

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100219\
 Data File : VN058486.D
 Acq On : 2 Oct 2019 19:36
 Operator : JC/SP
 Sample : K5095-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-3

Manual Integrations
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 10/3/2019 1:30:50 PM

Quant Time: Oct 03 05:53:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	364104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	624481	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	534692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	208721	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	278296	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	
35) Dibromofluoromethane	7.57	113	193915	50.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.34%	
50) Toluene-d8	10.09	98	787323	52.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.02%	
62) 4-Bromofluorobenzene	12.41	95	245885	45.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.70%	
Target Compounds						
					Qvalue	
16) Acetone	3.80	43	38711	21.342	ug/l	99
20) Methylene Chloride	4.53	84	282874	67.580	ug/l	98
24) 1,1-Dichloroethane	5.83	63	11830	1.563	ug/l #	95
27) cis-1,2-Dichloroethene	6.82	96	23176	5.192	ug/l	91
40) Benzene	8.03	78	19515	1.137	ug/l	95
43) Isopropyl Acetate	8.16	43	116203	12.206	ug/l #	92
64) Tetrachloroethene	10.63	164	3965	1.167	ug/l	93
65) Chlorobenzene	11.44	112	45805	4.310	ug/l	96
67) Ethyl Benzene	11.52	91	19943	1.036	ug/l	98
68) m/p-Xylenes	11.62	106	9076	1.253	ug/l	96
69) o-Xylene	11.95	106	8640	1.239	ug/l	97
73) Isopropylbenzene	12.26	105	36088	2.340	ug/l	100
78) n-propylbenzene	12.60	91	108759	6.258	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	200630	15.538	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	197039	15.231	ug/l	99
85) sec-Butylbenzene	13.18	105	30045	2.095	ug/l #	74
86) p-Isopropyltoluene	13.30	119	23706	1.878	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	18090	2.772	ug/l	86
89) n-Butylbenzene	13.62	91	18268m	1.598	ug/l	
91) 1,2-Dichlorobenzene	13.66	146	7145	1.134	ug/l	89
95) Naphthalene	15.14	128	30663	2.979	ug/l	100

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

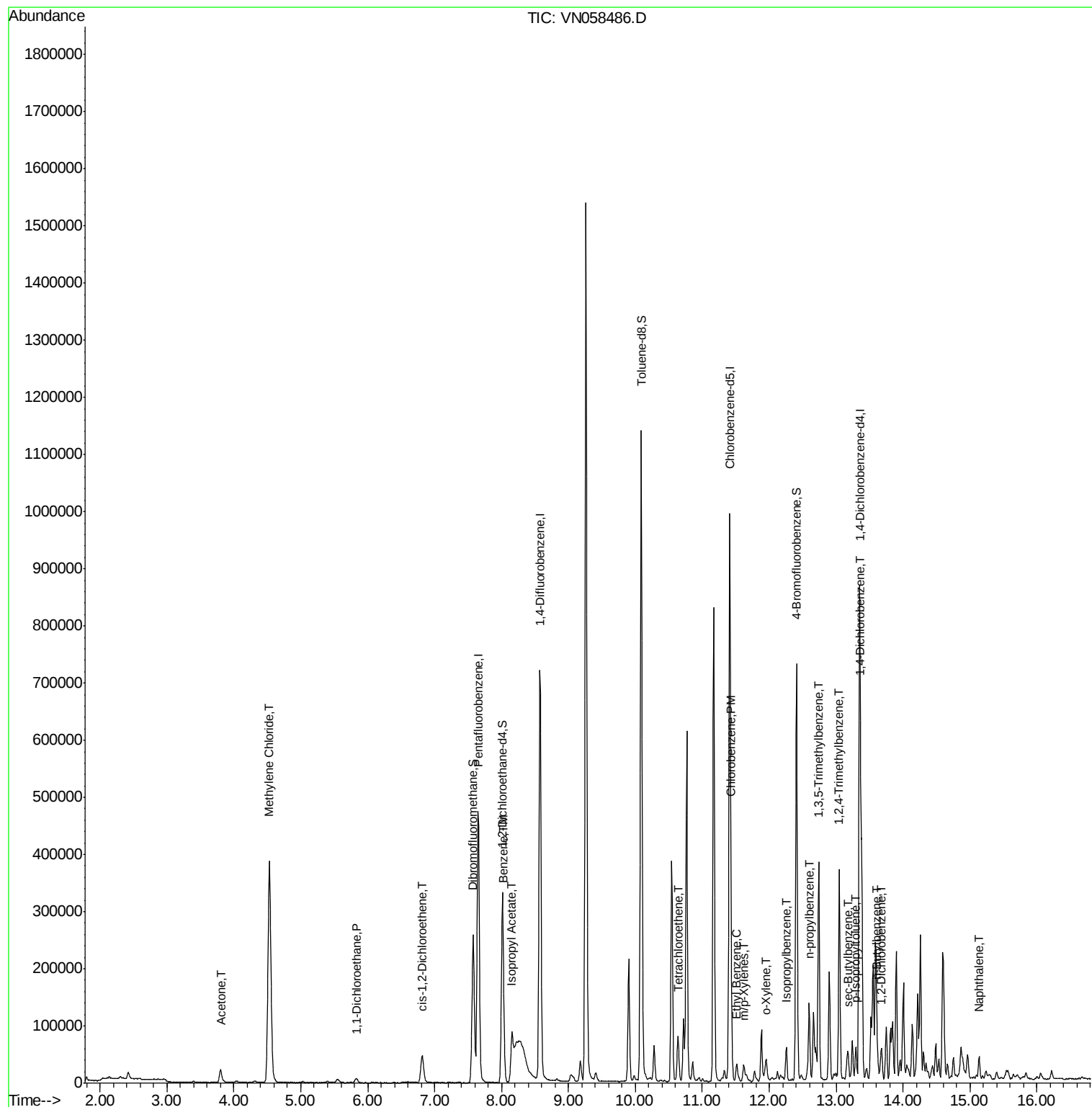
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100219\
Data File : VN058486.D
Acq On : 2 Oct 2019 19:36
Operator : JC/SP
Sample : K5095-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

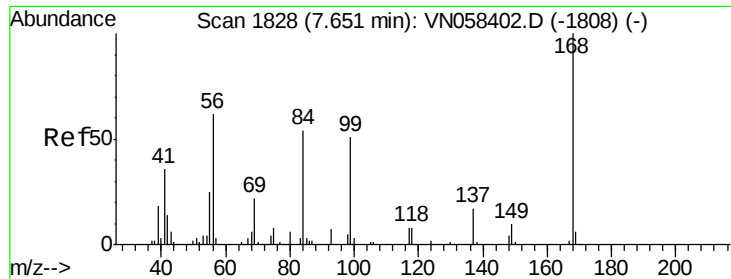
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3

Manual Integrations
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Quant Time: Oct 03 05:53:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058486.D

Acq: 2 Oct 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-3

Tot Ion:168 Resp: 364104

Ion Ratio Lower Upper

168 100

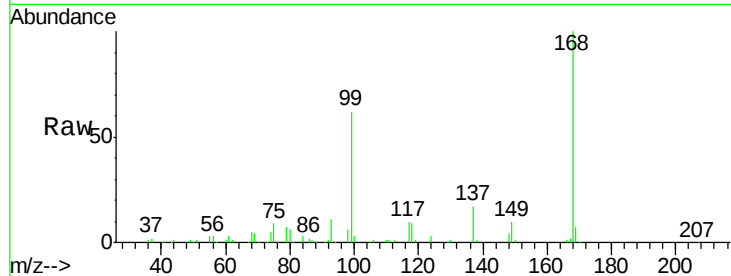
99 61.7 47.7 71.5

Manual Integrations

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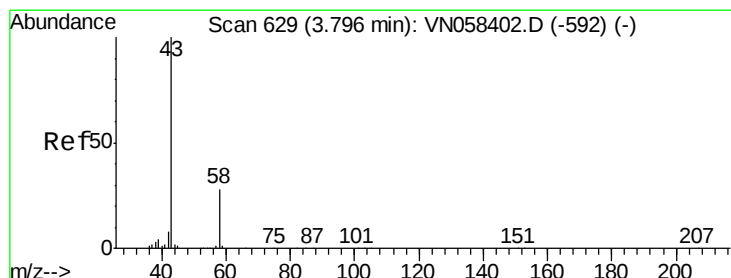
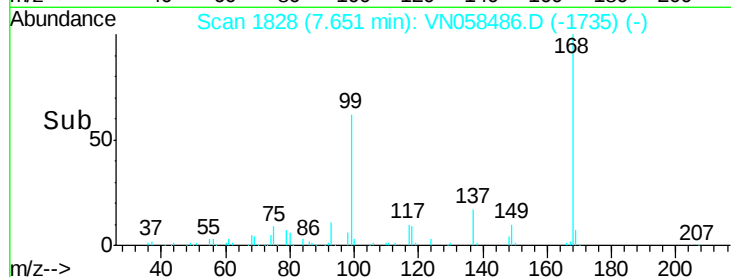
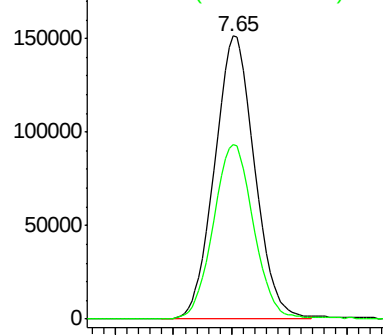
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 21.342 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058486.D

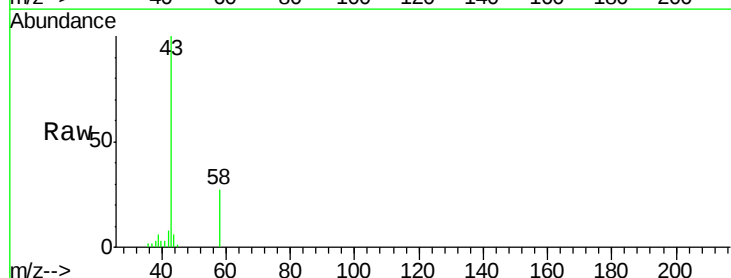
Acq: 2 Oct 2019 19:36

Tgt Ion: 43 Resp: 38711

Ion Ratio Lower Upper

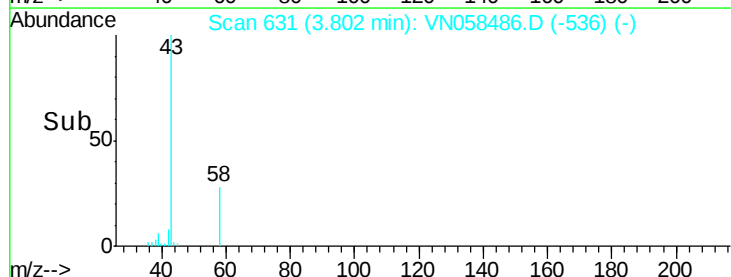
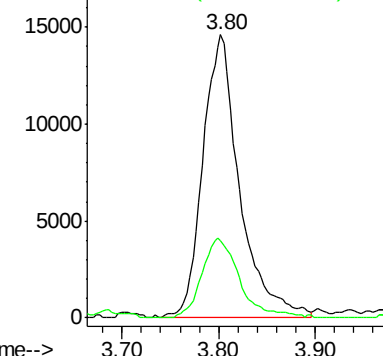
43 100

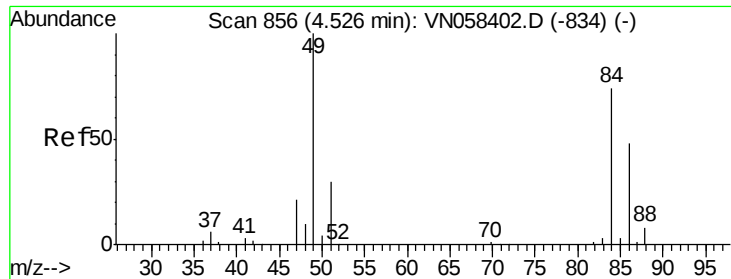
58 27.2 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





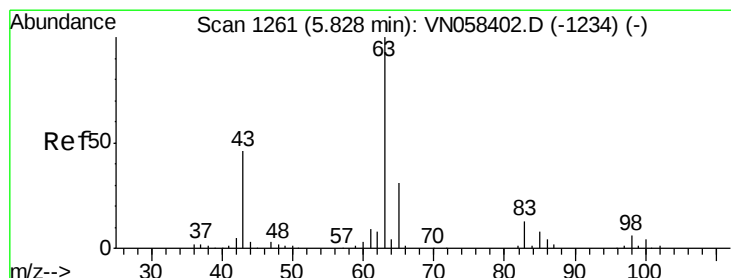
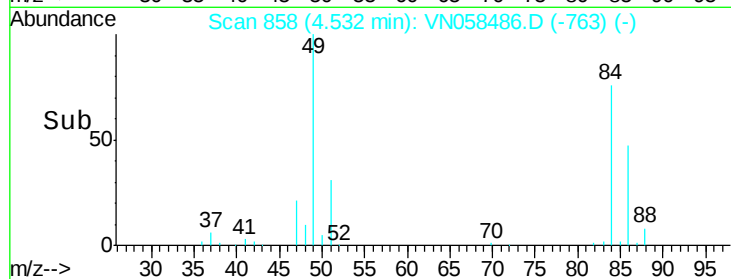
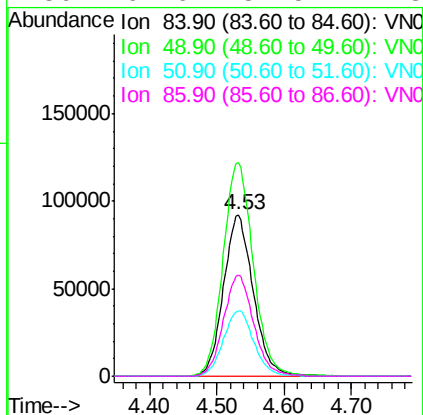
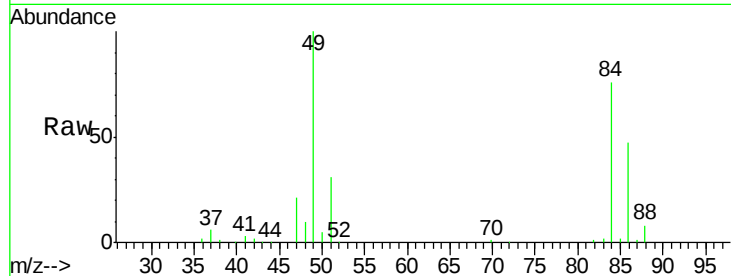
#20
Methvlene Chloride
Concen: 67.580 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3

Tot Ion	84	Resp	282874
Ion	Ratio	Lower	Upper
84	100		
49	132.3	107.9	161.9
51	40.4	32.8	49.2
86	62.6	51.5	77.3

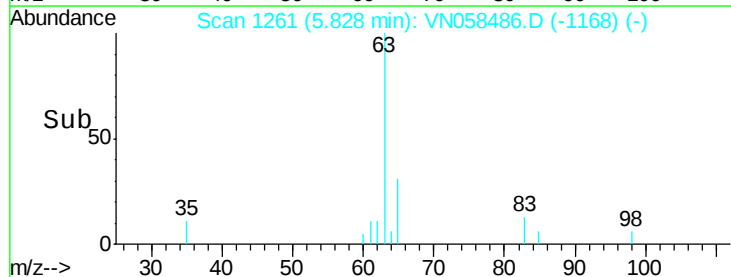
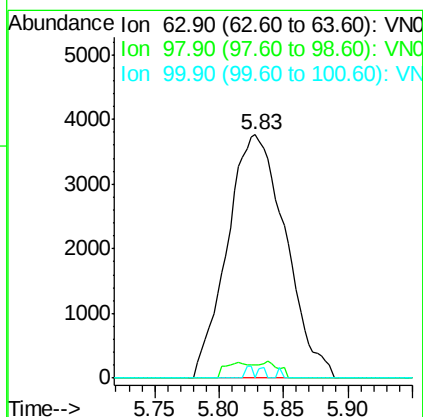
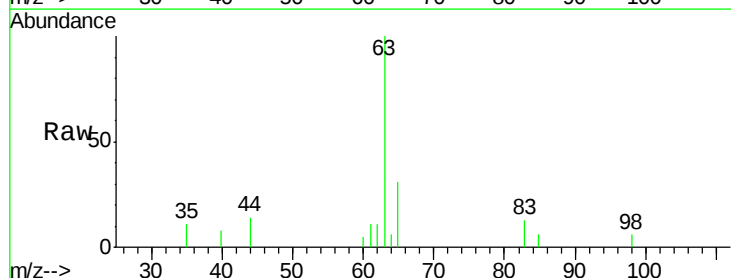
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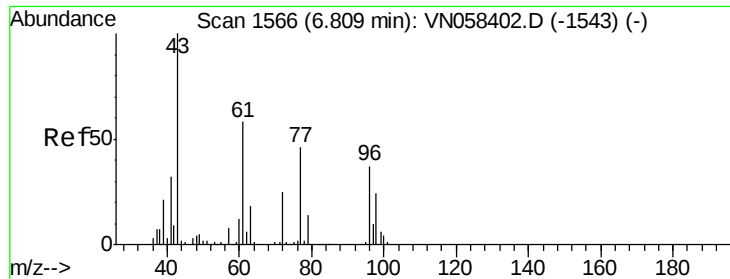
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#24
1,1-Dichloroethane
Concen: 1.563 ug/l
RT: 5.83 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Tgt Ion	63	Resp	11830
Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.0	9.0
100	0.0	2.0	5.8#





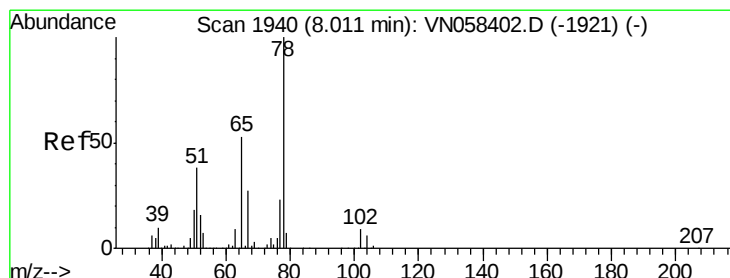
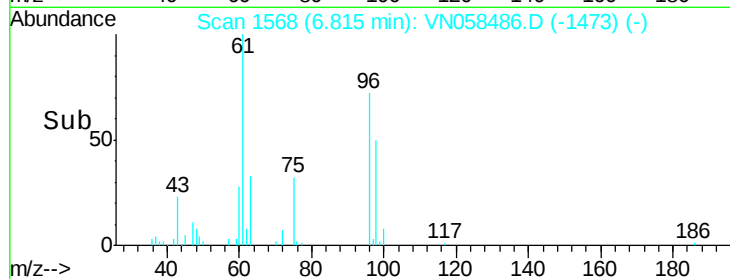
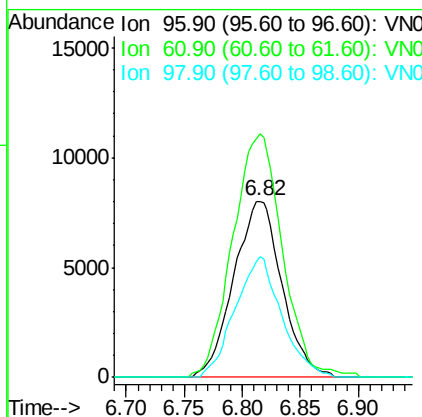
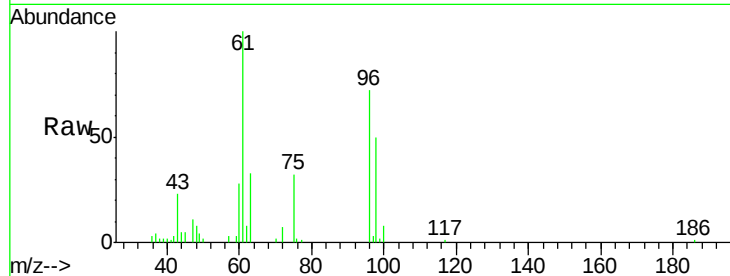
#27
 cis-1,2-Dichloroethene
 Concen: 5.192 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VN058486.D
 Acq: 2 Oct 2019 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-3

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.9	0.0	318.8	
98	66.1	0.0	129.8	

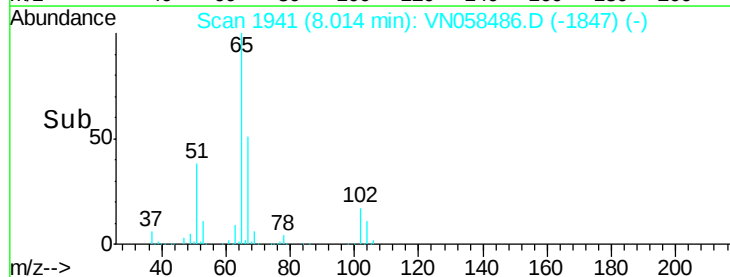
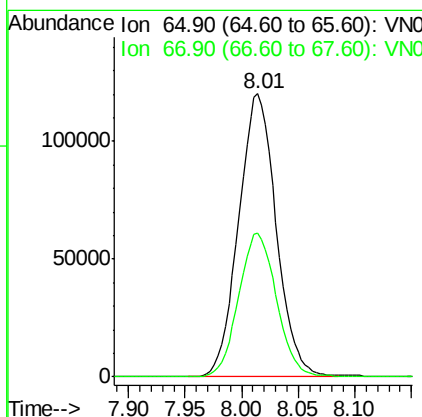
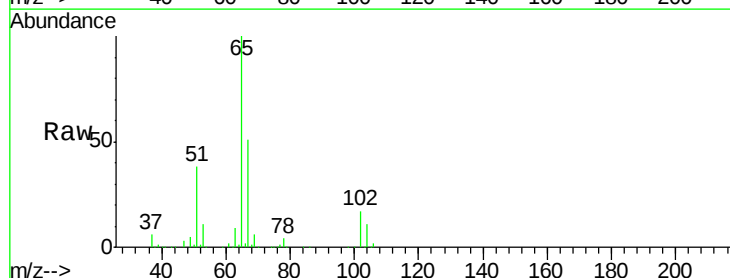
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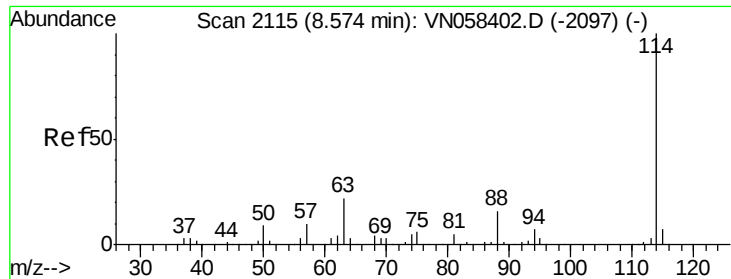
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#33
 1,2-Dichloroethane-d4
 Concen: 52.303 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058486.D
 Acq: 2 Oct 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.2	0.0	102.4	





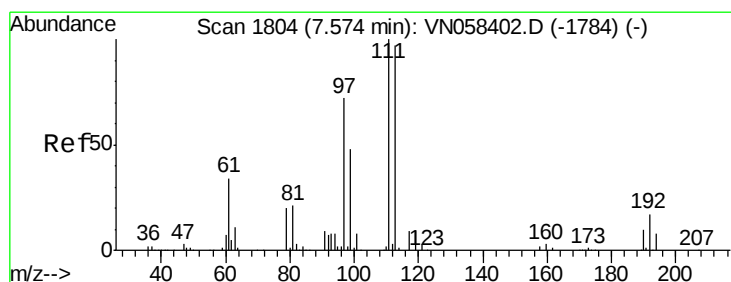
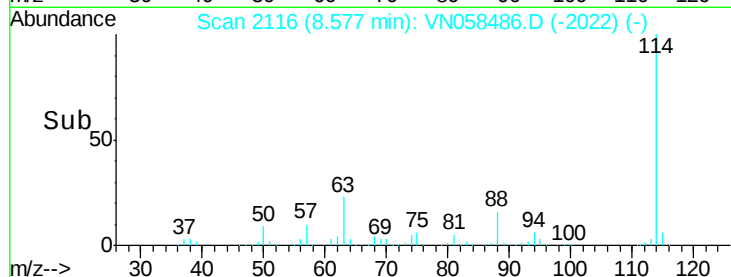
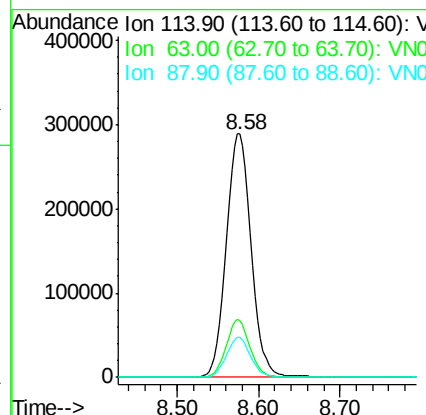
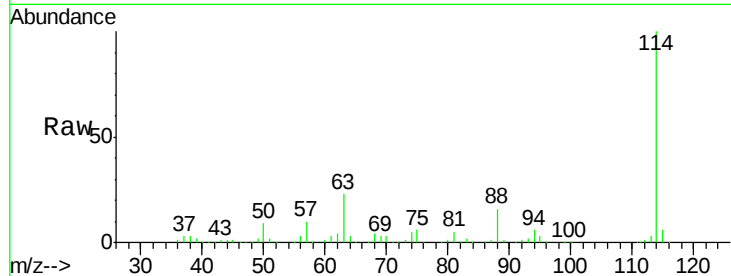
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2116
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	23.3	0.0	45.0
88	16.3	0.0	32.2

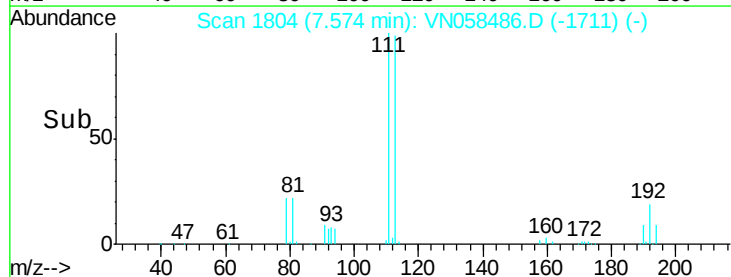
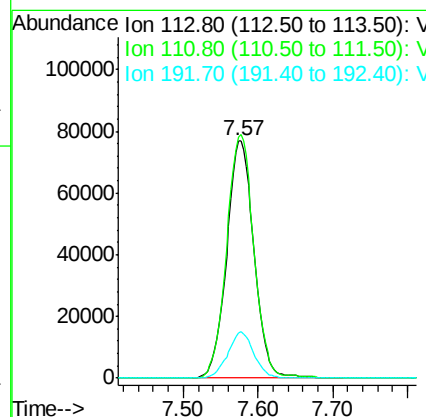
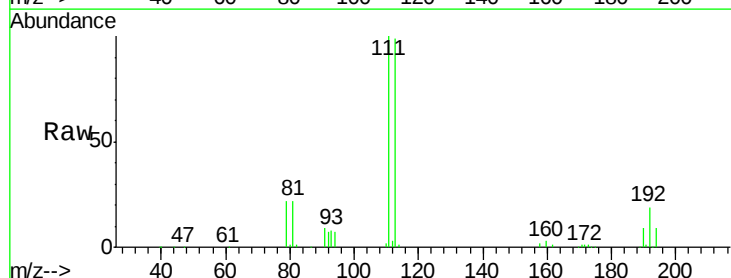
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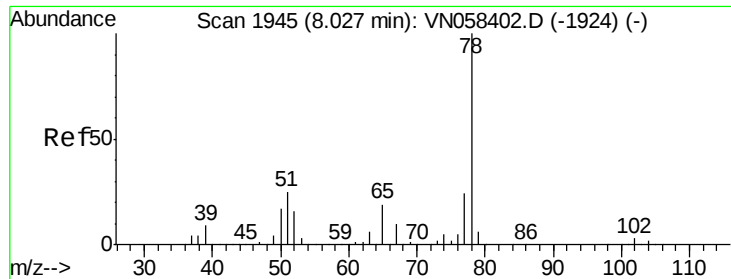
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#35
Dibromofluoromethane
Concen: 50.665 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.8	83.4	125.2
192	18.5	14.9	22.3





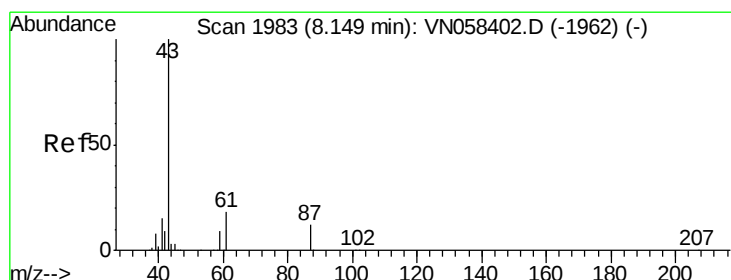
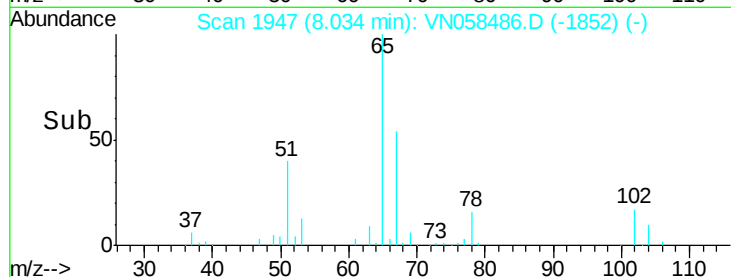
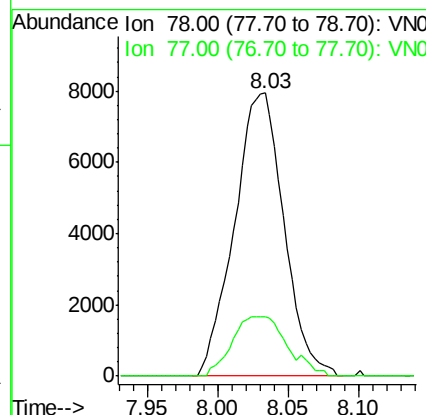
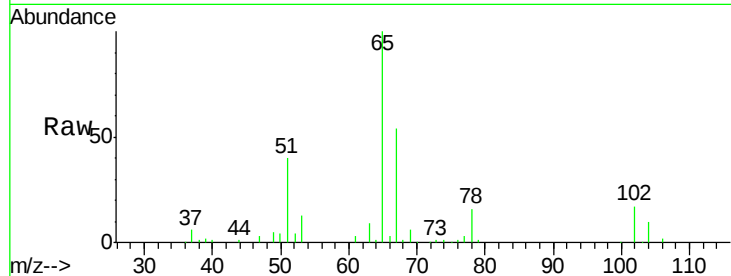
#40
Benzene
Concen: 1.137 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.01 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.9	18.9	28.3

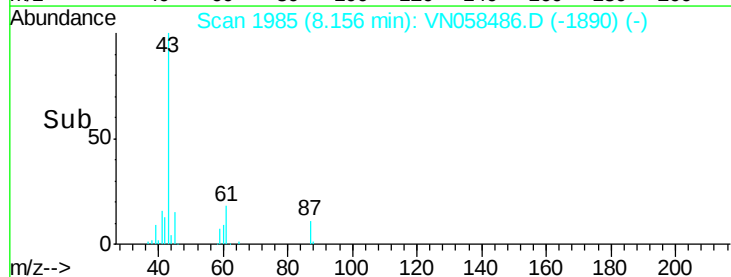
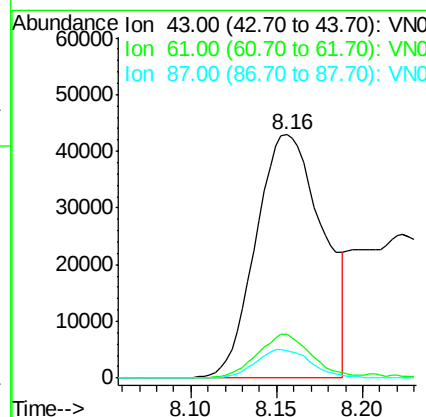
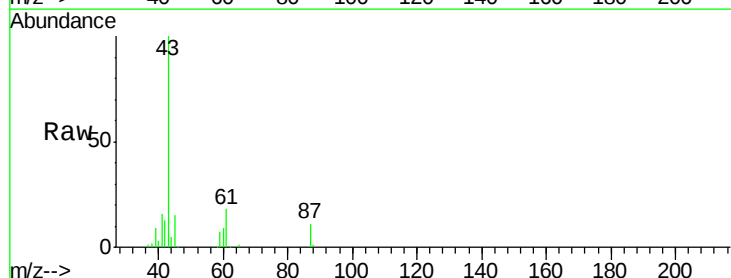
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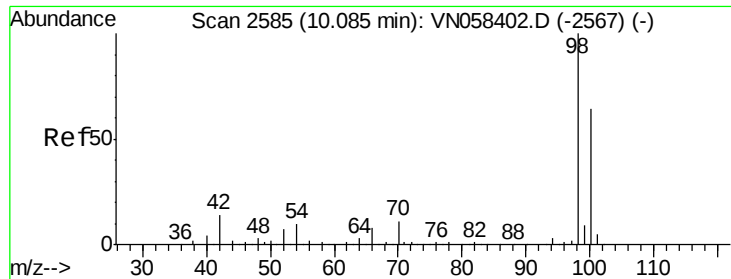
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#43
Isopropyl Acetate
Concen: 12.206 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.01 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.6	14.8	22.2#
87	9.7	9.7	14.5#





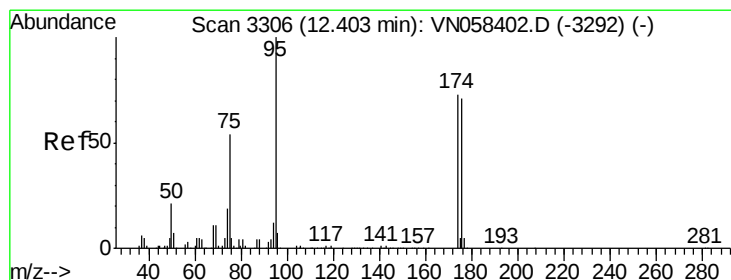
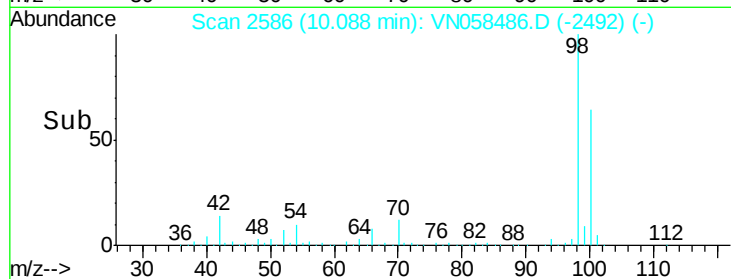
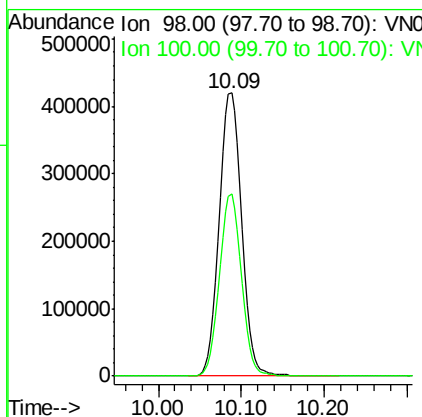
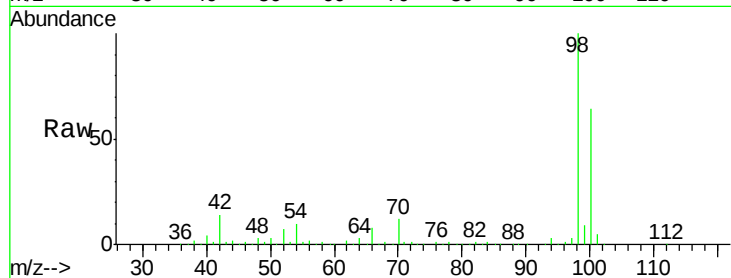
#50
Toluene-d8
Concen: 52.511 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3

Tot Ion: 98 Resp: 787323
Ion Ratio Lower Upper
98 100
100 63.0 51.0 76.6

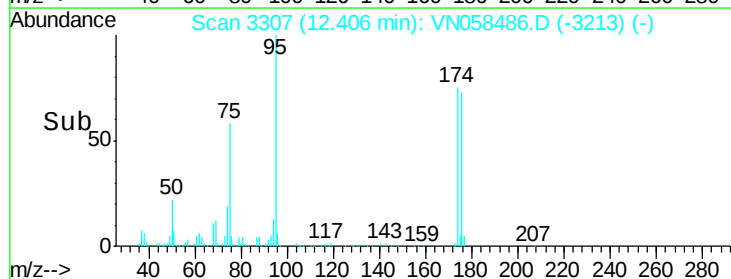
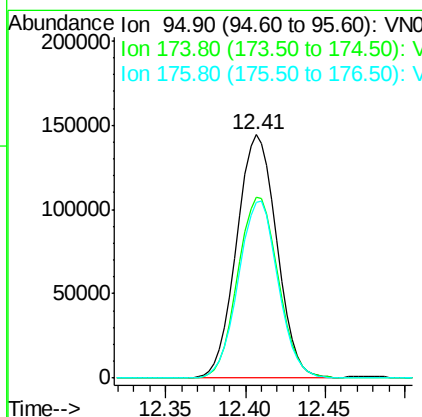
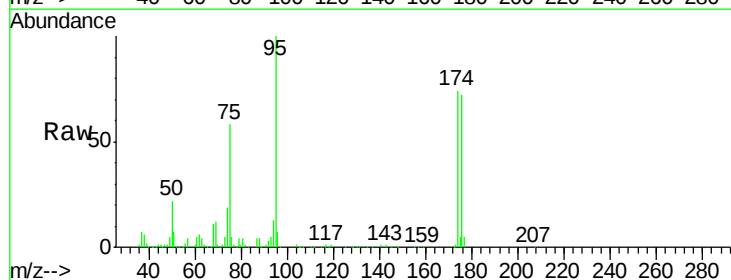
Manual Integrations
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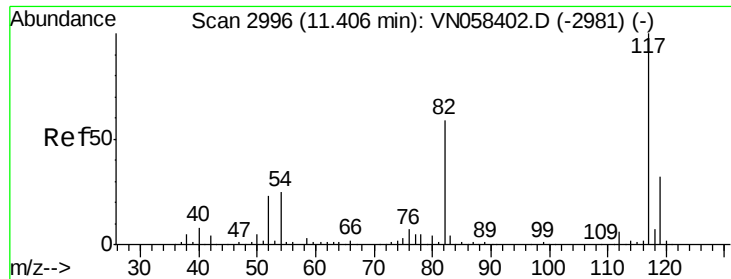
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#62
4-Bromofluorobenzene
Concen: 45.355 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Tgt Ion: 95 Resp: 245885
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.6
176 72.6 0.0 146.2





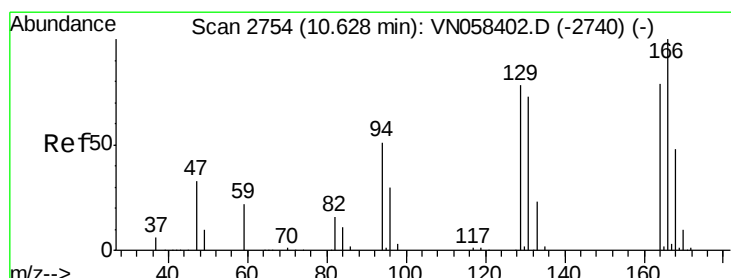
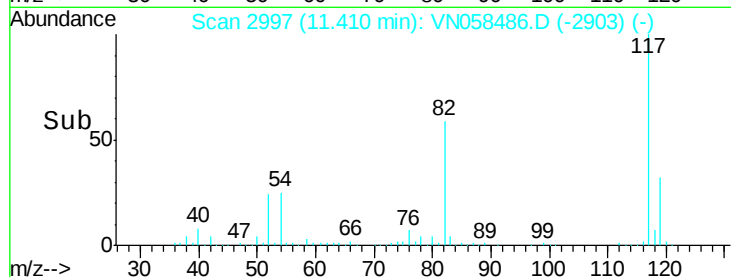
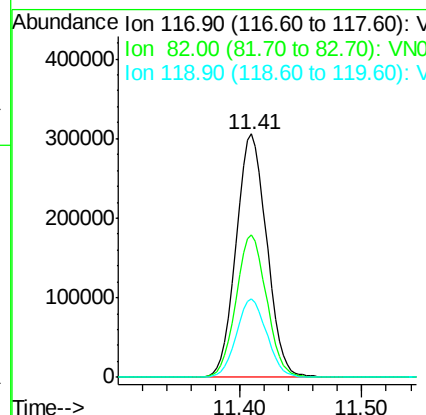
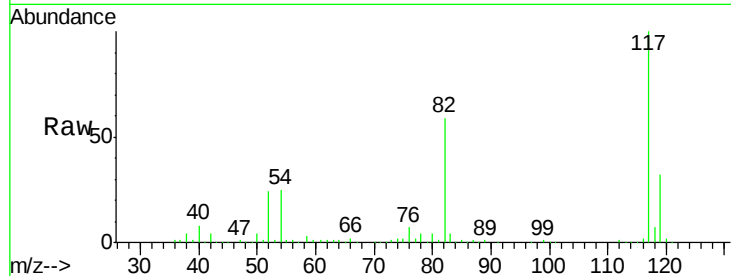
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.4	71.0
119	32.3	25.5	38.3

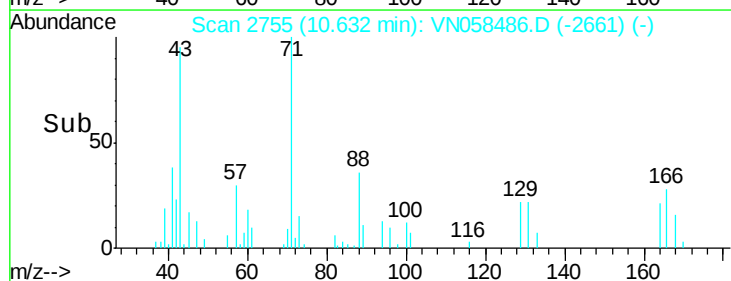
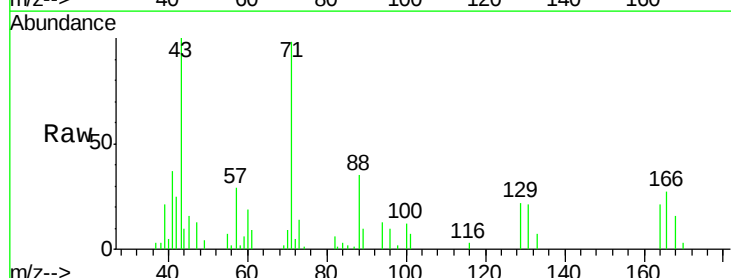
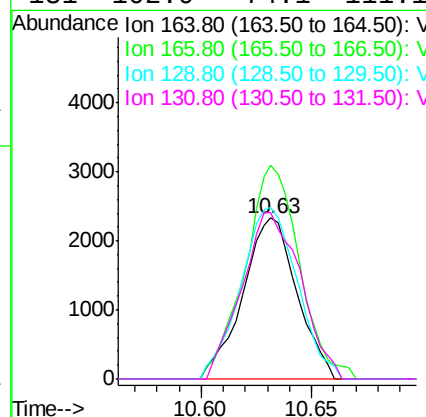
Manual Integrations
APPROVED

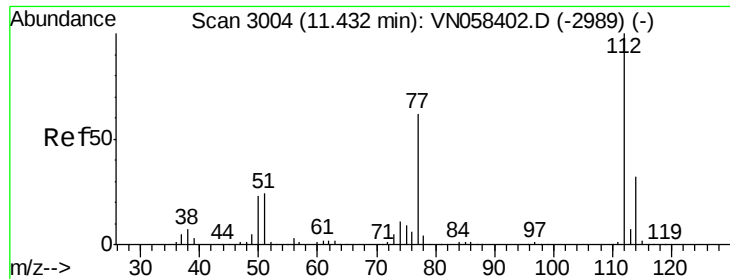
MMDadoda
10/3/2019 1:30:50 PM



#64
Tetrachloroethene
Concen: 1.167 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.5	101.1	151.7
129	106.0	79.2	118.8
131	102.9	74.1	111.1





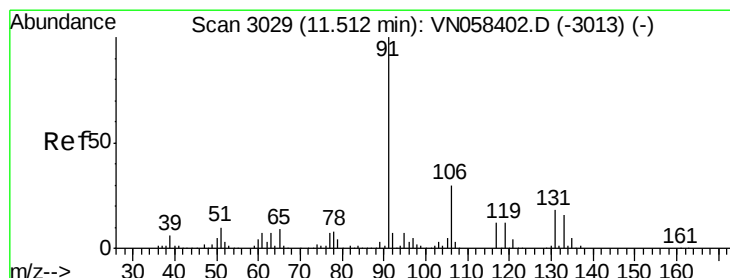
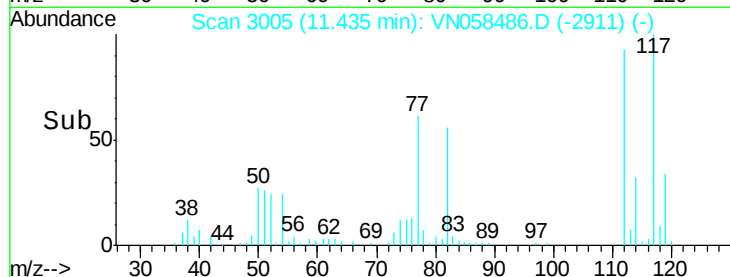
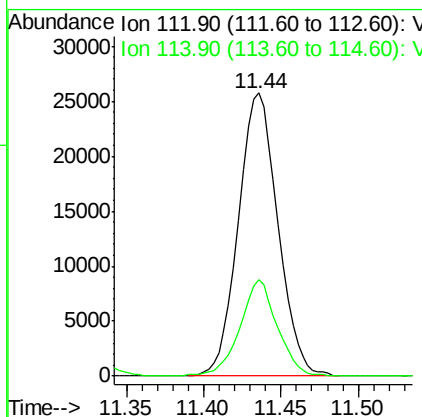
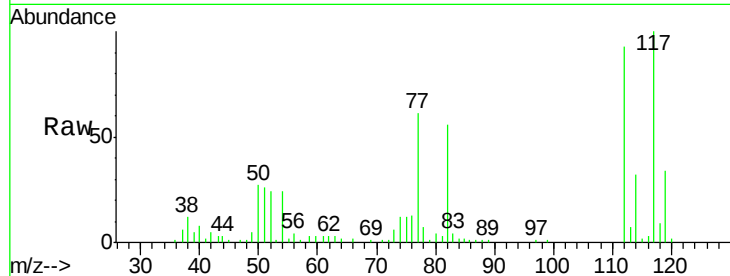
#65
Chlorobenzene
Concen: 4.310 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Instrument :
MSVOA_N
ClientSampled :
COMPOSITE-3

Tot Ion:112 Resp: 45805
Ion Ratio Lower Upper
112 100
114 34.2 25.4 38.2

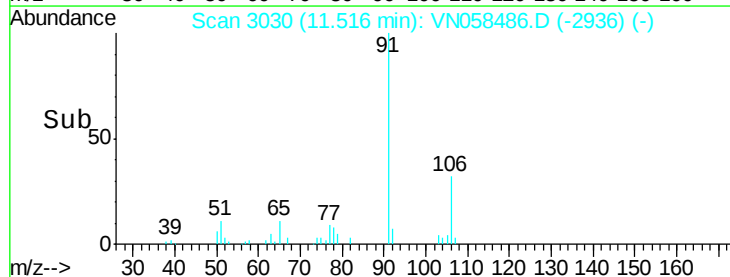
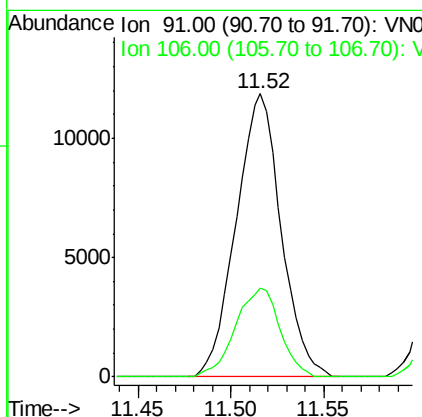
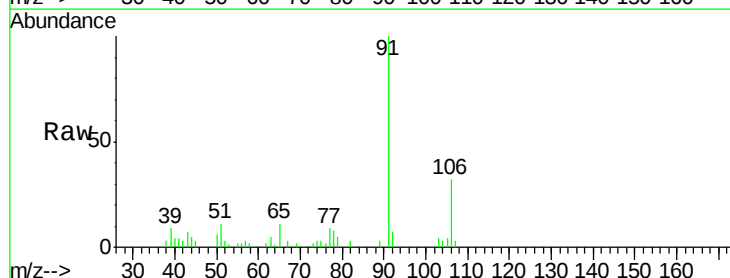
Manual Integrations
APPROVED

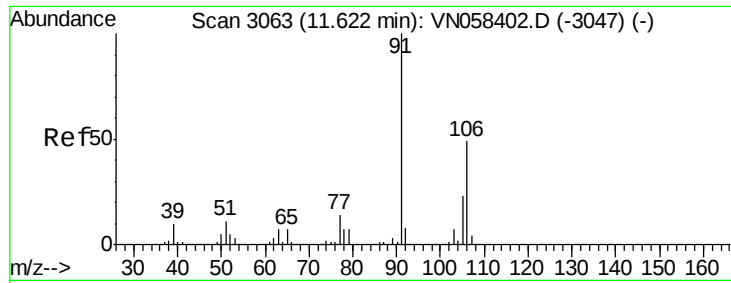
MMDadoda
10/3/2019 1:30:50 PM



#67
Ethyl Benzene
Concen: 1.036 ug/l
RT: 11.52 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Tgt Ion: 91 Resp: 19943
Ion Ratio Lower Upper
91 100
106 31.6 24.3 36.5





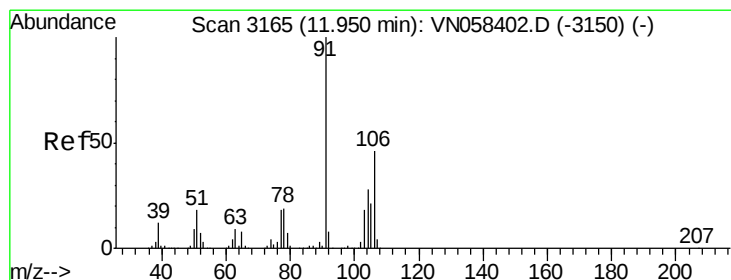
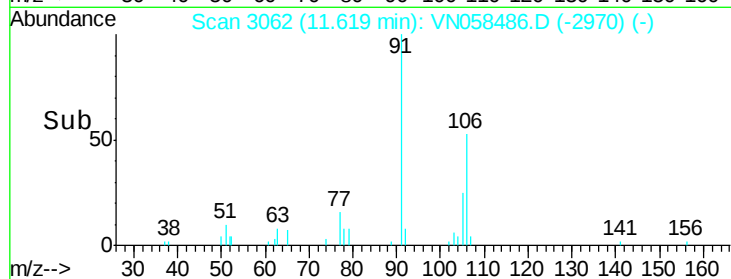
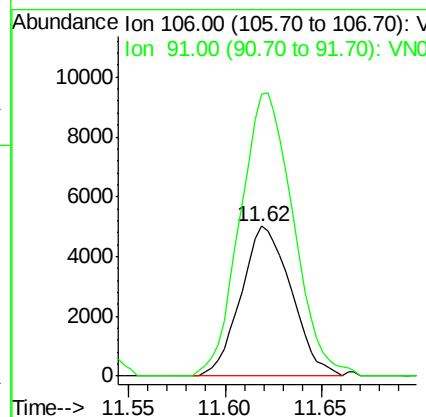
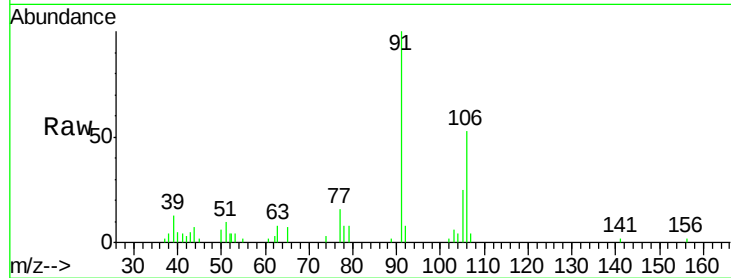
#68
m/p-Xylenes
Concen: 1.253 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Instrument :
MSVOA_N
ClientSampled :
COMPOSITE-3

Tot Ion:106 Resp: 9076
Ion Ratio Lower Upper
106 100
91 199.7 165.0 247.4

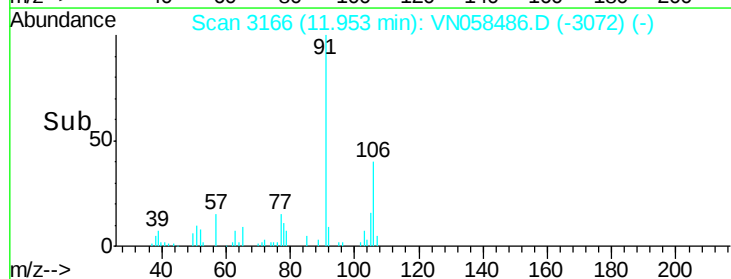
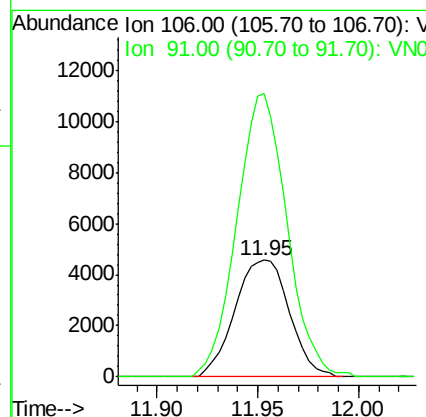
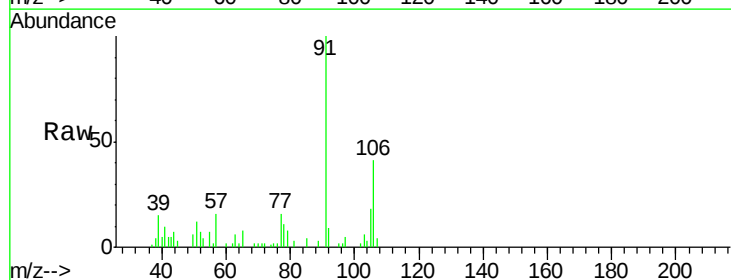
Manual Integrations
APPROVED

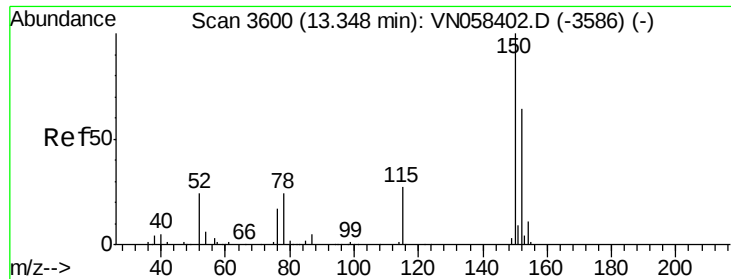
MMDadoda
10/3/2019 1:30:50 PM



#69
o-Xylene
Concen: 1.239 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Tgt Ion:106 Resp: 8640
Ion Ratio Lower Upper
106 100
91 223.1 109.1 327.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058486.D

Acq: 2 Oct 2019 19:36

Instrument :

MSVOA_N

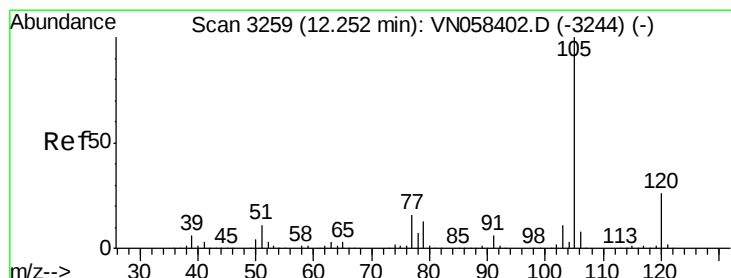
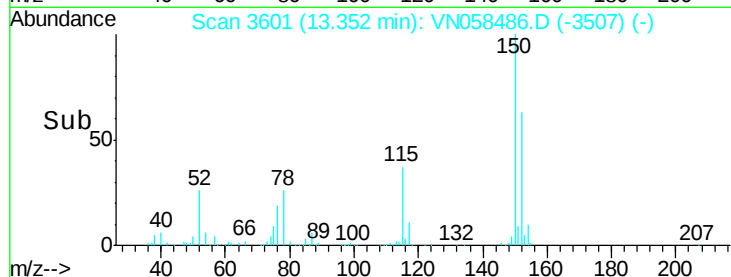
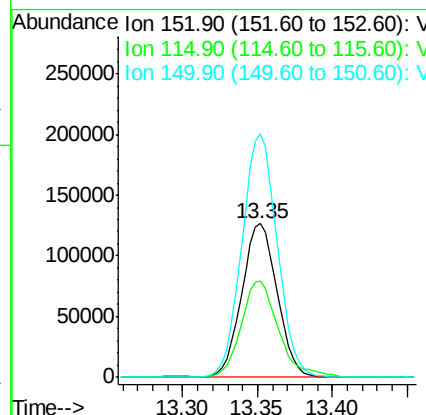
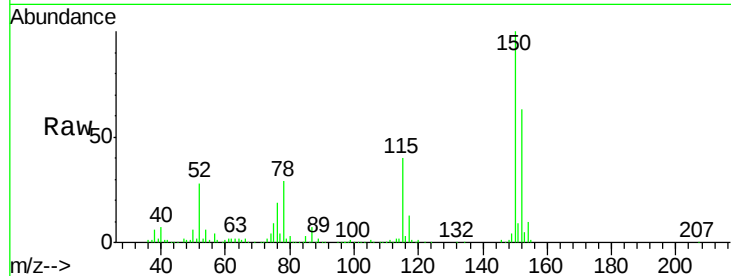
ClientSampleId :

COMPOSITE-3

Tot Ion:	152	Resp:	208721
Ion Ratio	Lower	Upper	
152	100		
115	65.7	30.0	90.0
150	158.1	0.0	348.2

Manual Integrations
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10/3/2019 1:30:50 PM



#73

Isopropylbenzene

Concen: 2.340 ug/l

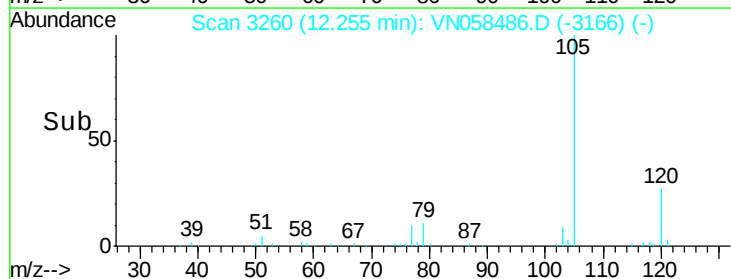
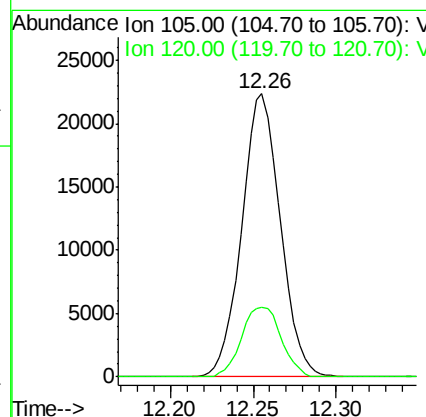
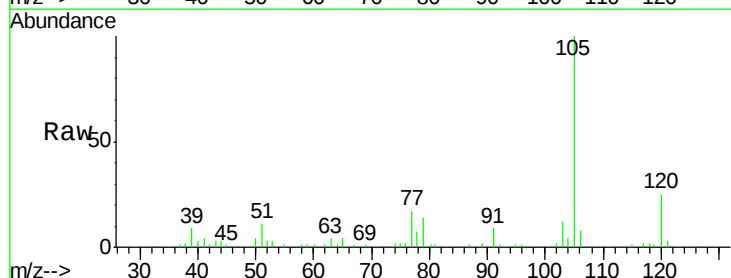
RT: 12.26 min Scan# 3260

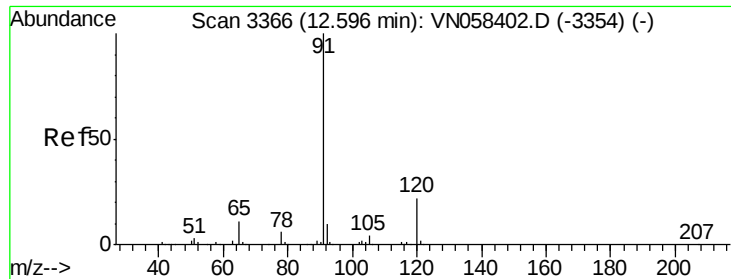
Delta R.T. 0.00 min

Lab File: VN058486.D

Acq: 2 Oct 2019 19:36

Tgt Ion:	105	Resp:	36088
Ion Ratio	Lower	Upper	
105	100		
120	25.5	12.8	38.4





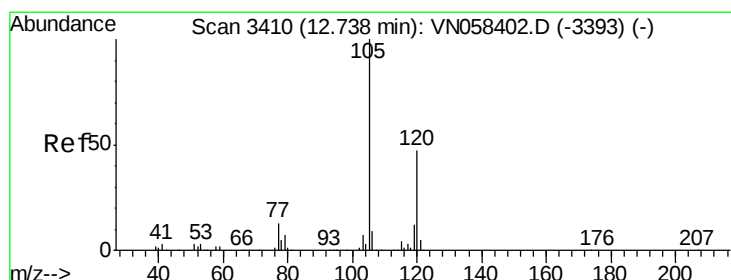
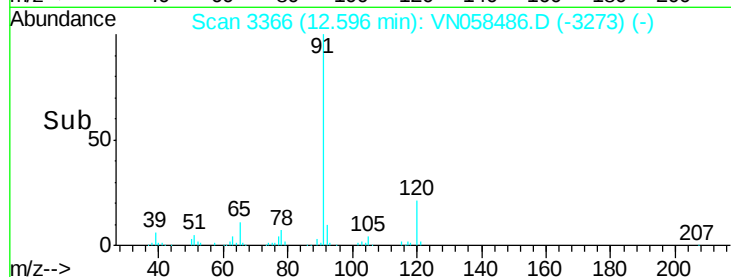
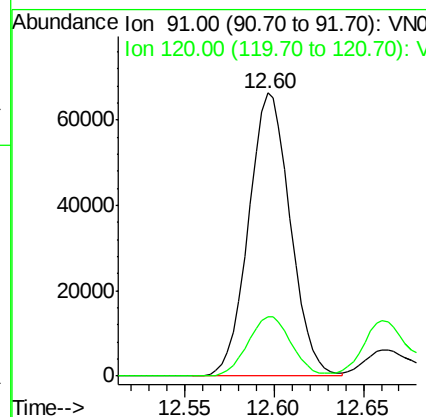
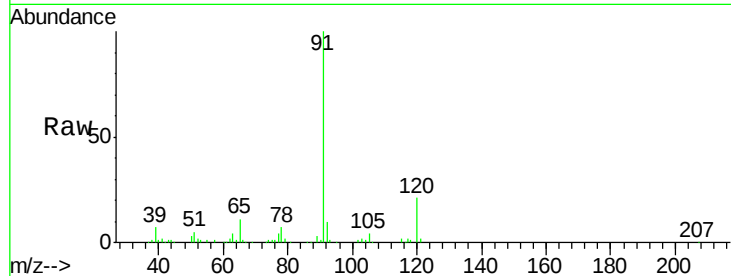
#78
n-propylbenzene
Concen: 6.258 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3

Tot Ion: 91 Resp: 108759
Ion Ratio Lower Upper
91 100
120 21.9 10.9 32.9

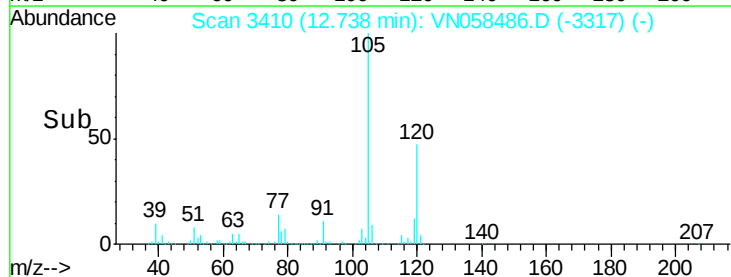
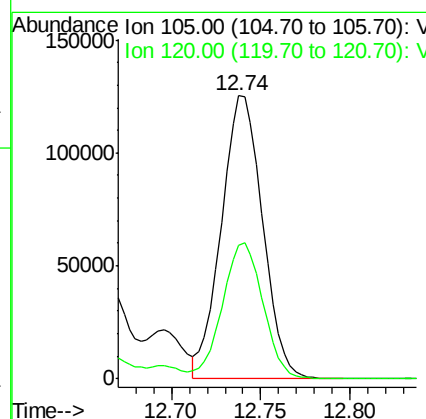
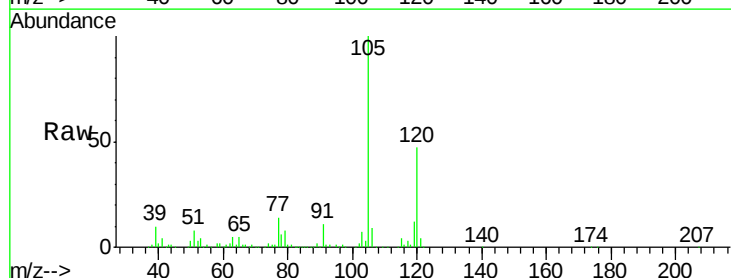
Manual Integrations
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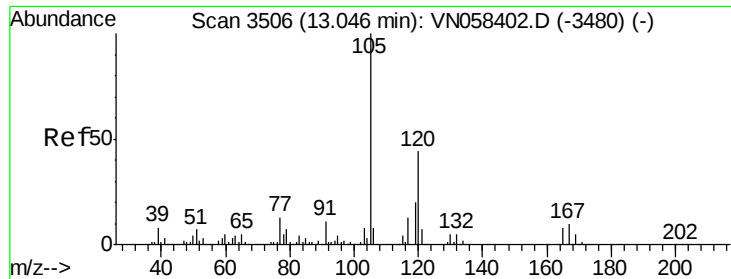
MMDadoda
10/3/2019 1:30:50 PM



#80
1,3,5-Trimethylbenzene
Concen: 15.538 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Tgt Ion: 105 Resp: 200630
Ion Ratio Lower Upper
105 100
120 47.8 23.5 70.6





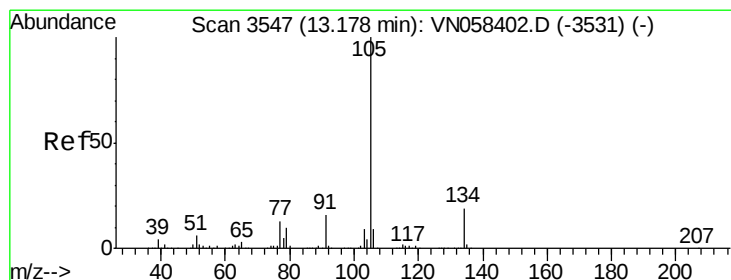
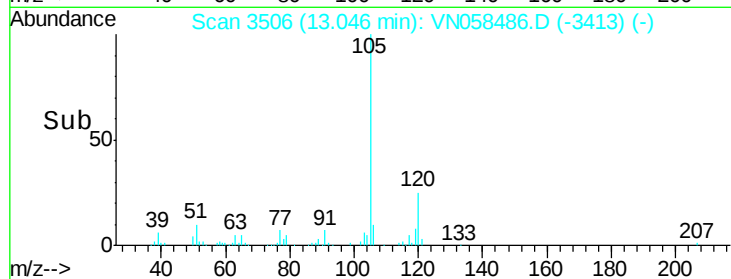
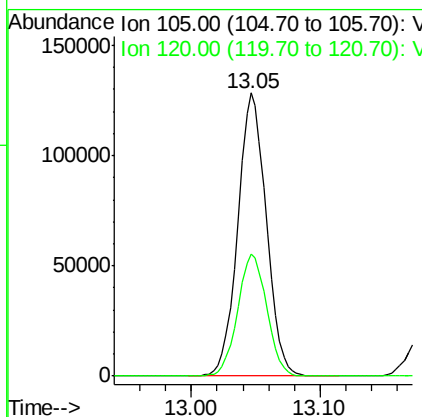
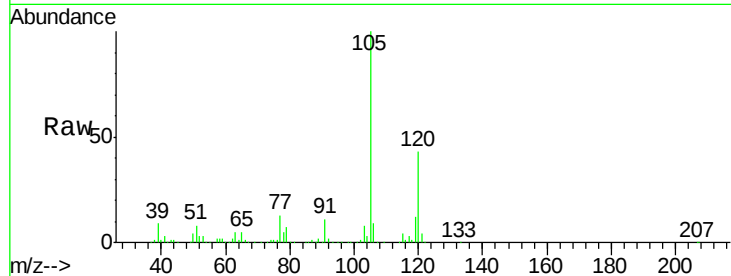
#84
 1,2,4-Trimethylbenzene
 Concen: 15.231 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058486.D
 Acq: 2 Oct 2019 19:36

Instrument :
 MSVOA_N
 ClientSampled :
 COMPOSITE-3

Tot Ion:105 Resp: 197039
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.7 65.1

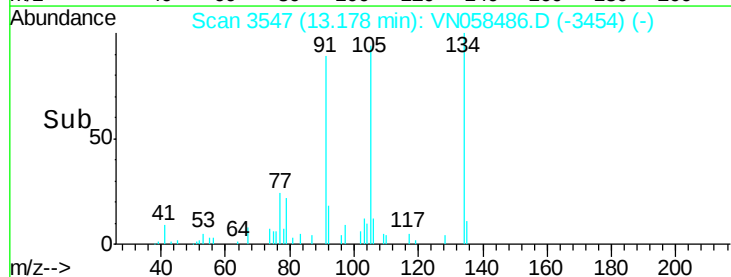
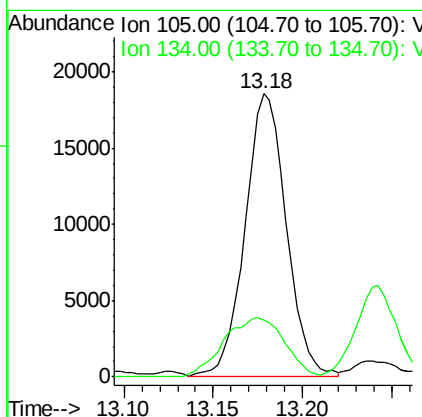
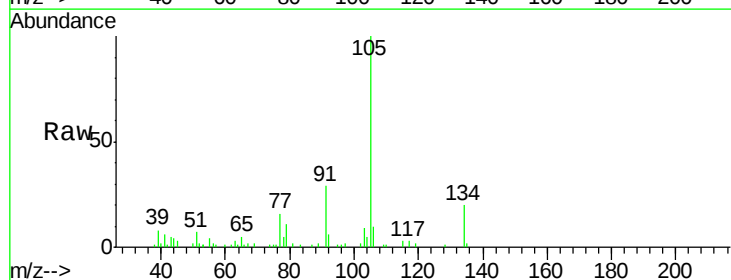
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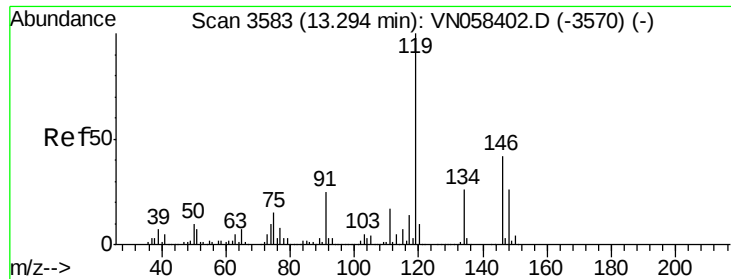
MMDadoda
 10/3/2019 1:30:50 PM



#85
 sec-Butylbenzene
 Concen: 2.095 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058486.D
 Acq: 2 Oct 2019 19:36

Tgt Ion:105 Resp: 30045
 Ion Ratio Lower Upper
 105 100
 134 30.5 9.4 28.2#





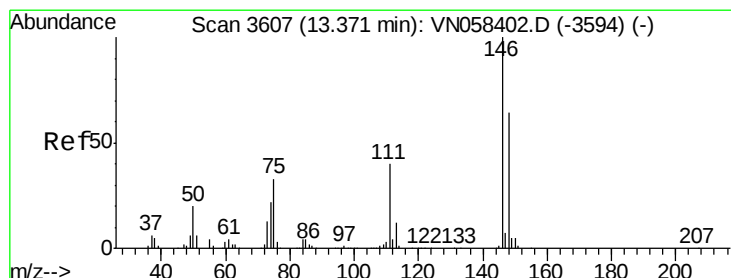
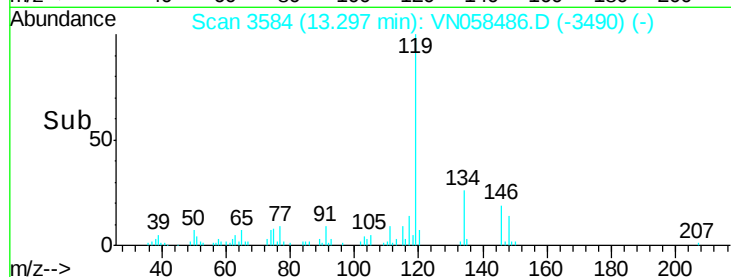
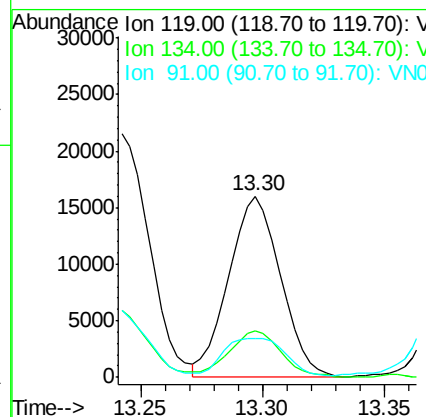
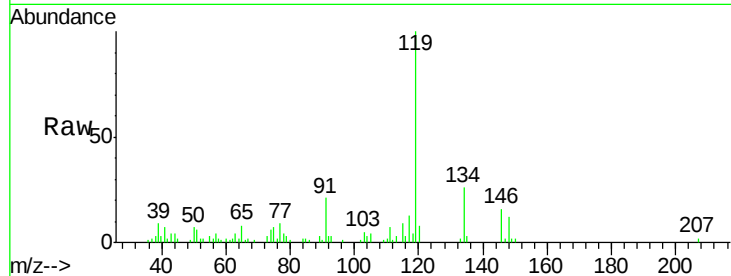
#86
p-Isopropyltoluene
Concen: 1.878 ug/l
RT: 13.30 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	24.1	12.4	37.0

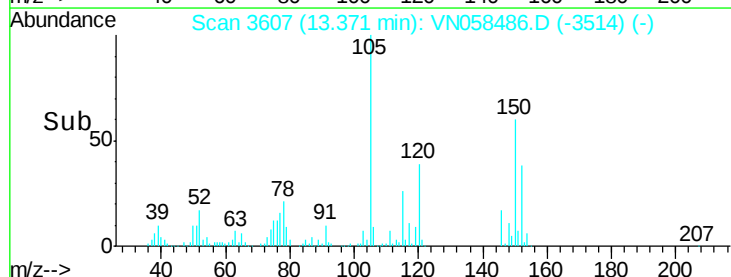
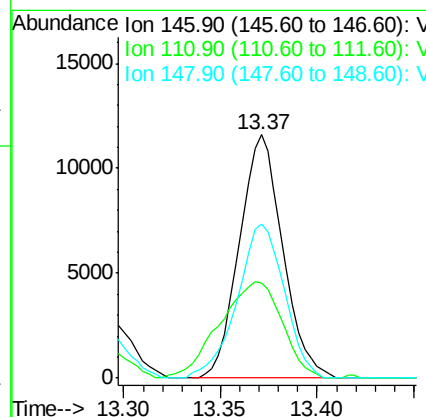
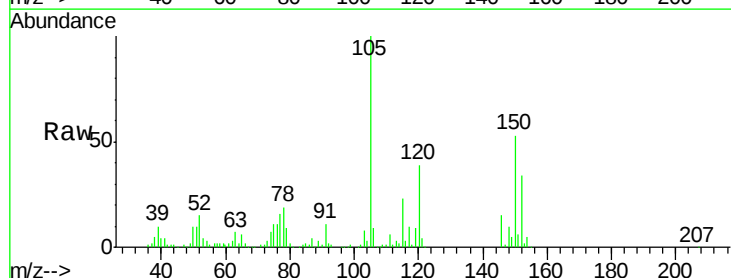
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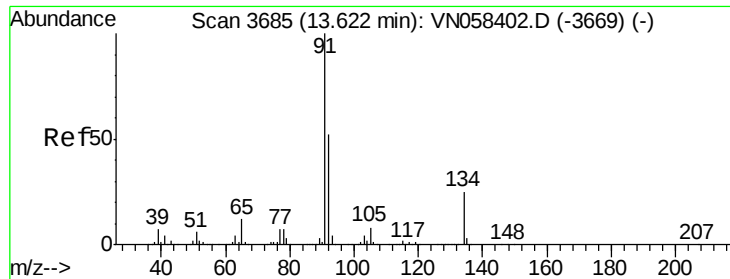
MMDadoda
10/3/2019 1:30:50 PM



#88
1,4-Dichlorobenzene
Concen: 2.772 ug/l
RT: 13.37 min Scan# 3607
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	56.8	20.5	61.6
148	68.6	31.5	94.5





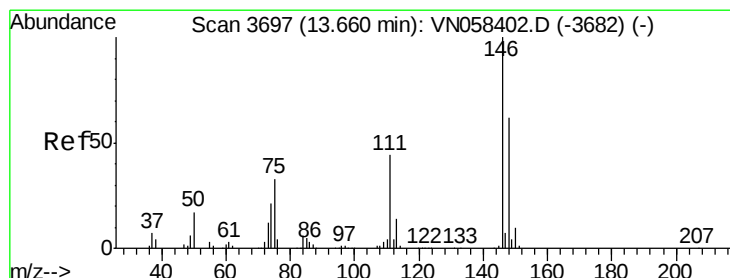
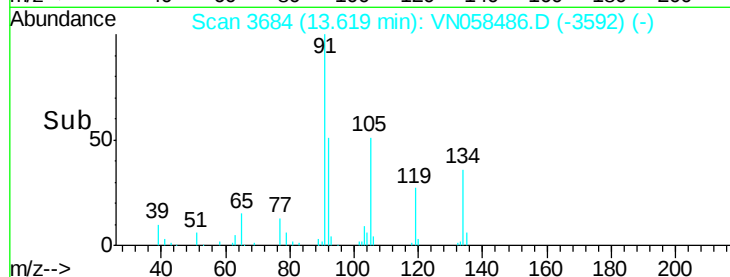
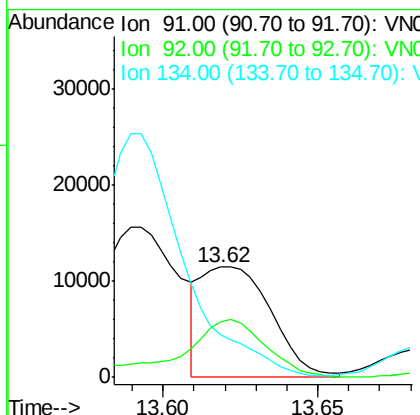
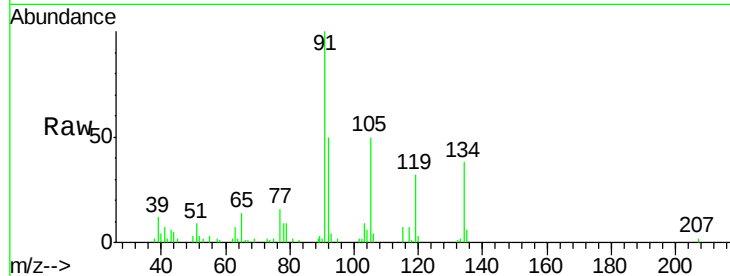
#89
n-Butylbenzene
Concen: 1.598 ug/l m
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Instrument :
MSVOA_N
ClientSampled :
COMPOSITE-3

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.1#
134	260.5	12.2	36.6#

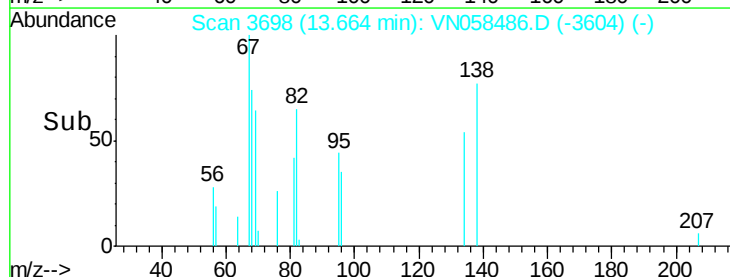
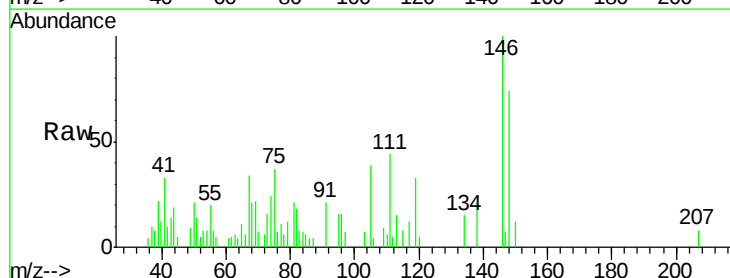
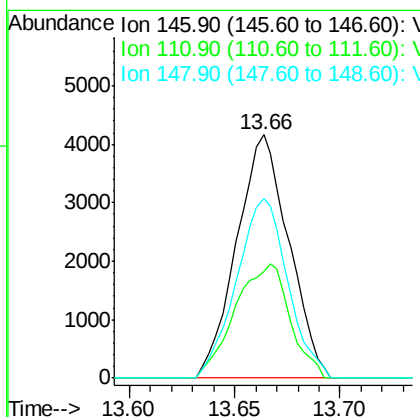
Manual Integrations
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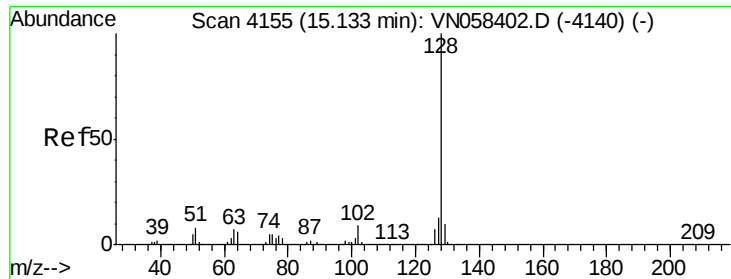
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 1.134 ug/l
RT: 13.66 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.5	21.8	65.3
148	72.8	31.5	94.5





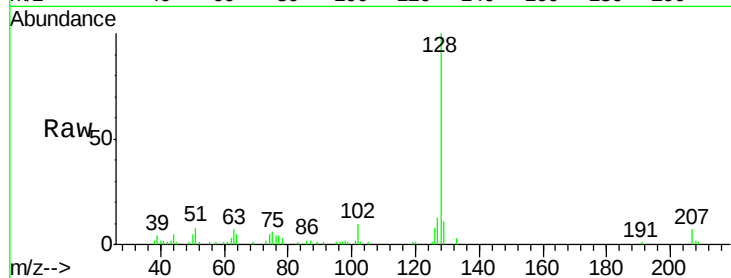
#95
Naphthalene
Concen: 2.979 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058486.D
Acq: 2 Oct 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.3	8.3	12.5

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

