

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061309.D
 Acq On : 6 May 2020 15:03
 Operator : JC/MD
 Sample : VN0506WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:36 AM

Quant Time: May 07 06:17:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	108053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	186621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	168437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	77751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	85604	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	7.55	113	52696	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	10.06	98	221154	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.38	95	80830	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	16211	14.148	ug/l	99
3) Chloromethane	2.03	50	21175	15.259	ug/l	98
4) Vinyl Chloride	2.16	62	23790	15.093	ug/l	99
5) Bromomethane	2.54	94	10067	12.921	ug/l	98
6) Chloroethane	2.67	64	14849	14.863	ug/l	99
7) Trichlorofluoromethane	2.98	101	30337	17.060	ug/l	99
8) Diethyl Ether	3.37	74	11662	15.723	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	17164	14.982	ug/l	99
10) Methyl Iodide	3.91	142	18737	12.726	ug/l	99
11) Tert butyl alcohol	4.73	59	14301	62.441	ug/l #	88
12) 1,1-Dichloroethene	3.70	96	16469	14.446	ug/l	97
13) Acrolein	3.56	56	10139	66.430	ug/l	100
14) Allyl chloride	4.27	41	34475	16.309	ug/l	98
15) Acrylonitrile	4.93	53	50820	72.283	ug/l	99
16) Acetone	3.77	43	50592	72.591	ug/l	99
17) Carbon Disulfide	4.01	76	41817	13.279	ug/l	100
18) Methyl Acetate	4.28	43	27529	13.261	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	62777	14.411	ug/l	99
20) Methylene Chloride	4.50	84	19029	14.273	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	17704	14.261	ug/l	98
22) Diisopropyl ether	5.90	45	72075	14.704	ug/l	98
23) Vinyl Acetate	5.84	43	281726	71.380	ug/l	98
24) 1,1-Dichloroethane	5.80	63	37416	14.609	ug/l	98
25) 2-Butanone	6.79	43	71491	70.664	ug/l	99
26) 2,2-Dichloropropane	6.77	77	34339	15.918	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	20561	14.114	ug/l	97
28) Bromochloromethane	7.15	49	26895	22.156	ug/l	98
29) Tetrahydrofuran	7.17	42	46720	68.554	ug/l	98
30) Chloroform	7.33	83	37324	14.381	ug/l	98
31) Cyclohexane	7.62	56	32065	12.892	ug/l #	90
32) 1,1,1-Trichloroethane	7.53	97	31965	14.143	ug/l	99
36) 1,1-Dichloropropene	7.75	75	26824	14.358	ug/l	99
37) Ethyl Acetate	6.88	43	29945	13.673	ug/l	99
38) Carbon Tetrachloride	7.73	117	23092	15.215	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	25351	12.100	ug/l	97
40) Benzene	8.00	78	78871	14.171	ug/l	99
41) Methacrylonitrile	7.12	41	11056	12.158	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	32521	15.424	ug/l	98
43) Isopropyl Acetate	8.13	43	50321	13.844	ug/l	99
44) Trichloroethene	8.80	130	20035	13.316	ug/l	100
45) 1,2-Dichloropropane	9.08	63	21371	14.373	ug/l	96
46) Dibromomethane	9.17	93	13405	14.560	ug/l	99
47) Bromodichloromethane	9.37	83	28790	14.569	ug/l	98
48) Methyl methacrylate	9.17	41	23385	14.258	ug/l	95
49) 1,4-Dioxane	9.17	88	3949	212.106	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	151311	70.724	ug/l	99
52) Toluene	10.12	92	47097	14.049	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	31788	14.276	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	33804	14.360	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	18869	14.111	ug/l	97
56) Ethyl methacrylate	10.40	69	28541	14.308	ug/l	97
57) 1,3-Dichloropropane	10.68	76	34648	14.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	66989	61.891	ug/l	100
59) 2-Hexanone	10.72	43	106771	68.597	ug/l	99
60) Dibromochloromethane	10.87	129	19440	13.881	ug/l	99
61) 1,2-Dibromoethane	10.98	107	18614	13.888	ug/l	98
64) Tetrachloroethene	10.60	164	18661	12.792	ug/l	97
65) Chlorobenzene	11.41	112	48736	14.586	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	17903	14.971	ug/l	98
67) Ethyl Benzene	11.48	91	89905	14.374	ug/l	100
68) m/p-Xylenes	11.60	106	65216	28.486	ug/l	97
69) o-Xylene	11.92	106	30690	13.955	ug/l	95
70) Styrene	11.94	104	51294	13.936	ug/l	98
71) Bromoform	12.10	173	12549	14.278	ug/l #	97
73) Isopropylbenzene	12.22	105	83852	14.670	ug/l	100
74) N-amyl acetate	12.04	43	41107	14.202	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	27349	15.345	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	24668m	15.049	ug/l	
77) Bromobenzene	12.50	156	19509	14.786	ug/l	96
78) n-propylbenzene	12.57	91	99048	14.610	ug/l	100
79) 2-Chlorotoluene	12.65	91	59145	14.842	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	69127	14.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	9431	14.611	ug/l	97
82) 4-Chlorotoluene	12.75	91	62693	14.927	ug/l	98
83) tert-Butylbenzene	12.97	119	56742	14.225	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	69558	14.271	ug/l	99
85) sec-Butylbenzene	13.15	105	75008	13.792	ug/l	100
86) p-Isopropyltoluene	13.26	119	66731	13.618	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	35195	14.489	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	35325	14.233	ug/l	97
89) n-Butylbenzene	13.59	91	60292	13.422	ug/l	98
90) Hexachloroethane	13.85	117	8110	21.074	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	34641	14.873	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	5343	14.194	ug/l	97

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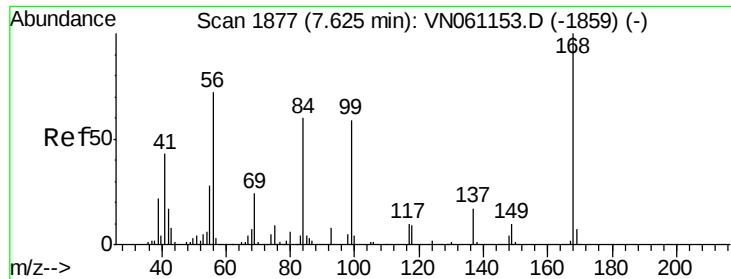
Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:36 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	18330	12.924	ug/l	98
94) Hexachlorobutadiene	14.99	225	8332	14.062	ug/l	96
95) Naphthalene	15.11	128	58135	12.586	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	18432	13.163	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion:168 Resp: 108053

Ion Ratio Lower Upper

168 100

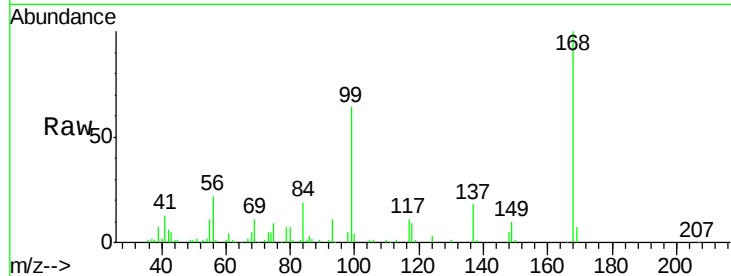
99 63.8 51.2 76.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

50000

40000

30000

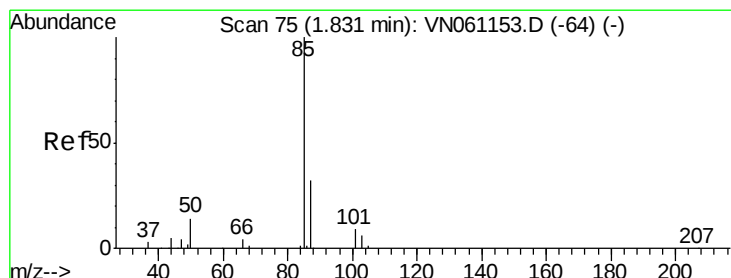
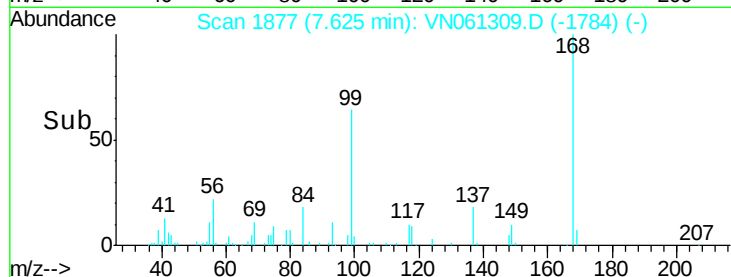
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 14.148 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061309.D

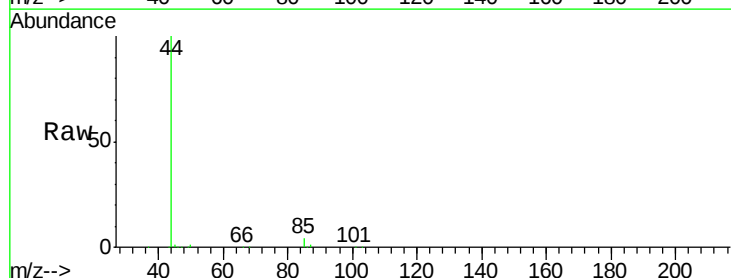
Acq: 6 May 2020 15:03

Tgt Ion: 85 Resp: 16211

Ion Ratio Lower Upper

85 100

87 31.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

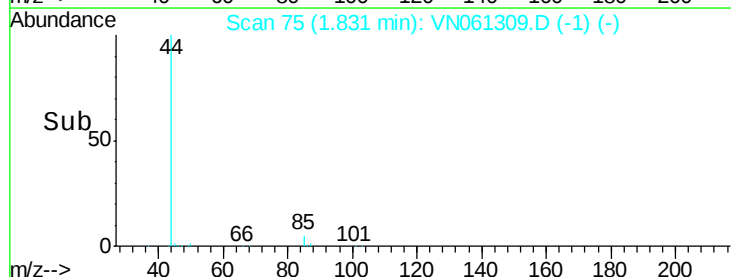
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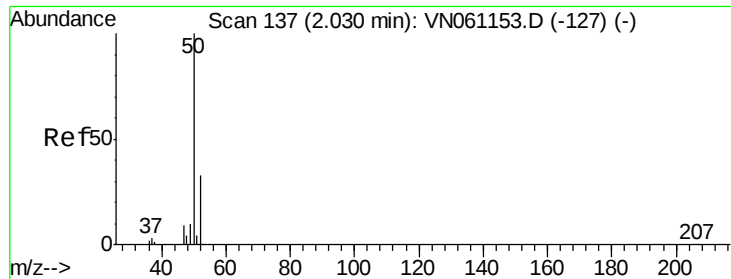
5000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 15.259 ug/l

RT: 2.03 min Scan# 138

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 50 Resp: 21175

Ion Ratio Lower Upper

50 100

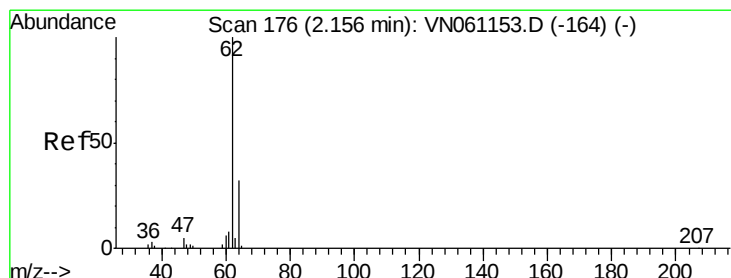
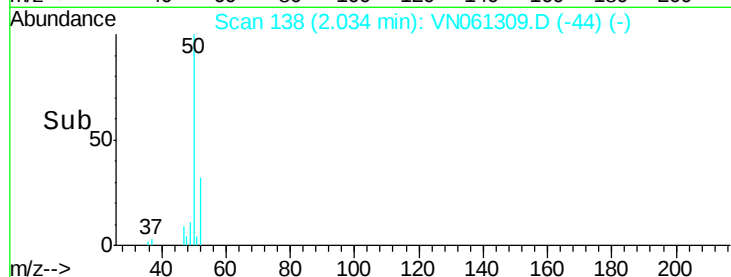
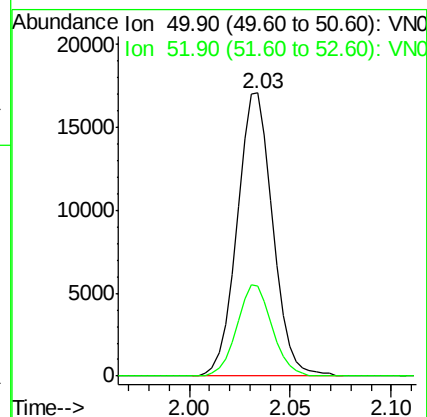
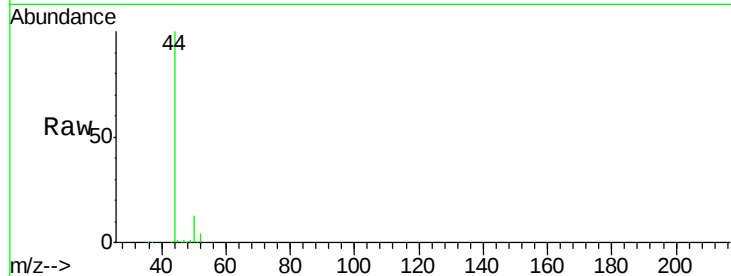
52 31.6 26.0 39.0

Manual Integrations

APPROVED

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5/7/2020 10:36:36 AM



#4

Vinyl Chloride

Concen: 15.093 ug/l

RT: 2.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VN061309.D

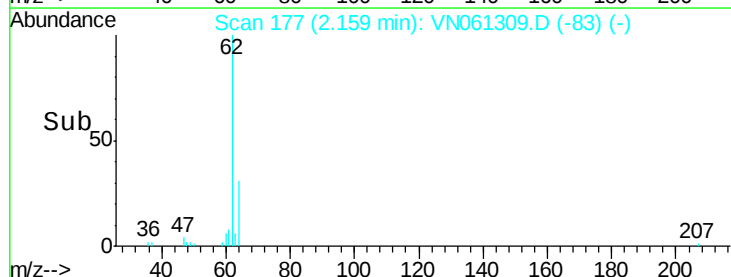
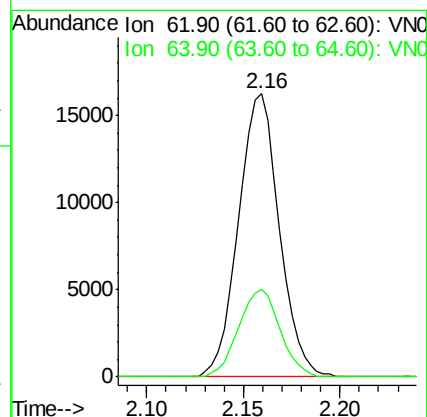
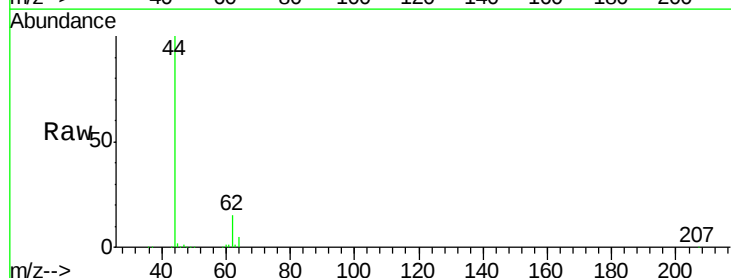
Acq: 6 May 2020 15:03

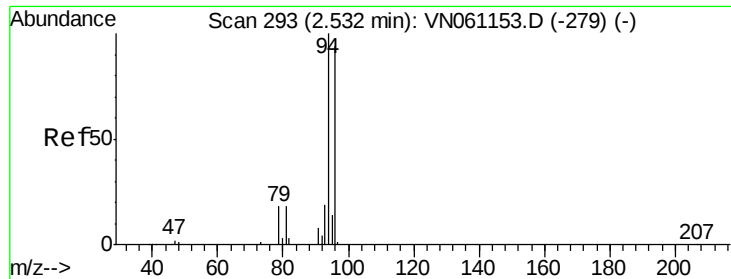
Tgt Ion: 62 Resp: 23790

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 12.921 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.01 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

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ClientSampleId :

VN0506WBSD01

Tot Ion: 94 Resp: 10067

Ion Ratio Lower Upper

94 100

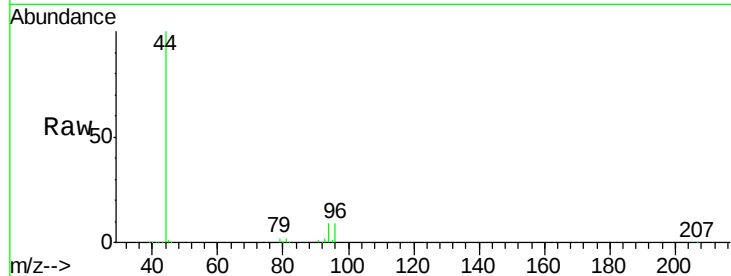
96 95.5 75.1 112.7

Manual Integrations

APPROVED

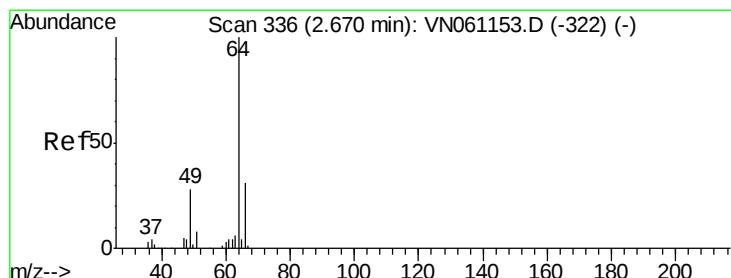
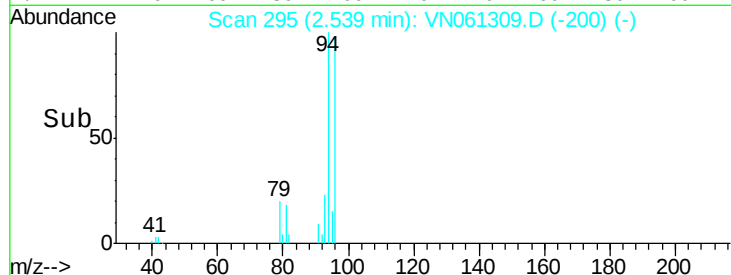
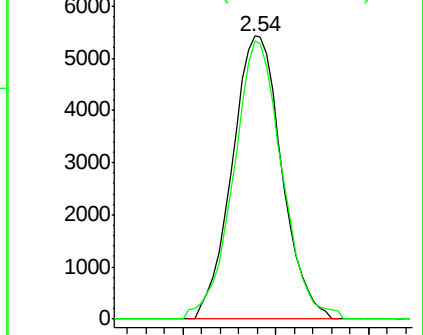
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5/7/2020 10:36:36 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 14.863 ug/l

RT: 2.67 min Scan# 337

Delta R.T. 0.00 min

Lab File: VN061309.D

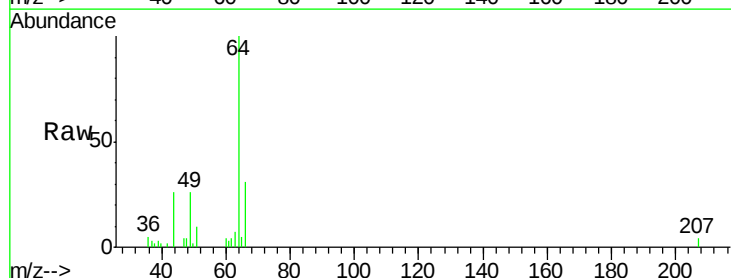
Acq: 6 May 2020 15:03

Tgt Ion: 64 Resp: 14849

Ion Ratio Lower Upper

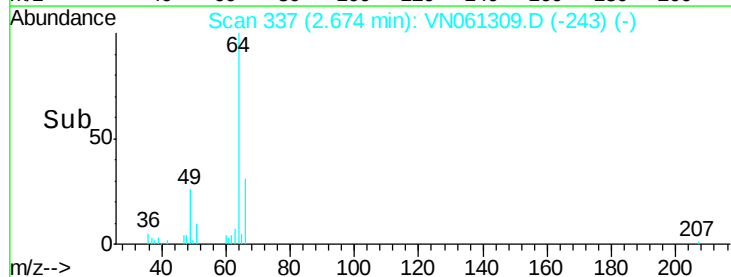
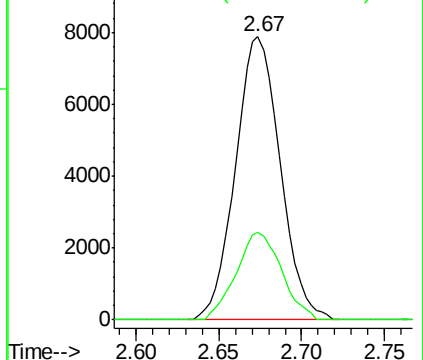
64 100

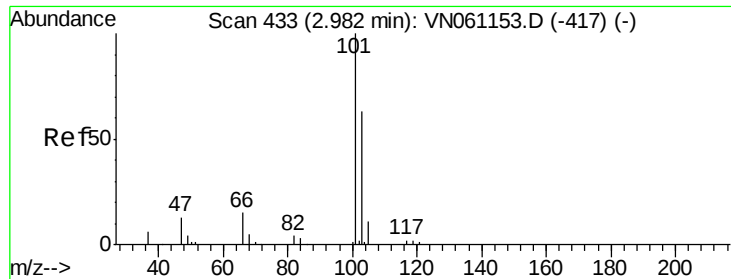
66 31.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

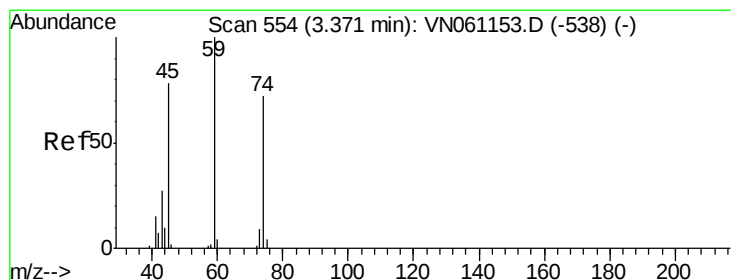
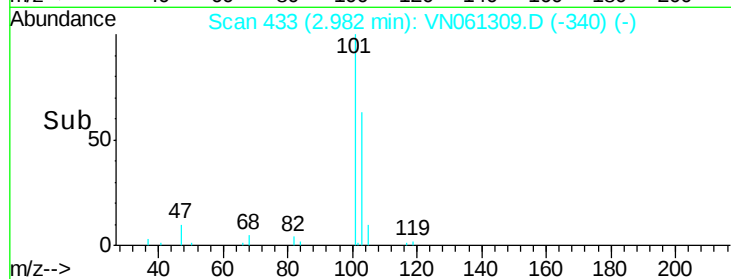
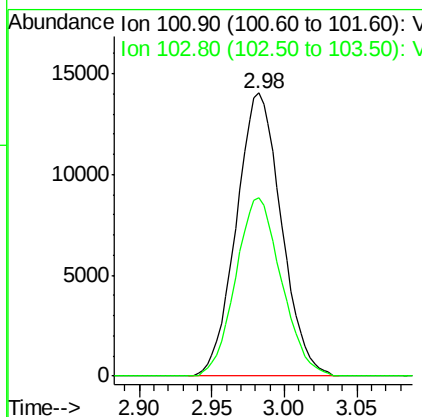
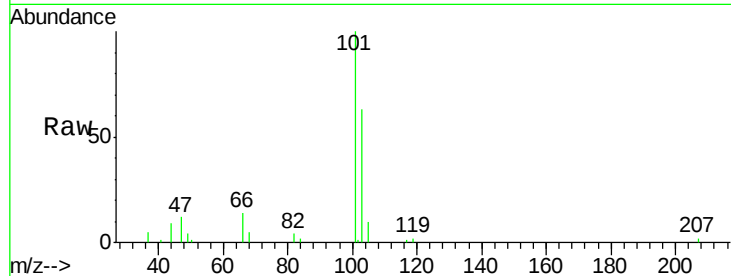
Trichlorofluoromethane
 Concen: 17.060 ug/l
 RT: 2.98 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.6	76.0

Manual Integrations
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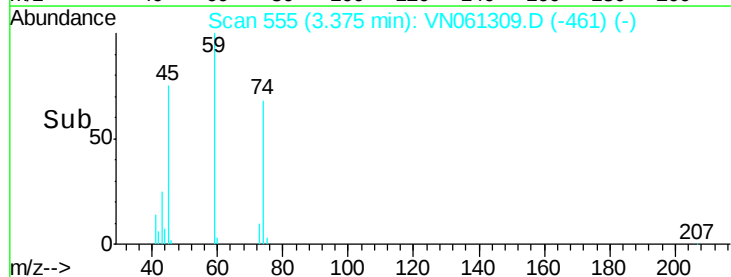
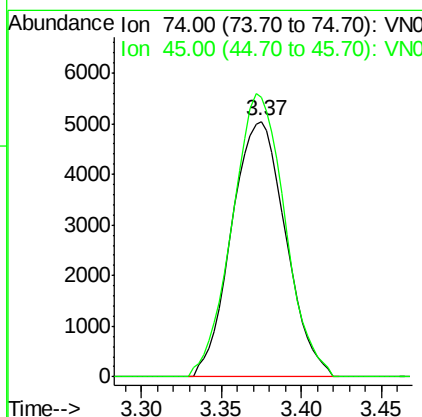
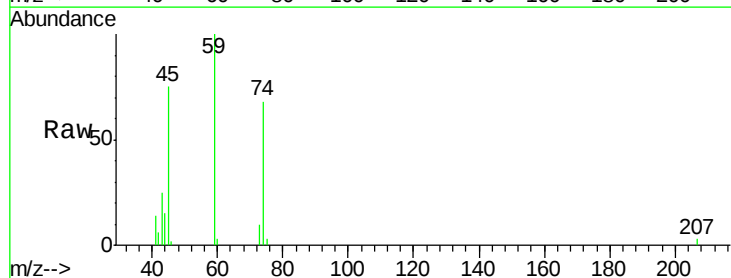
MMDadoda
 5/7/2020 10:36:36 AM

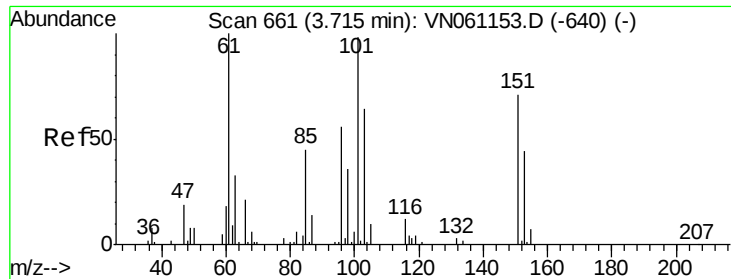


#8

Diethyl Ether
 Concen: 15.723 ug/l
 RT: 3.37 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.0	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.982 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

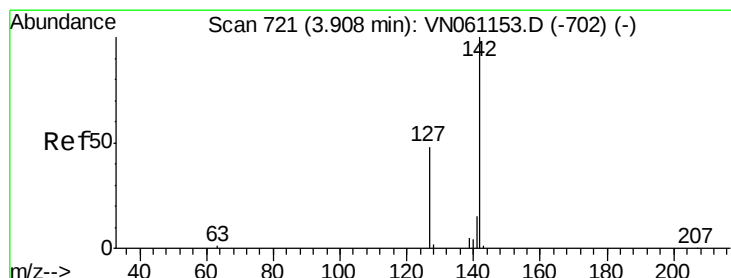
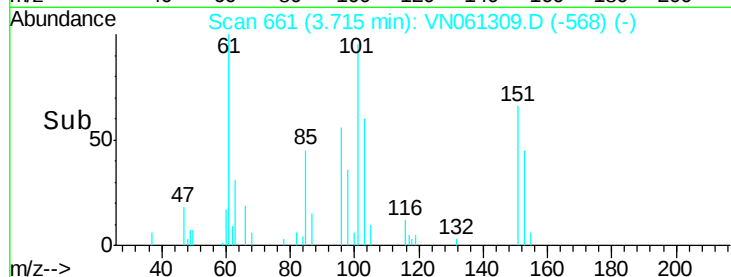
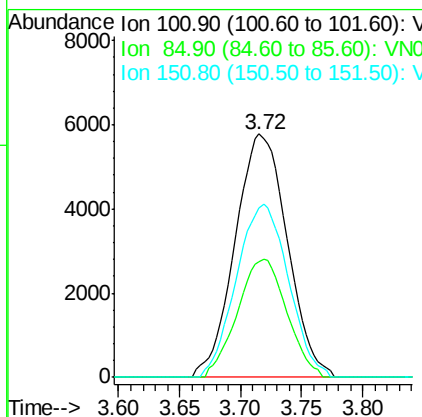
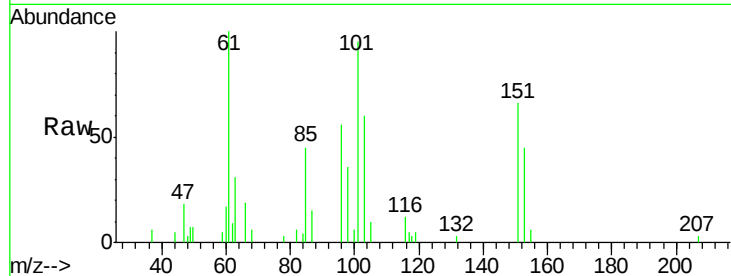
ClientSampleId :

VN0506WBSD01

Tot Ion:	101	Resp:	17164
Ion Ratio	Lower	Upper	
101	100		
85	45.8	37.2	55.8
151	71.0	57.7	86.5

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5/7/2020 10:36:36 AM



#10

Methyl Iodide

Concen: 12.726 ug/l

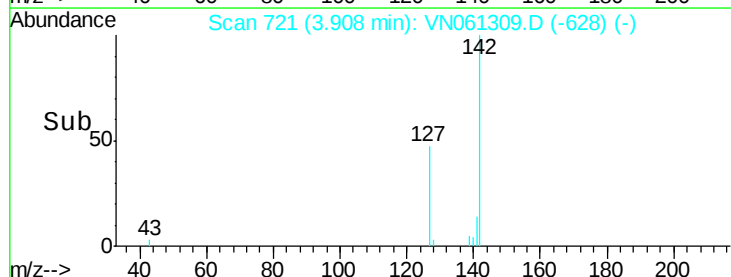
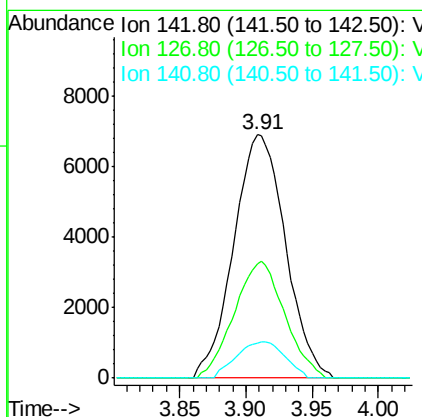
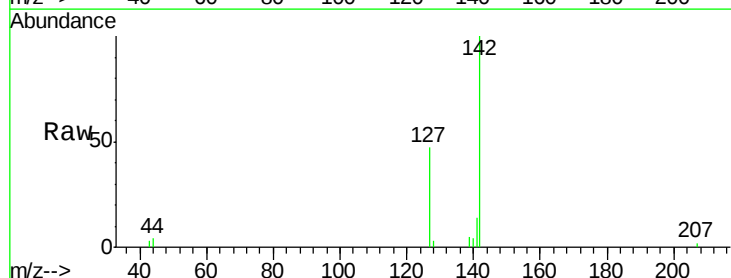
RT: 3.91 min Scan# 721

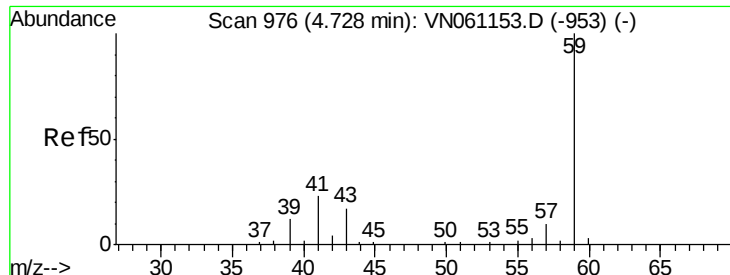
Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Tgt Ion:	142	Resp:	18737
Ion Ratio	Lower	Upper	
142	100		
127	46.8	38.0	57.0
141	14.0	11.7	17.5





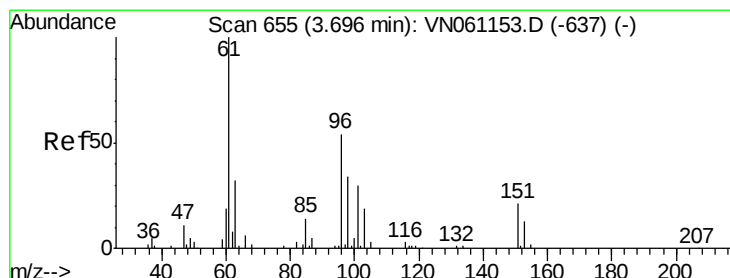
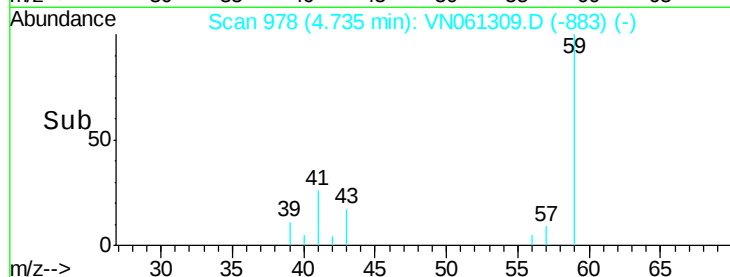
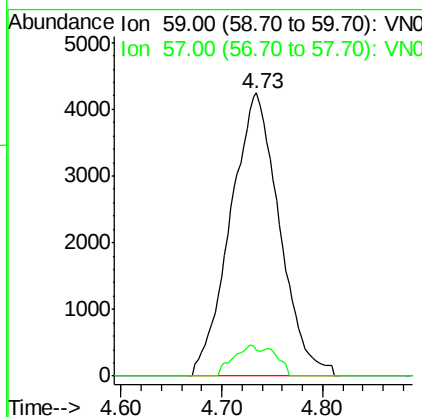
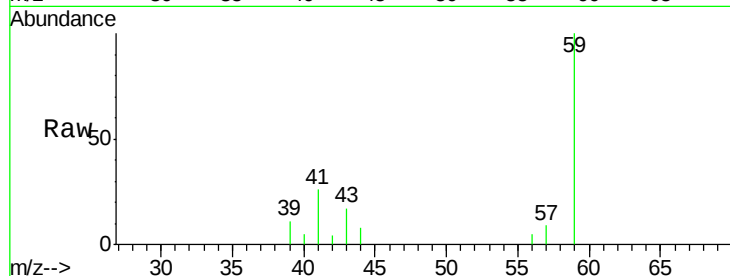
#11
Tert butyl alcohol
Concen: 62.441 ug/l
RT: 4.73 min Scan# 978
Delta R.T. 0.01 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion: 59 Resp: 14301
Ion Ratio Lower Upper
59 100
57 5.8 8.3 12.5#

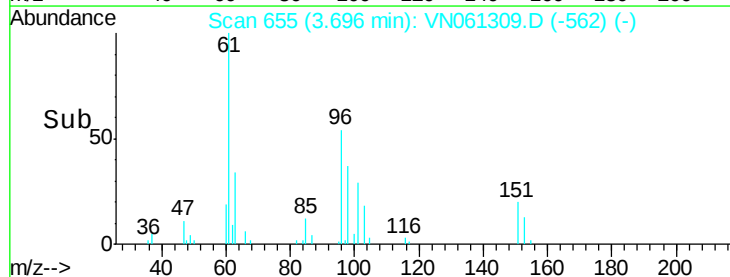
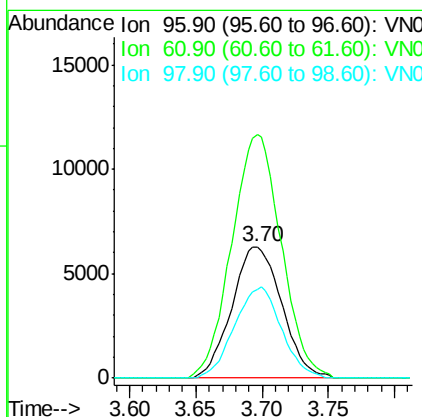
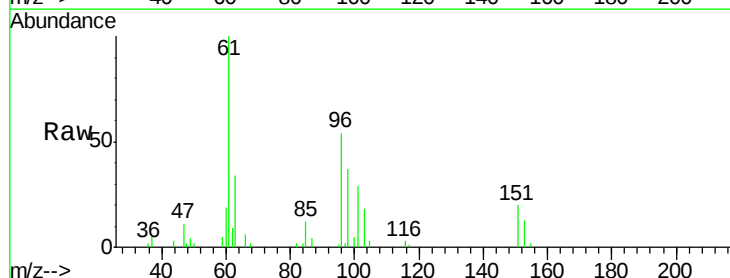
Manual Integrations
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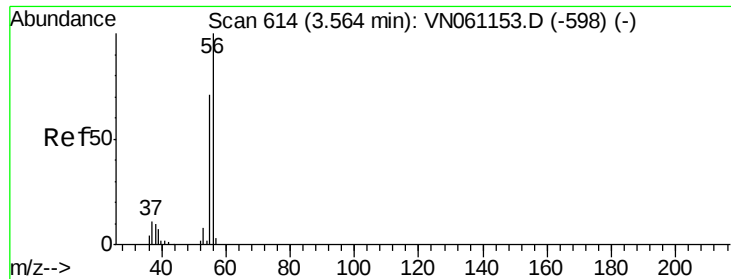
MMDadoda
5/7/2020 10:36:36 AM



#12
1,1-Dichloroethene
Concen: 14.446 ug/l
RT: 3.70 min Scan# 655
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion: 96 Resp: 16469
Ion Ratio Lower Upper
96 100
61 185.8 147.0 220.6
98 68.1 49.8 74.6





#13

Acrolein

Concen: 66.430 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 56 Resp: 10139

Ion Ratio Lower Upper

56 100

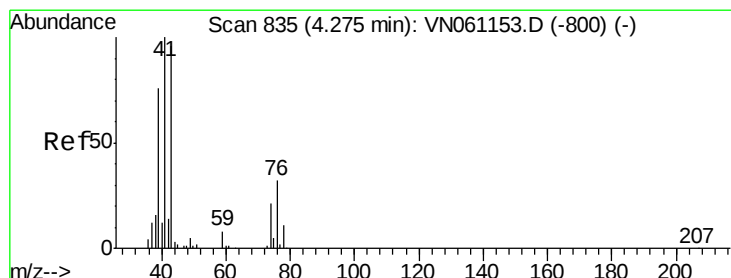
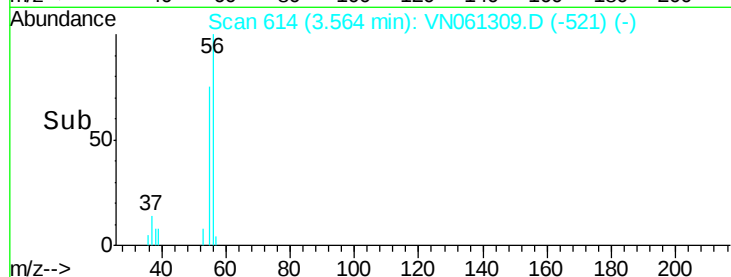
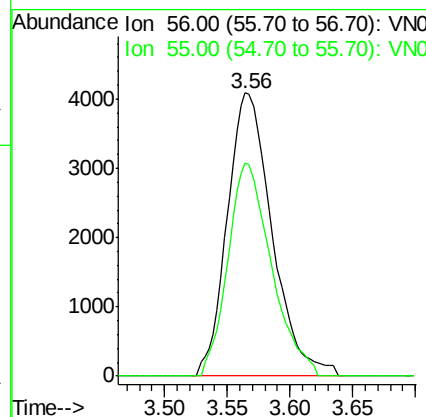
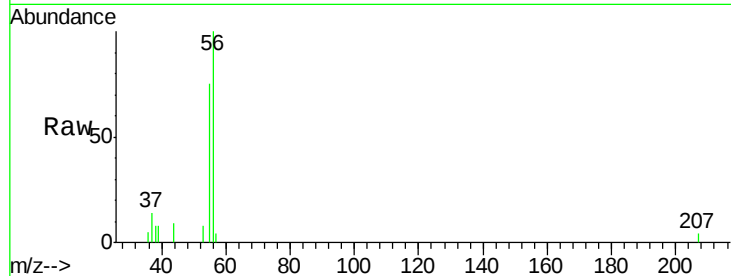
55 73.0 58.5 87.7

Manual Integrations

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MMDadoda

5/7/2020 10:36:36 AM



#14

Allyl chloride

Concen: 16.309 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

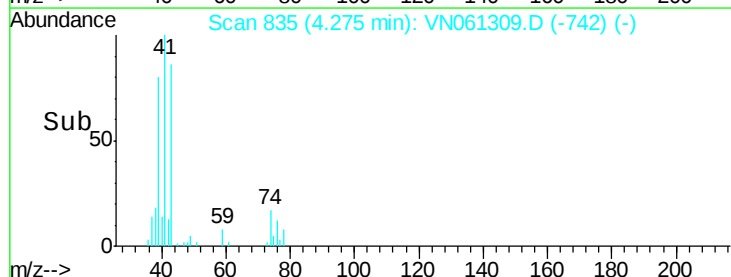
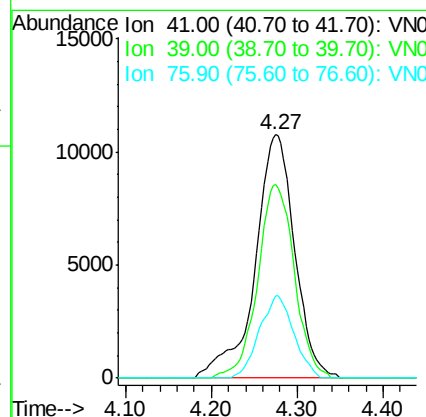
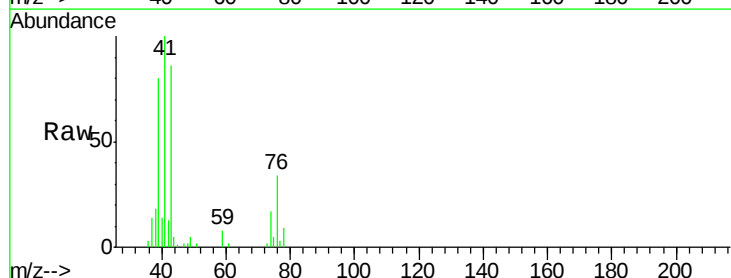
Tgt Ion: 41 Resp: 34475

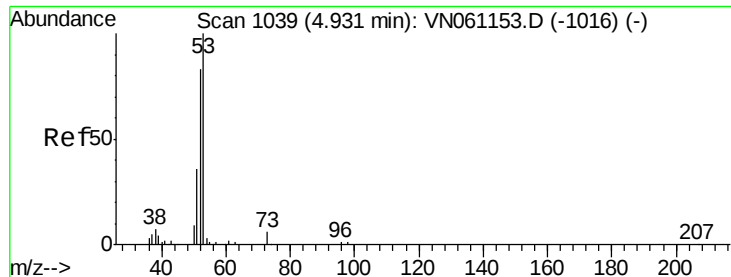
Ion Ratio Lower Upper

41 100

39 73.6 57.1 85.7

76 29.4 24.3 36.5





#15

Acrylonitrile

Concen: 72.283 ug/l

RT: 4.93 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

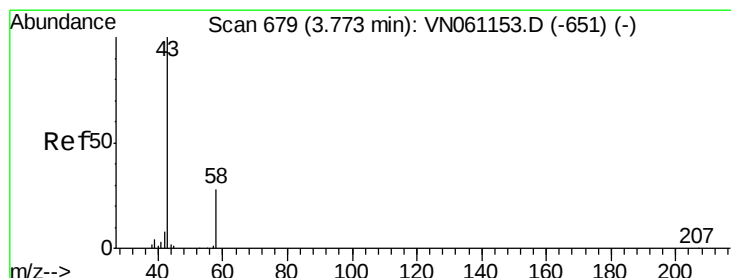
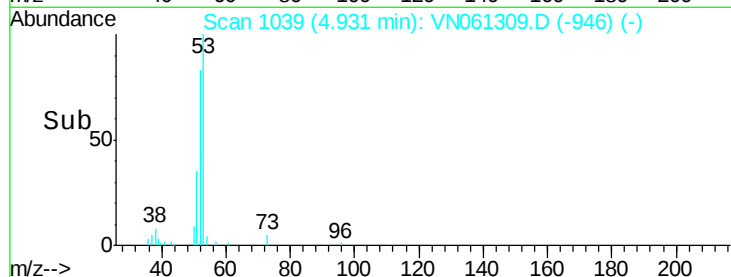
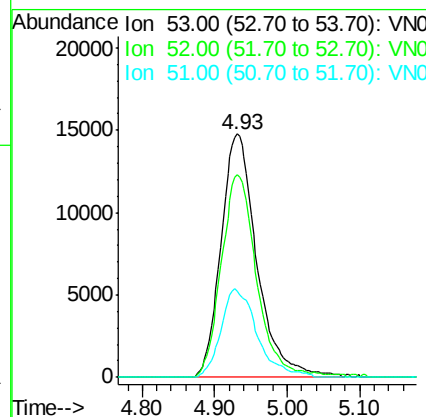
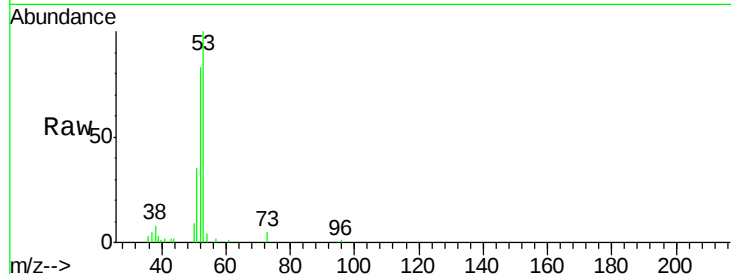
ClientSampleId :

VN0506WBSD01

Tot Ion:	53	Resp:	50820
Ion Ratio		Lower	Upper
53	100		
52	82.6	65.4	98.0
51	36.0	29.5	44.3

Manual Integrations
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5/7/2020 10:36:36 AM



#16

Acetone

Concen: 72.591 ug/l

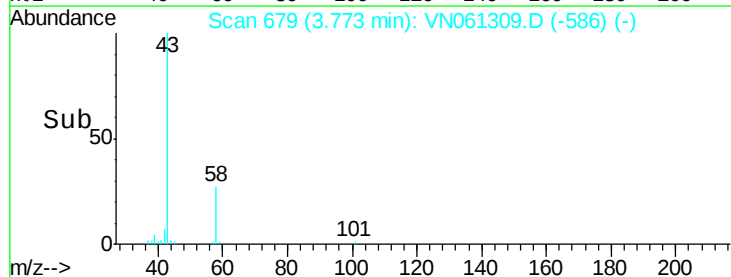
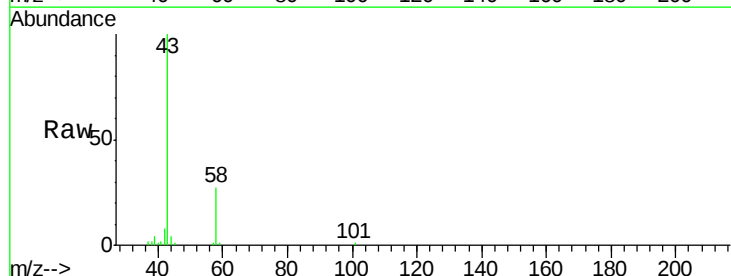
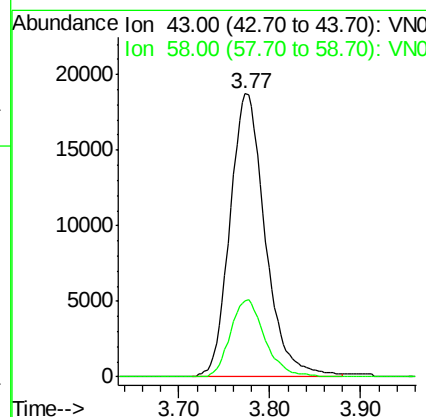
RT: 3.77 min Scan# 679

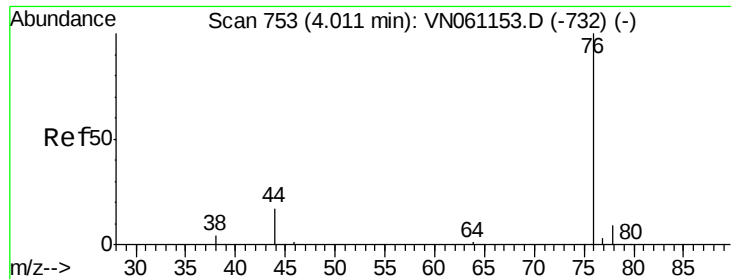
Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Tgt Ion:	43	Resp:	50592
Ion Ratio		Lower	Upper
43	100		
58	26.9	22.2	33.2





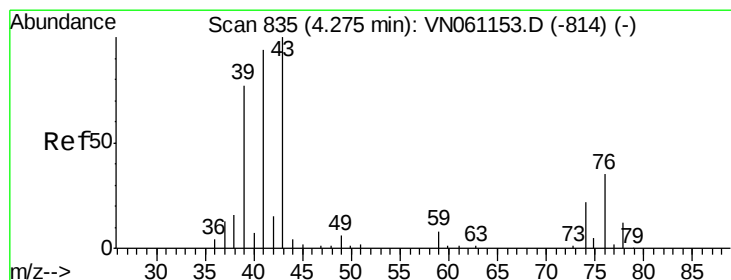
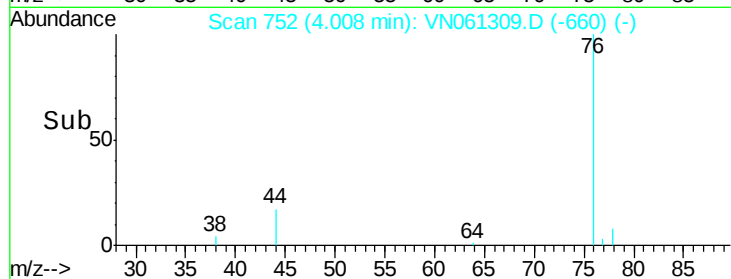
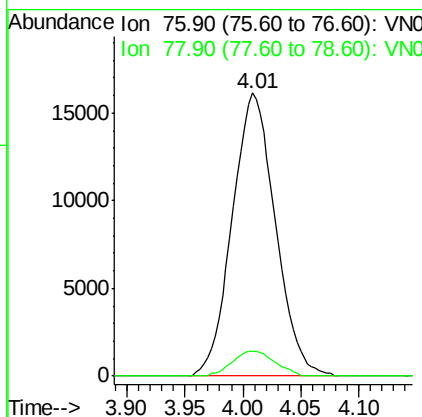
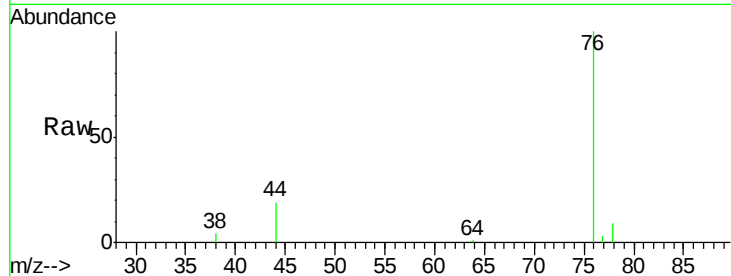
#17
Carbon Disulfide
Concen: 13.279 ug/l
RT: 4.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion: 76 Resp: 41817
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

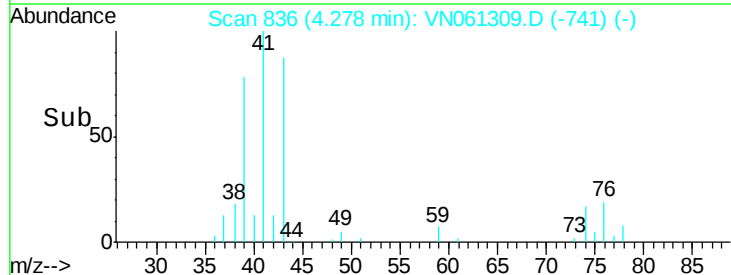
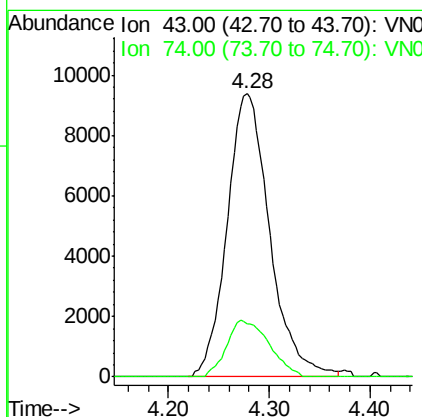
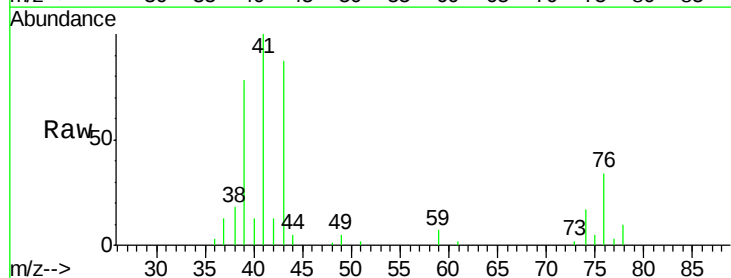
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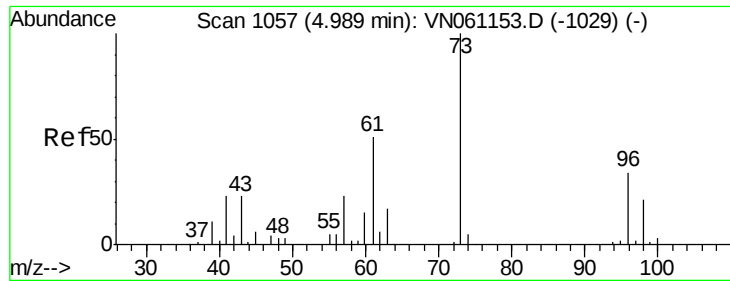
MMDadoda
5/7/2020 10:36:36 AM



#18
Methyl Acetate
Concen: 13.261 ug/l
RT: 4.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion: 43 Resp: 27529
Ion Ratio Lower Upper
43 100
74 19.9 17.0 25.4





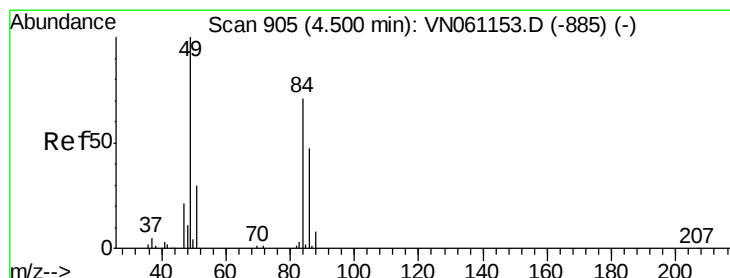
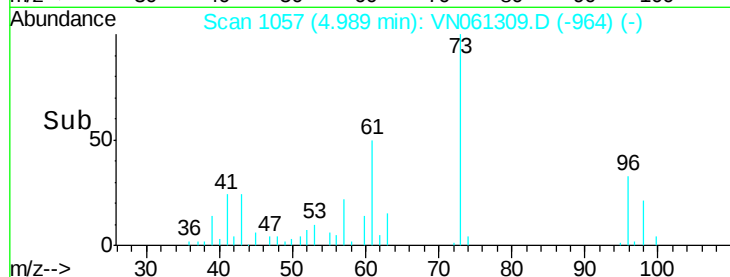
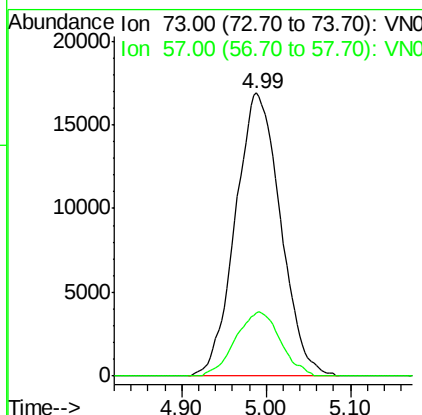
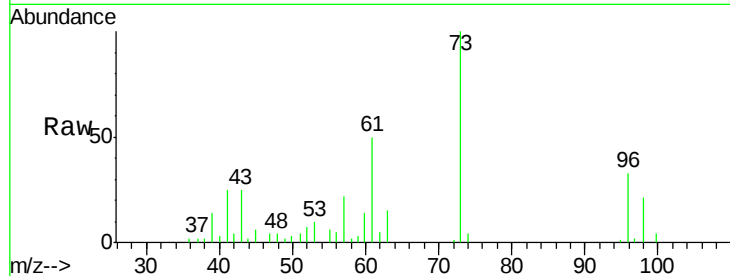
#19
Methvl tert-butvl Ether
Concen: 14.411 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion: 73 Resp: 62777
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5

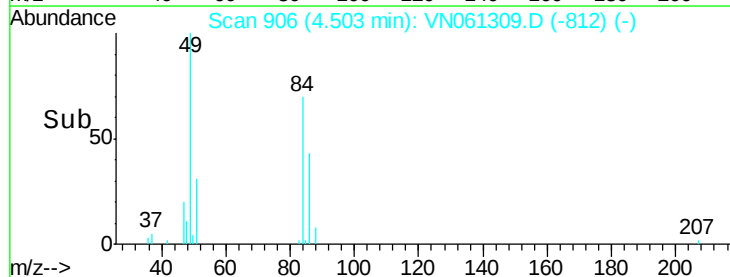
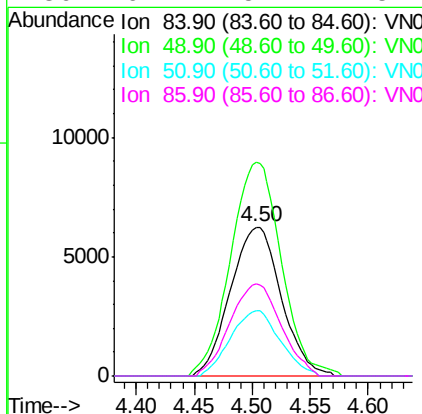
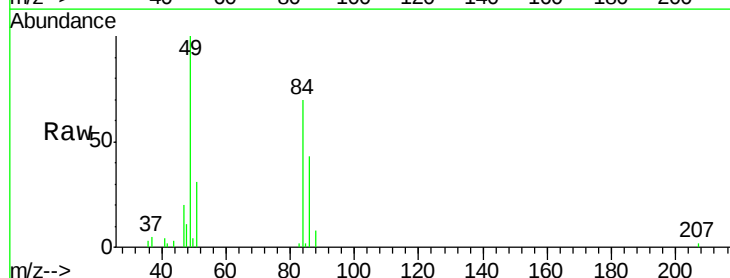
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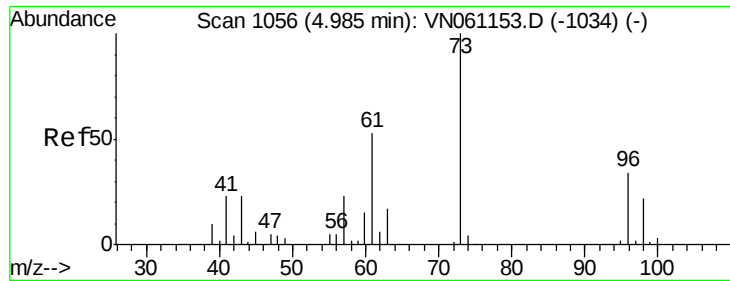
MMDadoda
5/7/2020 10:36:36 AM



#20
Methylene Chloride
Concen: 14.273 ug/l
RT: 4.50 min Scan# 906
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion: 84 Resp: 19029
Ion Ratio Lower Upper
84 100
49 143.4 112.0 168.0
51 43.8 33.6 50.4
86 61.7 52.1 78.1





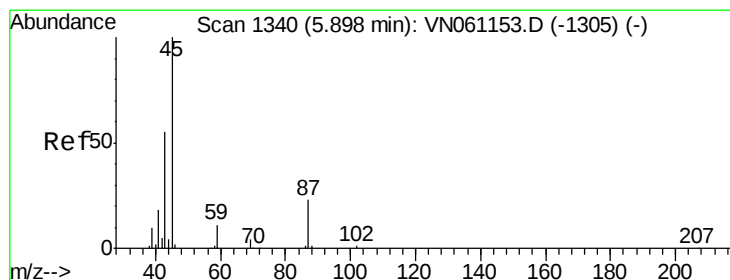
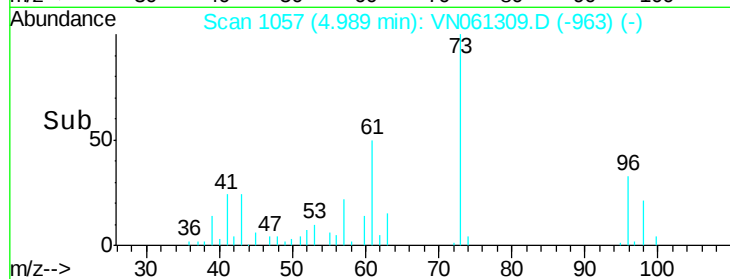
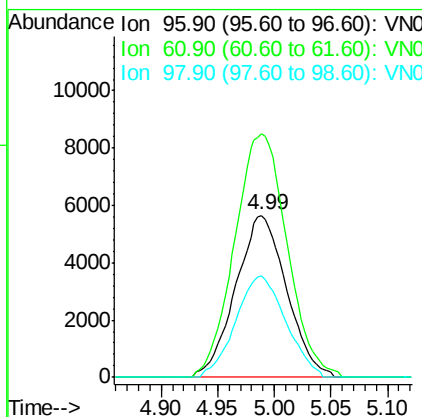
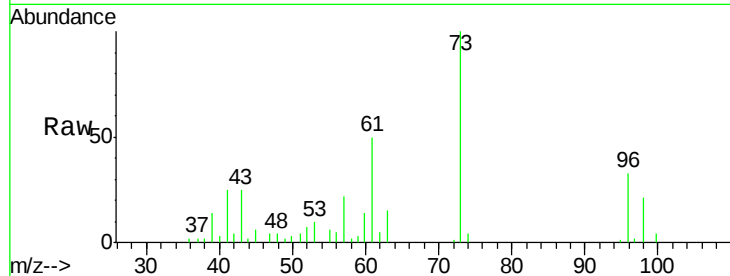
#21
trans-1,2-Dichloroethene
Concen: 14.261 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.4	123.0	184.4
98	62.5	50.1	75.1

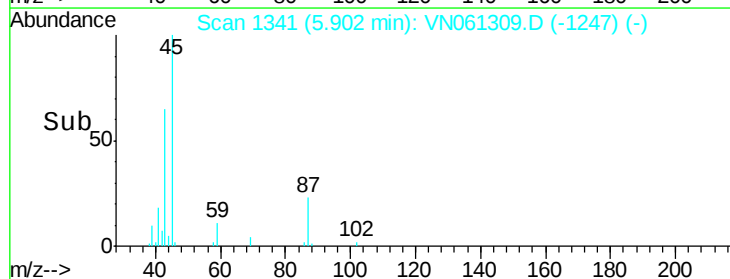
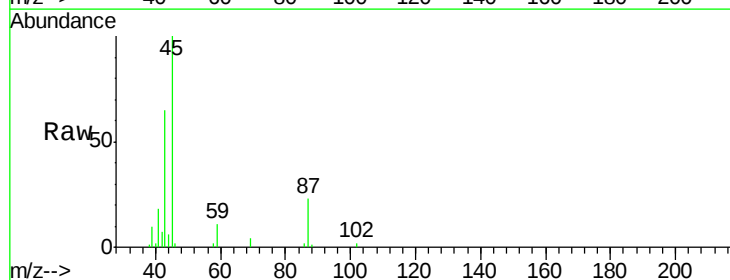
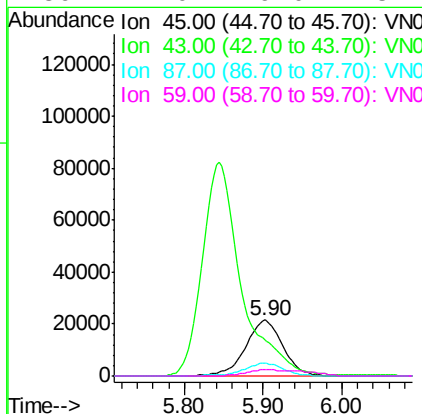
Manual Integrations
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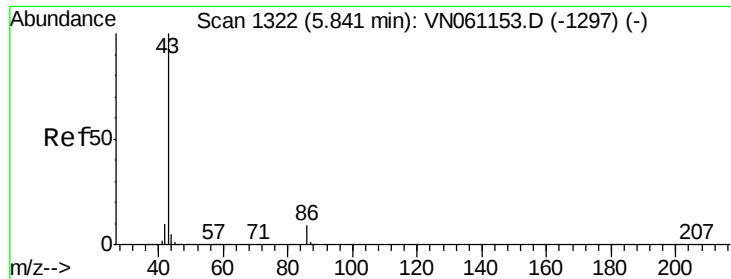
MMDadoda
5/7/2020 10:36:36 AM



#22
Diisopropyl ether
Concen: 14.704 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	47.9	71.9
87	23.1	19.2	28.8
59	11.0	9.0	13.4





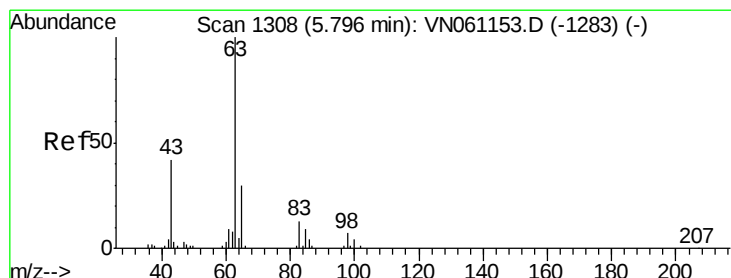
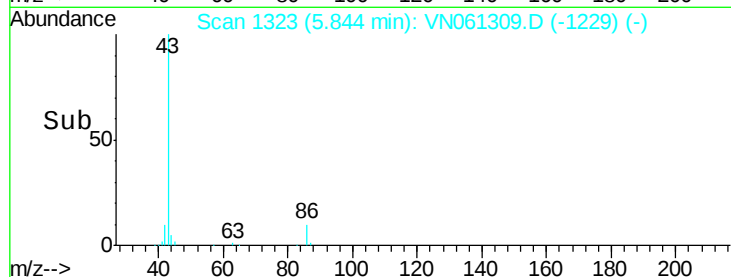
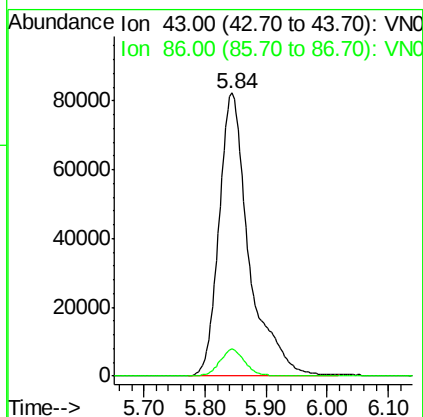
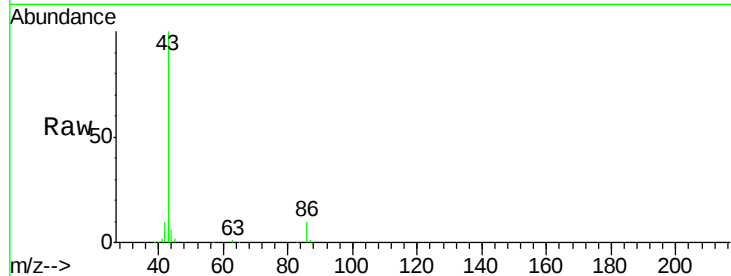
#23
 Vinyl Acetate
 Concen: 71.380 ug/l
 RT: 5.84 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	43	Resp	281726
Ion Ratio	Lower	Upper	
43	100		
86	9.6	7.2	10.8

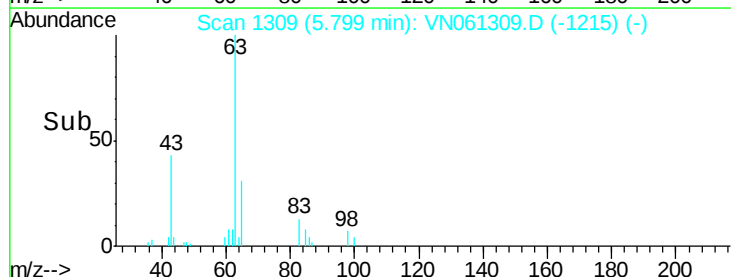
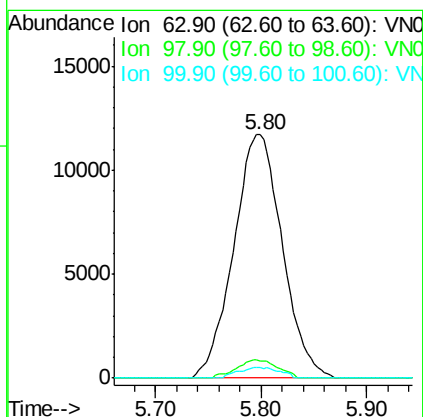
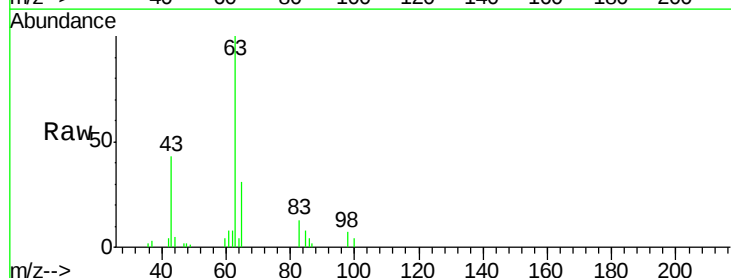
Manual Integrations
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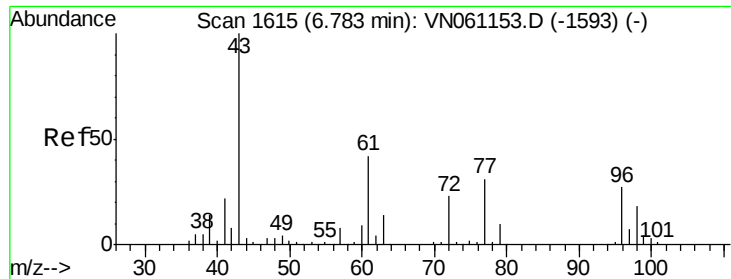
MMDadoda
 5/7/2020 10:36:36 AM



#24
 1,1-Dichloroethane
 Concen: 14.609 ug/l
 RT: 5.80 min Scan# 1309
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Tgt Ion	63	Resp	37416
Ion Ratio	Lower	Upper	
63	100		
98	7.3	3.3	9.9
100	4.1	1.9	5.7





#25

2-Butanone

Concen: 70.664 ug/l

RT: 6.79 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 43 Resp: 71491

Ion Ratio Lower Upper

43 100

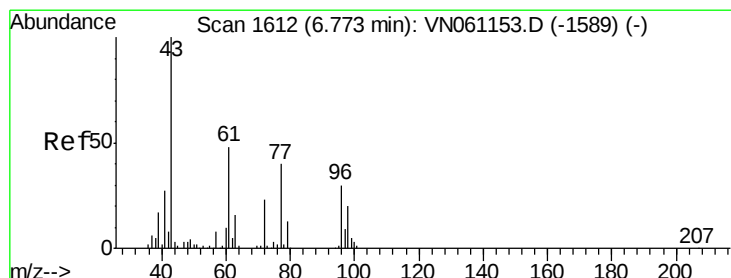
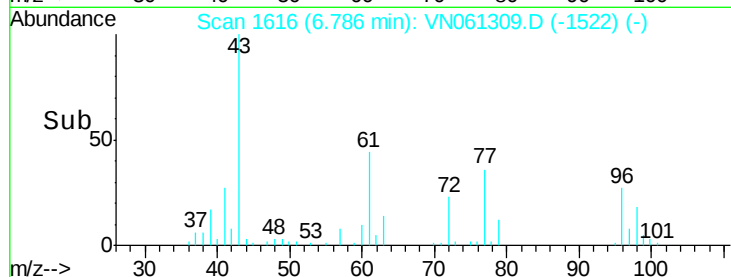
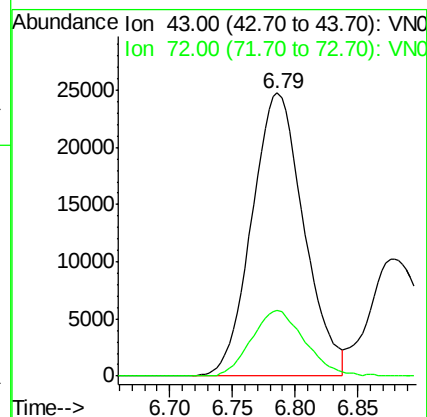
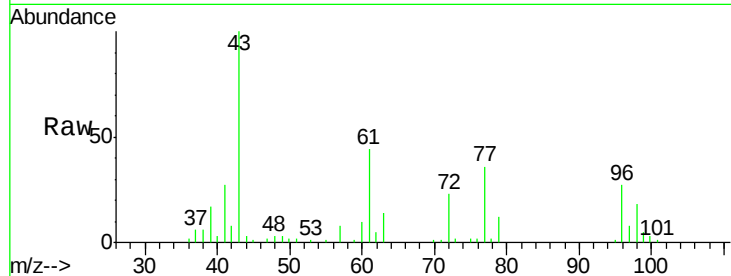
72 23.2 18.2 27.4

Manual Integrations

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5/7/2020 10:36:36 AM



#26

2,2-Dichloropropane

Concen: 15.918 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VN061309.D

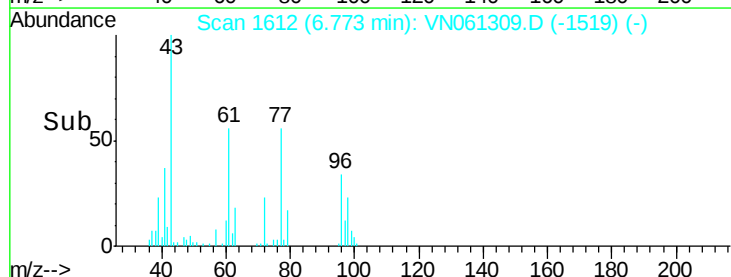
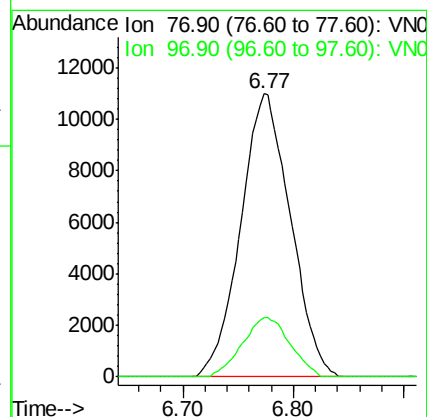
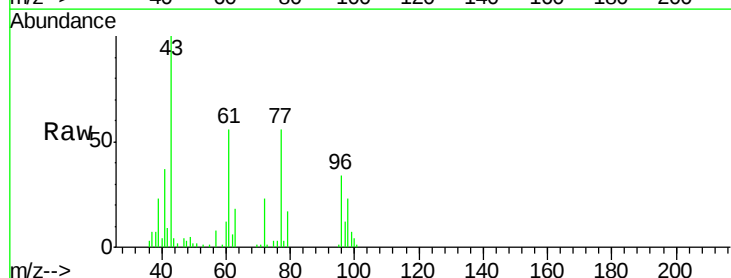
Acq: 6 May 2020 15:03

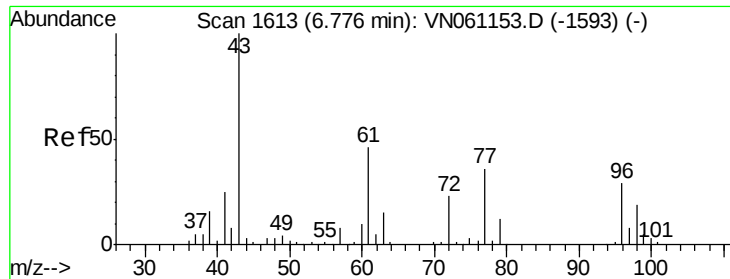
Tgt Ion: 77 Resp: 34339

Ion Ratio Lower Upper

77 100

97 20.1 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 14.114 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

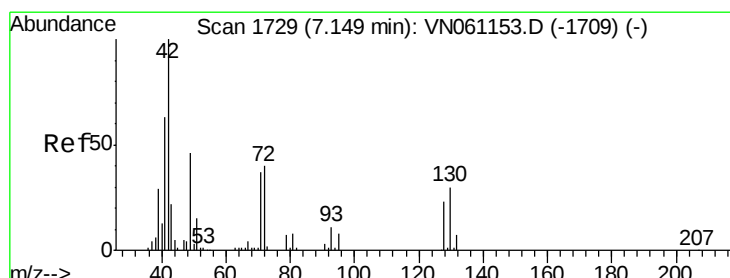
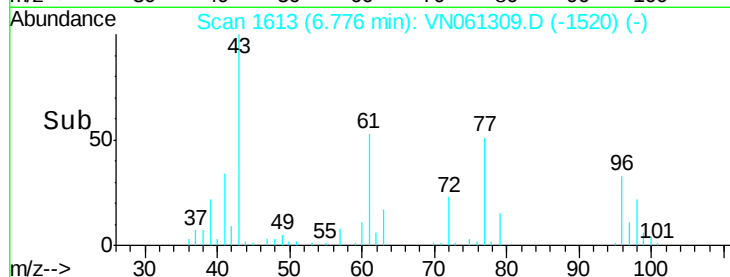
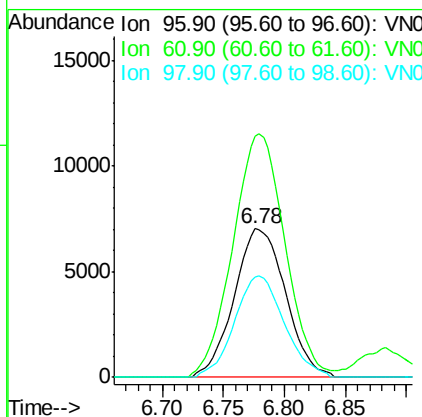
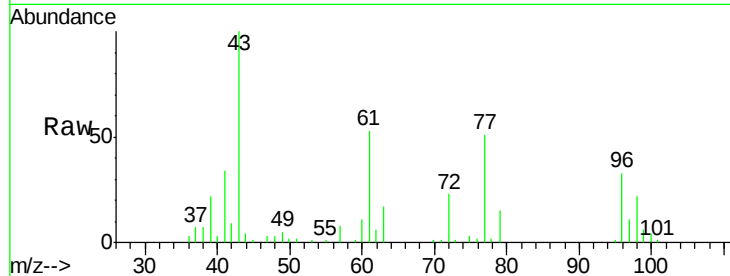
ClientSampleId :

VN0506WBSD01

Tot Ion:	96	Resp:	20561
Ion	Ratio	Lower	Upper
96	100		
61	166.0	0.0	322.0
98	65.7	0.0	129.6

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#28

Bromochloromethane

Concen: 22.156 ug/l

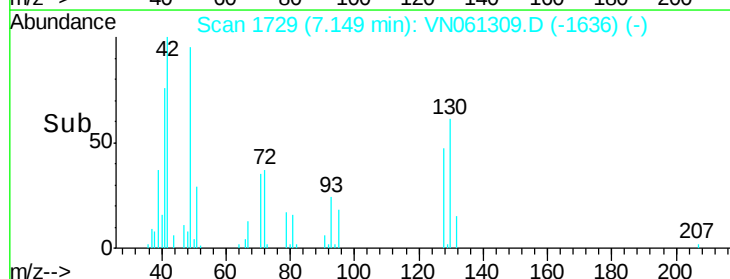
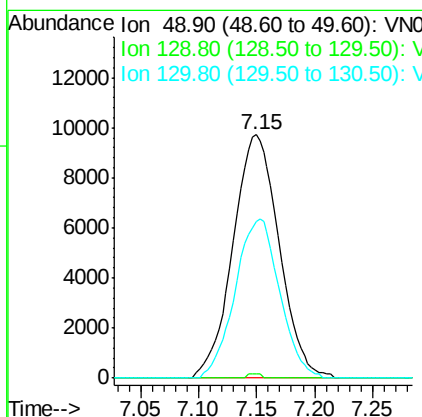
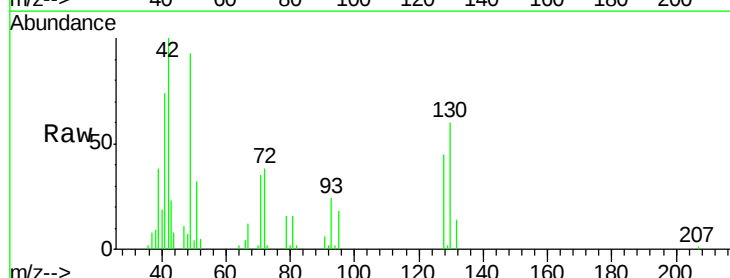
RT: 7.15 min Scan# 1729

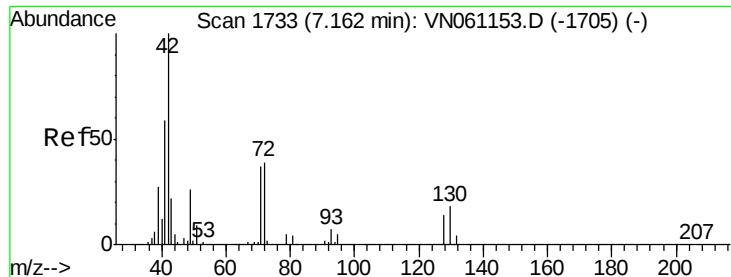
Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Tgt Ion:	49	Resp:	26895
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.0
130	63.0	51.4	77.2





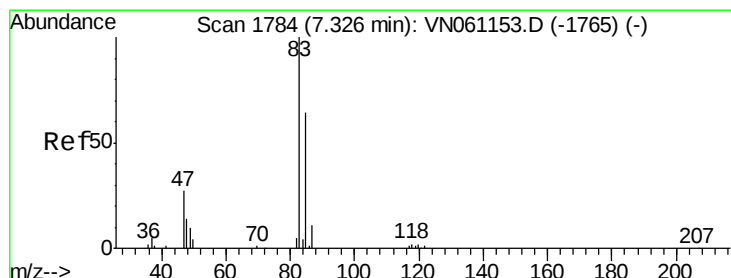
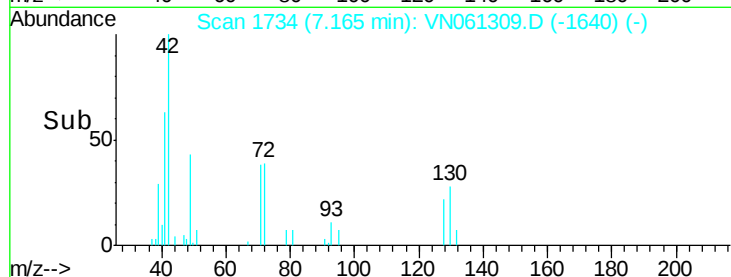
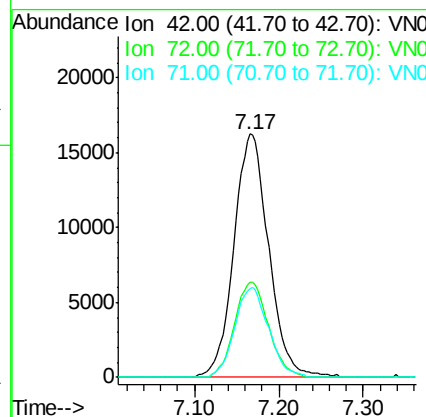
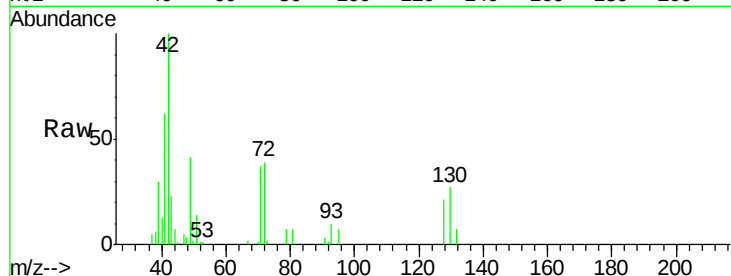
#29
Tetrahydrofuran
Concen: 68.554 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.4	47.0
71	35.8	29.5	44.3

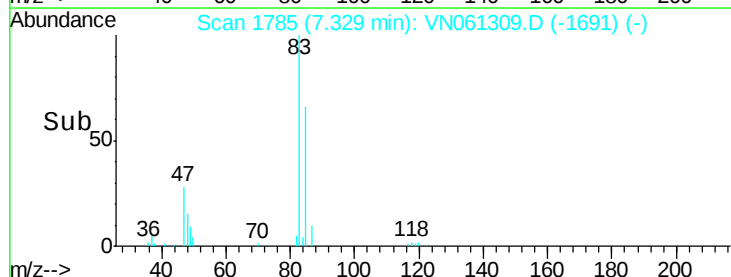
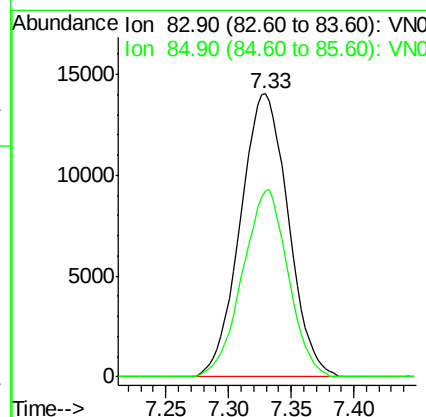
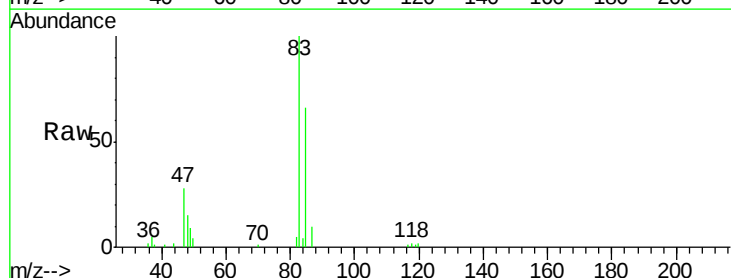
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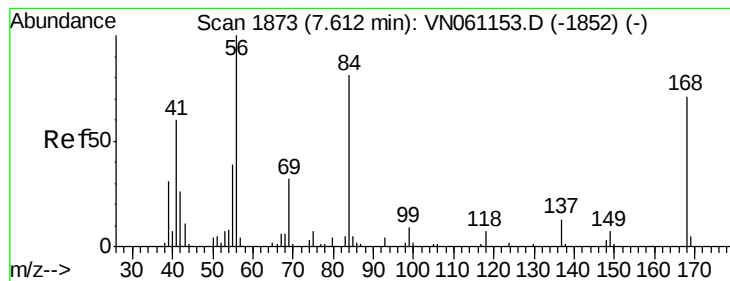
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#30
Chloroform
Concen: 14.381 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.1	76.7





#31

Cyclohexane

Concen: 12.892 ug/l

RT: 7.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

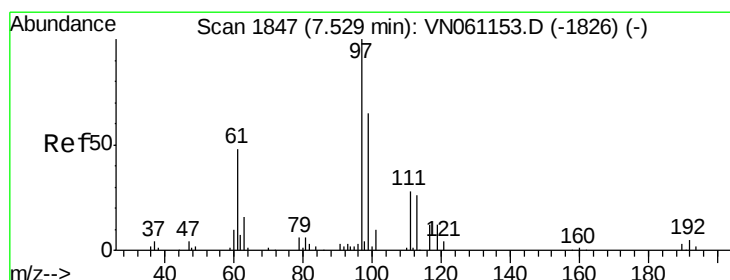
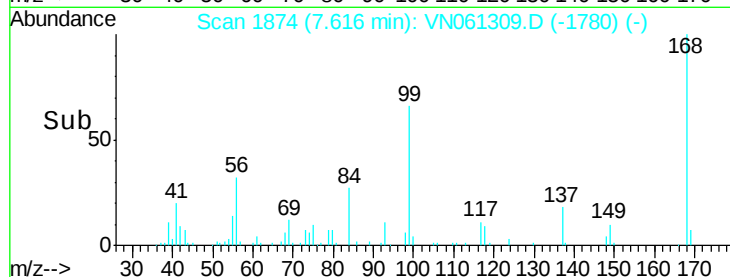
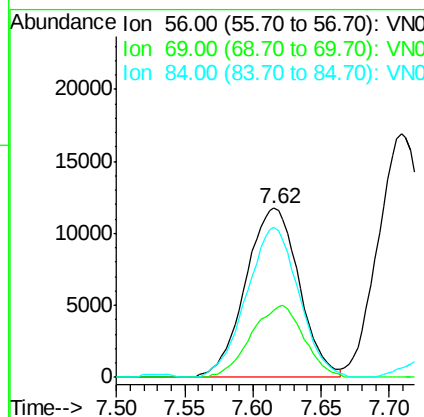
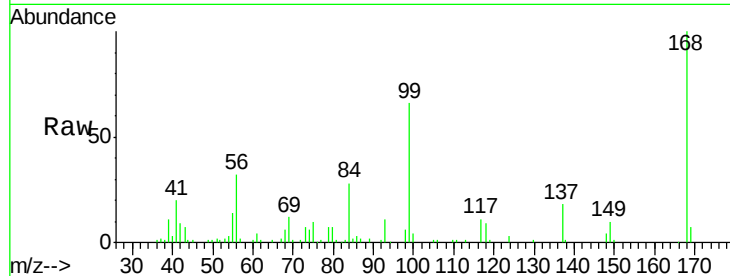
ClientSampled :

VN0506WBSD01

Tot Ion:	56	Resp:	32065
Ion Ratio	Lower	Upper	
56	100		
69	39.4	25.7	38.5#
84	88.5	64.6	97.0

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#32

1,1,1-Trichloroethane

Concen: 14.143 ug/l

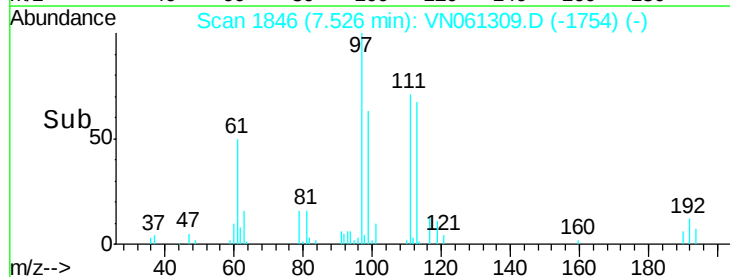
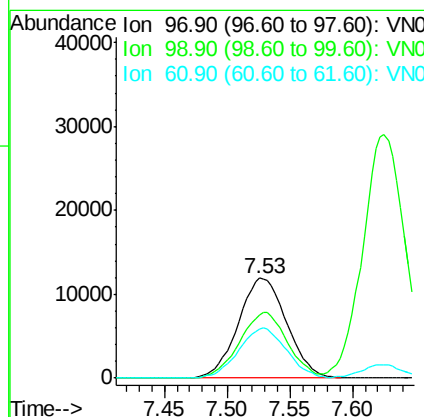
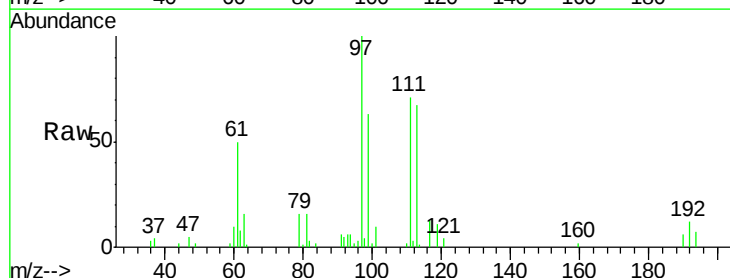
RT: 7.53 min Scan# 1846

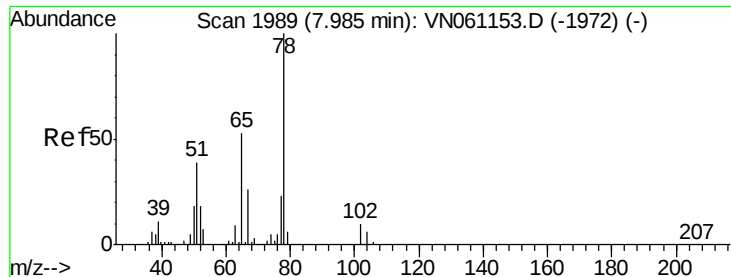
Delta R.T. -0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Tgt Ion:	97	Resp:	31965
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.3	76.9
61	49.3	38.6	57.8





#33

1,2-Dichloroethane-d4

Concen: 50.069 ug/l

RT: 7.99 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 65 Resp: 85604

Ion Ratio Lower Upper

65 100

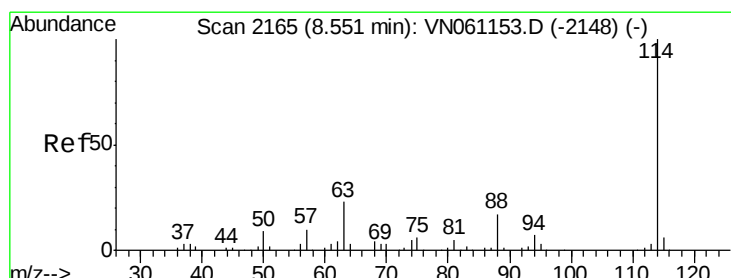
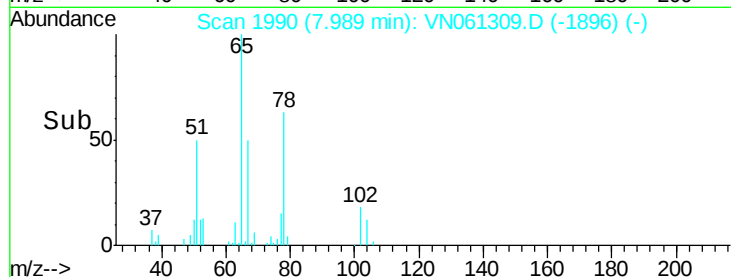
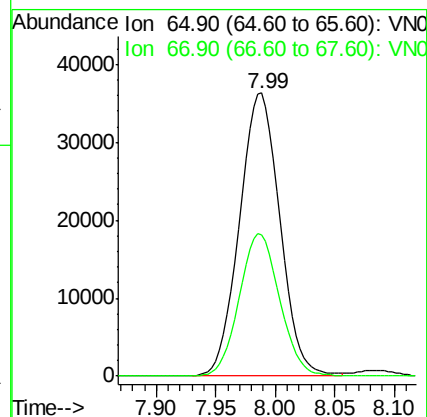
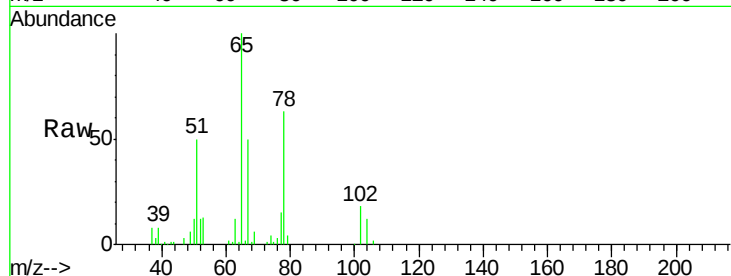
67 50.1 0.0 101.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

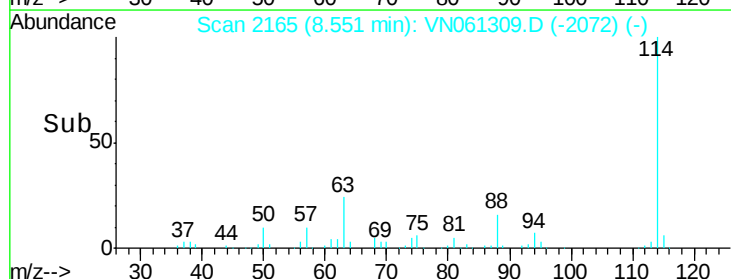
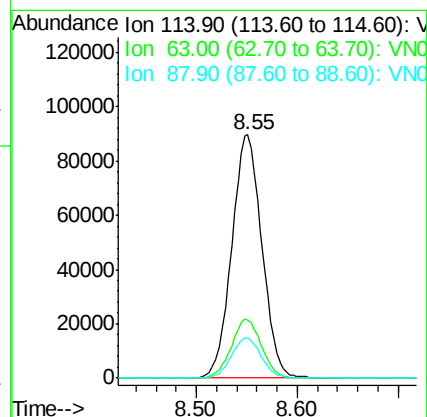
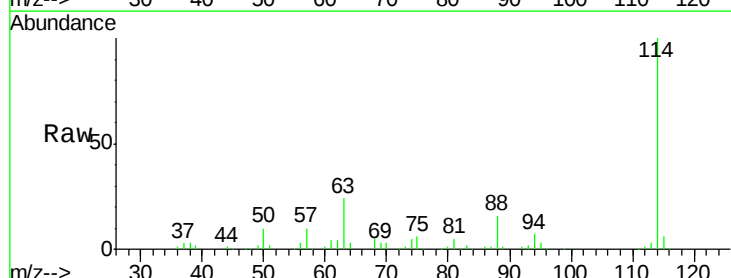
Tgt Ion: 114 Resp: 186621

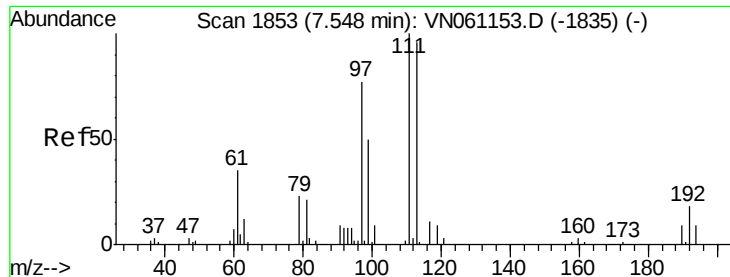
Ion Ratio Lower Upper

114 100

63 24.0 0.0 46.6

88 16.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.752 ug/l

RT: 7.55 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

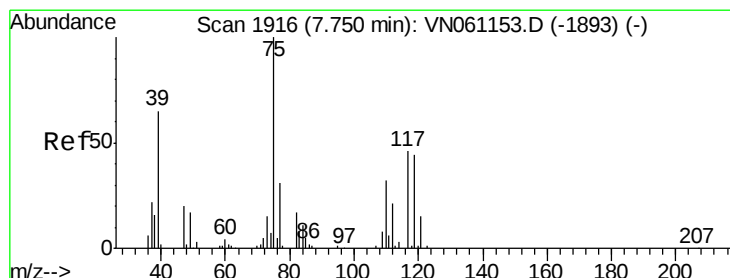
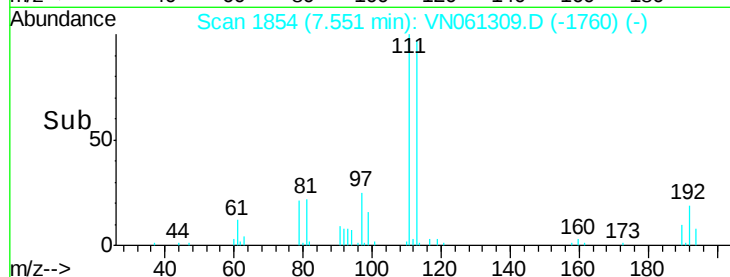
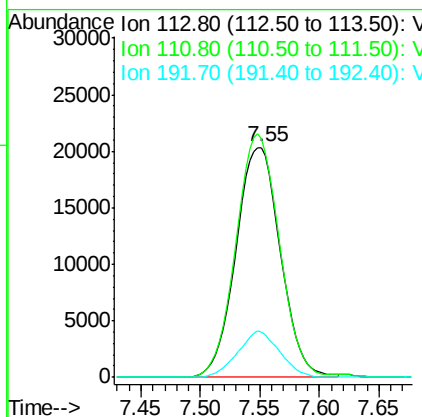
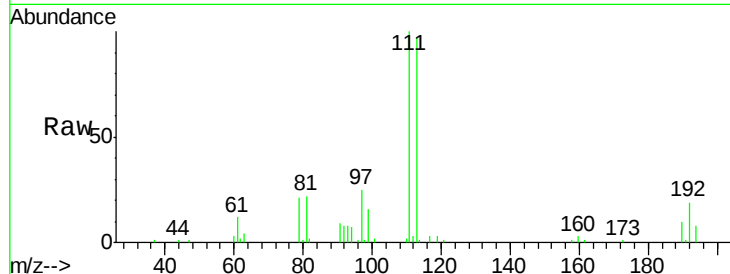
ClientSampleId :

VN0506WBSD01

Tot Ion:	113	Resp:	52696
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	18.8	14.7	22.1

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#36

1,1-Dichloropropene

Concen: 14.358 ug/l

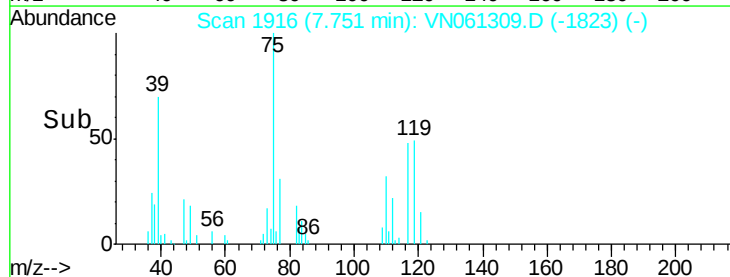
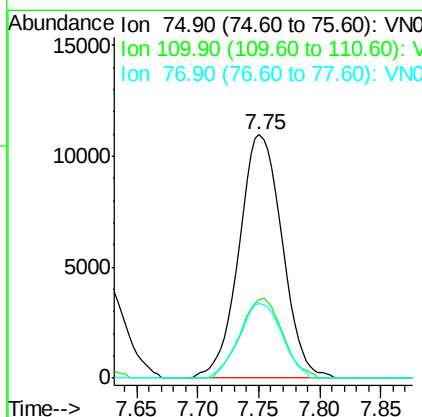
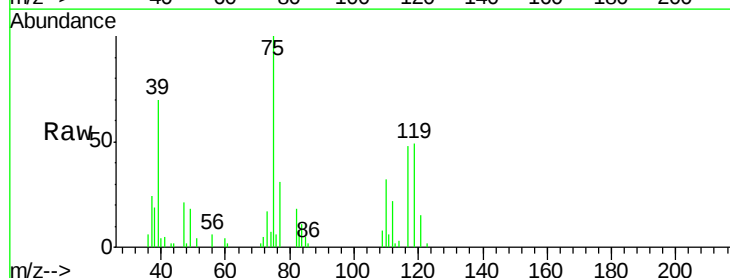
RT: 7.75 min Scan# 1916

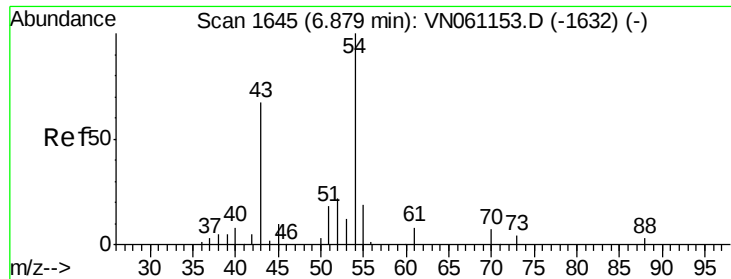
Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Tgt Ion:	75	Resp:	26824
Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.0	48.0
77	30.5	24.6	37.0





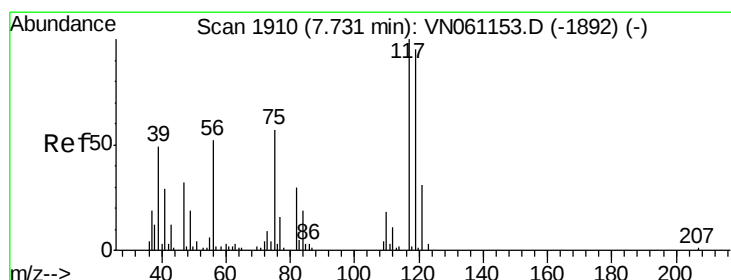
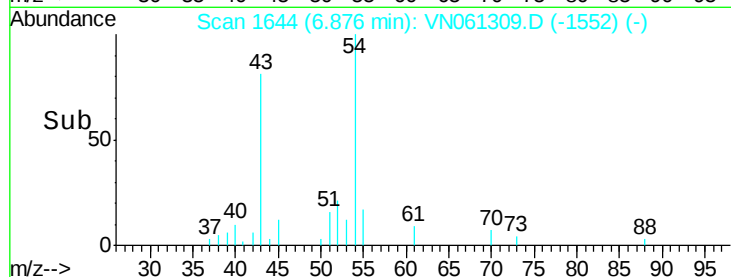
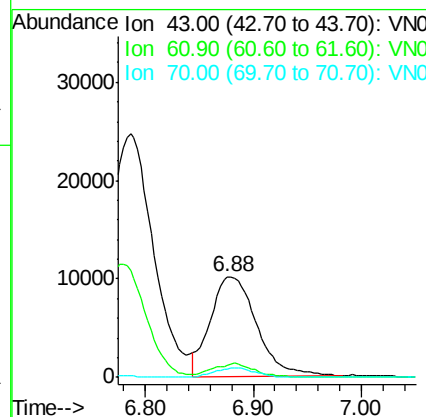
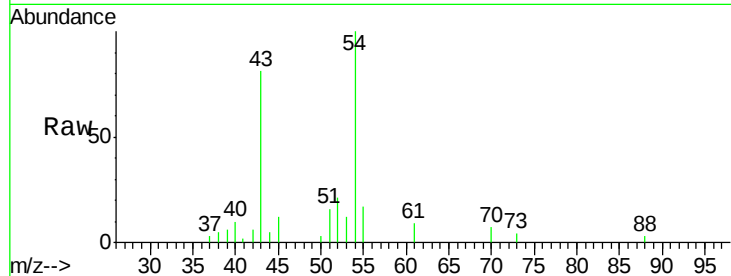
#37
Ethyl Acetate
Concen: 13.673 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	8.3	7.2	10.8

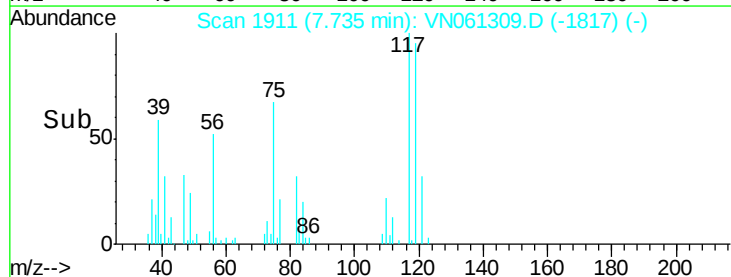
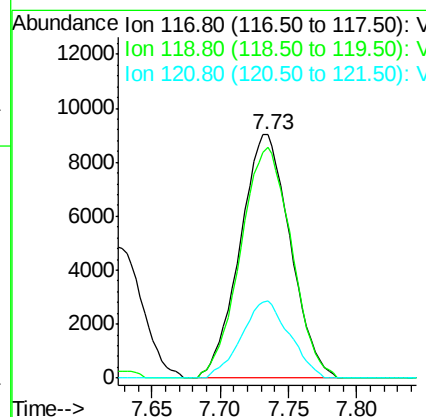
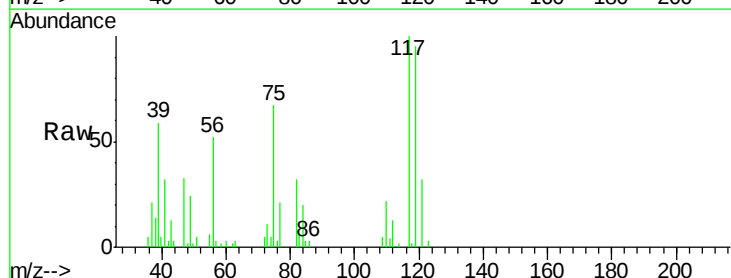
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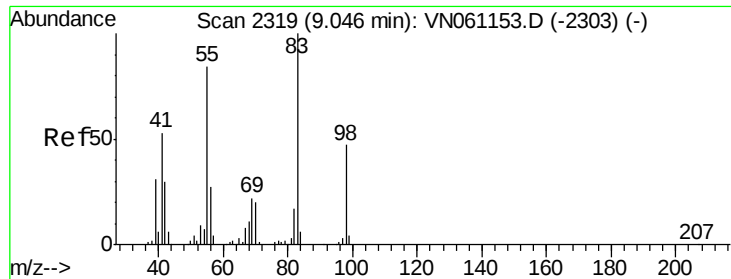
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#38
Carbon Tetrachloride
Concen: 15.215 ug/l
RT: 7.73 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.8	113.6
121	31.6	24.7	37.1





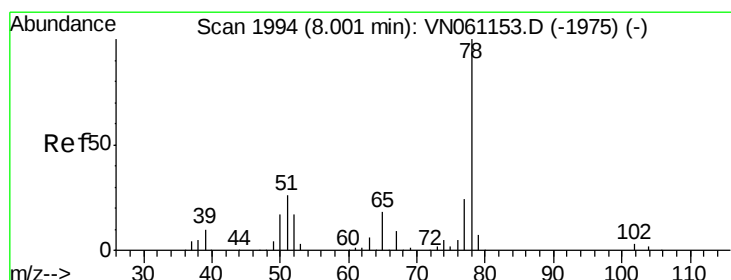
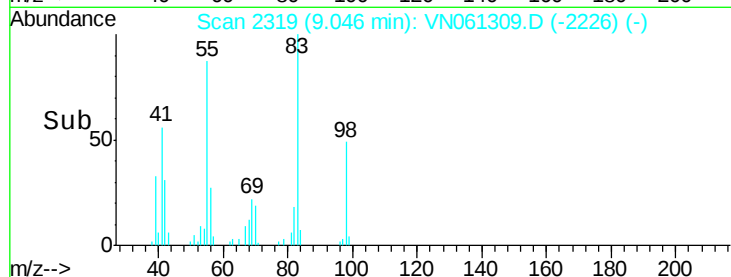
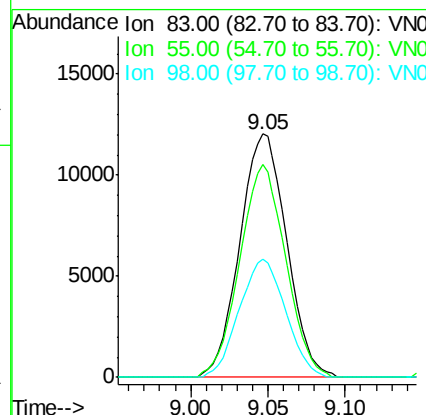
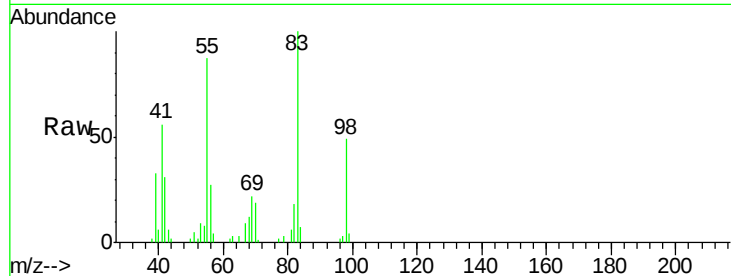
#39
Methvlcvclohexane
Concen: 12.100 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.3	67.3	100.9
98	48.6	37.7	56.5

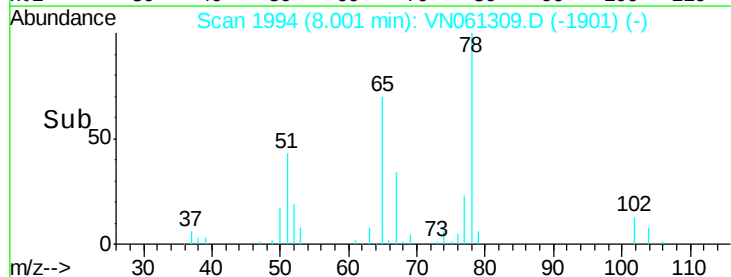
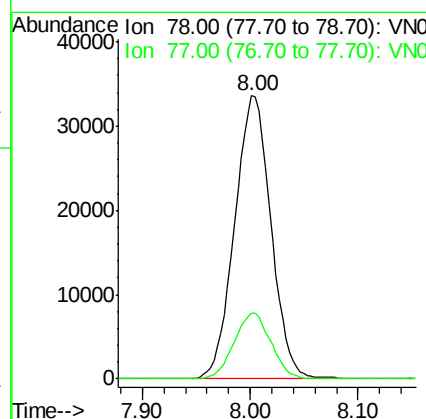
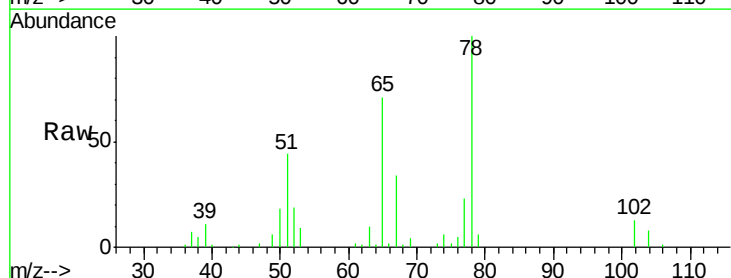
Manual Integrations
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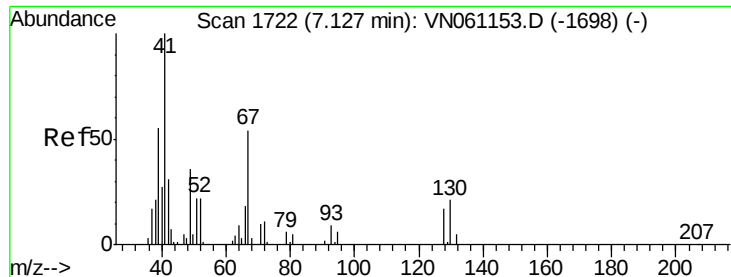
MMDadoda
5/7/2020 10:36:36 AM



#40
Benzene
Concen: 14.171 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





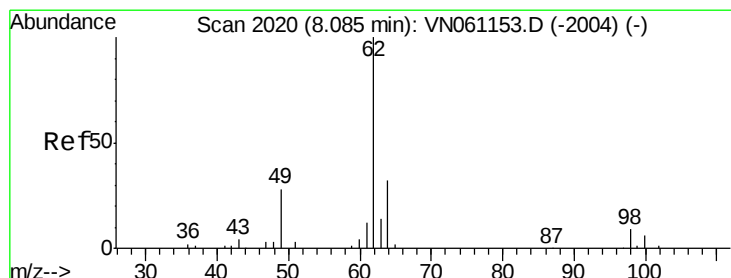
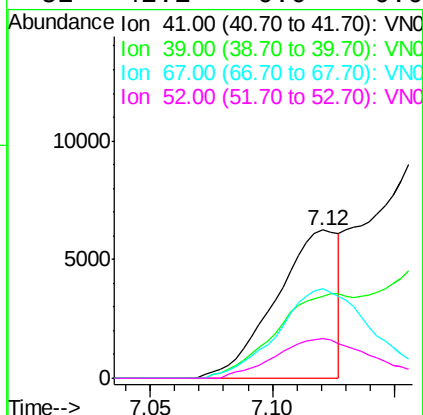
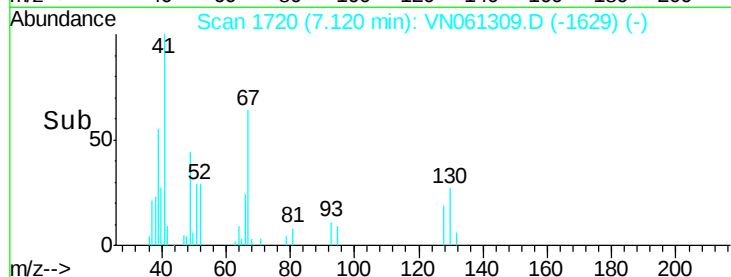
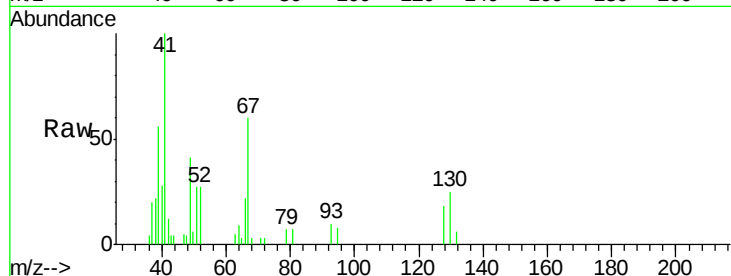
#41
Methacrylonitrile
Concen: 12.158 ug/l
RT: 7.12 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.9	0.0	0.0#
67	92.6	0.0	0.0#
52	42.1	0.0	0.0#

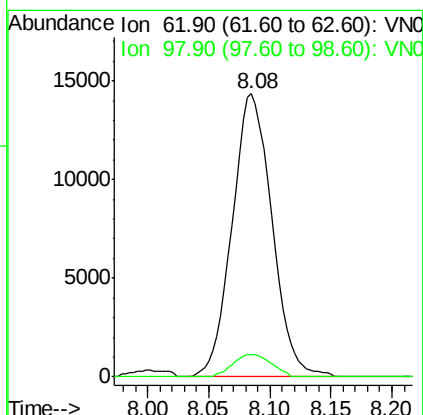
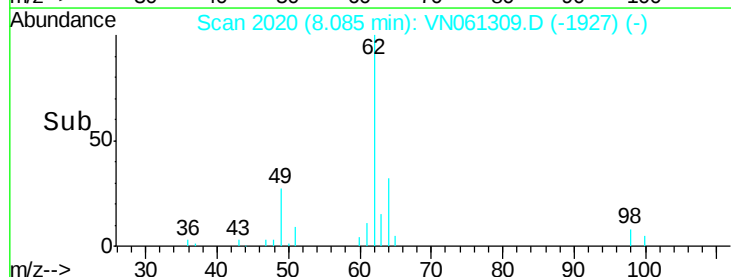
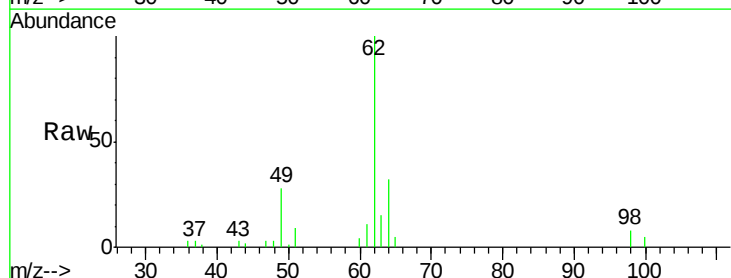
Manual Integrations
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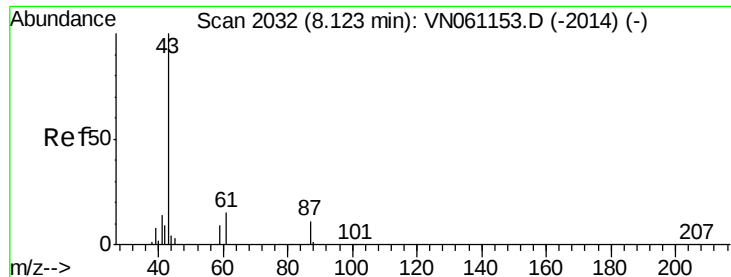
MMDadoda
5/7/2020 10:36:36 AM



#42
1,2-Dichloroethane
Concen: 15.424 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	16.8





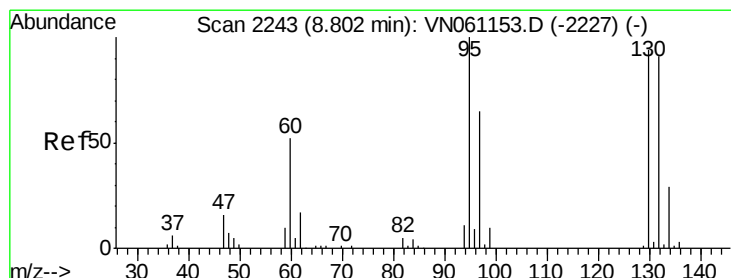
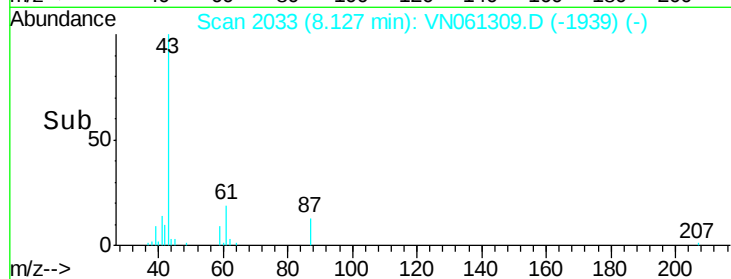
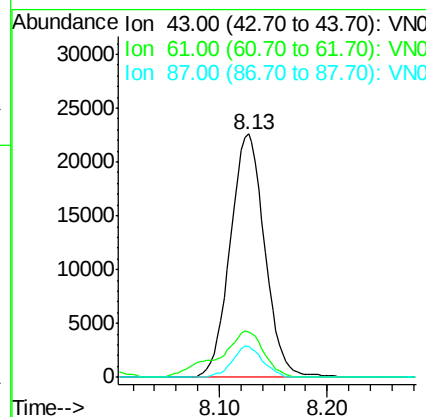
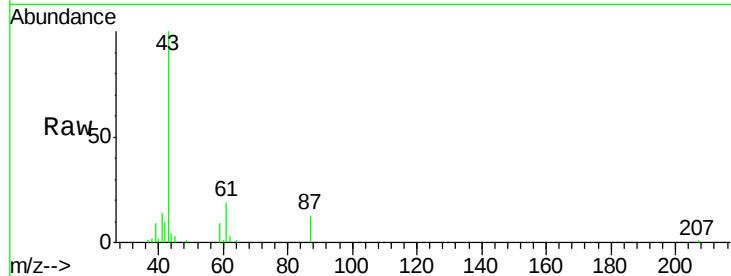
#43
Isopropyl Acetate
Concen: 13.844 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	19.5	29.3
87	11.3	8.9	13.3

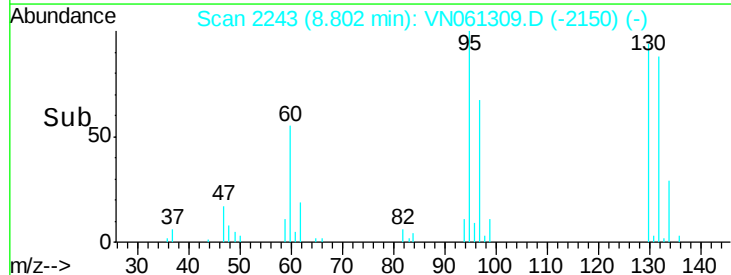
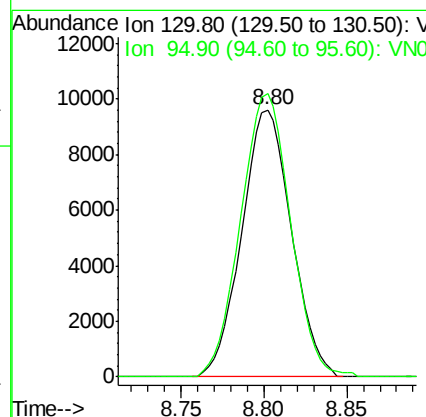
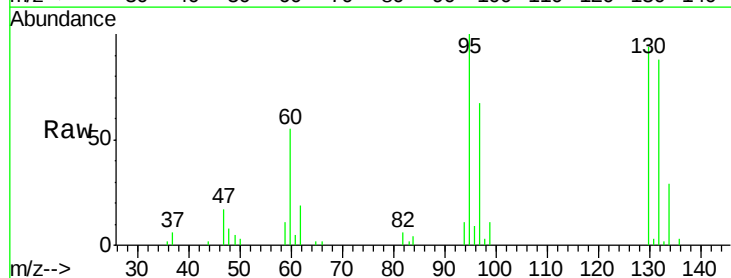
Manual Integrations
APPROVED

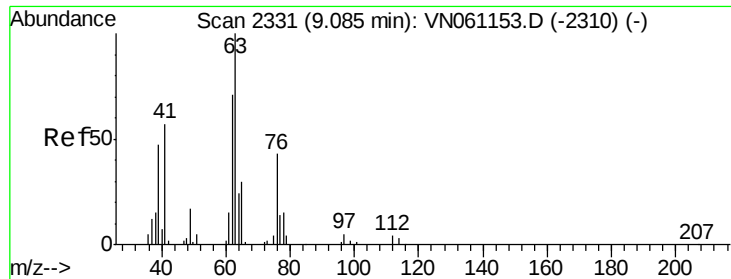
MMDadoda
5/7/2020 10:36:36 AM



#44
Trichloroethene
Concen: 13.316 ug/l
RT: 8.80 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	212.4





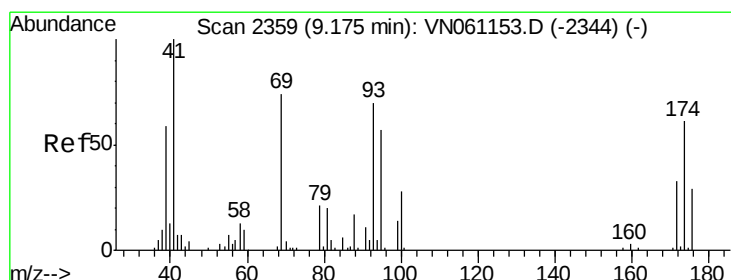
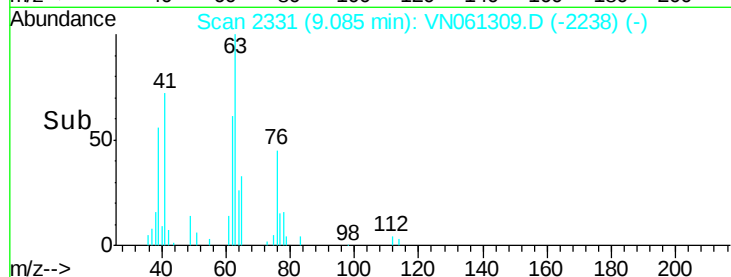
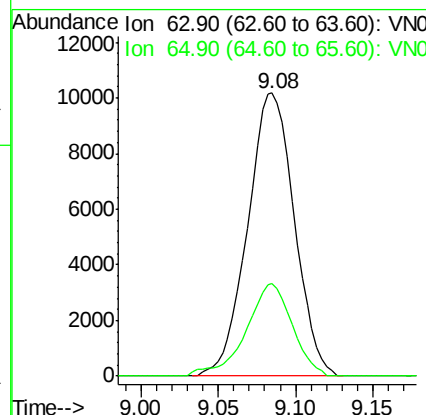
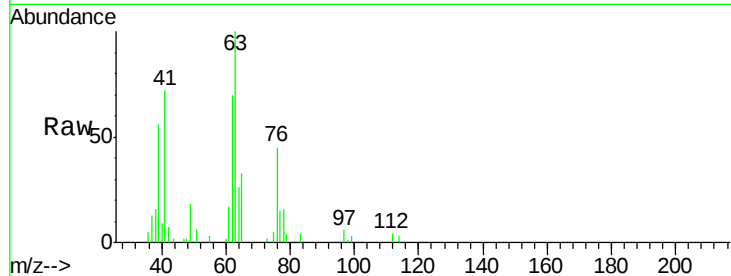
#45
 1,2-Dichloropropane
 Concen: 14.373 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion: 63 Resp: 21371
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.7 37.1

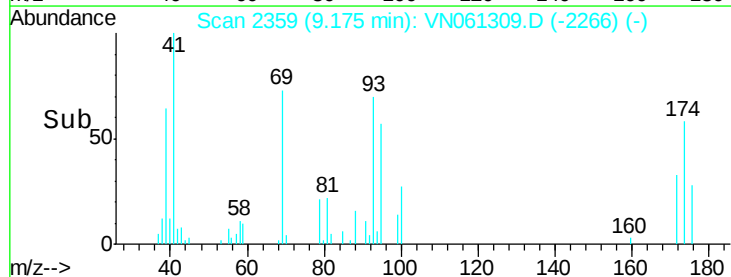
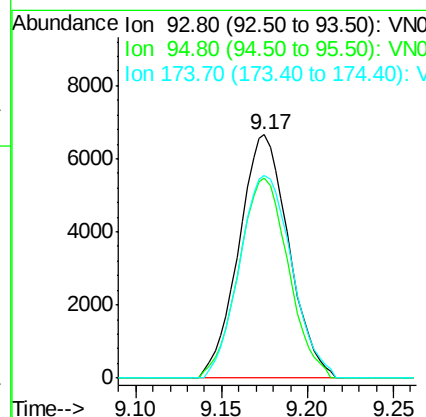
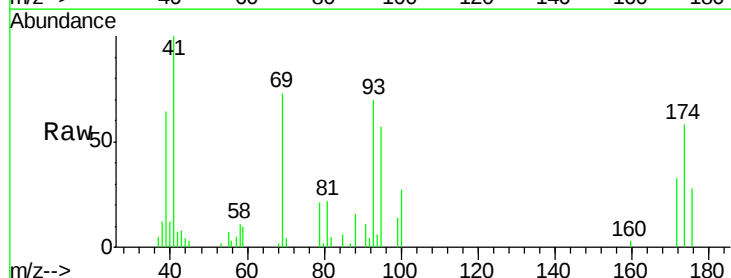
Manual Integrations
 APPROVED

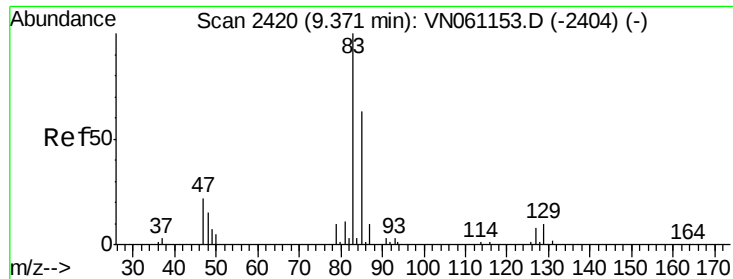
MMDadoda
 5/7/2020 10:36:36 AM



#46
 Dibromomethane
 Concen: 14.560 ug/l
 RT: 9.17 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Tgt Ion: 93 Resp: 13405
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.6 99.8
 174 87.0 70.2 105.2





#47

Bromodichloromethane

Concen: 14.569 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

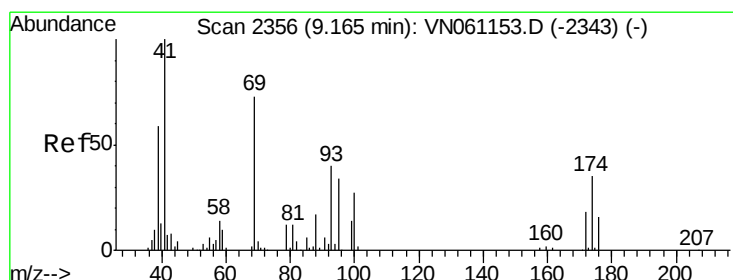
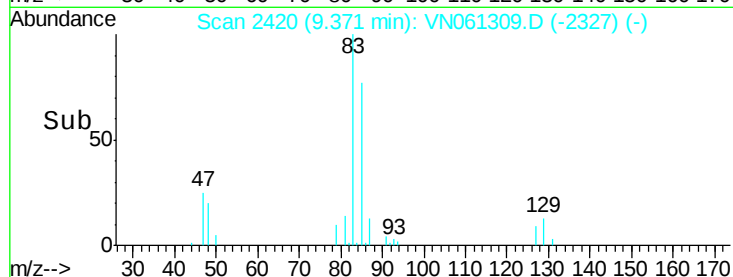
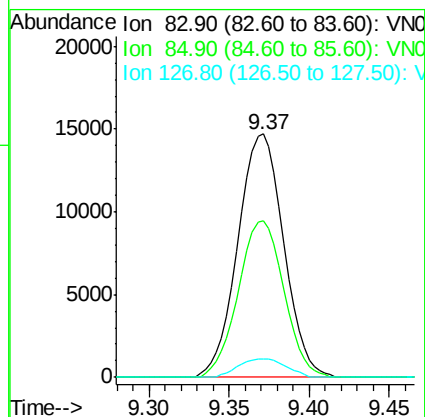
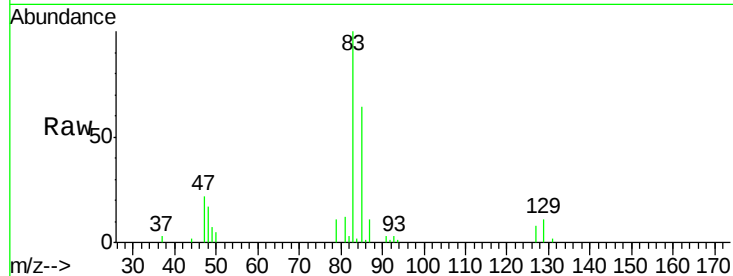
ClientSampleId :

VN0506WBSD01

Tot Ion:	83	Resp:	28790
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.4	75.6
127	7.7	6.2	9.2

Manual Integrations
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MMDadoda
5/7/2020 10:36:36 AM



#48

Methyl methacrylate

Concen: 14.258 ug/l

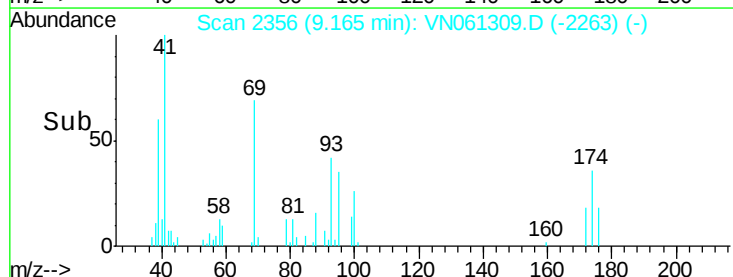
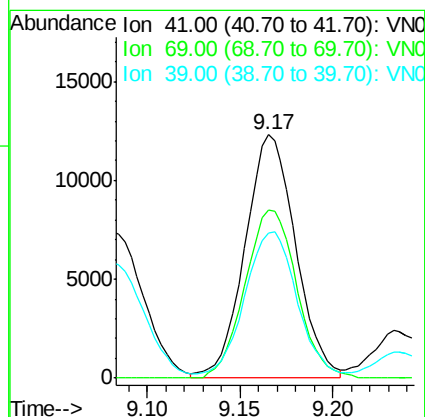
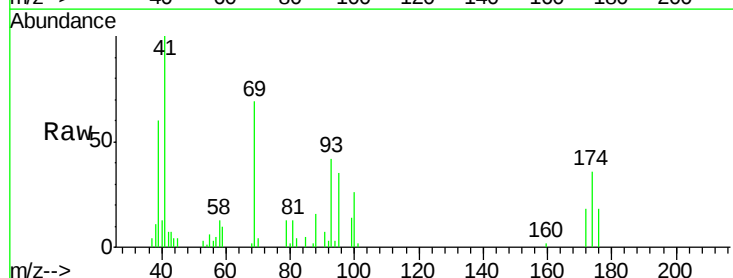
RT: 9.17 min Scan# 2356

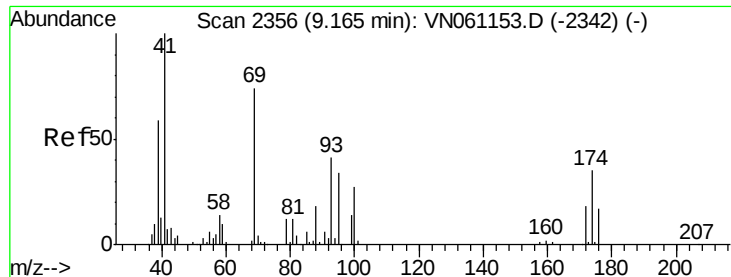
Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Tgt Ion:	41	Resp:	23385
Ion	Ratio	Lower	Upper
41	100		
69	70.5	60.3	90.5
39	62.8	47.4	71.0





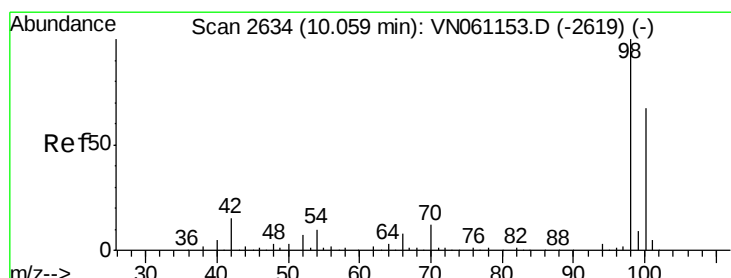
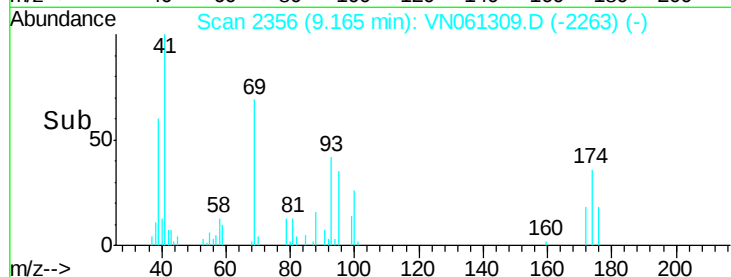
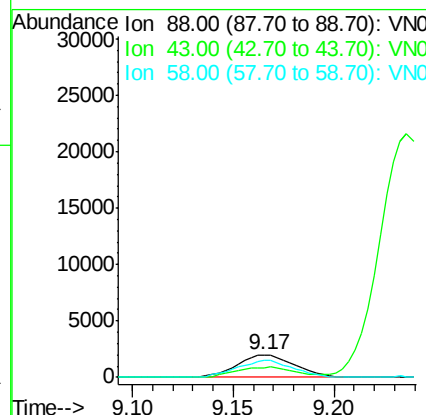
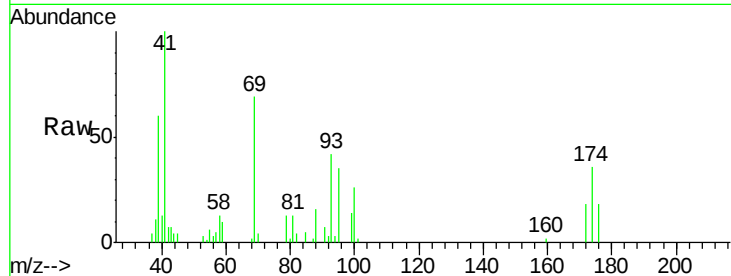
#49
1,4-Dioxane
Concen: 212.106 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.6	35.3	52.9
58	73.1	61.5	92.3

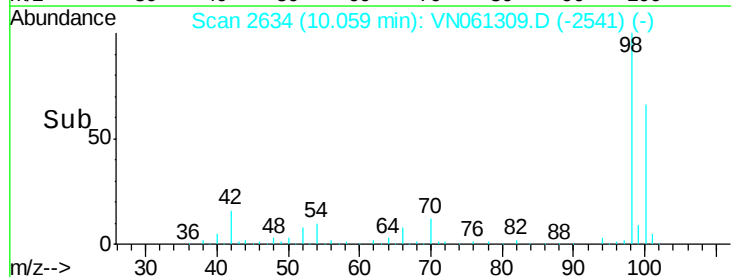
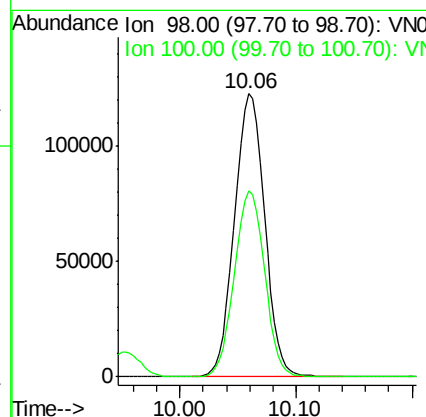
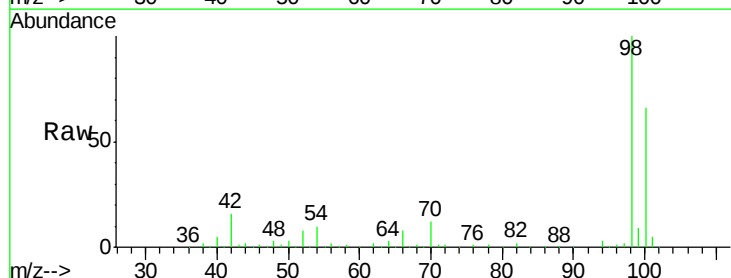
Manual Integrations
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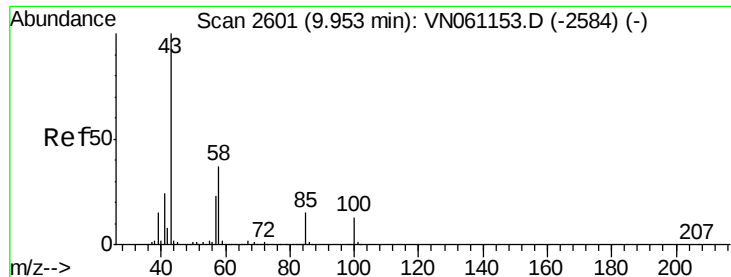
MMDadoda
5/7/2020 10:36:36 AM



#50
Toluene-d8
Concen: 49.161 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 70.724 ug/l

RT: 9.95 min Scan# 2601

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 43 Resp: 151311

Ion Ratio Lower Upper

43 100

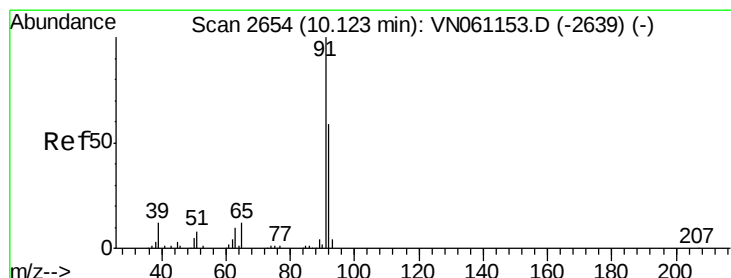
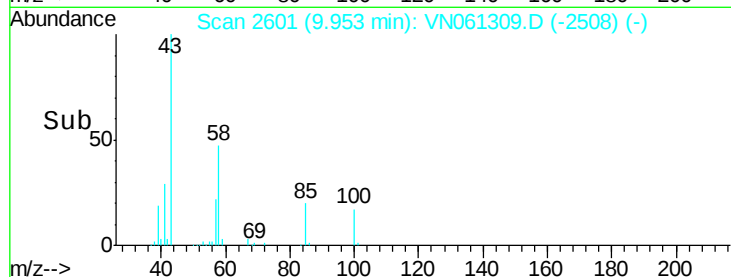
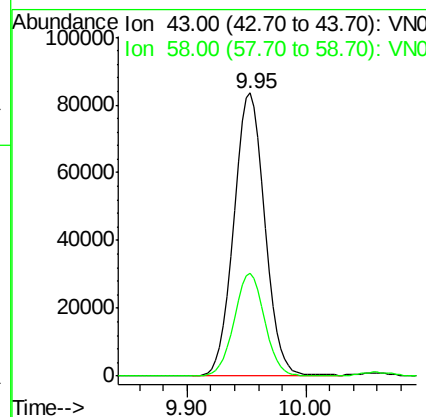
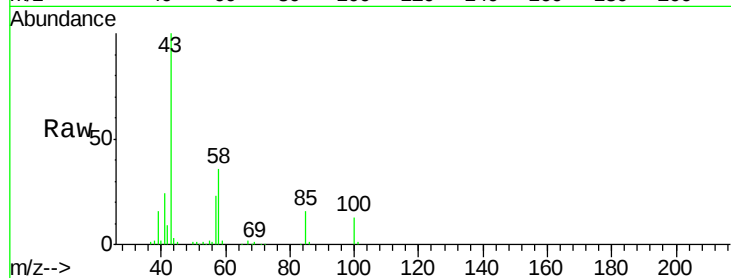
58 35.6 29.1 43.7

Manual Integrations

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5/7/2020 10:36:36 AM



#52

Toluene

Concen: 14.049 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VN061309.D

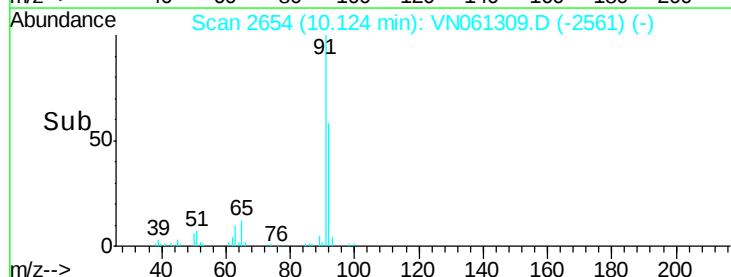
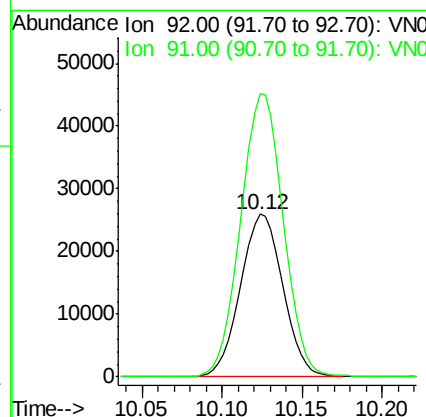
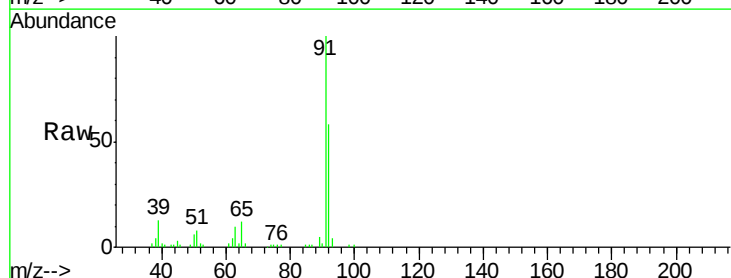
Acq: 6 May 2020 15:03

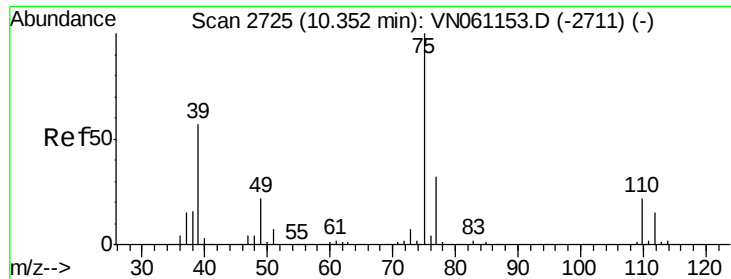
Tgt Ion: 92 Resp: 47097

Ion Ratio Lower Upper

92 100

91 174.6 136.2 204.2





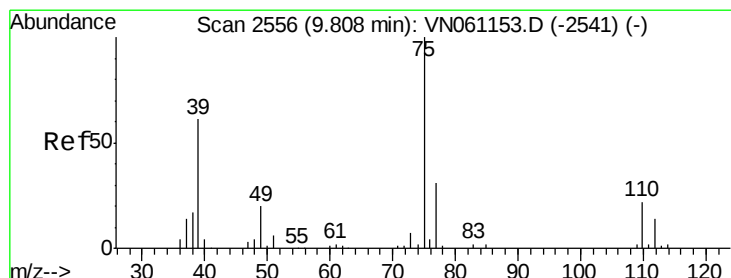
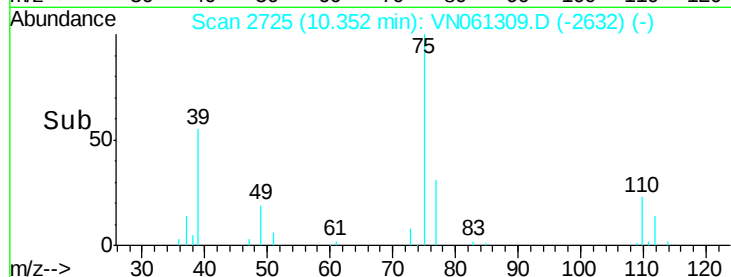
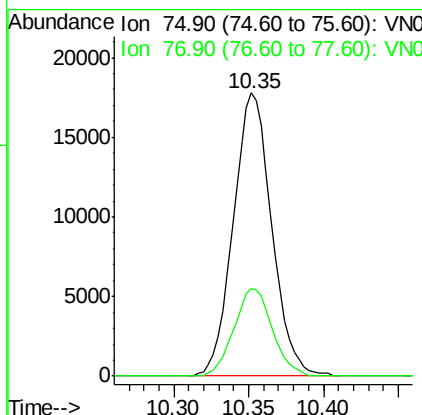
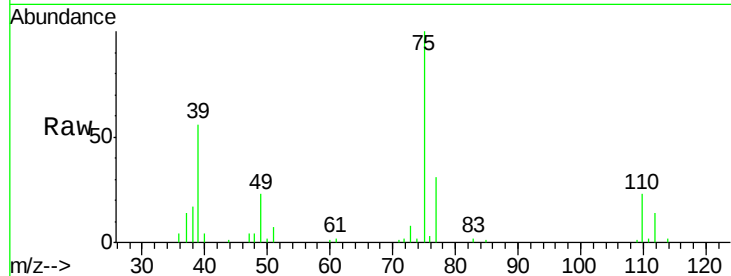
#53
t-1,3-Dichloropropene
Concen: 14.276 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	75	Resp	31788
Ion Ratio	Lower	Upper	
75	100		
77	31.1	25.5	38.3

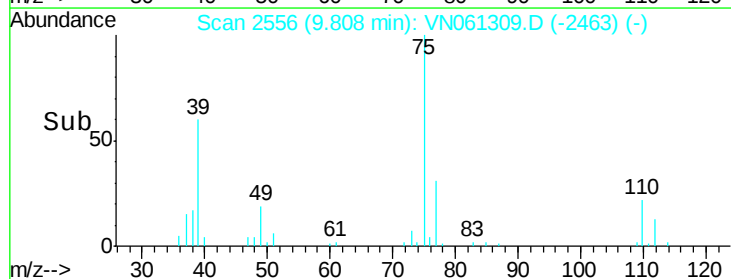
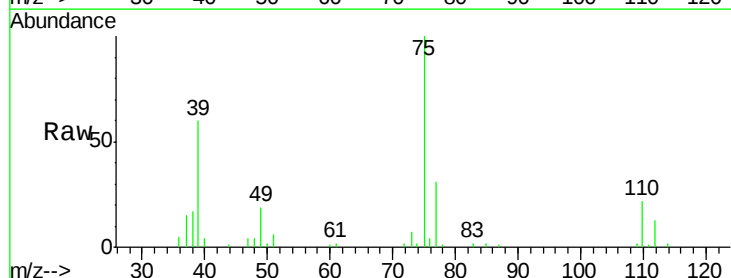
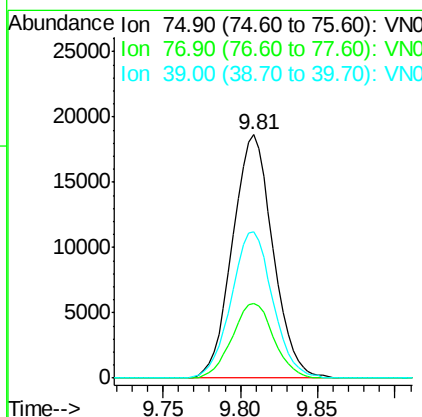
Manual Integrations
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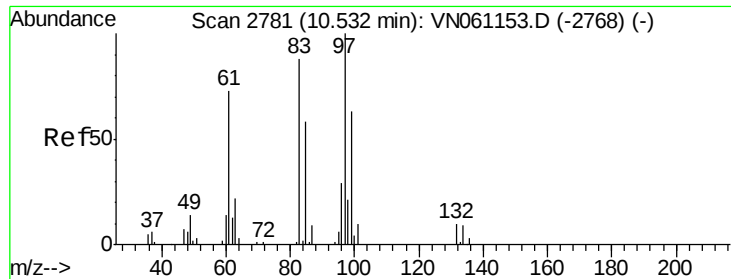
MMDadoda
5/7/2020 10:36:36 AM



#54
cis-1,3-Dichloropropene
Concen: 14.360 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion	75	Resp	33804
Ion Ratio	Lower	Upper	
75	100		
77	30.5	25.0	37.4
39	60.0	48.7	73.1





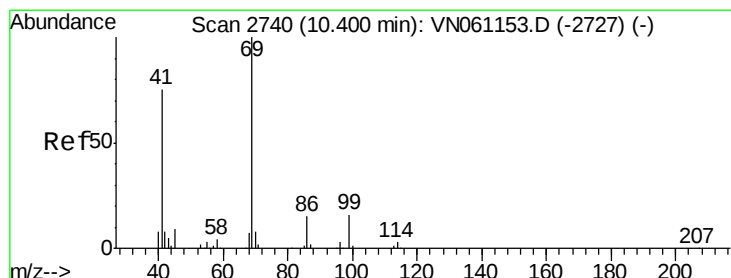
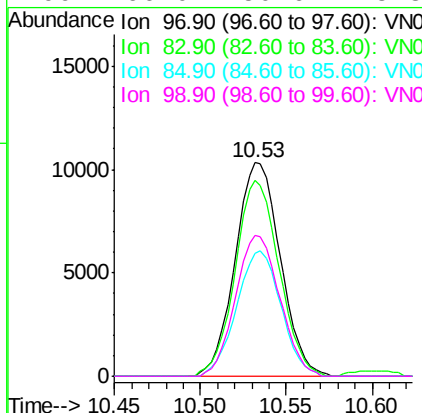
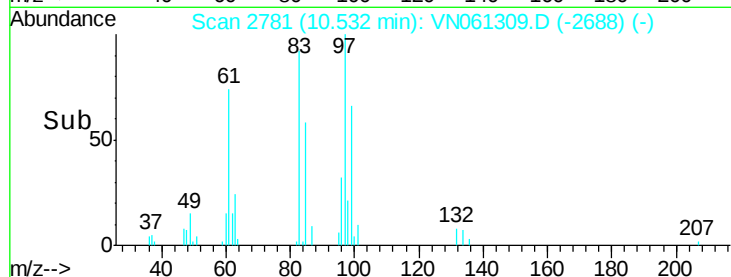
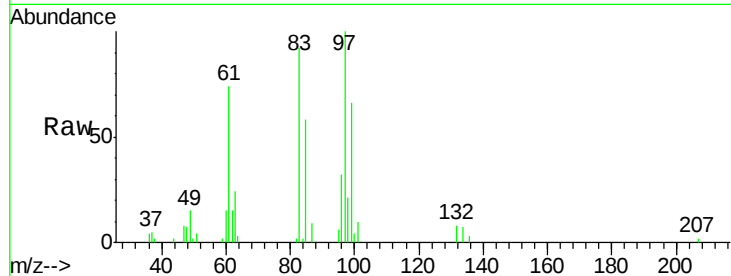
#55
 1,1,2-Trichloroethane
 Concen: 14.111 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion:	97	Resp:	18869
Ion	Ratio	Lower	Upper
97	100		
83	91.7	70.6	106.0
85	57.7	46.4	69.6
99	66.0	50.6	75.8

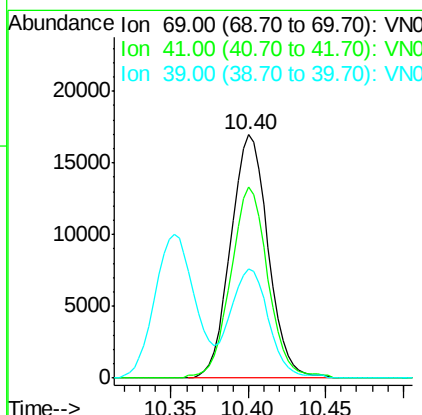
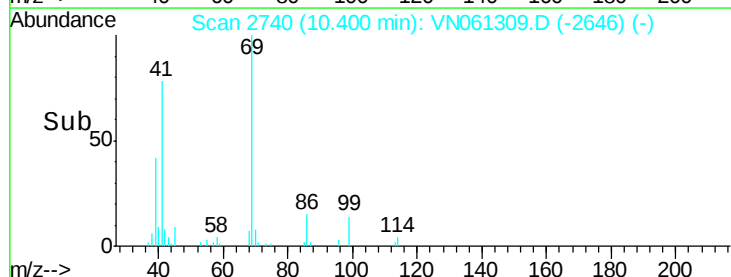
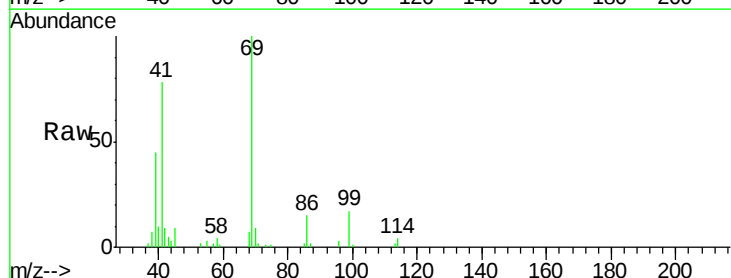
Manual Integrations
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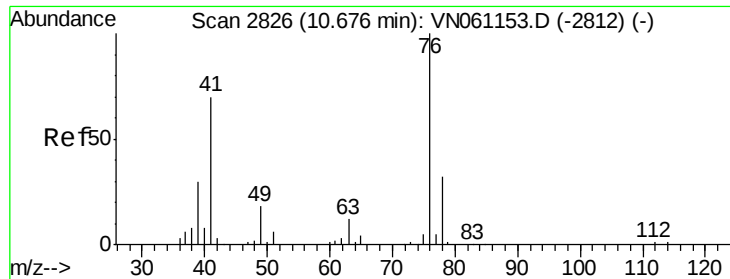
MMDadoda
 5/7/2020 10:36:36 AM



#56
 Ethyl methacrylate
 Concen: 14.308 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Tgt Ion:	69	Resp:	28541
Ion	Ratio	Lower	Upper
69	100		
41	78.0	60.3	90.5
39	46.4	35.9	53.9





#57

1,3-Dichloropropane

Concen: 14.741 ug/l

RT: 10.68 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 76 Resp: 34648

Ion Ratio Lower Upper

76 100

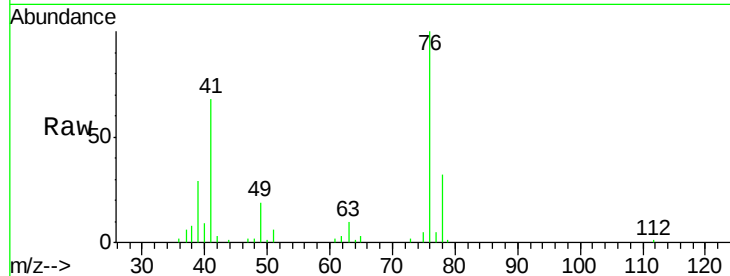
78 31.3 25.5 38.3

Manual Integrations

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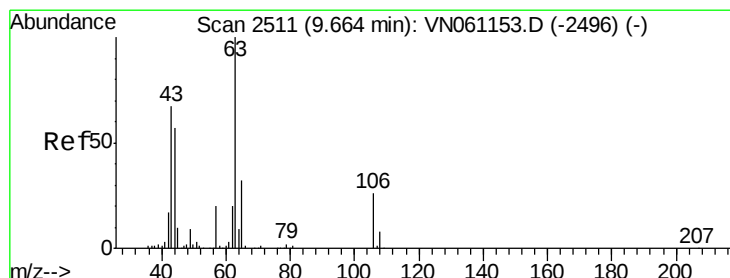
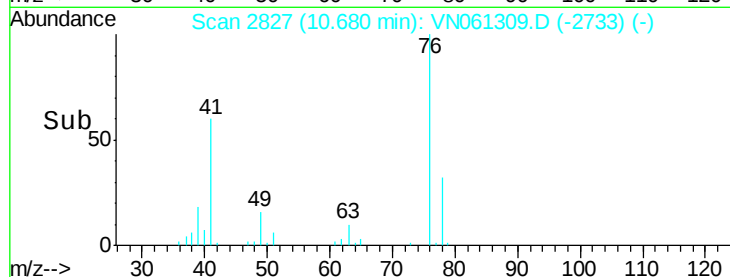
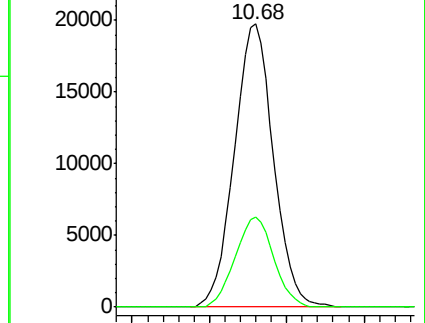
MMDadoda

5/7/2020 10:36:36 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 61.891 ug/l

RT: 9.66 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VN061309.D

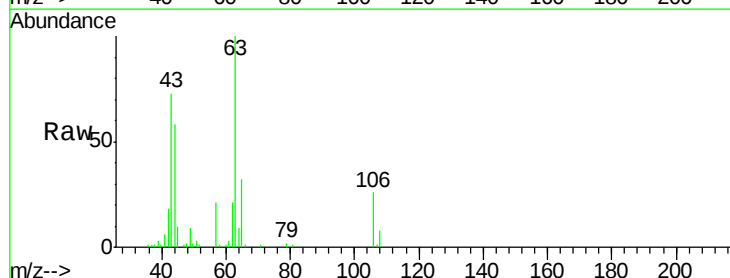
Acq: 6 May 2020 15:03

Tgt Ion: 63 Resp: 66989

Ion Ratio Lower Upper

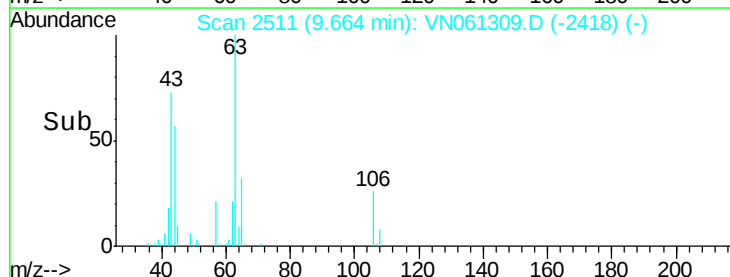
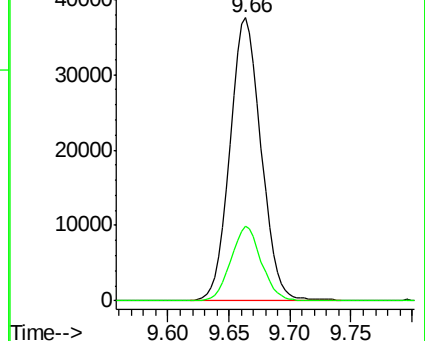
63 100

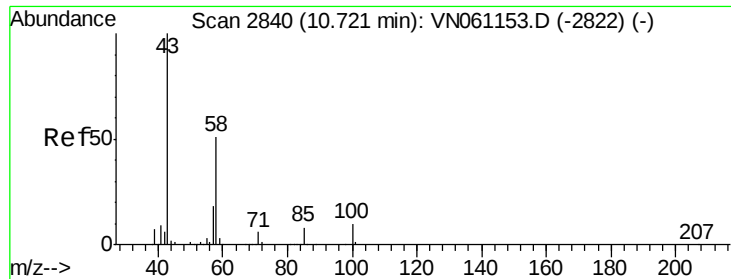
106 25.5 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





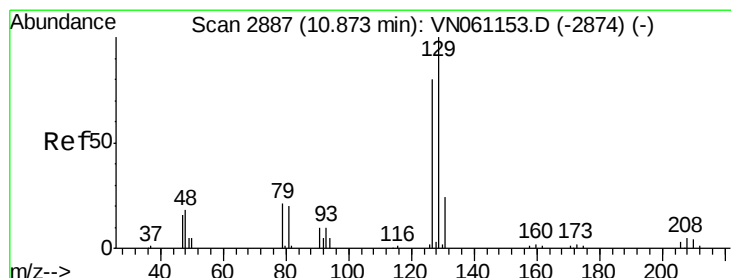
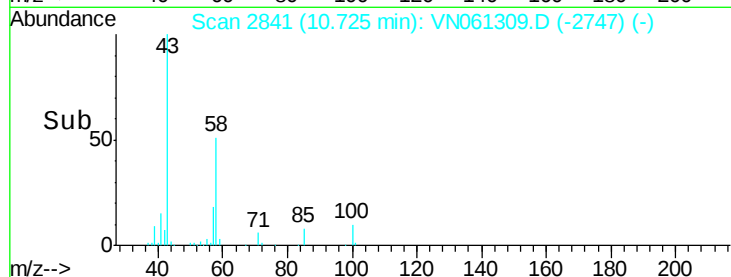
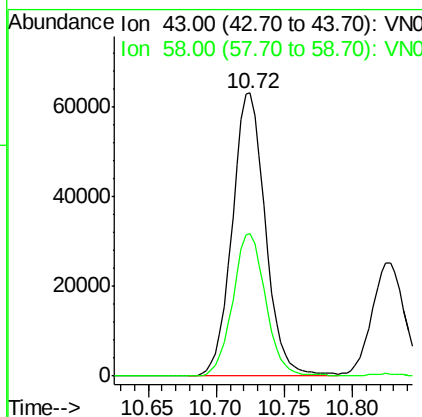
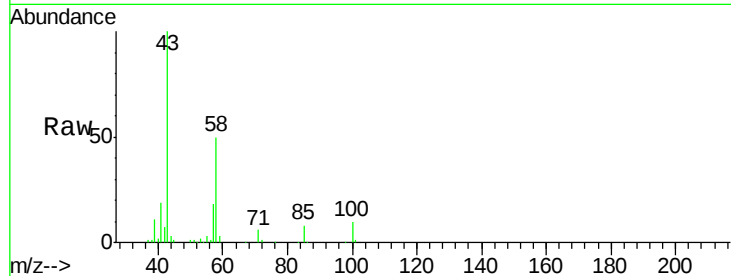
#59
2-Hexanone
Concen: 68.597 ug/l
RT: 10.72 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion: 43 Resp: 106771
Ion Ratio Lower Upper
43 100
58 50.0 25.4 76.4

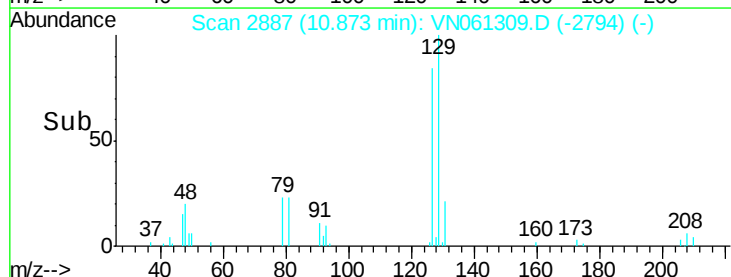
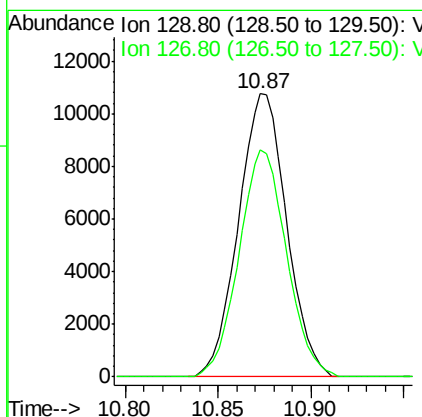
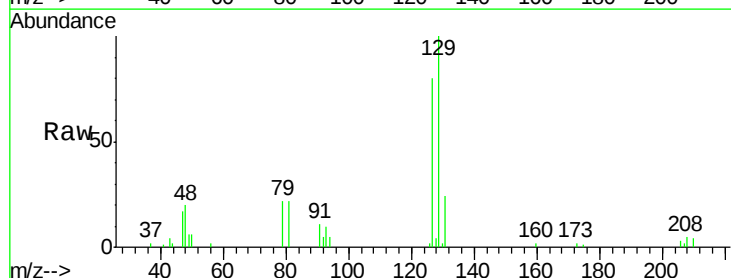
Manual Integrations
APPROVED

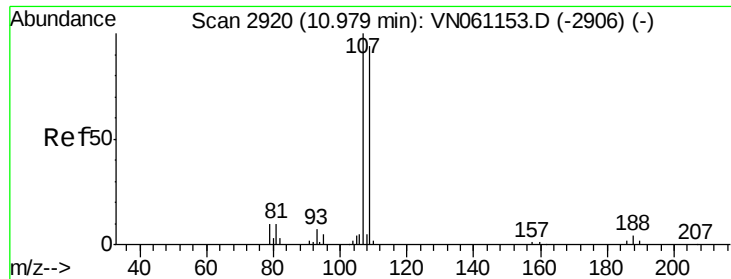
MMDadoda
5/7/2020 10:36:36 AM



#60
Dibromochloromethane
Concen: 13.881 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion: 129 Resp: 19440
Ion Ratio Lower Upper
129 100
127 79.2 39.3 117.8





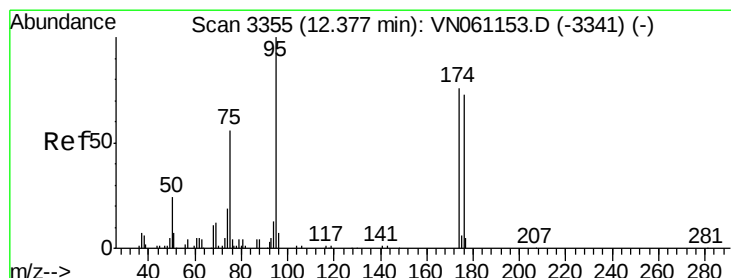
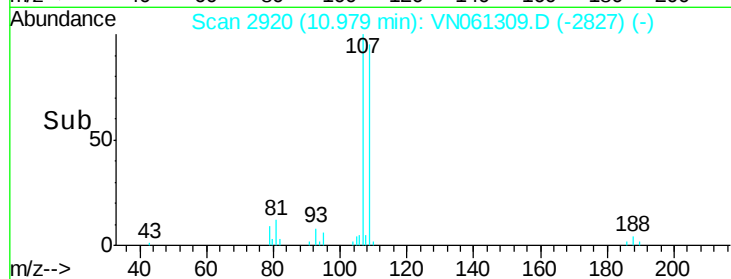
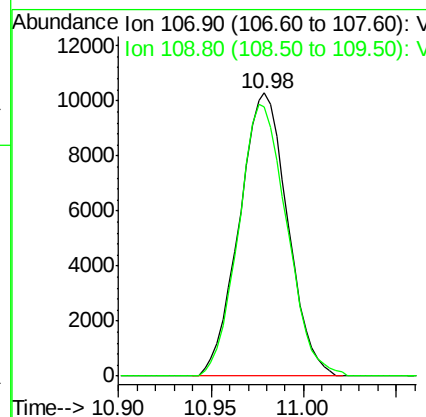
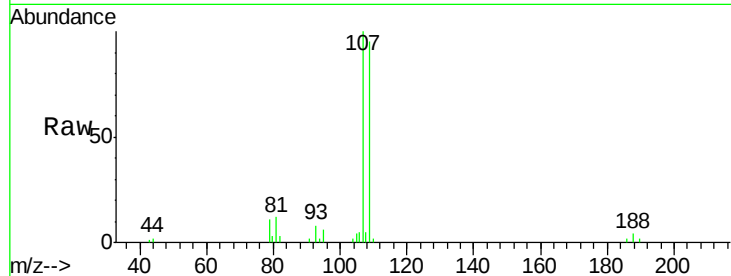
#61
 1,2-Dibromoethane
 Concen: 13.888 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.8	112.2

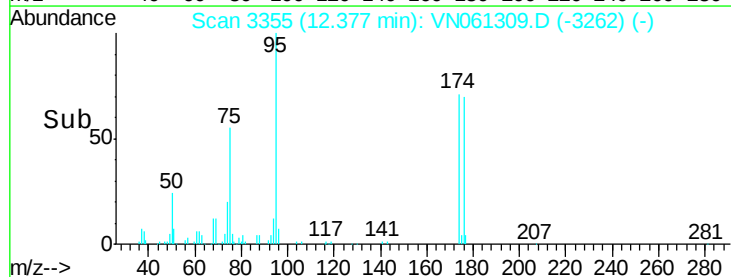
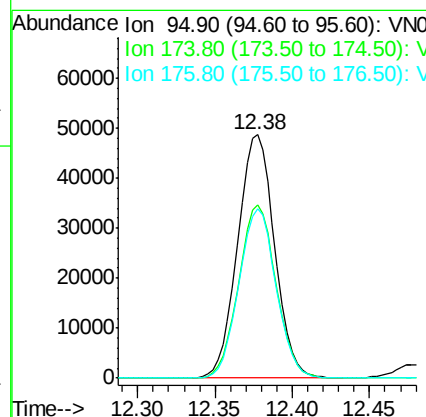
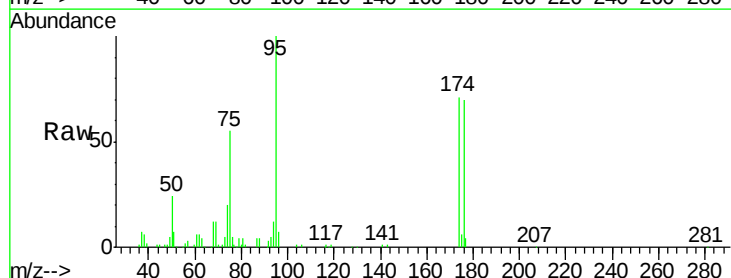
Manual Integrations
 APPROVED

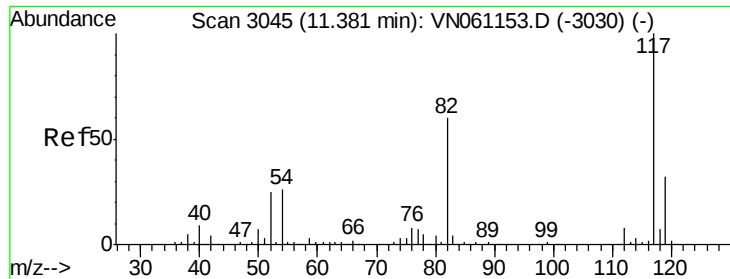
MMDadoda
 5/7/2020 10:36:36 AM



#62
 4-Bromofluorobenzene
 Concen: 47.747 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	149.4
176	69.9	0.0	144.8





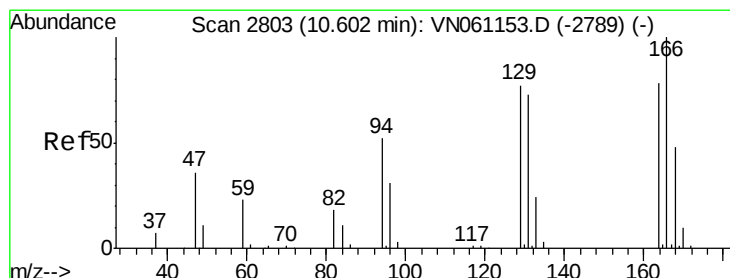
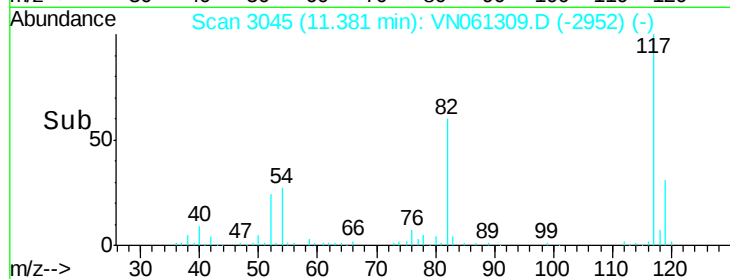
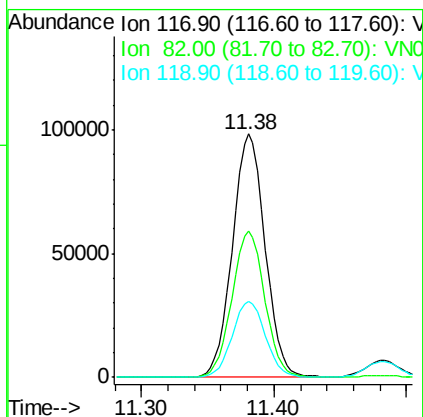
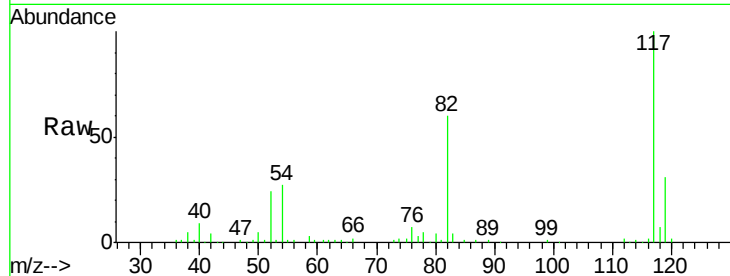
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	47.8	71.8
119	31.3	25.8	38.6

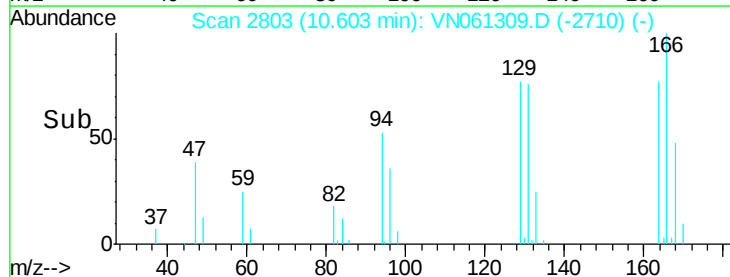
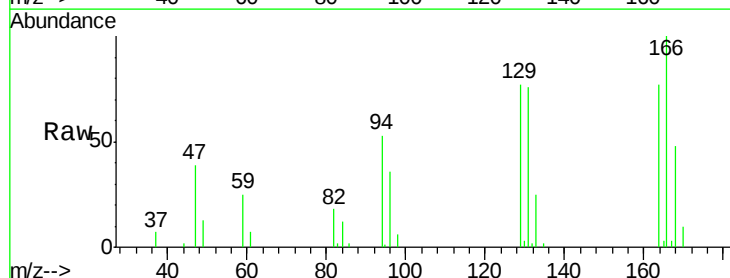
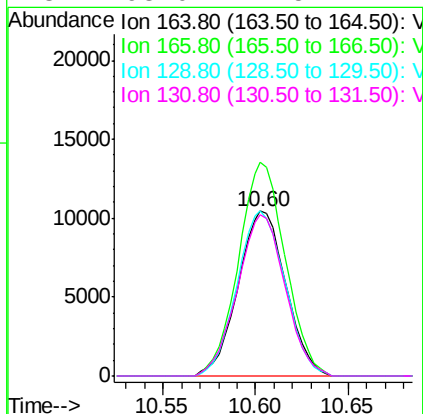
Manual Integrations
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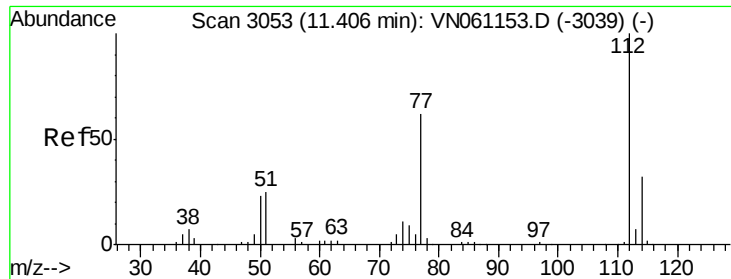
MMDadoda
5/7/2020 10:36:36 AM



#64
Tetrachloroethene
Concen: 12.792 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	102.0	153.0
129	99.9	78.2	117.2
131	98.0	74.5	111.7





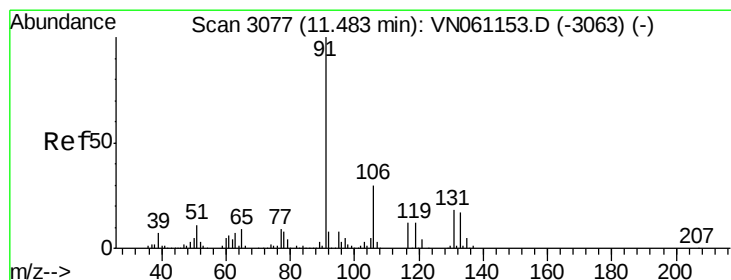
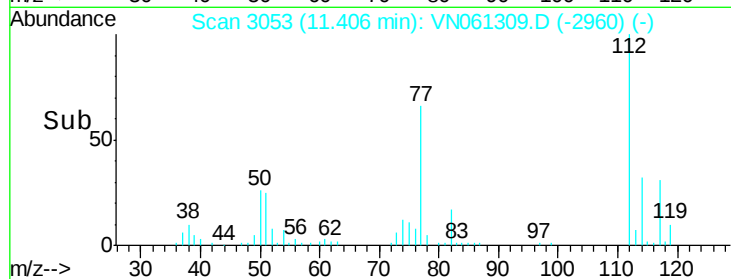
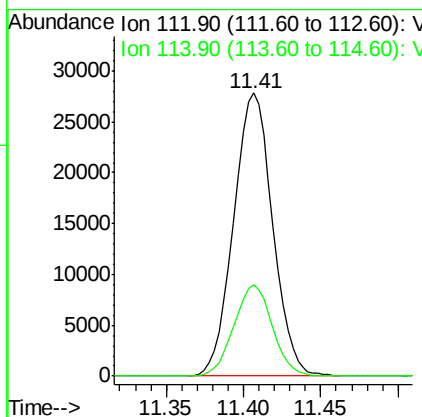
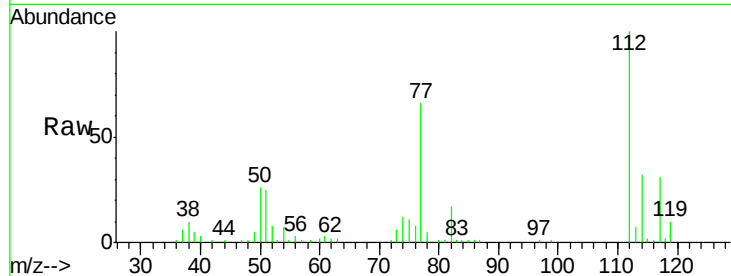
#65
Chlorobenzene
Concen: 14.586 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion:112 Resp: 48736
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

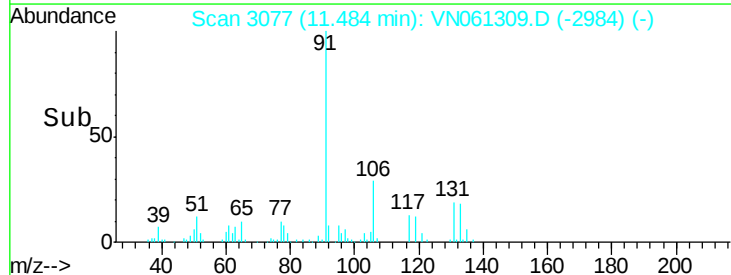
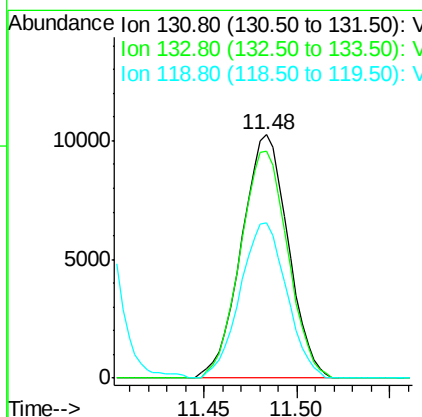
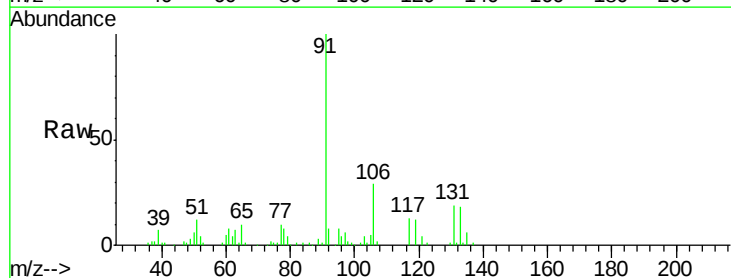
Manual Integrations
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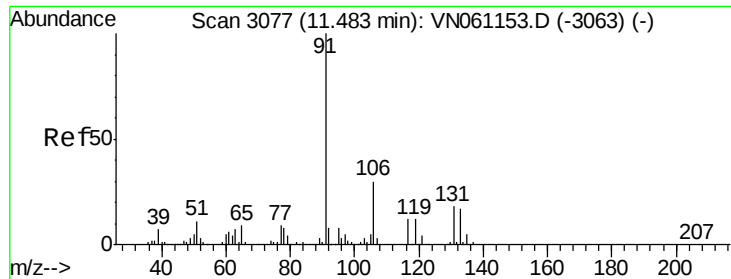
MMDadoda
5/7/2020 10:36:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 14.971 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion:131 Resp: 17903
Ion Ratio Lower Upper
131 100
133 94.5 48.0 144.2
119 63.6 32.6 97.8





#67

Ethyl Benzene

Concen: 14.374 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion: 91 Resp: 89905

Ion Ratio Lower Upper

91 100

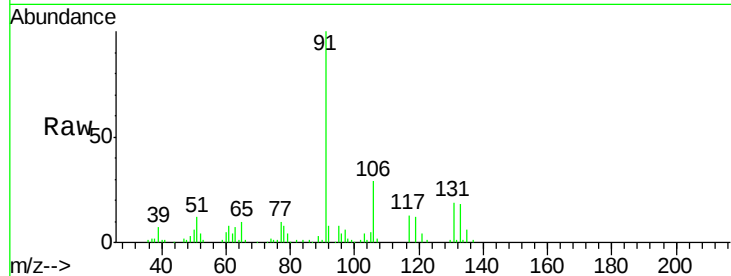
106 29.4 23.8 35.6

Manual Integrations

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MMDadoda

5/7/2020 10:36:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3063) (-)

Ion 106.00 (105.70 to 106.70): VN061153.D (-3063) (-)

80000

60000

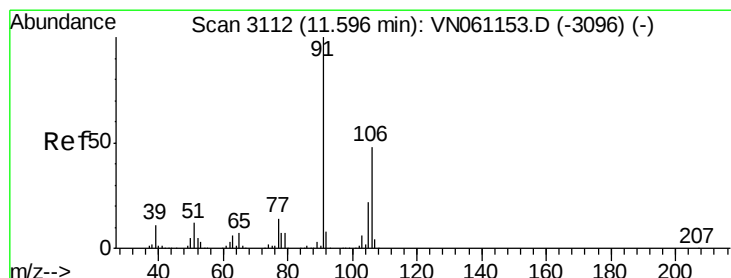
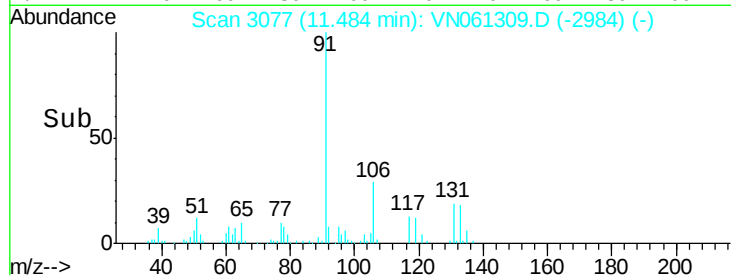
40000

20000

0

11.40 11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 28.486 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061309.D

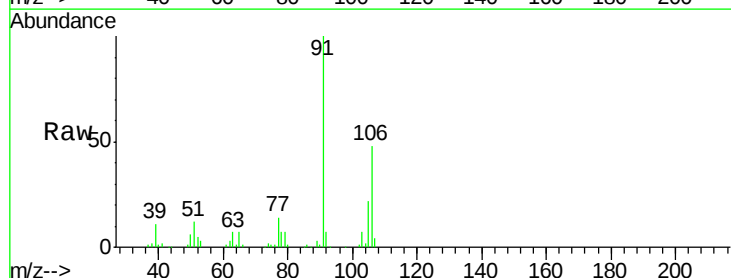
Acq: 6 May 2020 15:03

Tgt Ion: 106 Resp: 65216

Ion Ratio Lower Upper

106 100

91 212.4 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061153.D (-3096) (-)

Ion 91.00 (90.70 to 91.70): VN061153.D (-3096) (-)

80000

60000

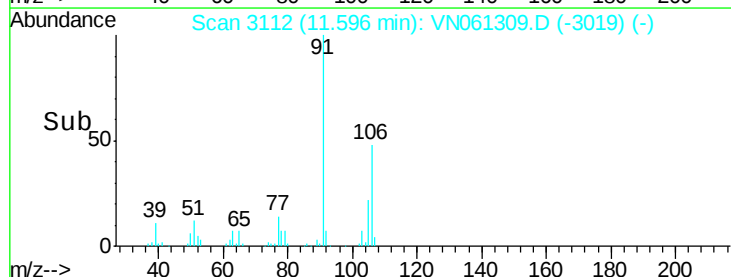
40000

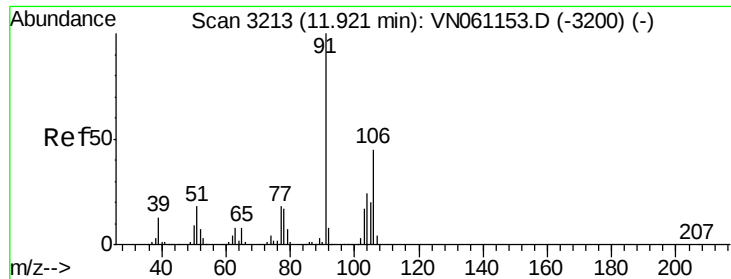
20000

0

11.50 11.55 11.60 11.65

Time-->





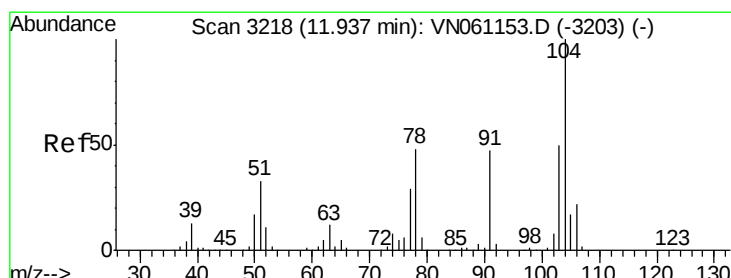
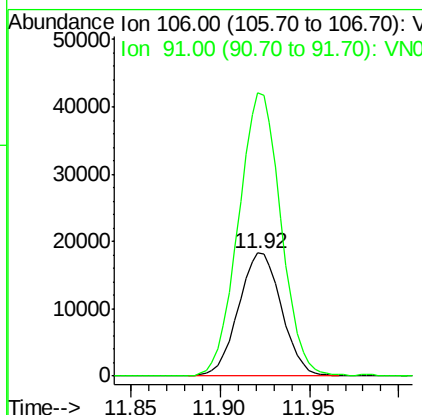
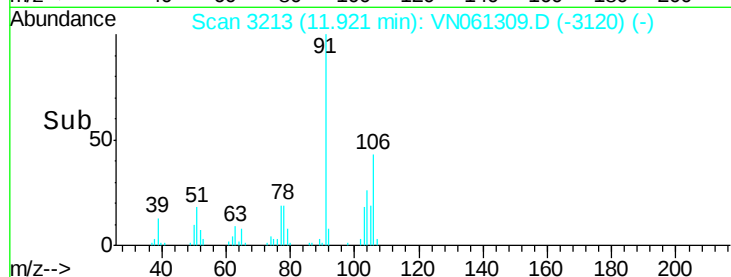
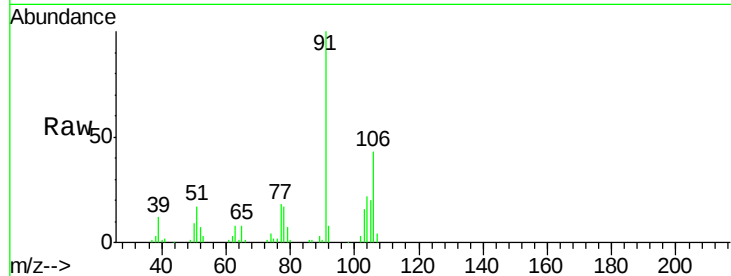
#69
o-Xylene
Concen: 13.955 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	227.5	109.7	329.0

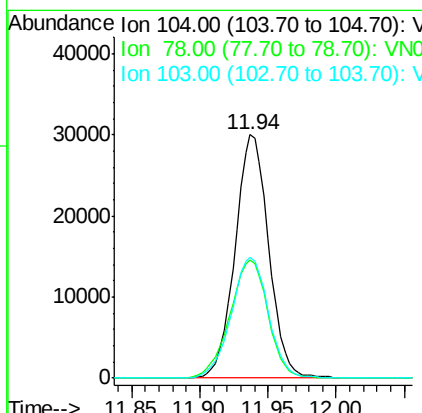
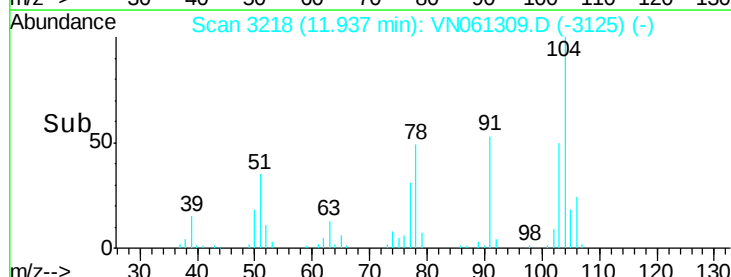
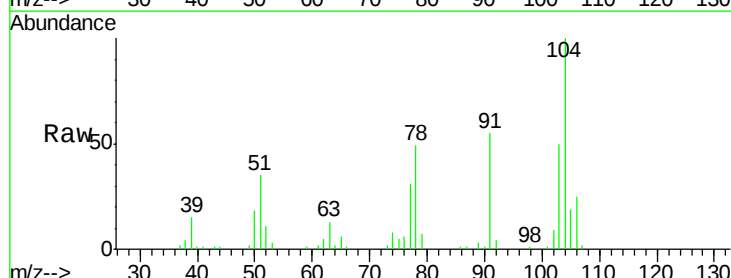
Manual Integrations
APPROVED

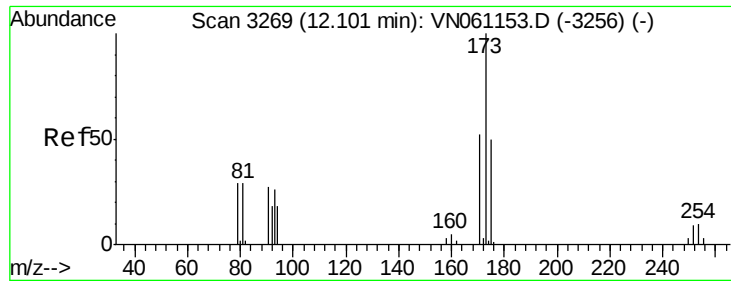
MMDadoda
5/7/2020 10:36:36 AM



#70
Styrene
Concen: 13.936 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	54.8	42.1	63.1
103	103	54.6	43.3	64.9





#71

Bromoform

Concen: 14.278 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion:173 Resp: 12549

Ion Ratio Lower Upper

173 100

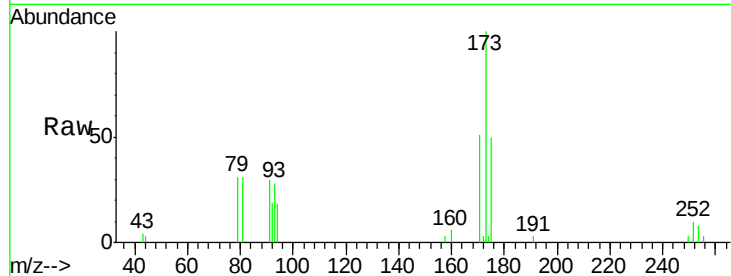
175 50.3 24.1 72.4

254 0.0 0.0 0.0

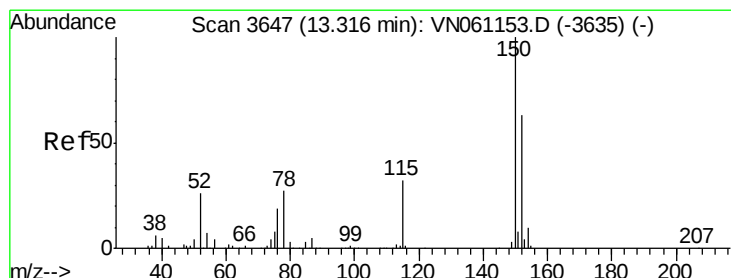
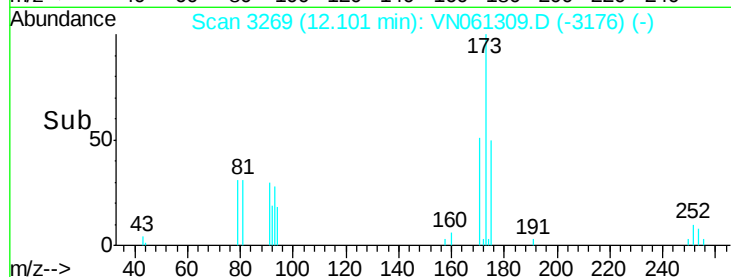
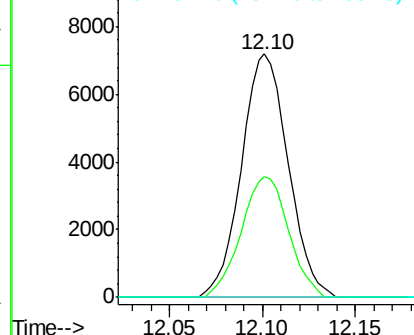
Manual Integrations
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5/7/2020 10:36:36 AM



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: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

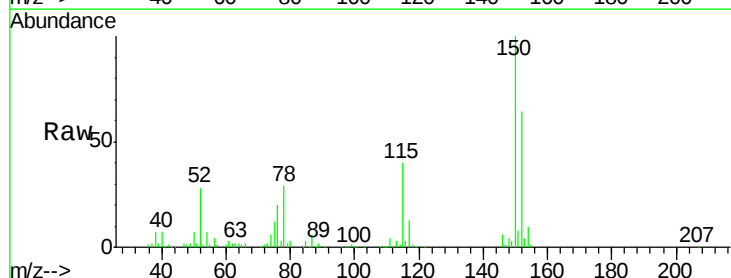
Tgt Ion:152 Resp: 77751

Ion Ratio Lower Upper

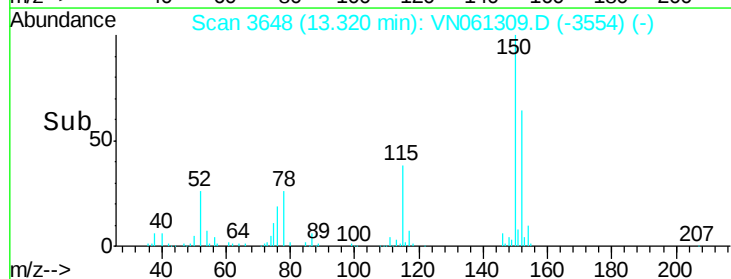
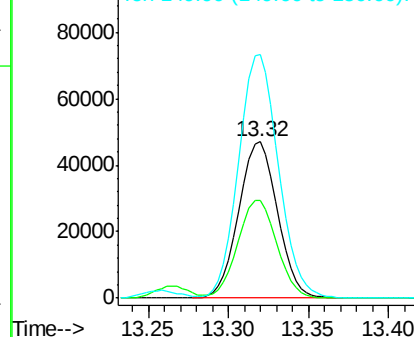
152 100

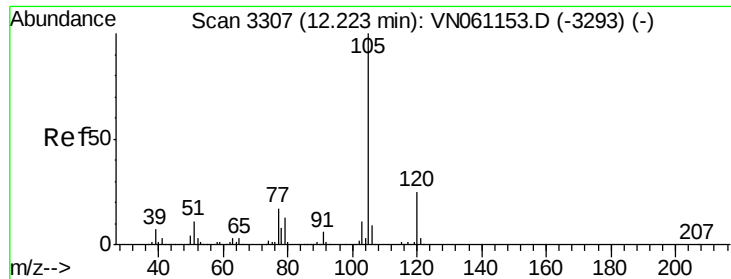
115 62.8 31.0 93.0

150 160.7 0.0 351.8



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: 14.670 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 105 Resp: 83852

Ion Ratio Lower Upper

105 100

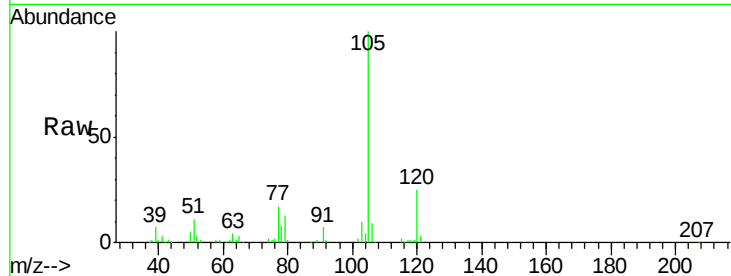
120 25.4 12.6 37.8

Manual Integrations

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MMDadoda

5/7/2020 10:36:36 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

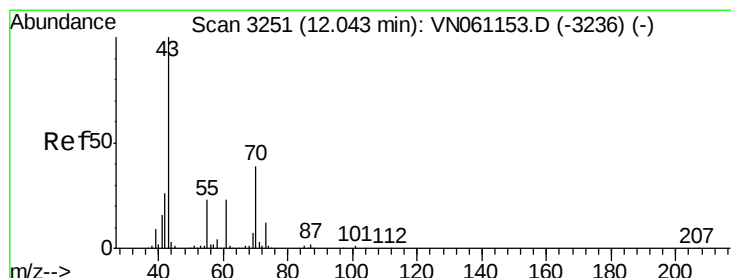
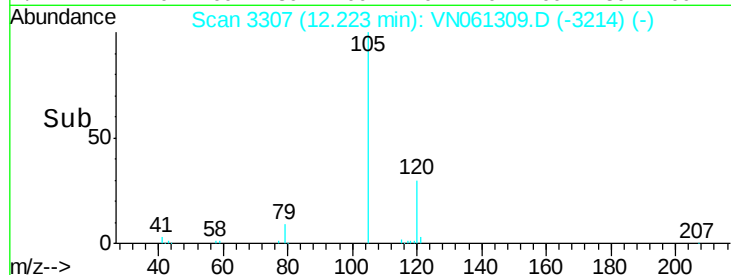
20000

10000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 14.202 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Tgt Ion: 43 Resp: 41107

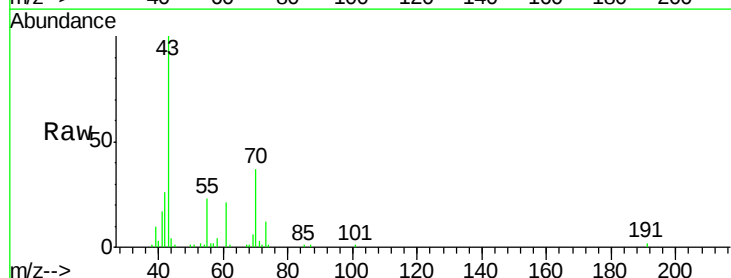
Ion Ratio Lower Upper

43 100

70 37.1 30.6 46.0

55 23.7 18.5 27.7

61 20.8 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

40000

30000

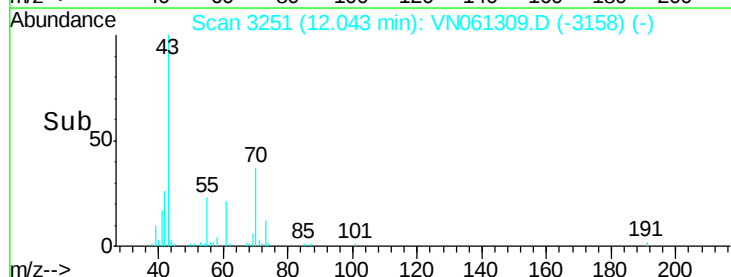
20000

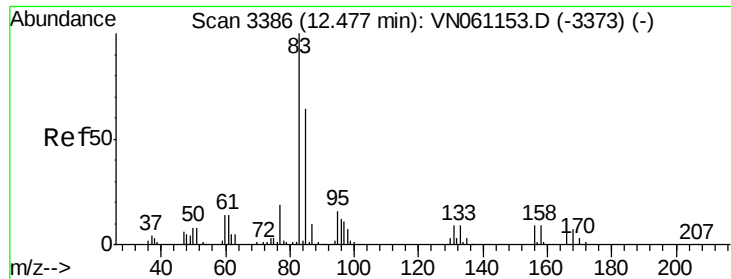
10000

0

11.95 12.00 12.05 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 15.345 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

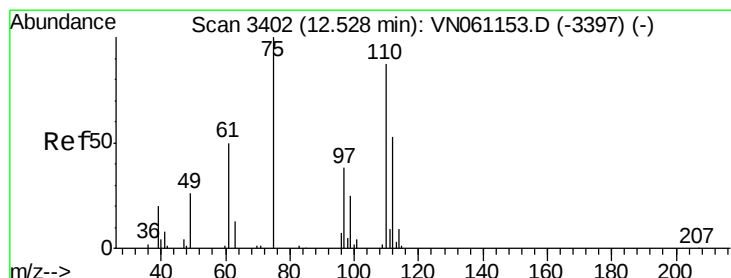
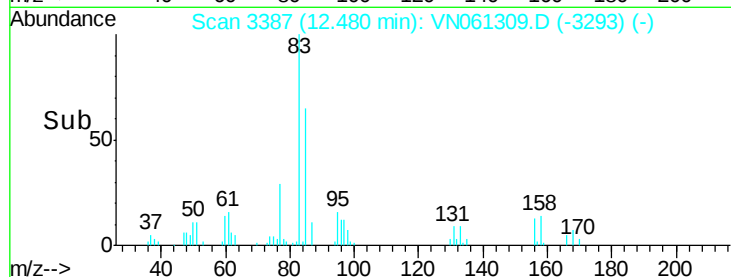
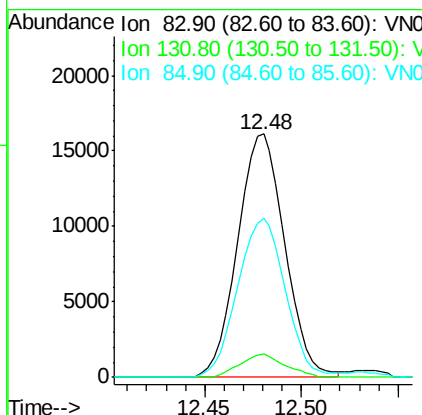
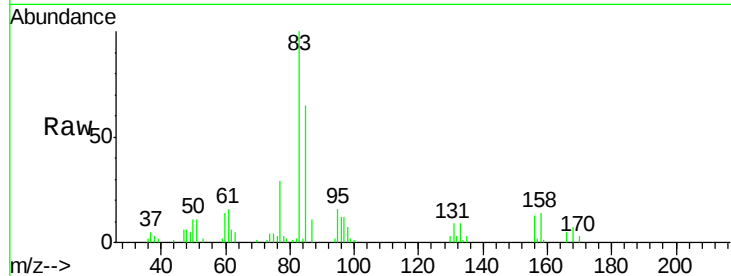
ClientSampleId :

VN0506WBSD01

Tot Ion:	83	Resp:	27349
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.8	14.3
85	65.9	32.0	96.0

Manual Integrations
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5/7/2020 10:36:36 AM



#76

1,2,3-Trichloropropane

Concen: 15.049 ug/l m

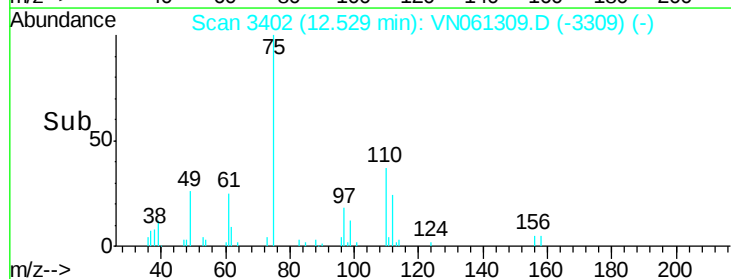
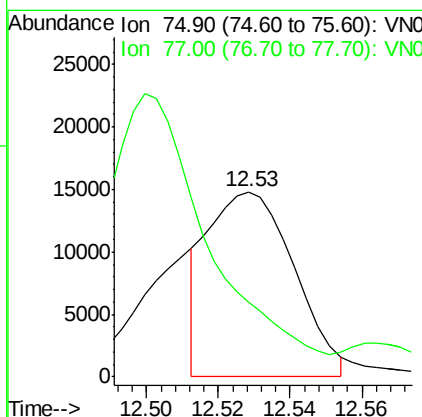
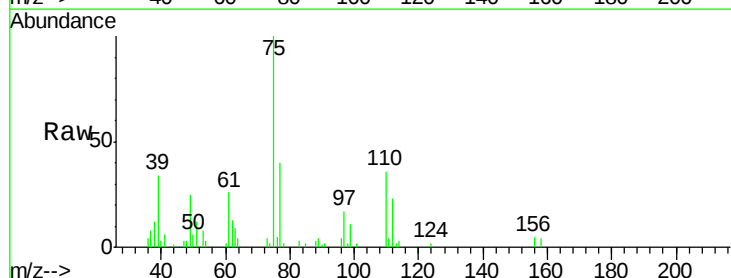
RT: 12.53 min Scan# 3402

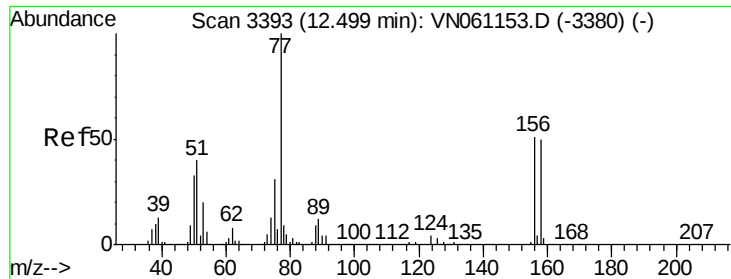
Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Tgt Ion:	75	Resp:	24668
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





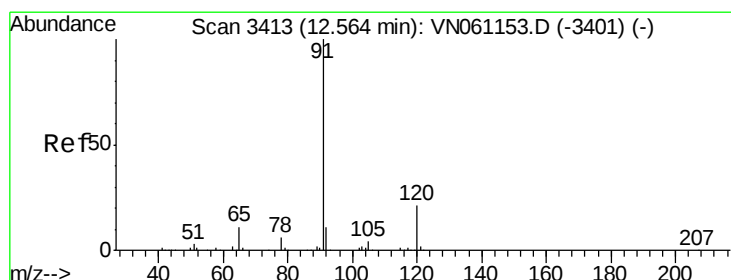
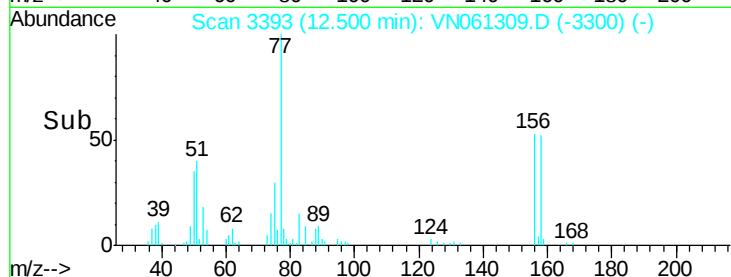
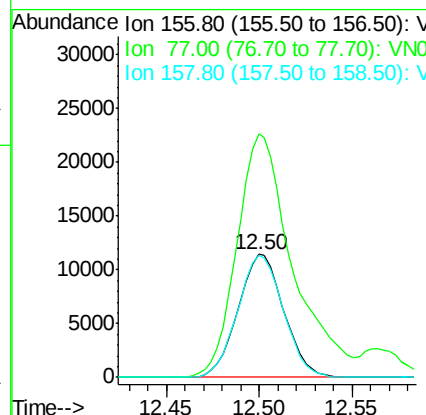
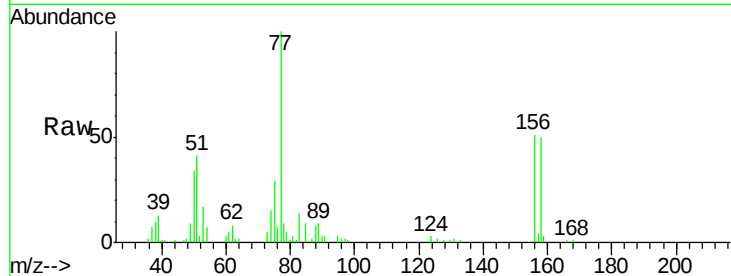
#77
Bromobenzene
Concen: 14.786 ug/l
RT: 12.50 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	242.0	117.4	352.2
158	99.0	48.4	145.0

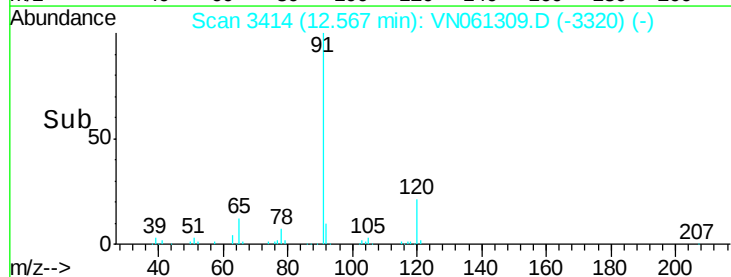
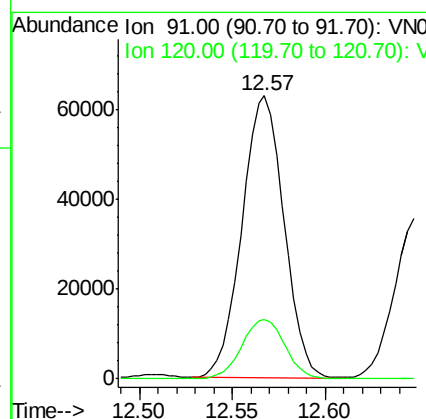
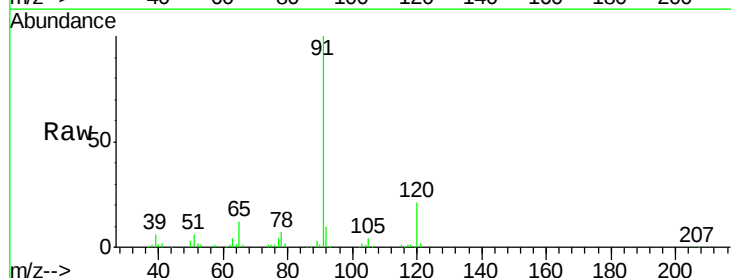
Manual Integrations
APPROVED

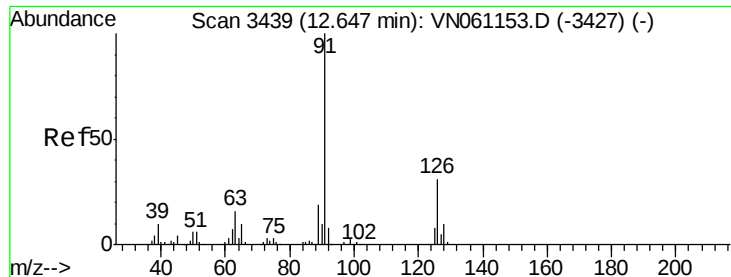
MMDadoda
5/7/2020 10:36:36 AM



#78
n-propylbenzene
Concen: 14.610 ug/l
RT: 12.57 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.3





#79

2-Chlorotoluene

Concen: 14.842 ug/l

RT: 12.65 min Scan# 3440

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion: 91 Resp: 59145

Ion Ratio Lower Upper

91 100

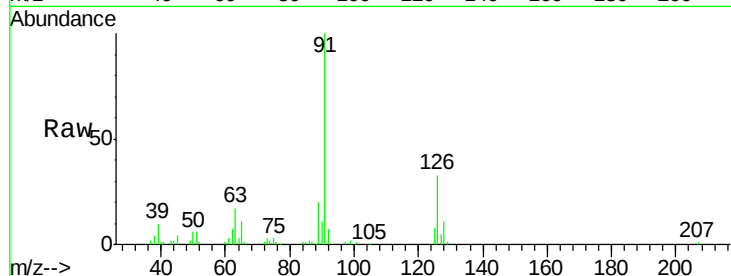
126 31.5 15.9 47.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)

Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)

60000

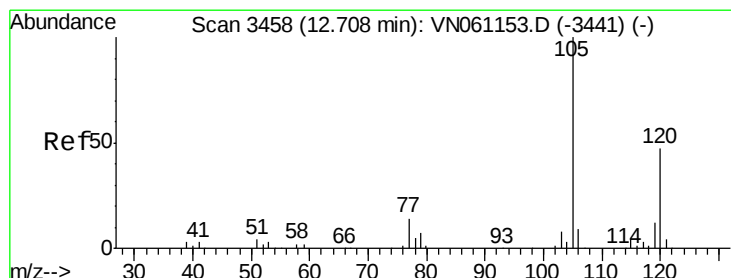
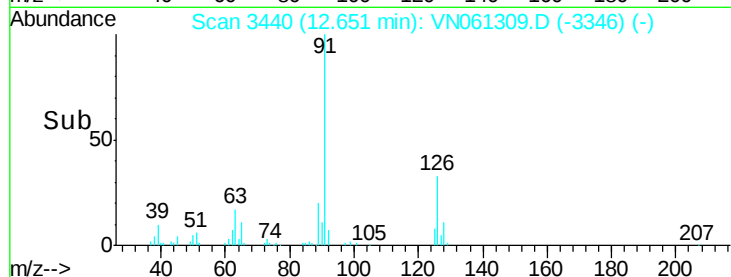
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 14.612 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061309.D

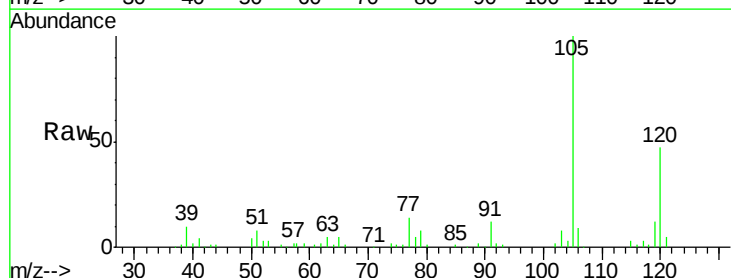
Acq: 6 May 2020 15:03

Tgt Ion: 105 Resp: 69127

Ion Ratio Lower Upper

105 100

120 47.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)

50000

40000

30000

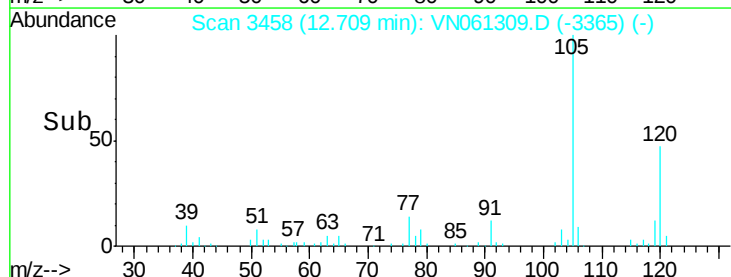
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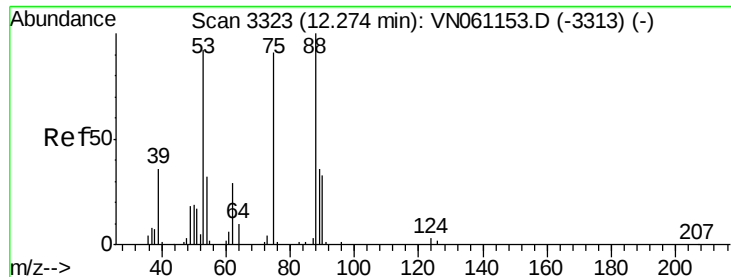
10000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 14.611 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

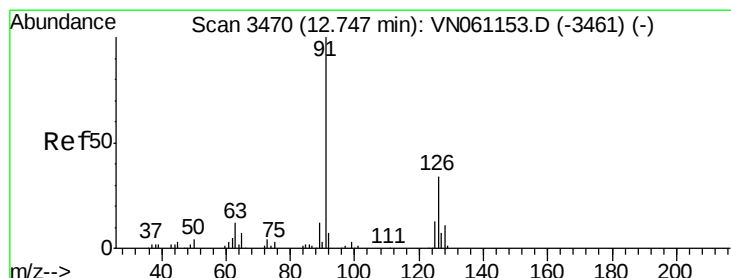
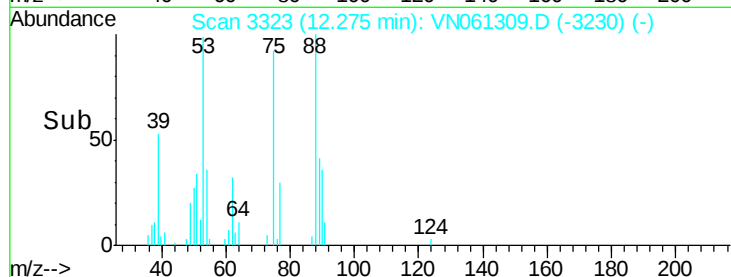
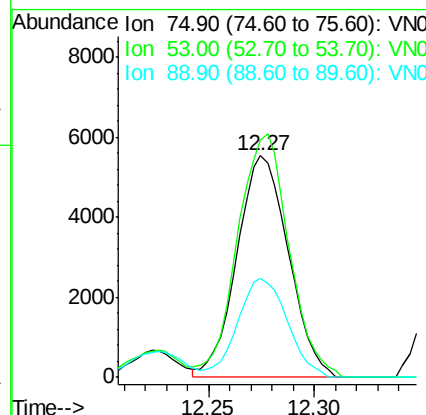
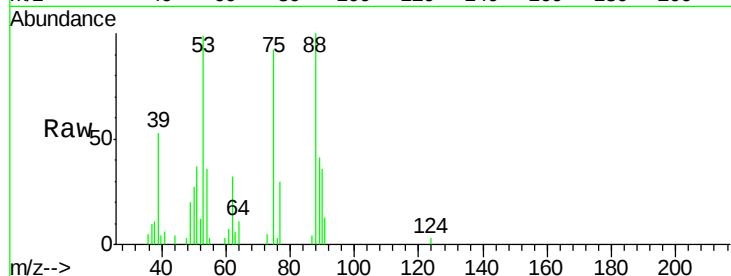
ClientSampleId :

VN0506WBSD01

Tot Ion:	75	Resp:	9431
Ion	Ratio	Lower	Upper
75	100		
53	109.7	84.1	126.1
89	43.3	35.2	52.8

Manual Integrations
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5/7/2020 10:36:36 AM



#82

4-Chlorotoluene

Concen: 14.927 ug/l

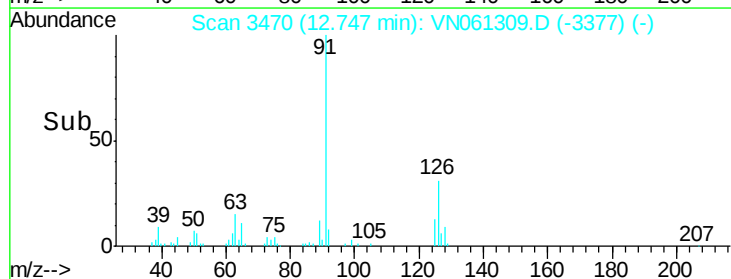
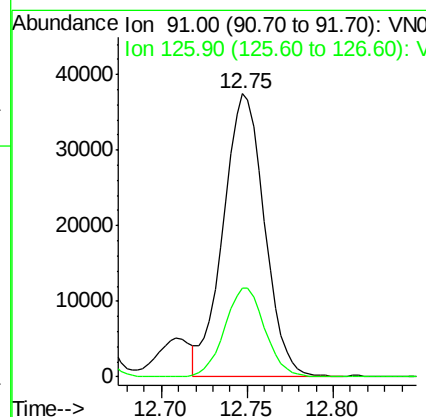
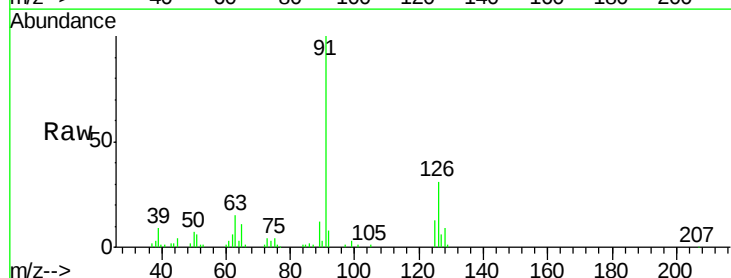
RT: 12.75 min Scan# 3470

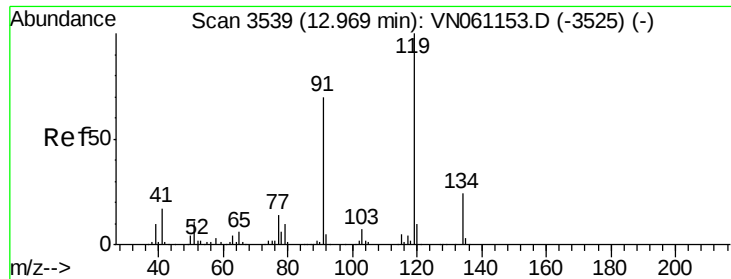
Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Tgt Ion:	91	Resp:	62693
Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.7	47.1





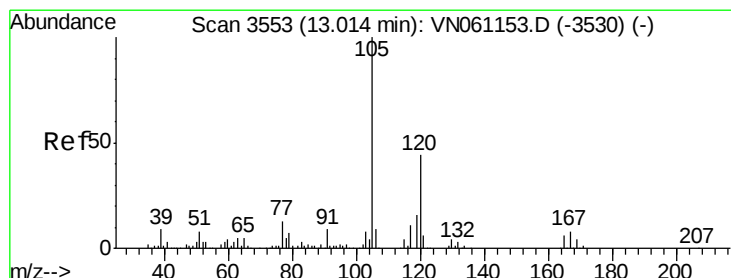
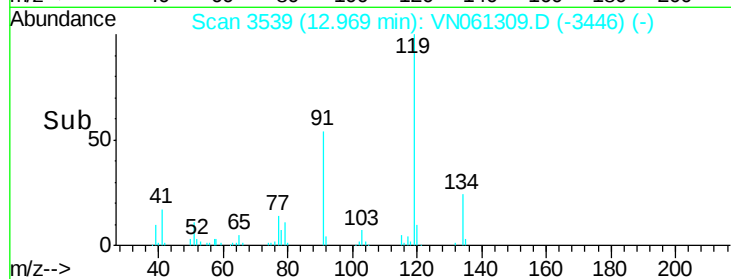
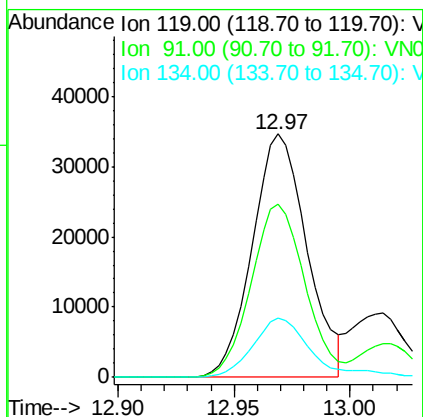
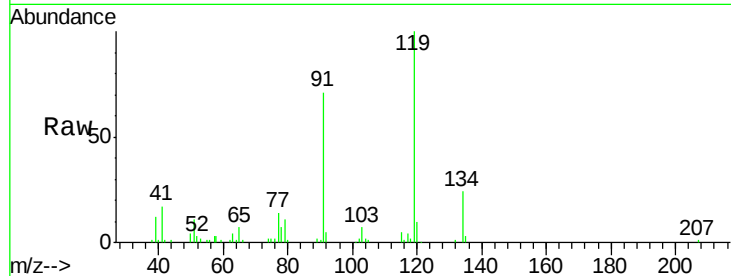
#83
 tert-Butylbenzene
 Concen: 14.225 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.5	34.8	104.4
134	26.1	12.9	38.7

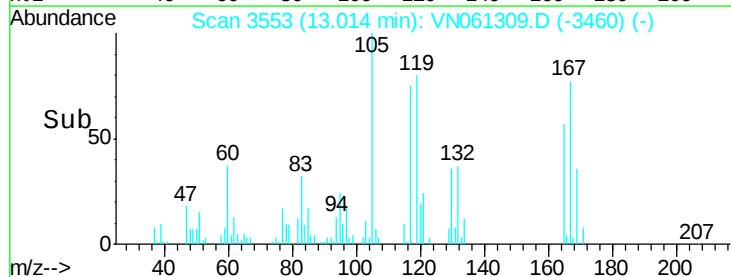
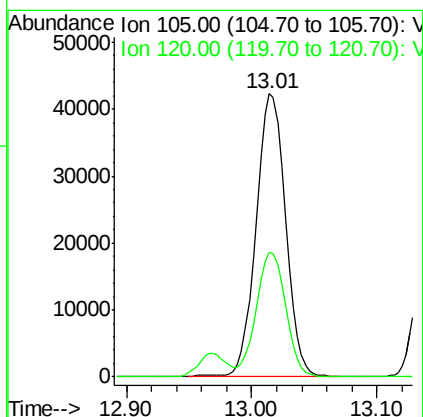
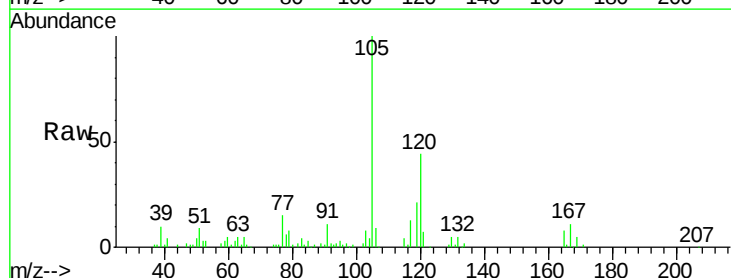
Manual Integrations
 APPROVED

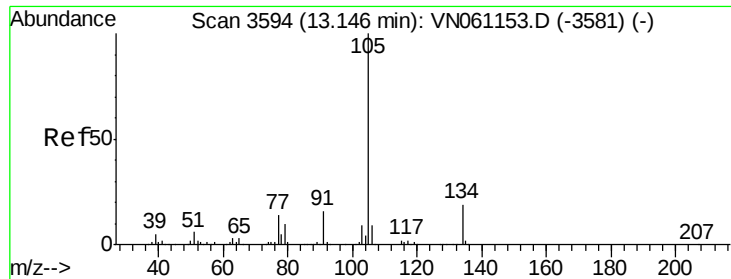
MMDadoda
 5/7/2020 10:36:36 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 14.271 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.2	66.6





#85

sec-Butylbenzene

Concen: 13.792 ug/l

RT: 13.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion:105 Resp: 75008

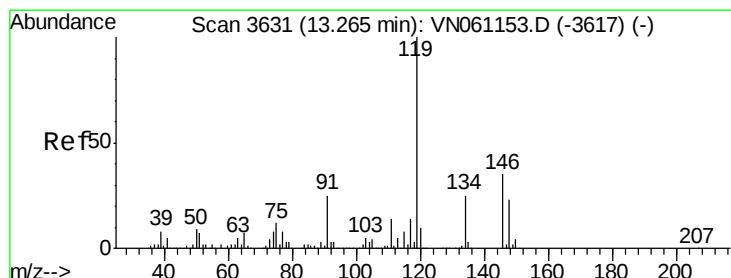
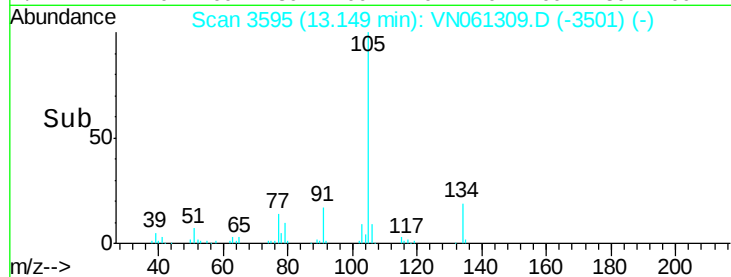
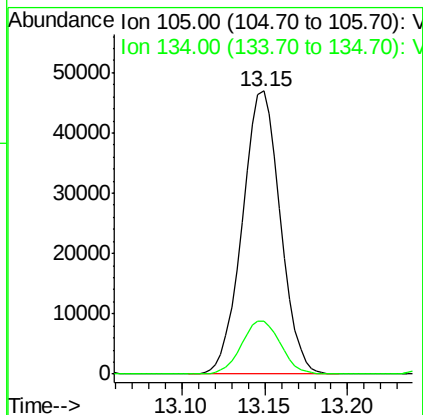
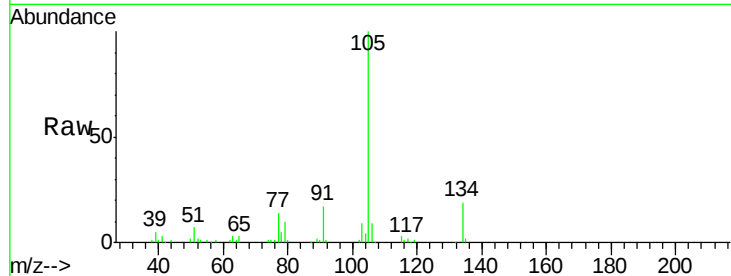
Ion Ratio Lower Upper

105 100

134 19.1 9.6 28.8

Manual Integrations
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MMDadoda
5/7/2020 10:36:36 AM



#86

p-Isopropyltoluene

Concen: 13.618 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

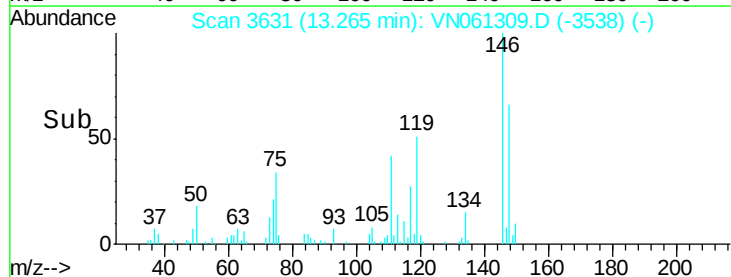
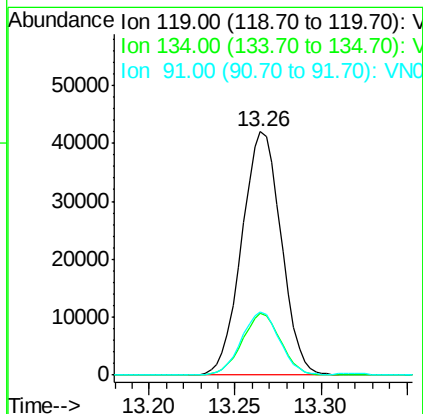
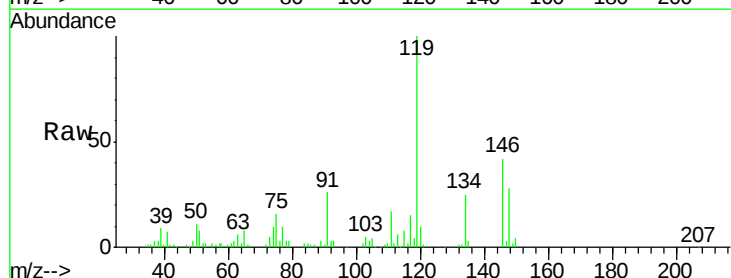
Tgt Ion:119 Resp: 66731

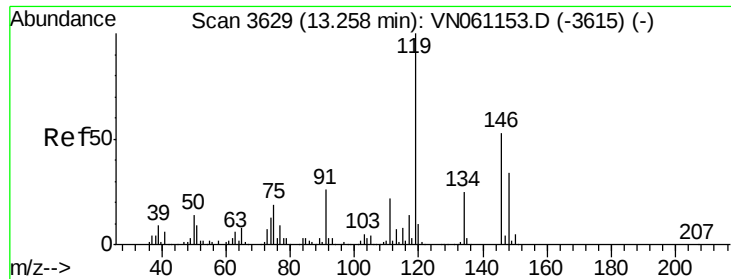
Ion Ratio Lower Upper

119 100

134 24.5 12.6 37.6

91 25.3 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 14.489 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

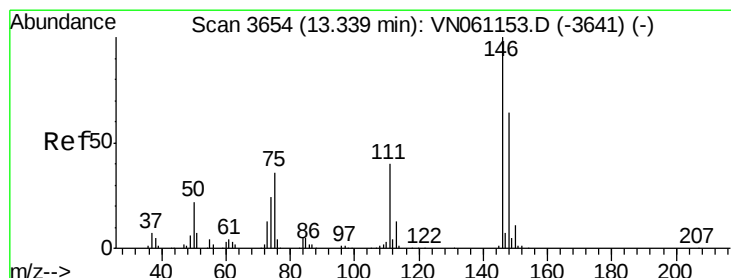
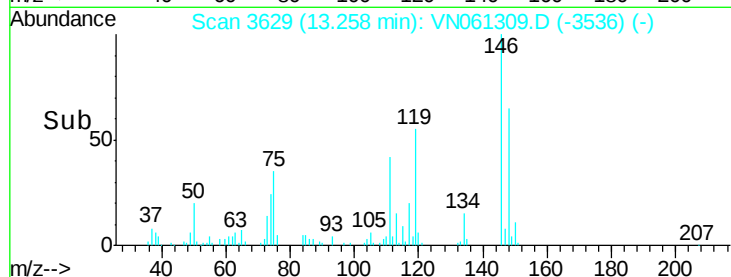
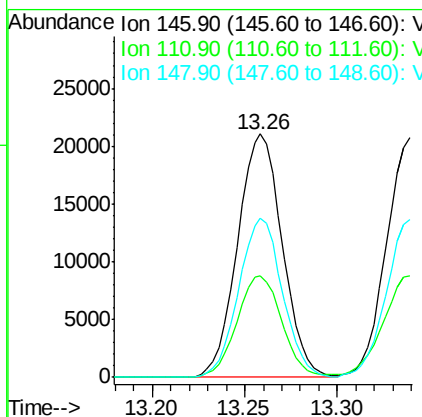
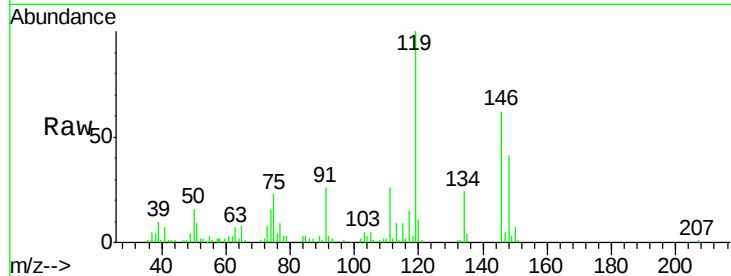
ClientSampleId :

VN0506WBSD01

Tot Ion:	146	Resp:	35195
Ion Ratio	Lower	Upper	
146	100		
111	42.2	20.7	62.1
148	63.9	31.8	95.3

Manual Integrations
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5/7/2020 10:36:36 AM



#88

1,4-Dichlorobenzene

Concen: 14.233 ug/l

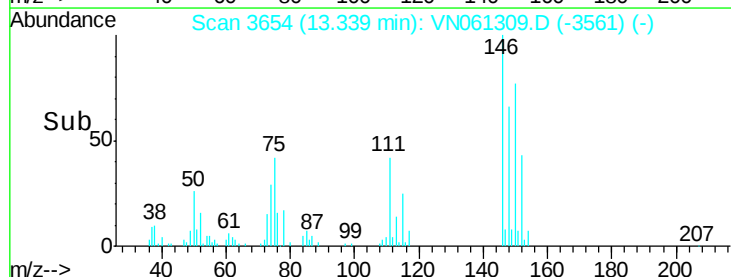
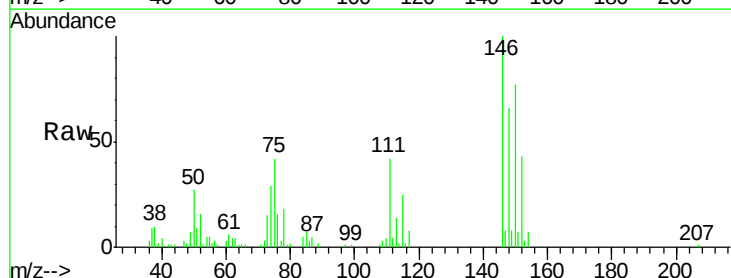
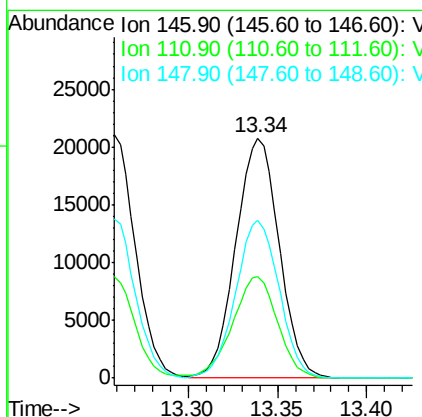
RT: 13.34 min Scan# 3654

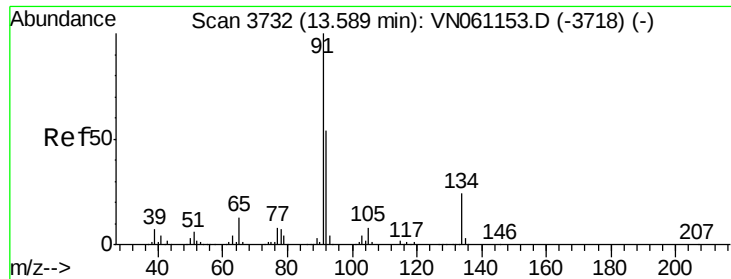
Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Tgt Ion:	146	Resp:	35325
Ion Ratio	Lower	Upper	
146	100		
111	43.9	20.4	61.3
148	65.7	31.9	95.7





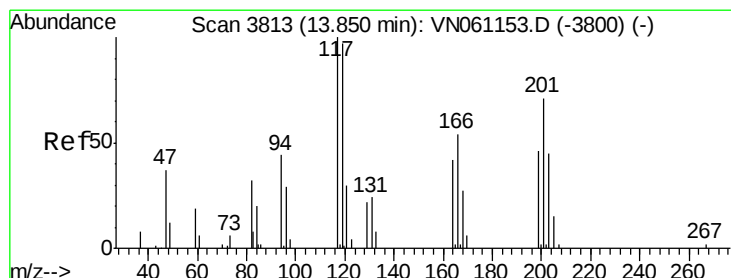
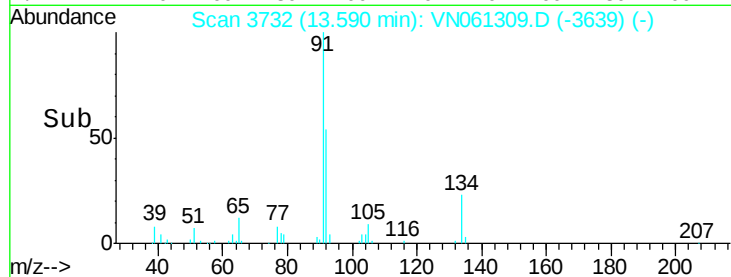
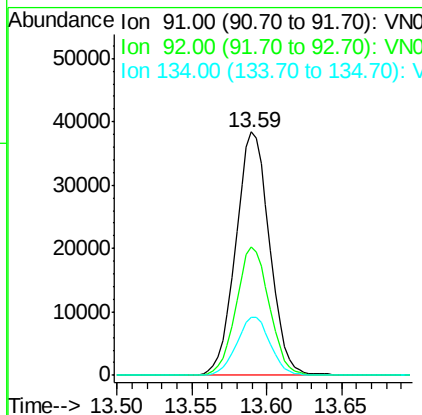
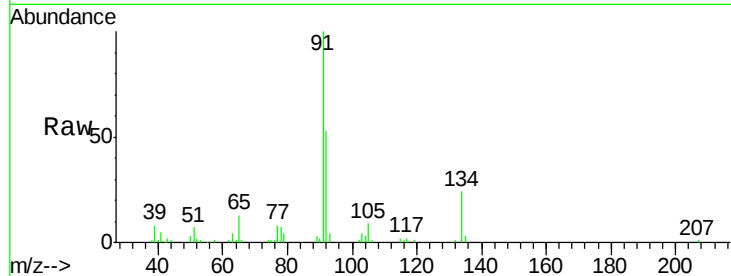
#89
n-Butylbenzene
Concen: 13.422 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.8	80.3
134	23.6	11.9	35.5

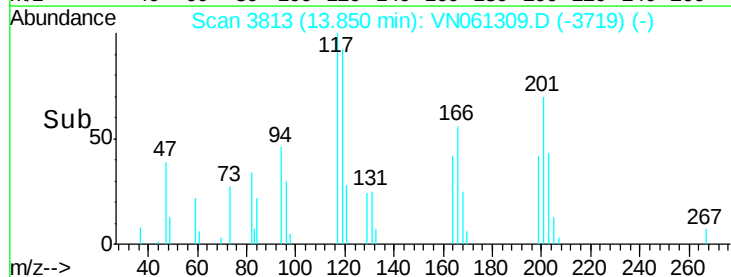
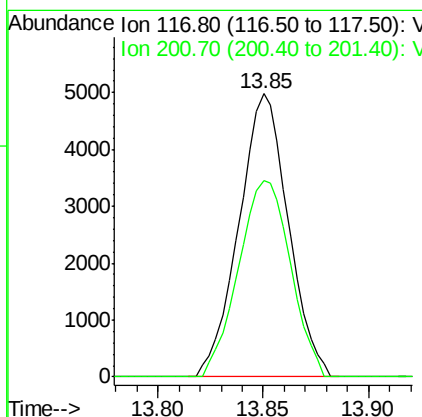
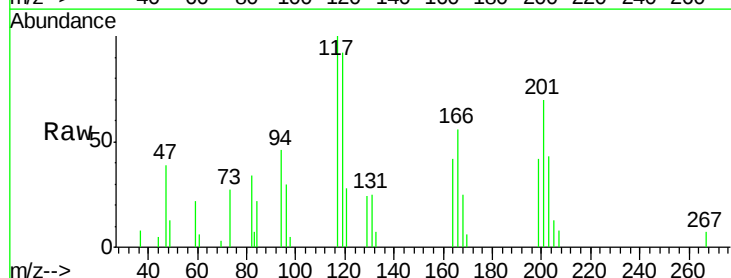
Manual Integrations
APPROVED

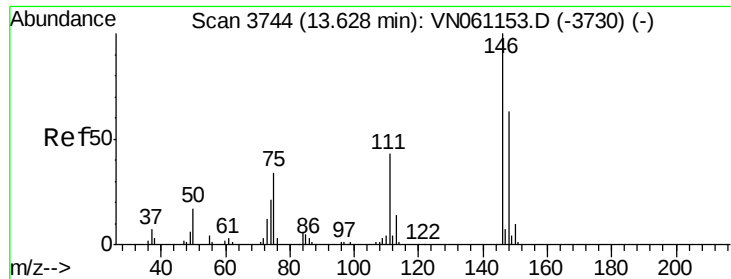
MMDadoda
5/7/2020 10:36:36 AM



#90
Hexachloroethane
Concen: 21.074 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061309.D
Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.7	35.5	106.7





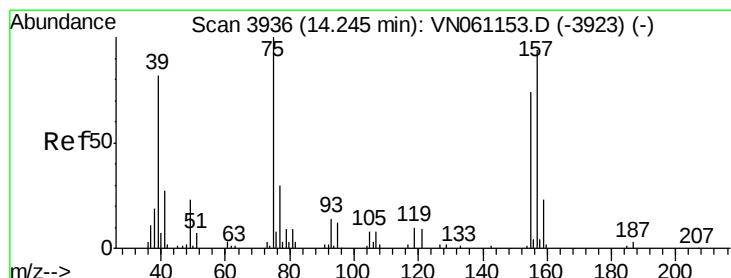
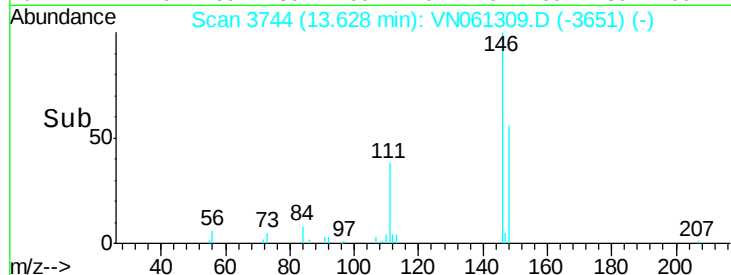
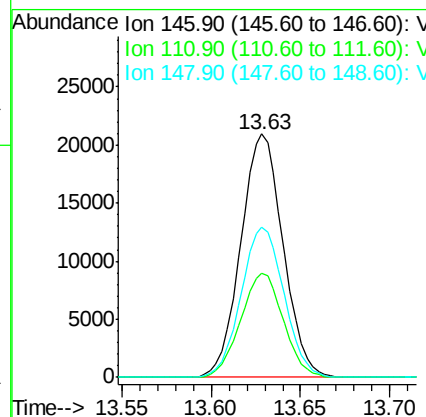
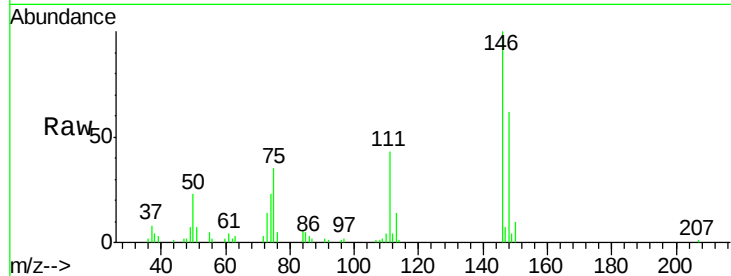
#91
 1,2-Dichlorobenzene
 Concen: 14.873 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.3
148	62.8	31.6	95.0

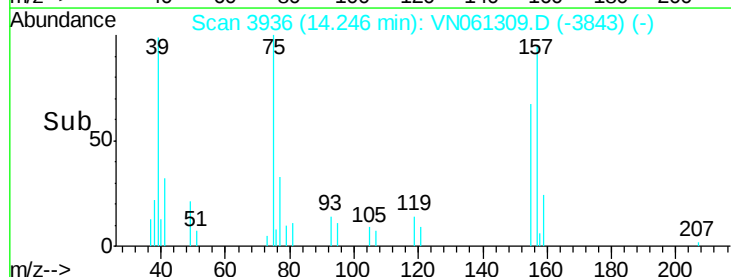
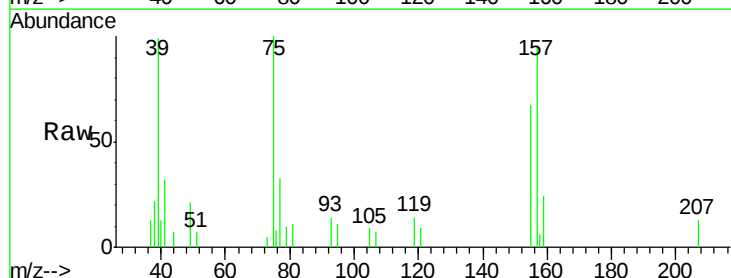
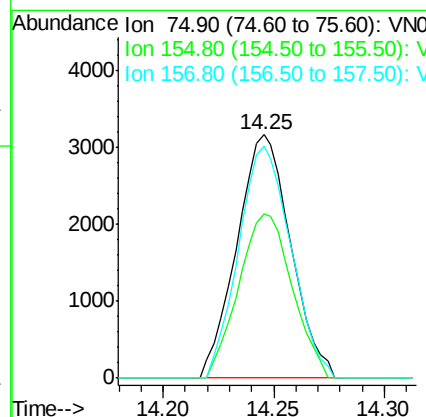
Manual Integrations
 APPROVED

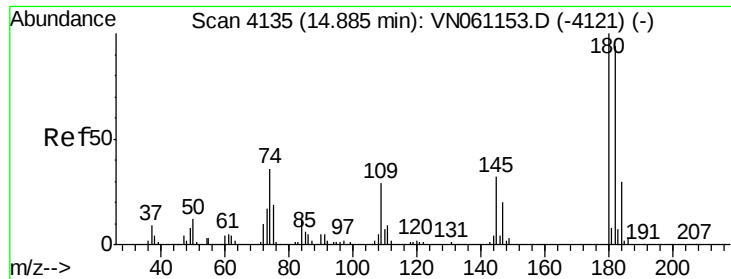
MMDadoda
 5/7/2020 10:36:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.194 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.0	36.5	109.7
157	92.7	46.6	139.7





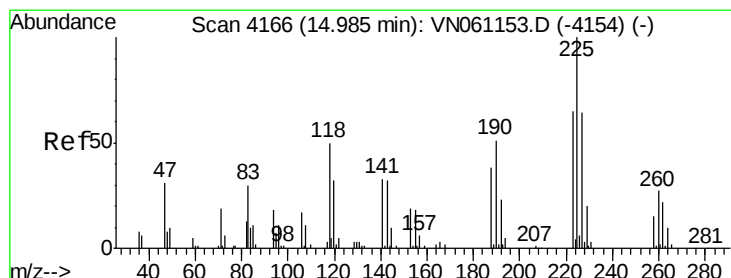
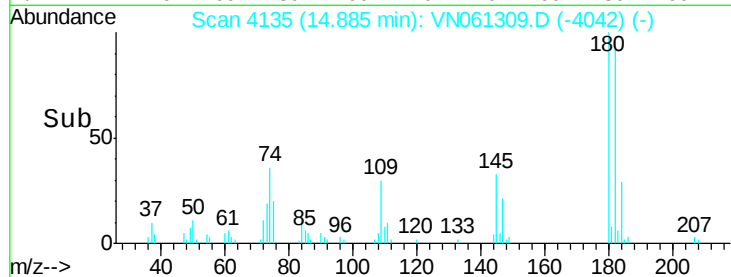
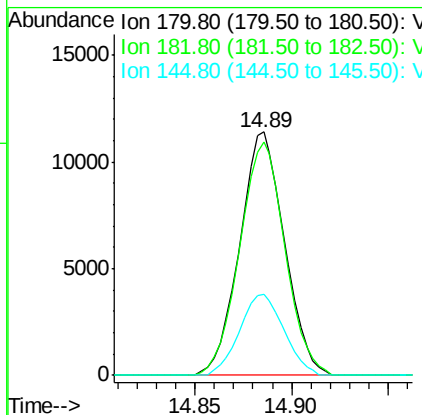
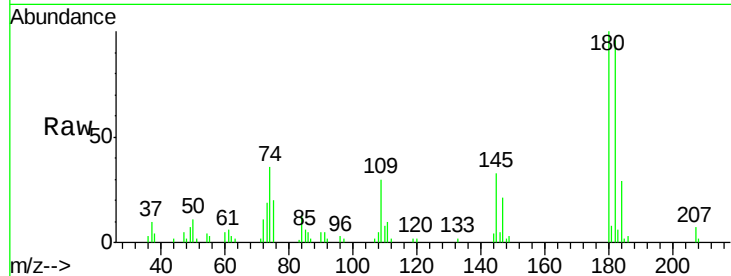
#93
 1,2,4-Trichlorobenzene
 Concen: 12.924 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.3	141.9
145	33.1	16.0	47.9

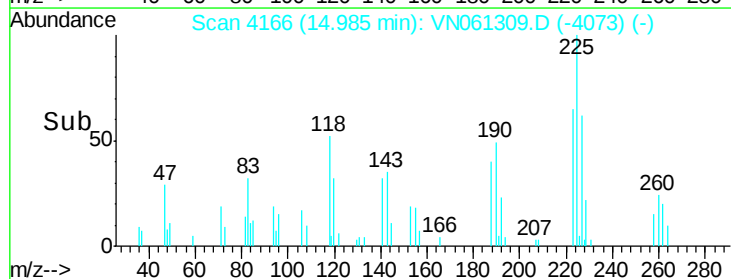
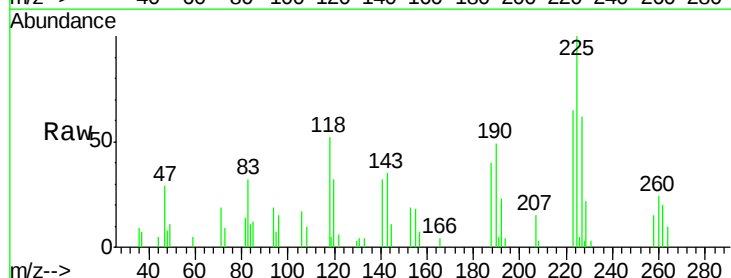
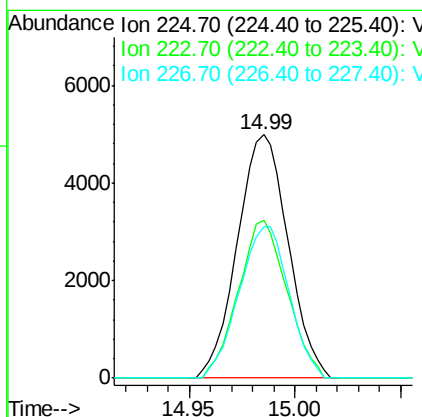
Manual Integrations
 APPROVED

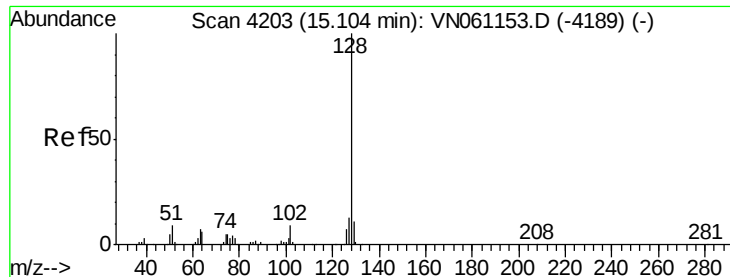
MMDadoda
 5/7/2020 10:36:36 AM



#94
 Hexachlorobutadiene
 Concen: 14.062 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061309.D
 Acq: 6 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.4	97.0
227	61.4	32.4	97.0





#95

Naphthalene

Concen: 12.586 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Instrument :

MSVOA_N

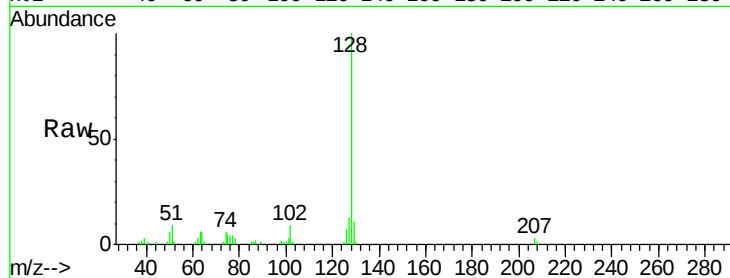
ClientSampleId :

VN0506WBSD01

Tot Ion:	128	Resp:	58135
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

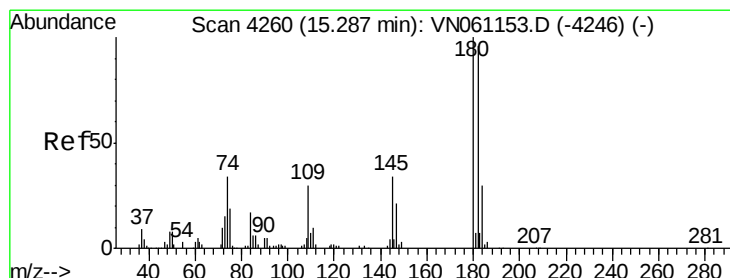
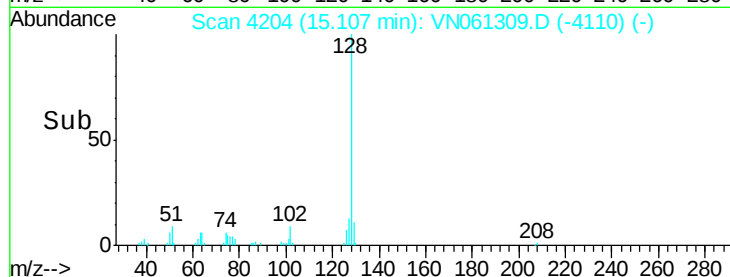
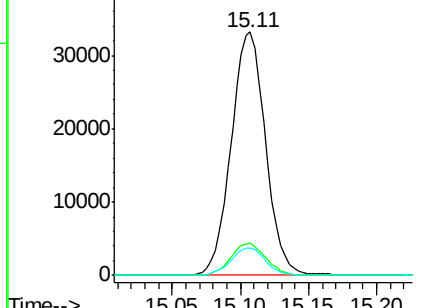
MMDadoda
5/7/2020 10:36:36 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 13.163 ug/l

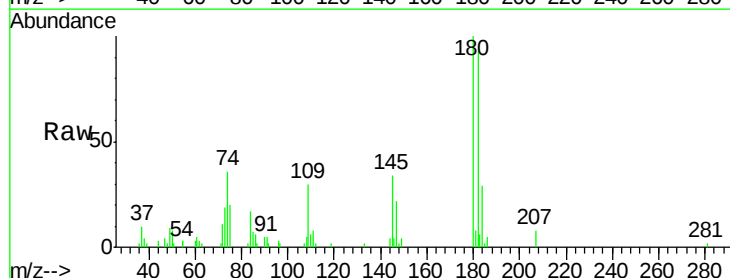
RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061309.D

Acq: 6 May 2020 15:03

Tgt Ion:	180	Resp:	18432
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.5	142.5
145	34.7	16.9	50.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

