

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061134.D
 Acq On : 22 Apr 2020 18:01
 Operator : JC/MD
 Sample : VN0422WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 11:35:46 AM

Quant Time: Apr 23 07:55:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	190611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	309145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	284513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.16	152	137597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.77	65	119062	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
35) Dibromofluoromethane	7.31	113	86504	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	9.88	98	358220	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.21	95	131707	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.72	85	33889	19.120	ug/l	99
3) Chloromethane	1.91	50	38663	17.860	ug/l	99
4) Vinyl Chloride	2.03	62	46388	17.656	ug/l	97
5) Bromomethane	2.39	94	23431	18.350	ug/l	98
6) Chloroethane	2.52	64	24548	17.687	ug/l	98
7) Trichlorofluoromethane	2.82	101	55433	19.791	ug/l	96
8) Diethyl Ether	3.18	74	22371	17.289	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.51	101	34642	18.508	ug/l	100
10) Methyl Iodide	3.69	142	50789	18.815	ug/l	100
11) Tert butyl alcohol	4.44	59	22093	67.837	ug/l	97
12) 1,1-Dichloroethene	3.49	96	35750	18.761	ug/l	99
13) Acrolein	3.36	56	21700	87.201	ug/l	99
14) Allyl chloride	4.03	41	54355	20.415	ug/l	96
15) Acrylonitrile	4.64	53	84965	84.204	ug/l	99
16) Acetone	3.54	43	78200	81.241	ug/l	99
17) Carbon Disulfide	3.78	76	101007	17.725	ug/l	99
18) Methyl Acetate	4.02	43	48206	15.724	ug/l	98
19) Methyl tert-butyl Ether	4.70	73	120218	17.861	ug/l	99
20) Methylene Chloride	4.24	84	38411	17.395	ug/l	97
21) trans-1,2-Dichloroethene	4.70	96	39238	17.184	ug/l	93
22) Diisopropyl ether	5.61	45	122193	17.525	ug/l	97
23) Vinyl Acetate	5.55	43	490172	87.724	ug/l	99
24) 1,1-Dichloroethane	5.51	63	69665	18.056	ug/l	99
25) 2-Butanone	6.51	43	112105	81.393	ug/l	100
26) 2,2-Dichloropropane	6.50	77	62363	17.949	ug/l	100
27) cis-1,2-Dichloroethene	6.51	96	43974	17.352	ug/l	98
28) Bromochloromethane	6.90	49	30543	18.425	ug/l	97
29) Tetrahydrofuran	6.90	42	76517	80.696	ug/l	100
30) Chloroform	7.08	83	70872	18.164	ug/l	99
31) Cyclohexane	7.38	56	67518	17.400	ug/l	96
32) 1,1,1-Trichloroethane	7.29	97	62559	17.978	ug/l	100
36) 1,1-Dichloropropene	7.52	75	54895	18.169	ug/l	99
37) Ethyl Acetate	6.61	43	49716	16.418	ug/l	99
38) Carbon Tetrachloride	7.50	117	45571	17.229	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	66714	18.060	ug/l	97
40) Benzene	7.78	78	159649	17.846	ug/l	99
41) Methacrylonitrile	6.88	41	24686m	17.172	ug/l	
42) 1,2-Dichloroethane	7.87	62	57103	17.913	ug/l	99
43) Isopropyl Acetate	7.92	43	87602	17.033	ug/l	100
44) Trichloroethene	8.61	130	47865	18.403	ug/l	99
45) 1,2-Dichloropropane	8.89	63	41827	17.671	ug/l	98
46) Dibromomethane	8.98	93	27557	18.168	ug/l	98
47) Bromodichloromethane	9.18	83	55184	18.457	ug/l	98
48) Methyl methacrylate	8.98	41	38970	16.093	ug/l	97
49) 1,4-Dioxane	8.98	88	8214	270.890	ug/l	95
51) 4-Methyl-2-Pentanone	9.78	43	247953	82.602	ug/l	99
52) Toluene	9.95	92	99570	17.779	ug/l	99
53) t-1,3-Dichloropropene	10.18	75	63877	17.459	ug/l	99
54) cis-1,3-Dichloropropene	9.63	75	68271	17.937	ug/l	100
55) 1,1,2-Trichloroethane	10.36	97	38655	17.914	ug/l	99
56) Ethyl methacrylate	10.24	69	56347	17.137	ug/l	98
57) 1,3-Dichloropropane	10.51	76	65444	17.871	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.49	63	155047	91.457	ug/l	100
59) 2-Hexanone	10.56	43	179948	81.146	ug/l	100
60) Dibromochloromethane	10.71	129	39806	17.642	ug/l	97
61) 1,2-Dibromoethane	10.80	107	39217	17.636	ug/l	100
64) Tetrachloroethene	10.43	164	52989	18.193	ug/l	99
65) Chlorobenzene	11.24	112	104688	18.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.32	131	37511	18.300	ug/l	99
67) Ethyl Benzene	11.32	91	193601	17.975	ug/l	100
68) m/p-Xylenes	11.43	106	145585	36.197	ug/l	100
69) o-Xylene	11.76	106	69698	17.949	ug/l	99
70) Styrene	11.77	104	112215	17.844	ug/l	99
71) Bromoform	11.93	173	27374	17.715	ug/l #	98
73) Isopropylbenzene	12.06	105	186503	17.941	ug/l	100
74) N-amyl acetate	11.89	43	77204	16.522	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.32	83	49199	17.661	ug/l	98
76) 1,2,3-Trichloropropane	12.36	75	54745m	17.248	ug/l	
77) Bromobenzene	12.33	156	45297	17.885	ug/l	99
78) n-propylbenzene	12.40	91	218646	17.932	ug/l	100
79) 2-Chlorotoluene	12.48	91	125969	17.793	ug/l	99
80) 1,3,5-Trimethylbenzene	12.55	105	156281	17.841	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.11	75	19894	16.461	ug/l	99
82) 4-Chlorotoluene	12.58	91	132750	17.673	ug/l	99
83) tert-Butylbenzene	12.81	119	133465	18.143	ug/l	99
84) 1,2,4-Trimethylbenzene	12.85	105	156630	17.954	ug/l	100
85) sec-Butylbenzene	12.98	105	179737	18.056	ug/l	100
86) p-Isopropyltoluene	13.10	119	163952	18.147	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	81931	18.252	ug/l	99
88) 1,4-Dichlorobenzene	13.17	146	82057	18.009	ug/l	98
89) n-Butylbenzene	13.43	91	147218	17.858	ug/l	100
90) Hexachloroethane	13.68	117	10710	14.755	ug/l	98
91) 1,2-Dichlorobenzene	13.46	146	77370	18.526	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.08	75	10408	17.212	ug/l	99

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ClientSampleId :
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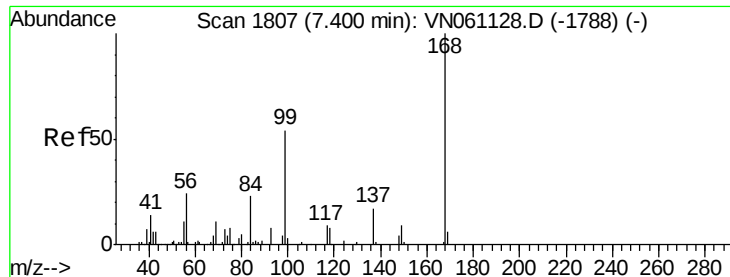
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.72	180	50976	18.250	ug/l	99
94) Hexachlorobutadiene	14.82	225	22297	18.305	ug/l	97
95) Naphthalene	14.93	128	154158	17.875	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	50179	18.696	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBSD01

Tot Ion:168 Resp: 190611

Ion Ratio Lower Upper

168 100

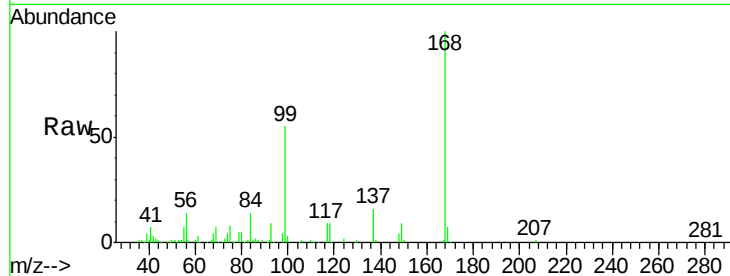
99 55.3 44.3 66.5

Manual Integrations

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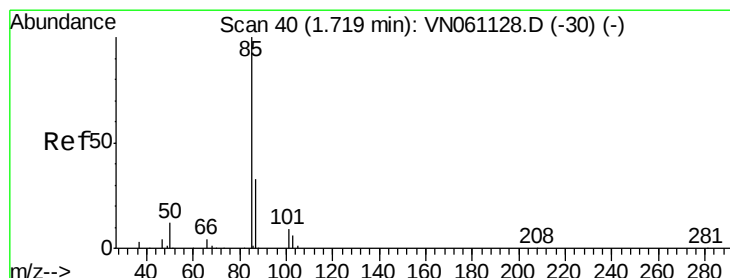
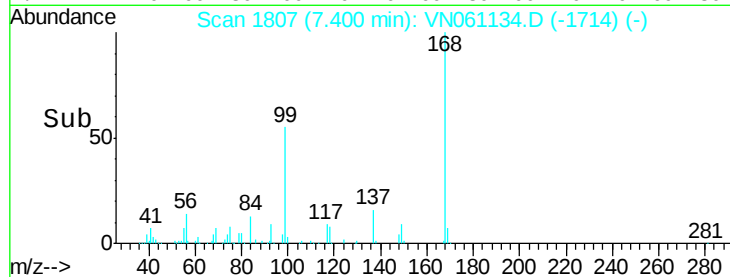
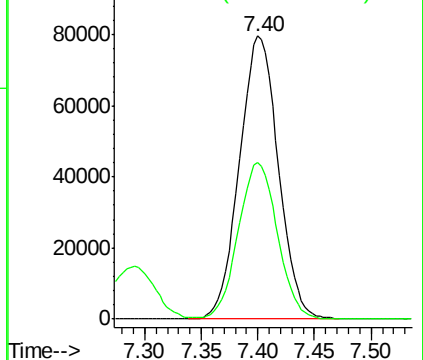
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.120 ug/l

RT: 1.72 min Scan# 41

Delta R.T. 0.00 min

Lab File: VN061134.D

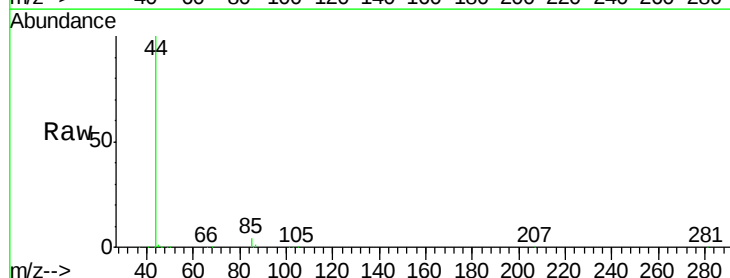
Acq: 22 Apr 2020 18:01

Tgt Ion: 85 Resp: 33889

Ion Ratio Lower Upper

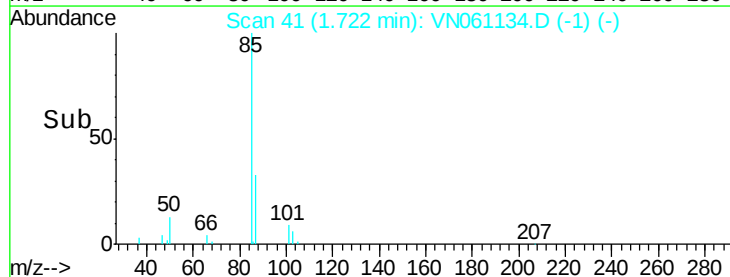
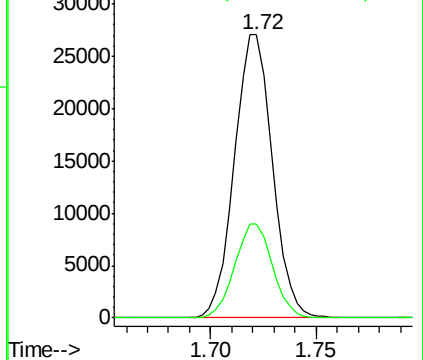
85 100

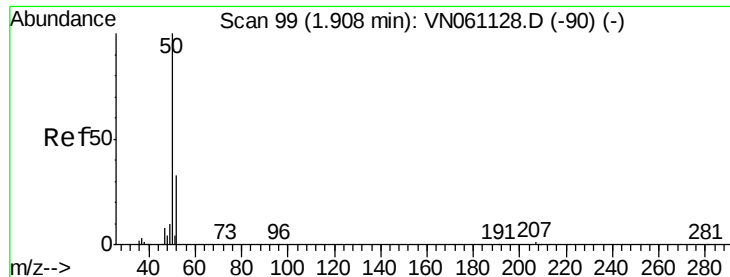
87 33.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.860 ug/l

RT: 1.91 min Scan# 100

Delta R.T. 0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 50 Resp: 38663

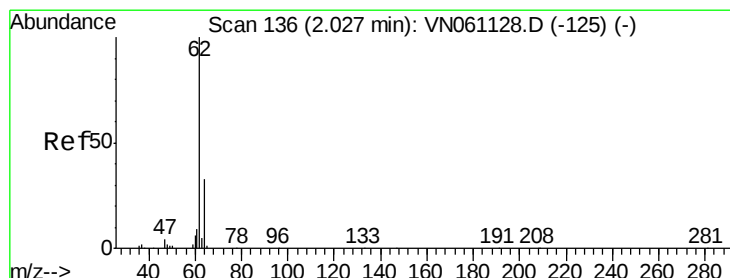
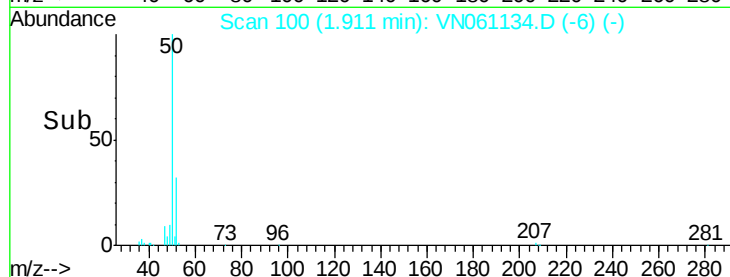
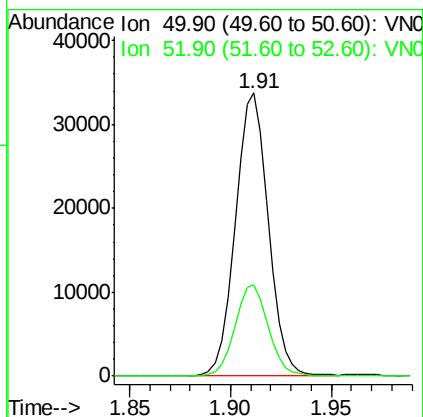
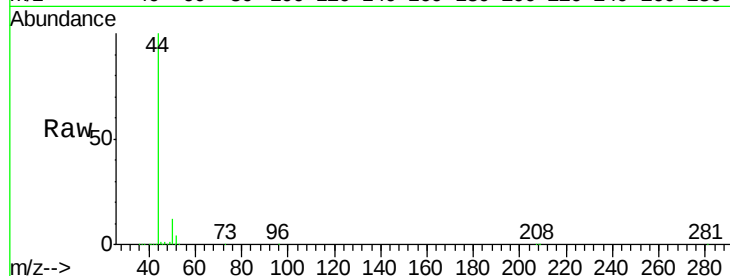
Ion Ratio Lower Upper

50 100

52 32.4 26.3 39.5

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#4

Vinyl Chloride

Concen: 17.656 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061134.D

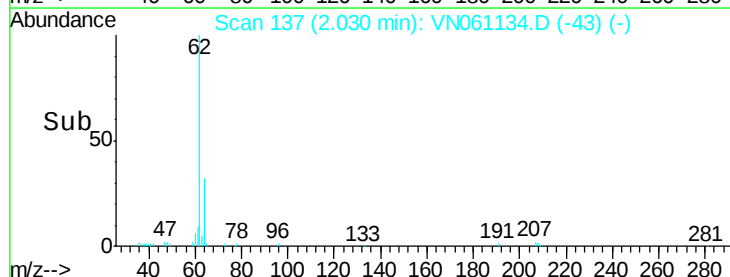
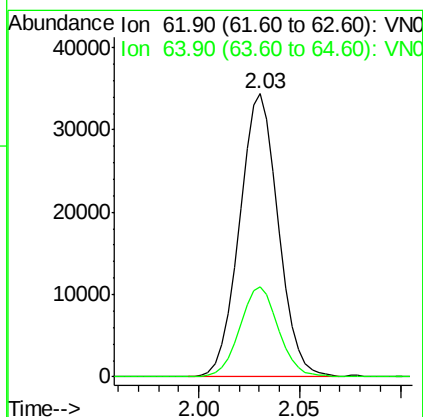
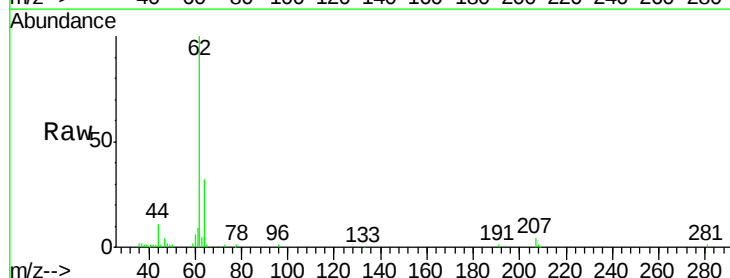
Acq: 22 Apr 2020 18:01

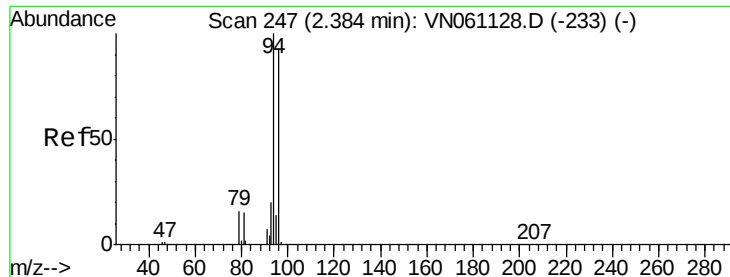
Tgt Ion: 62 Resp: 46388

Ion Ratio Lower Upper

62 100

64 31.7 26.6 40.0





#5

Bromomethane

Concen: 18.350 ug/l

RT: 2.39 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 94 Resp: 23431

Ion Ratio Lower Upper

94 100

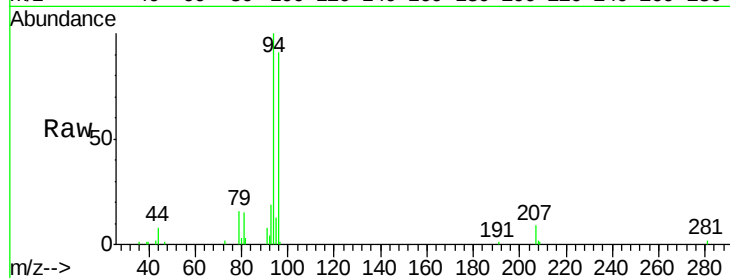
96 89.9 73.6 110.4

Manual Integrations

APPROVED

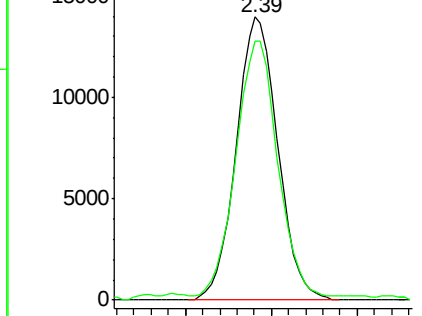
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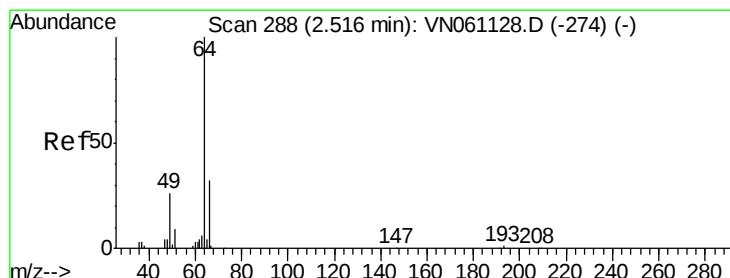
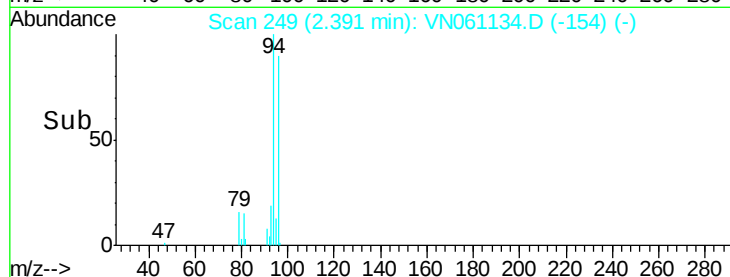


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 17.687 ug/l

RT: 2.52 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN061134.D

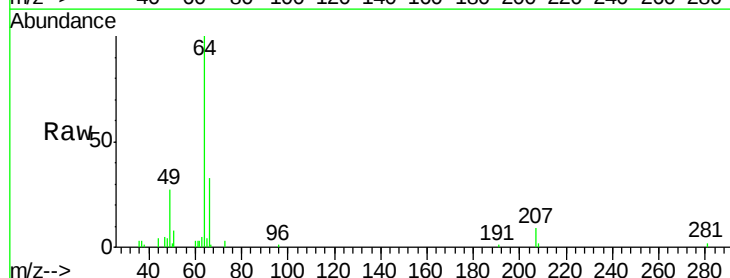
Acq: 22 Apr 2020 18:01

Tgt Ion: 64 Resp: 24548

Ion Ratio Lower Upper

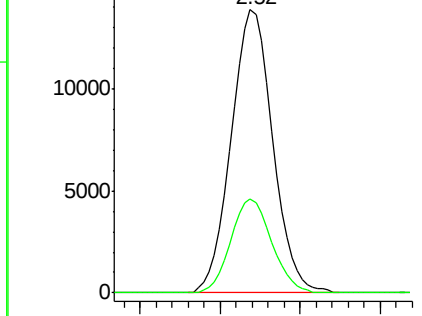
64 100

66 33.2 25.4 38.2

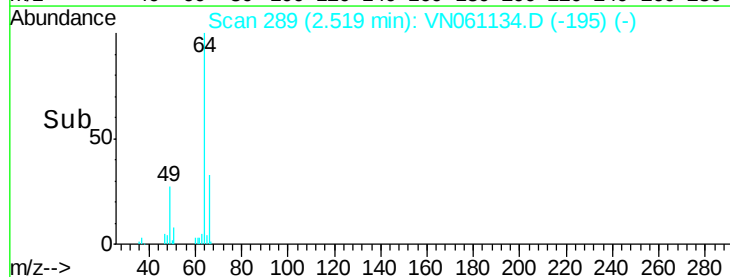


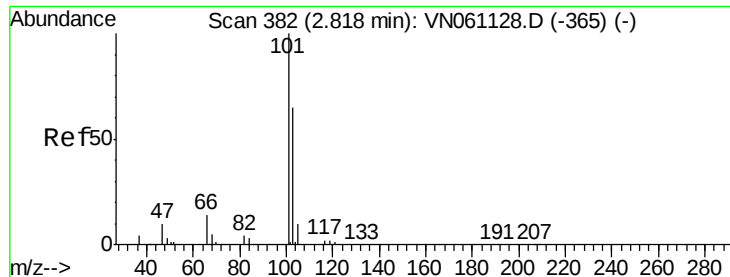
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

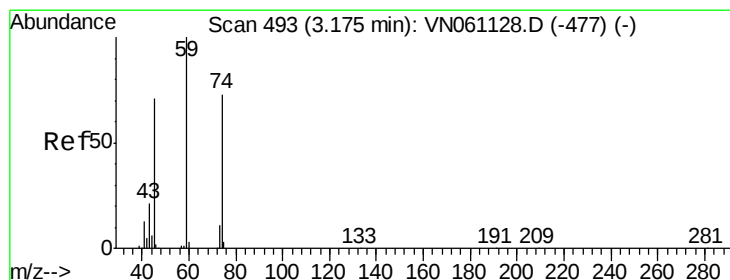
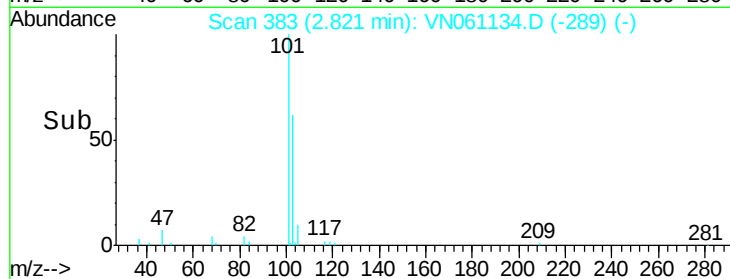
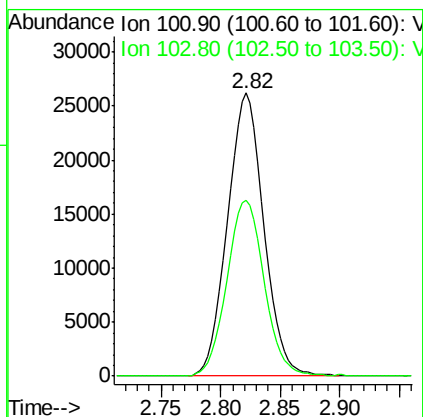
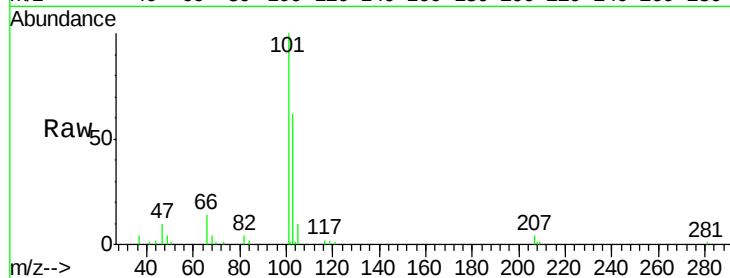
Trichlorofluoromethane
Concen: 19.791 ug/l
RT: 2.82 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		55433		
103	62.3	52.1	78.1		

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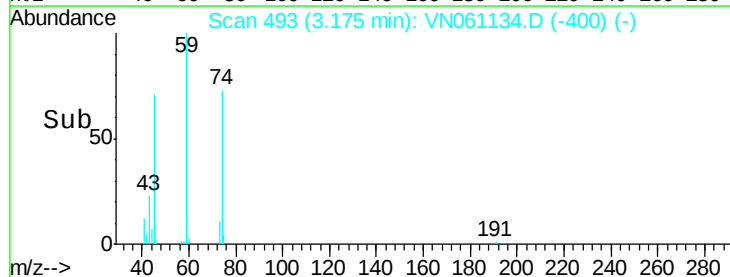
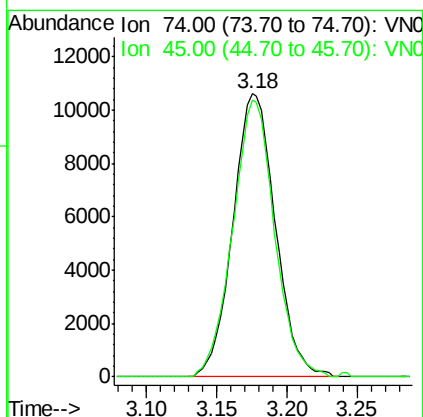
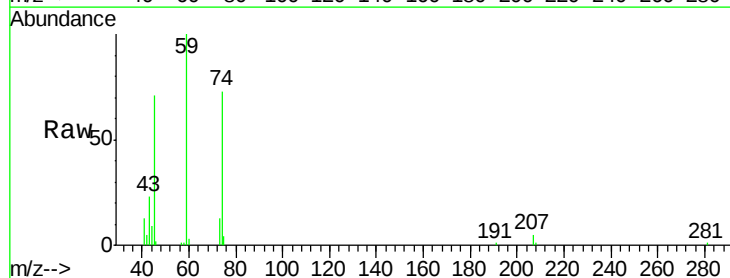
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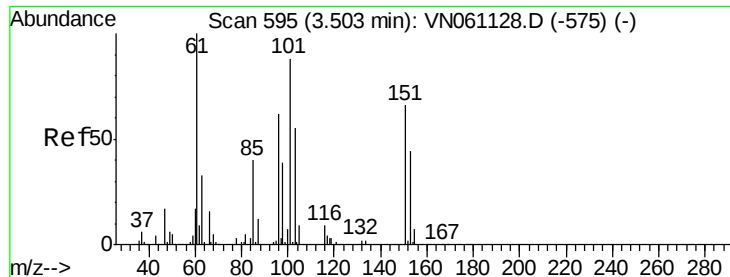


#8

Diethyl Ether
Concen: 17.289 ug/l
RT: 3.18 min Scan# 493
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		22371		
45	96.5	49.1	147.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.508 ug/l

RT: 3.51 min Scan# 596

Delta R.T. 0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

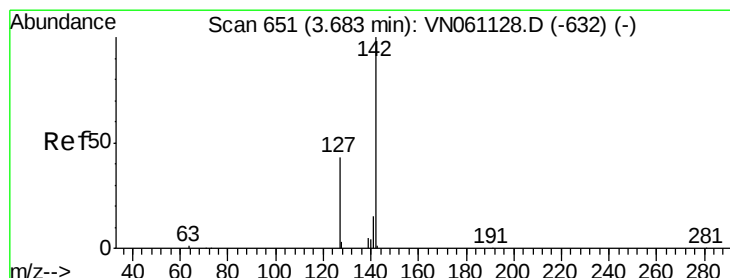
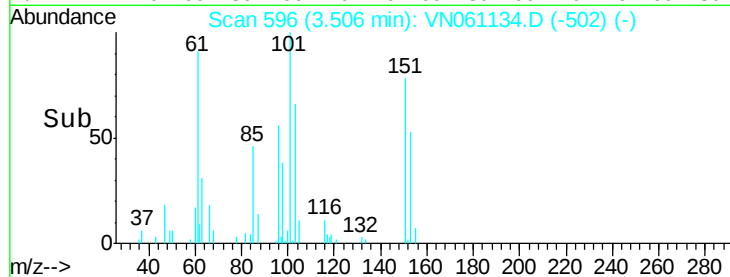
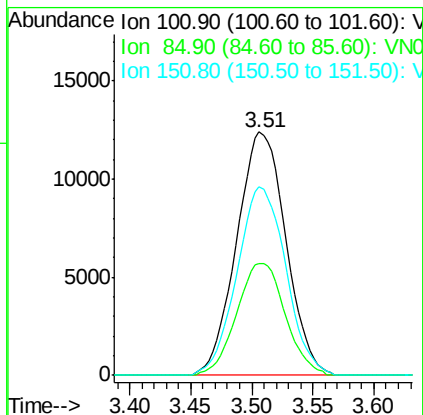
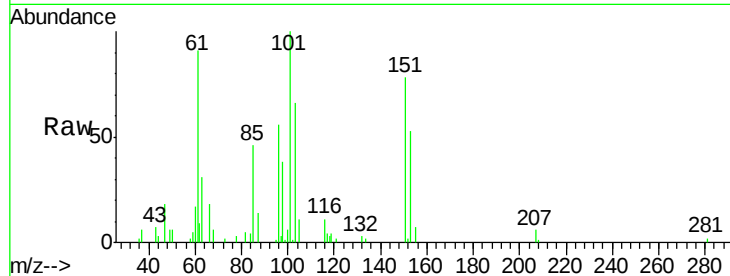
ClientSampleId :

VN0422WBSD01

Tot Ion:	101	Resp:	34642
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.2	54.4
151	77.1	61.8	92.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.815 ug/l

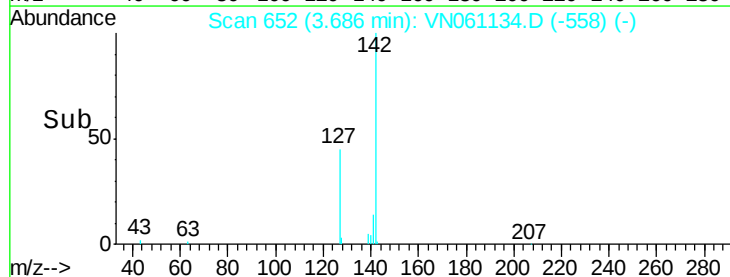
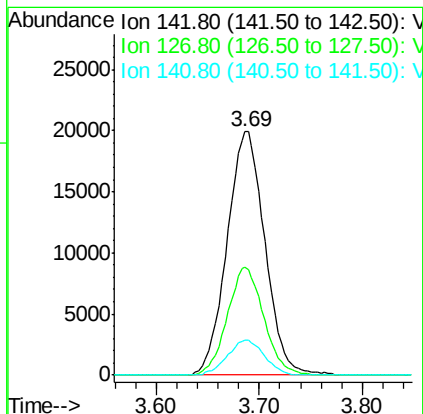
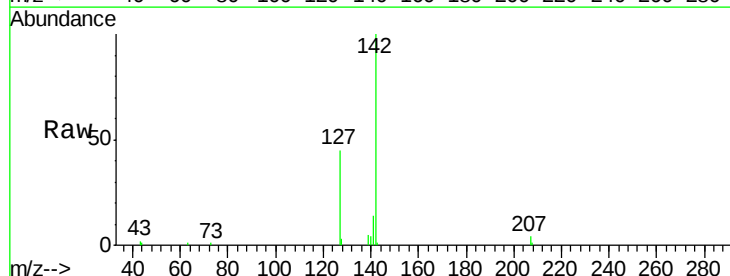
RT: 3.69 min Scan# 652

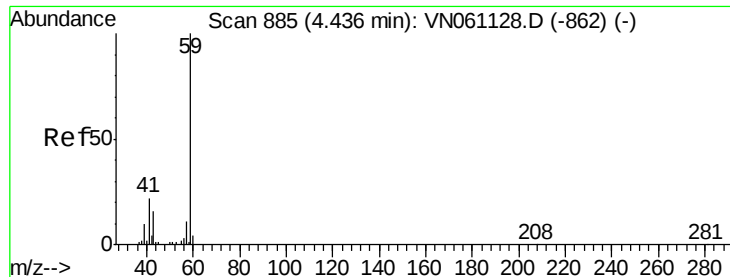
Delta R.T. 0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Tgt Ion:	142	Resp:	50789
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.2	51.4
141	14.0	11.3	16.9





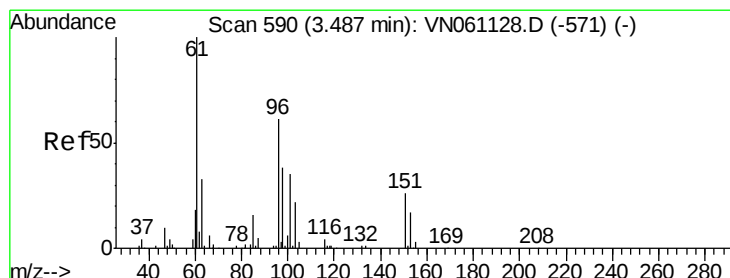
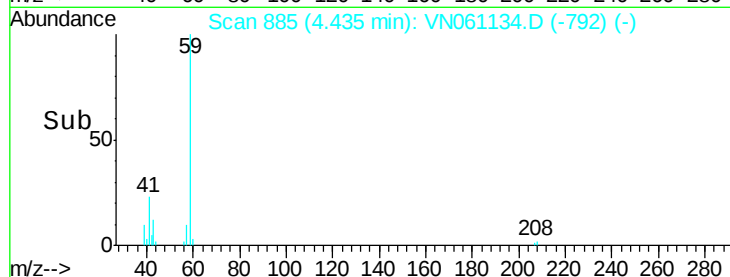
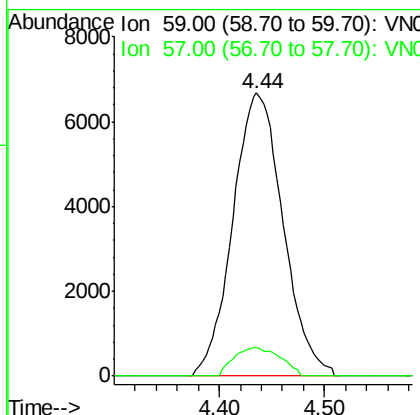
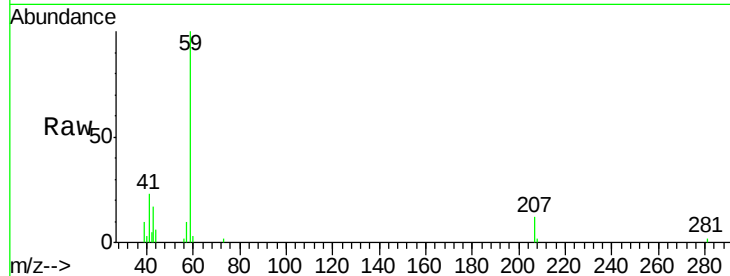
#11
Tert butyl alcohol
Concen: 67.837 ug/l
RT: 4.44 min Scan# 885
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
59	100			
57	9.3	8.2	12.4	

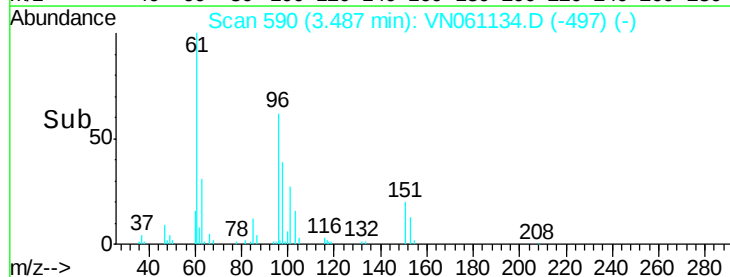
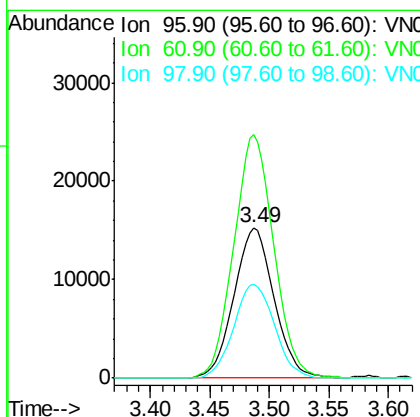
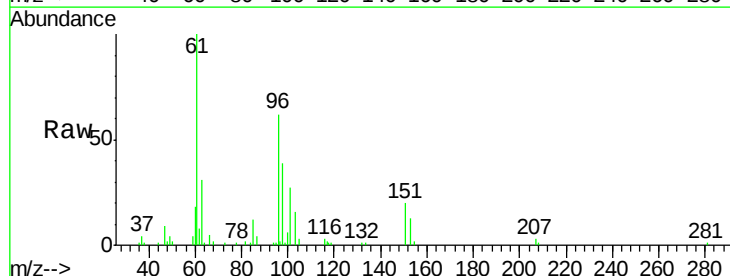
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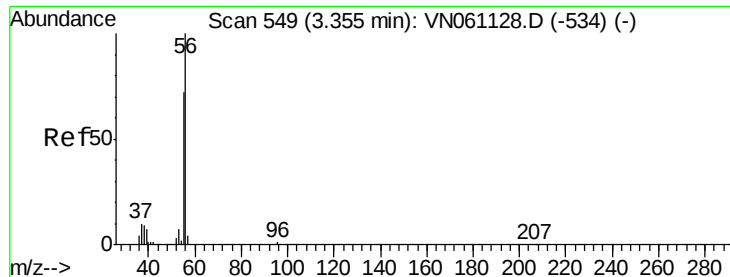
MMDadoda
4/23/2020 11:35:46 AM



#12
1,1-Dichloroethene
Concen: 18.761 ug/l
RT: 3.49 min Scan# 590
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	161.7	130.8	196.2	
98	62.3	49.4	74.2	





#13

Acrolein

Concen: 87.201 ug/l

RT: 3.36 min Scan# 550

Delta R.T. 0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 56 Resp: 21700

Ion Ratio Lower Upper

56 100

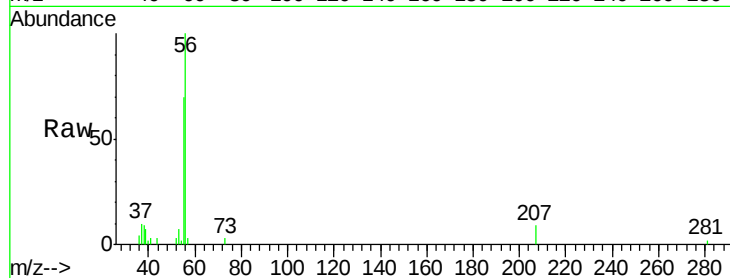
55 70.5 57.4 86.0

Manual Integrations

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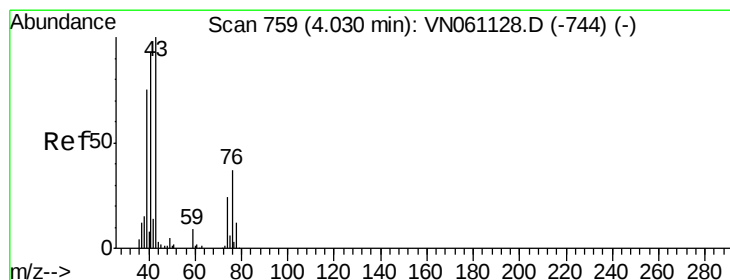
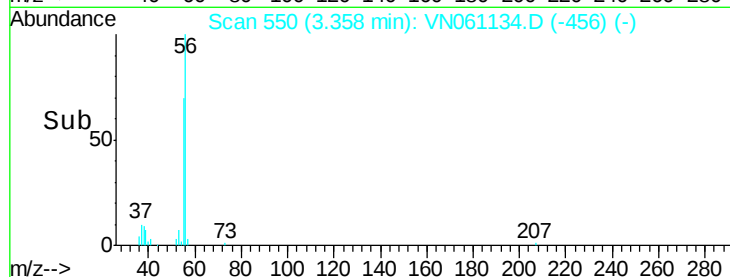
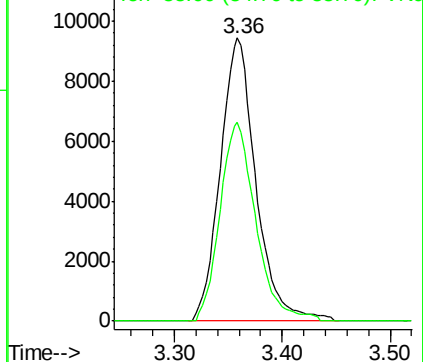
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.415 ug/l

RT: 4.03 min Scan# 758

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

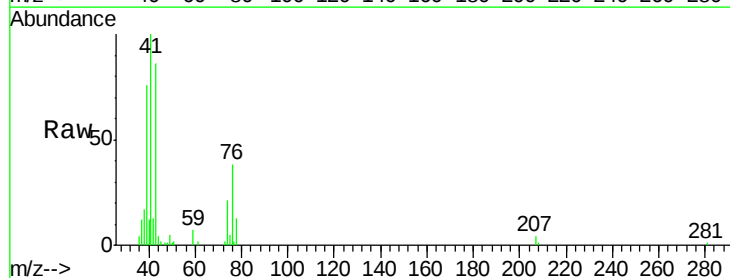
Tgt Ion: 41 Resp: 54355

Ion Ratio Lower Upper

41 100

39 79.7 61.0 91.4

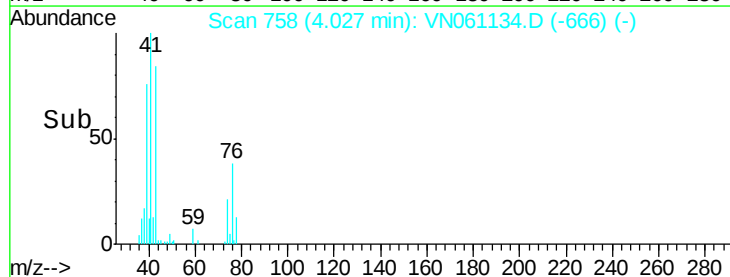
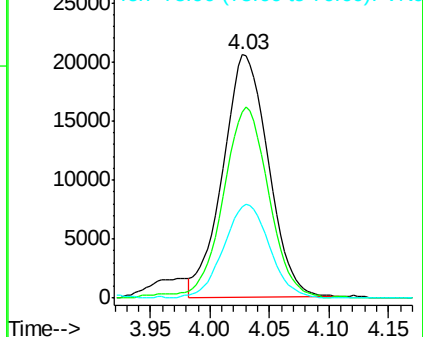
76 39.0 28.9 43.3

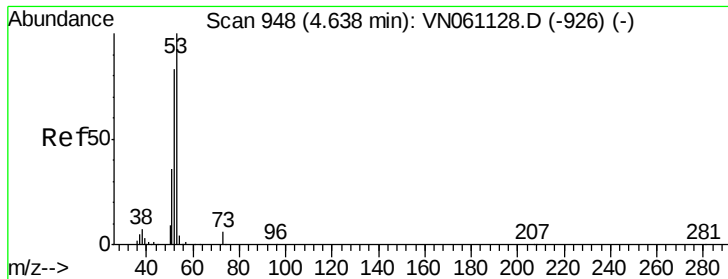


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





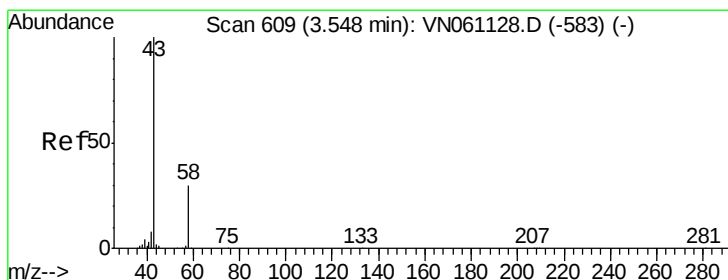
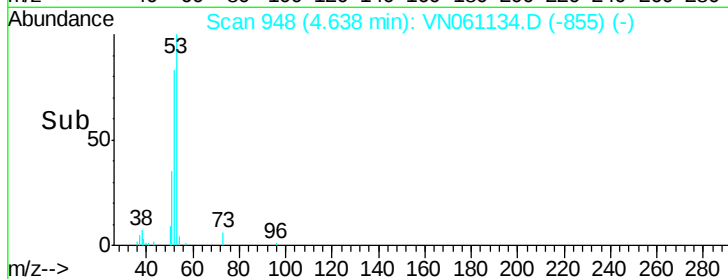
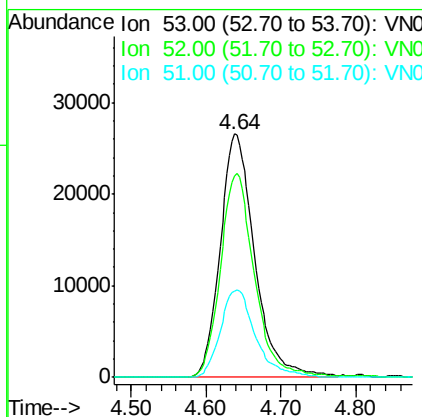
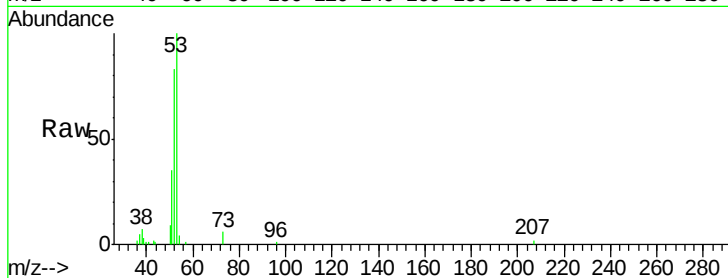
#15
 Acrylonitrile
 Concen: 84.204 ug/l
 RT: 4.64 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Tot Ion:	53	Resp:	84965
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.1	99.1
51	36.6	29.0	43.4

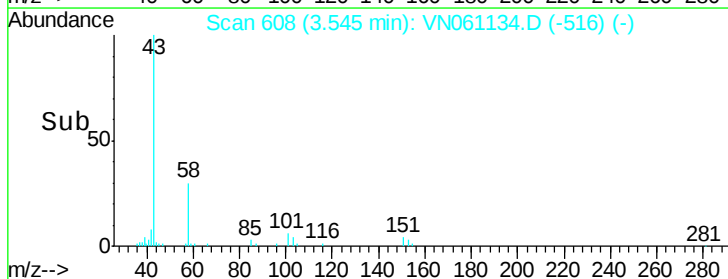
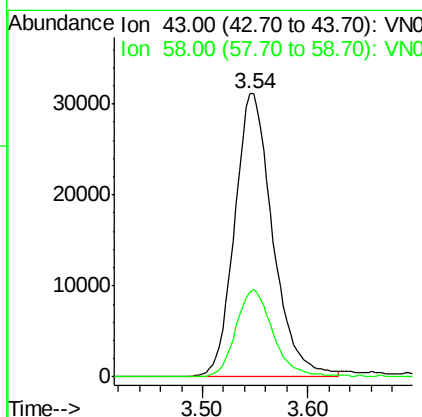
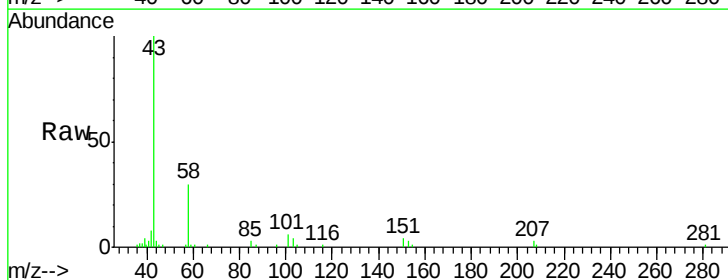
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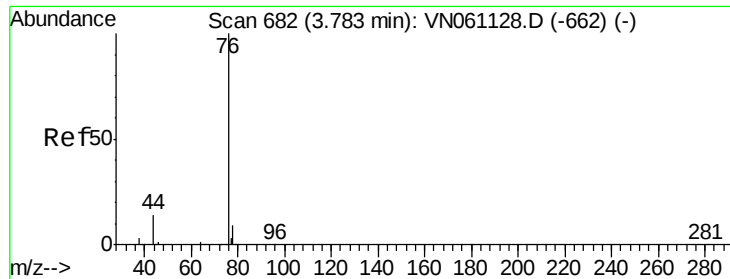
MMDadoda
 4/23/2020 11:35:46 AM



#16
 Acetone
 Concen: 81.241 ug/l
 RT: 3.54 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Tgt Ion:	43	Resp:	78200
Ion Ratio	Lower	Upper	
43	100		
58	30.0	23.6	35.4





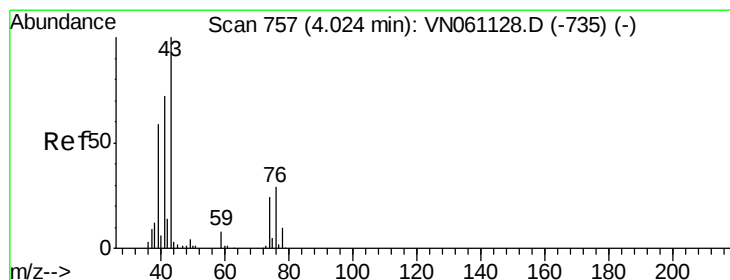
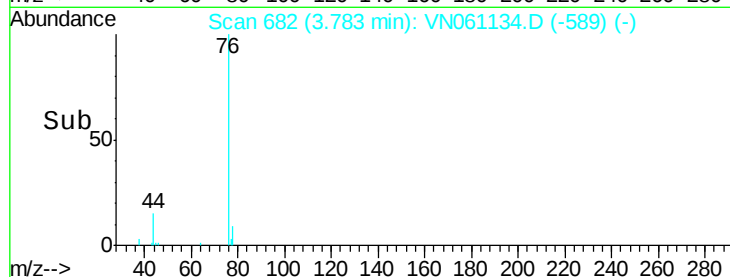
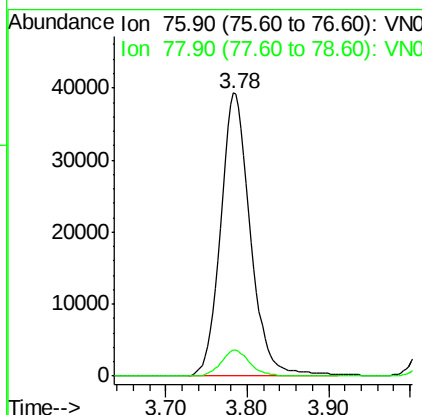
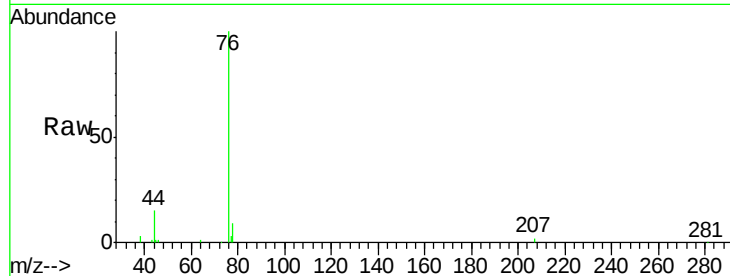
#17
Carbon Disulfide
Concen: 17.725 ug/l
RT: 3.78 min Scan# 682
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

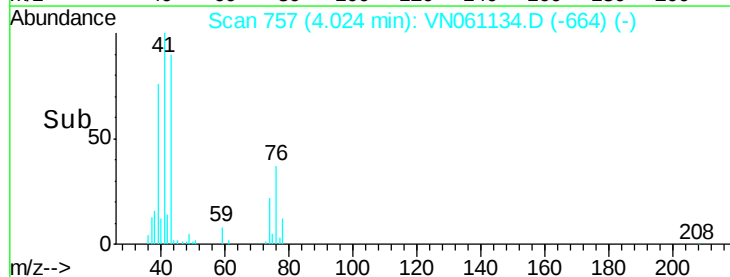
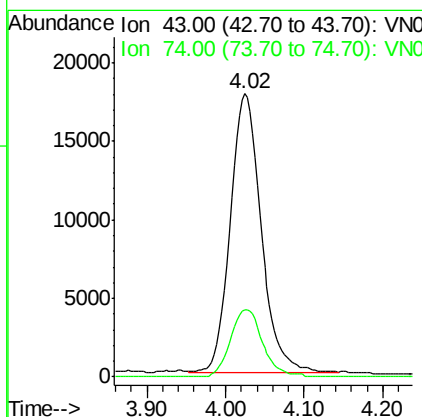
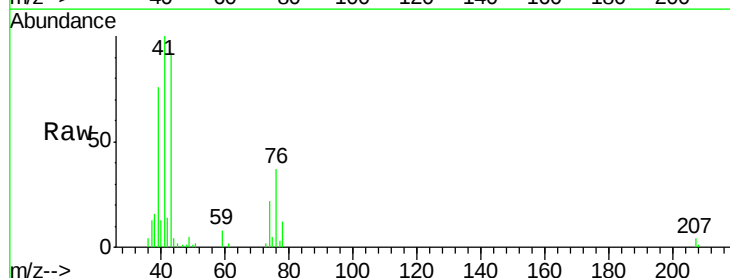
Manual Integrations
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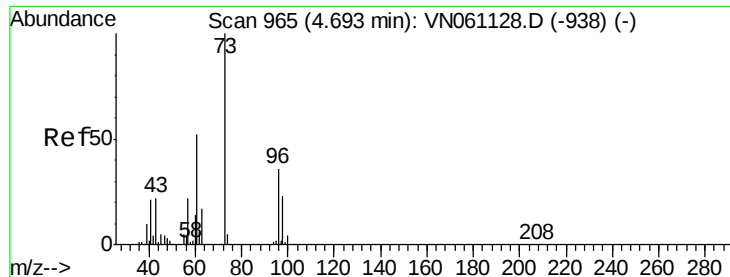
MMDadoda
4/23/2020 11:35:46 AM



#18
Methyl Acetate
Concen: 15.724 ug/l
RT: 4.02 min Scan# 757
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.4	29.0





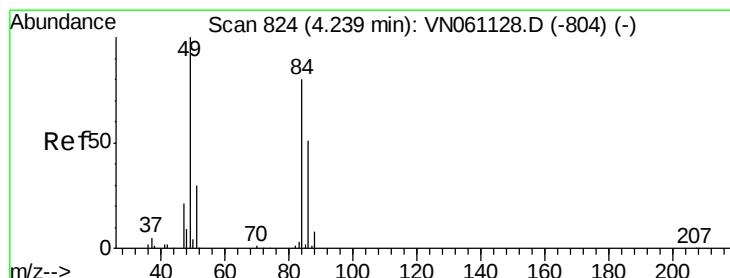
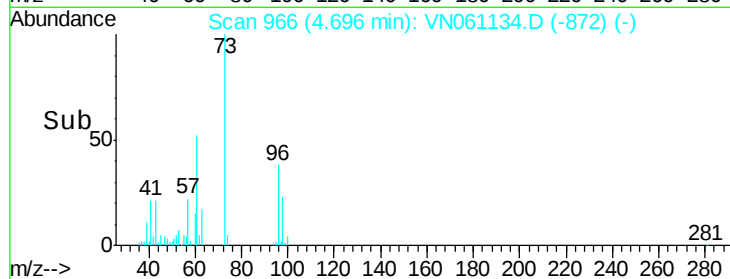
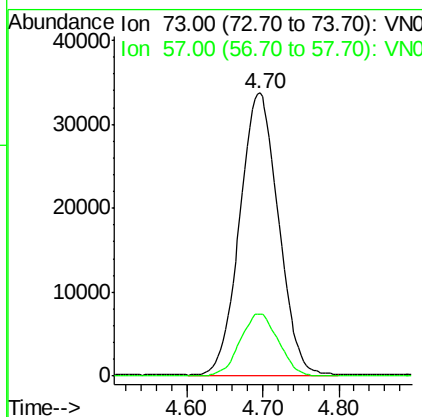
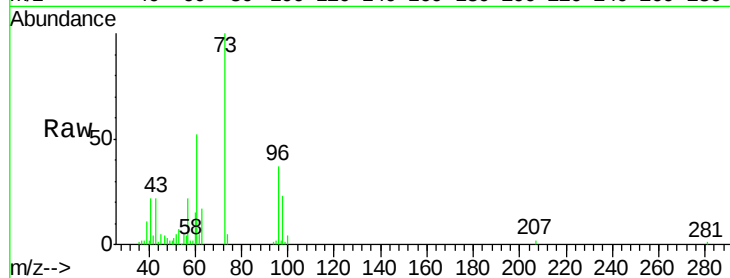
#19
Methyl tert-butyl Ether
Concen: 17.861 ug/l
RT: 4.70 min Scan# 966
Delta R.T. 0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.8	26.8

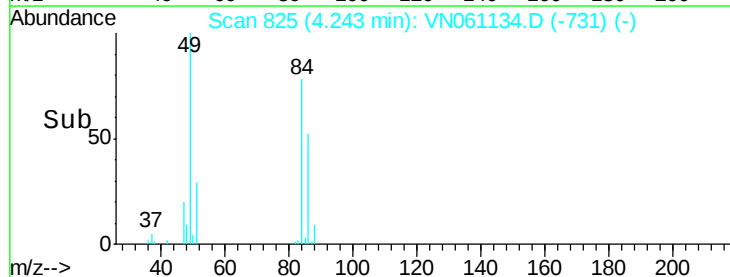
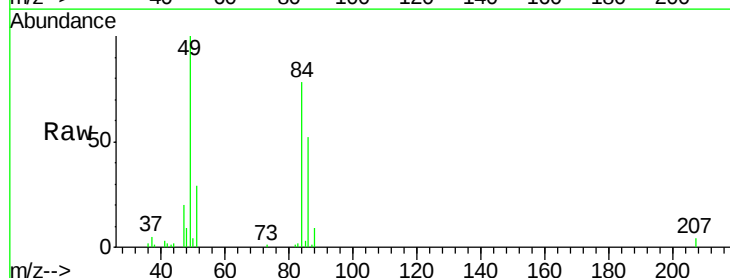
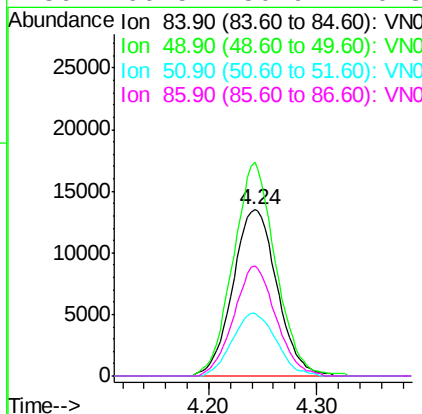
Manual Integrations
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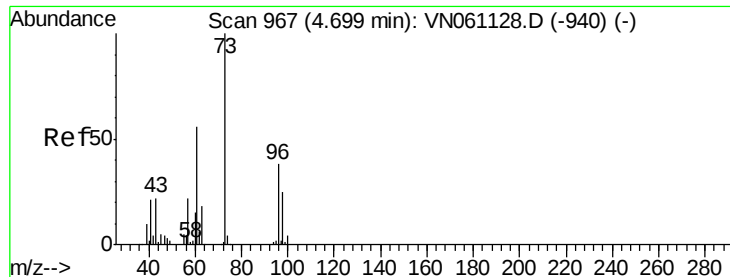
MMDadoda
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#20
Methylene Chloride
Concen: 17.395 ug/l
RT: 4.24 min Scan# 825
Delta R.T. 0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.5	99.8	149.6
51	37.6	29.9	44.9
86	66.5	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 17.184 ug/l

RT: 4.70 min Scan# 968

Delta R.T. 0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 96 Resp: 39238

Ion Ratio Lower Upper

96 100

61 134.8 116.4 174.6

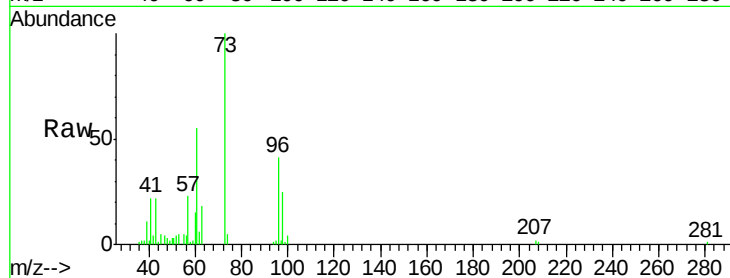
98 61.6 51.4 77.2

Manual Integrations

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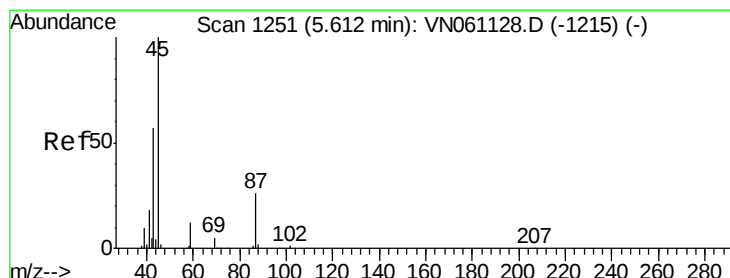
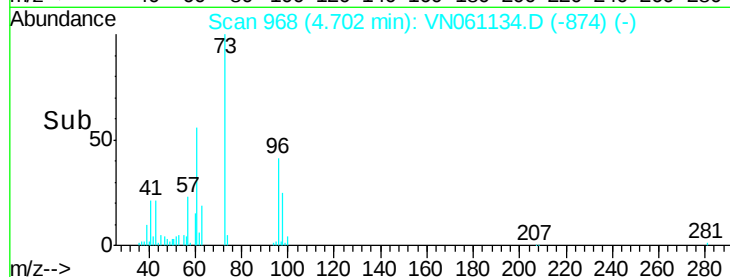
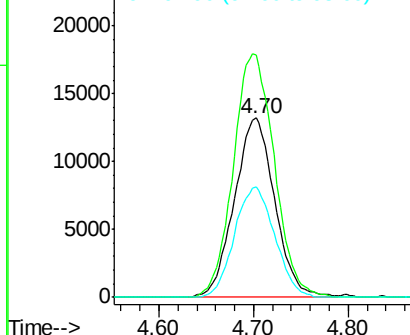


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 17.525 ug/l

RT: 5.61 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Tgt Ion: 45 Resp: 122193

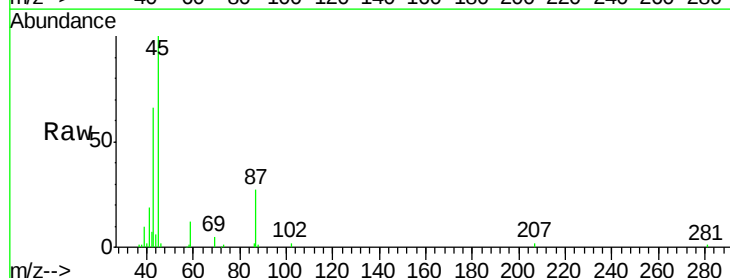
Ion Ratio Lower Upper

45 100

43 64.6 48.4 72.6

87 26.8 21.4 32.0

59 12.2 9.4 14.2



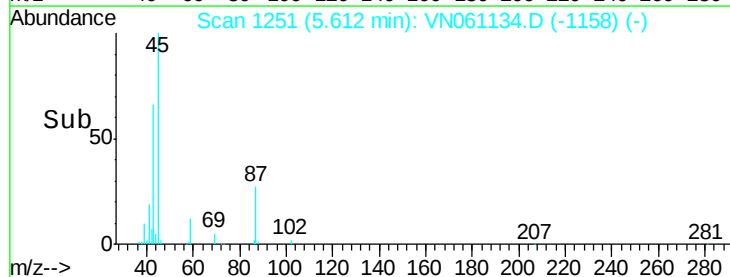
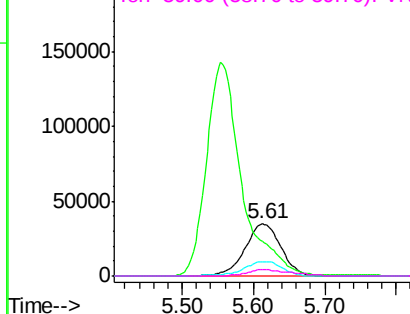
Abundance

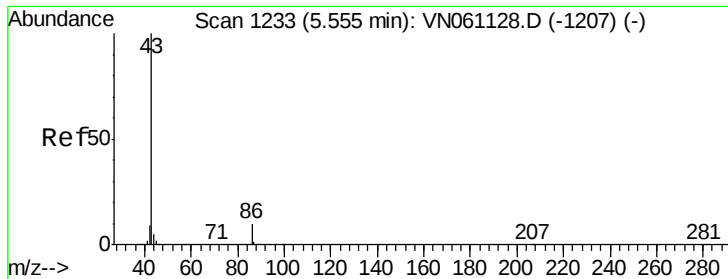
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 87.724 ug/l

RT: 5.55 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 43 Resp: 490172

Ion Ratio Lower Upper

43 100

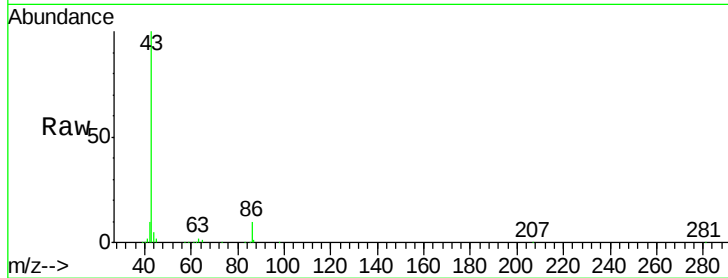
86 10.0 7.8 11.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

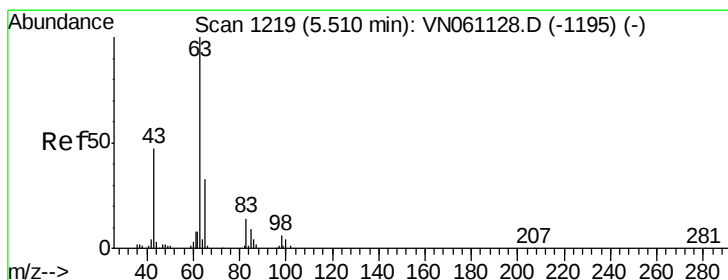
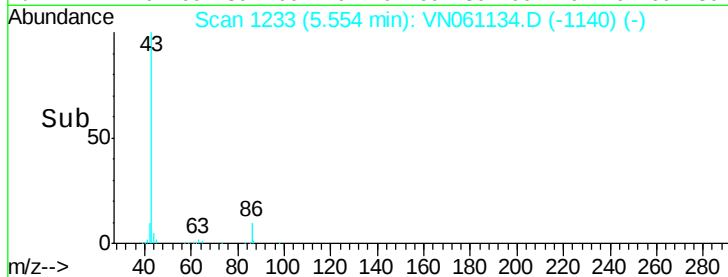
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.056 ug/l

RT: 5.51 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

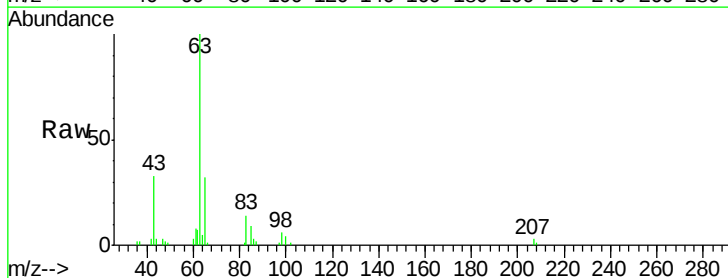
Tgt Ion: 63 Resp: 69665

Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

30000

25000

20000

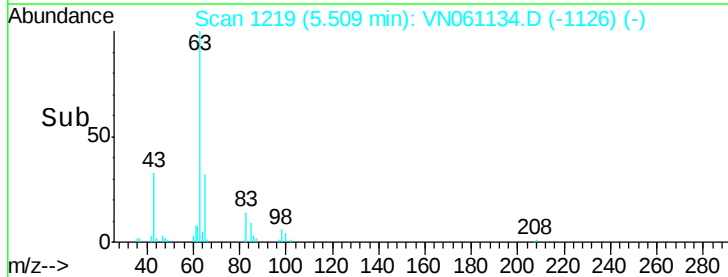
15000

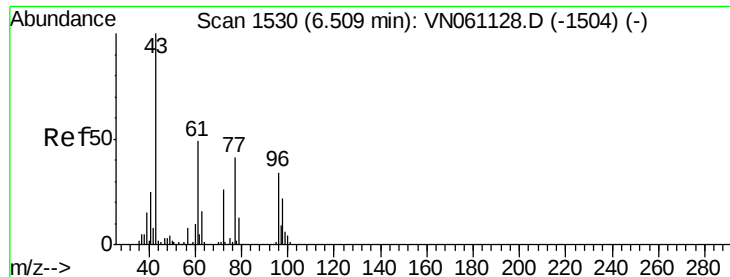
10000

5000

0

Time-->





#25

2-Butanone

Concen: 81.393 ug/l

RT: 6.51 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Tot Ion: 43 Resp: 112105

Ion Ratio Lower Upper

43 100

72 25.9 20.8 31.2

Instrument :

MSVOA_N

ClientSampleId :

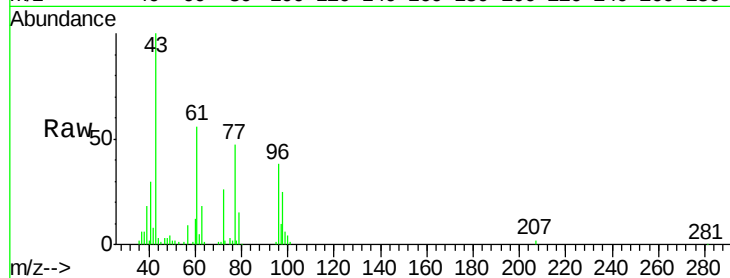
VN0422WBSD01

Manual Integrations

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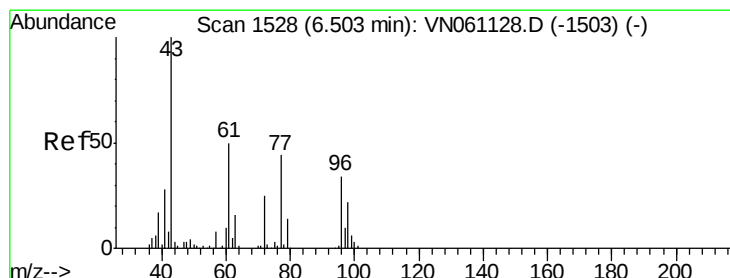
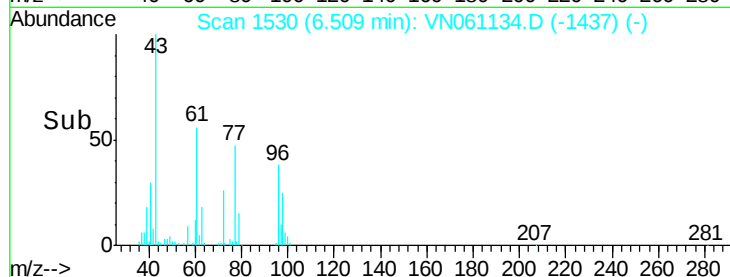
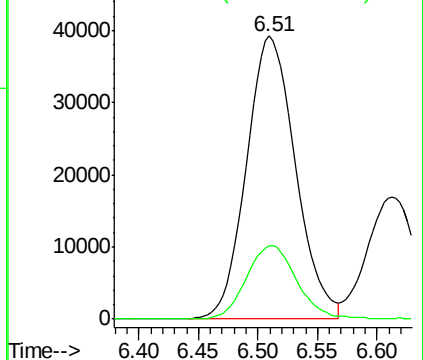
MMDadoda

4/23/2020 11:35:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.949 ug/l

RT: 6.50 min Scan# 1528

Delta R.T. -0.00 min

Lab File: VN061134.D

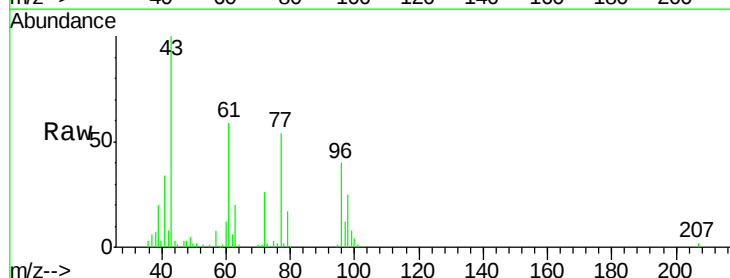
Acq: 22 Apr 2020 18:01

Tgt Ion: 77 Resp: 62363

Ion Ratio Lower Upper

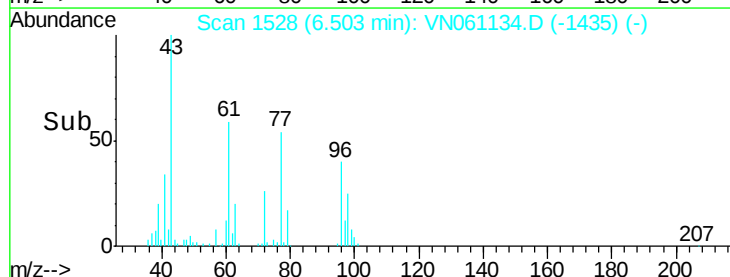
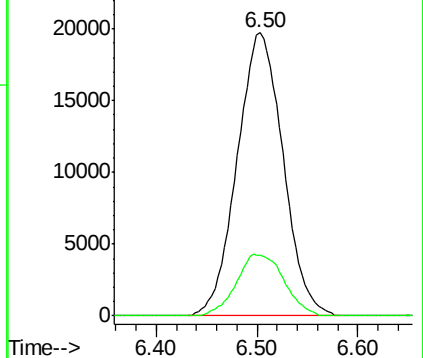
77 100

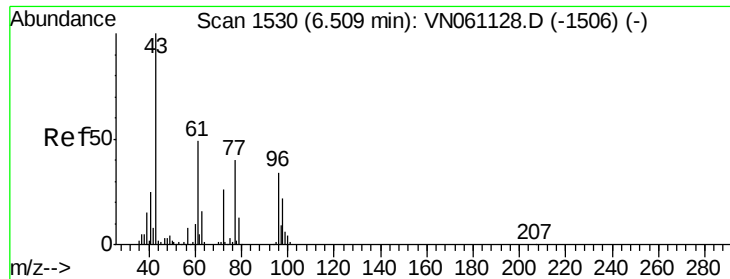
97 22.6 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





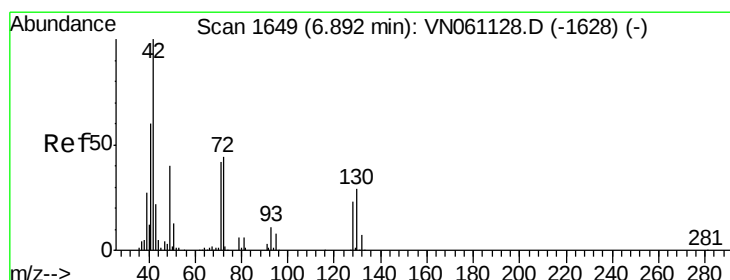
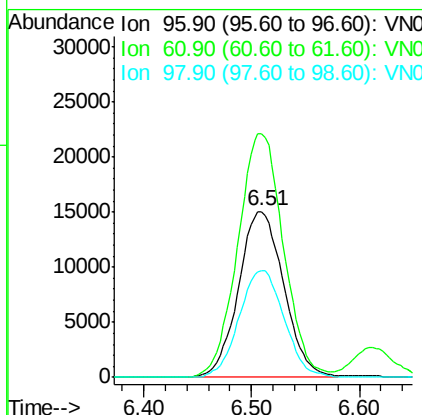
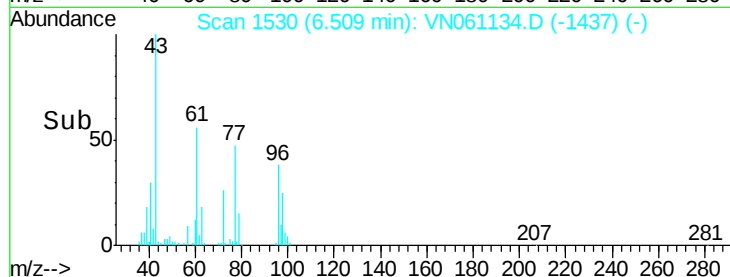
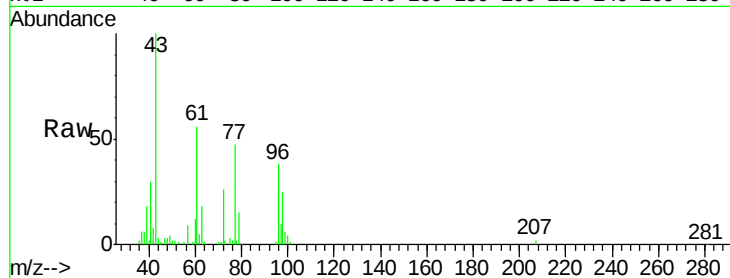
#27
 cis-1,2-Dichloroethene
 Concen: 17.352 ug/l
 RT: 6.51 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	300.4
98	63.8	0.0	129.6

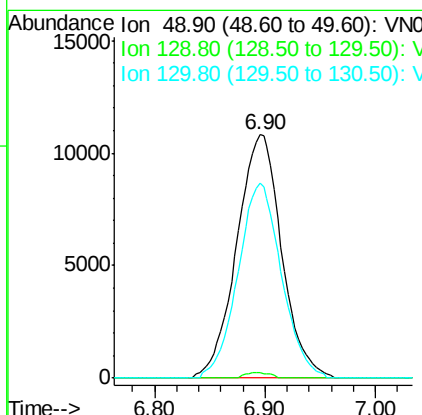
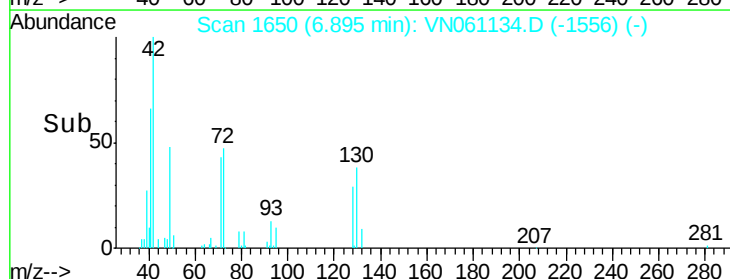
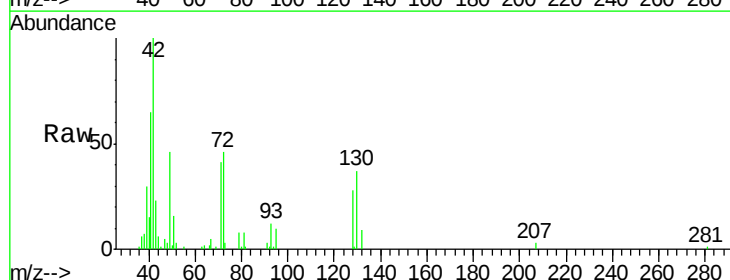
Manual Integrations
 APPROVED

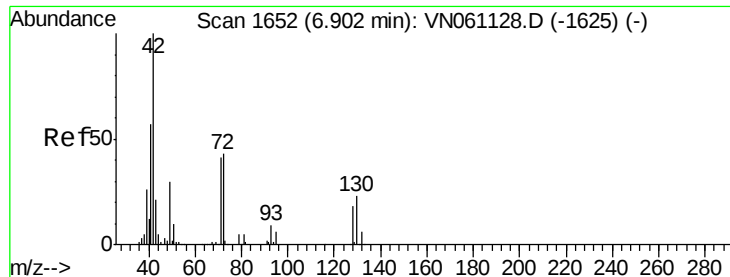
MMDadoda
 4/23/2020 11:35:46 AM



#28
 Bromochloromethane
 Concen: 18.425 ug/l
 RT: 6.90 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.2
130	77.5	59.7	89.5





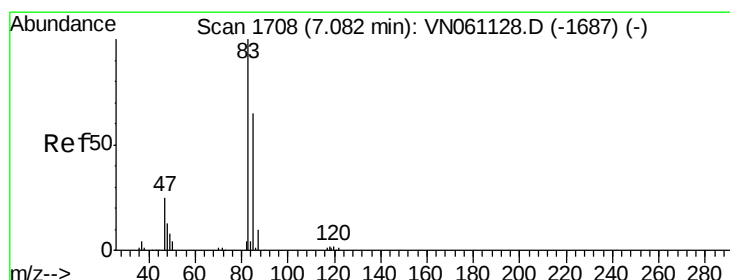
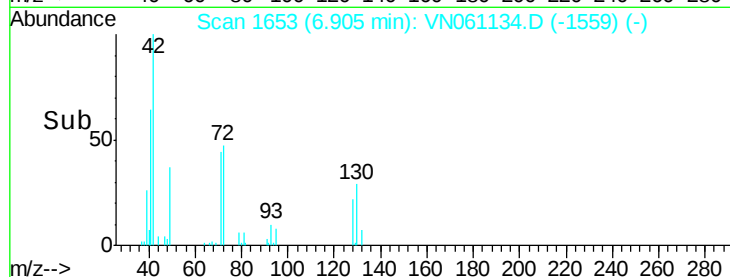
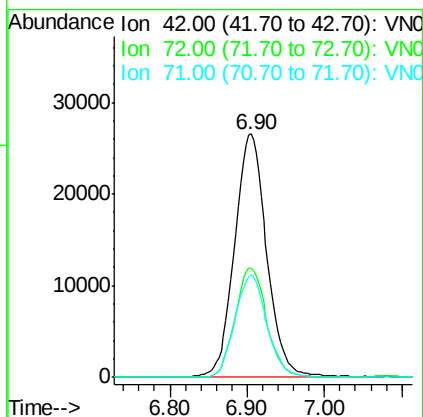
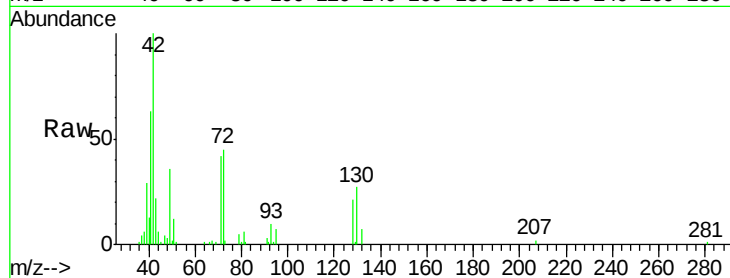
#29
Tetrahydrofuran
Concen: 80.696 ug/l
RT: 6.90 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.1	52.7
71	41.6	33.0	49.6

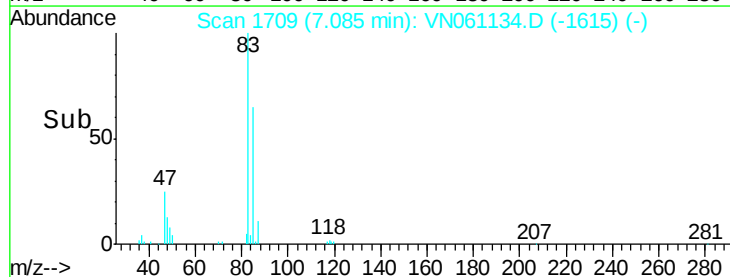
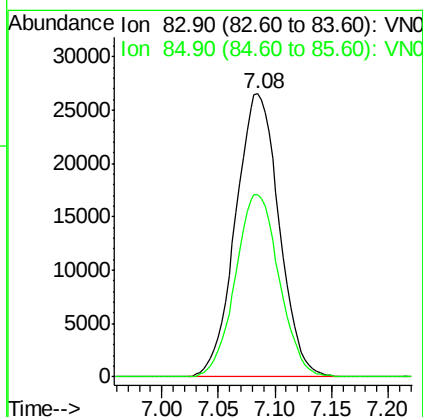
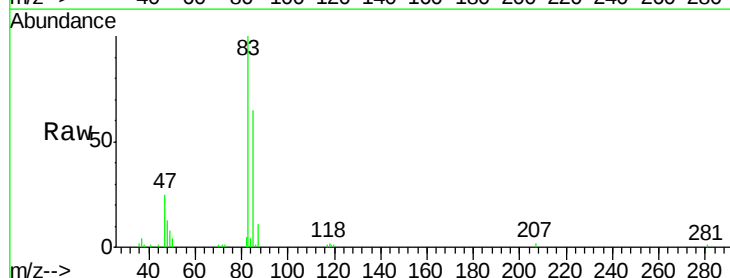
Manual Integrations
APPROVED

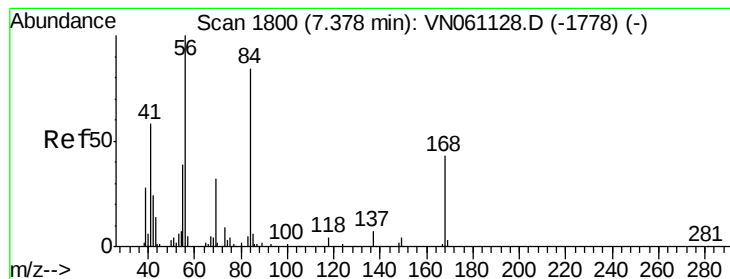
MMDadoda
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#30
Chloroform
Concen: 18.164 ug/l
RT: 7.08 min Scan# 1709
Delta R.T. 0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4





#31

Cyclohexane

Concen: 17.400 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

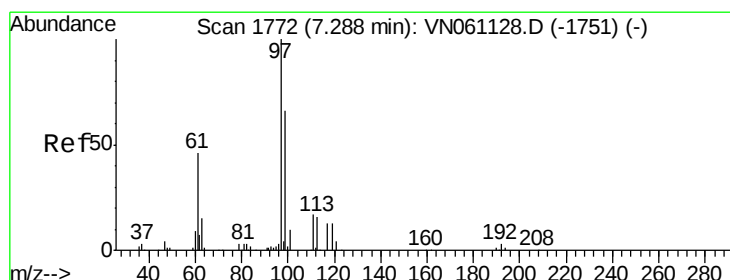
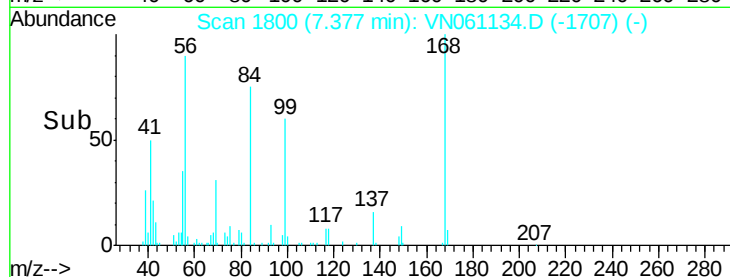
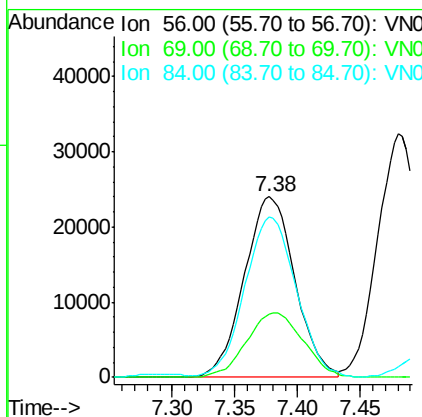
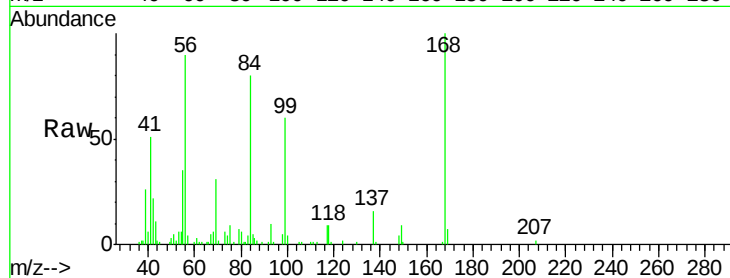
ClientSampleId :

VN0422WBSD01

Tot Ion:	56	Resp:	67518
Ion Ratio	Lower	Upper	
56	100		
69	34.9	25.9	38.9
84	87.7	67.4	101.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.978 ug/l

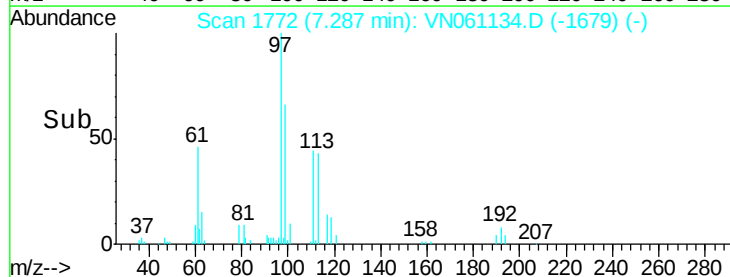
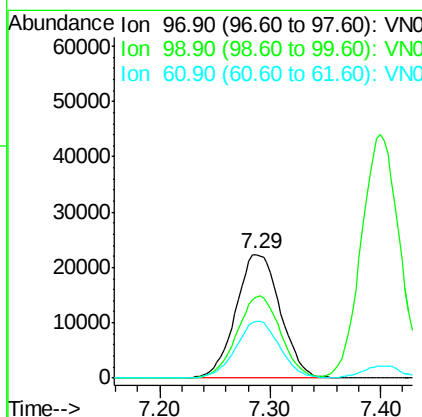
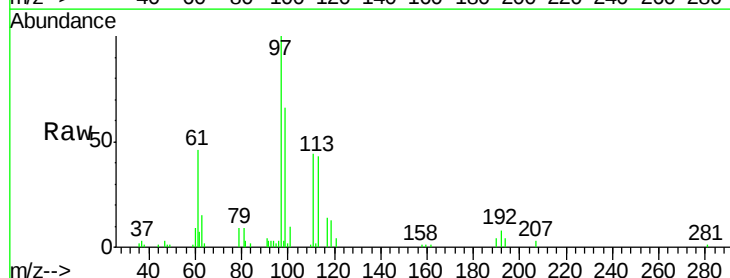
RT: 7.29 min Scan# 1772

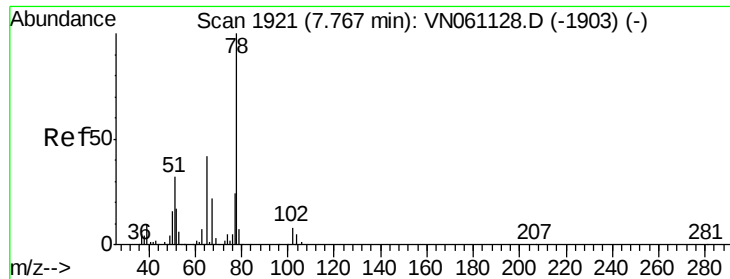
Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Tgt Ion:	97	Resp:	62559
Ion Ratio	Lower	Upper	
97	100		
99	64.7	52.0	78.0
61	45.0	35.9	53.9





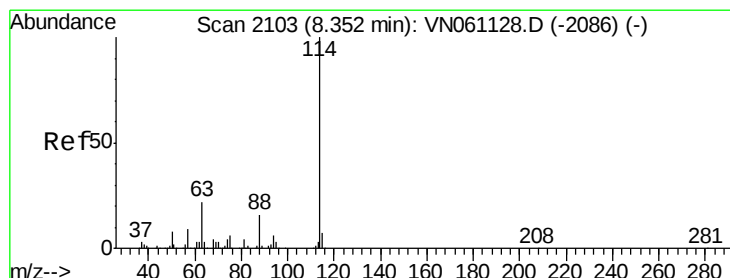
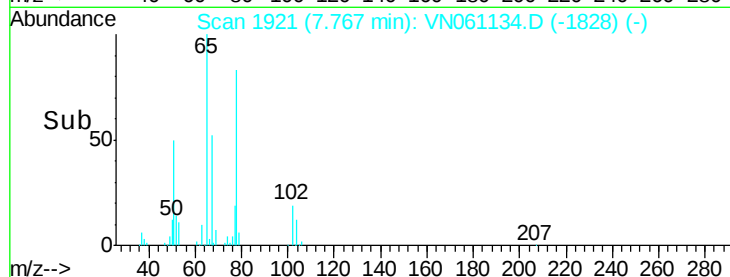
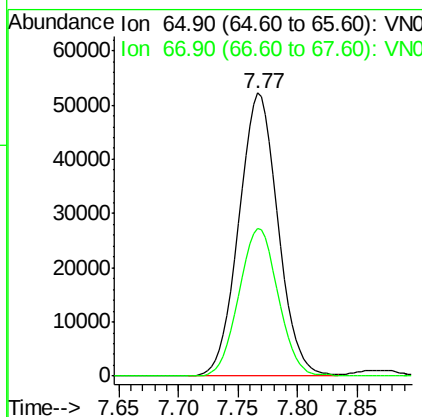
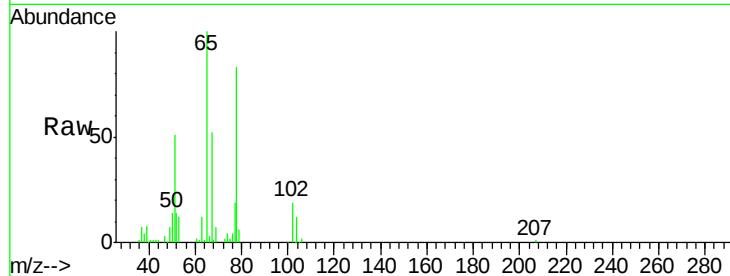
#33
 1,2-Dichloroethane-d4
 Concen: 47.107 ug/l
 RT: 7.77 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	105.8	

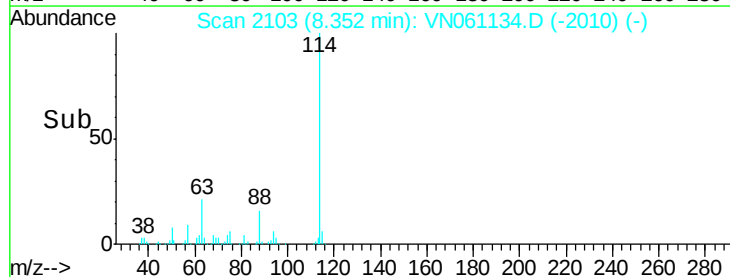
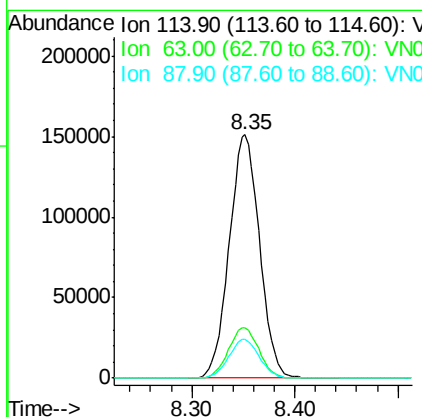
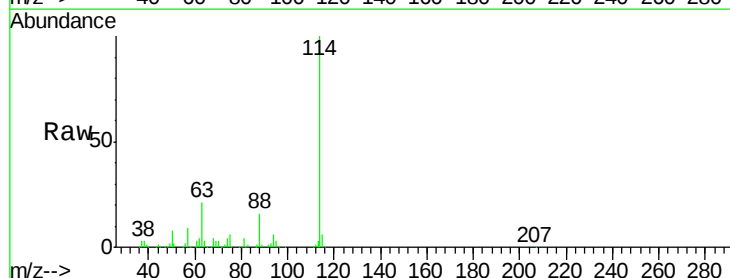
Manual Integrations
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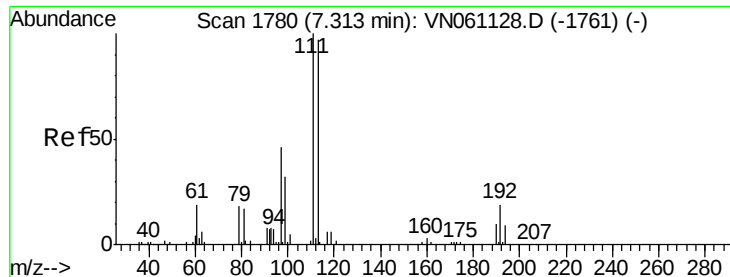
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 4/23/2020 11:35:46 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.35 min Scan# 2103
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.7	0.0	43.2	
88	15.9	0.0	32.4	





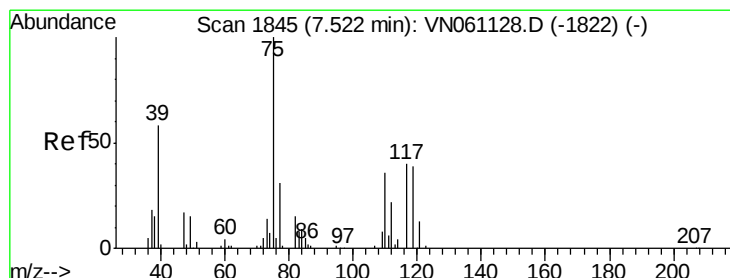
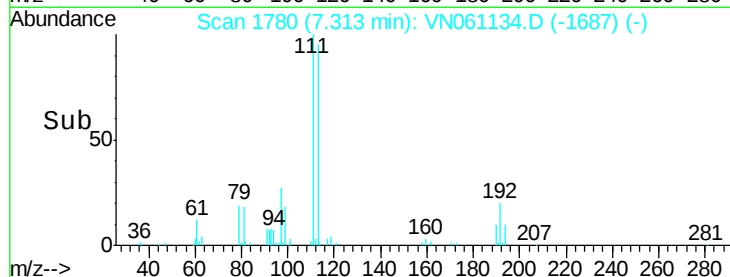
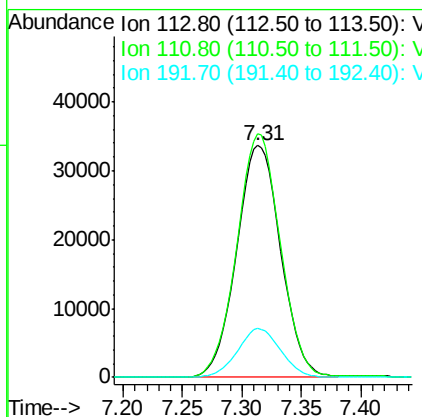
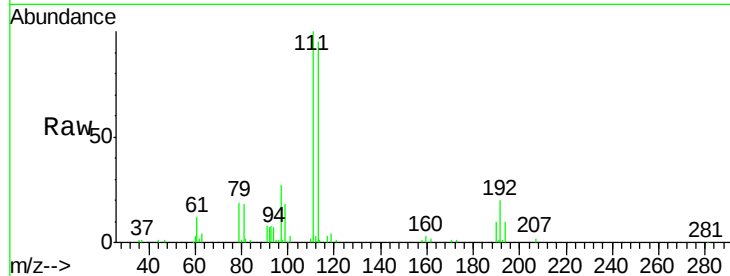
#35
 Dibromofluoromethane
 Concen: 49.031 ug/l
 RT: 7.31 min Scan# 1780
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.0	124.6
192	20.7	15.8	23.6

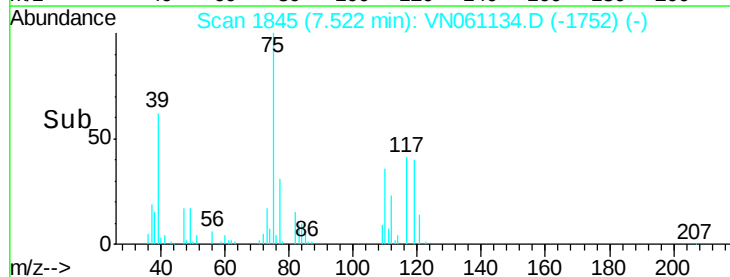
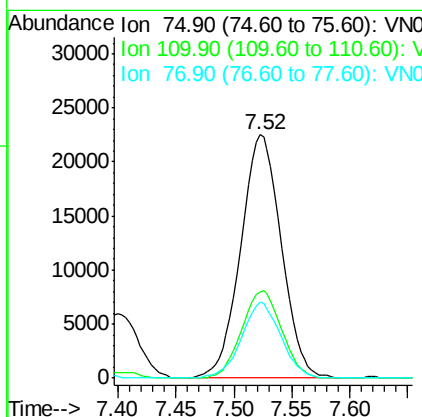
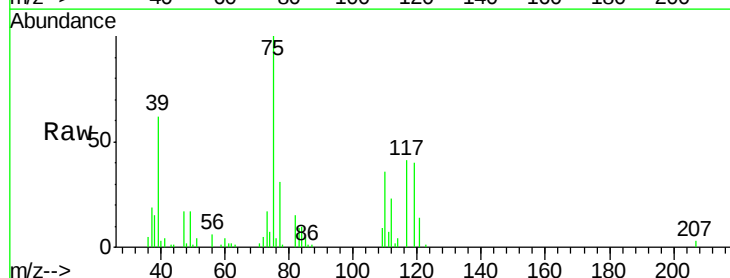
Manual Integrations
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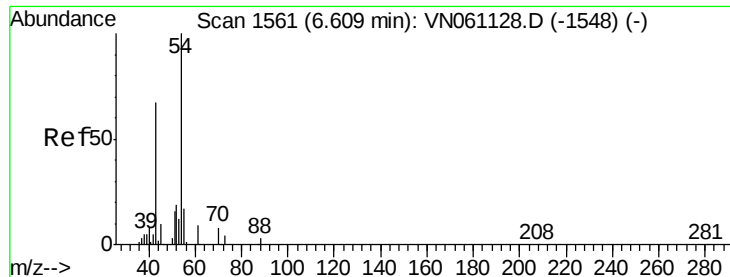
MMDadoda
 4/23/2020 11:35:46 AM



#36
 1,1-Dichloropropene
 Concen: 18.169 ug/l
 RT: 7.52 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.7	53.1
77	30.1	24.8	37.2





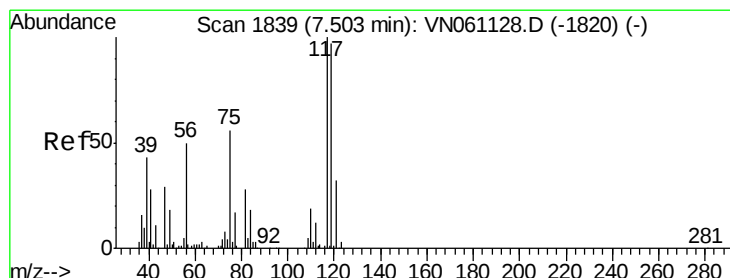
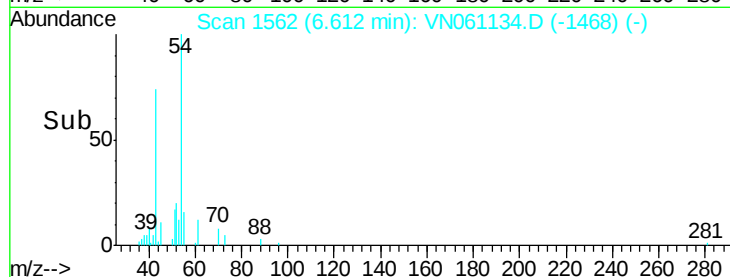
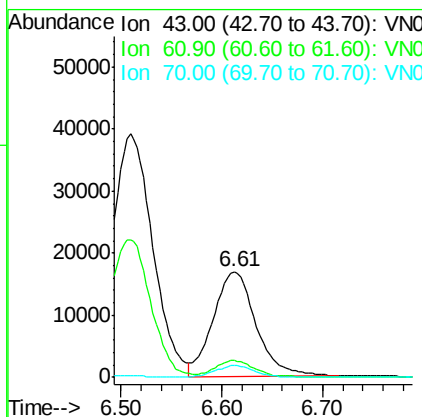
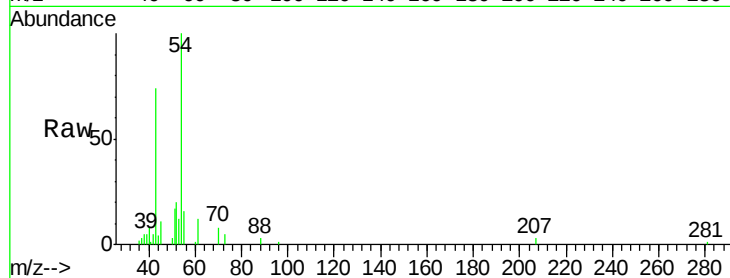
#37
Ethyl Acetate
Concen: 16.418 ug/l
RT: 6.61 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.4	17.0
70	10.1	8.2	12.4

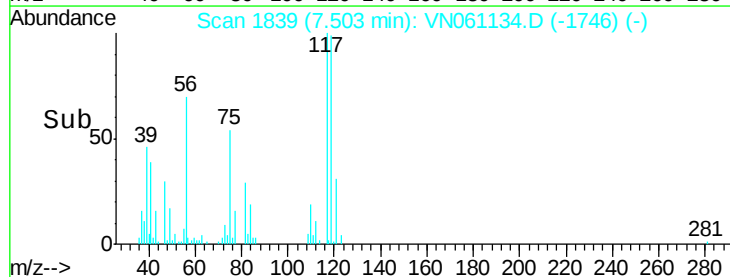
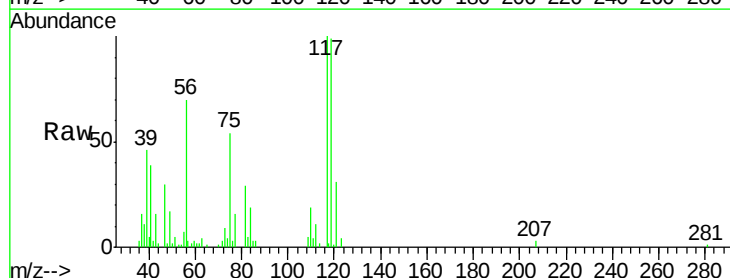
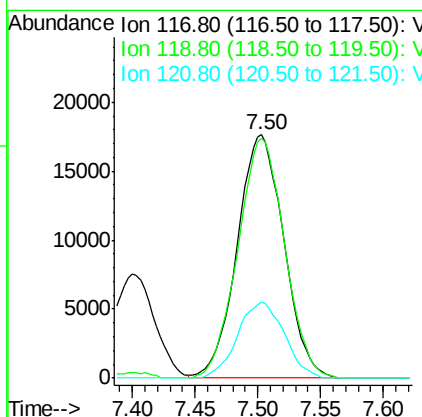
Manual Integrations
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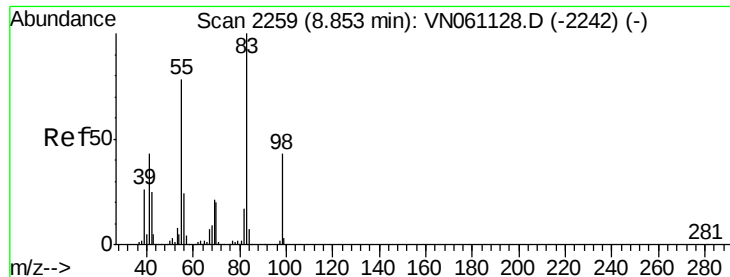
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4/23/2020 11:35:46 AM



#38
Carbon Tetrachloride
Concen: 17.229 ug/l
RT: 7.50 min Scan# 1839
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	76.9	115.3
121	31.0	25.0	37.6





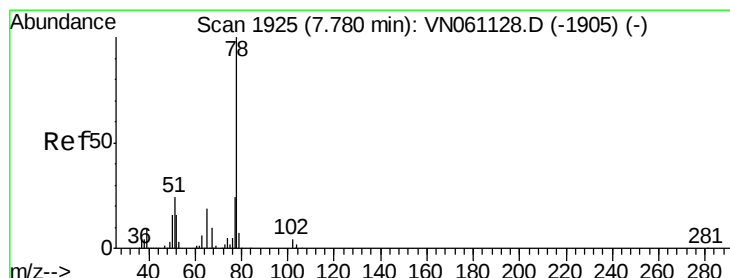
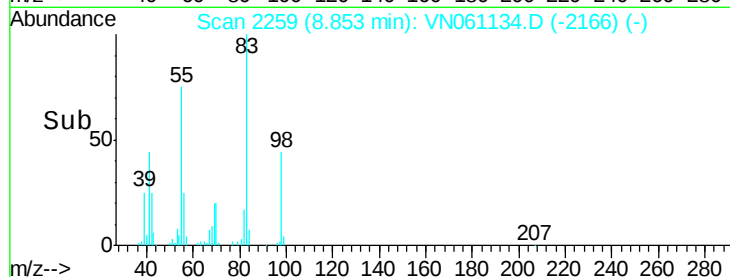
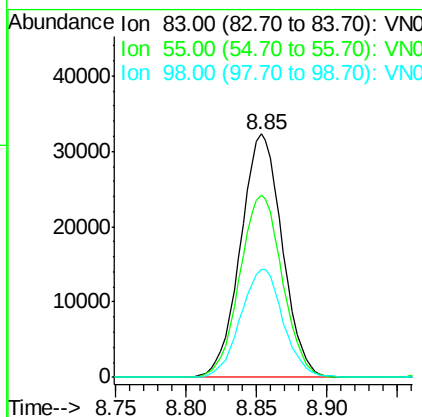
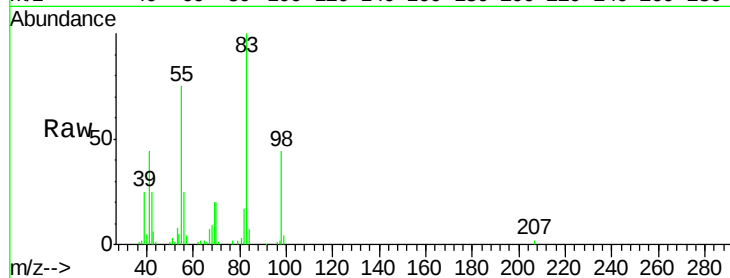
#39
Methvlcvclohexane
Concen: 18.060 ug/l
RT: 8.85 min Scan# 2259
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	62.2	93.4
98	44.4	34.7	52.1

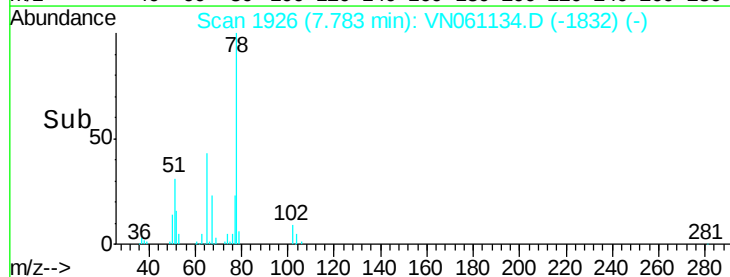
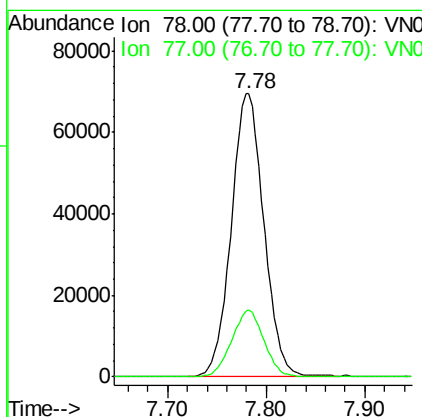
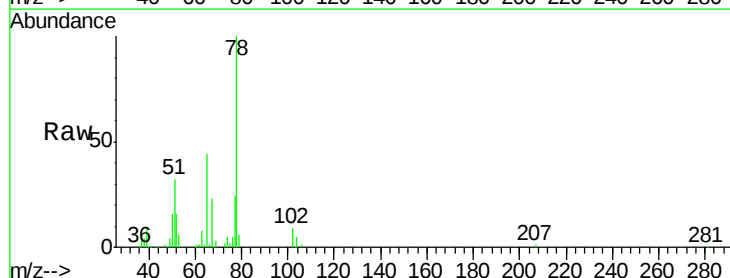
Manual Integrations
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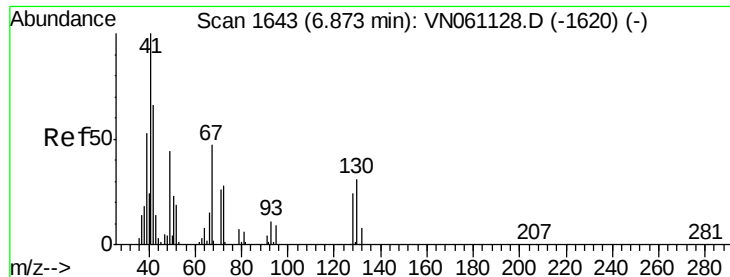
MMDadoda
4/23/2020 11:35:46 AM



#40
Benzene
Concen: 17.846 ug/l
RT: 7.78 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





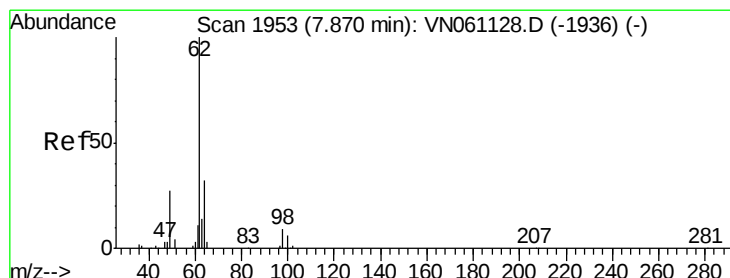
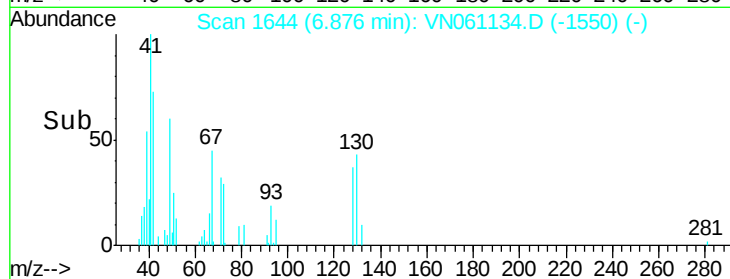
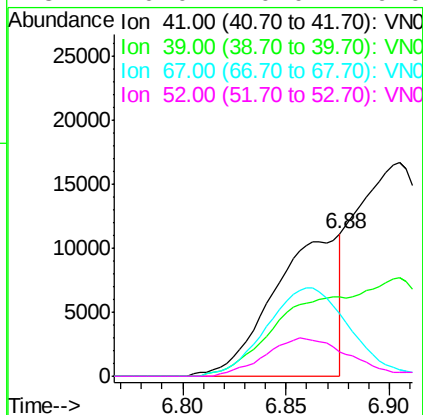
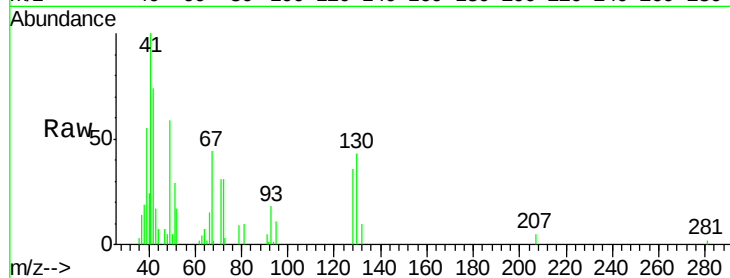
#41
Methacrylonitrile
Concen: 17.172 ug/l m
RT: 6.88 min Scan# 1644
Delta R.T. 0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	41	Resp	24686
Ion	Ratio	Lower	Upper
41	100		
39	146.2	119.4	179.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

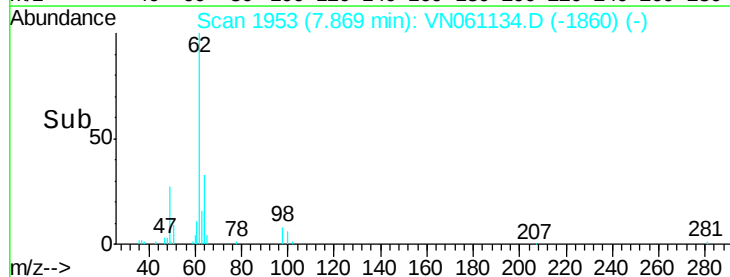
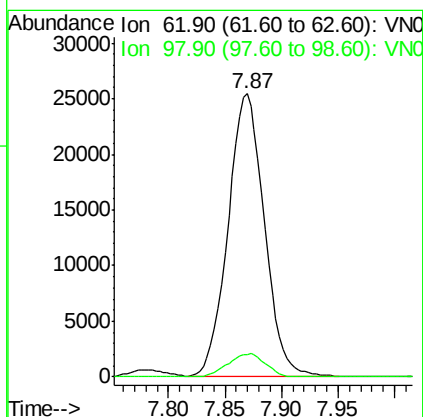
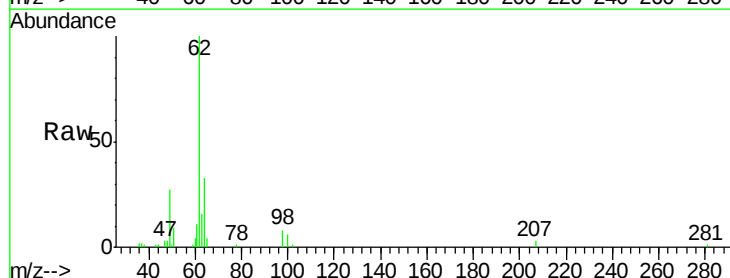
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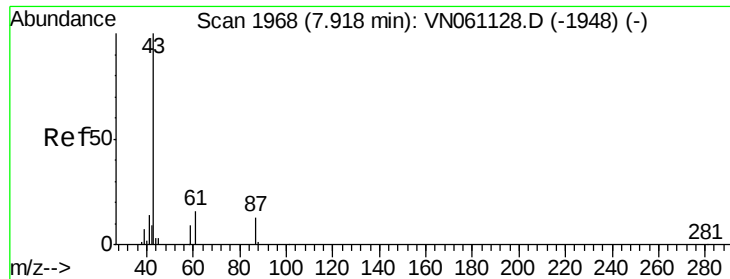
MMDadoda
4/23/2020 11:35:46 AM



#42
1,2-Dichloroethane
Concen: 17.913 ug/l
RT: 7.87 min Scan# 1953
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	62	Resp	57103
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0





#43

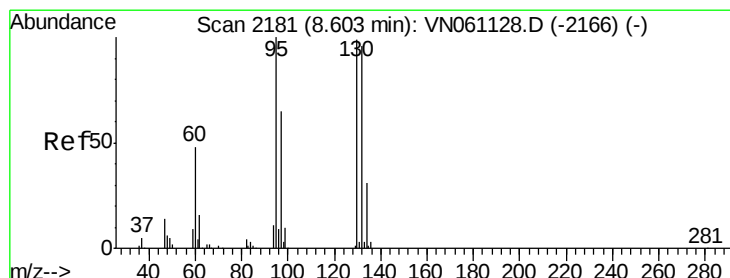
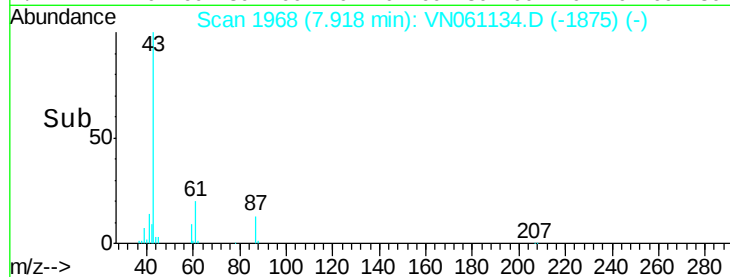
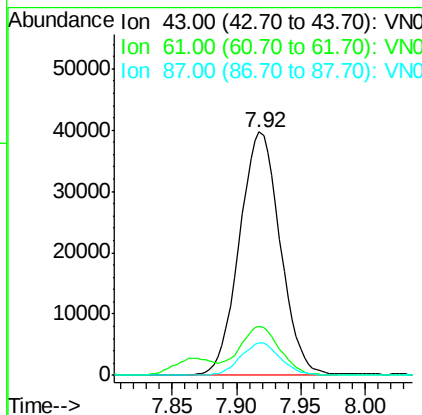
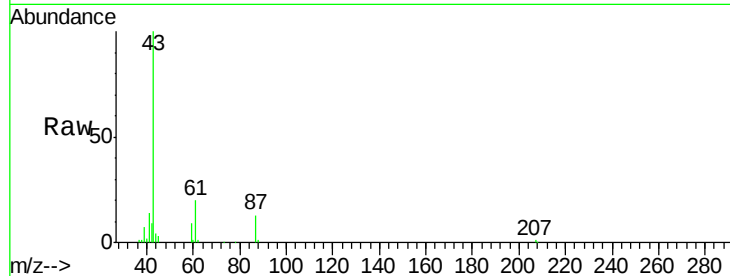
Isopropyl Acetate
 Concen: 17.033 ug/l
 RT: 7.92 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.5	23.3
87	12.9	10.2	15.4

Manual Integrations
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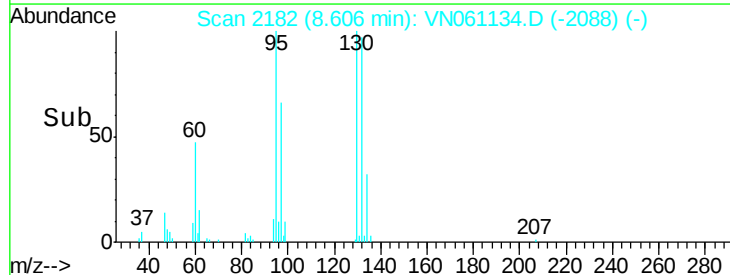
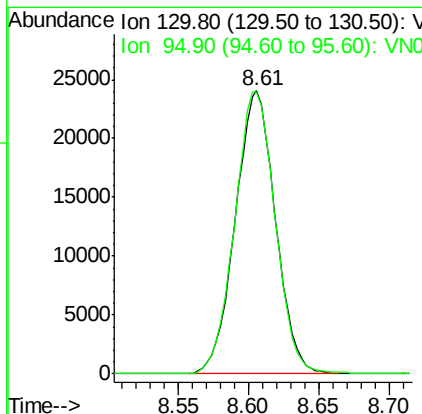
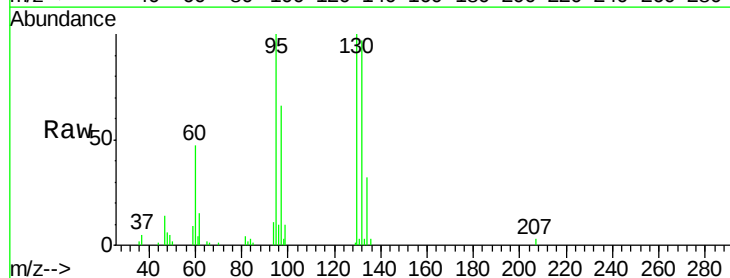
MMDadoda
 4/23/2020 11:35:46 AM

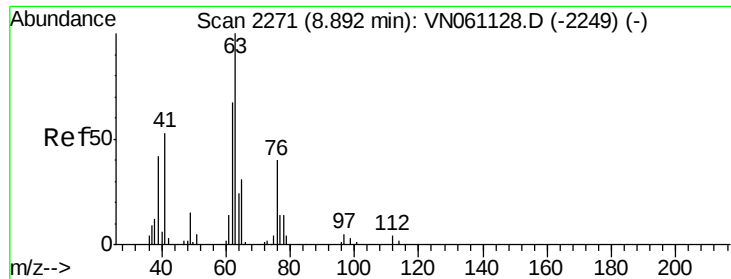


#44

Trichloroethene
 Concen: 18.403 ug/l
 RT: 8.61 min Scan# 2182
 Delta R.T. 0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	202.6





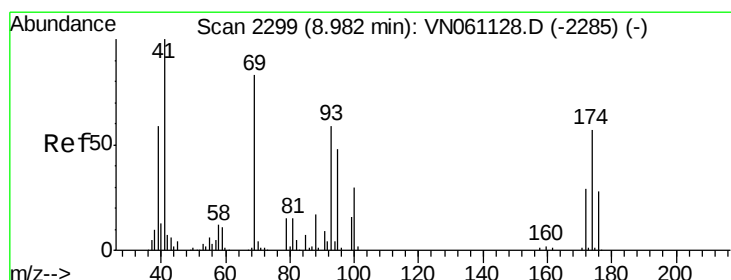
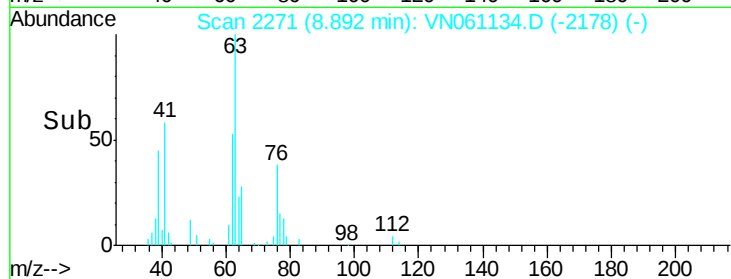
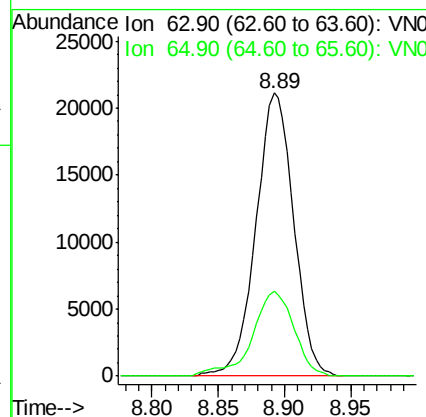
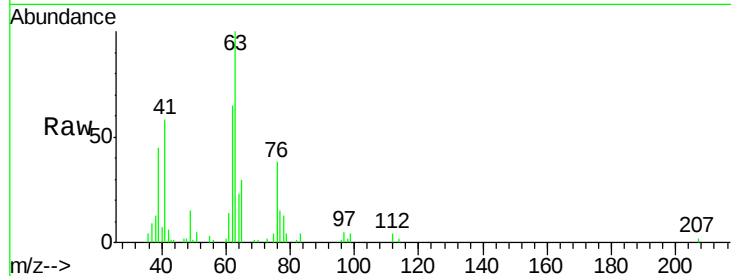
#45
 1,2-Dichloropropane
 Concen: 17.671 ug/l
 RT: 8.89 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Tot Ion: 63 Resp: 41827
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.7 37.1

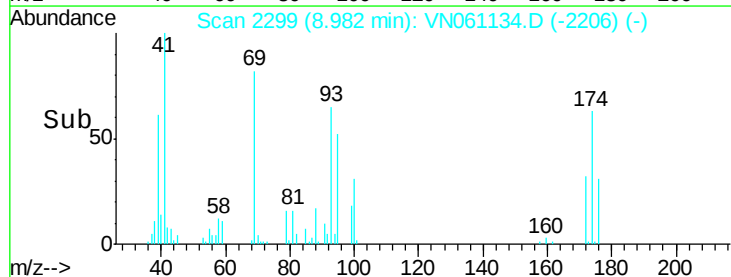
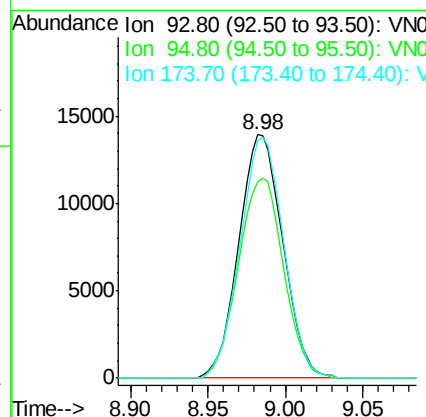
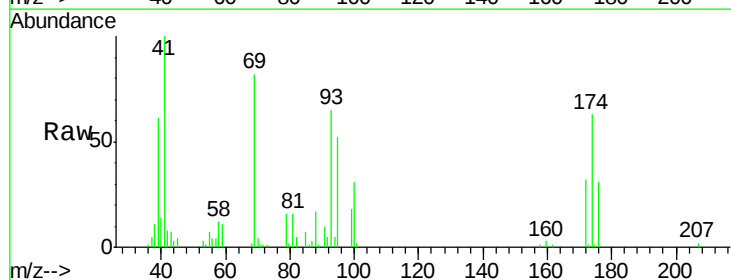
Manual Integrations
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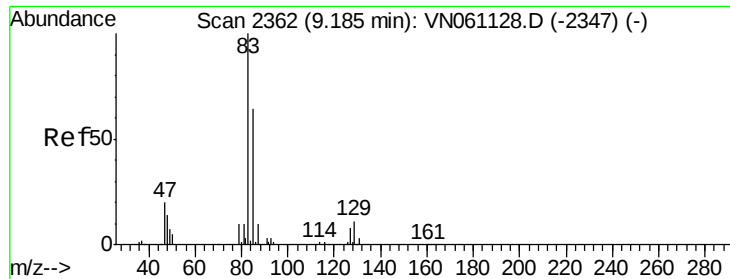
MMDadoda
 4/23/2020 11:35:46 AM



#46
 Dibromomethane
 Concen: 18.168 ug/l
 RT: 8.98 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Tgt Ion: 93 Resp: 27557
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.0 97.4
 174 98.2 77.8 116.6





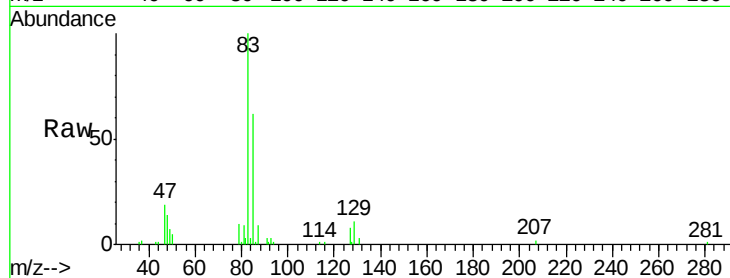
#47
Bromodichloromethane
Concen: 18.457 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.4	77.2
127	8.3	6.6	10.0

Manual Integrations
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MMDadoda
4/23/2020 11:35:46 AM

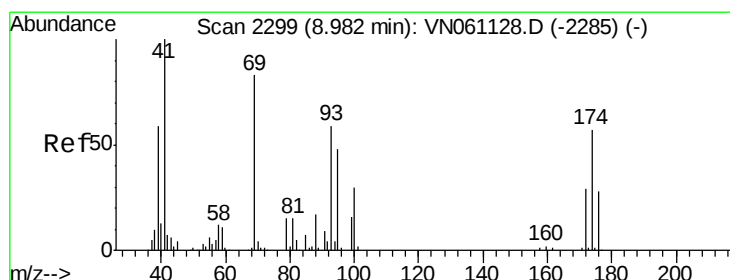
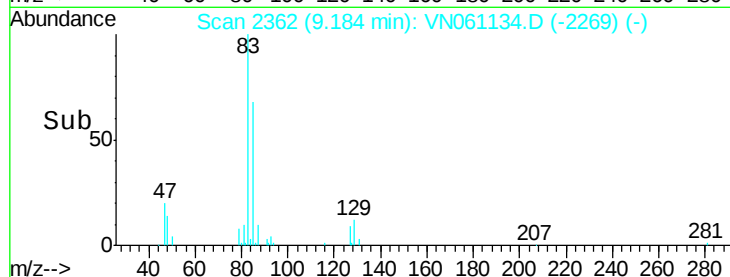
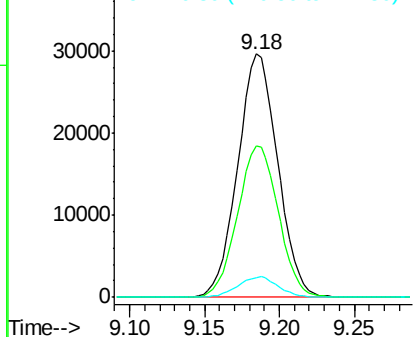


Abundance

Ion 82.90 (82.60 to 83.60): VN061134.D (-2269) (-)

Ion 84.90 (84.60 to 85.60): VN061134.D (-2269) (-)

Ion 126.80 (126.50 to 127.50): VN061134.D (-2269) (-)



#48
Methyl methacrylate
Concen: 16.093 ug/l
RT: 8.98 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

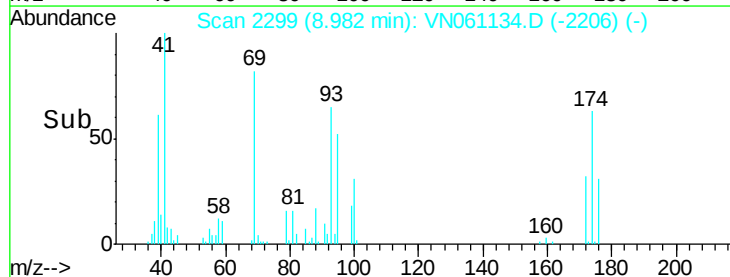
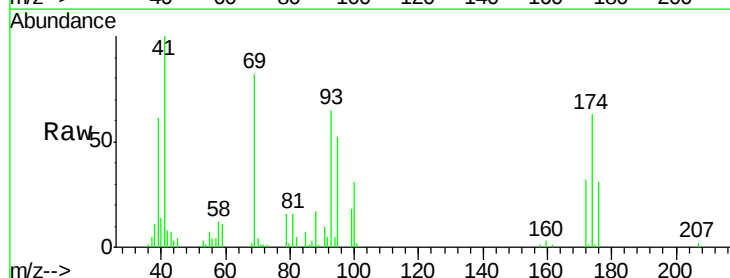
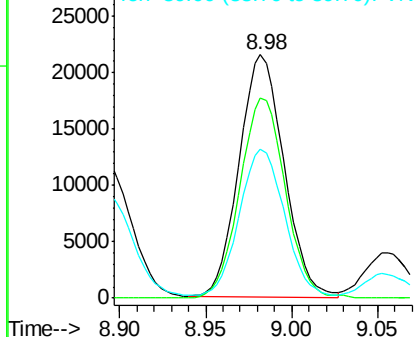
Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.7	65.4	98.2
39	63.0	47.8	71.6

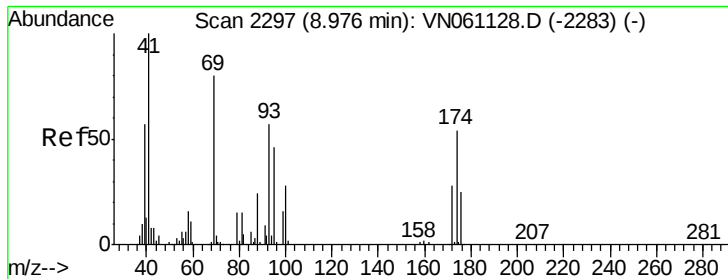
Abundance

Ion 41.00 (40.70 to 41.70): VN061134.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061134.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061134.D (-2206) (-)





#49

1,4-Dioxane

Concen: 270.890 ug/l

RT: 8.98 min Scan# 2298

Delta R.T. 0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

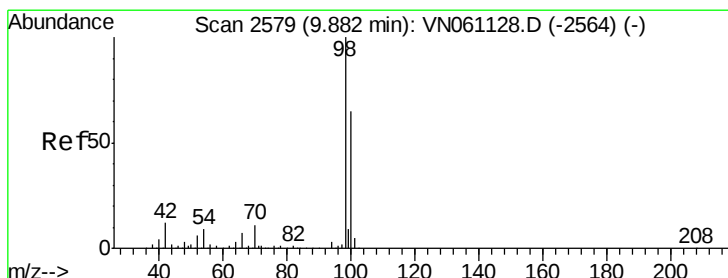
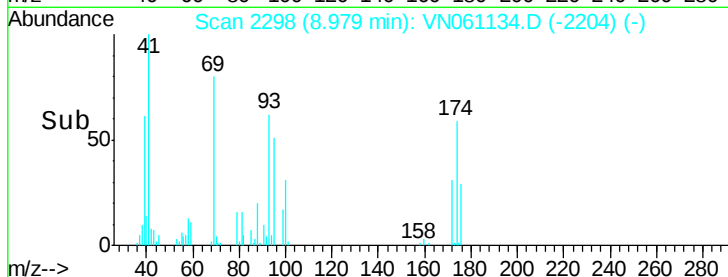
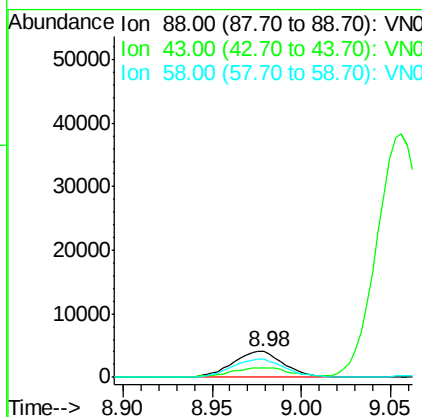
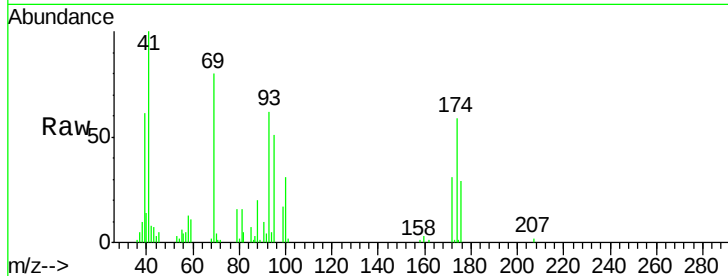
ClientSampleId :

VN0422WBSD01

Tot Ion:	88	Resp:	8214
Ion	Ratio	Lower	Upper
88	100		
43	42.9	29.0	43.4
58	70.3	57.8	86.6

Manual Integrations
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#50

Toluene-d8

Concen: 47.383 ug/l

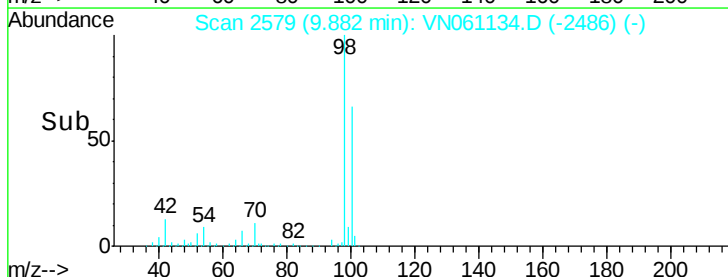
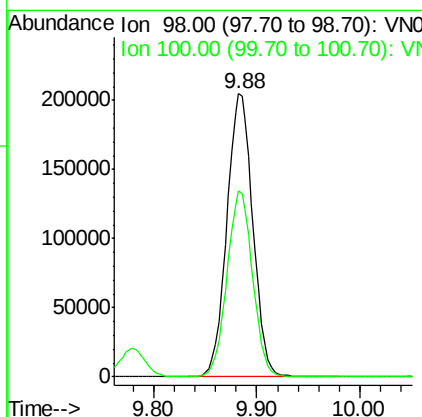
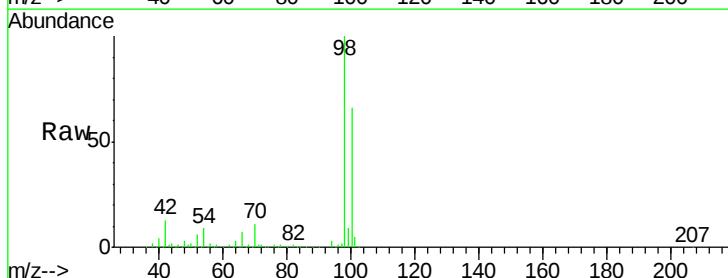
RT: 9.88 min Scan# 2579

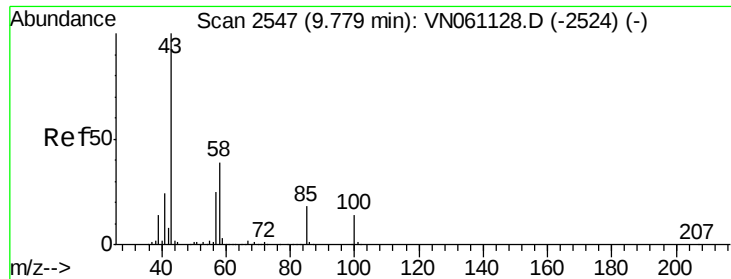
Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Tgt Ion:	98	Resp:	358220
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 82.602 ug/l

RT: 9.78 min Scan# 2547

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 43 Resp: 247953

Ion Ratio Lower Upper

43 100

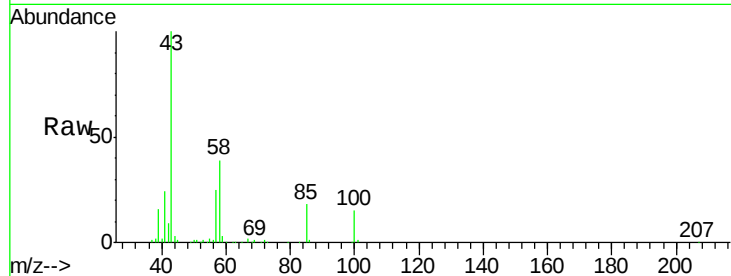
58 39.3 31.0 46.6

Manual Integrations

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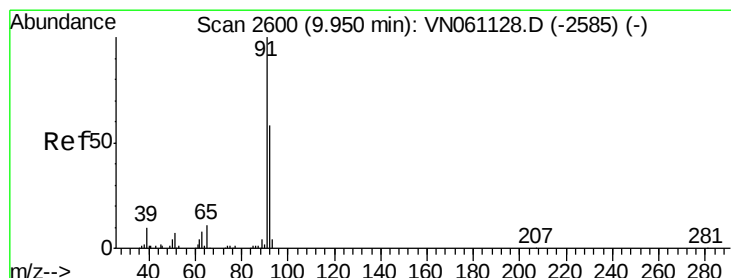
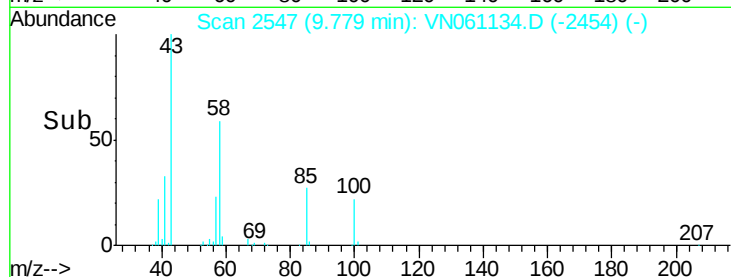
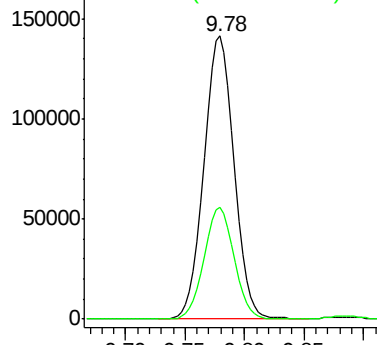
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4/23/2020 11:35:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 17.779 ug/l

RT: 9.95 min Scan# 2600

Delta R.T. -0.00 min

Lab File: VN061134.D

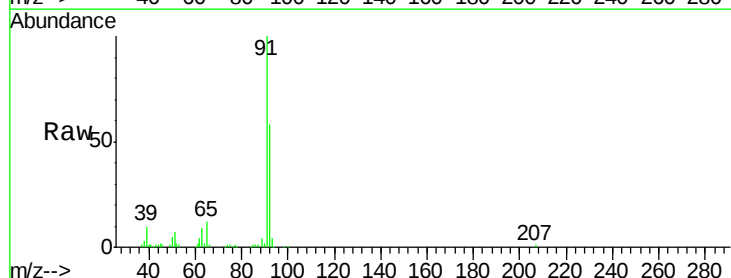
Acq: 22 Apr 2020 18:01

Tgt Ion: 92 Resp: 99570

Ion Ratio Lower Upper

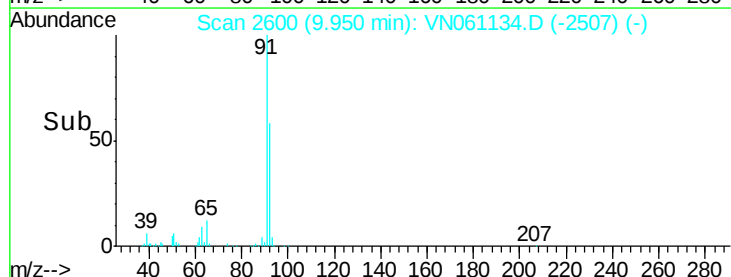
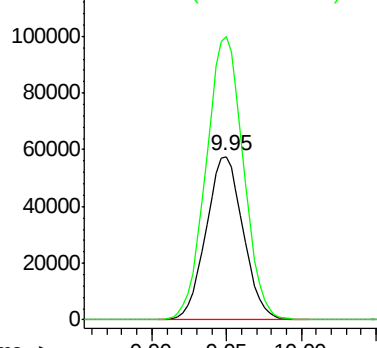
92 100

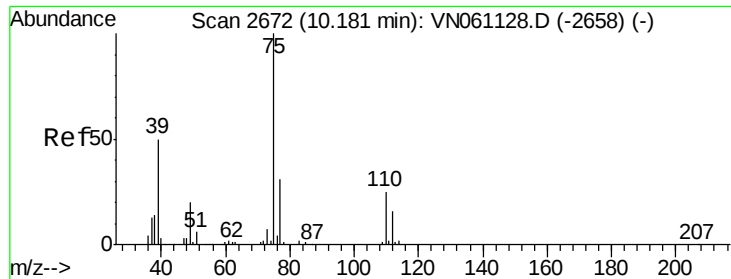
91 174.1 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





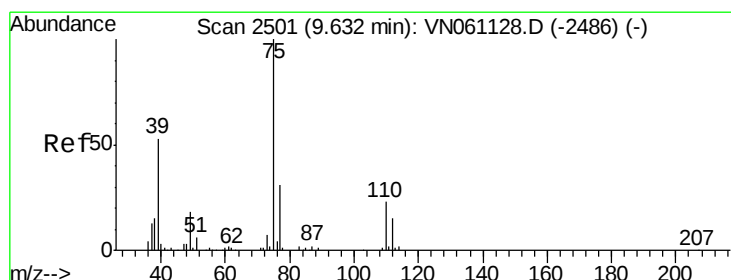
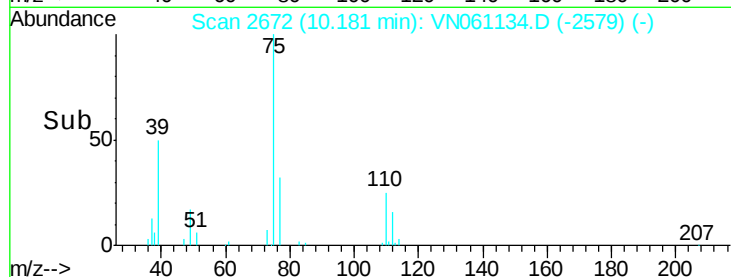
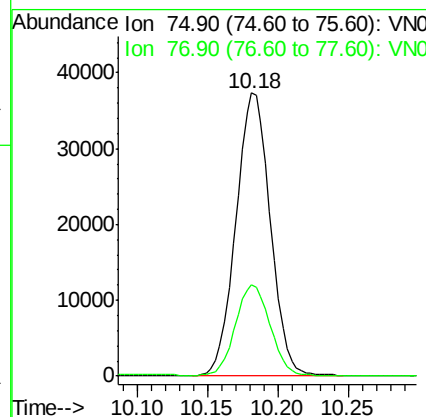
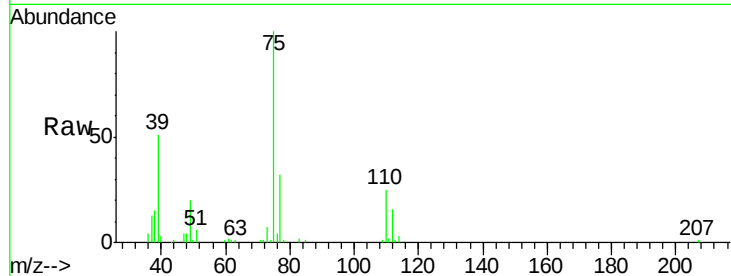
#53
t-1,3-Dichloropropene
Concen: 17.459 ug/l
RT: 10.18 min Scan# 2672
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion: 75 Resp: 63877
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7

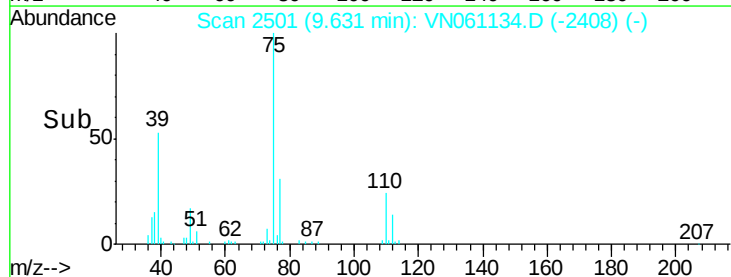
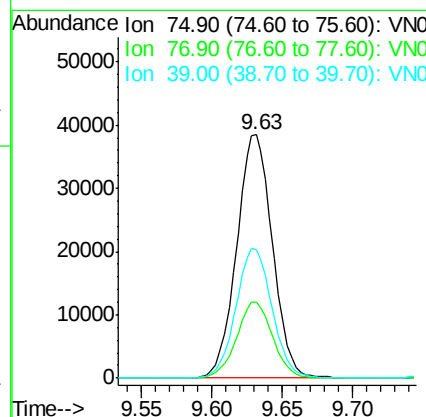
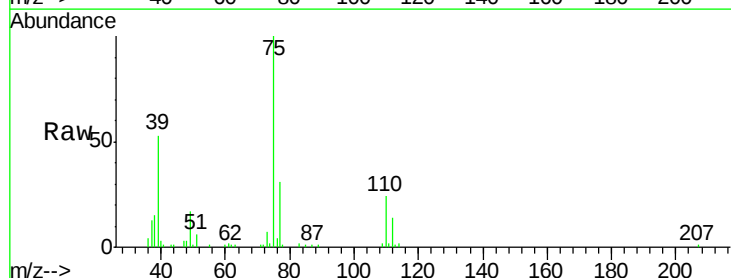
Manual Integrations
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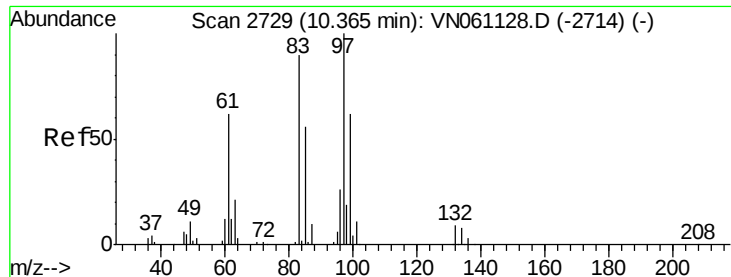
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4/23/2020 11:35:46 AM



#54
cis-1,3-Dichloropropene
Concen: 17.937 ug/l
RT: 9.63 min Scan# 2501
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion: 75 Resp: 68271
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8
39 52.8 42.1 63.1





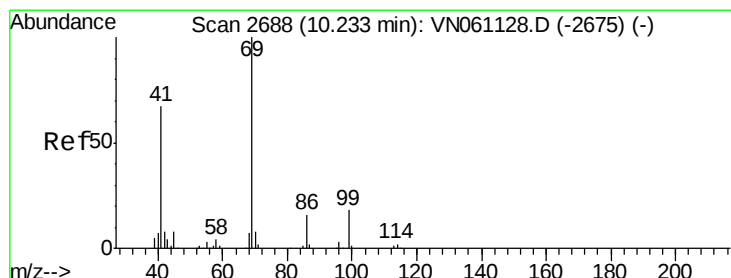
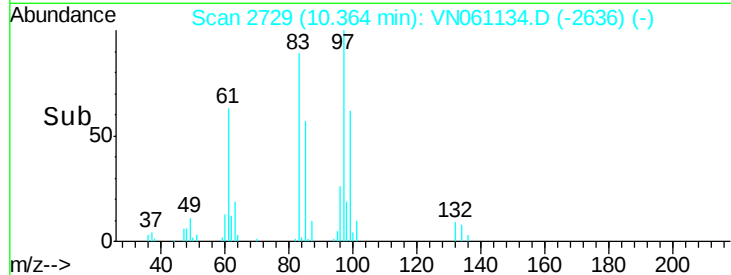
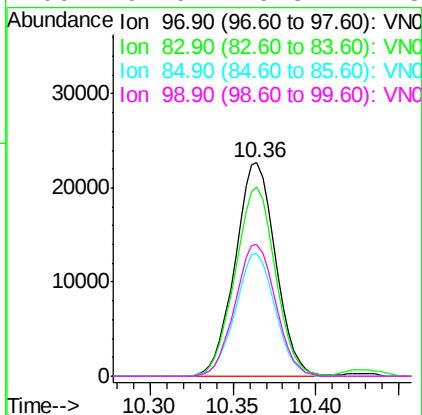
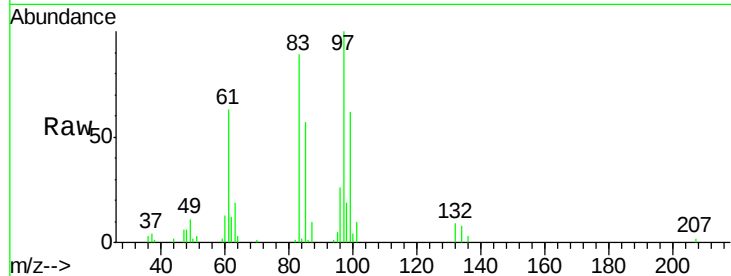
#55
 1,1,2-Trichloroethane
 Concen: 17.914 ug/l
 RT: 10.36 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Tot Ion:	97	Resp:	38655
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.8	107.6
85	57.3	45.0	67.6
99	61.9	49.8	74.8

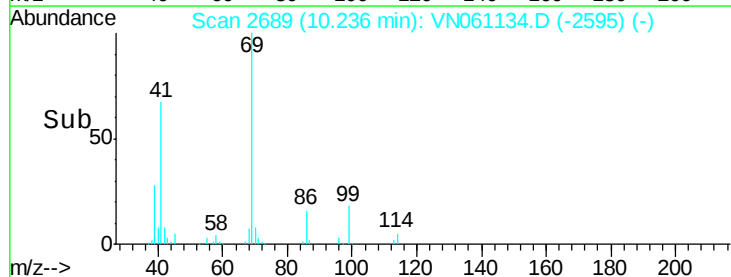
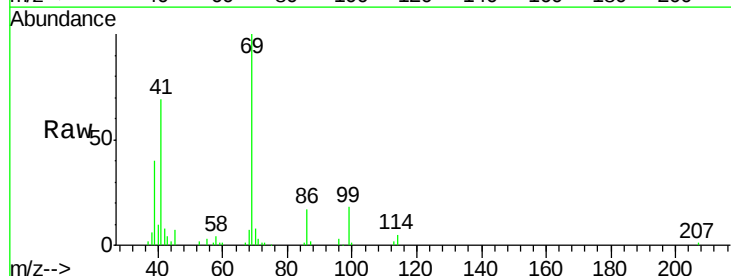
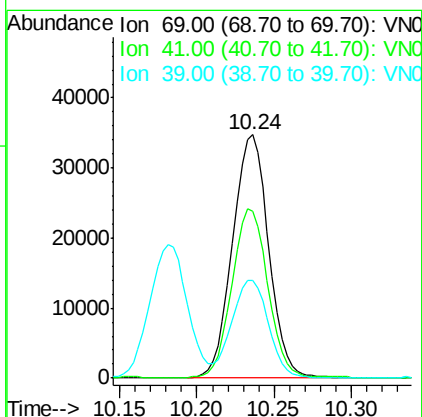
Manual Integrations
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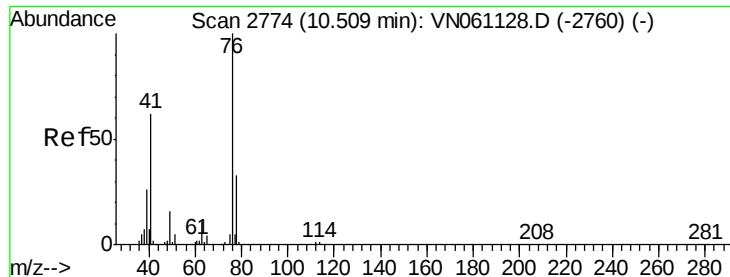
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#56
 Ethyl methacrylate
 Concen: 17.137 ug/l
 RT: 10.24 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Tgt Ion:	69	Resp:	56347
Ion	Ratio	Lower	Upper
69	100		
41	69.4	54.0	81.0
39	40.8	31.4	47.0





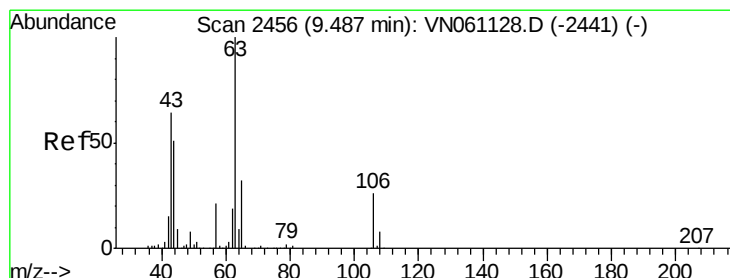
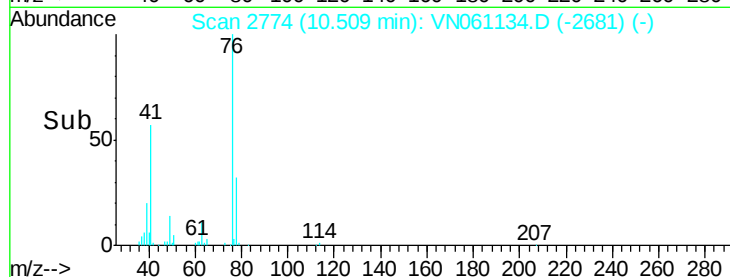
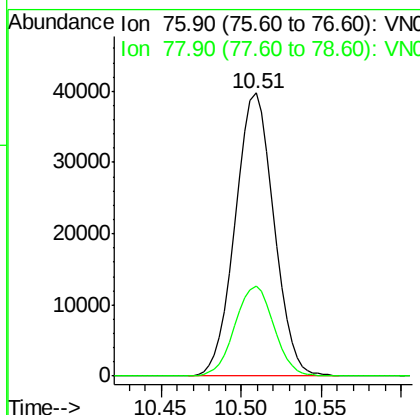
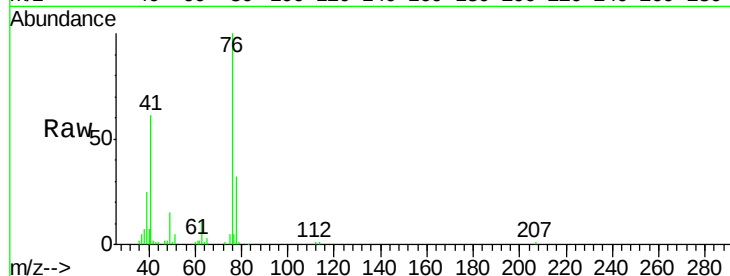
#57
 1,3-Dichloropropane
 Concen: 17.871 ug/l
 RT: 10.51 min Scan# 2774
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.1	39.1

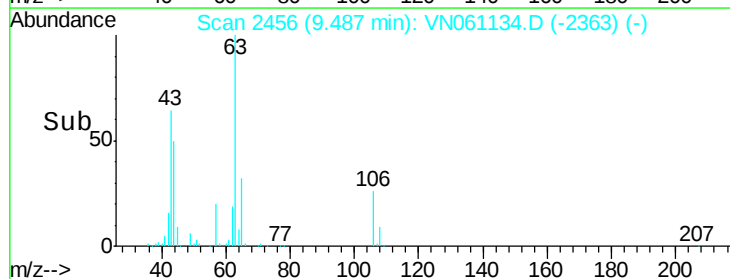
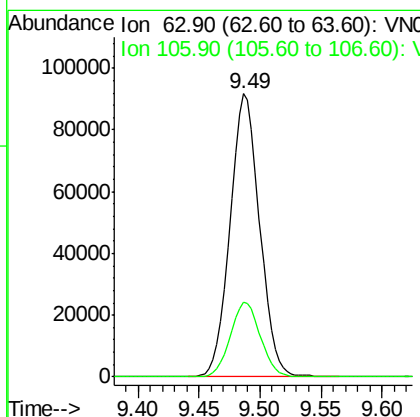
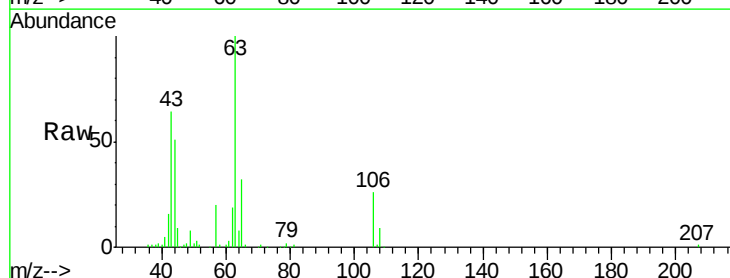
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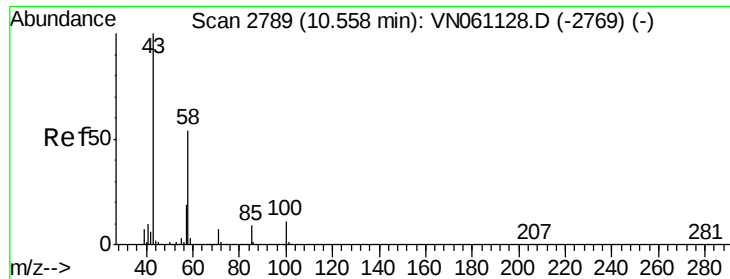
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 91.457 ug/l
 RT: 9.49 min Scan# 2456
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9





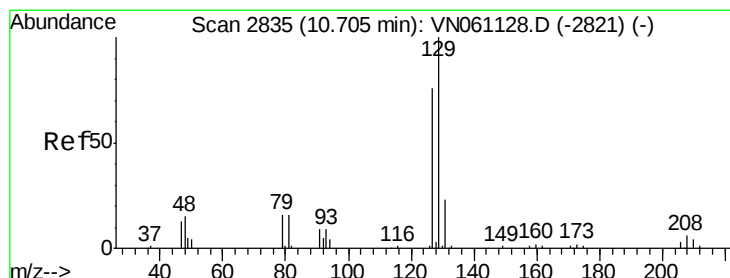
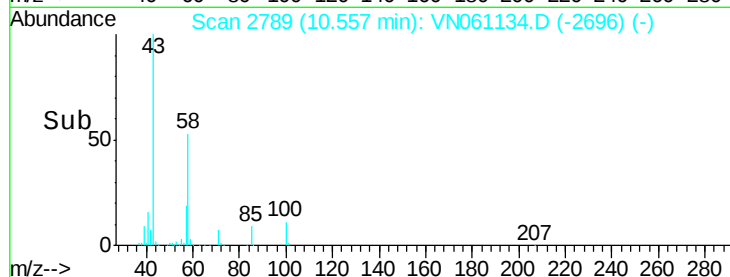
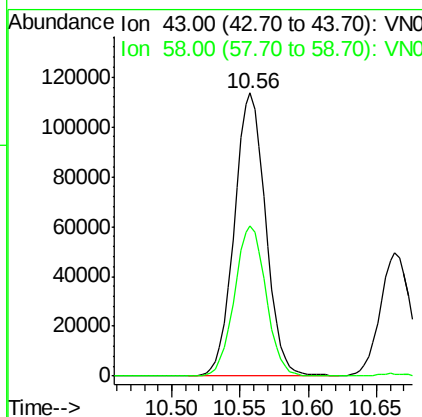
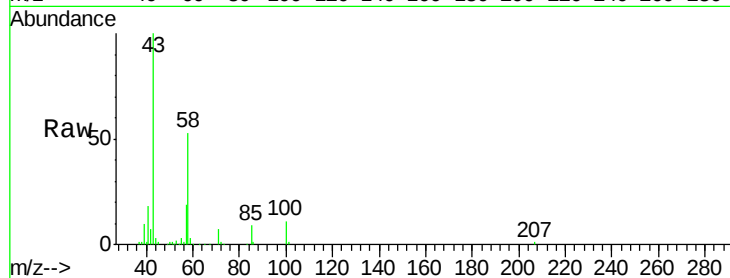
#59
2-Hexanone
Concen: 81.146 ug/l
RT: 10.56 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	43	Resp	179948
Ion Ratio	43	100	
Lower	58	53.8	26.9
Upper			80.6

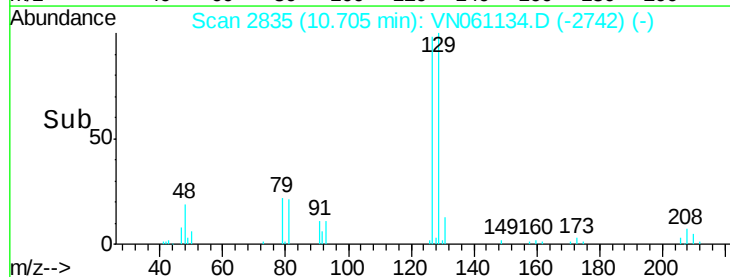
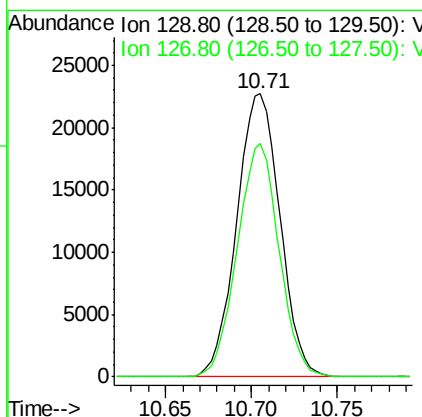
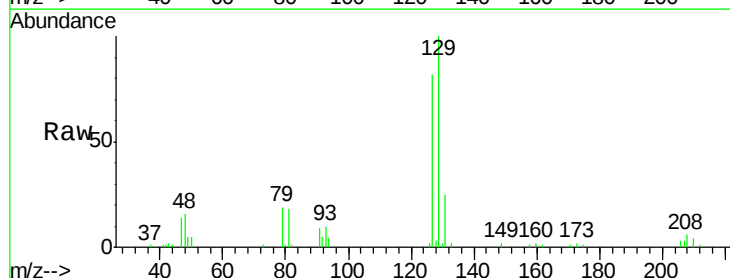
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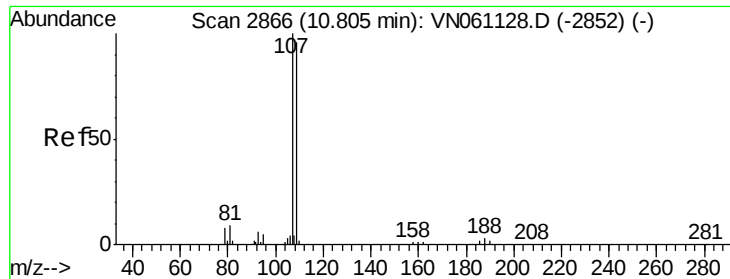
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#60
Dibromochloromethane
Concen: 17.642 ug/l
RT: 10.71 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	129	Resp	39806
Ion Ratio	129	100	
Lower	127	79.4	38.4
Upper			115.2





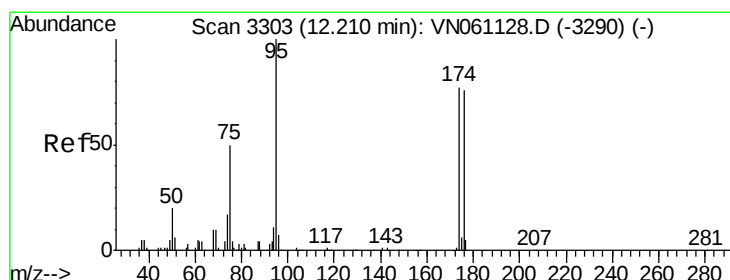
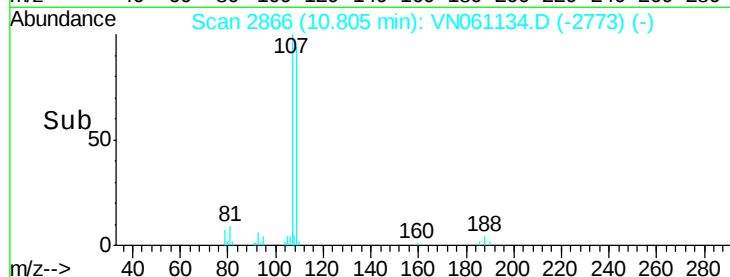
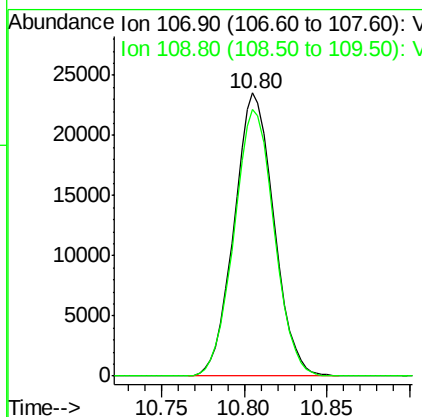
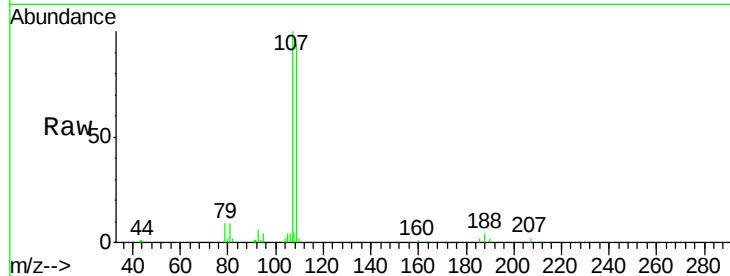
#61
 1,2-Dibromoethane
 Concen: 17.636 ug/l
 RT: 10.80 min Scan# 2866
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.0	114.0

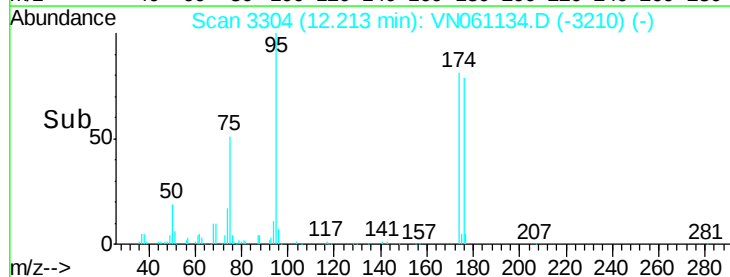
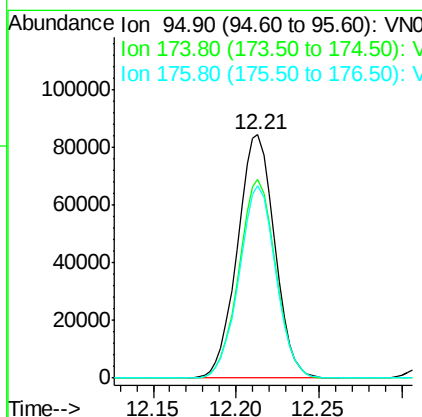
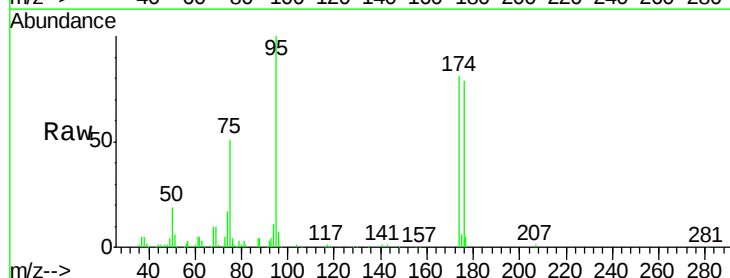
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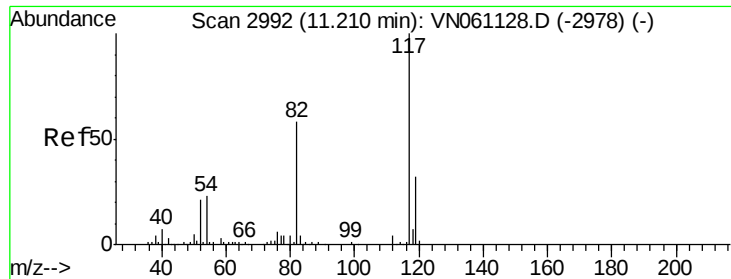
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#62
 4-Bromofluorobenzene
 Concen: 46.517 ug/l
 RT: 12.21 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	157.6
176	77.9	0.0	154.4





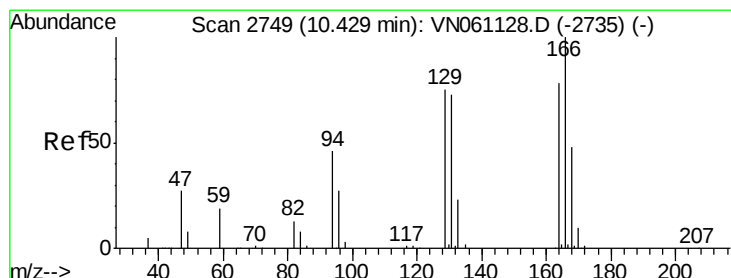
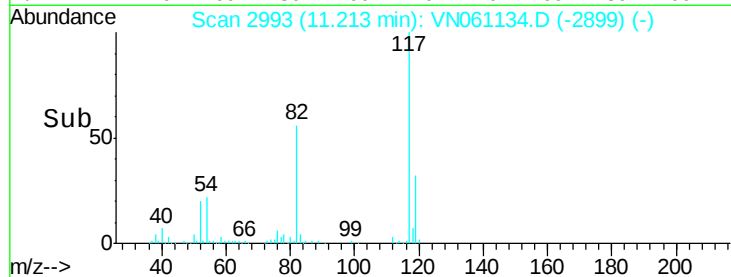
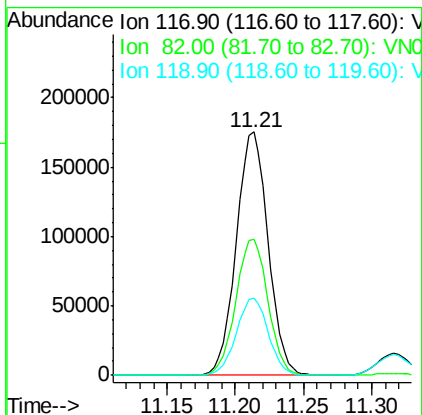
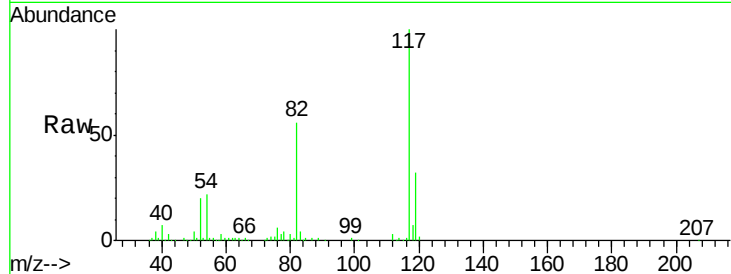
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.21 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	284513		
82	55.9	46.0	69.0	
119	31.9	25.9	38.9	

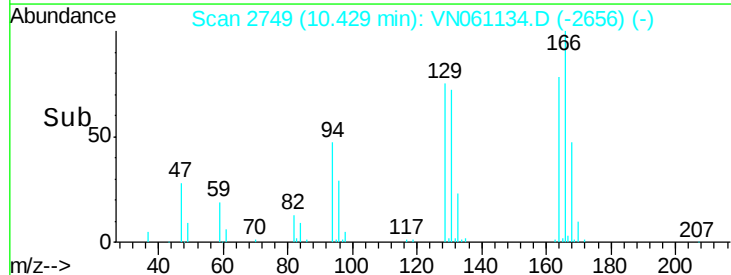
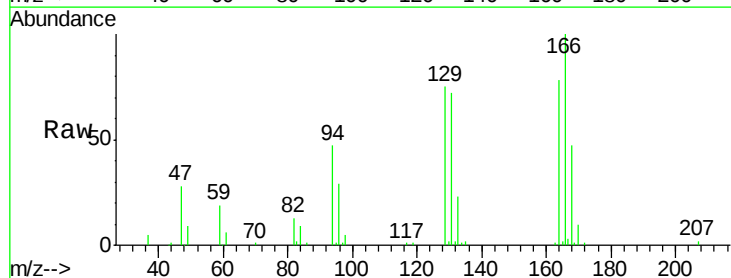
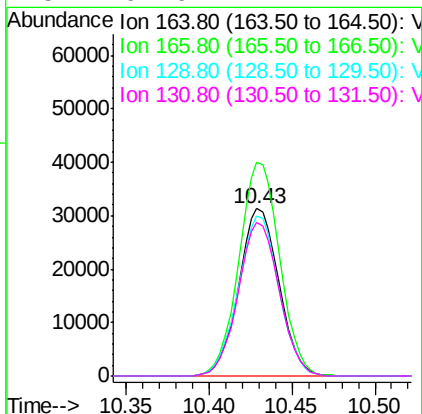
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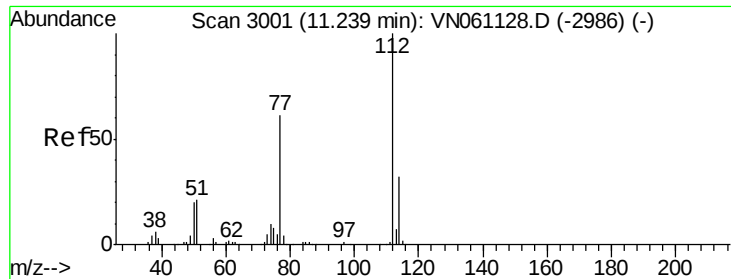
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#64
Tetrachloroethene
Concen: 18.193 ug/l
RT: 10.43 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52989		
166	127.6	101.9	152.9	
129	95.3	76.5	114.7	
131	91.6	74.2	111.4	





#65

Chlorobenzene

Concen: 18.101 ug/l

RT: 11.24 min Scan# 3000

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

VN0422WBSD01

Tot Ion:112 Resp: 104688

Ion Ratio Lower Upper

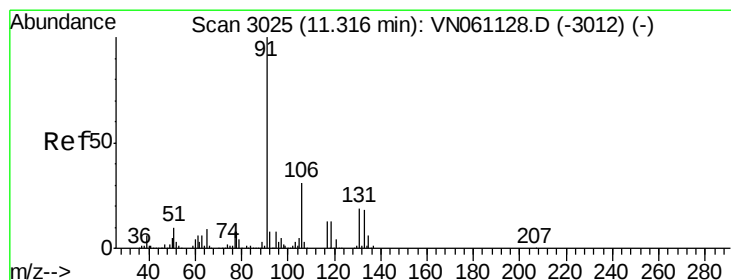
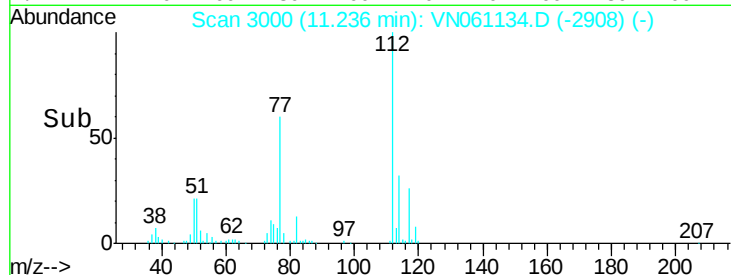
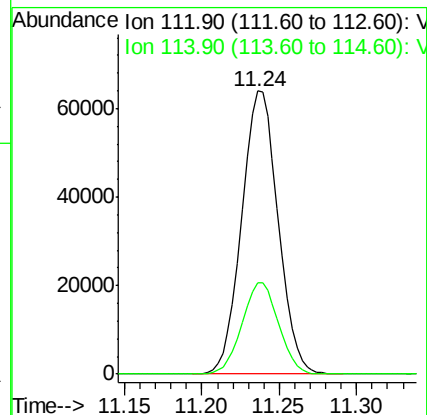
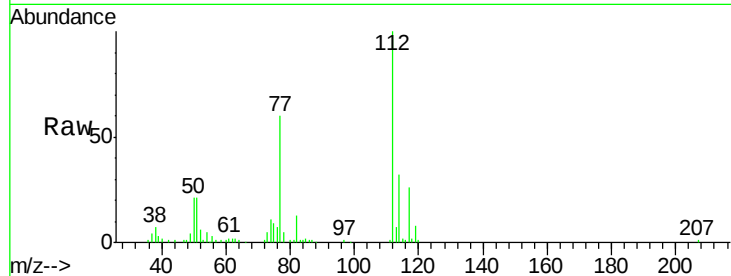
112 100

114 32.1 25.7 38.5

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#66

1,1,1,2-Tetrachloroethane

Concen: 18.300 ug/l

RT: 11.32 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

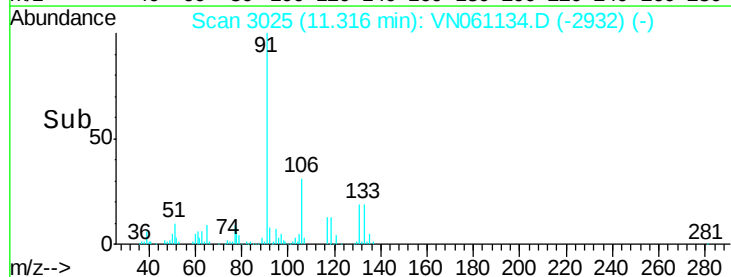
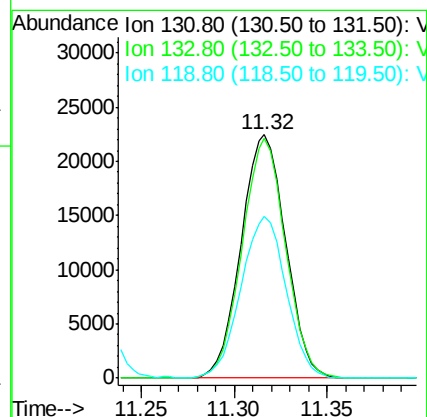
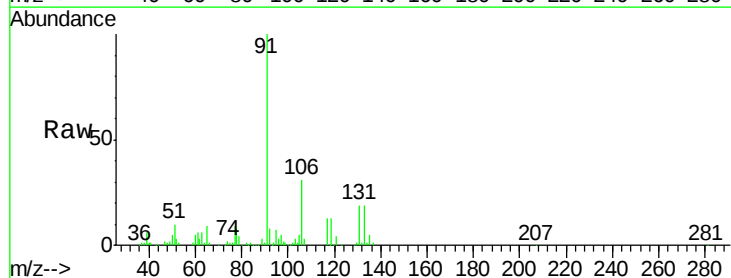
Tgt Ion:131 Resp: 37511

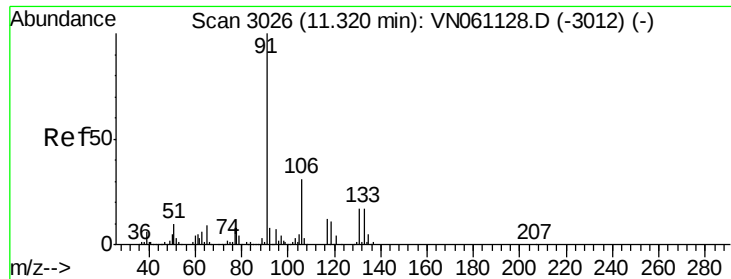
Ion Ratio Lower Upper

131 100

133 96.0 48.2 144.6

119 67.1 33.1 99.5





#67

Ethyl Benzene

Concen: 17.975 ug/l

RT: 11.32 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

VN0422WBSD01

Tot Ion: 91 Resp: 193601

Ion Ratio Lower Upper

91 100

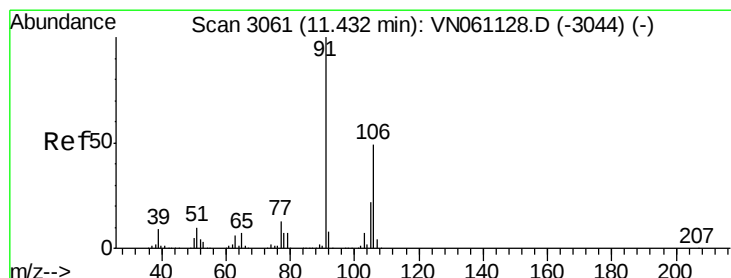
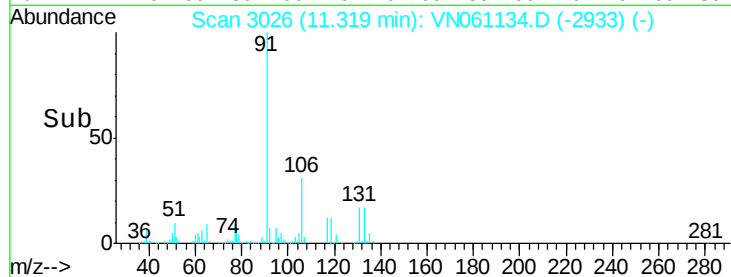
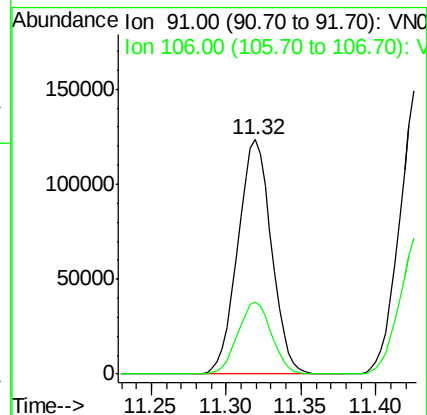
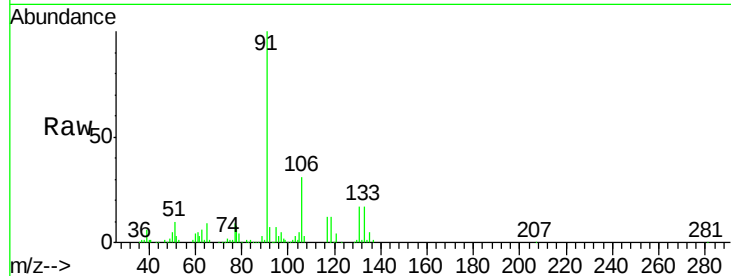
106 30.9 24.7 37.1

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#68

m/p-Xylenes

Concen: 36.197 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN061134.D

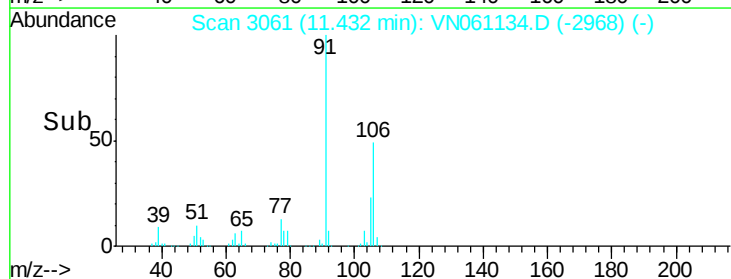
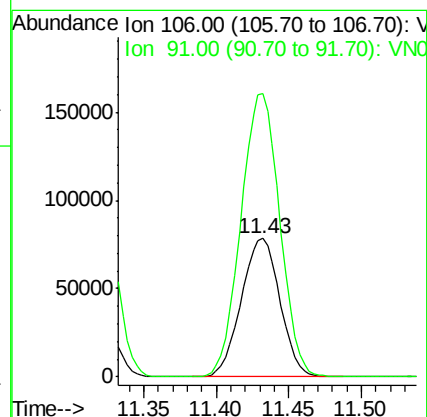
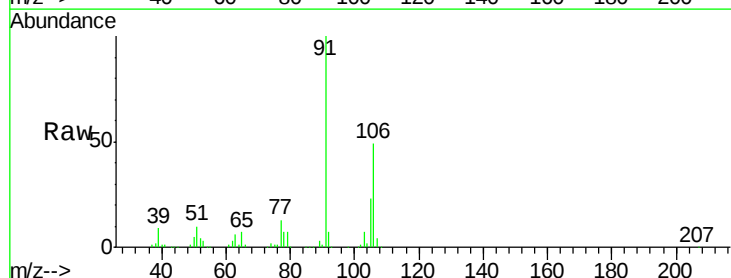
Acq: 22 Apr 2020 18:01

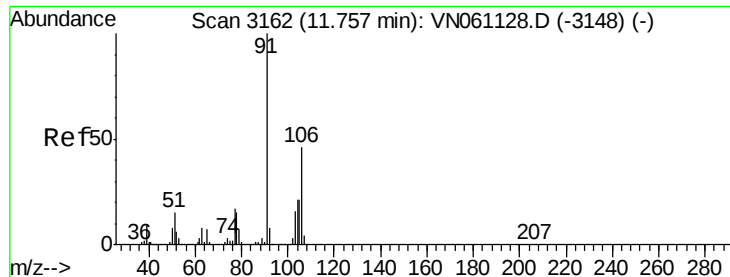
Tgt Ion: 106 Resp: 145585

Ion Ratio Lower Upper

106 100

91 205.3 163.9 245.9





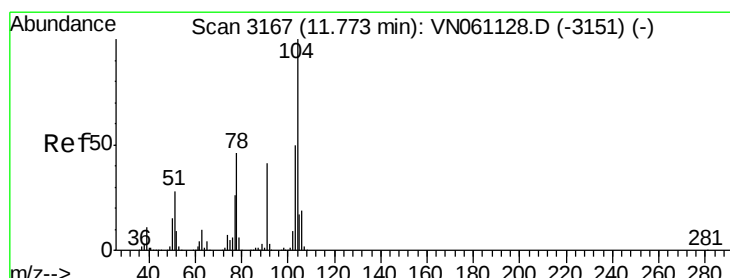
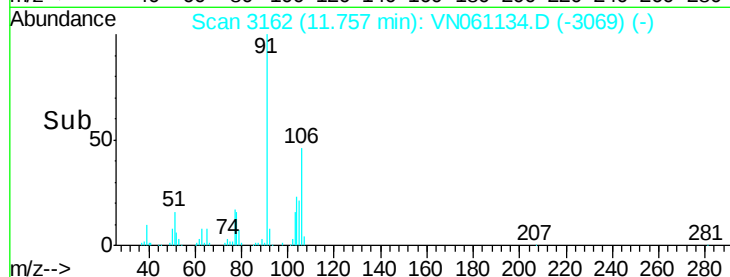
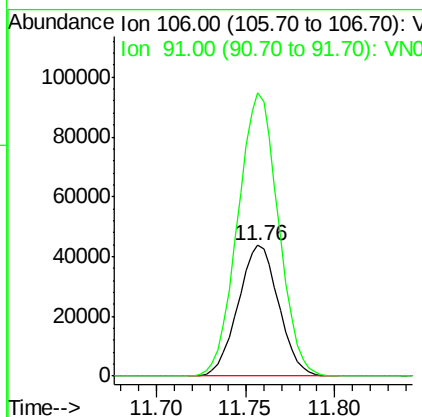
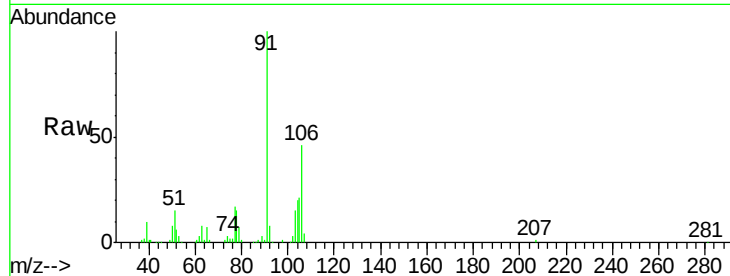
#69
o-Xylene
Concen: 17.949 ug/l
RT: 11.76 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	216.3	107.6	322.8

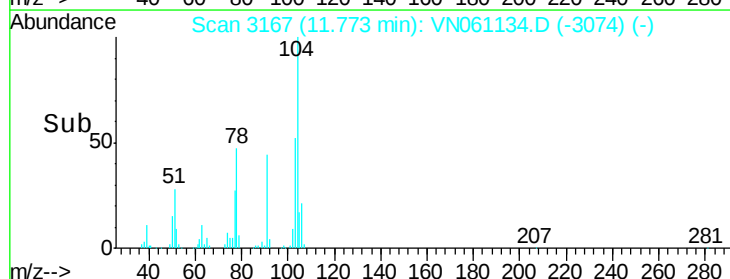
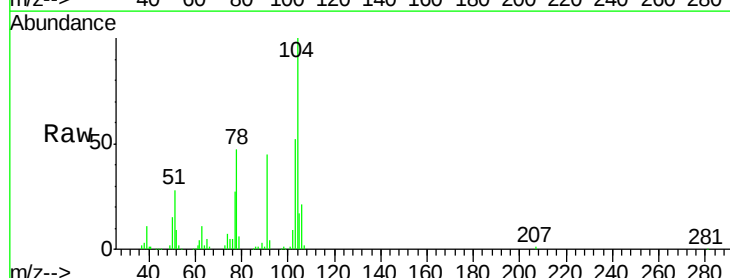
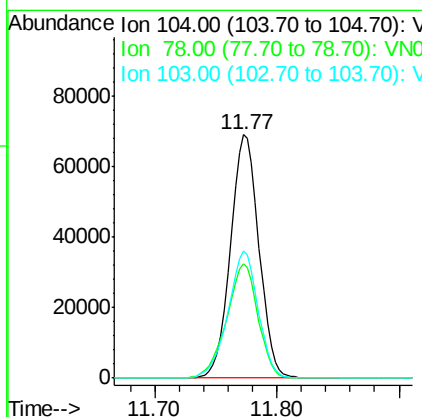
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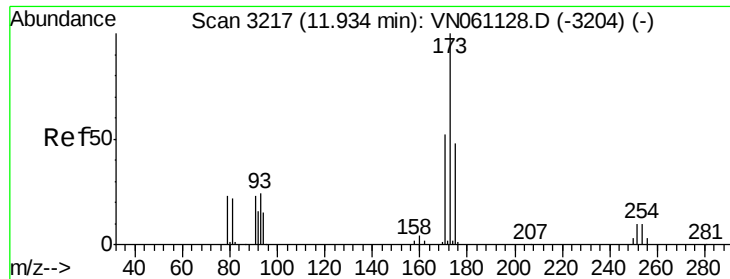
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#70
Styrene
Concen: 17.844 ug/l
RT: 11.77 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	51.7	40.6	61.0
103	103	55.5	43.7	65.5





#71

Bromoform

Concen: 17.715 ug/l

RT: 11.93 min Scan# 3217

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBSD01

Tot Ion:173 Resp: 27374

Ion Ratio Lower Upper

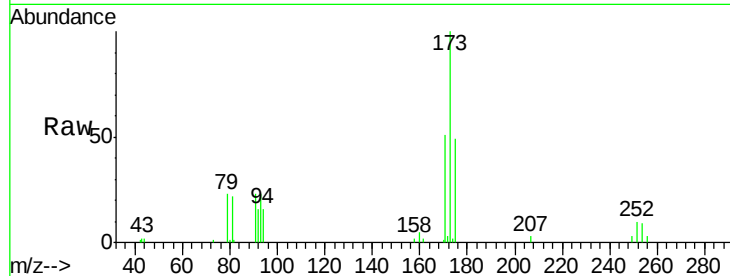
173 100

175 49.0 23.9 71.8

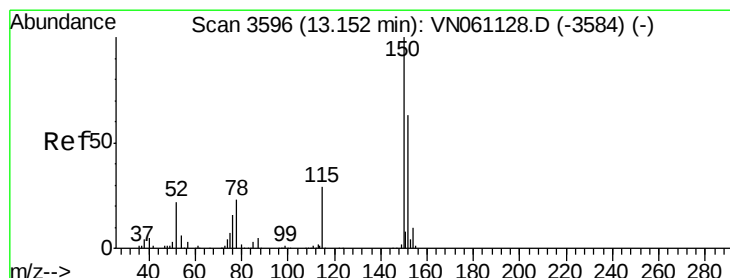
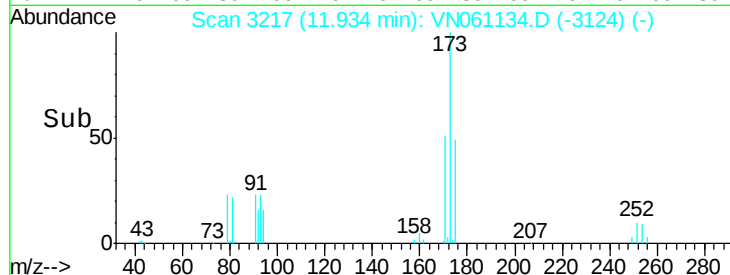
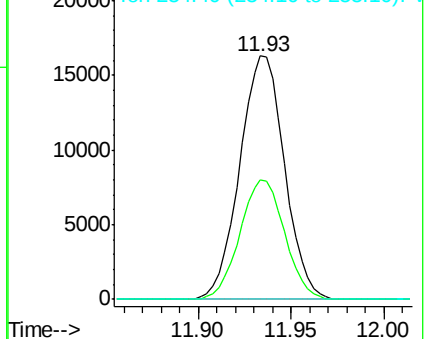
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.16 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

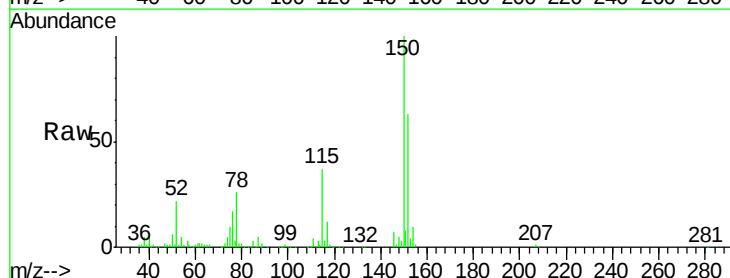
Tgt Ion:152 Resp: 137597

Ion Ratio Lower Upper

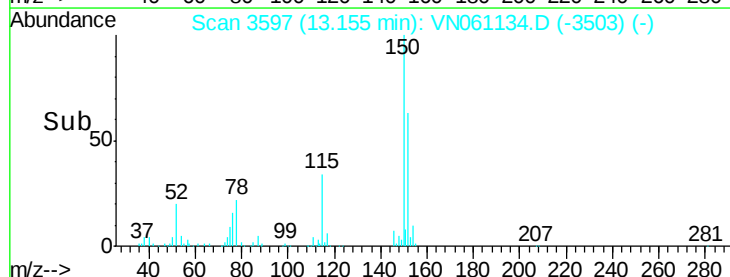
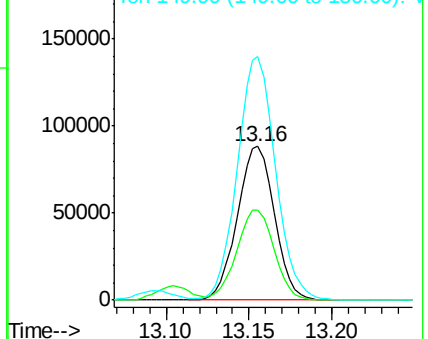
152 100

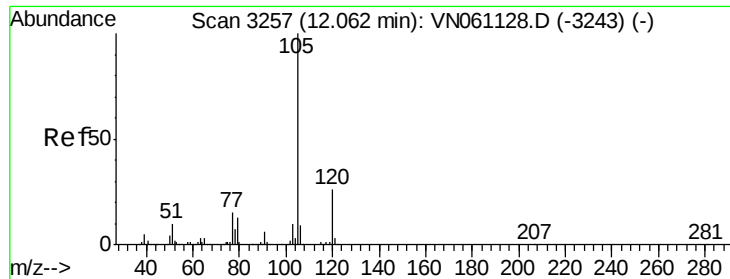
115 59.4 29.8 89.5

150 163.4 0.0 348.6



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: 17.941 ug/l

RT: 12.06 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 105 Resp: 186503

Ion Ratio Lower Upper

105 100

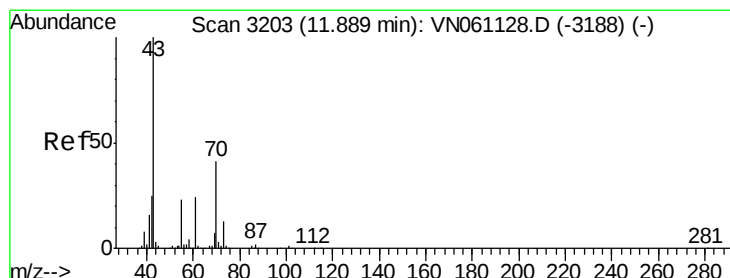
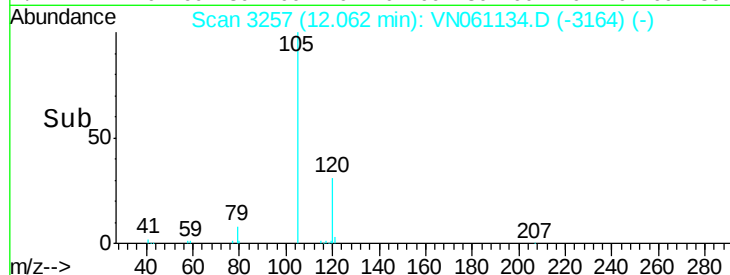
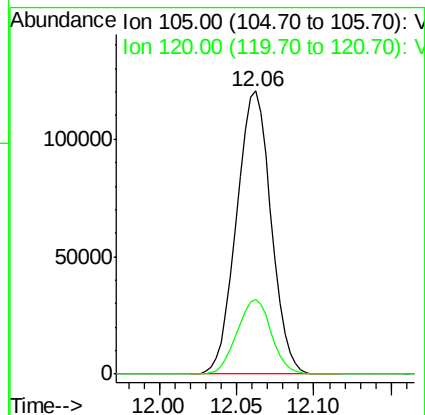
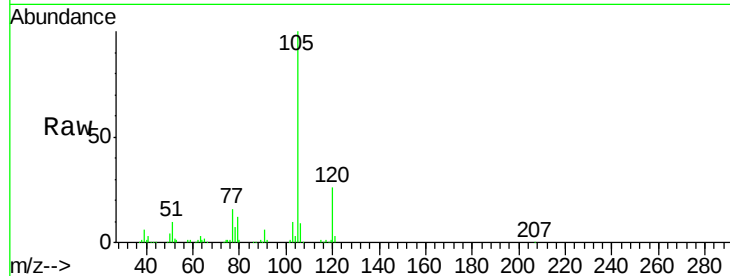
120 26.1 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 16.522 ug/l

RT: 11.89 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Tgt Ion: 43 Resp: 77204

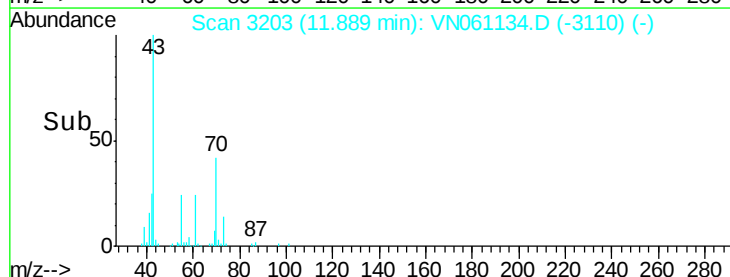
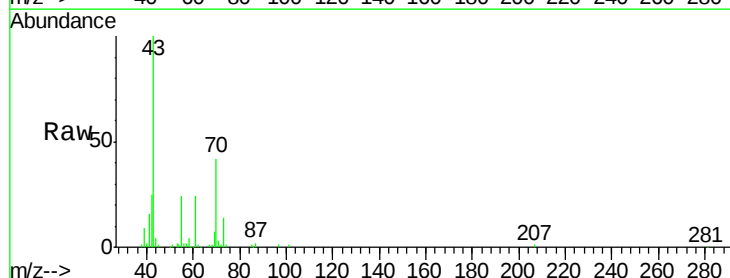
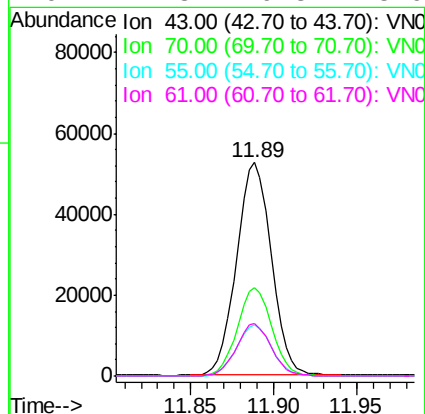
Ion Ratio Lower Upper

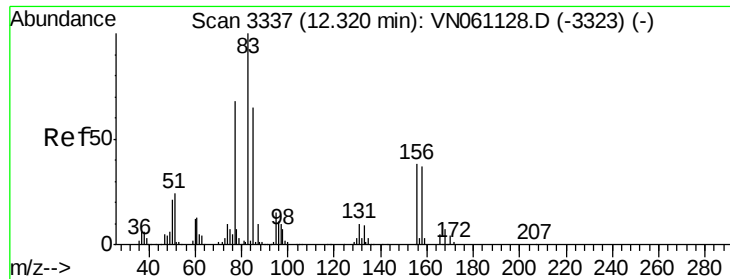
43 100

70 41.1 32.5 48.7

55 24.2 19.0 28.6

61 24.3 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 17.661 ug/l

RT: 12.32 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

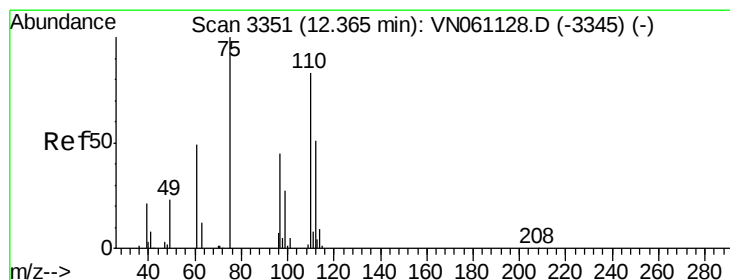
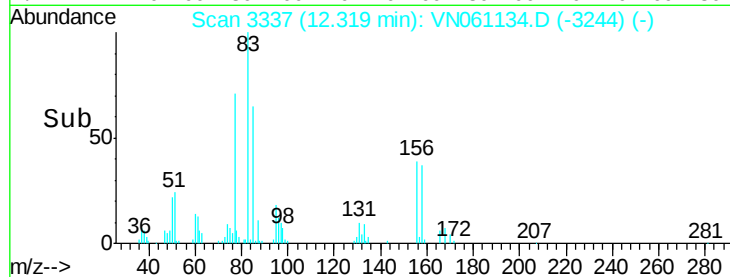
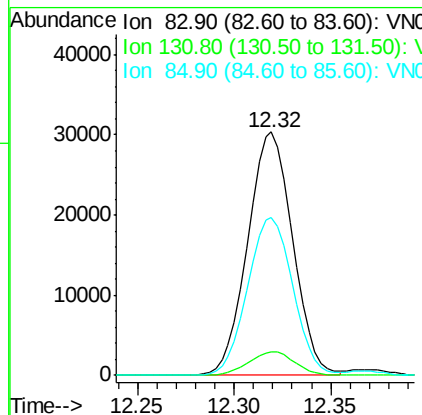
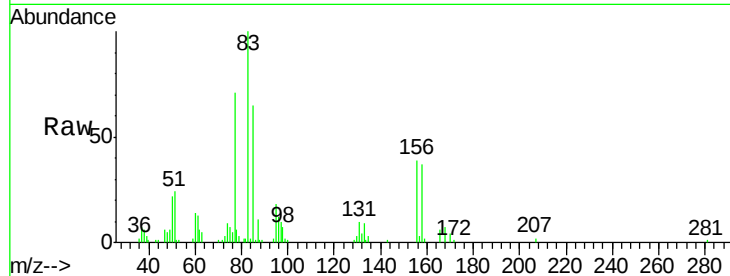
ClientSampleId :

VN0422WBSD01

Tot Ion:	83	Resp:	49199
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	65.3	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 17.248 ug/l m

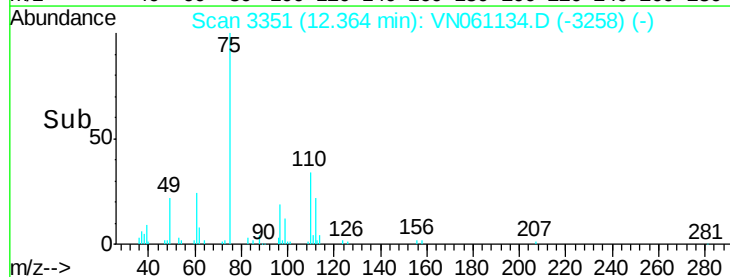
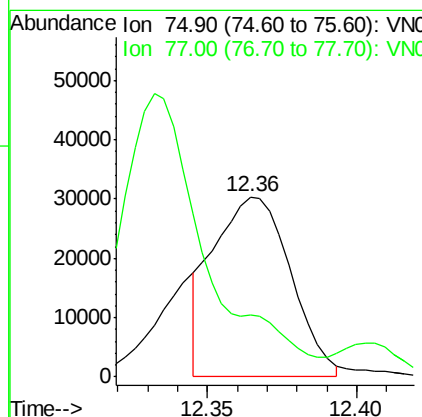
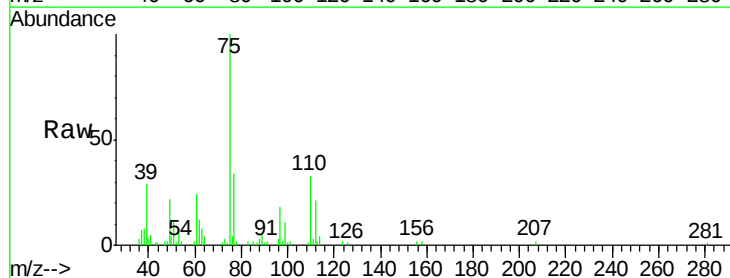
RT: 12.36 min Scan# 3351

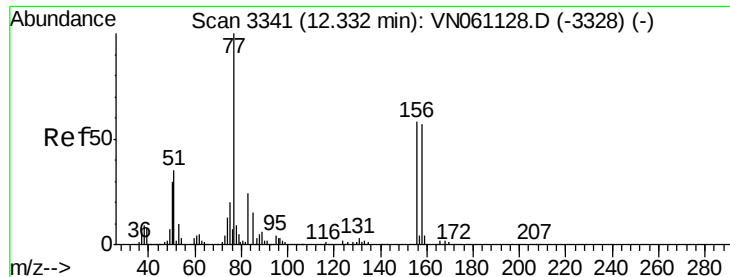
Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Tgt Ion:	75	Resp:	54745
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





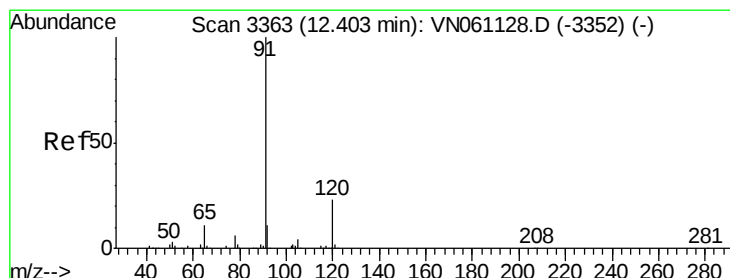
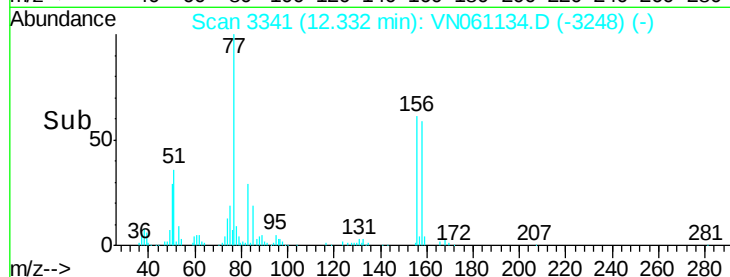
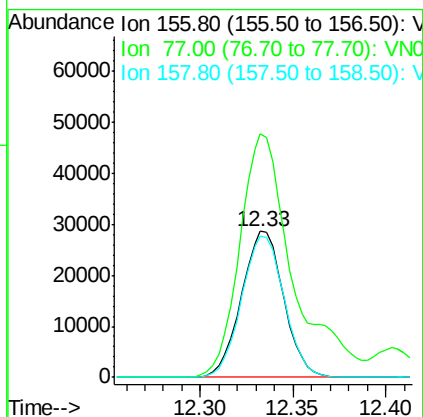
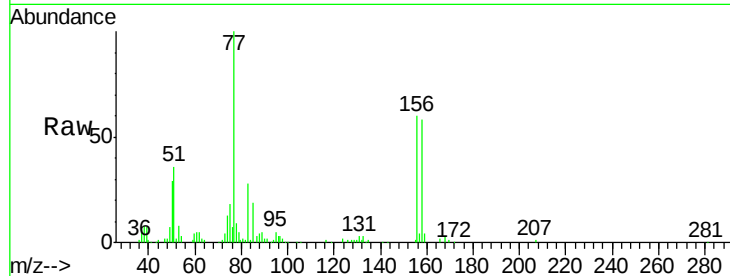
#77
Bromobenzene
Concen: 17.885 ug/l
RT: 12.33 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	209.5	105.7	317.1	
158	97.8	48.3	144.9	

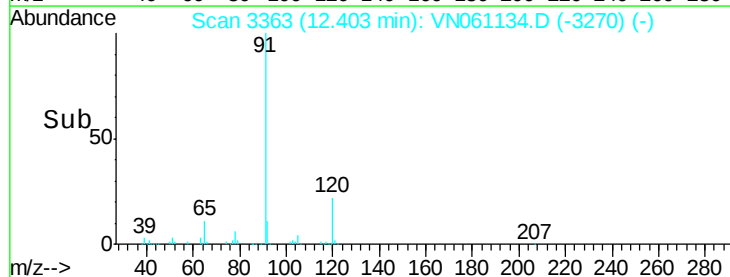
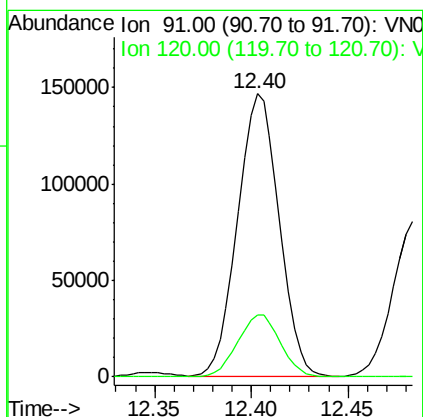
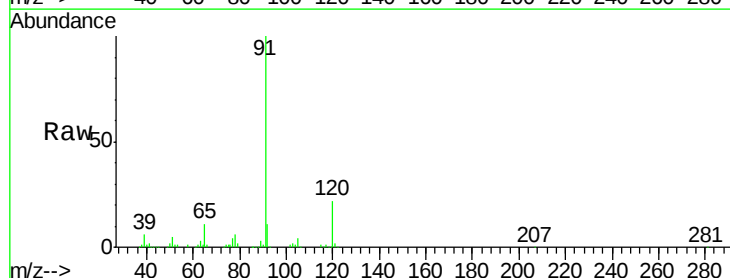
Manual Integrations
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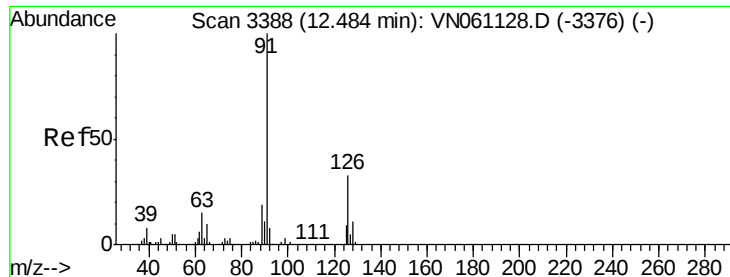
MMDadoda
4/23/2020 11:35:46 AM



#78
n-propylbenzene
Concen: 17.932 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.5	11.3	33.9	





#79

2-Chlorotoluene

Concen: 17.793 ug/l

RT: 12.48 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 91 Resp: 125969

Ion Ratio Lower Upper

91 100

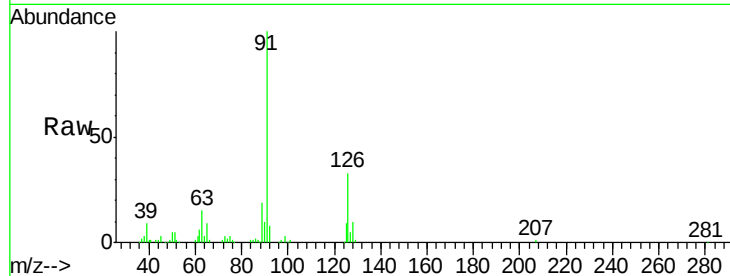
126 33.8 16.7 50.1

Manual Integrations

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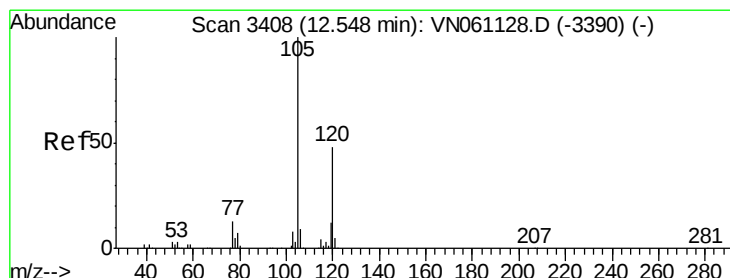
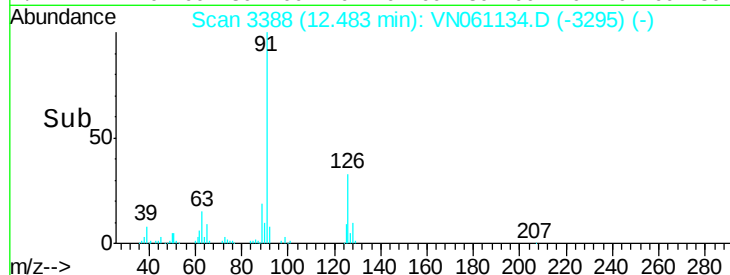
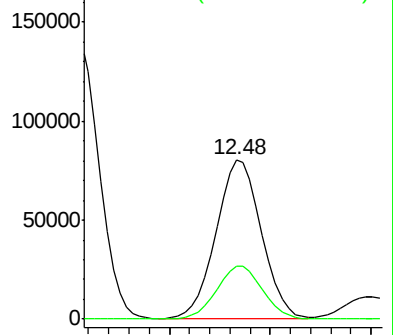
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Abundance Ion 91.00 (90.70 to 91.70): VN061128.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN061128.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.841 ug/l

RT: 12.55 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN061134.D

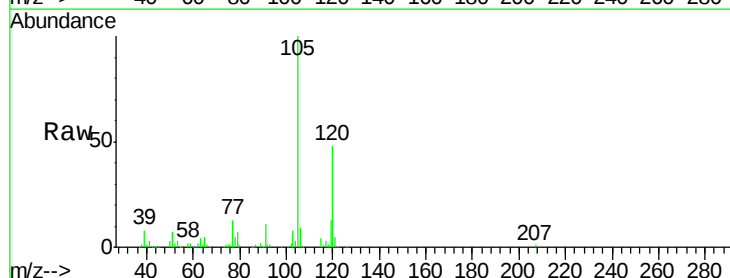
Acq: 22 Apr 2020 18:01

Tgt Ion: 105 Resp: 156281

Ion Ratio Lower Upper

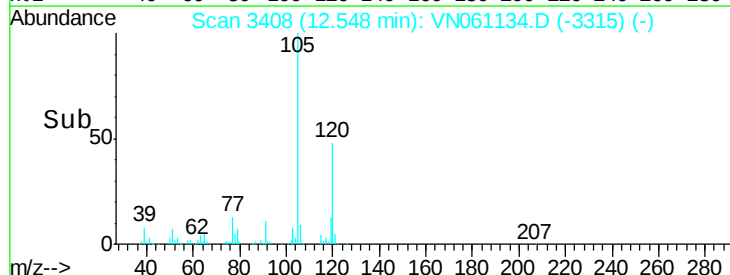
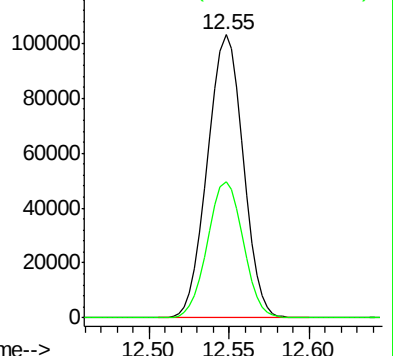
105 100

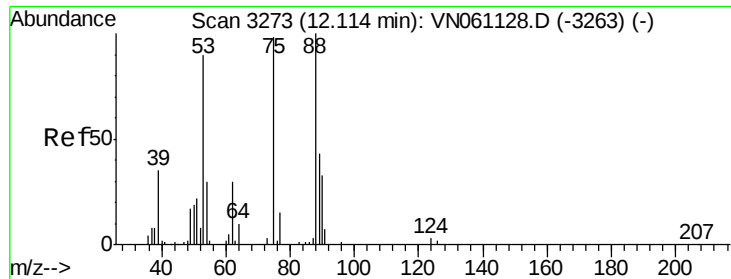
120 48.1 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN061128.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN061128.D (-3390) (-)





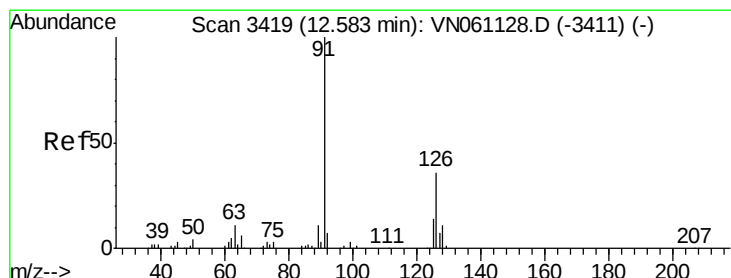
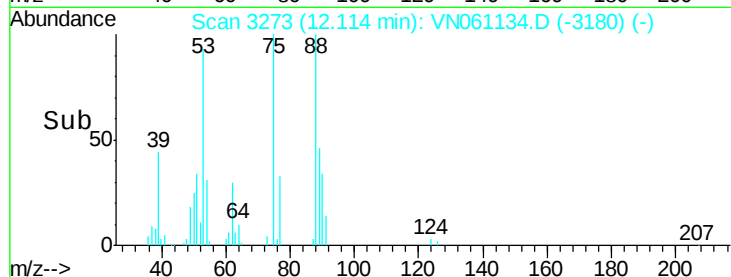
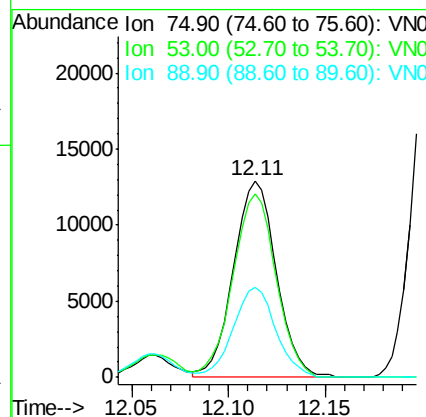
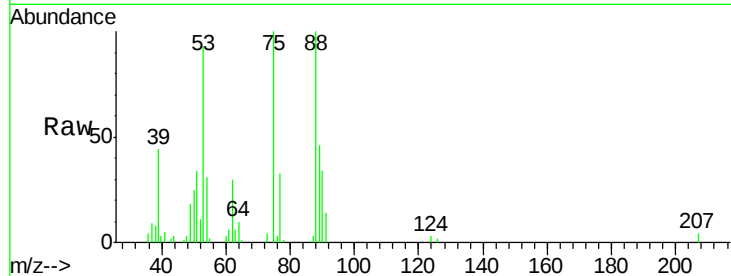
#81
trans-1,4-Dichloro-2-butene
Concen: 16.461 ug/l
RT: 12.11 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.0	74.3	111.5
89	45.6	36.6	55.0

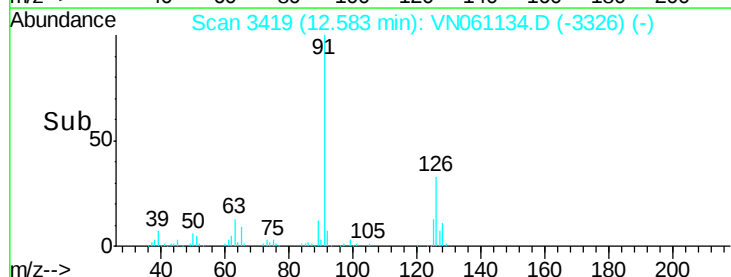
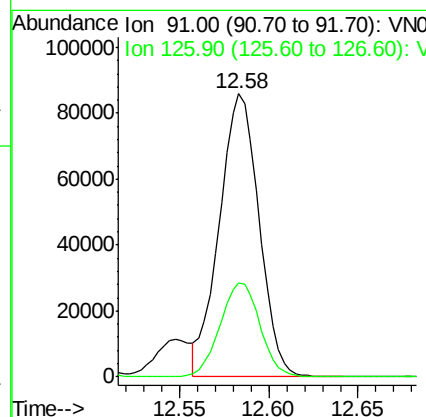
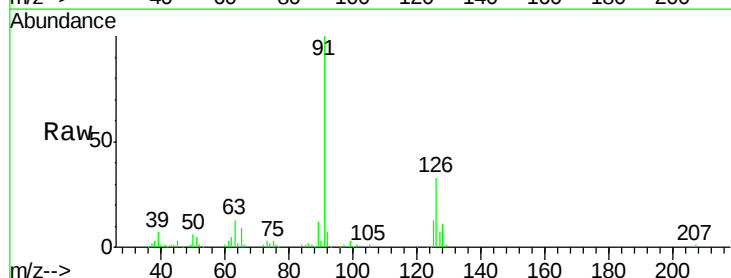
Manual Integrations
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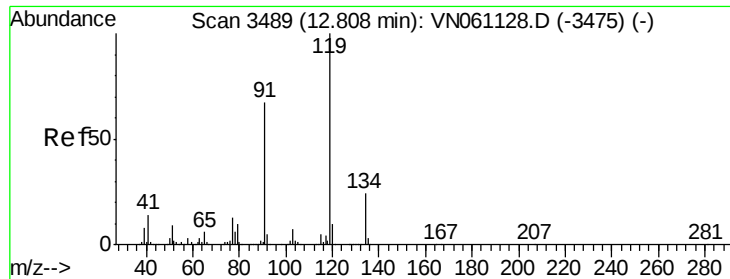
MMDadoda
4/23/2020 11:35:46 AM



#82
4-Chlorotoluene
Concen: 17.673 ug/l
RT: 12.58 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.4	49.2





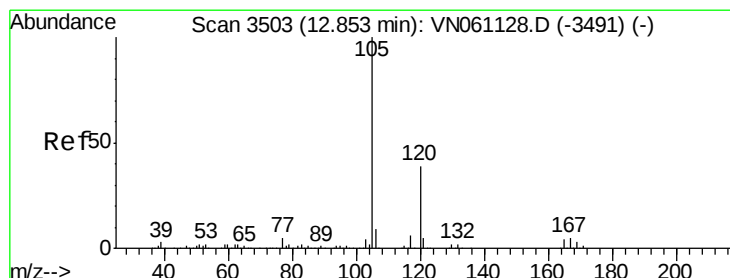
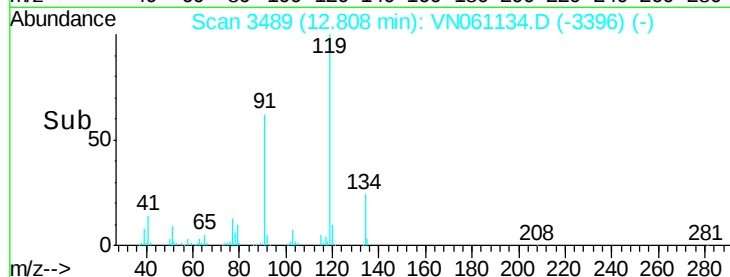
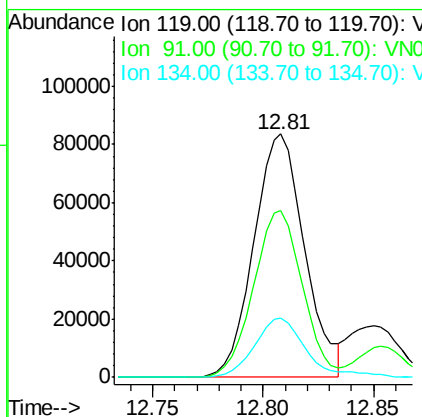
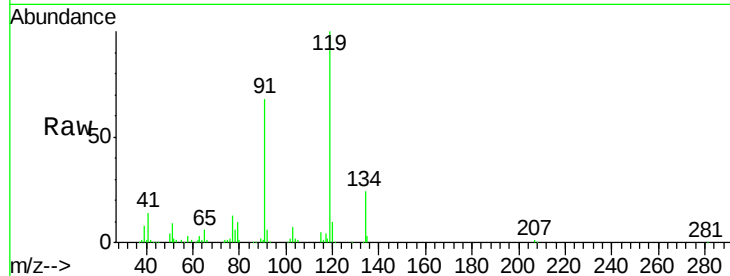
#83
 tert-Butylbenzene
 Concen: 18.143 ug/l
 RT: 12.81 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.9	32.8	98.4
134	24.7	12.2	36.4

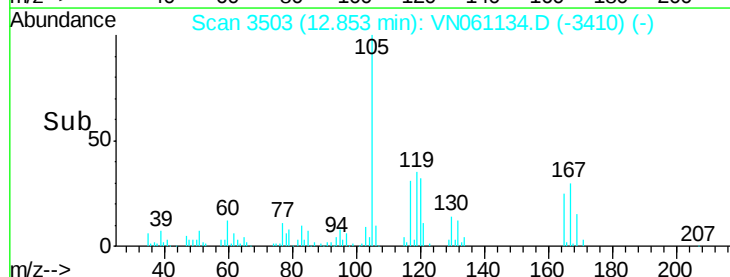
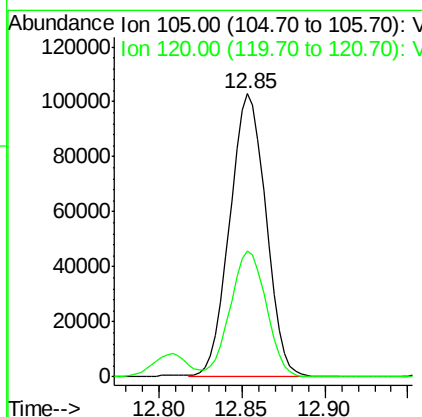
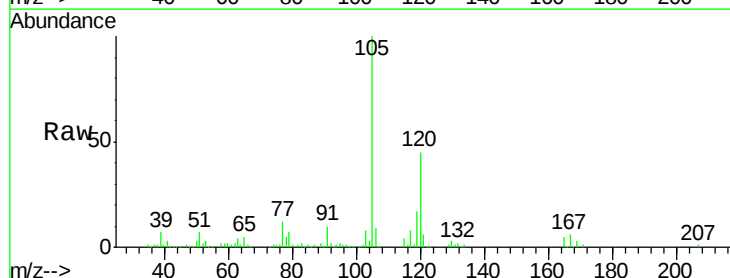
Manual Integrations
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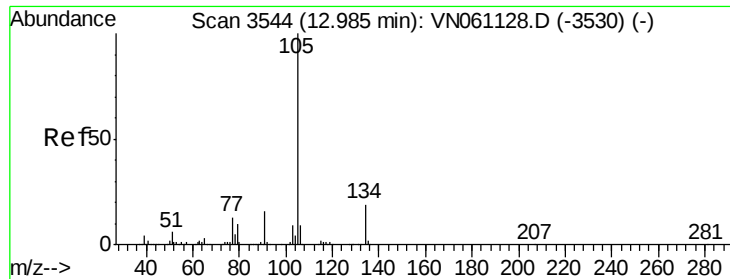
MMDadoda
 4/23/2020 11:35:46 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 17.954 ug/l
 RT: 12.85 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.0





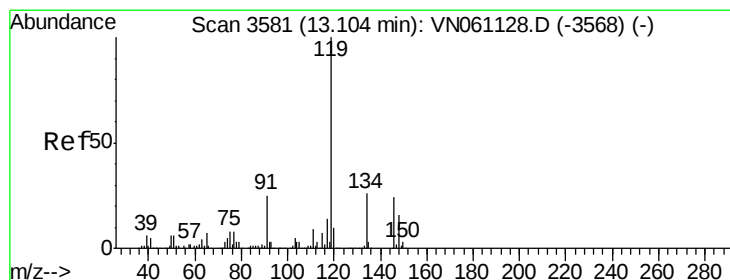
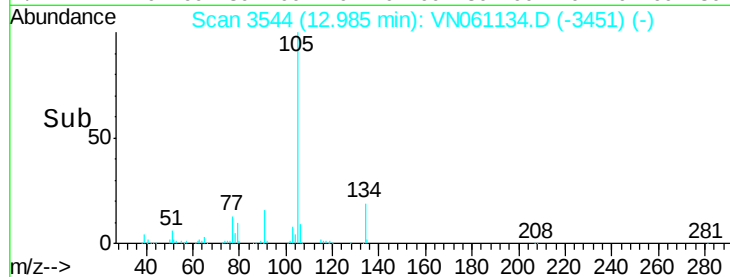
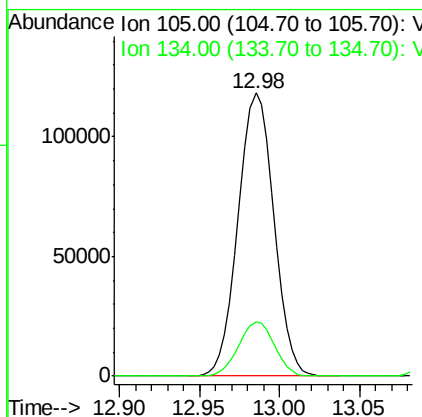
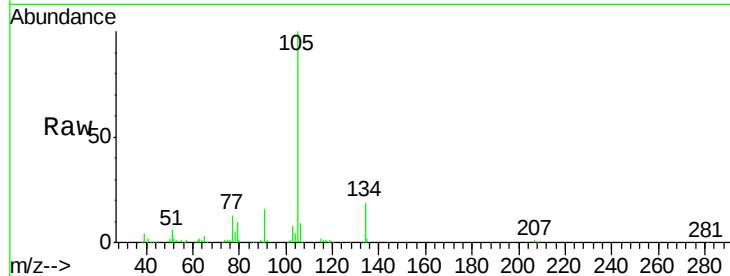
#85
 sec-Butylbenzene
 Concen: 18.056 ug/l
 RT: 12.98 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

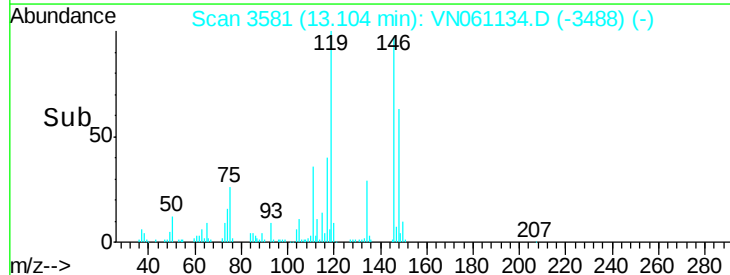
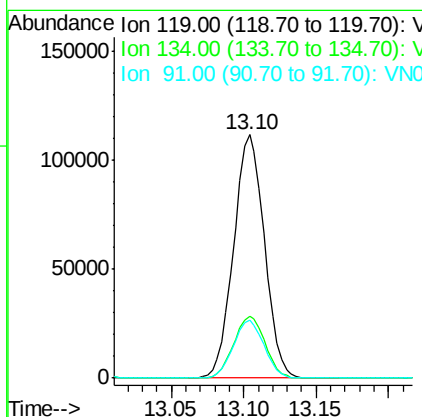
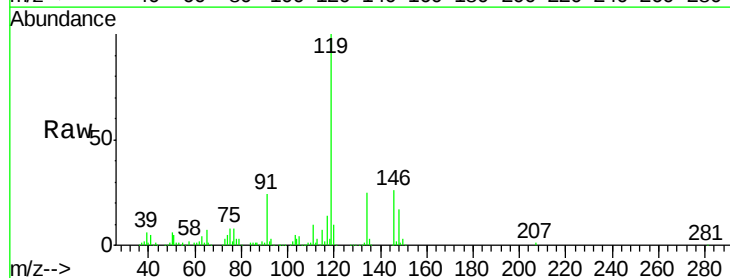
Manual Integrations
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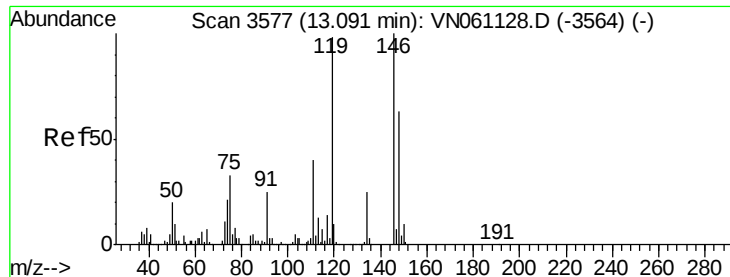
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#86
 p-Isopropyltoluene
 Concen: 18.147 ug/l
 RT: 13.10 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	23.7	12.4	37.0





#87

1,3-Dichlorobenzene

Concen: 18.252 ug/l

RT: 13.09 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN061134.D

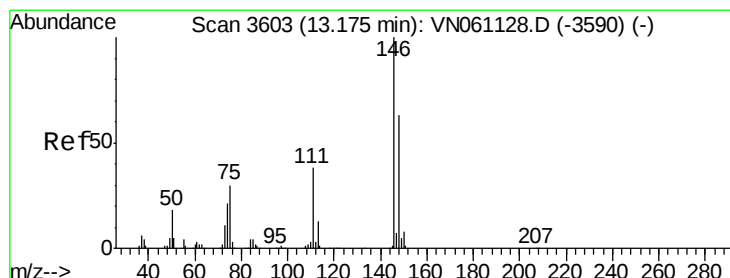
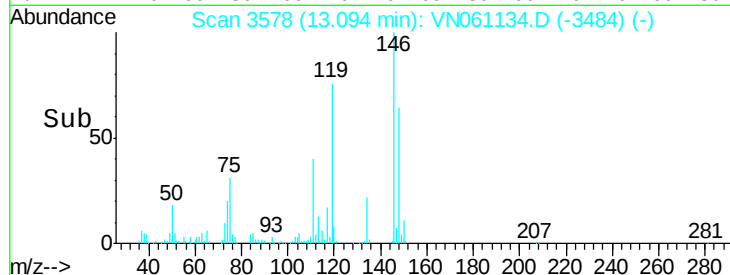
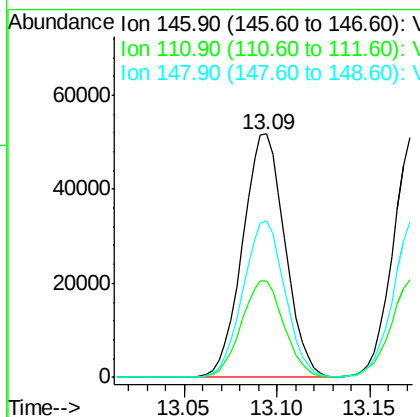
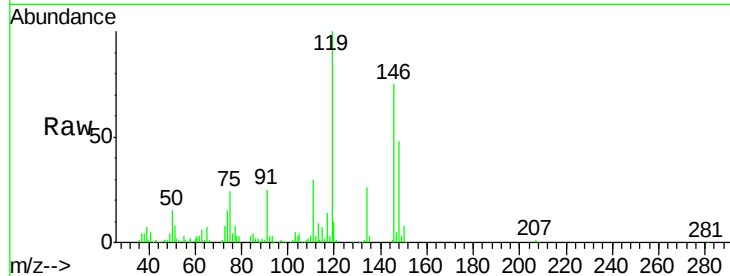
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.9
148	63.7	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.009 ug/l

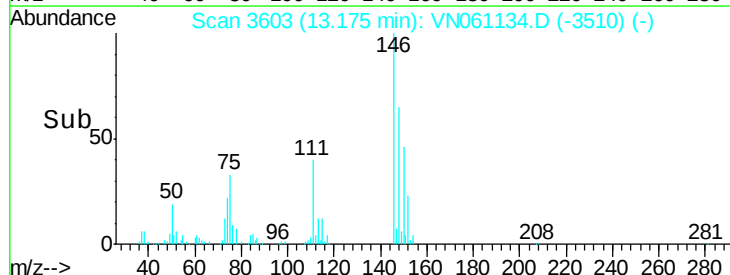
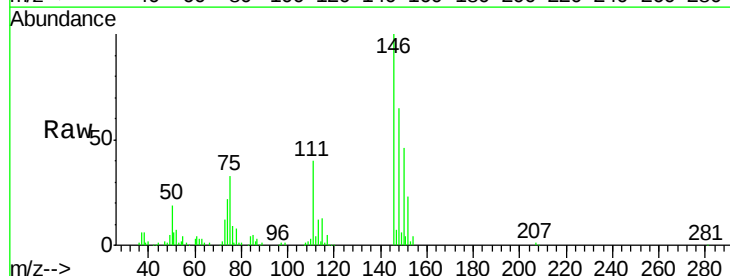
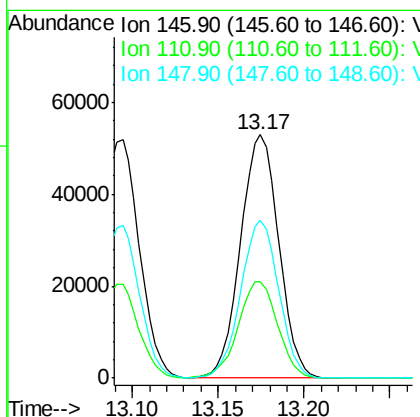
RT: 13.17 min Scan# 3603

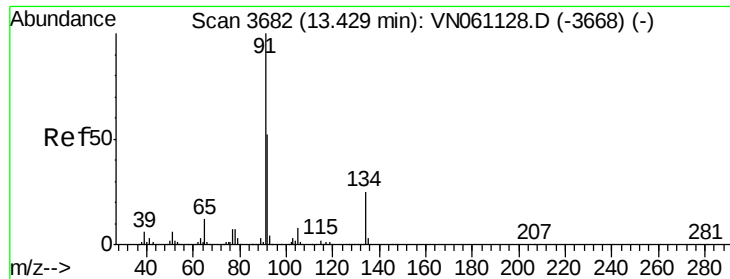
Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.7	59.1
148	64.4	31.8	95.3





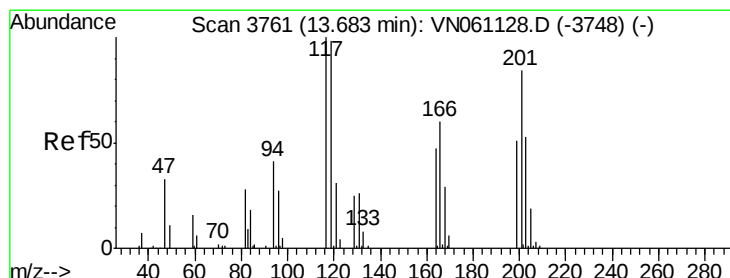
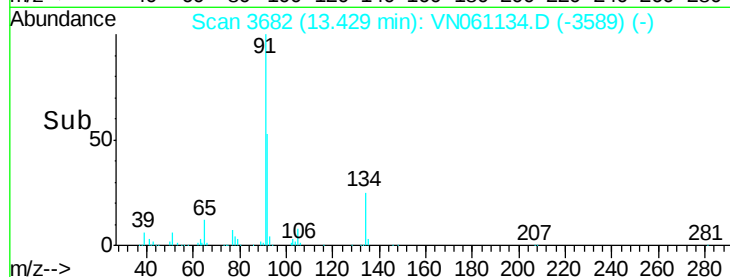
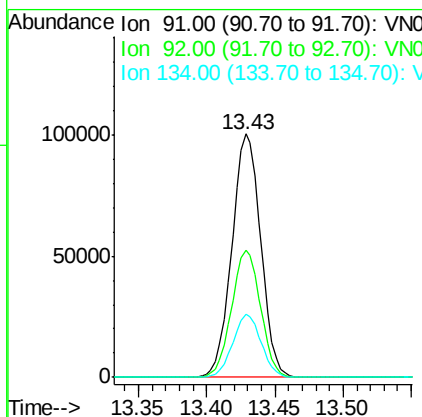
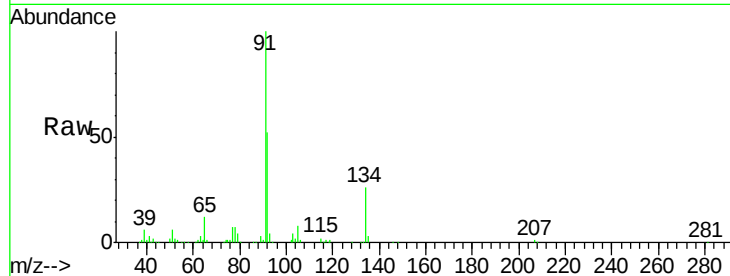
#89
n-Butylbenzene
Concen: 17.858 ug/l
RT: 13.43 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.2
134	25.4	12.6	37.6

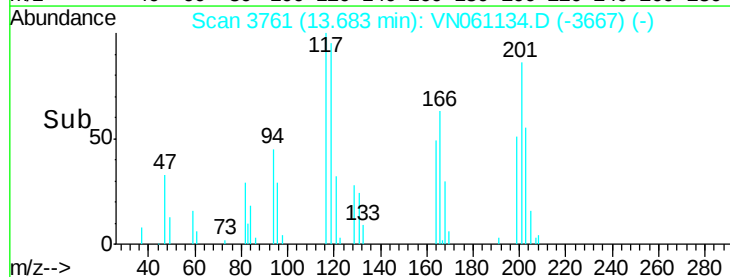
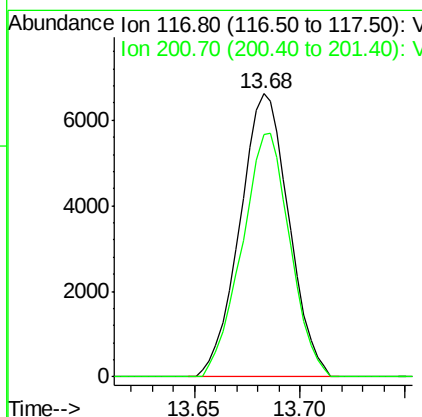
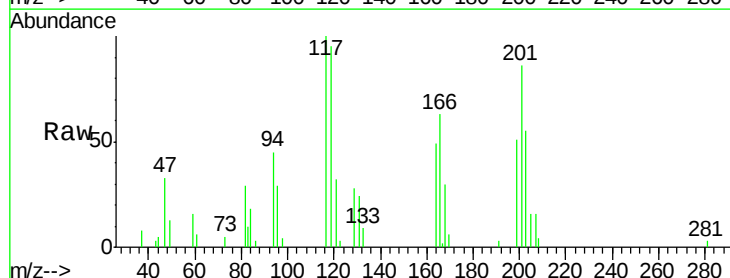
Manual Integrations
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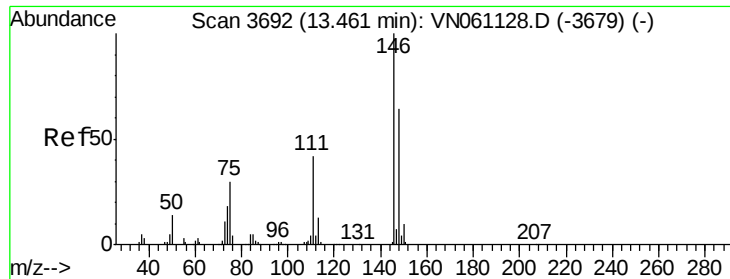
MMDadoda
4/23/2020 11:35:46 AM



#90
Hexachloroethane
Concen: 14.755 ug/l
RT: 13.68 min Scan# 3761
Delta R.T. 0.00 min
Lab File: VN061134.D
Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	41.4	124.4





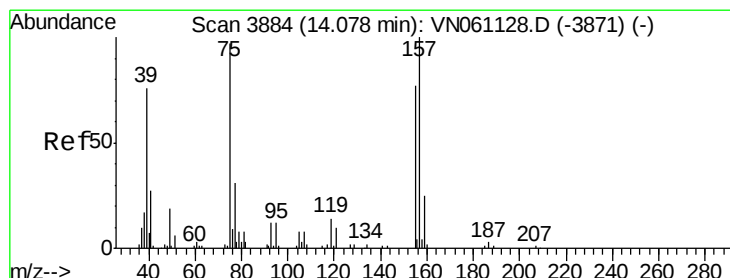
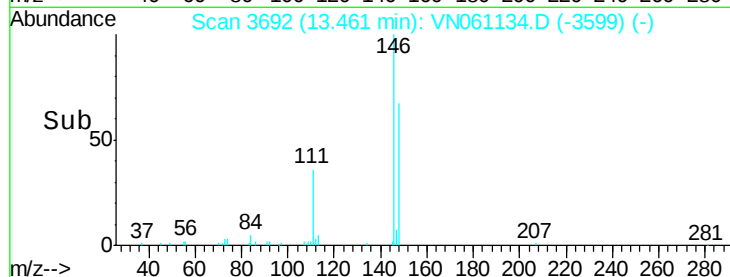
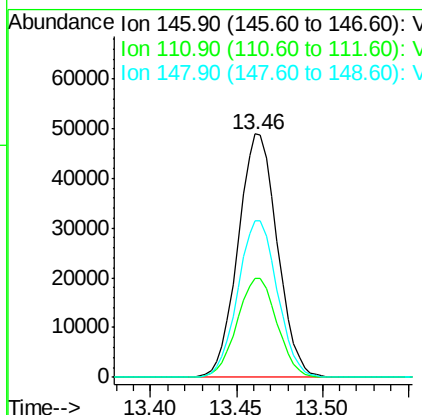
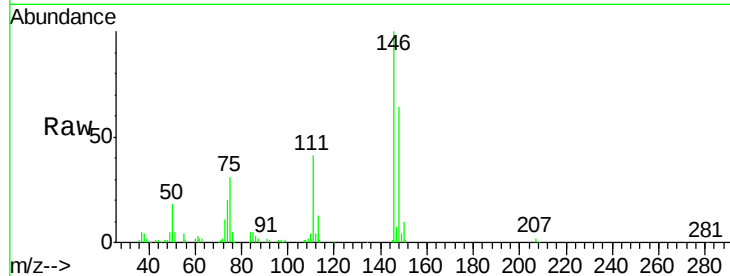
#91
 1,2-Dichlorobenzene
 Concen: 18.526 ug/l
 RT: 13.46 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.2
148	64.6	31.7	95.1

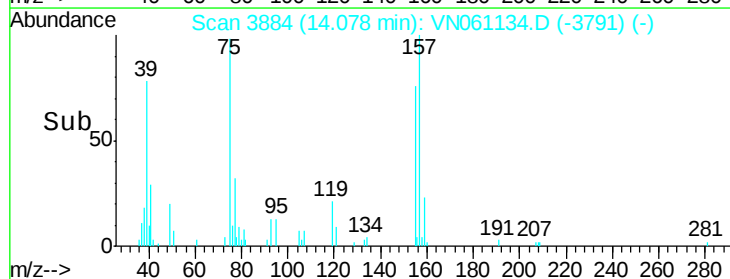
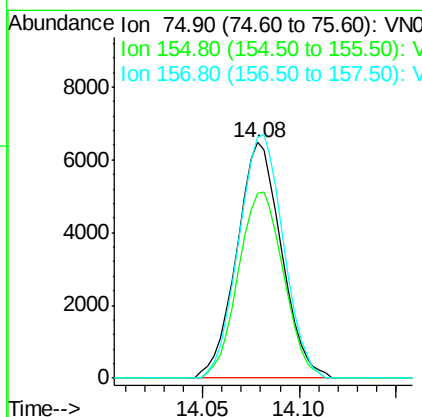
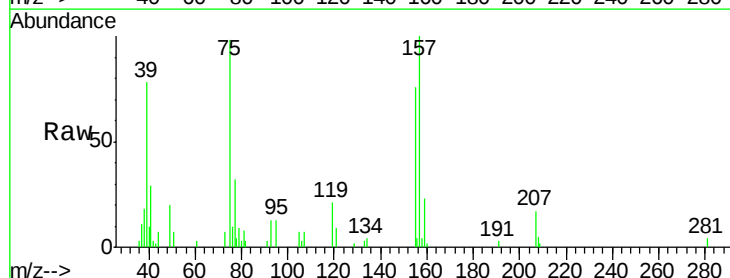
Manual Integrations
 APPROVED

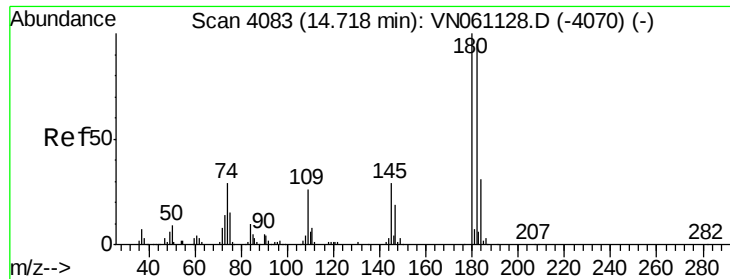
MMDadoda
 4/23/2020 11:35:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.212 ug/l
 RT: 14.08 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	40.3	120.9
157	103.6	51.6	154.8





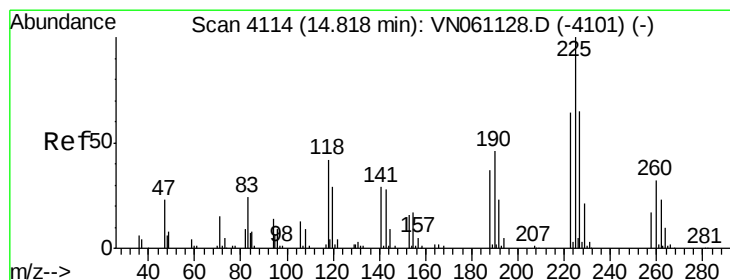
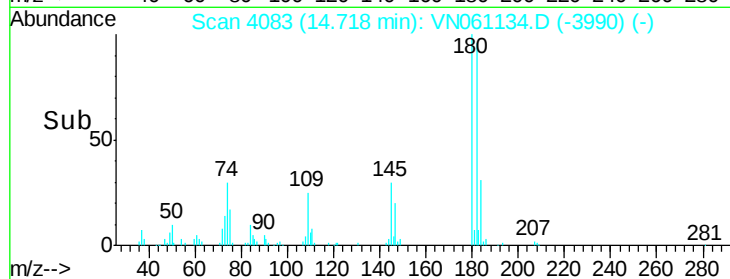
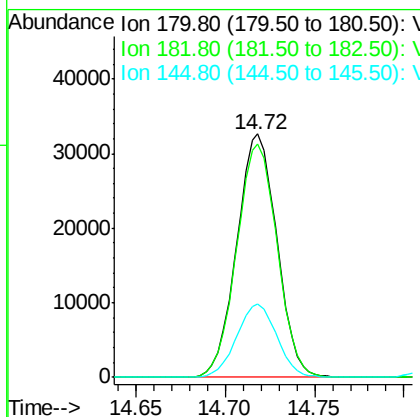
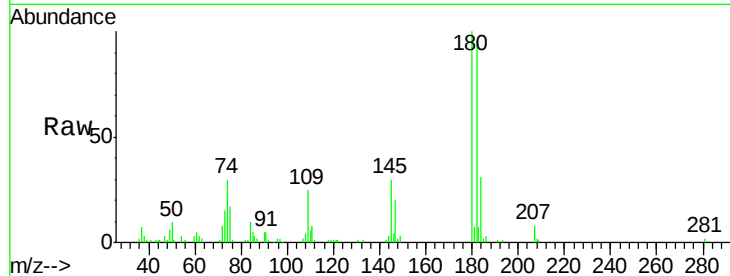
#93
 1,2,4-Trichlorobenzene
 Concen: 18.250 ug/l
 RT: 14.72 min Scan# 4083
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.9	143.7
145	30.3	15.2	45.5

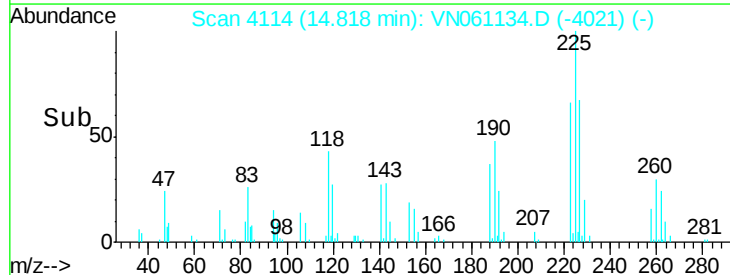
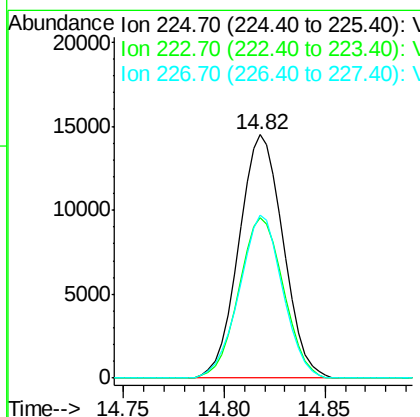
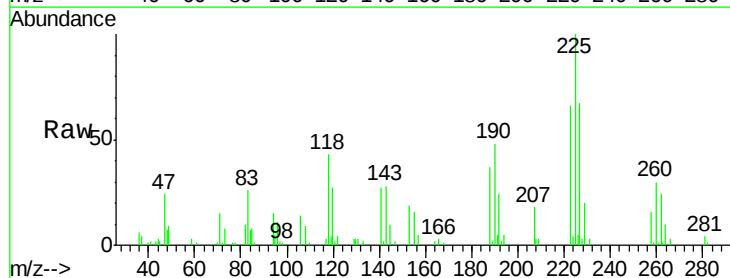
Manual Integrations
 APPROVED

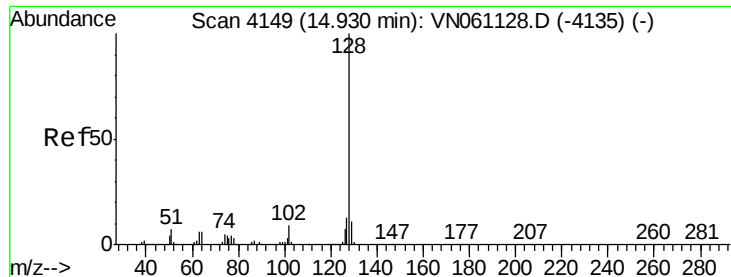
MMDadoda
 4/23/2020 11:35:46 AM



#94
 Hexachlorobutadiene
 Concen: 18.305 ug/l
 RT: 14.82 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VN061134.D
 Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.3	31.6	95.0
227	65.6	32.0	96.2





#95

Naphthalene

Concen: 17.875 ug/l

RT: 14.93 min Scan# 4149

Delta R.T. -0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Instrument :

MSVOA_N

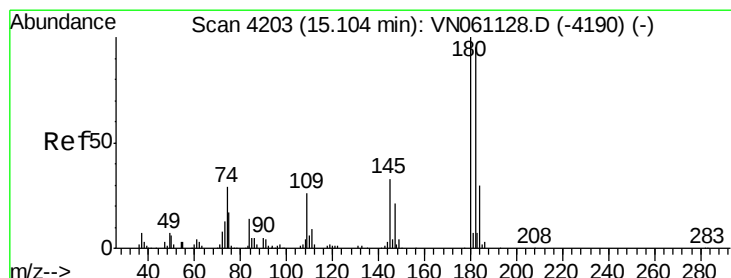
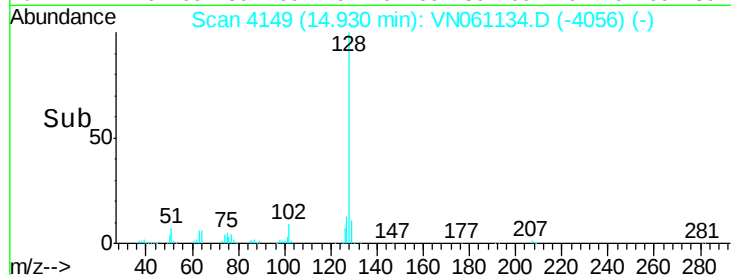
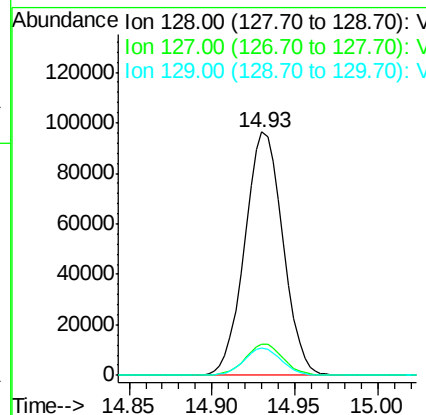
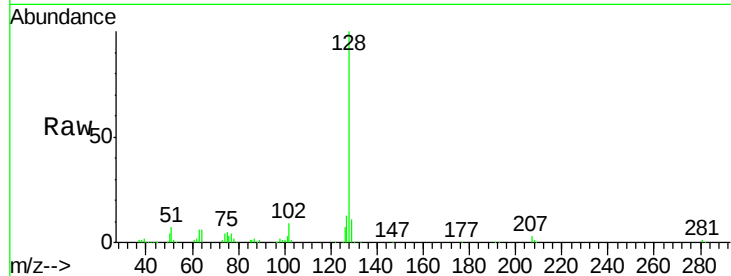
ClientSampleId :

VN0422WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	154158		
127	12.7	10.2	15.4	
129	11.1	8.6	12.8	

Manual Integrations
APPROVED

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4/23/2020 11:35:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.696 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061134.D

Acq: 22 Apr 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	50179		
182	94.4	47.7	143.1	
145	31.8	16.3	48.8	

