

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041819\
 Data File : VN055127.D
 Acq On : 18 Apr 2019 17:53
 Operator : JC/SP
 Sample : VN0418WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 5:47:33 PM

Quant Time: Apr 19 09:19:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	392406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	654760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	557167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	219171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	270132	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
35) Dibromofluoromethane	7.59	113	211566	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	10.09	98	762183	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.40	95	250400	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	81269	18.224	ug/l	99
3) Chloromethane	2.06	50	103974	17.876	ug/l	98
4) Vinyl Chloride	2.19	62	85240	17.435	ug/l	100
5) Bromomethane	2.56	94	43137	15.597	ug/l	97
6) Chloroethane	2.70	64	47972	18.196	ug/l	99
7) Trichlorofluoromethane	3.01	101	124340	20.336	ug/l	100
8) Diethyl Ether	3.41	74	49779	25.505	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	73567	22.992	ug/l	98
10) Methyl Iodide	3.95	142	95566	19.246	ug/l	93
11) Tert butyl alcohol	4.79	59	39631	138.614	ug/l	99
12) 1,1-Dichloroethene	3.74	96	72938	23.419	ug/l	92
13) Acrolein	3.61	56	30889	87.405	ug/l	98
14) Allyl chloride	4.33	41	146862	19.264	ug/l	99
15) Acrylonitrile	4.99	53	191978	112.228	ug/l	100
16) Acetone	3.82	43	144839	102.307	ug/l	92
17) Carbon Disulfide	4.06	76	169083	16.818	ug/l	99
18) Methyl Acetate	4.33	43	95764	23.236	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	236965	21.269	ug/l	95
20) Methylene Chloride	4.55	84	93306	18.748	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	78947	18.742	ug/l	92
22) Diisopropyl ether	5.96	45	321887	20.539	ug/l	95
23) Vinyl Acetate	5.90	43	1129801	109.064	ug/l	100
24) 1,1-Dichloroethane	5.85	63	167383	20.056	ug/l	100
25) 2-Butanone	6.84	43	236770	112.056	ug/l	98
26) 2,2-Dichloropropane	6.83	77	88219	16.748	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	95686	20.078	ug/l	96
28) Bromochloromethane	7.19	49	82287	20.454	ug/l	99
29) Tetrahydrofuran	7.21	42	166491	120.157	ug/l	98
30) Chloroform	7.37	83	159284	19.649	ug/l	99
31) Cyclohexane	7.66	56	147525	19.225	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	127605	19.868	ug/l	99
36) 1,1-Dichloropropene	7.79	75	114615	18.569	ug/l	99
37) Ethyl Acetate	6.93	43	100371	19.974	ug/l	99
38) Carbon Tetrachloride	7.78	117	103784	17.673	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	114725	17.153	ug/l	98
40) Benzene	8.04	78	351800	18.911	ug/l	100
41) Methacrylonitrile	7.18	41	62385	22.365	ug/l	96
42) 1,2-Dichloroethane	8.13	62	125204	19.385	ug/l	99
43) Isopropyl Acetate	8.17	43	180702	23.338	ug/l	99
44) Trichloroethene	8.84	130	88579	19.010	ug/l	97
45) 1,2-Dichloropropane	9.12	63	100875	19.444	ug/l	98
46) Dibromomethane	9.21	93	59308	20.084	ug/l	99
47) Bromodichloromethane	9.40	83	117220	19.254	ug/l	98
48) Methyl methacrylate	9.20	41	84257	21.955	ug/l	97
49) 1,4-Dioxane	9.20	88	20453	568.842	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	507961	113.556	ug/l	100
52) Toluene	10.16	92	206109	19.345	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	103202	19.397	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	129577	19.622	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	84534	20.593	ug/l	98
56) Ethyl methacrylate	10.43	69	106577	21.634	ug/l	99
57) 1,3-Dichloropropane	10.71	76	141240	20.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	197668	98.166	ug/l	98
59) 2-Hexanone	10.75	43	319936	113.872	ug/l	98
60) Dibromochloromethane	10.90	129	81572	20.350	ug/l	100
61) 1,2-Dibromoethane	11.01	107	78250	20.711	ug/l	97
64) Tetrachloroethene	10.63	164	85740	18.924	ug/l	97
65) Chlorobenzene	11.44	112	212168	18.918	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	80233	19.451	ug/l	98
67) Ethyl Benzene	11.51	91	381454	19.046	ug/l	100
68) m/p-Xylenes	11.62	106	279258	38.505	ug/l	100
69) o-Xylene	11.95	106	136745	19.467	ug/l	97
70) Styrene	11.96	104	222467	19.565	ug/l	97
71) Bromoform	12.13	173	50074	21.179	ug/l #	100
73) Isopropylbenzene	12.25	105	368351	18.940	ug/l	99
74) N-amyl acetate	12.07	43	121568	22.205	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	105316	20.237	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	92219m	23.399	ug/l	
77) Bromobenzene	12.53	156	90239	18.611	ug/l	98
78) n-propylbenzene	12.59	91	392335	18.671	ug/l	100
79) 2-Chlorotoluene	12.67	91	247352	18.873	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	296608	18.898	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19857	20.147	ug/l	94
82) 4-Chlorotoluene	12.77	91	233281	19.078	ug/l	99
83) tert-Butylbenzene	12.99	119	255093	19.245	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	283528	19.062	ug/l	100
85) sec-Butylbenzene	13.17	105	318506	18.858	ug/l	99
86) p-Isopropyltoluene	13.29	119	273900	18.902	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	140923	19.122	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	134271	19.106	ug/l	99
89) n-Butylbenzene	13.61	91	195648	18.188	ug/l	100
90) Hexachloroethane	13.87	117	45128	19.141	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	143363	19.334	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13646	21.294	ug/l	91

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50528	16.905	ug/l	99
94) Hexachlorobutadiene	15.01	225	44772	19.549	ug/l	97
95) Naphthalene	15.13	128	120044	17.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	54411	19.021	ug/l	100

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

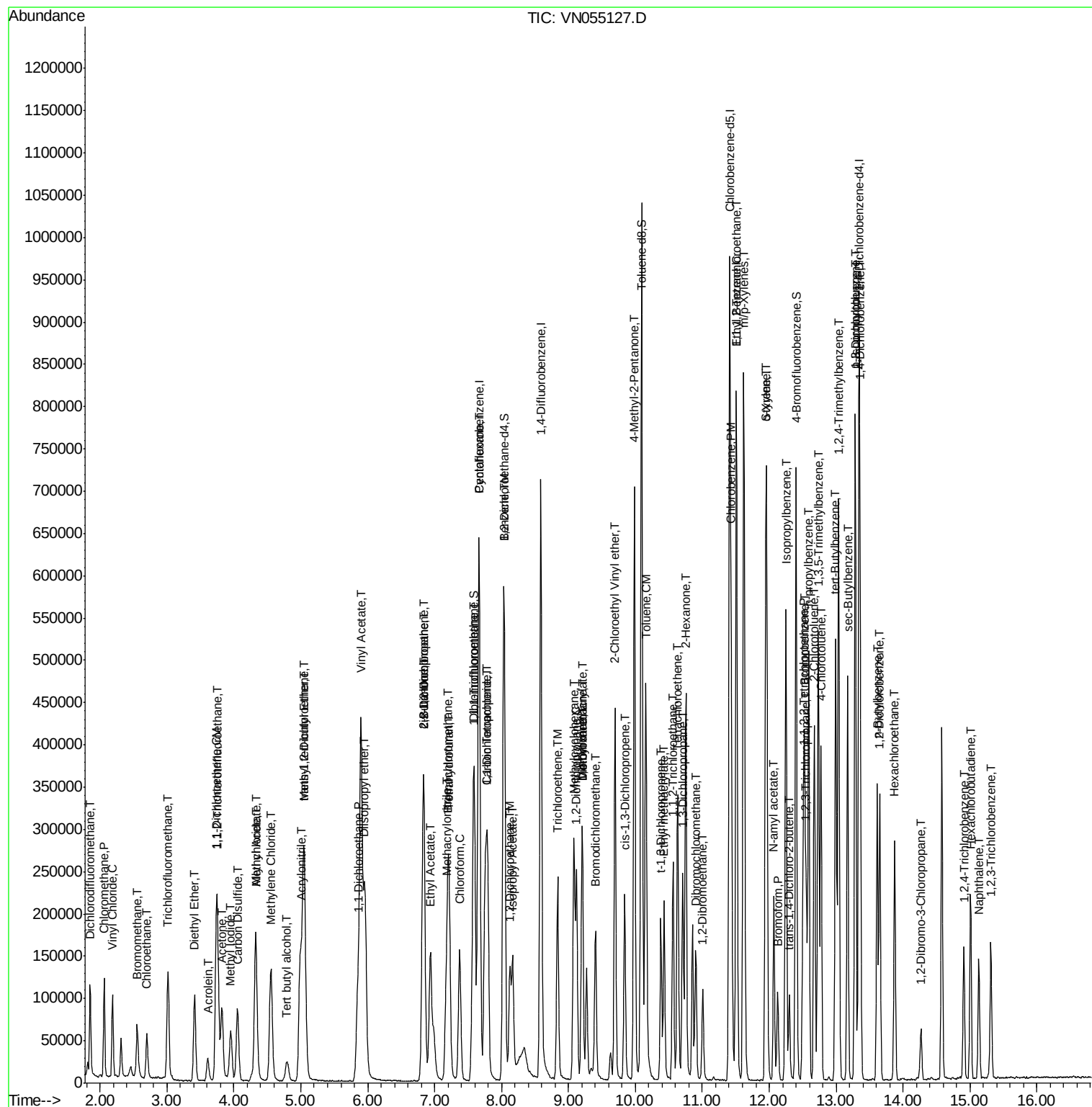
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Data File : VN055127.D
Acq On : 18 Apr 2019 17:53
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Sample : VN0418WBSD01
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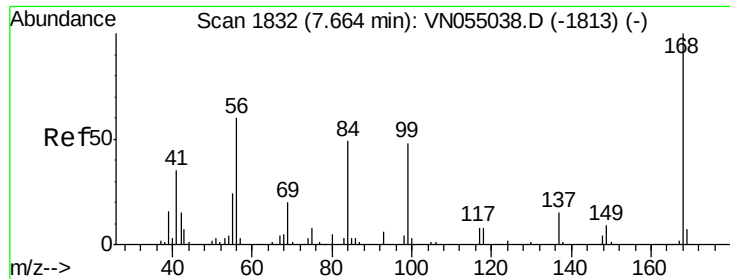
Instrument :
MSVOA_N
Client Sample Id :
VN0418WBSD01

Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

ClientSampled :

VN0418WBSD01

Tot Ion:168 Resp: 392406

Ion Ratio Lower Upper

168 100

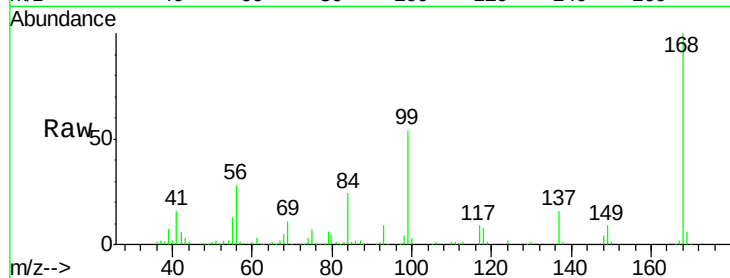
99 53.1 41.9 62.9

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

7.67

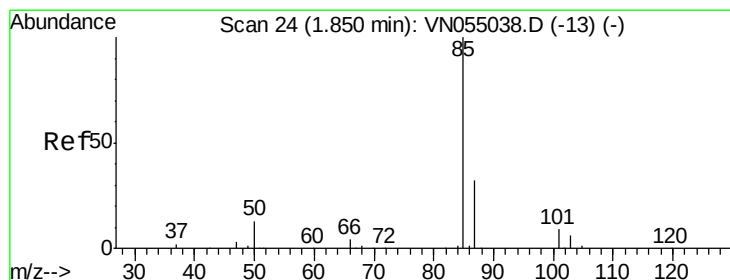
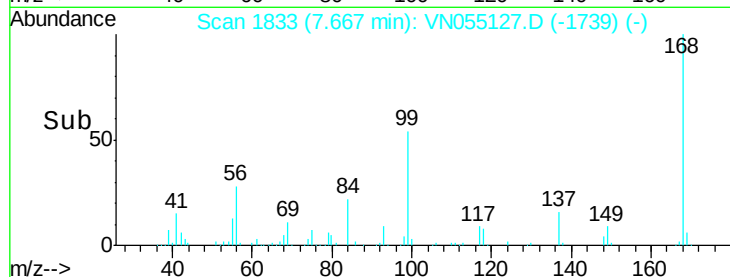
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.224 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055127.D

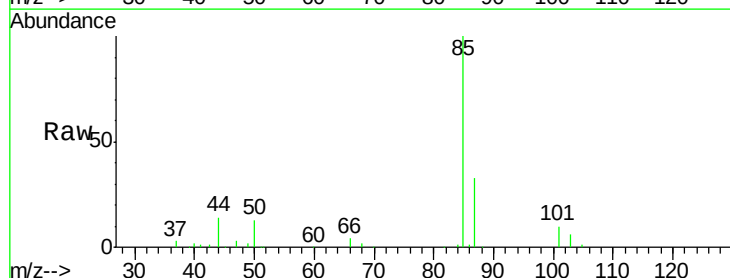
Acq: 18 Apr 2019 17:53

Tgt Ion: 85 Resp: 81269

Ion Ratio Lower Upper

85 100

87 32.9 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

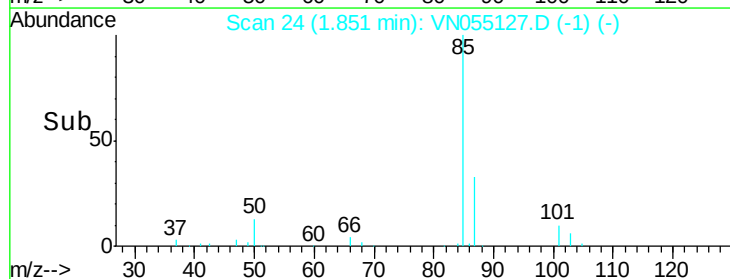
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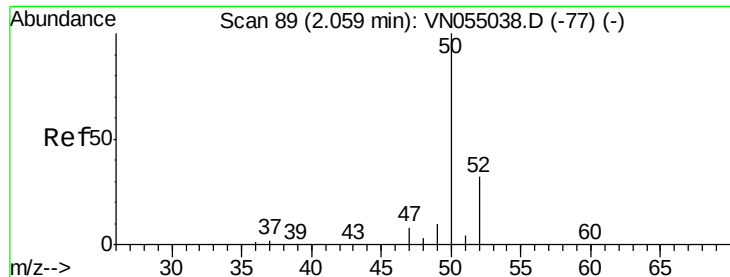
40000

20000

0

Time-->





#3

Chloromethane

Concen: 17.876 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBSD01

Tot Ion: 50 Resp: 103974

Ion Ratio Lower Upper

50 100

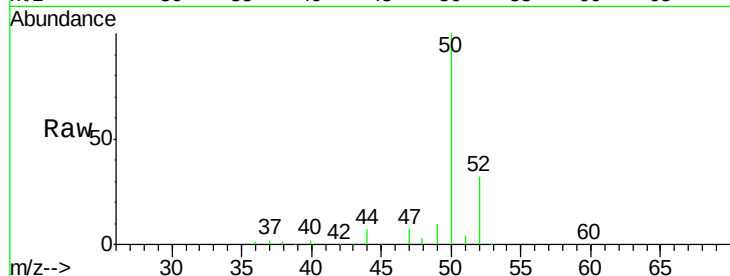
52 32.0 26.6 40.0

Manual Integrations

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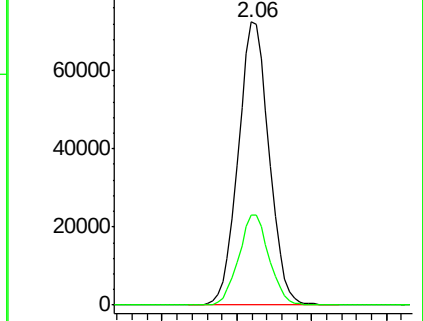
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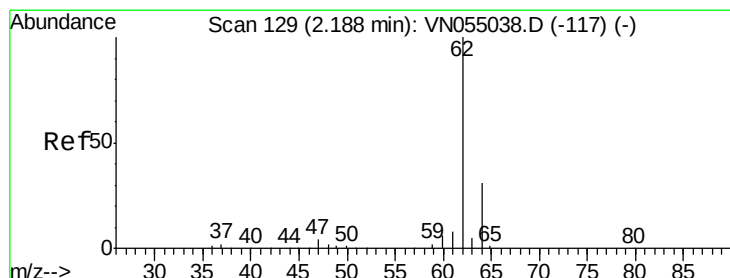
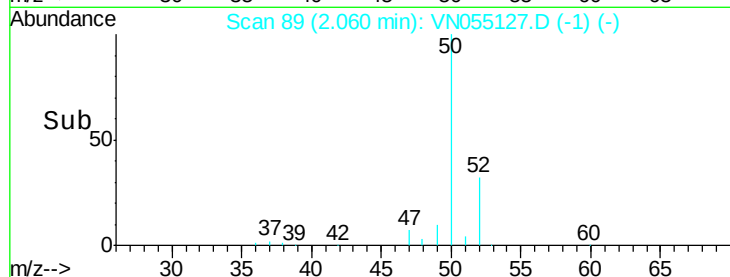


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 17.435 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055127.D

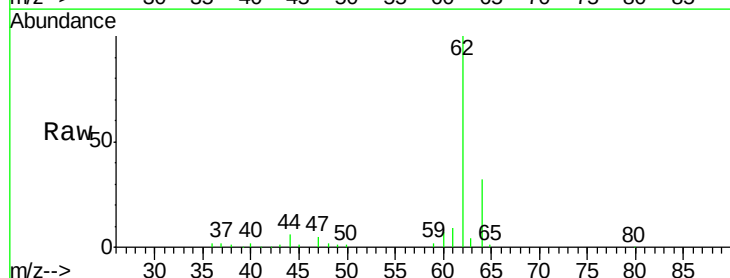
Acq: 18 Apr 2019 17:53

Tgt Ion: 62 Resp: 85240

Ion Ratio Lower Upper

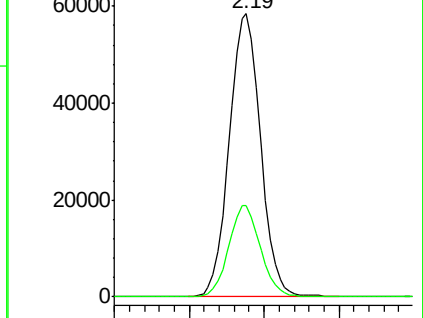
62 100

64 32.3 25.8 38.6

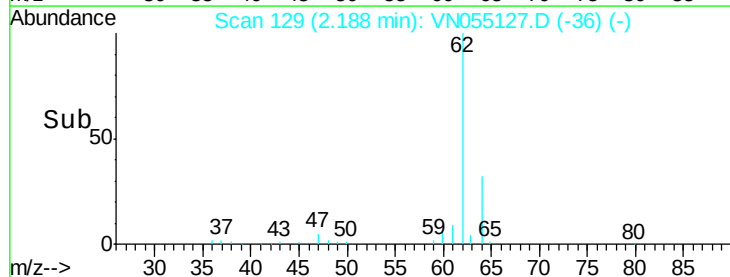


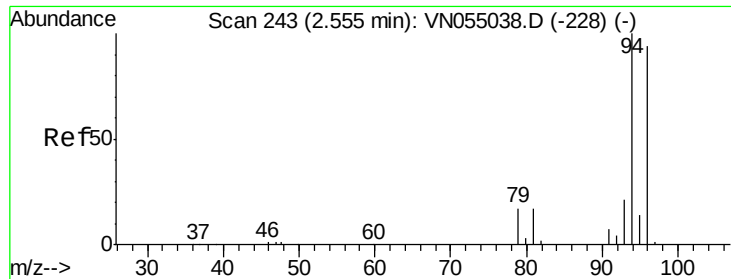
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 15.597 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBSD01

Tot Ion: 94 Resp: 43137

Ion Ratio Lower Upper

94 100

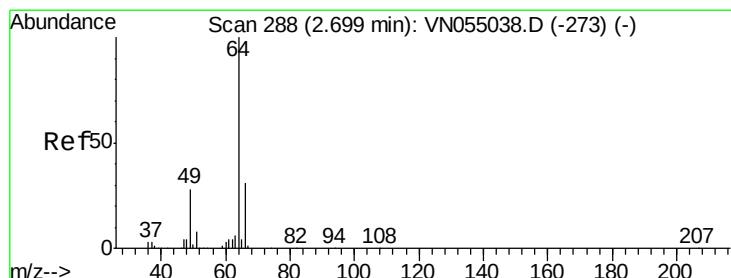
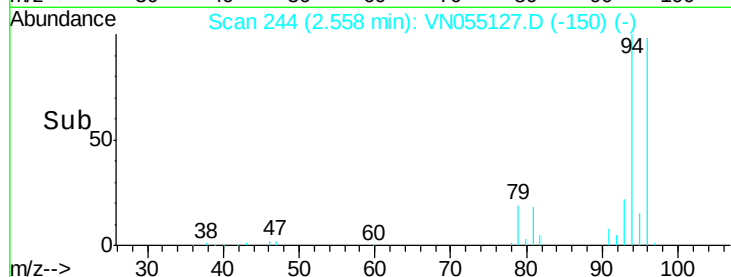
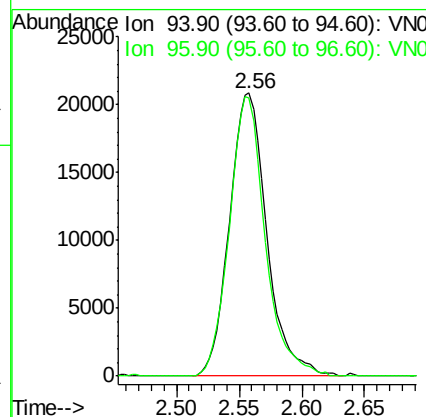
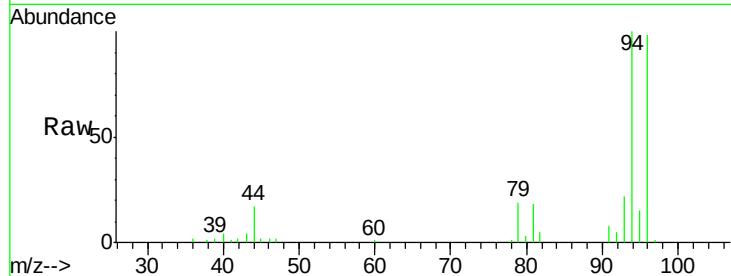
96 98.2 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 18.196 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055127.D

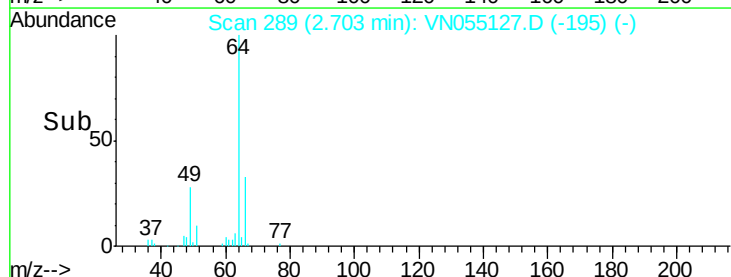
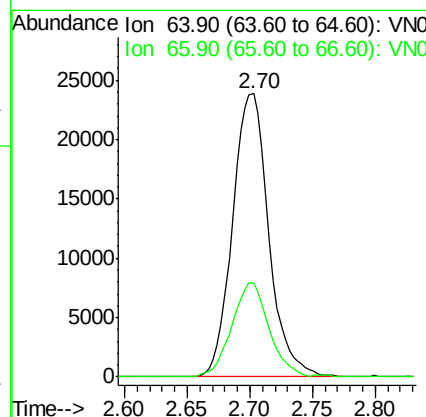
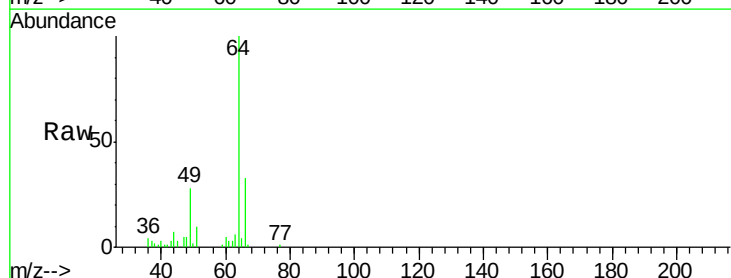
Acq: 18 Apr 2019 17:53

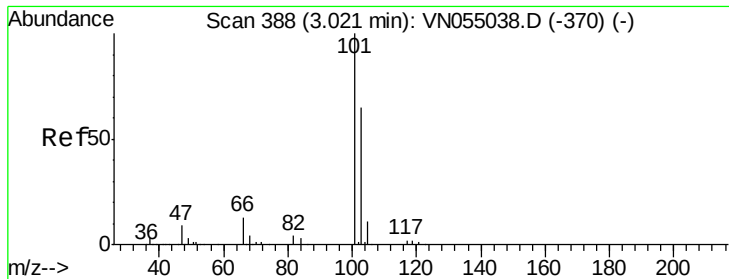
Tgt Ion: 64 Resp: 47972

Ion Ratio Lower Upper

64 100

66 33.0 26.6 40.0





#7

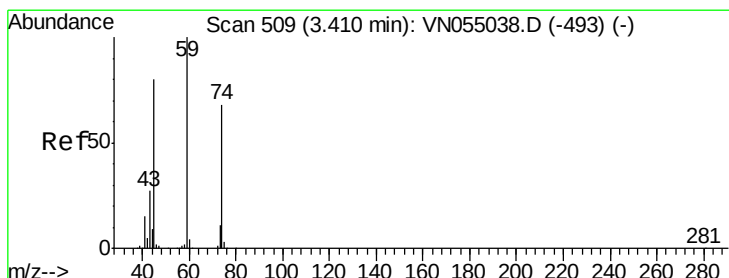
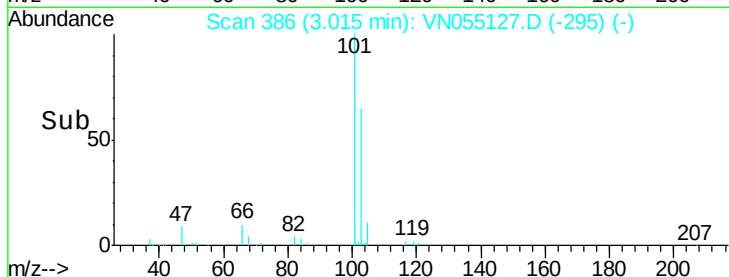
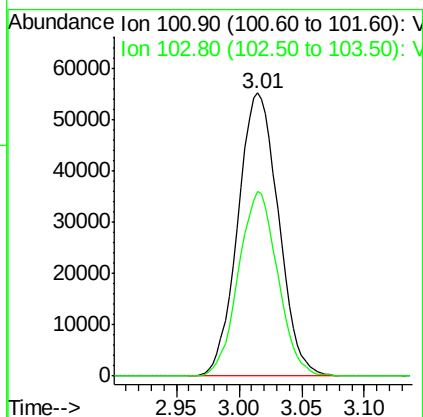
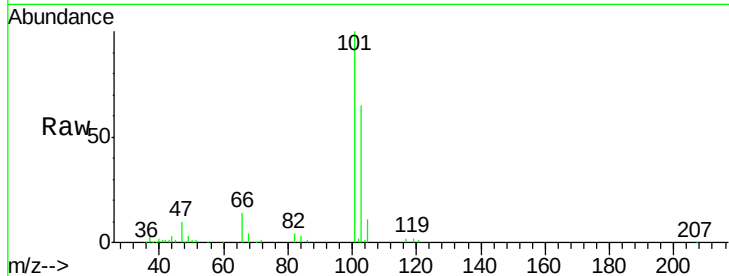
Trichlorofluoromethane
 Concen: 20.336 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Instrument :
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 ClientSampleId :
 VN0418WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.5	78.7

Manual Integrations
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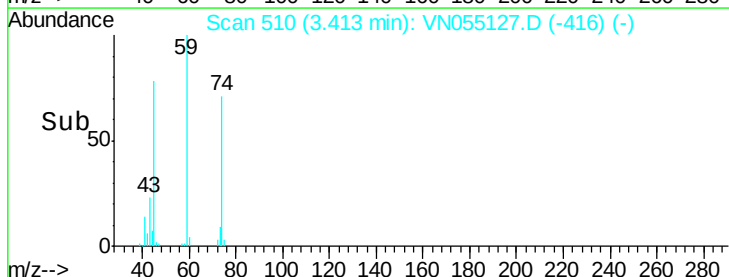
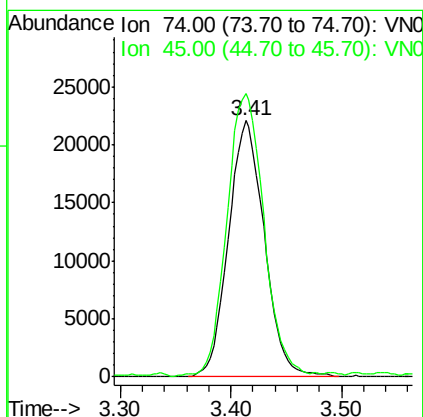
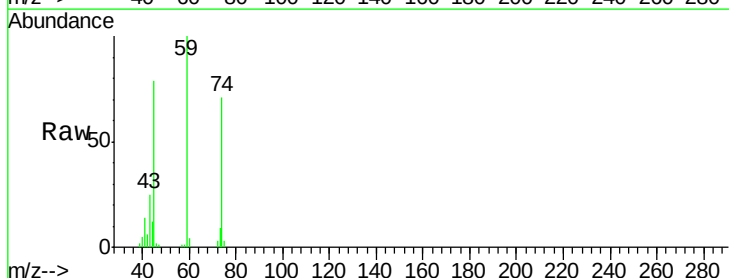
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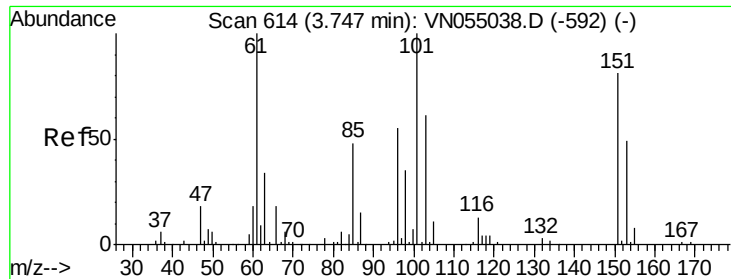


#8

Diethyl Ether
 Concen: 25.505 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.5	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.992 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

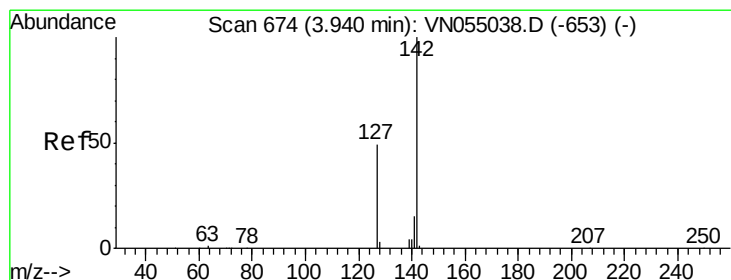
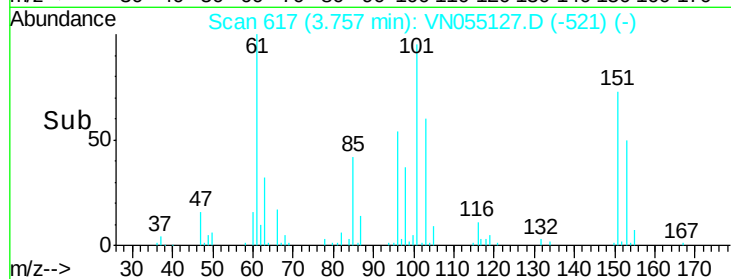
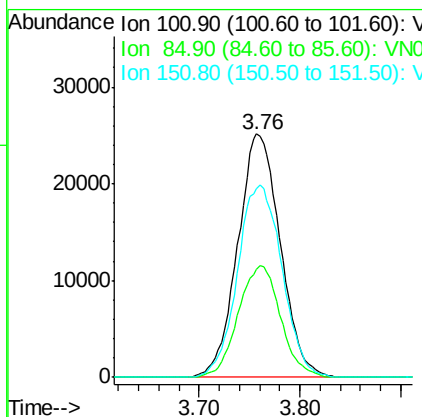
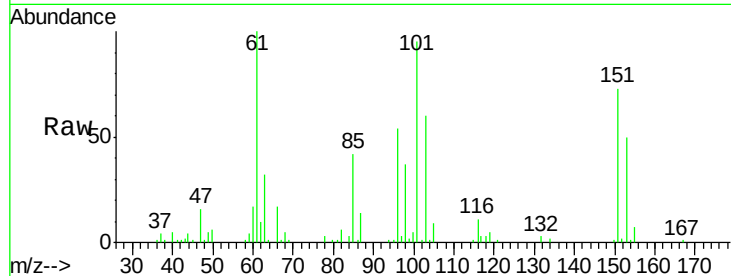
ClientSampleId :

VN0418WBSD01

Tot Ion:	101	Resp:	73567
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.9	55.3
151	82.6	64.4	96.6

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#10

Methyl Iodide

Concen: 19.246 ug/l

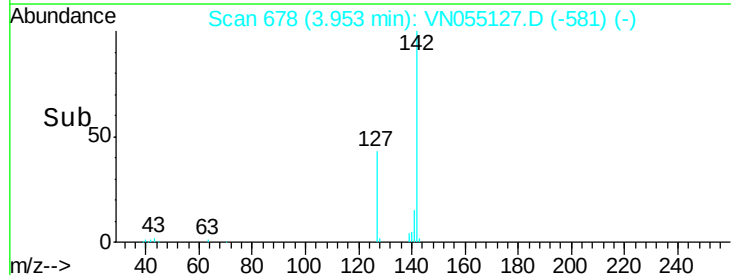
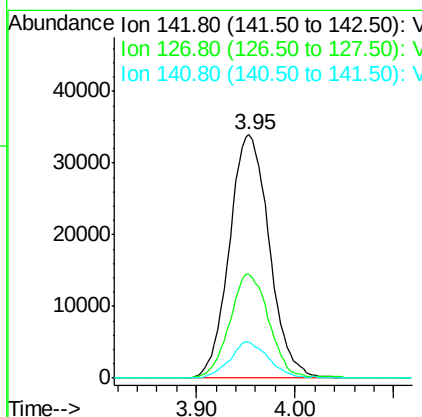
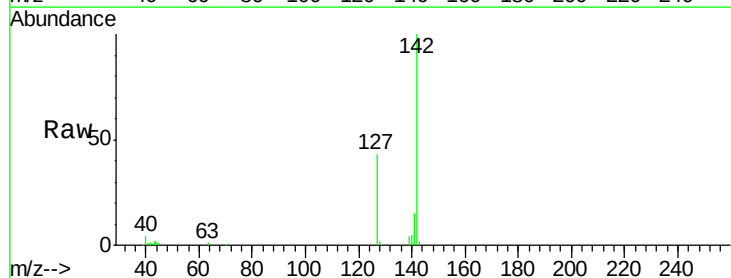
RT: 3.95 min Scan# 678

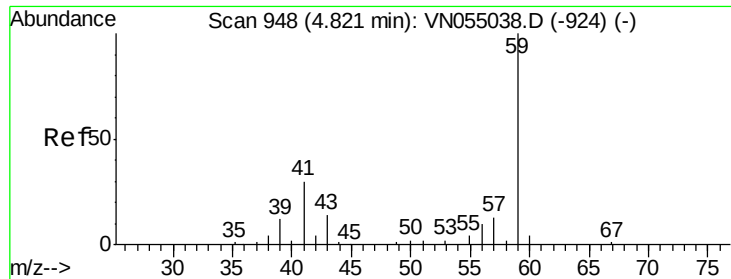
Delta R.T. 0.01 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Tgt Ion:	142	Resp:	95566
Ion Ratio	Lower	Upper	
142	100		
127	41.8	37.9	56.9
141	14.4	11.8	17.8





#11

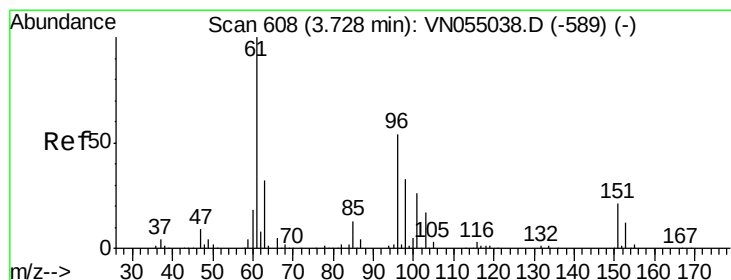
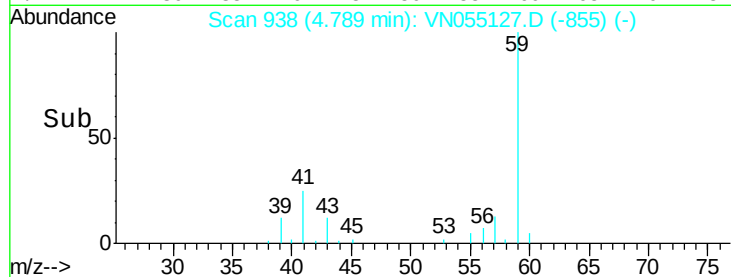
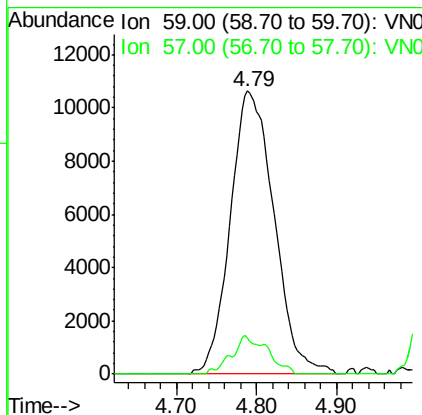
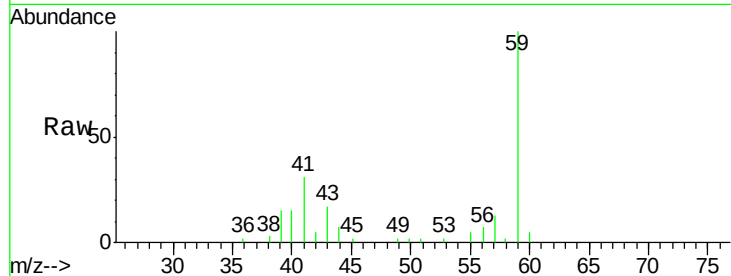
Tert butyl alcohol
 Concen: 138.614 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.03 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	39631		
57	10.7		8.3	12.5

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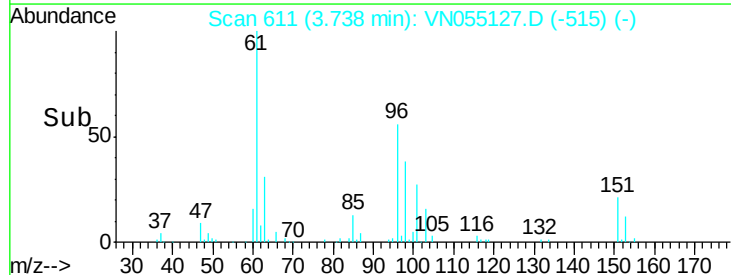
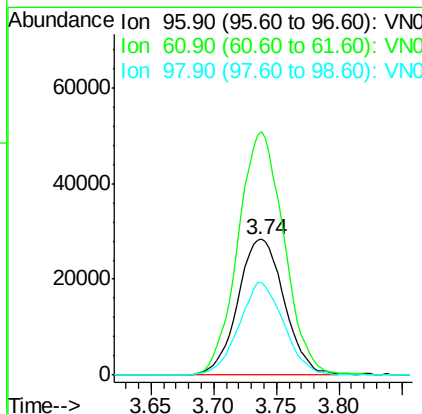
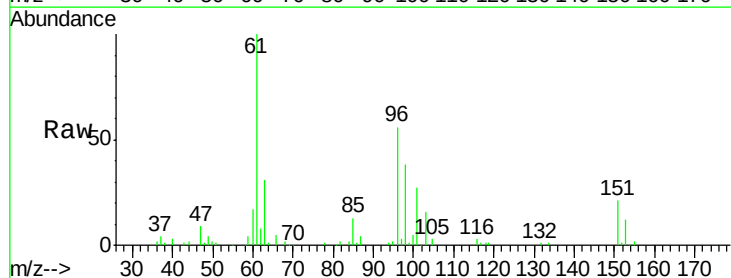
MMDadoda
 4/19/2019 5:47:33 PM

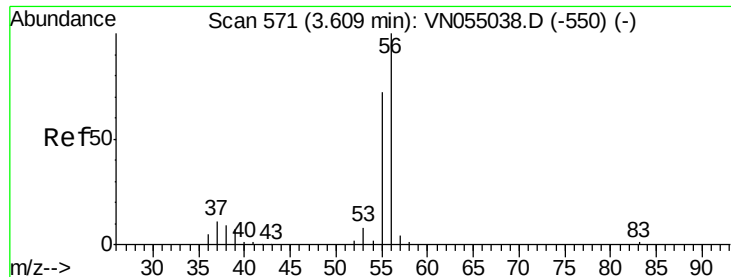


#12

1,1-Dichloroethene
 Concen: 23.419 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	72938		
61	179.2		154.2	231.4
98	68.6		52.9	79.3





#13

Acrolein

Concen: 87.405 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBSD01

Tot Ion: 56 Resp: 30889

Ion Ratio Lower Upper

56 100

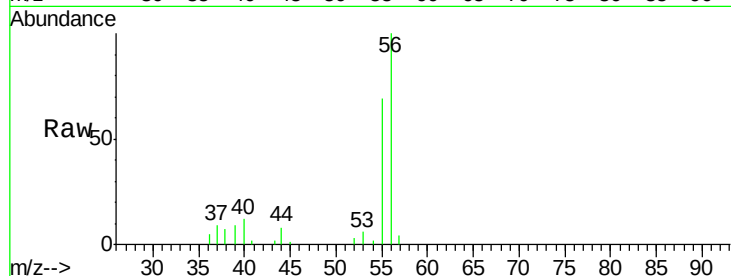
55 73.0 59.5 89.3

Manual Integrations

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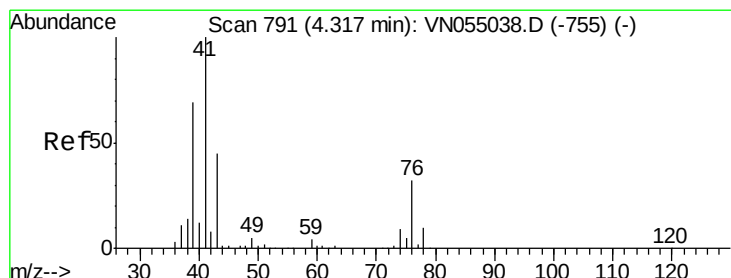
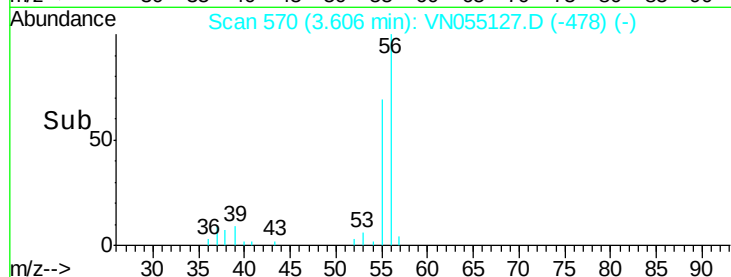
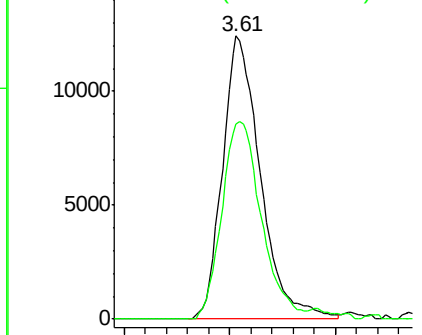
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 19.264 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

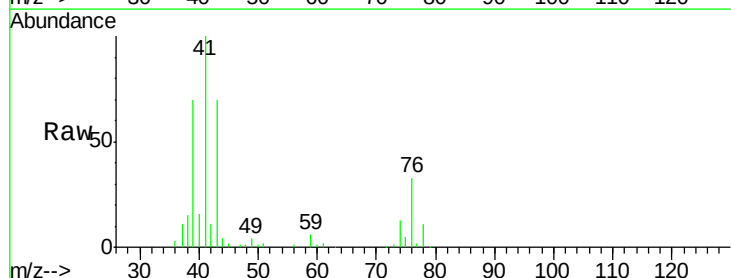
Tgt Ion: 41 Resp: 146862

Ion Ratio Lower Upper

41 100

39 66.8 52.7 79.1

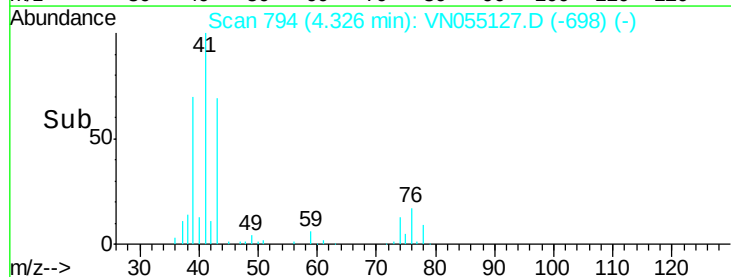
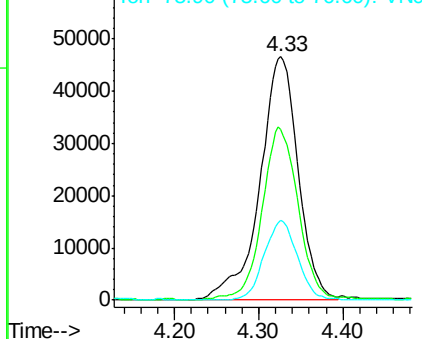
76 28.3 23.2 34.8

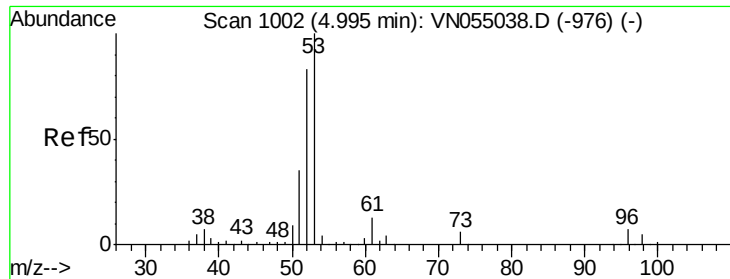


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 112.228 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

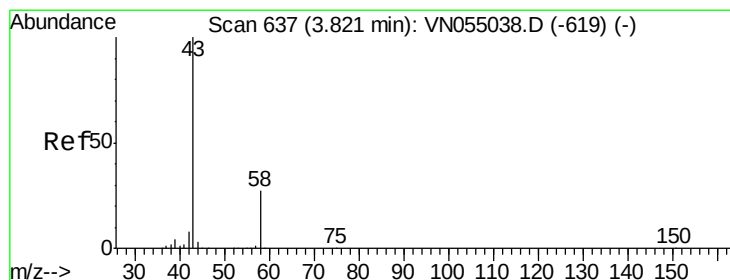
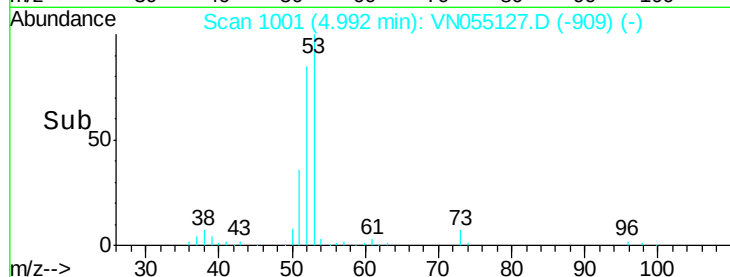
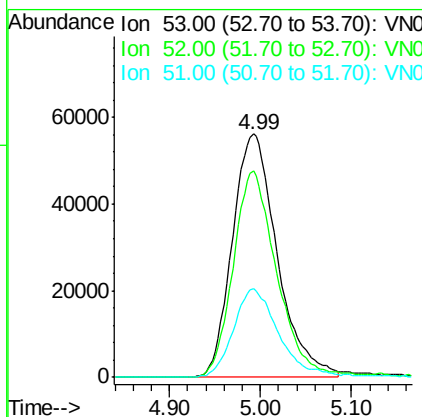
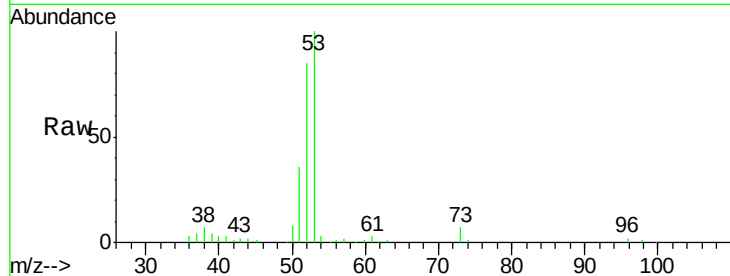
ClientSampleId :

VN0418WBSD01

Tot Ion:	53	Resp:	191978
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.9	98.9
51	36.5	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 102.307 ug/l

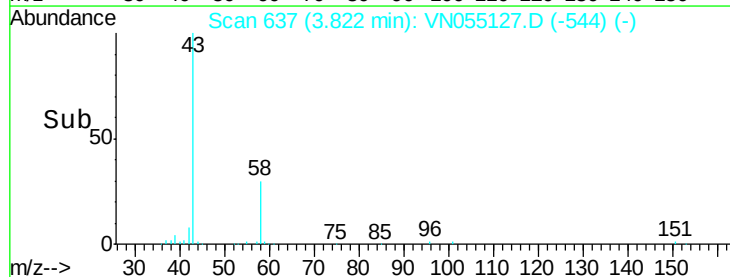
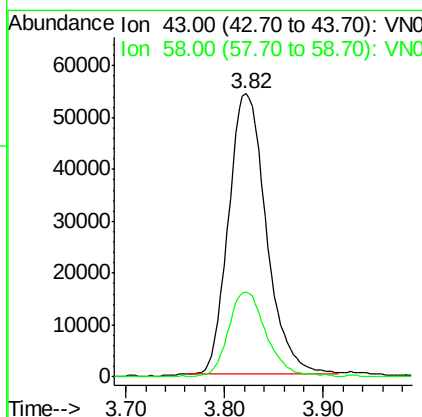
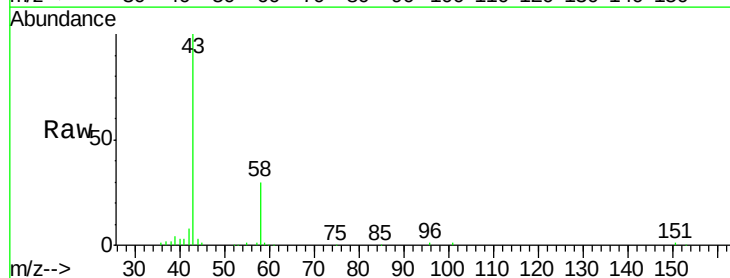
RT: 3.82 min Scan# 637

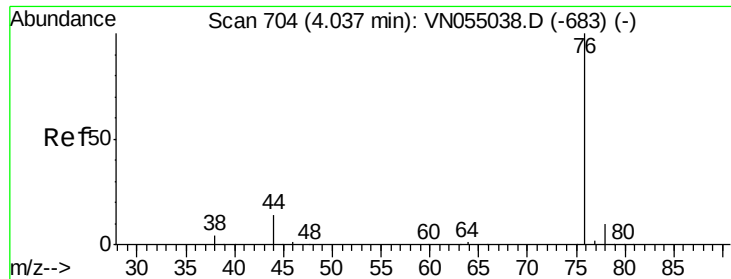
Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Tgt Ion:	43	Resp:	144839
Ion	Ratio	Lower	Upper
43	100		
58	30.1	20.9	31.3





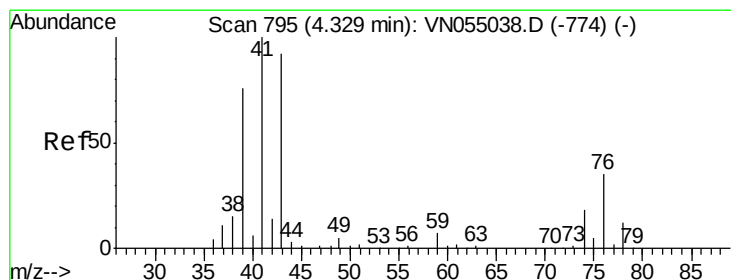
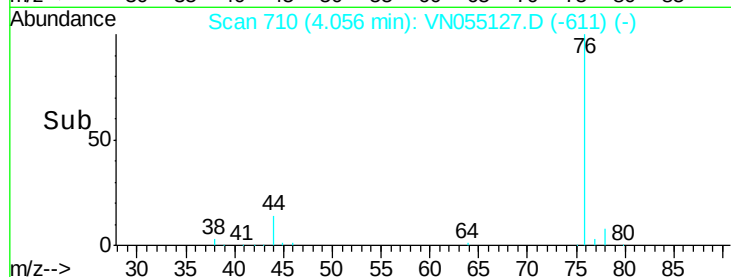
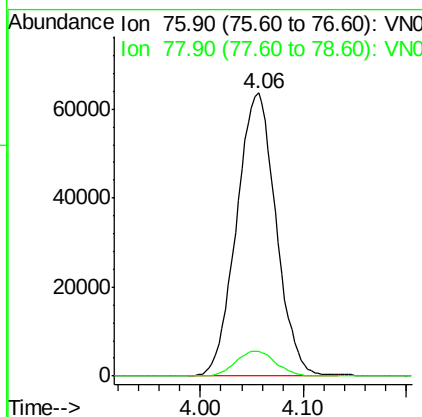
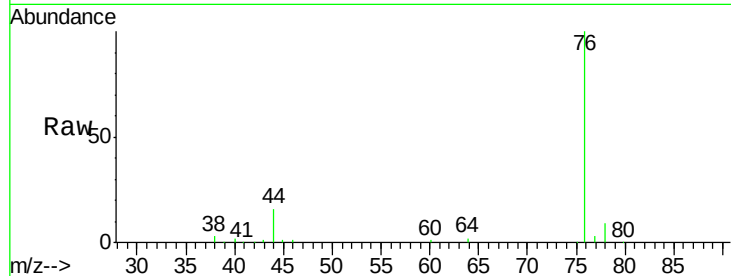
#17
Carbon Disulfide
Concen: 16.818 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.02 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampled :
VN0418WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

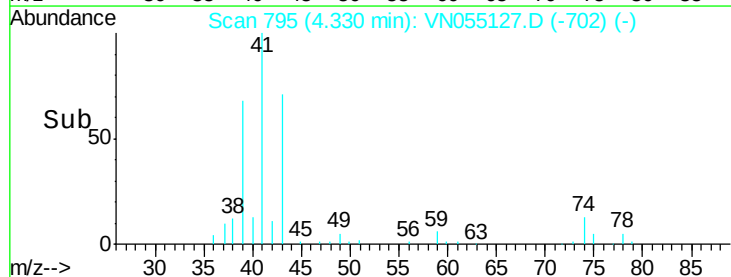
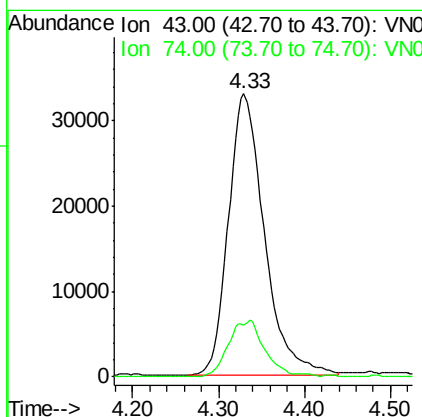
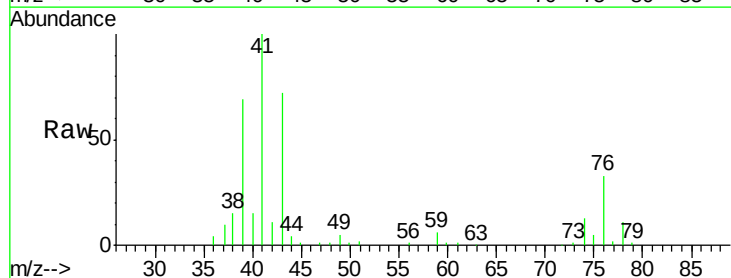
Manual Integrations
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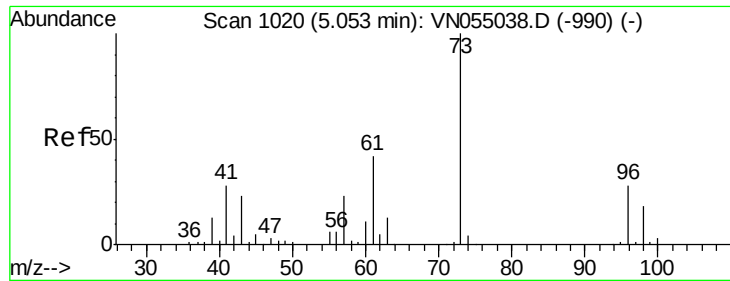
MMDadoda
4/19/2019 5:47:33 PM



#18
Methyl Acetate
Concen: 23.236 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.1	24.1





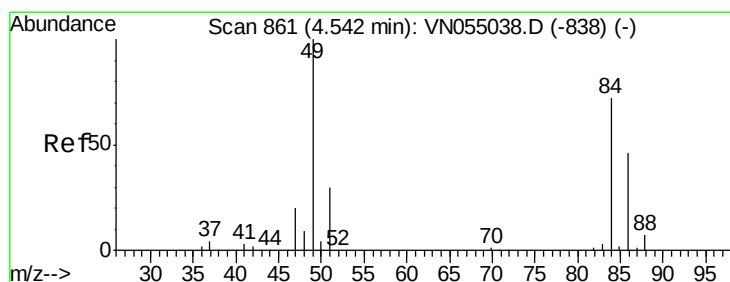
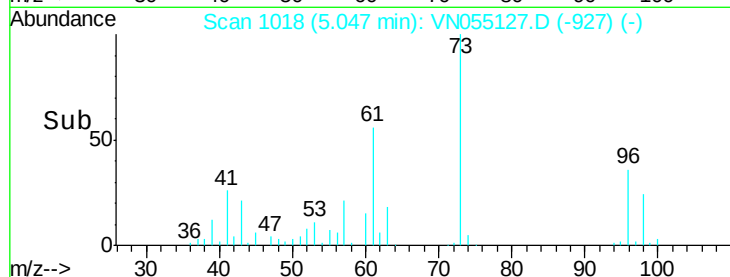
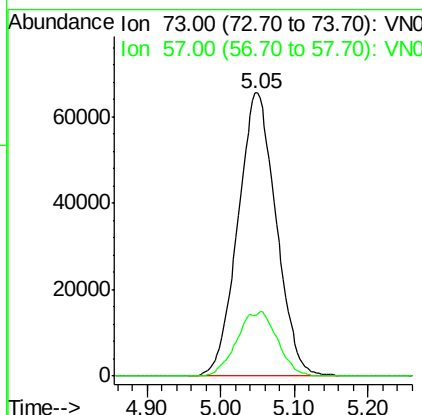
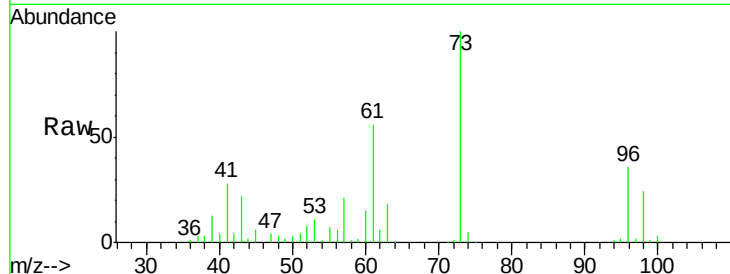
#19
Methyl tert-butyl Ether
Concen: 21.269 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBSD01

Tot Ion: 73 Resp: 236965
Ion Ratio Lower Upper
73 100
57 21.4 19.0 28.4

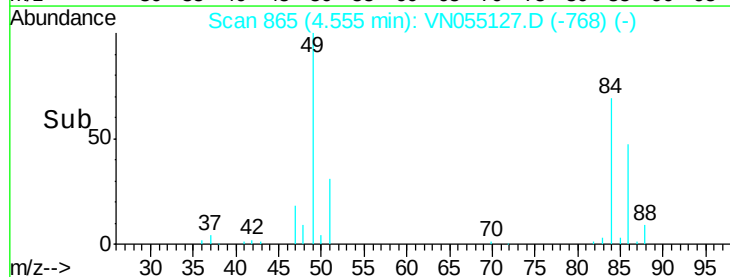
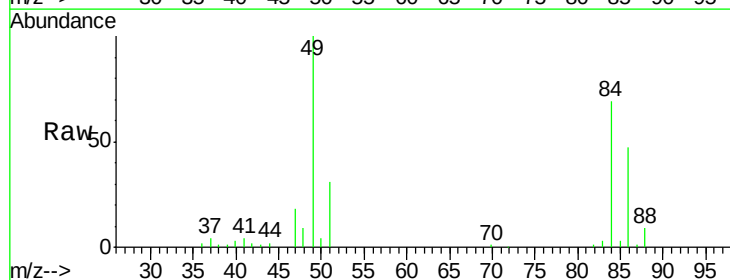
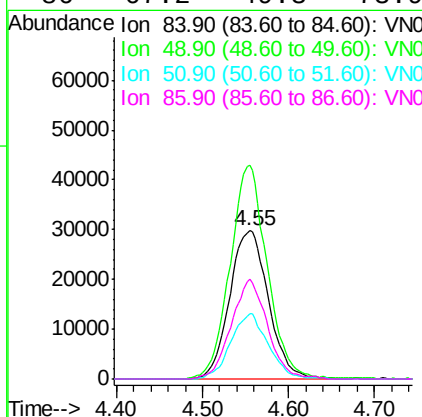
Manual Integrations
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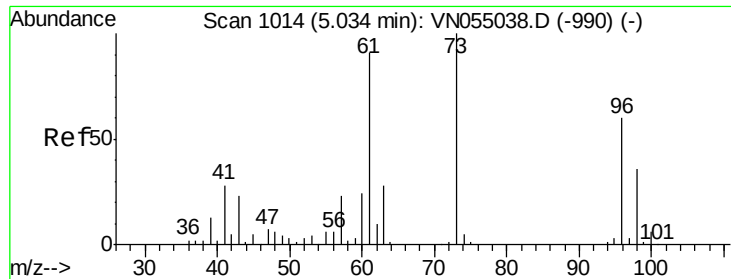
MMDadoda
4/19/2019 5:47:33 PM



#20
Methylene Chloride
Concen: 18.748 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion: 84 Resp: 93306
Ion Ratio Lower Upper
84 100
49 143.3 109.4 164.2
51 44.5 32.2 48.4
86 67.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 18.742 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

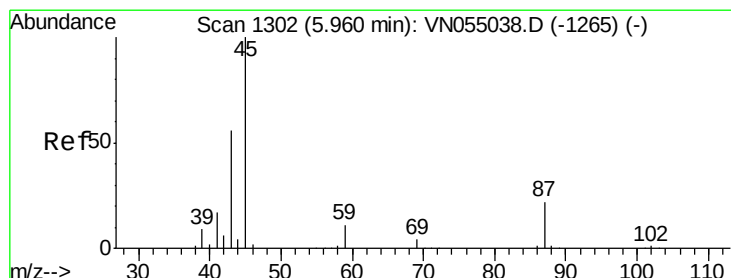
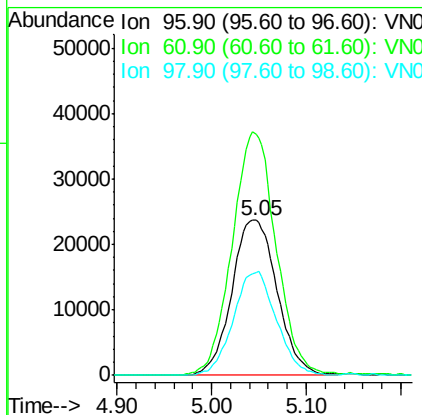
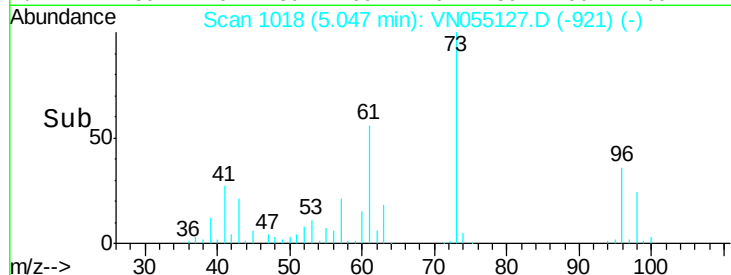
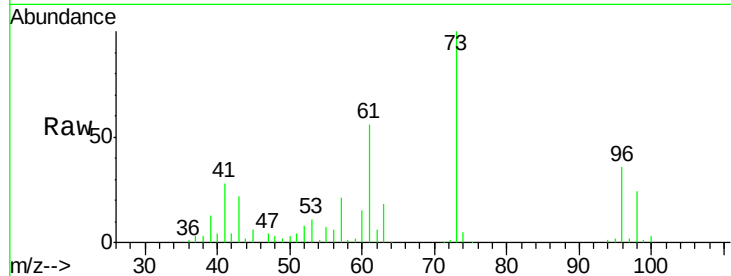
ClientSampleId :

VN0418WBSD01

Tot Ion:	96	Resp:	78947
Ion	Ratio	Lower	Upper
96	100		
61	154.2	114.9	172.3
98	66.5	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.539 ug/l

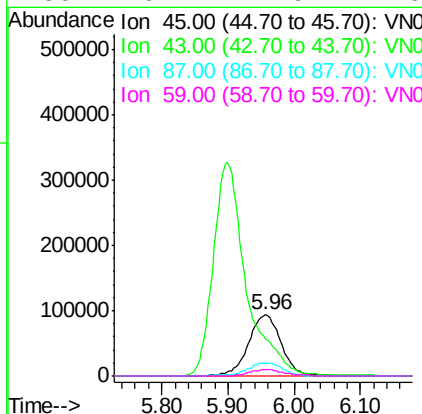
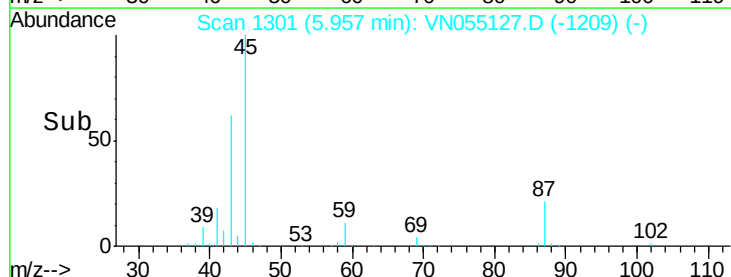
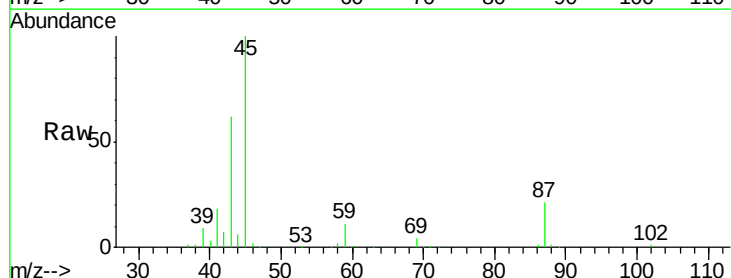
RT: 5.96 min Scan# 1301

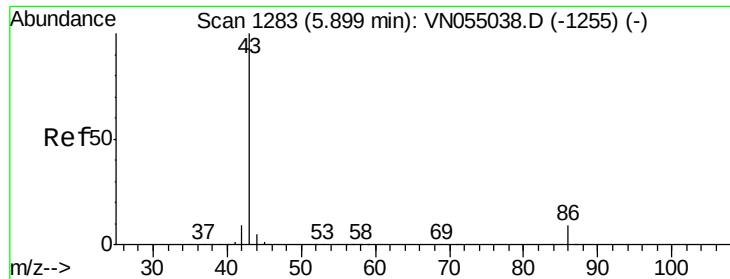
Delta R.T. -0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Tgt Ion:	45	Resp:	321887
Ion	Ratio	Lower	Upper
45	100		
43	59.9	44.8	67.2
87	20.8	18.9	28.3
59	10.2	7.9	11.9





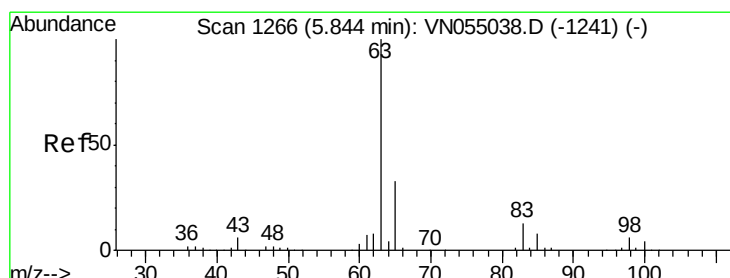
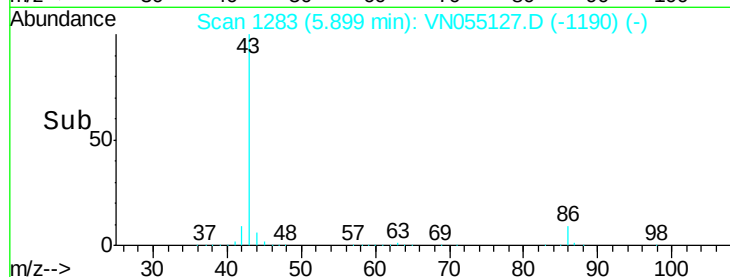
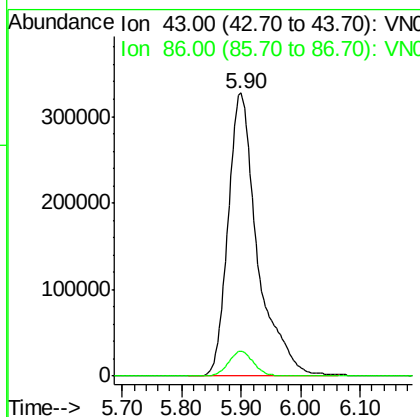
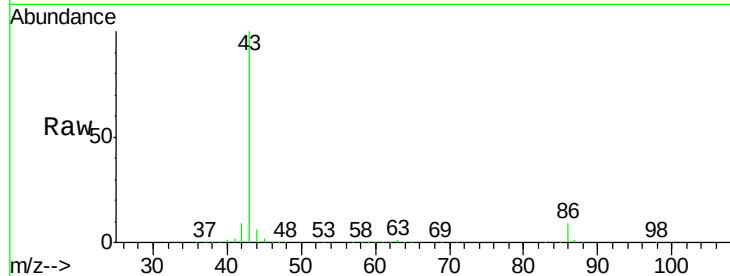
#23
 Vinyl Acetate
 Concen: 109.064 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBSD01

Tot Ion: 43 Resp: 1129801
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.0 10.4

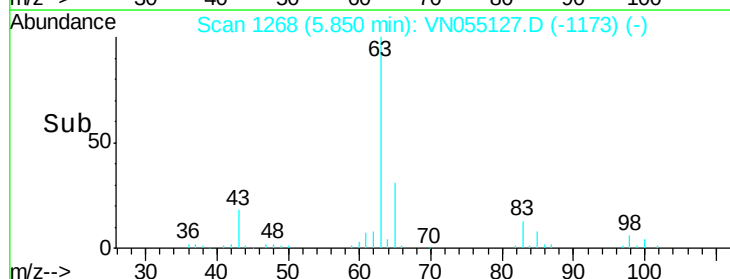
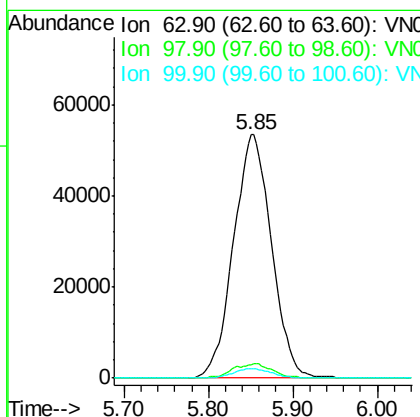
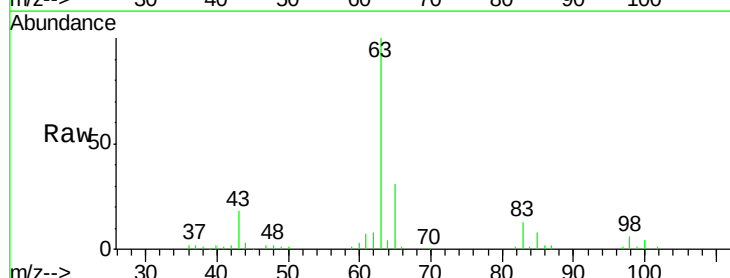
Manual Integrations
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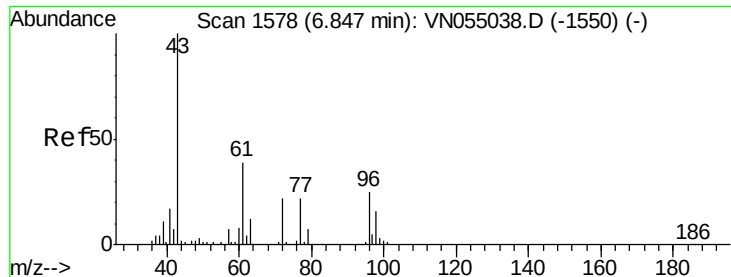
MMDadoda
 4/19/2019 5:47:33 PM



#24
 1,1-Dichloroethane
 Concen: 20.056 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Tgt Ion: 63 Resp: 167383
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.4
 100 3.8 2.0 5.8





#25

2-Butanone

Concen: 112.056 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBSD01

Tot Ion: 43 Resp: 236770

Ion Ratio Lower Upper

43 100

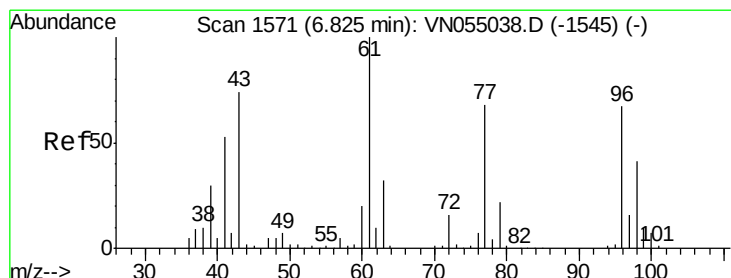
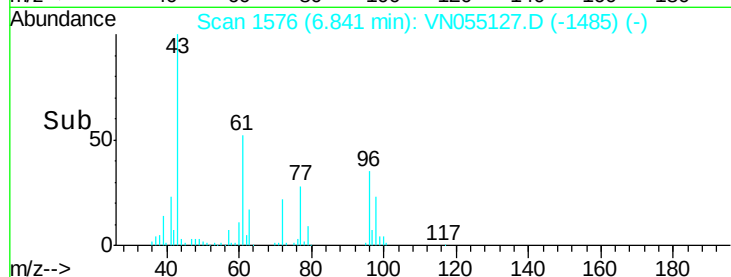
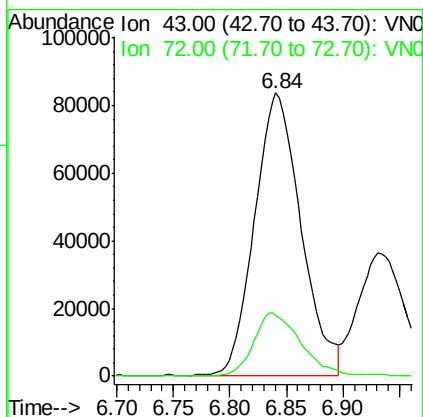
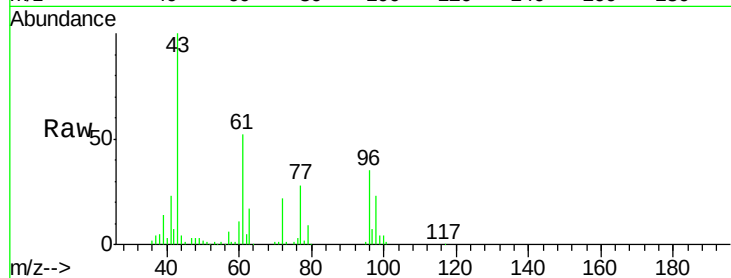
72 21.6 18.1 27.1

Manual Integrations

APPROVED

MMDadoda

4/19/2019 5:47:33 PM



#26

2,2-Dichloropropane

Concen: 16.748 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055127.D

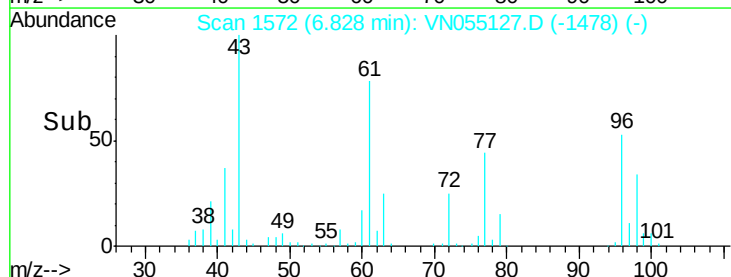
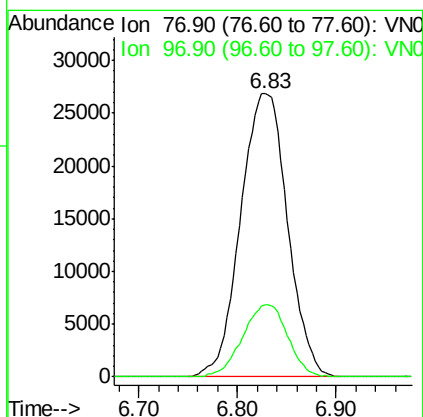
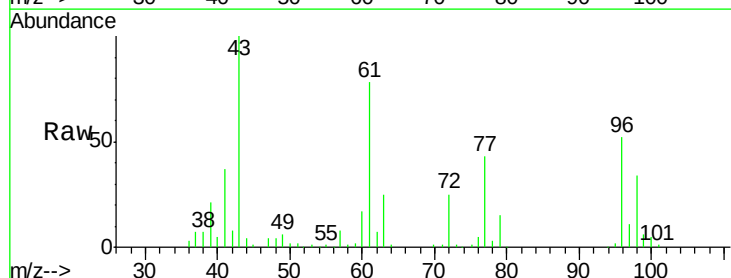
Acq: 18 Apr 2019 17:53

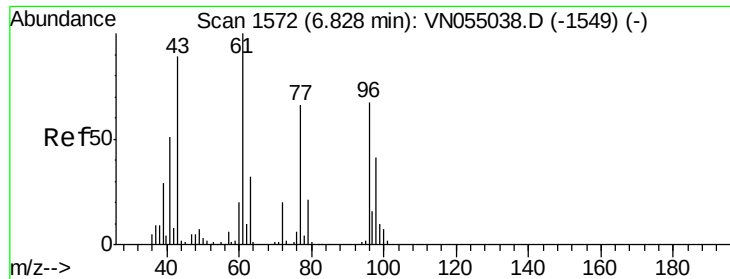
Tgt Ion: 77 Resp: 88219

Ion Ratio Lower Upper

77 100

97 24.5 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.078 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

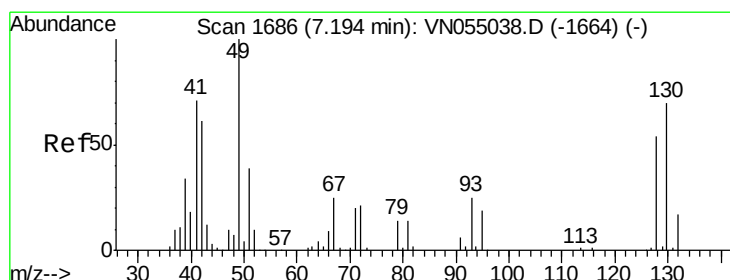
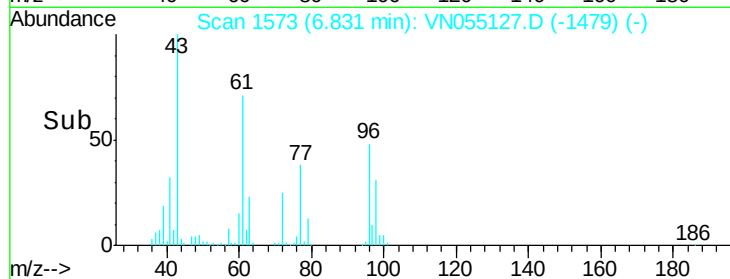
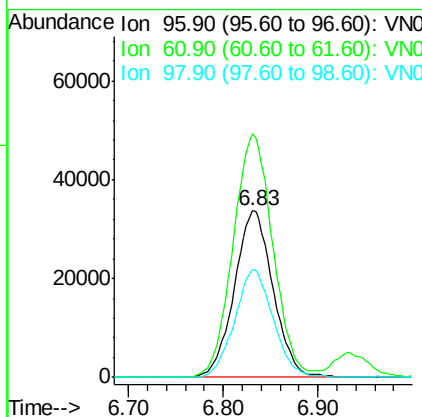
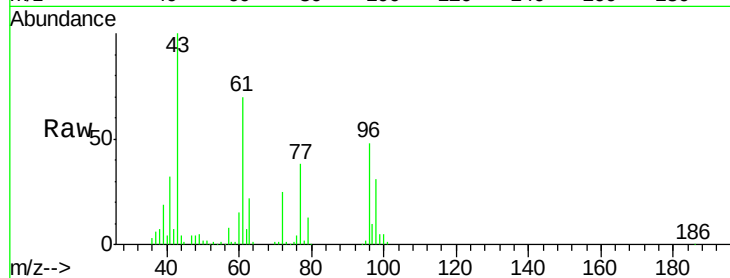
ClientSampleId :

VN0418WBSD01

Tot Ion:	96	Resp:	95686
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	311.0
98	64.5	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 20.454 ug/l

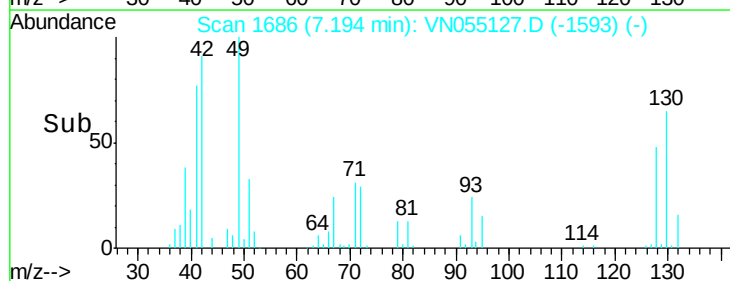
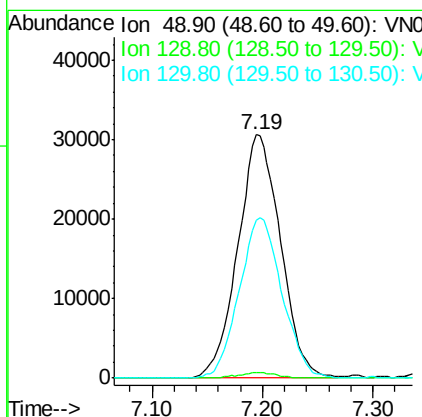
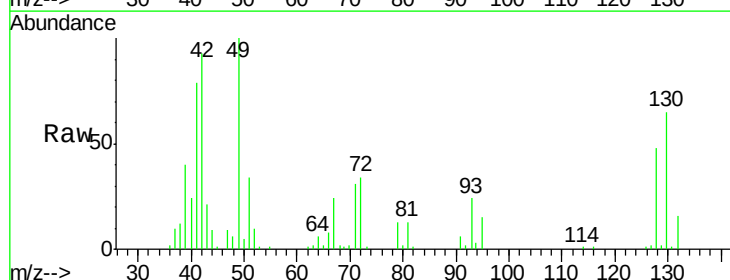
RT: 7.19 min Scan# 1686

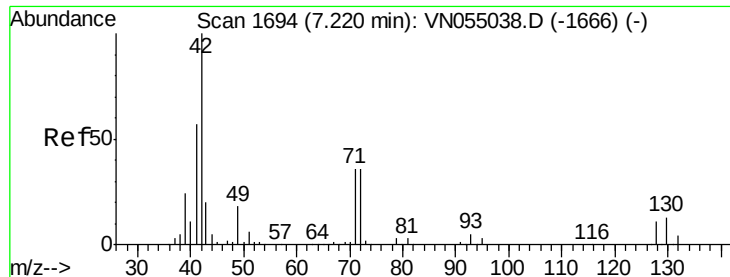
Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Tgt Ion:	49	Resp:	82287
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.0
130	65.8	53.4	80.2





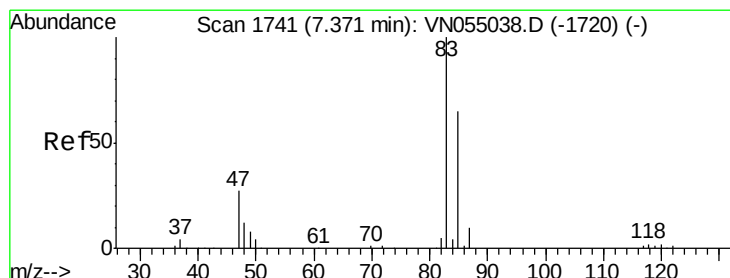
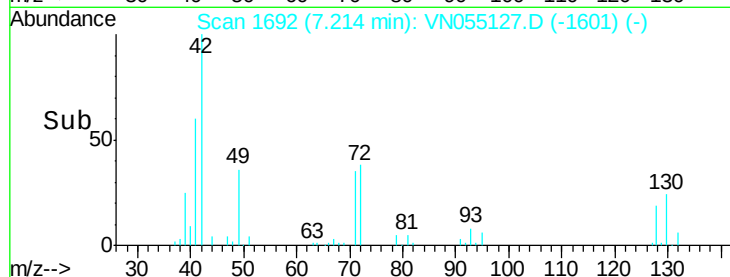
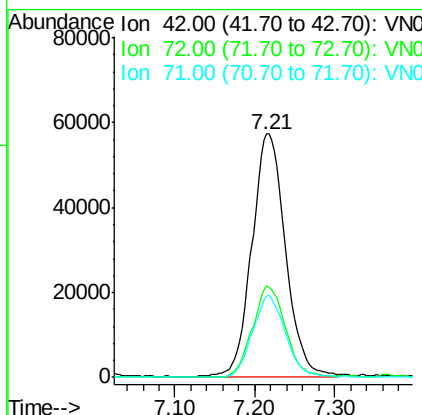
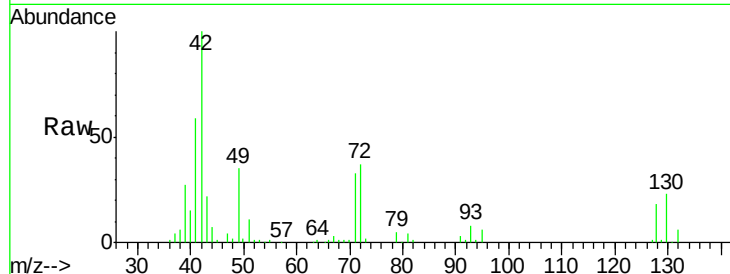
#29
Tetrahydrofuran
Concen: 120.157 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.01 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	29.4	44.0
71	32.7	27.8	41.6

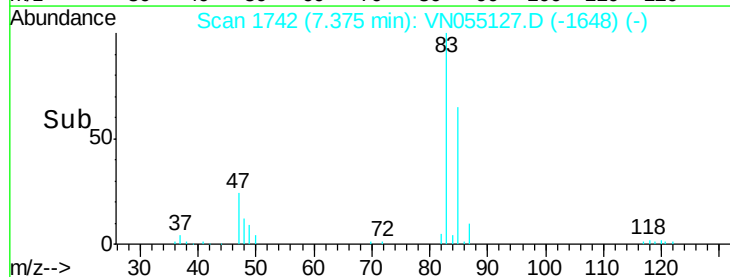
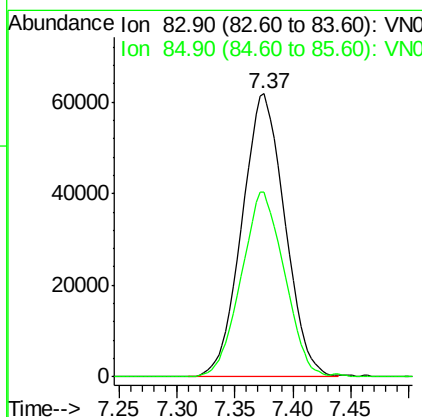
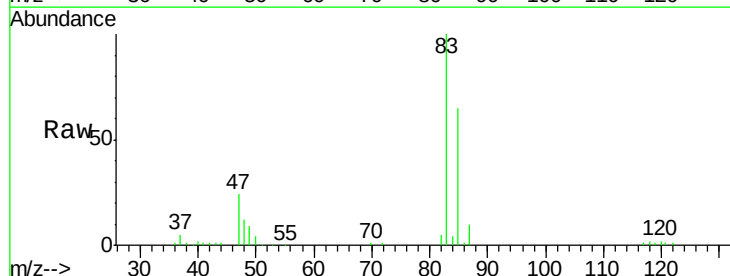
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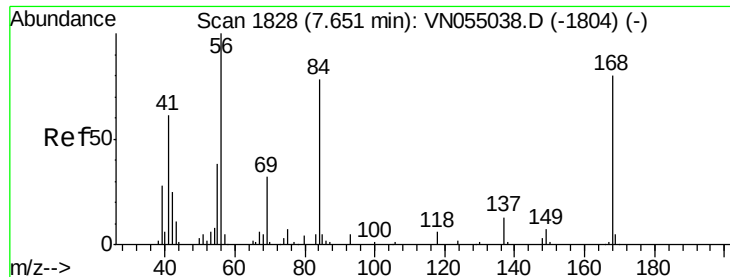
MMDadoda
4/19/2019 5:47:33 PM



#30
Chloroform
Concen: 19.649 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6





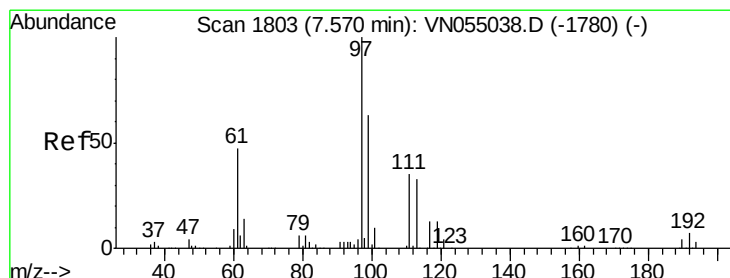
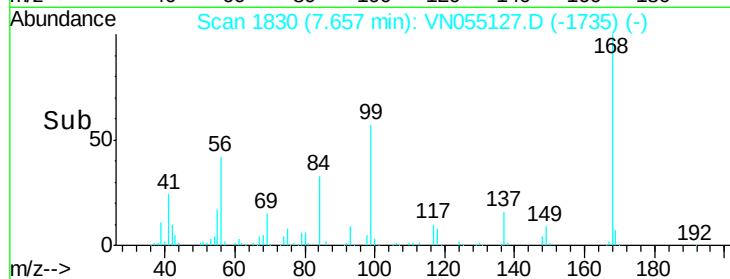
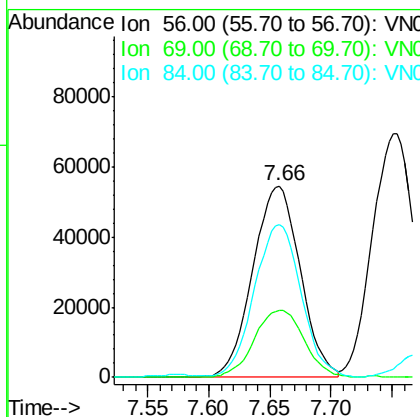
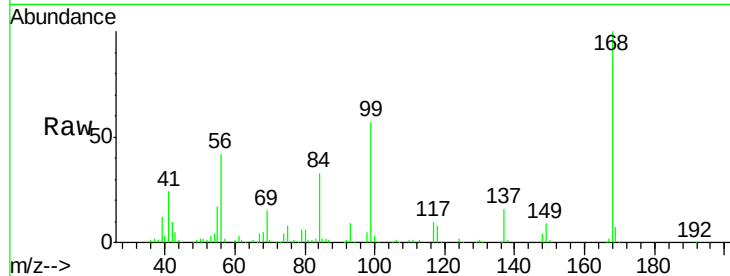
#31
Cyclohexane
Concen: 19.225 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBSD01

Tot Ion	56	Resp	147525
Ion Ratio	Lower	Upper	
56	100		
69	34.7	24.5	36.7
84	78.6	62.9	94.3

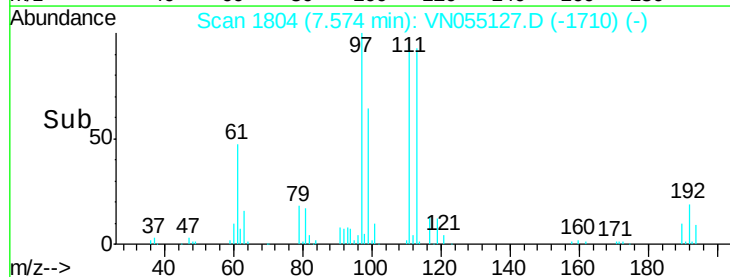
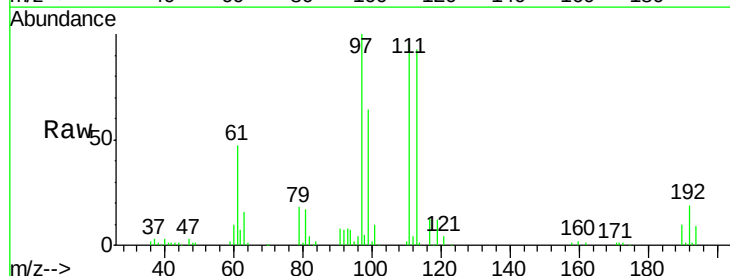
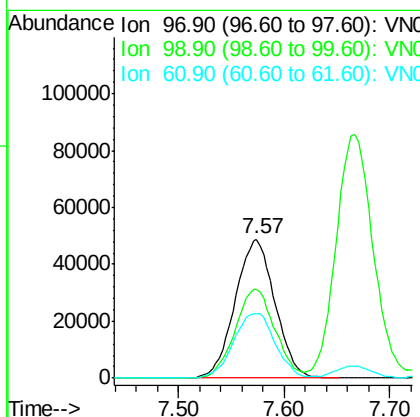
Manual Integrations
APPROVED

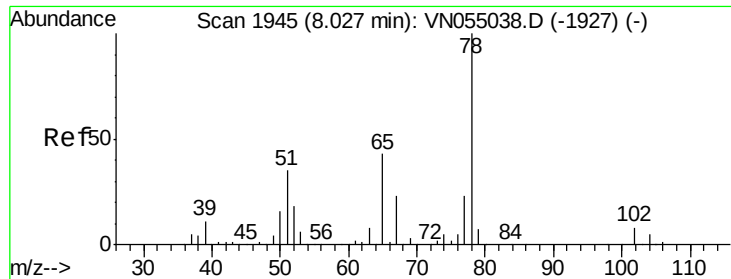
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.868 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion	97	Resp	127605
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.6	77.4
61	48.8	38.3	57.5





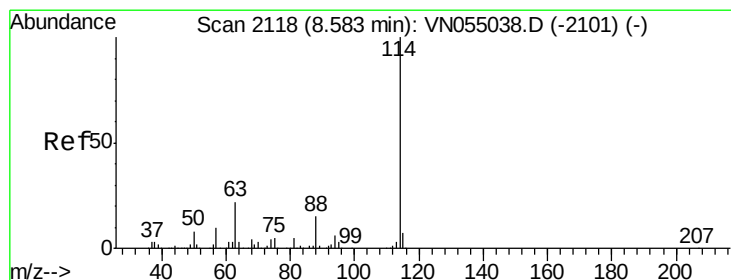
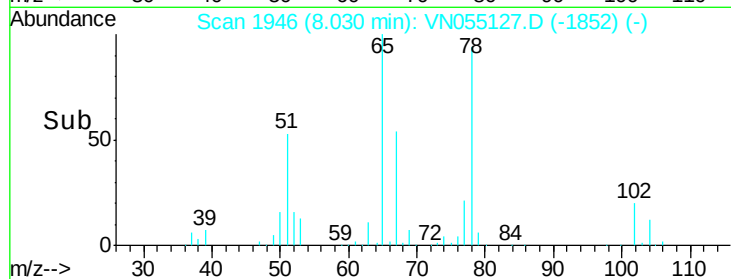
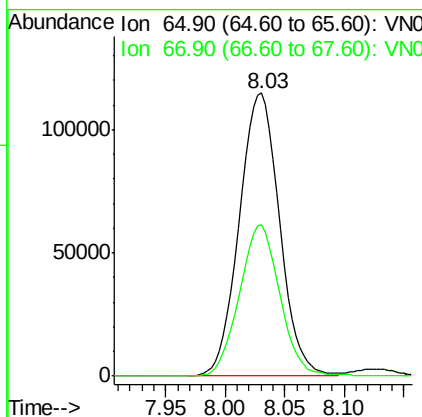
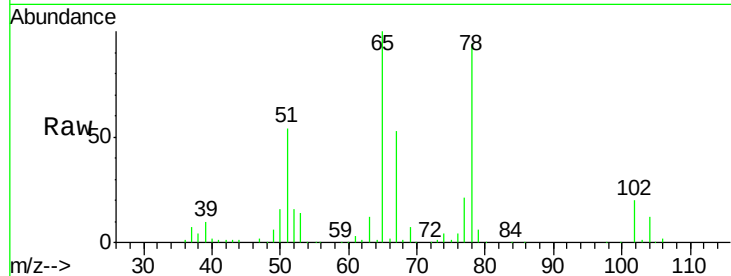
#33
 1,2-Dichloroethane-d4
 Concen: 51.789 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0418WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	270132		
67	53.6	0.0	106.4	

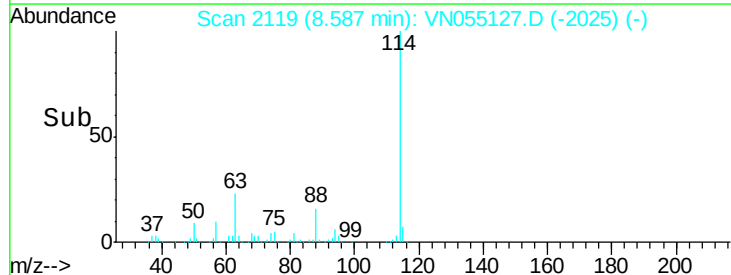
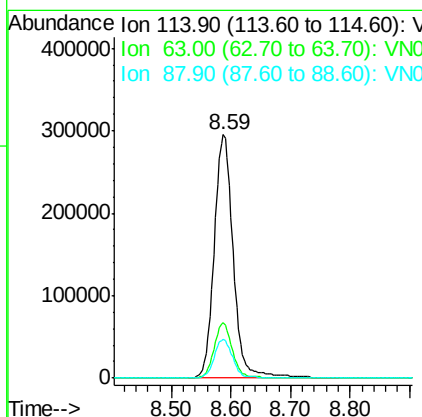
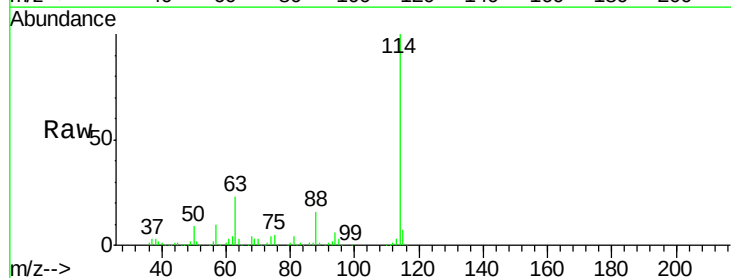
Manual Integrations
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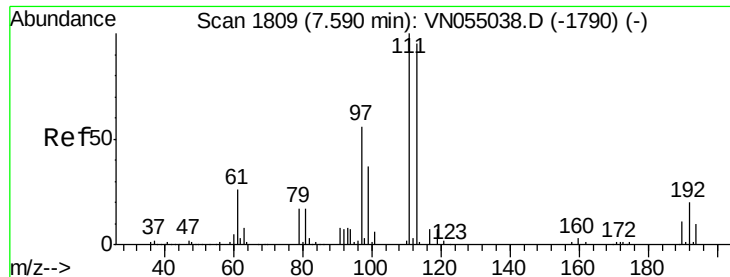
MMDadoda
 4/19/2019 5:47:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	654760		
63	22.8	0.0	45.2	
88	15.7	0.0	31.8	





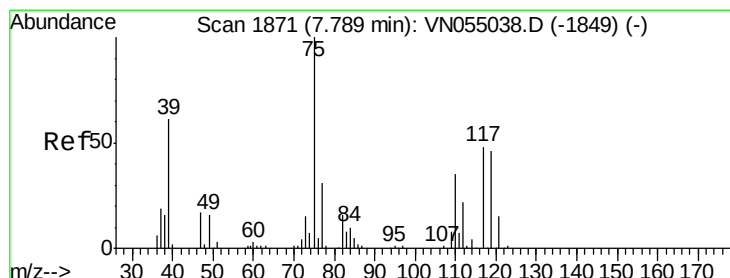
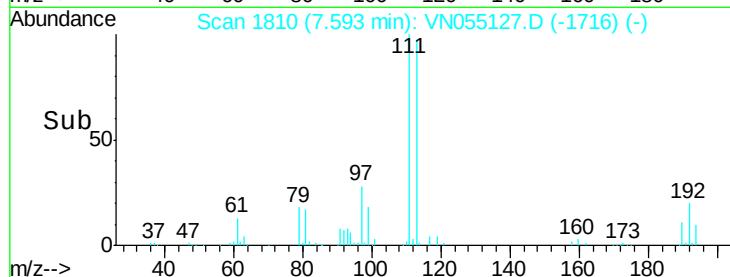
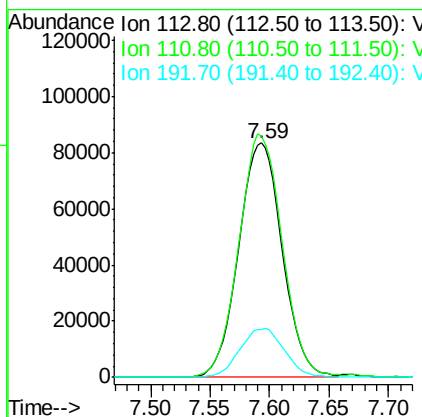
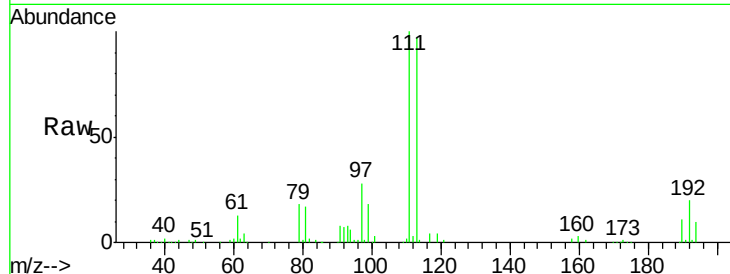
#35
 Dibromofluoromethane
 Concen: 48.349 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	82.1	123.1	
192	21.3	16.5	24.7	

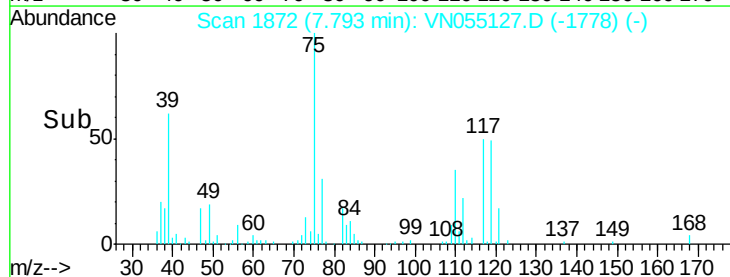
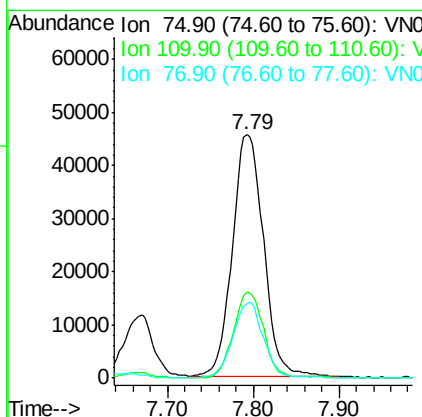
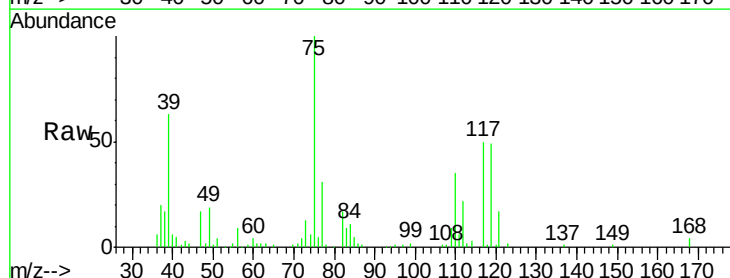
Manual Integrations
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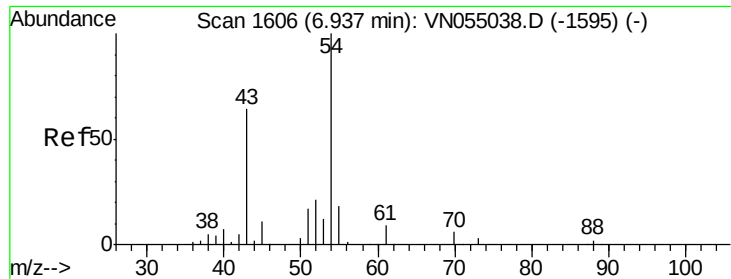
MMDadoda
 4/19/2019 5:47:33 PM



#36
 1,1-Dichloropropene
 Concen: 18.569 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.1	17.5	52.5	
77	30.9	24.9	37.3	





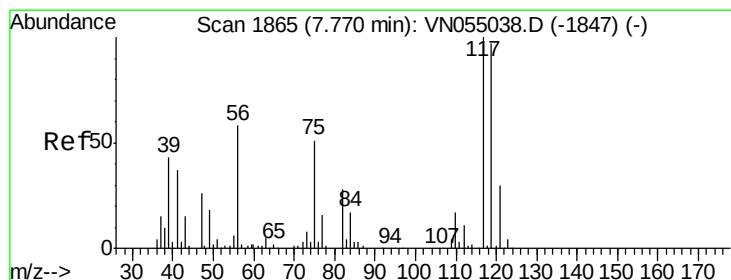
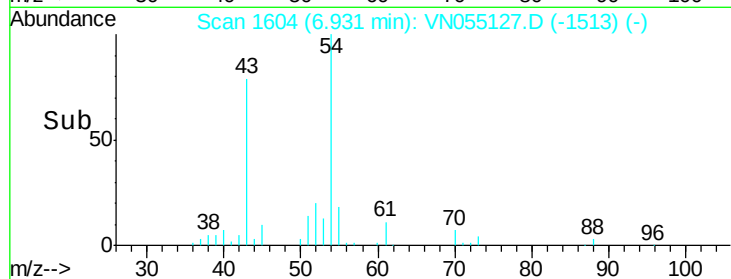
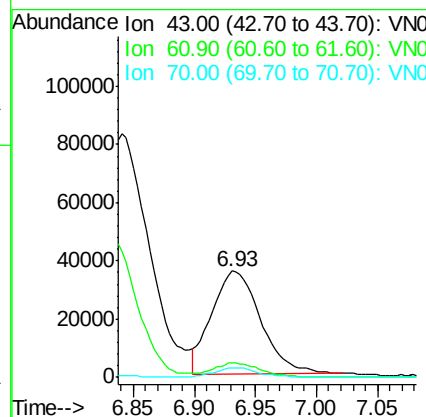
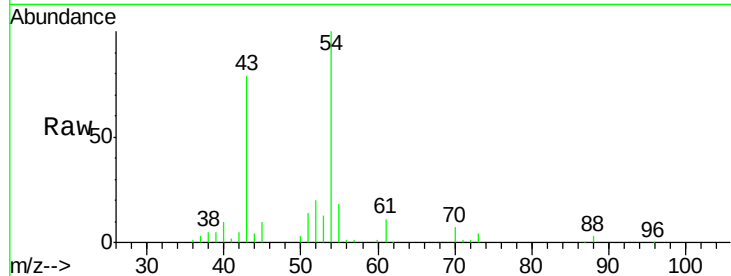
#37
Ethyl Acetate
Concen: 19.974 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBSD01

Tot Ion	43	61	70
Resp	100371		
Ratio	100	12.4	8.4
Lower		10.0	7.1
Upper		15.0	10.7

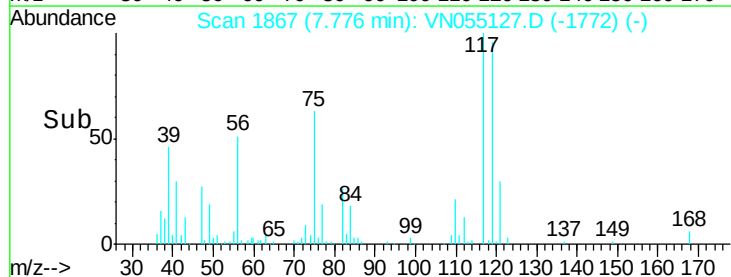
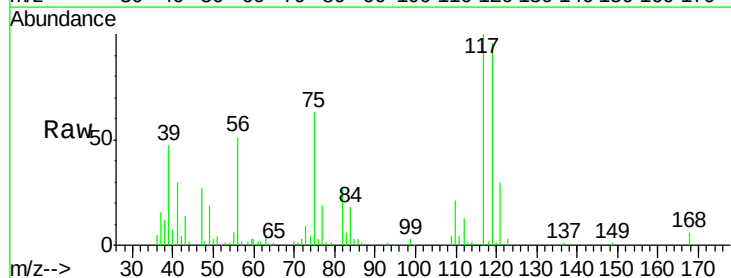
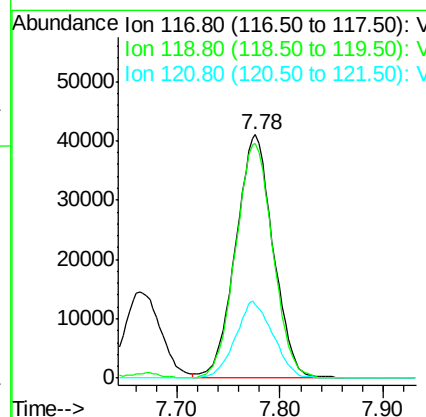
Manual Integrations
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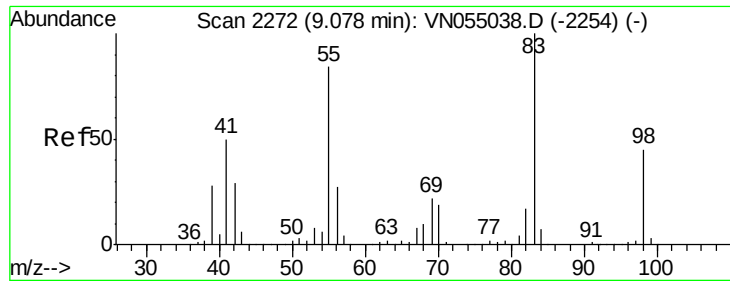
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#38
Carbon Tetrachloride
Concen: 17.673 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion	117	119	121
Resp	103784		
Ratio	100	96.4	30.3
Lower		76.3	23.9
Upper		114.5	35.9





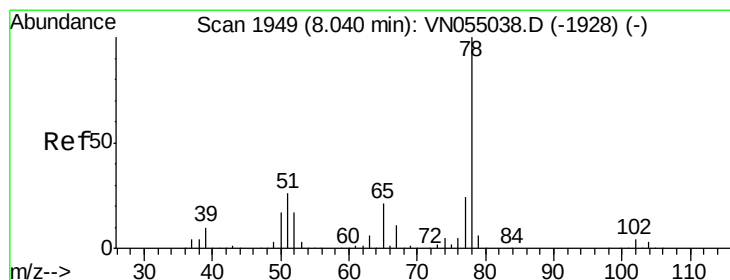
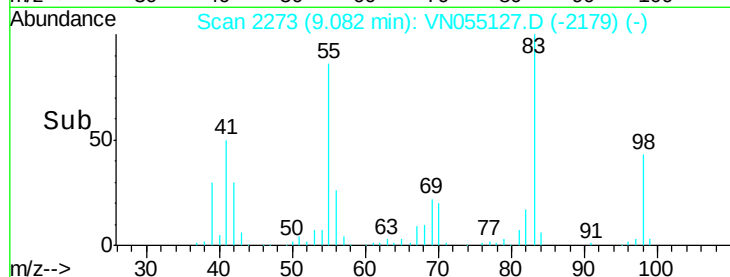
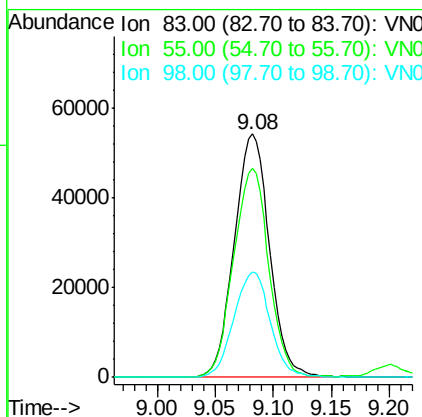
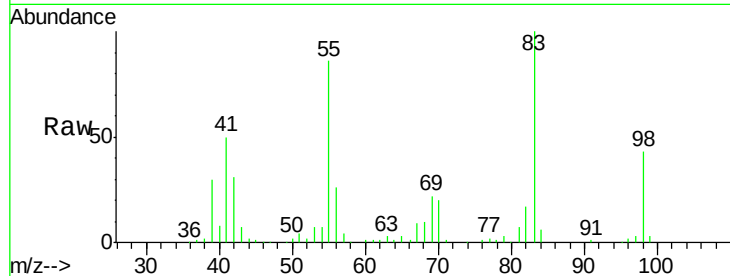
#39
Methylvlcyclohexane
Concen: 17.153 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBSD01

Tot Ion	83.00	Resp	114725
Ion Ratio	Lower	Upper	
83	100		
55	86.1	67.0	100.4
98	43.3	35.6	53.4

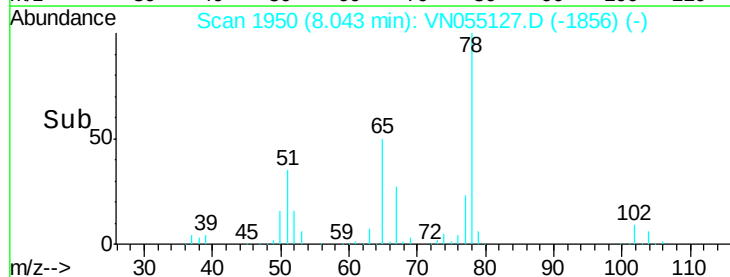
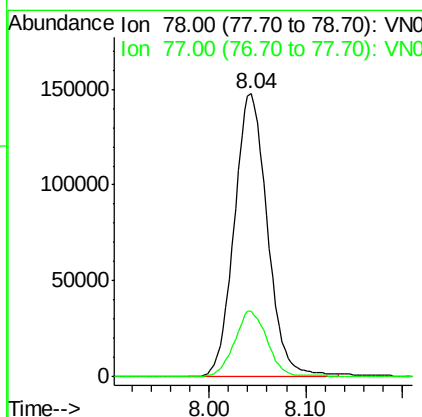
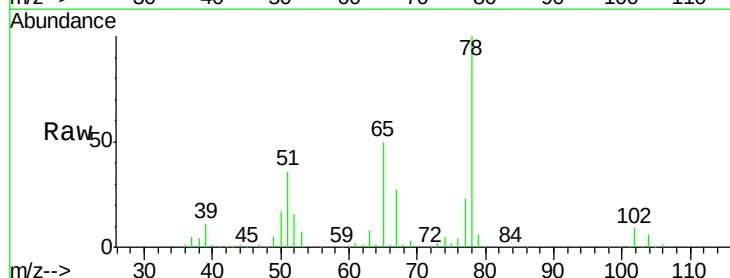
Manual Integrations
APPROVED

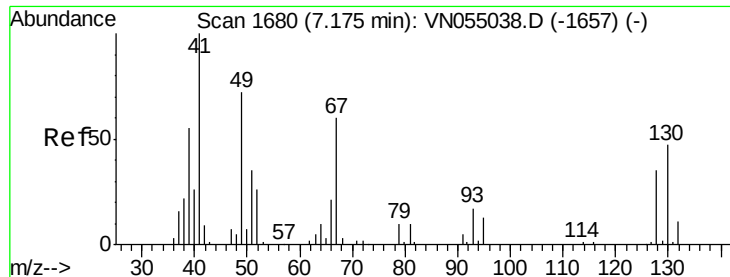
MMDadoda
4/19/2019 5:47:33 PM



#40
Benzene
Concen: 18.911 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion	78.00	Resp	351800
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.8	28.2





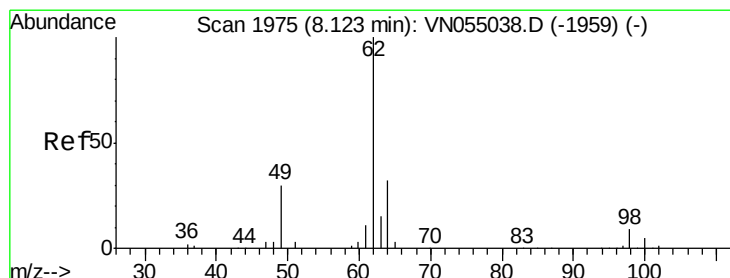
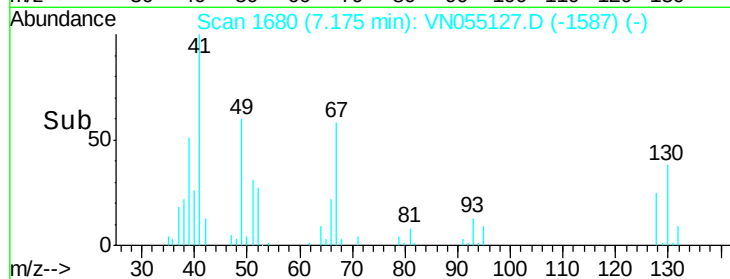
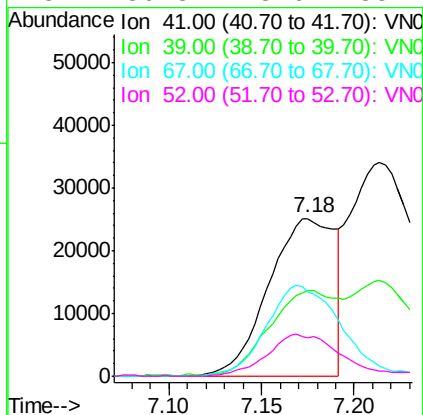
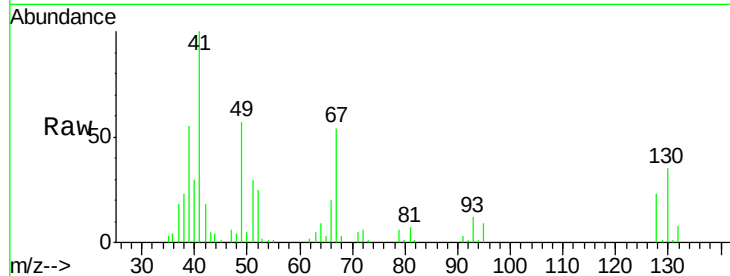
#41
Methacrylonitrile
Concen: 22.365 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBSD01

Tot Ion	41	Resp	62385
Ion	Ratio	Lower	Upper
41	100		
39	55.9	45.6	68.4
67	65.0	57.0	85.6
52	30.3	23.6	35.4

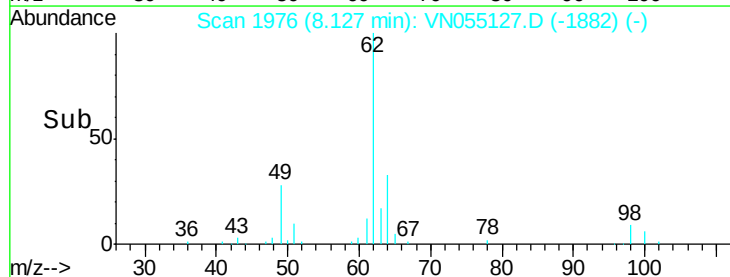
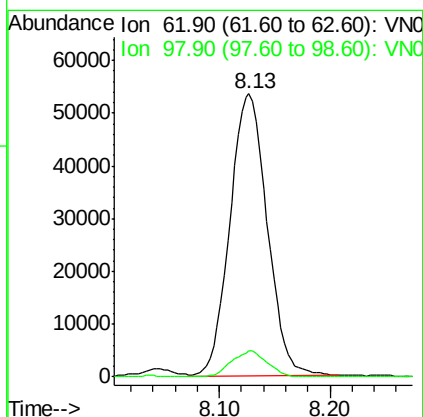
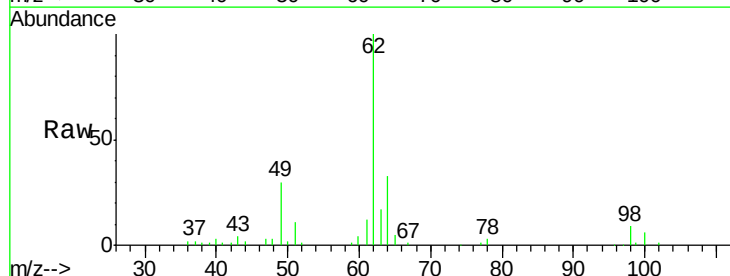
Manual Integrations
APPROVED

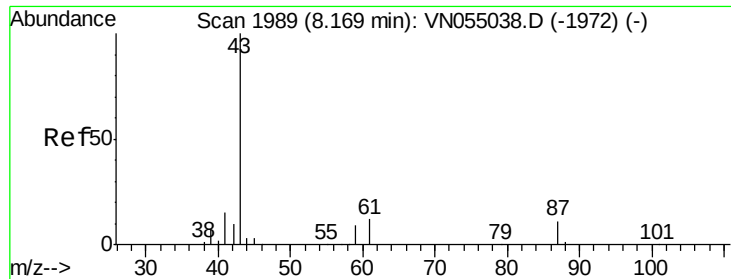
MMDadoda
4/19/2019 5:47:33 PM



#42
1,2-Dichloroethane
Concen: 19.385 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion	62	Resp	125204
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.4





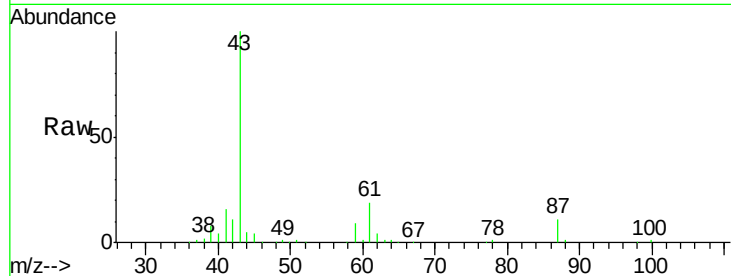
#43
Isopropyl Acetate
Concen: 23.338 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.3	21.5
87	10.4	8.6	13.0

Manual Integrations
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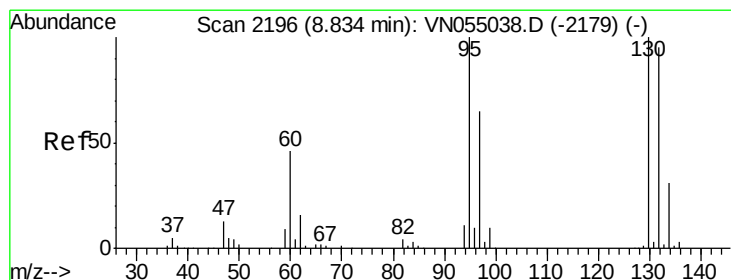
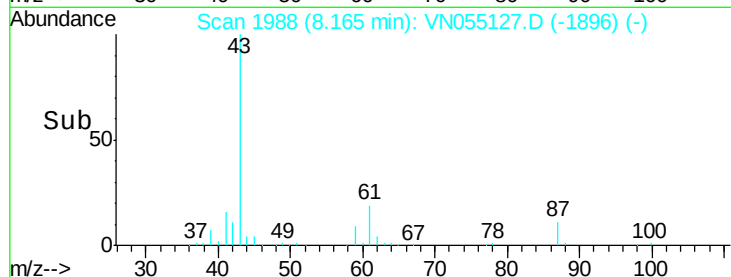
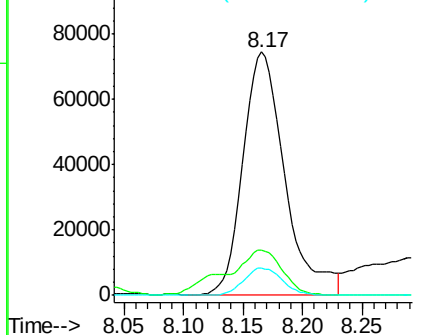
MMDadoda
4/19/2019 5:47:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VN055127.D (-1896) (-)

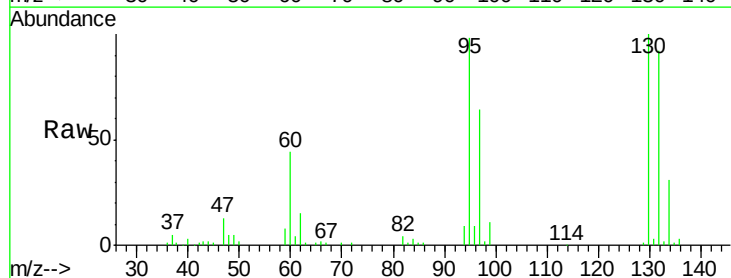
Ion 61.00 (60.70 to 61.70): VN055127.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN055127.D (-1896) (-)



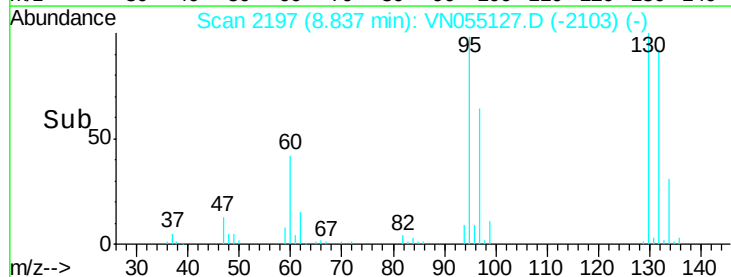
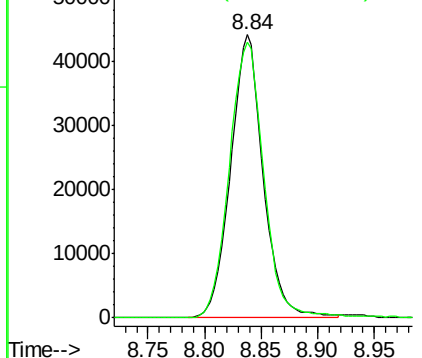
#44
Trichloroethene
Concen: 19.010 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

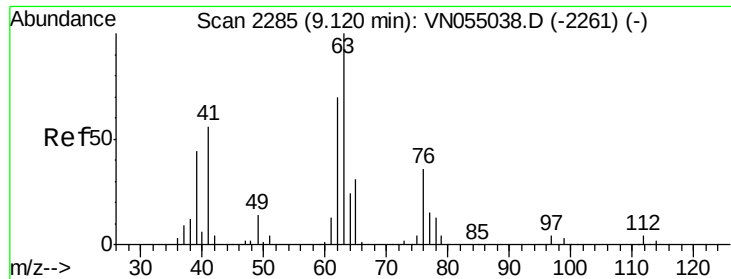
Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055127.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055127.D (-2103) (-)





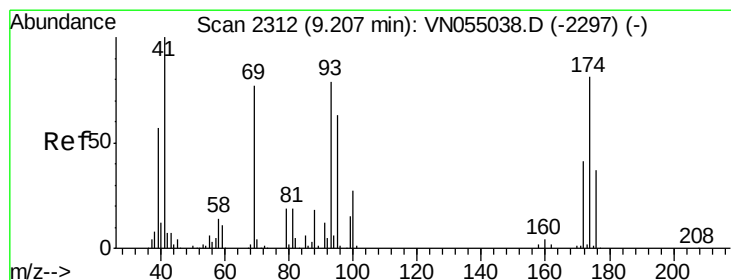
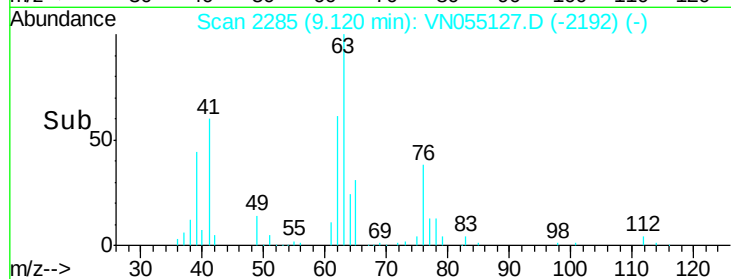
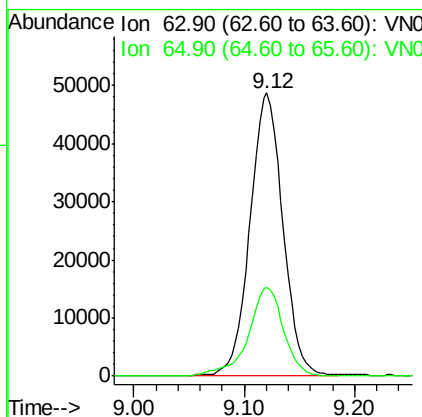
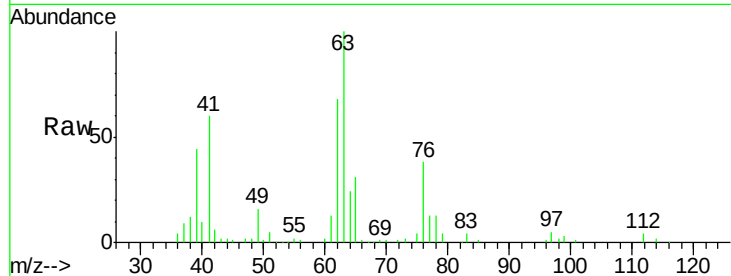
#45
 1,2-Dichloropropane
 Concen: 19.444 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBSD01

Tot Ion: 63 Resp: 100875
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.4 36.6

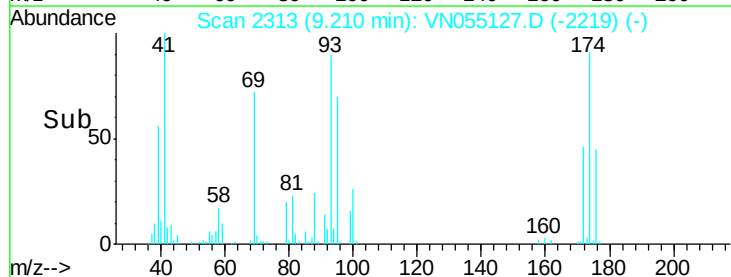
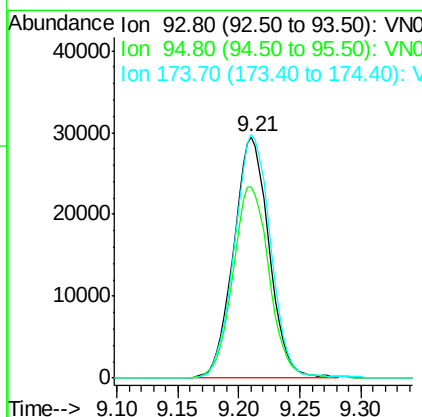
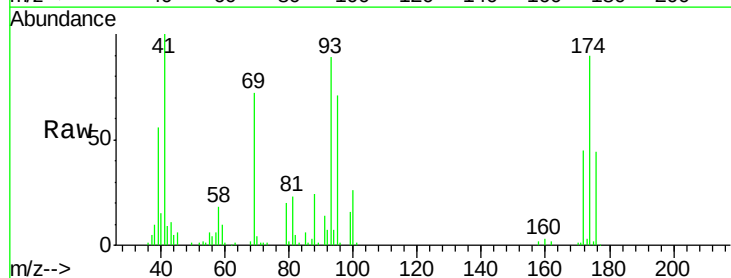
Manual Integrations
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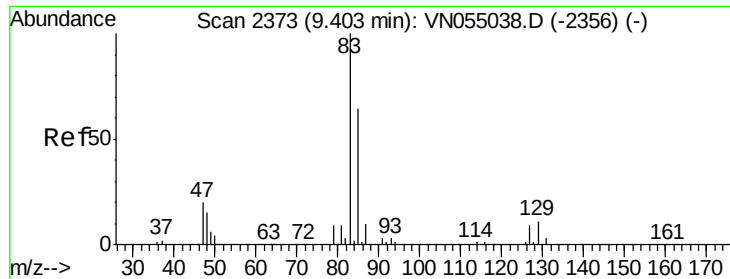
MMDadoda
 4/19/2019 5:47:33 PM



#46
 Dibromomethane
 Concen: 20.084 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Tgt Ion: 93 Resp: 59308
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.0 97.6
 174 102.4 81.0 121.6





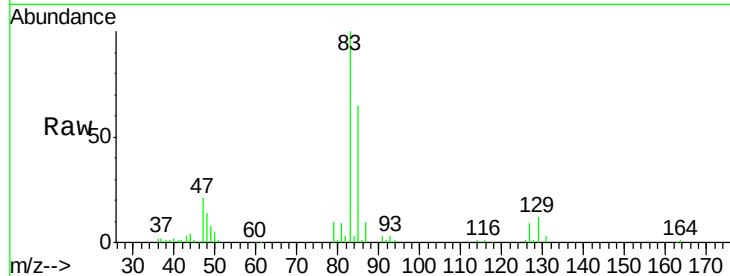
#47
Bromodichloromethane
Concen: 19.254 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBSD01

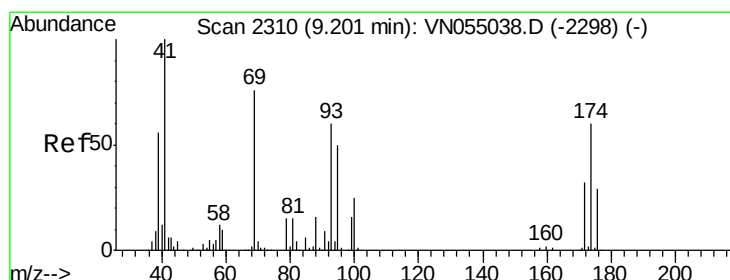
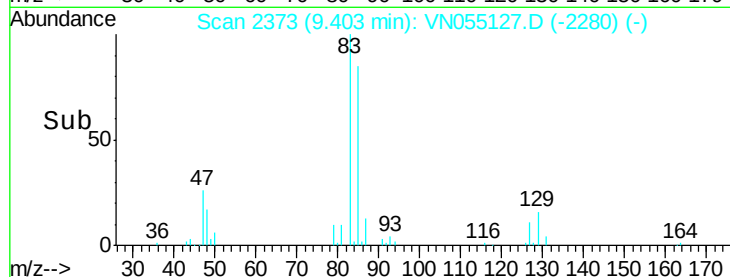
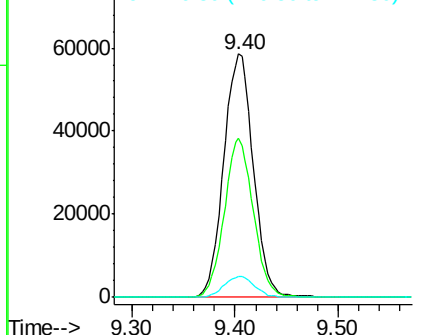
Tot Ion	Ratio	Resp	Lower	Upper
83	100	117220		
85	65.5		51.2	76.8
127	8.6		6.8	10.2

Manual Integrations
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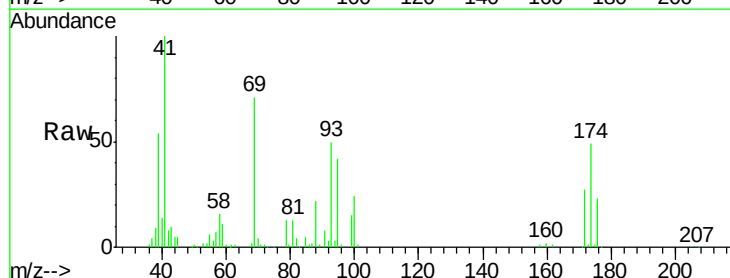


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

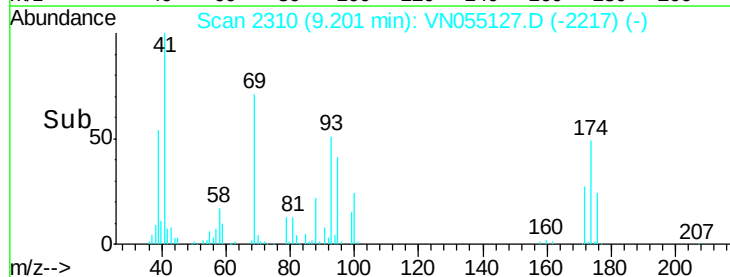
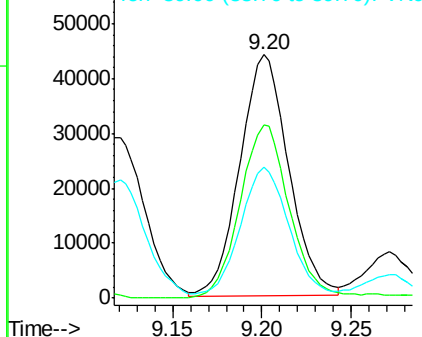


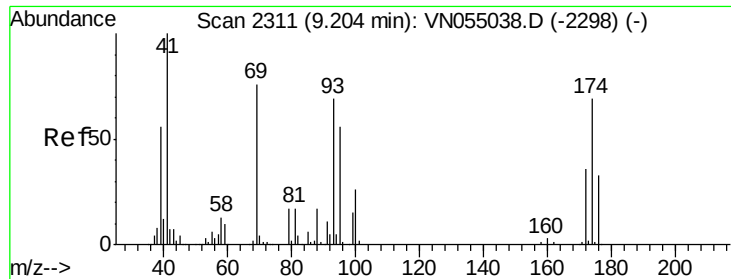
#48
Methyl methacrylate
Concen: 21.955 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	84257		
69	72.7		60.5	90.7
39	53.2		43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





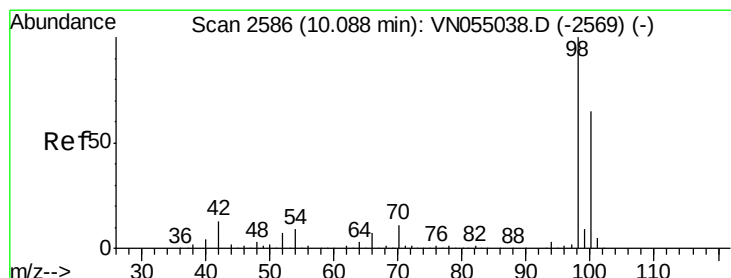
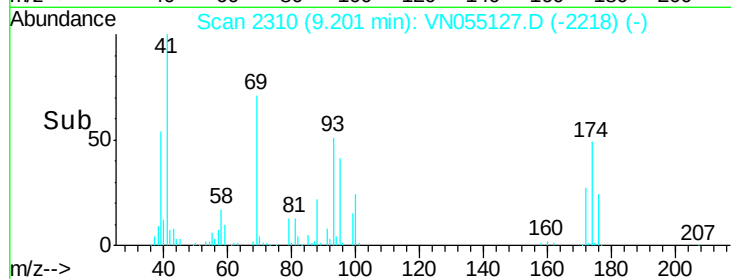
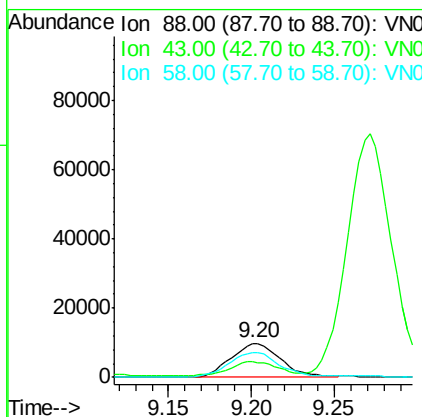
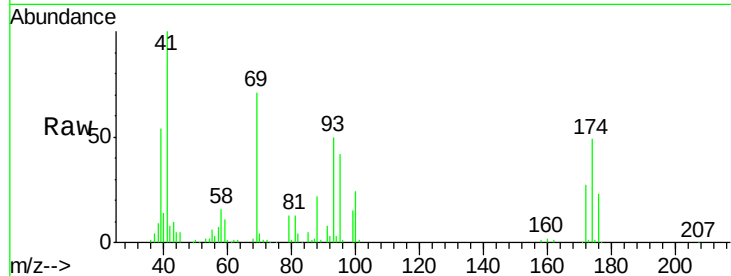
#49
1,4-Dioxane
Concen: 568.842 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	20453		
43	39.2		31.8	47.8
58	75.7		61.6	92.4

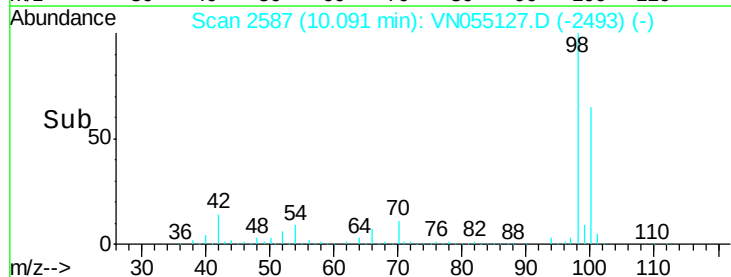
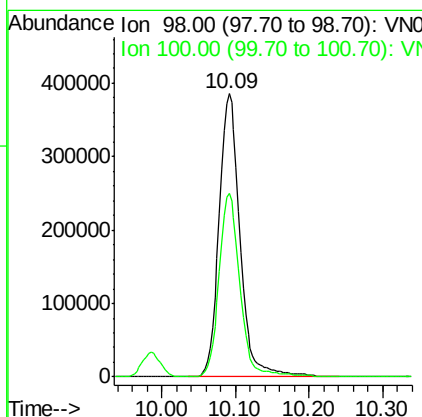
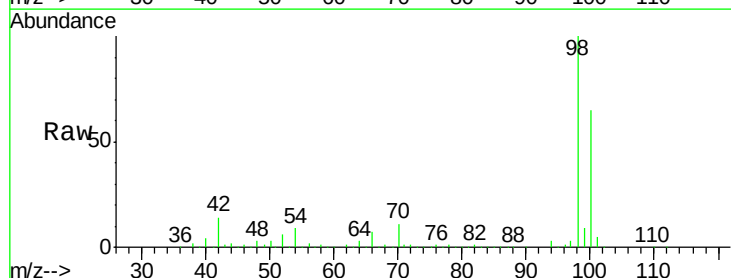
Manual Integrations
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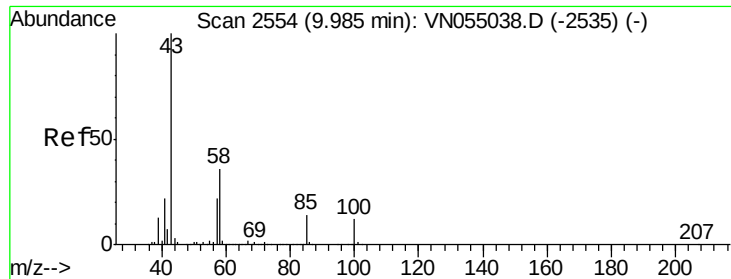
MMDadoda
4/19/2019 5:47:33 PM



#50
Toluene-d8
Concen: 48.666 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	762183		
100	64.9		51.1	76.7





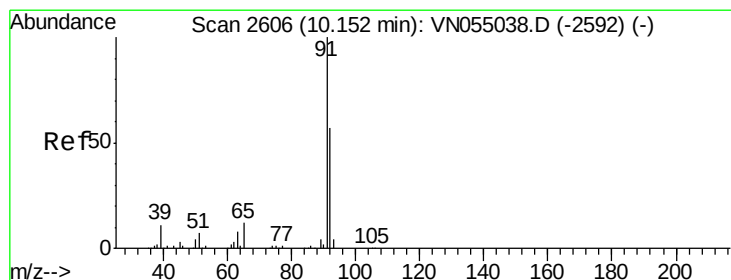
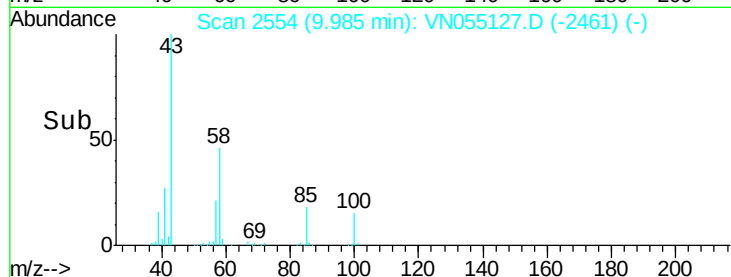
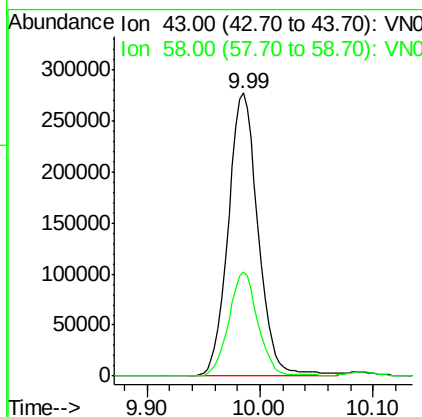
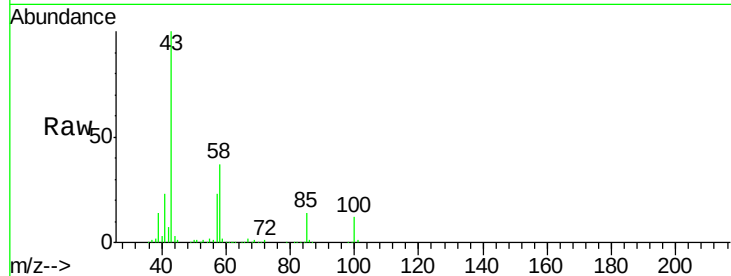
#51
 4-Methyl-2-Pentanone
 Concen: 113.556 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.0	43.4

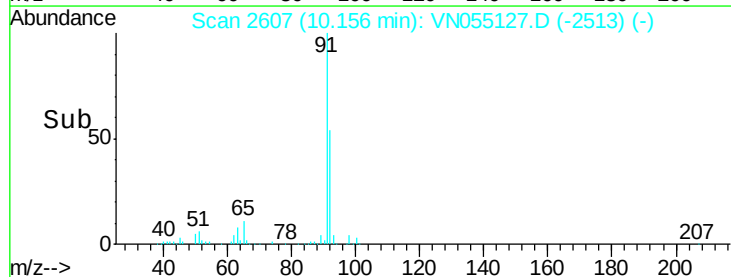
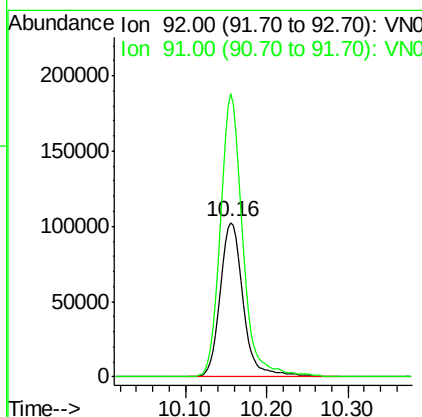
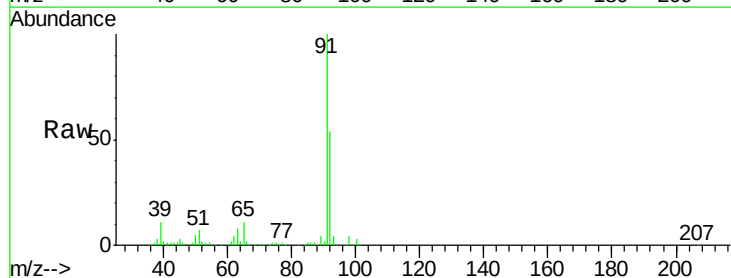
Manual Integrations
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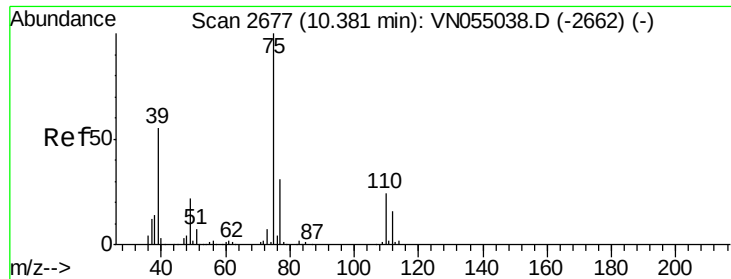
MMDadoda
 4/19/2019 5:47:33 PM



#52
 Toluene
 Concen: 19.345 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.3	140.8	211.2





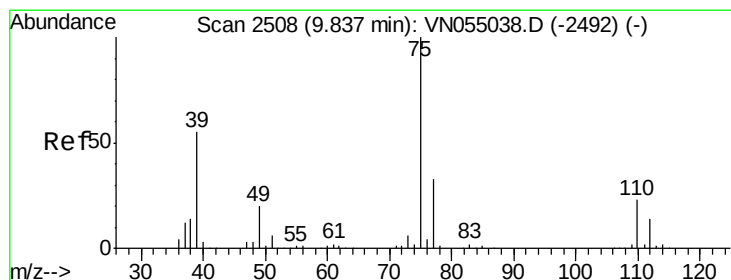
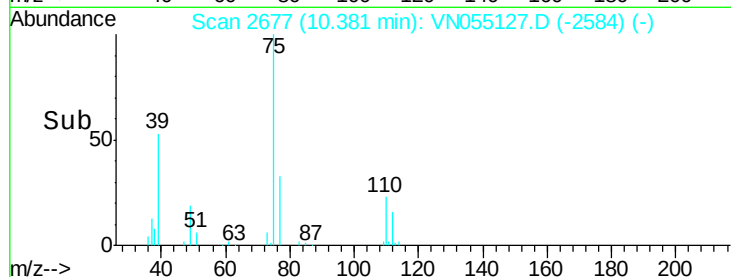
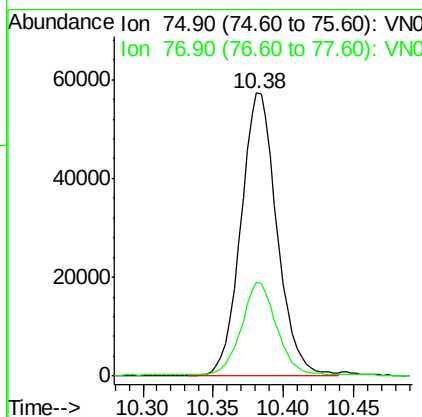
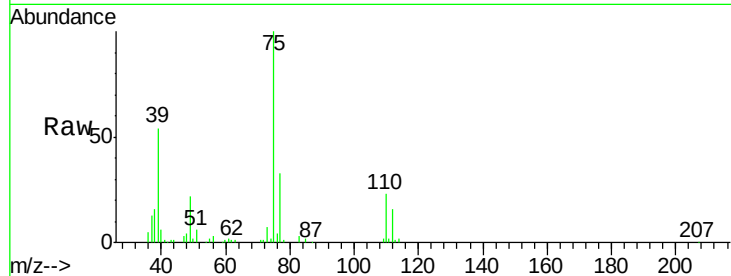
#53
t-1,3-Dichloropropene
Concen: 19.397 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBSD01

Tot Ion: 75 Resp: 103202
Ion Ratio Lower Upper
75 100
77 32.6 24.6 37.0

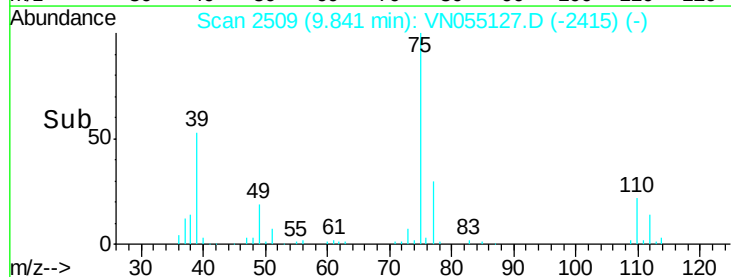
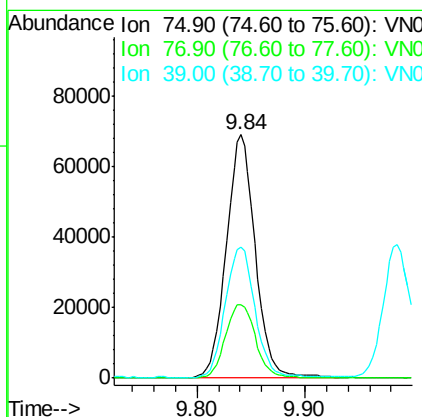
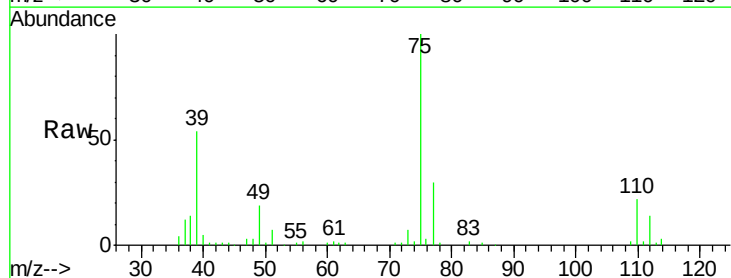
Manual Integrations
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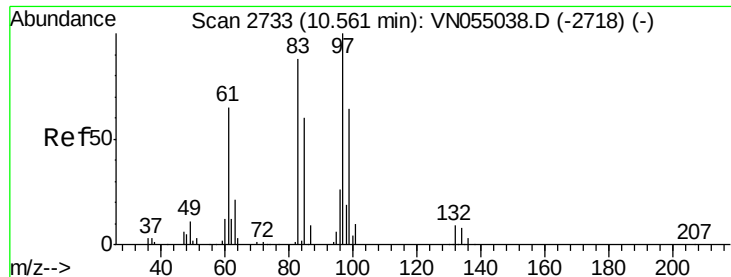
MMDadoda
4/19/2019 5:47:33 PM



#54
cis-1,3-Dichloropropene
Concen: 19.622 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion: 75 Resp: 129577
Ion Ratio Lower Upper
75 100
77 30.1 25.8 38.6
39 53.4 43.8 65.8





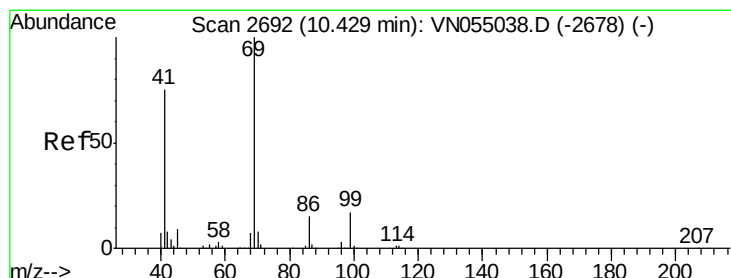
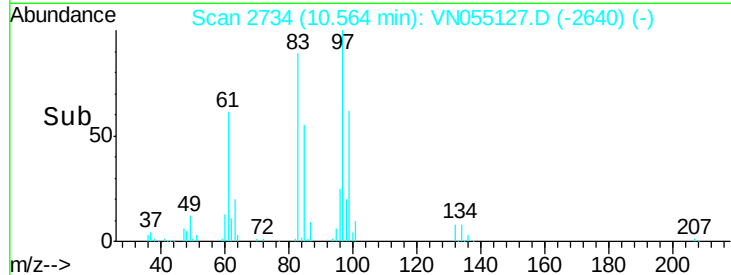
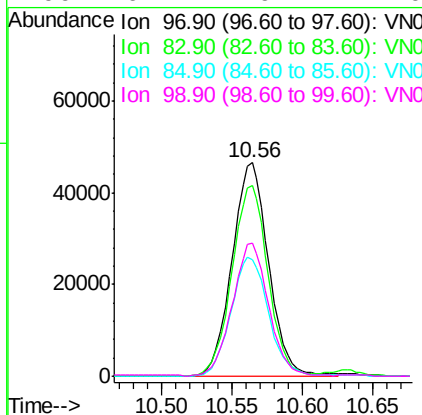
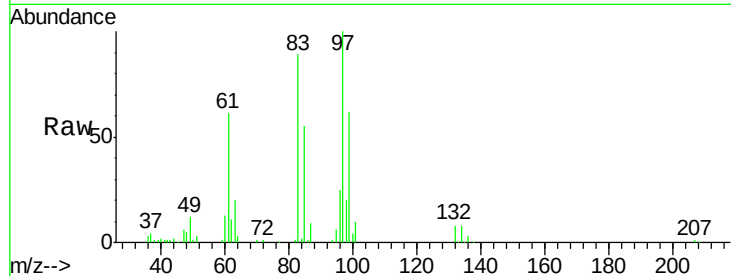
#55
 1,1,2-Trichloroethane
 Concen: 20.593 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0418WBSD01

Tot Ion:	97	Resp:	84534
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.5	105.7
85	54.6	45.5	68.3
99	62.4	49.4	74.0

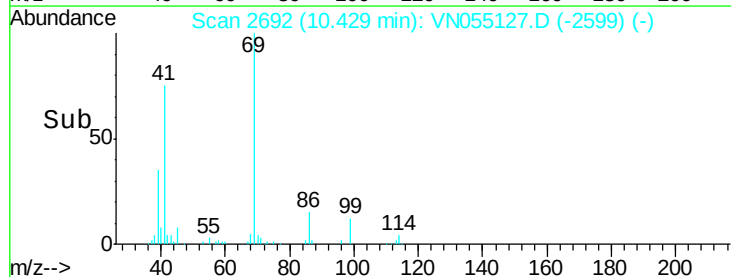
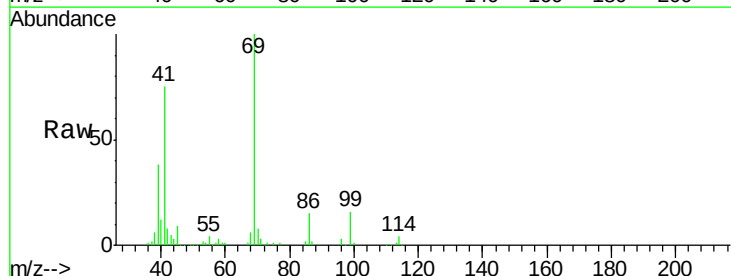
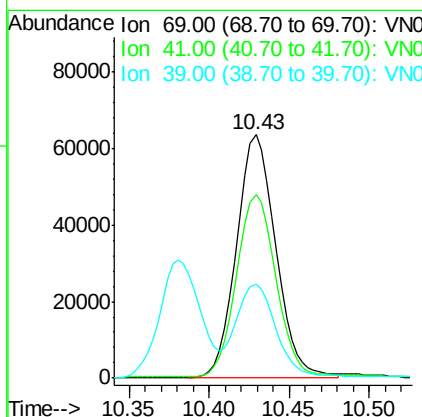
Manual Integrations
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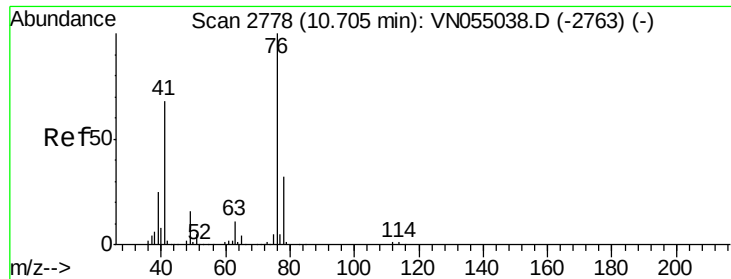
MMDadoda
 4/19/2019 5:47:33 PM



#56
 Ethyl methacrylate
 Concen: 21.634 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Tgt Ion:	69	Resp:	106577
Ion	Ratio	Lower	Upper
69	100		
41	74.9	61.4	92.0
39	38.6	30.8	46.2





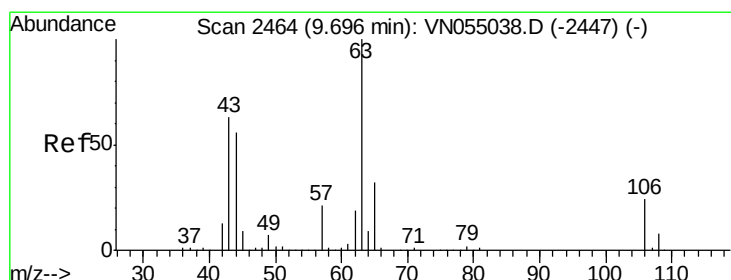
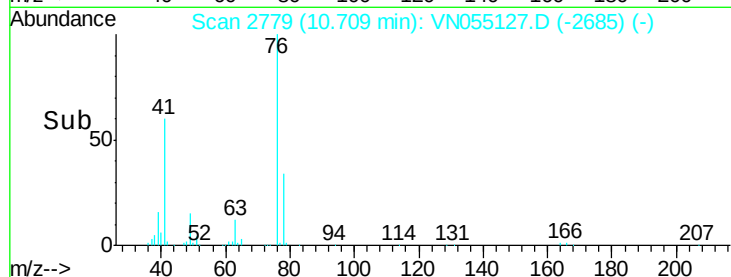
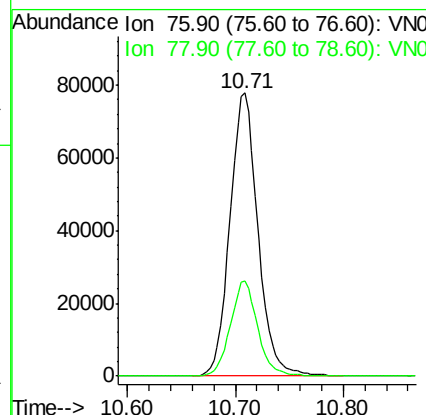
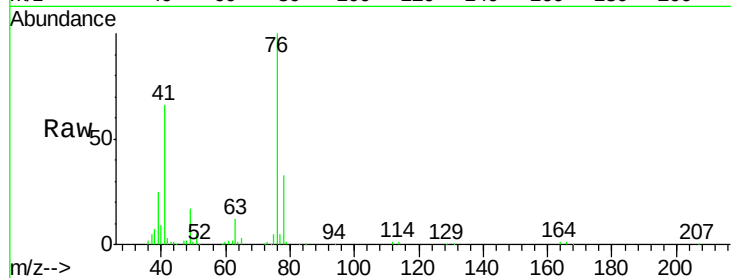
#57
 1,3-Dichloropropane
 Concen: 20.209 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBSD01

Tot Ion: 76 Resp: 141240
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4

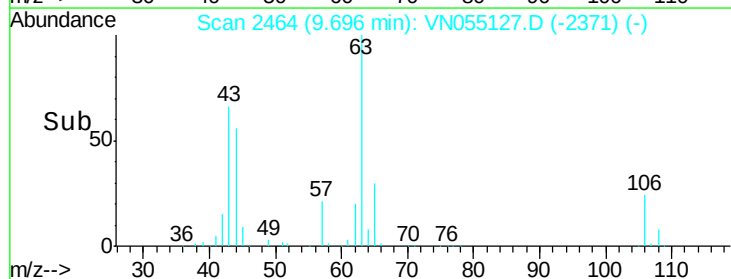
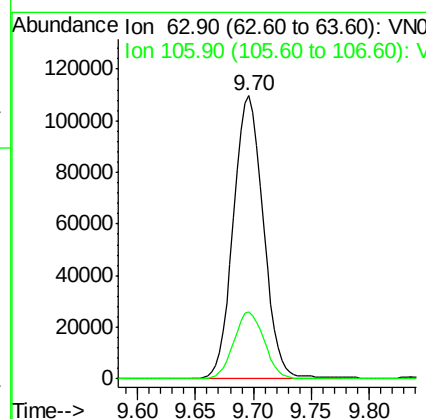
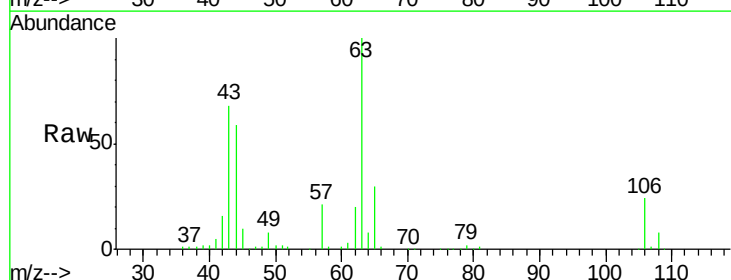
Manual Integrations
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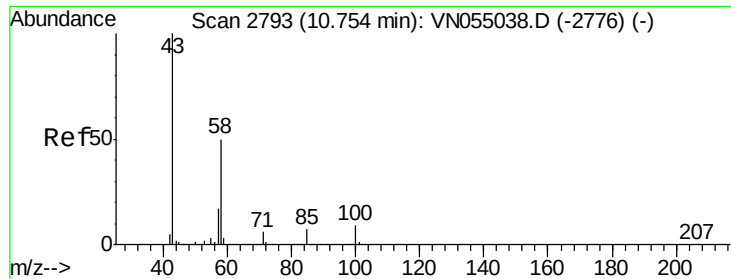
MMDadoda
 4/19/2019 5:47:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.166 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Tgt Ion: 63 Resp: 197668
 Ion Ratio Lower Upper
 63 100
 106 23.8 20.0 30.0





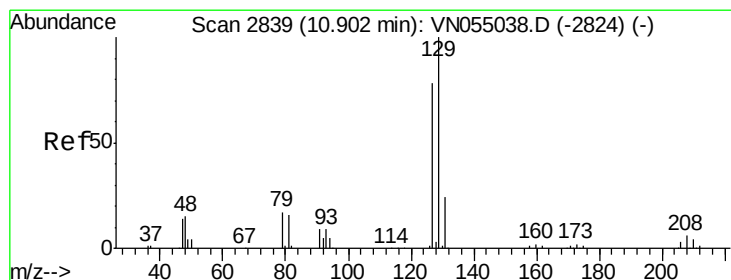
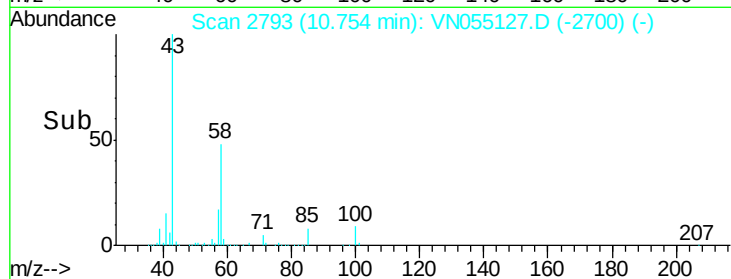
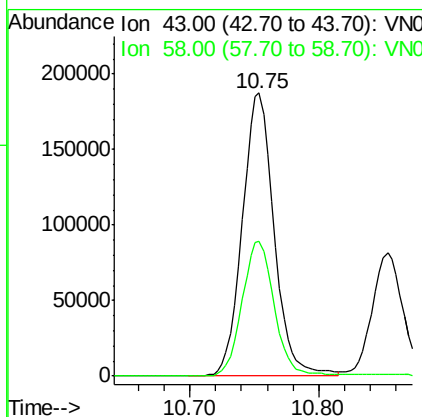
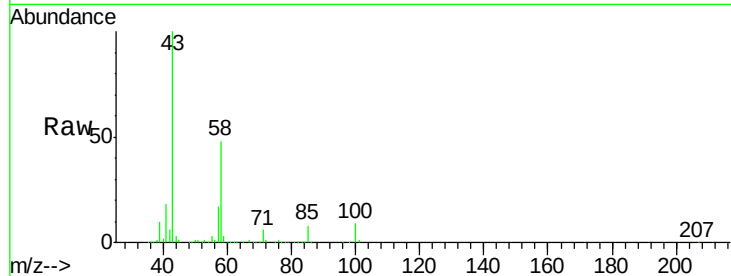
#59
2-Hexanone
Concen: 113.872 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBSD01

Tot Ion: 43 Resp: 319936
Ion Ratio Lower Upper
43 100
58 48.5 25.1 75.2

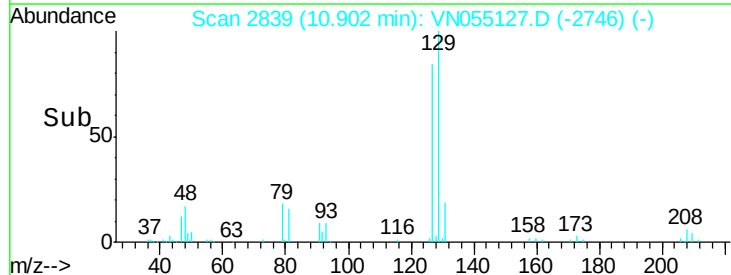
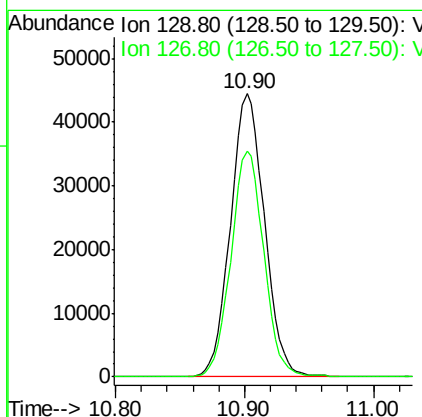
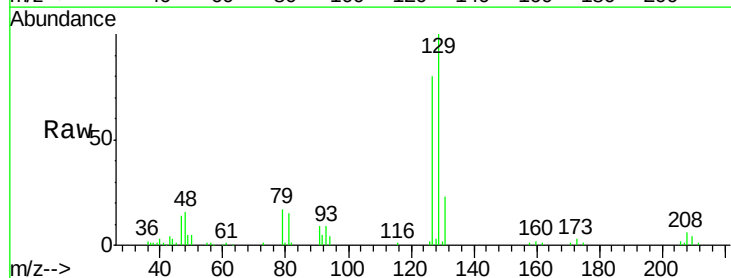
Manual Integrations
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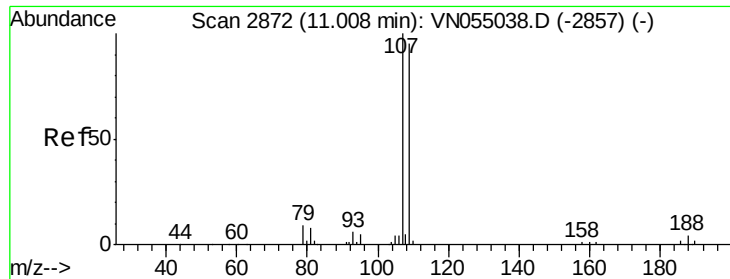
MMDadoda
4/19/2019 5:47:33 PM



#60
Dibromochloromethane
Concen: 20.350 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion: 129 Resp: 81572
Ion Ratio Lower Upper
129 100
127 76.8 38.2 114.6





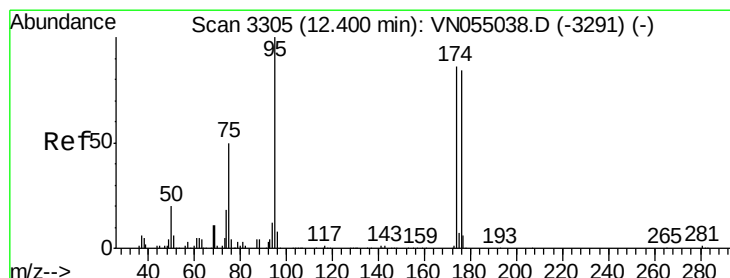
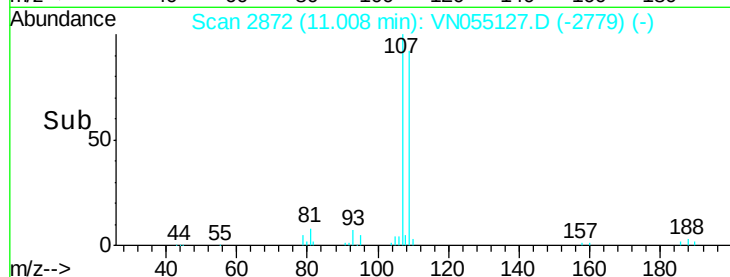
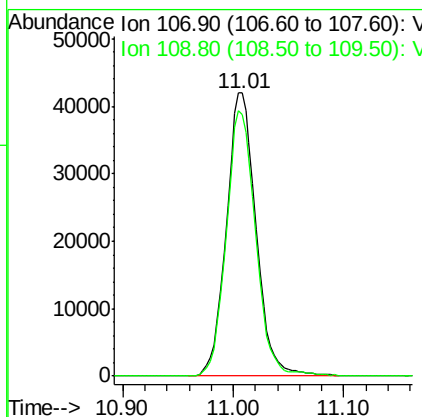
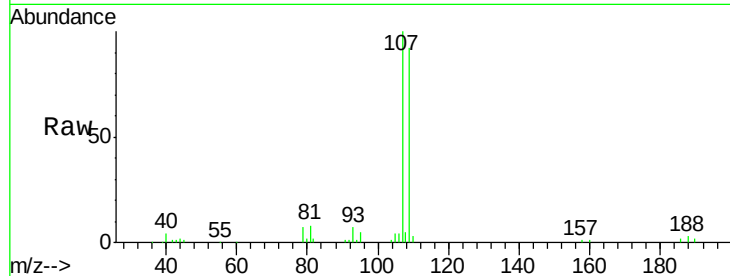
#61
 1,2-Dibromoethane
 Concen: 20.711 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.5	114.7

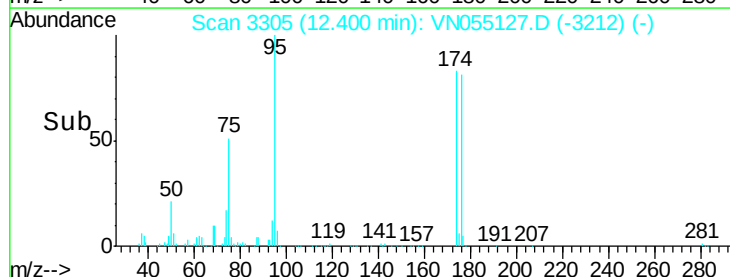
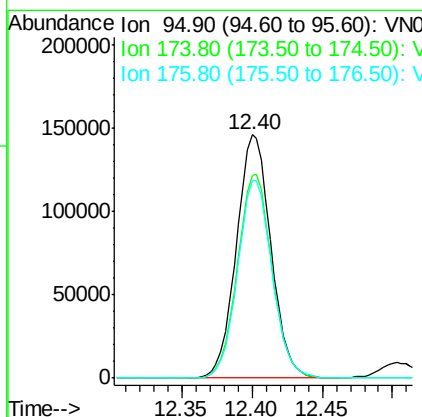
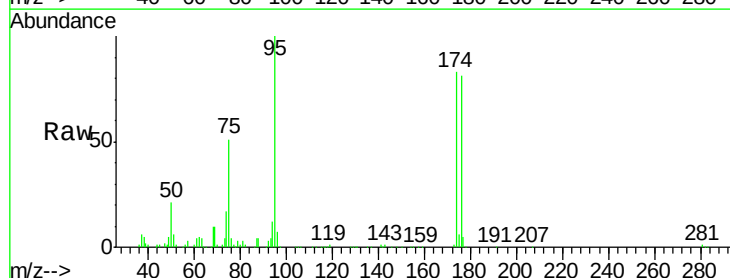
Manual Integrations
 APPROVED

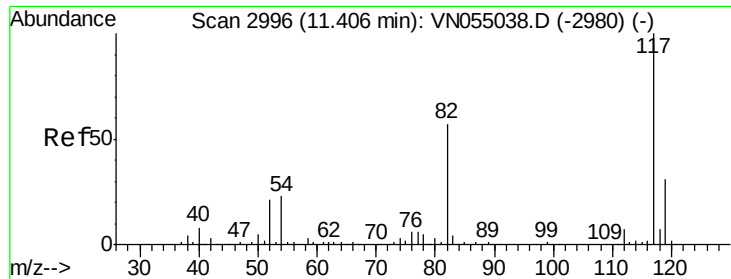
MMDadoda
 4/19/2019 5:47:33 PM



#62
 4-Bromofluorobenzene
 Concen: 49.180 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	174.4
176	81.4	0.0	166.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

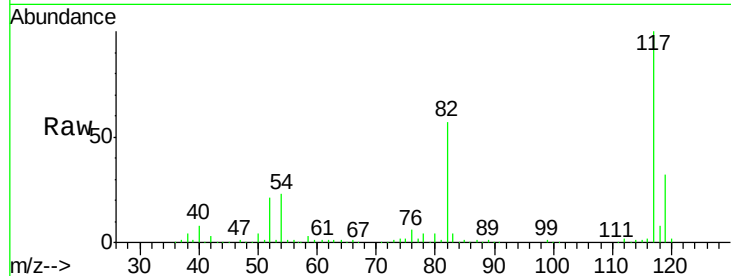
ClientSampleId :

VN0418WBSD01

Tot Ion:	117	Resp:	557167
Ion Ratio		Lower	Upper
117	100		
82	56.7	44.6	66.8
119	32.2	25.5	38.3

Manual Integrations
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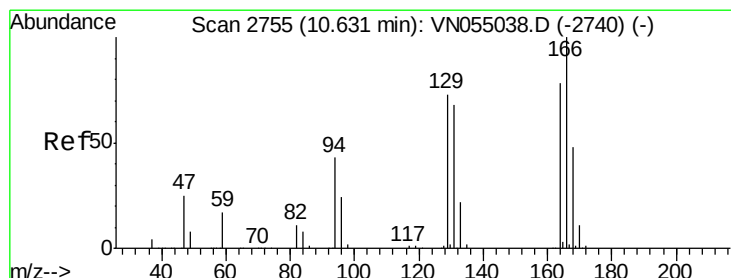
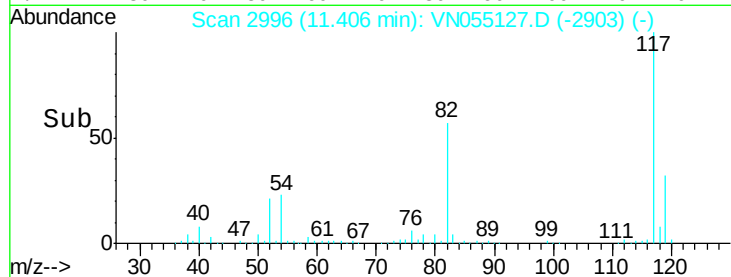
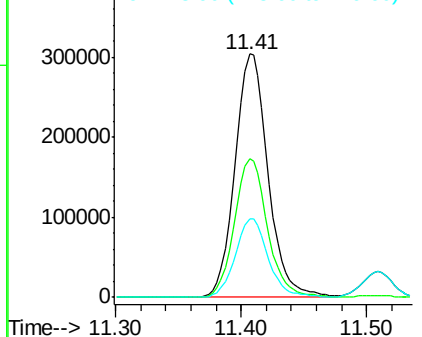


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.924 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Tgt Ion:	164	Resp:	85740
Ion Ratio		Lower	Upper
164	100		
166	130.4	100.0	150.0
129	91.5	72.0	108.0
131	86.2	69.7	104.5

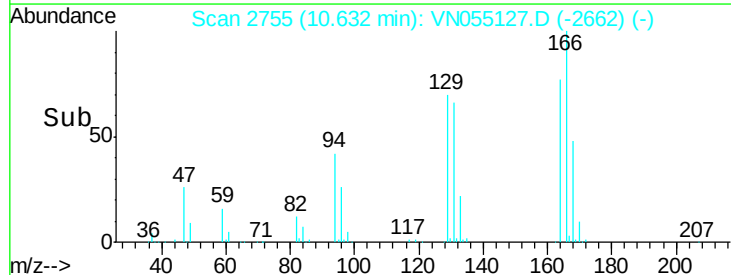
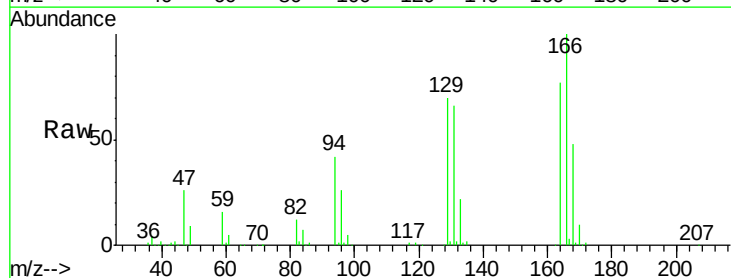
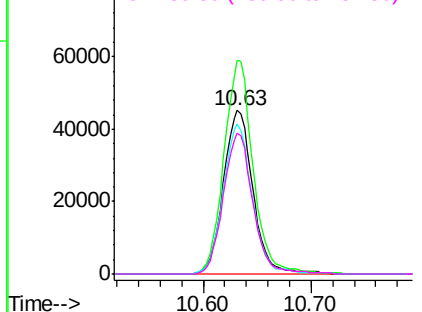
Abundance

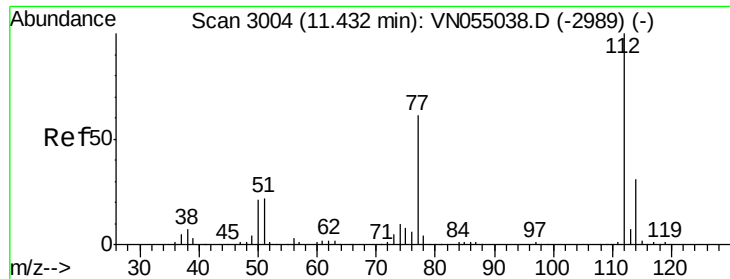
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





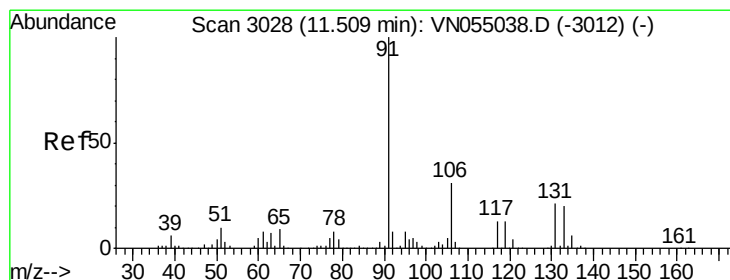
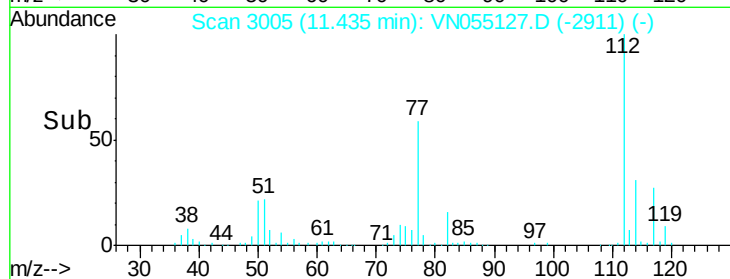
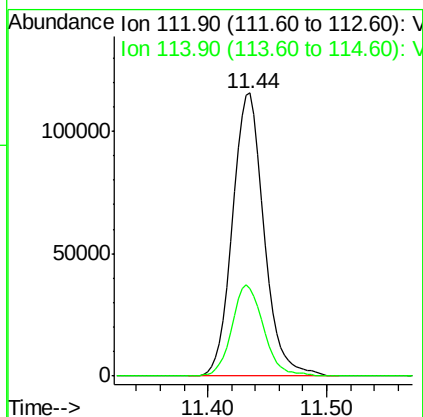
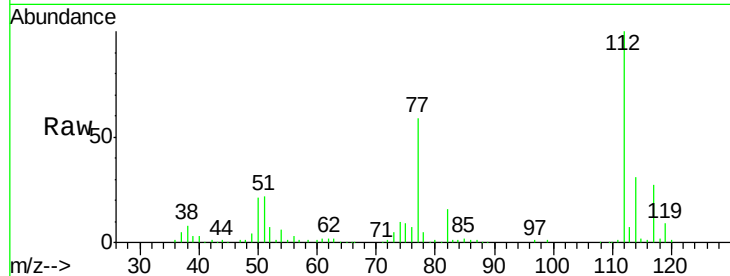
#65
Chlorobenzene
Concen: 18.918 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampled :
VN0418WBSD01

Tot Ion:112 Resp: 212168
Ion Ratio Lower Upper
112 100
114 30.9 25.3 37.9

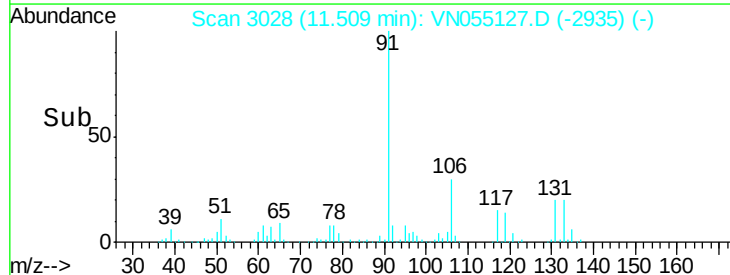
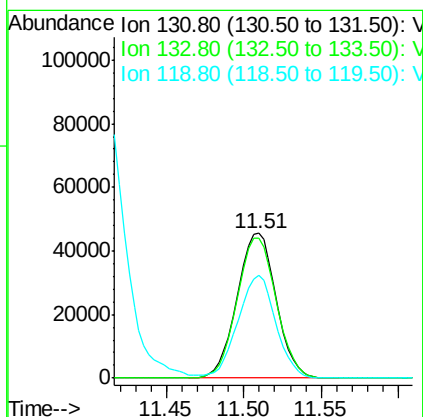
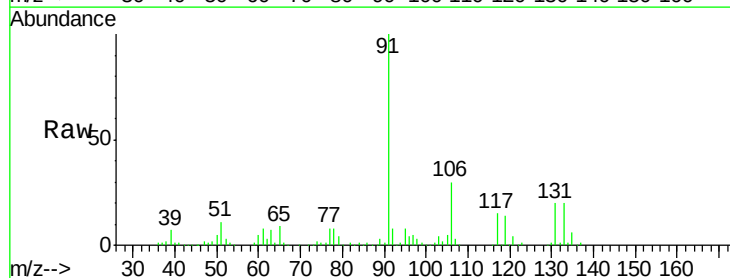
Manual Integrations
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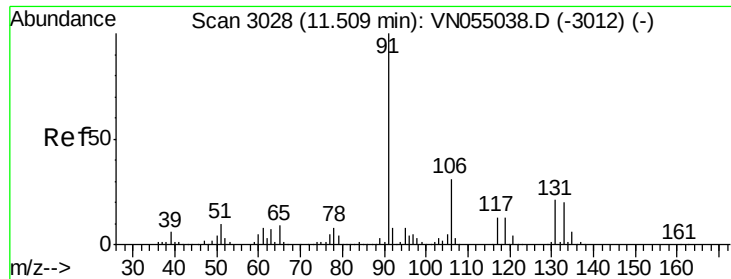
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.451 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion:131 Resp: 80233
Ion Ratio Lower Upper
131 100
133 96.7 47.8 143.3
119 68.7 33.6 100.6





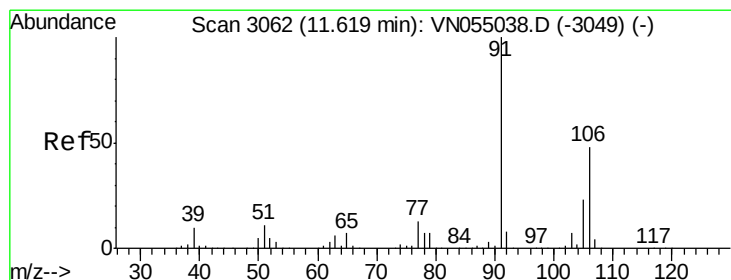
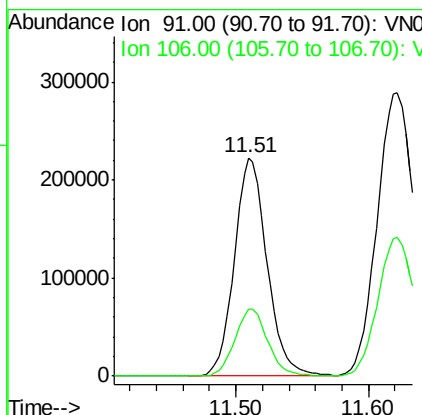
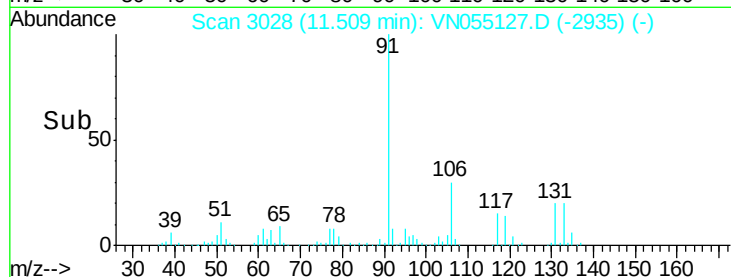
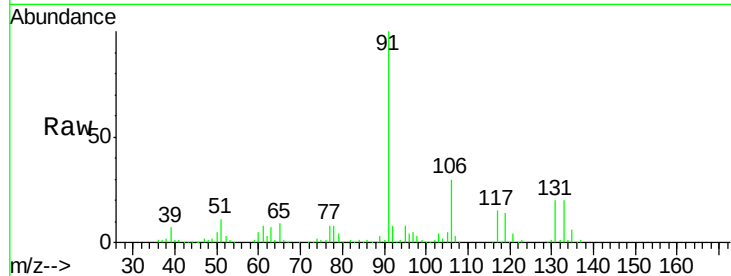
#67
Ethyl Benzene
Concen: 19.046 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampled :
VN0418WBSD01

Tot Ion: 91 Resp: 381454
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

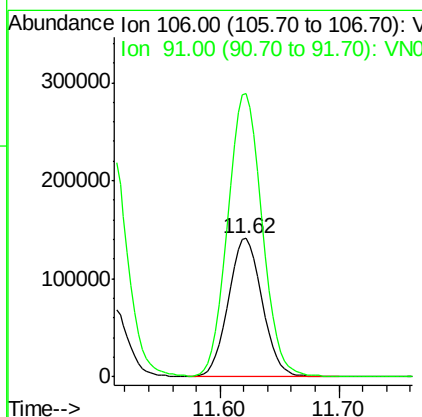
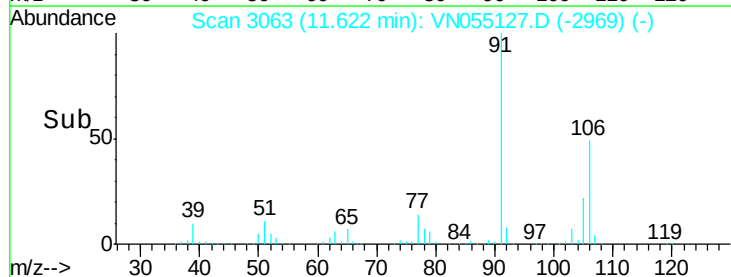
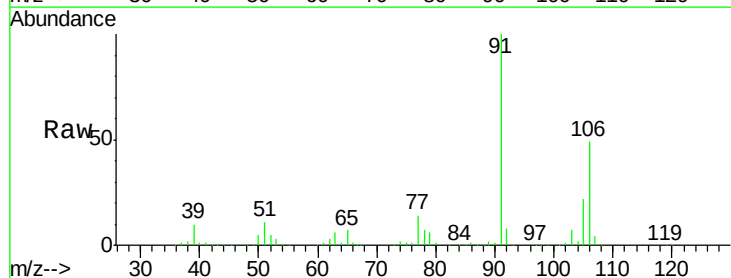
Manual Integrations
APPROVED

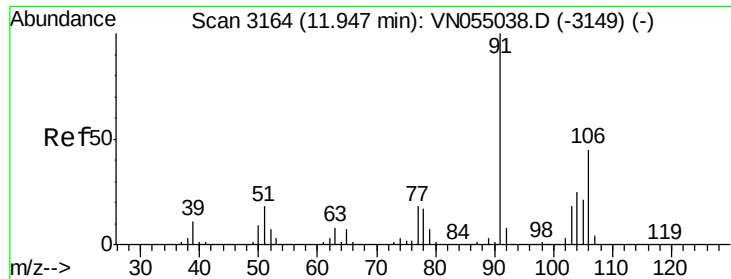
MMDadoda
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#68
m/p-Xylenes
Concen: 38.505 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion: 106 Resp: 279258
Ion Ratio Lower Upper
106 100
91 207.0 165.9 248.9





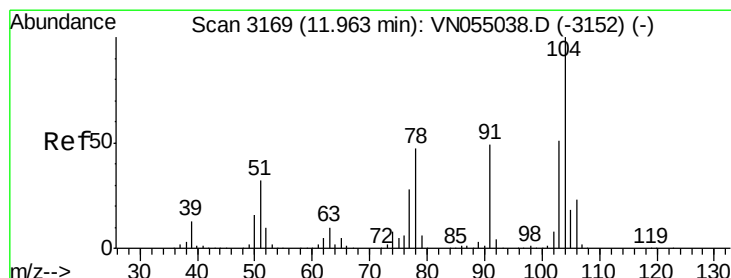
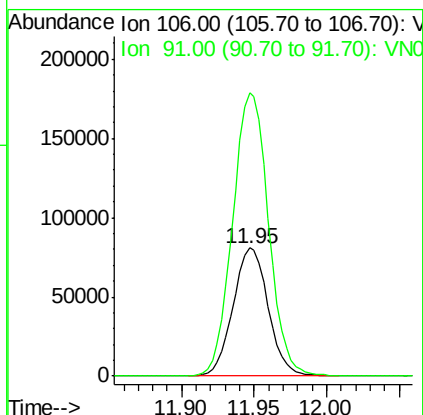
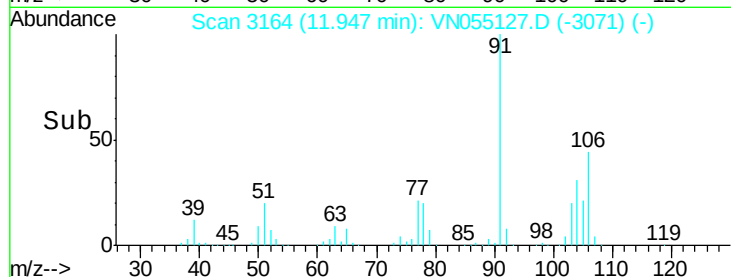
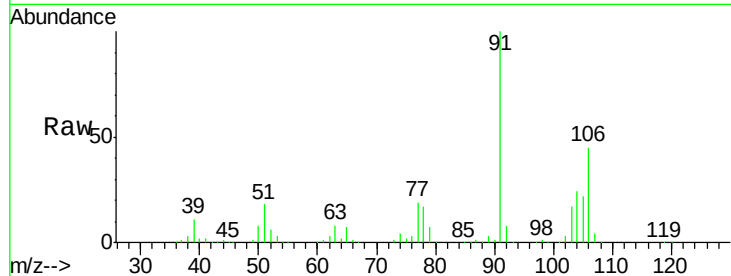
#69
o-Xylene
Concen: 19.467 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	224.8	109.9	329.8	

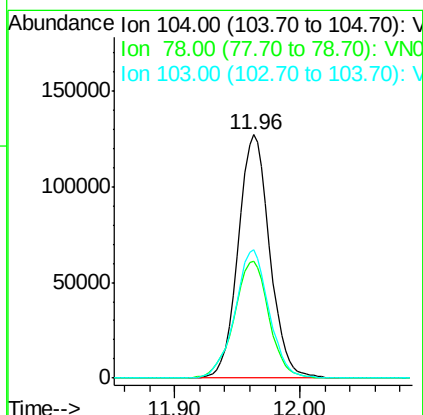
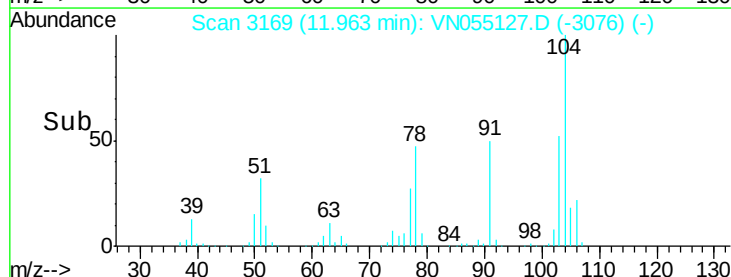
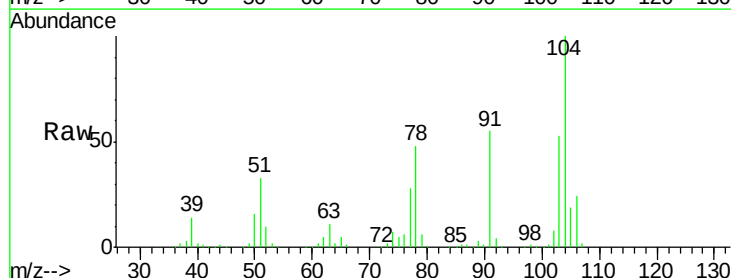
Manual Integrations
APPROVED

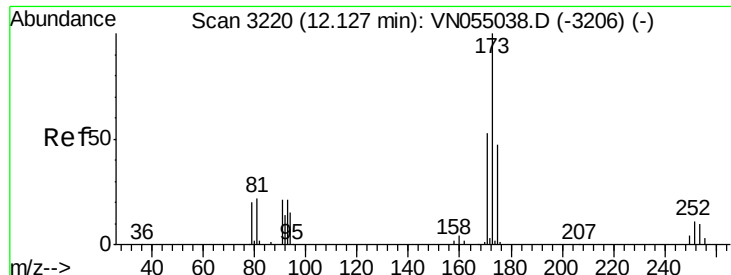
MMDadoda
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#70
Styrene
Concen: 19.565 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.1	40.3	60.5	
103	56.8	44.3	66.5	





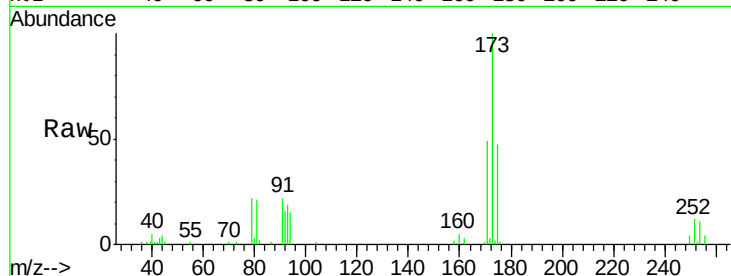
#71
Bromoform
Concen: 21.179 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBSD01

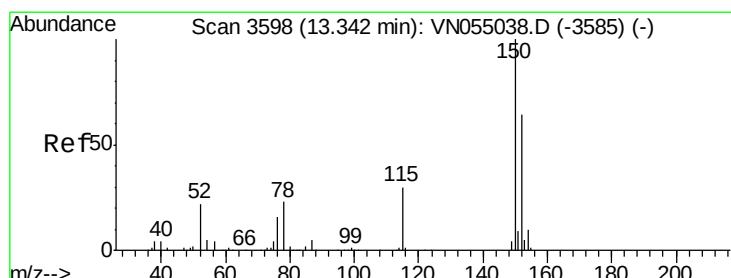
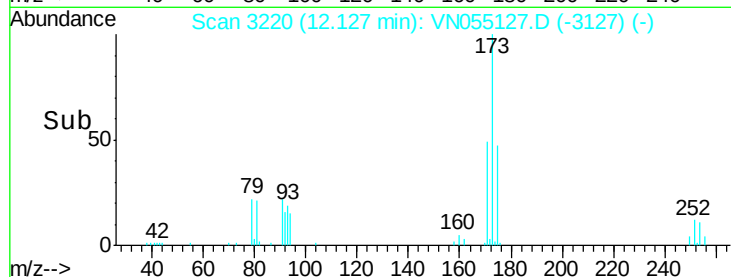
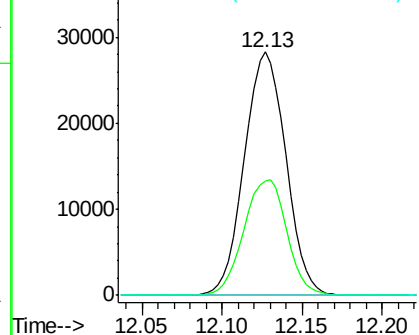
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
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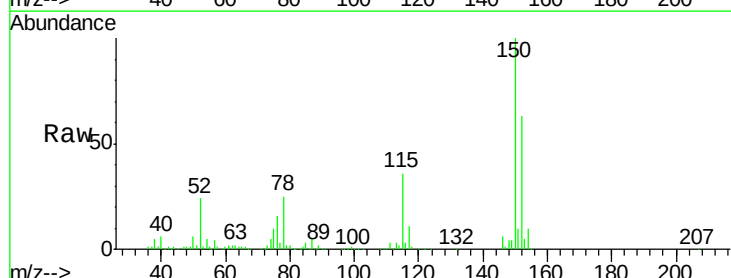


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

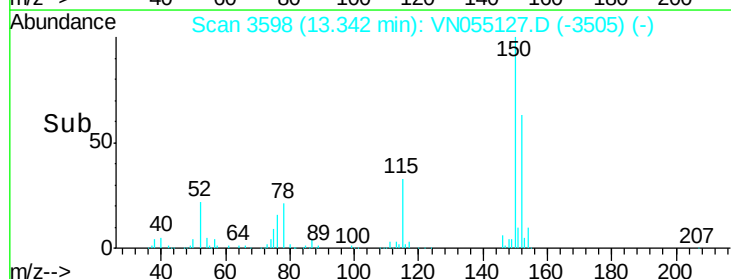
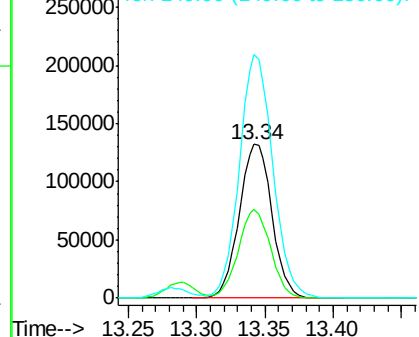


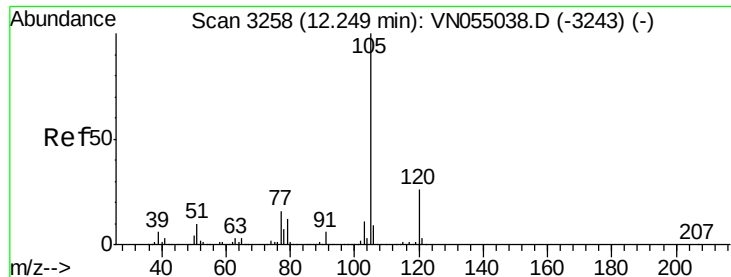
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055127.D
Acq: 18 Apr 2019 17:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.5	85.6
150	162.9	0.0	347.2



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: 18.940 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBSD01

Tot Ion:105 Resp: 368351

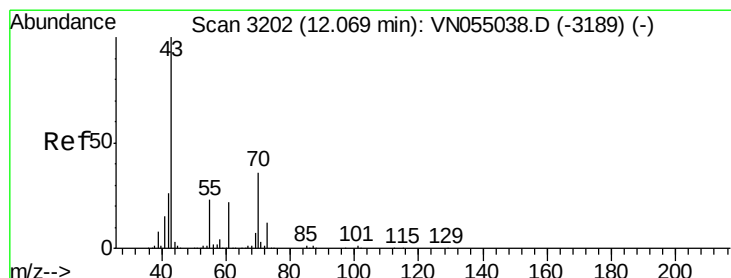
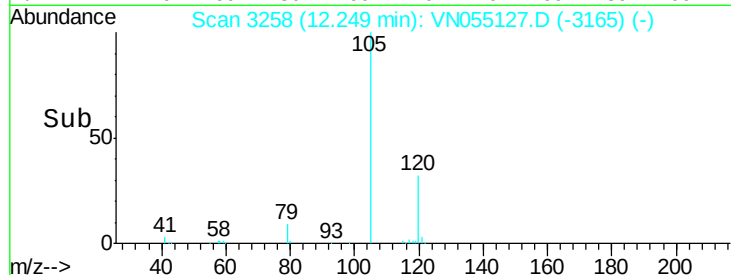
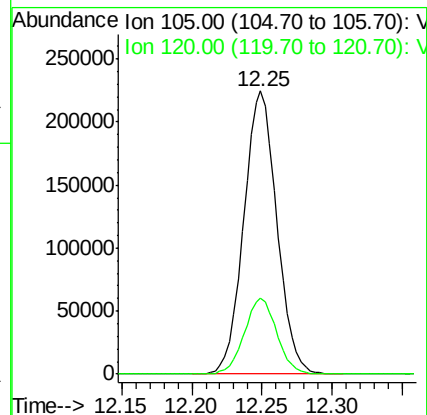
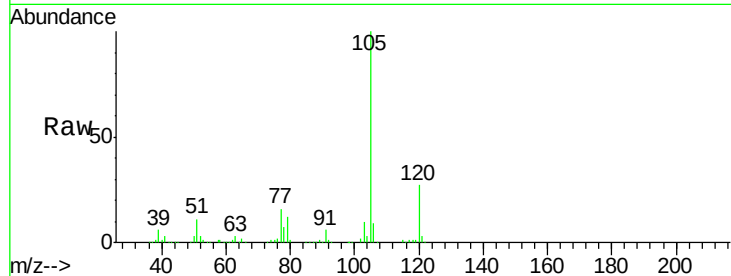
Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 22.205 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Tgt Ion: 43 Resp: 121568

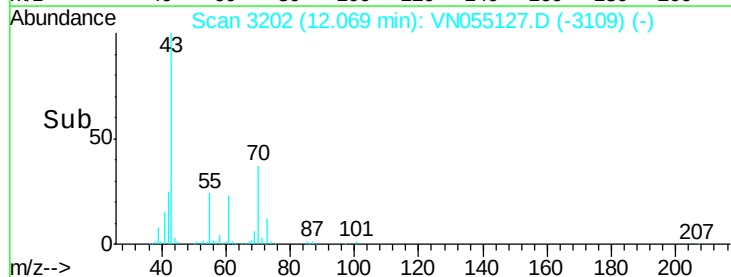
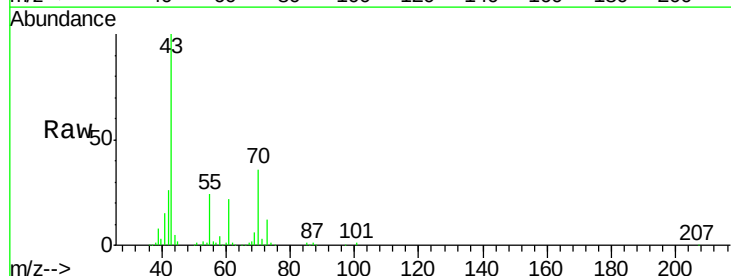
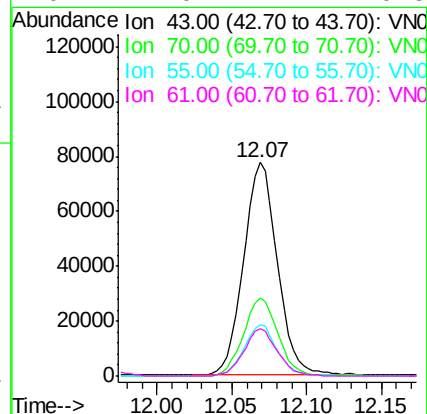
Ion Ratio Lower Upper

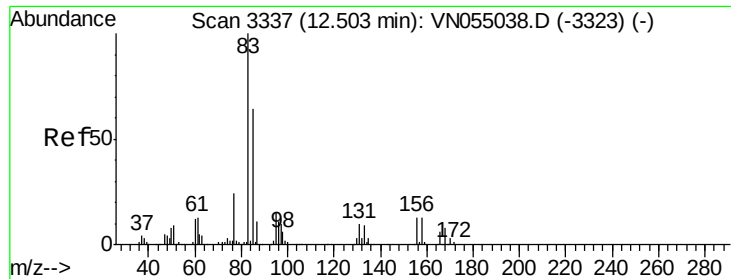
43 100

70 37.6 29.4 44.0

55 24.0 19.0 28.4

61 22.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.237 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

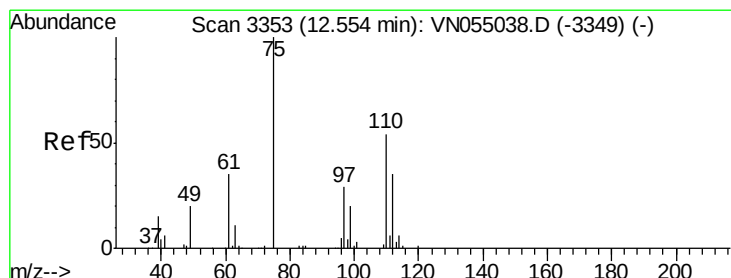
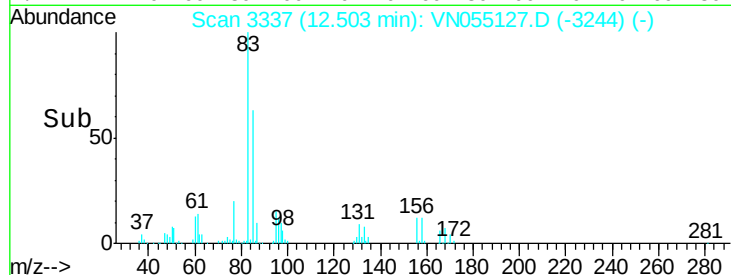
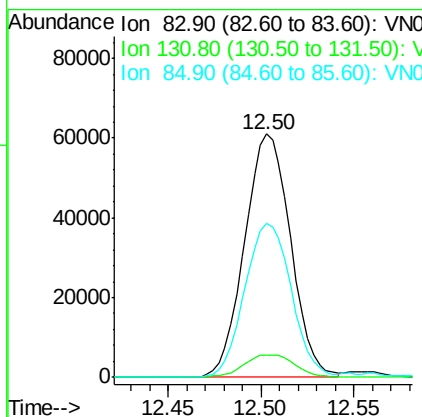
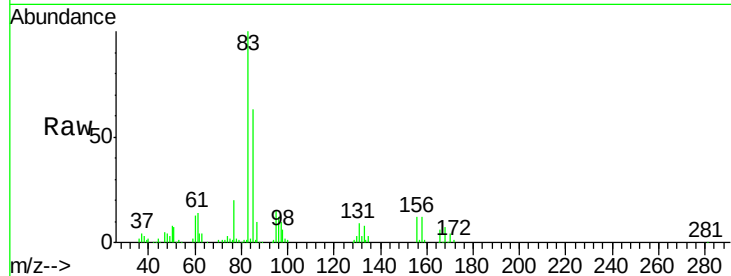
ClientSampleId :

VN0418WBSD01

Tot Ion:	83	Resp:	105316
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	15.0
85	64.1	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.399 ug/l m

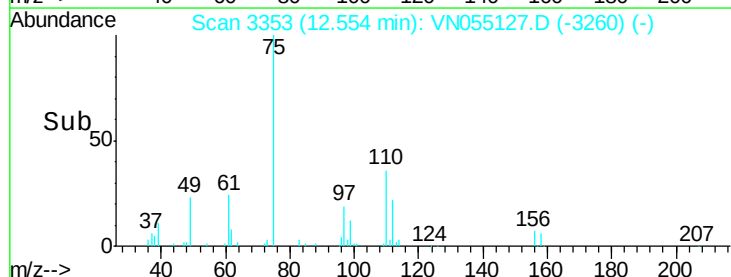
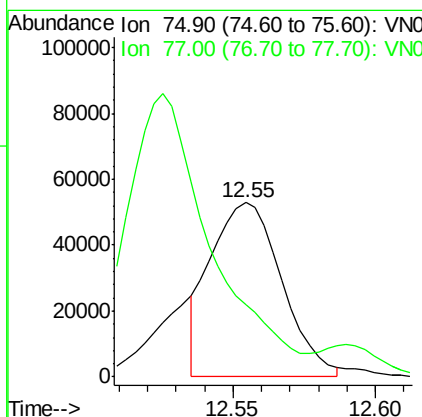
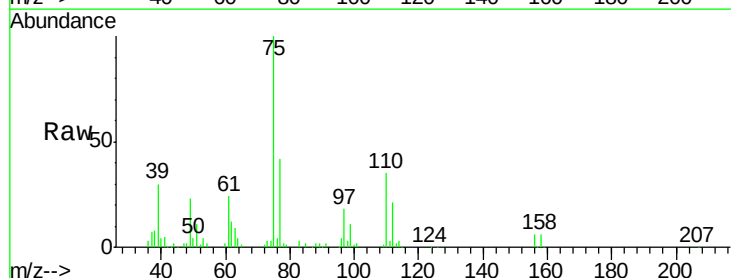
RT: 12.55 min Scan# 3353

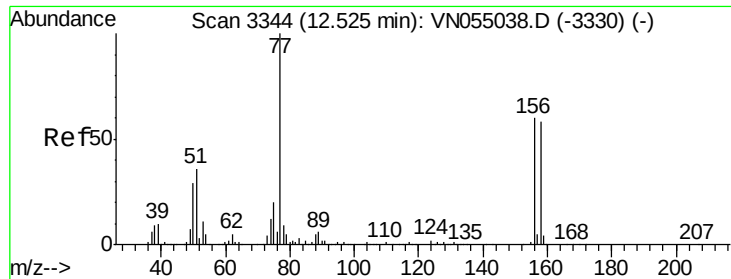
Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Tgt Ion:	75	Resp:	92219
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.611 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

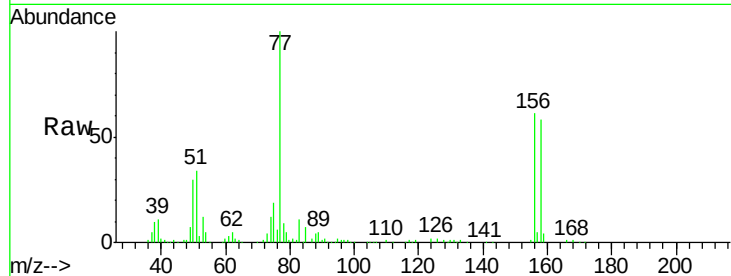
ClientSampleId :

VN0418WBSD01

Tot Ion:	156	Resp:	90239
Ion Ratio	Lower	Upper	
156	100		
77	198.4	97.2	291.5
158	96.1	48.6	145.9

Manual Integrations
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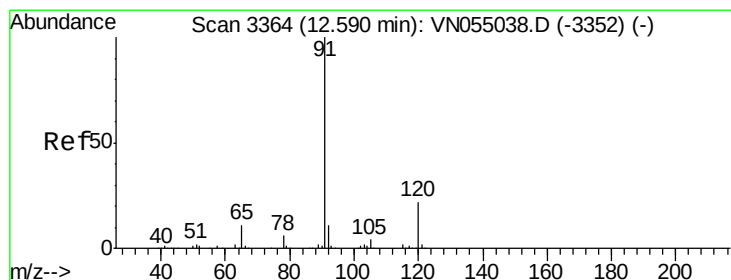
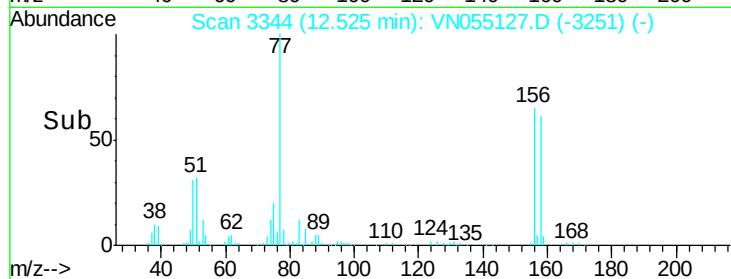
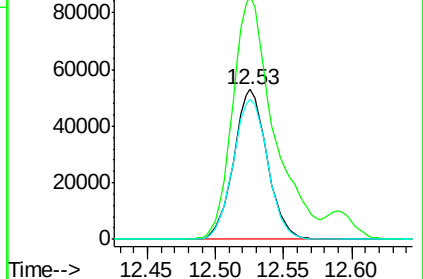
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.671 ug/l

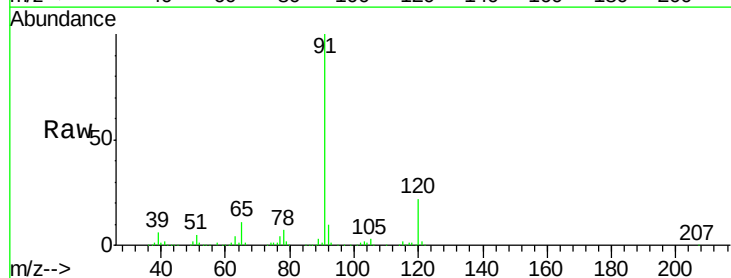
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055127.D

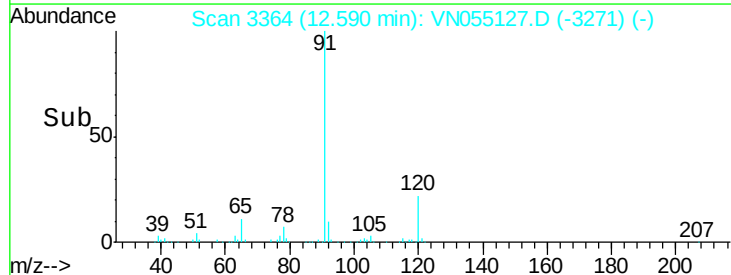
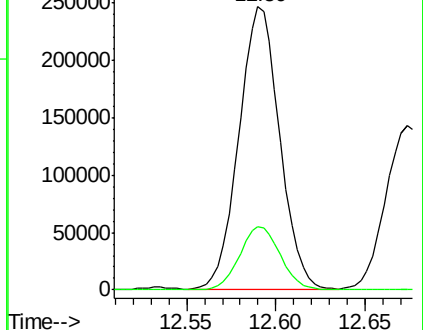
Acq: 18 Apr 2019 17:53

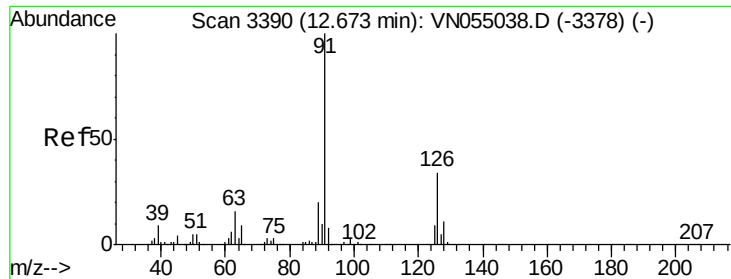
Tgt Ion:	91	Resp:	392335
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.873 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBSD01

Tot Ion: 91 Resp: 247352

Ion Ratio Lower Upper

91 100

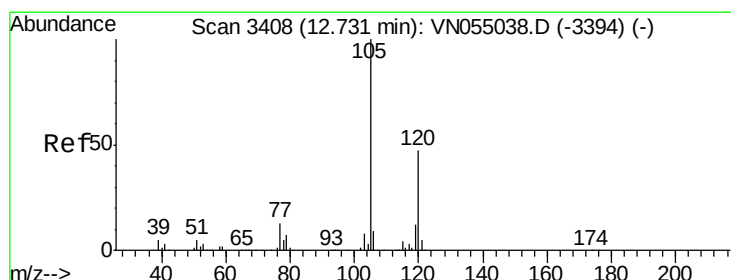
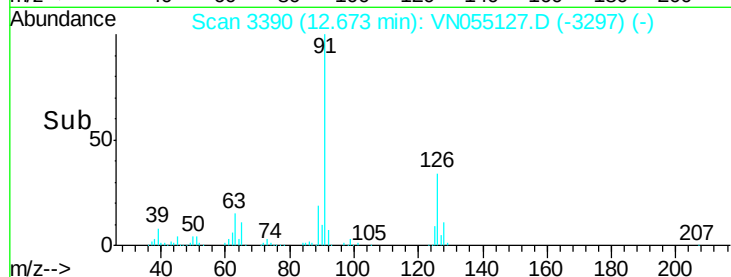
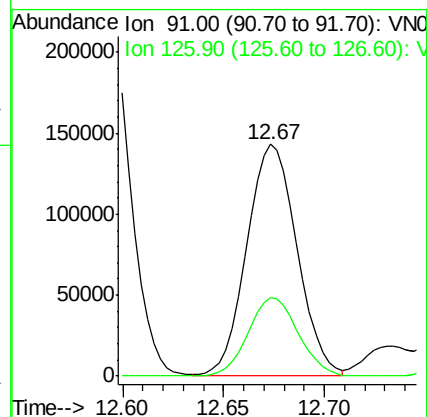
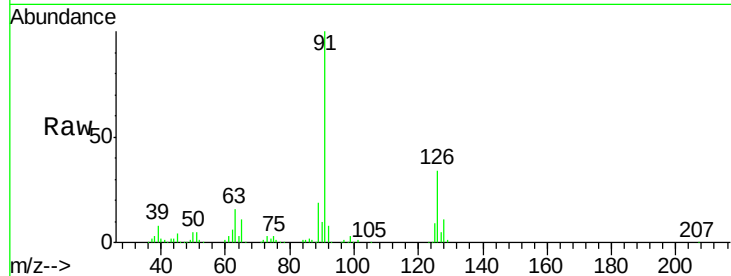
126 34.1 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.898 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055127.D

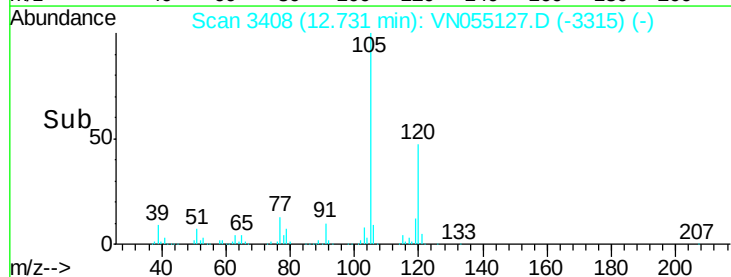
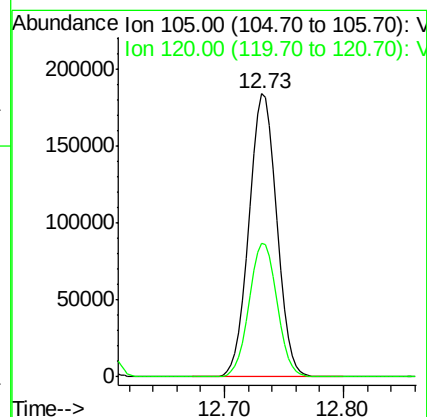
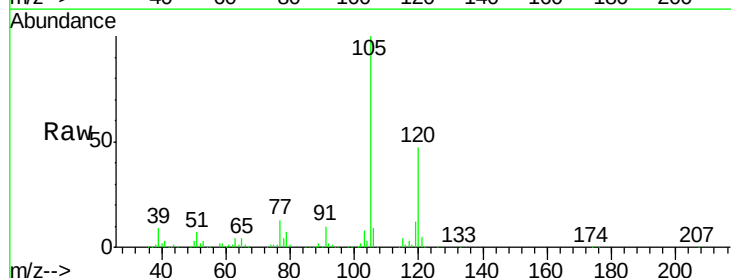
Acq: 18 Apr 2019 17:53

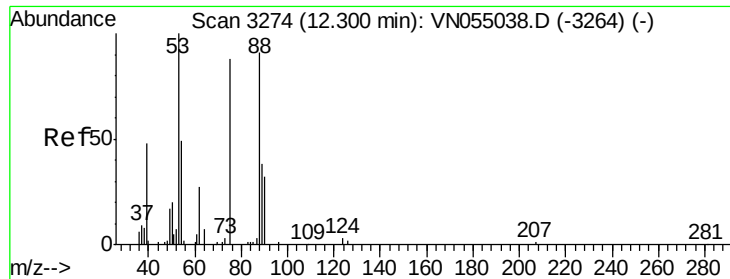
Tgt Ion: 105 Resp: 296608

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.147 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

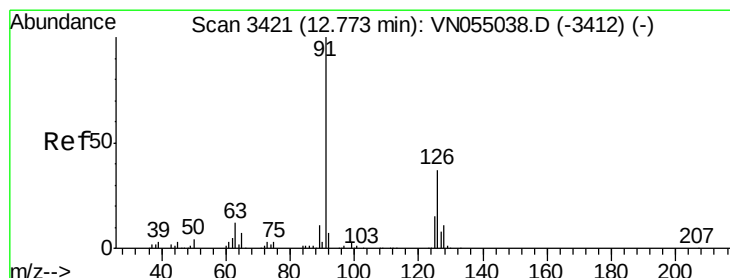
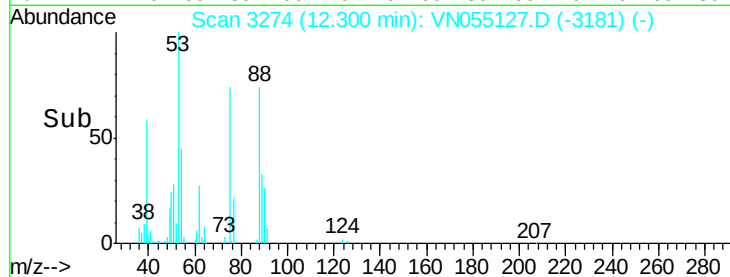
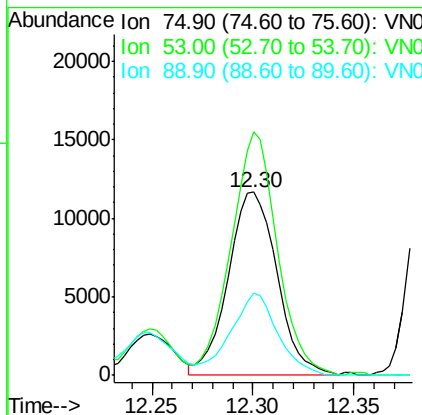
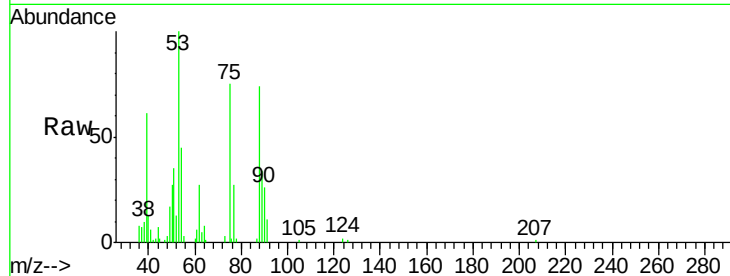
ClientSampleId :

VN0418WBSD01

Tot Ion:	75	Resp:	19857
Ion	Ratio	Lower	Upper
75	100		
53	125.8	96.3	144.5
89	43.1	38.6	57.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.078 ug/l

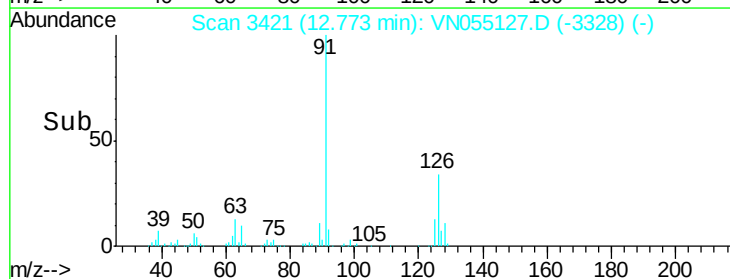
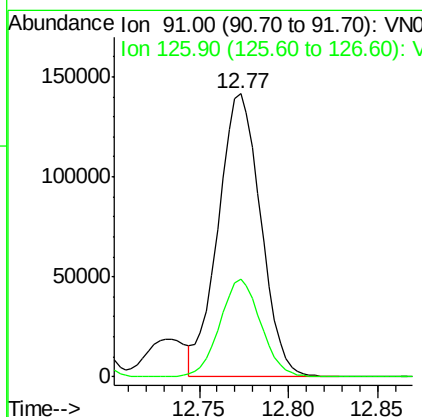
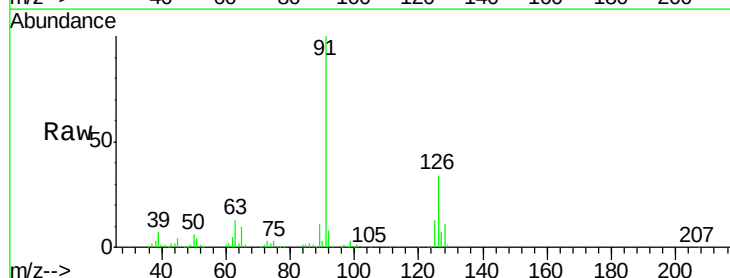
RT: 12.77 min Scan# 3421

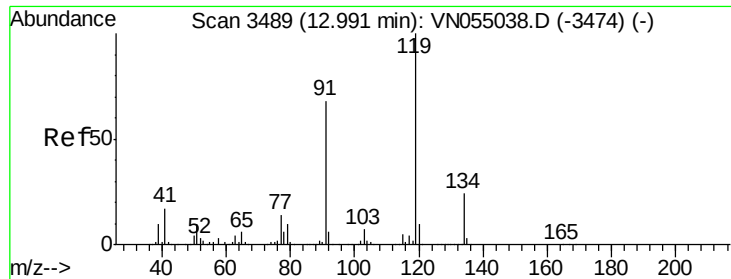
Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Tgt Ion:	91	Resp:	233281
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.4	49.2





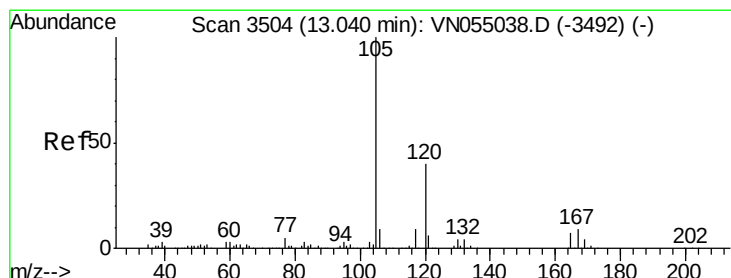
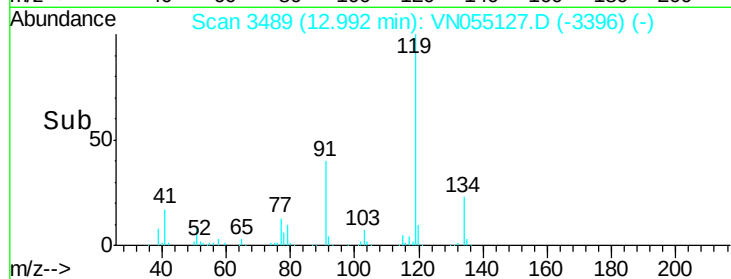
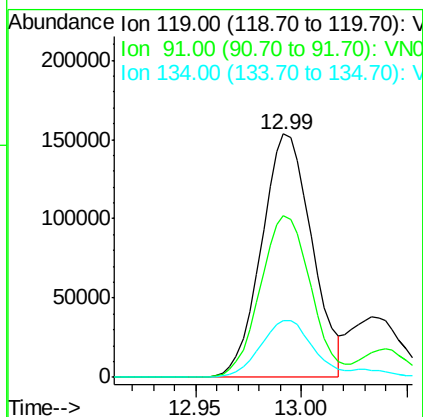
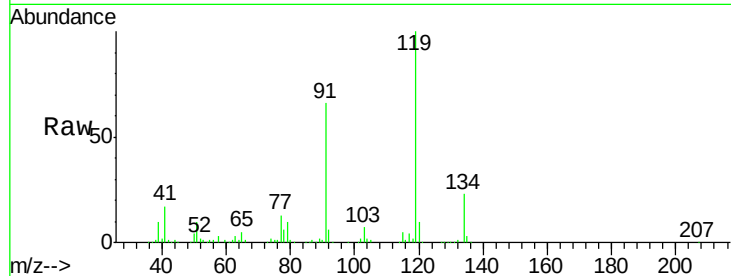
#83
 tert-Butylbenzene
 Concen: 19.245 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0418WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	255093		
91	66.5		33.3	99.8
134	24.5		12.3	36.9

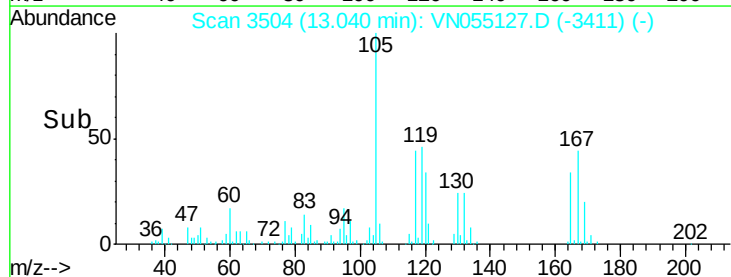
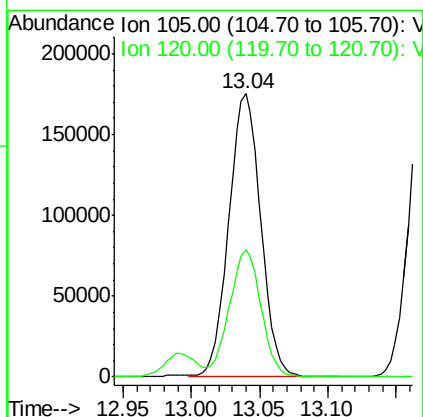
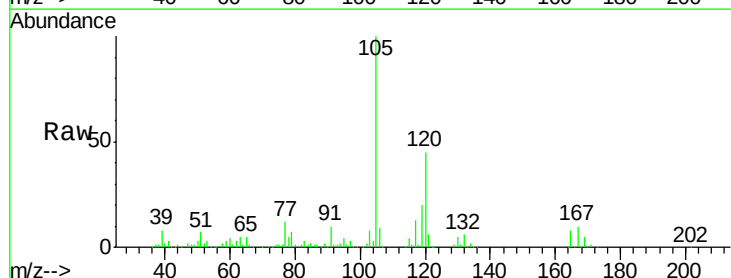
Manual Integrations
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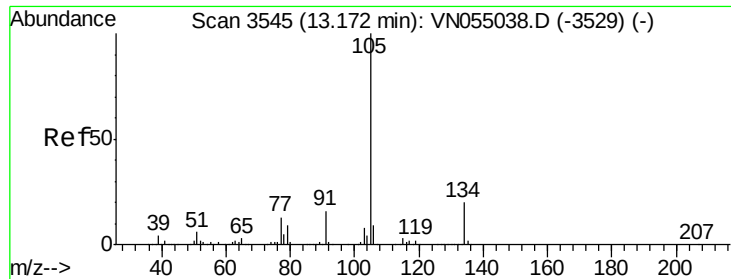
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.062 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	283528		
120	44.8		22.4	67.3





#85

sec-Butylbenzene

Concen: 18.858 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBSD01

Tot Ion:105 Resp: 318506

Ion Ratio Lower Upper

105 100

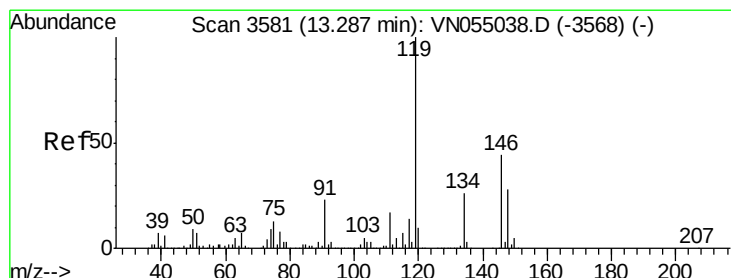
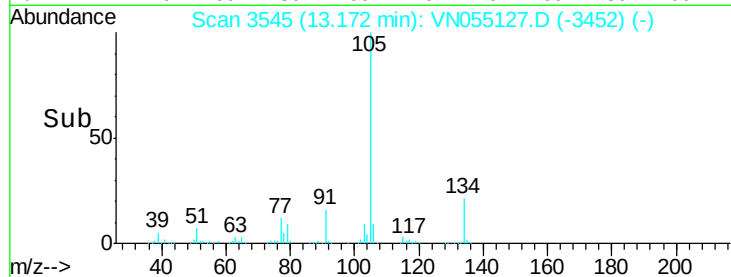
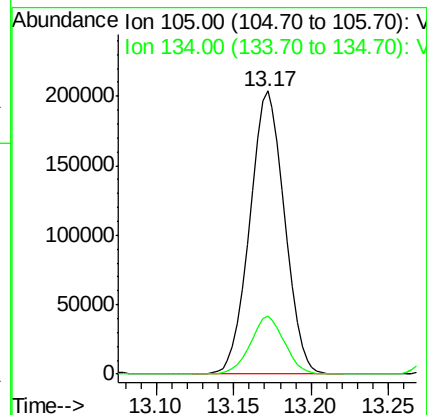
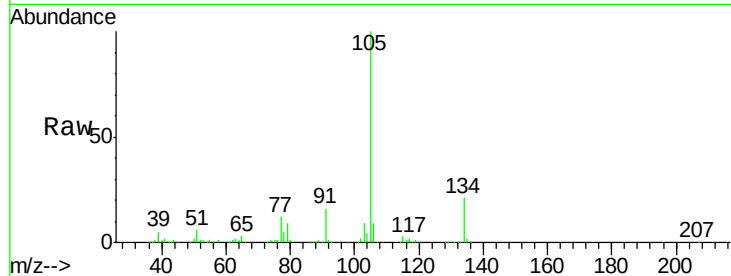
134 19.8 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 18.902 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

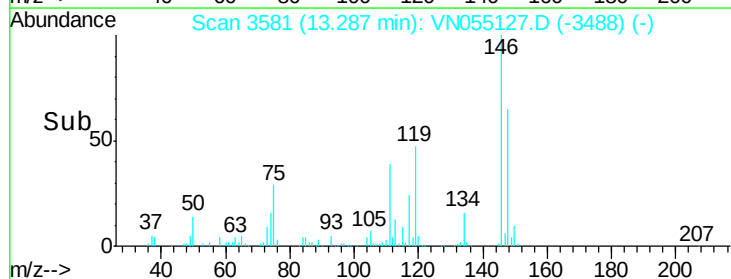
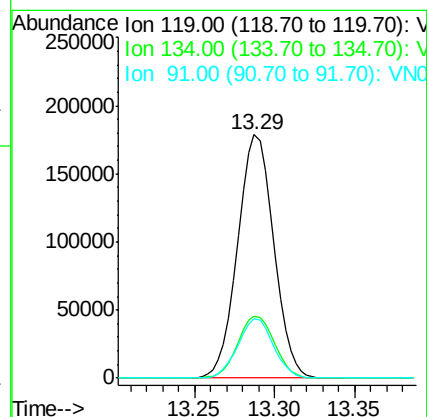
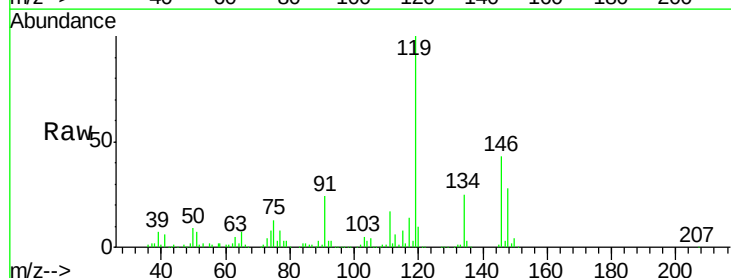
Tgt Ion:119 Resp: 273900

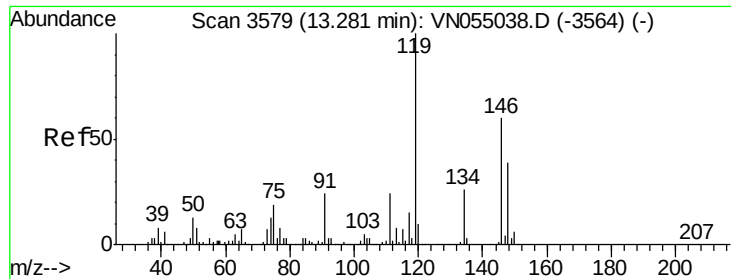
Ion Ratio Lower Upper

119 100

134 25.9 13.2 39.5

91 24.2 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 19.122 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

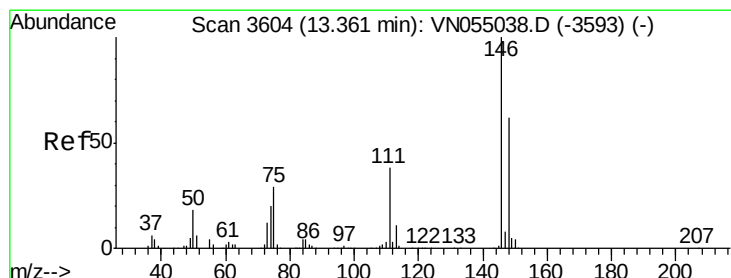
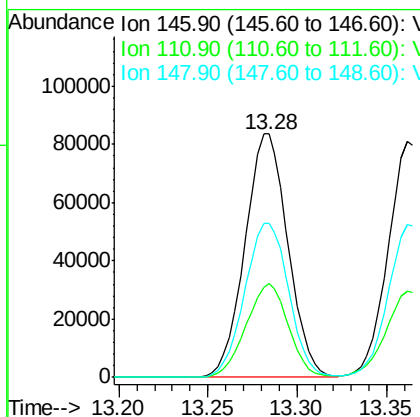
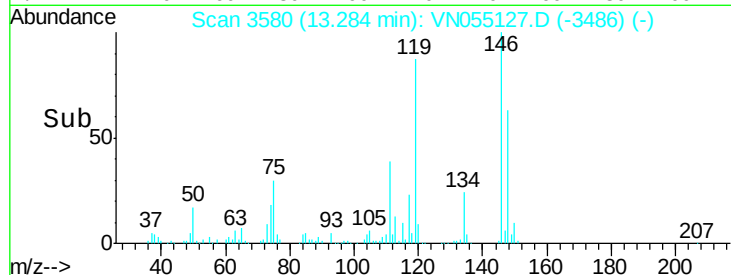
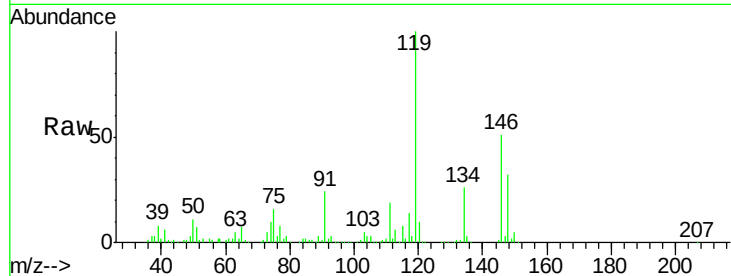
ClientSampleId :

VN0418WBSD01

Tot Ion:	146	Resp:	140923
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.5	58.5
148	64.7	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.106 ug/l

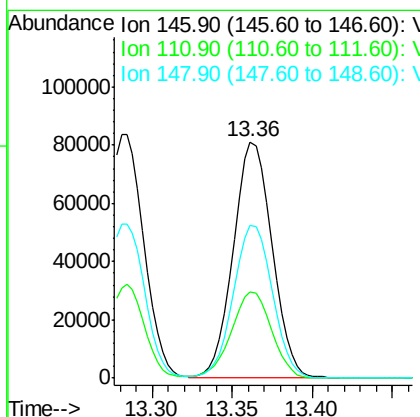
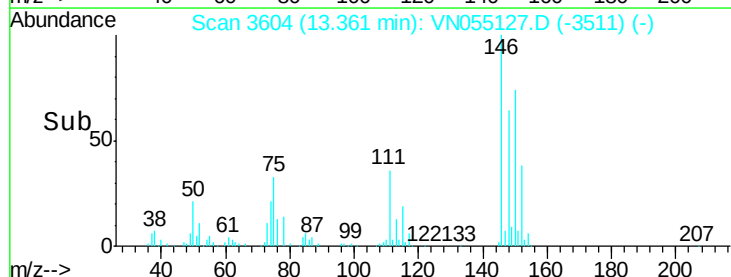
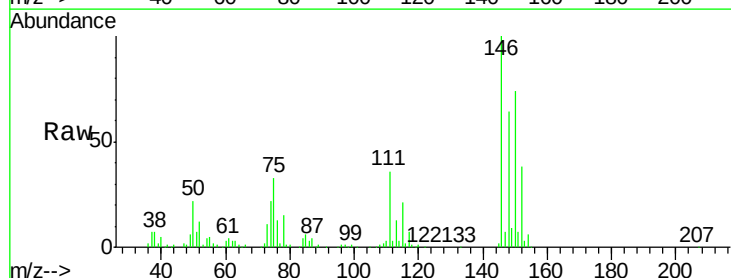
RT: 13.36 min Scan# 3604

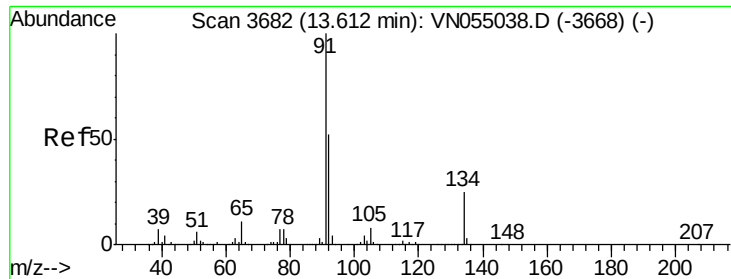
Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Tgt Ion:	146	Resp:	134271
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.8	56.4
148	65.1	32.4	97.2





#89

n-Butylbenzene

Concen: 18.188 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

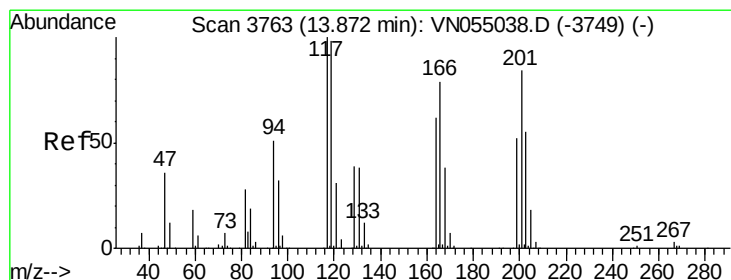
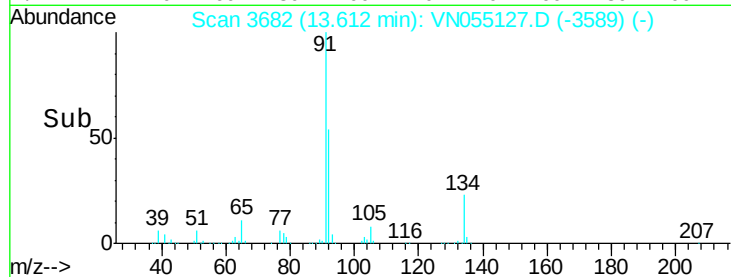
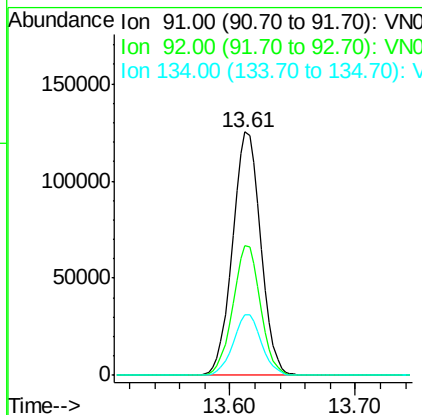
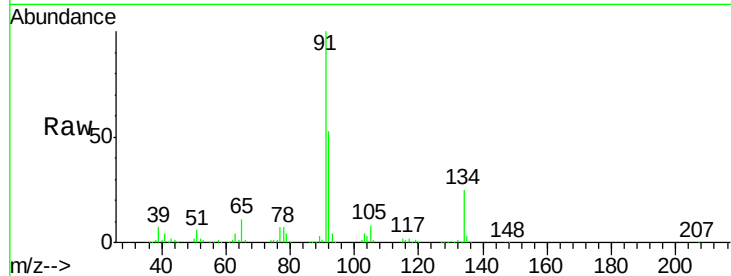
ClientSampleId :

VN0418WBSD01

Tot Ion:	91	Resp:	195648
Ion Ratio	Lower	Upper	
91	100		
92	51.9	25.9	77.7
134	24.9	12.8	38.3

Manual Integrations
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#90

Hexachloroethane

Concen: 19.141 ug/l

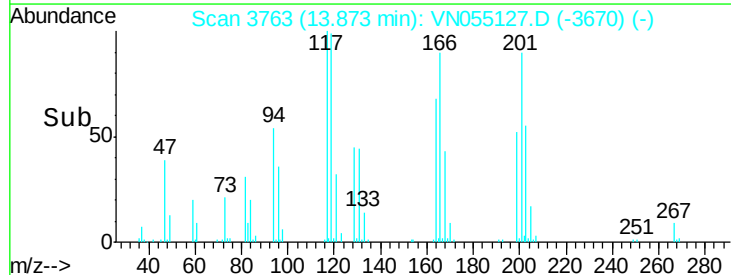
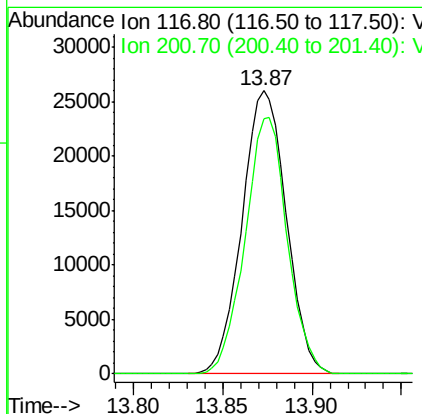
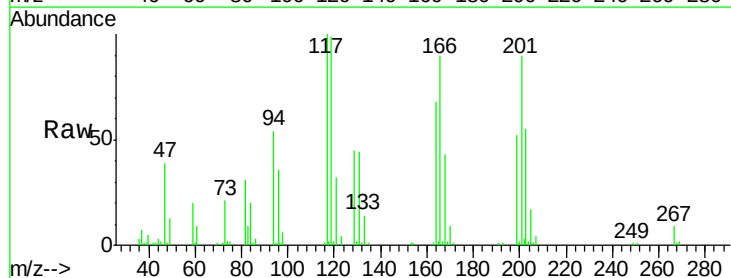
RT: 13.87 min Scan# 3763

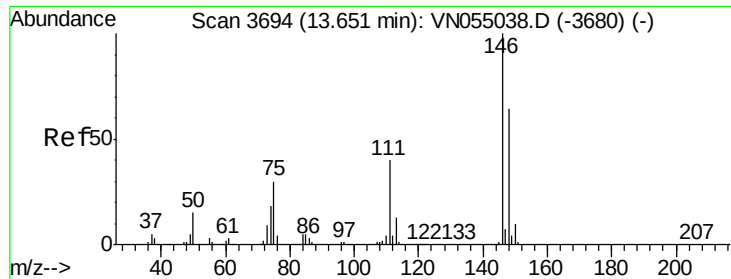
Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Tgt Ion:	117	Resp:	45128
Ion Ratio	Lower	Upper	
117	100		
201	86.1	43.4	130.2





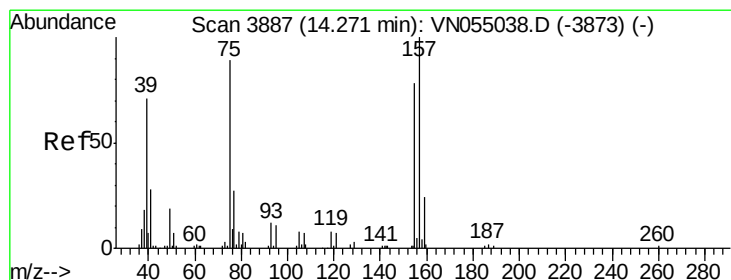
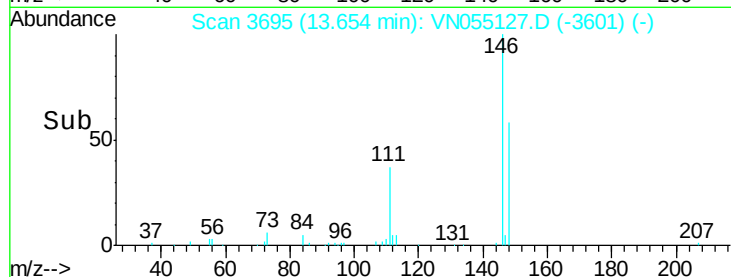
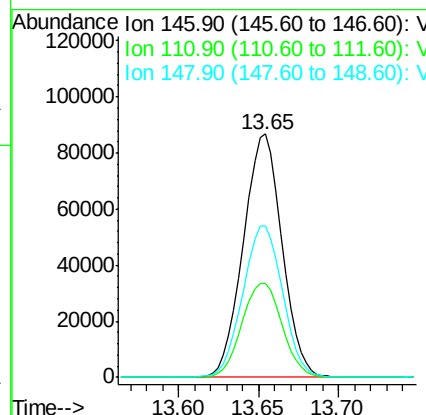
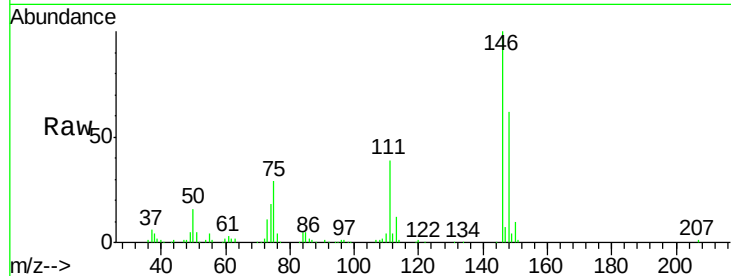
#91
 1,2-Dichlorobenzene
 Concen: 19.334 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.9
148	64.1	32.2	96.6

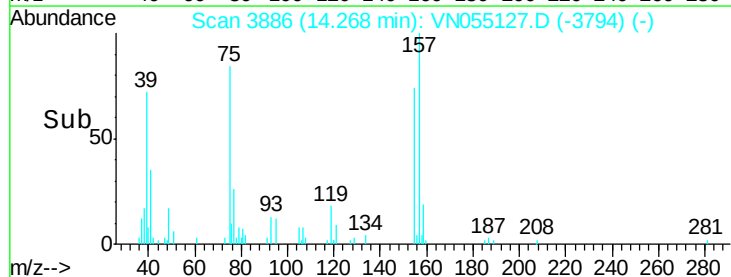
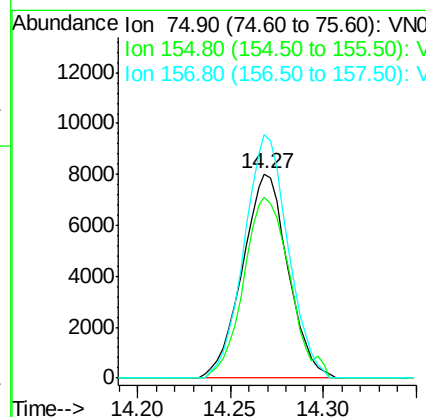
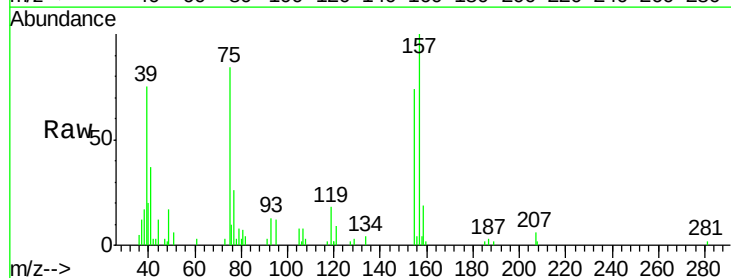
Manual Integrations
 APPROVED

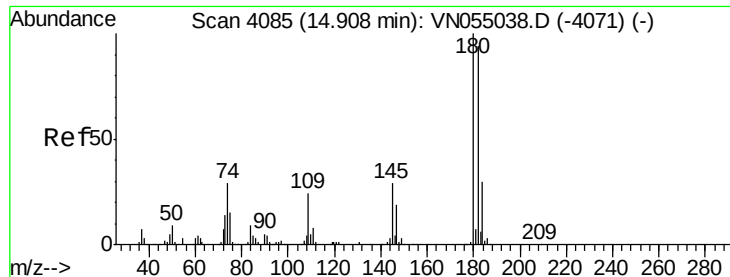
MMDadoda
 4/19/2019 5:47:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.294 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055127.D
 Acq: 18 Apr 2019 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	42.0	126.0
157	115.1	52.1	156.4





#93

1,2,4-Trichlorobenzene

Concen: 16.905 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

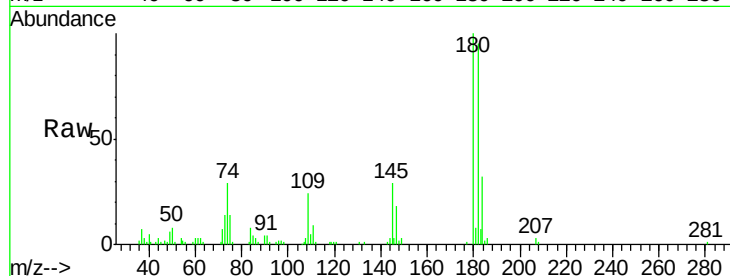
ClientSampled :

VN0418WBSD01

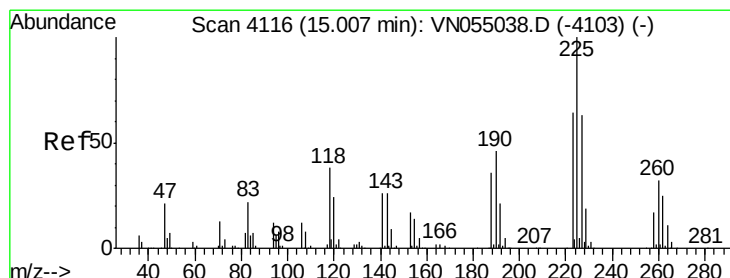
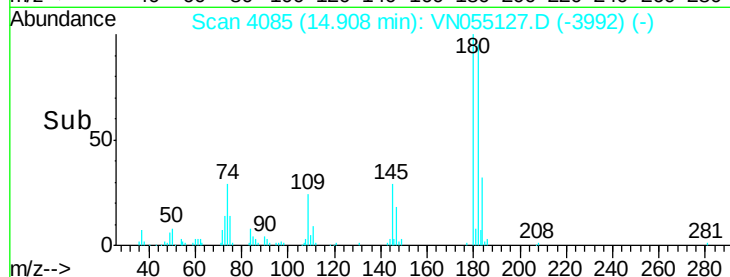
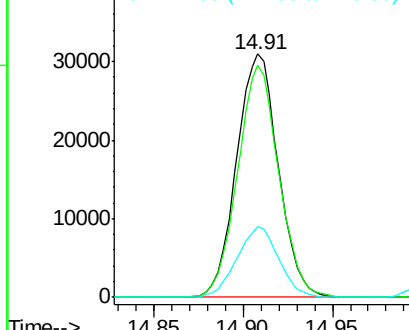
Tot Ion:	180	Resp:	50528
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.5	142.6
145	29.1	14.2	42.8

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



#94

Hexachlorobutadiene

Concen: 19.549 ug/l

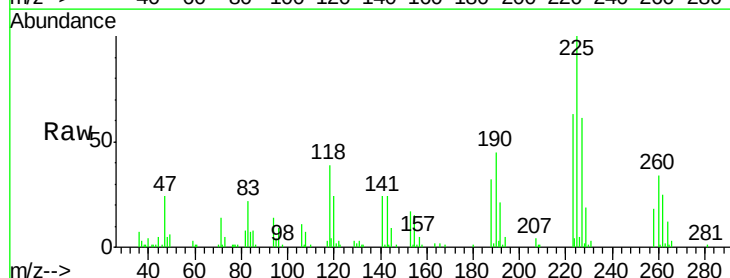
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

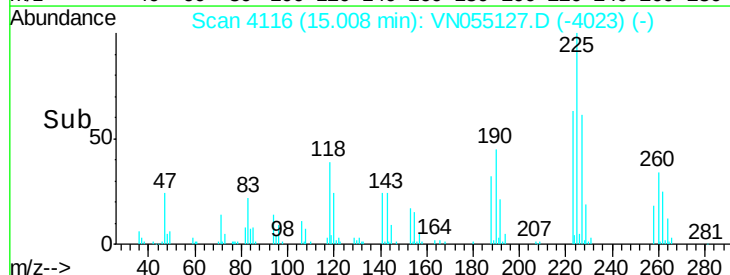
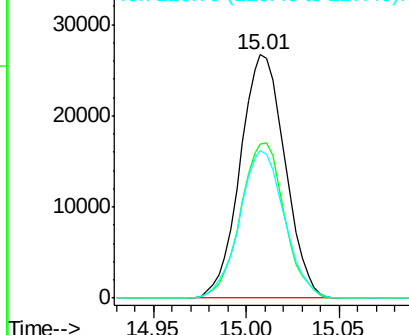
Lab File: VN055127.D

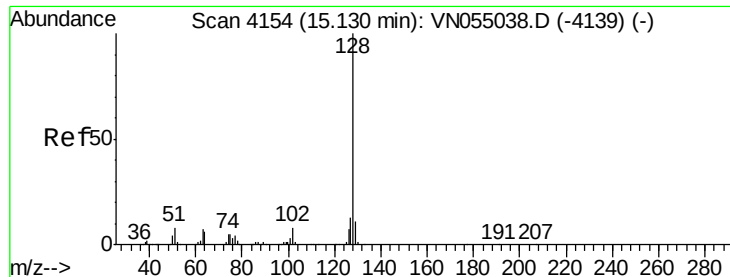
Acq: 18 Apr 2019 17:53

Tgt Ion:	225	Resp:	44772
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.4	94.0
227	60.3	32.6	97.7



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





#95

Naphthalene

Concen: 17.406 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Instrument :

MSVOA_N

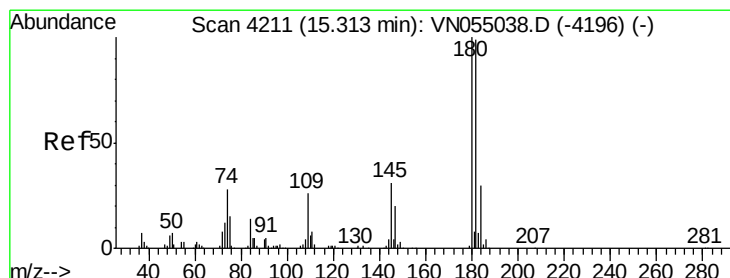
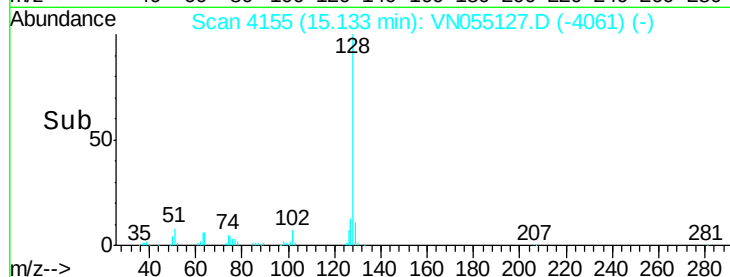
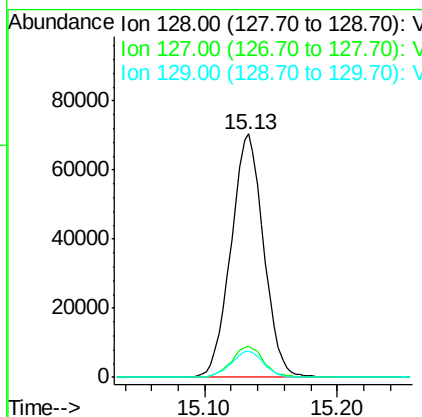
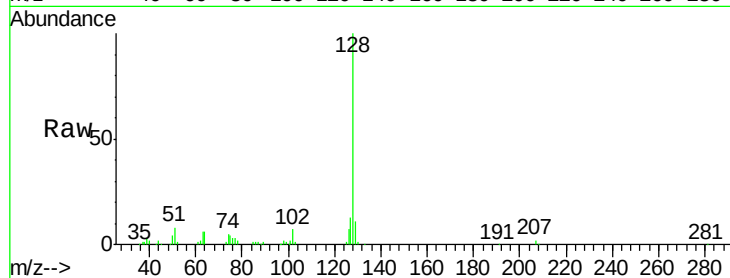
ClientSampleId :

VN0418WBSD01

Tot Ion:	128	Resp:	120044
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.1	15.1
129	10.7	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 19.021 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055127.D

Acq: 18 Apr 2019 17:53

Tgt Ion:	180	Resp:	54411
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.0	144.0
145	30.5	15.3	45.9

