

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053978.D
 Acq On : 27 Feb 2019 19:44
 Operator : JC/SP
 Sample : K1350-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-022619-B

Manual Integrations
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 2/28/2019 2:55:41 PM

Quant Time: Feb 28 07:39:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	594668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1116228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1091344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	427852	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	396539	56.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.78%	
35) Dibromofluoromethane	7.59	113	359825	49.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.70%	
50) Toluene-d8	10.09	98	1425578	53.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.40	95	477541	53.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.68%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	26661	2.407	ug/l	97
20) Methylene Chloride	4.55	84	261376	37.885	ug/l	91
30) Chloroform	7.37	83	7808	0.661	ug/l	96
43) Isopropyl Acetate	8.17	43	29376	2.347	ug/l	92
47) Bromodichloromethane	9.40	83	4201	0.399	ug/l	92
52) Toluene	10.15	92	3878	0.207	ug/l	98
67) Ethyl Benzene	11.51	91	112087	2.903	ug/l	99
68) m/p-Xylenes	11.62	106	216702	14.870	ug/l	96
69) o-Xylene	11.95	106	97189	6.787	ug/l	96
73) Isopropylbenzene	12.25	105	7602	0.228	ug/l	94
78) n-propylbenzene	12.59	91	45357	1.197	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	164624	6.038	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	831221	30.536	ug/l	98
85) sec-Butylbenzene	13.17	105	9813m	0.298	ug/l	
86) p-Isopropyltoluene	13.29	119	9960	0.358	ug/l	95
89) n-Butylbenzene	13.61	91	7067m	0.301	ug/l	
95) Naphthalene	15.13	128	45238	5.711	ug/l	98

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

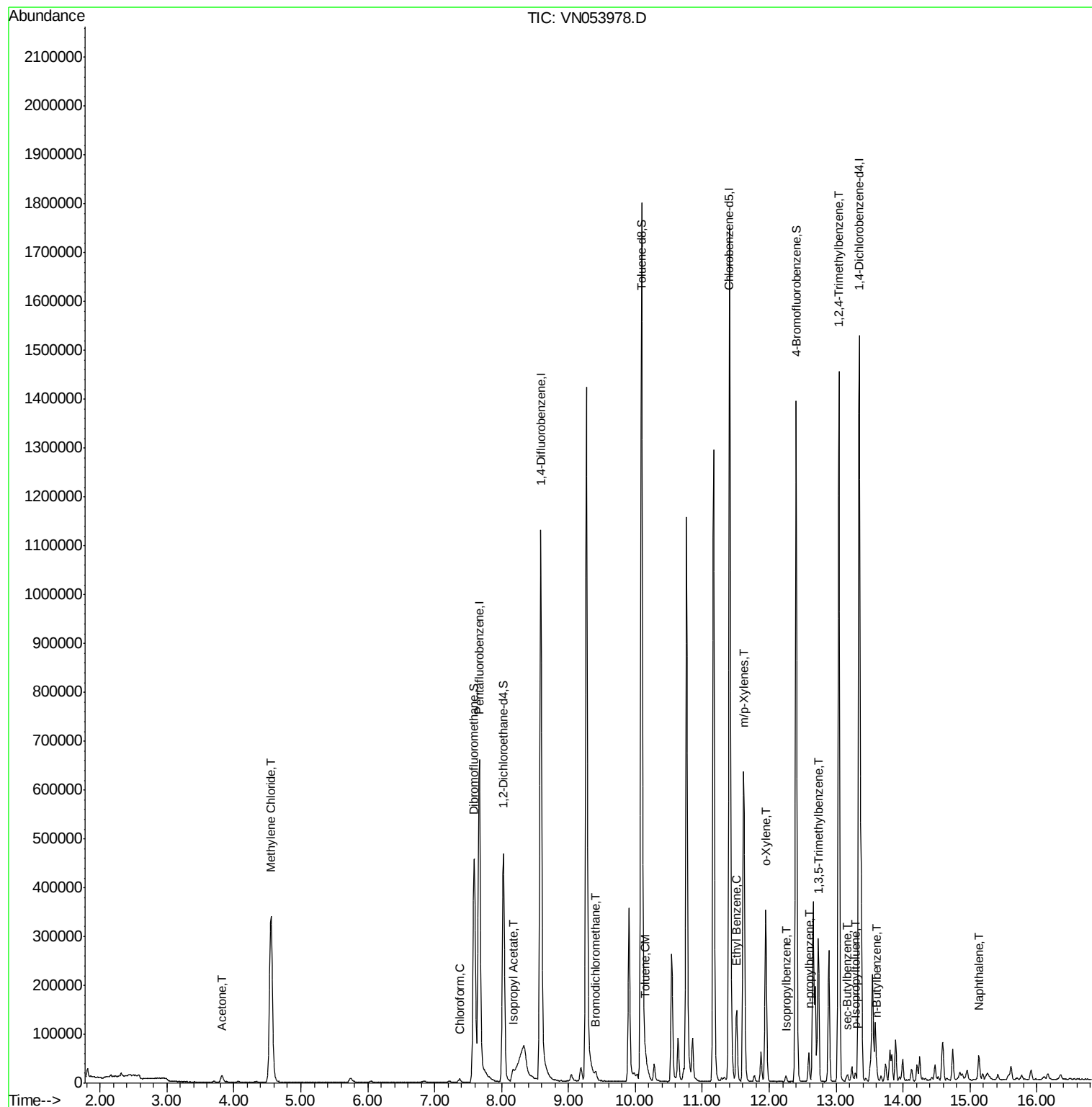
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022719\
Data File : VN053978.D
Acq On : 27 Feb 2019 19:44
Operator : JC/SP
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ALS Vial : 9 Sample Multiplier: 1

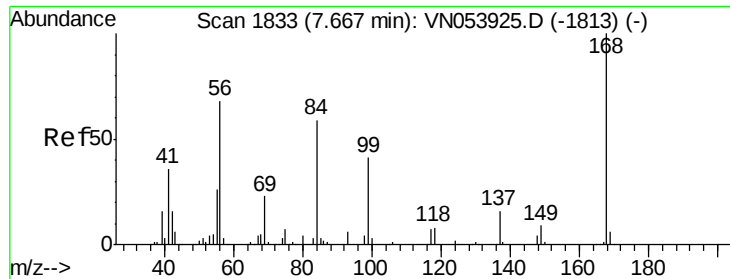
Instrument :
MSVOA_N
ClientSampleId :
EO-01-022619-B

Manual Integrations
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Quant Time: Feb 28 07:39:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

EO-01-022619-B

Tot Ion:168 Resp: 594668

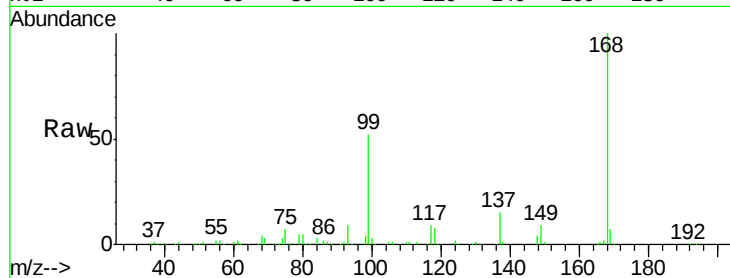
Ion Ratio Lower Upper

168 100

99 51.9 36.9 55.3

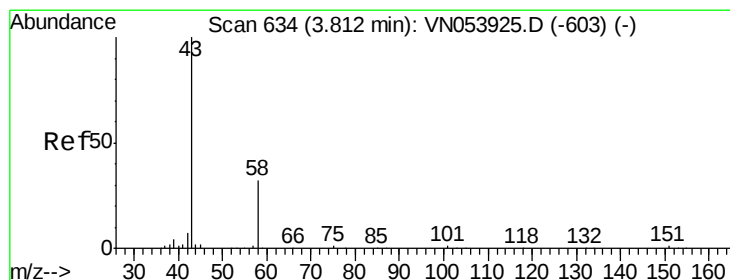
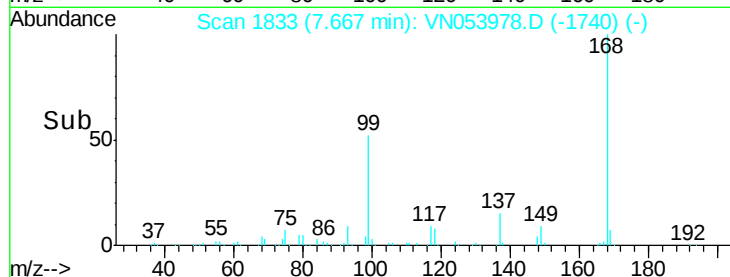
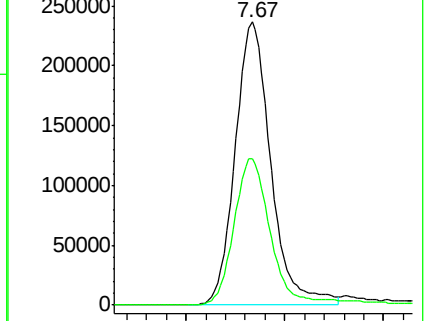
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 2.407 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053978.D

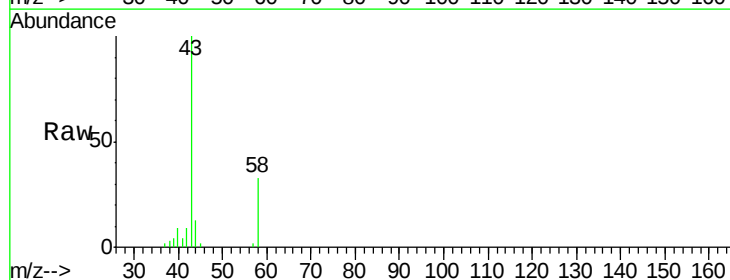
Acq: 27 Feb 2019 19:44

Tgt Ion: 43 Resp: 26661

Ion Ratio Lower Upper

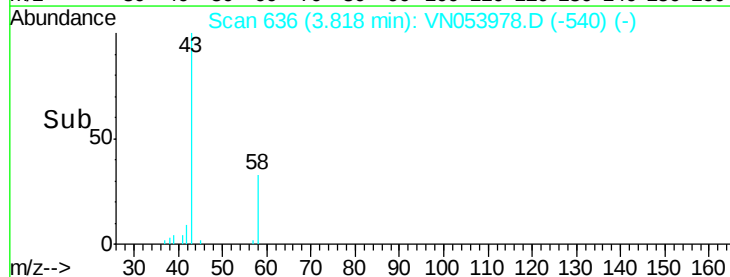
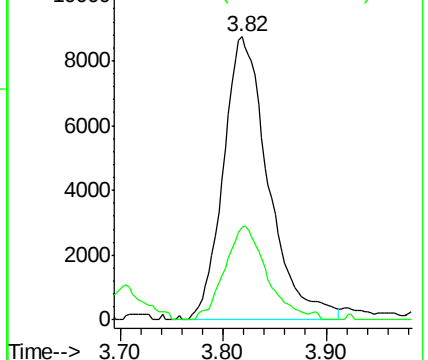
43 100

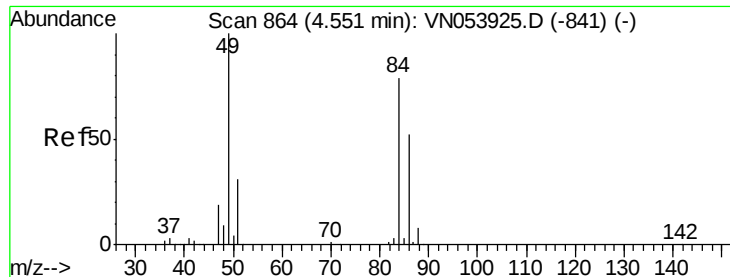
58 32.8 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





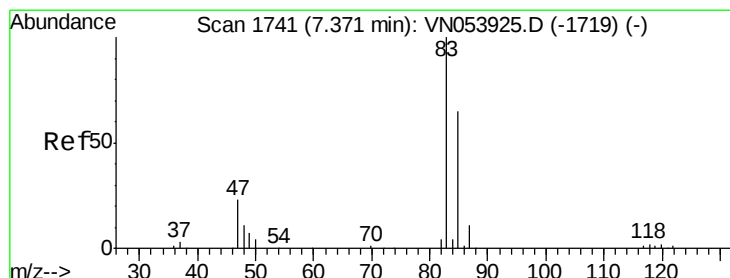
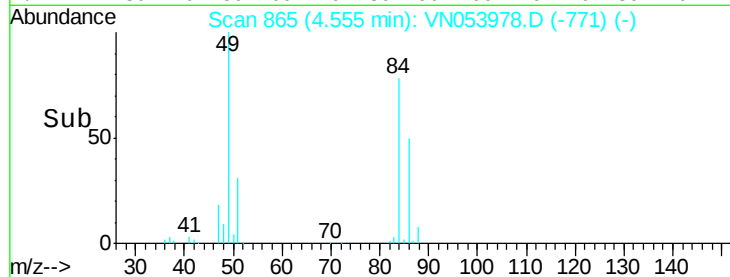
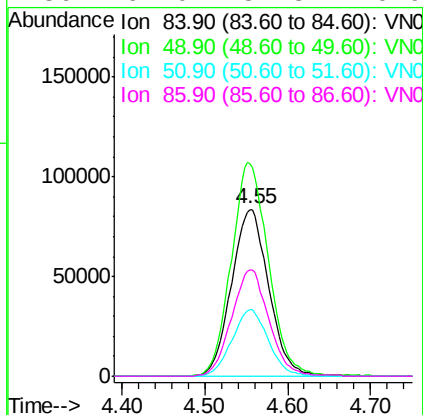
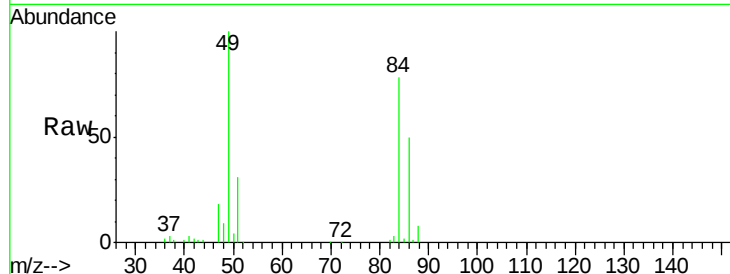
#20
Methvlene Chloride
Concen: 37.885 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
EO-01-022619-B

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	127.9	89.7	134.5	
51	40.3	27.8	41.8	
86	64.0	51.3	76.9	

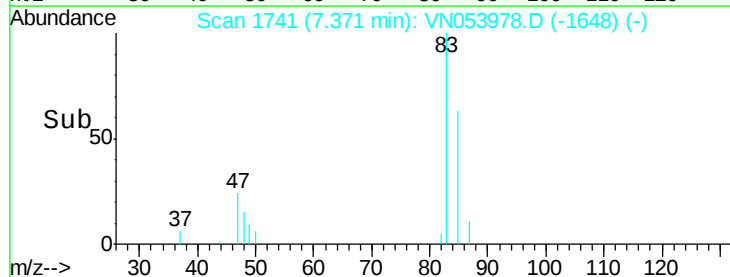
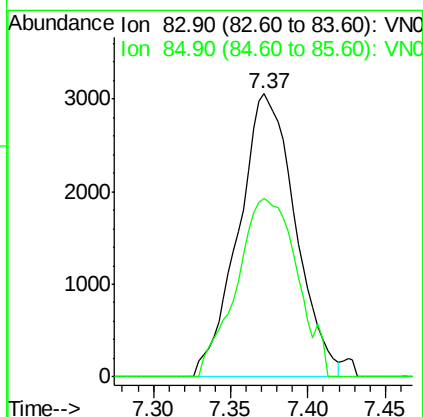
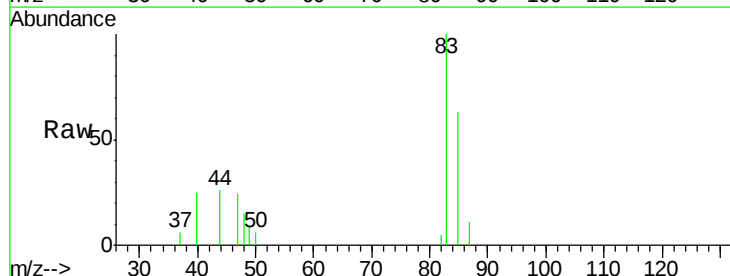
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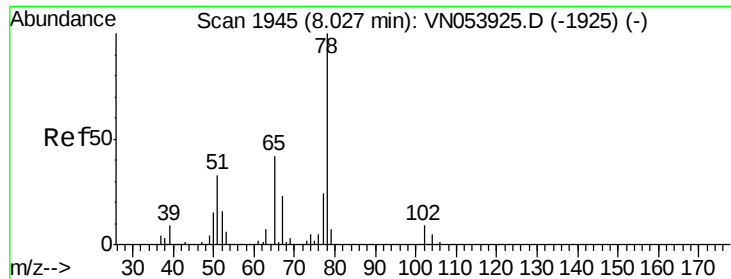
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#30
Chloroform
Concen: 0.661 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	62.9	52.6	78.8	





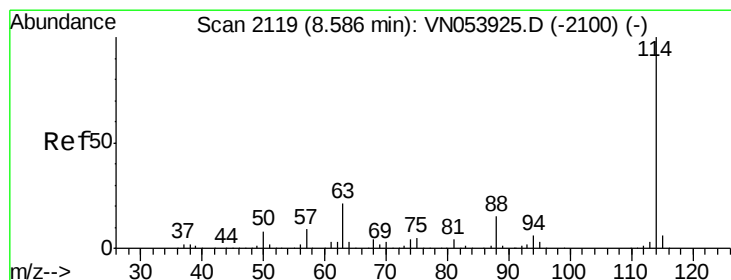
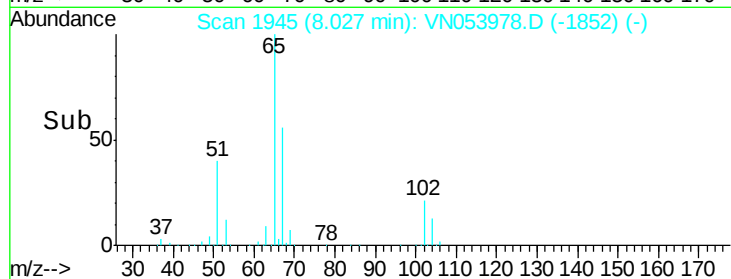
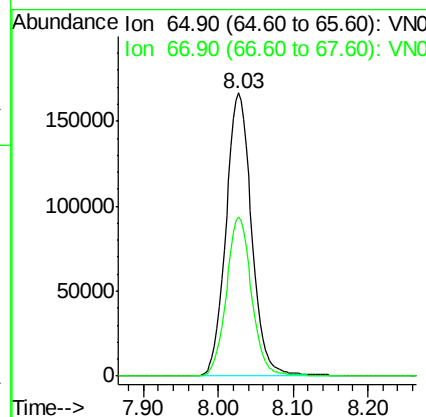
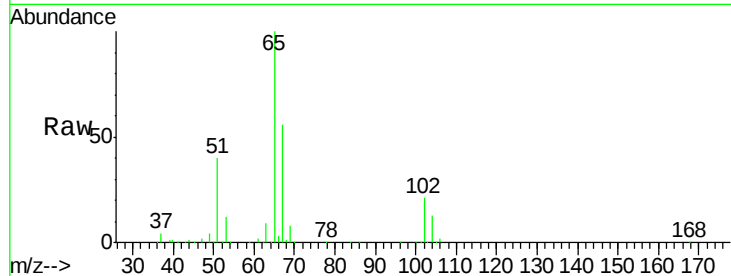
#33
 1,2-Dichloroethane-d4
 Concen: 56.885 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-022619-B

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.1	0.0	111.8	

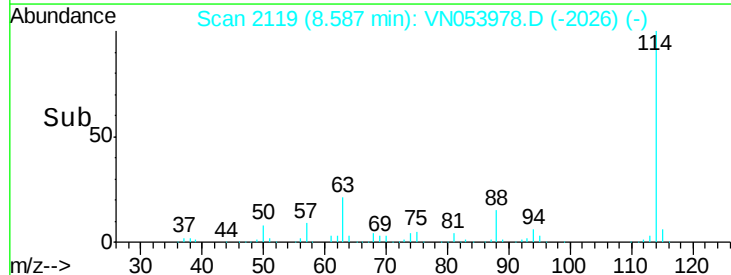
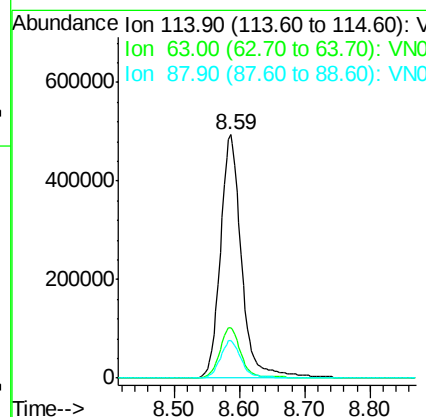
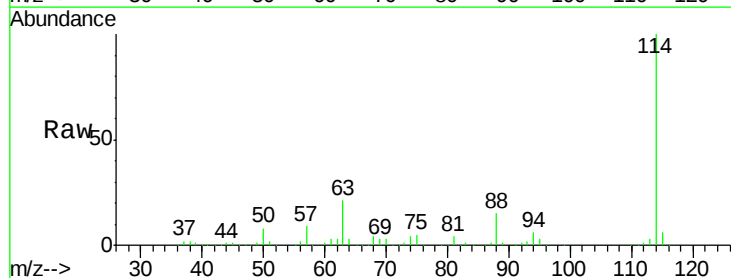
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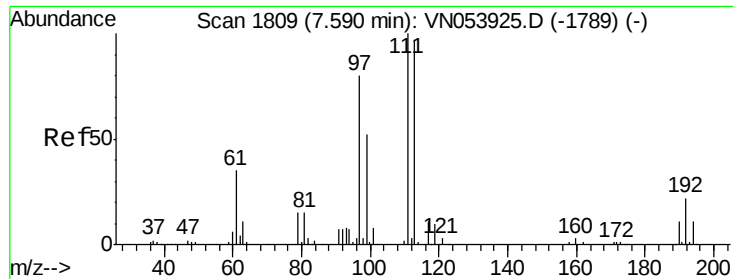
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.9	0.0	37.4	
88	15.4	0.0	30.4	





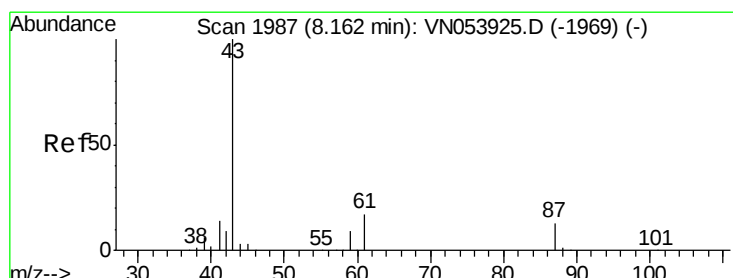
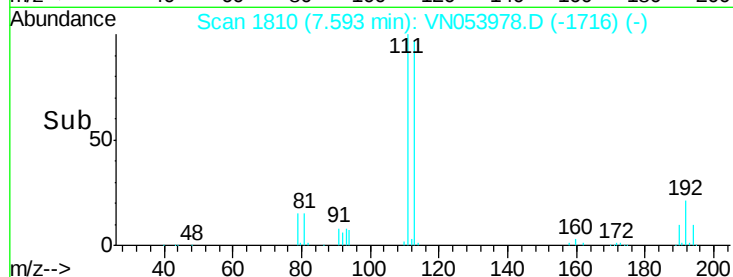
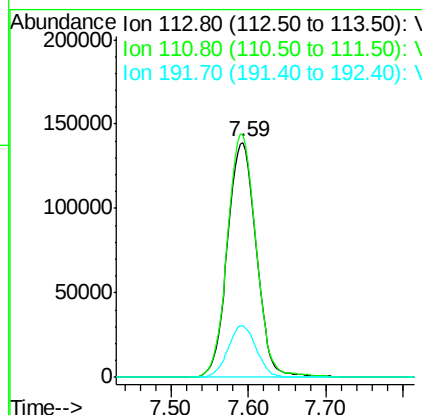
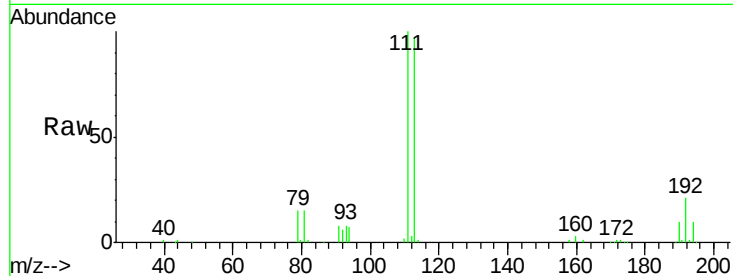
#35
 Dibromofluoromethane
 Concen: 49.850 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-022619-B

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	81.1	121.7	
192	21.4	18.8	28.2	

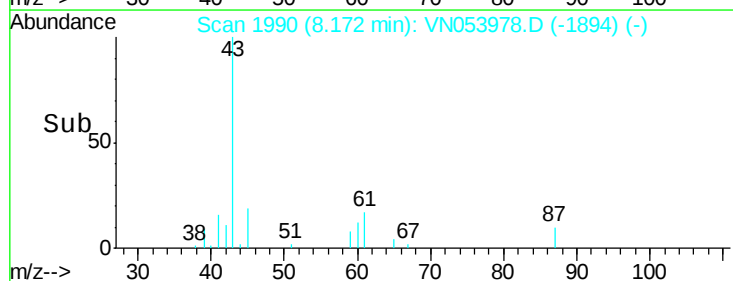
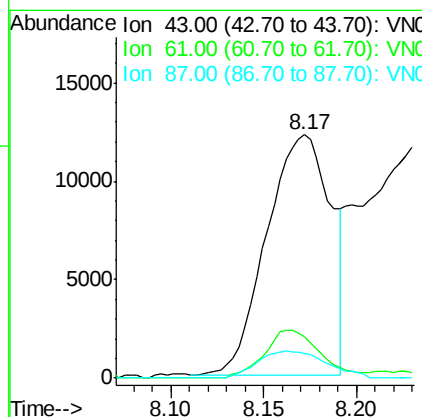
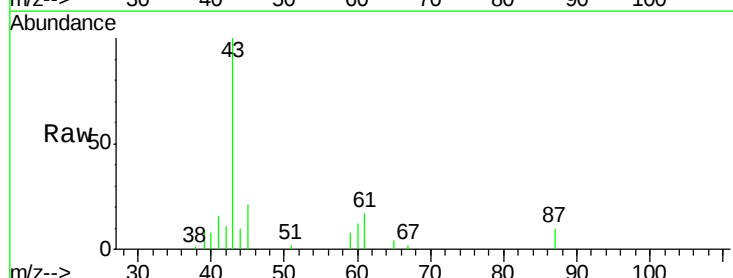
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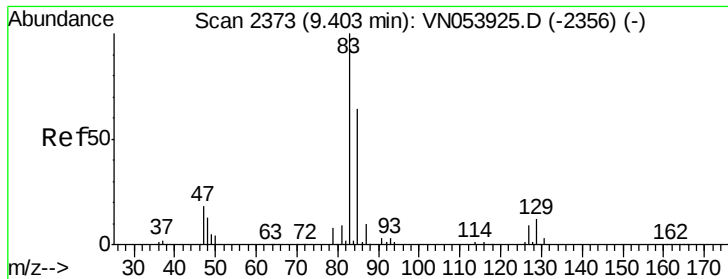
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#43
 Isopropyl Acetate
 Concen: 2.347 ug/l
 RT: 8.17 min Scan# 1990
 Delta R.T. 0.01 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	17.4	17.4	26.0	
87	12.1	11.5	17.3	





#47

Bromodichloromethane

Concen: 0.399 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

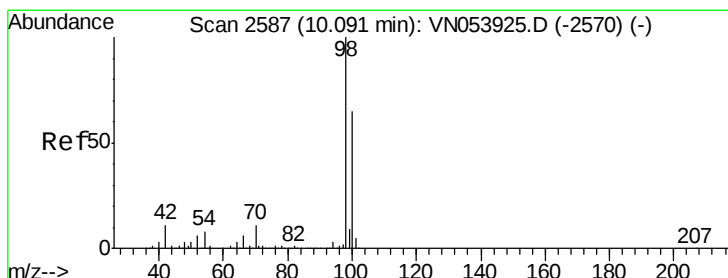
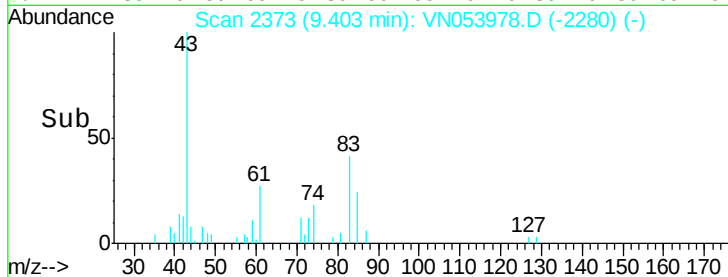
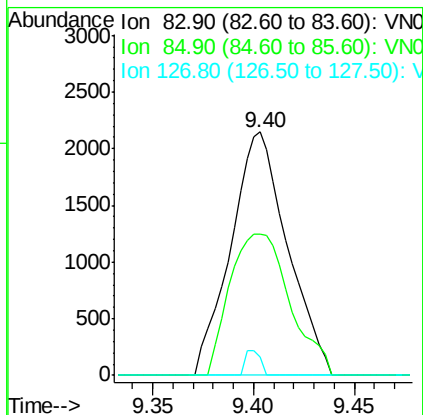
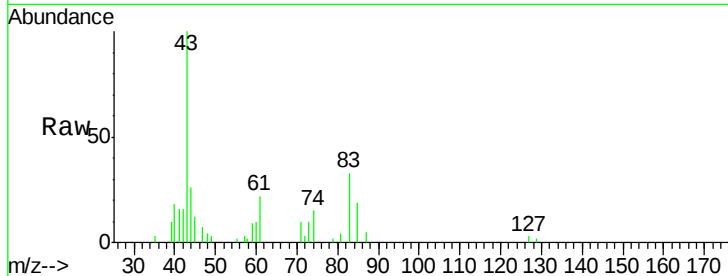
ClientSampleId :

EO-01-022619-B

Tot Ion:	83	Resp:	4201
Ion	Ratio	Lower	Upper
83	100		
85	58.2	51.8	77.6
127	7.6	7.4	11.0

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#50

Toluene-d8

Concen: 53.054 ug/l

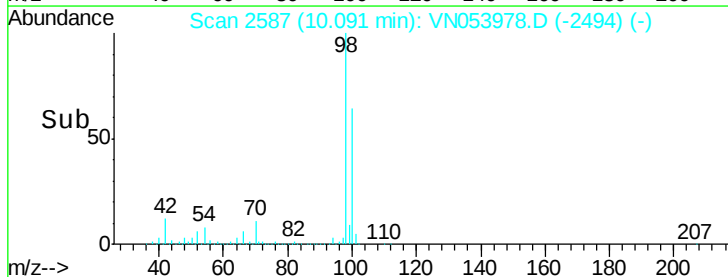
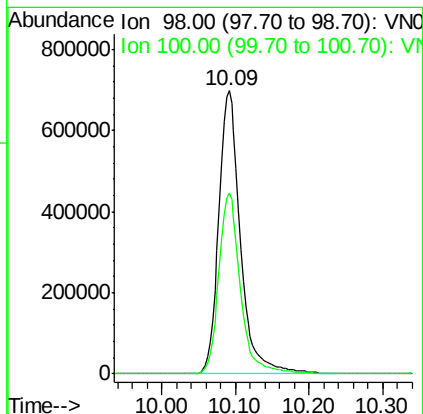
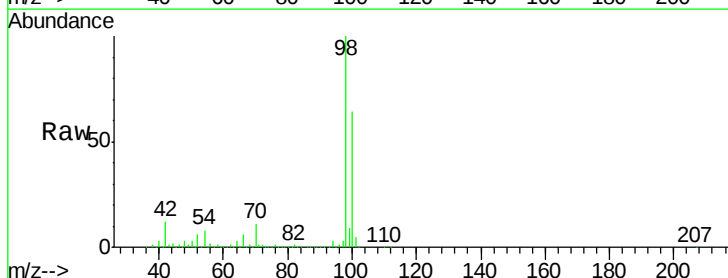
RT: 10.09 min Scan# 2587

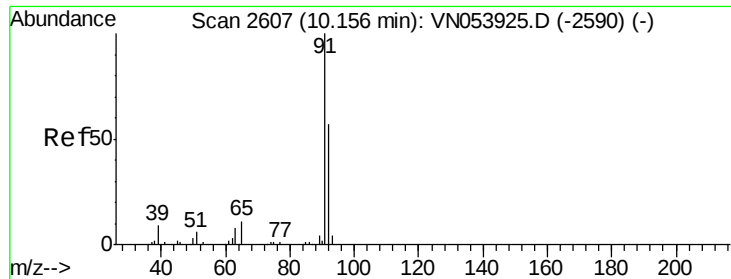
Delta R.T. 0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Tgt Ion:	98	Resp:	1425578
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.9	77.9





#52

Toluene

Concen: 0.207 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

EO-01-022619-B

Tot Ion: 92 Resp: 3878

Ion Ratio Lower Upper

92 100

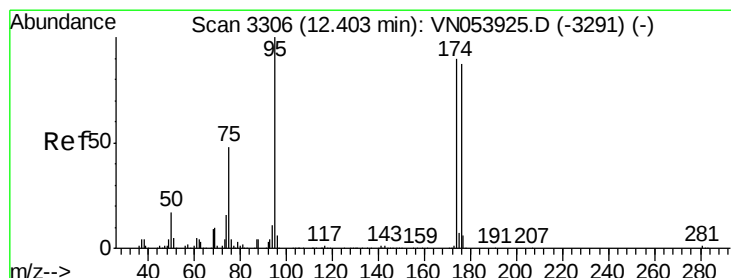
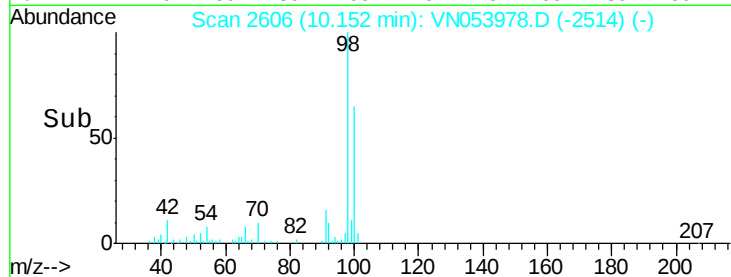
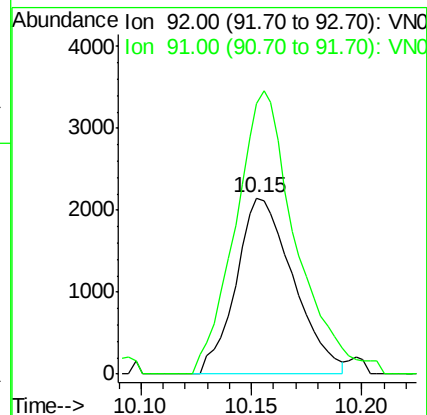
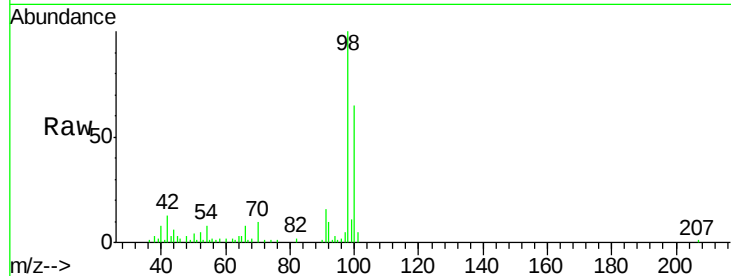
91 169.6 138.4 207.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 53.343 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

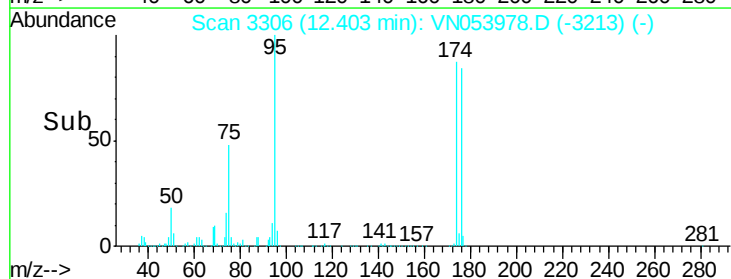
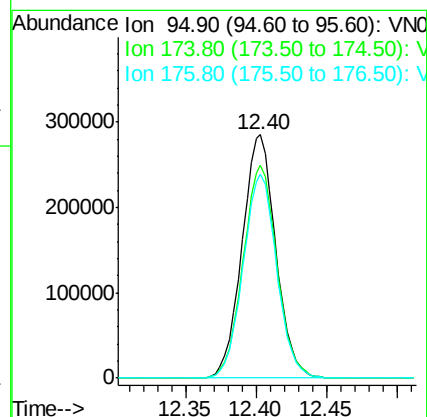
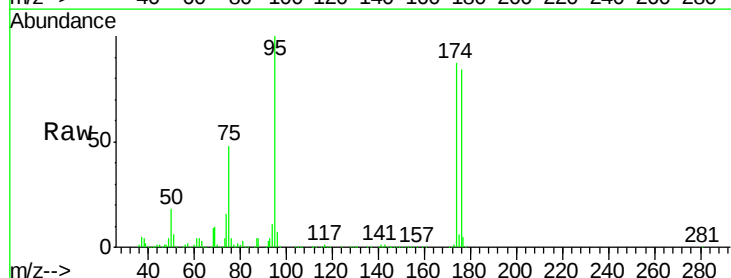
Tgt Ion: 95 Resp: 477541

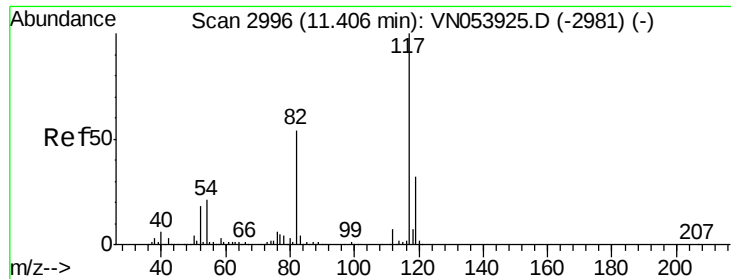
Ion Ratio Lower Upper

95 100

174 87.9 0.0 188.8

176 83.8 0.0 182.6





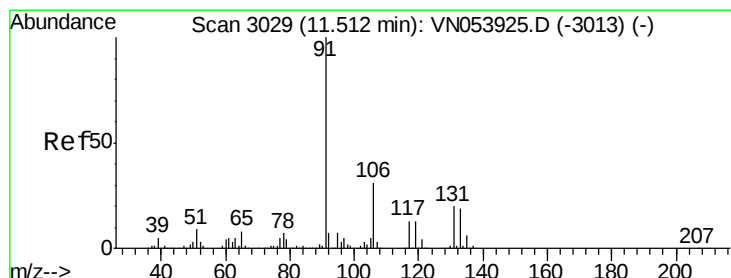
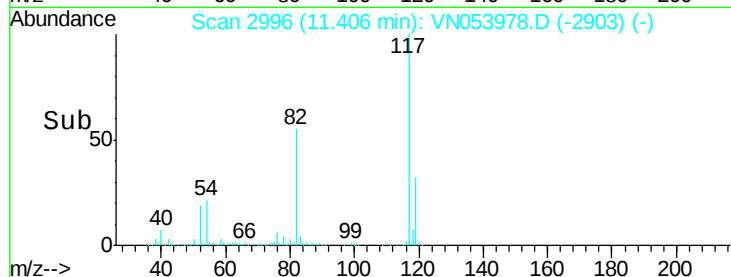
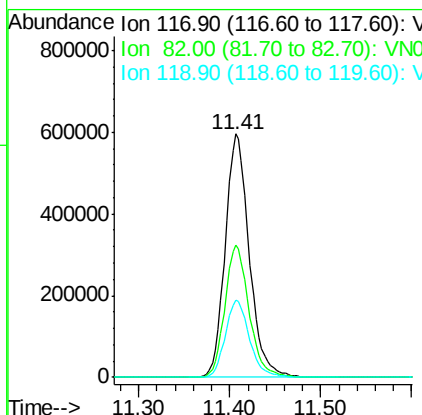
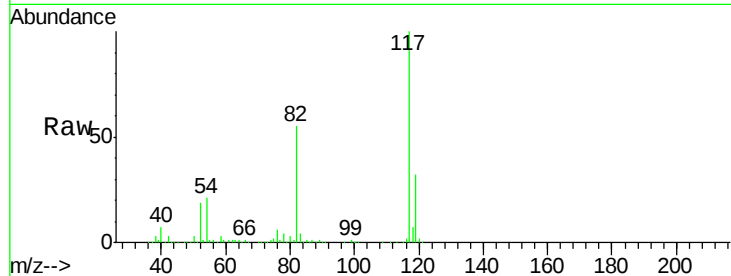
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
EO-01-022619-B

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	41.4	62.2
119	31.8	25.3	37.9

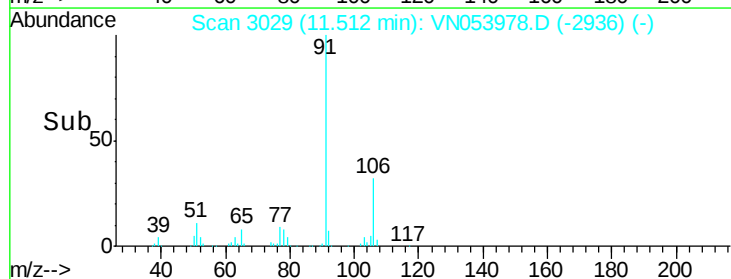
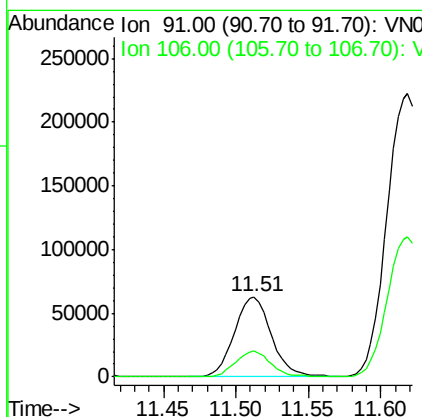
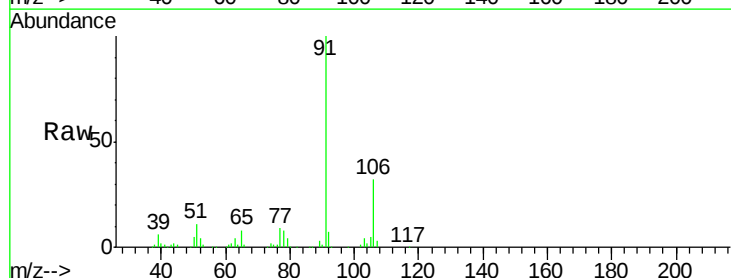
Manual Integrations
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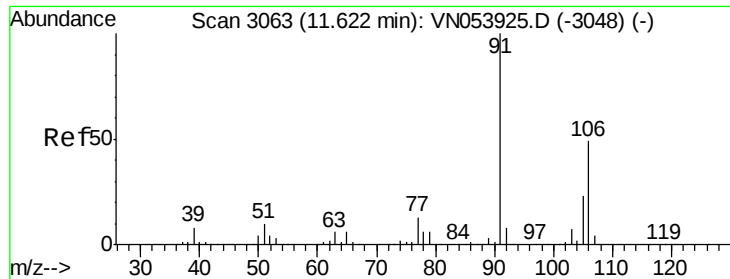
MMDadoda
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#67
Ethyl Benzene
Concen: 2.903 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.2	37.8





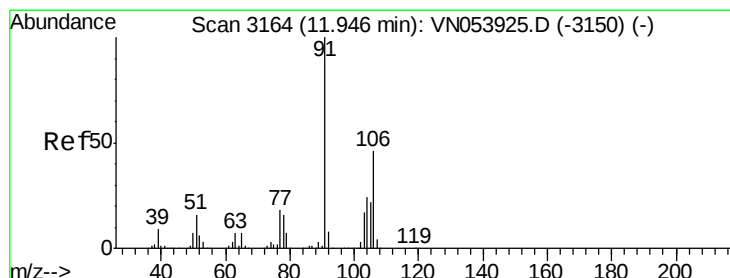
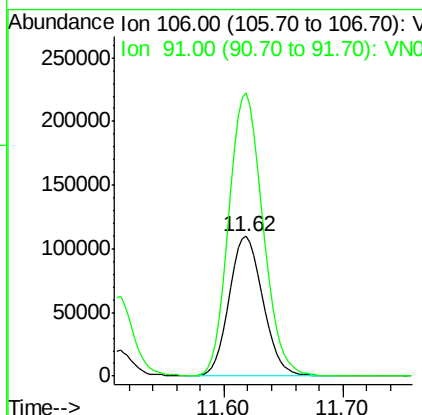
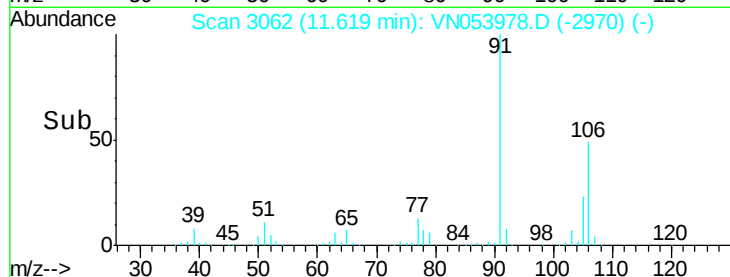
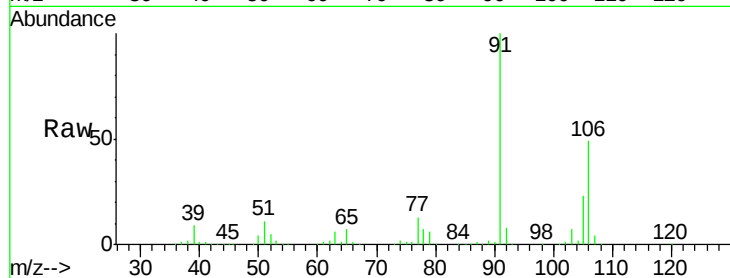
#68
m/p-Xylenes
Concen: 14.870 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
EO-01-022619-B

Tot Ion:106 Resp: 216702
Ion Ratio Lower Upper
106 100
91 204.3 158.9 238.3

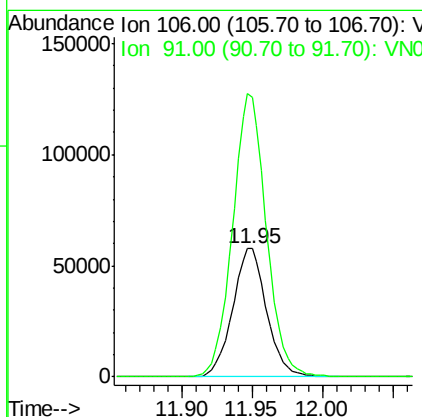
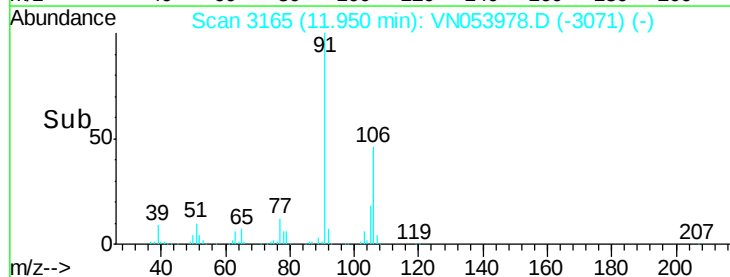
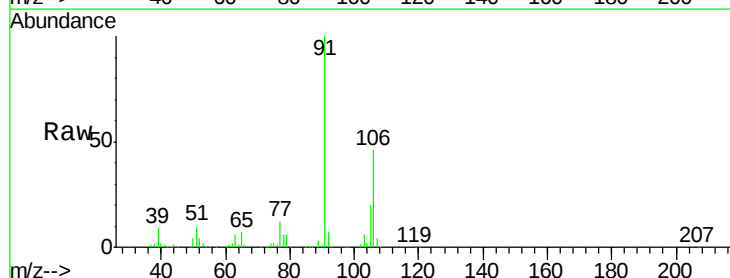
Manual Integrations
APPROVED

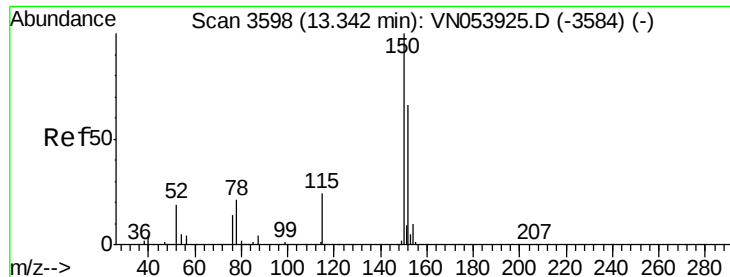
MMDadoda
2/28/2019 2:55:41 PM



#69
o-Xylene
Concen: 6.787 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Tgt Ion:106 Resp: 97189
Ion Ratio Lower Upper
106 100
91 218.9 106.0 318.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

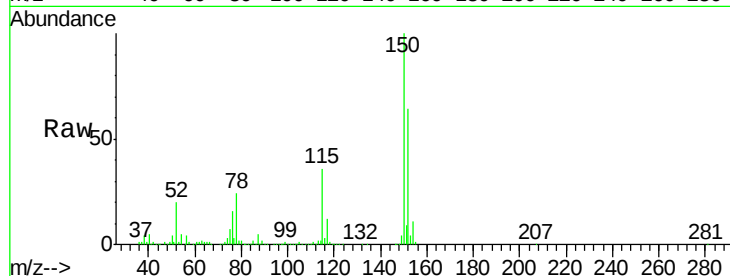
ClientSampleId :

EO-01-022619-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.4	27.2	81.6
150	156.0	0.0	348.2

Manual Integrations
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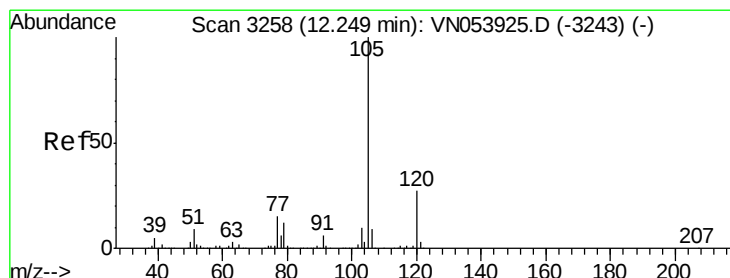
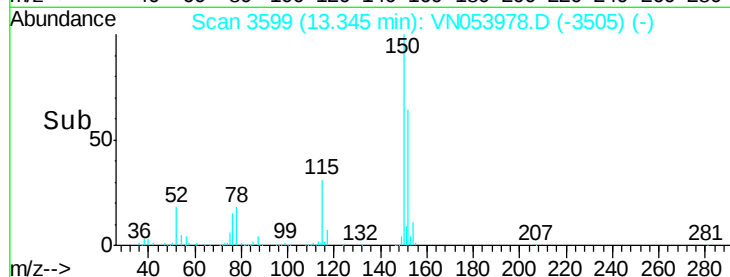
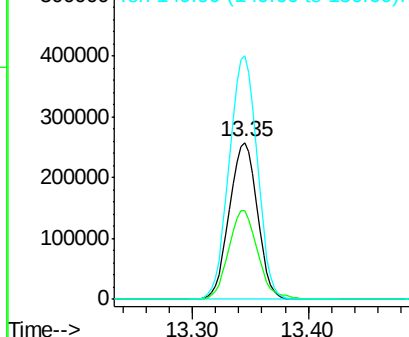


Abundance

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: 0.228 ug/l

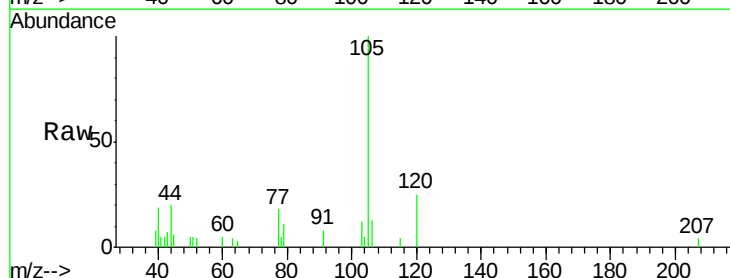
RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

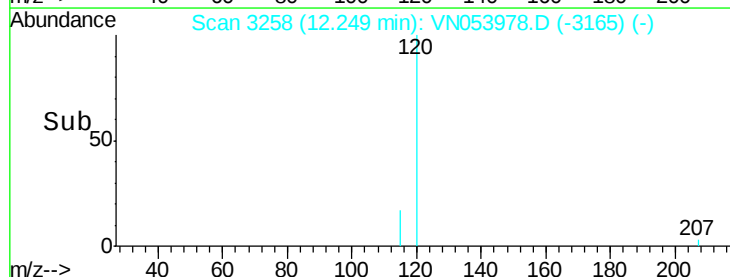
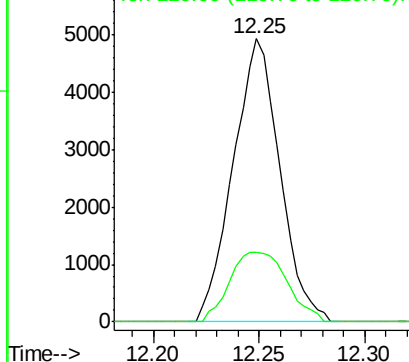
Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.2	13.5	40.5

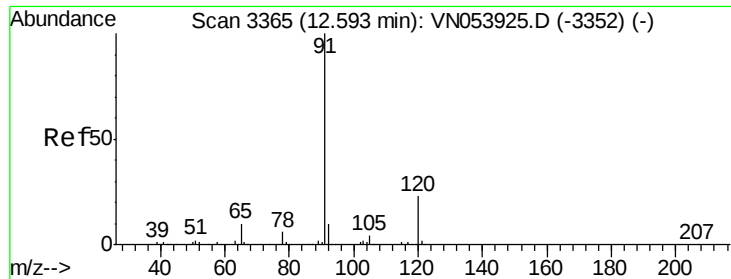


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.197 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053978.D

Acq: 27 Feb 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

EO-01-022619-B

Tot Ion: 91 Resp: 45357

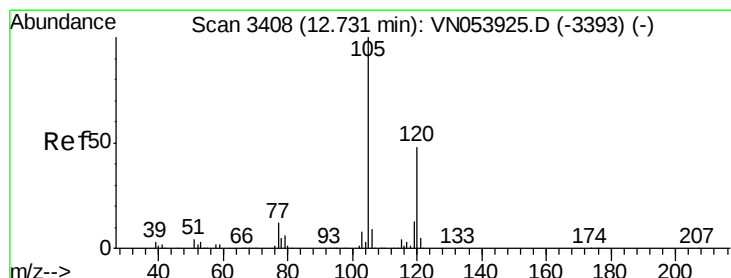
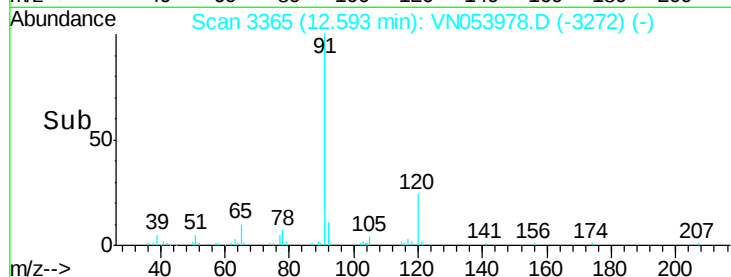
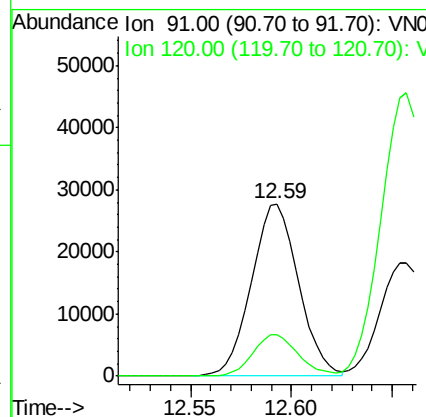
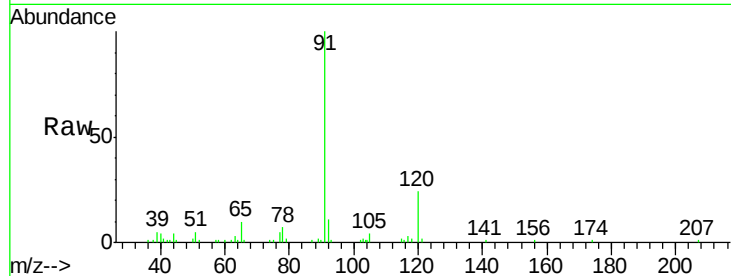
Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.9

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 6.038 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053978.D

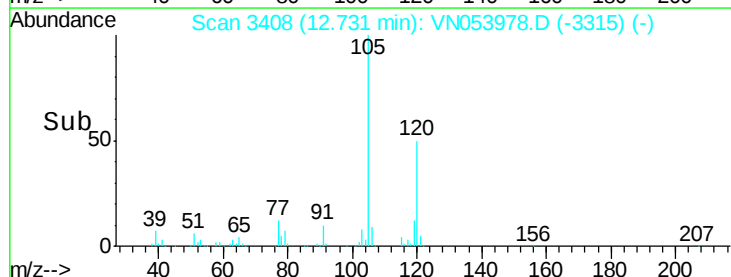
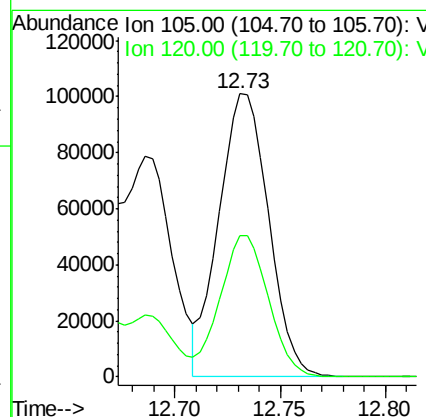
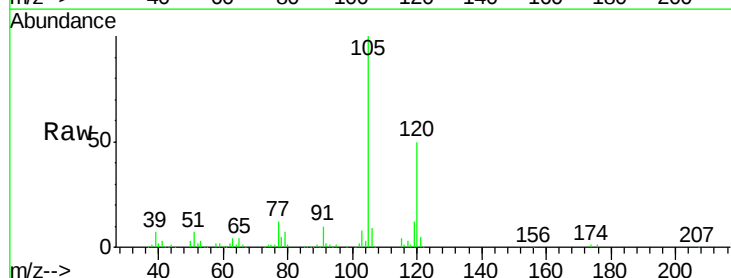
Acq: 27 Feb 2019 19:44

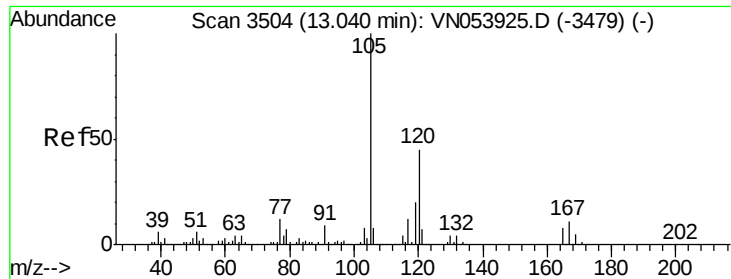
Tgt Ion: 105 Resp: 164624

Ion Ratio Lower Upper

105 100

120 48.8 25.1 75.2





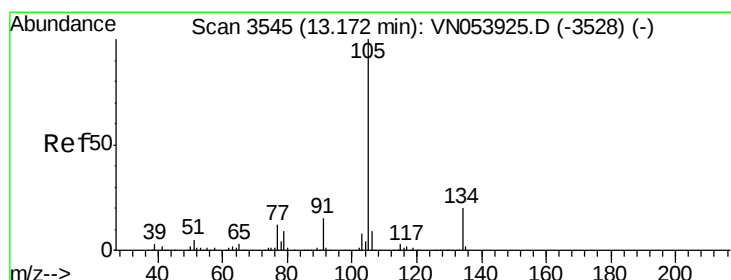
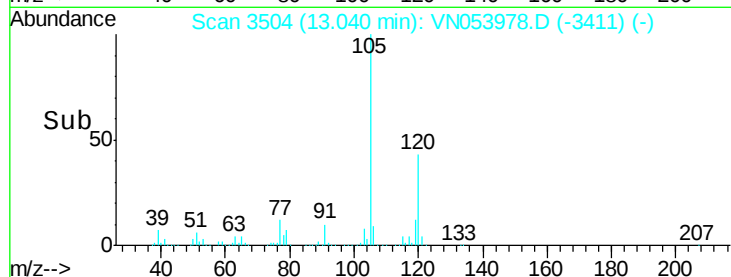
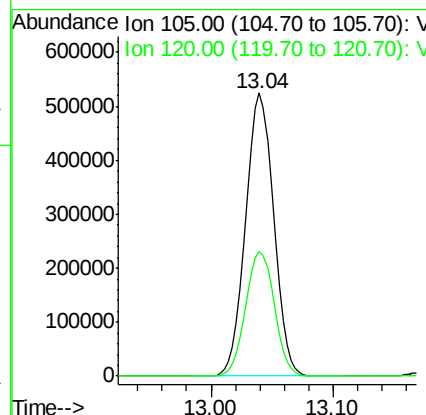
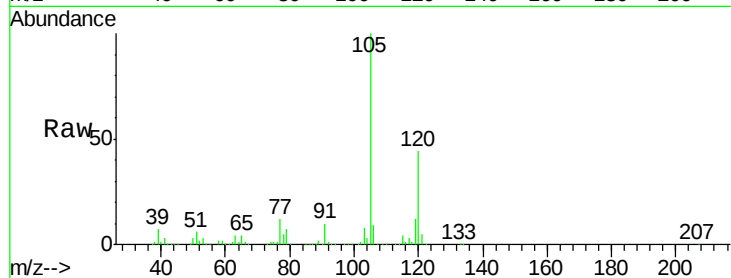
#84
 1,2,4-Trimethylbenzene
 Concen: 30.536 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-022619-B

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.2	69.5

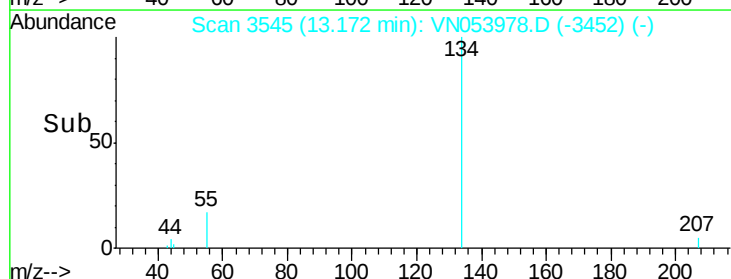
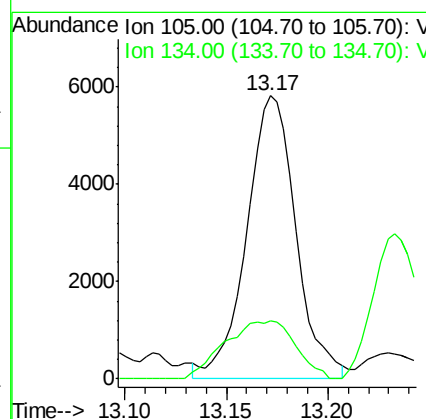
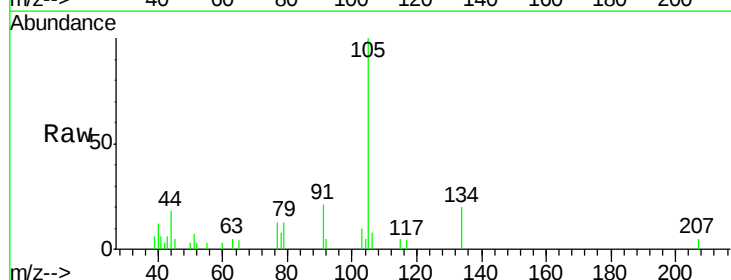
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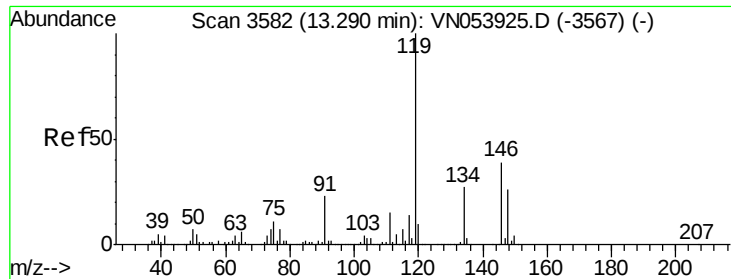
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#85
 sec-Butylbenzene
 Concen: 0.298 ug/l m
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053978.D
 Acq: 27 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
105	100		
134	4.7	10.4	31.1#





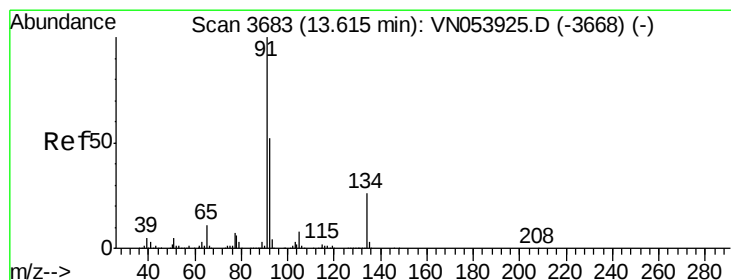
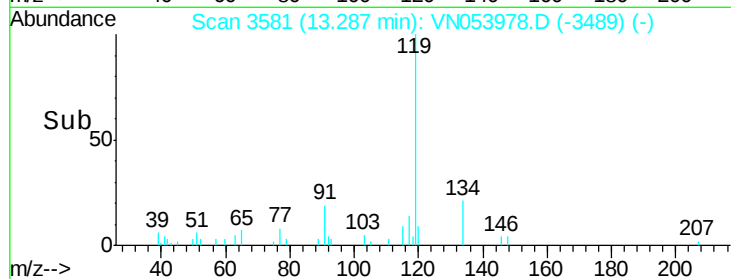
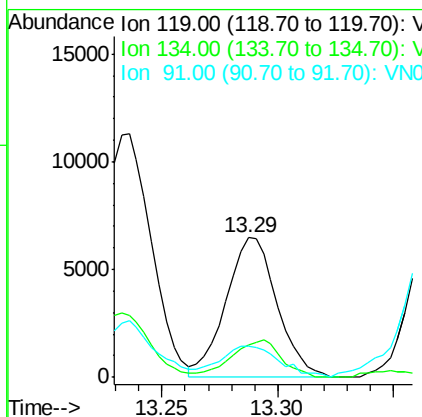
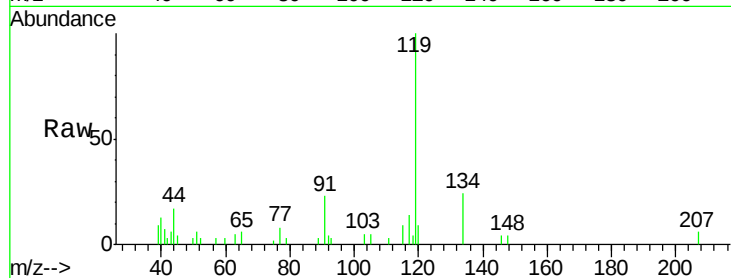
#86
p-Isopropyltoluene
Concen: 0.358 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
EO-01-022619-B

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.5	40.4
91	25.9	10.9	32.6

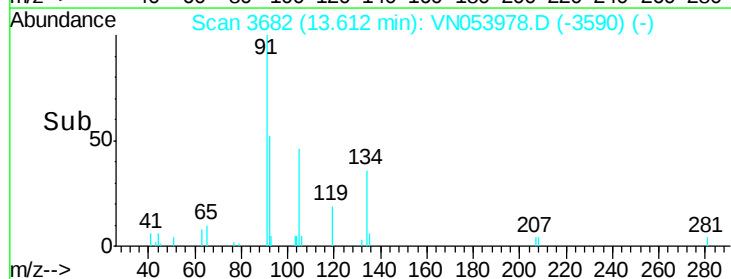
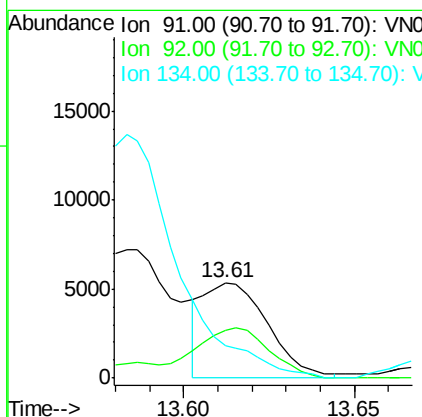
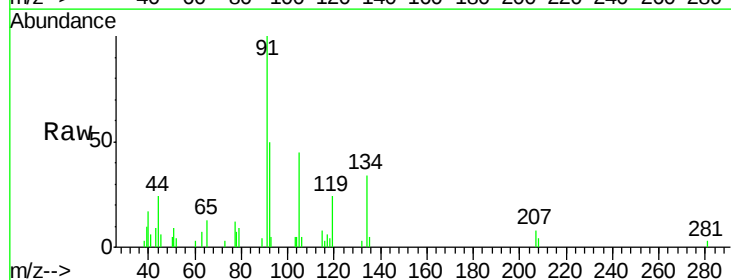
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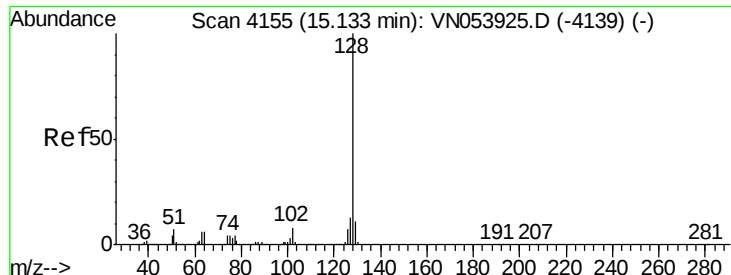
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#89
n-Butylbenzene
Concen: 0.301 ug/l m
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	14.0	26.1	78.2#
134	354.7	13.6	40.8#





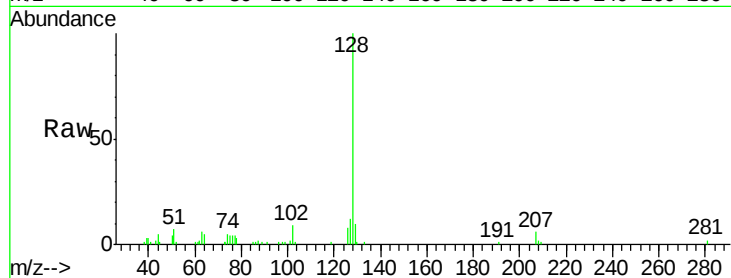
#95
Naphthalene
Concen: 5.711 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053978.D
Acq: 27 Feb 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
EO-01-022619-B

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.2
129	11.5	8.6	12.8

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

