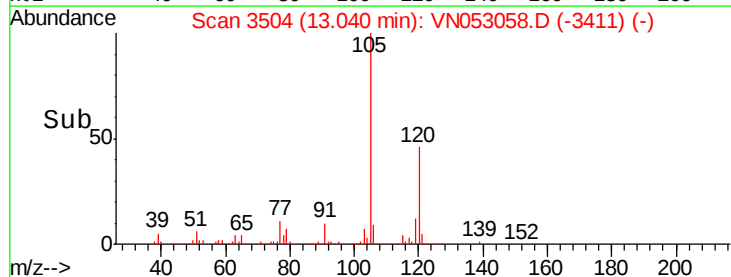
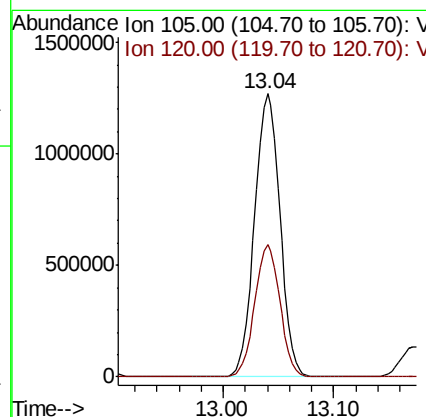
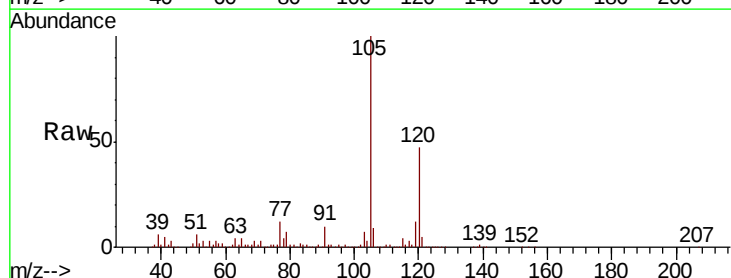
Manual Integrations
APPROVED

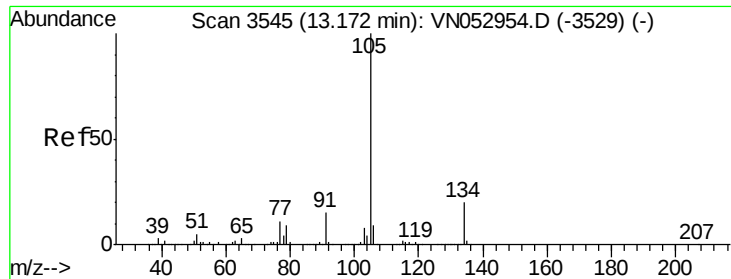
MMDadoda
12/21/2018 9:21:24 AM



#84
1,2,4-Trimethylbenzene
Concen: 39.739 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.9	68.8





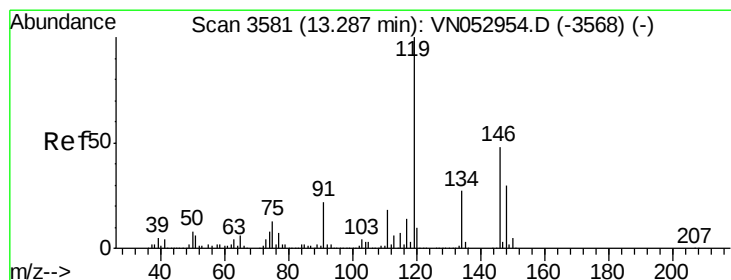
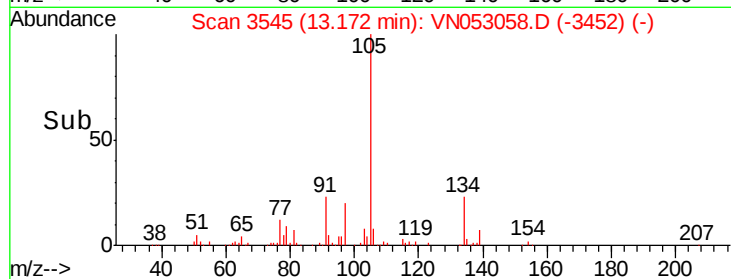
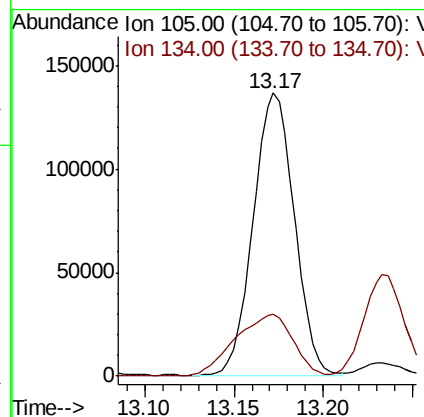
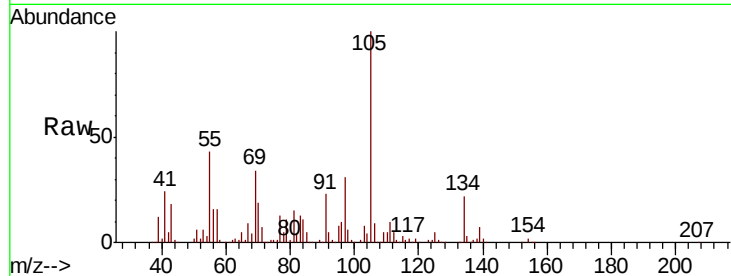
#85
 sec-Butylbenzene
 Concen: 3.619 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053058.D
 Acq: 20 Dec 2018 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-3A(17-18FT)1218DL

Tot Ion	Ratio	Lower	Upper
105	100		
134	30.8	10.1	30.3#

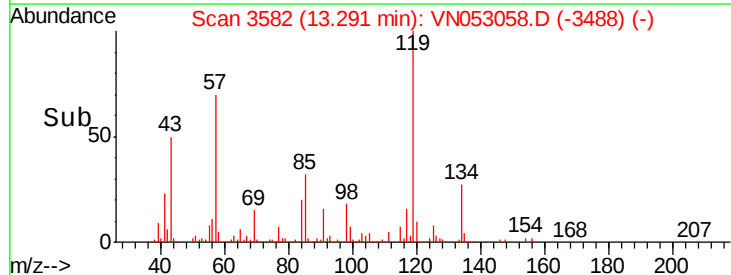
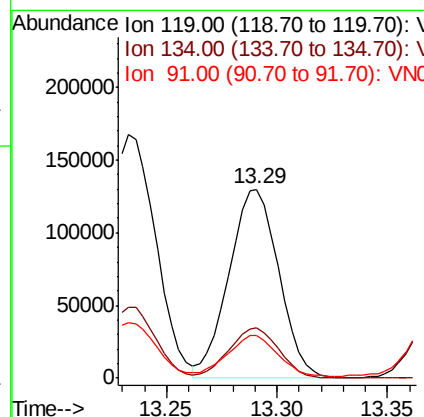
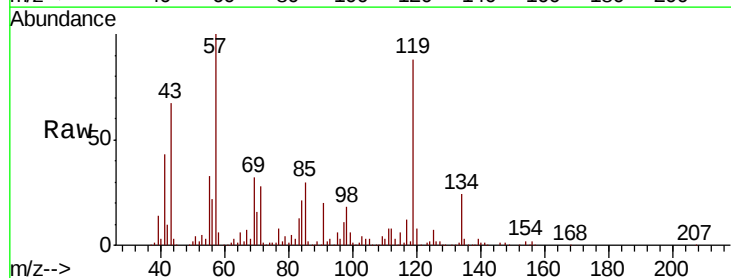
Manual Integrations
 APPROVED

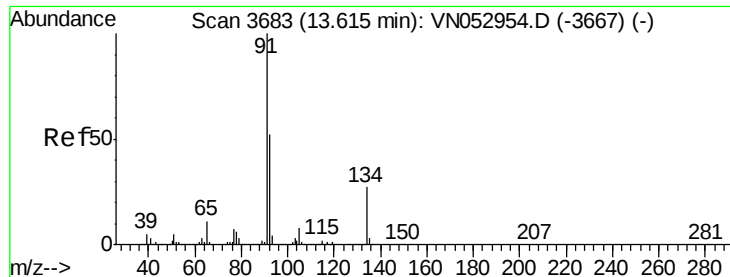
MMDadoda
 12/21/2018 9:21:24 AM



#86
 p-Isopropyltoluene
 Concen: 3.875 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053058.D
 Acq: 20 Dec 2018 15:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	21.1	11.1	33.3





#89

n-Butylbenzene

Concen: 4.285 ug/l m

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

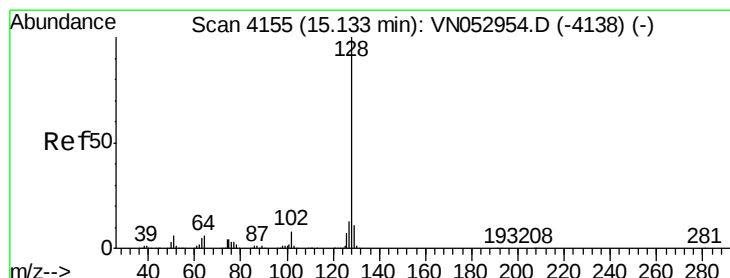
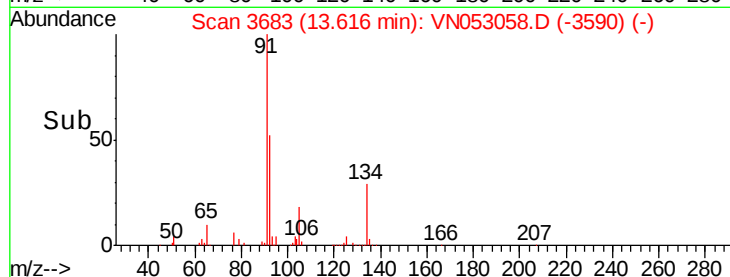
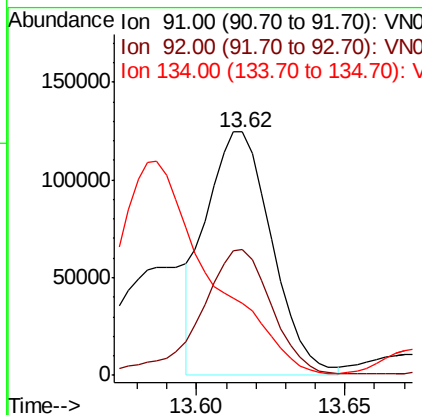
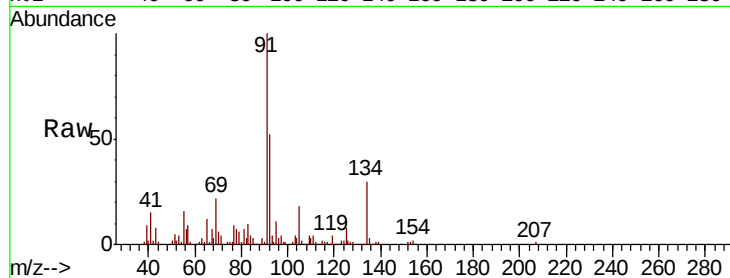
ClientSampleId :

EP1-SBR-3A(17-18FT)1218DL

Tot Ion:	91	Resp:	193163
Ion Ratio	Lower	Upper	
91	100		
92	55.1	26.3	78.9
134	0.0	13.3	39.8#

Manual Integrations
APPROVED

MMDadoda
12/21/2018 9:21:24 AM



#95

Naphthalene

Concen: 2.191 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Tgt Ion:	128	Resp:	33394
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	13.5	8.6	13.0#

