

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056037.D
 Acq On : 6 Jun 2019 11:34
 Operator : JC/SP
 Sample : VN0607WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 9:36:55 AM

Quant Time: Jun 06 18:48:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	312183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	460212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	405605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162440	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	158893	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
35) Dibromofluoromethane	7.59	113	145195	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
50) Toluene-d8	10.09	98	553545	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.40	95	179200	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	68708	20.246	ug/l	97
3) Chloromethane	2.06	50	73603	21.750	ug/l	97
4) Vinyl Chloride	2.18	62	74216	21.863	ug/l	100
5) Bromomethane	2.54	94	48298	22.524	ug/l	97
6) Chloroethane	2.69	64	42824	21.759	ug/l	97
7) Trichlorofluoromethane	3.01	101	88880	20.510	ug/l	96
8) Diethyl Ether	3.40	74	37016	20.771	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55347	21.025	ug/l	99
10) Methyl Iodide	3.94	142	82377	19.692	ug/l	98
11) Tert butyl alcohol	4.81	59	66083m	122.508	ug/l	
12) 1,1-Dichloroethene	3.72	96	55014	20.992	ug/l	96
13) Acrolein	3.60	56	11945	76.781	ug/l	96
14) Allyl chloride	4.31	41	85699	20.709	ug/l	98
15) Acrylonitrile	4.99	53	152489	116.129	ug/l	99
16) Acetone	3.82	43	147974	99.814	ug/l	99
17) Carbon Disulfide	4.04	76	115954	18.479	ug/l	100
18) Methyl Acetate	4.33	43	69107	23.424	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	178148	21.326	ug/l	100
20) Methylene Chloride	4.54	84	64208	21.022	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	58369	20.787	ug/l	97
22) Diisopropyl ether	5.96	45	181494	21.216	ug/l	98
23) Vinyl Acetate	5.90	43	730527	108.441	ug/l	99
24) 1,1-Dichloroethane	5.84	63	104555	21.189	ug/l	99
25) 2-Butanone	6.84	43	211553	112.943	ug/l	100
26) 2,2-Dichloropropane	6.82	77	73884	19.188	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	68930	20.883	ug/l	98
28) Bromochloromethane	7.19	49	51749	22.176	ug/l	99
29) Tetrahydrofuran	7.22	42	134512	116.176	ug/l	100
30) Chloroform	7.37	83	105468	21.247	ug/l	96
31) Cyclohexane	7.65	56	100261	20.384	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	85534	20.634	ug/l	99
36) 1,1-Dichloropropene	7.79	75	77556	19.599	ug/l	99
37) Ethyl Acetate	6.93	43	80945	22.990	ug/l	100
38) Carbon Tetrachloride	7.77	117	69835	19.142	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	95703	19.414	ug/l	99
40) Benzene	8.04	78	250678	20.857	ug/l	99
41) Methacrylonitrile	7.17	41	33201	20.495	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	79989	20.690	ug/l	100
43) Isopropyl Acetate	8.17	43	121578	21.309	ug/l #	92
44) Trichloroethene	8.83	130	69519	20.129	ug/l	99
45) 1,2-Dichloropropane	9.12	63	64148	20.837	ug/l	99
46) Dibromomethane	9.21	93	42213	20.969	ug/l	99
47) Bromodichloromethane	9.40	83	73760	20.216	ug/l	100
48) Methyl methacrylate	9.20	41	58614	20.999	ug/l	98
49) 1,4-Dioxane	9.21	88	26842	445.427	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	390451	109.432	ug/l	99
52) Toluene	10.15	92	156483	20.923	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	72214	18.470	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	89066	20.308	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	62622	21.138	ug/l	98
56) Ethyl methacrylate	10.43	69	90547	20.950	ug/l	99
57) 1,3-Dichloropropane	10.71	76	103761	21.545	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	153035	98.868	ug/l	99
59) 2-Hexanone	10.75	43	278160	107.564	ug/l	99
60) Dibromochloromethane	10.90	129	56677	18.948	ug/l	100
61) 1,2-Dibromoethane	11.00	107	64456	21.283	ug/l	98
64) Tetrachloroethene	10.63	164	70577	20.102	ug/l	99
65) Chlorobenzene	11.43	112	165686	20.525	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	57150	20.504	ug/l	99
67) Ethyl Benzene	11.51	91	289632	20.634	ug/l	99
68) m/p-Xylenes	11.62	106	218443	40.738	ug/l	100
69) o-Xylene	11.95	106	110853	21.017	ug/l	97
70) Styrene	11.96	104	174266	20.794	ug/l	99
71) Bromoform	12.13	173	38569	18.320	ug/l #	100
73) Isopropylbenzene	12.25	105	287662	23.564	ug/l	100
74) N-amyl acetate	12.07	43	95920	22.152	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	86911	23.048	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	70534m	23.598	ug/l	
77) Bromobenzene	12.53	156	74840	21.519	ug/l	98
78) n-propylbenzene	12.59	91	293767	21.377	ug/l	100
79) 2-Chlorotoluene	12.67	91	184453	22.942	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	232680	21.304	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17902	19.946	ug/l #	83
82) 4-Chlorotoluene	12.77	91	171474	21.328	ug/l	100
83) tert-Butylbenzene	12.99	119	207231	22.980	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	223073	21.538	ug/l	98
85) sec-Butylbenzene	13.17	105	263256	21.631	ug/l	100
86) p-Isopropyltoluene	13.29	119	231723	21.275	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	113546	21.095	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	105291	20.335	ug/l	98
89) n-Butylbenzene	13.61	91	163732	20.293	ug/l	99
90) Hexachloroethane	13.87	117	32136	19.564	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	116870	21.506	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12178	22.579	ug/l	99

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QLast Update : Tue Jun 04 11:02:09 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45238	18.086	ug/l	98
94) Hexachlorobutadiene	15.01	225	42141	21.417	ug/l	98
95) Naphthalene	15.13	128	124521	18.644	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	51909	19.009	ug/l	99

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

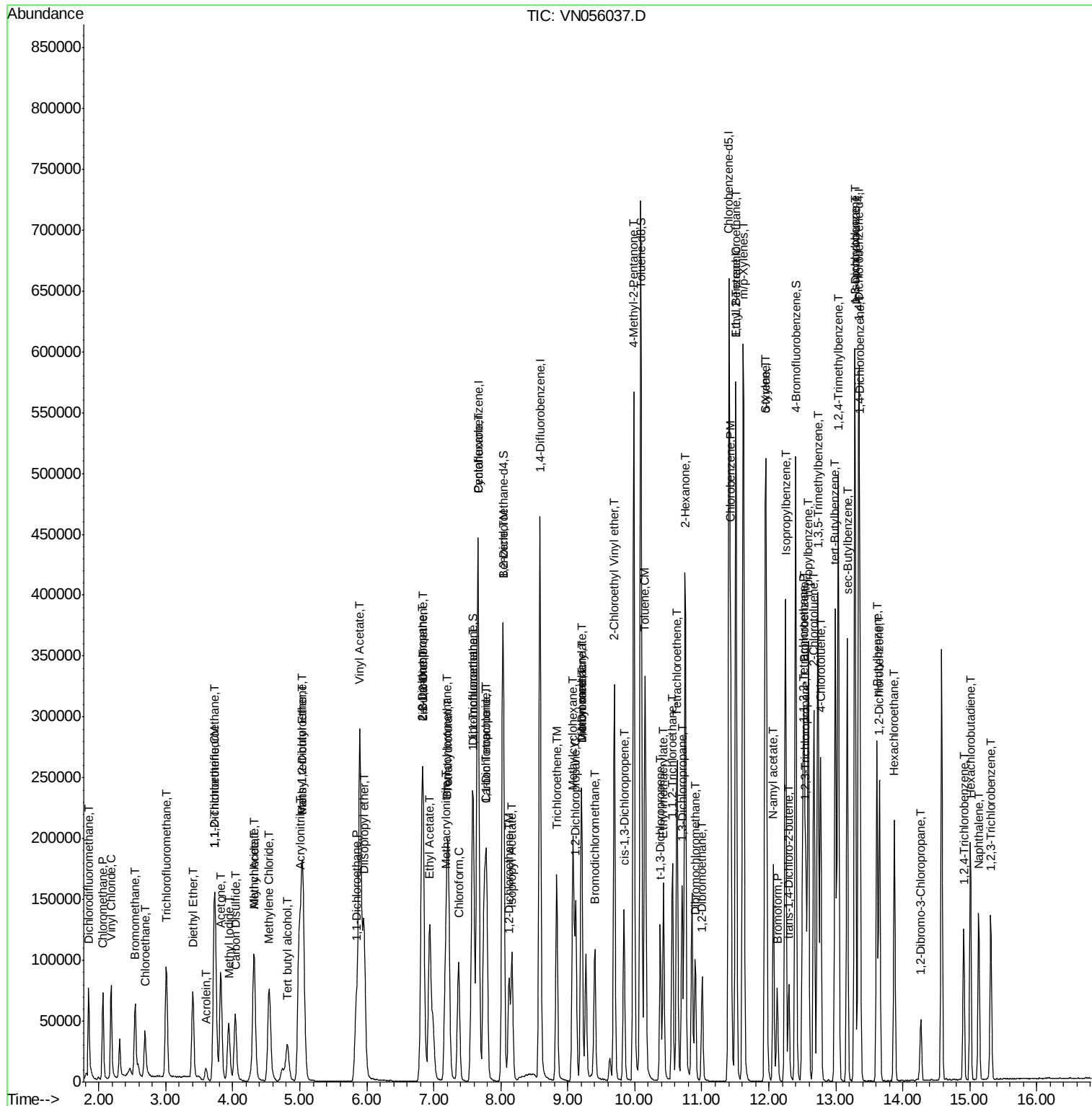
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Data File : VN056037.D
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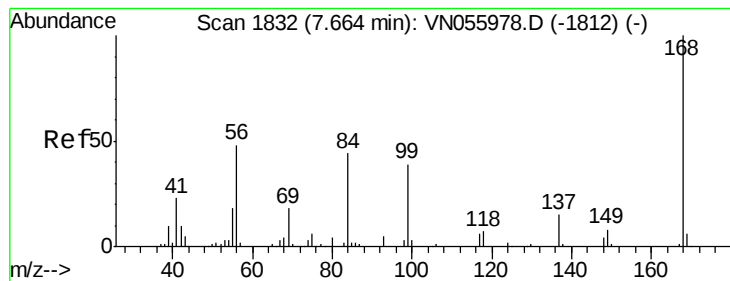
Instrument :
MSVOA_N
Client Sampled :
VN0607WBS01

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS01

Tot Ion:168 Resp: 312183

Ion Ratio Lower Upper

168 100

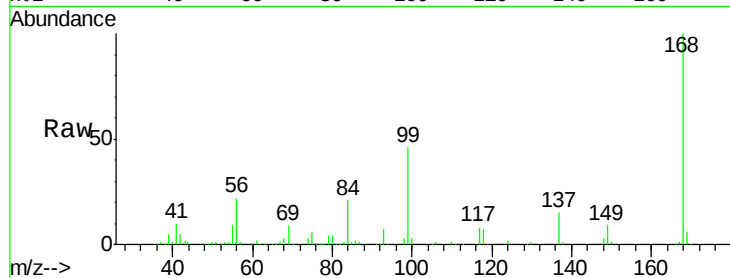
99 45.8 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

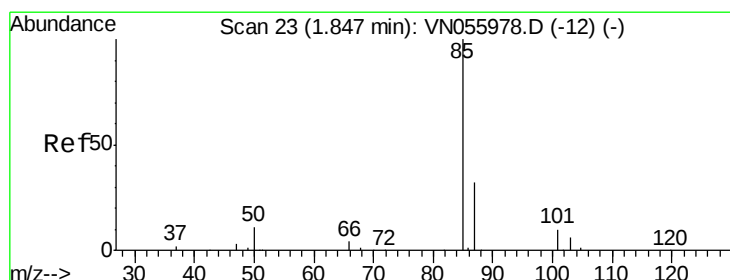
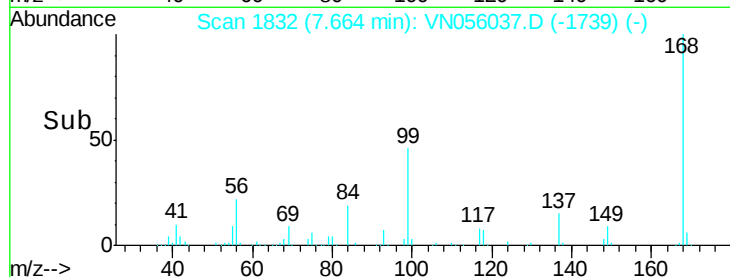
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50000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 20.246 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056037.D

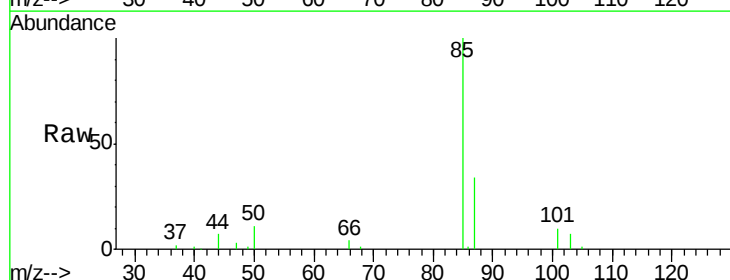
Acq: 6 Jun 2019 11:34

Tgt Ion: 85 Resp: 68708

Ion Ratio Lower Upper

85 100

87 33.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

50000

40000

30000

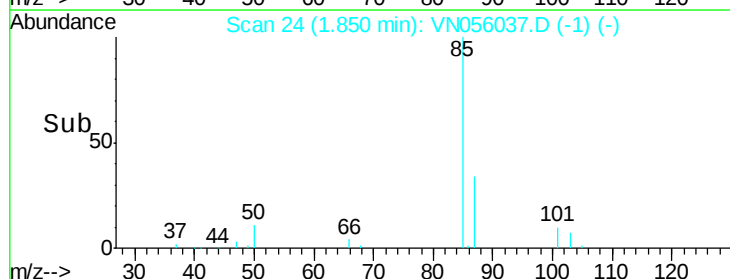
20000

10000

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Time-->

1.80 1.90 2.00





#3

Chloromethane

Concen: 21.750 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

ClientSampled :

VN0607WBS01

Tot Ion: 50 Resp: 73603

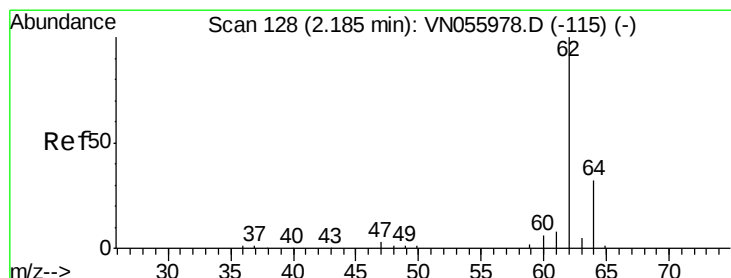
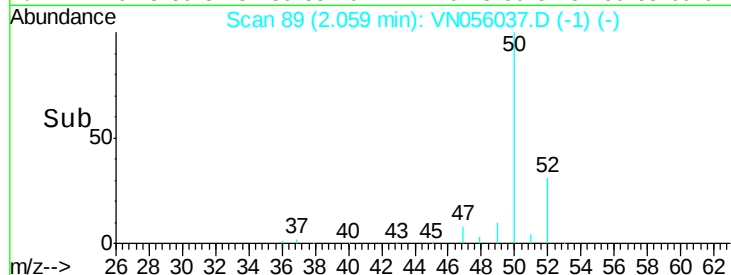
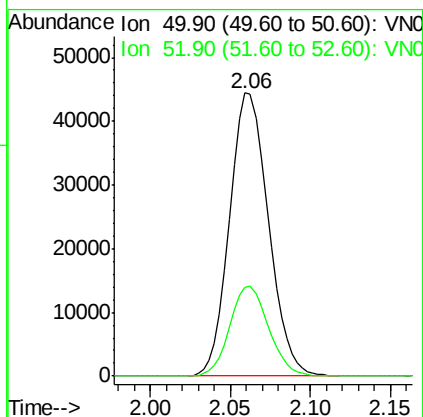
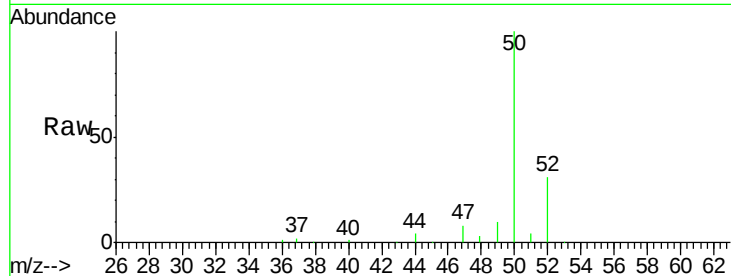
Ion Ratio Lower Upper

50 100

52 31.4 26.6 40.0

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#4

Vinyl Chloride

Concen: 21.863 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056037.D

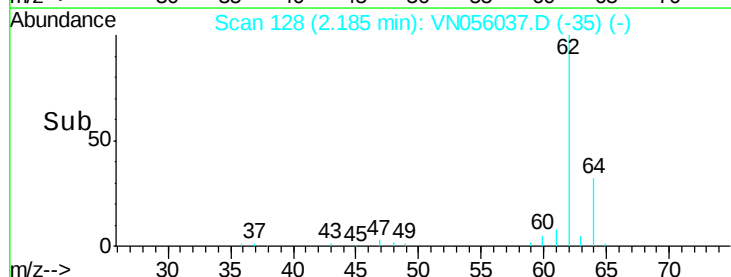
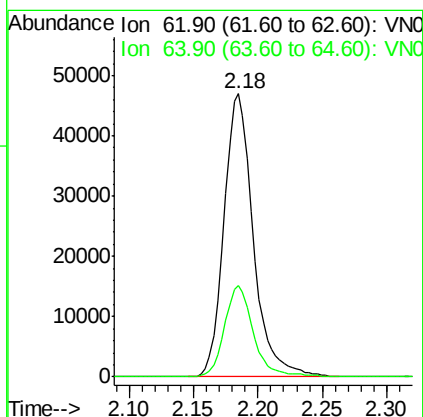
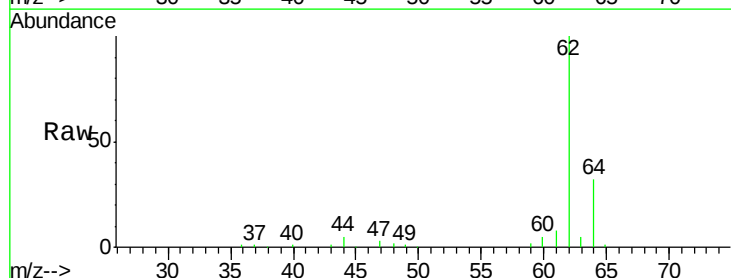
Acq: 6 Jun 2019 11:34

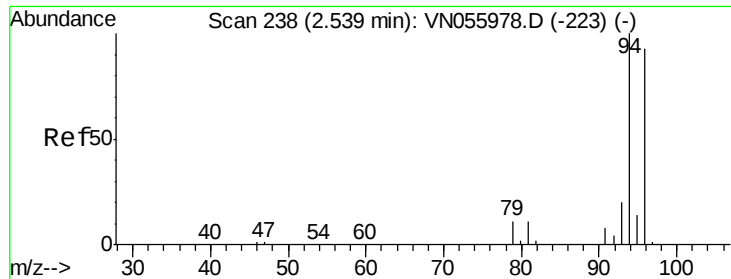
Tgt Ion: 62 Resp: 74216

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4





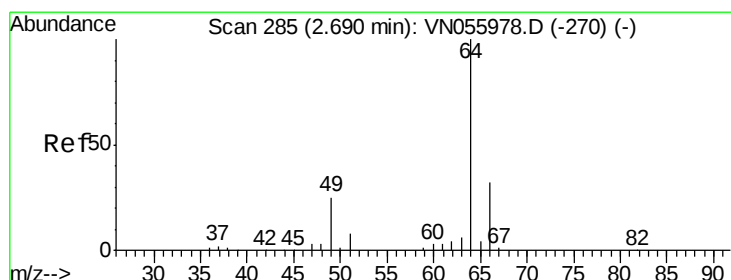
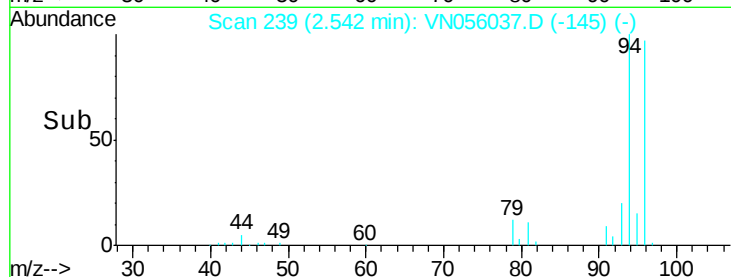
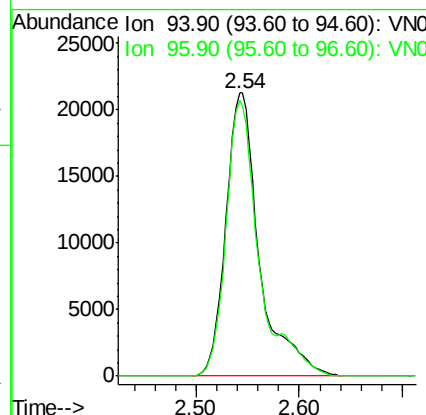
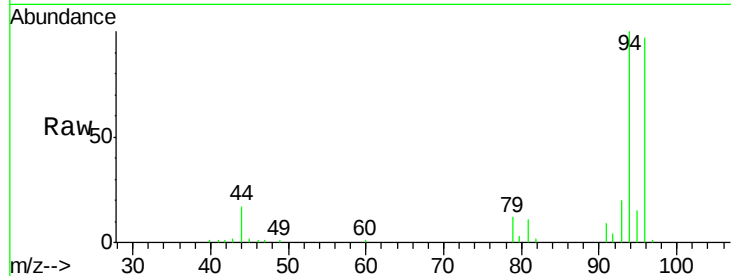
#5
Bromomethane
Concen: 22.524 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
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Tot Ion: 94 Resp: 48298
Ion Ratio Lower Upper
94 100
96 97.2 75.5 113.3

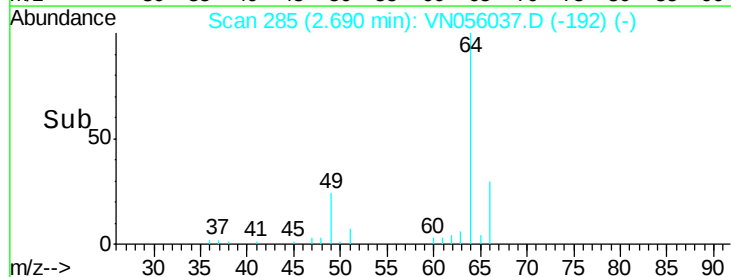
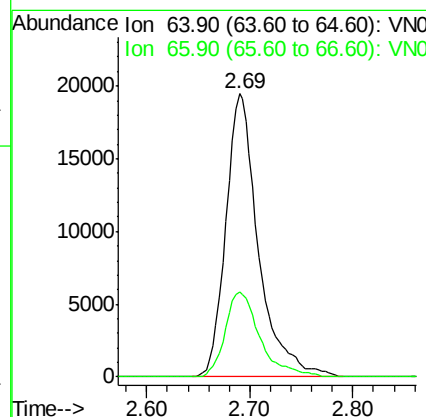
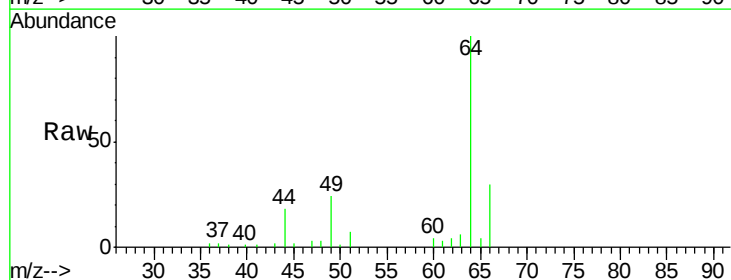
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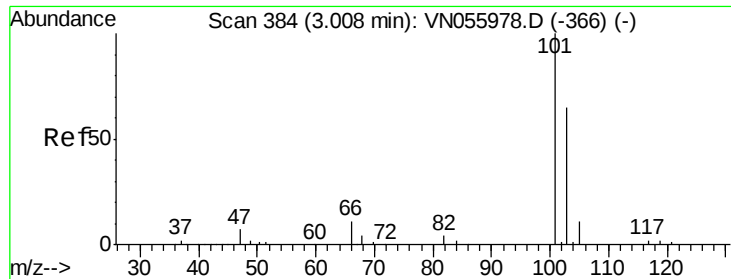
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6/7/2019 9:36:55 AM



#6
Chloroethane
Concen: 21.759 ug/l
RT: 2.69 min Scan# 285
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion: 64 Resp: 42824
Ion Ratio Lower Upper
64 100
66 29.8 25.4 38.0





#7

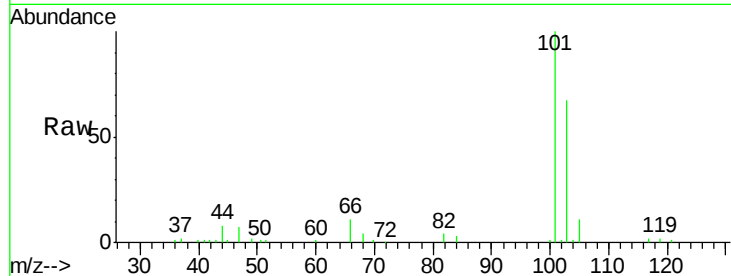
Trichlorofluoromethane
Concen: 20.510 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
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VN0607WBS01

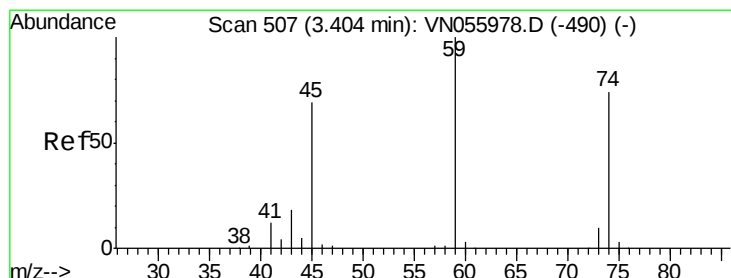
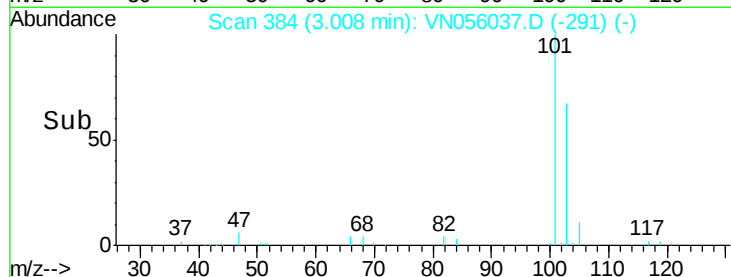
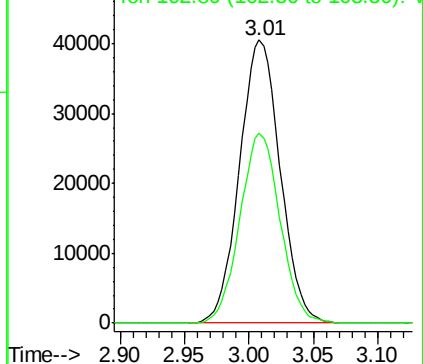
Tot Ion:101 Resp: 88880
Ion Ratio Lower Upper
101 100
103 67.1 51.2 76.8

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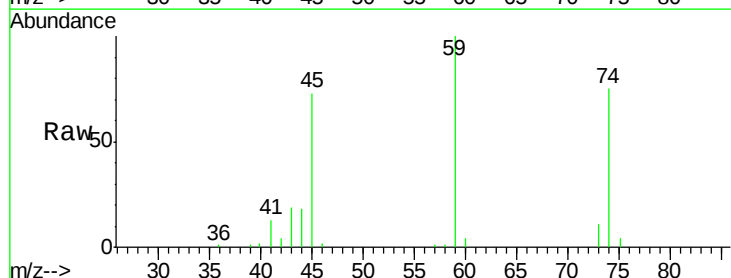
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



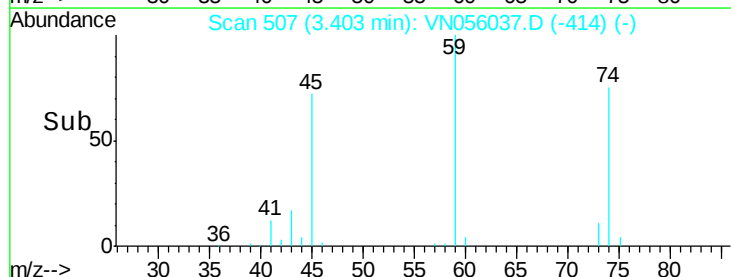
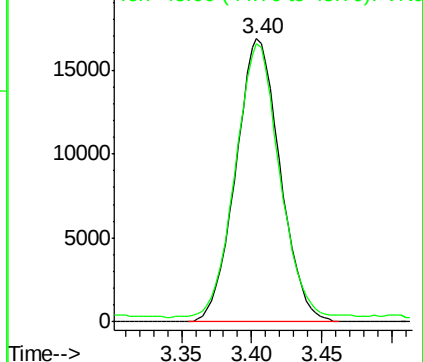
#8

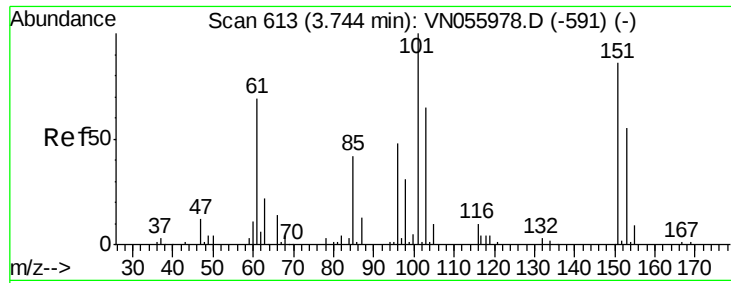
Diethyl Ether
Concen: 20.771 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion: 74 Resp: 37016
Ion Ratio Lower Upper
74 100
45 95.2 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.025 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

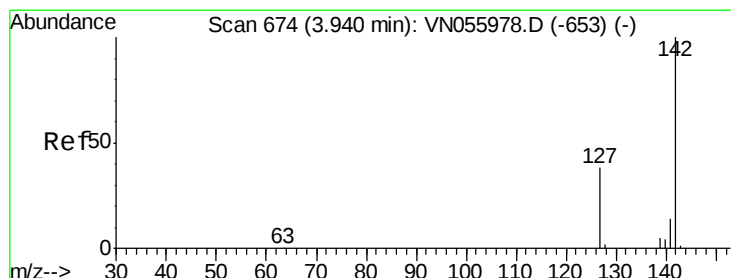
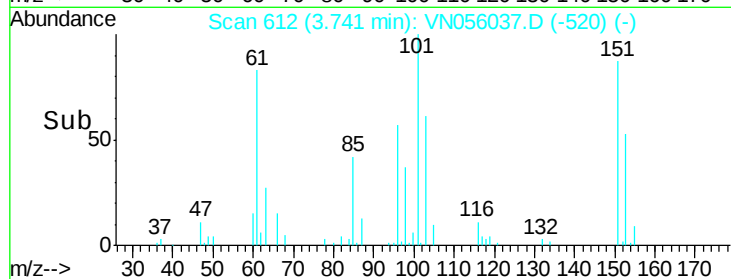
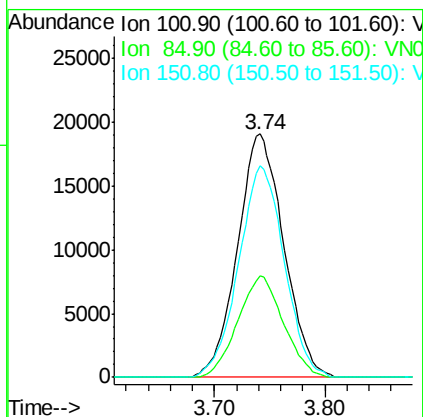
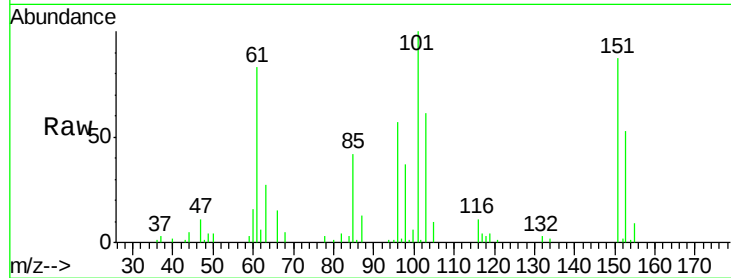
ClientSampled :

VN0607WBS01

Tot Ion:	101	Resp:	55347
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.4	50.2
151	85.7	69.4	104.2

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#10

Methyl Iodide

Concen: 19.692 ug/l

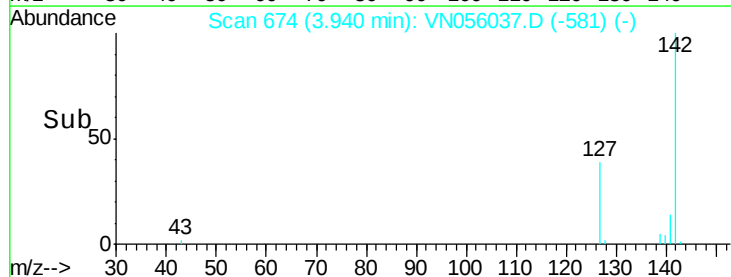
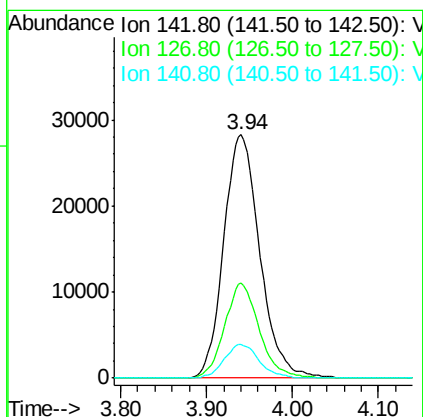
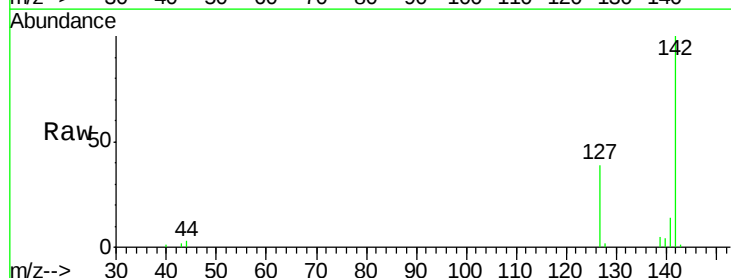
RT: 3.94 min Scan# 674

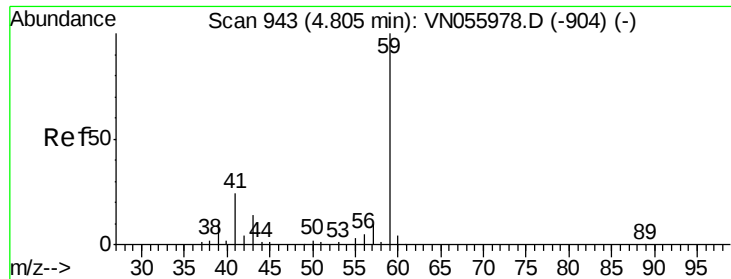
Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Tgt Ion:	142	Resp:	82377
Ion Ratio	Lower	Upper	
142	100		
127	37.4	31.0	46.4
141	13.4	11.4	17.0





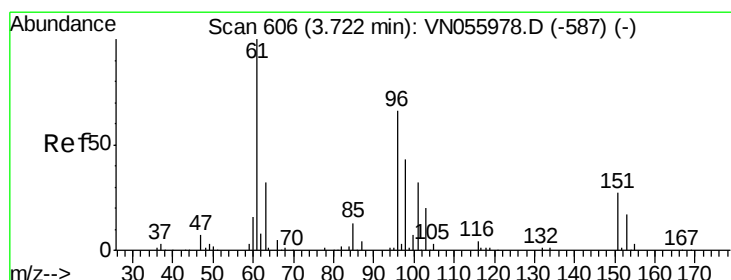
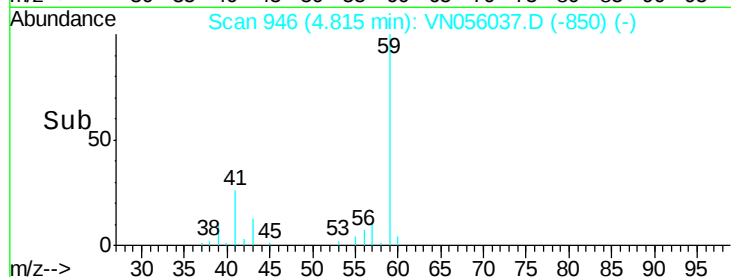
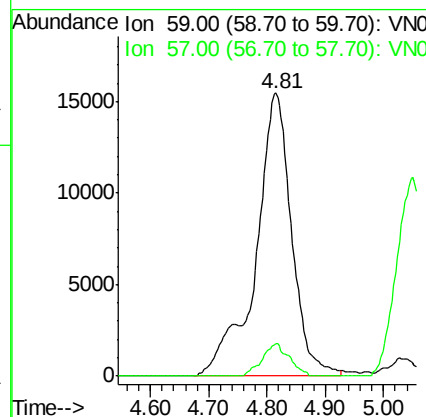
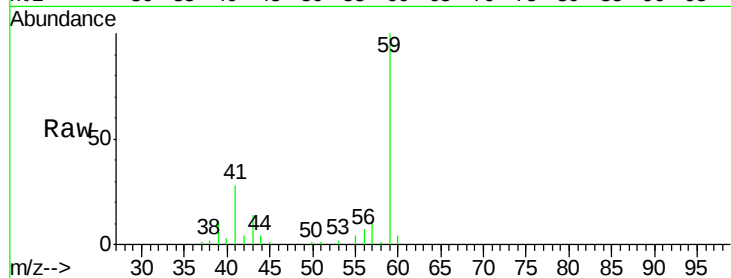
#11
Tert butyl alcohol
Concen: 122.508 ug/l m
RT: 4.81 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion: 59 Resp: 66083
Ion Ratio Lower Upper
59 100
57 8.7 7.8 11.6

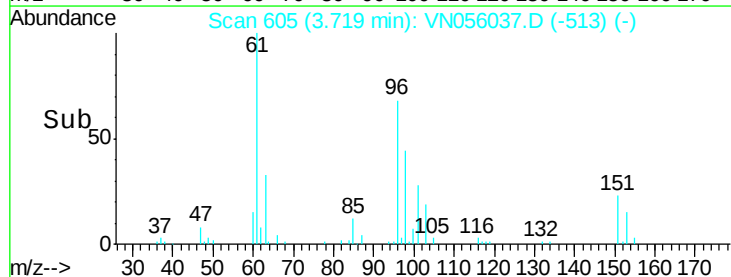
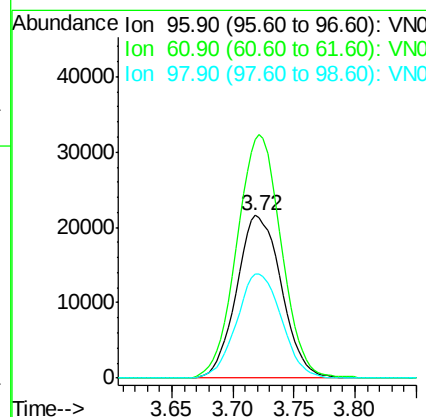
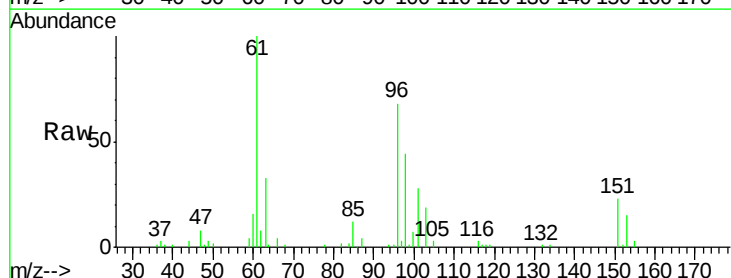
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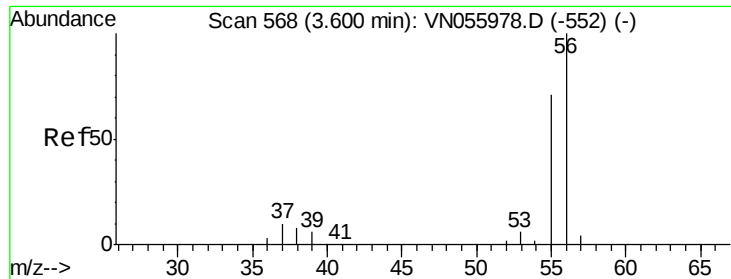
MMDadoda
6/7/2019 9:36:55 AM



#12
1,1-Dichloroethene
Concen: 20.992 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion: 96 Resp: 55014
Ion Ratio Lower Upper
96 100
61 146.9 123.2 184.8
98 64.0 50.4 75.6





#13

Acrolein

Concen: 76.781 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

ClientSampled :

VN0607WBS01

Tot Ion: 56 Resp: 11945

Ion Ratio Lower Upper

56 100

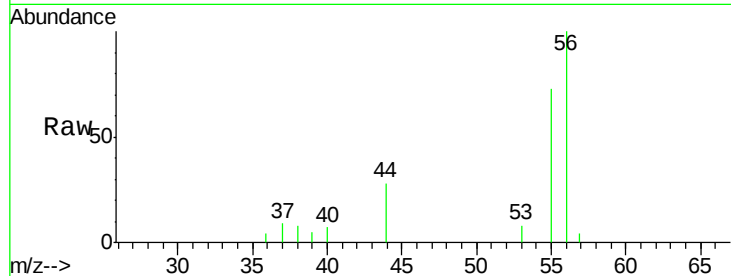
55 72.3 55.4 83.2

Manual Integrations

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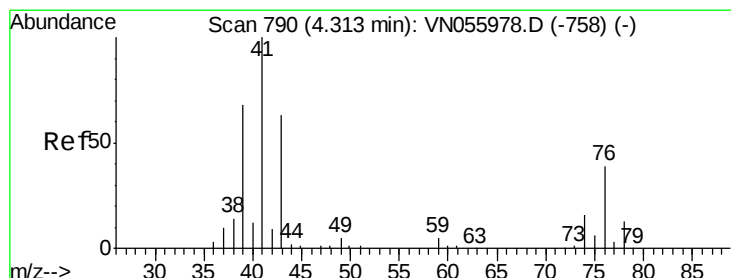
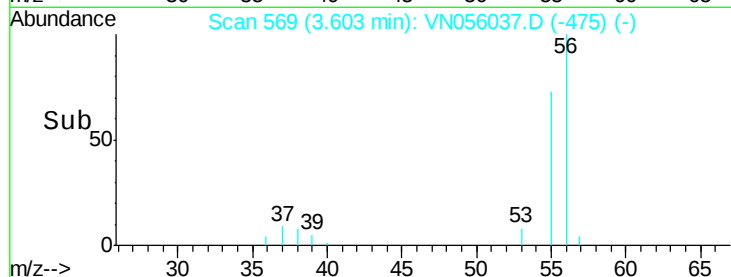
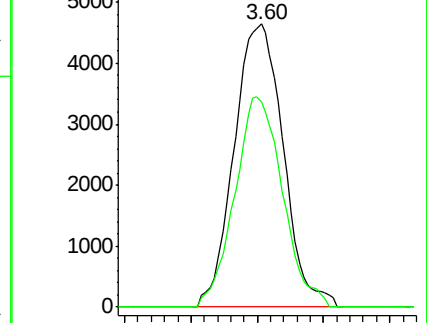
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.709 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

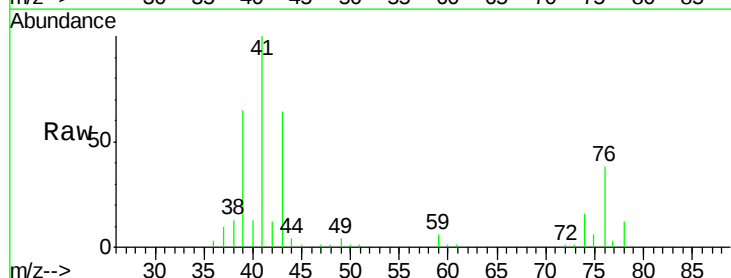
Tgt Ion: 41 Resp: 85699

Ion Ratio Lower Upper

41 100

39 61.1 50.0 75.0

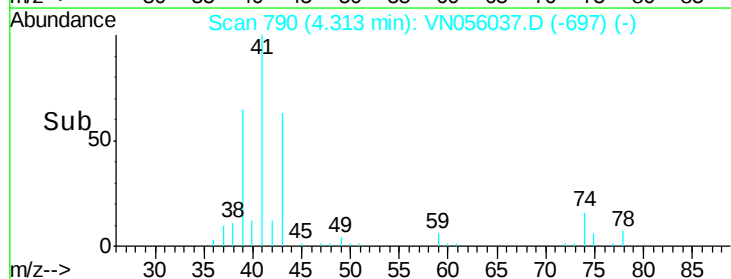
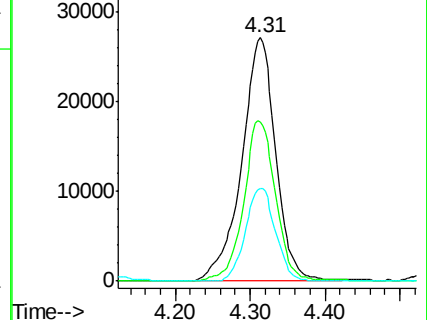
76 33.4 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 116.129 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

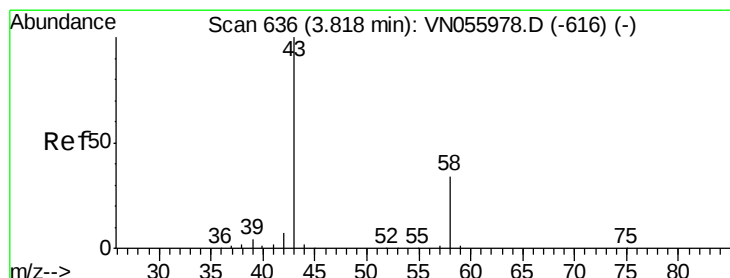
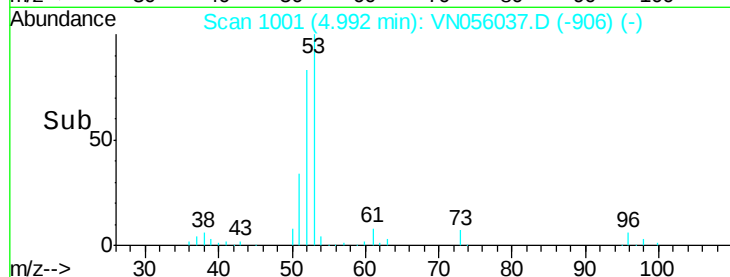
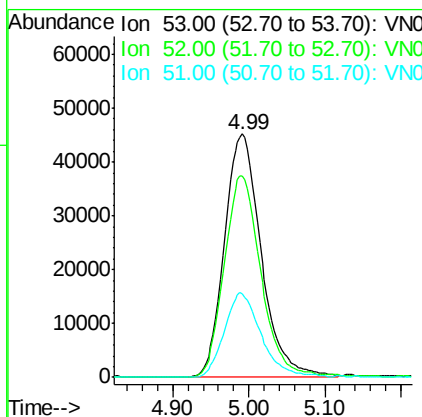
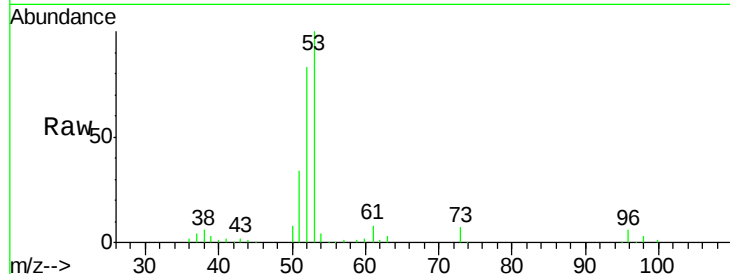
ClientSampleId :

VN0607WBS01

Tot Ion:	53	Resp:	152489
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.8	98.8
51	34.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 99.814 ug/l

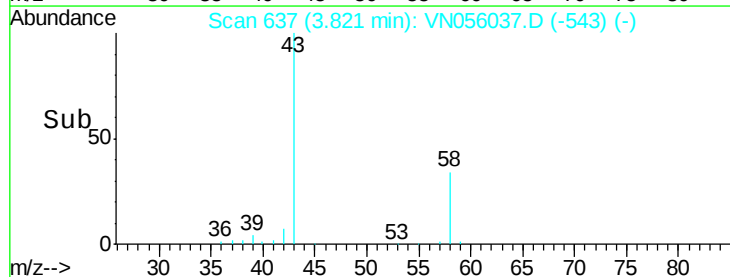
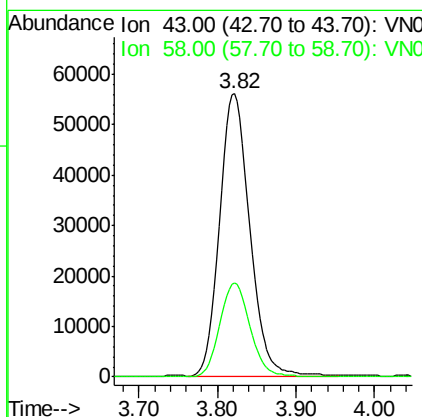
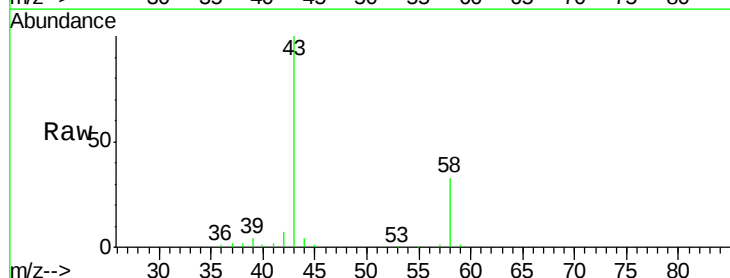
RT: 3.82 min Scan# 637

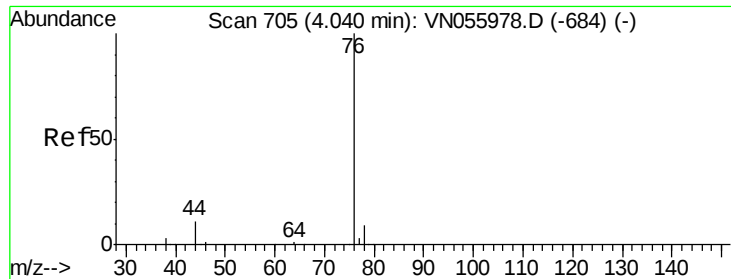
Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Tgt Ion:	43	Resp:	147974
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.6	39.8





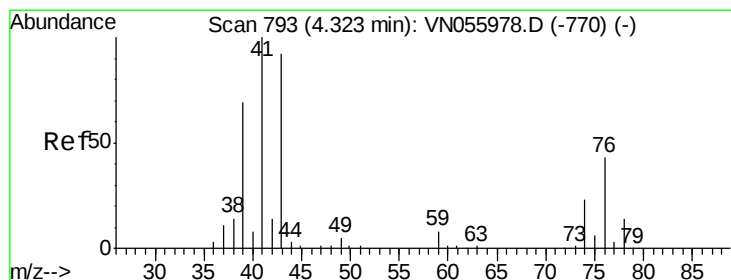
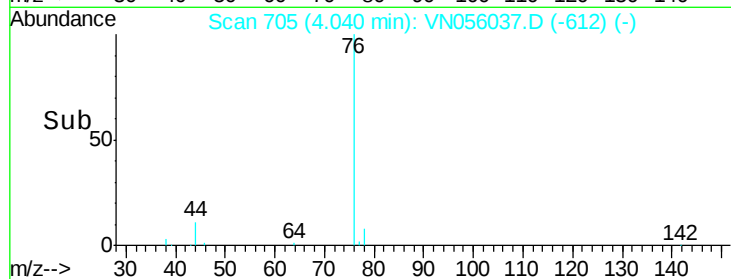
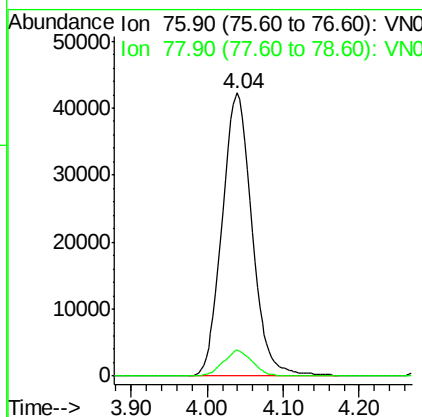
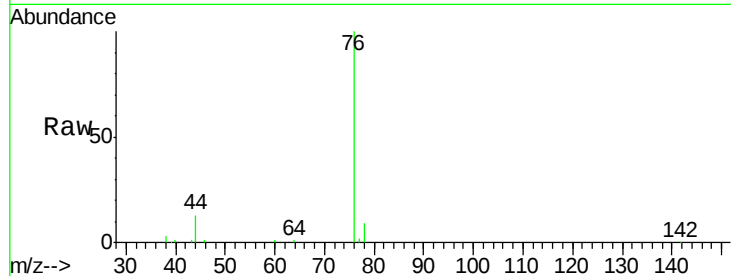
#17
Carbon Disulfide
Concen: 18.479 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

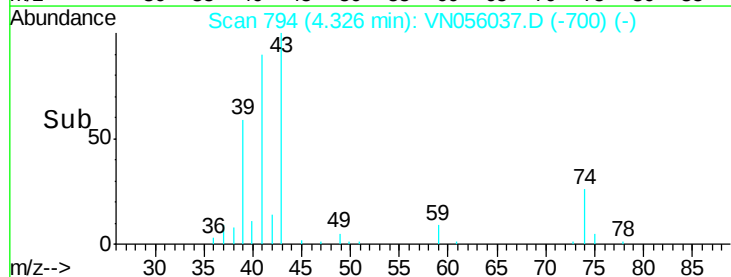
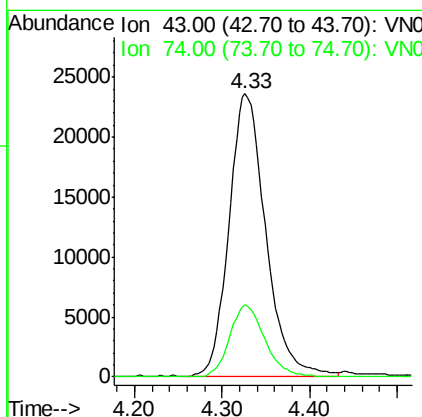
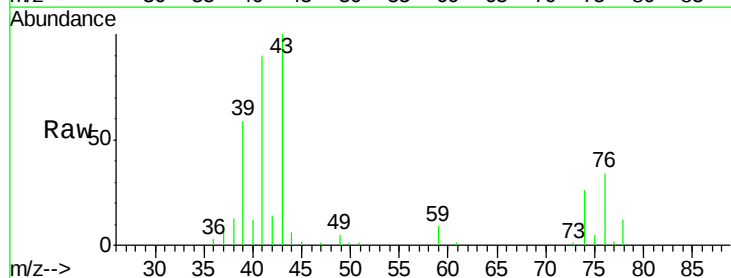
Manual Integrations
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6/7/2019 9:36:55 AM



#18
Methyl Acetate
Concen: 23.424 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.3	28.9





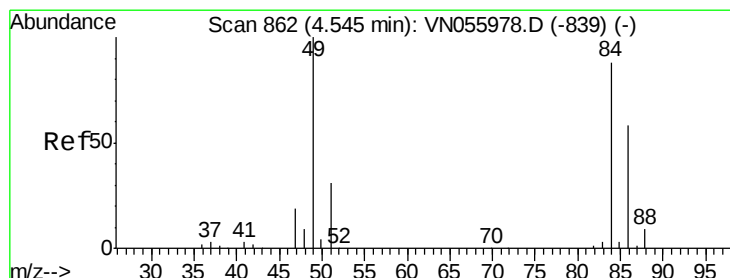
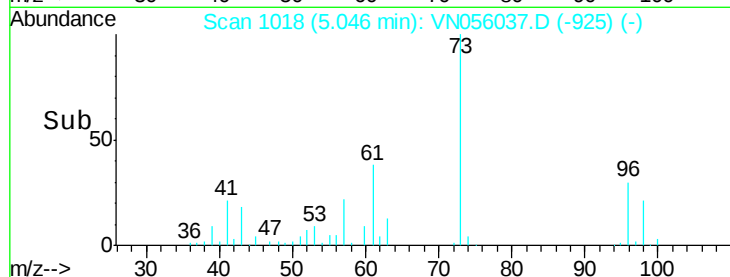
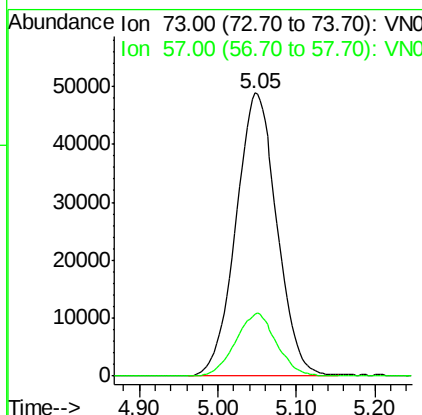
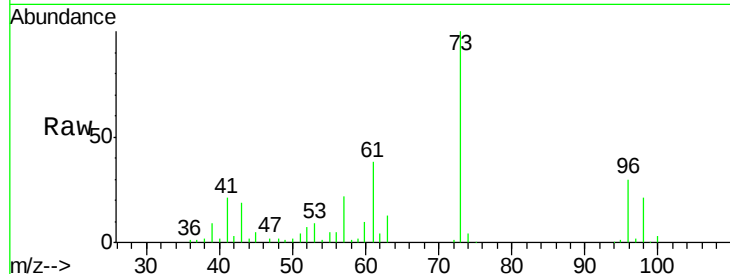
#19
Methyl tert-butyl Ether
Concen: 21.326 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion: 73 Resp: 178148
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8

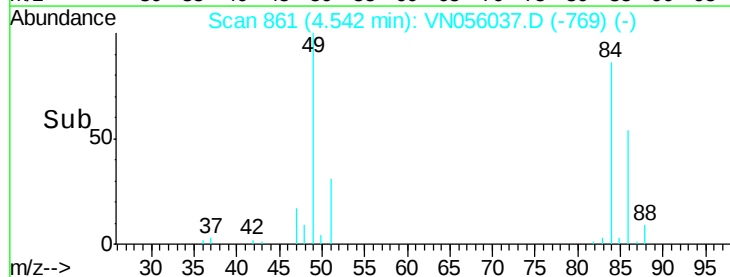
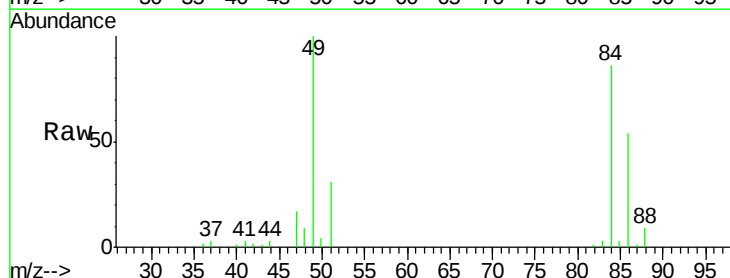
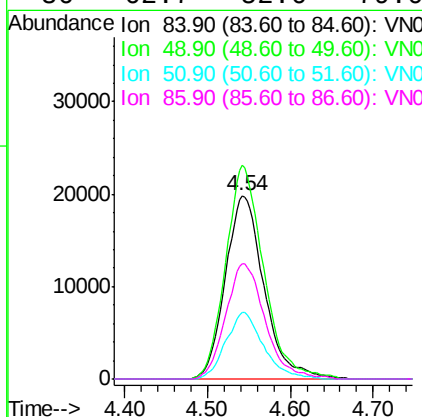
Manual Integrations
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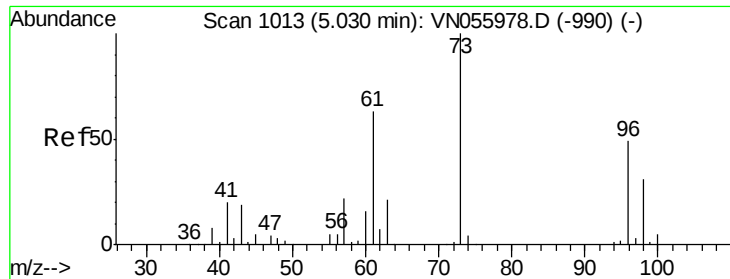
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#20
Methylene Chloride
Concen: 21.022 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion: 84 Resp: 64208
Ion Ratio Lower Upper
84 100
49 116.6 93.5 140.3
51 36.1 28.6 43.0
86 62.7 52.6 79.0





#21

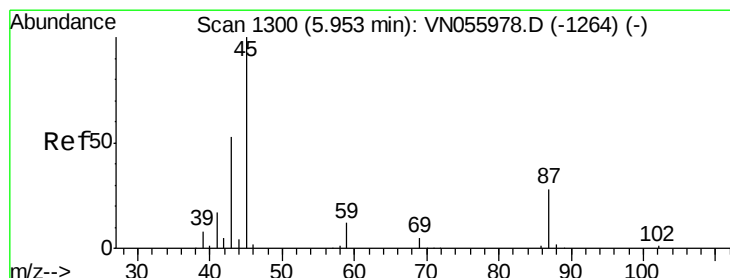
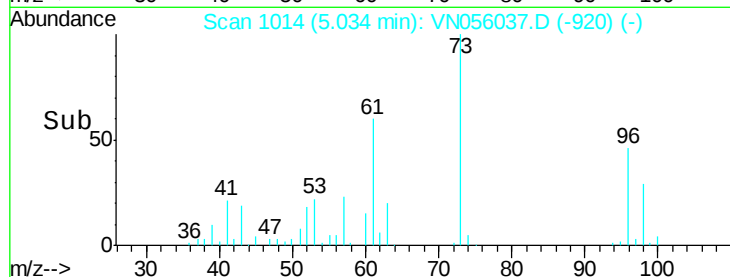
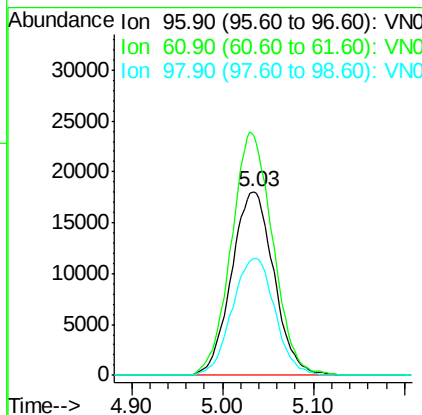
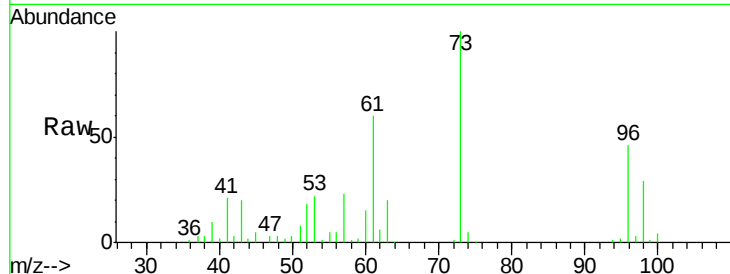
trans-1,2-Dichloroethene
Concen: 20.787 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	107.8	161.8
98	63.9	49.8	74.8

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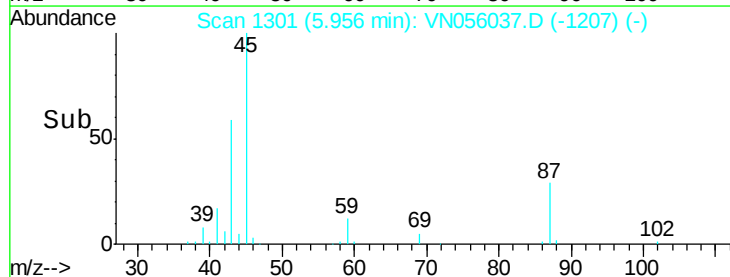
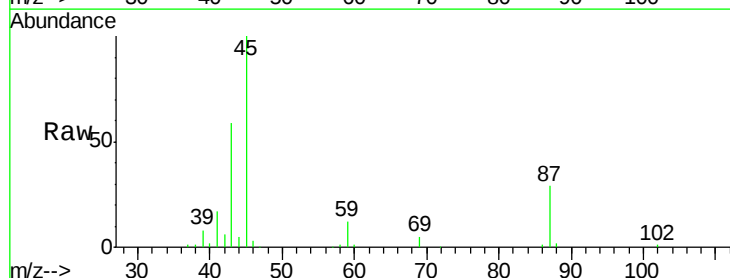
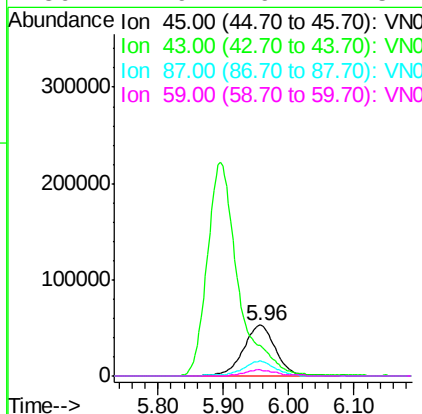
MMDadoda
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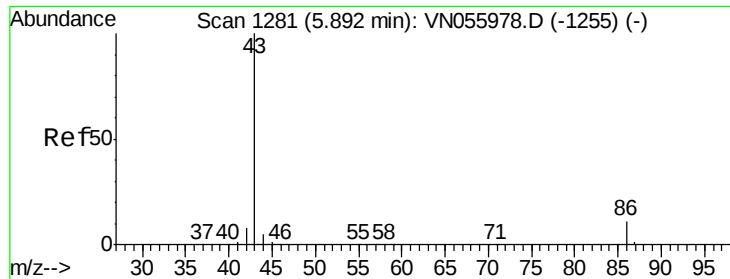


#22

Diisopropyl ether
Concen: 21.216 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	45.0	67.6
87	28.8	22.2	33.4
59	11.9	9.1	13.7





#23

Vinyl Acetate

Concen: 108.441 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Tot Ion: 43 Resp: 730527

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0

Instrument :

MSVOA_N

ClientSampled :

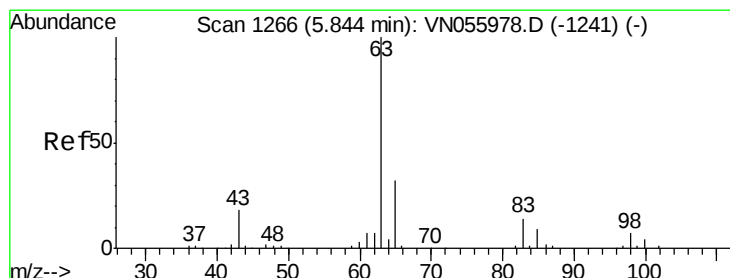
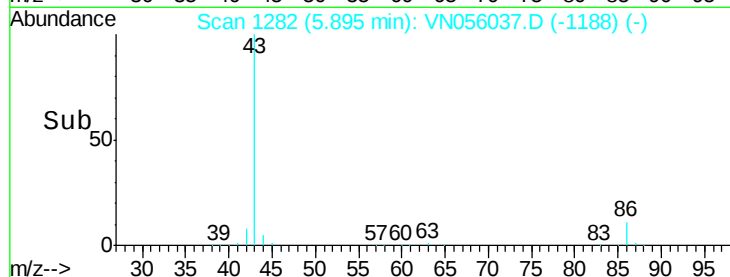
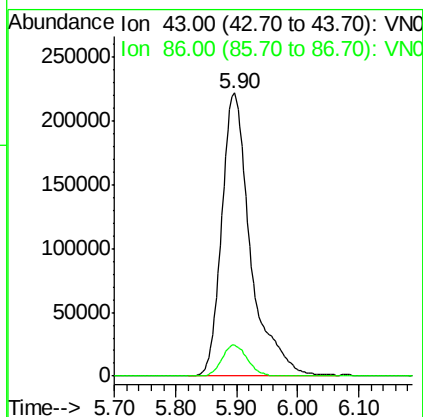
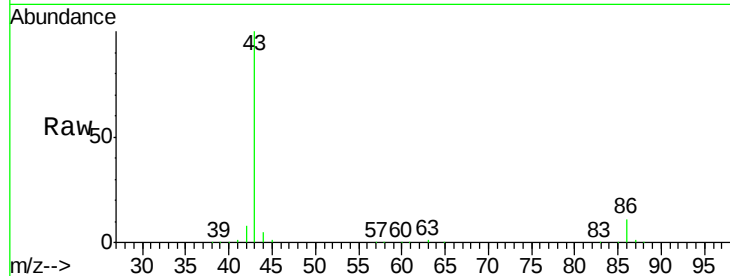
VN0607WBS01

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.189 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

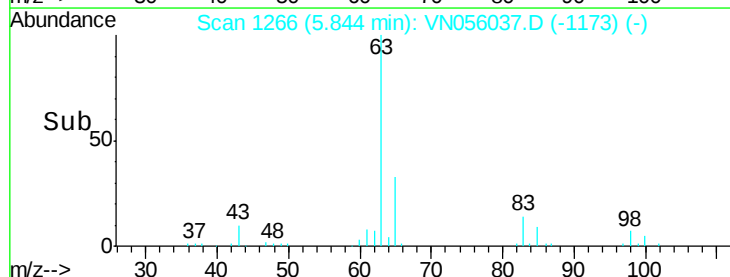
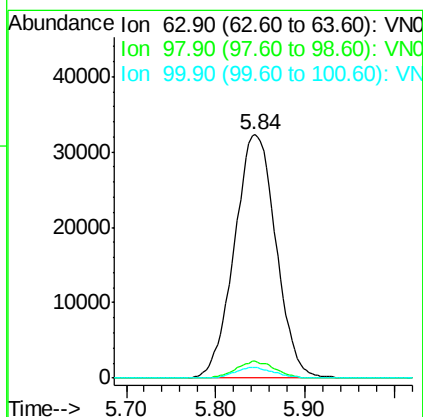
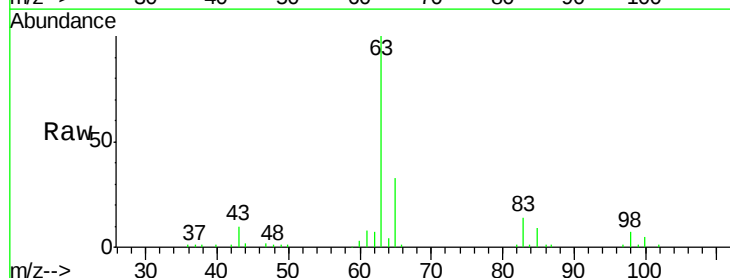
Tgt Ion: 63 Resp: 104555

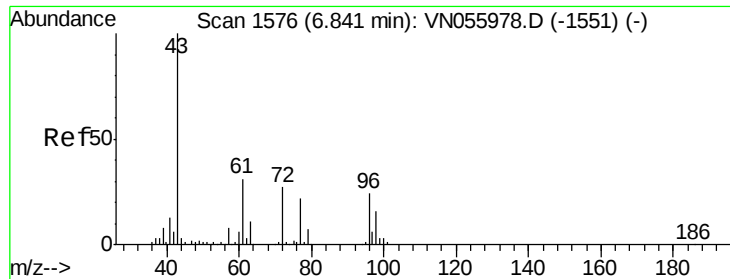
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 112.943 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS01

Tot Ion: 43 Resp: 211553

Ion Ratio Lower Upper

43 100

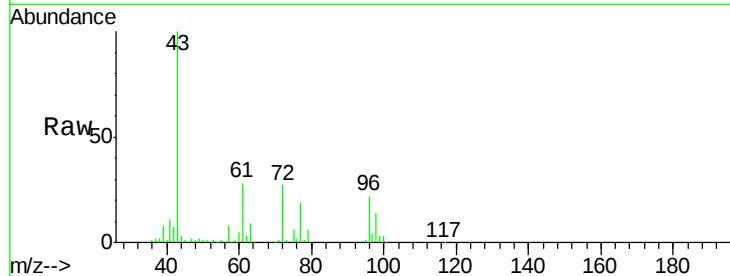
72 27.3 21.9 32.9

Manual Integrations

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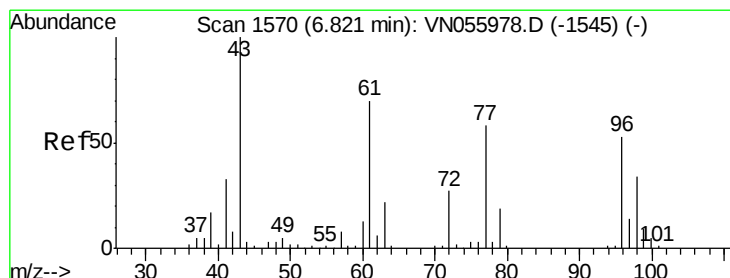
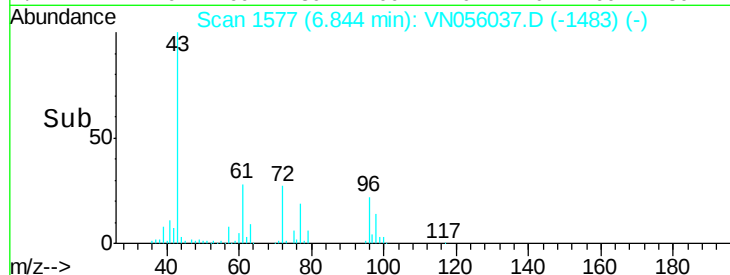
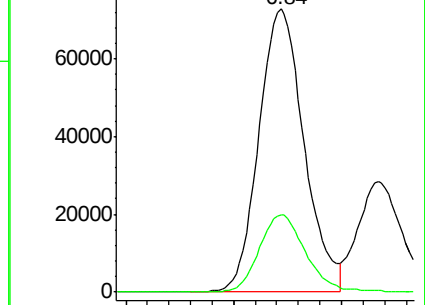
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.188 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056037.D

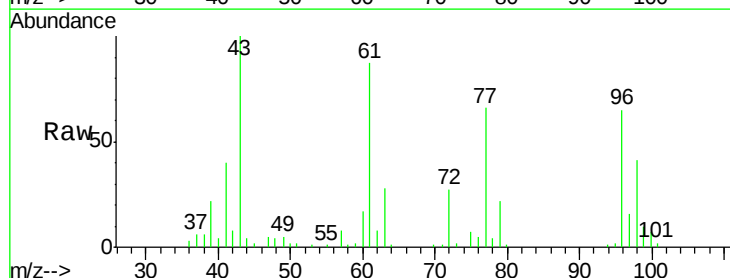
Acq: 6 Jun 2019 11:34

Tgt Ion: 77 Resp: 73884

Ion Ratio Lower Upper

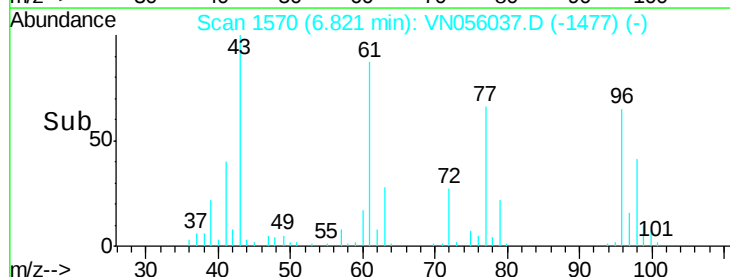
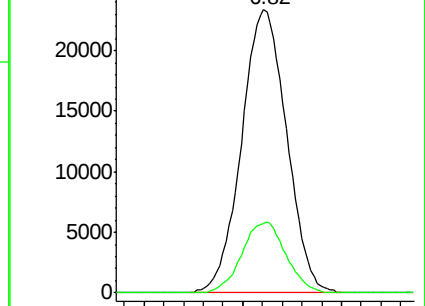
77 100

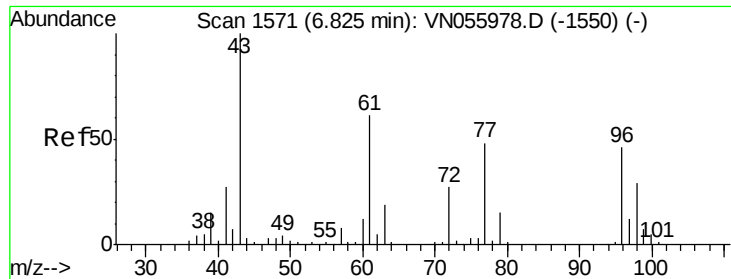
97 24.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.883 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

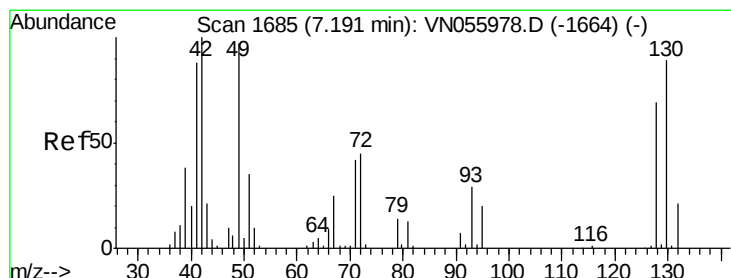
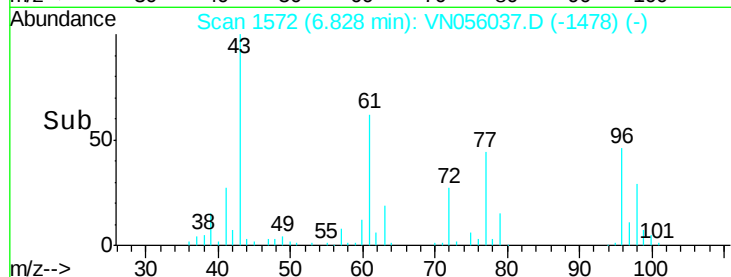
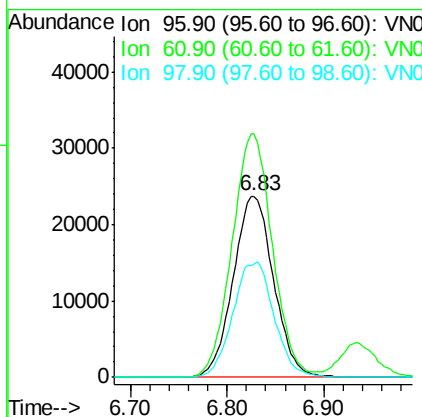
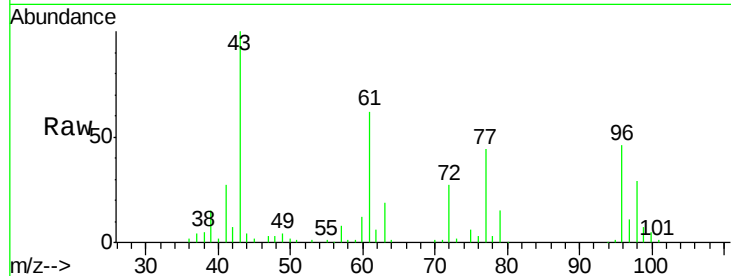
ClientSampleId :

VN0607WBS01

Tot Ion:	96	Resp:	68930
Ion	Ratio	Lower	Upper
96	100		
61	134.2	0.0	275.8
98	64.7	0.0	128.4

Manual Integrations
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MMDadoda
6/7/2019 9:36:55 AM



#28

Bromochloromethane

Concen: 22.176 ug/l

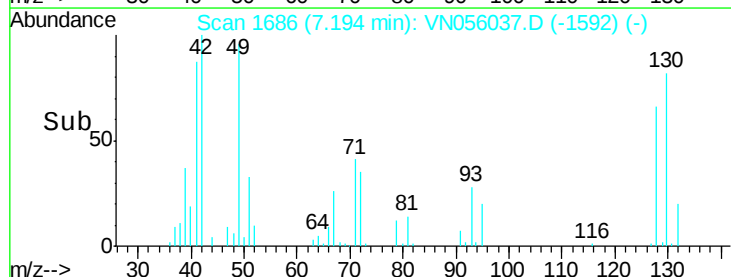
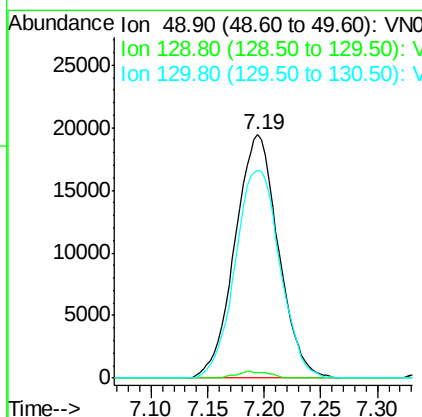
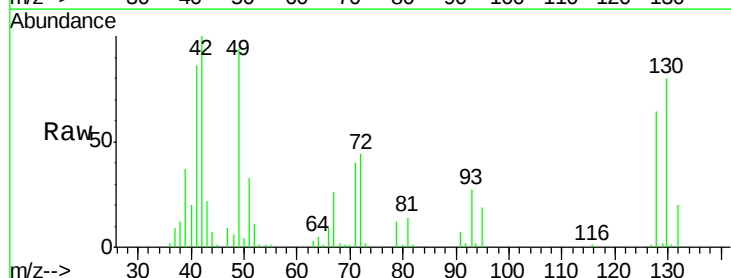
RT: 7.19 min Scan# 1686

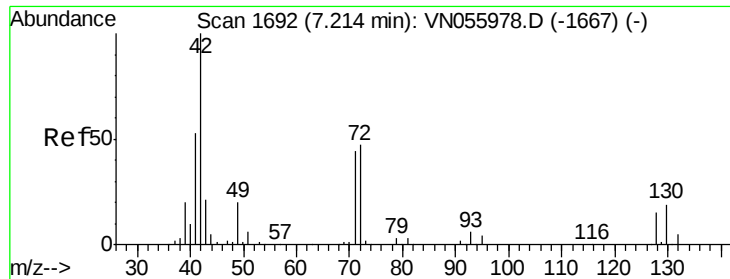
Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Tgt Ion:	49	Resp:	51749
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	88.4	71.2	106.8





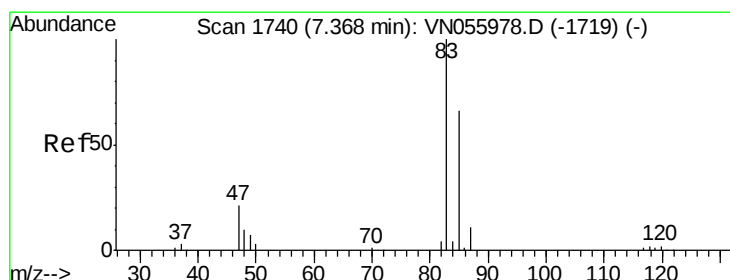
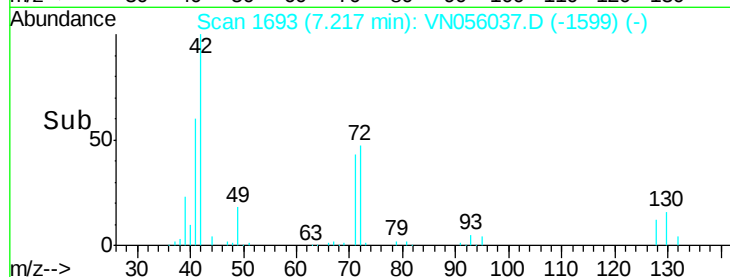
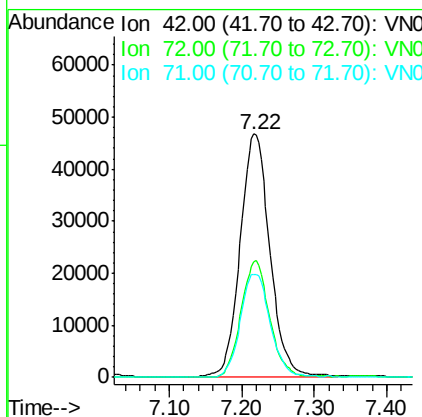
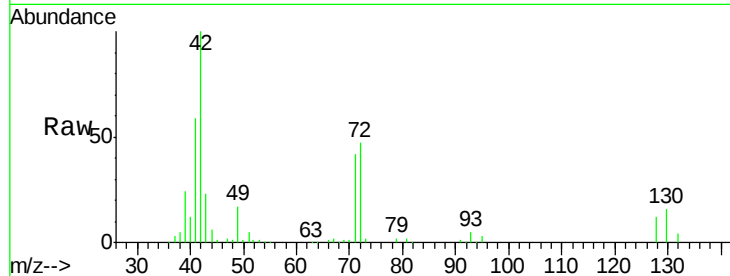
#29
Tetrahydrofuran
Concen: 116.176 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.9	53.9
71	42.4	34.0	51.0

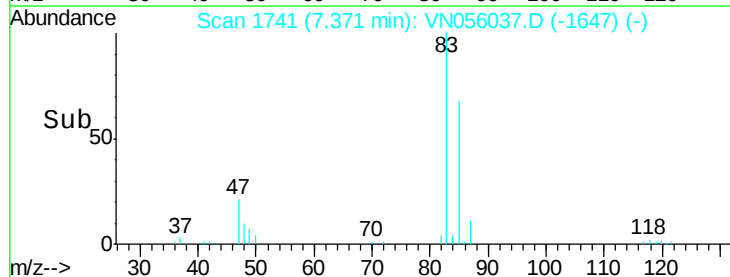
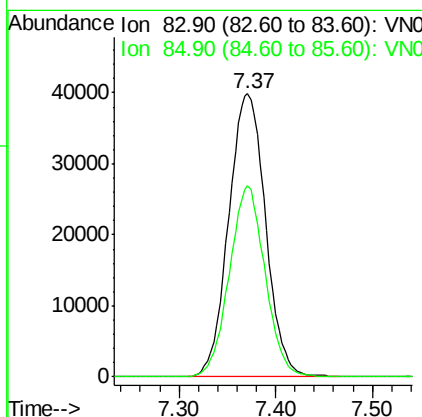
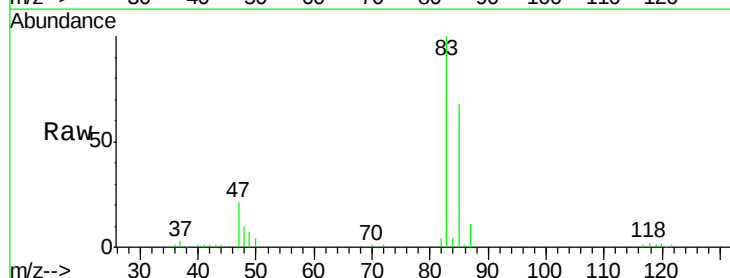
Manual Integrations
APPROVED

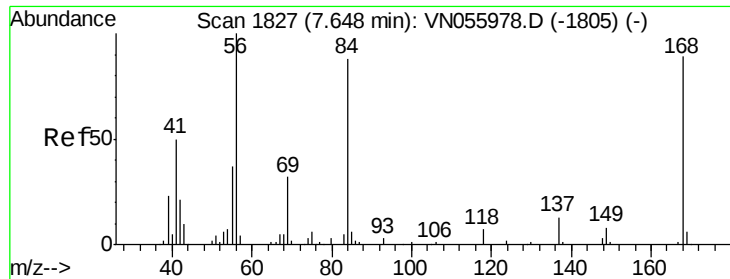
MMDadoda
6/7/2019 9:36:55 AM



#30
Chloroform
Concen: 21.247 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.8	77.8





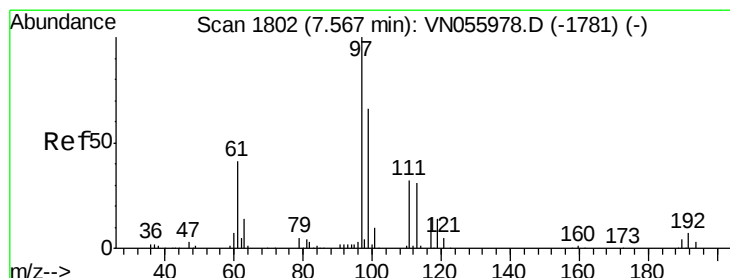
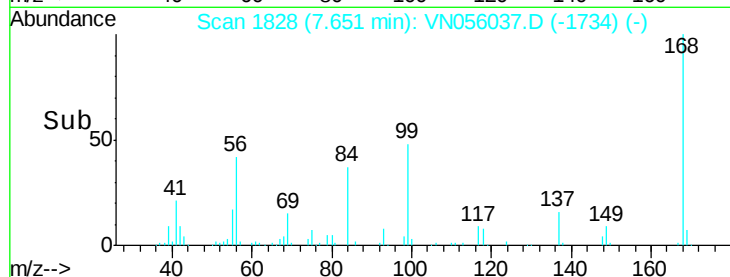
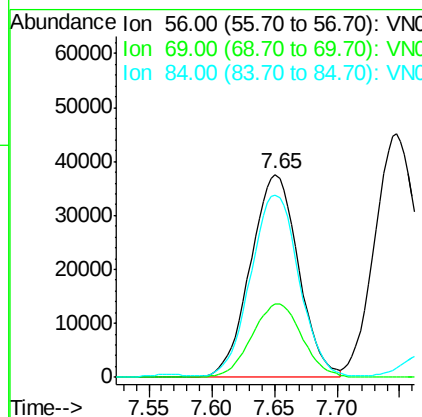
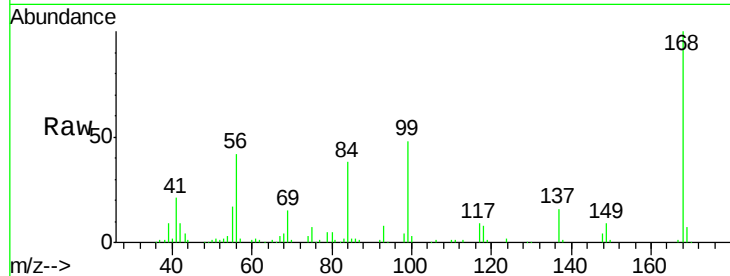
#31
Cyclohexane
Concen: 20.384 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	25.6	38.4
84	88.6	67.4	101.0

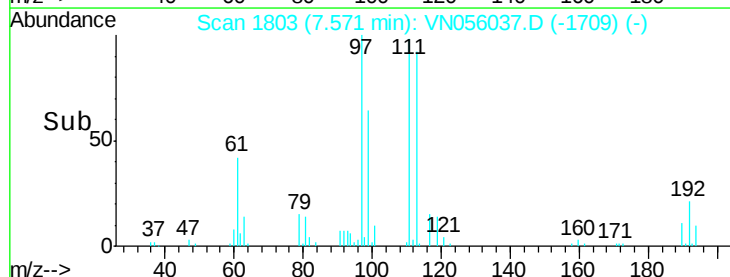
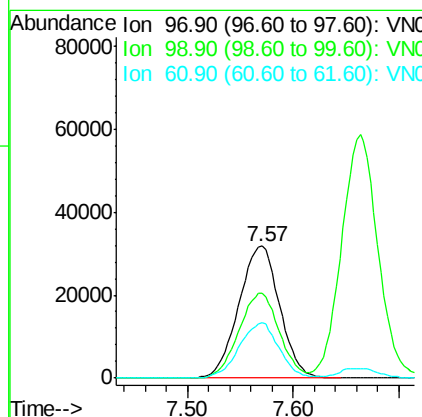
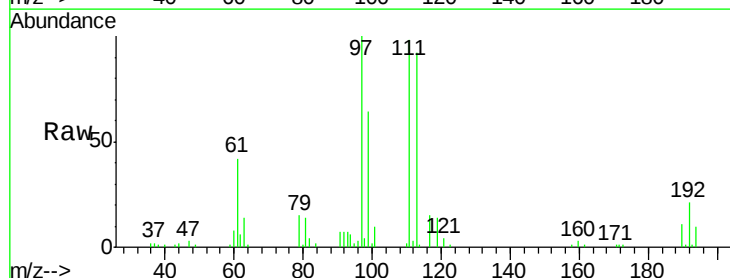
Manual Integrations
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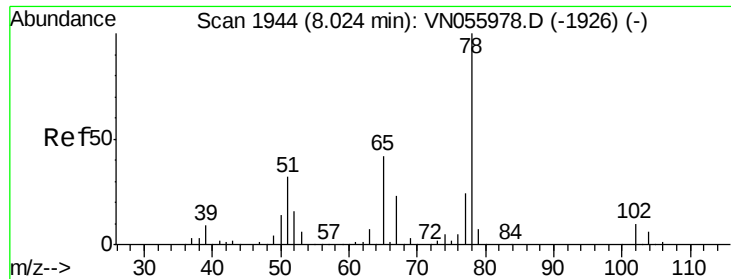
MMDadoda
6/7/2019 9:36:55 AM



#32
1,1,1-Trichloroethane
Concen: 20.634 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.0	78.0
61	41.0	32.9	49.3





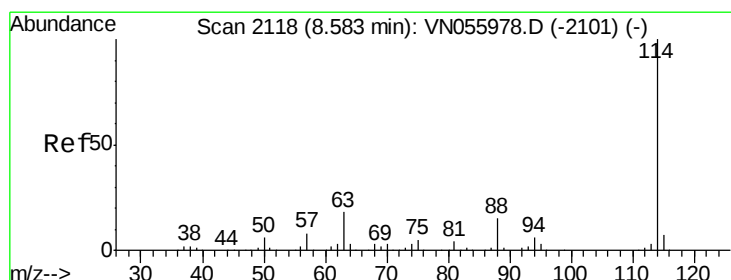
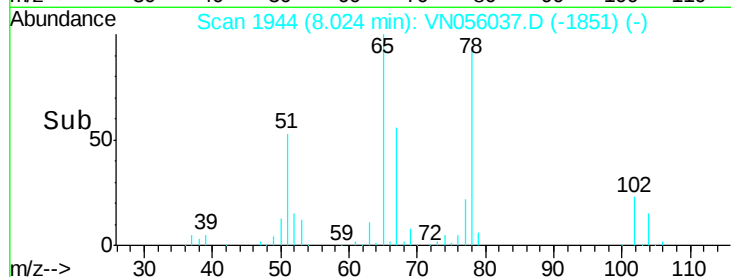
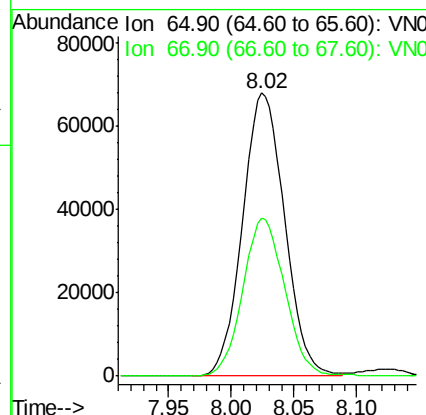
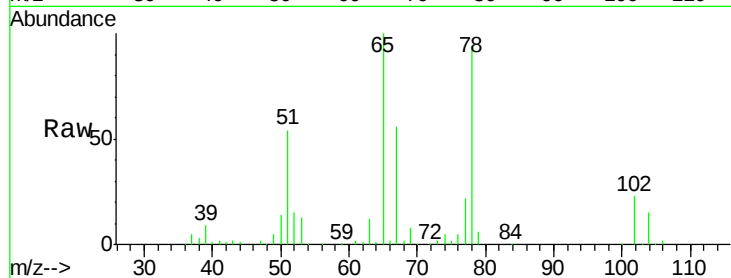
#33
 1,2-Dichloroethane-d4
 Concen: 51.261 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS01

Tot Ion: 65 Resp: 158893
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 109.2

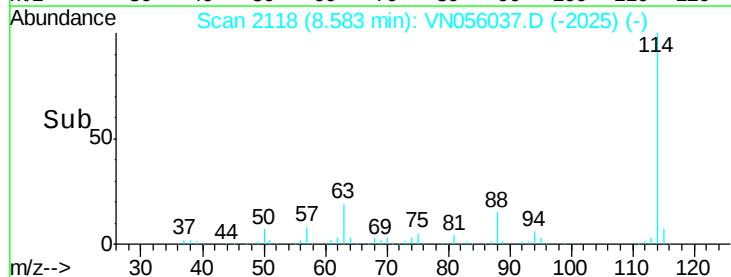
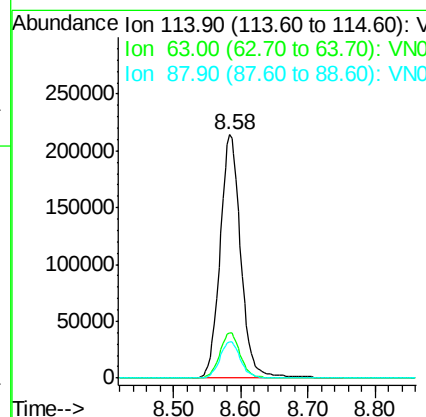
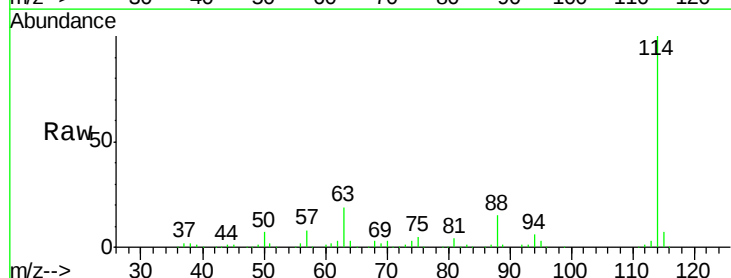
Manual Integrations
 APPROVED

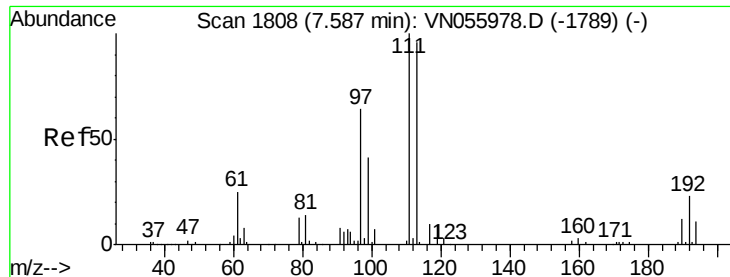
MMDadoda
 6/7/2019 9:36:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Tgt Ion: 114 Resp: 460212
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 15.2 0.0 31.0





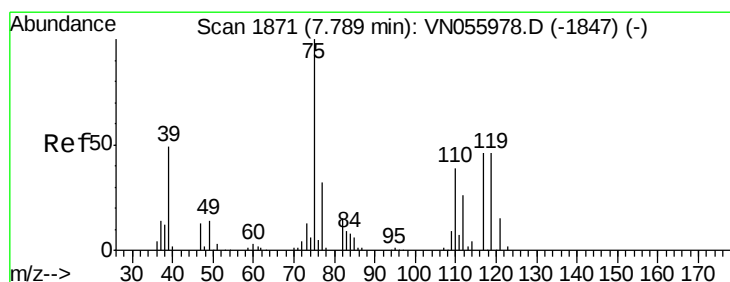
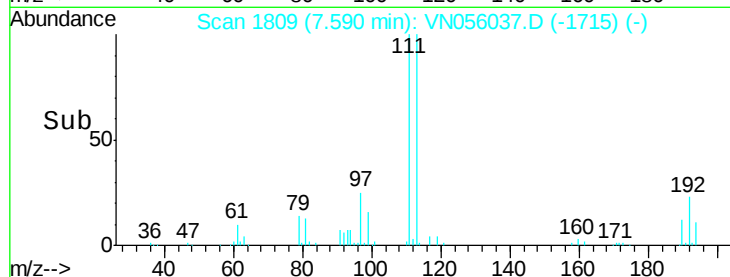
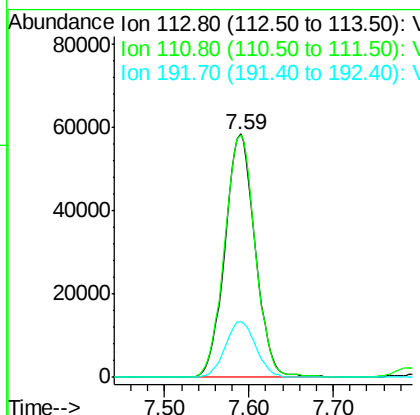
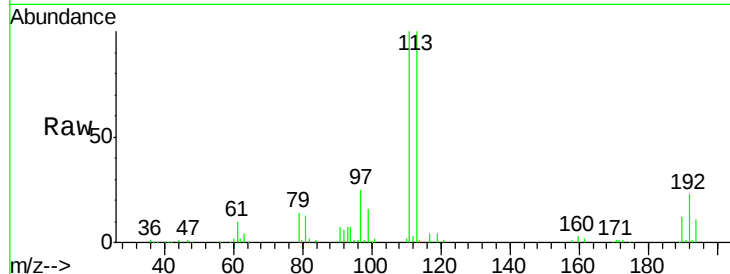
#35
 Dibromofluoromethane
 Concen: 51.423 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145195		
111	101.2	81.9	122.9	
192	23.2	19.5	29.3	

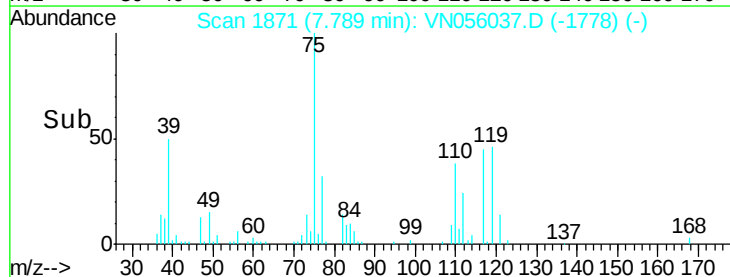
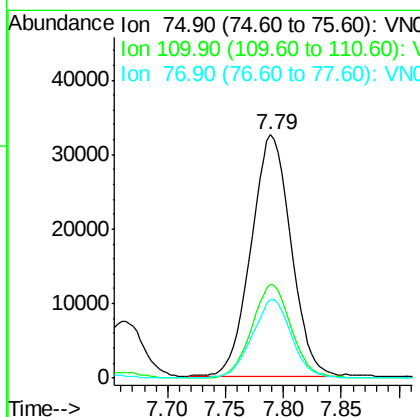
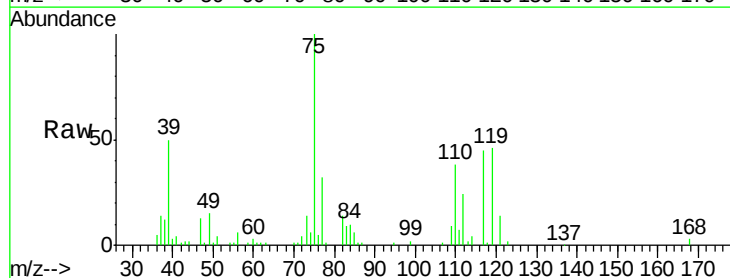
Manual Integrations
 APPROVED

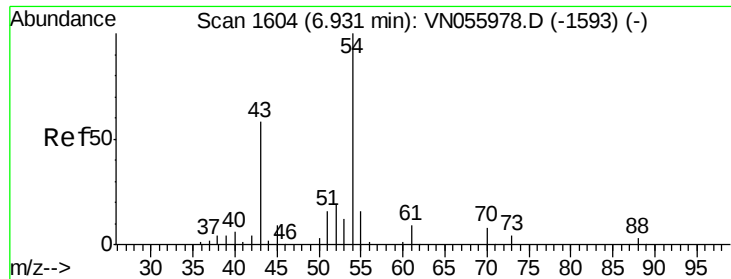
MMDadoda
 6/7/2019 9:36:55 AM



#36
 1,1-Dichloropropene
 Concen: 19.599 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77556		
110	38.3	19.0	57.0	
77	32.2	25.1	37.7	





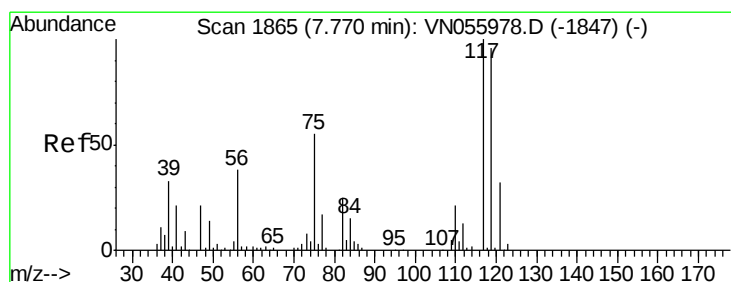
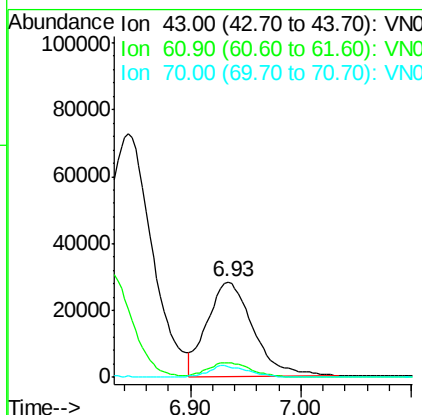
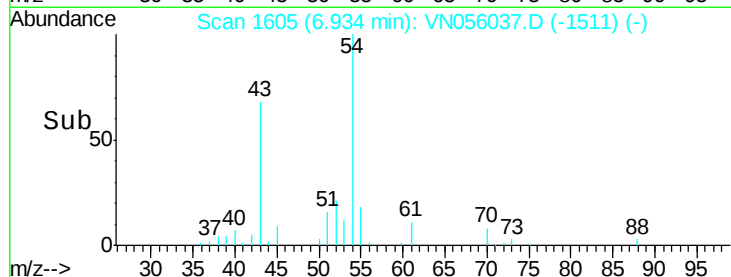
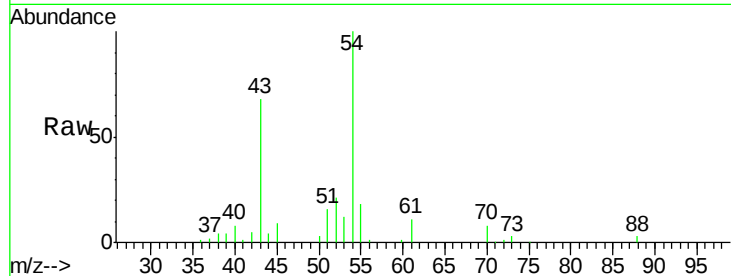
#37
Ethyl Acetate
Concen: 22.990 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleID :
VN0607WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.2	18.2
70	10.8	8.9	13.3

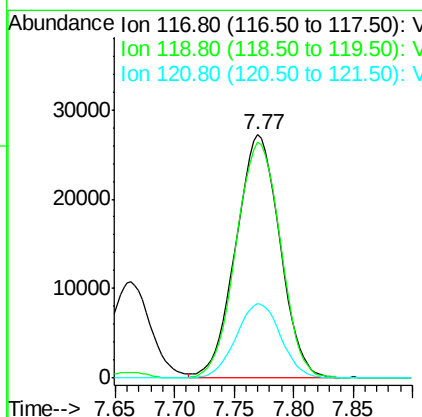
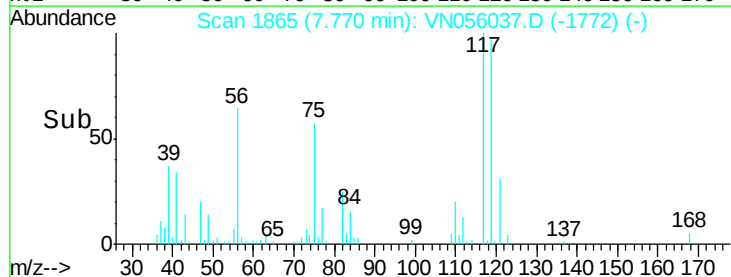
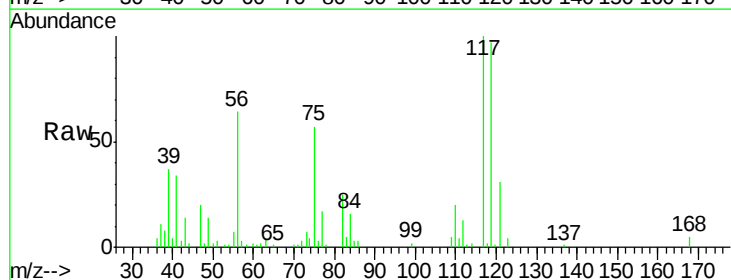
Manual Integrations
APPROVED

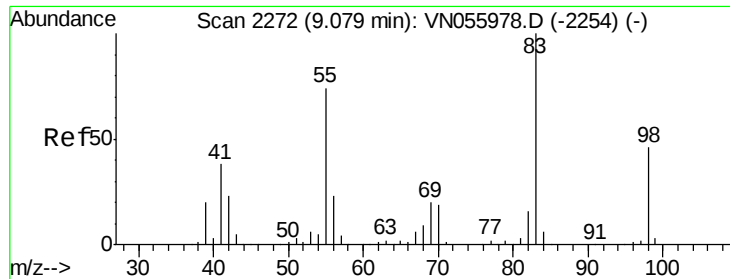
MMDadoda
6/7/2019 9:36:55 AM



#38
Carbon Tetrachloride
Concen: 19.142 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.0	118.6
121	30.5	24.7	37.1





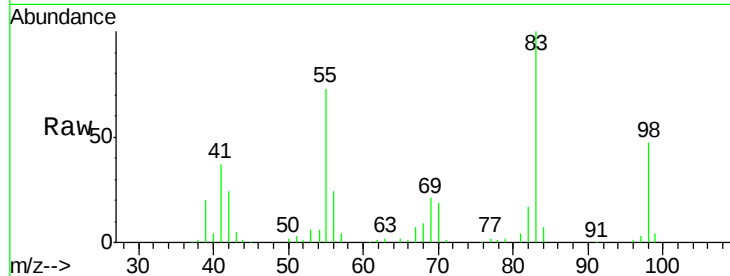
#39
Methvlcvclohexane
Concen: 19.414 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	59.3	88.9
98	46.7	36.6	54.8

Manual Integrations
APPROVED

MMDadoda
6/7/2019 9:36:55 AM

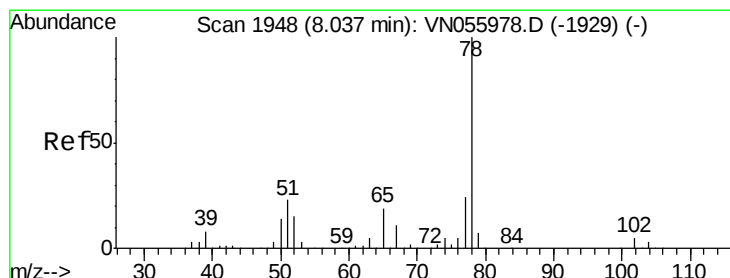
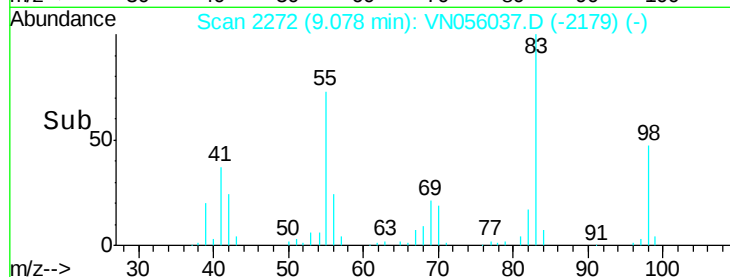
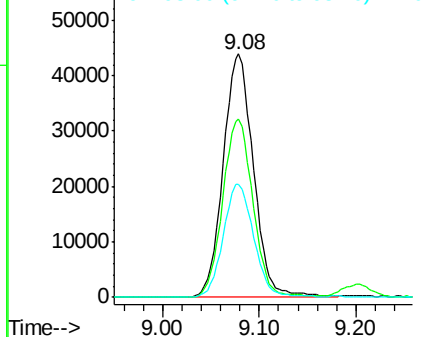


Abundance

Ion 83.00 (82.70 to 83.70): VN055978.D (-2254) (-)

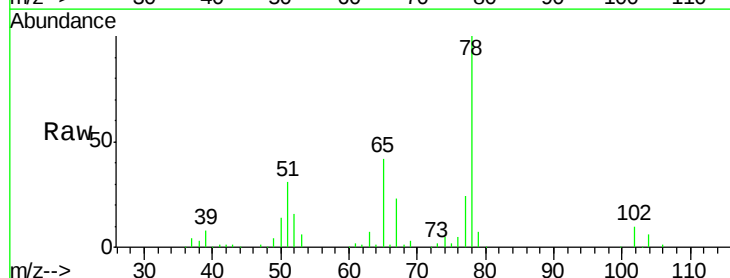
Ion 55.00 (54.70 to 55.70): VN055978.D (-2254) (-)

Ion 98.00 (97.70 to 98.70): VN055978.D (-2254) (-)



#40
Benzene
Concen: 20.857 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

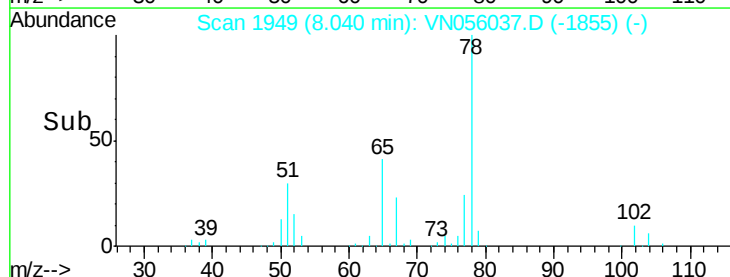
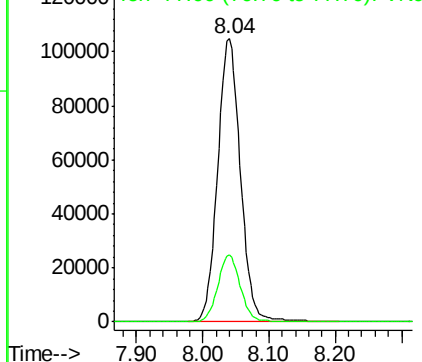
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2

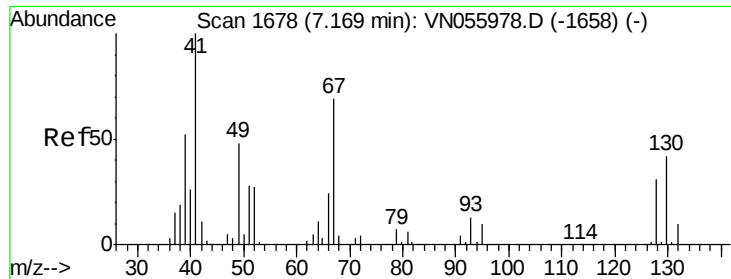


Abundance

Ion 78.00 (77.70 to 78.70): VN055978.D (-1929) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-1929) (-)





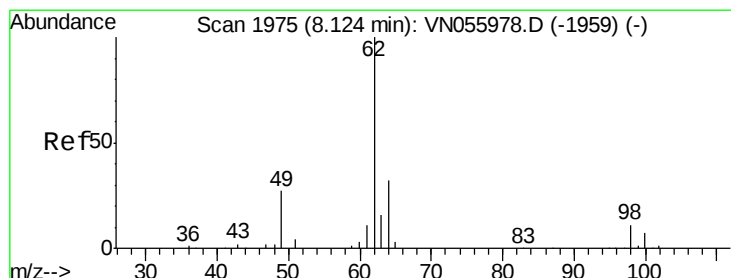
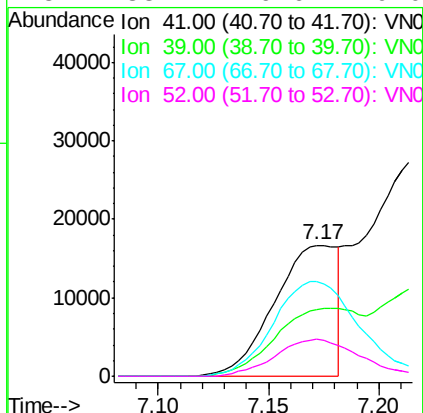
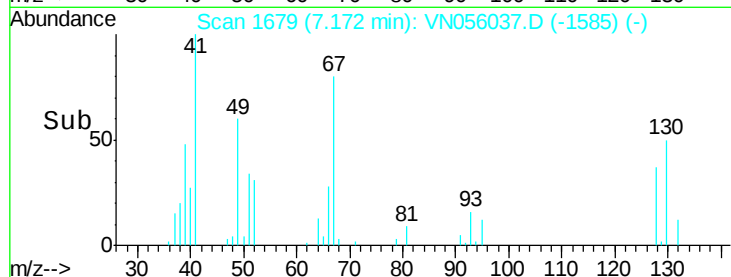
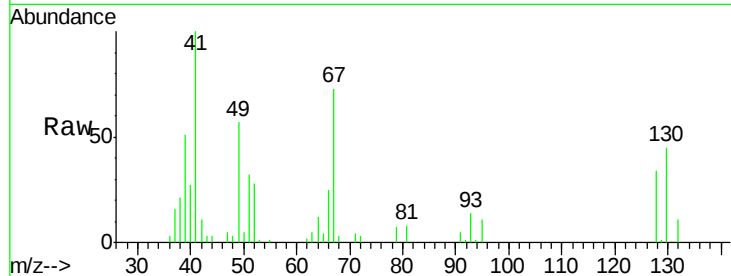
#41
Methacrylonitrile
Concen: 20.495 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion	41	Resp	33201
Ion Ratio	Lower	Upper	
41	100		
39	70.4	45.6	68.4#
67	99.7	67.7	101.5
52	38.4	26.6	40.0

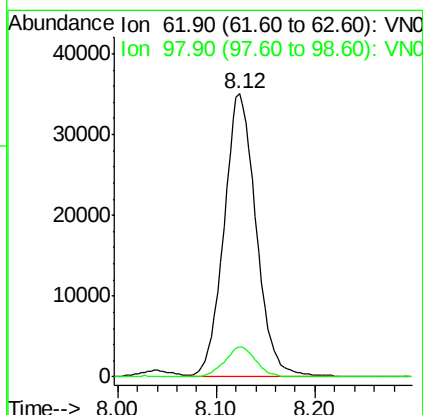
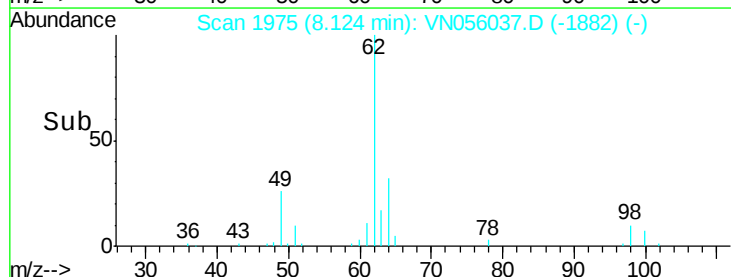
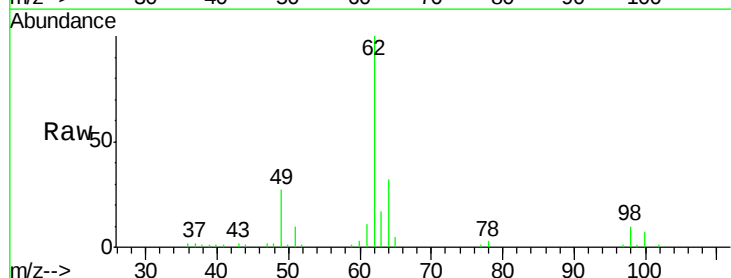
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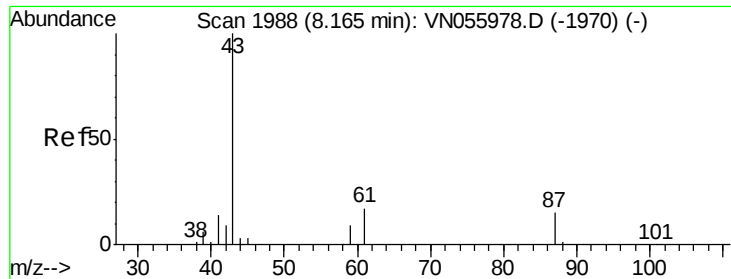
MMDadoda
6/7/2019 9:36:55 AM



#42
1,2-Dichloroethane
Concen: 20.690 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion	62	Resp	79989
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 21.309 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

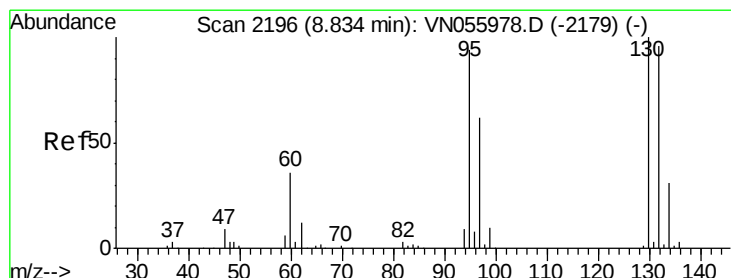
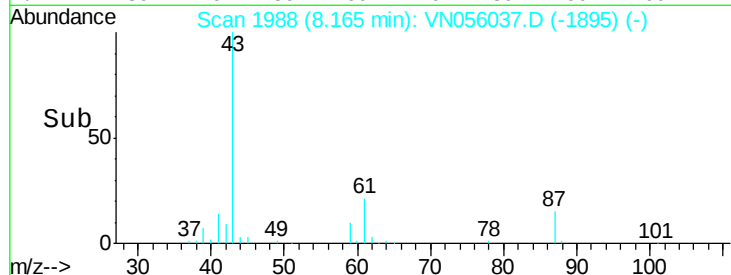
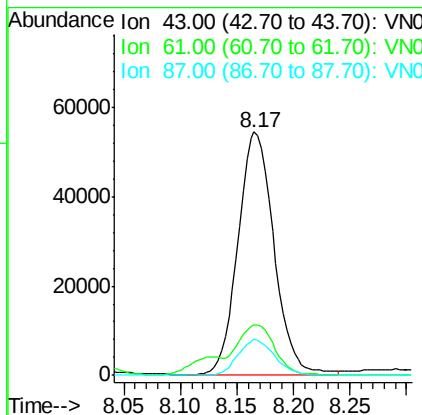
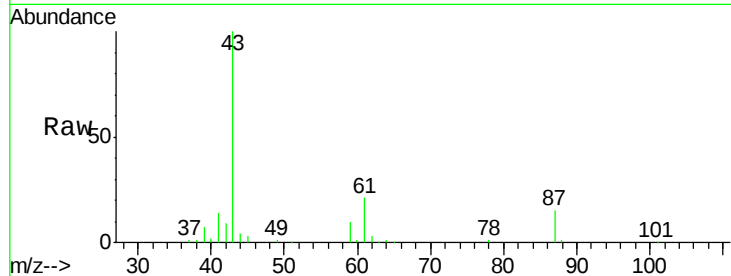
ClientSampleId :

VN0607WBS01

Tot Ion:	43	Resp:	121578
Ion Ratio	Lower	Upper	
43	100		
61	21.5	22.2	33.4#
87	14.9	11.4	17.2

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#44

Trichloroethene

Concen: 20.129 ug/l

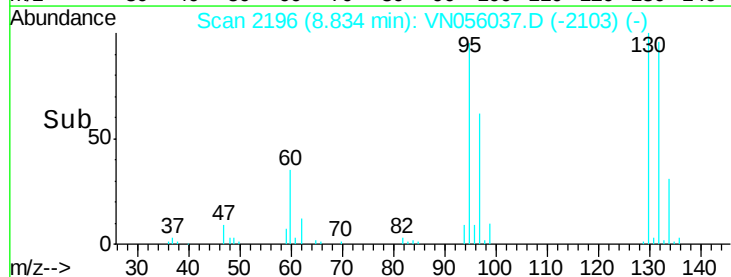
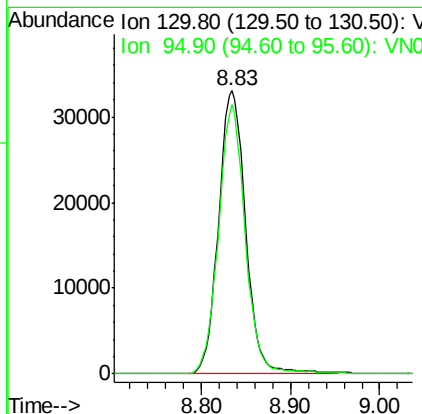
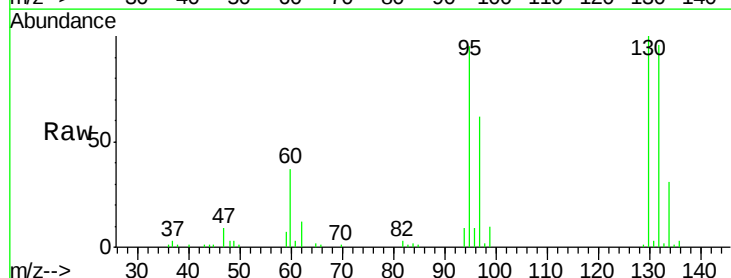
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Tgt Ion:	130	Resp:	69519
Ion Ratio	Lower	Upper	
130	100		
95	94.9	0.0	188.0





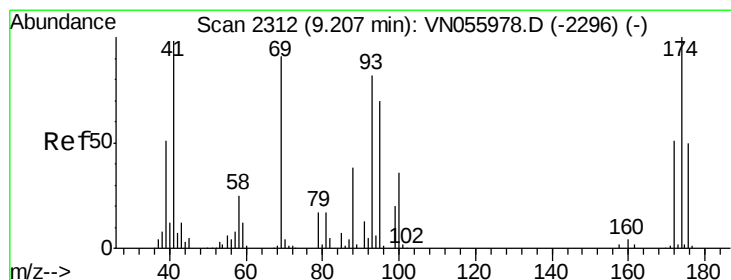
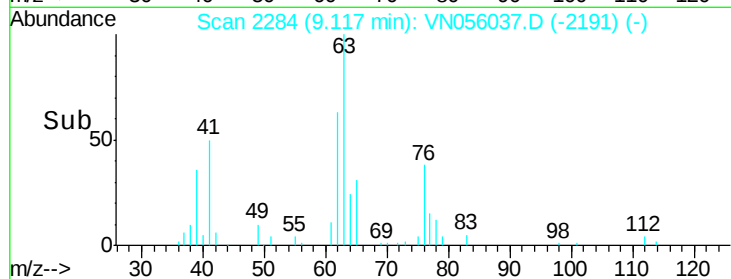
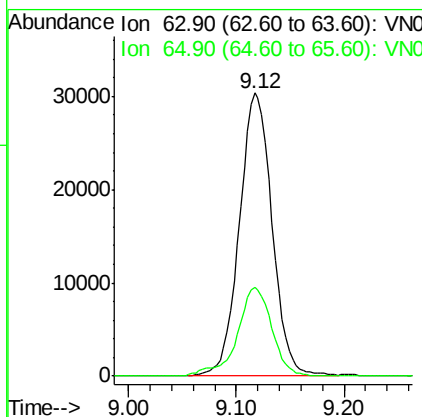
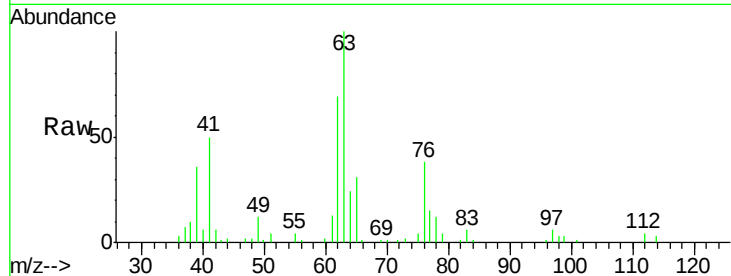
#45
 1,2-Dichloropropane
 Concen: 20.837 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS01

Tot Ion: 63 Resp: 64148
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 36.8

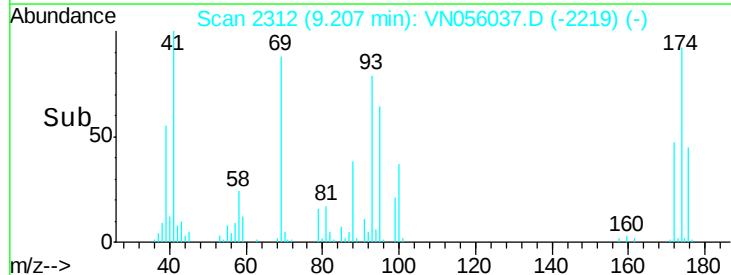
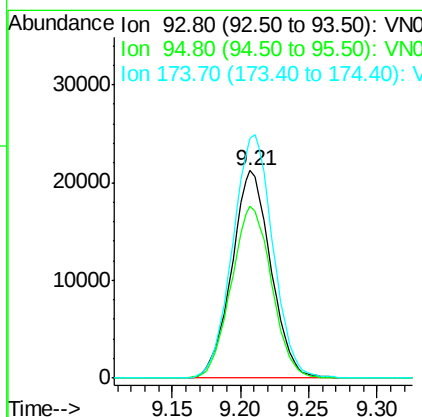
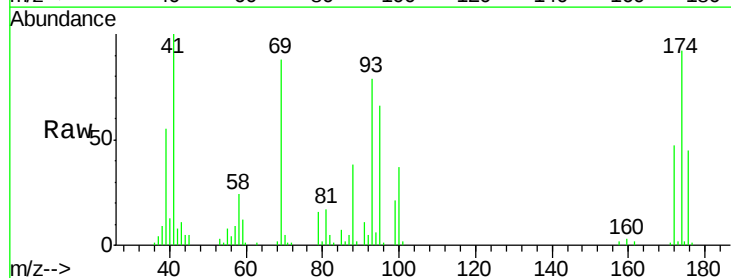
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#46
 Dibromomethane
 Concen: 20.969 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Tgt Ion: 93 Resp: 42213
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.7 100.1
 174 121.0 96.4 144.6





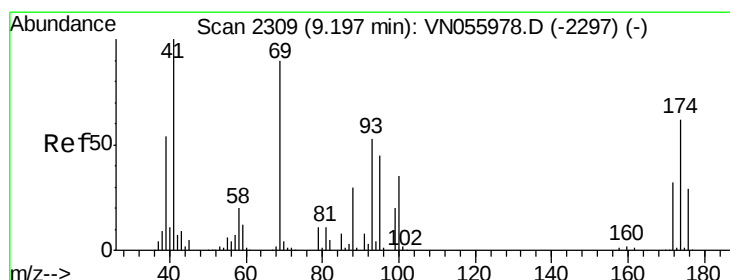
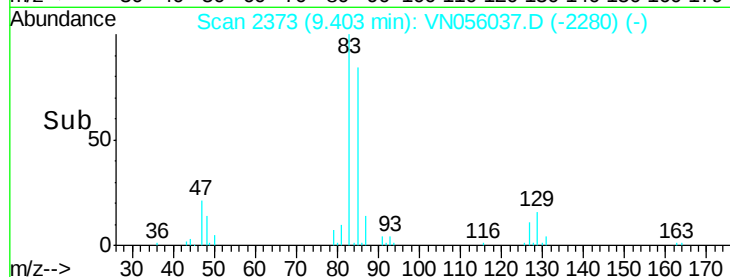
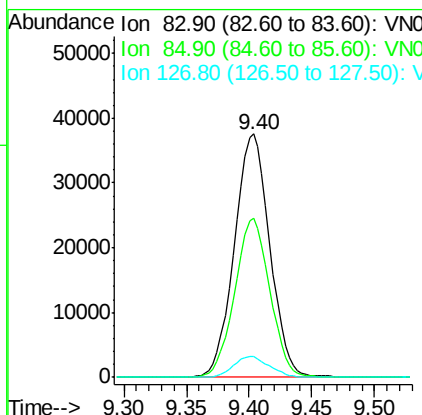
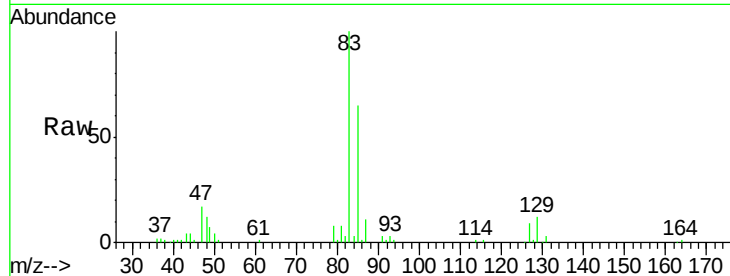
#47
Bromodichloromethane
Concen: 20.216 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS01

Tot Ion	83	Resp	73760
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	52.2	78.2
127	8.6	7.4	11.0

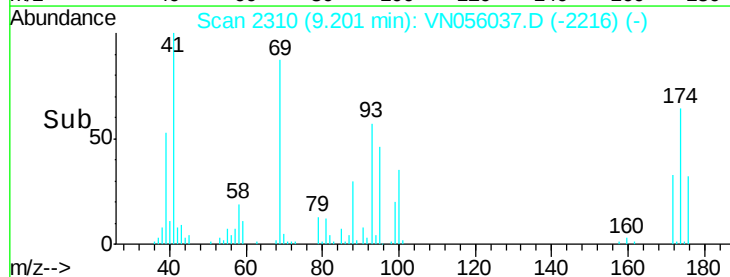
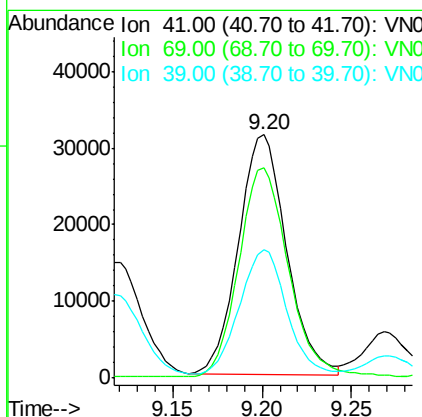
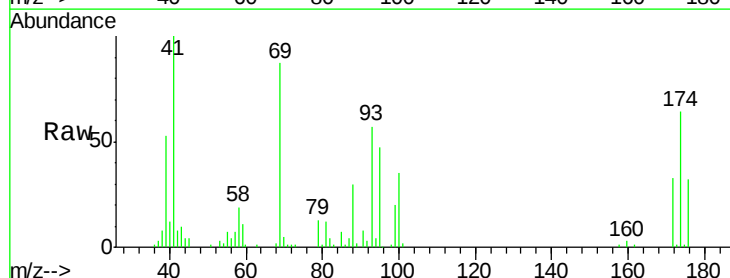
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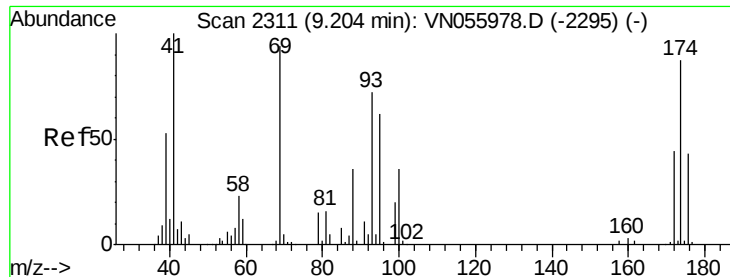
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#48
Methyl methacrylate
Concen: 20.999 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion	41	Resp	58614
Ion Ratio	100	Lower	Upper
41	100		
69	90.9	71.0	106.6
39	54.1	44.2	66.2





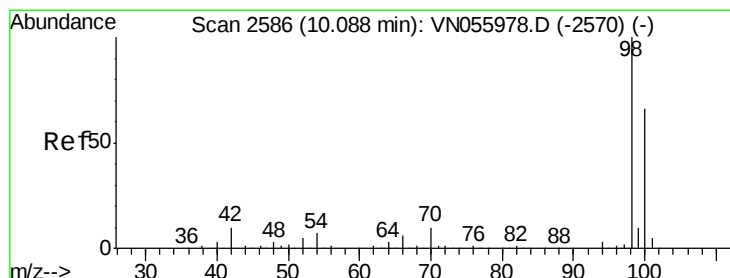
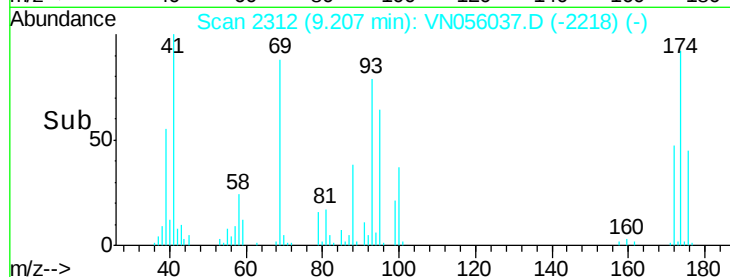
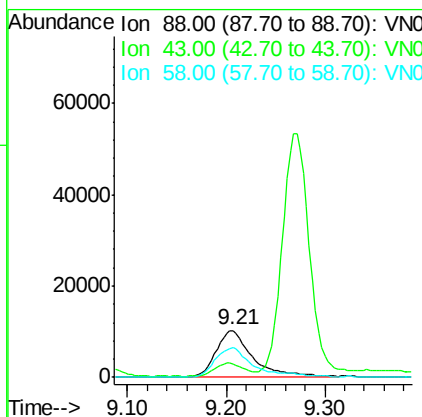
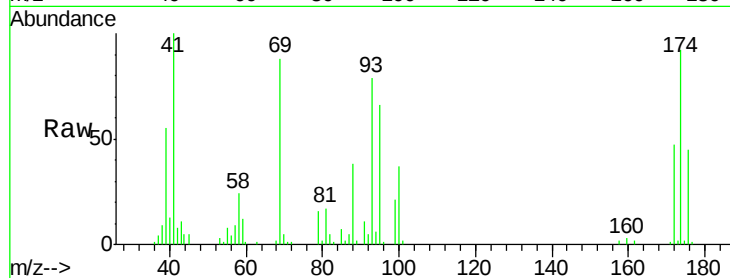
#49
1,4-Dioxane
Concen: 445.427 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion	88	Resp	26842
Ion	Ratio	Lower	Upper
88	100		
43	22.8	20.5	30.7
58	61.4	55.8	83.6

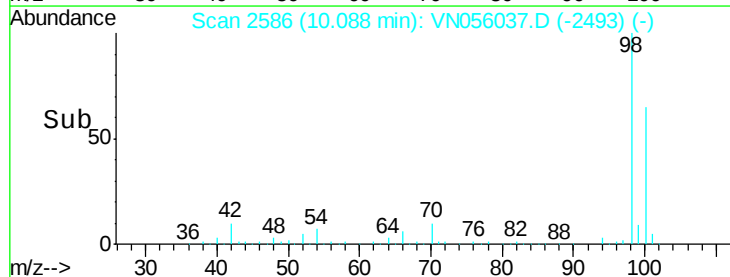
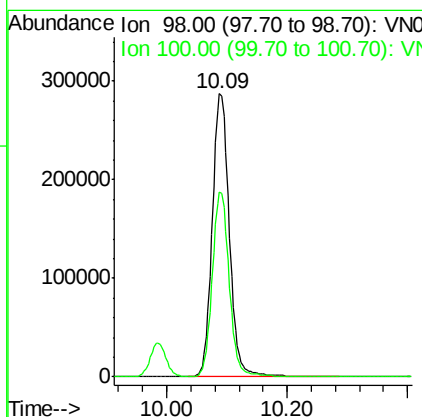
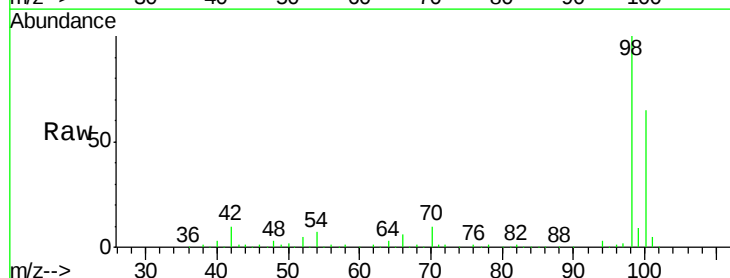
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#50
Toluene-d8
Concen: 50.947 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion	98	Resp	553545
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9





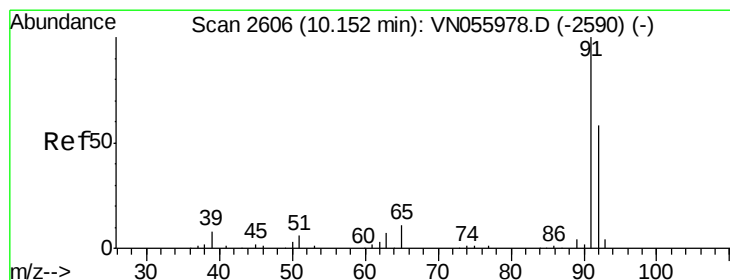
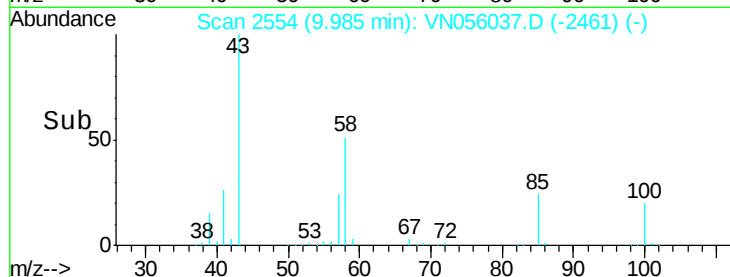
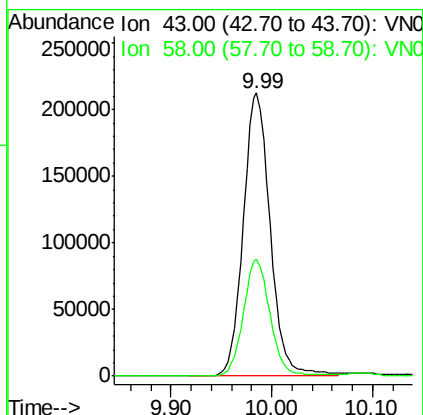
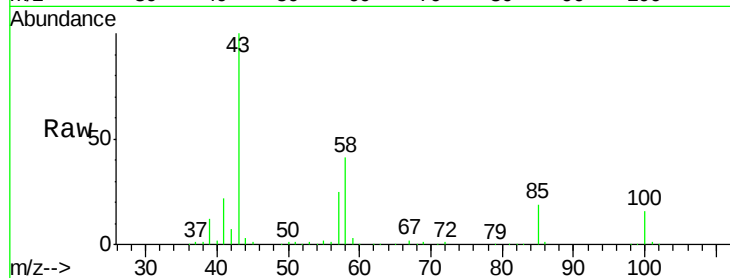
#51
4-Methyl-2-Pentanone
Concen: 109.432 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion: 43 Resp: 390451
Ion Ratio Lower Upper
43 100
58 41.0 32.1 48.1

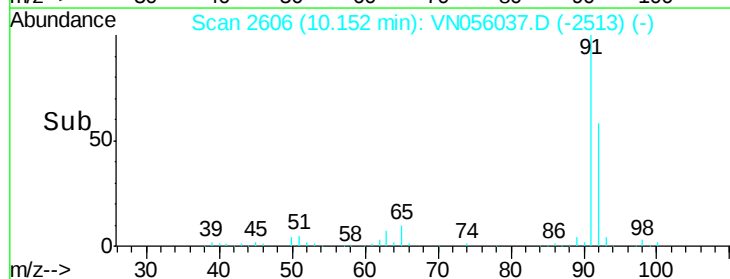
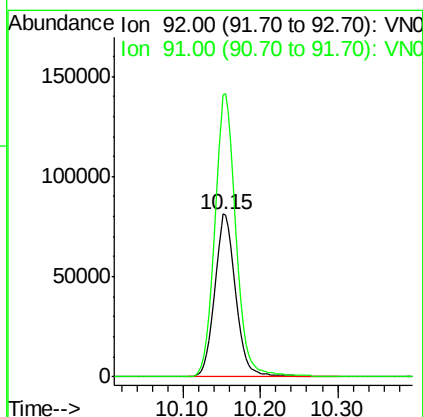
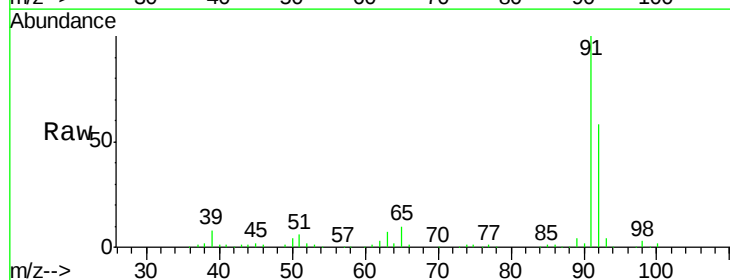
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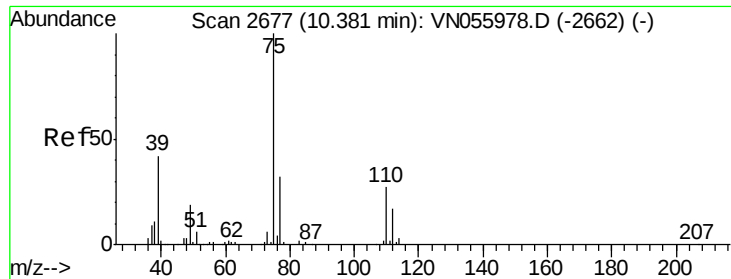
MMDadoda
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#52
Toluene
Concen: 20.923 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion: 92 Resp: 156483
Ion Ratio Lower Upper
92 100
91 175.3 139.4 209.2





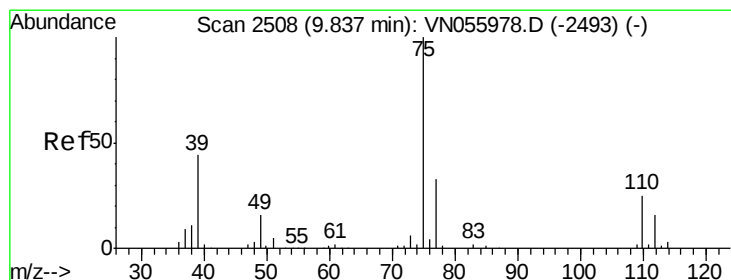
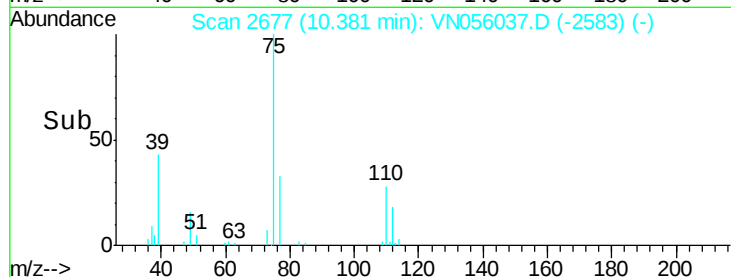
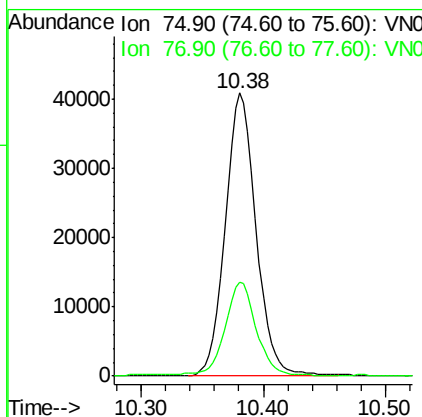
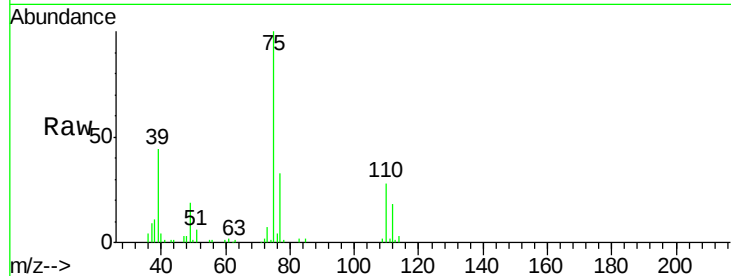
#53
t-1,3-Dichloropropene
Concen: 18.470 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion: 75 Resp: 72214
Ion Ratio Lower Upper
75 100
77 32.8 25.8 38.6

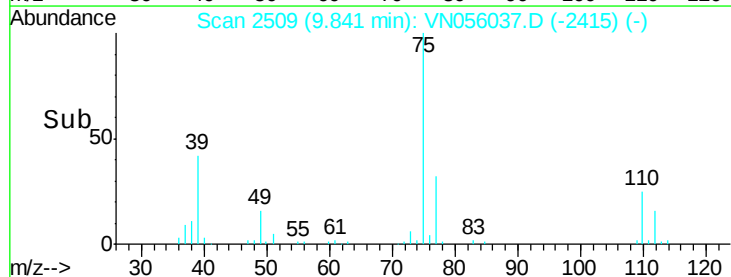
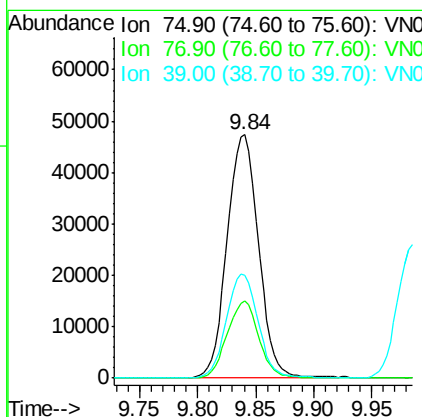
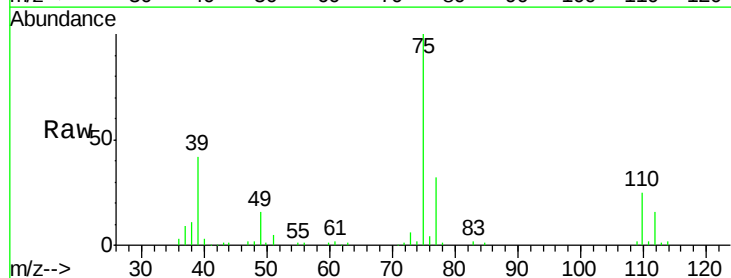
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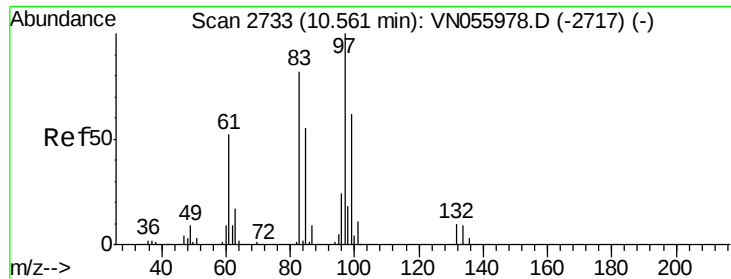
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#54
cis-1,3-Dichloropropene
Concen: 20.308 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion: 75 Resp: 89066
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
39 42.0 36.3 54.5





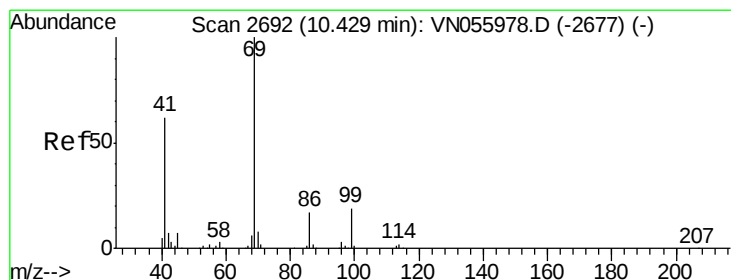
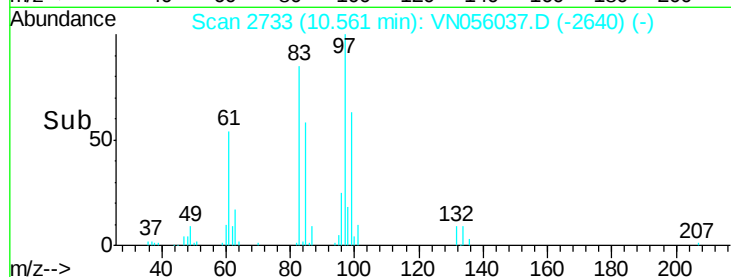
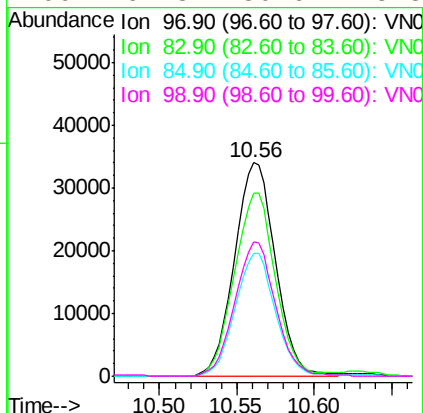
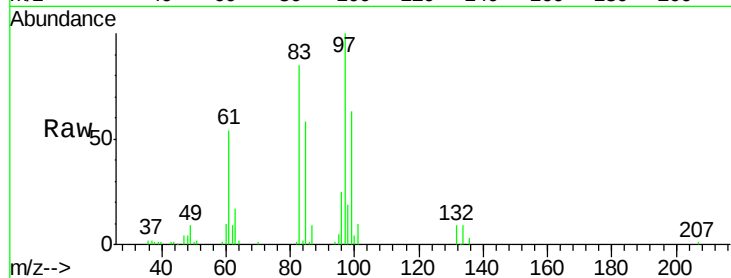
#55
 1,1,2-Trichloroethane
 Concen: 21.138 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0607WBS01

Tot Ion:	97	Resp:	62622
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.0	100.6
85	57.6	44.0	66.0
99	62.8	50.6	75.8

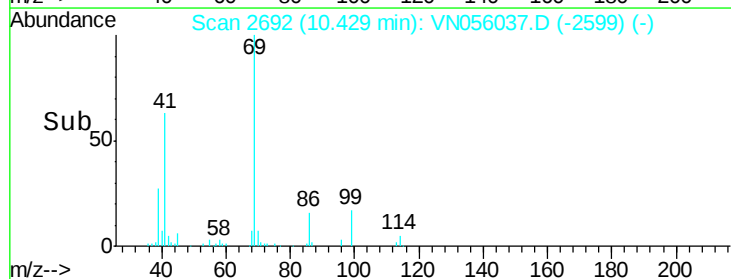
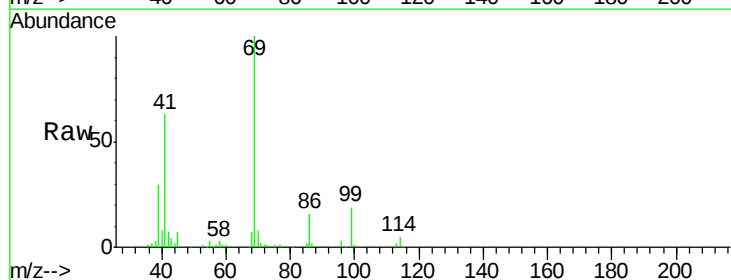
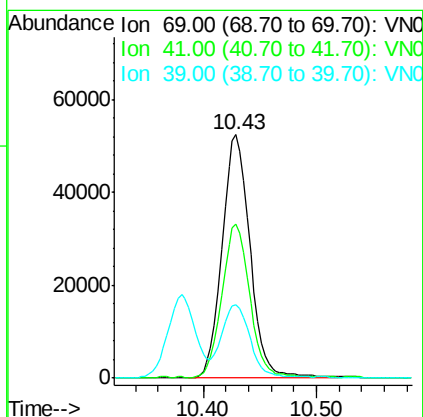
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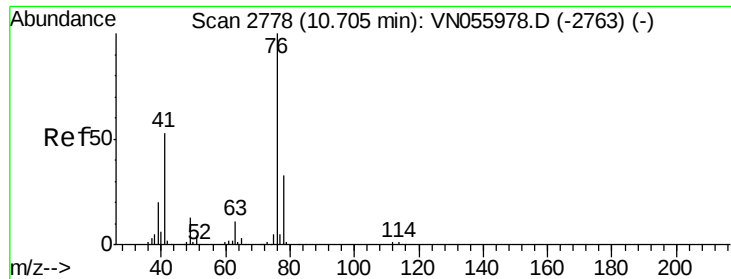
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#56
 Ethyl methacrylate
 Concen: 20.950 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Tgt Ion:	69	Resp:	90547
Ion	Ratio	Lower	Upper
69	100		
41	62.3	49.7	74.5
39	30.0	24.7	37.1





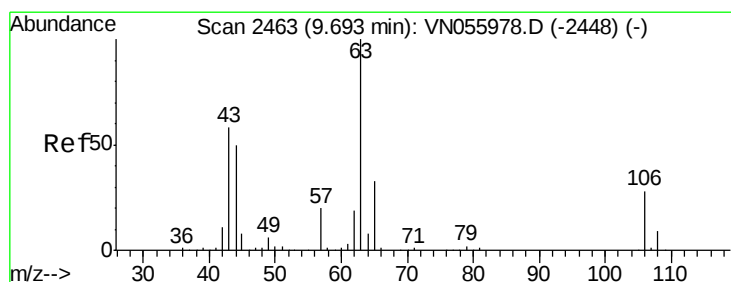
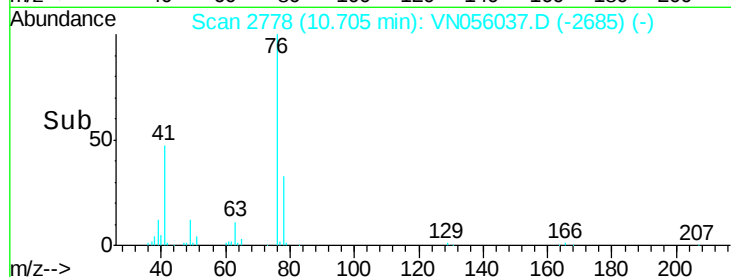
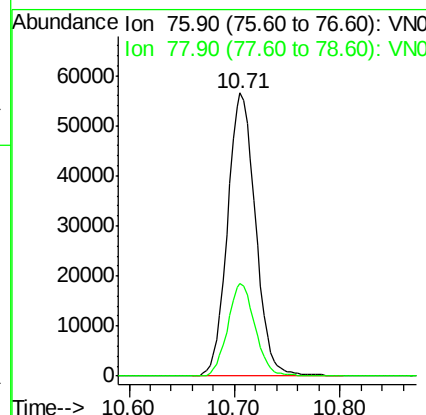
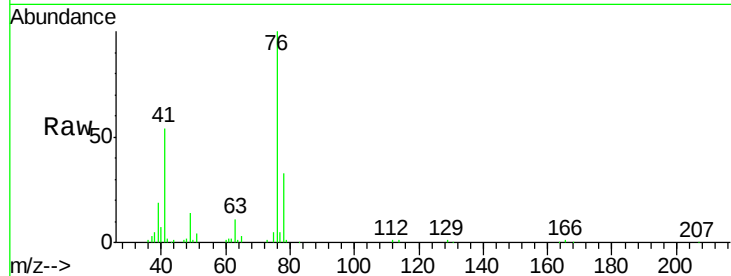
#57
 1,3-Dichloropropane
 Concen: 21.545 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS01

Tot Ion: 76 Resp: 103761
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6

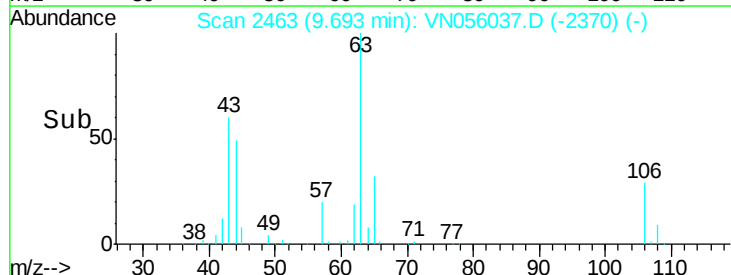
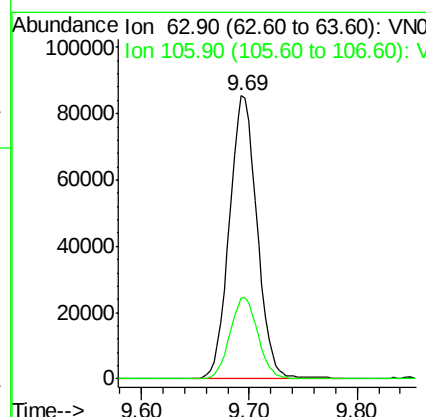
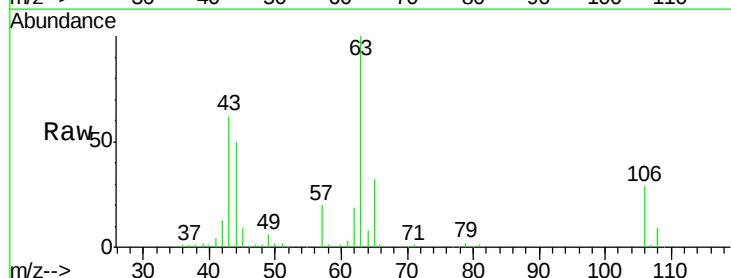
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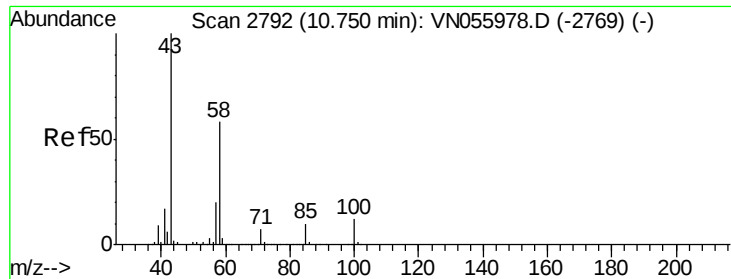
MMDadoda
 6/7/2019 9:36:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.868 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Tgt Ion: 63 Resp: 153035
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.7 34.1





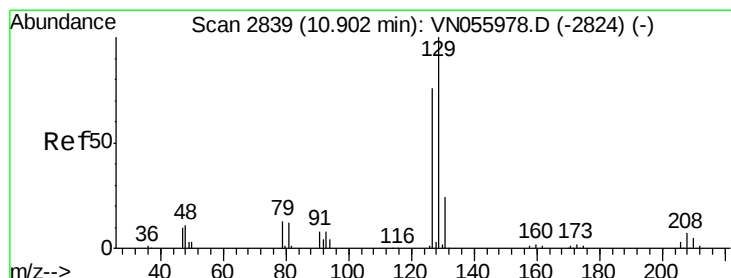
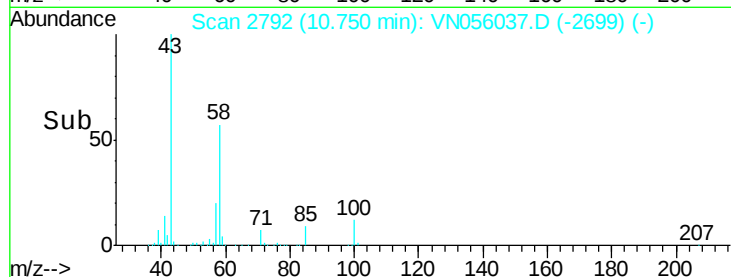
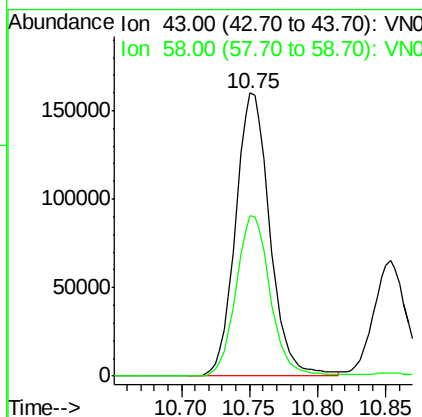
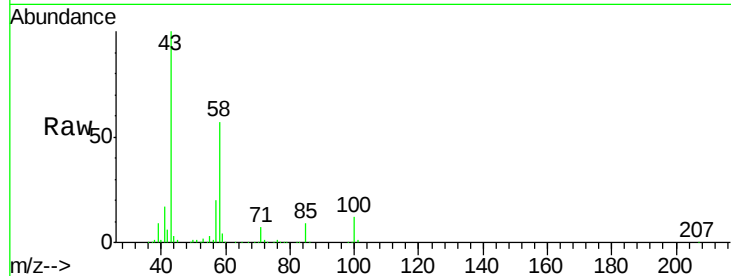
#59
2-Hexanone
Concen: 107.564 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion: 43 Resp: 278160
Ion Ratio Lower Upper
43 100
58 56.9 28.2 84.7

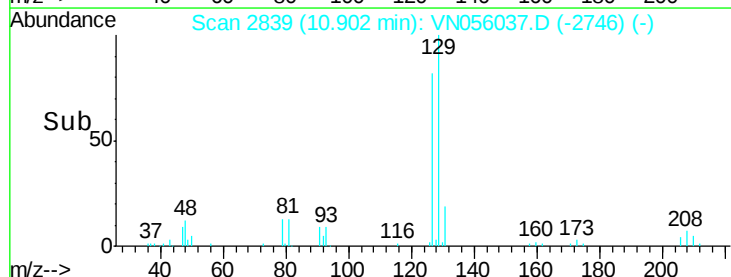
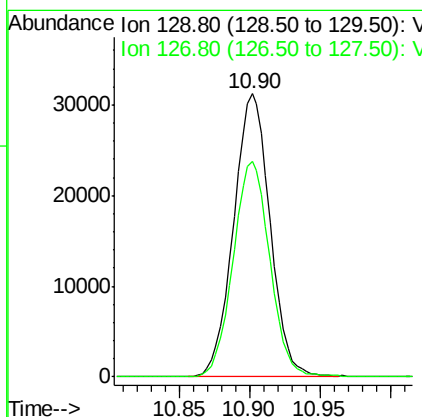
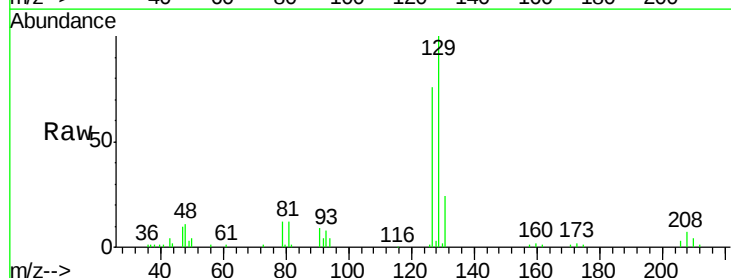
Manual Integrations
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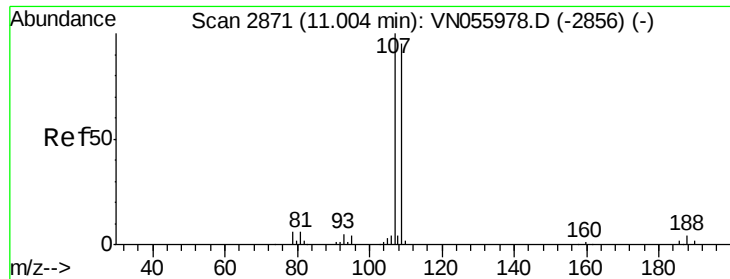
MMDadoda
6/7/2019 9:36:55 AM



#60
Dibromochloromethane
Concen: 18.948 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion: 129 Resp: 56677
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3





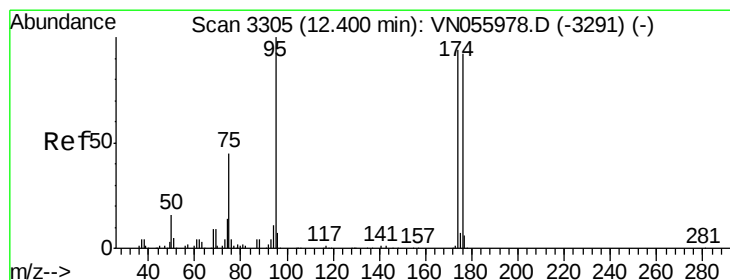
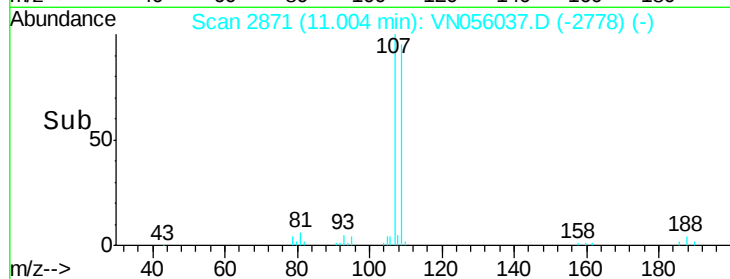
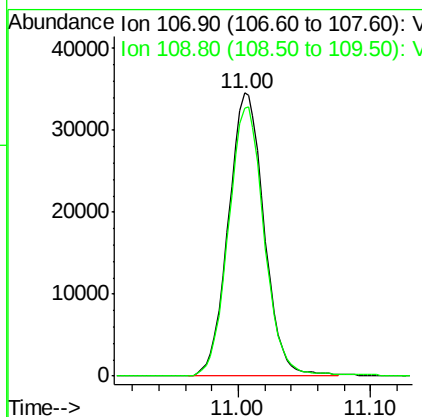
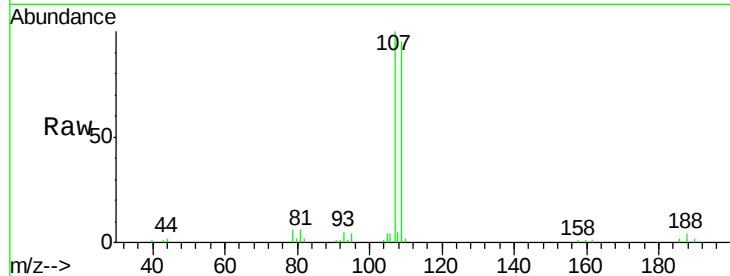
#61
 1,2-Dibromoethane
 Concen: 21.283 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS01

Tot Ion: 107 Resp: 64456
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.8 112.2

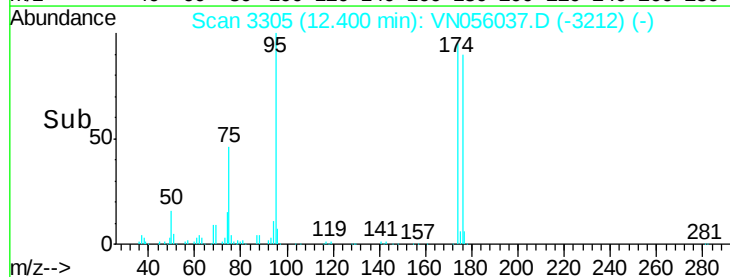
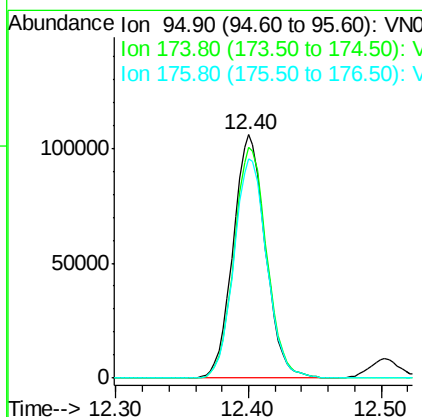
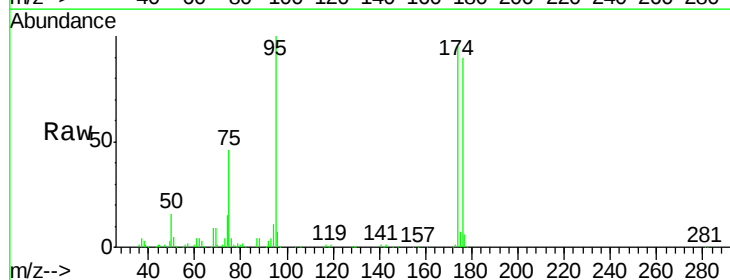
Manual Integrations
 APPROVED

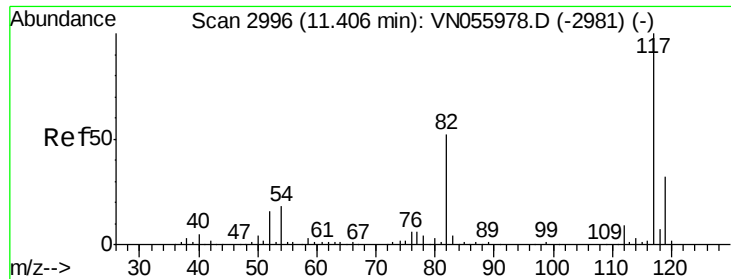
MMDadoda
 6/7/2019 9:36:55 AM



#62
 4-Bromofluorobenzene
 Concen: 48.499 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Tgt Ion: 95 Resp: 179200
 Ion Ratio Lower Upper
 95 100
 174 96.0 0.0 191.0
 176 91.5 0.0 185.2





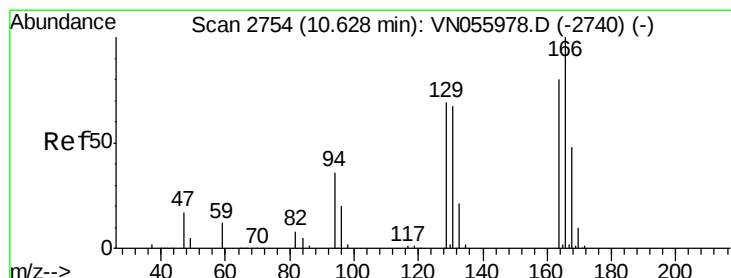
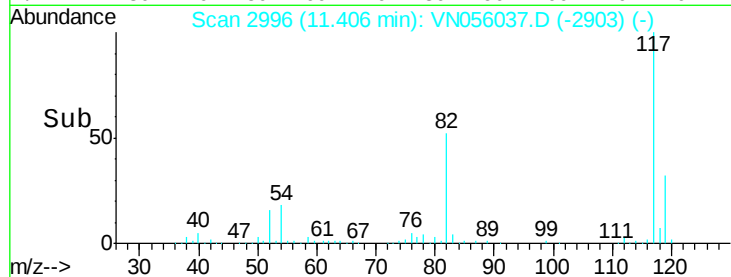
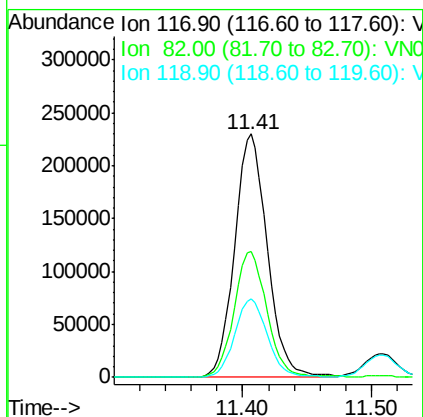
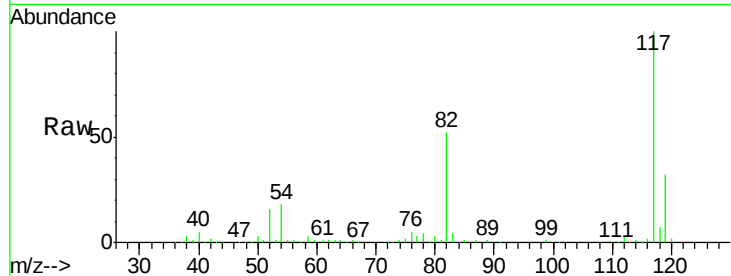
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.8	62.8
119	32.1	25.4	38.0

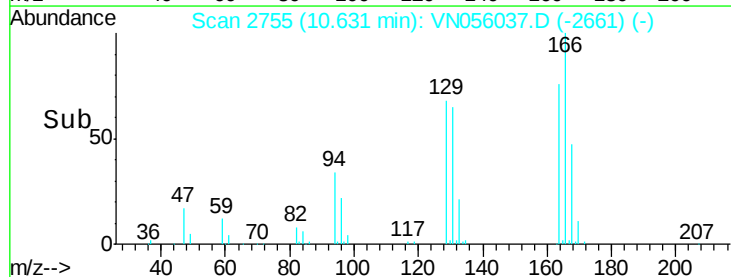
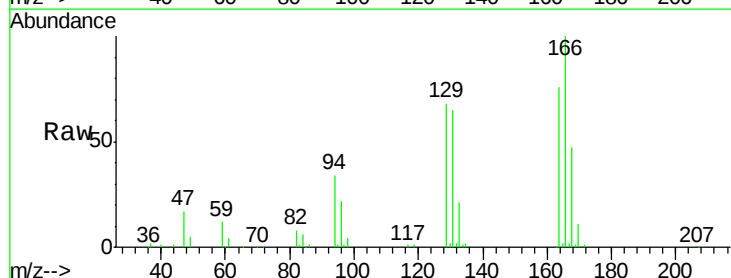
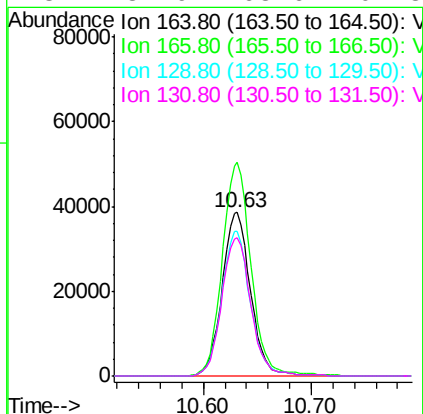
Manual Integrations
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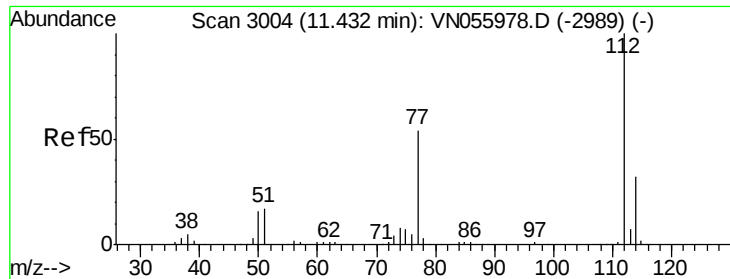
MMDadoda
6/7/2019 9:36:55 AM



#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	103.0	154.6
129	88.9	70.6	105.8
131	84.9	68.6	102.8





#65

Chlorobenzene

Concen: 20.525 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

ClientSampled :

VN0607WBS01

Tot Ion:112 Resp: 165686

Ion Ratio Lower Upper

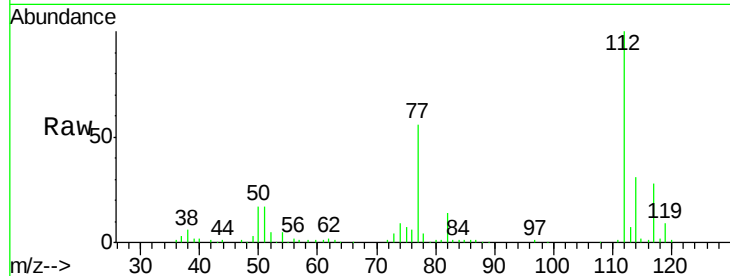
112 100

114 31.5 26.2 39.4

Manual Integrations
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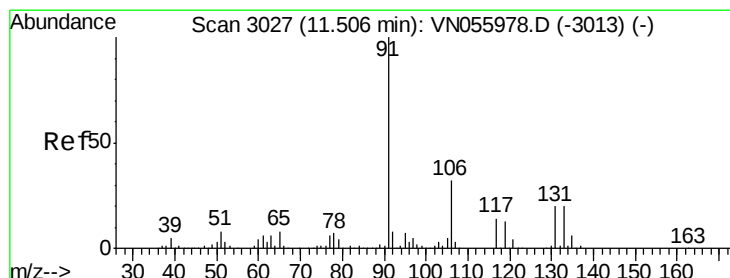
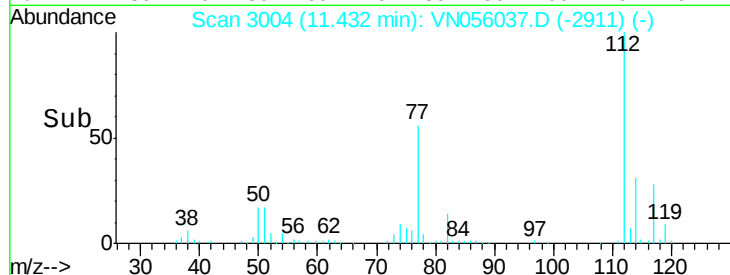
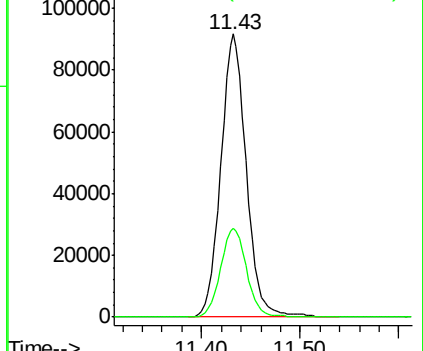
MMDadoda

6/7/2019 9:36:55 AM



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: 20.504 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

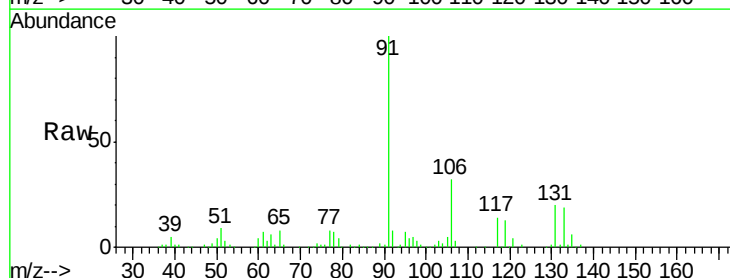
Tgt Ion:131 Resp: 57150

Ion Ratio Lower Upper

131 100

133 95.8 48.0 144.0

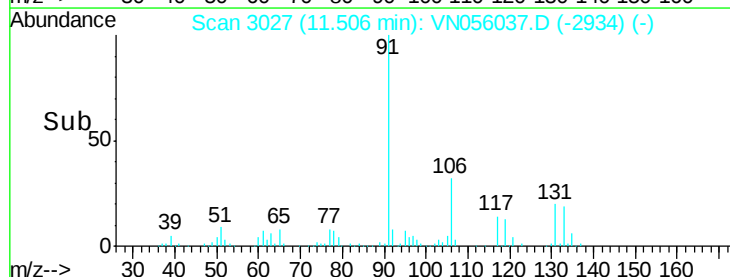
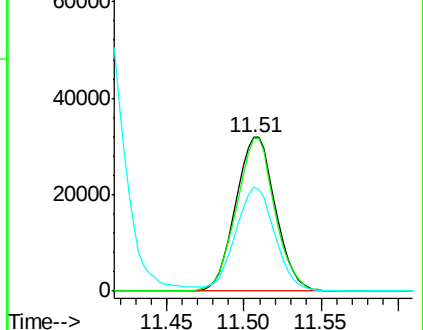
119 67.1 33.1 99.5

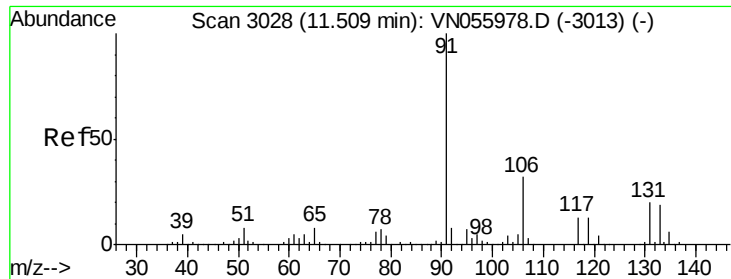


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





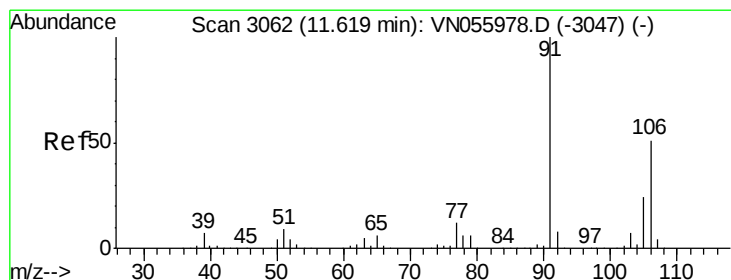
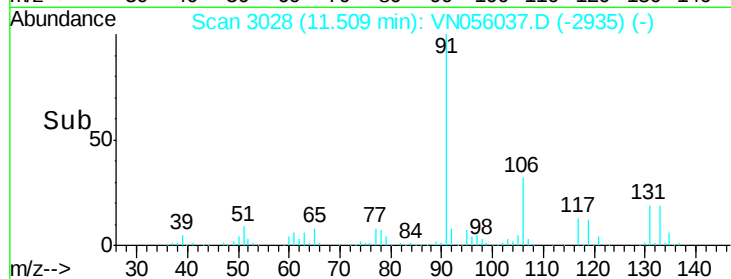
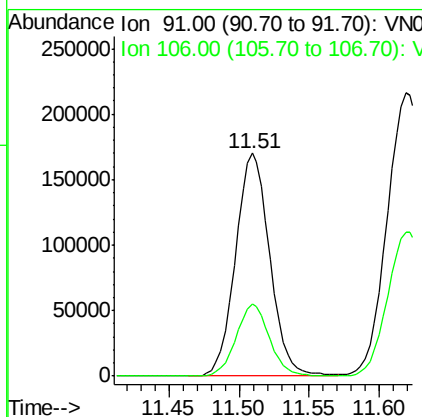
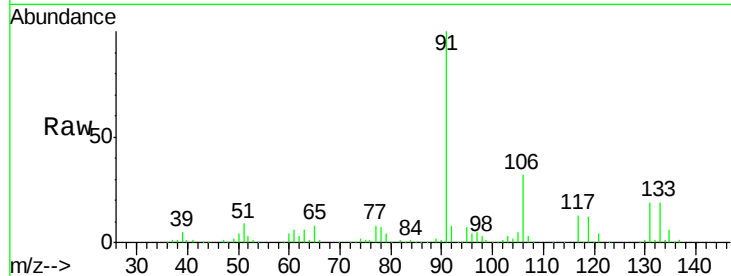
#67
Ethyl Benzene
Concen: 20.634 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS01

Tot Ion: 91 Resp: 289632
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7

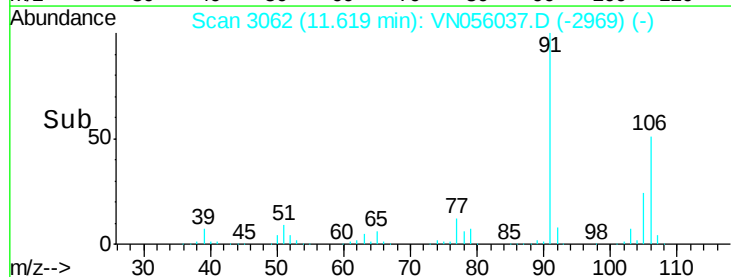
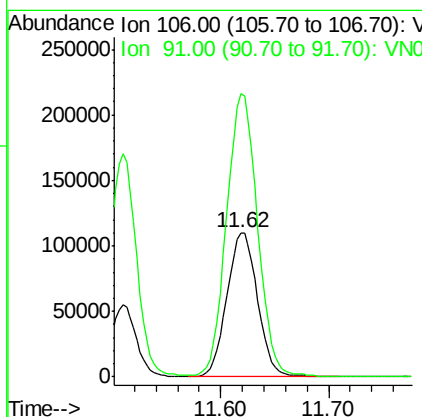
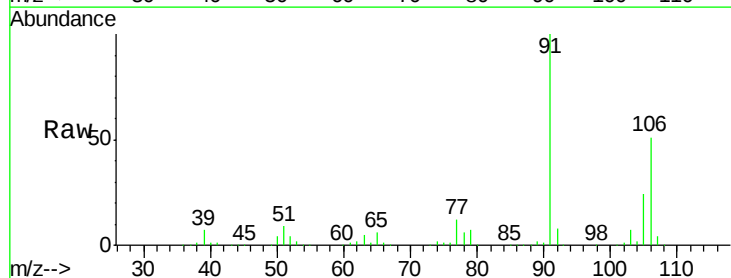
Manual Integrations
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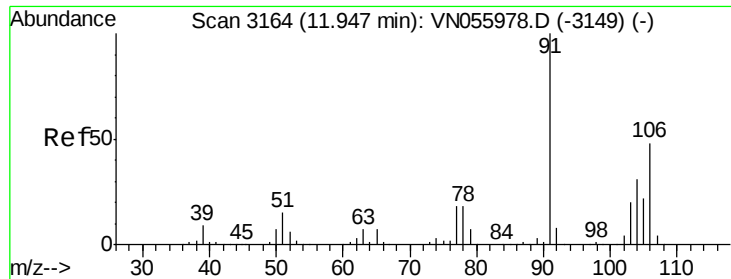
MMDadoda
6/7/2019 9:36:55 AM



#68
m/p-Xylenes
Concen: 40.738 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion: 106 Resp: 218443
Ion Ratio Lower Upper
106 100
91 199.1 159.3 238.9





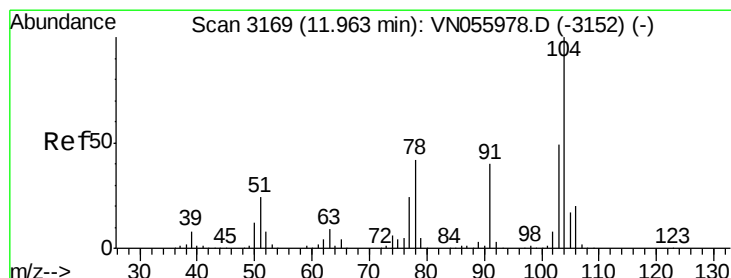
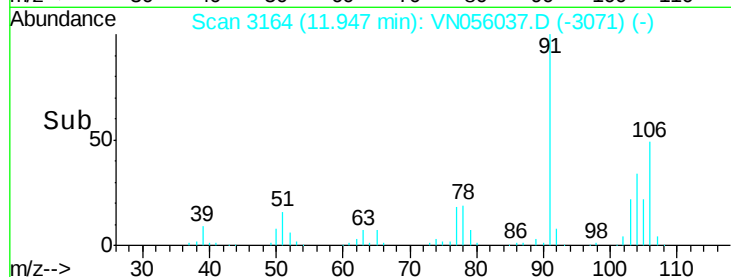
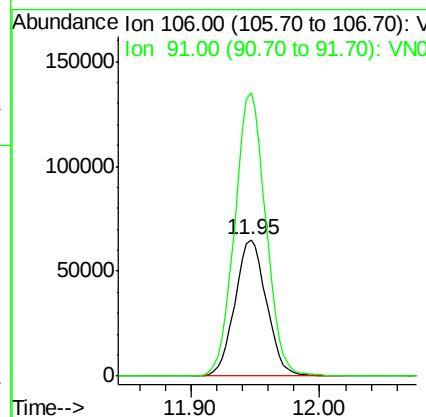
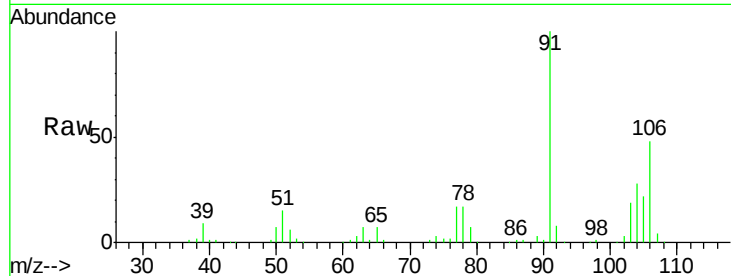
#69
o-Xylene
Concen: 21.017 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion:106 Resp: 110853
Ion Ratio Lower Upper
106 100
91 204.5 104.7 314.1

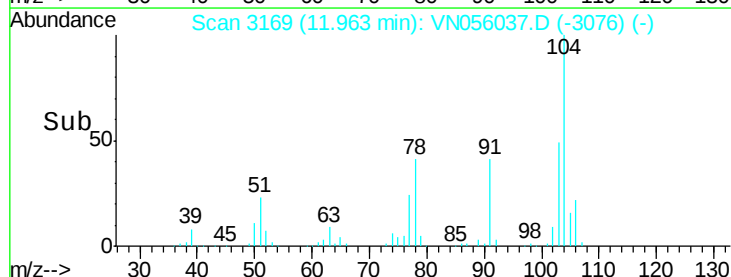
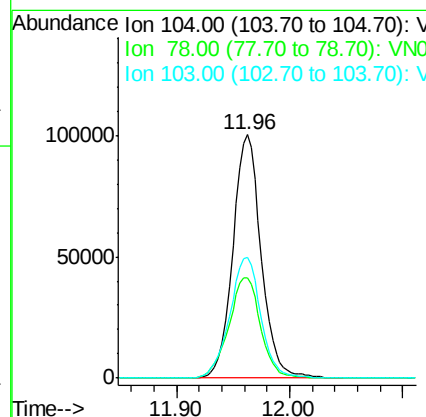
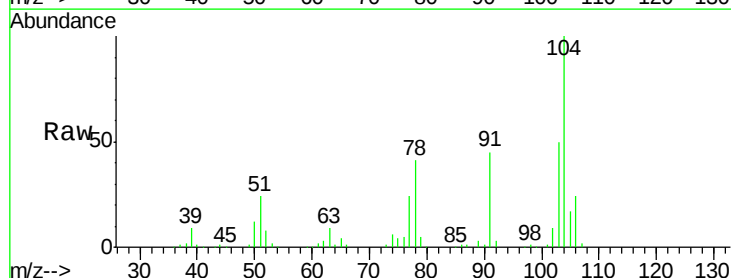
Manual Integrations
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6/7/2019 9:36:55 AM



#70
Styrene
Concen: 20.794 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion:104 Resp: 174266
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 54.6 44.2 66.2





#71

Bromoform

Concen: 18.320 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

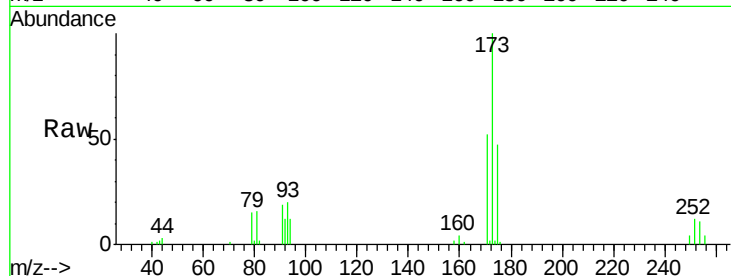
ClientSampleId :

VN0607WBS01

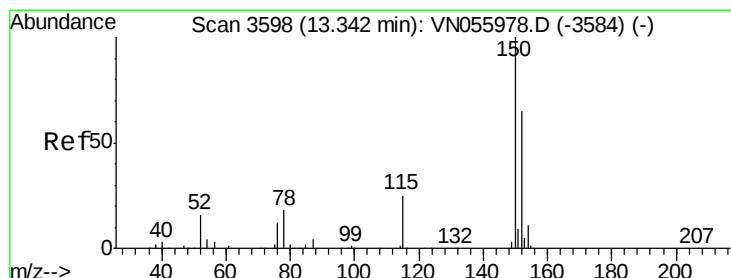
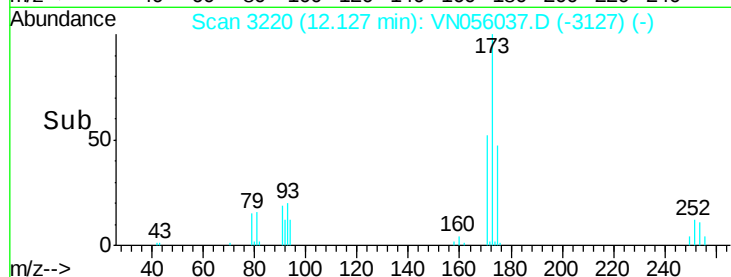
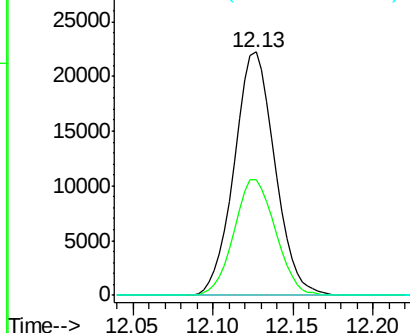
Tot Ion:173	Resp:	38569
Ion Ratio	Lower	Upper
173 100		
175 48.3	24.3	72.8
254 0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

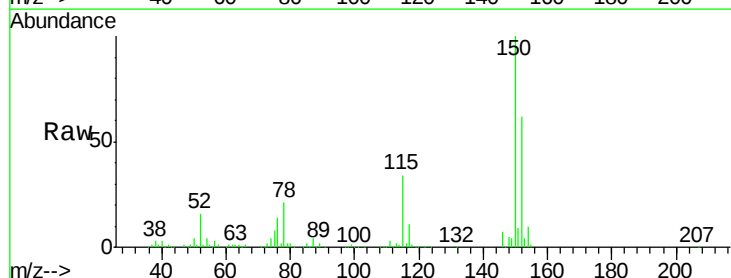
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

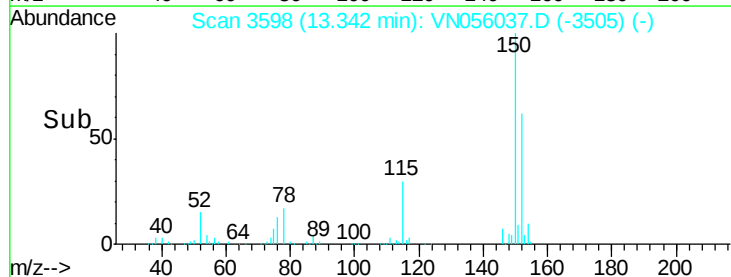
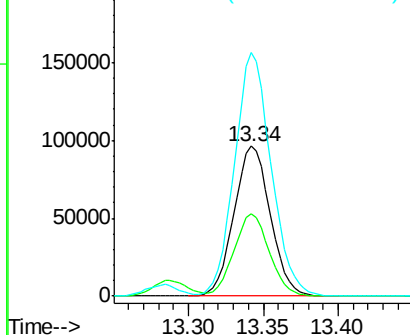
Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Tgt Ion:152	Resp:	162440
Ion Ratio	Lower	Upper
152 100		
115 53.7	27.0	81.0
150 164.3	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.564 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS01

Tot Ion: 105 Resp: 287662

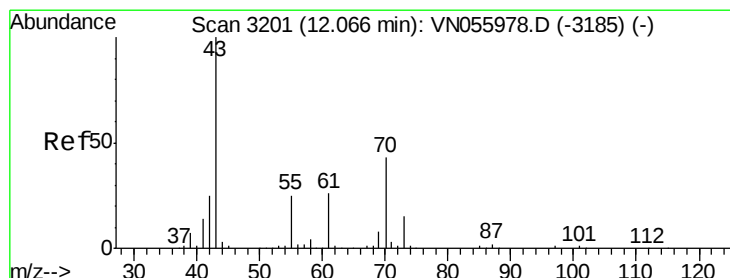
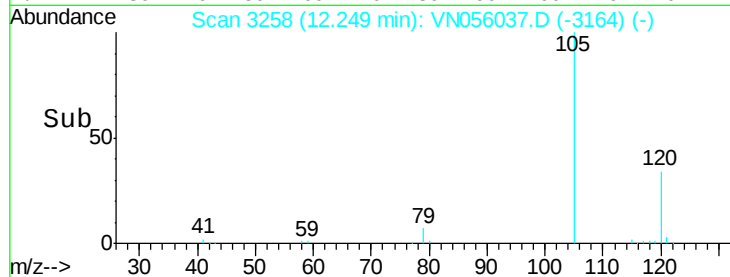
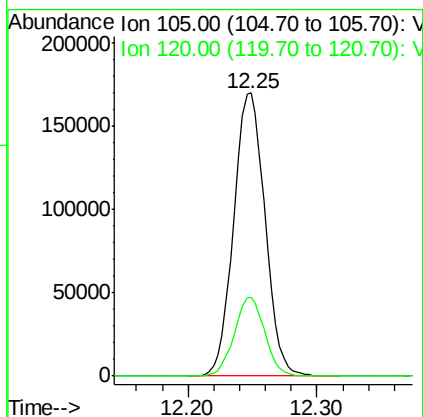
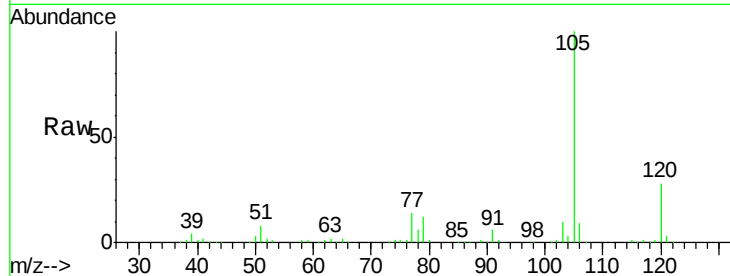
Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 22.152 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Tgt Ion: 43 Resp: 95920

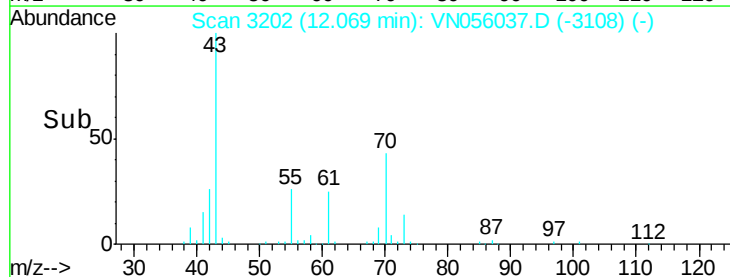
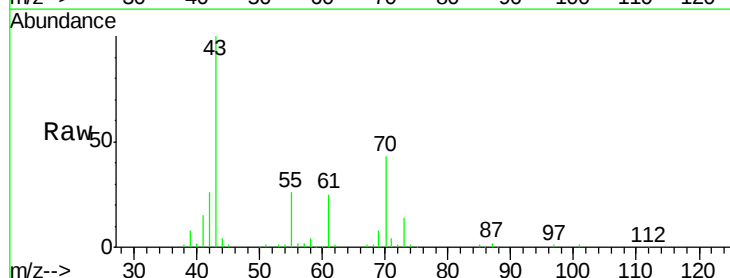
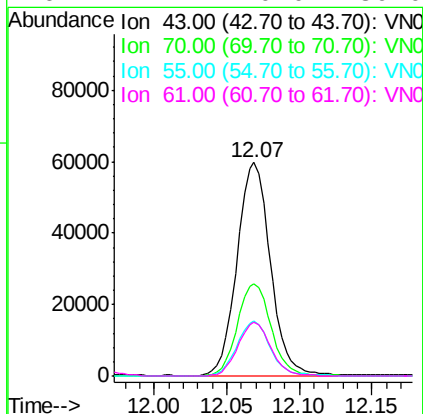
Ion Ratio Lower Upper

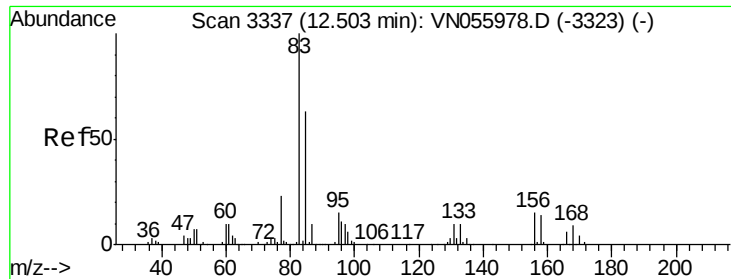
43 100

70 43.7 34.0 51.0

55 25.7 18.6 28.0

61 24.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.048 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

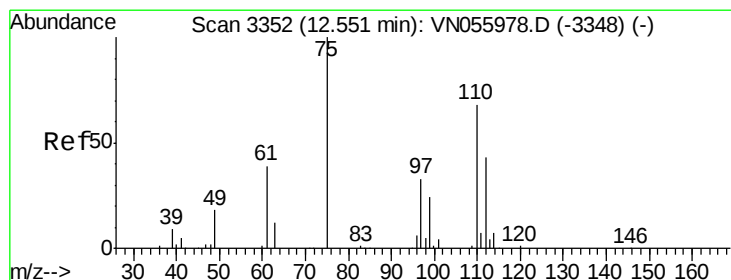
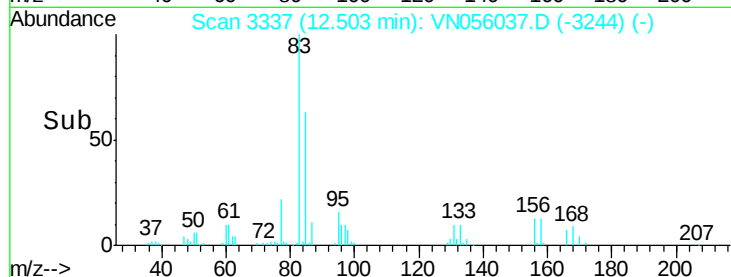
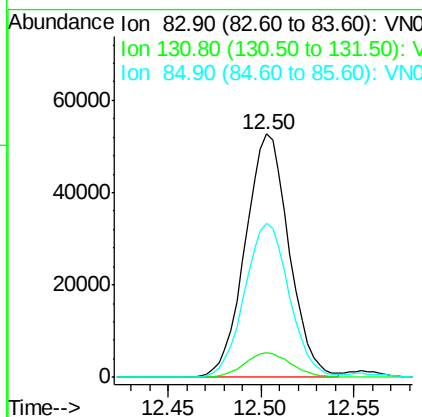
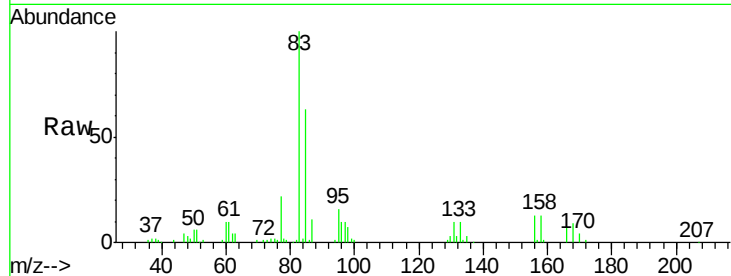
ClientSampleId :

VN0607WBS01

Tot Ion:	83	Resp:	86911
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.4	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 23.598 ug/l m

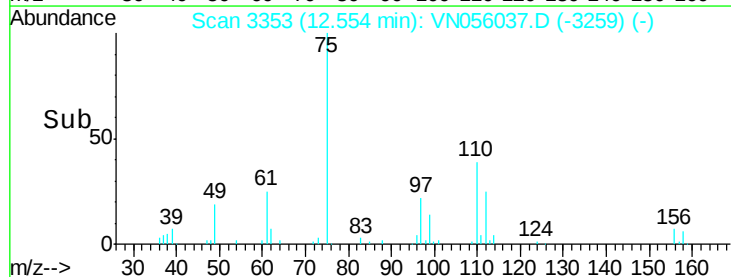
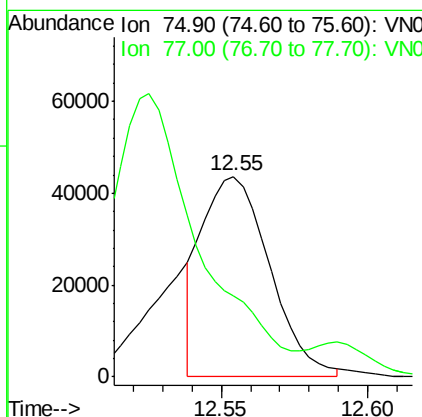
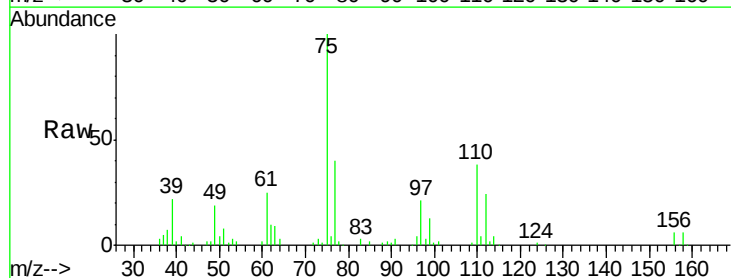
RT: 12.55 min Scan# 3353

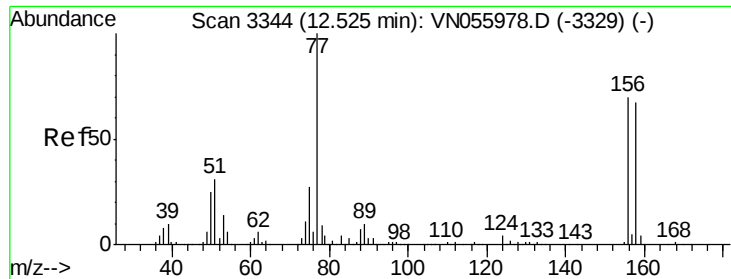
Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Tgt Ion:	75	Resp:	70534
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.519 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

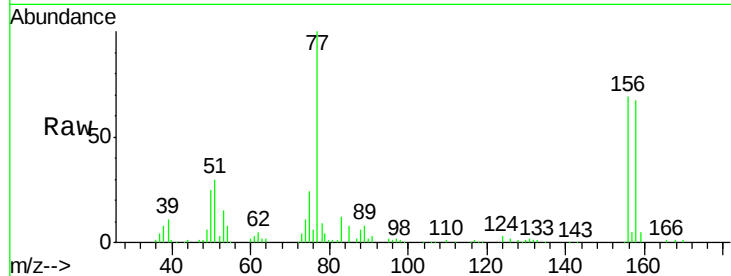
ClientSampleId :

VN0607WBS01

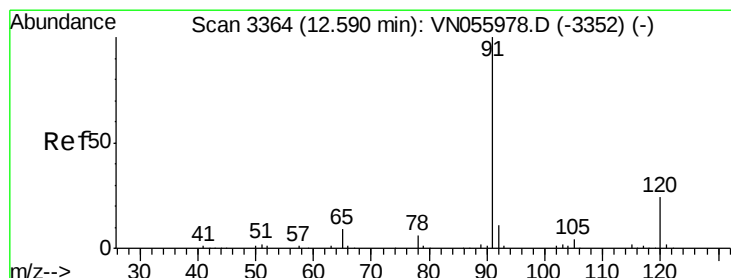
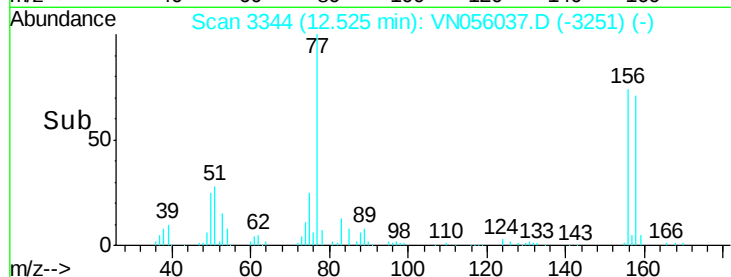
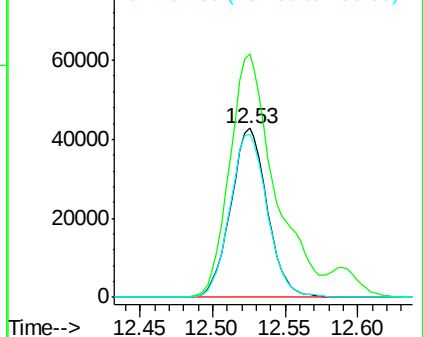
Tot Ion:156 Resp: 74840
 Ion Ratio Lower Upper
 156 100
 77 178.0 90.8 272.5
 158 98.4 49.3 147.8

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Abundance Ion 155.80 (155.50 to 156.50): V
 Ion 77.00 (76.70 to 77.70): VN
 Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.377 ug/l

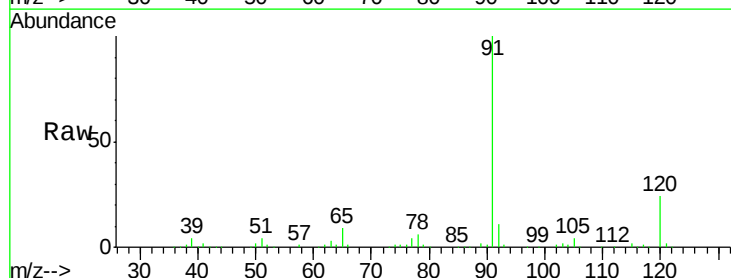
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

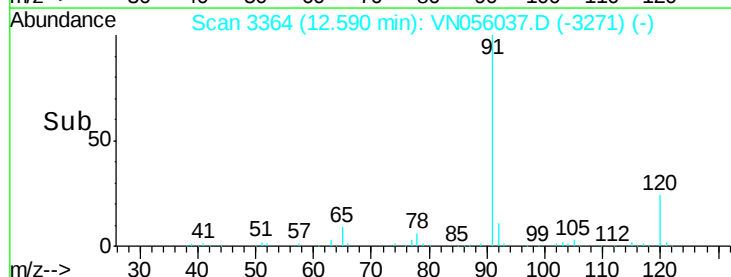
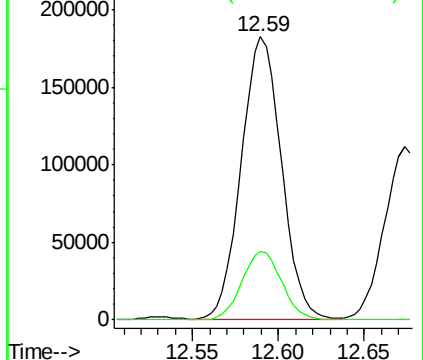
Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Tgt Ion: 91 Resp: 293767
 Ion Ratio Lower Upper
 91 100
 120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
 Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.942 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS01

Tot Ion: 91 Resp: 184453

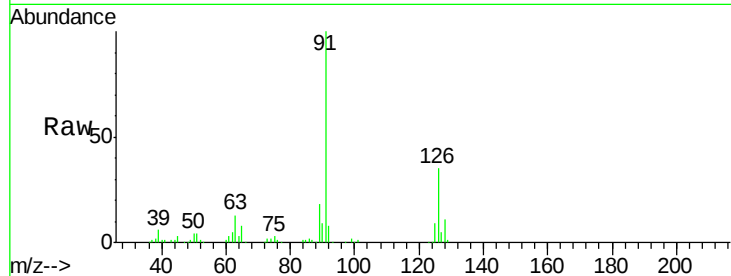
Ion Ratio Lower Upper

91 100

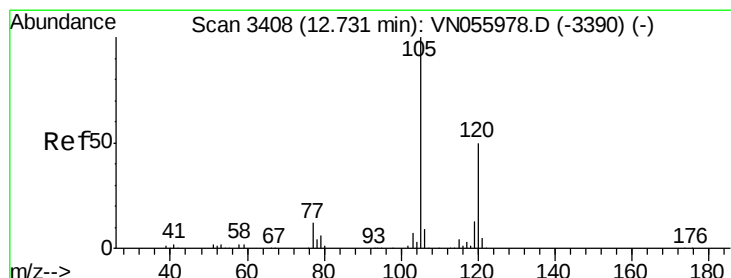
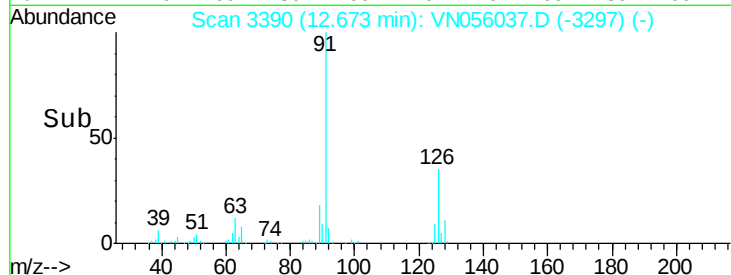
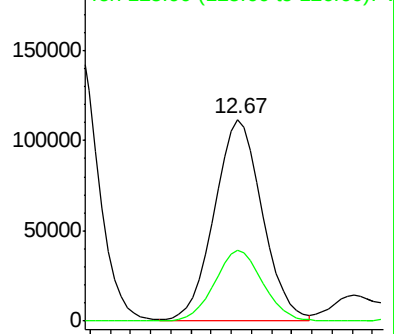
126 35.6 18.1 54.4

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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.304 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056037.D

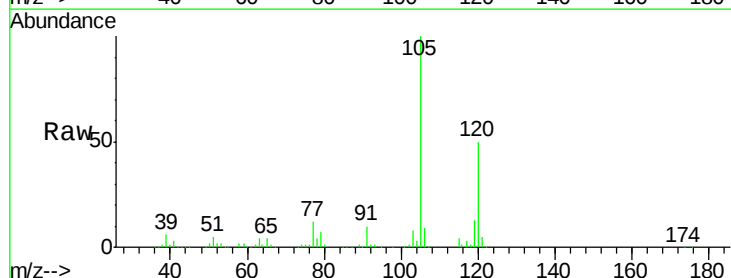
Acq: 6 Jun 2019 11:34

Tgt Ion: 105 Resp: 232680

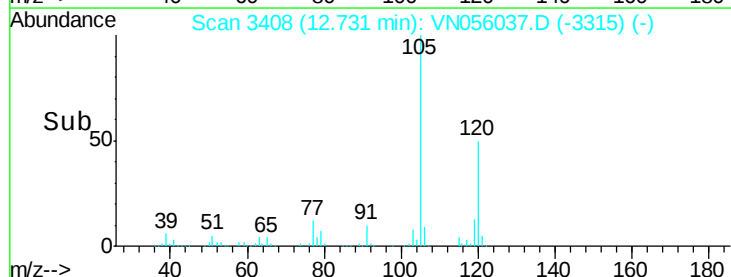
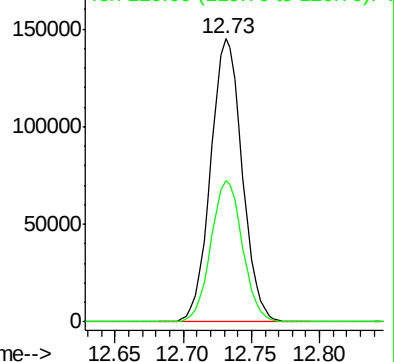
Ion Ratio Lower Upper

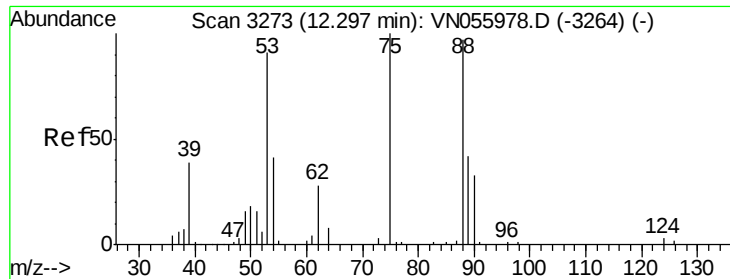
105 100

120 49.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.946 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS01

Tot Ion: 75 Resp: 17902

Ion Ratio Lower Upper

75 100

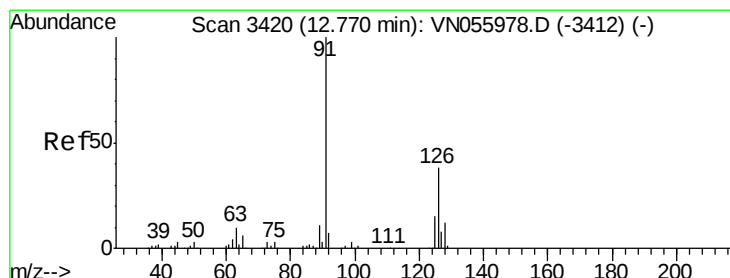
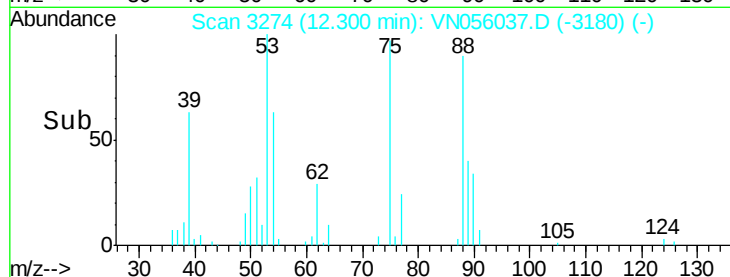
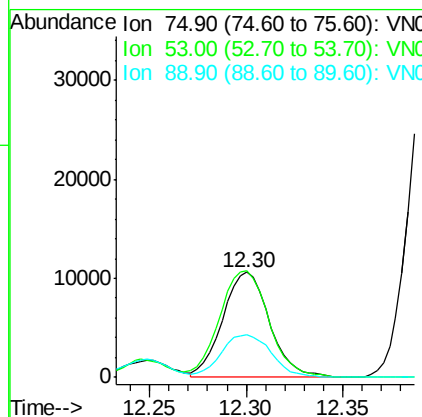
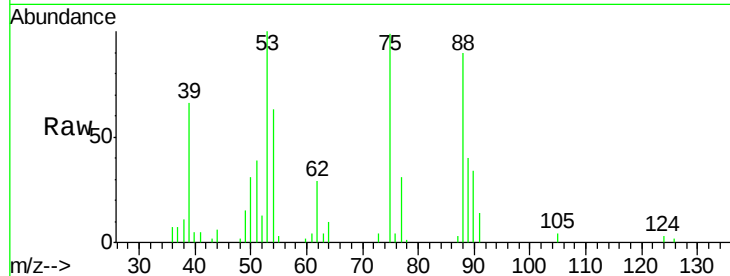
53 106.9 68.1 102.1#

89 43.4 36.9 55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.328 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056037.D

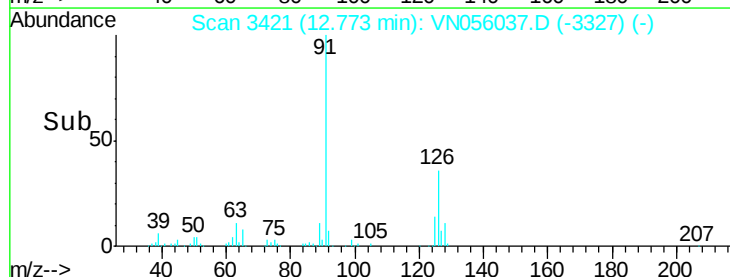
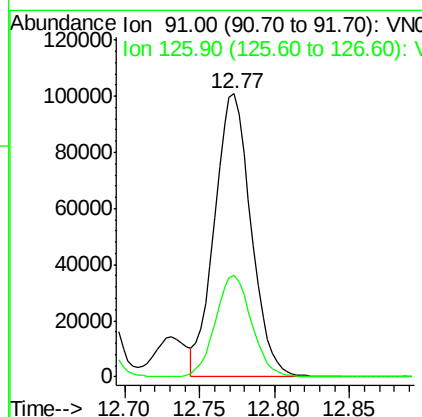
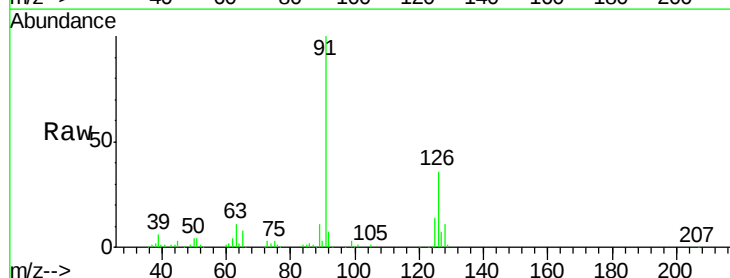
Acq: 6 Jun 2019 11:34

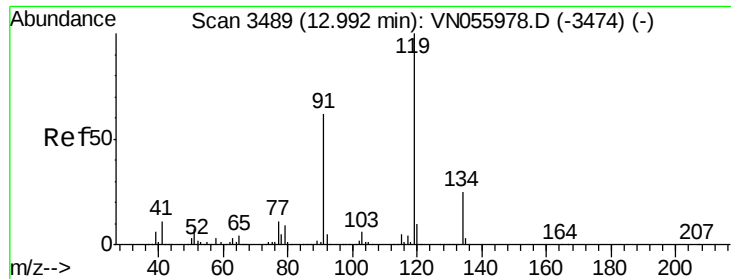
Tgt Ion: 91 Resp: 171474

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.3





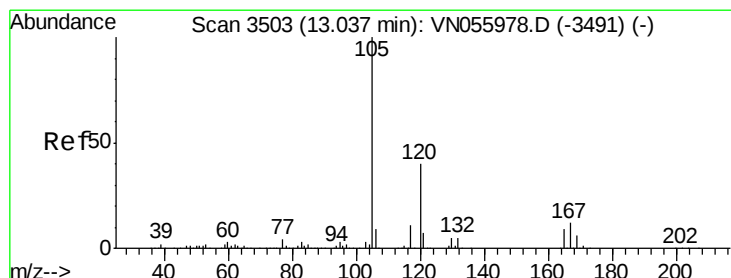
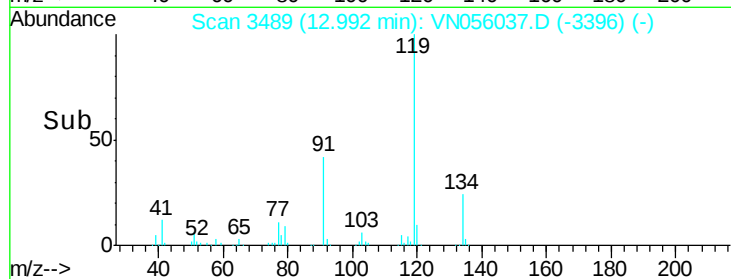
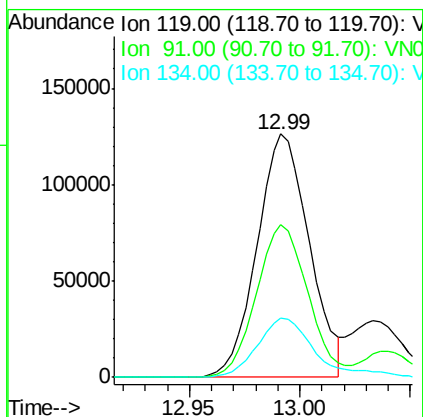
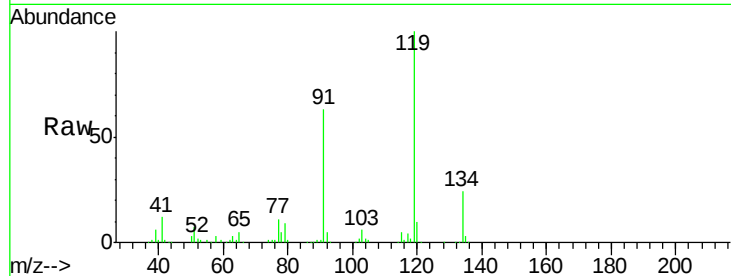
#83
tert-Butylbenzene
Concen: 22.980 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	207231		
91	61.9		30.9	92.8
134	26.8		13.3	39.8

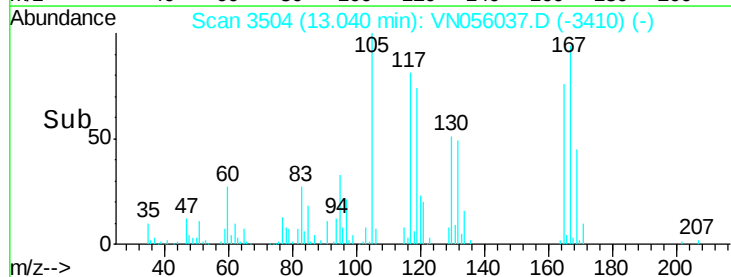
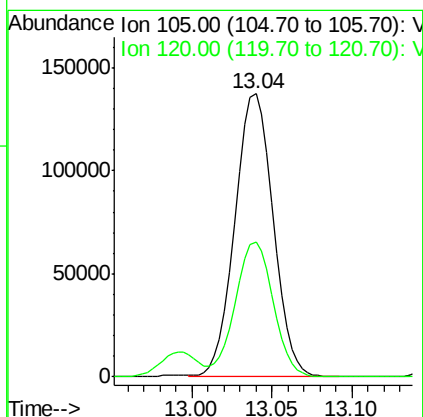
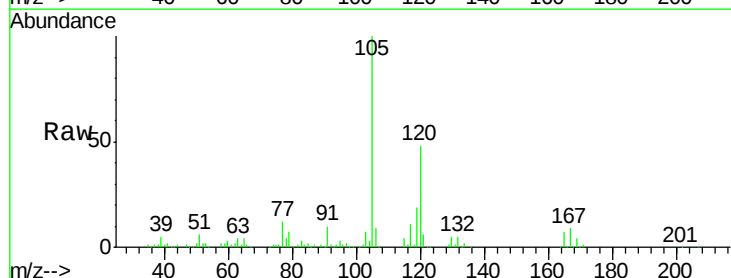
Manual Integrations
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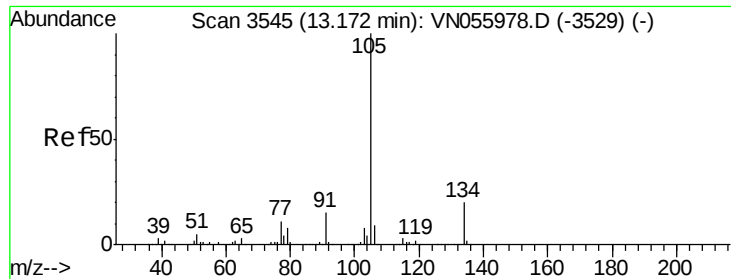
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#84
1,2,4-Trimethylbenzene
Concen: 21.538 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	223073		
120	47.4		23.0	69.0





#85

sec-Butylbenzene

Concen: 21.631 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS01

Tot Ion:105 Resp: 263256

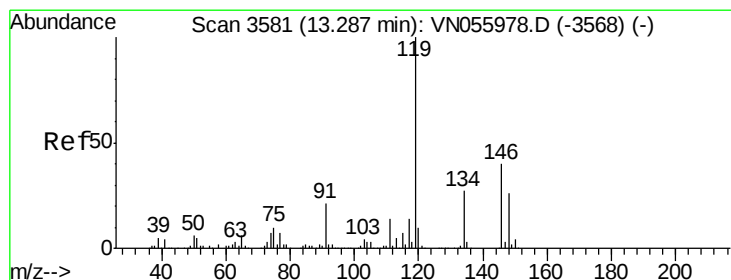
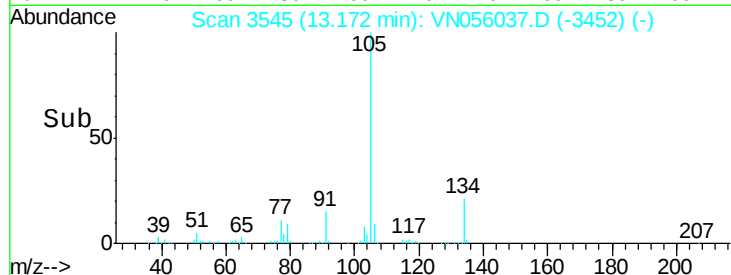
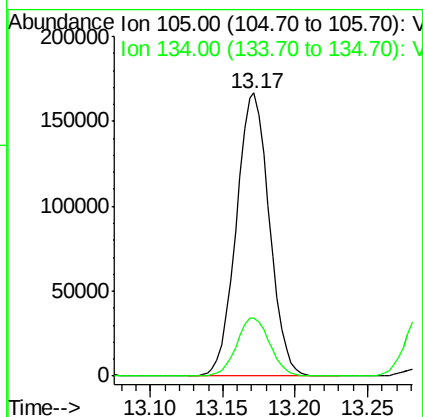
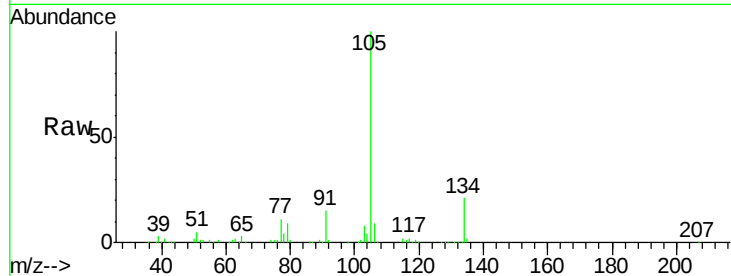
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 21.275 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

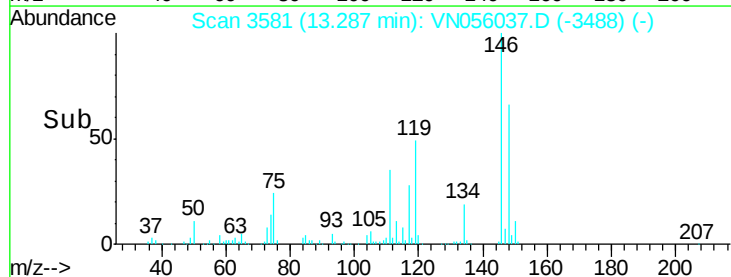
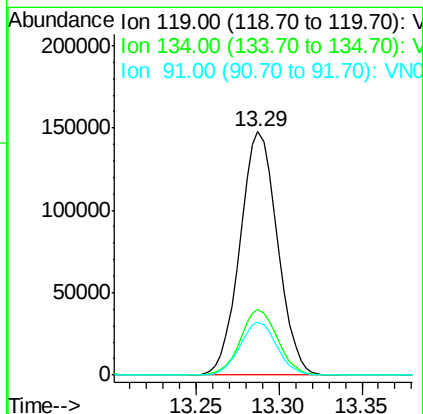
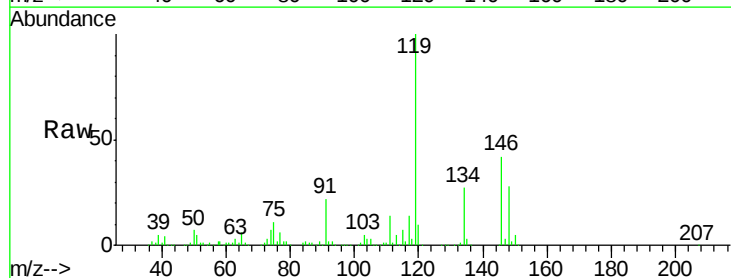
Tgt Ion:119 Resp: 231723

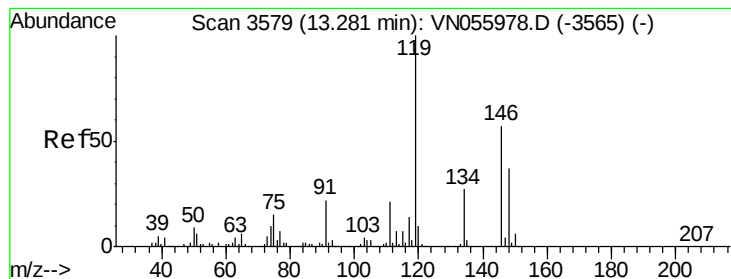
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.4 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 21.095 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

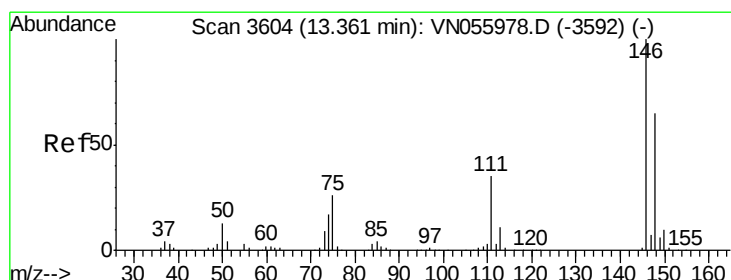
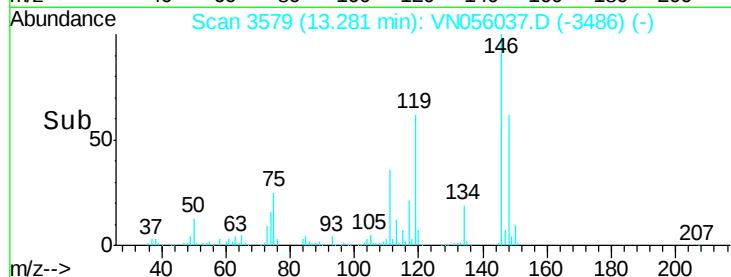
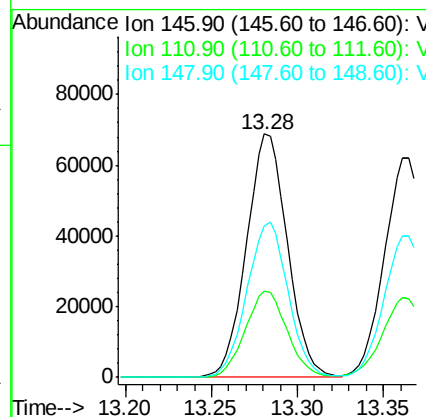
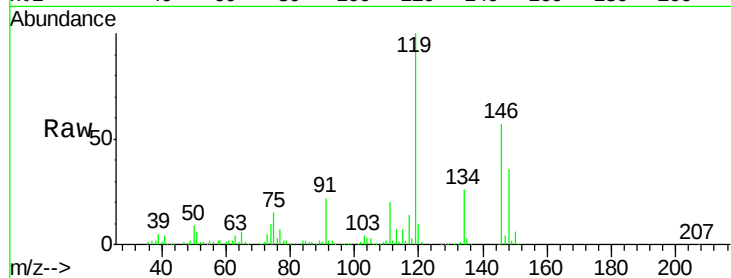
ClientSampleId :

VN0607WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.5	55.5
148	64.2	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.335 ug/l

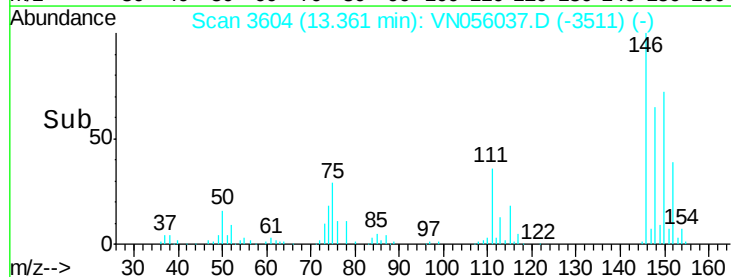
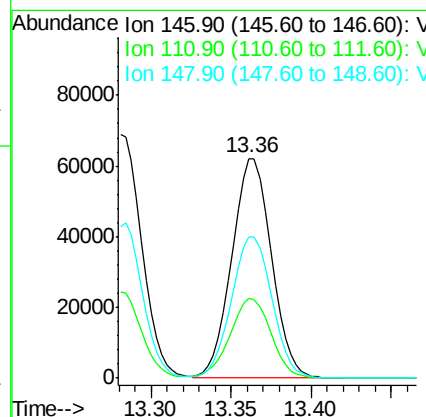
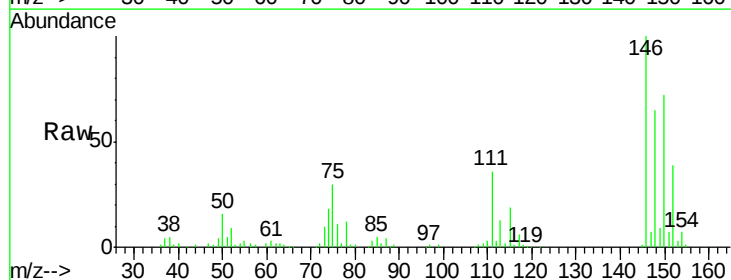
RT: 13.36 min Scan# 3604

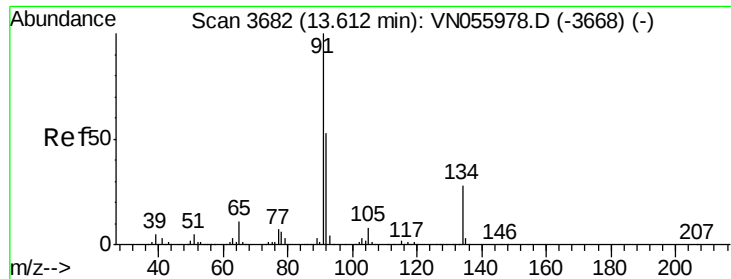
Delta R.T. -0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.4
148	65.7	32.1	96.5





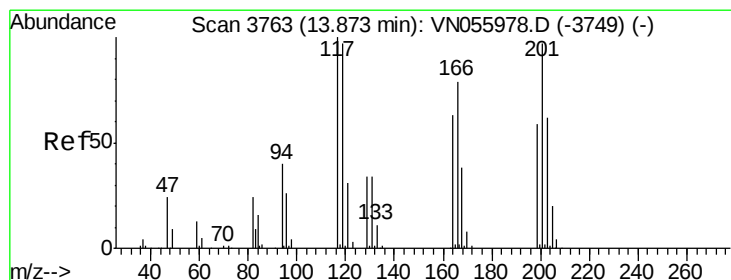
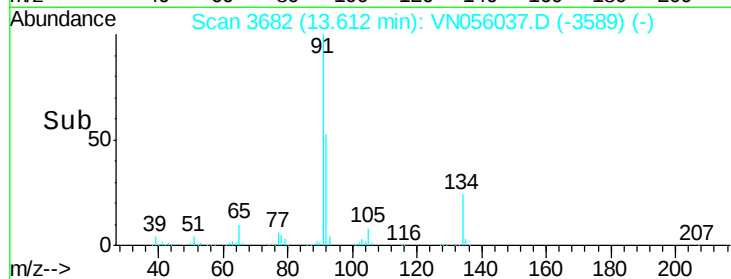
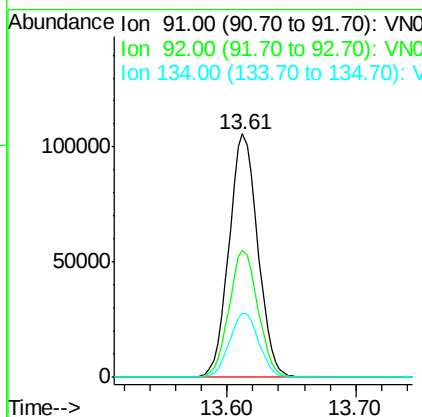
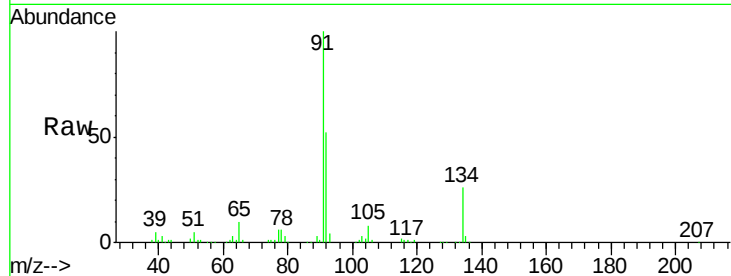
#89
n-Butylbenzene
Concen: 20.293 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.0
134	26.9	13.9	41.7

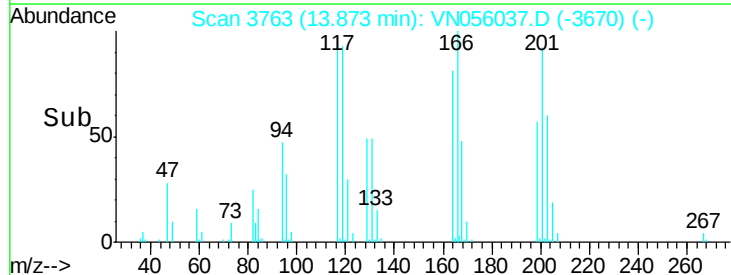
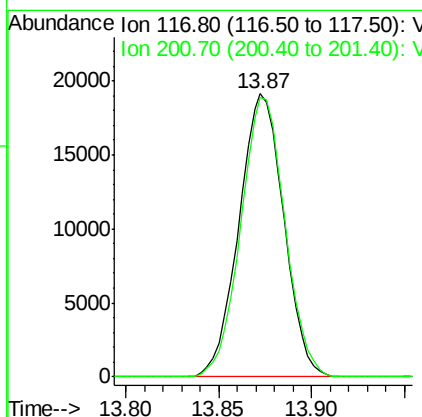
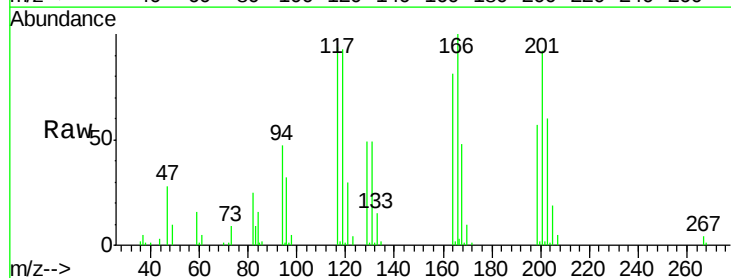
Manual Integrations
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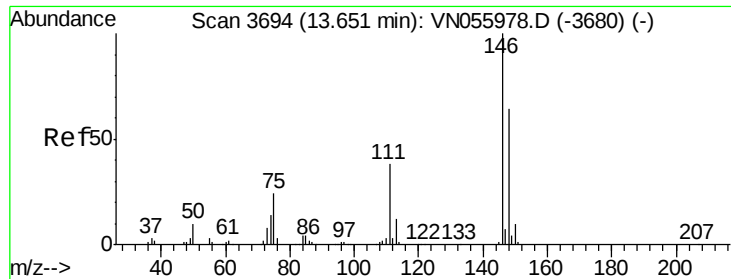
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#90
Hexachloroethane
Concen: 19.564 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056037.D
Acq: 6 Jun 2019 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.5	50.0	150.0





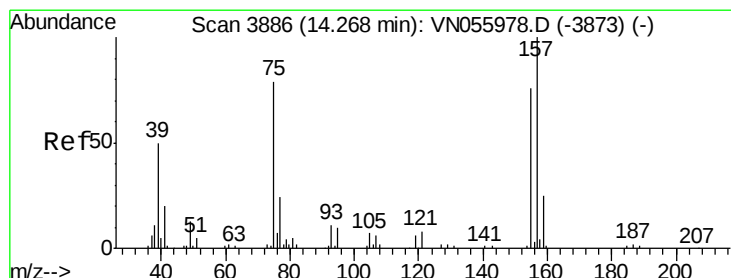
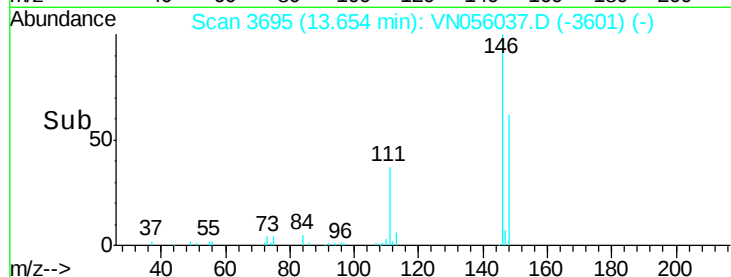
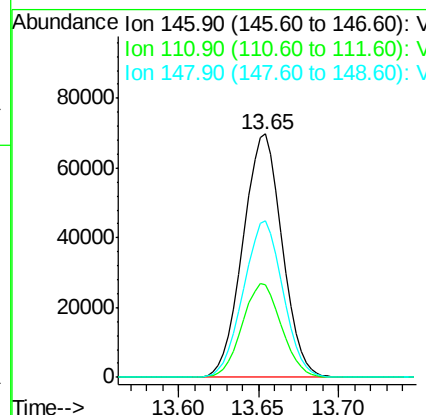
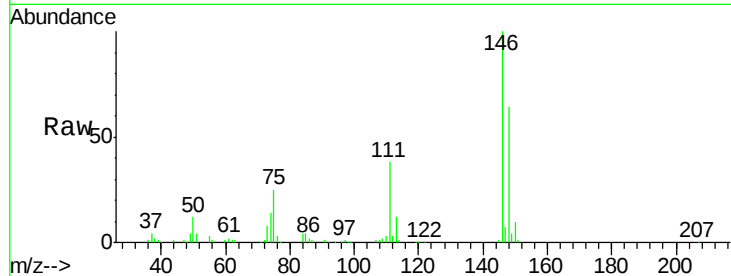
#91
 1,2-Dichlorobenzene
 Concen: 21.506 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	64.9	31.9	95.9

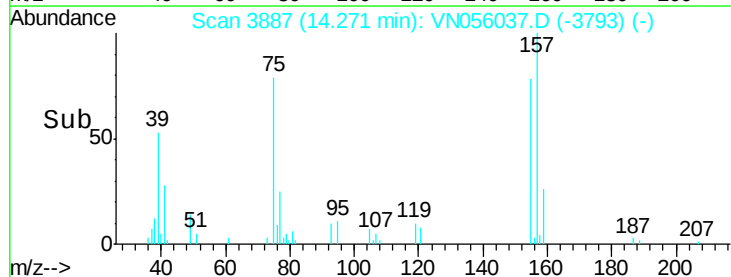
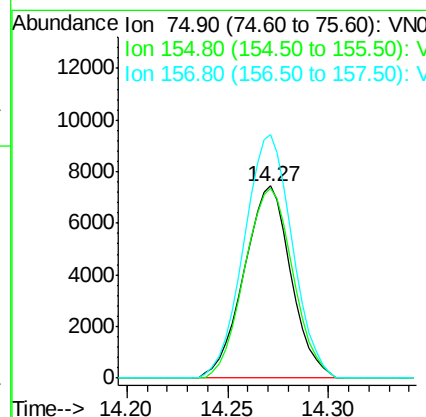
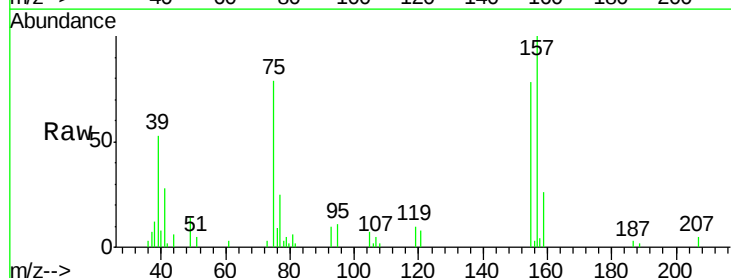
Manual Integrations
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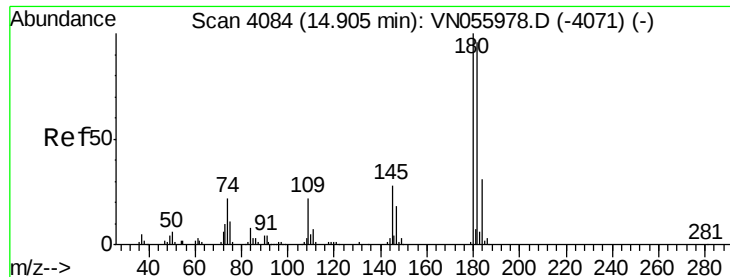
MMDadoda
 6/7/2019 9:36:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.579 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.2	50.0	150.1
157	129.7	64.8	194.3





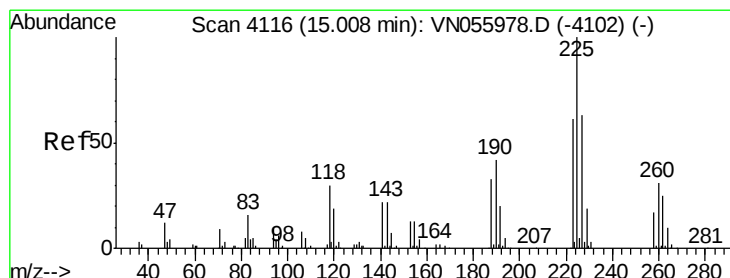
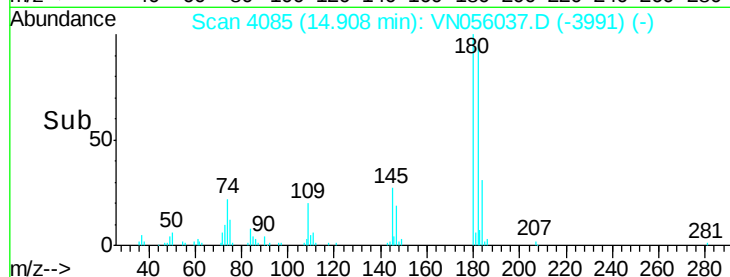
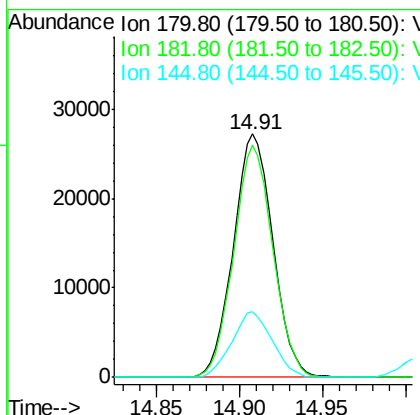
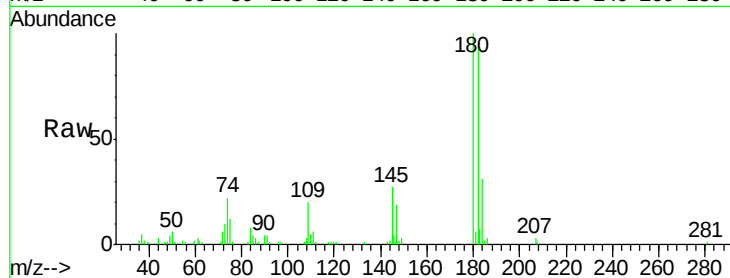
#93
 1,2,4-Trichlorobenzene
 Concen: 18.086 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45238		
182	94.1	48.3	144.9	
145	27.3	14.0	41.9	

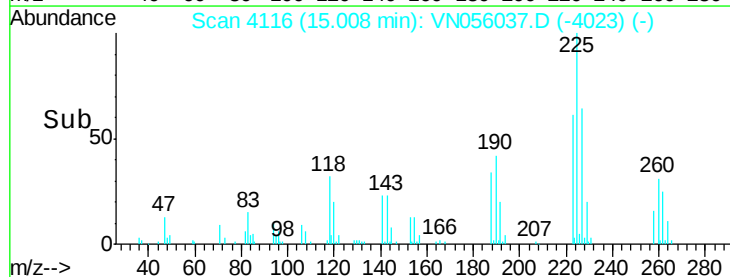
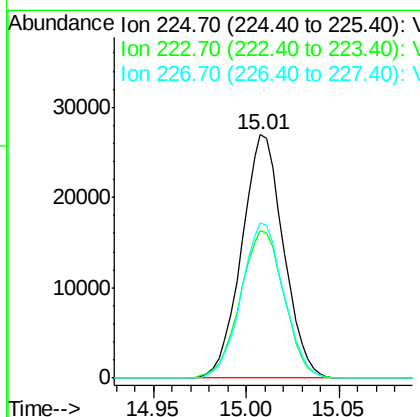
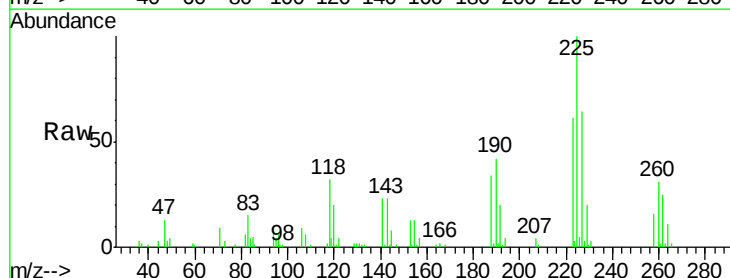
Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 9:36:55 AM



#94
 Hexachlorobutadiene
 Concen: 21.417 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056037.D
 Acq: 6 Jun 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42141		
223	63.5	30.9	92.7	
227	64.6	31.6	94.7	





#95

Naphthalene

Concen: 18.644 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Instrument :

MSVOA_N

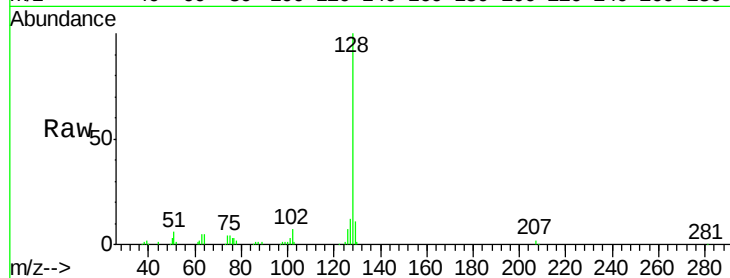
ClientSampleId :

VN0607WBS01

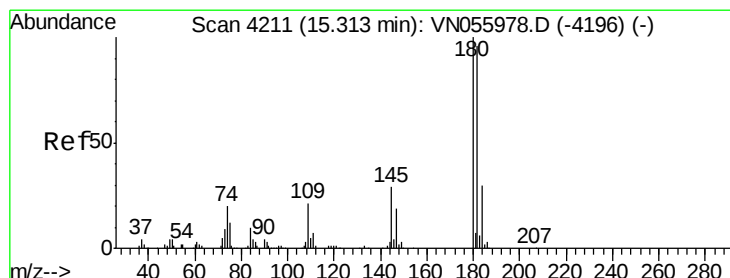
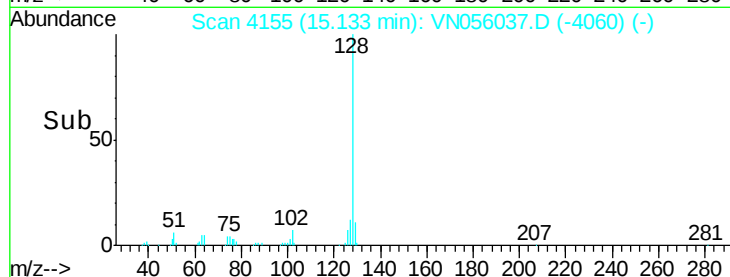
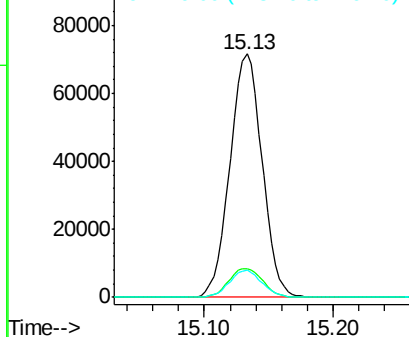
Tot Ion:	128	Resp:	124521
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.3	15.5
129	11.2	8.7	13.1

Manual Integrations
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MMDadoda
6/7/2019 9:36:55 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 19.009 ug/l

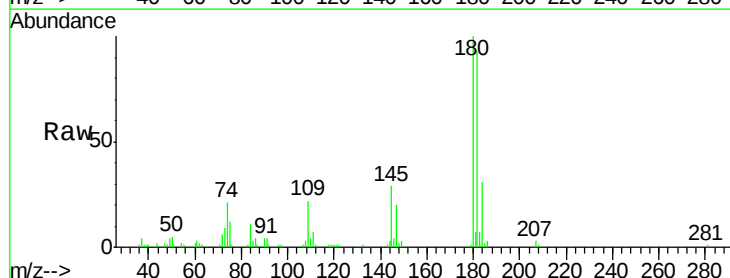
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056037.D

Acq: 6 Jun 2019 11:34

Tgt Ion:	180	Resp:	51909
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.7
145	29.3	14.9	44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

