

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\
 Data File : VN056359.D
 Acq On : 18 Jun 2019 12:33
 Operator : JC/SP
 Sample : VN0618WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 12:19:49 PM

Quant Time: Jun 19 02:32:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	354929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	549073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	487152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187963	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	215518	54.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.00%	
35) Dibromofluoromethane	7.59	113	182584	51.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.70%	
50) Toluene-d8	10.09	98	705082	52.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.40	95	224672	50.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	64242	20.587	ug/l	97
3) Chloromethane	2.06	50	82959	19.827	ug/l	99
4) Vinyl Chloride	2.18	62	83193	20.231	ug/l	100
5) Bromomethane	2.54	94	53257m	22.265	ug/l	
6) Chloroethane	2.69	64	47733	20.042	ug/l	99
7) Trichlorofluoromethane	3.01	101	103751	19.756	ug/l	99
8) Diethyl Ether	3.40	74	42763	20.530	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	66528	19.587	ug/l	99
10) Methyl Iodide	3.94	142	87236	20.069	ug/l	100
11) Tert butyl alcohol	4.82	59	60818	96.847	ug/l	96
12) 1,1-Dichloroethene	3.72	96	64009	19.433	ug/l	98
13) Acrolein	3.60	56	17675	100.272	ug/l	99
14) Allyl chloride	4.31	41	104422	18.904	ug/l	97
15) Acrylonitrile	4.99	53	185738	103.488	ug/l	98
16) Acetone	3.82	43	183155	83.056	ug/l	100
17) Carbon Disulfide	4.04	76	139874	15.870	ug/l	96
18) Methyl Acetate	4.33	43	82592	20.432	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	208766	20.782	ug/l	100
20) Methylene Chloride	4.55	84	77343	19.862	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	70631	20.160	ug/l	98
22) Diisopropyl ether	5.96	45	222428	20.484	ug/l	99
23) Vinyl Acetate	5.90	43	906549	102.614	ug/l	98
24) 1,1-Dichloroethane	5.85	63	127703	20.059	ug/l	98
25) 2-Butanone	6.84	43	256475	95.955	ug/l	99
26) 2,2-Dichloropropane	6.82	77	79286	17.222	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	82174	20.250	ug/l	98
28) Bromochloromethane	7.19	49	66909	20.987	ug/l	98
29) Tetrahydrofuran	7.22	42	167409	105.442	ug/l	98
30) Chloroform	7.37	83	126584	19.960	ug/l	99
31) Cyclohexane	7.65	56	121906	19.819	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	100621	19.155	ug/l	99
36) 1,1-Dichloropropene	7.79	75	93395	18.902	ug/l	99
37) Ethyl Acetate	6.93	43	97951	20.919	ug/l	99
38) Carbon Tetrachloride	7.77	117	82781	17.455	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	117252	19.455	ug/l	99
40) Benzene	8.04	78	298051	19.885	ug/l	98
41) Methacrylonitrile	7.18	41	39076	18.174	ug/l #	82
42) 1,2-Dichloroethane	8.12	62	100414	20.429	ug/l	98
43) Isopropyl Acetate	8.17	43	145477	19.422	ug/l	99
44) Trichloroethene	8.83	130	80100	19.651	ug/l	99
45) 1,2-Dichloropropane	9.12	63	80315	20.275	ug/l	99
46) Dibromomethane	9.21	93	51439	19.541	ug/l	100
47) Bromodichloromethane	9.40	83	88207	17.539	ug/l	97
48) Methyl methacrylate	9.20	41	73871	19.547	ug/l	98
49) 1,4-Dioxane	9.21	88	28434	372.982	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	476251	99.762	ug/l	100
52) Toluene	10.16	92	181874	19.880	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	85924	17.207	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	104774	18.191	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	75228	20.008	ug/l	99
56) Ethyl methacrylate	10.43	69	107507	19.882	ug/l	98
57) 1,3-Dichloropropane	10.71	76	124757	19.699	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	201245	109.054	ug/l	98
59) 2-Hexanone	10.75	43	340876	96.279	ug/l	99
60) Dibromochloromethane	10.90	129	66071	16.755	ug/l	99
61) 1,2-Dibromoethane	11.00	107	76655	19.834	ug/l	99
64) Tetrachloroethene	10.63	164	78182	19.570	ug/l	98
65) Chlorobenzene	11.43	112	193767	19.592	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	66468	18.002	ug/l	100
67) Ethyl Benzene	11.51	91	337311	19.814	ug/l	99
68) m/p-Xylenes	11.62	106	251434	39.682	ug/l	99
69) o-Xylene	11.95	106	123374	19.753	ug/l	98
70) Styrene	11.96	104	198757	19.710	ug/l	99
71) Bromoform	12.13	173	42558	14.831	ug/l #	100
73) Isopropylbenzene	12.25	105	326620	21.183	ug/l	100
74) N-amyl acetate	12.07	43	115908	19.623	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	104792	21.807	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	88673m	22.080	ug/l	
77) Bromobenzene	12.53	156	83915	20.666	ug/l	99
78) n-propylbenzene	12.59	91	343203	20.342	ug/l	100
79) 2-Chlorotoluene	12.67	91	214500	20.999	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	264714	20.187	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19309	14.938	ug/l #	82
82) 4-Chlorotoluene	12.77	91	198280	20.020	ug/l	100
83) tert-Butylbenzene	12.99	119	234085	21.134	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	256104	20.973	ug/l	99
85) sec-Butylbenzene	13.17	105	299439	20.235	ug/l	100
86) p-Isopropyltoluene	13.29	119	257058	20.294	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	127200	19.882	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	120620	19.621	ug/l	99
89) n-Butylbenzene	13.61	91	179639	18.969	ug/l	99
90) Hexachloroethane	13.87	117	37912	15.925	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	127350	20.328	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13886	17.097	ug/l	98

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Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:23:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46345	18.021	ug/l	97
94) Hexachlorobutadiene	15.01	225	45755	19.858	ug/l	97
95) Naphthalene	15.13	128	126785	18.030	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	53755	18.367	ug/l	100

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

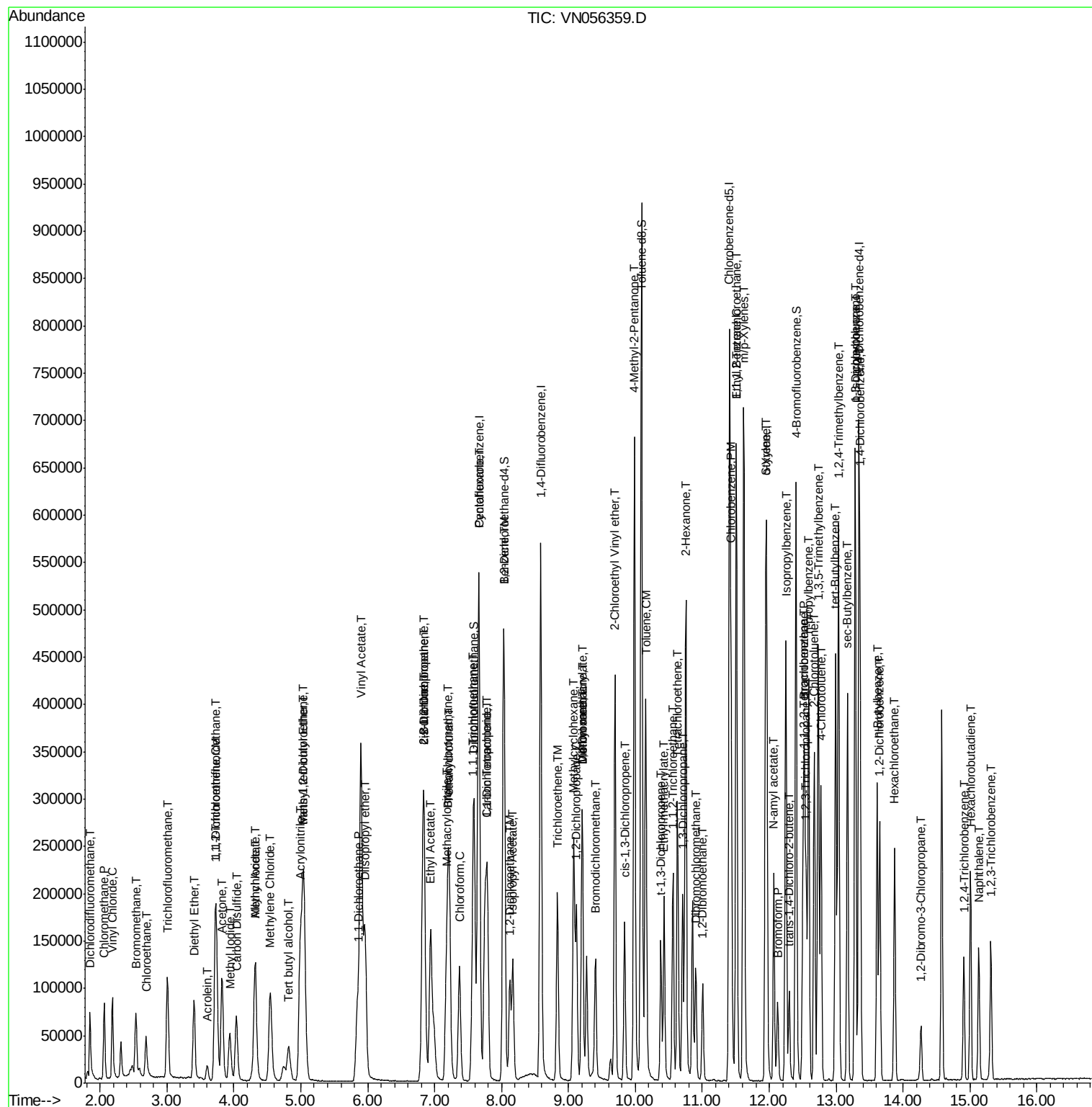
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\
Data File : VN056359.D
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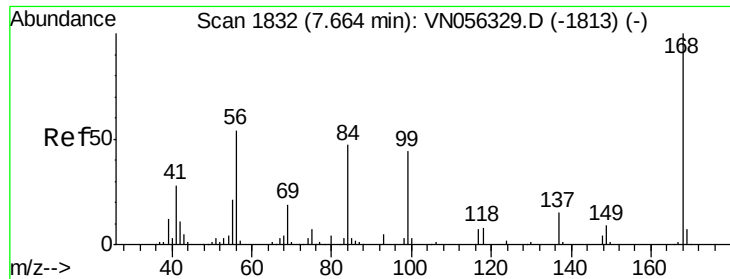
Instrument :
MSVOA_N
Client Sample Id :
VN0618WBSD02

Manual Integrations
APPROVED

MMDadoda
6/19/2019 12:19:49 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion:168 Resp: 354929

Ion Ratio Lower Upper

168 100

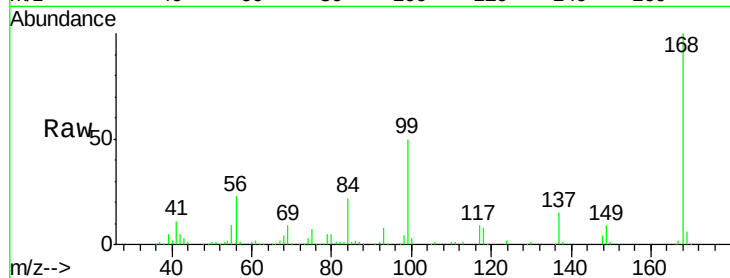
99 48.8 40.2 60.2

Manual Integrations

APPROVED

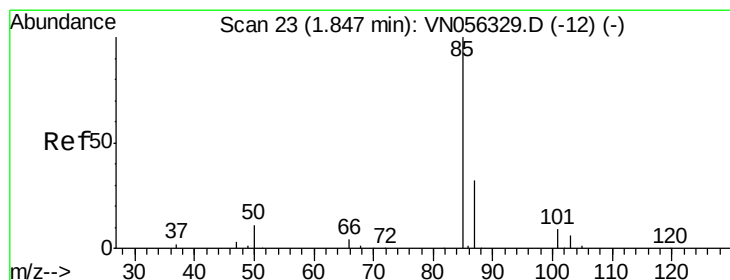
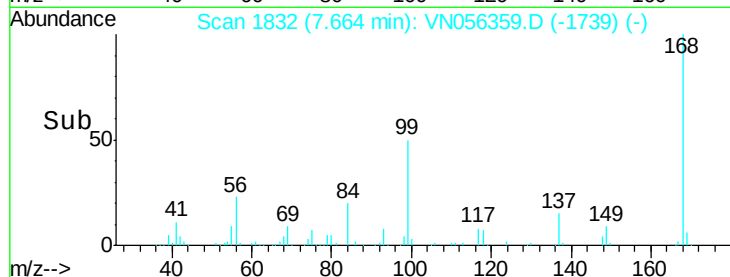
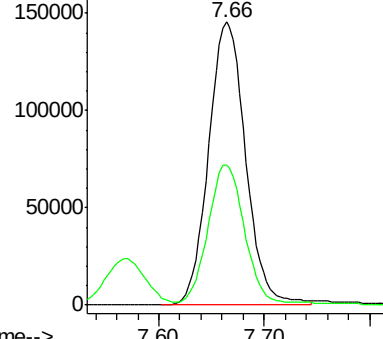
MMDadoda

6/19/2019 12:19:49 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.587 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056359.D

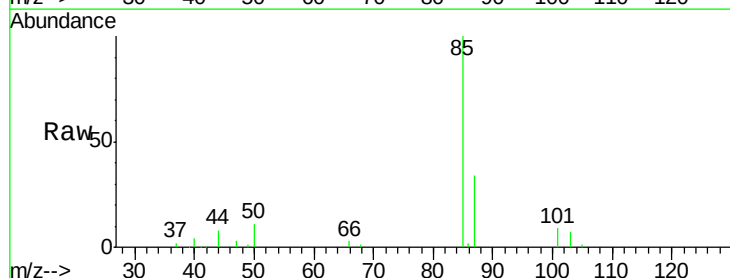
Acq: 18 Jun 2019 12:33

Tgt Ion: 85 Resp: 64242

Ion Ratio Lower Upper

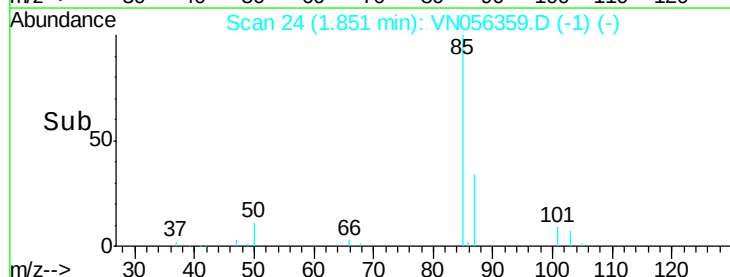
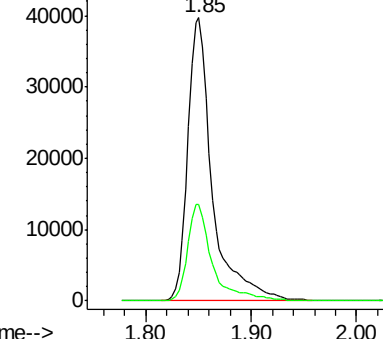
85 100

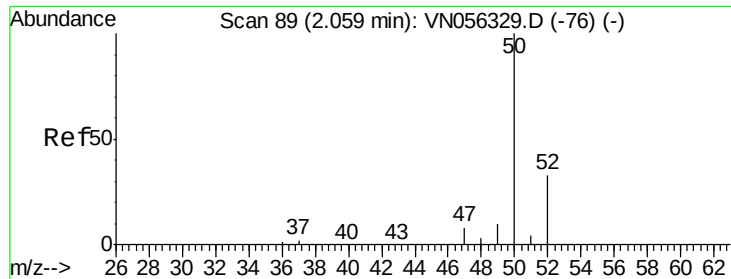
87 34.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.827 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 50 Resp: 82959

Ion Ratio Lower Upper

50 100

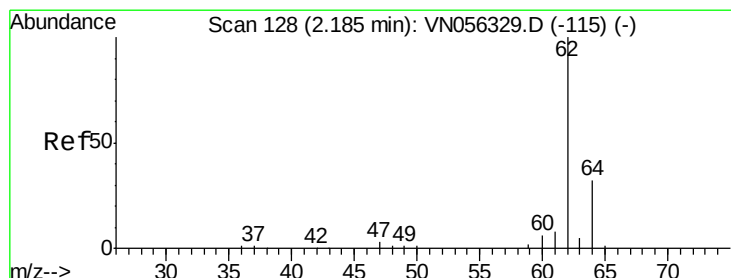
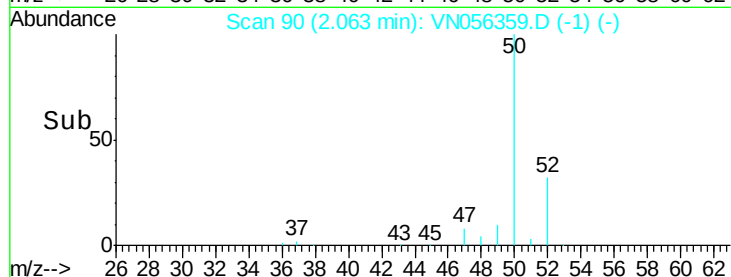
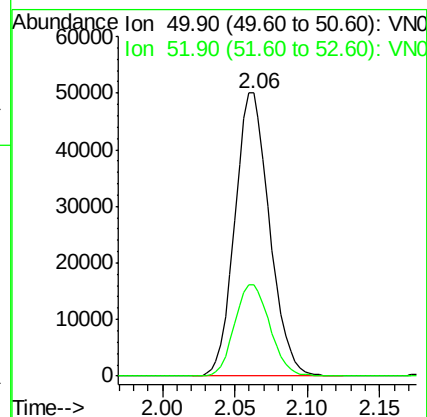
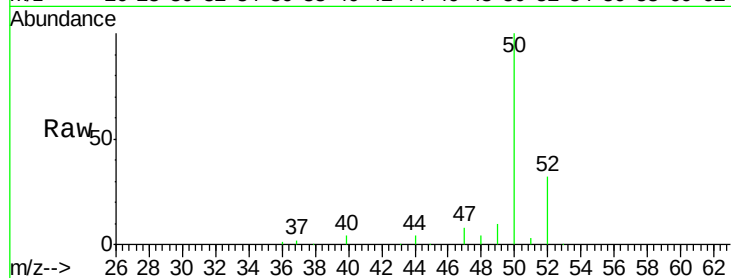
52 32.5 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.231 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056359.D

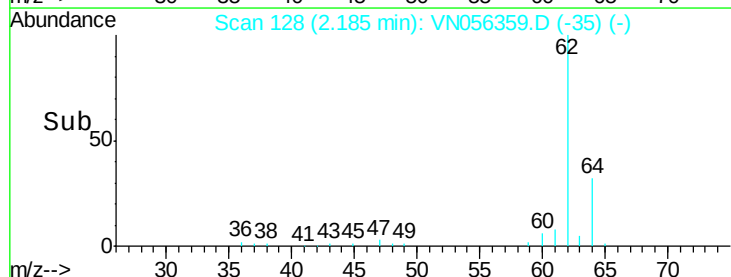
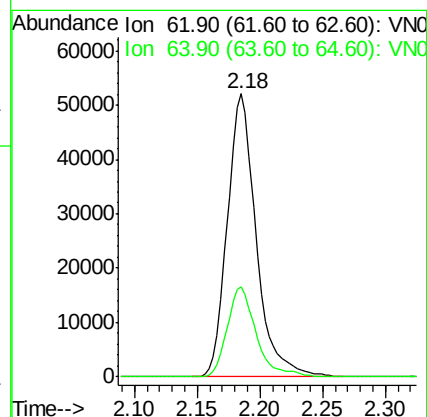
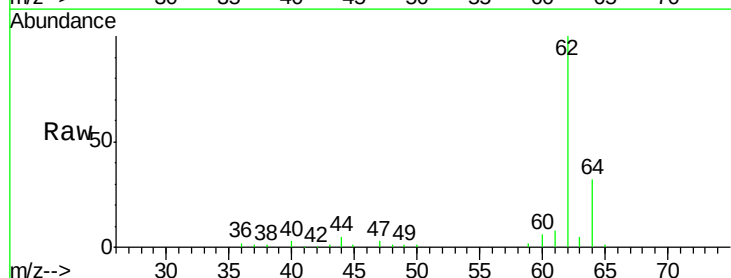
Acq: 18 Jun 2019 12:33

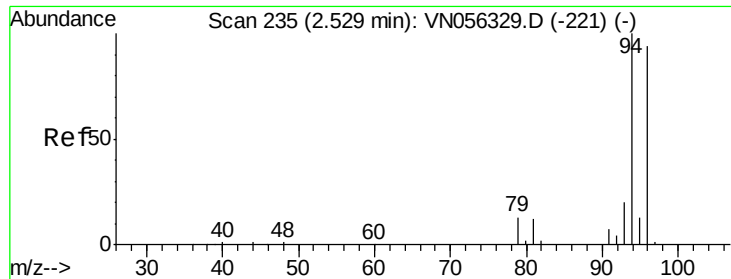
Tgt Ion: 62 Resp: 83193

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5





#5

Bromomethane

Concen: 22.265 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

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VN0618WBSD02

Tot Ion: 94 Resp: 53257

Ion Ratio Lower Upper

94 100

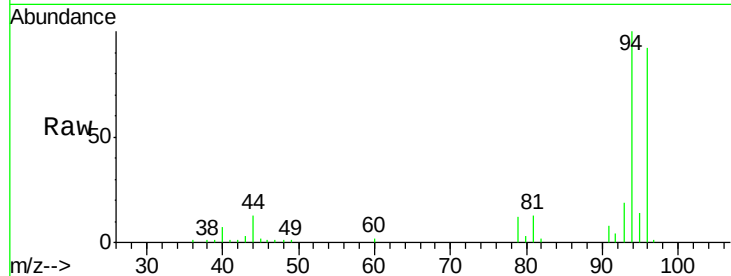
96 91.7 74.9 112.3

Manual Integrations

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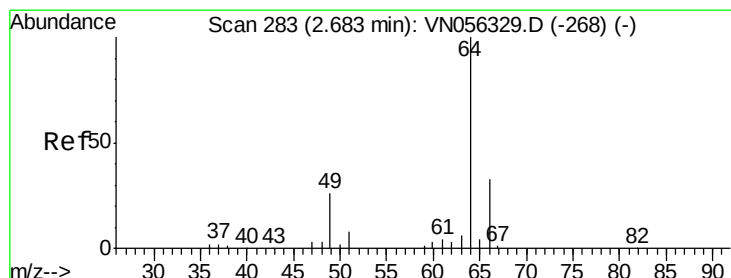
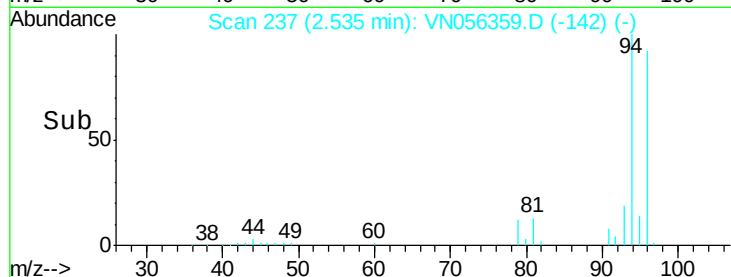
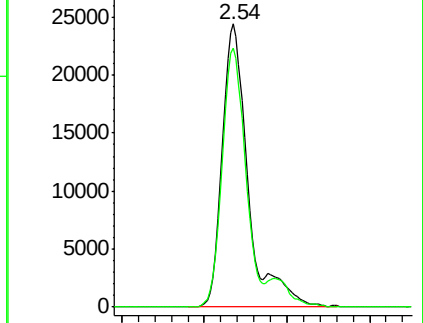
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.042 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN056359.D

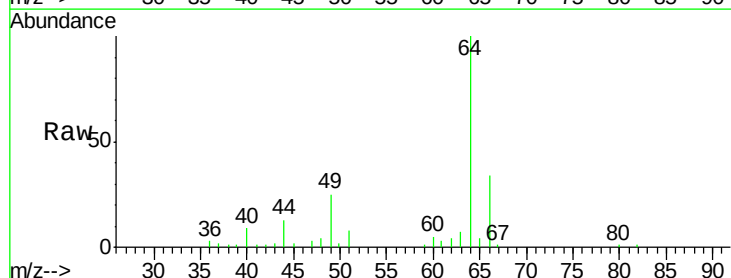
Acq: 18 Jun 2019 12:33

Tgt Ion: 64 Resp: 47733

Ion Ratio Lower Upper

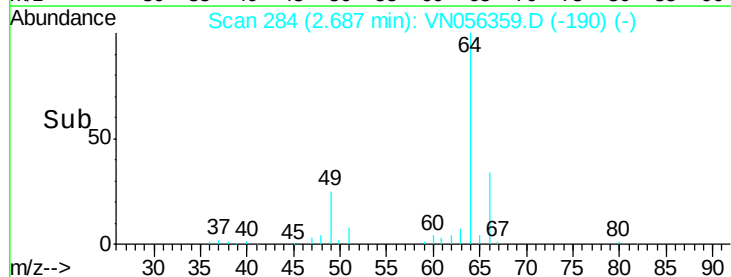
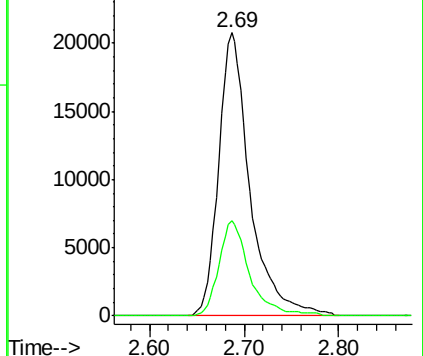
64 100

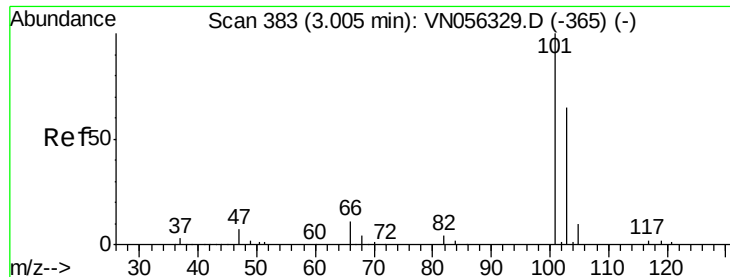
66 33.7 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

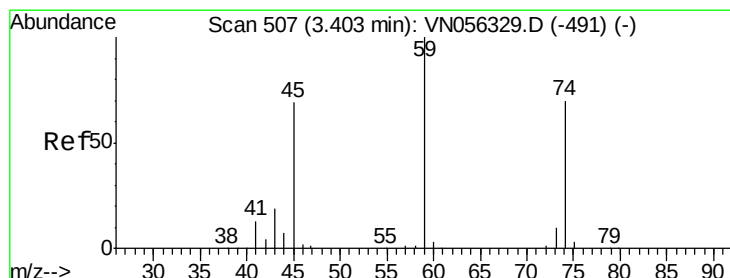
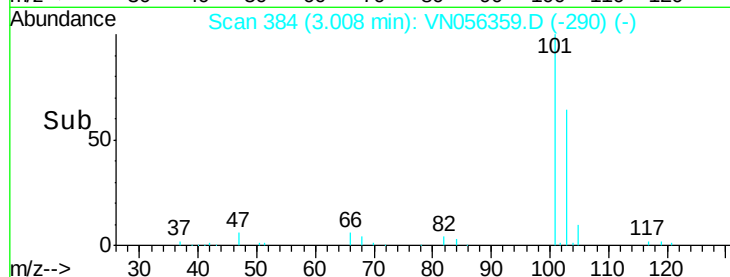
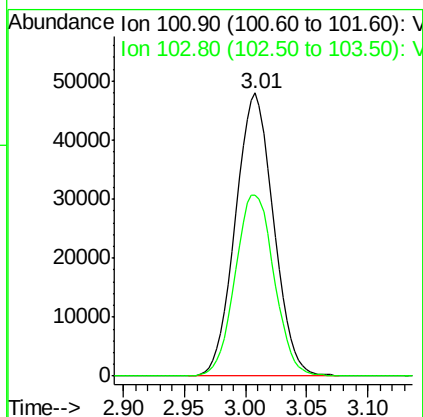
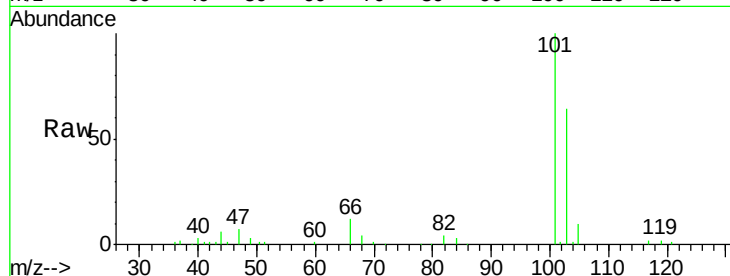
Trichlorofluoromethane
Concen: 19.756 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
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ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.1	78.1

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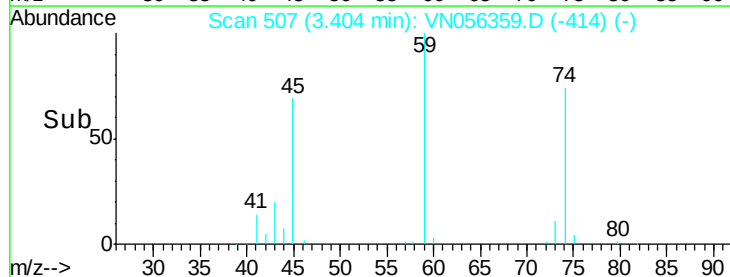
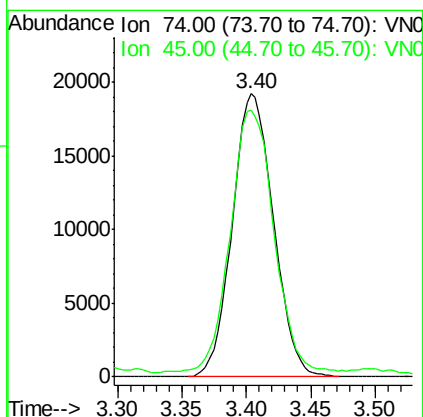
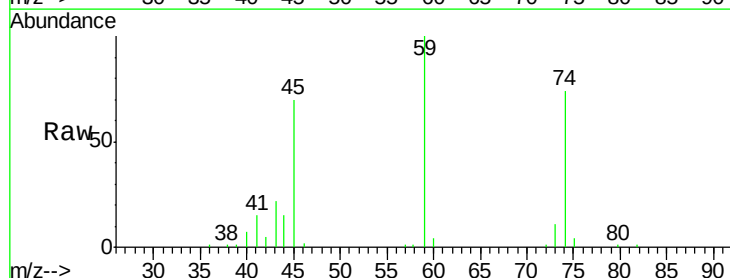
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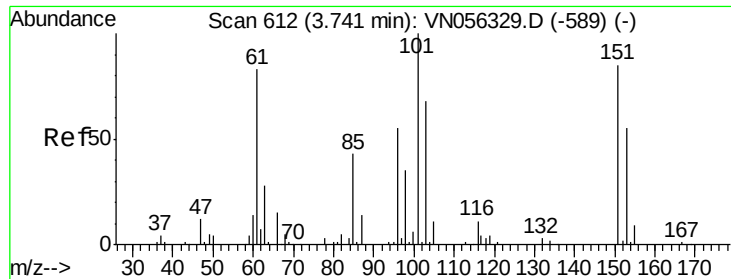


#8

Diethyl Ether
Concen: 20.530 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	49.0	147.0





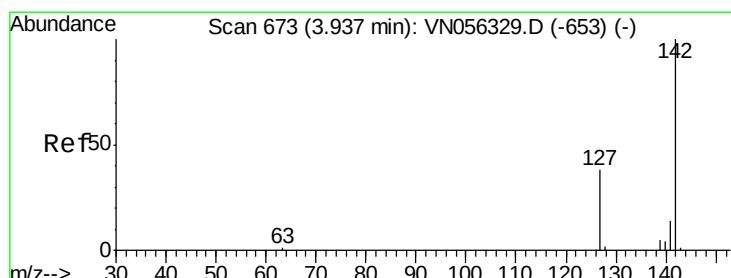
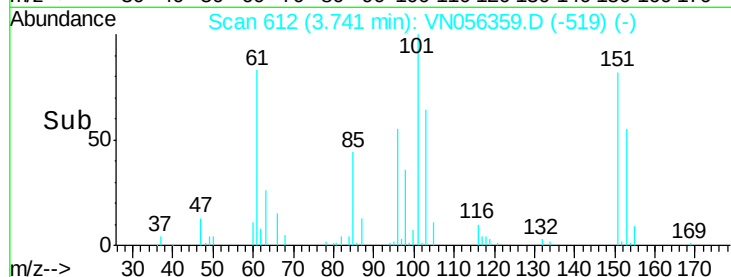
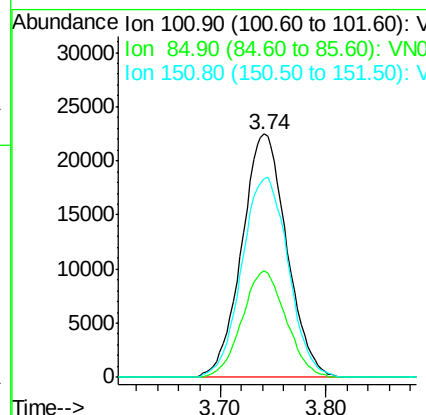
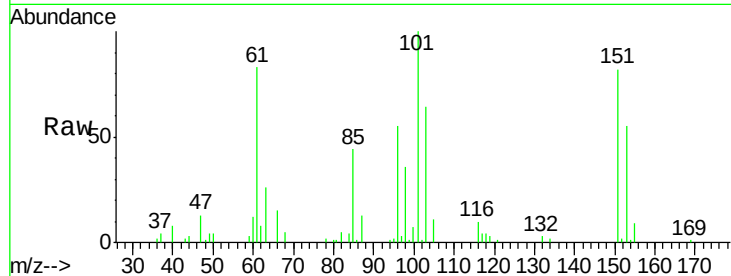
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.587 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.7	33.8	50.8
151	84.7	67.4	101.0

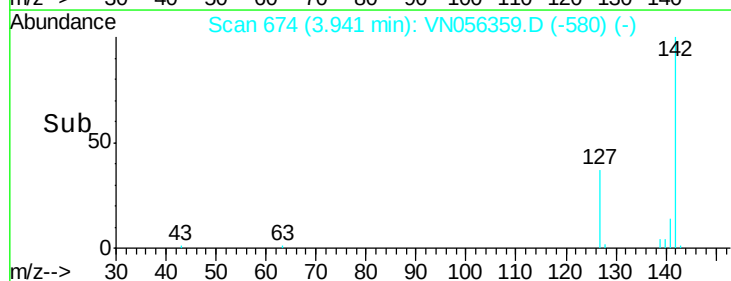
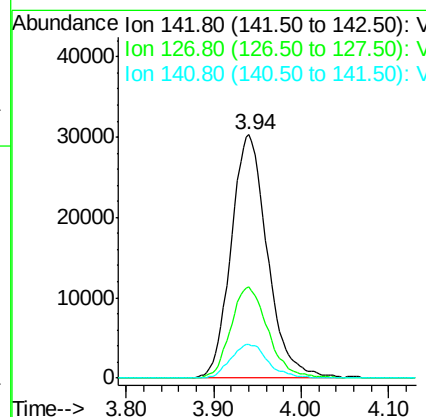
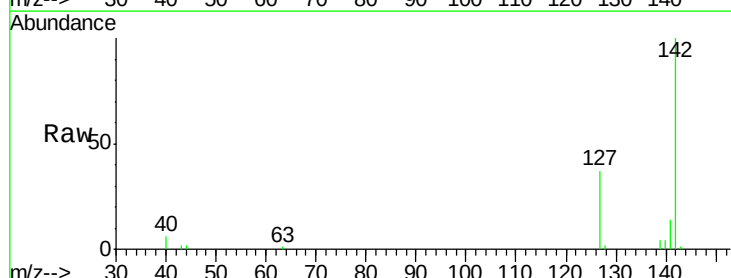
Manual Integrations
APPROVED

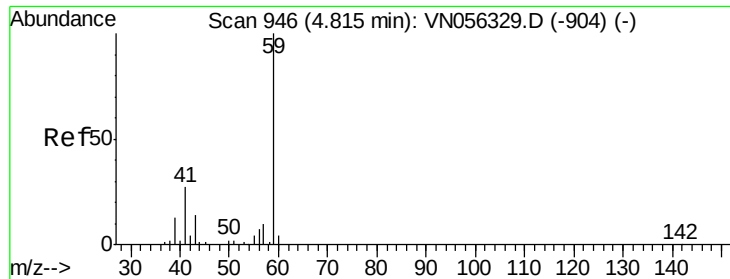
MMDadoda
6/19/2019 12:19:49 PM



#10
Methyl Iodide
Concen: 20.069 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.4	30.8	46.2
141	14.2	11.4	17.2





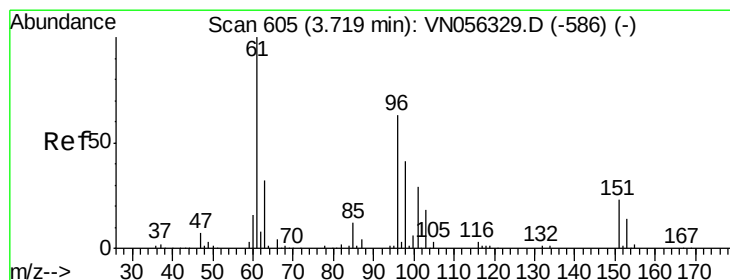
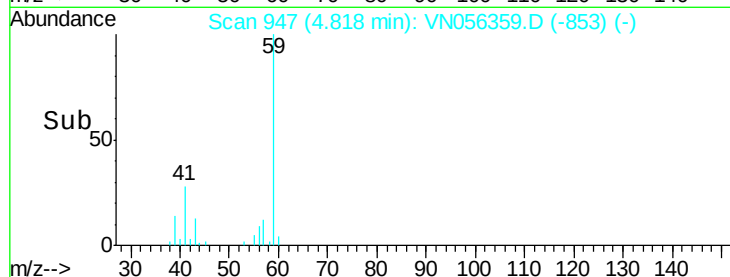
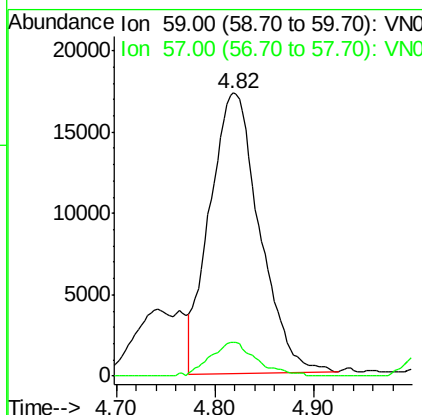
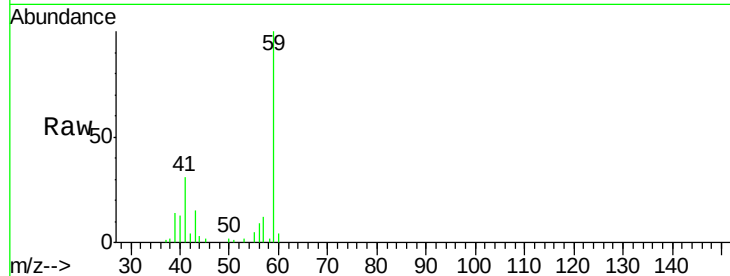
#11
Tert butyl alcohol
Concen: 96.847 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	59	Resp	60818
Ion Ratio	100	Lower	Upper
57	11.2	7.8	11.8

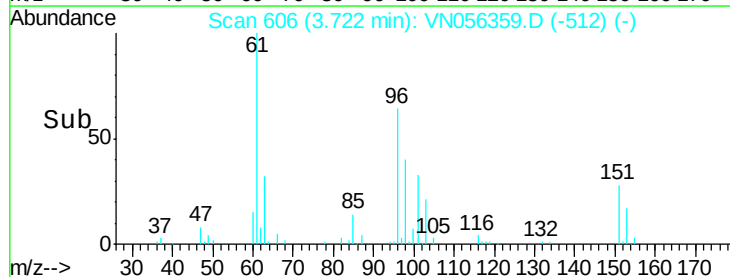
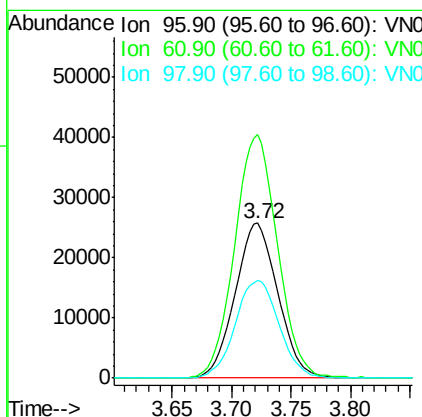
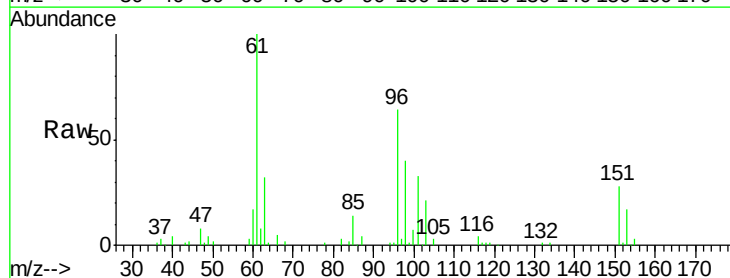
Manual Integrations
APPROVED

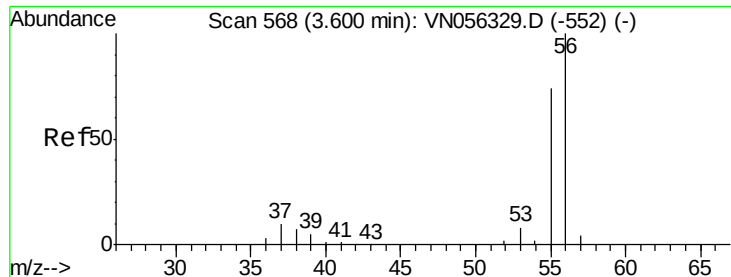
MMDadoda
6/19/2019 12:19:49 PM



#12
1,1-Dichloroethene
Concen: 19.433 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion	96	Resp	64009
Ion Ratio	100	Lower	Upper
61	157.1	127.4	191.2
98	63.1	51.7	77.5





#13

Acrolein

Concen: 100.272 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 56 Resp: 17675

Ion Ratio Lower Upper

56 100

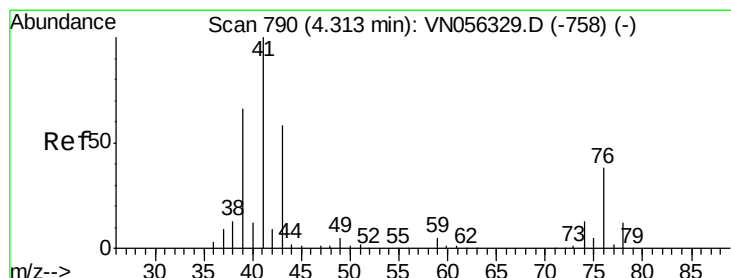
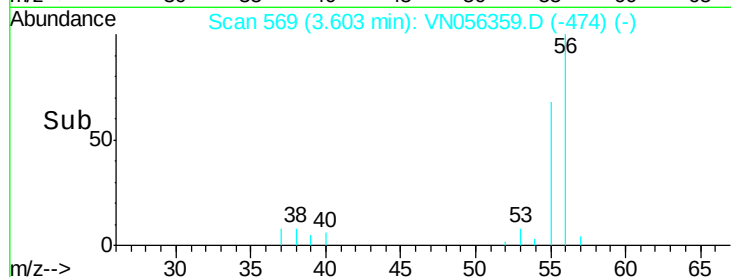
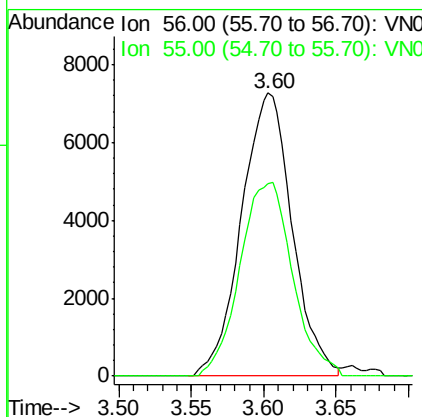
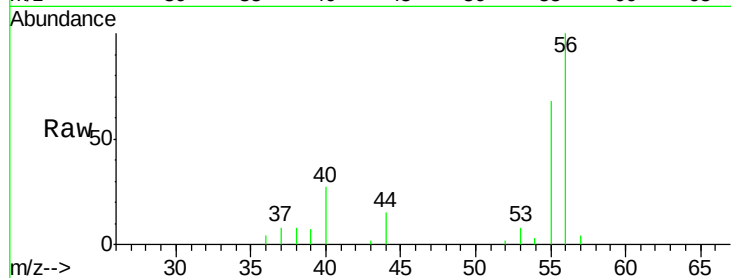
55 71.2 56.4 84.6

Manual Integrations

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MMDadoda

6/19/2019 12:19:49 PM



#14

Allyl chloride

Concen: 18.904 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

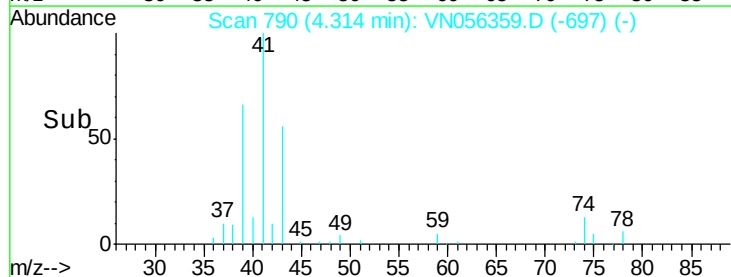
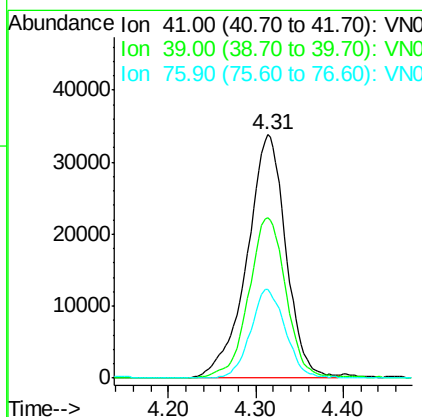
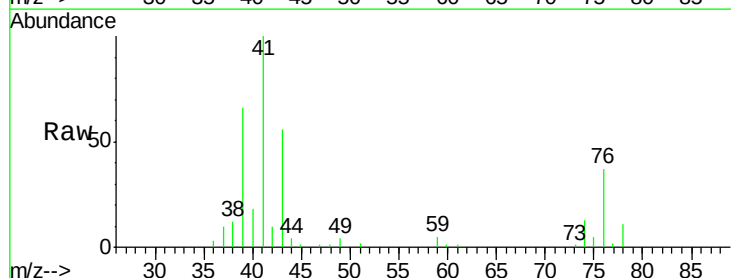
Tgt Ion: 41 Resp: 104422

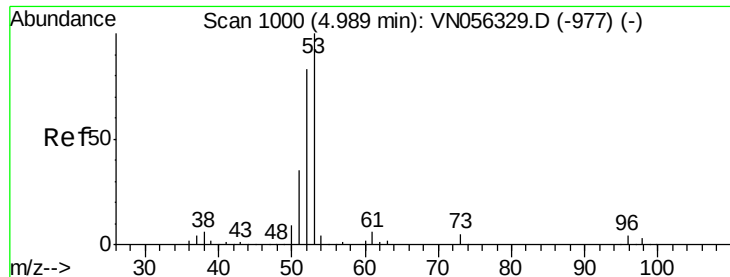
Ion Ratio Lower Upper

41 100

39 63.1 48.9 73.3

76 32.4 27.2 40.8





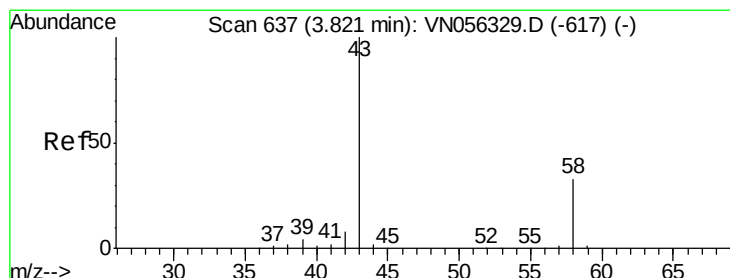
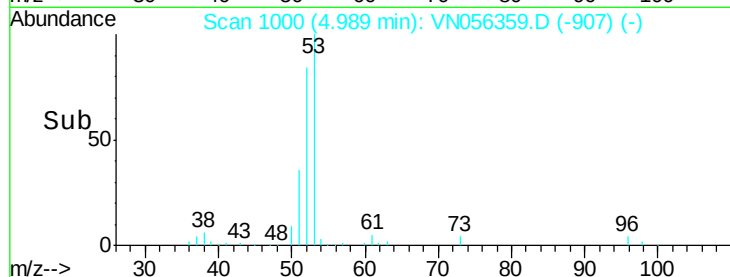
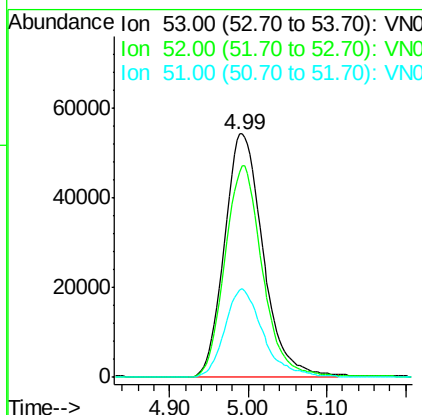
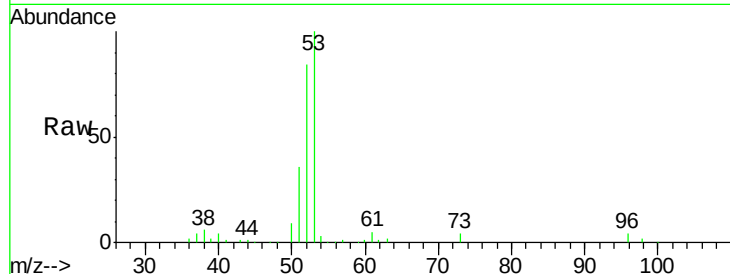
#15
 Acrylonitrile
 Concen: 103.488 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.4	98.2
51	36.2	28.5	42.7

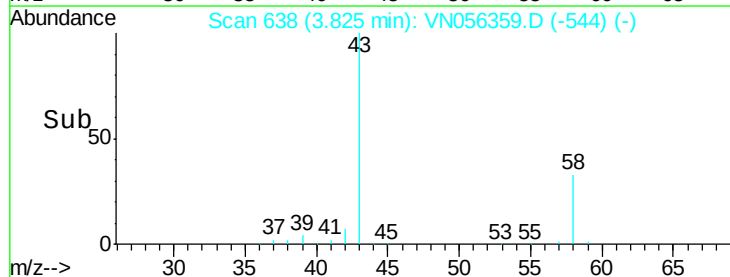
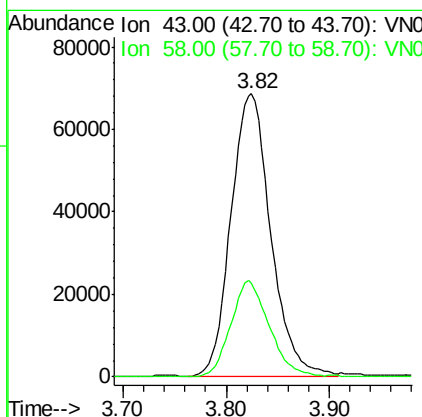
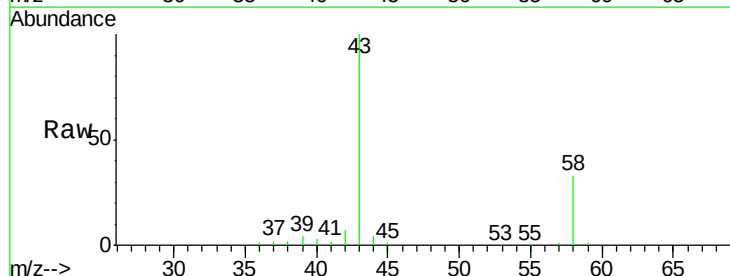
Manual Integrations
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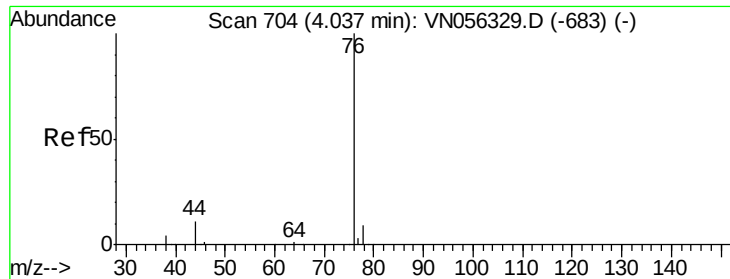
MMDadoda
 6/19/2019 12:19:49 PM



#16
 Acetone
 Concen: 83.056 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.5	39.7





#17

Carbon Disulfide

Concen: 15.870 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 76 Resp: 139874

Ion Ratio Lower Upper

76 100

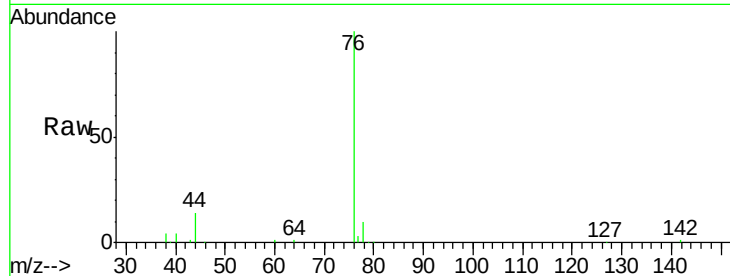
78 10.4 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

60000

50000

40000

30000

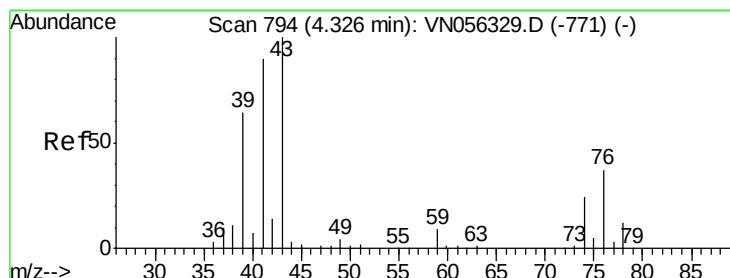
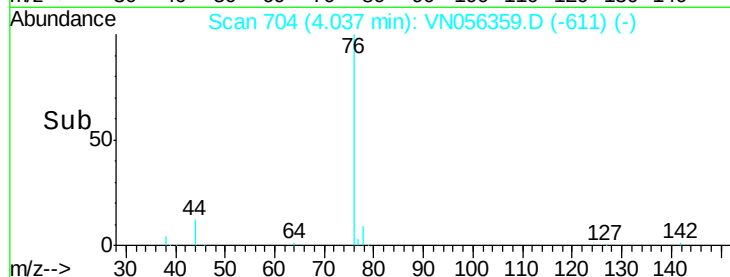
20000

10000

0

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 20.432 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056359.D

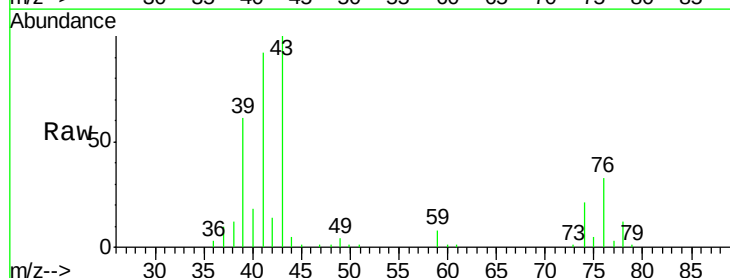
Acq: 18 Jun 2019 12:33

Tgt Ion: 43 Resp: 82592

Ion Ratio Lower Upper

43 100

74 22.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

30000

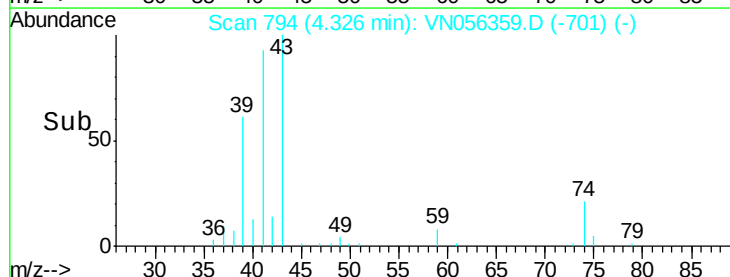
20000

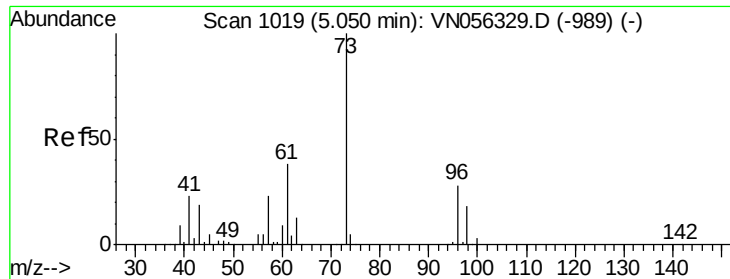
10000

0

4.20 4.30 4.40

Time-->





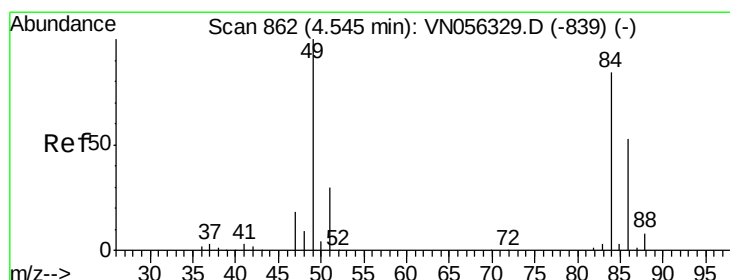
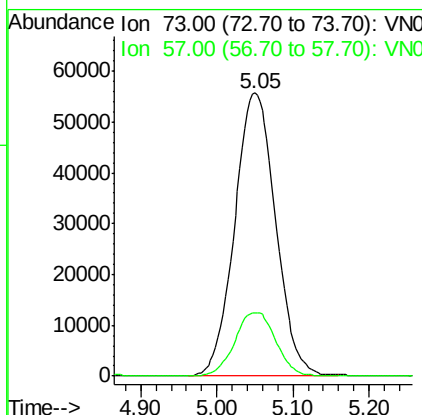
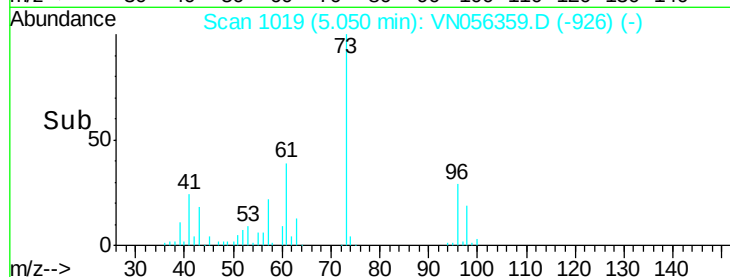
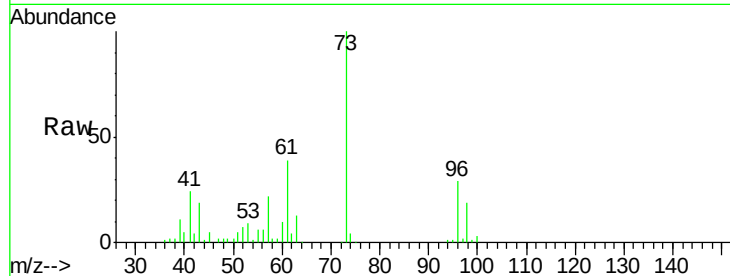
#19
Methyl tert-butyl Ether
Concen: 20.782 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampled :
VN0618WBSD02

Tot Ion: 73 Resp: 208766
Ion Ratio Lower Upper
73 100
57 22.4 18.1 27.1

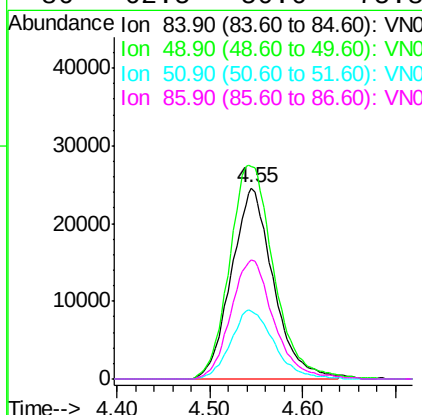
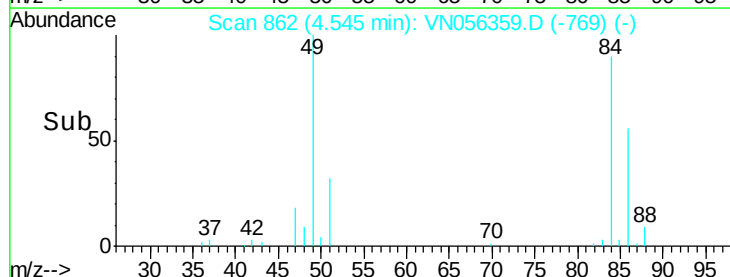
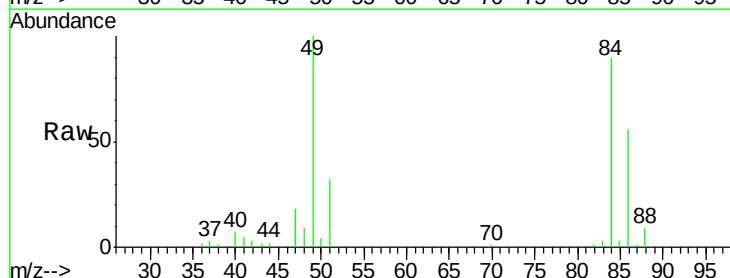
Manual Integrations
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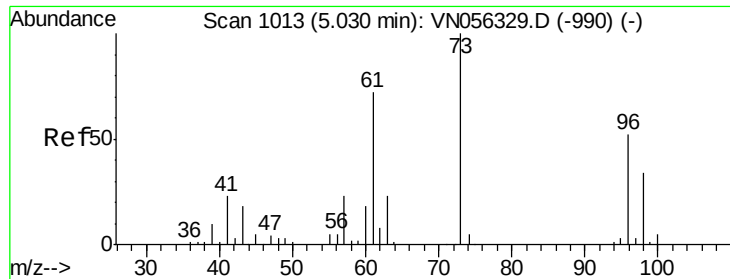
MMDadoda
6/19/2019 12:19:49 PM



#20
Methylene Chloride
Concen: 19.862 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 84 Resp: 77343
Ion Ratio Lower Upper
84 100
49 111.1 95.0 142.6
51 35.6 28.2 42.4
86 62.5 50.6 75.8





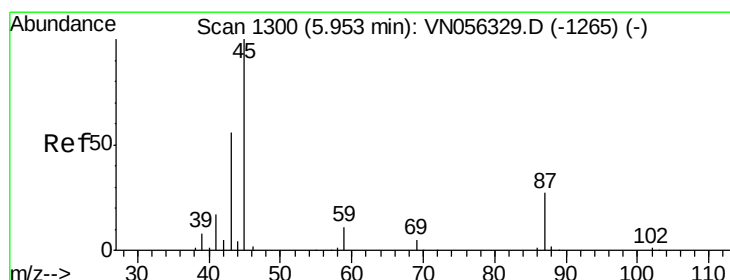
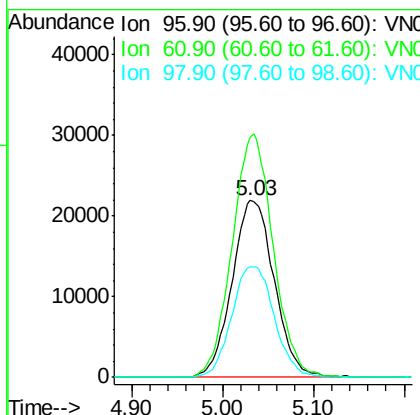
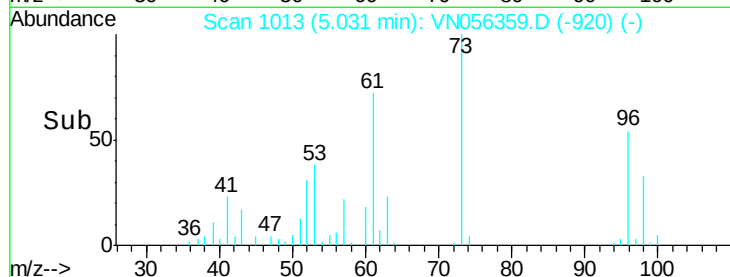
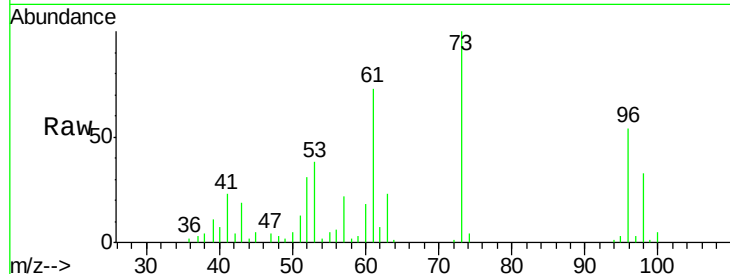
#21
trans-1,2-Dichloroethene
Concen: 20.160 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	109.8	164.6
98	62.3	52.0	78.0

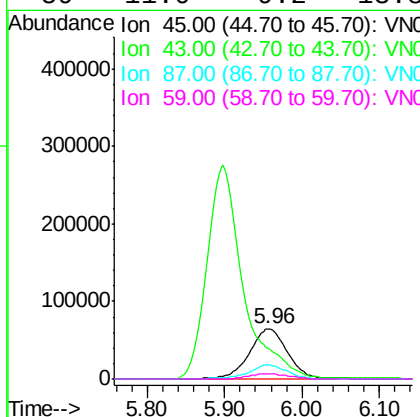
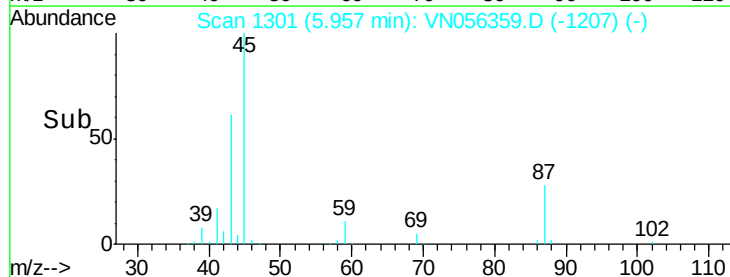
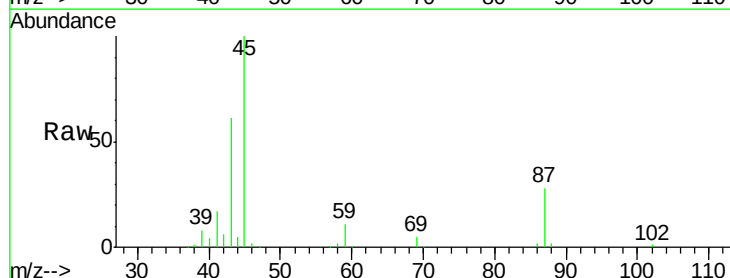
Manual Integrations
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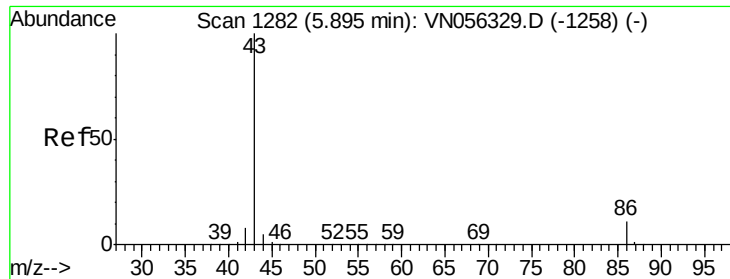
MMDadoda
6/19/2019 12:19:49 PM



#22
Diisopropyl ether
Concen: 20.484 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	47.0	70.6
87	27.0	22.4	33.6
59	11.0	9.2	13.8





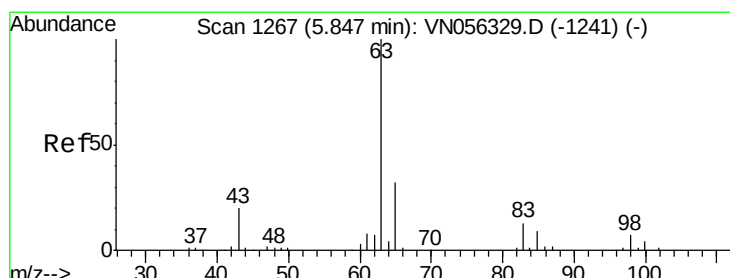
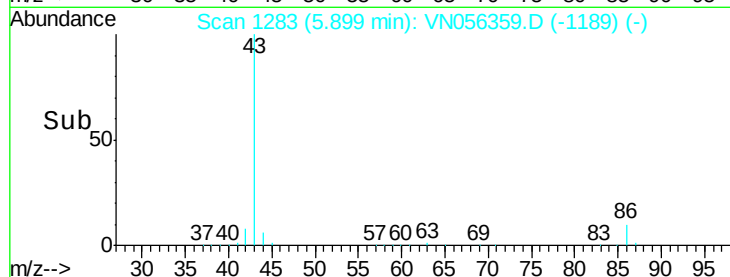
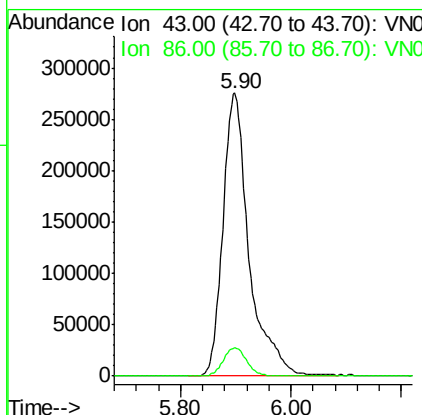
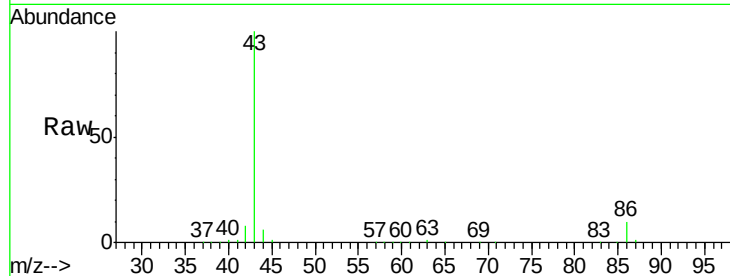
#23
 Vinyl Acetate
 Concen: 102.614 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion: 43 Resp: 906549
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.5 12.7

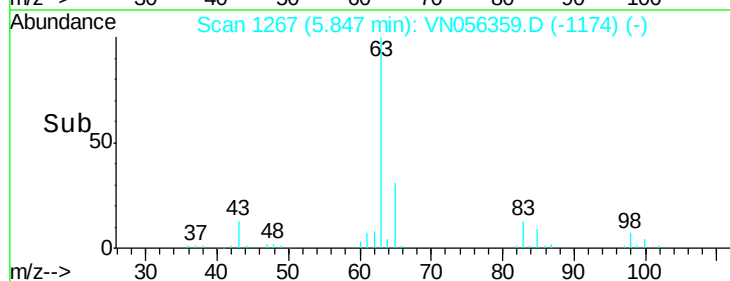
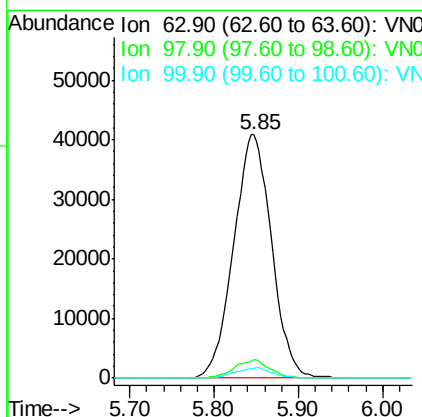
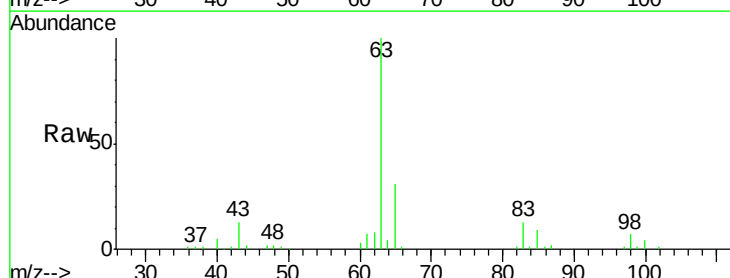
Manual Integrations
 APPROVED

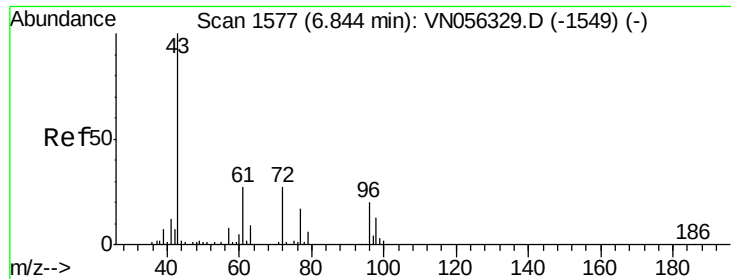
MMDadoda
 6/19/2019 12:19:49 PM



#24
 1,1-Dichloroethane
 Concen: 20.059 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion: 63 Resp: 127703
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.3 9.8
 100 3.9 2.2 6.6





#25

2-Butanone

Concen: 95.955 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 43 Resp: 256475

Ion Ratio Lower Upper

43 100

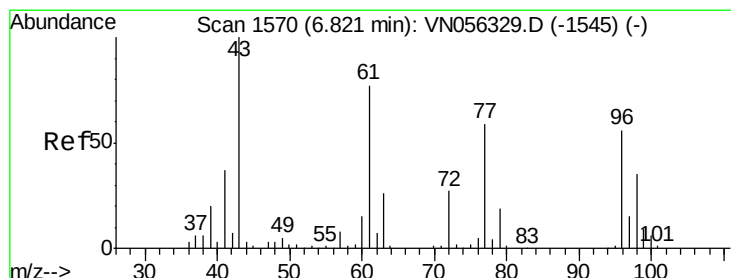
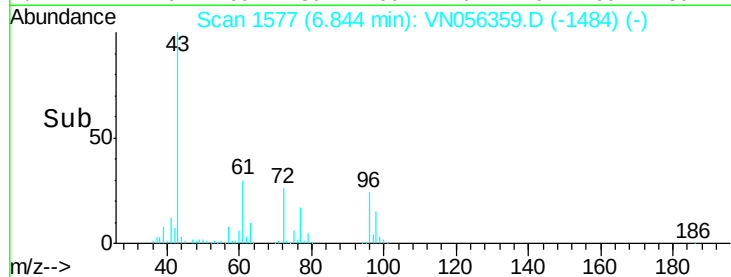
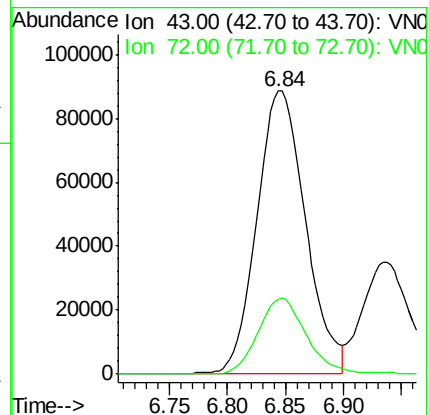
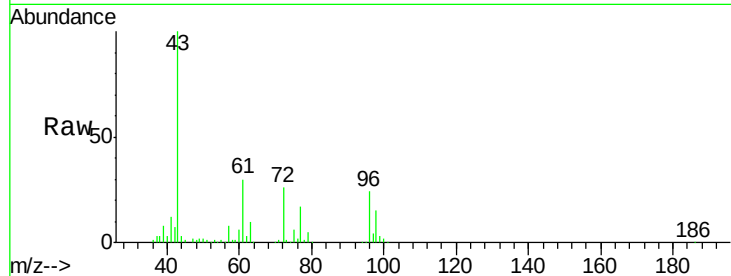
72 26.5 21.4 32.2

Manual Integrations

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MMDadoda

6/19/2019 12:19:49 PM



#26

2,2-Dichloropropane

Concen: 17.222 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056359.D

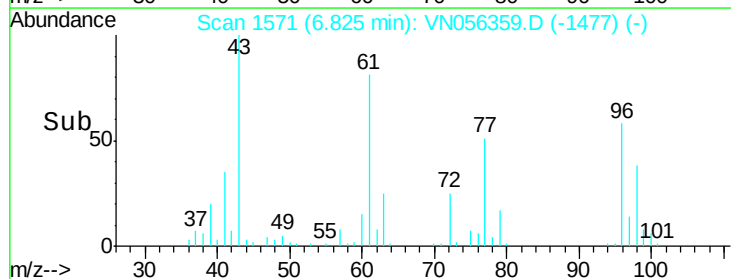
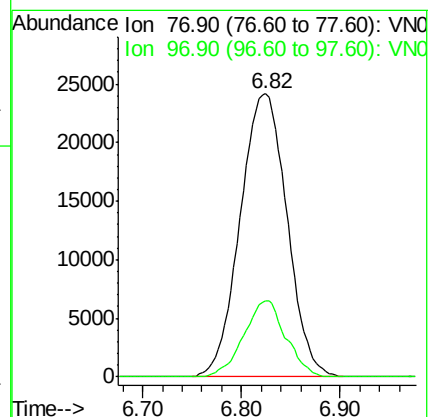
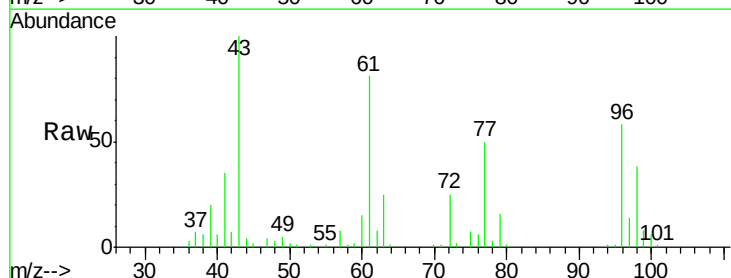
Acq: 18 Jun 2019 12:33

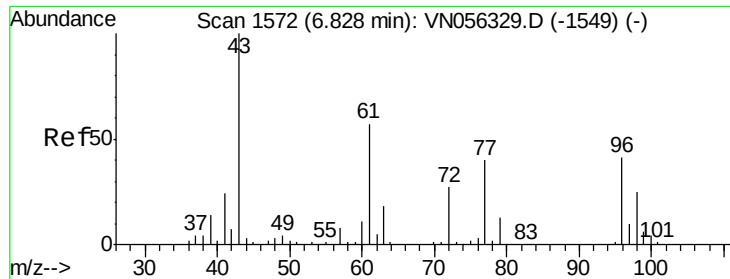
Tgt Ion: 77 Resp: 79286

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.6





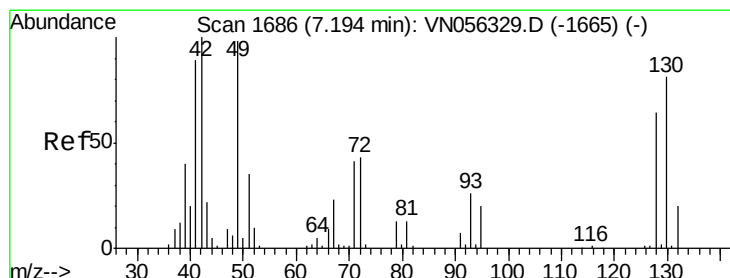
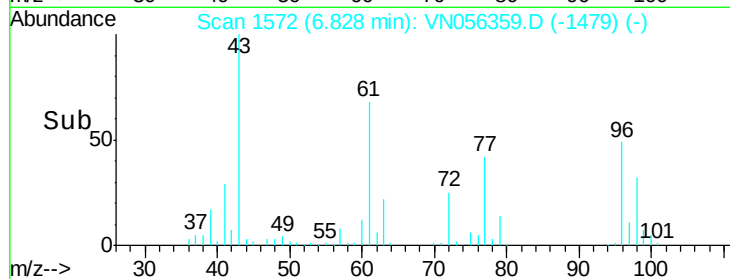
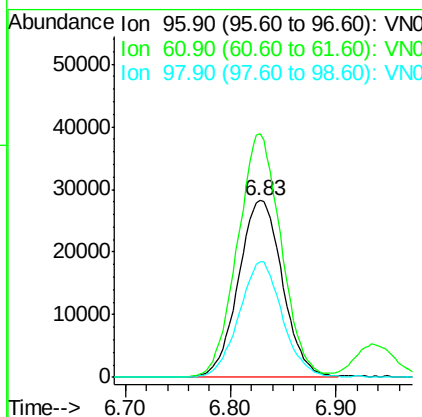
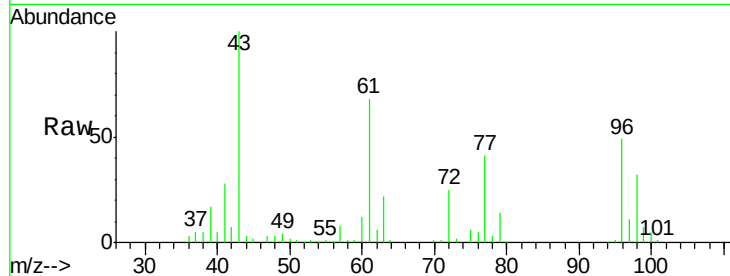
#27
 cis-1,2-Dichloroethene
 Concen: 20.250 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampled :
 VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	278.6
98	64.2	0.0	127.0

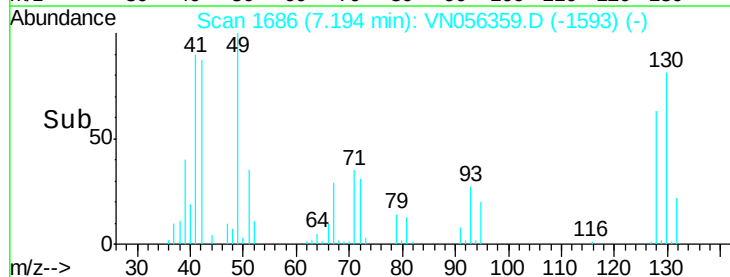
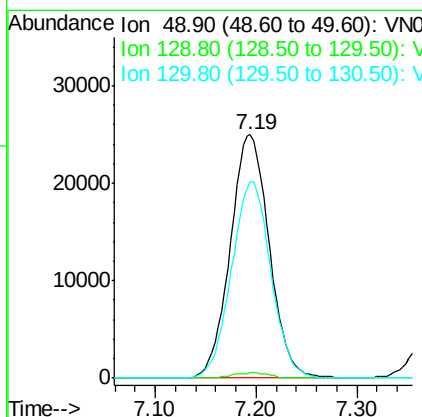
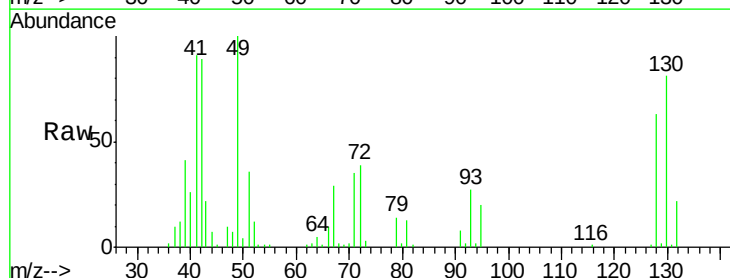
Manual Integrations
 APPROVED

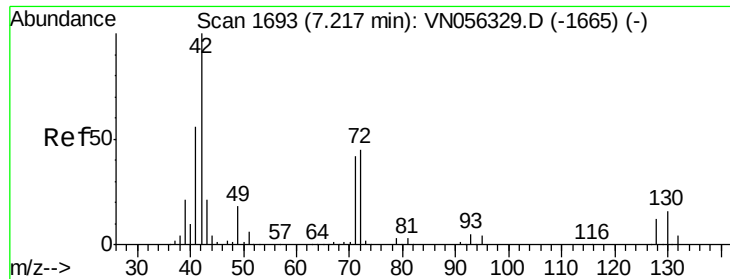
MMDadoda
 6/19/2019 12:19:49 PM



#28
 Bromochloromethane
 Concen: 20.987 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	81.4	66.4	99.6





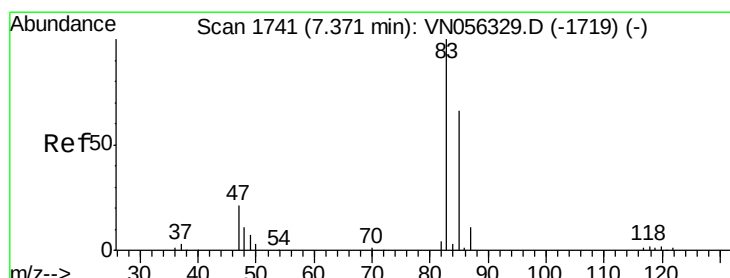
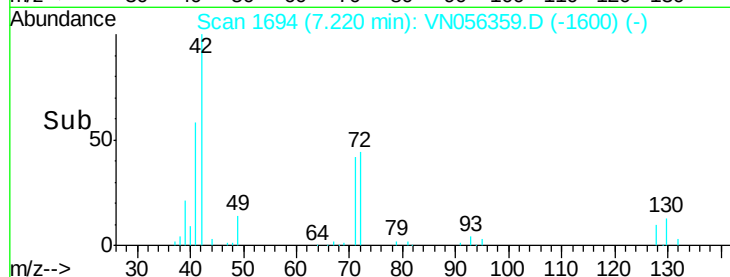
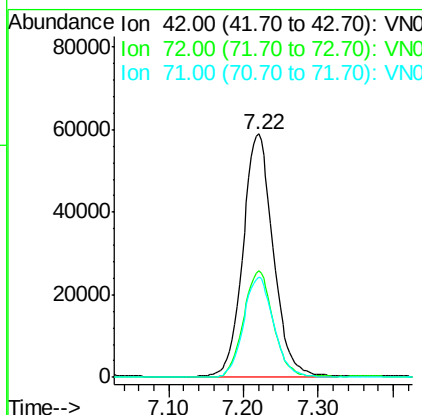
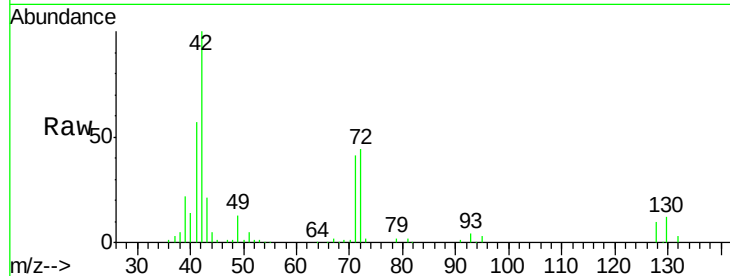
#29
Tetrahydrofuran
Concen: 105.442 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.3	52.9
71	40.6	32.7	49.1

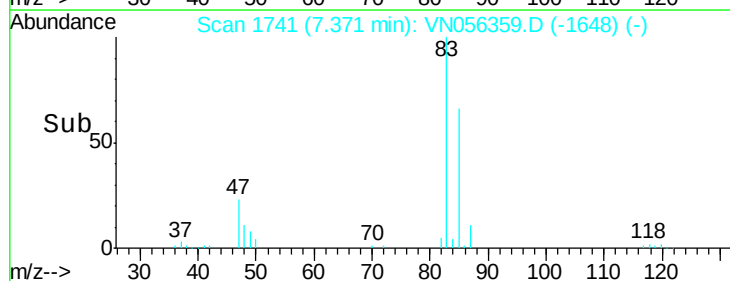
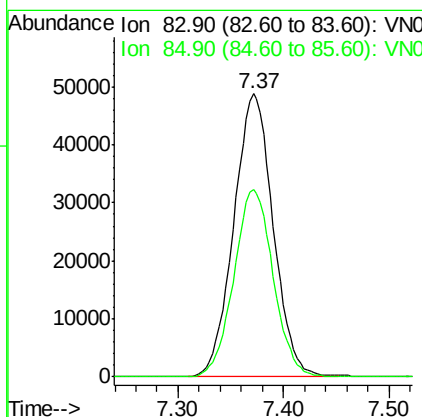
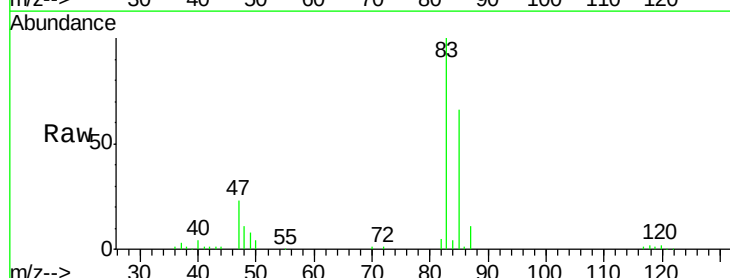
Manual Integrations
APPROVED

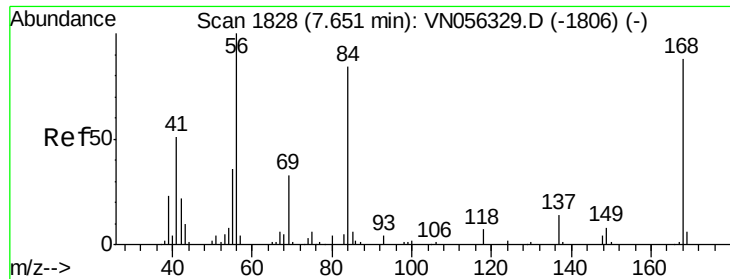
MMDadoda
6/19/2019 12:19:49 PM



#30
Chloroform
Concen: 19.960 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.6	78.8





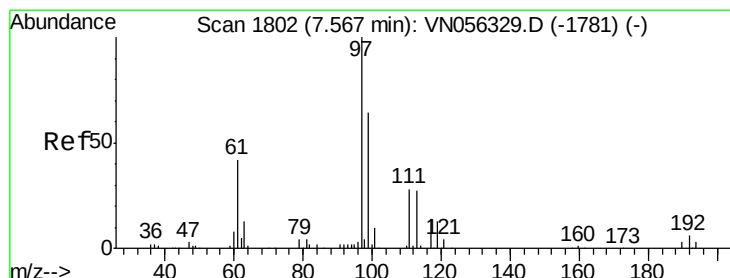
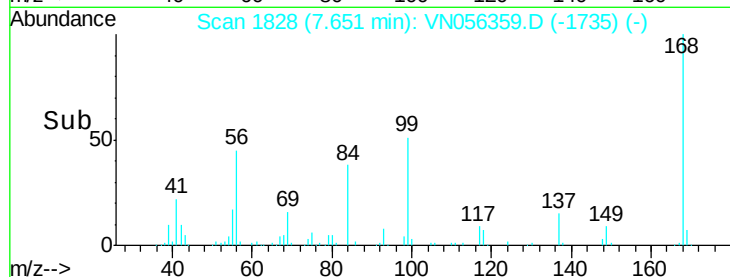
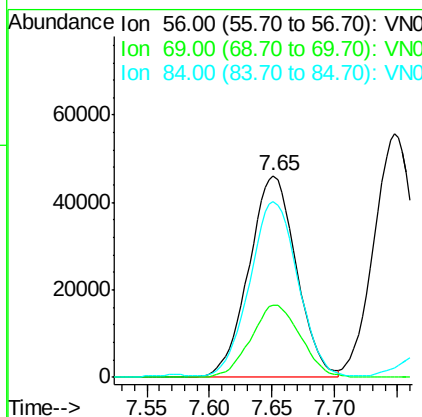
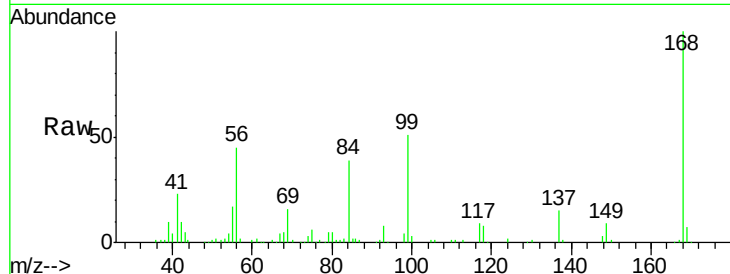
#31
Cyclohexane
Concen: 19.819 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampled :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	26.0	39.0
84	86.1	67.4	101.0

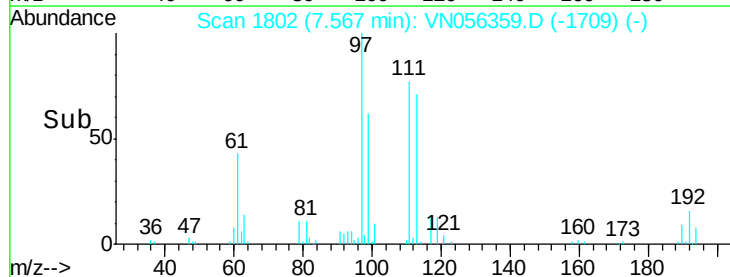
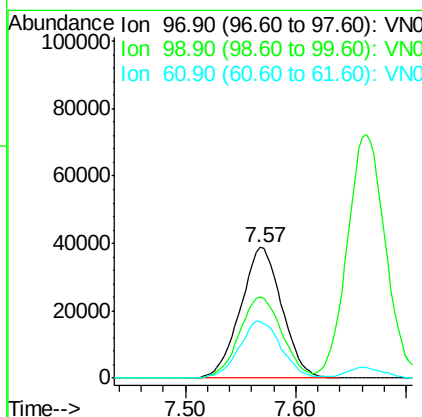
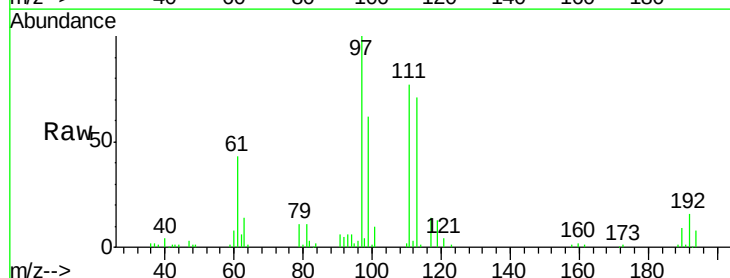
Manual Integrations
APPROVED

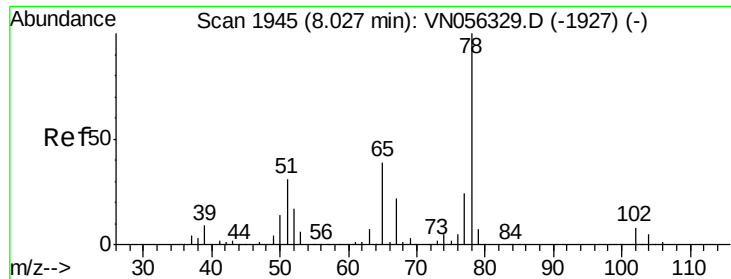
MMDadoda
6/19/2019 12:19:49 PM



#32
1,1,1-Trichloroethane
Concen: 19.155 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.0
61	44.0	34.4	51.6





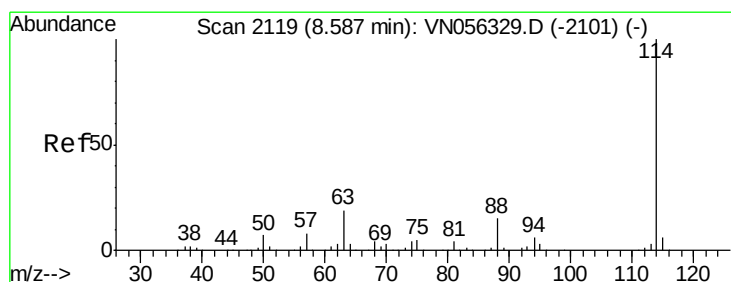
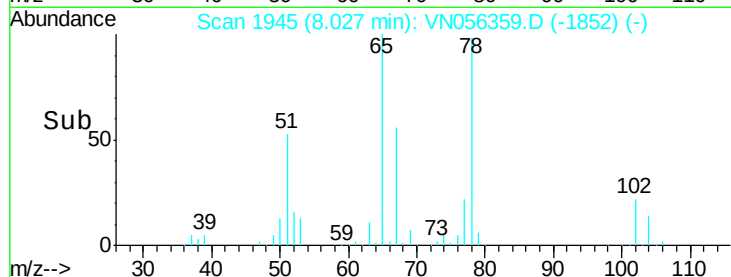
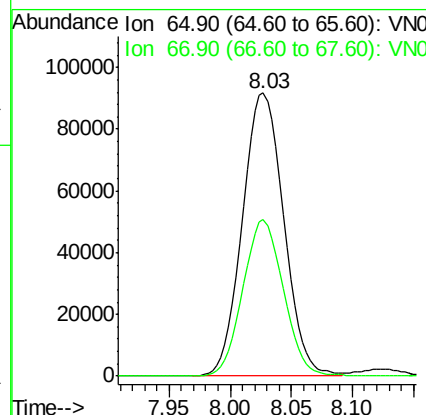
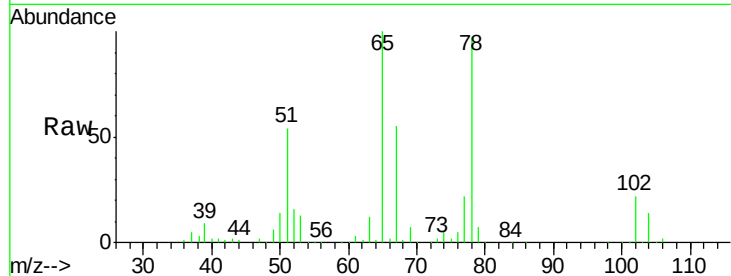
#33
 1,2-Dichloroethane-d4
 Concen: 54.003 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215518		
67	54.2	0.0	110.8	

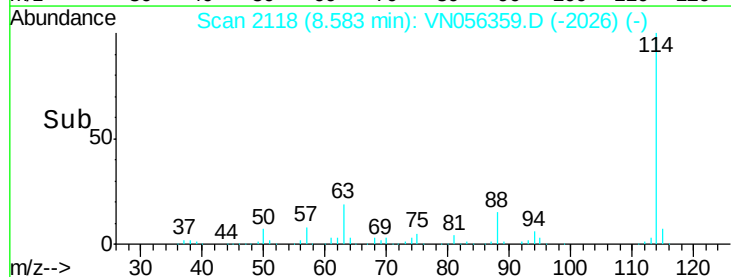
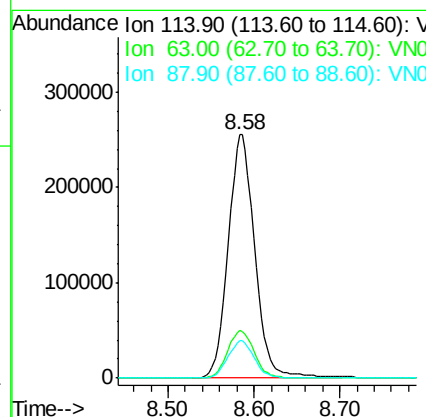
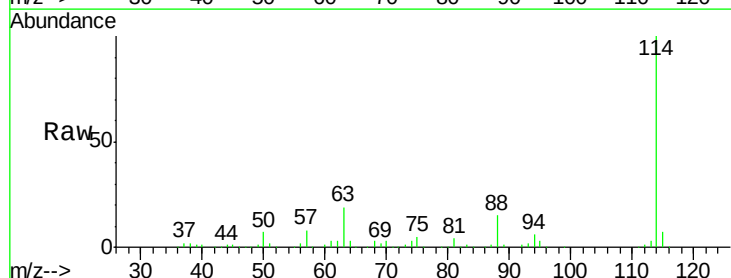
Manual Integrations
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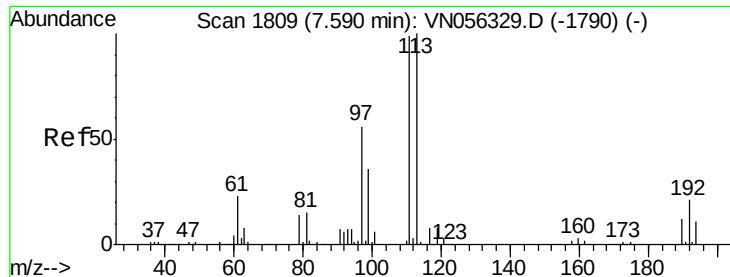
MMDadoda
 6/19/2019 12:19:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	549073		
63	19.5	0.0	38.8	
88	15.5	0.0	30.6	





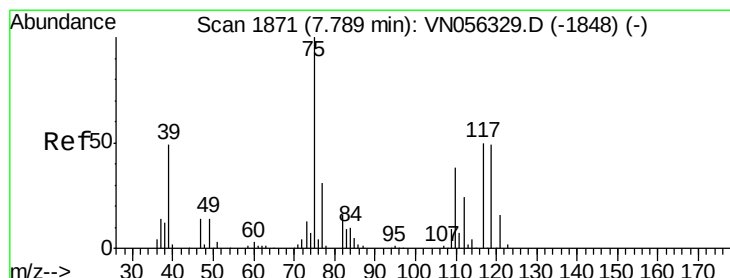
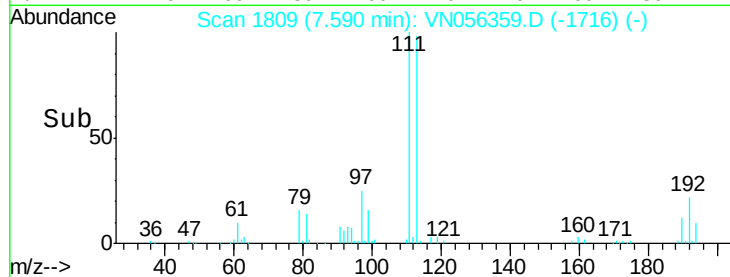
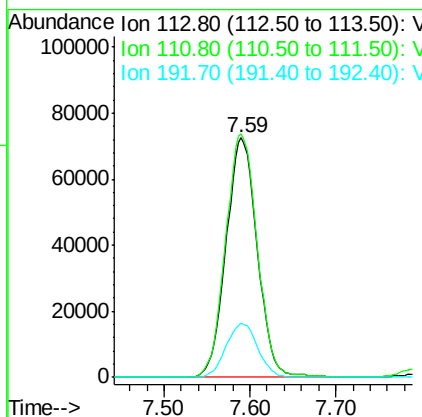
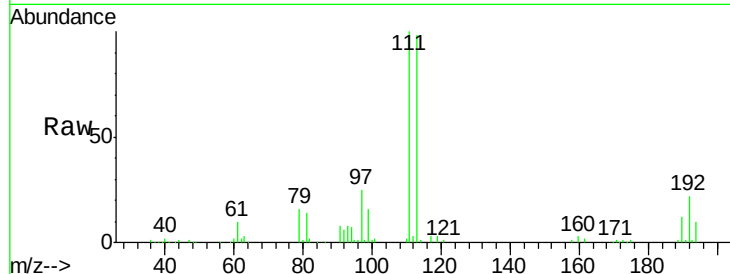
#35
 Dibromofluoromethane
 Concen: 51.854 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	182584		
111	103.0	82.1	123.1	
192	22.8	17.6	26.4	

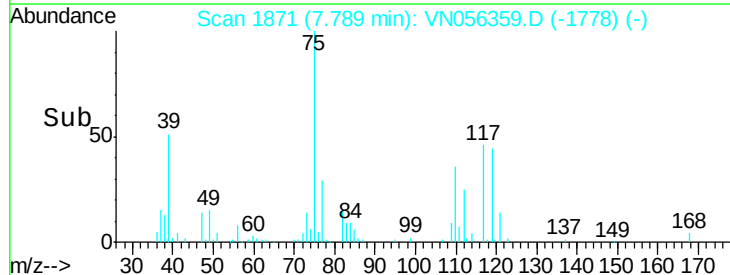
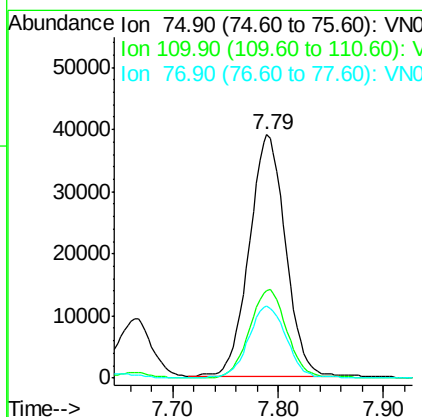
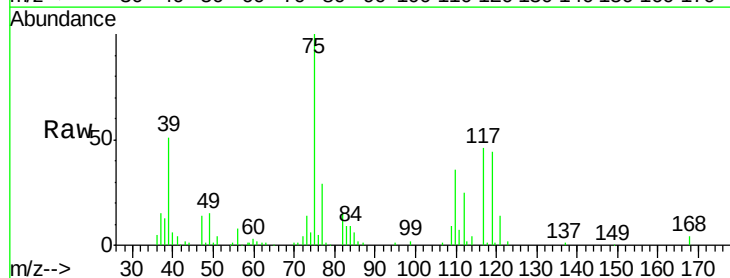
Manual Integrations
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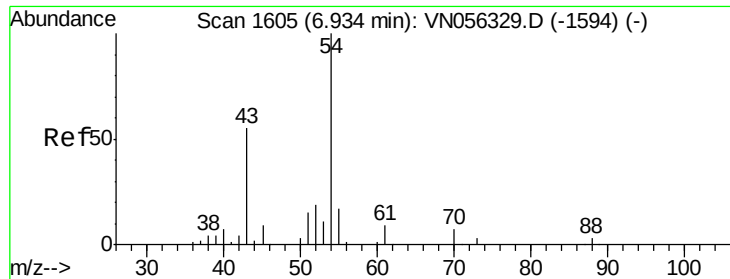
MMDadoda
 6/19/2019 12:19:49 PM



#36
 1,1-Dichloropropene
 Concen: 18.902 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93395		
110	37.8	18.6	56.0	
77	31.0	25.0	37.6	





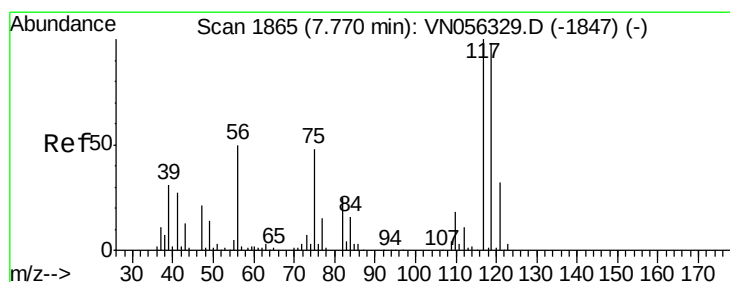
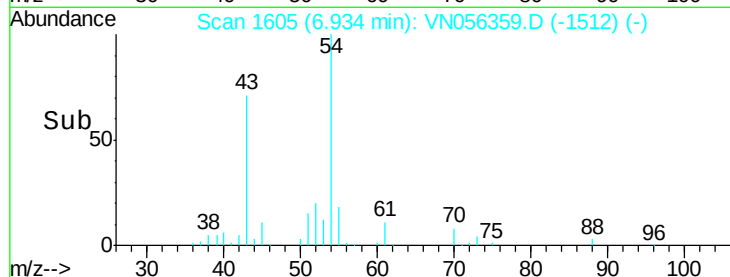
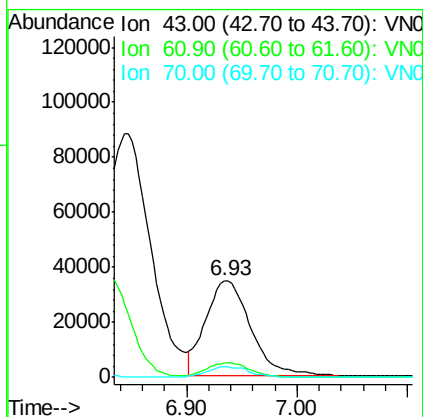
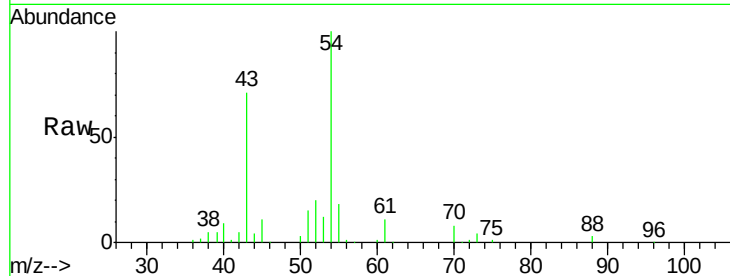
#37
Ethyl Acetate
Concen: 20.919 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampled :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.7	17.5
70	10.7	8.3	12.5

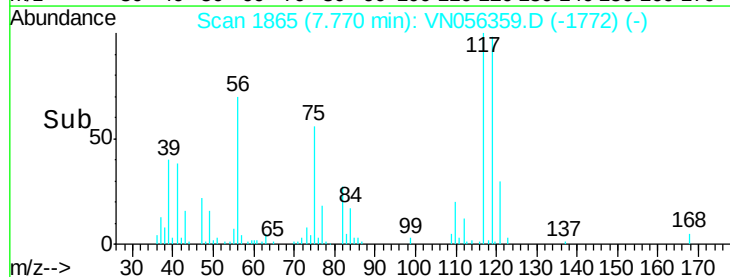
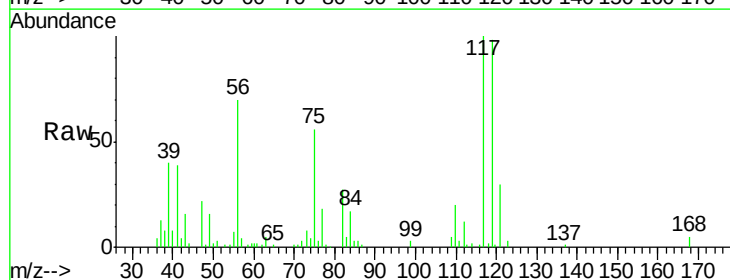
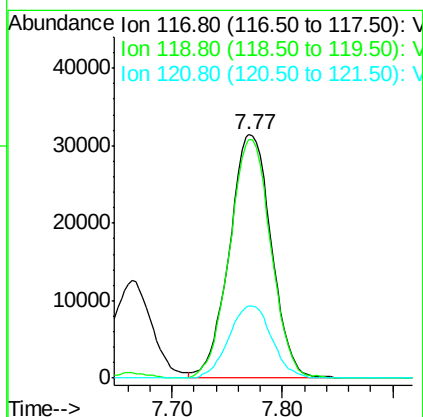
Manual Integrations
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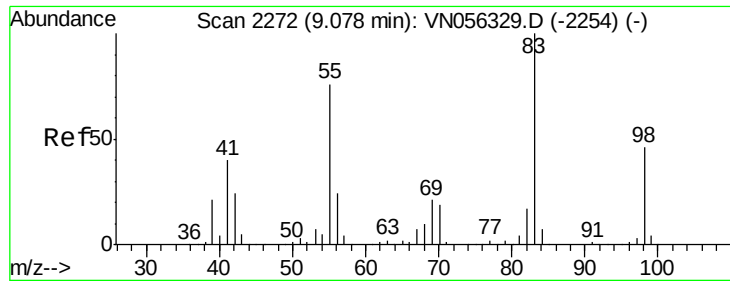
MMDadoda
6/19/2019 12:19:49 PM



#38
Carbon Tetrachloride
Concen: 17.455 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.8	116.8
121	29.8	25.3	37.9





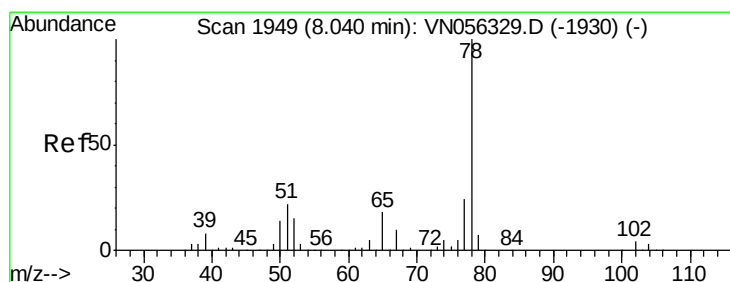
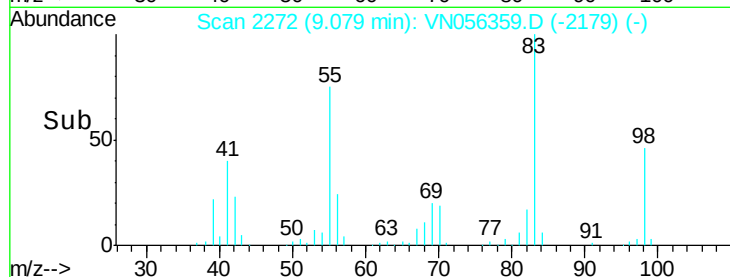
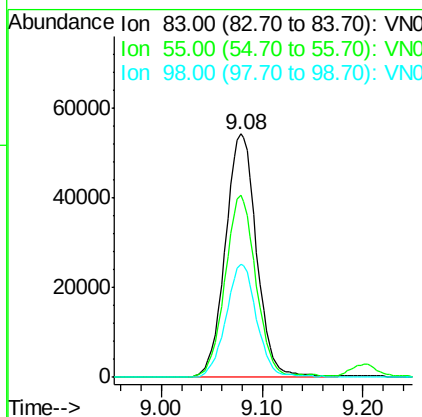
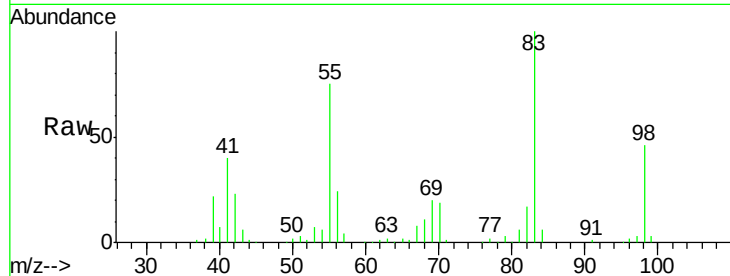
#39
Methylvlcyclohexane
Concen: 19.455 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.8	60.8	91.2	
98	46.4	36.8	55.2	

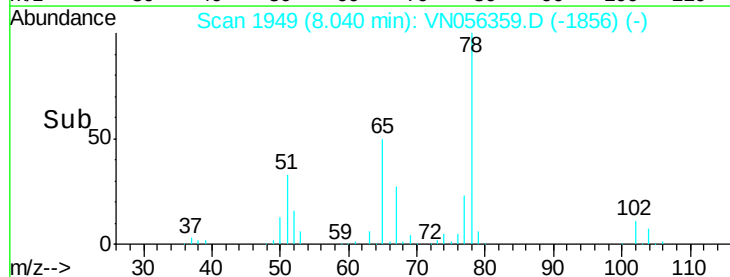
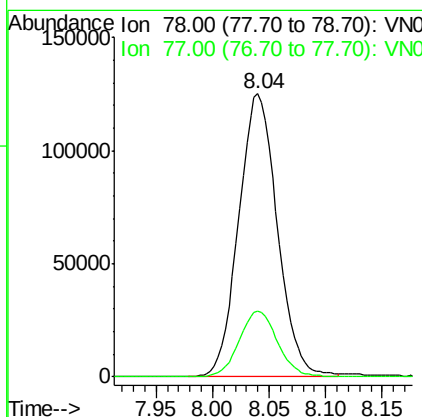
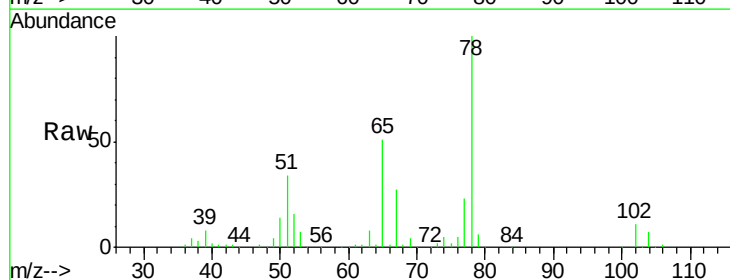
Manual Integrations
APPROVED

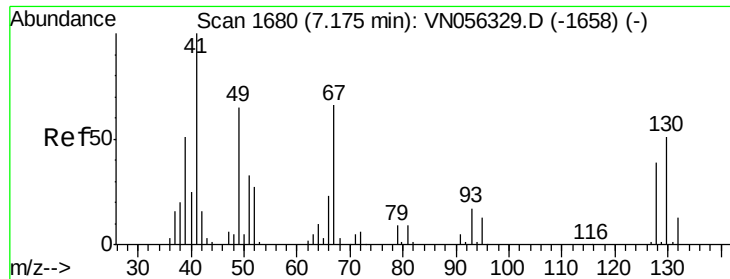
MMDadoda
6/19/2019 12:19:49 PM



#40
Benzene
Concen: 19.885 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	19.2	28.8	





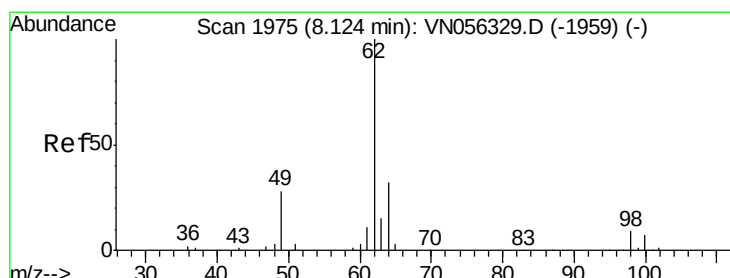
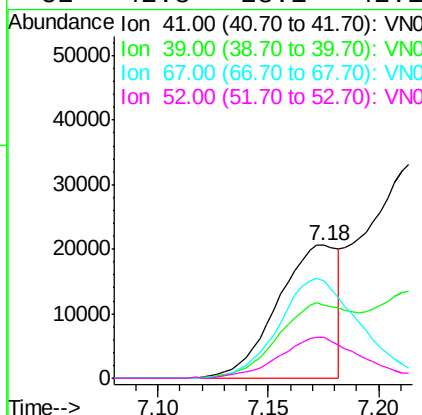
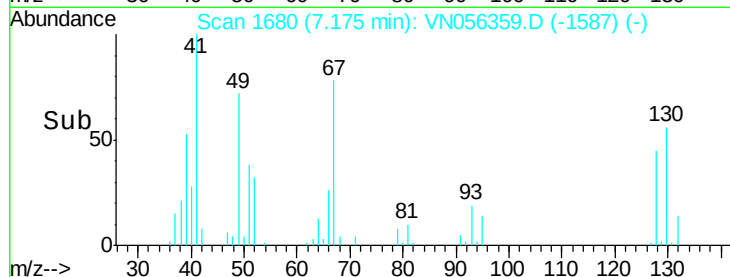
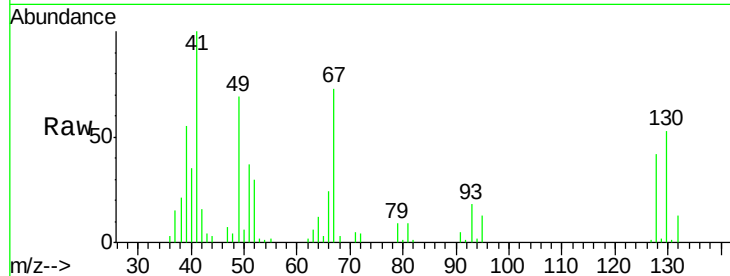
#41
Methacrylonitrile
Concen: 18.174 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.6	44.5	66.7#
67	102.5	69.0	103.4
52	42.8	28.1	42.1#

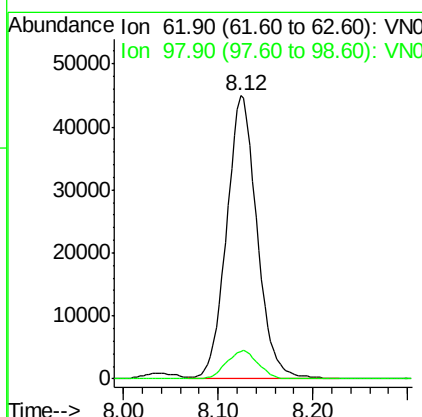
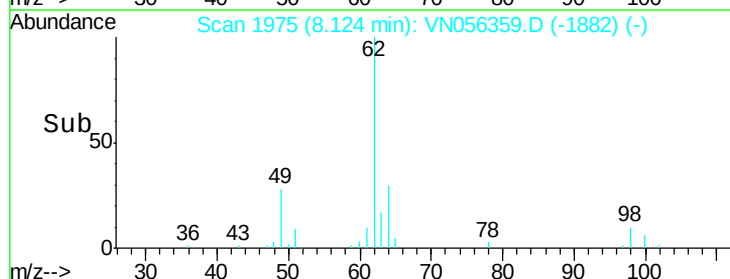
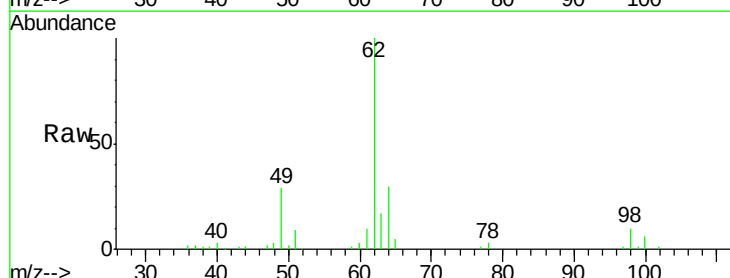
Manual Integrations
APPROVED

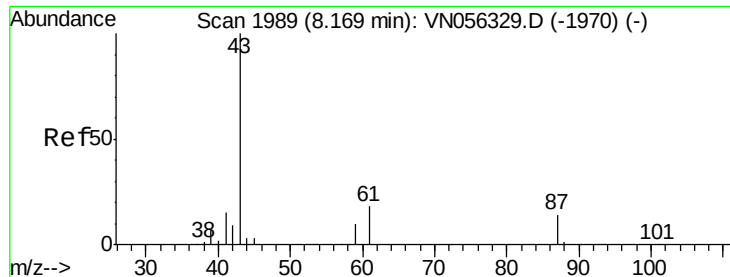
MMDadoda
6/19/2019 12:19:49 PM



#42
1,2-Dichloroethane
Concen: 20.429 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.4





#43

Isopropyl Acetate

Concen: 19.422 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

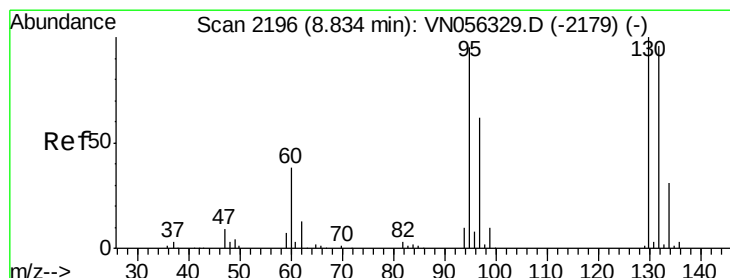
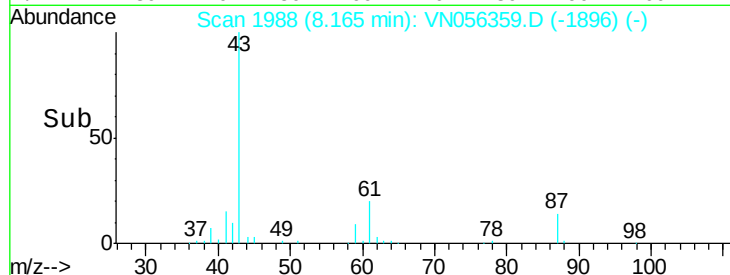
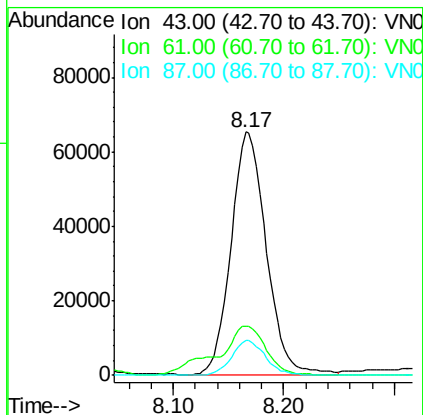
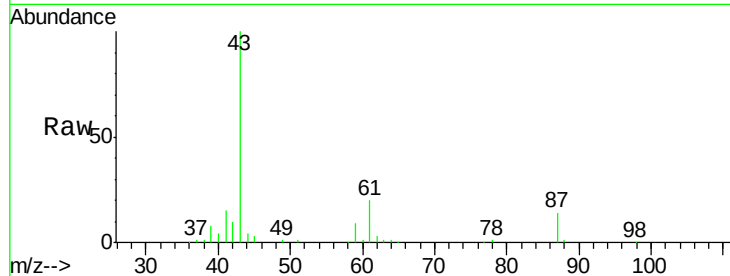
ClientSampleId :

VN0618WBSD02

Tot Ion:	43	Resp:	145477
Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.6	25.0
87	13.6	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 19.651 ug/l

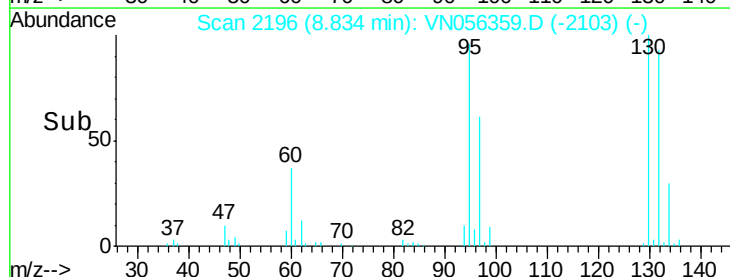
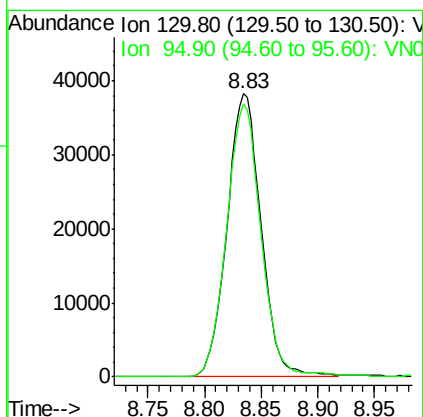
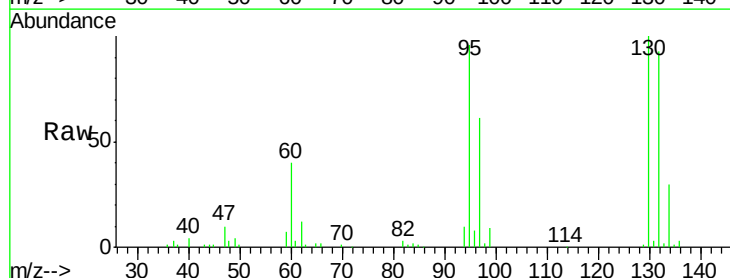
RT: 8.83 min Scan# 2196

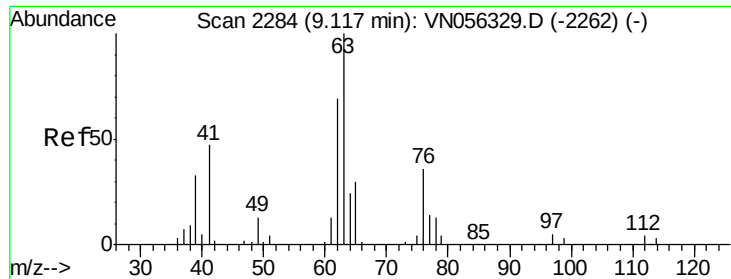
Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Tgt Ion:	130	Resp:	80100
Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	190.4





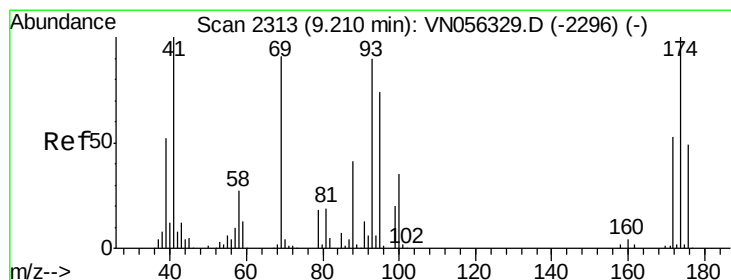
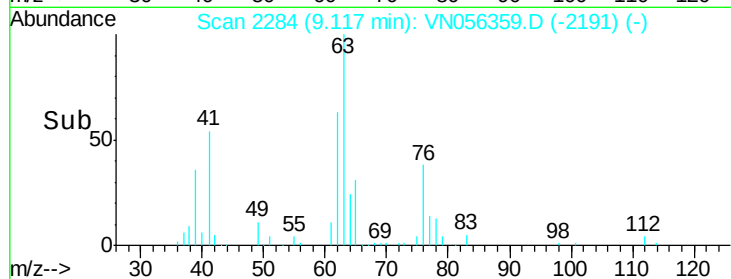
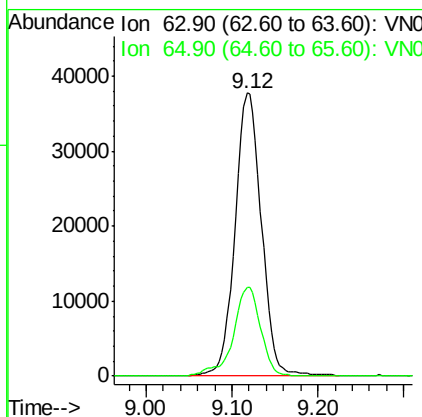
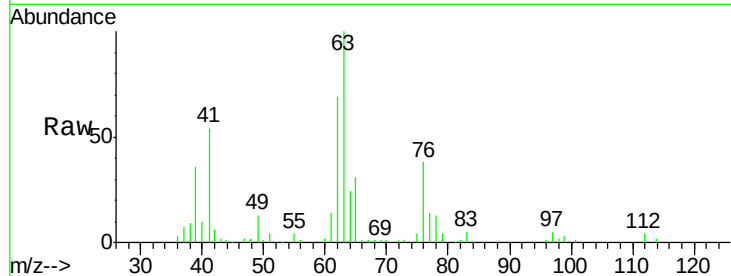
#45
 1,2-Dichloropropane
 Concen: 20.275 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion: 63 Resp: 80315
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.4 36.6

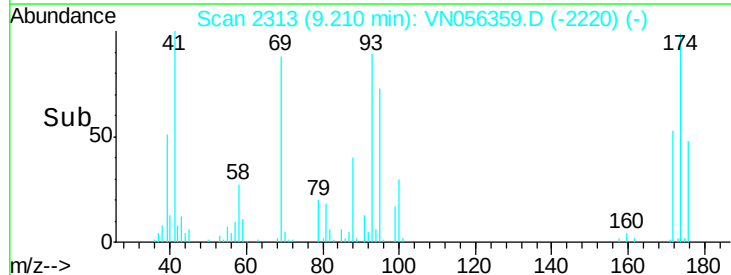
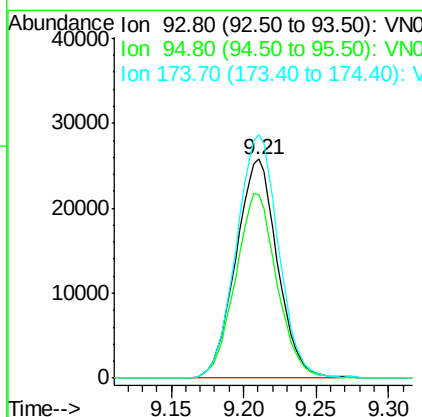
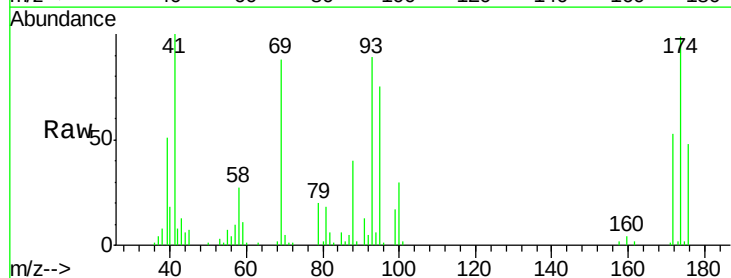
Manual Integrations
 APPROVED

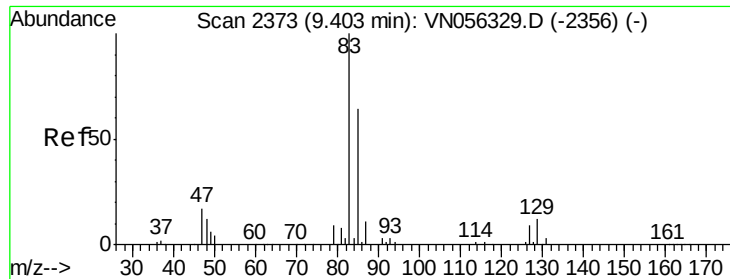
MMDadoda
 6/19/2019 12:19:49 PM



#46
 Dibromomethane
 Concen: 19.541 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion: 93 Resp: 51439
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.2 100.8
 174 112.3 90.3 135.5





#47

Bromodichloromethane

Concen: 17.539 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

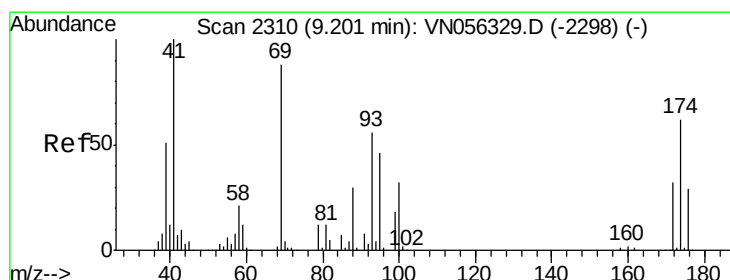
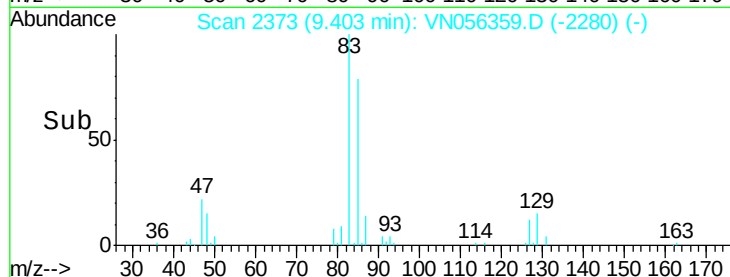
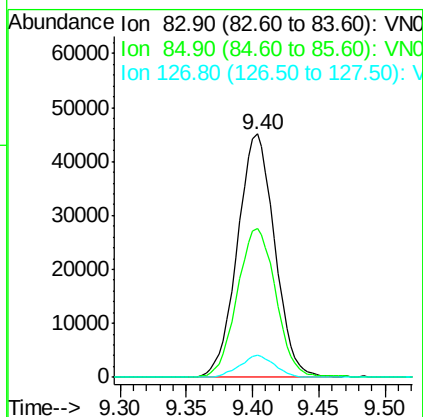
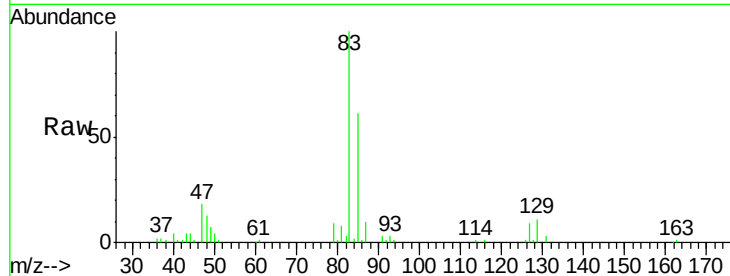
ClientSampleId :

VN0618WBSD02

Tot Ion:	83	Resp:	88207
Ion Ratio	Lower	Upper	
83	100		
85	61.2	51.1	76.7
127	9.0	7.1	10.7

Manual Integrations
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MMDadoda
6/19/2019 12:19:49 PM



#48

Methyl methacrylate

Concen: 19.547 ug/l

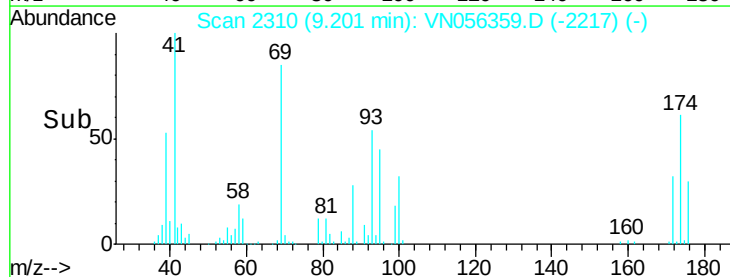
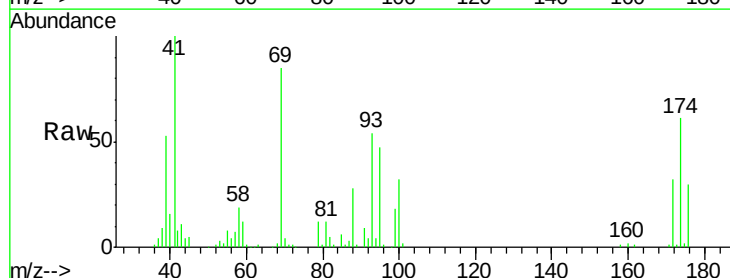
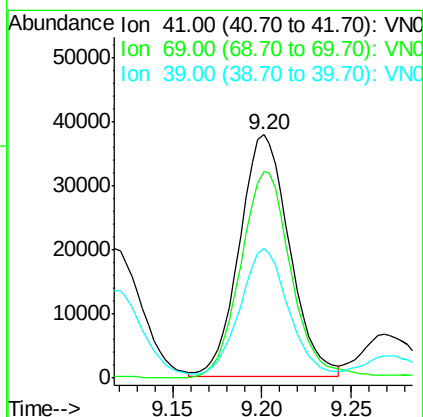
RT: 9.20 min Scan# 2310

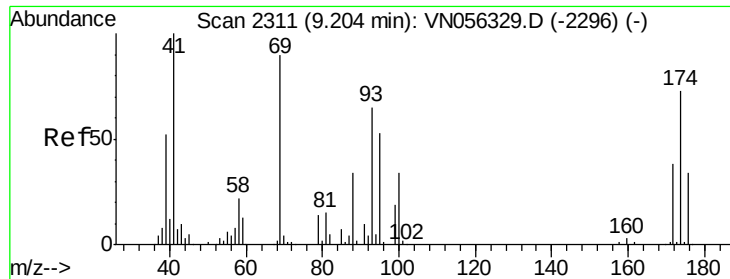
Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Tgt Ion:	41	Resp:	73871
Ion Ratio	Lower	Upper	
41	100		
69	86.2	71.0	106.6
39	52.5	41.7	62.5





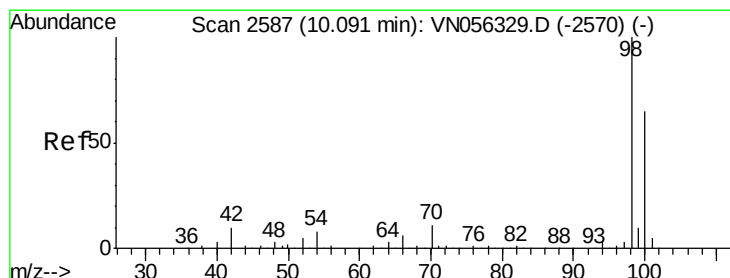
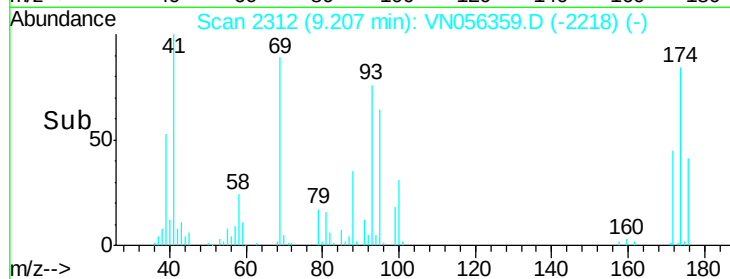
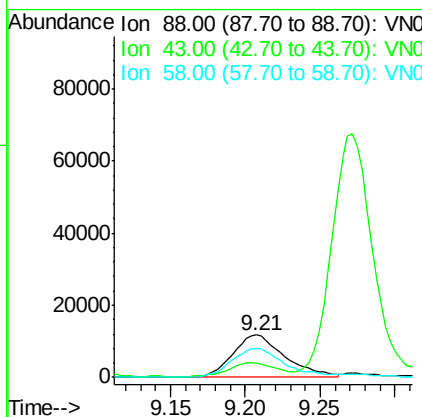
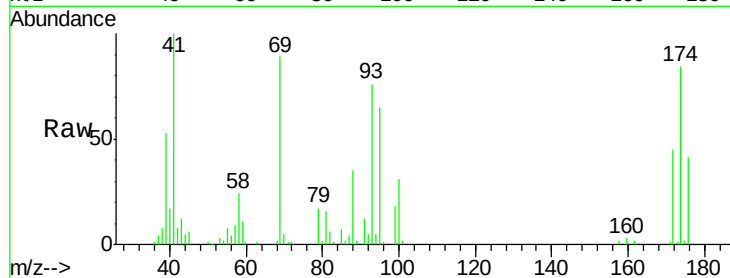
#49
1,4-Dioxane
Concen: 372.982 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	21.9	32.9
58	68.3	57.3	85.9

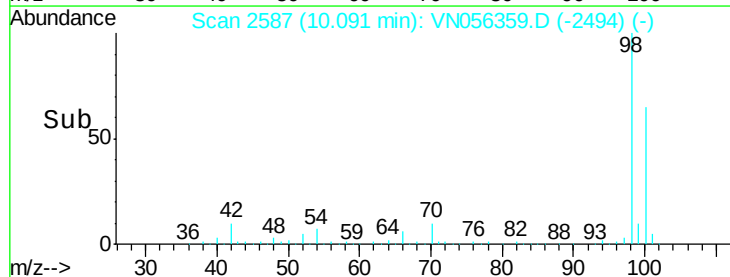
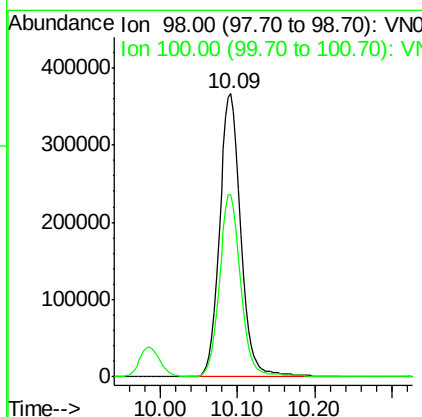
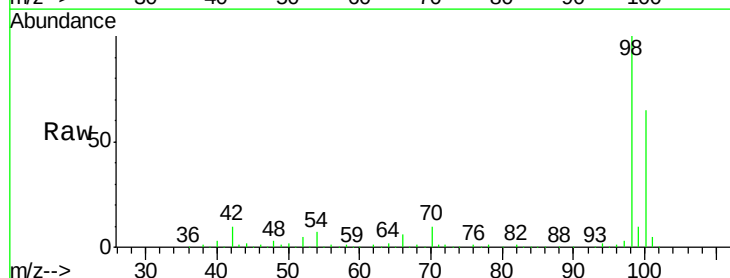
Manual Integrations
APPROVED

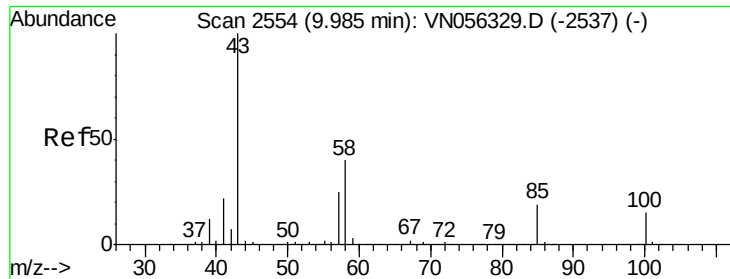
MMDadoda
6/19/2019 12:19:49 PM



#50
Toluene-d8
Concen: 52.417 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 99.762 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 43 Resp: 476251

Ion Ratio Lower Upper

43 100

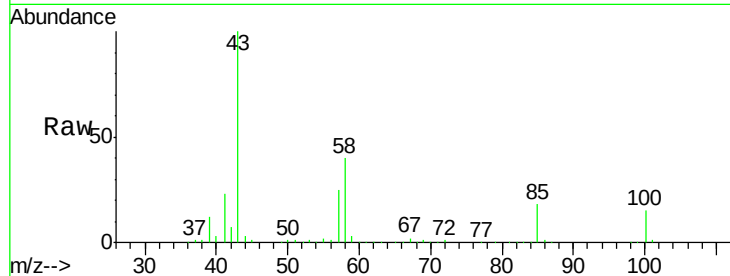
58 39.8 31.8 47.6

Manual Integrations

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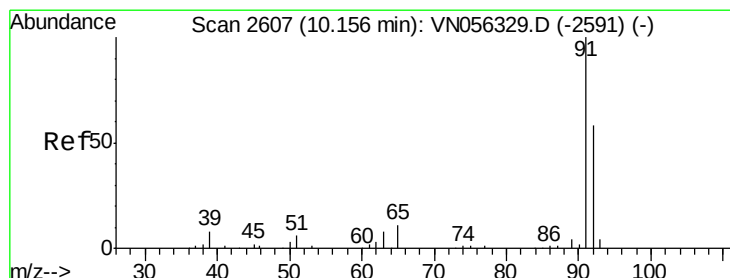
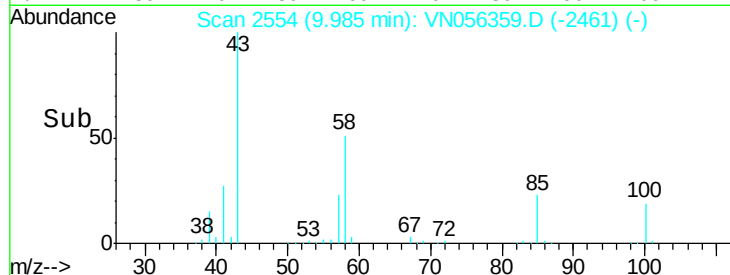
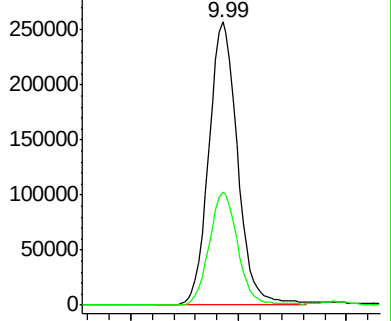
MMDadoda

6/19/2019 12:19:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.880 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056359.D

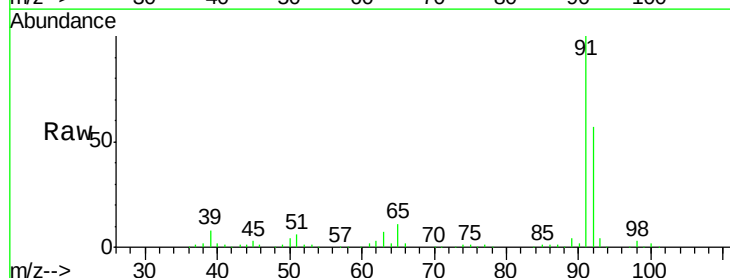
Acq: 18 Jun 2019 12:33

Tgt Ion: 92 Resp: 181874

Ion Ratio Lower Upper

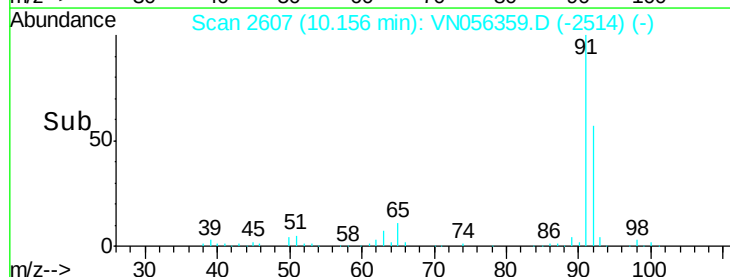
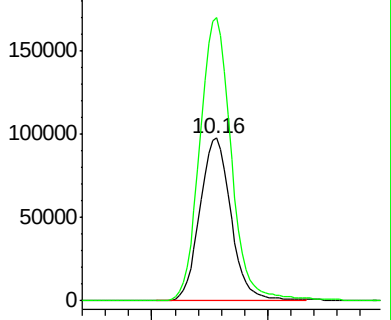
92 100

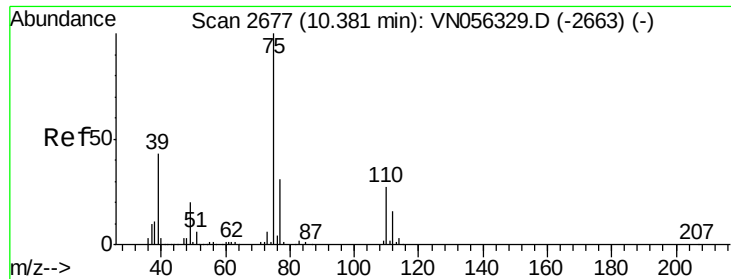
91 176.2 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





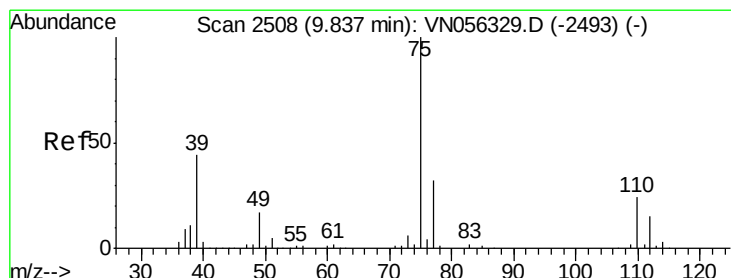
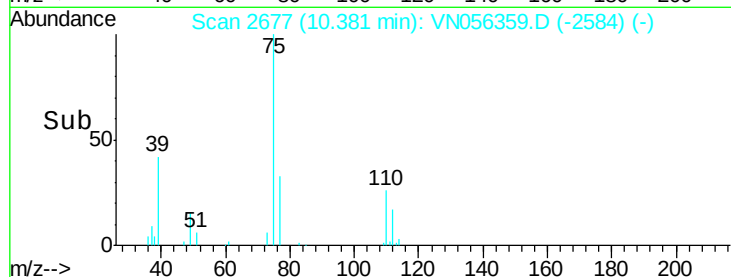
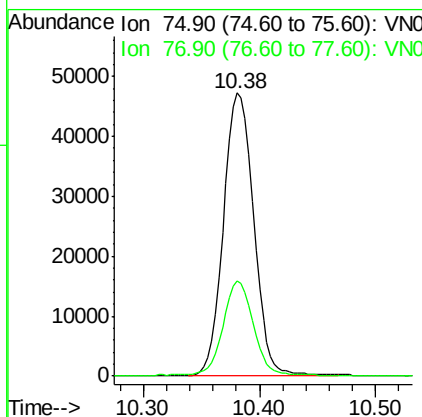
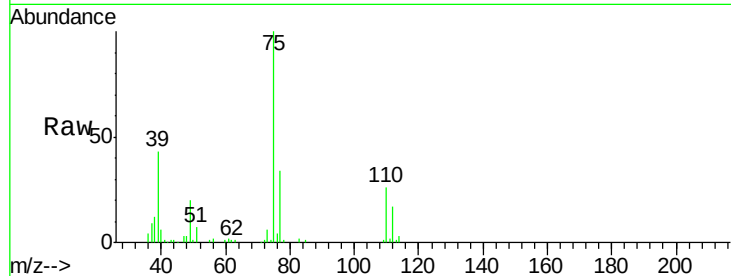
#53
t-1,3-Dichloropropene
Concen: 17.207 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion: 75 Resp: 85924
Ion Ratio Lower Upper
75 100
77 33.3 25.1 37.7

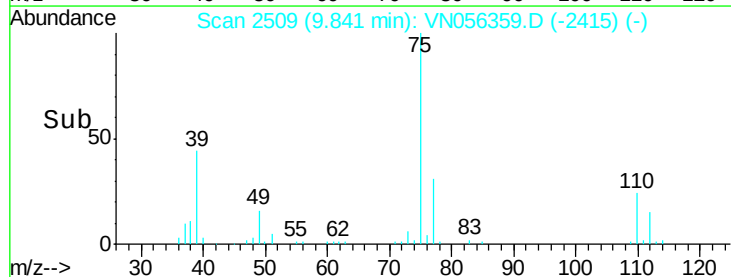
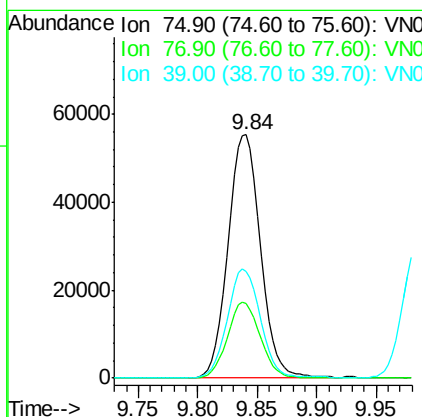
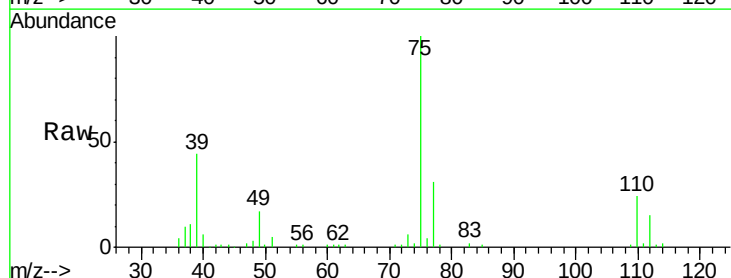
Manual Integrations
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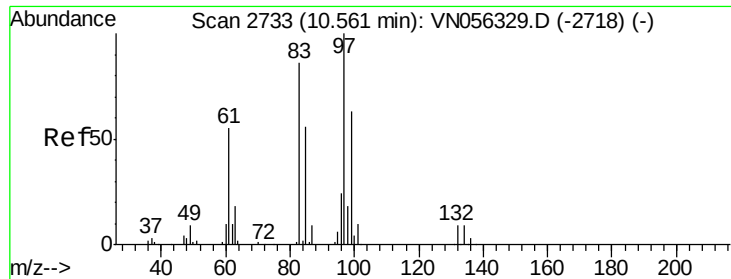
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.191 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 75 Resp: 104774
Ion Ratio Lower Upper
75 100
77 30.6 25.7 38.5
39 44.1 35.4 53.0





#55

1,1,2-Trichloroethane

Concen: 20.008 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 97 Resp: 75228

Ion Ratio Lower Upper

97 100

83 86.4 69.0 103.4

85 56.8 44.6 67.0

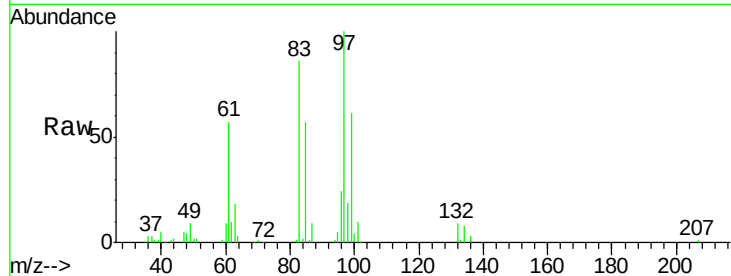
99 61.1 50.5 75.7

Manual Integrations

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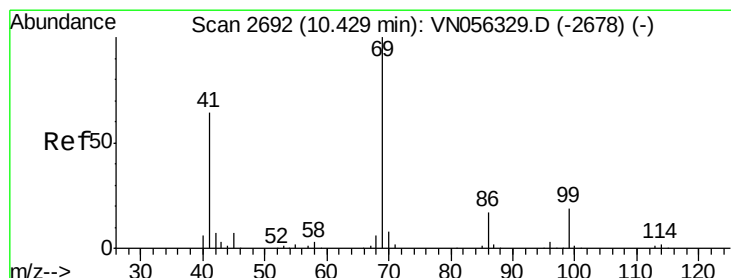
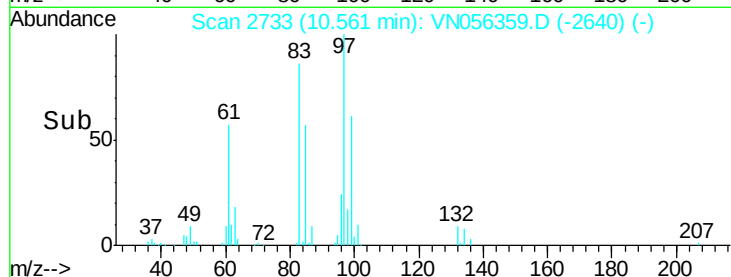
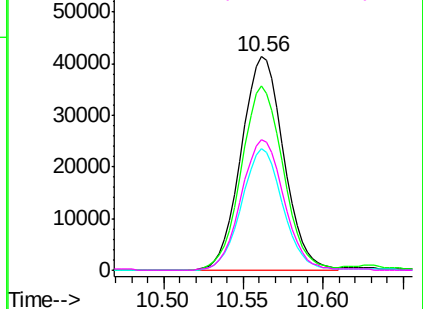


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.882 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

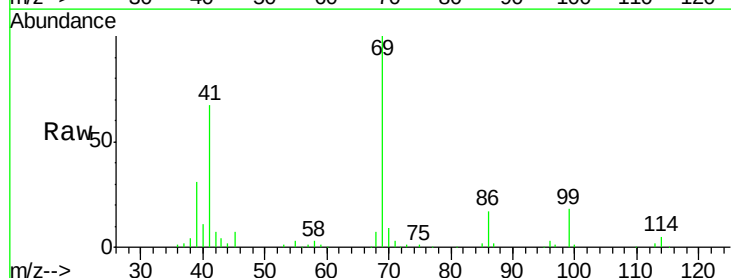
Tgt Ion: 69 Resp: 107507

Ion Ratio Lower Upper

69 100

41 63.0 52.0 78.0

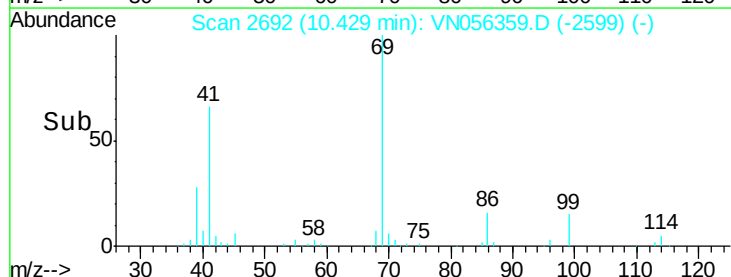
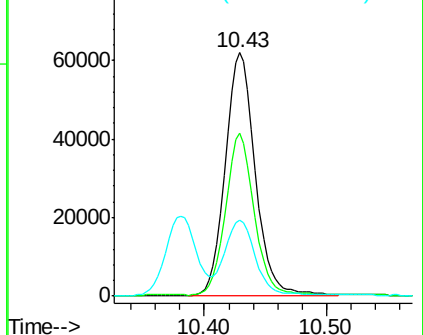
39 31.0 24.4 36.6

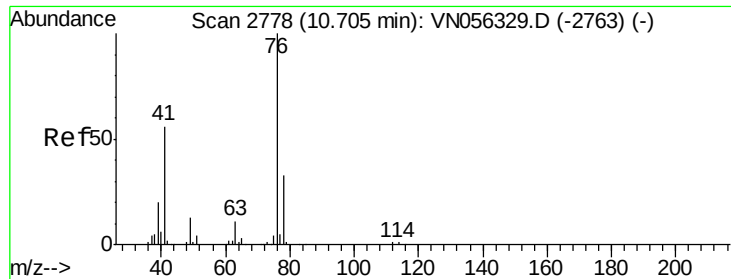


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





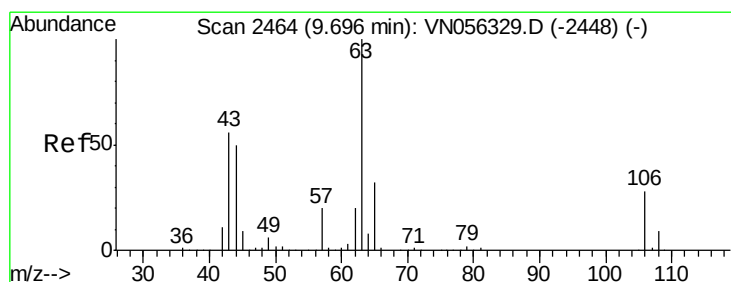
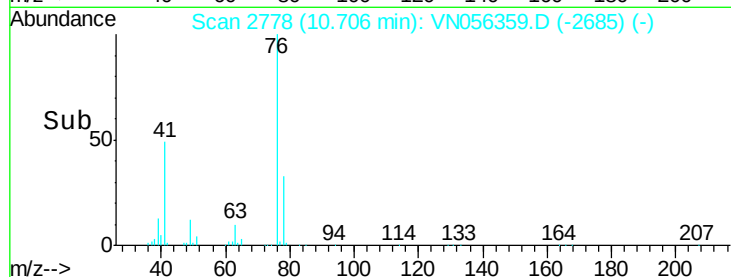
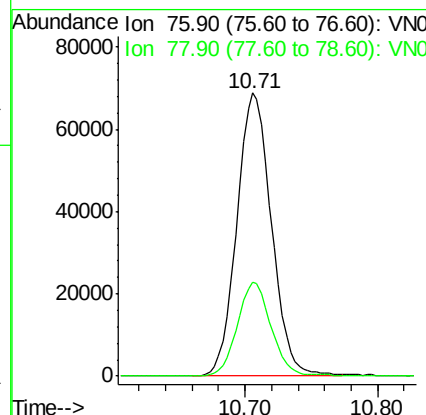
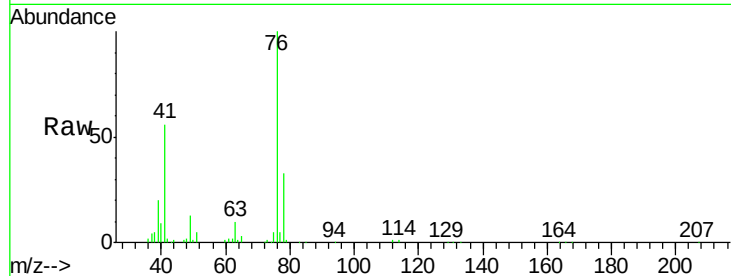
#57
 1,3-Dichloropropane
 Concen: 19.699 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion: 76 Resp: 124757
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2

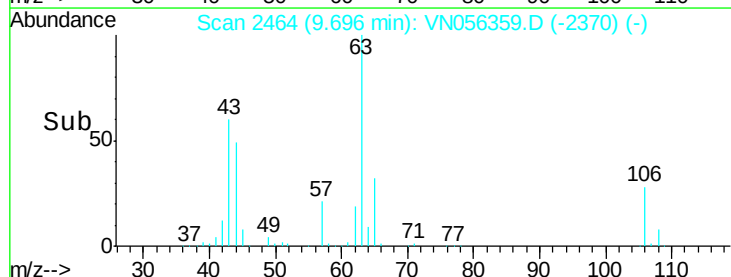
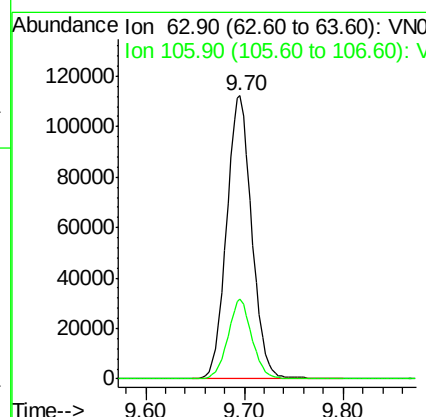
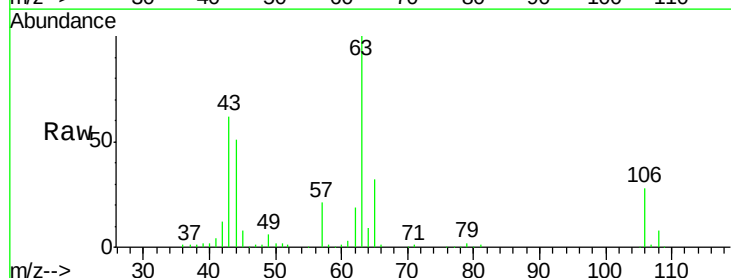
Manual Integrations
 APPROVED

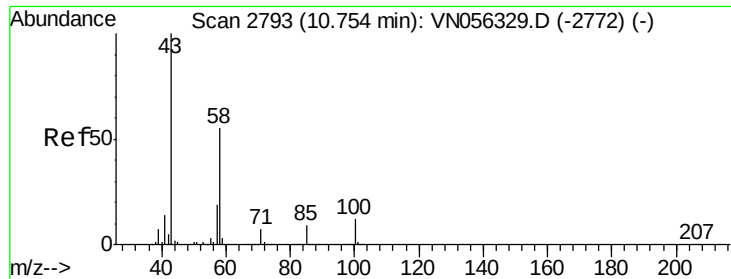
MMDadoda
 6/19/2019 12:19:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.054 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion: 63 Resp: 201245
 Ion Ratio Lower Upper
 63 100
 106 26.7 22.2 33.2





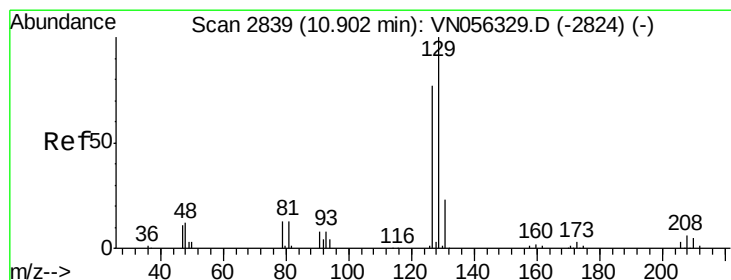
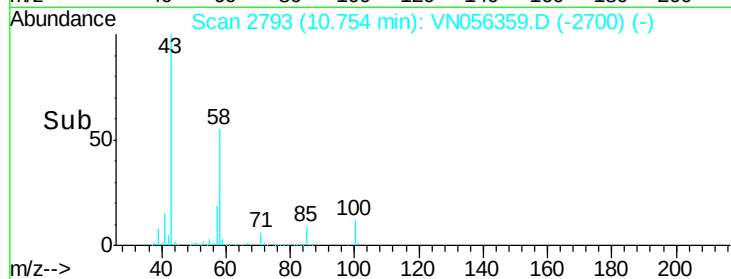
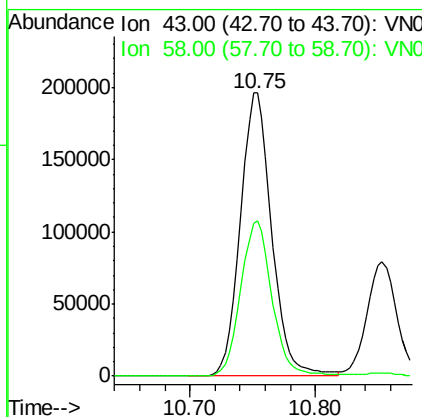
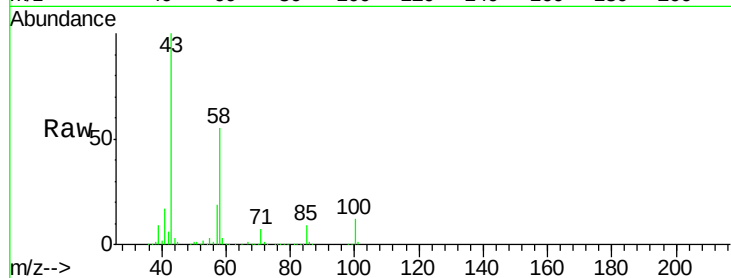
#59
2-Hexanone
Concen: 96.279 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion: 43 Resp: 340876
Ion Ratio Lower Upper
43 100
58 55.1 27.8 83.4

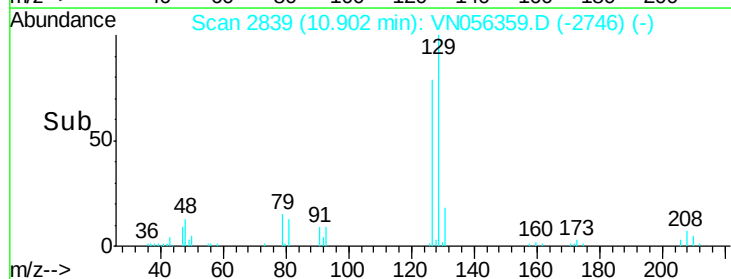
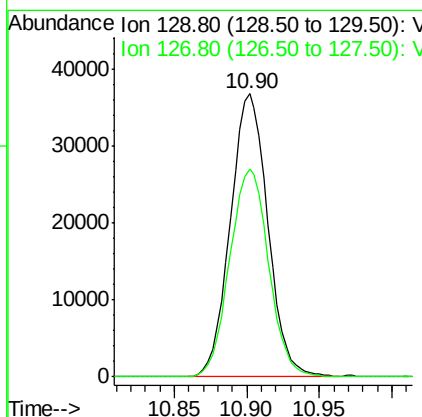
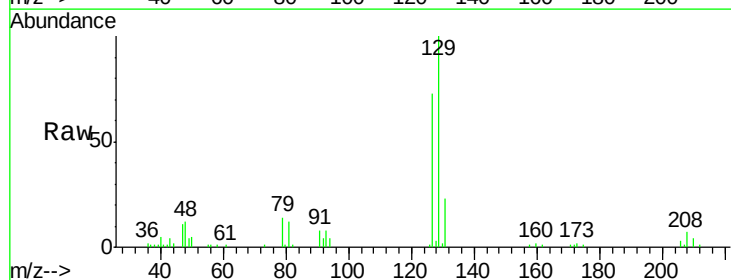
Manual Integrations
APPROVED

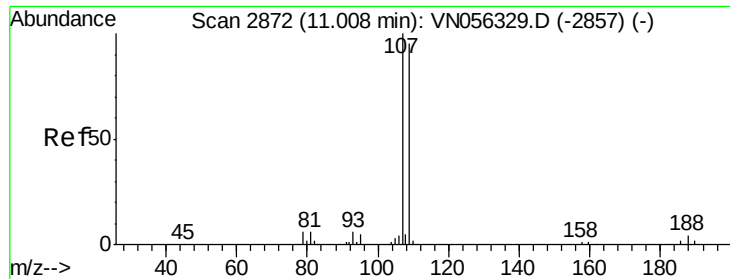
MMDadoda
6/19/2019 12:19:49 PM



#60
Dibromochloromethane
Concen: 16.755 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 129 Resp: 66071
Ion Ratio Lower Upper
129 100
127 76.1 38.6 116.0





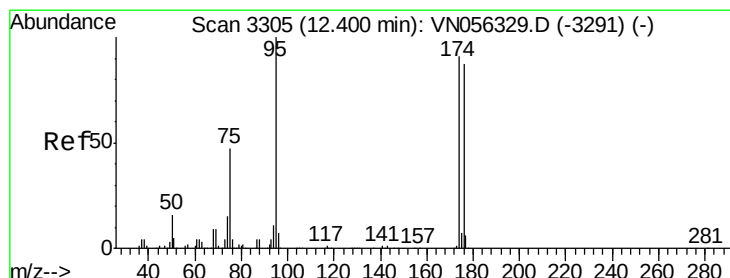
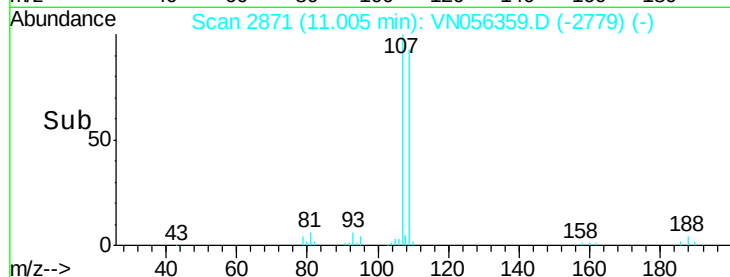
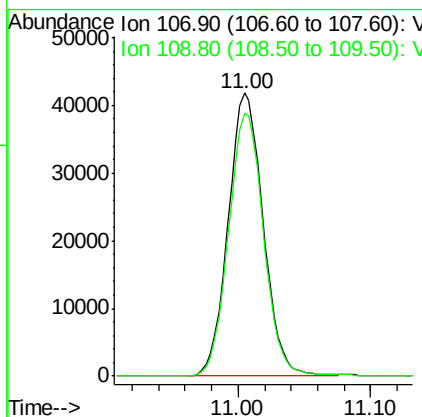
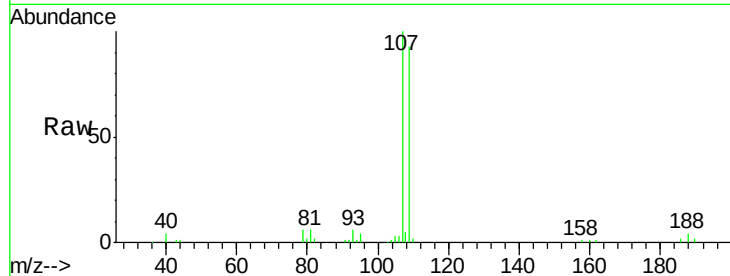
#61
 1,2-Dibromoethane
 Concen: 19.834 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		76655		
109	93.4	75.4	113.2		

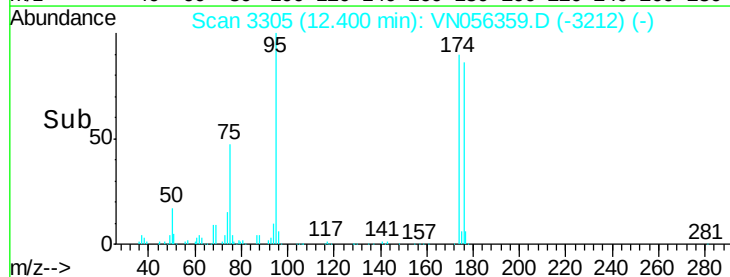
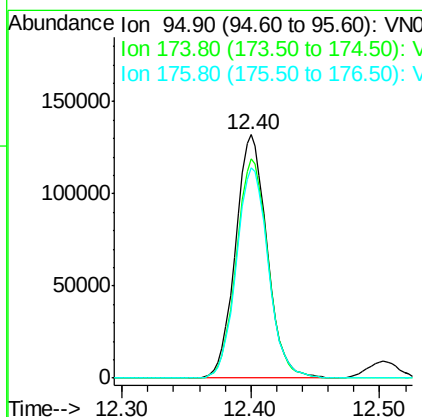
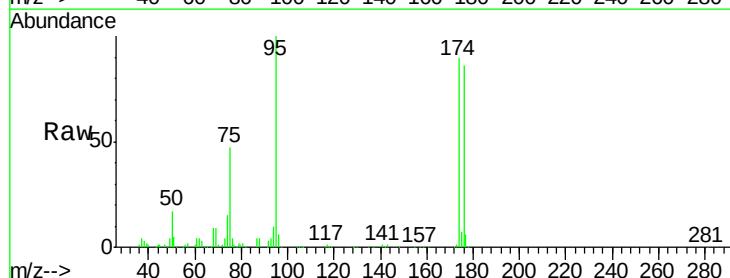
Manual Integrations
 APPROVED

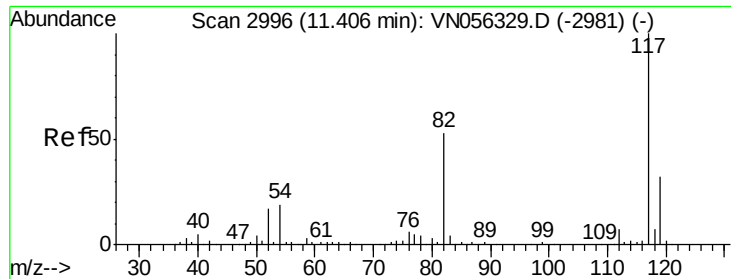
MMDadoda
 6/19/2019 12:19:49 PM



#62
 4-Bromofluorobenzene
 Concen: 50.404 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		224672		
174	90.6	0.0	182.6		
176	87.6	0.0	176.8		





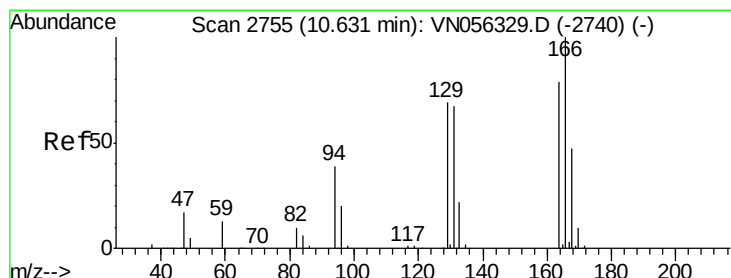
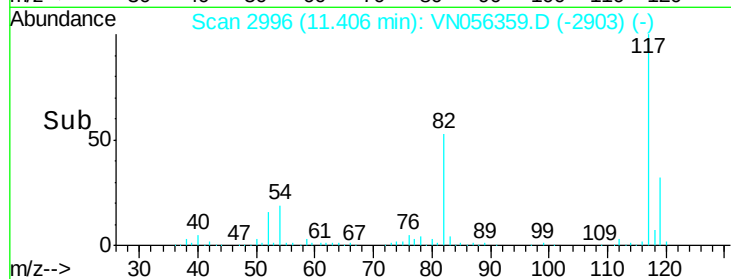
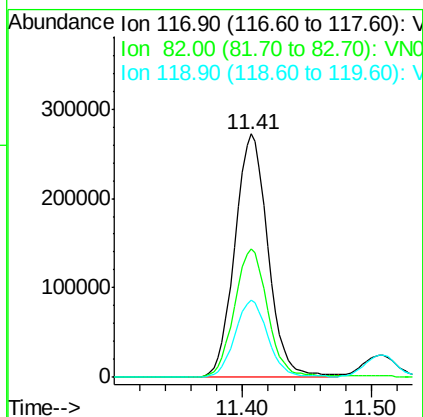
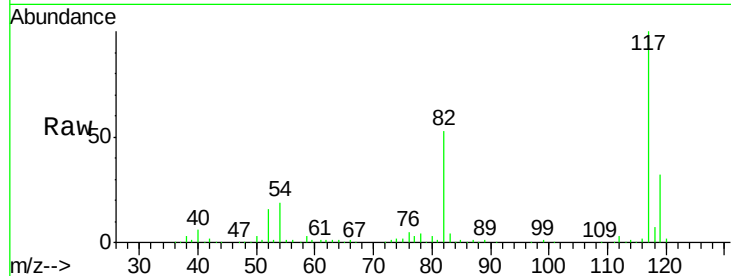
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.4	63.6
119	31.8	26.0	39.0

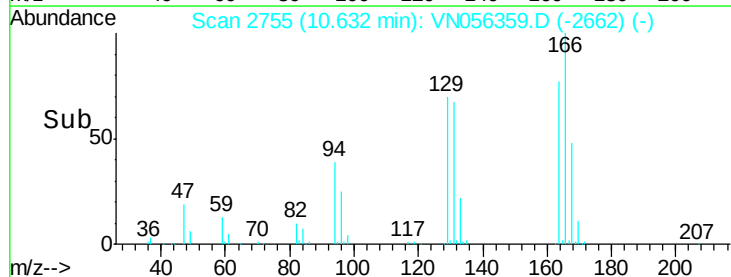
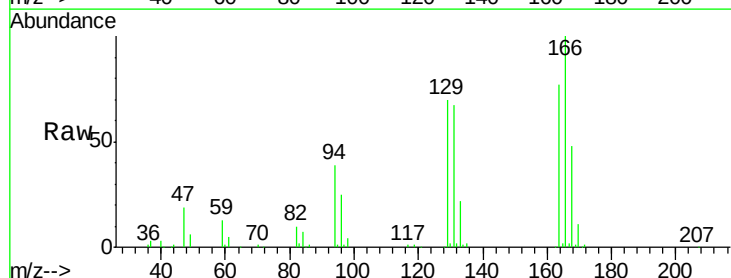
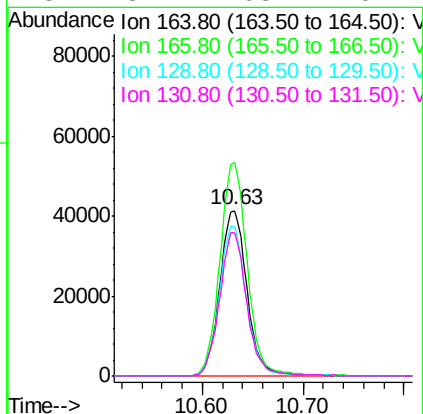
Manual Integrations
APPROVED

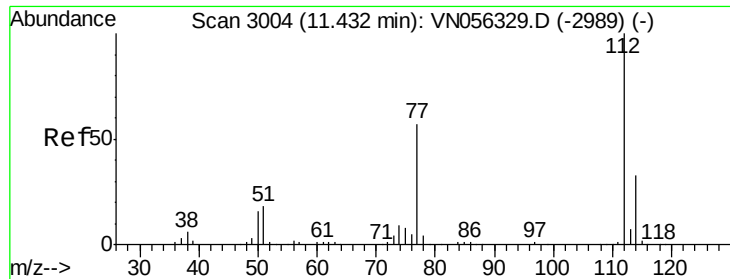
MMDadoda
6/19/2019 12:19:49 PM



#64
Tetrachloroethene
Concen: 19.570 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.8	152.6
129	91.0	70.3	105.5
131	87.1	68.2	102.4





#65

Chlorobenzene

Concen: 19.592 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion:112 Resp: 193767

Ion Ratio Lower Upper

112 100

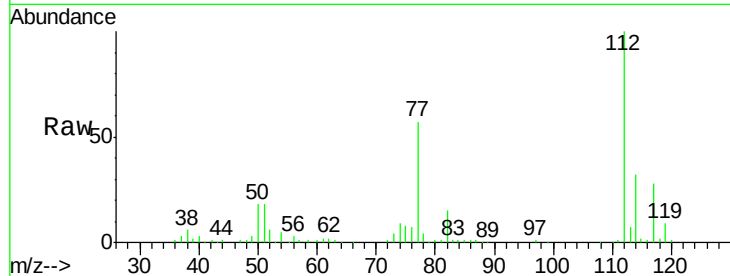
114 31.6 26.1 39.1

Manual Integrations

APPROVED

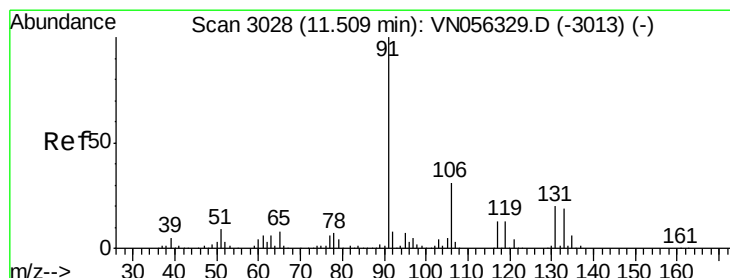
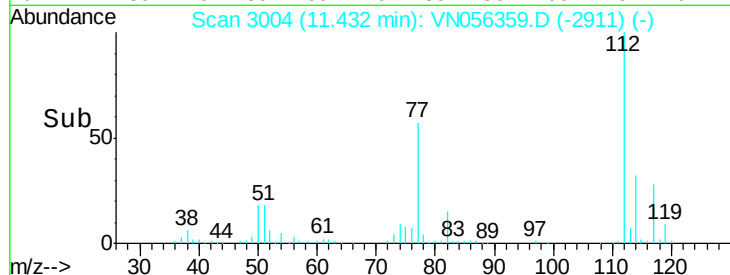
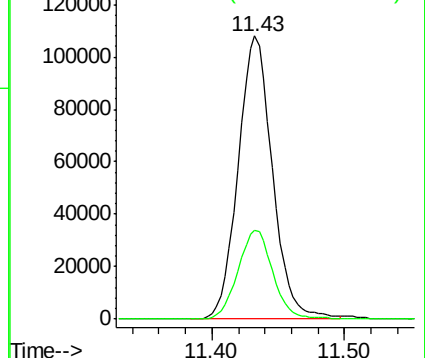
MMDadoda

6/19/2019 12:19:49 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.002 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

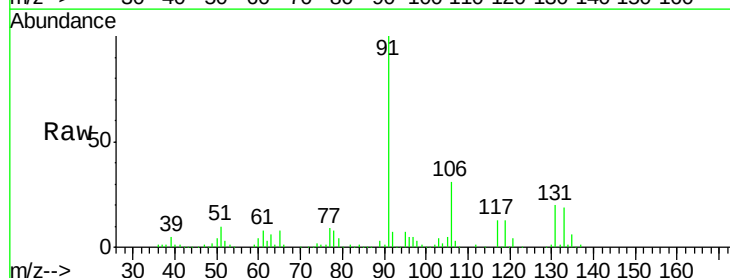
Tgt Ion:131 Resp: 66468

Ion Ratio Lower Upper

131 100

133 96.0 47.9 143.7

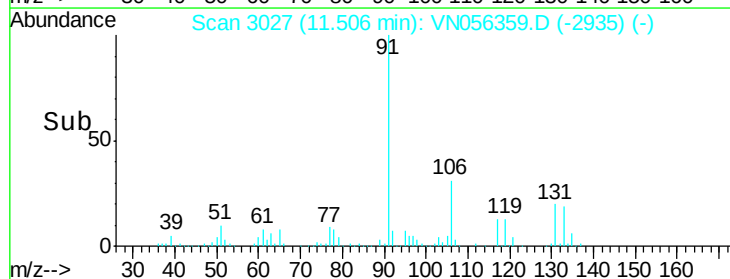
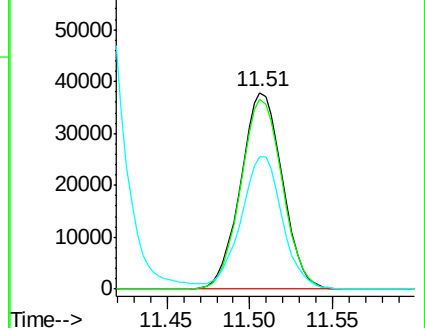
119 67.0 33.5 100.5

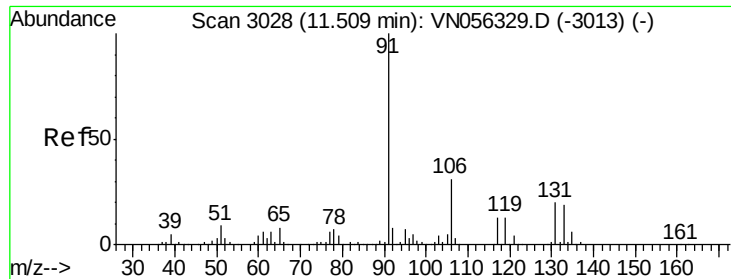


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





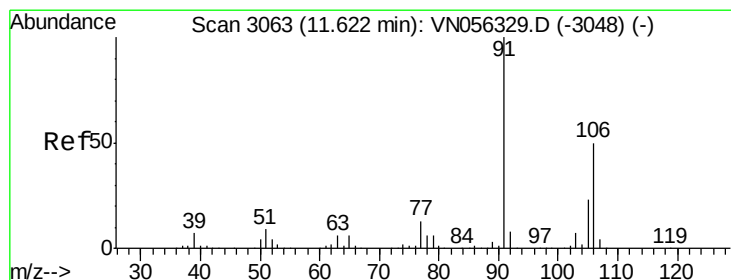
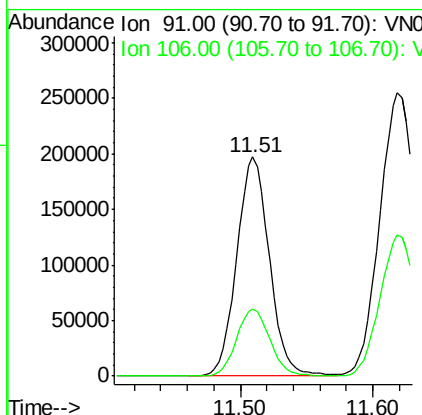
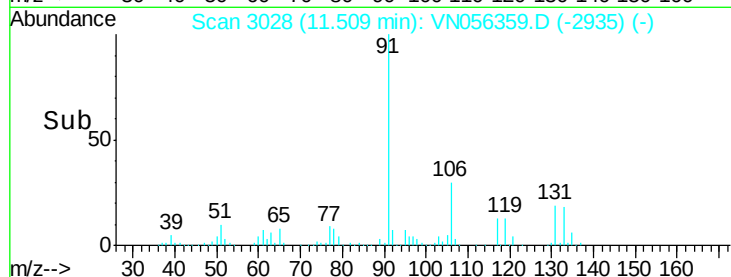
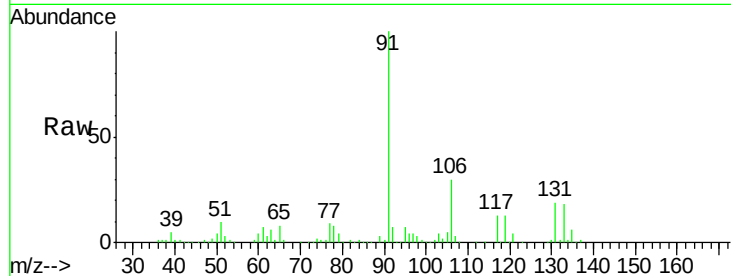
#67
Ethyl Benzene
Concen: 19.814 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion: 91 Resp: 337311
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.6

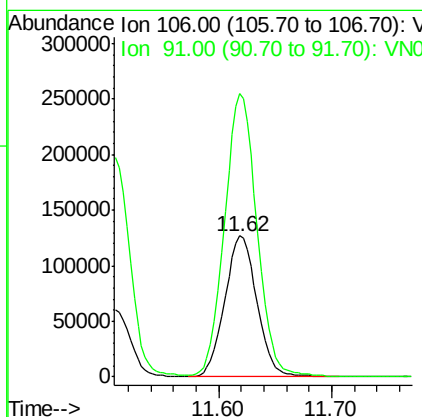
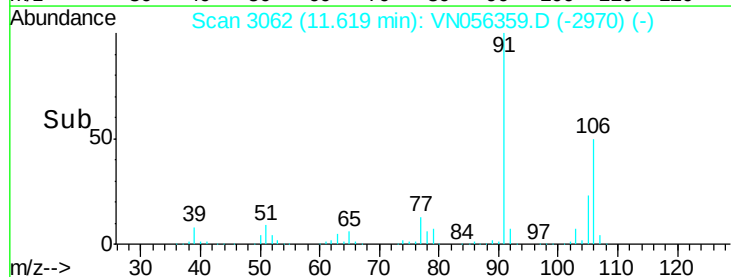
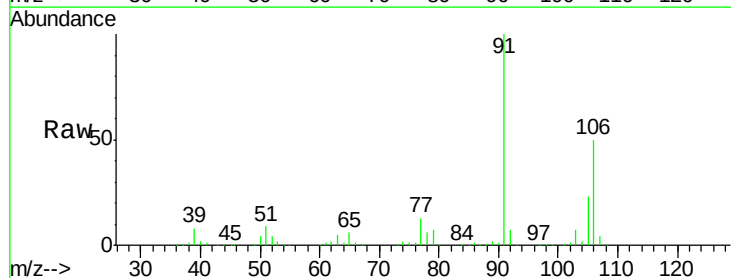
Manual Integrations
APPROVED

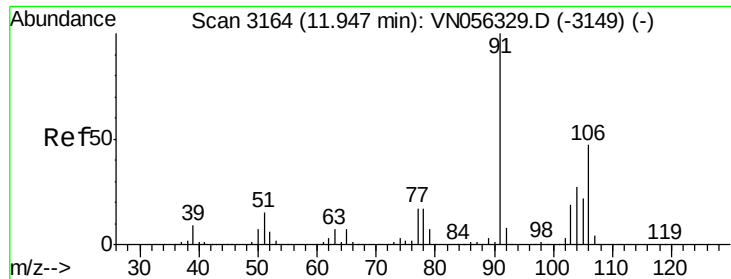
MMDadoda
6/19/2019 12:19:49 PM



#68
m/p-Xylenes
Concen: 39.682 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 106 Resp: 251434
Ion Ratio Lower Upper
106 100
91 202.3 160.7 241.1





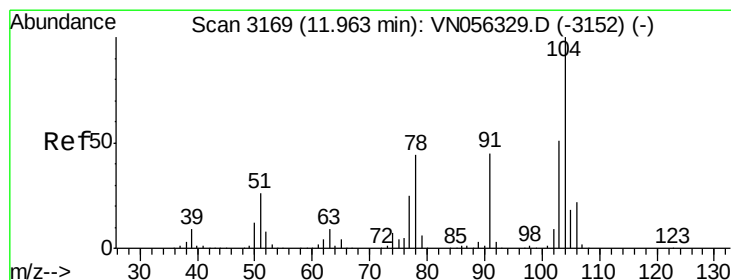
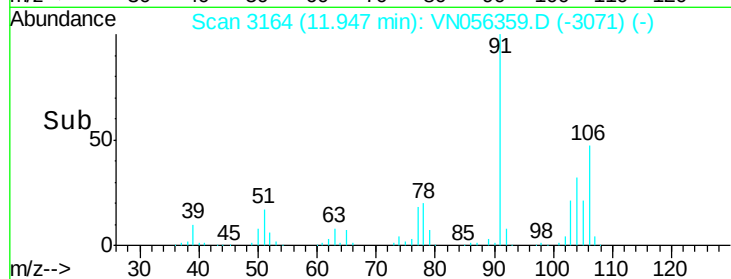
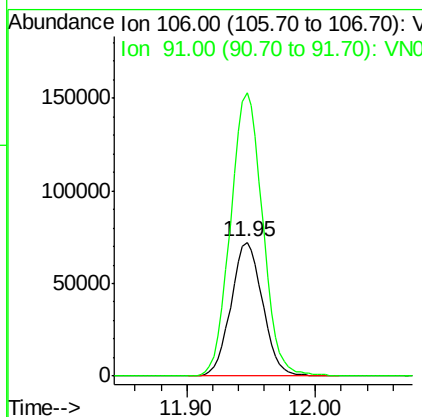
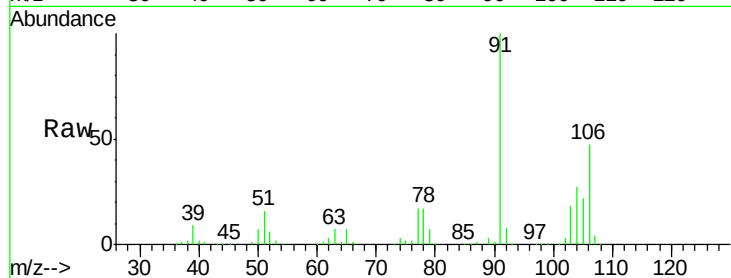
#69
o-Xylene
Concen: 19.753 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.1	105.6	316.7	

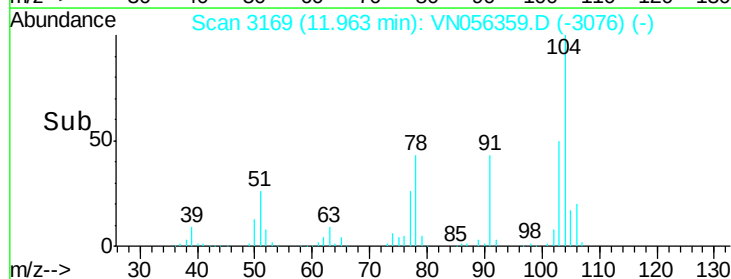
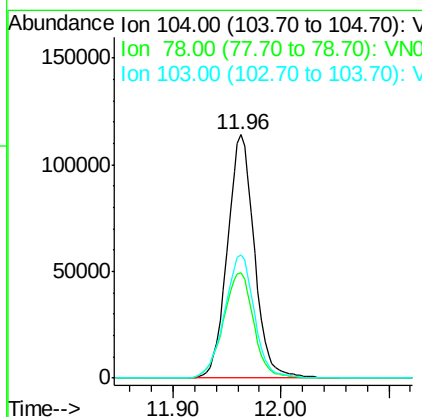
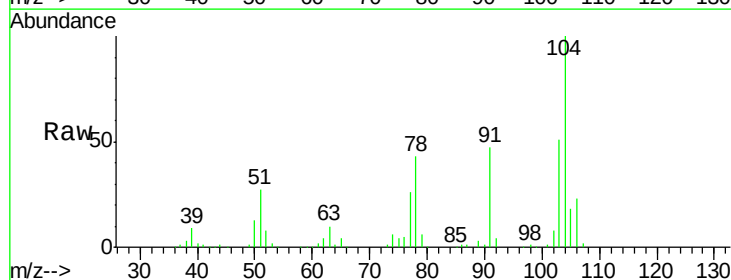
Manual Integrations
APPROVED

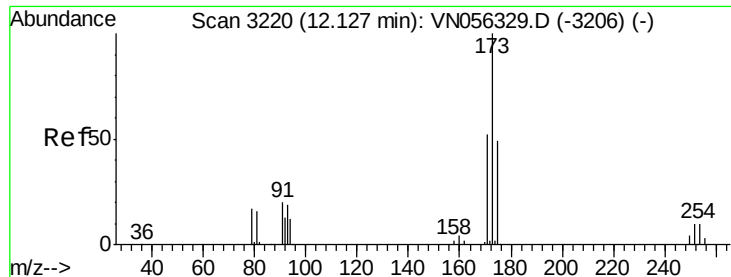
MMDadoda
6/19/2019 12:19:49 PM



#70
Styrene
Concen: 19.710 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.6	38.4	57.6	
103	56.0	44.0	66.0	





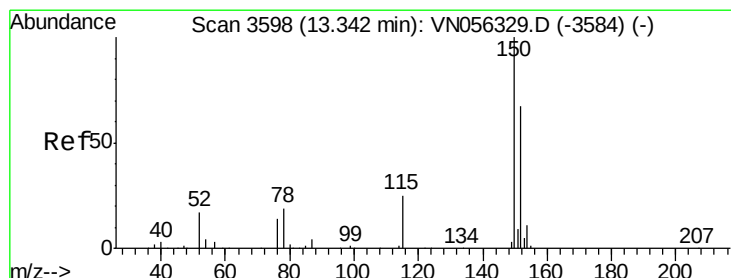
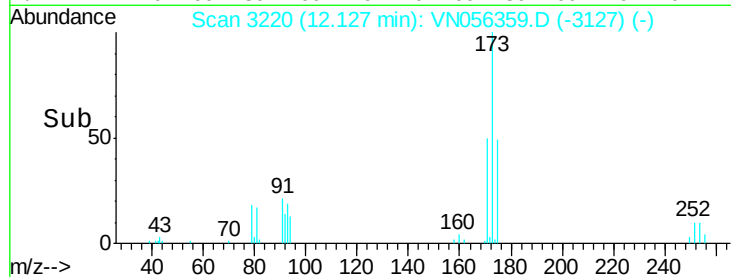
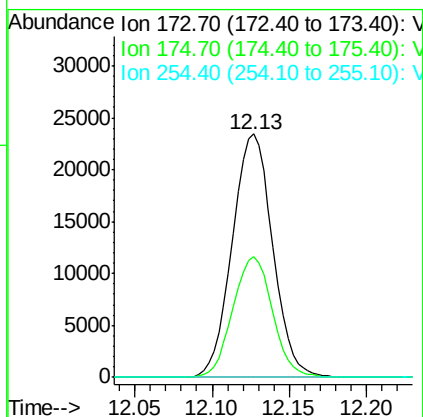
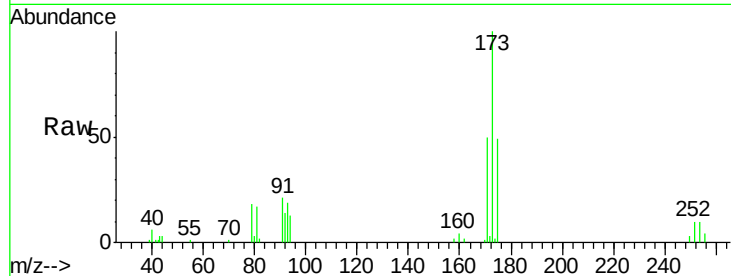
#71
Bromoform
Concen: 14.831 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.0	0.0	0.0

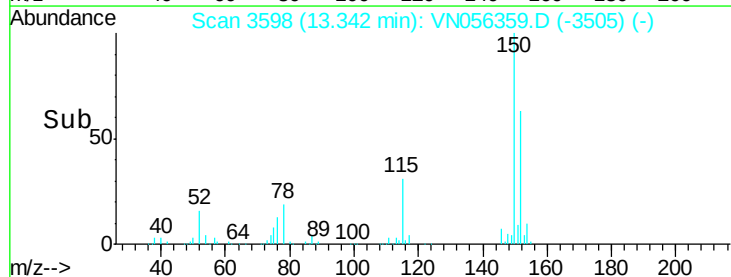
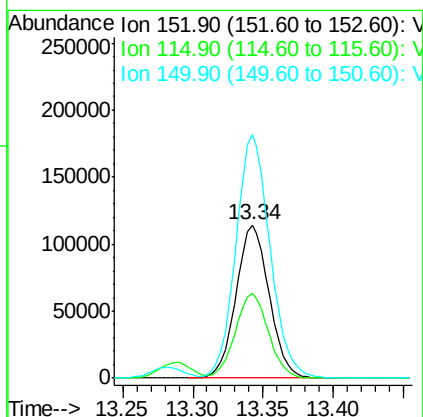
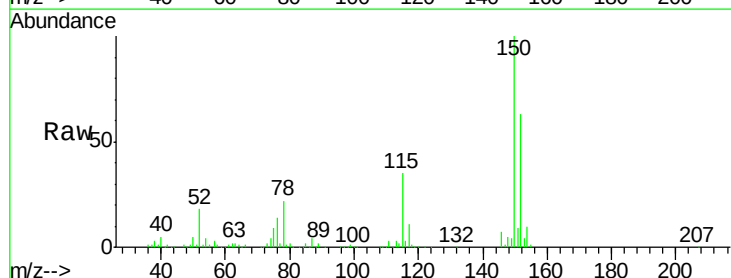
Manual Integrations
APPROVED

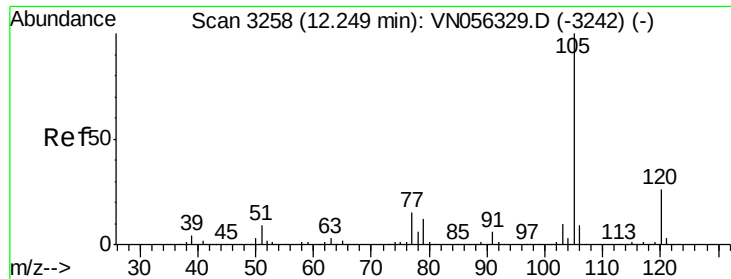
MMDadoda
6/19/2019 12:19:49 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.3
150	164.4	0.0	345.8





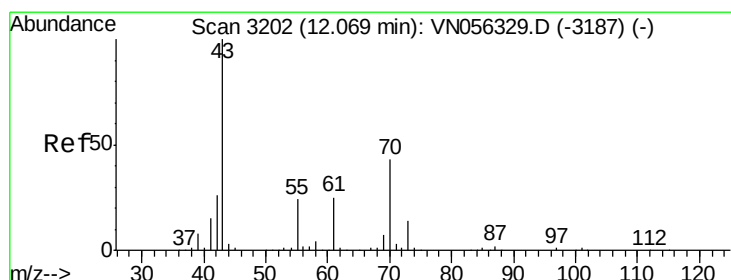
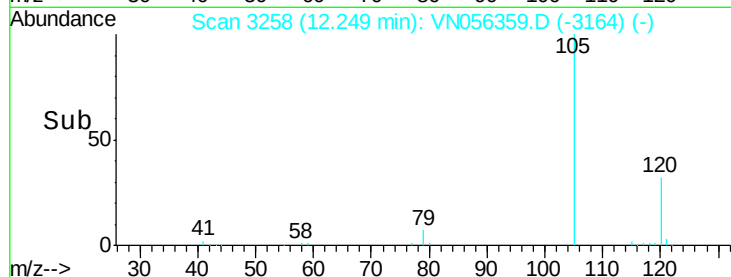
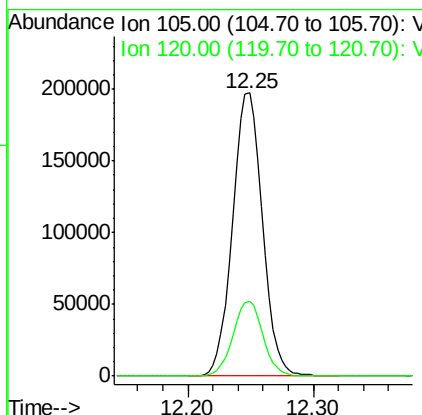
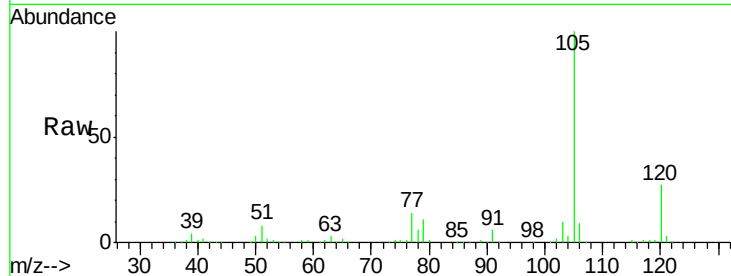
#73
Isopropylbenzene
Concen: 21.183 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion: 105 Resp: 326620
Ion Ratio Lower Upper
105 100
120 26.5 13.3 39.8

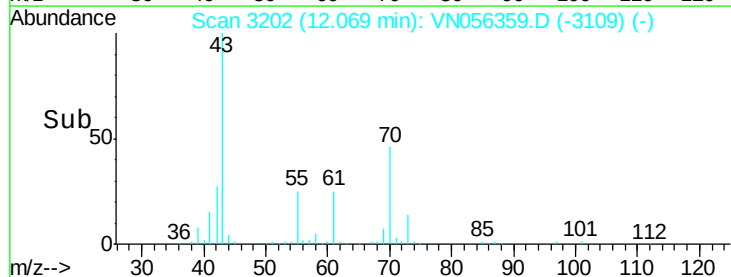
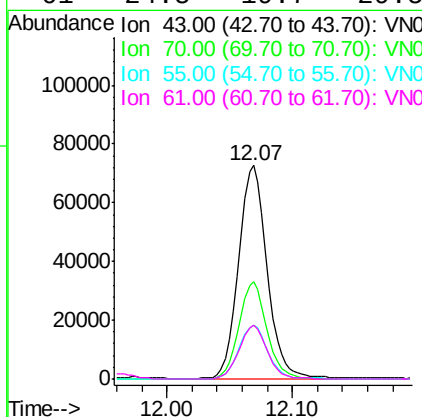
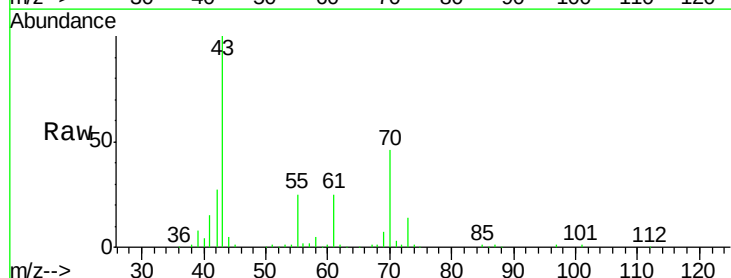
Manual Integrations
APPROVED

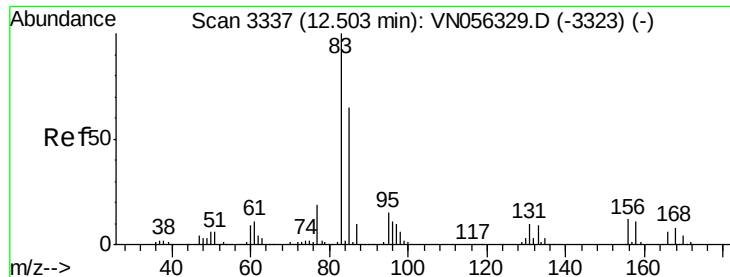
MMDadoda
6/19/2019 12:19:49 PM



#74
N-ethyl acetate
Concen: 19.623 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 43 Resp: 115908
Ion Ratio Lower Upper
43 100
70 44.2 34.2 51.2
55 25.7 19.9 29.9
61 24.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.807 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

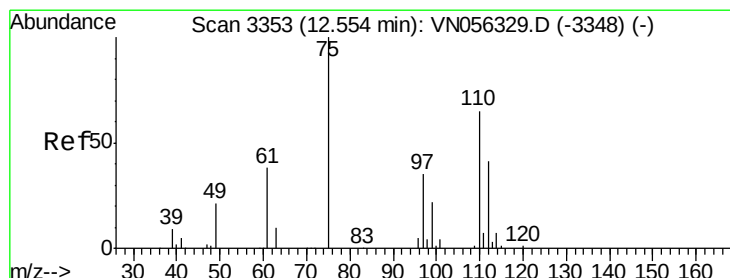
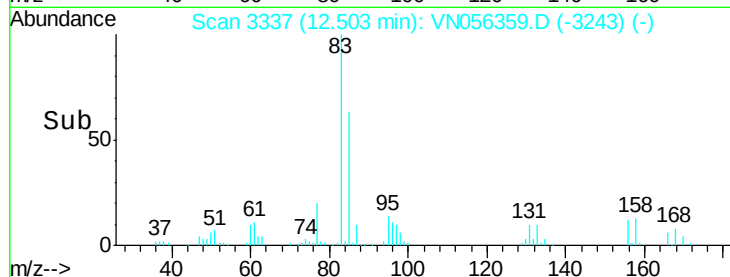
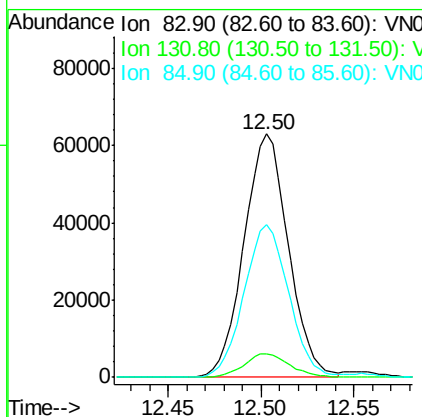
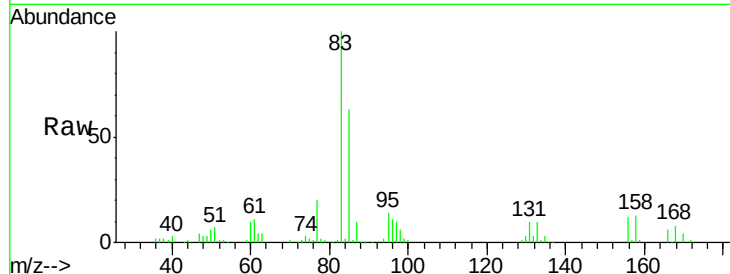
ClientSampleId :

VN0618WBSD02

Tot Ion:	83	Resp:	104792
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	15.8
85	63.1	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
6/19/2019 12:19:49 PM



#76

1,2,3-Trichloropropane

Concen: 22.080 ug/l m

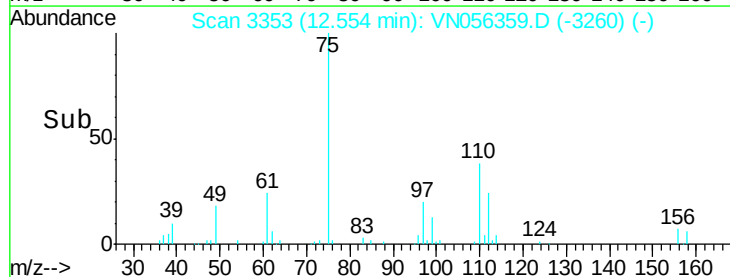
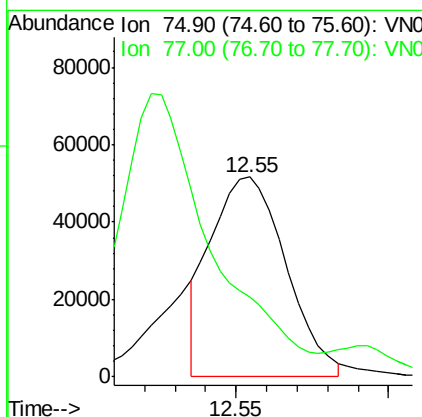
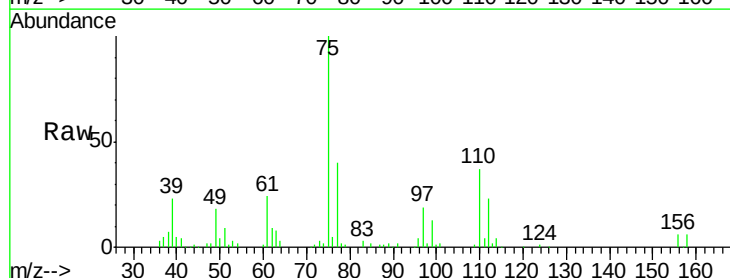
RT: 12.55 min Scan# 3353

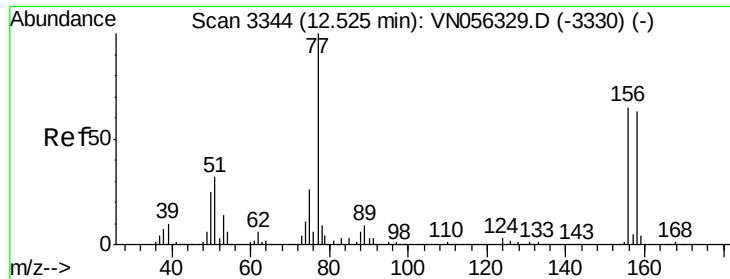
Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Tgt Ion:	75	Resp:	88673
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.666 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

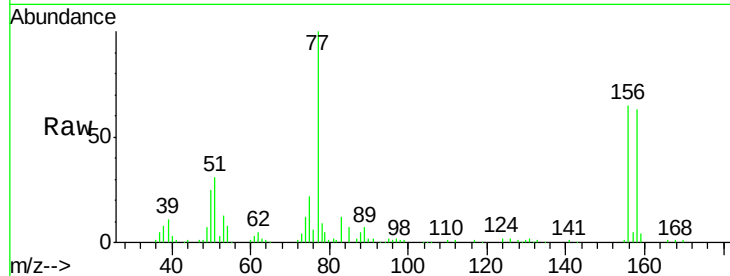
ClientSampleId :

VN0618WBSD02

Tot Ion:	156	Resp:	83915
Ion Ratio	Lower	Upper	
156	100		
77	185.1	92.9	278.7
158	99.2	49.0	147.2

Manual Integrations
APPROVED

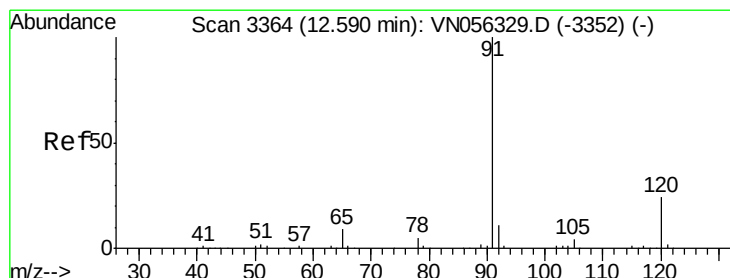
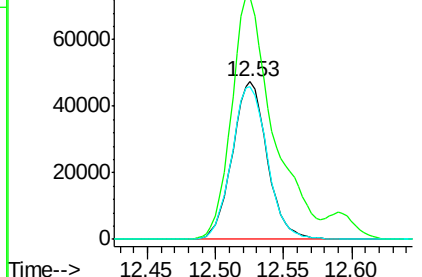
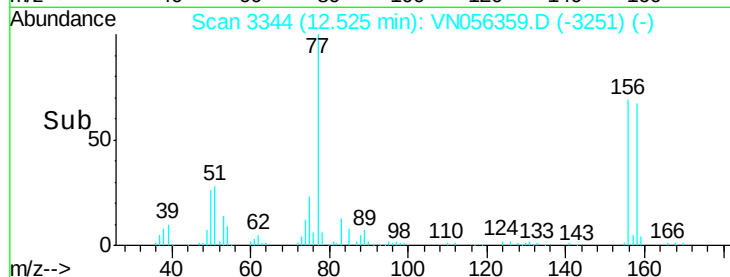
MMDadoda
6/19/2019 12:19:49 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.342 ug/l

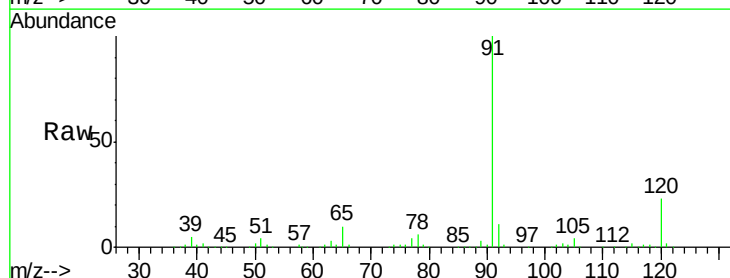
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056359.D

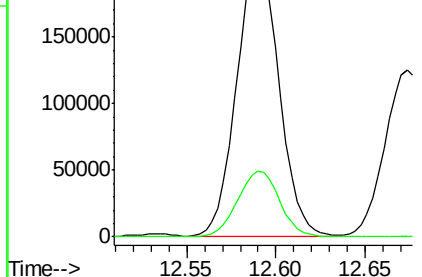
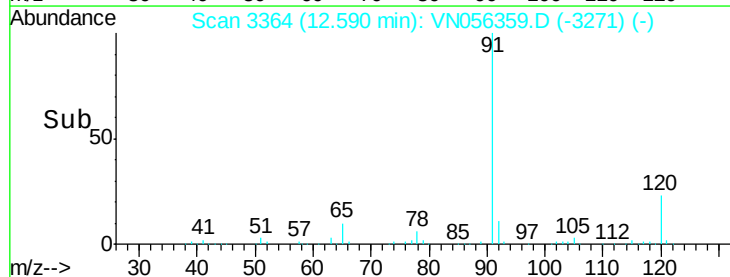
Acq: 18 Jun 2019 12:33

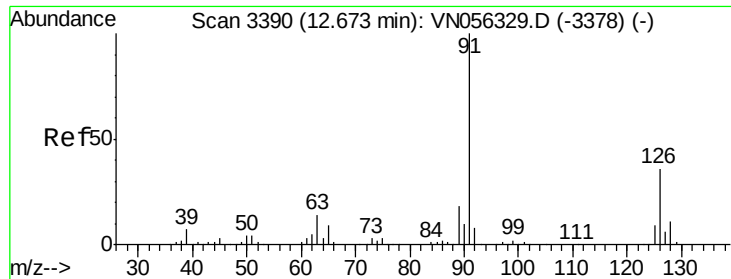
Tgt Ion:	91	Resp:	343203
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.999 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampled :

VN0618WBSD02

Tot Ion: 91 Resp: 214500

Ion Ratio Lower Upper

91 100

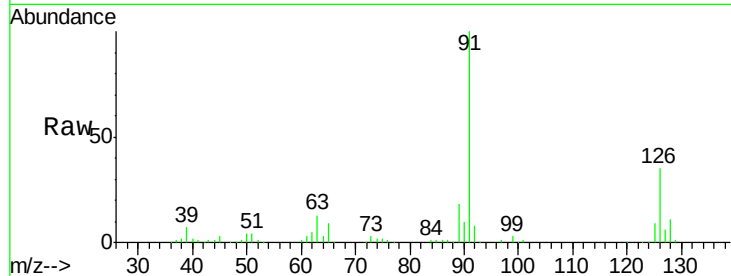
126 35.6 18.0 54.0

Manual Integrations

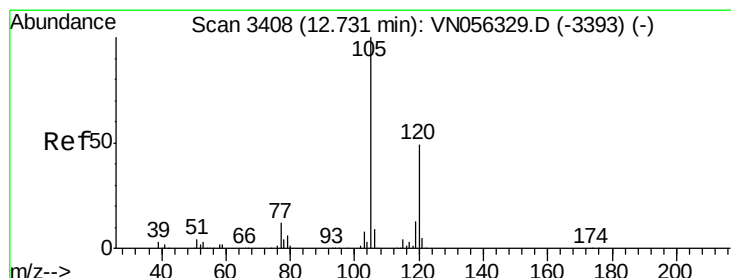
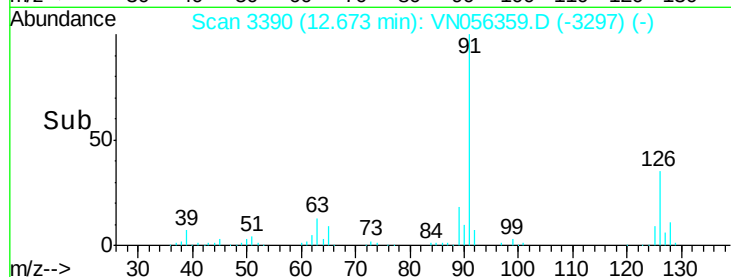
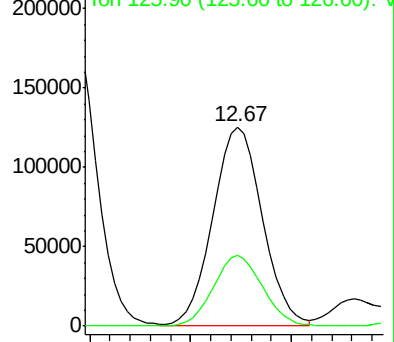
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Abundance Ion 91.00 (90.70 to 91.70): VN056329.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.187 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056359.D

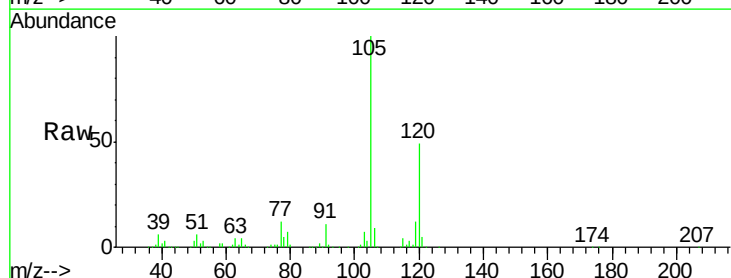
Acq: 18 Jun 2019 12:33

Tgt Ion: 105 Resp: 264714

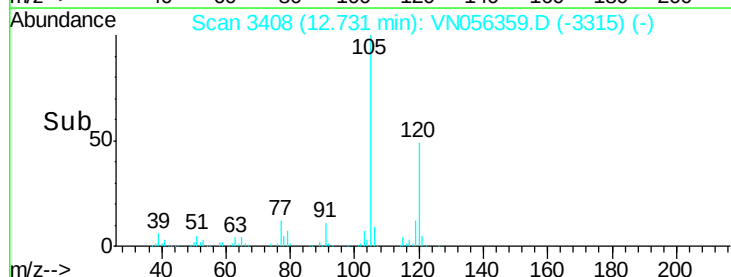
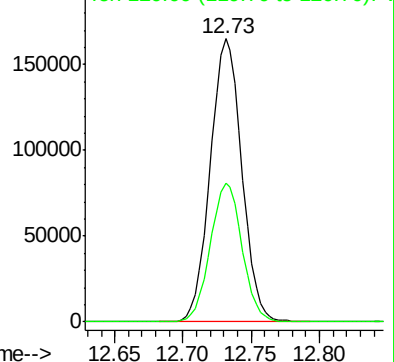
Ion Ratio Lower Upper

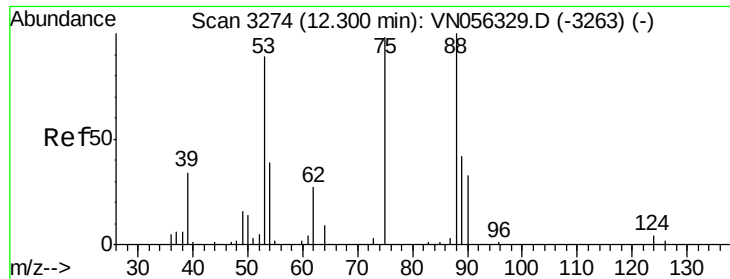
105 100

120 49.3 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VN056329.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 14.938 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 75 Resp: 19309

Ion Ratio Lower Upper

75 100

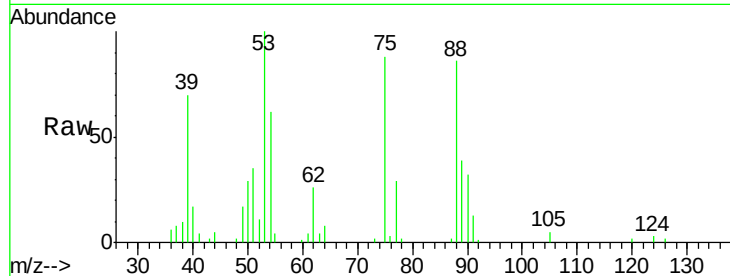
53 116.5 73.5 110.3#

89 43.8 35.4 53.2

Manual Integrations
APPROVED

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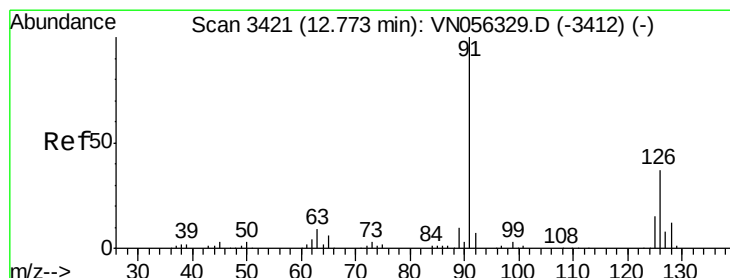
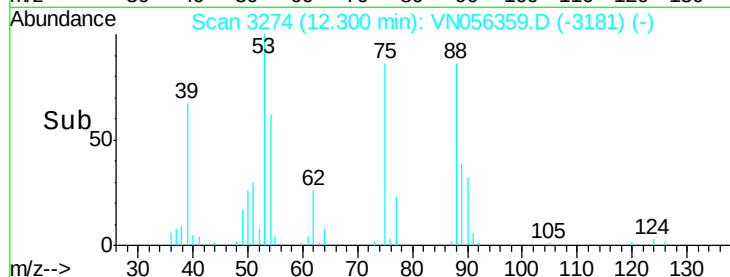
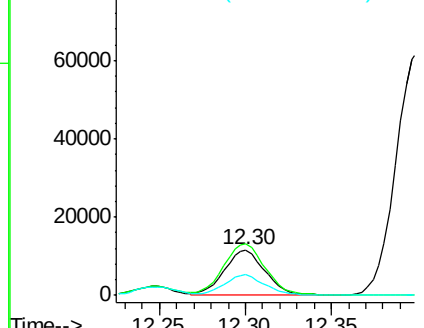
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Abundance Ion 74.90 (74.60 to 75.60): VN056329.D (-3263) (-)

Ion 53.00 (52.70 to 53.70): VN056329.D (-3263) (-)

Ion 88.90 (88.60 to 89.60): VN056329.D (-3263) (-)



#82

4-Chlorotoluene

Concen: 20.020 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056359.D

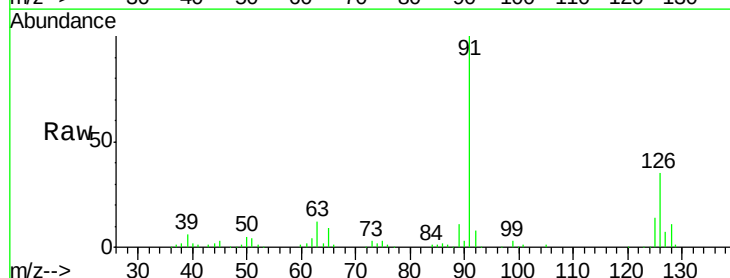
Acq: 18 Jun 2019 12:33

Tgt Ion: 91 Resp: 198280

Ion Ratio Lower Upper

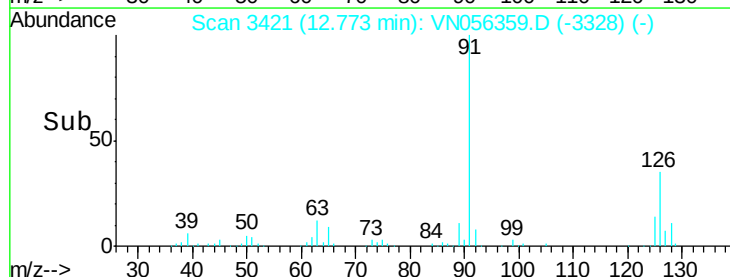
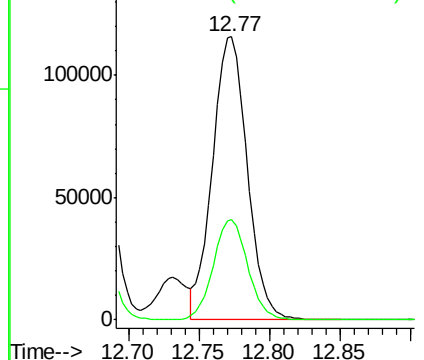
91 100

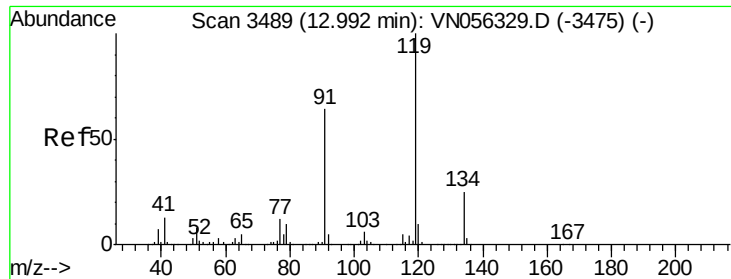
126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN056329.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN056329.D (-3412) (-)





#83

tert-Butylbenzene

Concen: 21.134 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

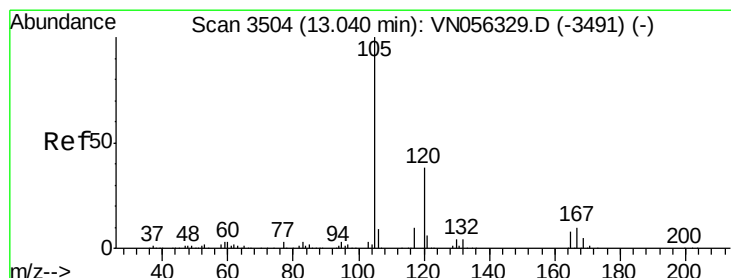
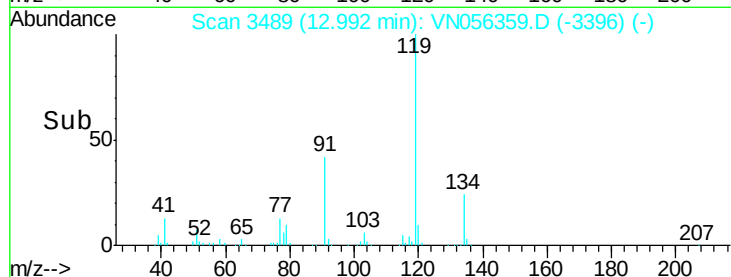
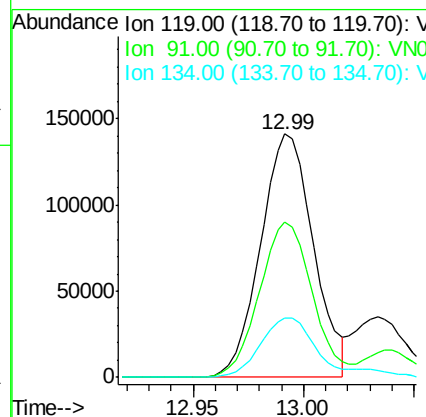
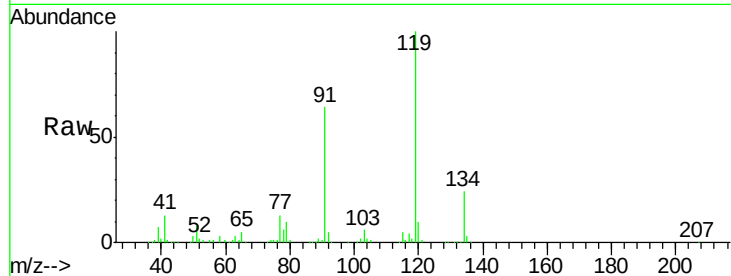
ClientSampled :

VN0618WBSD02

Tot Ion:	119	Resp:	234085
Ion Ratio	Lower	Upper	
119	100		
91	63.5	31.5	94.5
134	27.3	13.6	40.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.973 ug/l

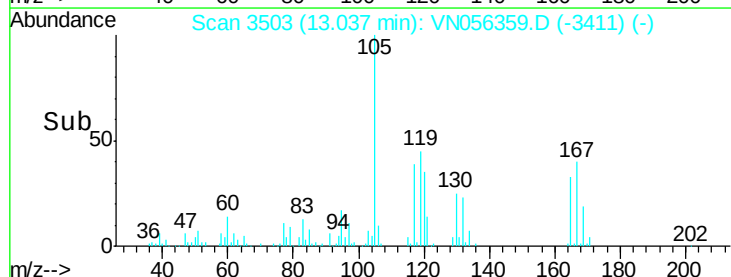
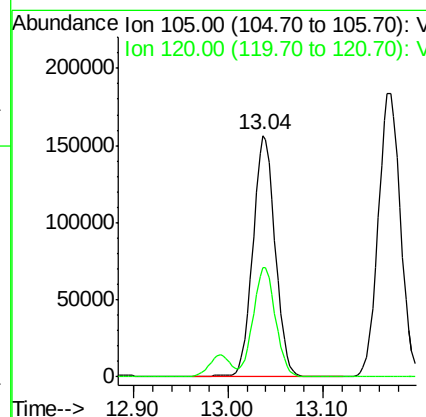
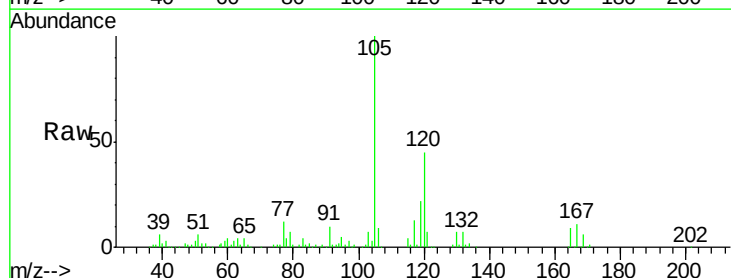
RT: 13.04 min Scan# 3503

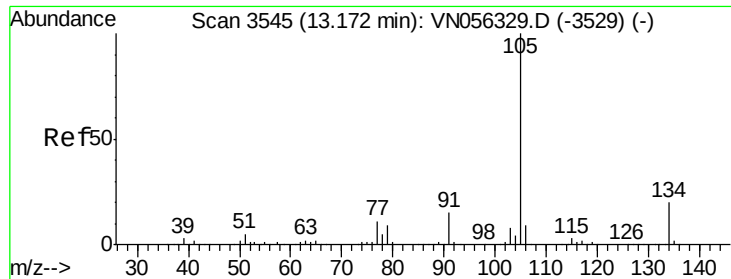
Delta R.T. -0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Tgt Ion:	105	Resp:	256104
Ion Ratio	Lower	Upper	
105	100		
120	45.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 20.235 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampled :

VN0618WBSD02

Tot Ion:105 Resp: 299439

Ion Ratio Lower Upper

105 100

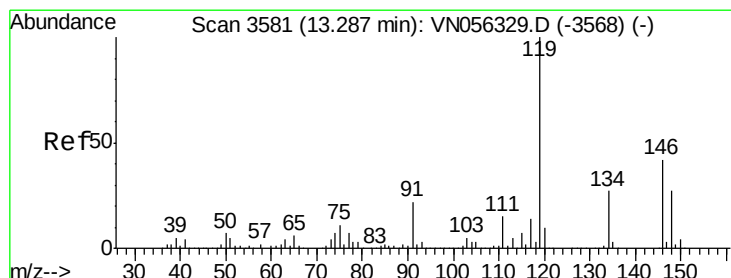
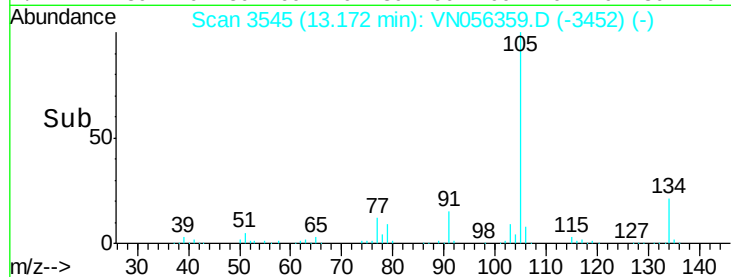
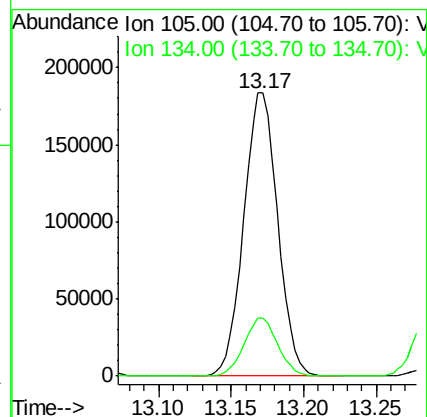
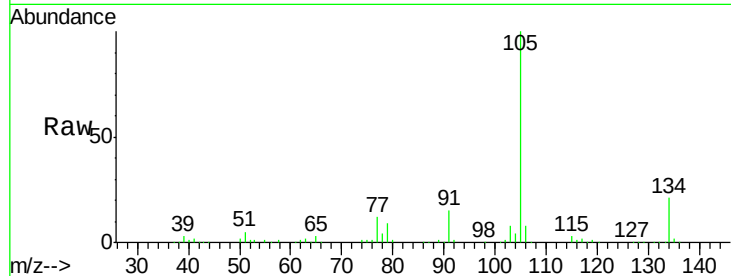
134 20.3 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.294 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

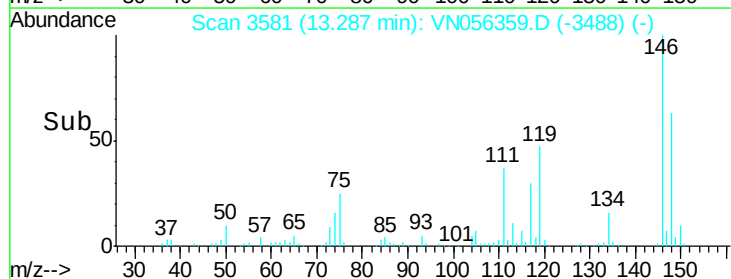
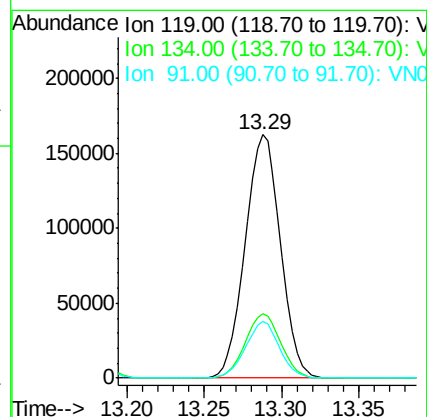
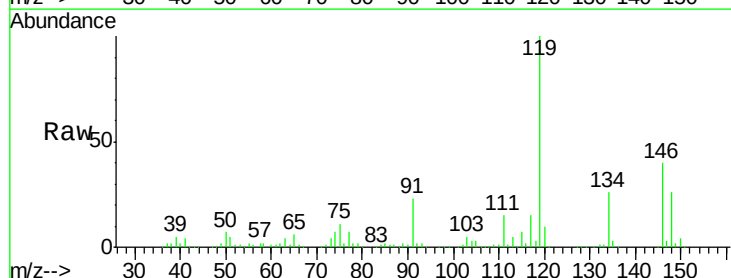
Tgt Ion:119 Resp: 257058

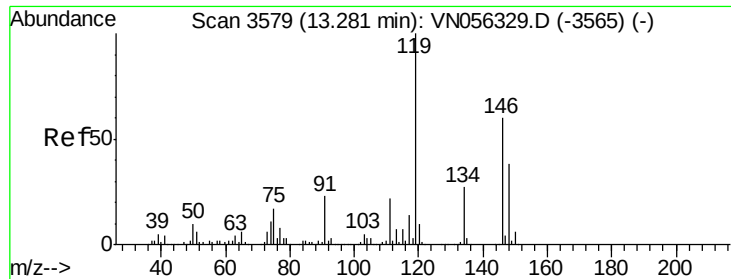
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.4 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 19.882 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

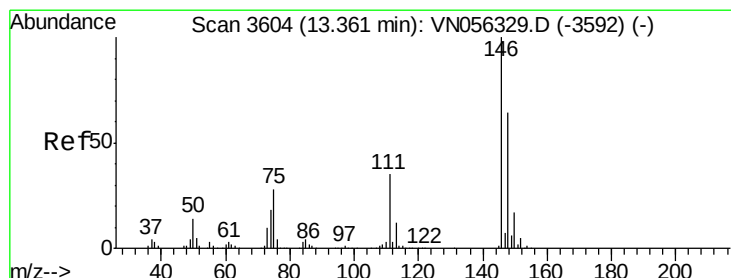
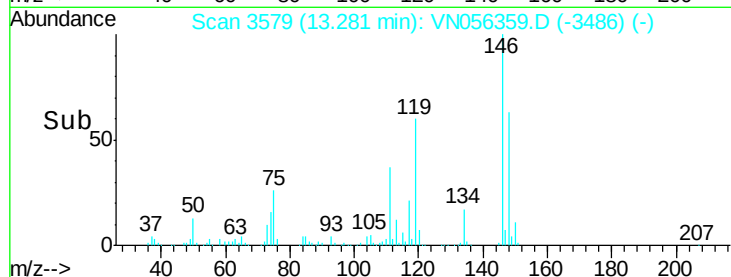
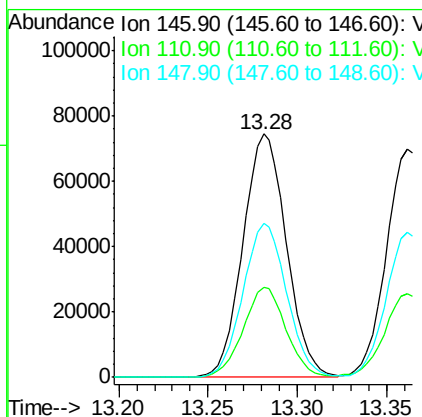
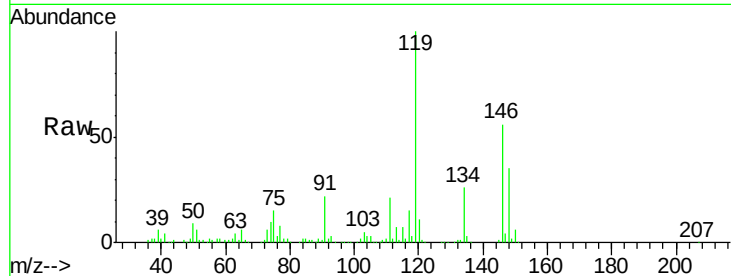
ClientSampleId :

VN0618WBSD02

Tot Ion:	146	Resp:	127200
Ion Ratio	Lower	Upper	
146	100		
111	36.5	18.9	56.7
148	63.6	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.621 ug/l

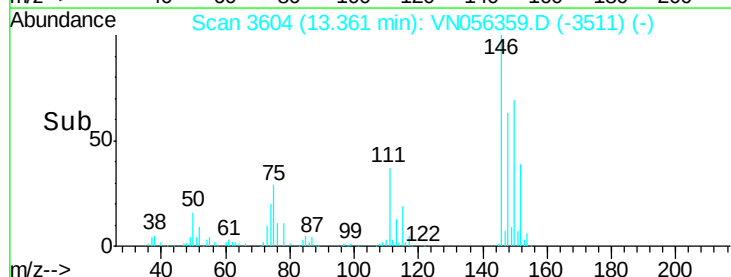
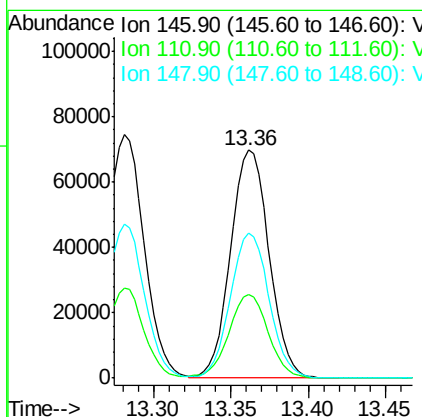
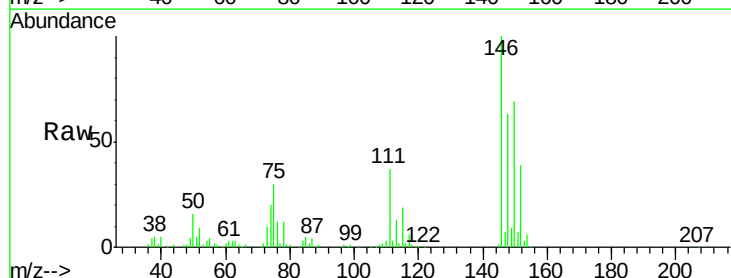
RT: 13.36 min Scan# 3604

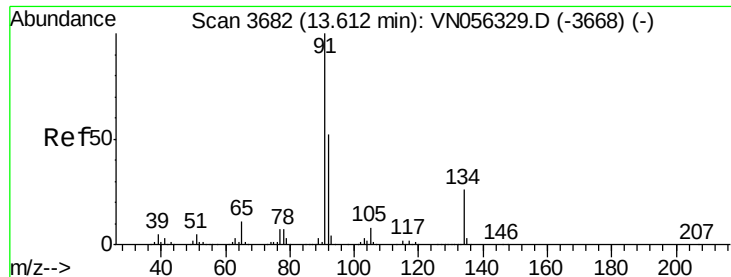
Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Tgt Ion:	146	Resp:	120620
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.1	54.1
148	64.1	32.1	96.5





#89

n-Butylbenzene

Concen: 18.969 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

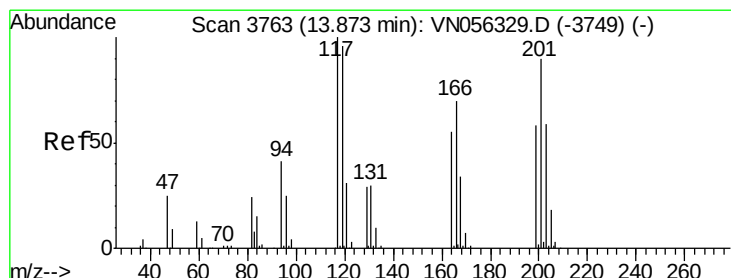
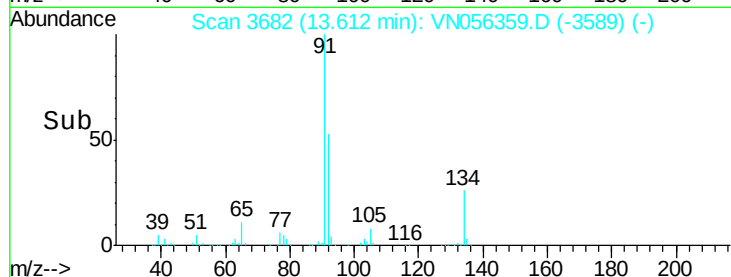
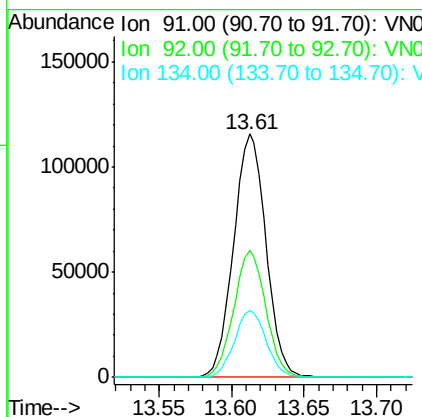
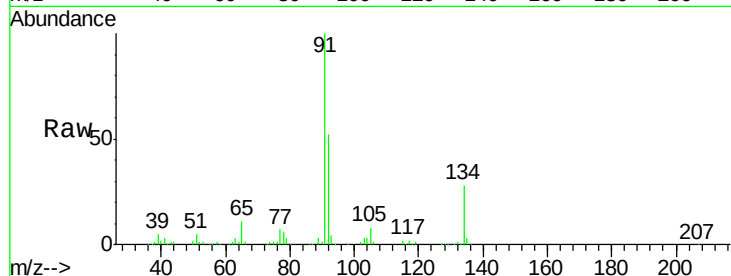
ClientSampleId :

VN0618WBSD02

Tot Ion:	91	Resp:	179639
Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.0	78.0
134	27.0	13.2	39.5

Manual Integrations
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#90

Hexachloroethane

Concen: 15.925 ug/l

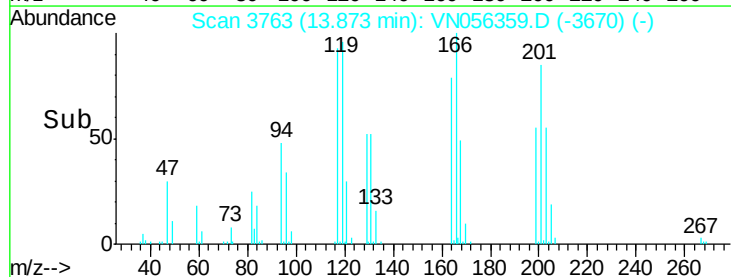
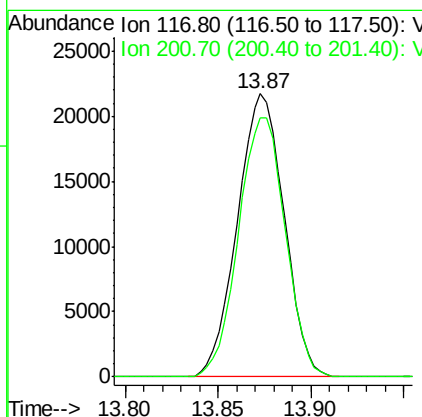
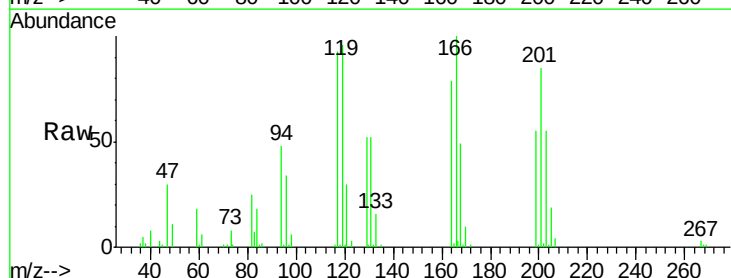
RT: 13.87 min Scan# 3763

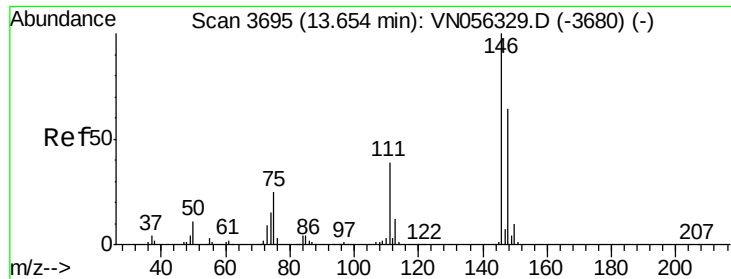
Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Tgt Ion:	117	Resp:	37912
Ion	Ratio	Lower	Upper
117	100		
201	91.9	45.8	137.3





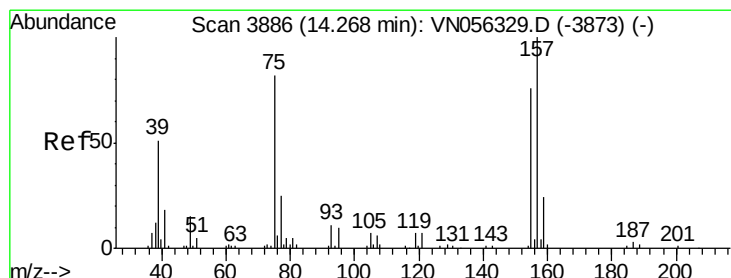
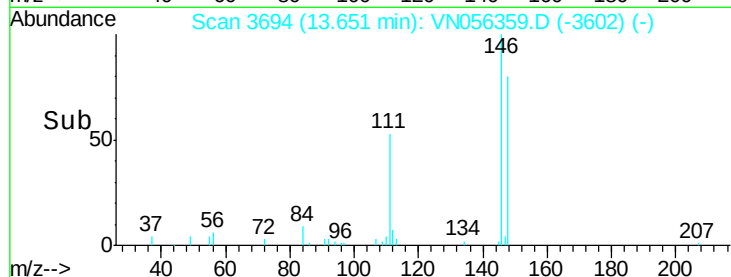
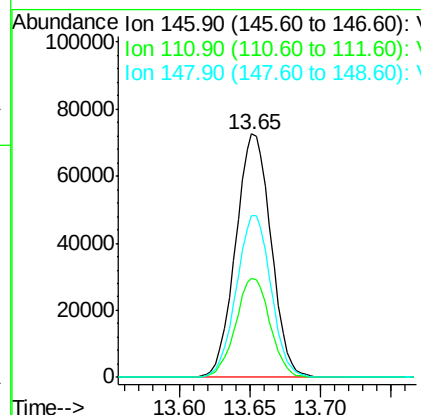
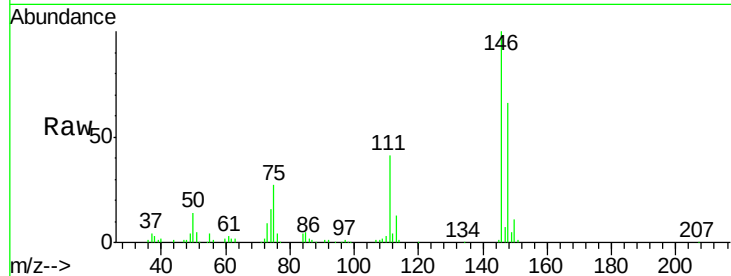
#91
 1,2-Dichlorobenzene
 Concen: 20.328 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.2
148	65.1	32.4	97.2

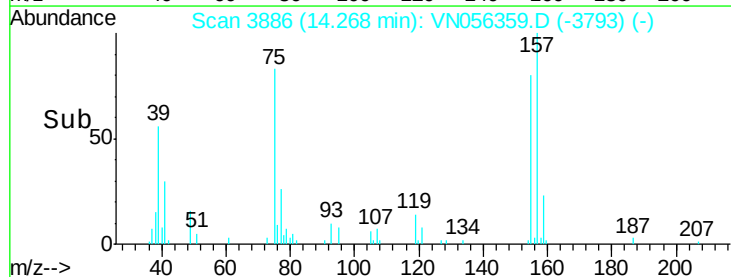
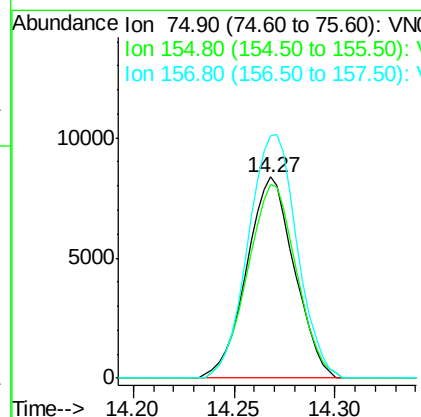
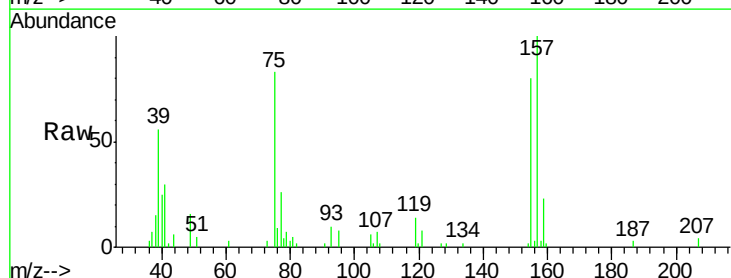
Manual Integrations
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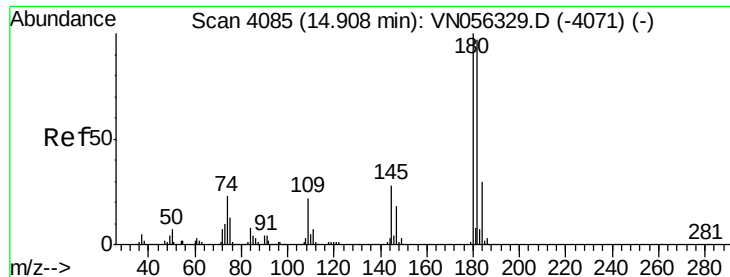
MMDadoda
 6/19/2019 12:19:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.097 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	47.8	143.4
157	123.9	62.8	188.5





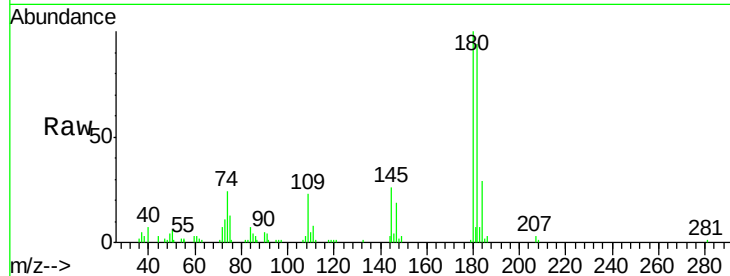
#93
 1,2,4-Trichlorobenzene
 Concen: 18.021 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampled :
 VN0618WBSD02

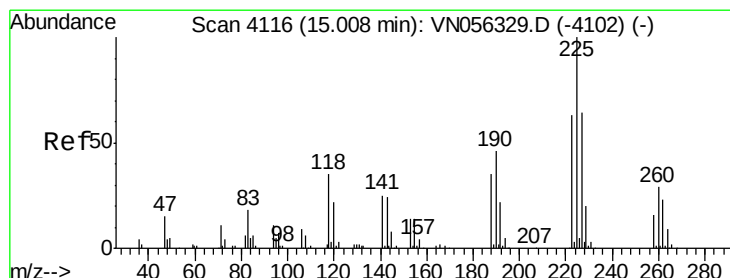
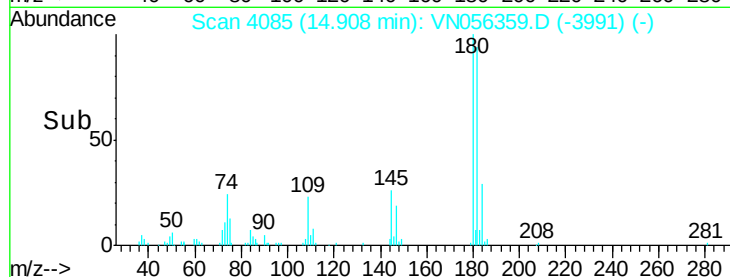
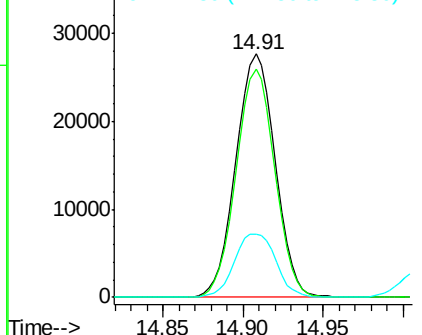
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.4	142.3
145	27.3	14.0	41.9

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 12:19:49 PM

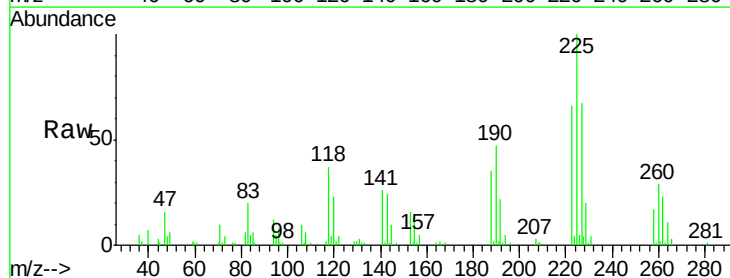


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

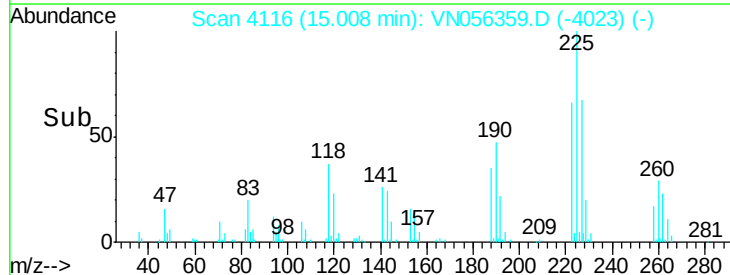
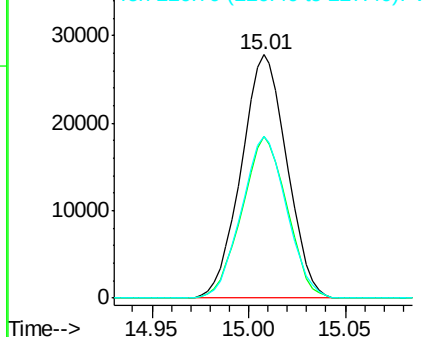


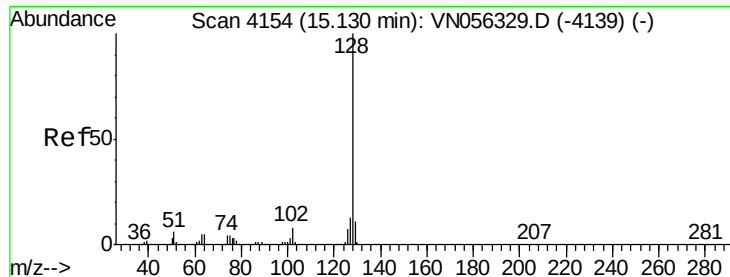
#94
 Hexachlorobutadiene
 Concen: 19.858 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.2	93.6
227	65.6	31.7	95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.030 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

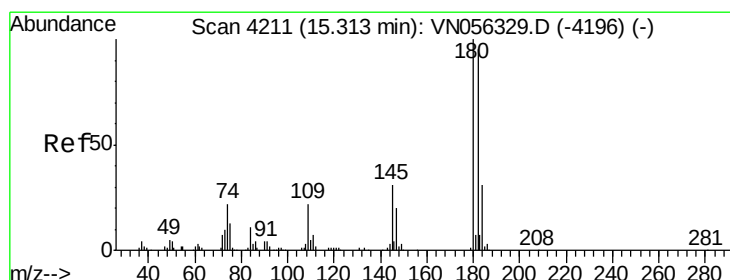
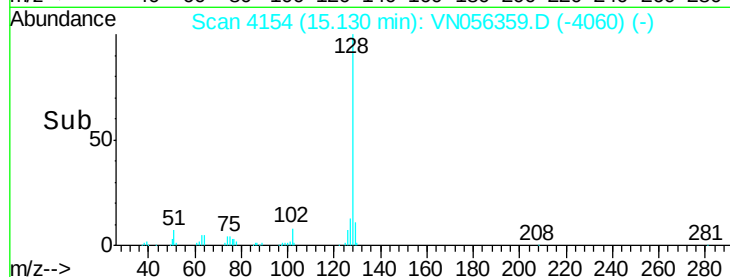
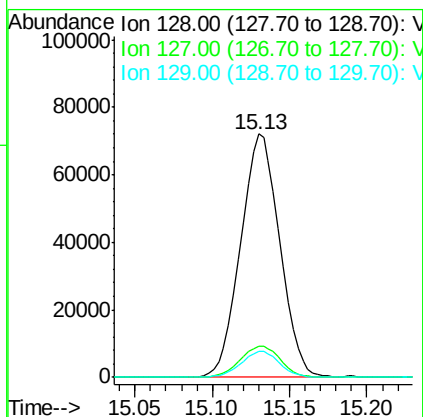
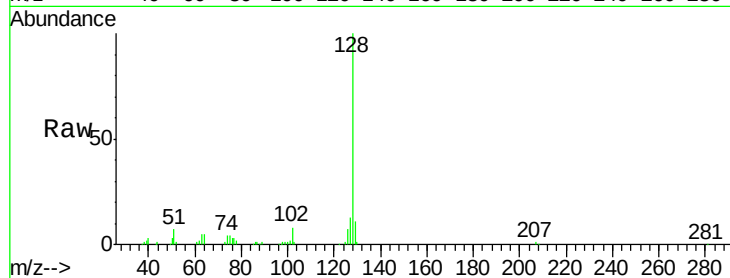
ClientSampleId :

VN0618WBSD02

Tot Ion:	128	Resp:	126785
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/19/2019 12:19:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.367 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Tgt Ion:	180	Resp:	53755
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.1	141.4
145	30.4	14.9	44.9

