

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061131.D
 Acq On : 22 Apr 2020 15:51
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042220

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:35:05 PM

Quant Time: Apr 23 07:45:06 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	7.39	168	207124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	332109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	308459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	151836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.76	65	128940	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	7.31	113	91916	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	9.88	98	388936	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.21	95	146527	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.72	85	115582	60.013	ug/l	99
3) Chloromethane	1.91	50	136947	58.218	ug/l	99
4) Vinyl Chloride	2.03	62	156178	54.706	ug/l	99
5) Bromomethane	2.39	94	76927	55.443	ug/l	98
6) Chloroethane	2.52	64	83855	55.602	ug/l	99
7) Trichlorofluoromethane	2.82	101	176868	58.113	ug/l	99
8) Diethyl Ether	3.17	74	75803	53.912	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.50	101	117191	57.619	ug/l	98
10) Methyl Iodide	3.68	142	168616	57.485	ug/l	100
11) Tert butyl alcohol	4.43	59	78344	221.379	ug/l	100
12) 1,1-Dichloroethene	3.48	96	115465	55.763	ug/l	98
13) Acrolein	3.35	56	67744	250.526	ug/l	98
14) Allyl chloride	4.03	41	171279	64.067	ug/l	98
15) Acrylonitrile	4.63	53	277299	252.905	ug/l	100
16) Acetone	3.54	43	212601	225.316	ug/l	100
17) Carbon Disulfide	3.78	76	348113	56.219	ug/l	100
18) Methyl Acetate	4.02	43	163343	49.986	ug/l	100
19) Methyl tert-butyl Ether	4.69	73	392982	53.731	ug/l	99
20) Methylene Chloride	4.24	84	129389	53.923	ug/l	98
21) trans-1,2-Dichloroethene	4.69	96	129925	52.363	ug/l	99
22) Diisopropyl ether	5.61	45	415119	54.790	ug/l	98
23) Vinyl Acetate	5.54	43	1665795	274.352	ug/l	99
24) 1,1-Dichloroethane	5.50	63	234843	56.015	ug/l	100
25) 2-Butanone	6.50	43	358956	239.840	ug/l	99
26) 2,2-Dichloropropane	6.49	77	214491	56.812	ug/l	100
27) cis-1,2-Dichloroethene	6.50	96	147043	53.397	ug/l	99
28) Bromochloromethane	6.89	49	93091	51.679	ug/l	97
29) Tetrahydrofuran	6.90	42	248002	240.696	ug/l	100
30) Chloroform	7.08	83	238685	56.297	ug/l	99
31) Cyclohexane	7.37	56	223550	53.019	ug/l	99
32) 1,1,1-Trichloroethane	7.28	97	211519	55.939	ug/l	99
36) 1,1-Dichloropropene	7.52	75	184574	56.865	ug/l	100
37) Ethyl Acetate	6.60	43	166458	51.170	ug/l	100
38) Carbon Tetrachloride	7.50	117	169815	59.763	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	227728	57.384	ug/l	99
40) Benzene	7.78	78	536997	55.875	ug/l	98
41) Methacrylonitrile	6.87	41	80349m	52.026	ug/l	
42) 1,2-Dichloroethane	7.86	62	190427	55.607	ug/l	100
43) Isopropyl Acetate	7.91	43	289759	52.445	ug/l	99
44) Trichloroethene	8.60	130	155398	55.614	ug/l	98
45) 1,2-Dichloropropane	8.89	63	139333	54.796	ug/l	99
46) Dibromomethane	8.98	93	90367	55.459	ug/l	96
47) Bromodichloromethane	9.18	83	187249	58.298	ug/l	100
48) Methyl methacrylate	8.98	41	133467	51.306	ug/l	98
49) 1,4-Dioxane	8.97	88	24969	920.504	ug/l	97
51) 4-Methyl-2-Pentanone	9.78	43	819582	254.152	ug/l	99
52) Toluene	9.95	92	342377	56.906	ug/l	100
53) t-1,3-Dichloropropene	10.18	75	221365	56.321	ug/l	99
54) cis-1,3-Dichloropropene	9.63	75	232711	56.913	ug/l	99
55) 1,1,2-Trichloroethane	10.36	97	128331	55.360	ug/l	98
56) Ethyl methacrylate	10.23	69	200875	56.869	ug/l	99
57) 1,3-Dichloropropane	10.51	76	217621	55.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.48	63	488854	268.419	ug/l	100
59) 2-Hexanone	10.55	43	588338	246.960	ug/l	99
60) Dibromochloromethane	10.70	129	140670	58.035	ug/l	99
61) 1,2-Dibromoethane	10.80	107	136039	56.947	ug/l	99
64) Tetrachloroethene	10.43	164	168827	53.464	ug/l	98
65) Chlorobenzene	11.24	112	357887	57.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.31	131	129748	58.386	ug/l	99
67) Ethyl Benzene	11.32	91	662690	56.752	ug/l	100
68) m/p-Xylenes	11.43	106	503173	115.393	ug/l	99
69) o-Xylene	11.75	106	238742	56.708	ug/l	100
70) Styrene	11.77	104	403130	59.126	ug/l	100
71) Bromoform	11.93	173	98608	58.858	ug/l #	99
73) Isopropylbenzene	12.06	105	646228	56.337	ug/l	100
74) N-amyl acetate	11.89	43	271329	52.620	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.32	83	163112	53.062	ug/l	99
76) 1,2,3-Trichloropropane	12.36	75	148835m	42.496	ug/l	
77) Bromobenzene	12.33	156	155540	55.653	ug/l	99
78) n-propylbenzene	12.40	91	764157	56.795	ug/l	100
79) 2-Chlorotoluene	12.48	91	434412	55.605	ug/l	100
80) 1,3,5-Trimethylbenzene	12.55	105	544566	56.338	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.11	75	69826	52.358	ug/l #	91
82) 4-Chlorotoluene	12.58	91	467639	56.419	ug/l	100
83) tert-Butylbenzene	12.81	119	455433	56.105	ug/l	99
84) 1,2,4-Trimethylbenzene	12.85	105	542343	56.337	ug/l	100
85) sec-Butylbenzene	12.99	105	621893	56.616	ug/l	100
86) p-Isopropyltoluene	13.10	119	567487	56.920	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	281474	56.825	ug/l	100
88) 1,4-Dichlorobenzene	13.17	146	282972	56.279	ug/l	99
89) n-Butylbenzene	13.43	91	531211	58.394	ug/l	100
90) Hexachloroethane	13.68	117	61755	58.950	ug/l	99
91) 1,2-Dichlorobenzene	13.46	146	262934	57.055	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.08	75	34037	51.008	ug/l	96

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QLast Update : Wed Apr 22 15:26:40 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.72	180	182162	59.100	ug/l	99
94) Hexachlorobutadiene	14.82	225	83120	61.838	ug/l	98
95) Naphthalene	14.93	128	523010	54.957	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	172268	58.164	ug/l	100

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

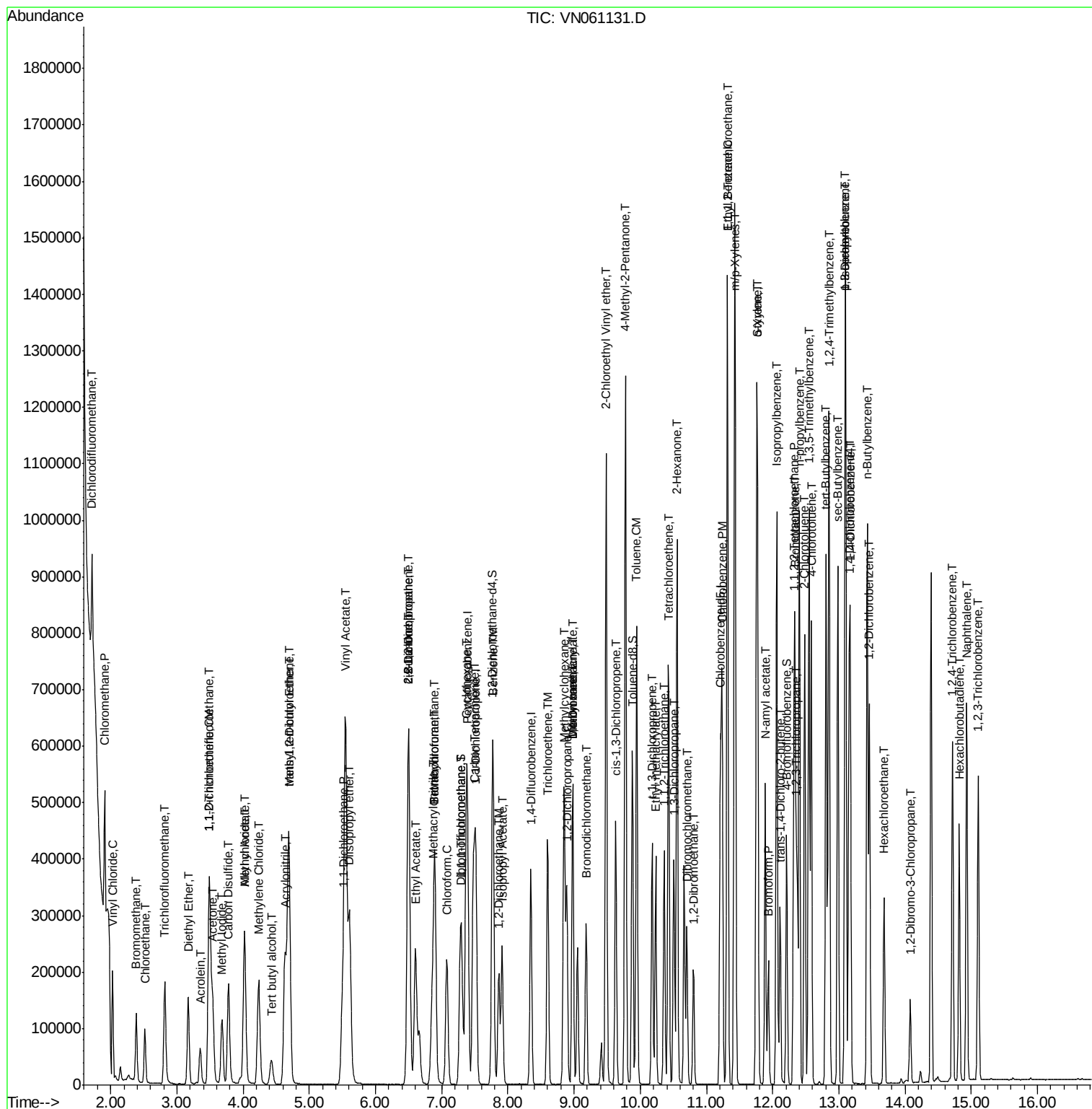
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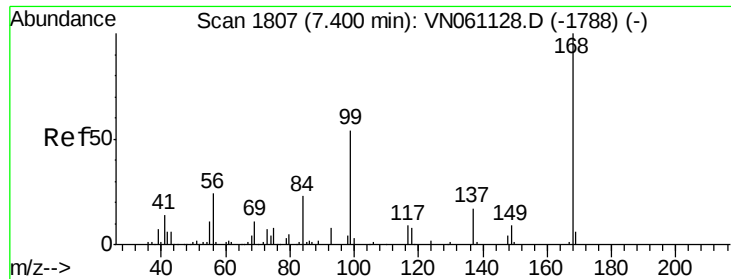
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.39 min Scan# 1805

Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

ICVFN042220

Tot Ion:168 Resp: 207124

Ion Ratio Lower Upper

168 100

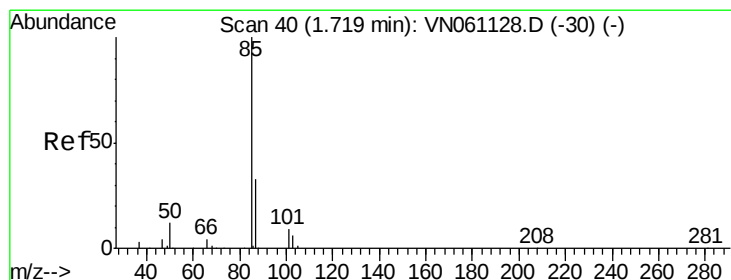
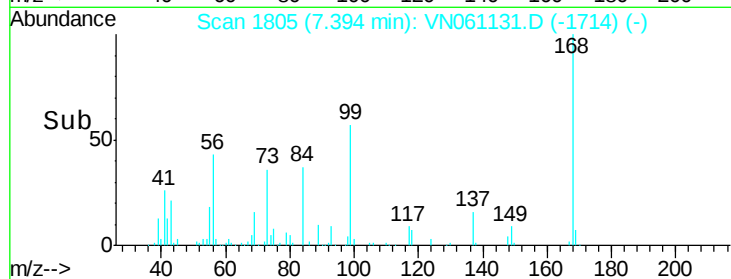
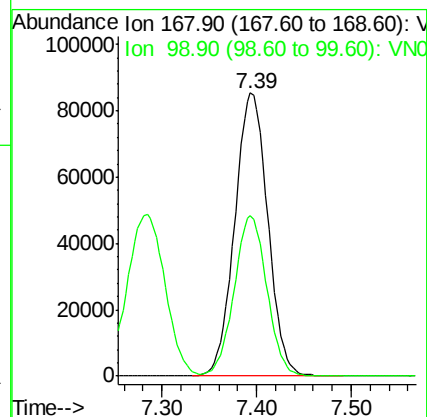
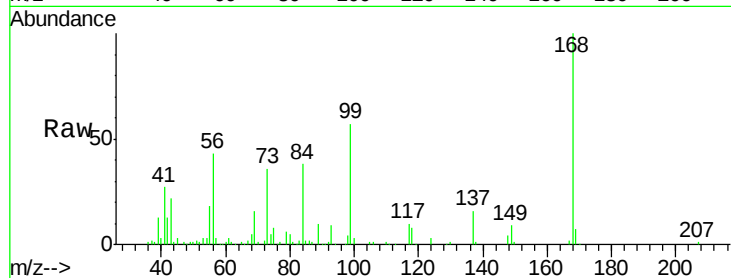
99 56.8 44.3 66.5

Manual Integrations

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4/24/2020 1:35:05 PM



#2

Dichlorodifluoromethane

Concen: 60.013 ug/l

RT: 1.72 min Scan# 40

Delta R.T. 0.00 min

Lab File: VN061131.D

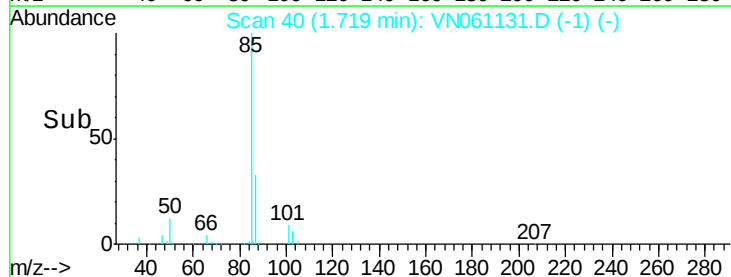
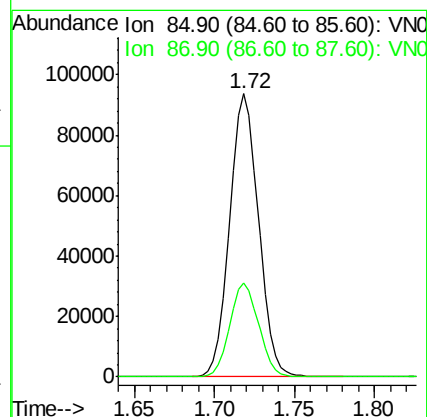
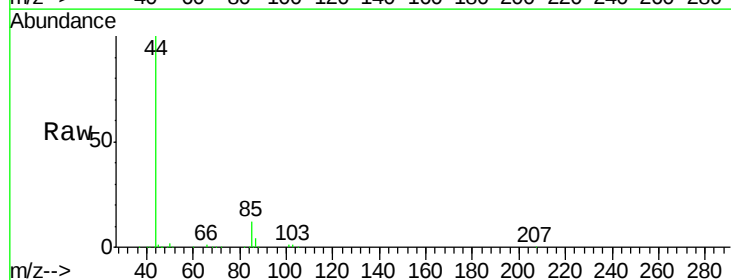
Acq: 22 Apr 2020 15:51

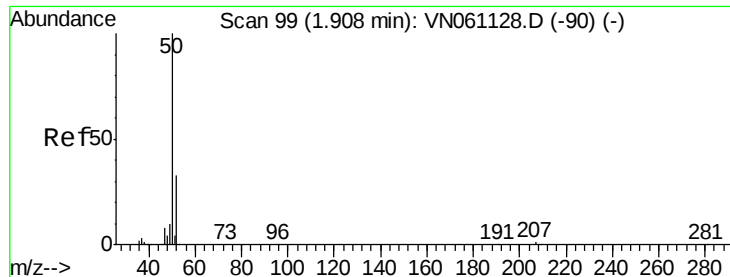
Tgt Ion: 85 Resp: 115582

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.1





#3

Chloromethane

Concen: 58.218 ug/l

RT: 1.91 min Scan# 99

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042220

Tot Ion: 50 Resp: 136947

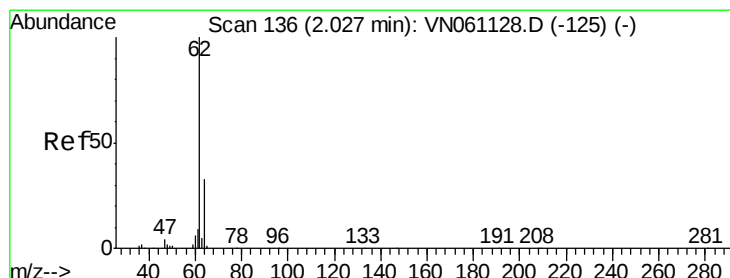
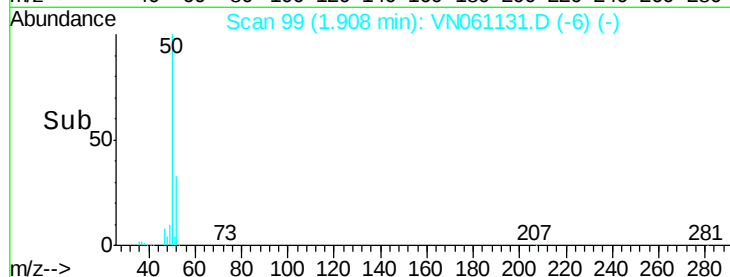
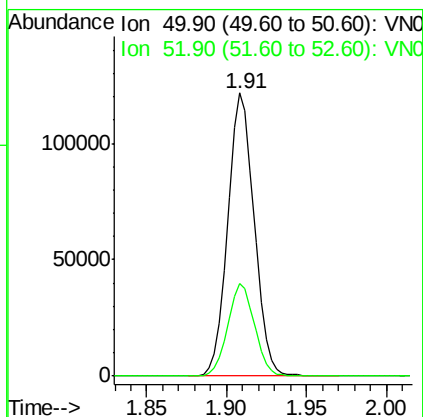
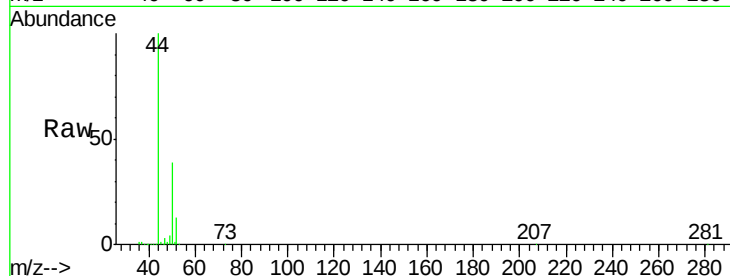
Ion Ratio Lower Upper

50 100

52 32.5 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 54.706 ug/l

RT: 2.03 min Scan# 136

Delta R.T. 0.00 min

Lab File: VN061131.D

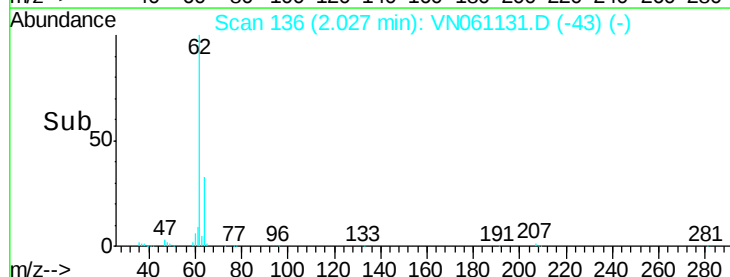
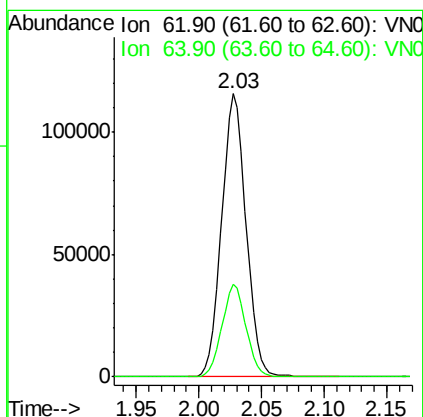
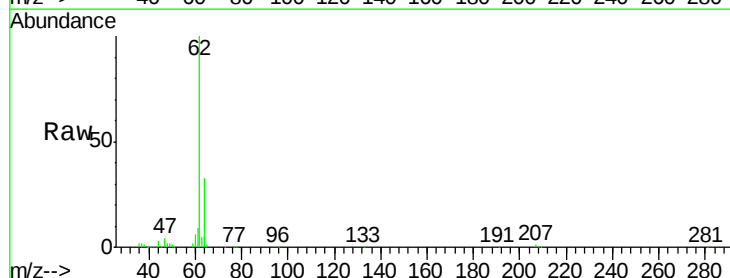
Acq: 22 Apr 2020 15:51

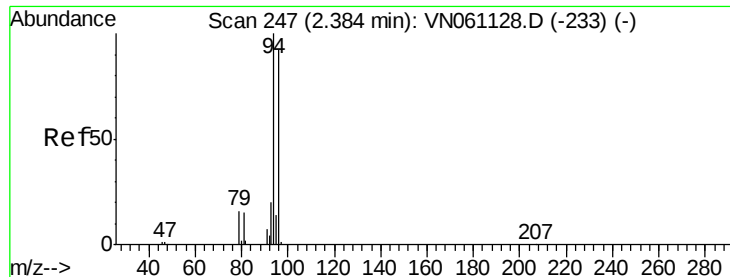
Tgt Ion: 62 Resp: 156178

Ion Ratio Lower Upper

62 100

64 32.7 26.6 40.0





#5

Bromomethane

Concen: 55.443 ug/l

RT: 2.39 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 76927

Ion Ratio Lower Upper

94 100

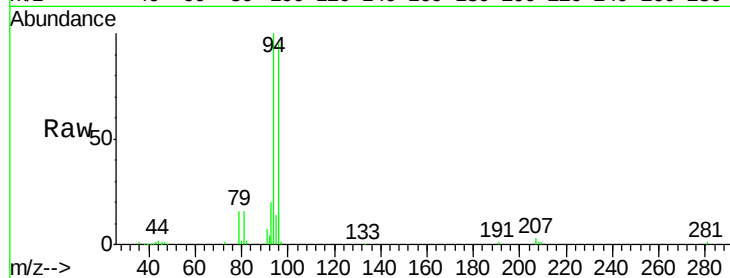
96 94.3 73.6 110.4

Manual Integrations

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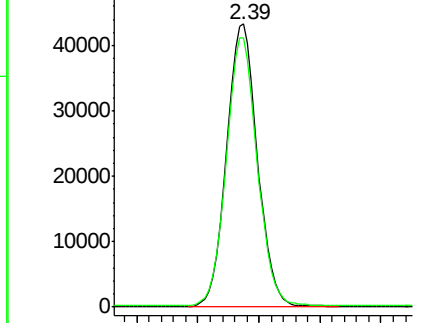
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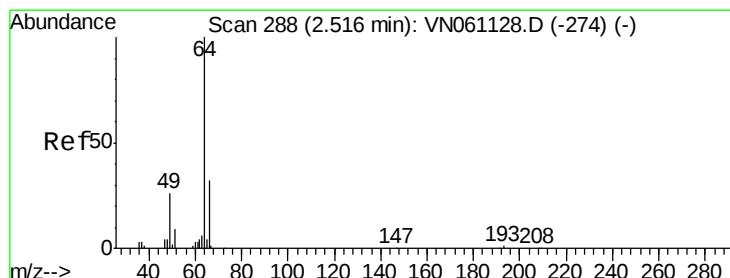
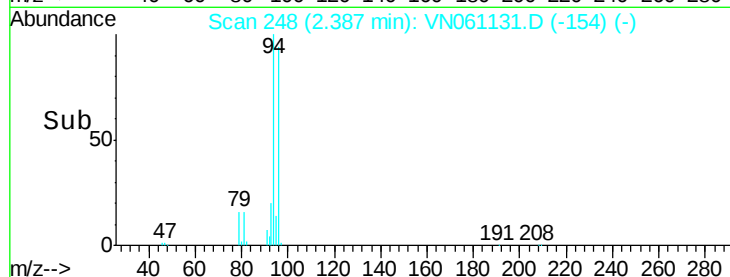


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 55.602 ug/l

RT: 2.52 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN061131.D

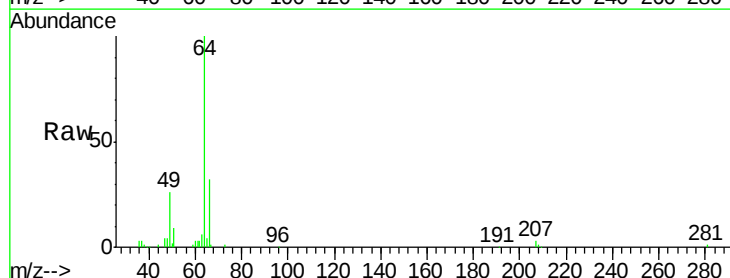
Acq: 22 Apr 2020 15:51

Tgt Ion: 64 Resp: 83855

Ion Ratio Lower Upper

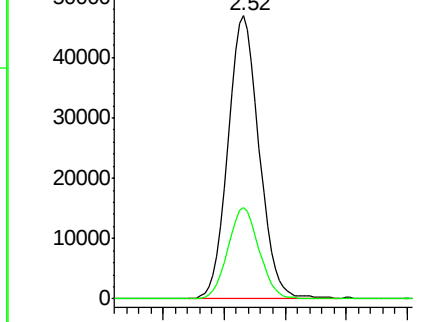
64 100

66 32.3 25.4 38.2

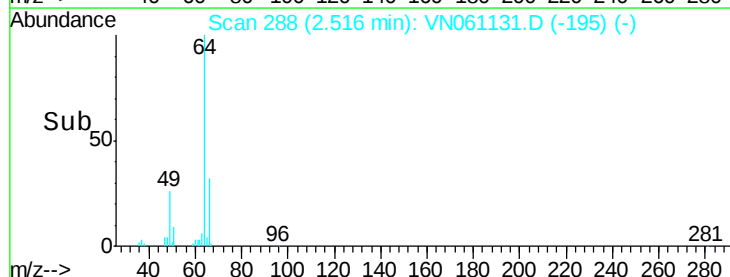


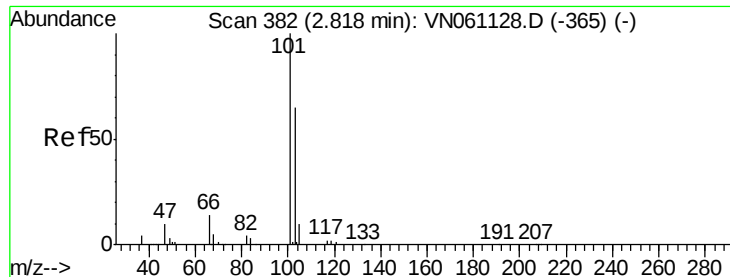
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

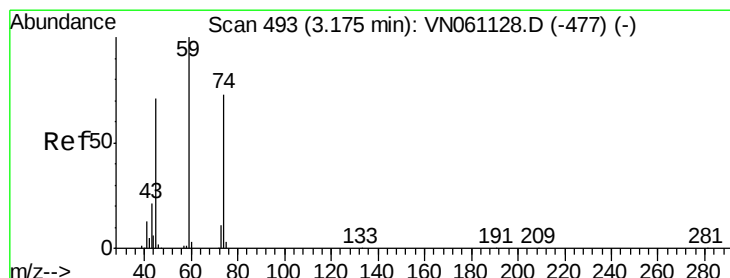
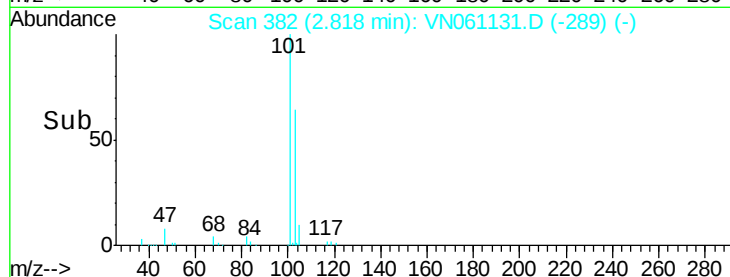
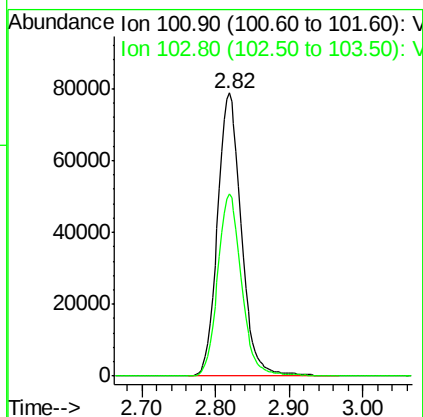
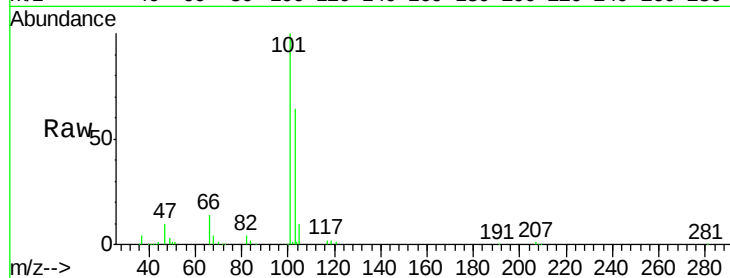
Trichlorofluoromethane
Concen: 58.113 ug/l
RT: 2.82 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.1	78.1

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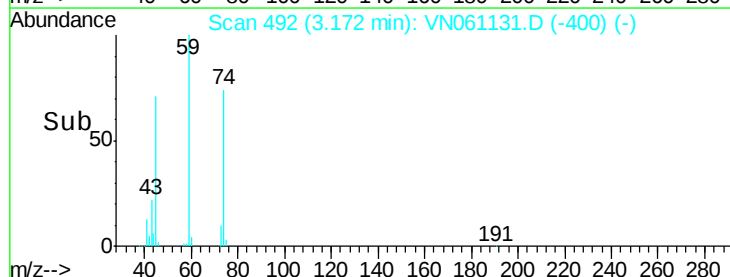
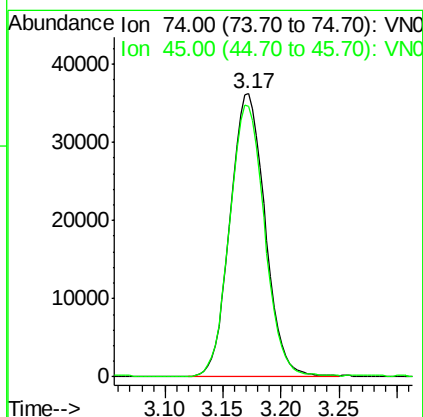
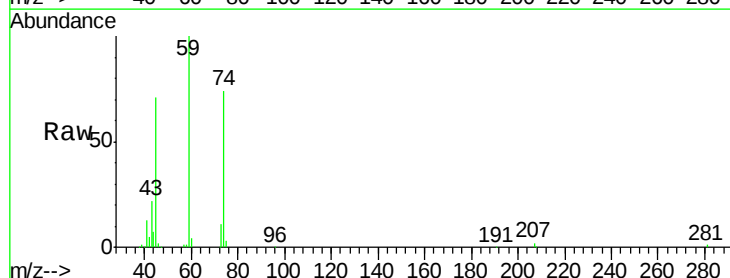
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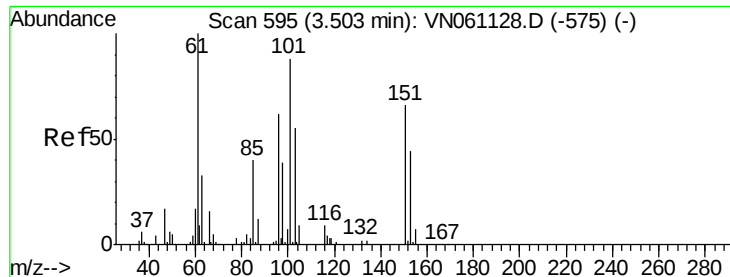


#8

Diethyl Ether
Concen: 53.912 ug/l
RT: 3.17 min Scan# 492
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	49.1	147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.619 ug/l

RT: 3.50 min Scan# 594

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

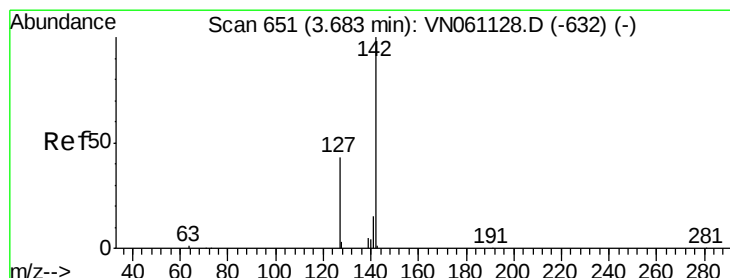
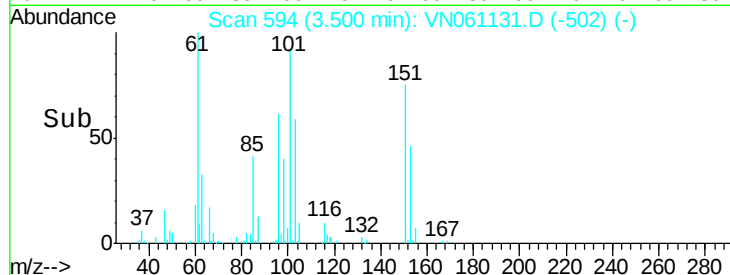
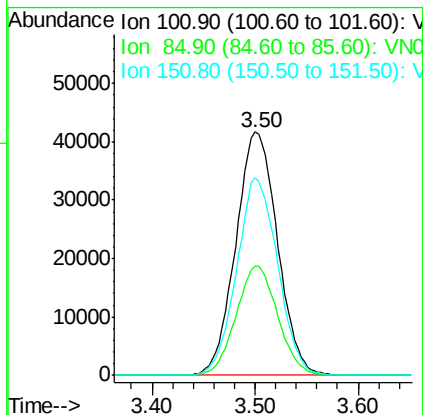
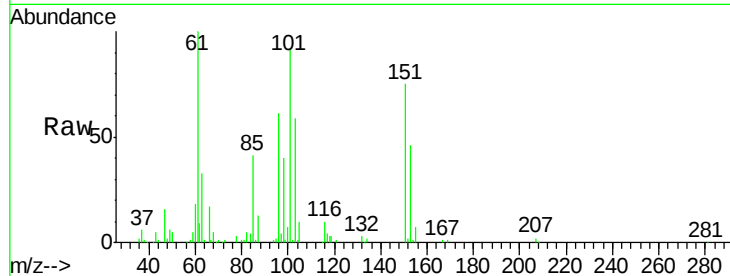
ClientSampleId :

ICVVN042220

Tot Ion:	101	Resp:	117191
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.2	54.4
151	79.9	61.8	92.8

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#10

Methyl Iodide

Concen: 57.485 ug/l

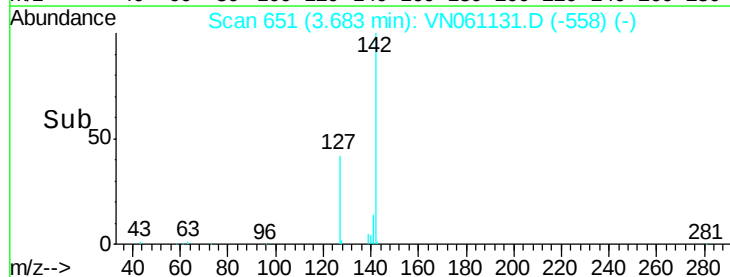
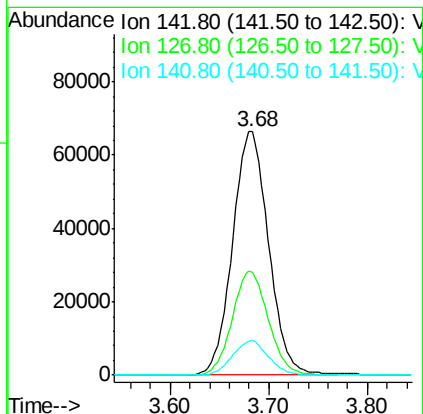
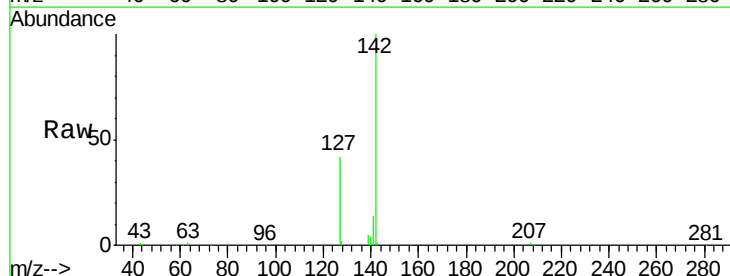
RT: 3.68 min Scan# 651

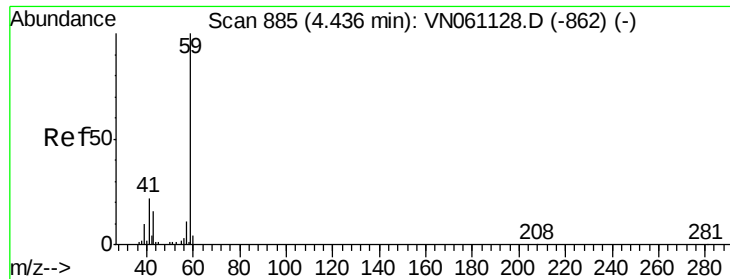
Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Tgt Ion:	142	Resp:	168616
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.2	51.4
141	14.0	11.3	16.9





#11

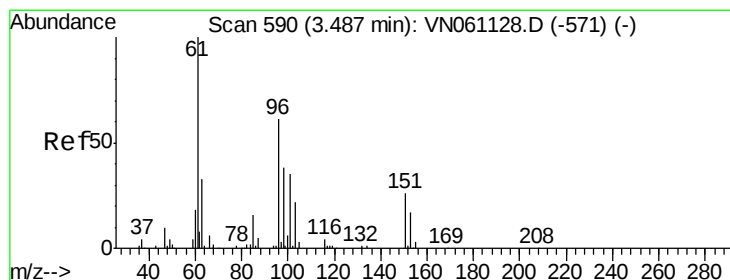
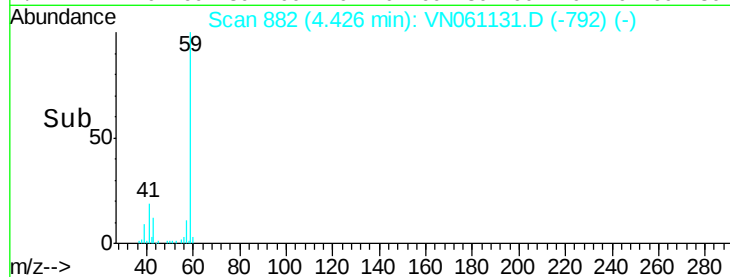
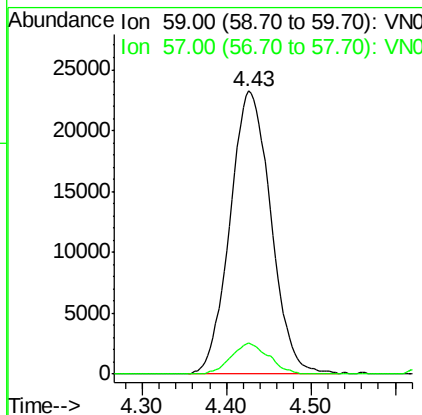
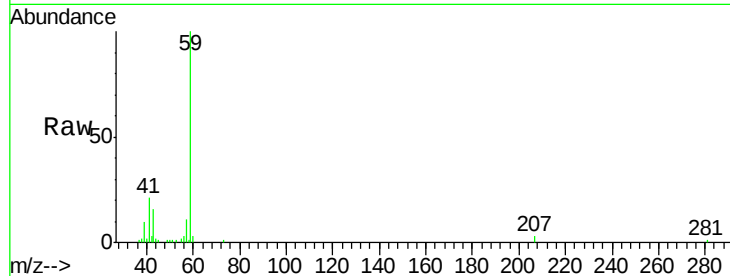
Tert butyl alcohol
 Concen: 221.379 ug/l
 RT: 4.43 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042220

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
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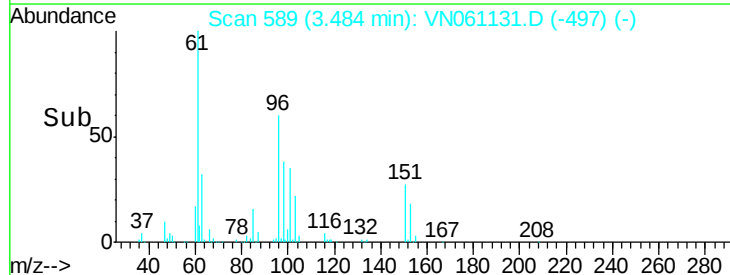
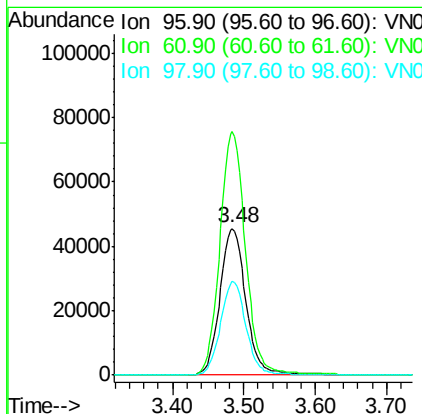
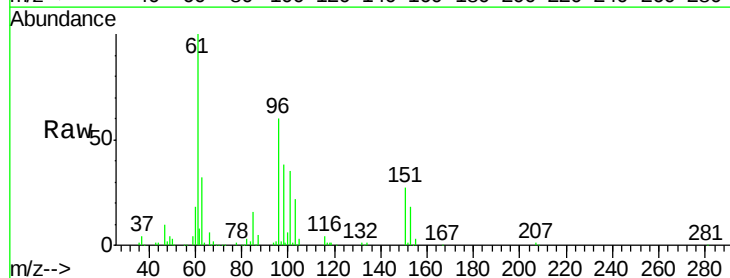
MMDadoda
 4/24/2020 1:35:05 PM

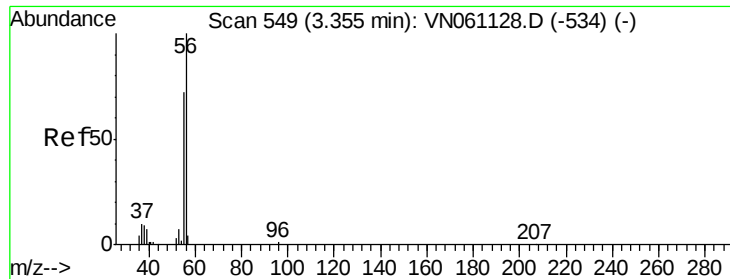


#12

1,1-Dichloroethene
 Concen: 55.763 ug/l
 RT: 3.48 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.8	130.8	196.2
98	63.7	49.4	74.2





#13

Acrolein

Concen: 250.526 ug/l

RT: 3.35 min Scan# 548

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042220

Tot Ion: 56 Resp: 67744

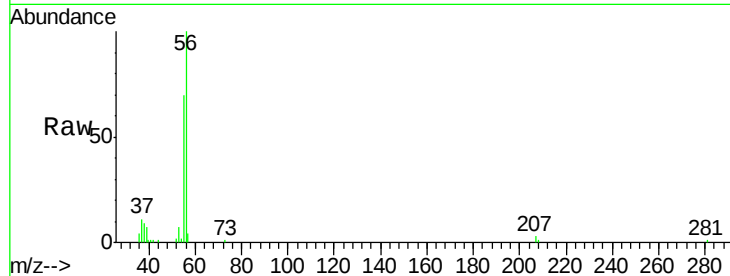
Ion Ratio Lower Upper

56 100

55 69.8 57.4 86.0

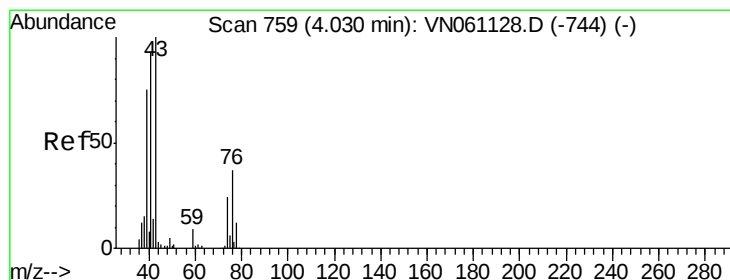
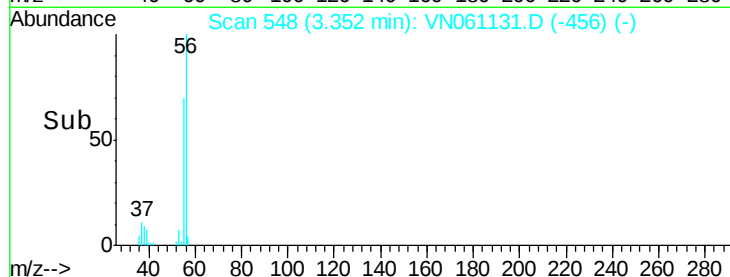
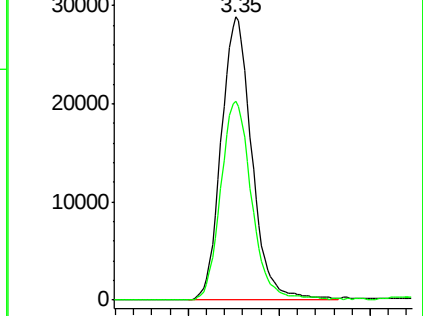
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 64.067 ug/l

RT: 4.03 min Scan# 758

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

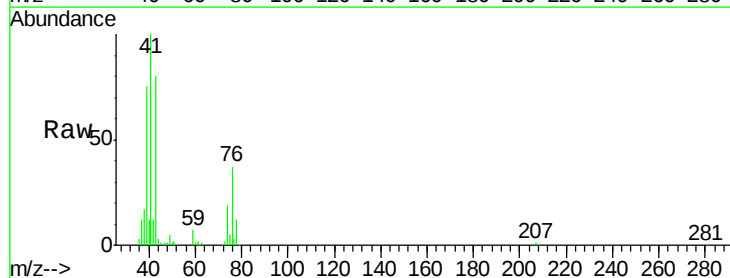
Tgt Ion: 41 Resp: 171279

Ion Ratio Lower Upper

41 100

39 75.1 61.0 91.4

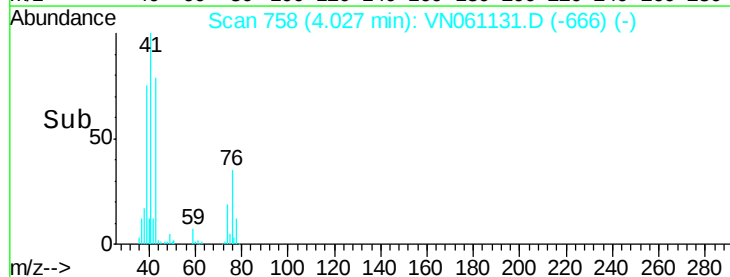
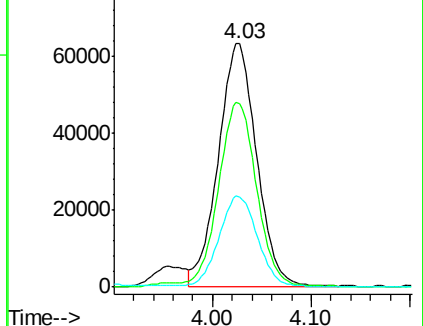
76 38.3 28.9 43.3

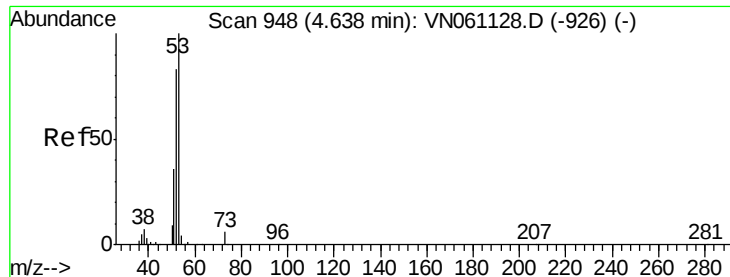


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 252.905 ug/l

RT: 4.63 min Scan# 946

Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

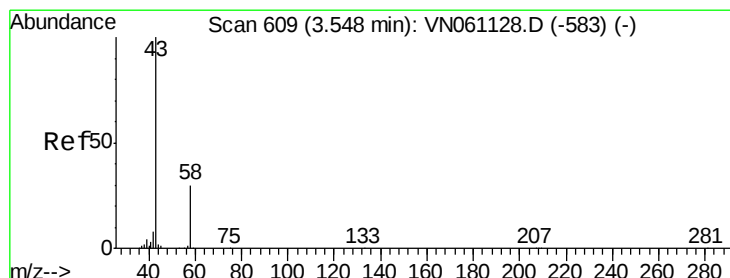
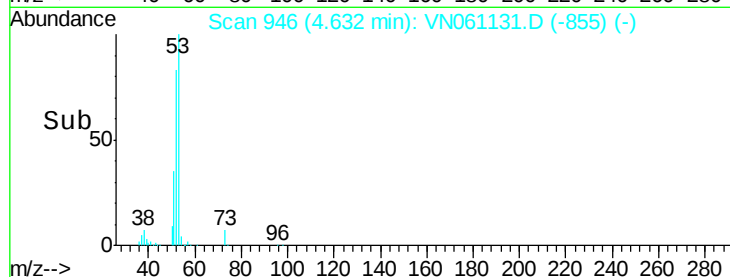
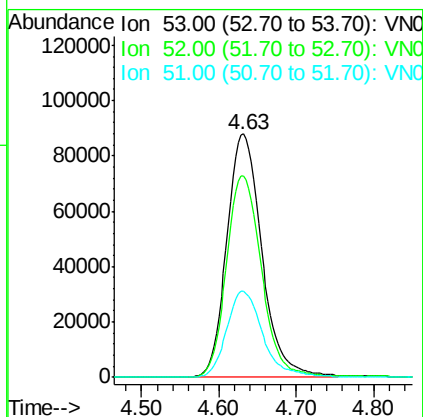
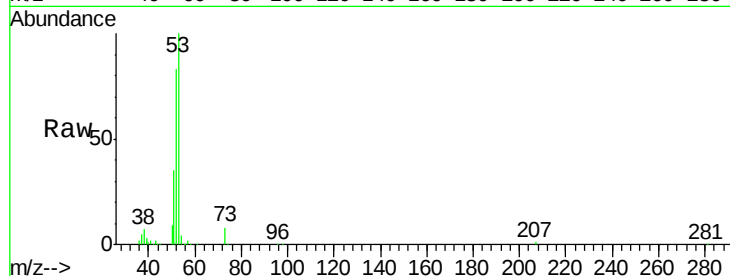
ClientSampleId :

ICVVN042220

Tot Ion:	53	Resp:	277299
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.1	99.1
51	36.6	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 225.316 ug/l

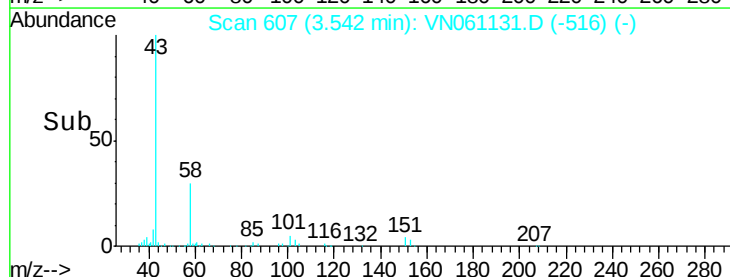
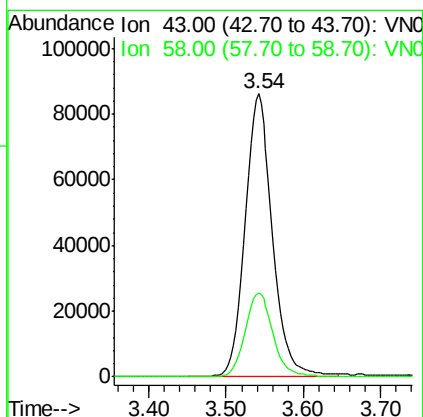
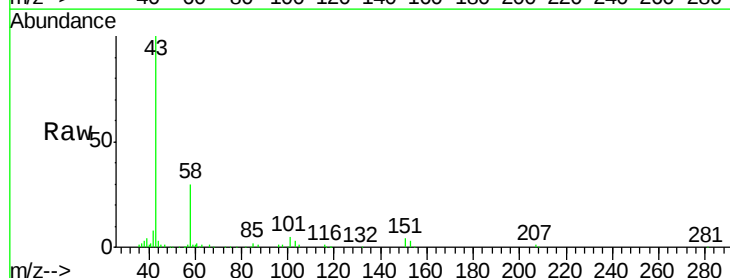
RT: 3.54 min Scan# 607

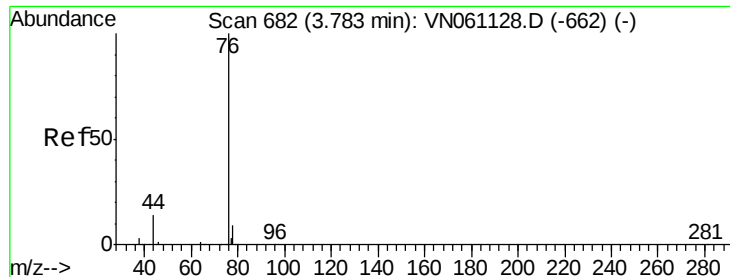
Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Tgt Ion:	43	Resp:	212601
Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4





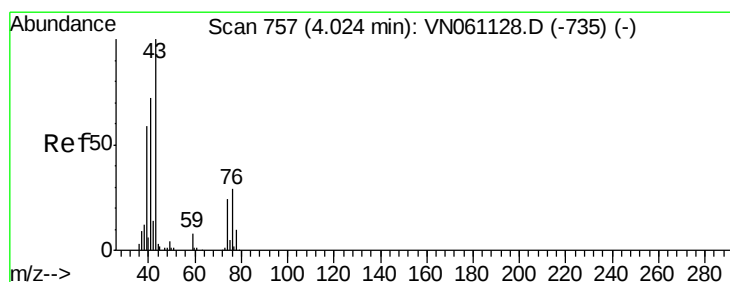
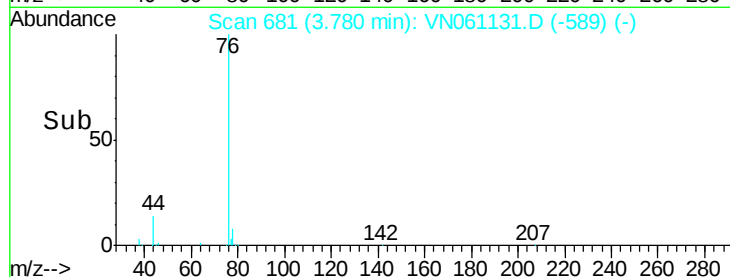
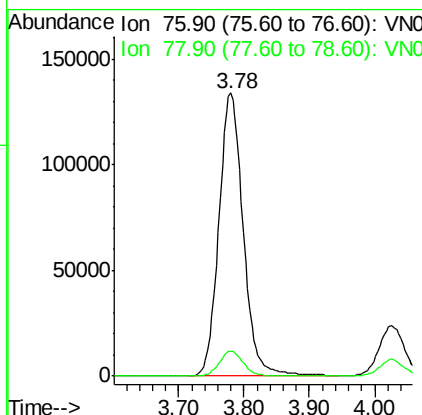
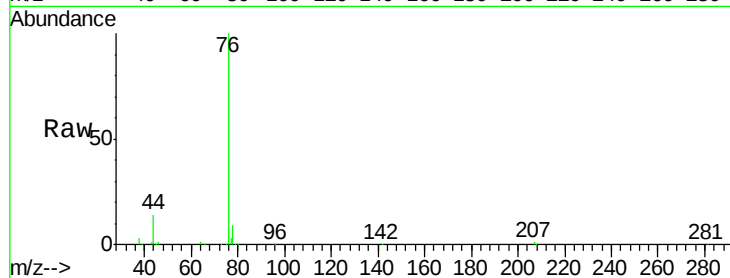
#17
Carbon Disulfide
Concen: 56.219 ug/l
RT: 3.78 min Scan# 681
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

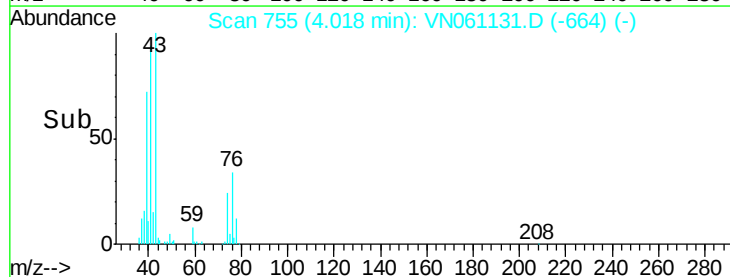
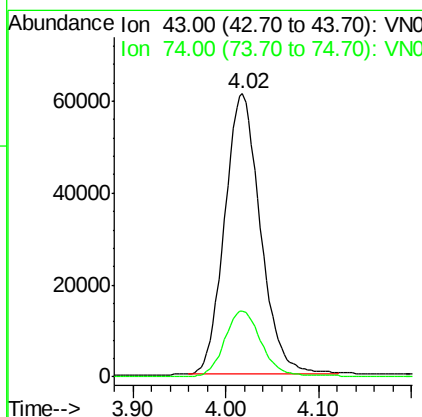
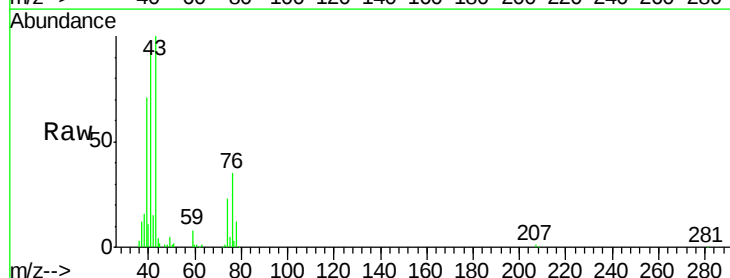
Manual Integrations
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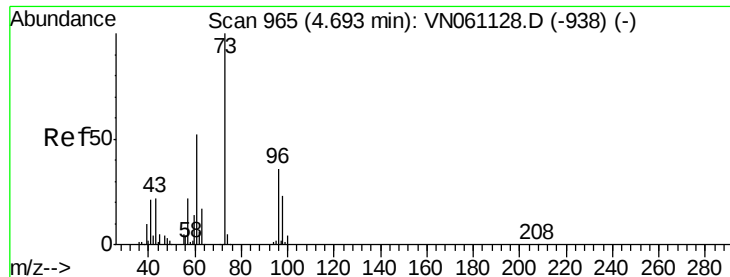
MMDadoda
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#18
Methyl Acetate
Concen: 49.986 ug/l
RT: 4.02 min Scan# 755
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.4	29.0





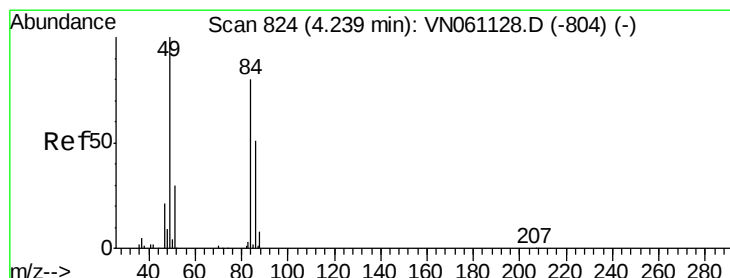
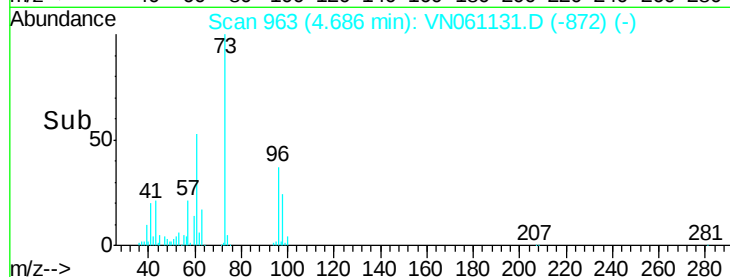
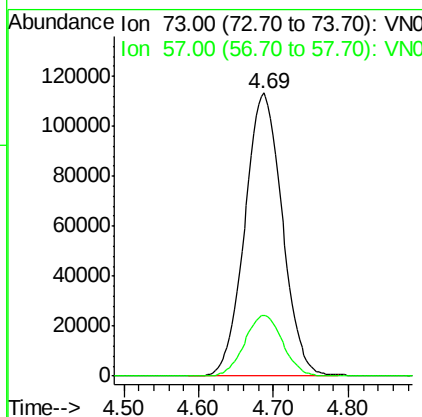
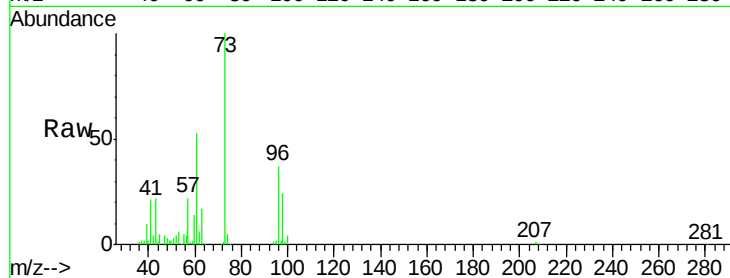
#19
Methyl tert-butyl Ether
Concen: 53.731 ug/l
RT: 4.69 min Scan# 963
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion: 73 Resp: 392982
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.8

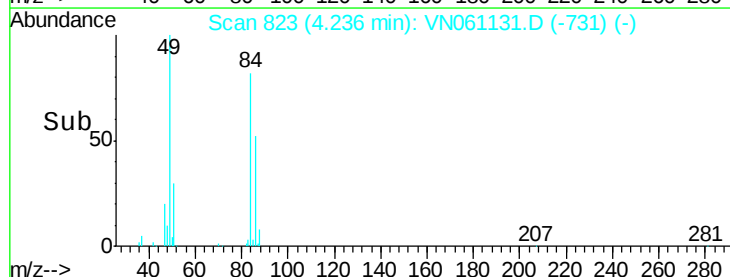
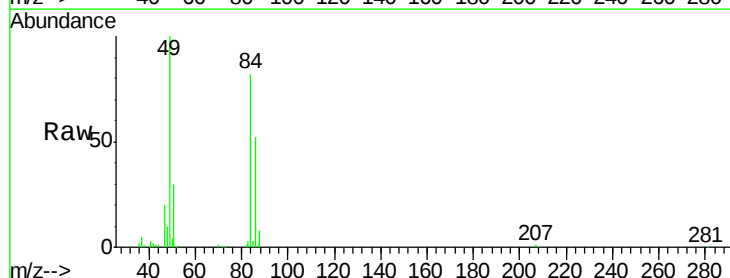
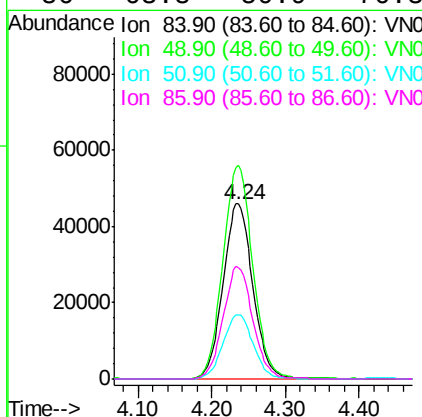
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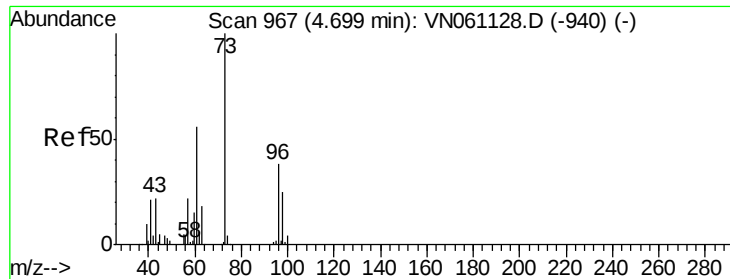
MMDadoda
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#20
Methylene Chloride
Concen: 53.923 ug/l
RT: 4.24 min Scan# 823
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 84 Resp: 129389
Ion Ratio Lower Upper
84 100
49 122.0 99.8 149.6
51 36.7 29.9 44.9
86 63.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 52.363 ug/l

RT: 4.69 min Scan# 965

Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

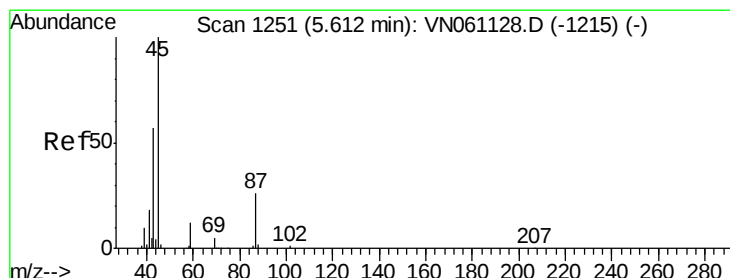
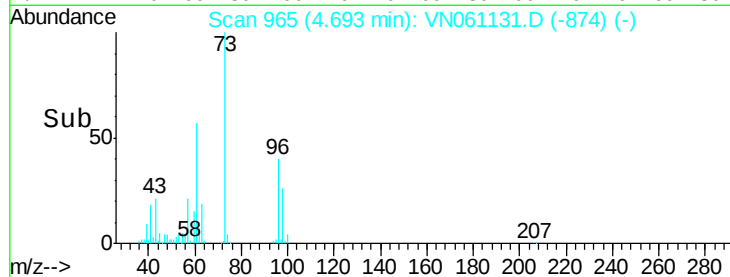
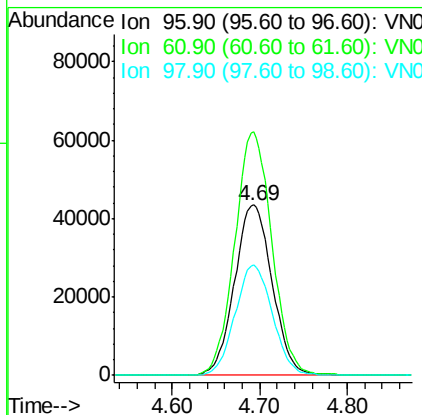
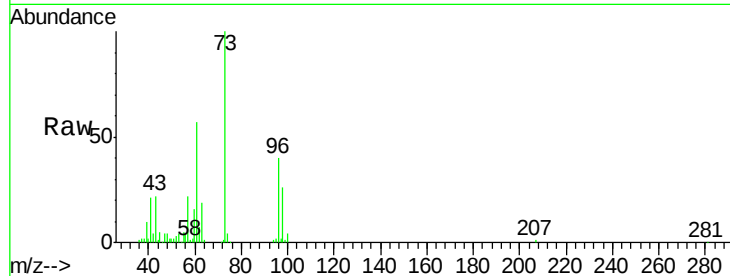
ClientSampleId :

ICVVN042220

Tot Ion:	96	Resp:	129925
Ion	Ratio	Lower	Upper
96	100		
61	143.1	116.4	174.6
98	64.6	51.4	77.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.790 ug/l

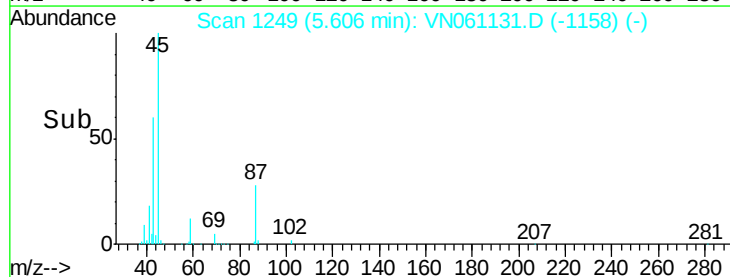
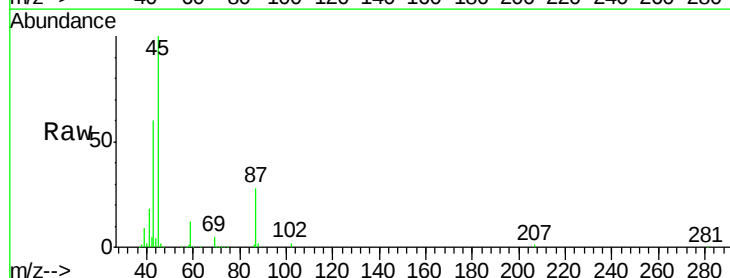
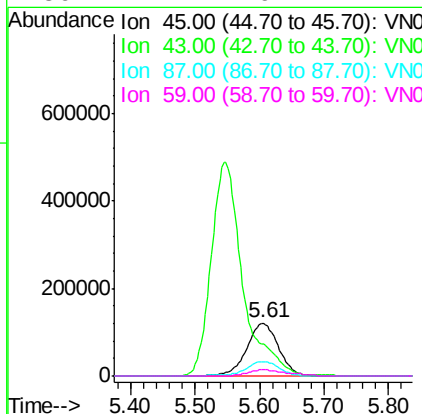
RT: 5.61 min Scan# 1249

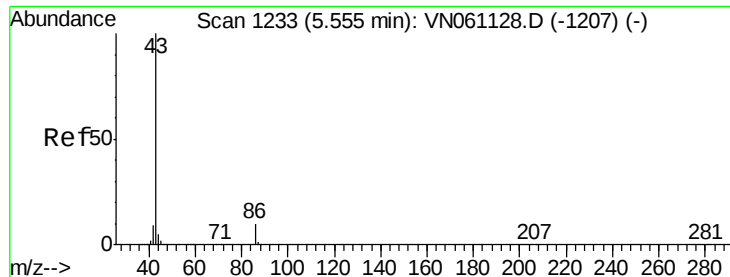
Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Tgt Ion:	45	Resp:	415119
Ion	Ratio	Lower	Upper
45	100		
43	58.4	48.4	72.6
87	27.7	21.4	32.0
59	12.1	9.4	14.2





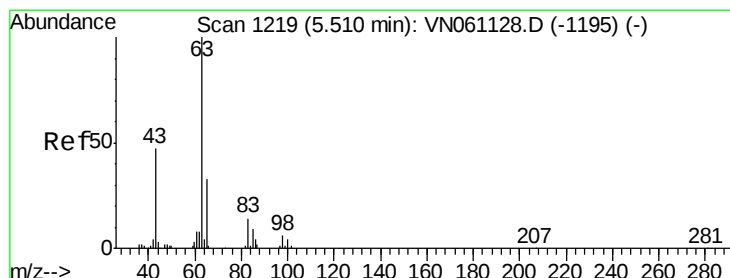
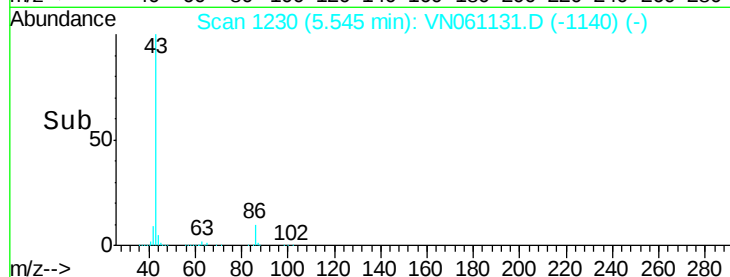
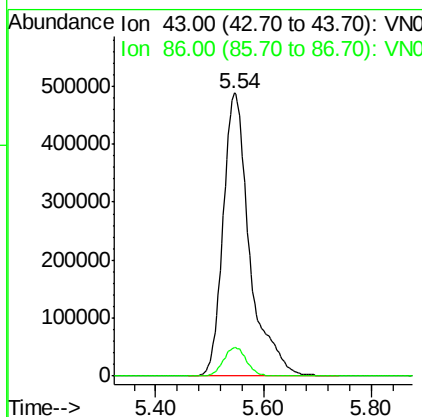
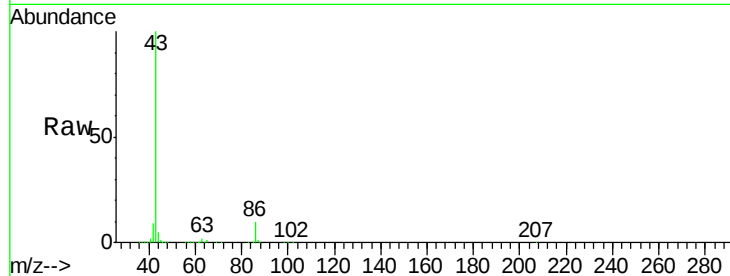
#23
 Vinyl Acetate
 Concen: 274.352 ug/l
 RT: 5.54 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042220

Tot Ion: 43 Resp: 1665795
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.8 11.8

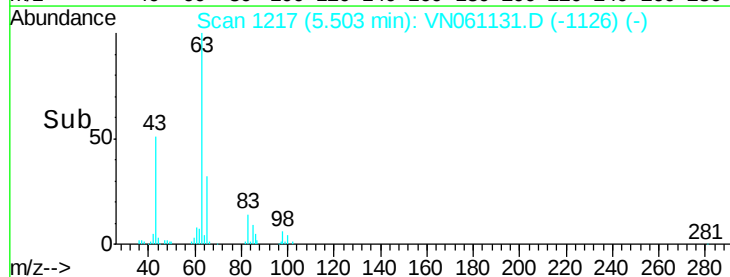
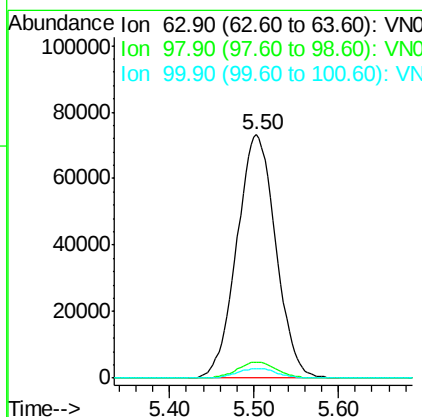
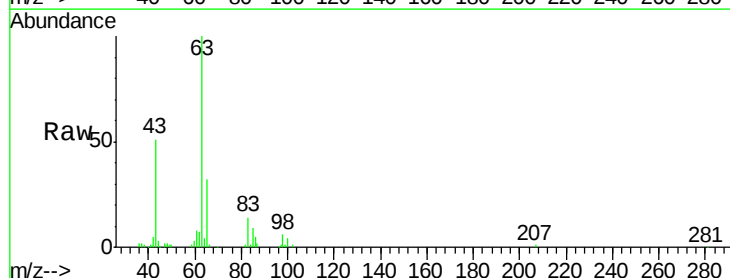
Manual Integrations
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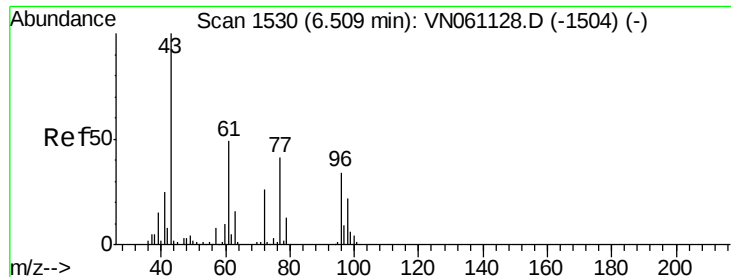
MMDadoda
 4/24/2020 1:35:05 PM



#24
 1,1-Dichloroethane
 Concen: 56.015 ug/l
 RT: 5.50 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion: 63 Resp: 234843
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 239.840 ug/l

RT: 6.50 min Scan# 1528

Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042220

Tot Ion: 43 Resp: 358956

Ion Ratio Lower Upper

43 100

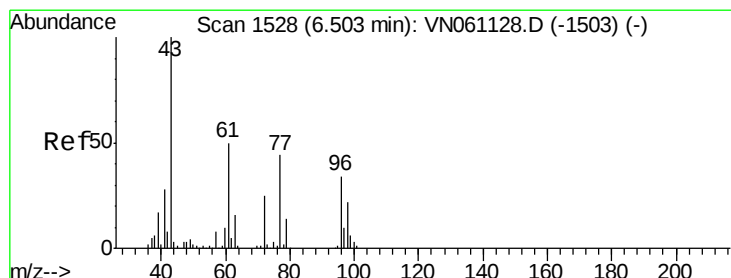
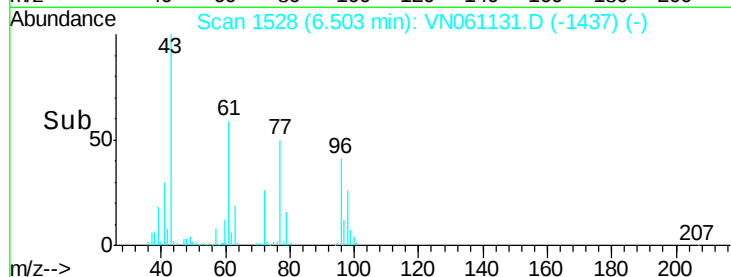
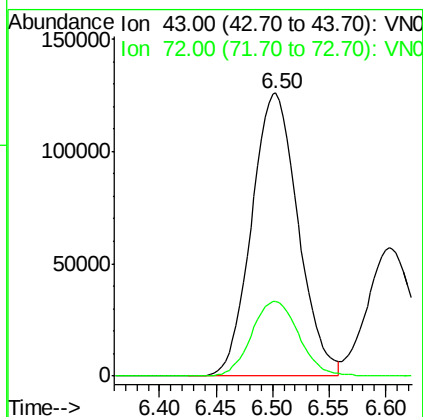
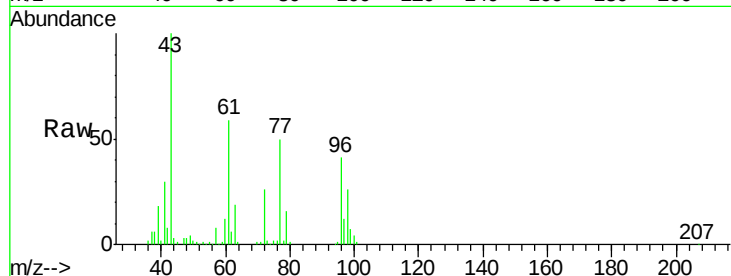
72 26.3 20.8 31.2

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#26

2,2-Dichloropropane

Concen: 56.812 ug/l

RT: 6.49 min Scan# 1525

Delta R.T. -0.01 min

Lab File: VN061131.D

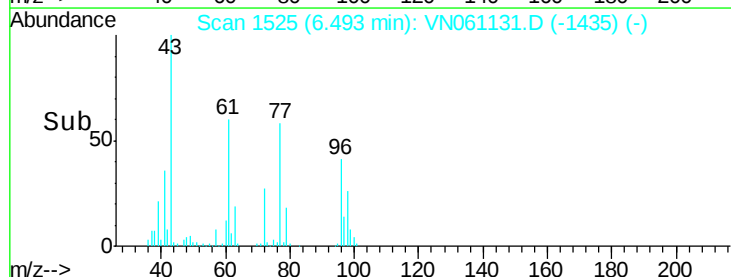
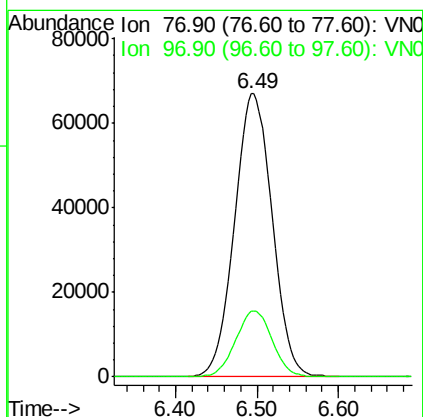
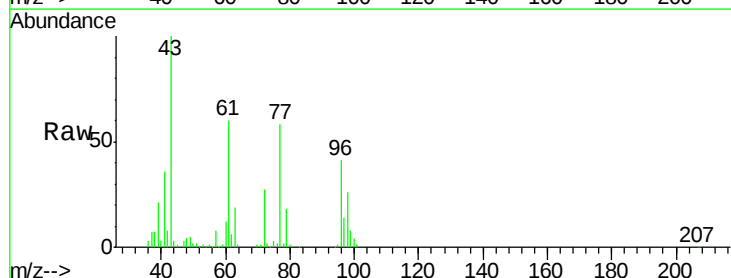
Acq: 22 Apr 2020 15:51

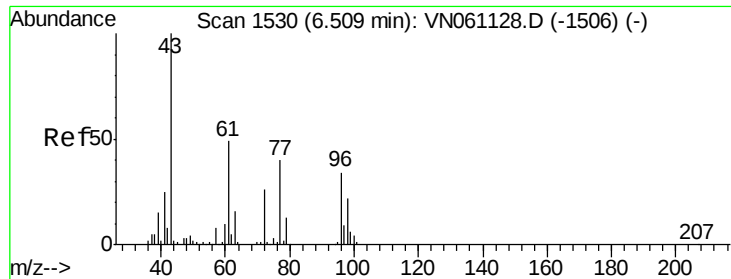
Tgt Ion: 77 Resp: 214491

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 53.397 ug/l

RT: 6.50 min Scan# 1528

Delta R.T. -0.01 min

Lab File: VN061131.D

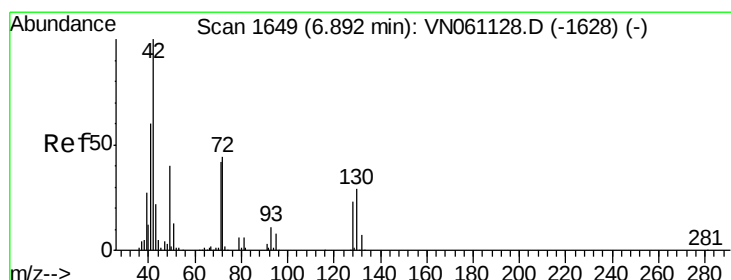
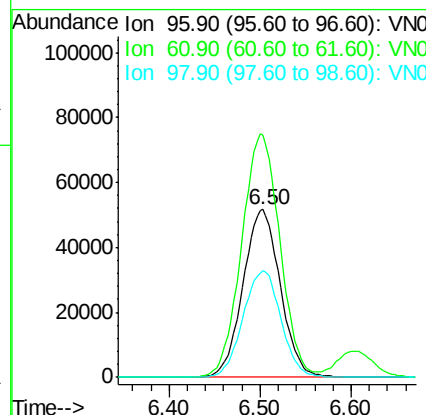
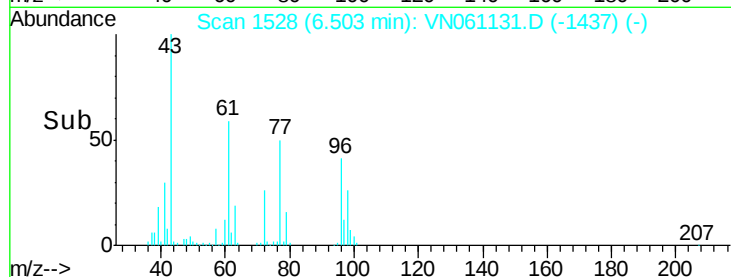
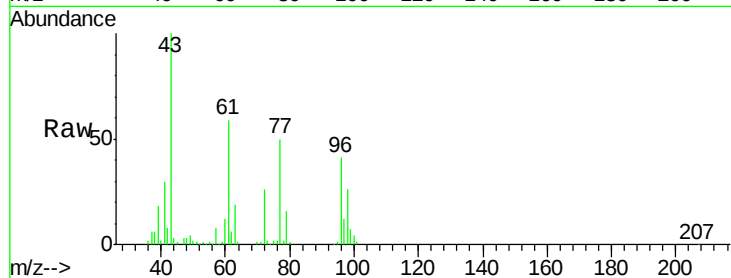
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.6	0.0	300.4	
98	64.6	0.0	129.6	

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#28

Bromochloromethane

Concen: 51.679 ug/l

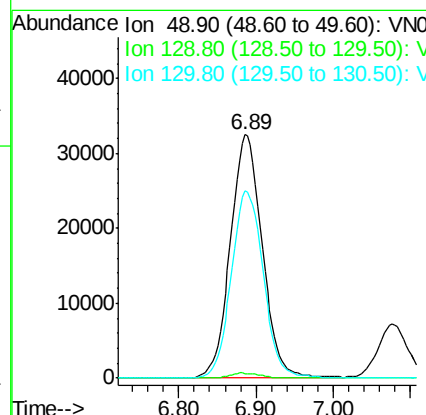
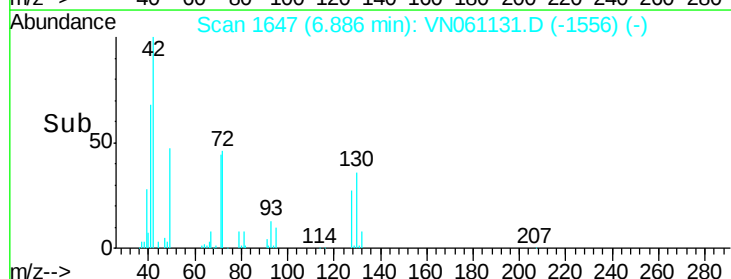
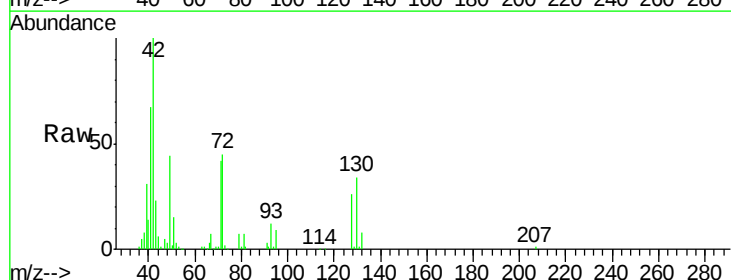
RT: 6.89 min Scan# 1647

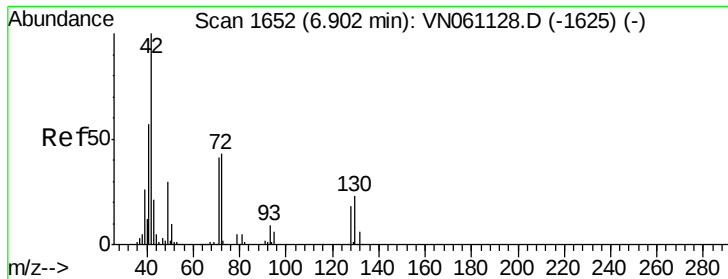
Delta R.T. -0.01 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	2.2	
130	77.0	59.7	89.5	





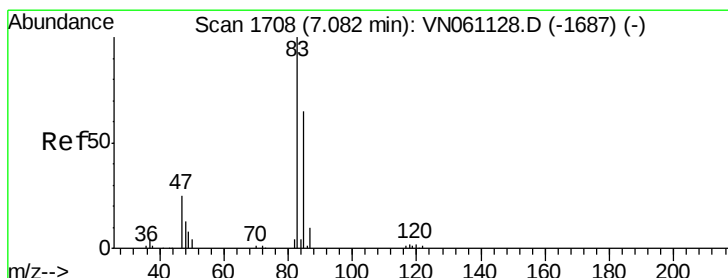
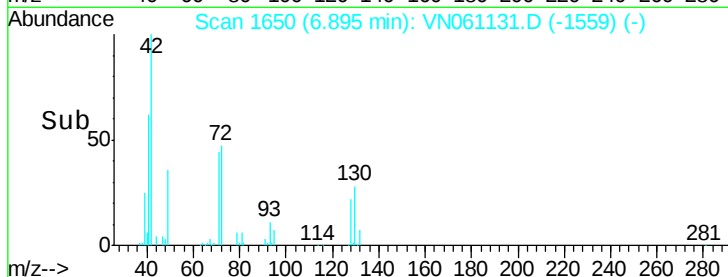
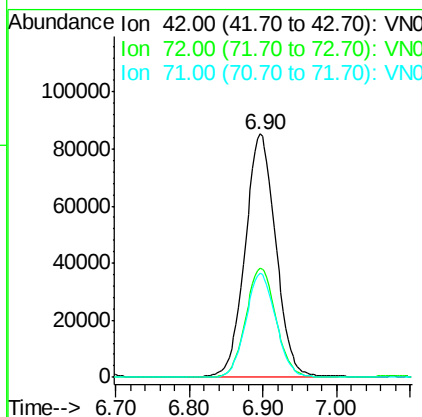
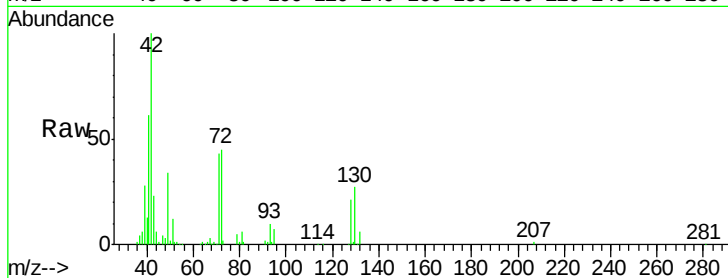
#29
Tetrahydrofuran
Concen: 240.696 ug/l
RT: 6.90 min Scan# 1650
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.1	52.7
71	41.8	33.0	49.6

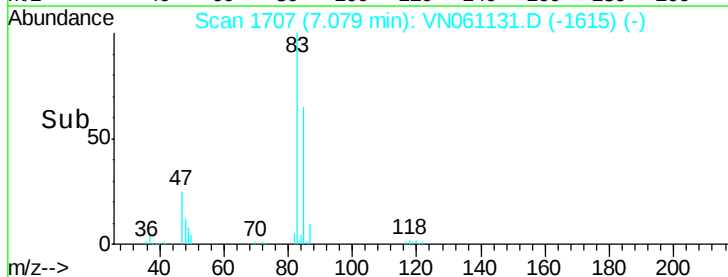
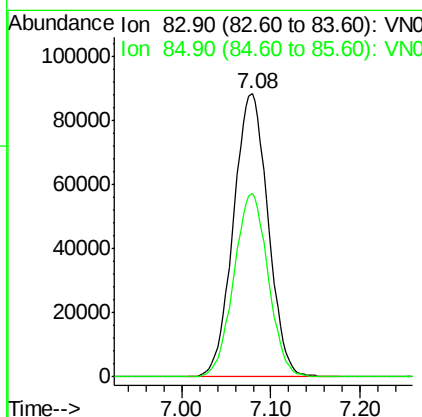
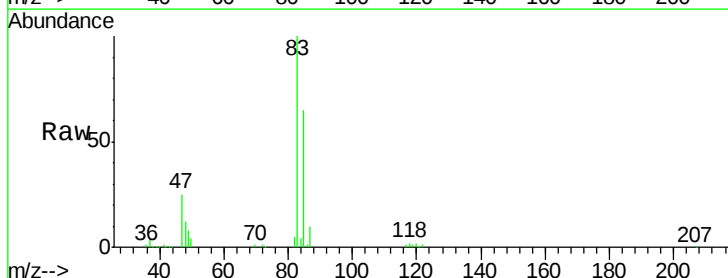
Manual Integrations
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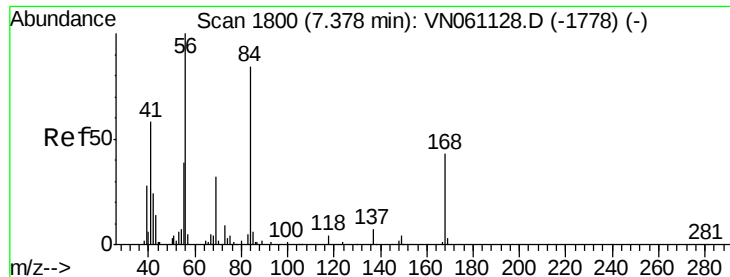
MMDadoda
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#30
Chloroform
Concen: 56.297 ug/l
RT: 7.08 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.4





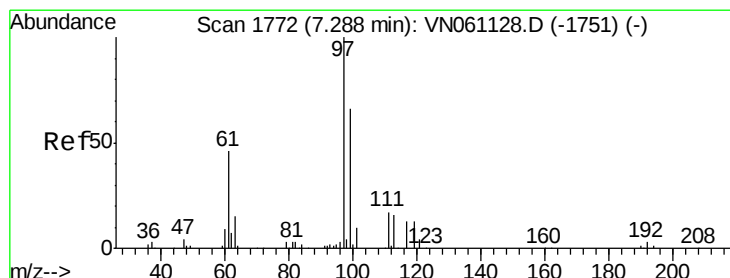
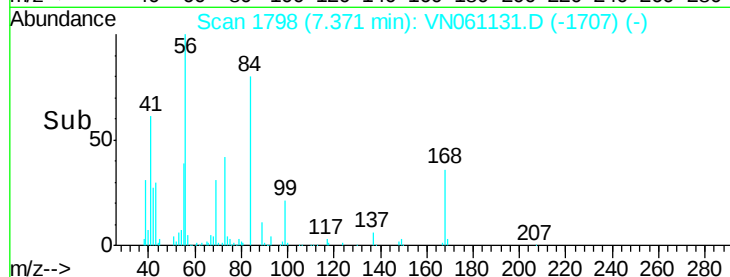
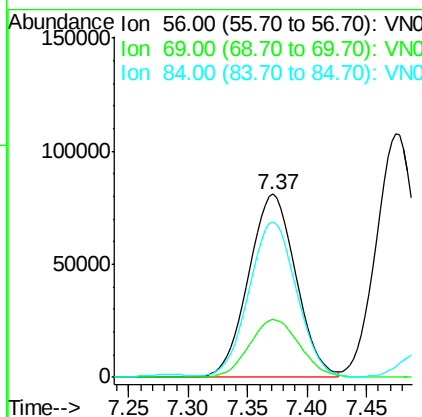
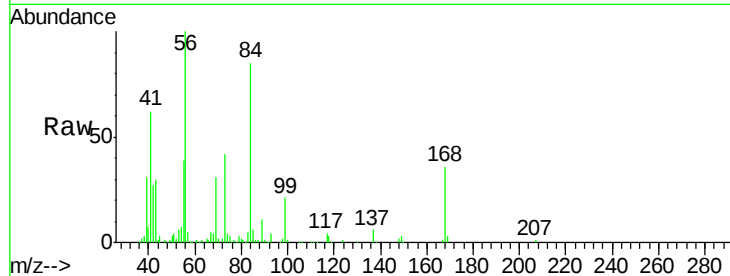
#31
Cvclohexane
Concen: 53.019 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.3	25.9	38.9	
84	83.7	67.4	101.0	

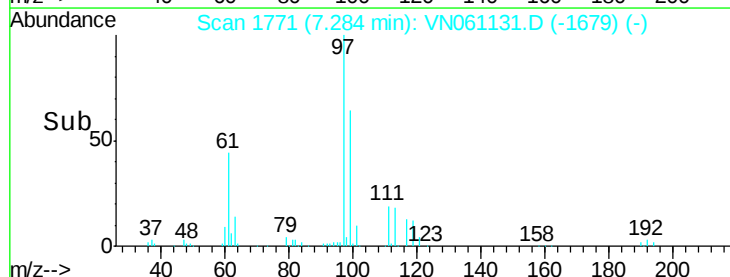
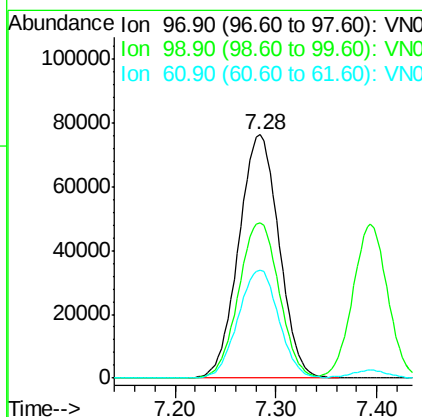
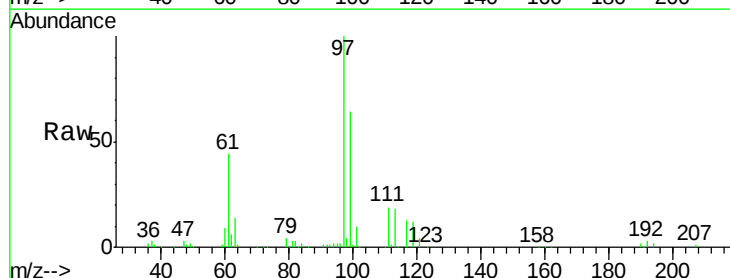
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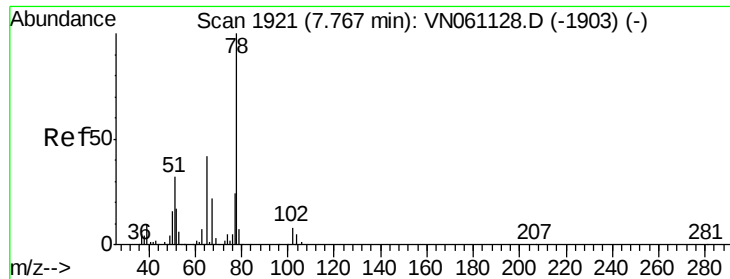
MMDadoda
4/24/2020 1:35:05 PM



#32
1,1,1-Trichloroethane
Concen: 55.939 ug/l
RT: 7.28 min Scan# 1771
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	52.0	78.0	
61	44.9	35.9	53.9	





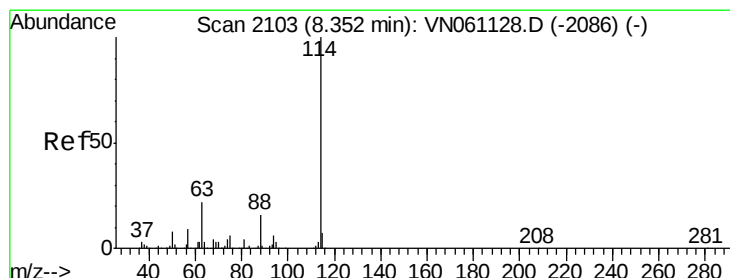
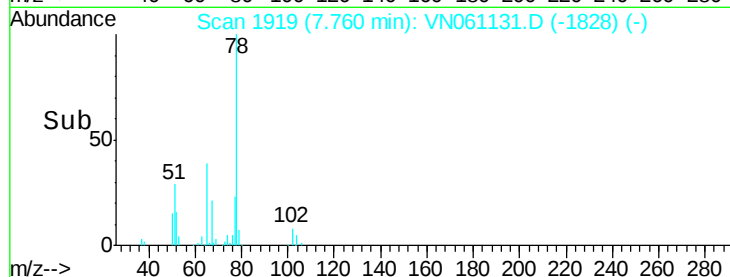
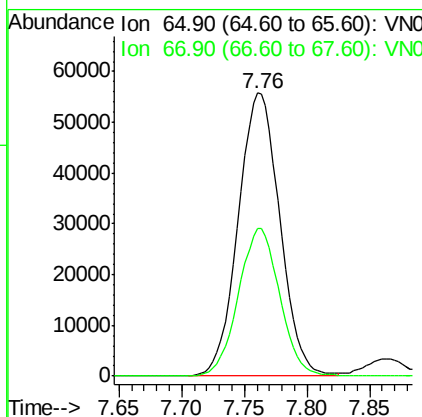
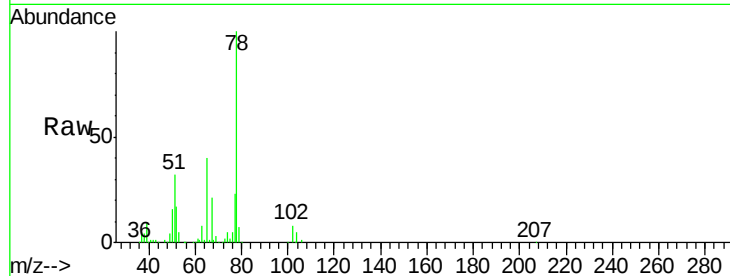
#33
 1,2-Dichloroethane-d4
 Concen: 46.948 ug/l
 RT: 7.76 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042220

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.7	0.0	105.8	

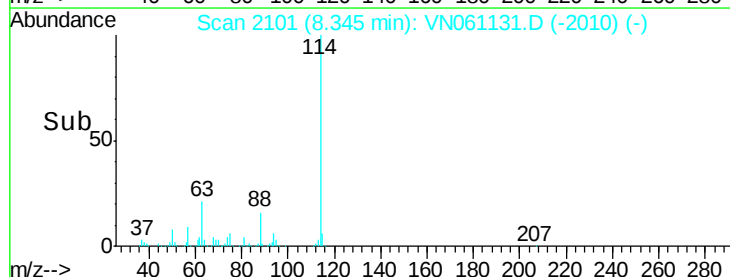
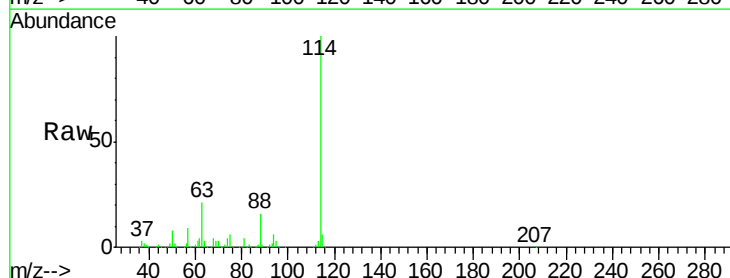
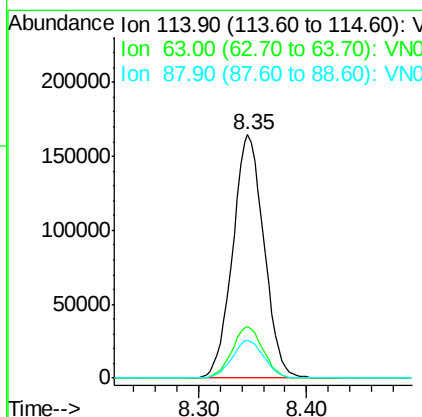
Manual Integrations
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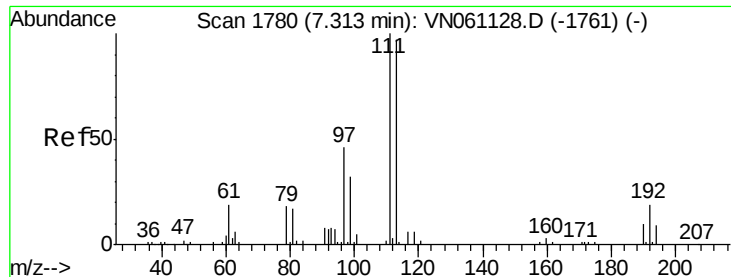
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.35 min Scan# 2101
 Delta R.T. -0.01 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.0	0.0	43.2	
88	15.6	0.0	32.4	





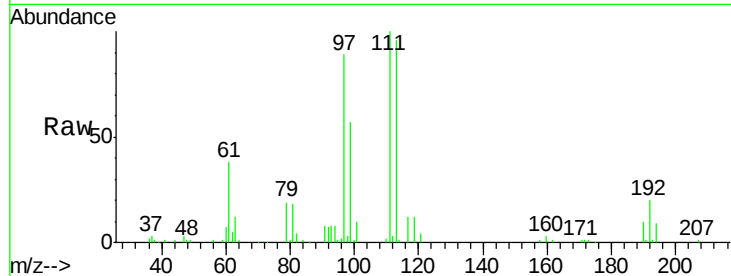
#35
Dibromofluoromethane
Concen: 48.497 ug/l
RT: 7.31 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

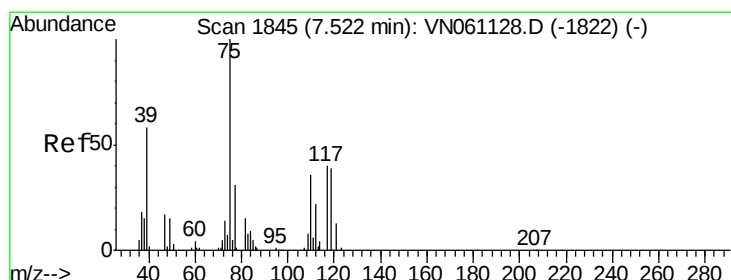
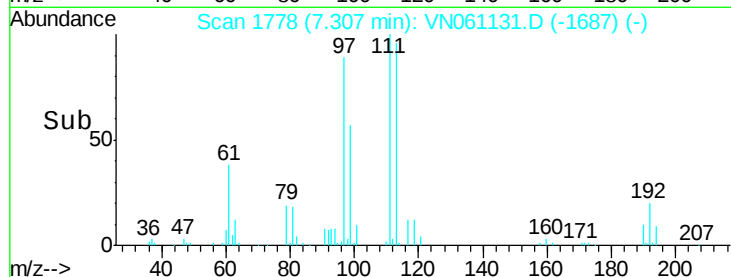
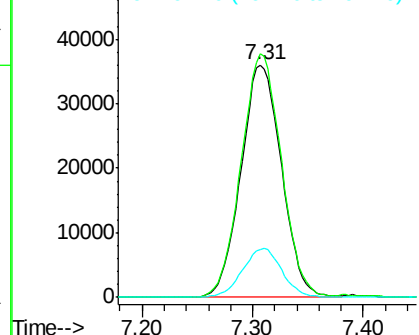
Tot Ion	Ratio	Resp	Lower	Upper
113	100	91916		
111	103.9	83.0	124.6	
192	20.4	15.8	23.6	

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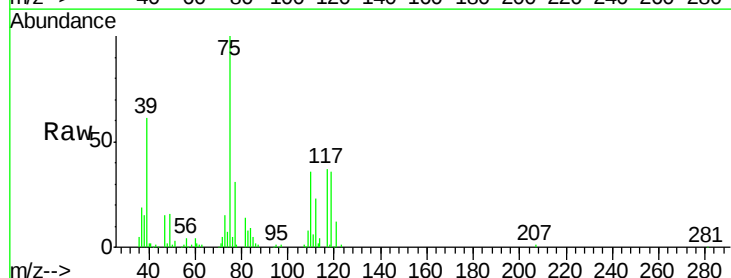


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

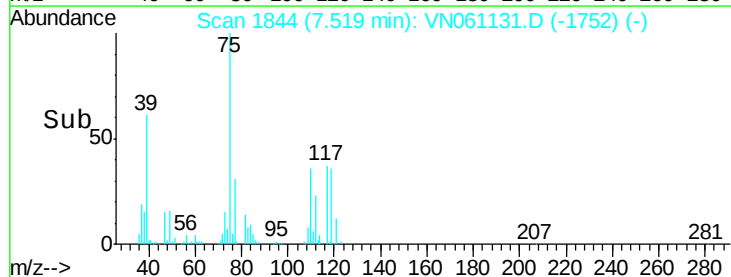
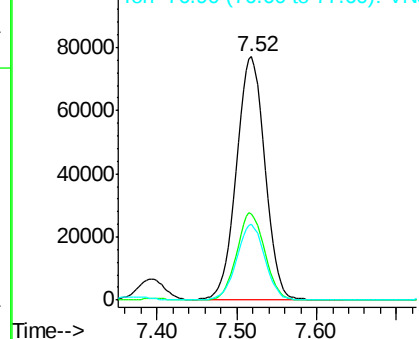


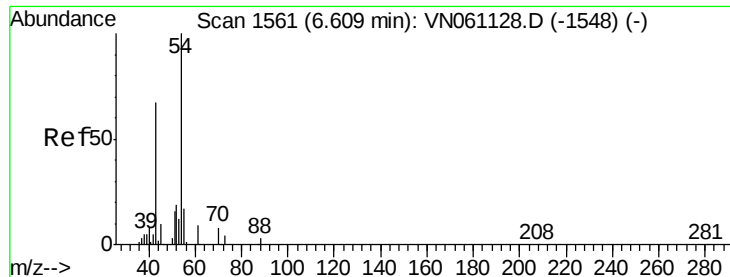
#36
1,1-Dichloropropene
Concen: 56.865 ug/l
RT: 7.52 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	184574		
110	35.2	17.7	53.1	
77	30.9	24.8	37.2	



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





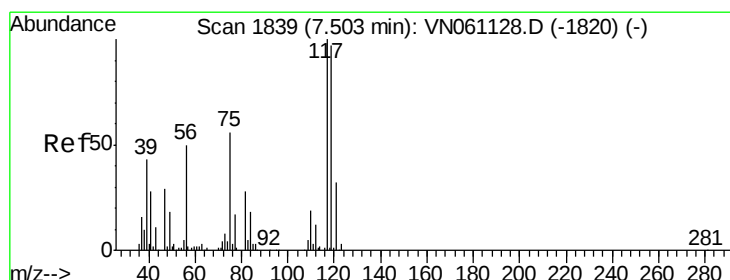
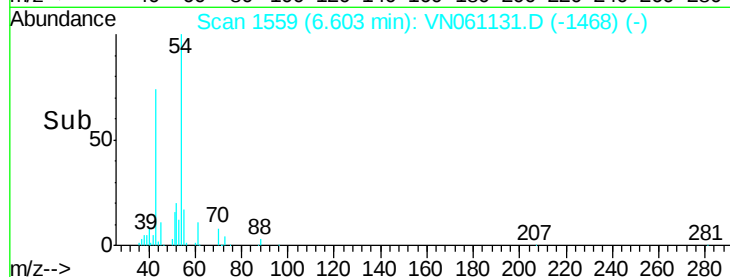
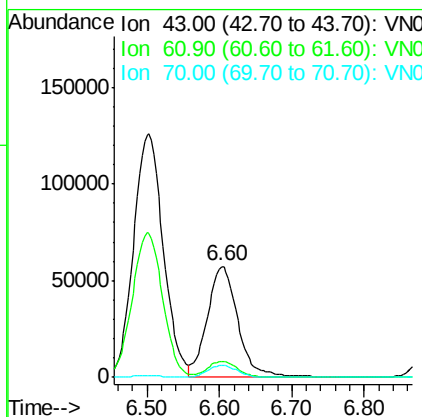
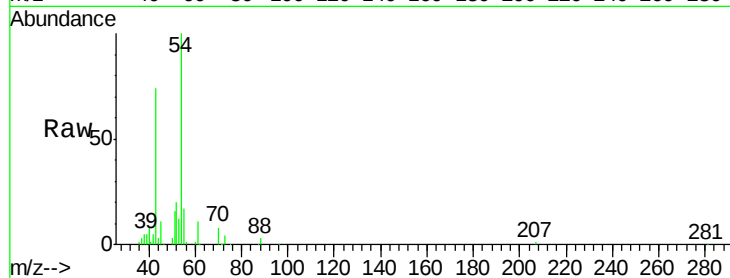
#37
Ethyl Acetate
Concen: 51.170 ug/l
RT: 6.60 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	10.5	8.2	12.4

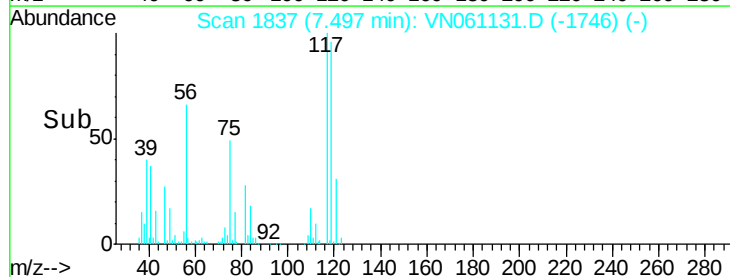
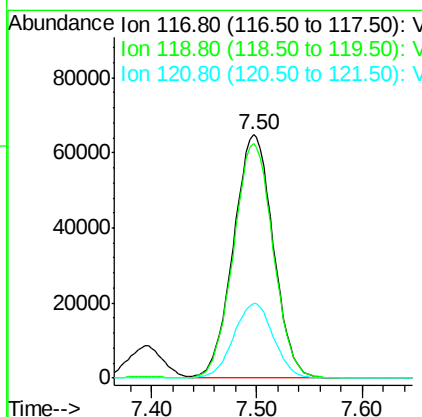
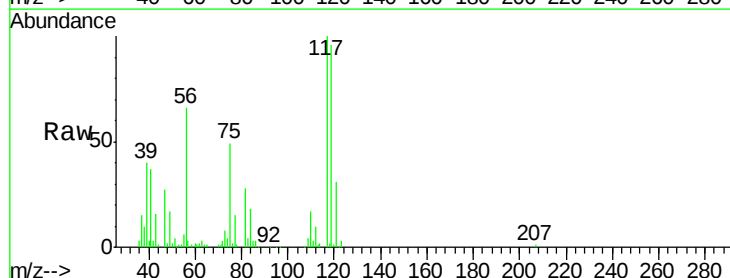
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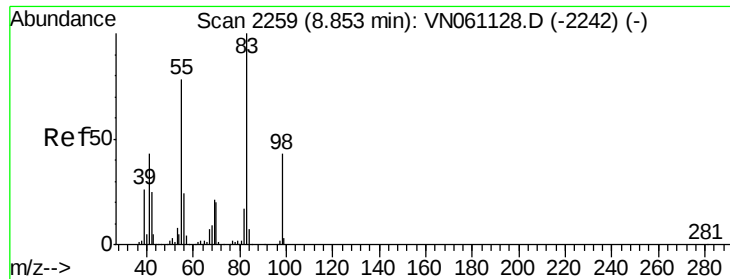
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#38
Carbon Tetrachloride
Concen: 59.763 ug/l
RT: 7.50 min Scan# 1837
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.9	115.3
121	30.6	25.0	37.6





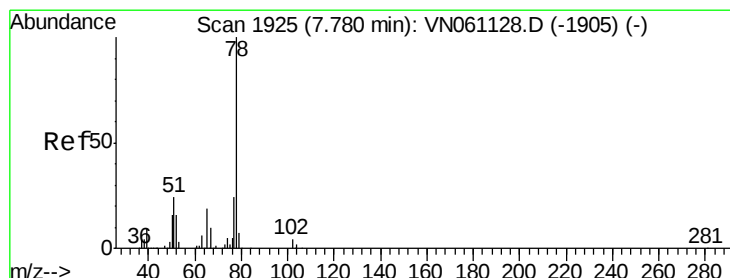
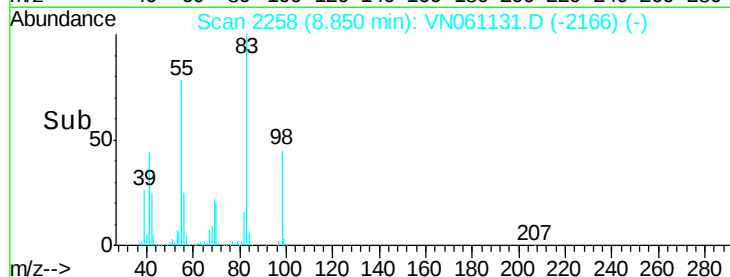
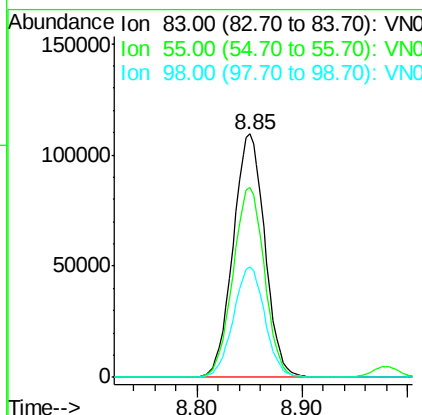
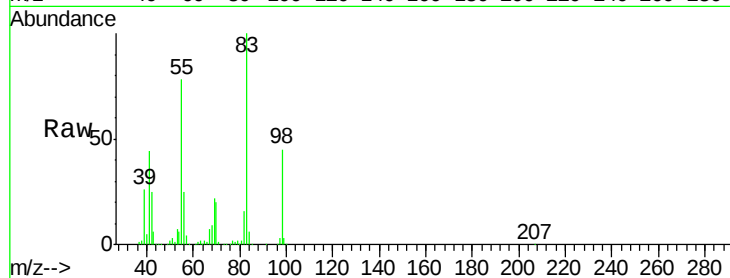
#39
Methylvlcyclohexane
Concen: 57.384 ug/l
RT: 8.85 min Scan# 2258
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.2	93.4
98	45.3	34.7	52.1

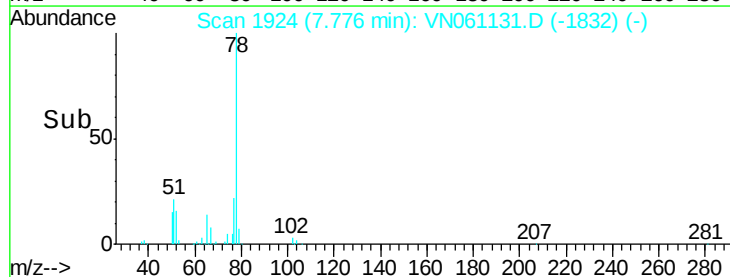
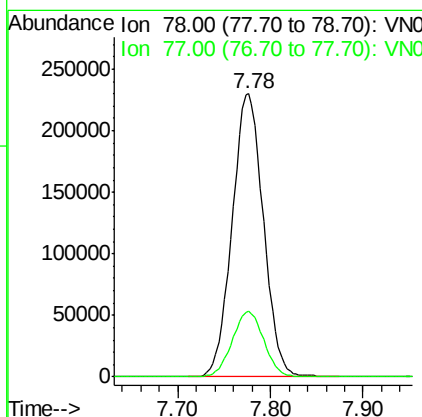
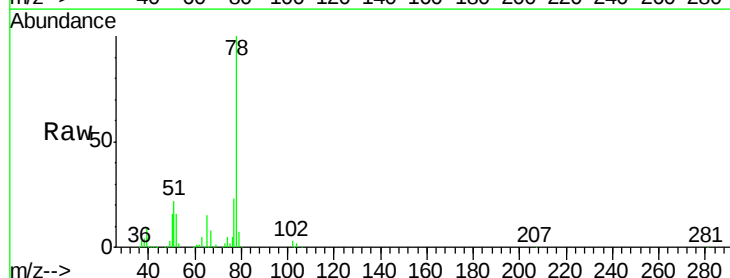
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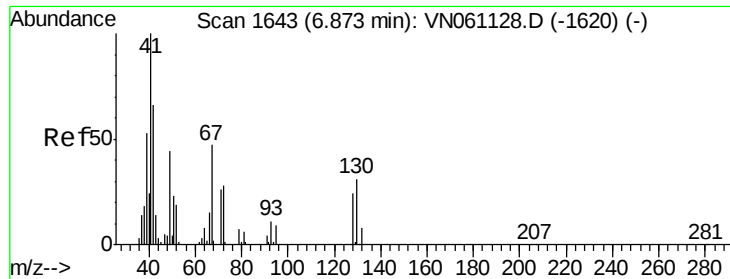
MMDadoda
4/24/2020 1:35:05 PM



#40
Benzene
Concen: 55.875 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.6





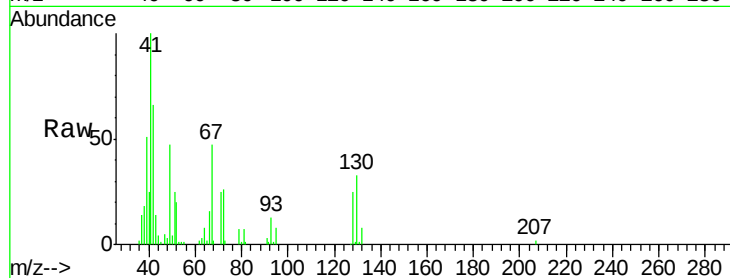
#41
Methacrylonitrile
Concen: 52.026 ug/l m
RT: 6.87 min Scan# 1641
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

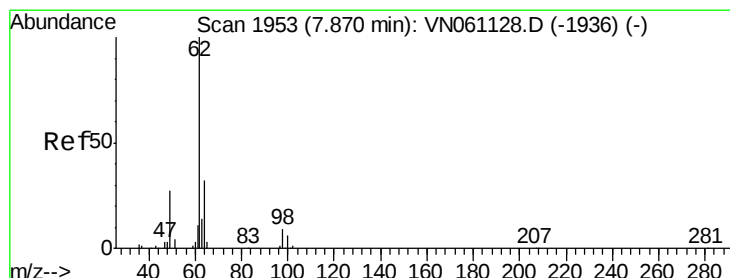
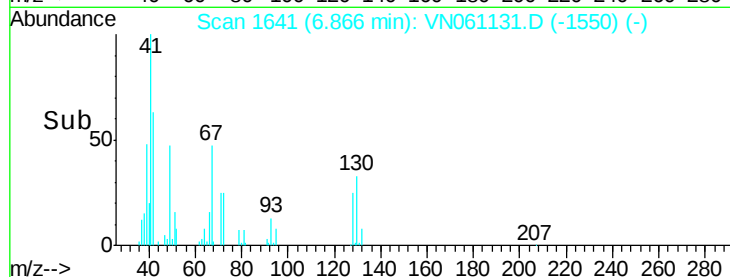
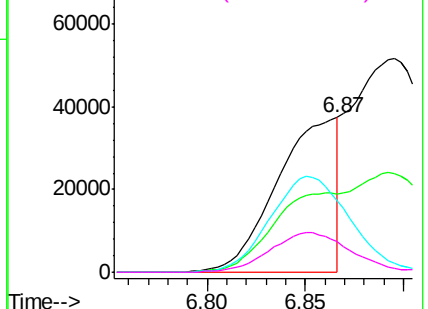
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	119.4	179.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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MMDadoda
4/24/2020 1:35:05 PM

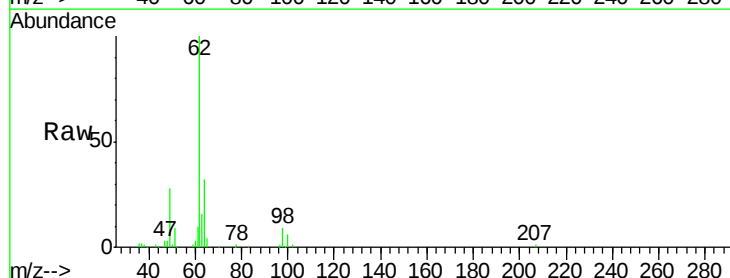


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

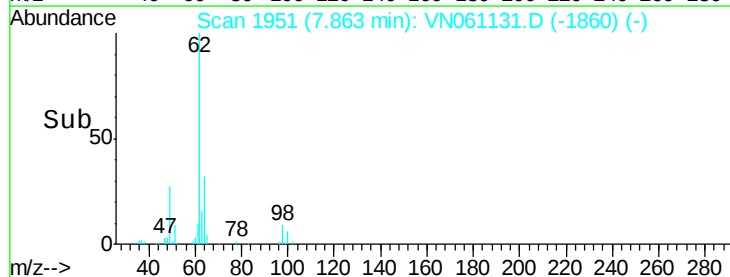
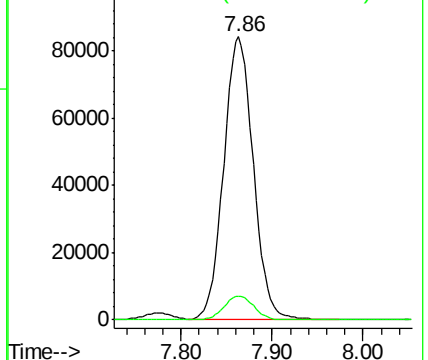


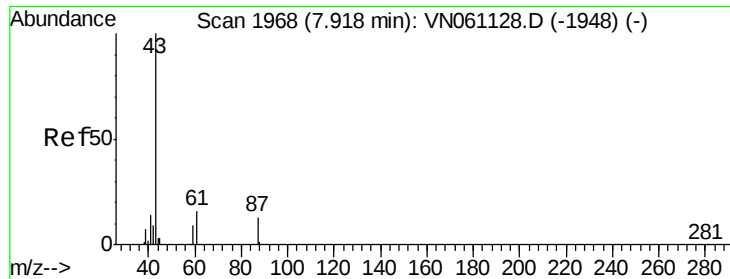
#42
1,2-Dichloroethane
Concen: 55.607 ug/l
RT: 7.86 min Scan# 1951
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





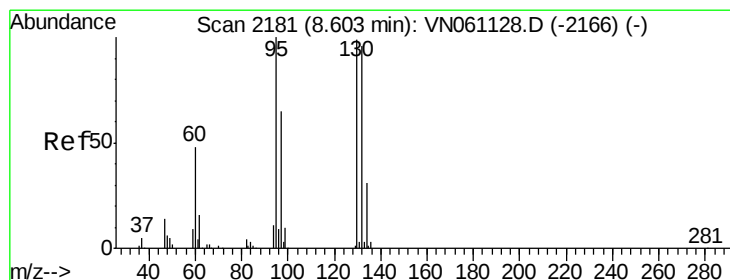
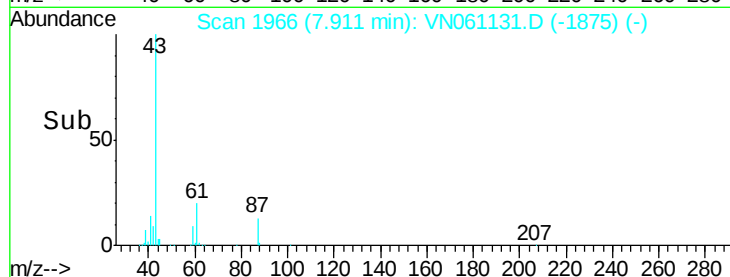
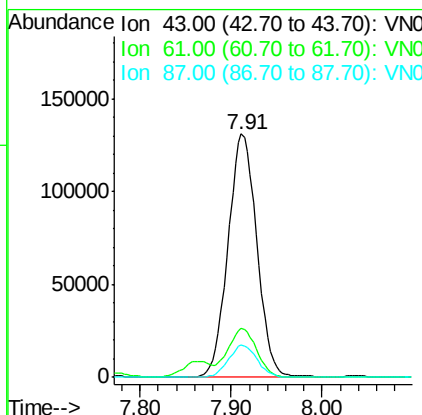
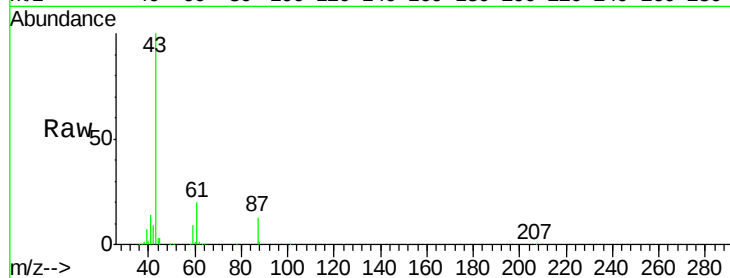
#43
Isopropyl Acetate
Concen: 52.445 ug/l
RT: 7.91 min Scan# 1966
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion	Ratio	Resp	Lower	Upper
43	100	289759		
61	19.9		15.5	23.3
87	13.0		10.2	15.4

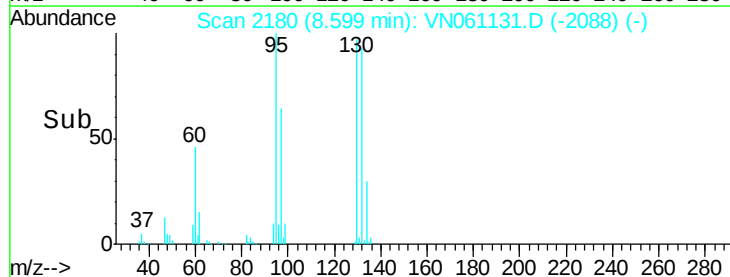
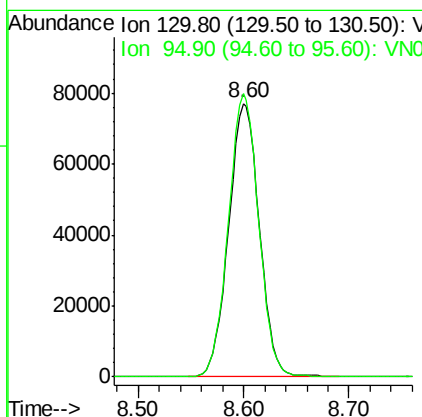
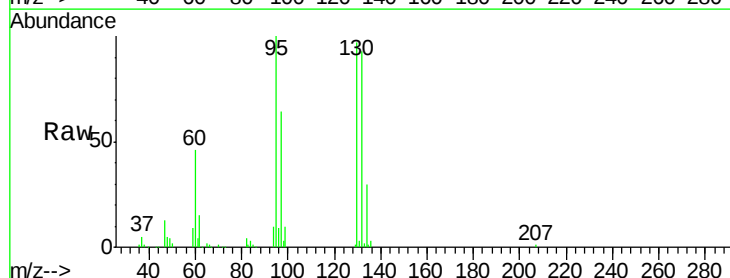
Manual Integrations
APPROVED

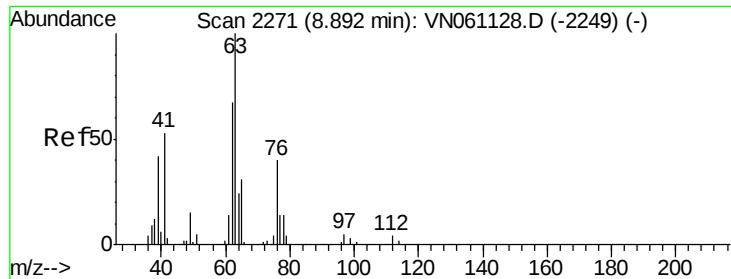
MMDadoda
4/24/2020 1:35:05 PM



#44
Trichloroethene
Concen: 55.614 ug/l
RT: 8.60 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	155398		
95	103.6		0.0	202.6





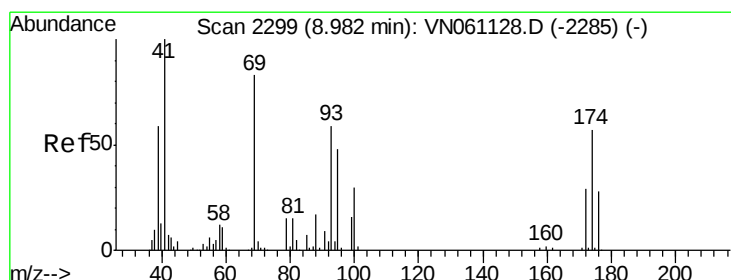
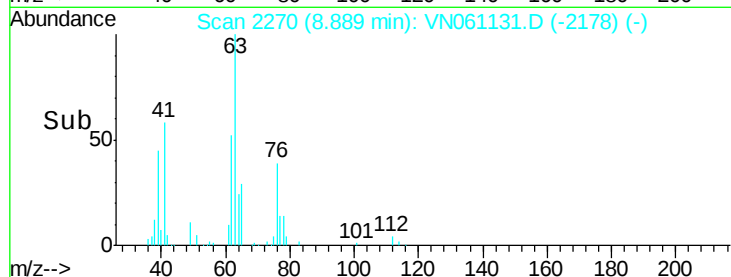
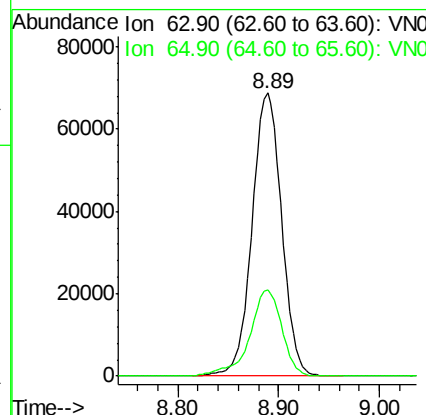
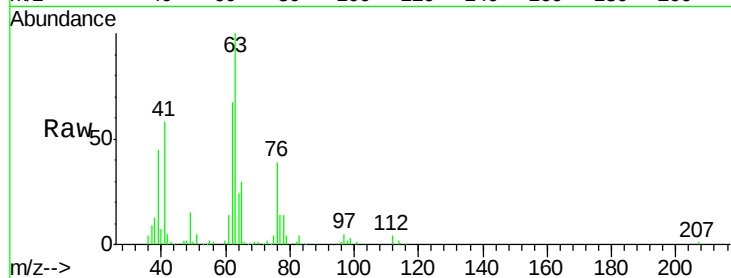
#45
 1,2-Dichloropropane
 Concen: 54.796 ug/l
 RT: 8.89 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042220

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.7	37.1

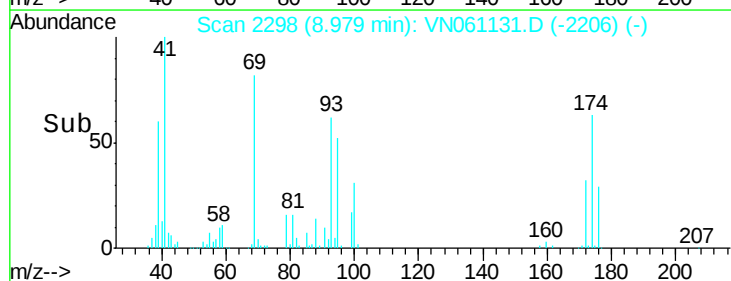
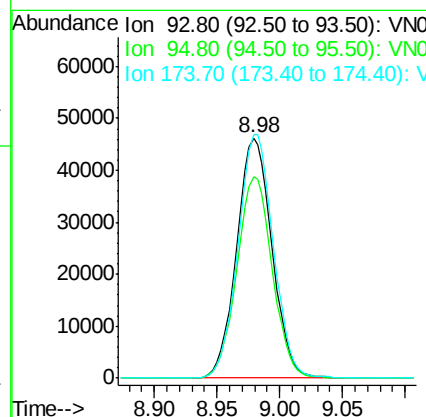
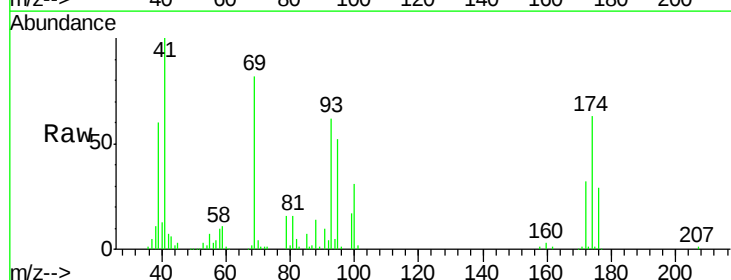
Manual Integrations
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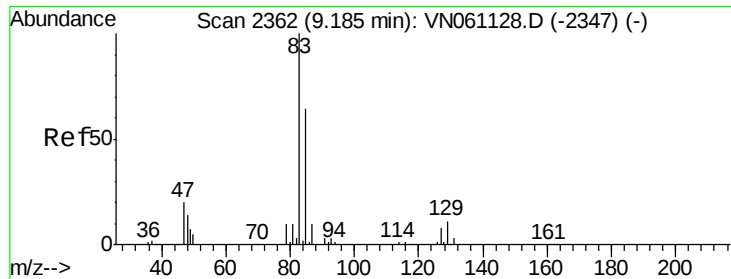
MMDadoda
 4/24/2020 1:35:05 PM



#46
 Dibromomethane
 Concen: 55.459 ug/l
 RT: 8.98 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.0	97.4
174	101.3	77.8	116.6





#47

Bromodichloromethane

Concen: 58.298 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

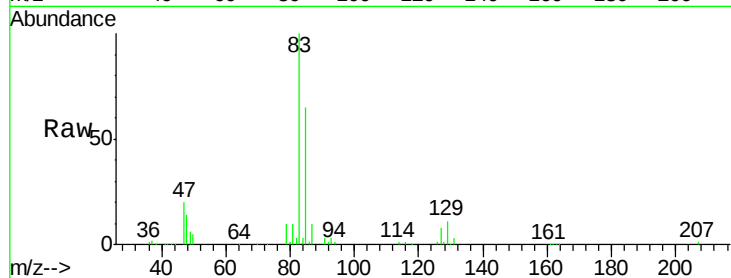
ClientSampleId :

ICVVN042220

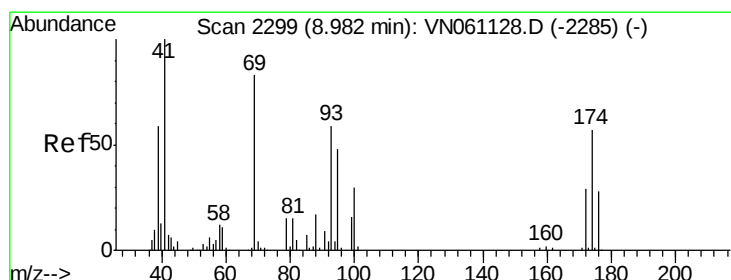
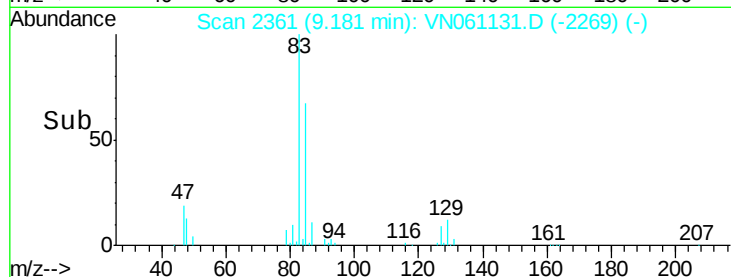
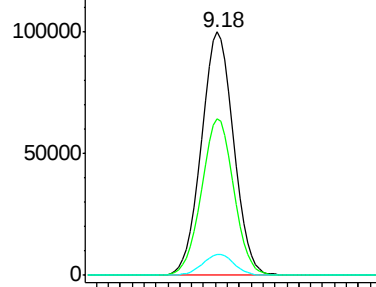
Tot Ion:	83	Resp:	187249
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2
127	8.4	6.6	10.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061131.D (-2269) (-)



#48

Methyl methacrylate

Concen: 51.306 ug/l

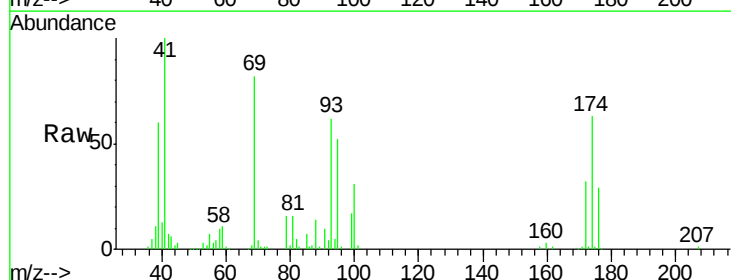
RT: 8.98 min Scan# 2298

Delta R.T. -0.00 min

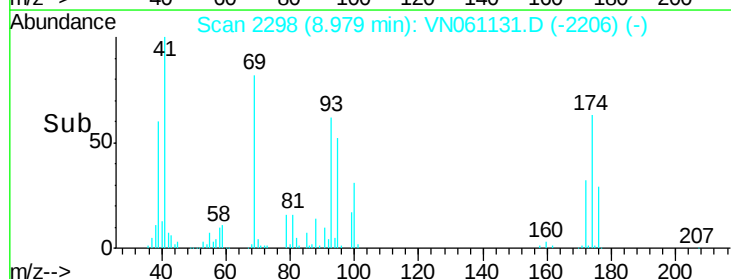
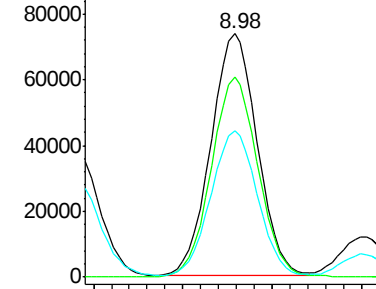
Lab File: VN061131.D

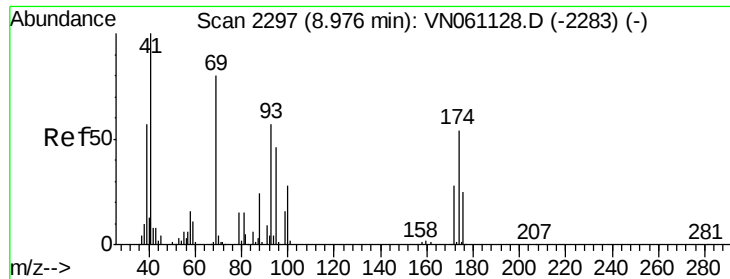
Acq: 22 Apr 2020 15:51

Tgt Ion:	41	Resp:	133467
Ion	Ratio	Lower	Upper
41	100		
69	83.3	65.4	98.2
39	61.7	47.8	71.6



Abundance Ion 41.00 (40.70 to 41.70): VN061131.D (-2206) (-)





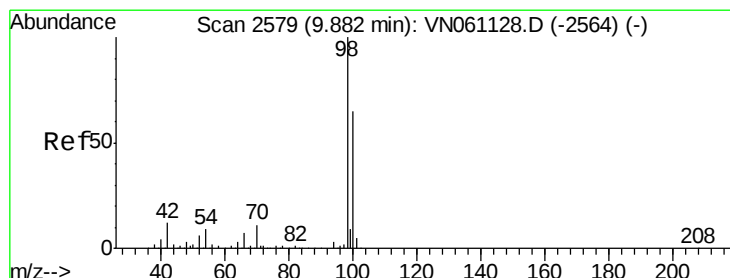
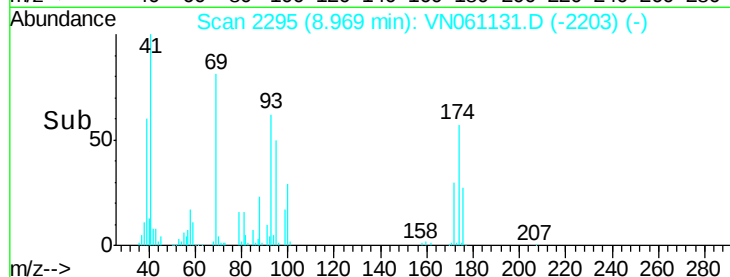
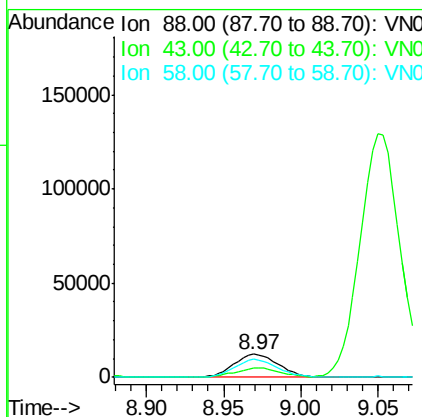
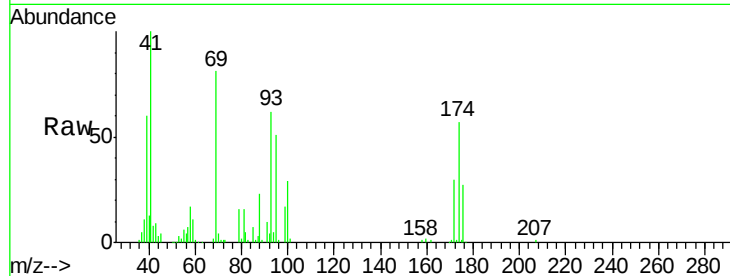
#49
1,4-Dioxane
Concen: 920.504 ug/l
RT: 8.97 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	29.0	43.4
58	73.2	57.8	86.6

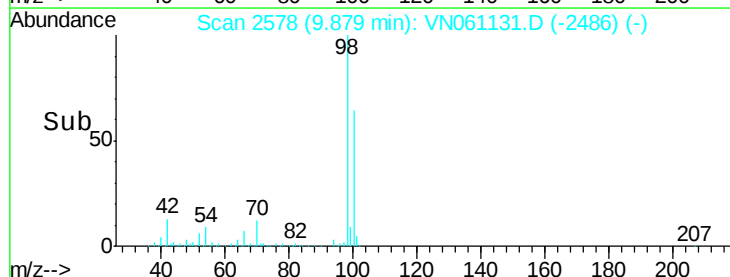
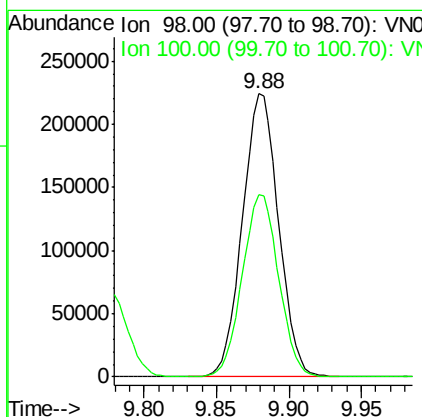
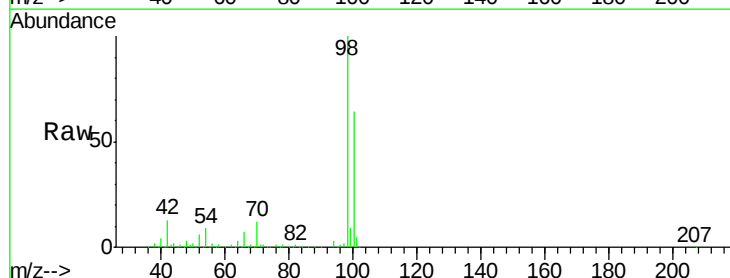
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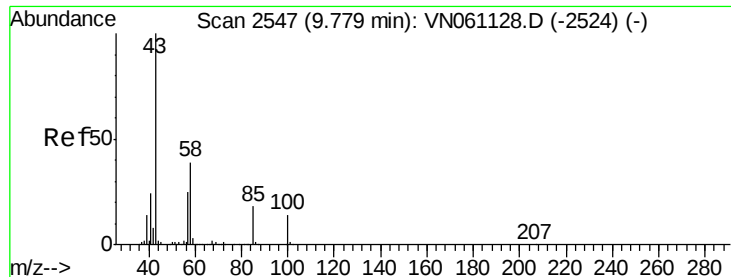
MMDadoda
4/24/2020 1:35:05 PM



#50
Toluene-d8
Concen: 47.889 ug/l
RT: 9.88 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.8	77.6





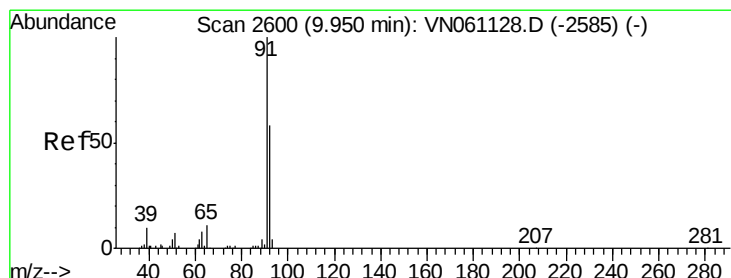
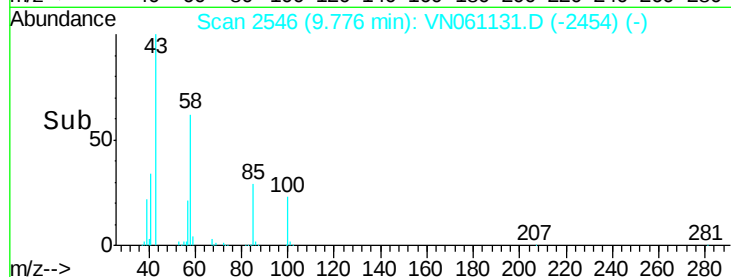
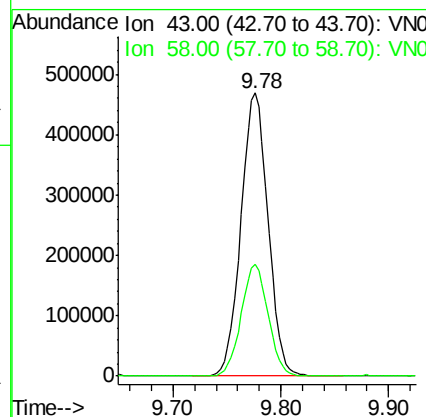
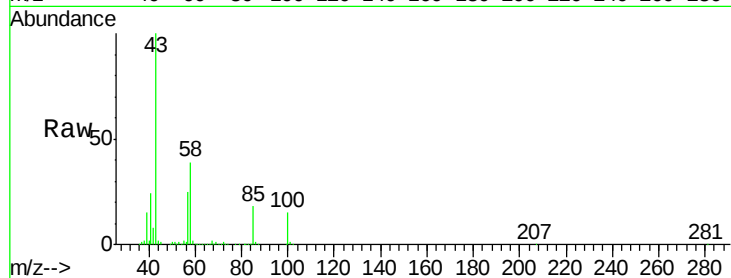
#51
4-Methyl-2-Pentanone
Concen: 254.152 ug/l
RT: 9.78 min Scan# 2546
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion: 43 Resp: 819582
Ion Ratio Lower Upper
43 100
58 39.3 31.0 46.6

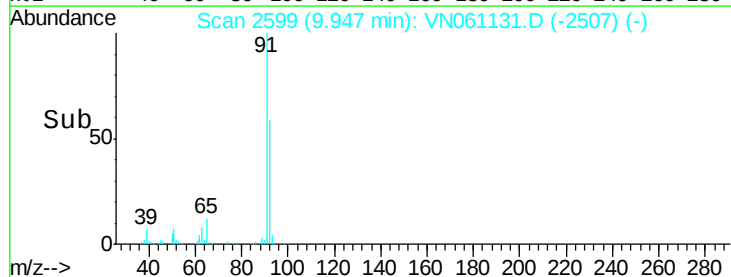
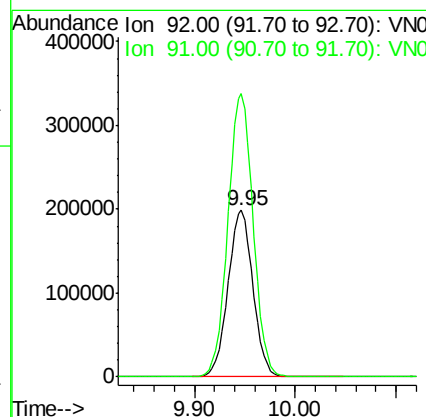
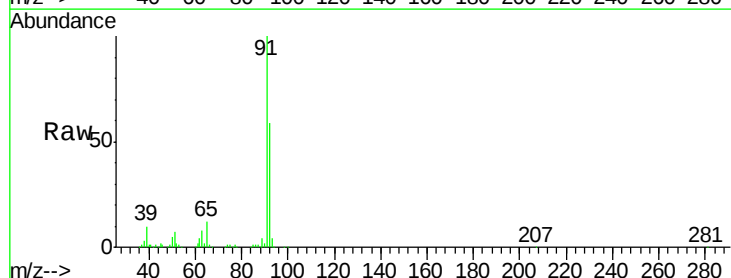
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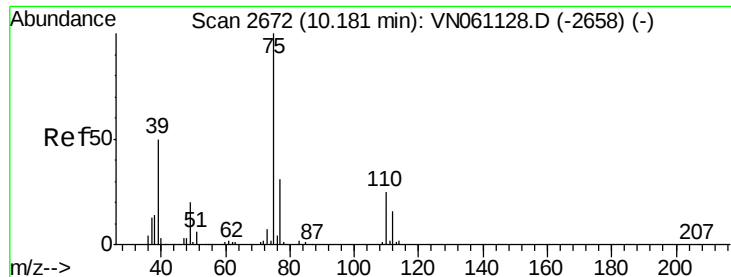
MMDadoda
4/24/2020 1:35:05 PM



#52
Toluene
Concen: 56.906 ug/l
RT: 9.95 min Scan# 2599
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 92 Resp: 342377
Ion Ratio Lower Upper
92 100
91 172.3 138.3 207.5





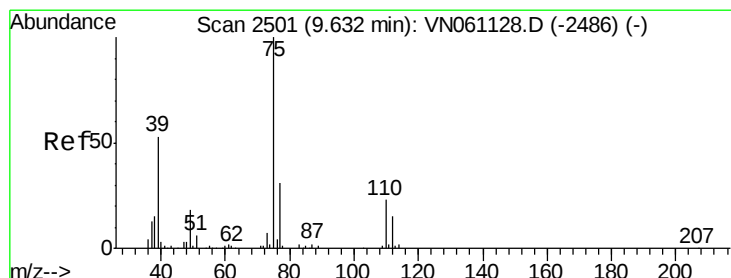
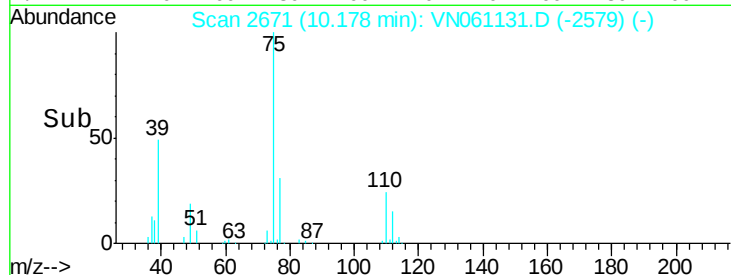
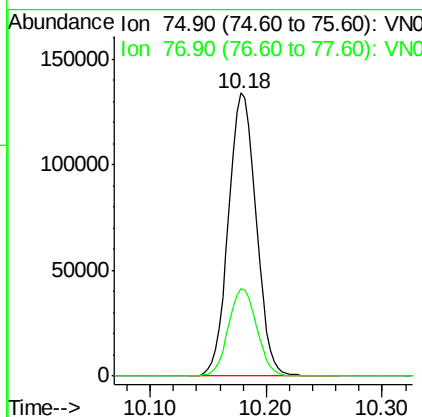
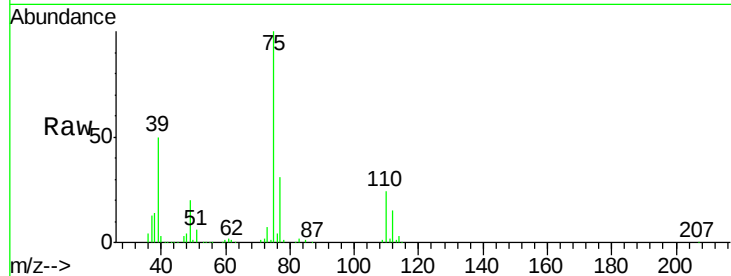
#53
t-1,3-Dichloropropene
Concen: 56.321 ug/l
RT: 10.18 min Scan# 2671
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion: 75 Resp: 221365
Ion Ratio Lower Upper
75 100
77 30.8 25.1 37.7

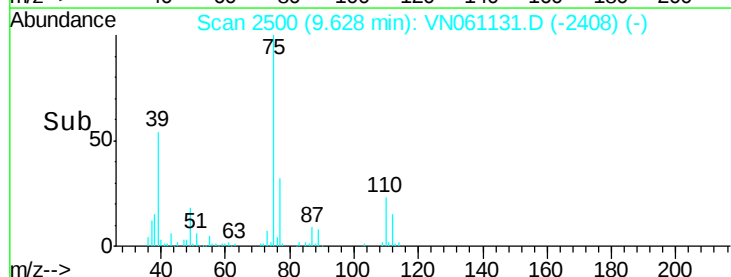
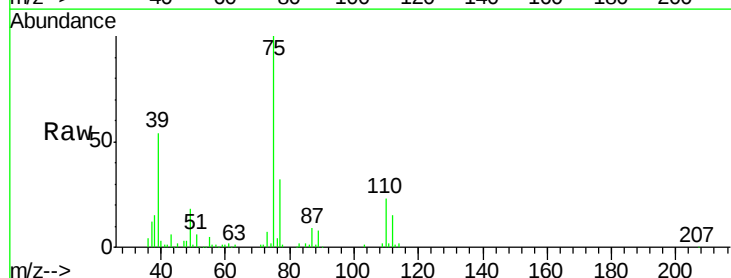
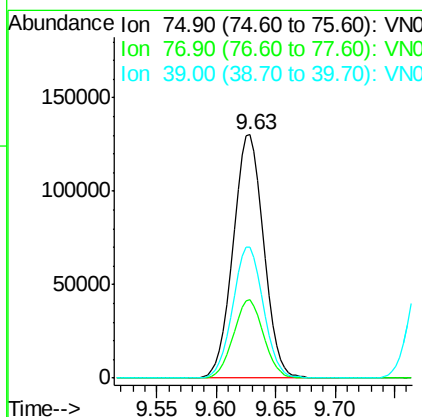
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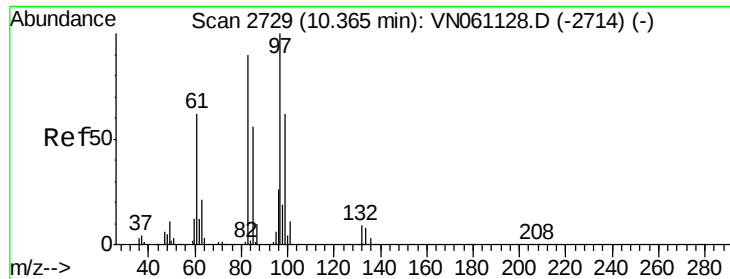
MMDadoda
4/24/2020 1:35:05 PM



#54
cis-1,3-Dichloropropene
Concen: 56.913 ug/l
RT: 9.63 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 75 Resp: 232711
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8
39 53.7 42.1 63.1





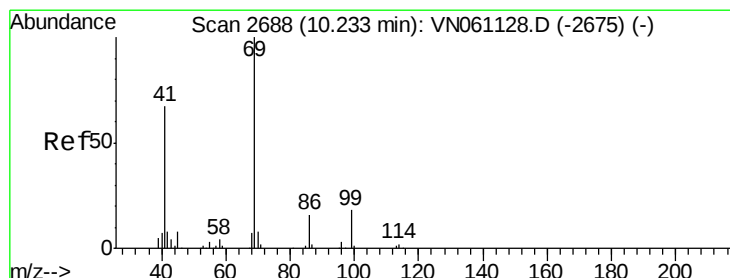
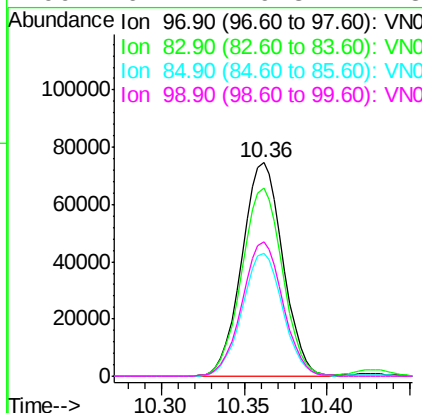
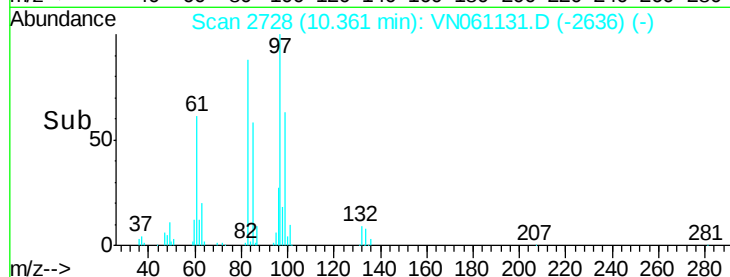
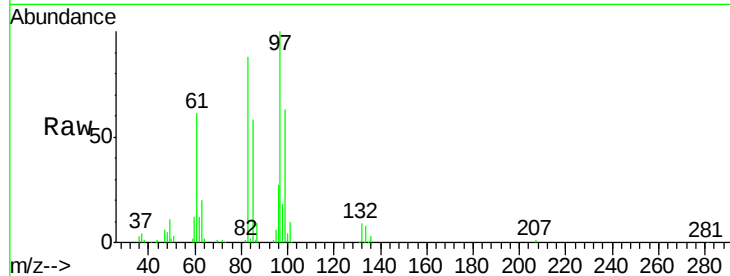
#55
 1,1,2-Trichloroethane
 Concen: 55.360 ug/l
 RT: 10.36 min Scan# 2728
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042220

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		128331		
83	87.8	71.8	107.6		
85	57.6	45.0	67.6		
99	62.7	49.8	74.8		

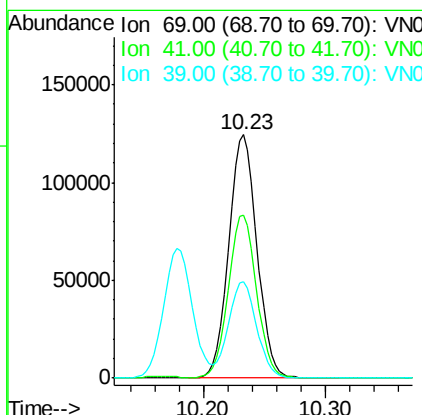
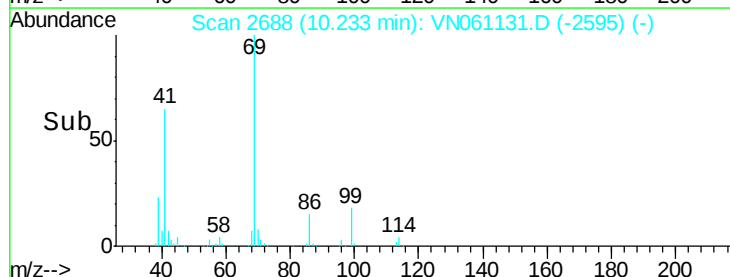
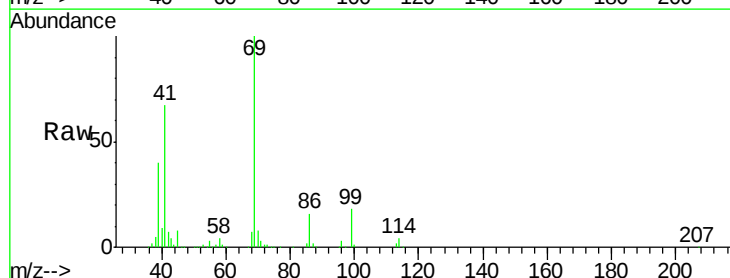
Manual Integrations
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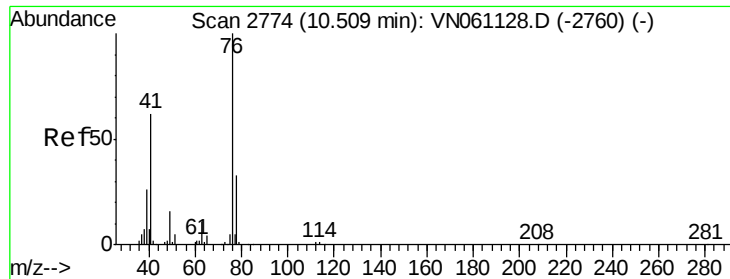
MMDadoda
 4/24/2020 1:35:05 PM



#56
 Ethyl methacrylate
 Concen: 56.869 ug/l
 RT: 10.23 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		200875		
41	66.5	54.0	81.0		
39	39.2	31.4	47.0		





#57

1,3-Dichloropropane

Concen: 55.316 ug/l

RT: 10.51 min Scan# 2773

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042220

Tot Ion: 76 Resp: 217621

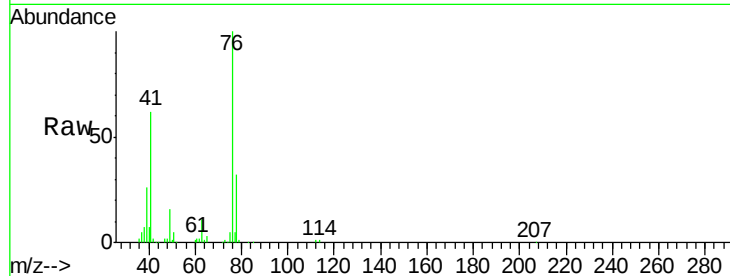
Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN061128.D (-2760) (-)

Ion 77.90 (77.60 to 78.60): VN061128.D (-2760) (-)

10.51

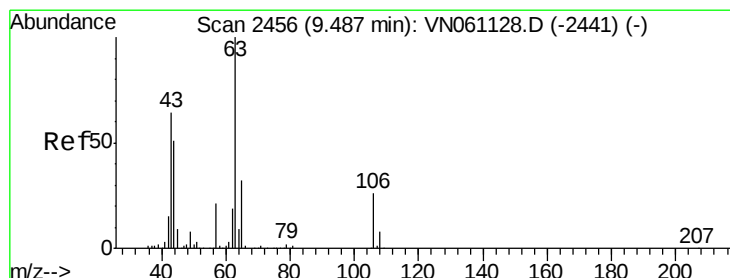
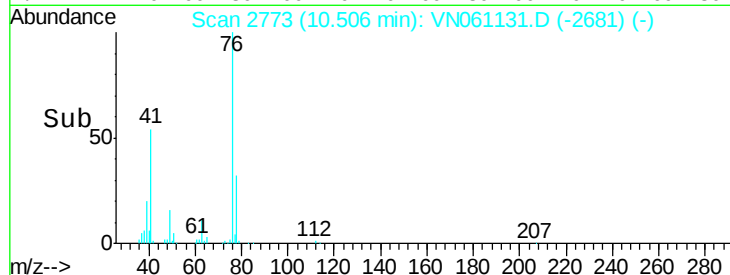
150000

100000

50000

0

Time--> 10.40 10.50 10.60



#58

2-Chloroethyl Vinyl ether

Concen: 268.419 ug/l

RT: 9.48 min Scan# 2455

Delta R.T. -0.00 min

Lab File: VN061131.D

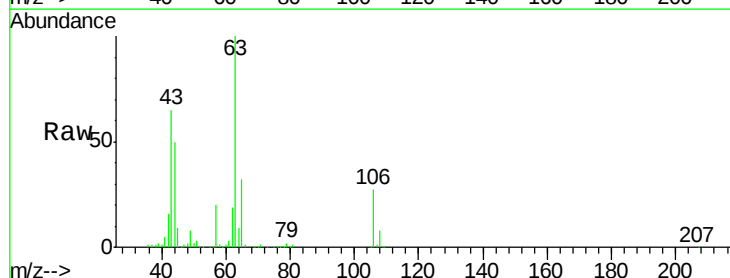
Acq: 22 Apr 2020 15:51

Tgt Ion: 63 Resp: 488854

Ion Ratio Lower Upper

63 100

106 26.7 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VN061128.D (-2441) (-)

Ion 105.90 (105.60 to 106.60): VN061128.D (-2441) (-)

9.48

300000

250000

200000

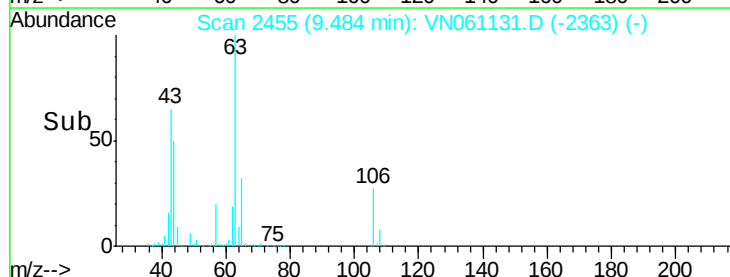
150000

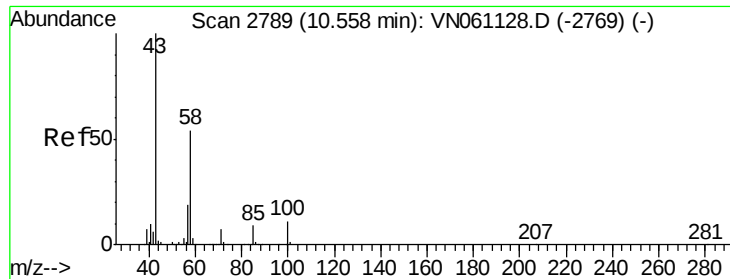
100000

50000

0

Time--> 9.40 9.50 9.60





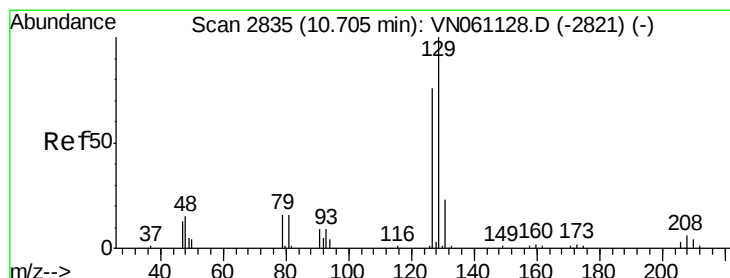
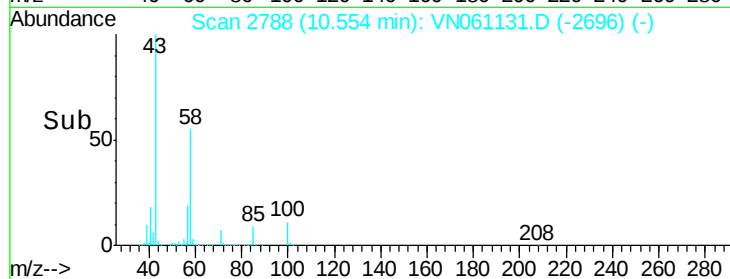
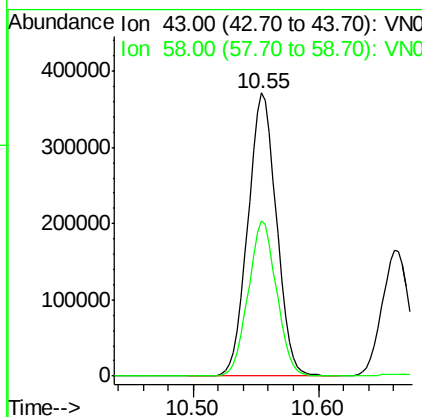
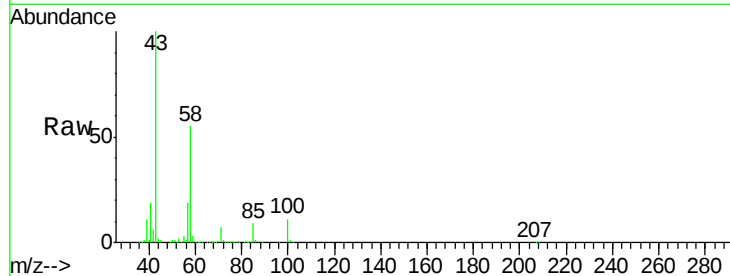
#59
2-Hexanone
Concen: 246.960 ug/l
RT: 10.55 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion: 43 Resp: 588338
Ion Ratio Lower Upper
43 100
58 54.5 26.9 80.6

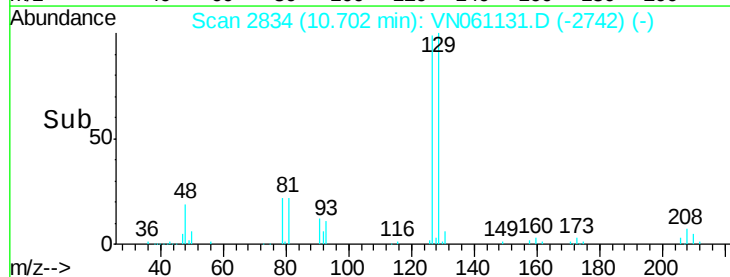
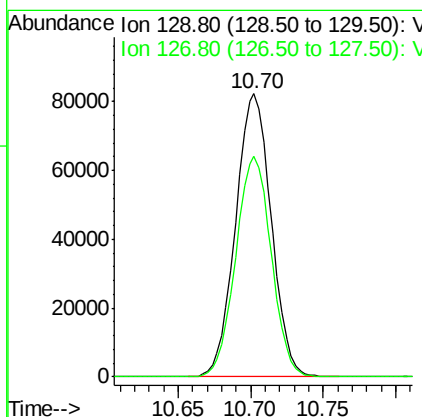
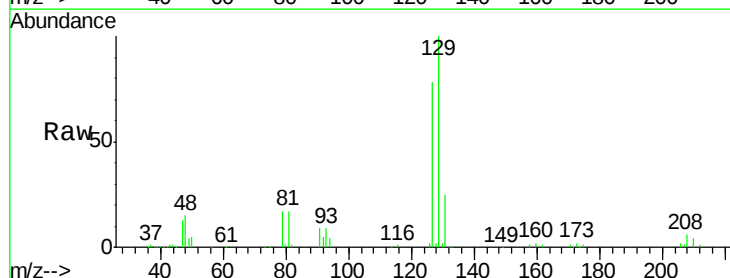
Manual Integrations
APPROVED

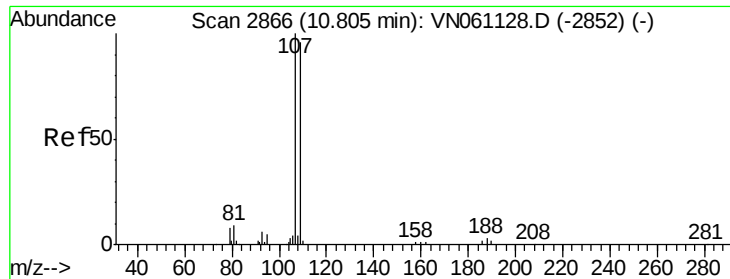
MMDadoda
4/24/2020 1:35:05 PM



#60
Dibromochloromethane
Concen: 58.035 ug/l
RT: 10.70 min Scan# 2834
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion: 129 Resp: 140670
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2





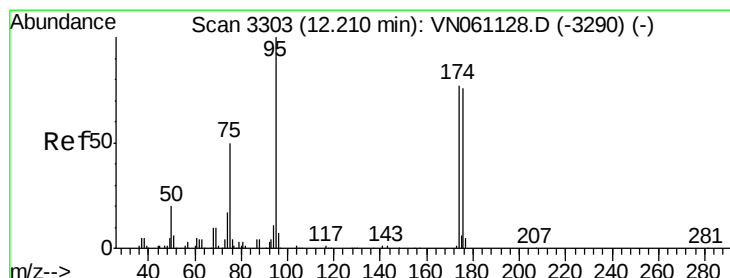
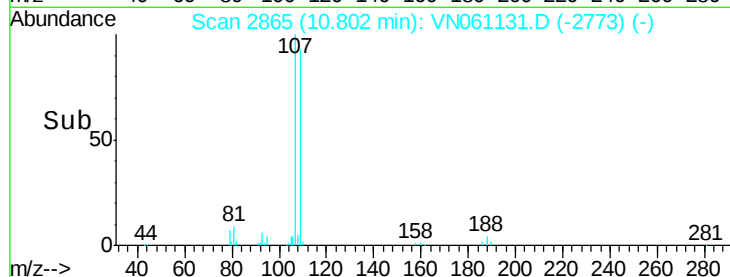
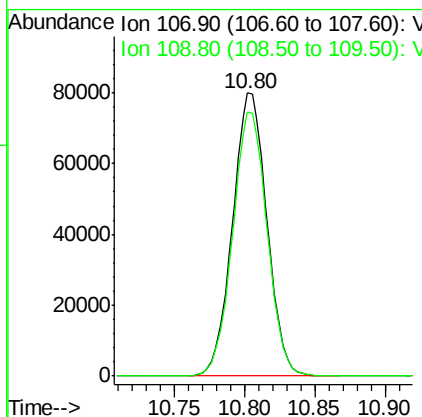
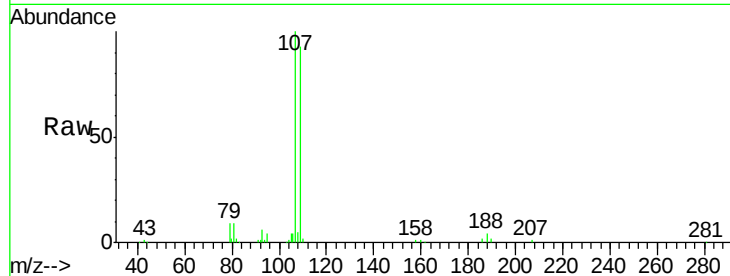
#61
 1,2-Dibromoethane
 Concen: 56.947 ug/l
 RT: 10.80 min Scan# 2865
 Delta R.T. -0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042220

Tot Ion	Ratio	Resp	Lower	Upper
107	100	136039		
109	93.9	76.0	114.0	

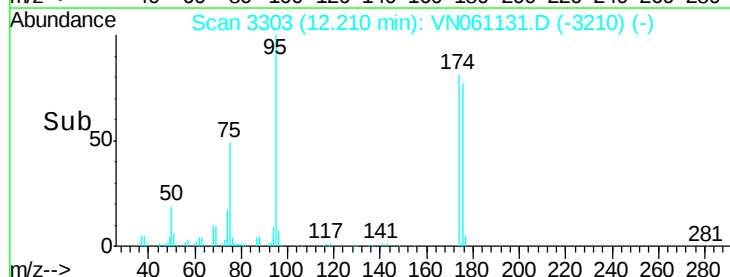
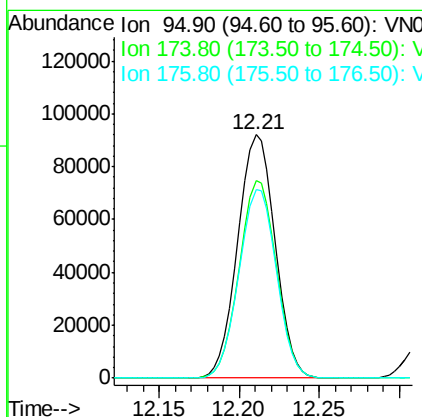
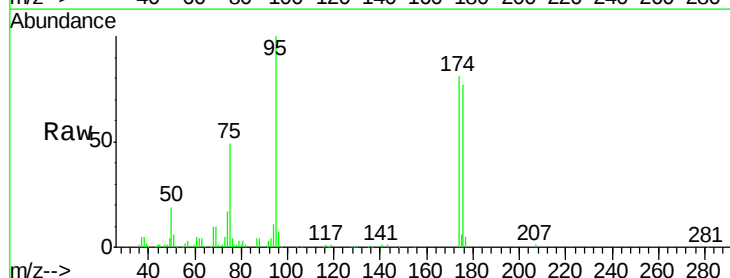
Manual Integrations
 APPROVED

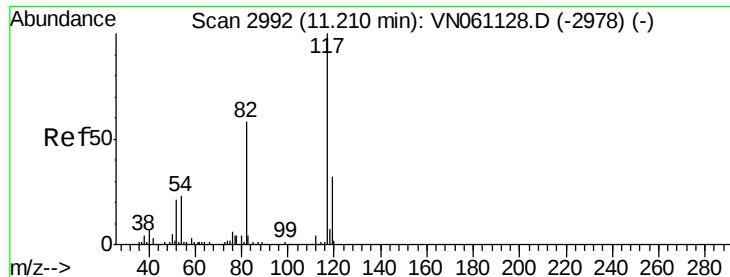
MMDadoda
 4/24/2020 1:35:05 PM



#62
 4-Bromofluorobenzene
 Concen: 48.173 ug/l
 RT: 12.21 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	146527		
174	80.6	0.0	157.6	
176	77.7	0.0	154.4	





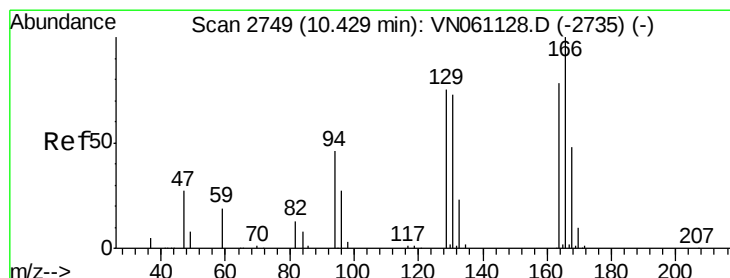
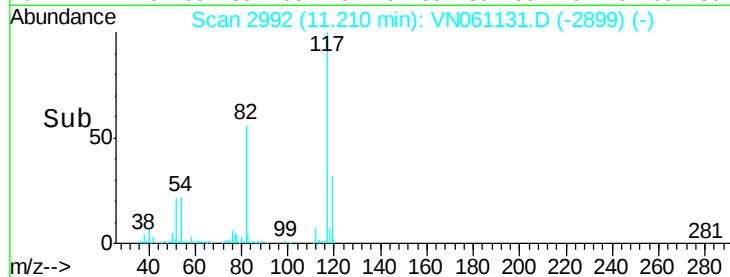
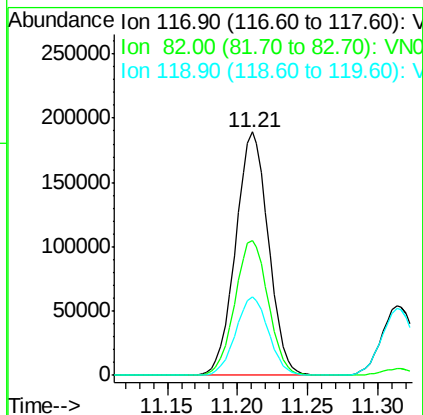
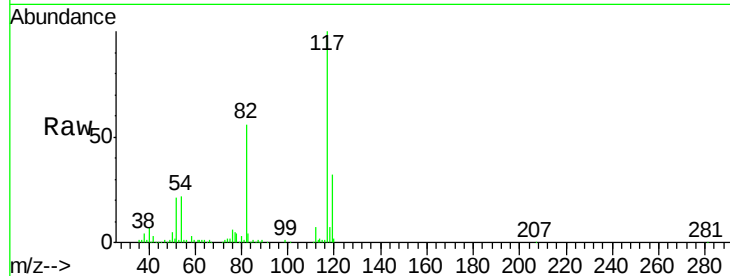
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.21 min Scan# 2992
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	46.0	69.0
119	32.3	25.9	38.9

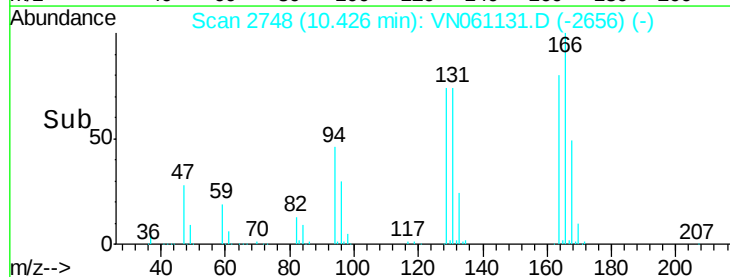
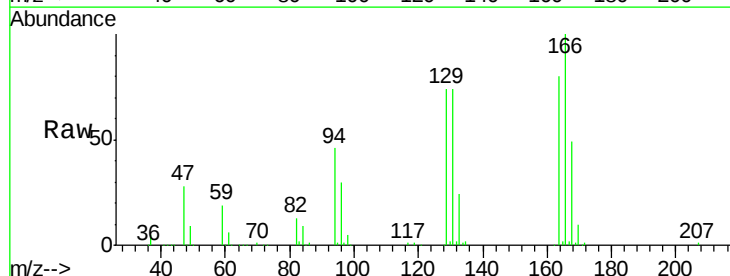
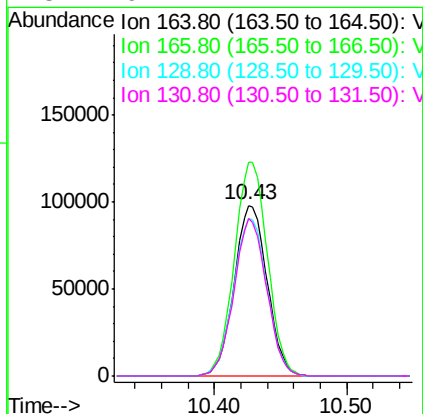
Manual Integrations
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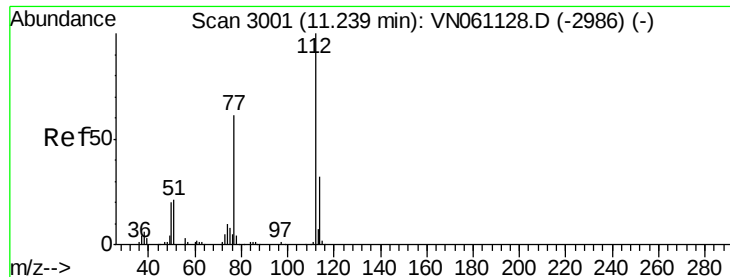
MMDadoda
4/24/2020 1:35:05 PM



#64
Tetrachloroethene
Concen: 53.464 ug/l
RT: 10.43 min Scan# 2748
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	101.9	152.9
129	92.7	76.5	114.7
131	92.1	74.2	111.4





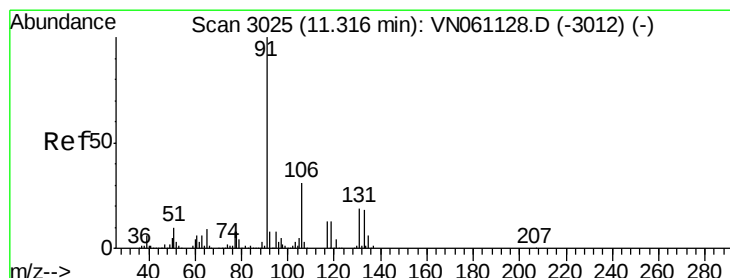
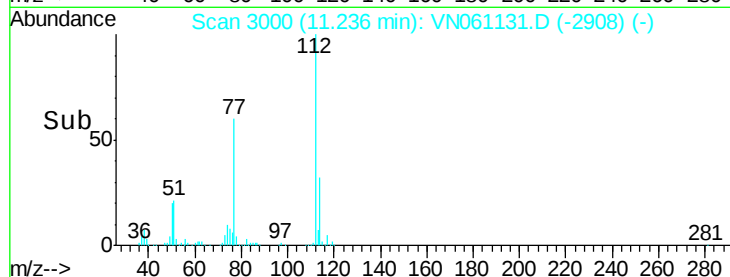
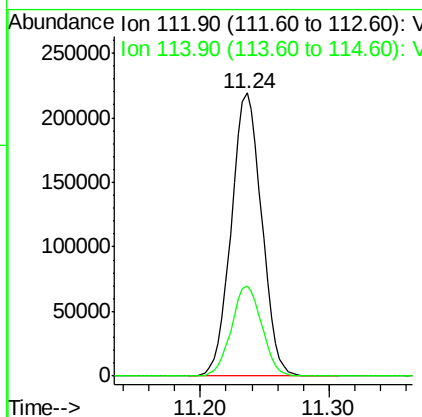
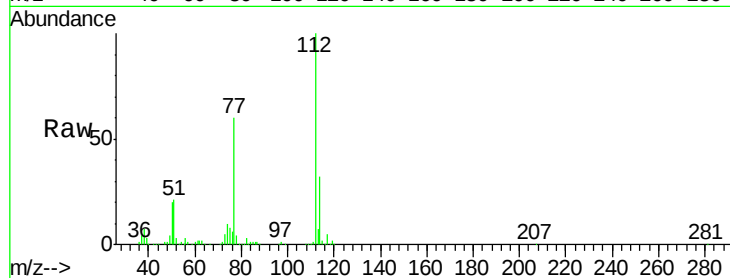
#65
Chlorobenzene
Concen: 57.076 ug/l
RT: 11.24 min Scan# 3000
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion:112 Resp: 357887
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

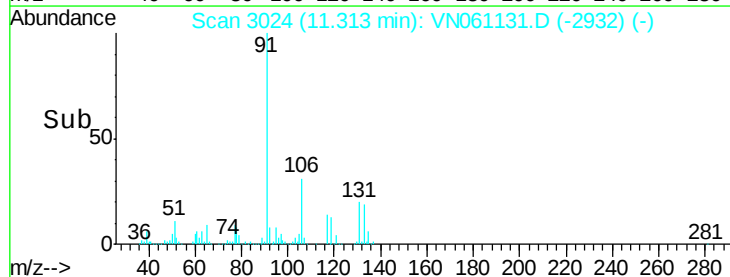
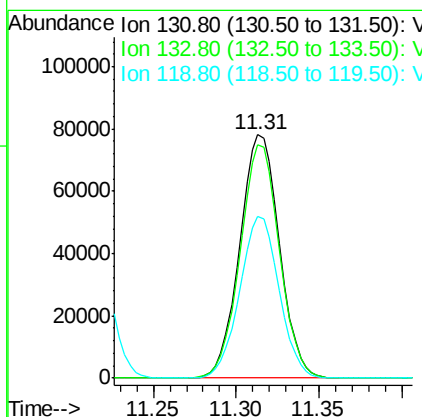
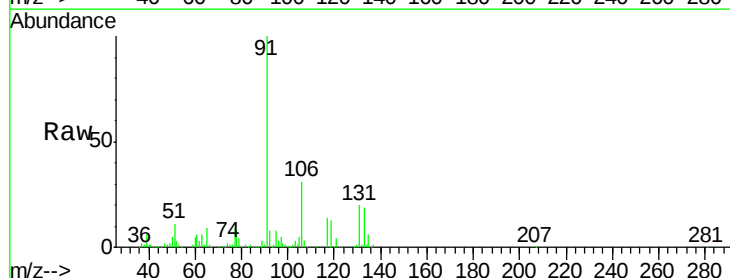
Manual Integrations
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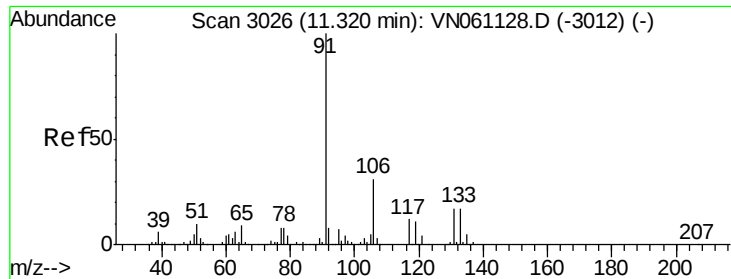
MMDadoda
4/24/2020 1:35:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 58.386 ug/l
RT: 11.31 min Scan# 3024
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion:131 Resp: 129748
Ion Ratio Lower Upper
131 100
133 95.0 48.2 144.6
119 65.9 33.1 99.5





#67

Ethyl Benzene

Concen: 56.752 ug/l

RT: 11.32 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042220

Tot Ion: 91 Resp: 662690

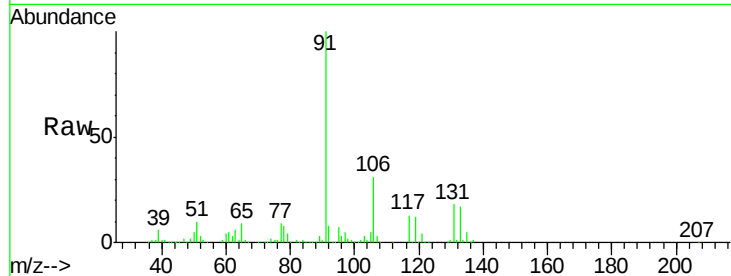
Ion Ratio Lower Upper

91 100

106 31.0 24.7 37.1

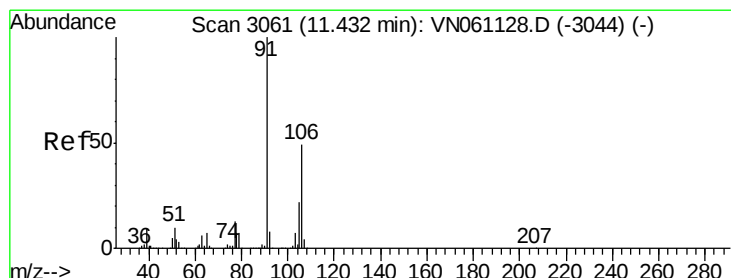
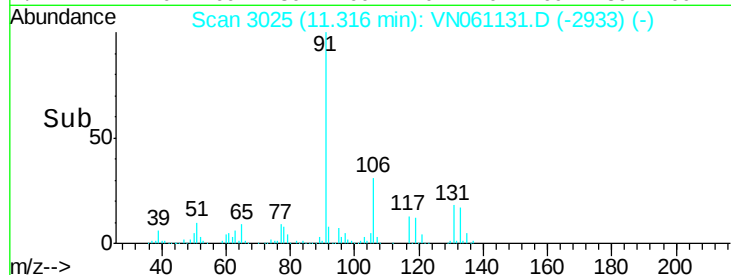
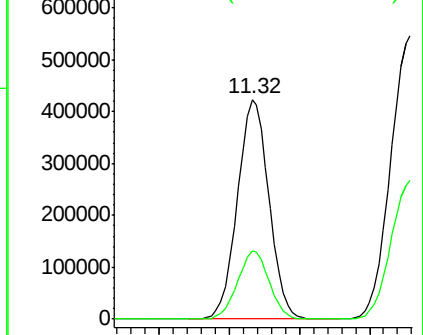
Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:05 PM



Abundance Ion 91.00 (90.70 to 91.70): VN061128.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN061128.D (-3012) (-)



#68

m/p-Xylenes

Concen: 115.393 ug/l

RT: 11.43 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN061131.D

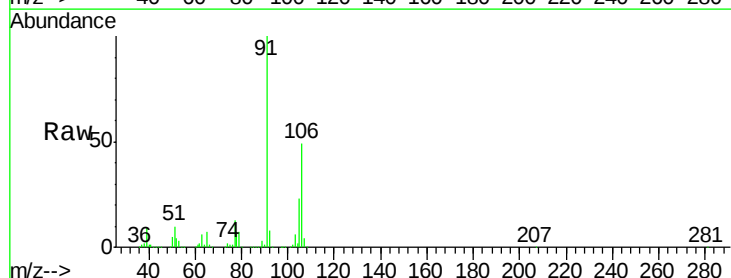
Acq: 22 Apr 2020 15:51

Tgt Ion: 106 Resp: 503173

Ion Ratio Lower Upper

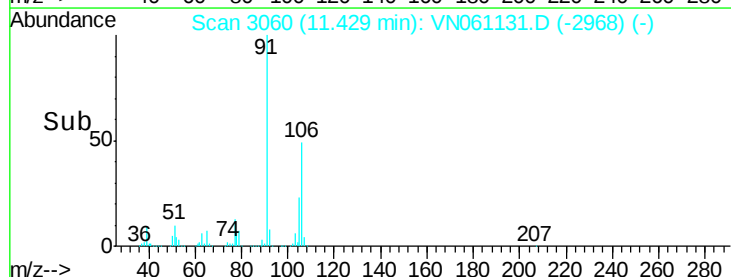
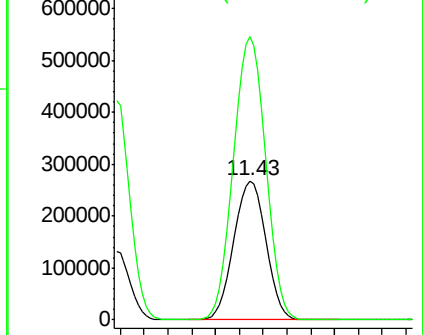
106 100

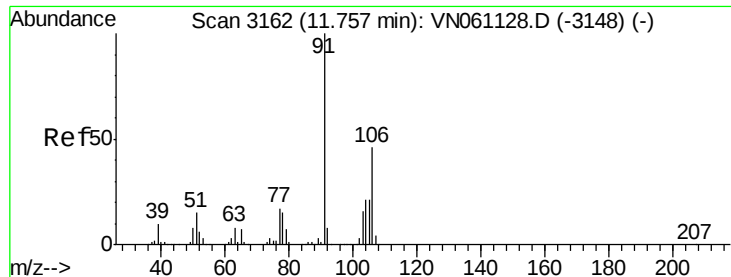
91 204.0 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): VN061128.D (-3044) (-)

Ion 91.00 (90.70 to 91.70): VN061128.D (-3044) (-)





#69

o-Xylene

Concen: 56.708 ug/l

RT: 11.75 min Scan# 3161

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042220

Tot Ion:106 Resp: 238742

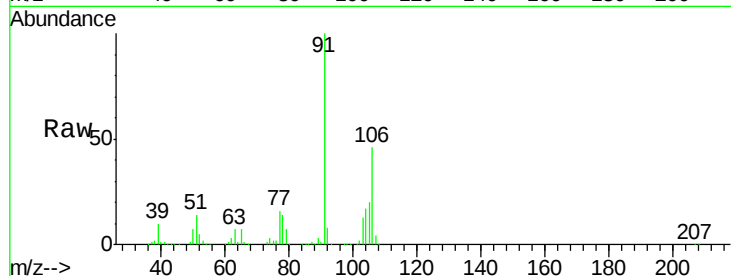
Ion Ratio Lower Upper

106 100

91 215.9 107.6 322.8

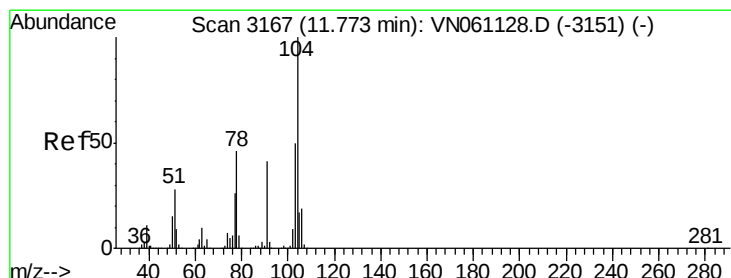
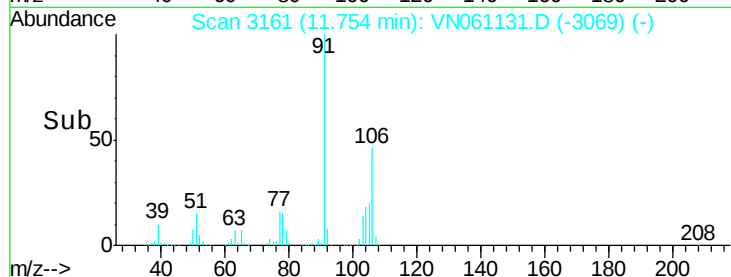
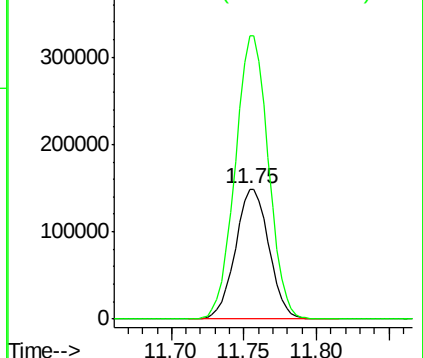
Manual Integrations
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4/24/2020 1:35:05 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN061128.D (-3148) (-)



#70

Styrene

Concen: 59.126 ug/l

RT: 11.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

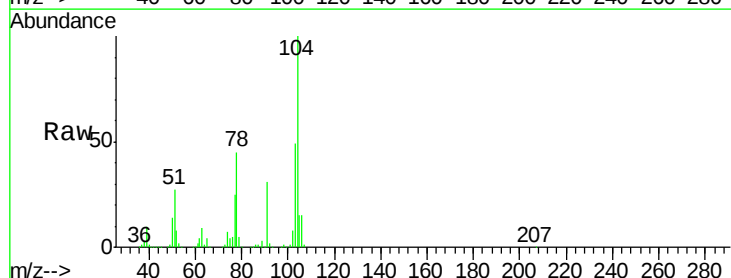
Tgt Ion:104 Resp: 403130

Ion Ratio Lower Upper

104 100

78 50.8 40.6 61.0

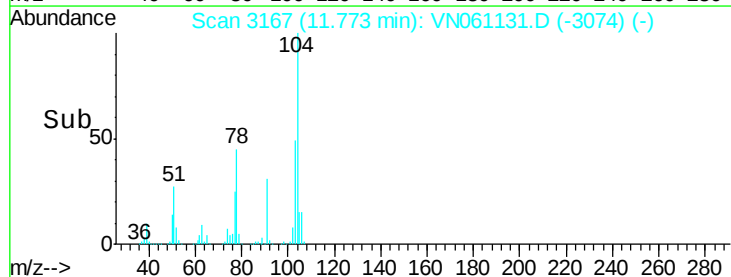
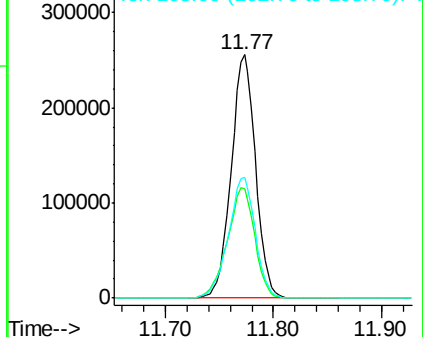
103 54.6 43.7 65.5

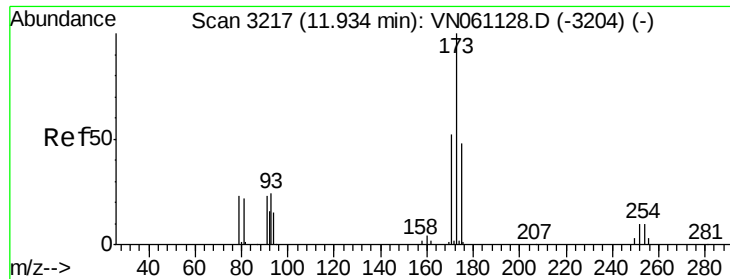


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN061128.D (-3151) (-)

Ion 103.00 (102.70 to 103.70): VN061128.D (-3151) (-)





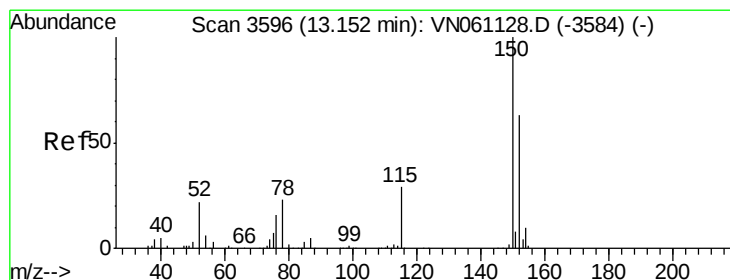
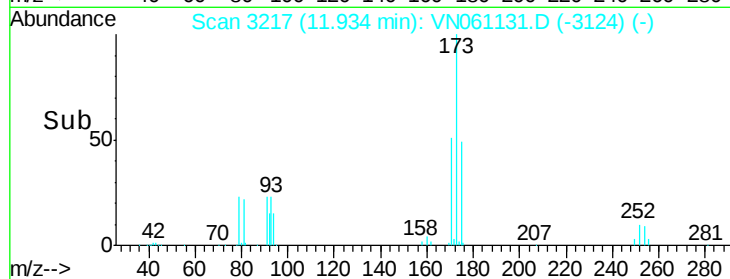
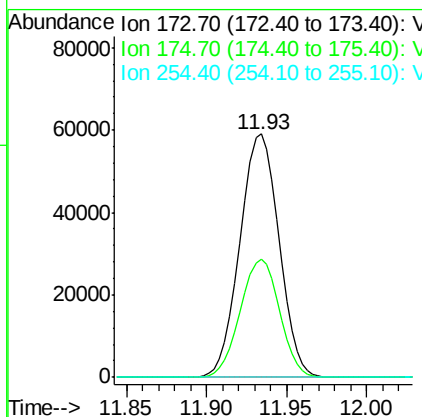
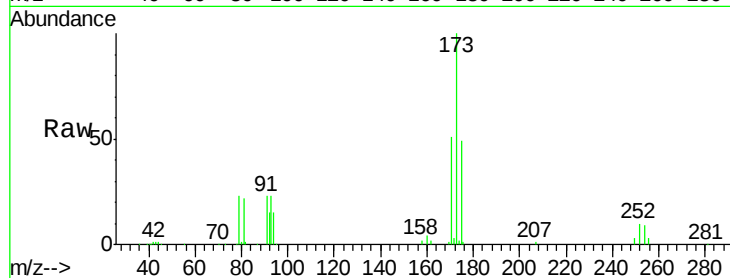
#71
Bromoform
Concen: 58.858 ug/l
RT: 11.93 min Scan# 3217
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.9	71.8
254	0.0	0.0	0.0

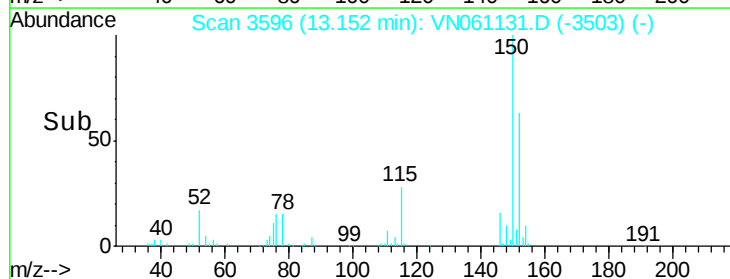
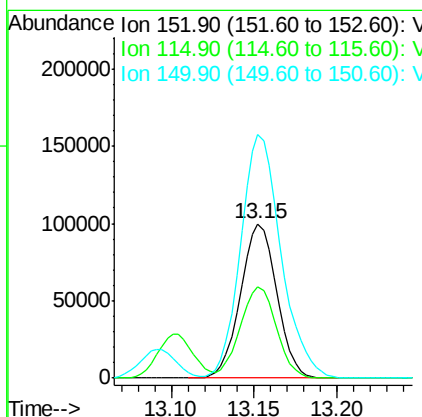
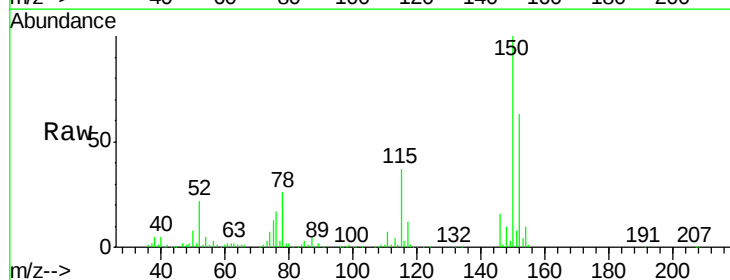
Manual Integrations
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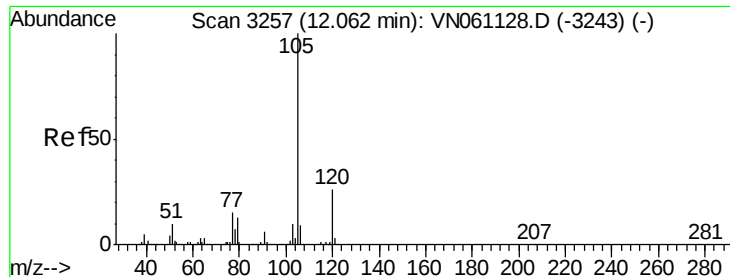
MMDadoda
4/24/2020 1:35:05 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.15 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.8	89.5
150	175.9	0.0	348.6





#73

Isopropylbenzene

Concen: 56.337 ug/l

RT: 12.06 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042220

Tot Ion:105 Resp: 646228

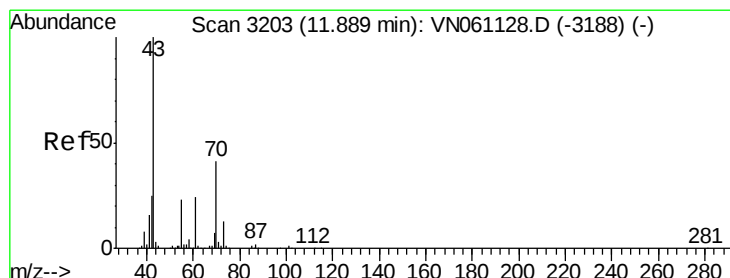
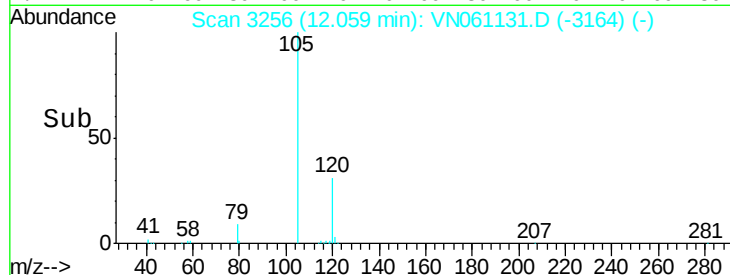
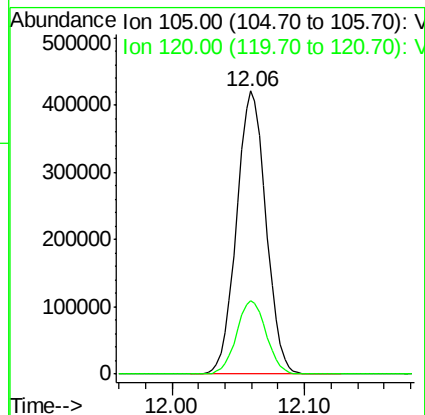
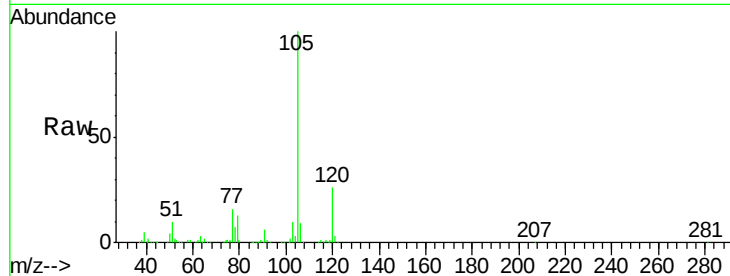
Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.3

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:35:05 PM



#74

N-ethyl acetate

Concen: 52.620 ug/l

RT: 11.89 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Tgt Ion: 43 Resp: 271329

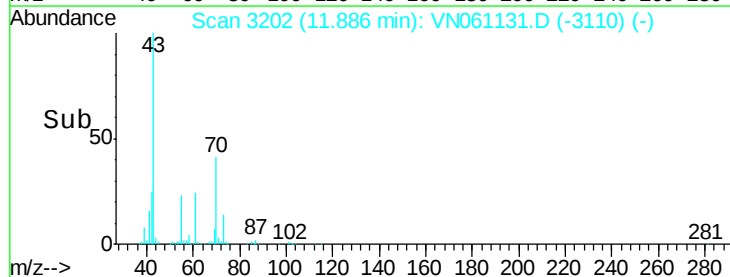
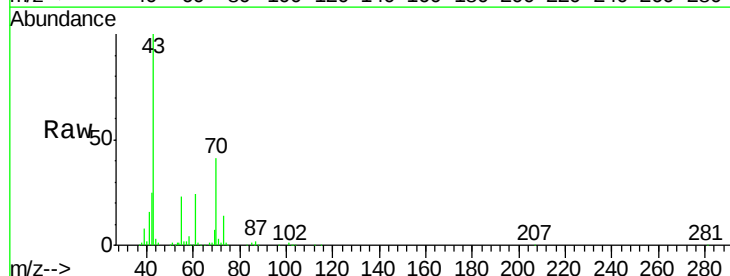
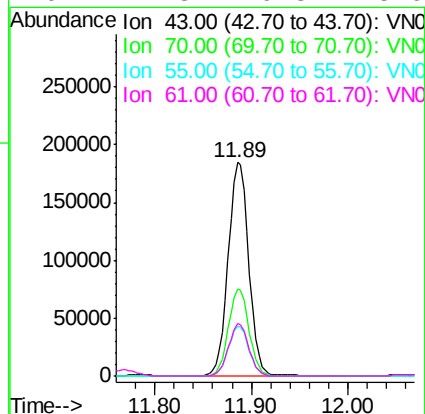
Ion Ratio Lower Upper

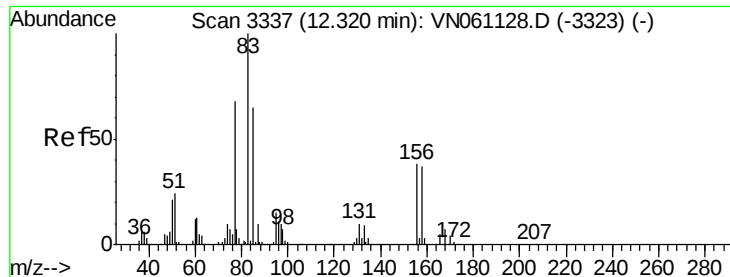
43 100

70 40.8 32.5 48.7

55 23.4 19.0 28.6

61 24.3 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.062 ug/l

RT: 12.32 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

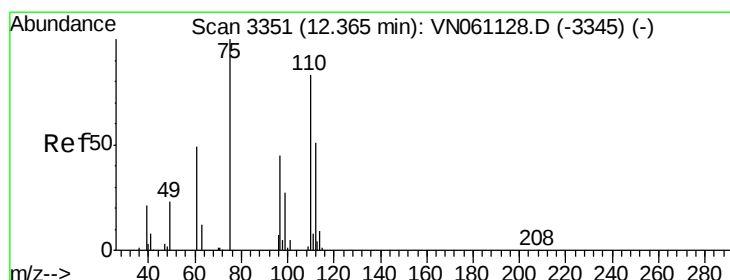
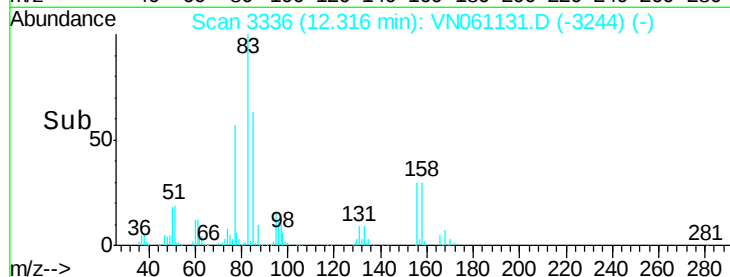
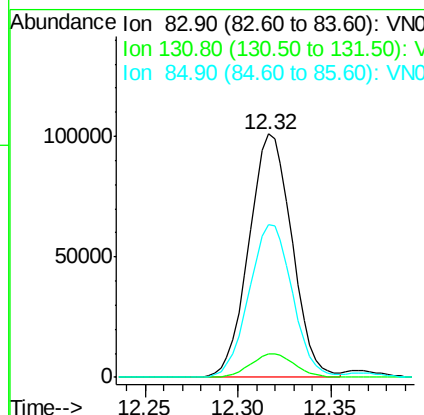
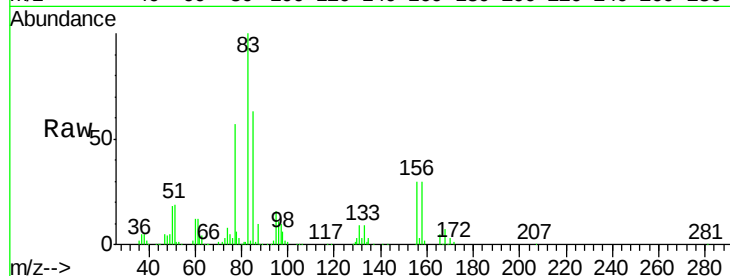
ClientSampleId :

ICVVN042220

Tot Ion:	83	Resp:	163112
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.2
85	63.2	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.496 ug/l m

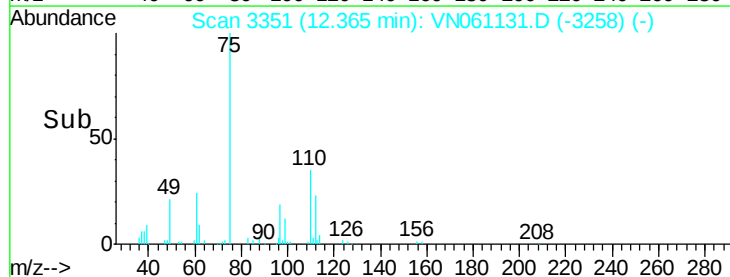
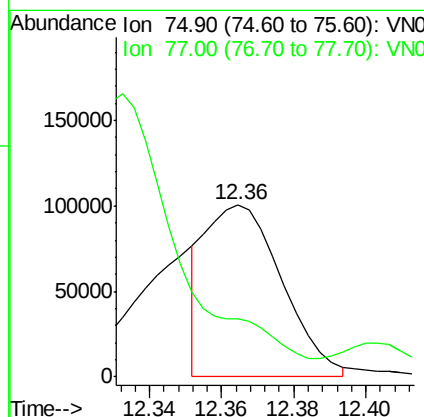
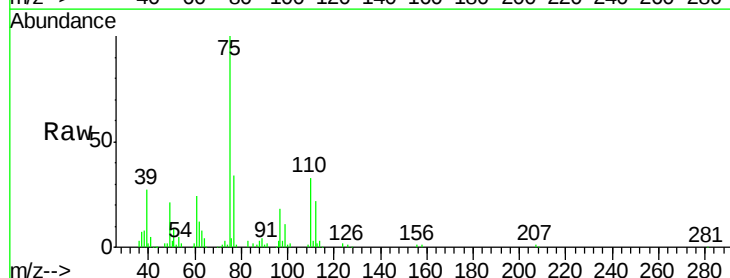
RT: 12.36 min Scan# 3351

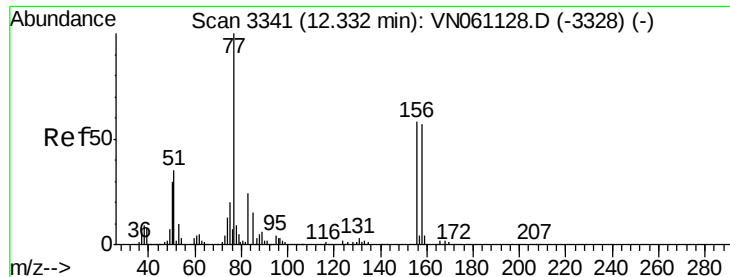
Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Tgt Ion:	75	Resp:	148835
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 55.653 ug/l

RT: 12.33 min Scan# 3341

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

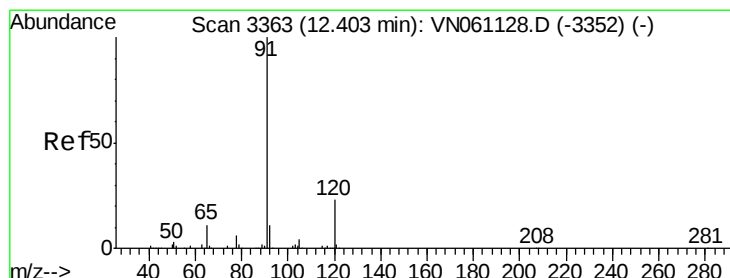
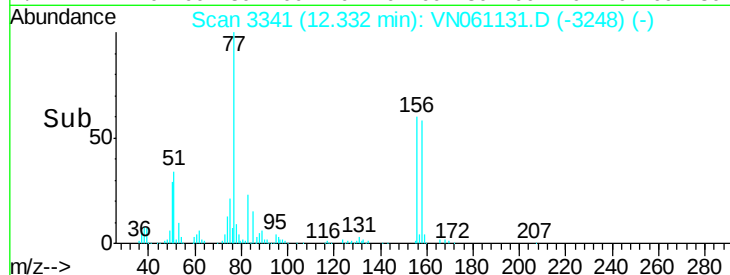
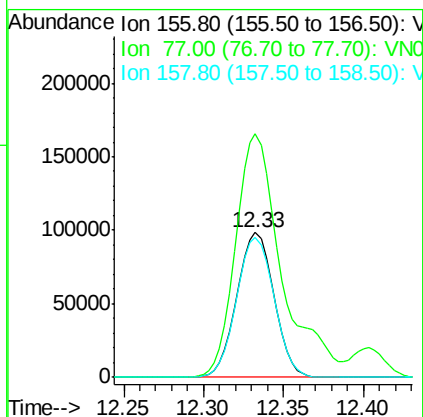
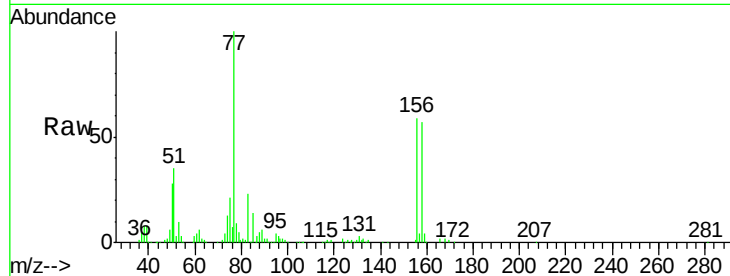
ClientSampleId :

ICVVN042220

Tot Ion	Ratio	Lower	Upper
156	100		
77	209.7	105.7	317.1
158	98.0	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 56.795 ug/l

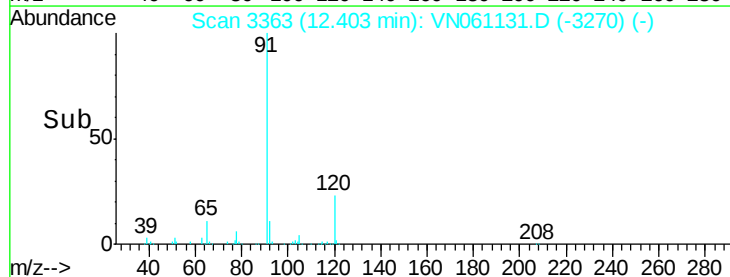
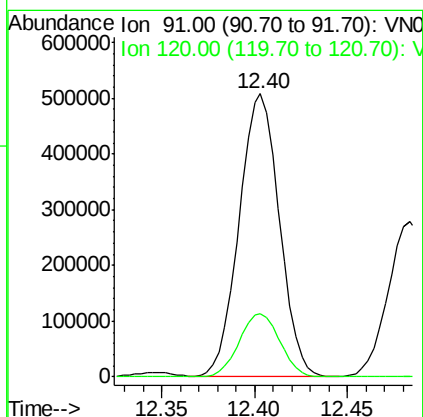
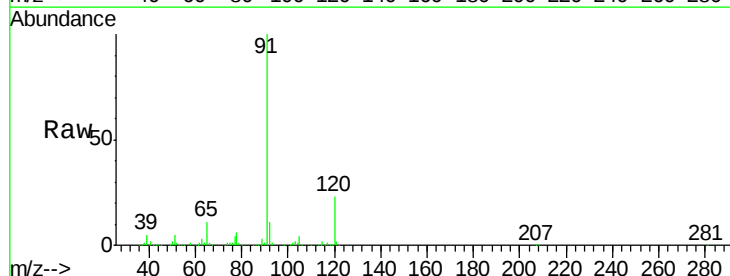
RT: 12.40 min Scan# 3363

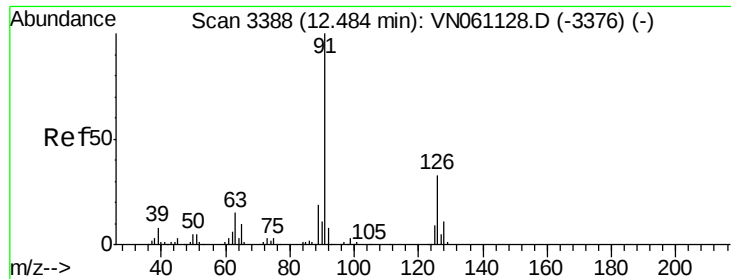
Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.9





#79

2-Chlorotoluene

Concen: 55.605 ug/l

RT: 12.48 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042220

Tot Ion: 91 Resp: 434412

Ion Ratio Lower Upper

91 100

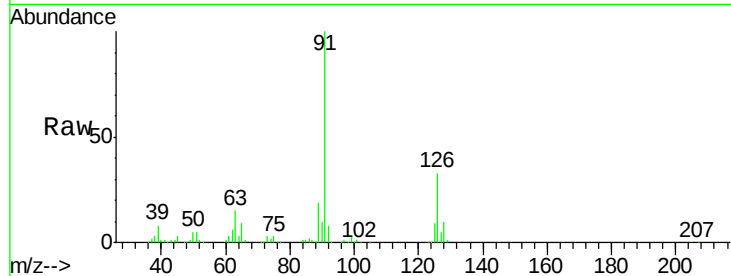
126 33.2 16.7 50.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061131.D (-3295) (-)

Ion 125.90 (125.60 to 126.60): VN061131.D (-3295) (-)

400000

300000

200000

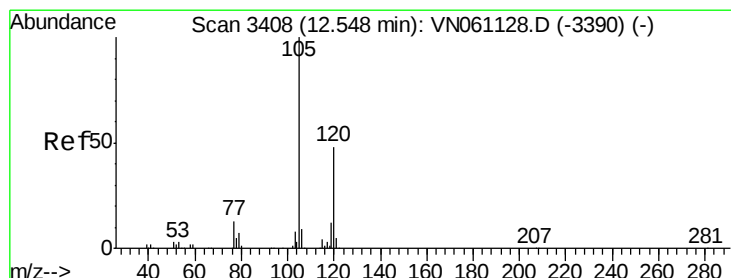
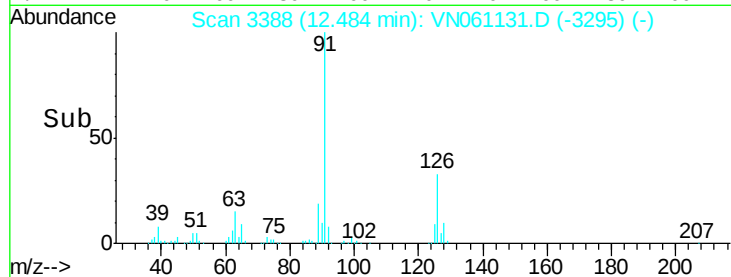
100000

0

12.45

12.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 56.338 ug/l

RT: 12.55 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN061131.D

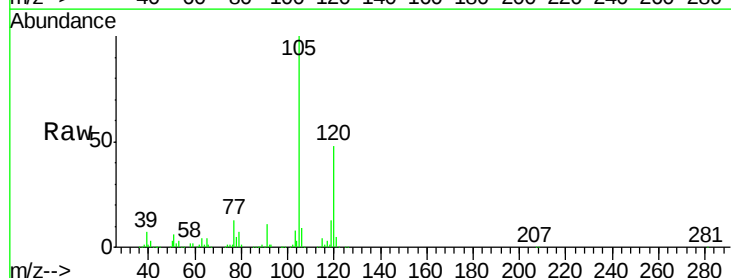
Acq: 22 Apr 2020 15:51

Tgt Ion:105 Resp: 544566

Ion Ratio Lower Upper

105 100

120 48.1 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN061131.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN061131.D (-3315) (-)

400000

300000

200000

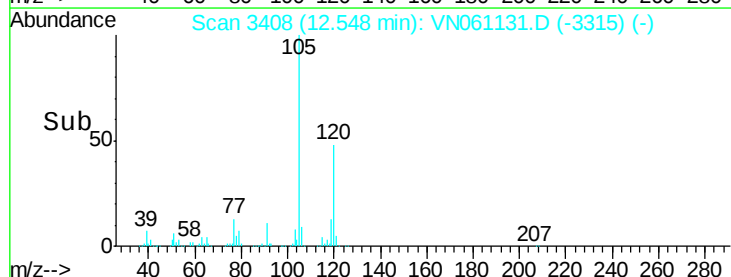
100000

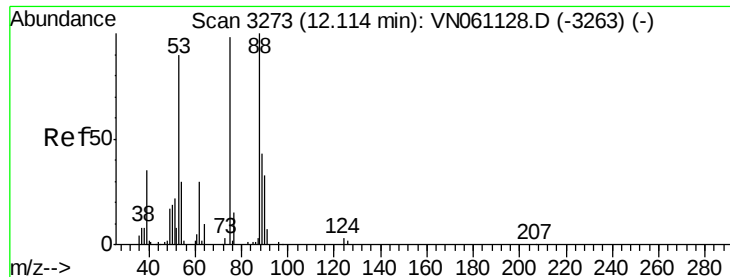
0

12.50

12.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.358 ug/l

RT: 12.11 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

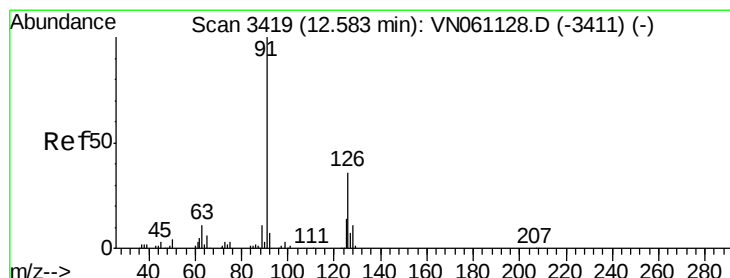
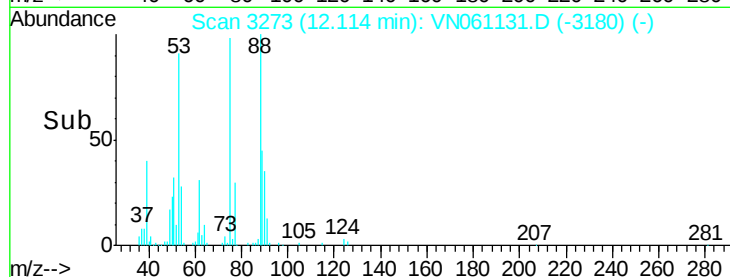
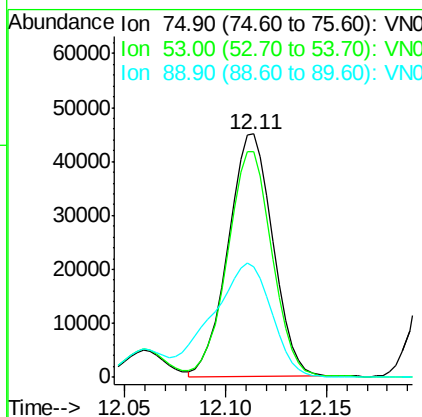
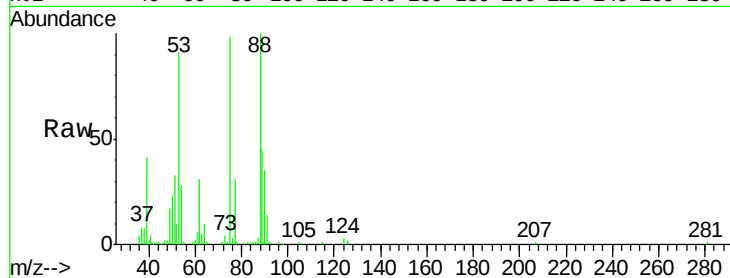
ClientSampleId :

ICVVN042220

Tot Ion:	75	Resp:	69826
Ion	Ratio	Lower	Upper
75	100		
53	93.2	74.3	111.5
89	62.7	36.6	55.0#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 56.419 ug/l

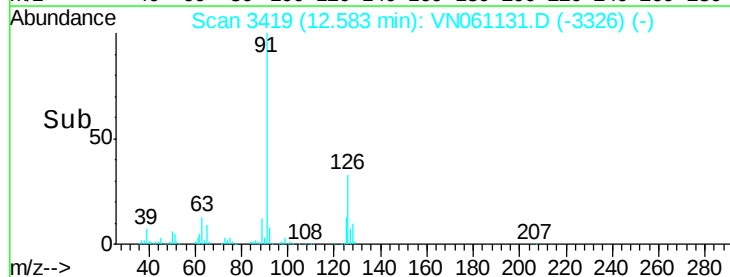
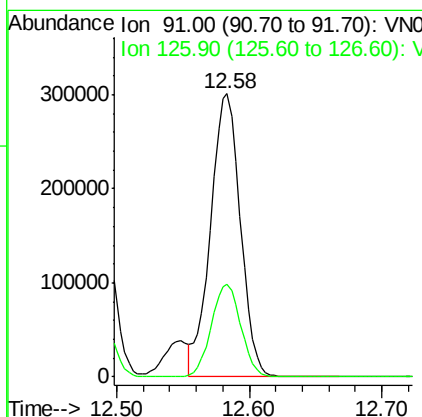
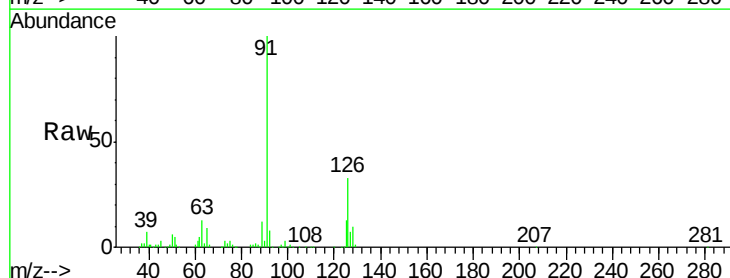
RT: 12.58 min Scan# 3419

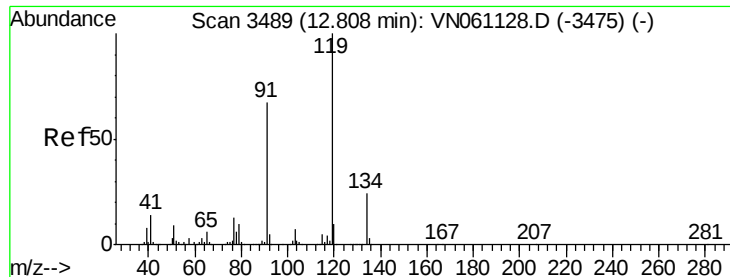
Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Tgt Ion:	91	Resp:	467639
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.2





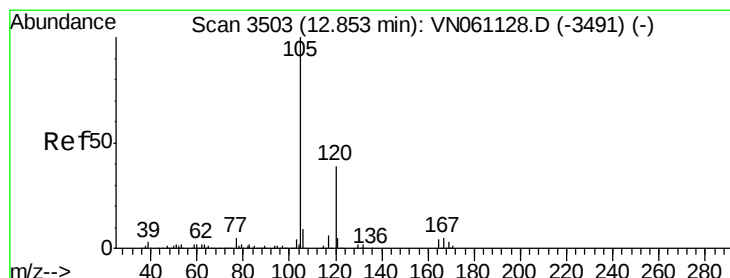
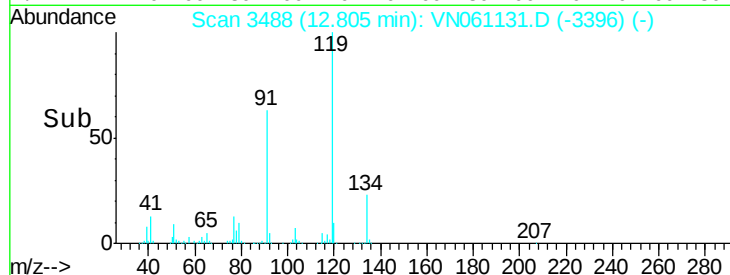
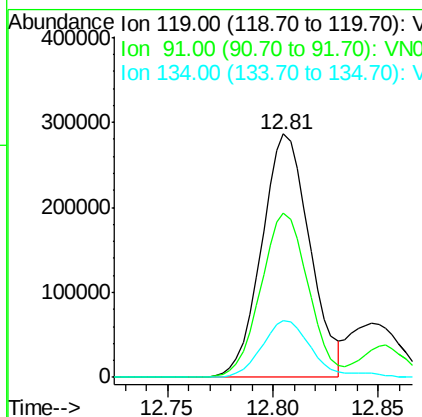
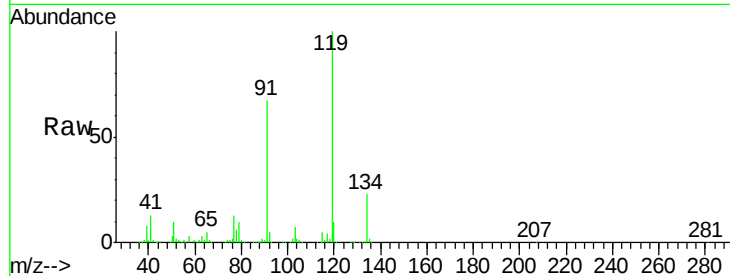
#83
tert-Butylbenzene
Concen: 56.105 ug/l
RT: 12.81 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion	Ratio	Resp	Lower	Upper
119	100	455433		
91	66.6	32.8	98.4	
134	24.5	12.2	36.4	

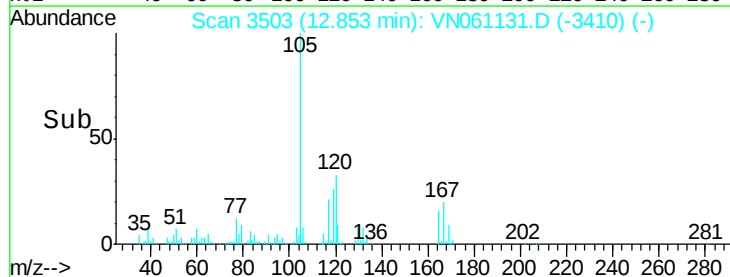
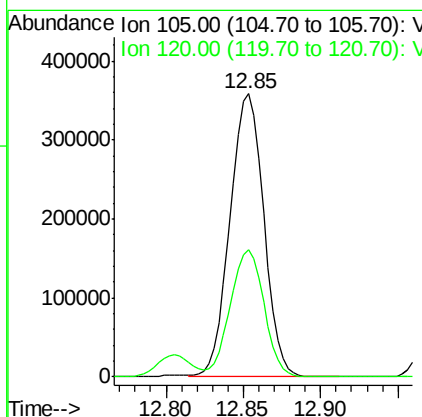
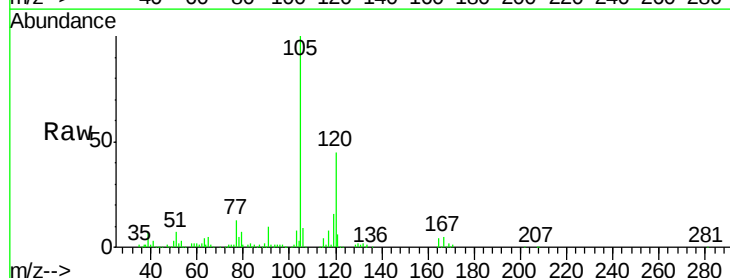
Manual Integrations
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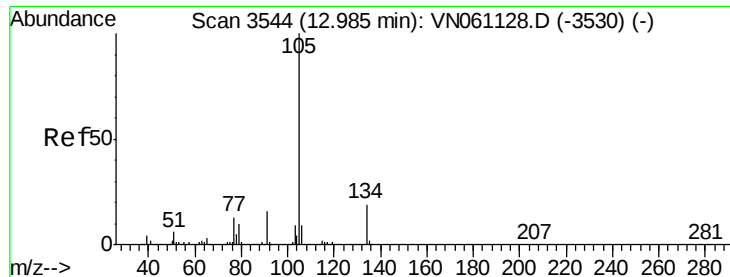
MMDadoda
4/24/2020 1:35:05 PM



#84
1,2,4-Trimethylbenzene
Concen: 56.337 ug/l
RT: 12.85 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	542343		
120	45.0	22.4	67.0	





#85

sec-Butylbenzene

Concen: 56.616 ug/l

RT: 12.99 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042220

Tot Ion:105 Resp: 621893

Ion Ratio Lower Upper

105 100

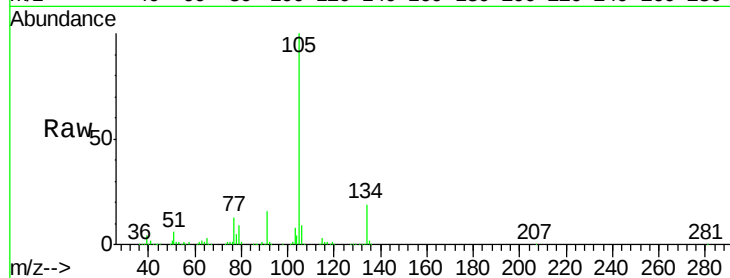
134 19.5 9.7 28.9

Manual Integrations

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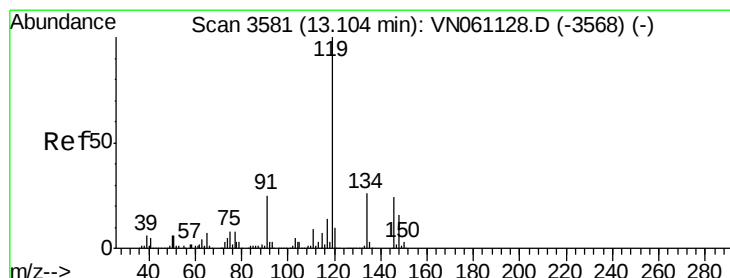
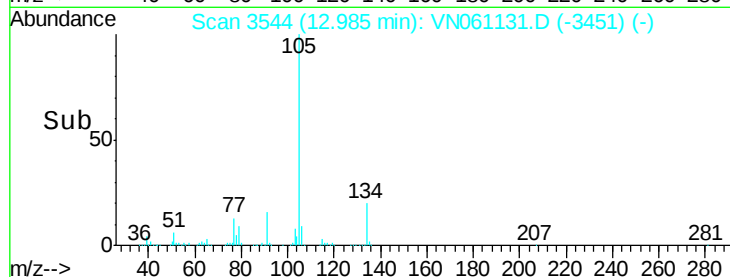
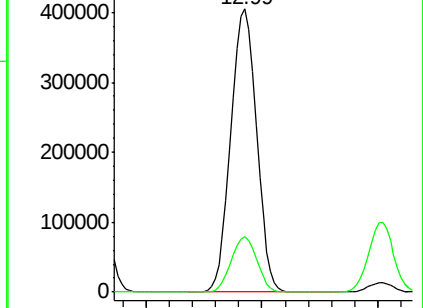
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.920 ug/l

RT: 13.10 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

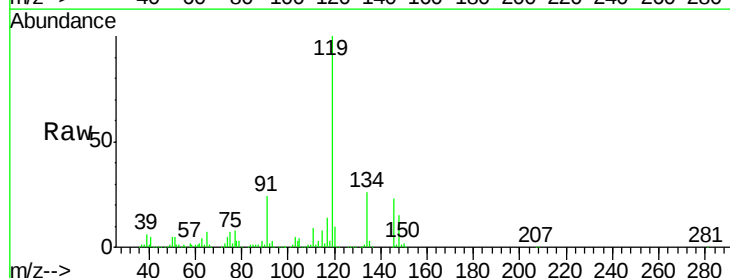
Tgt Ion:119 Resp: 567487

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

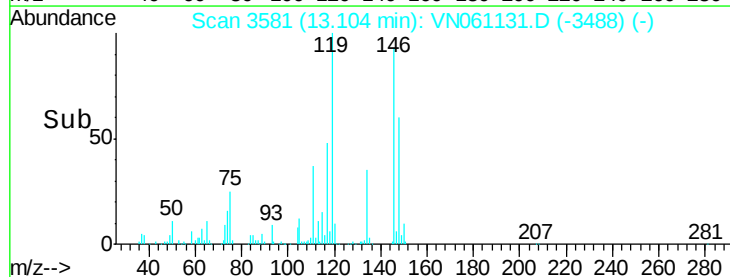
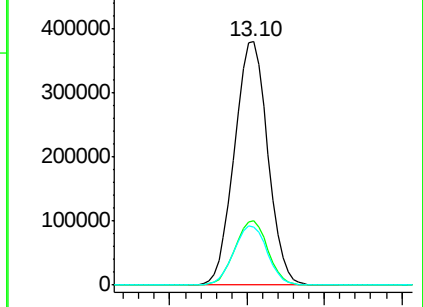
91 24.3 12.4 37.0

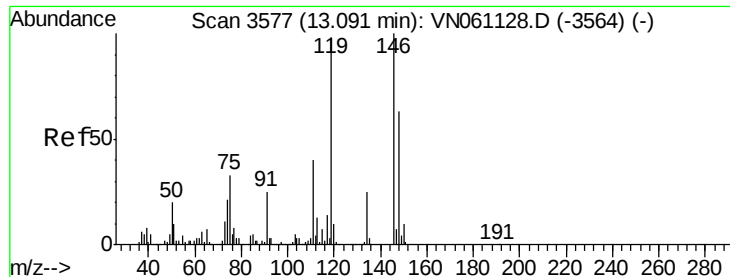


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 56.825 ug/l

RT: 13.09 min Scan# 3577

Delta R.T. 0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Instrument :

MSVOA_N

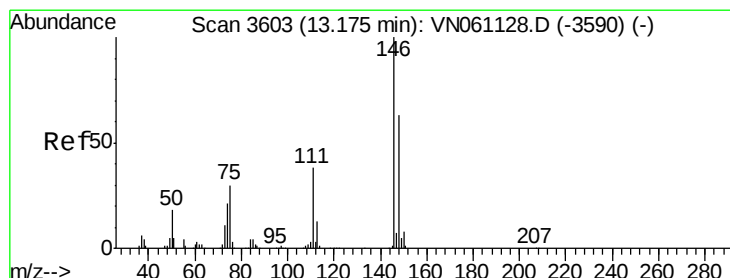
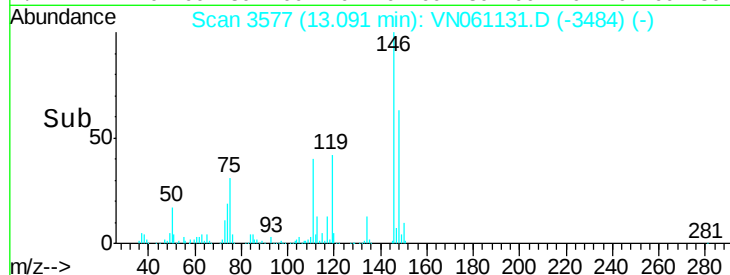
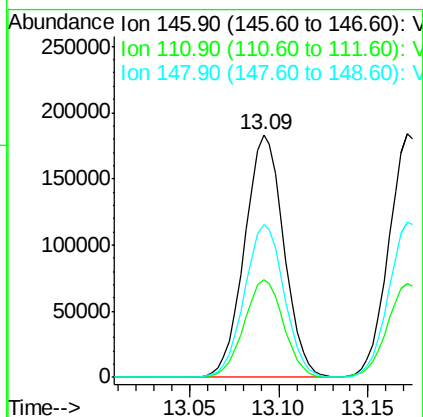
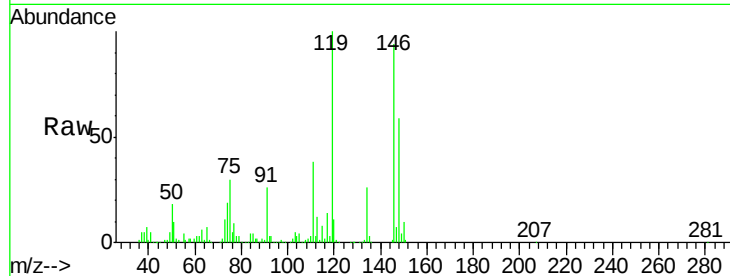
ClientSampleId :

ICVVN042220

Tot Ion:	146	Resp:	281474
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.3	60.9
148	63.8	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 56.279 ug/l

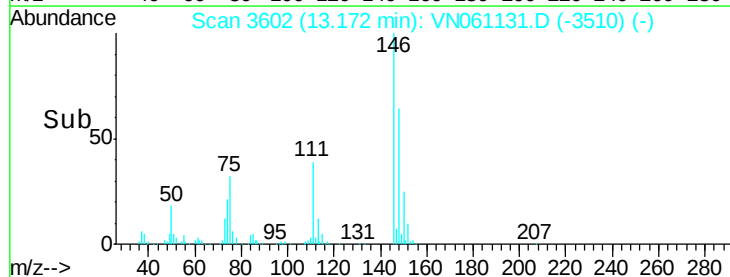
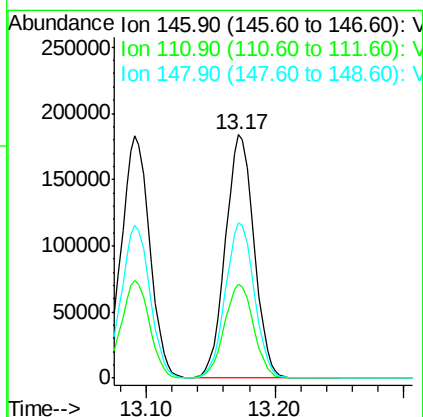
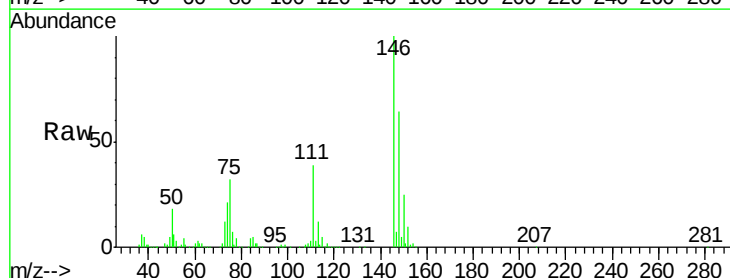
RT: 13.17 min Scan# 3602

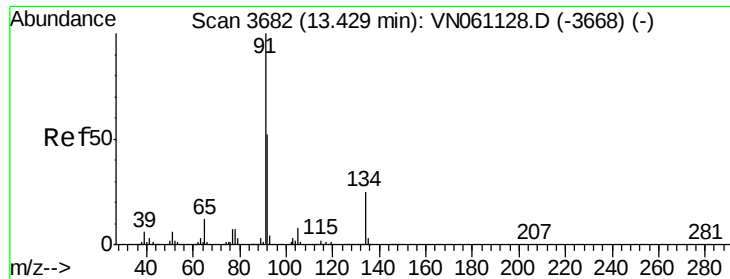
Delta R.T. -0.00 min

Lab File: VN061131.D

Acq: 22 Apr 2020 15:51

Tgt Ion:	146	Resp:	282972
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.7	59.1
148	64.3	31.8	95.3





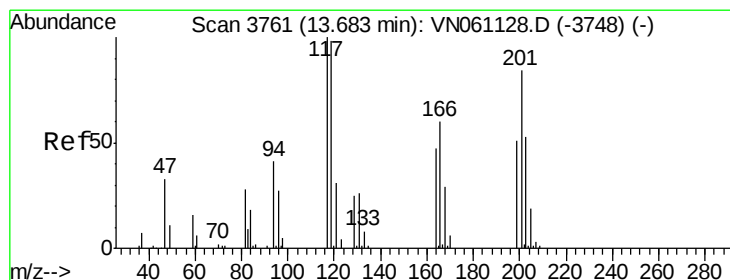
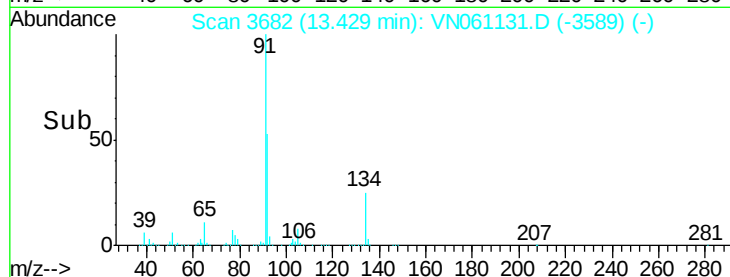
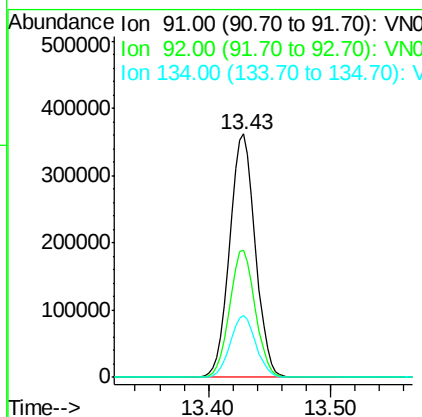
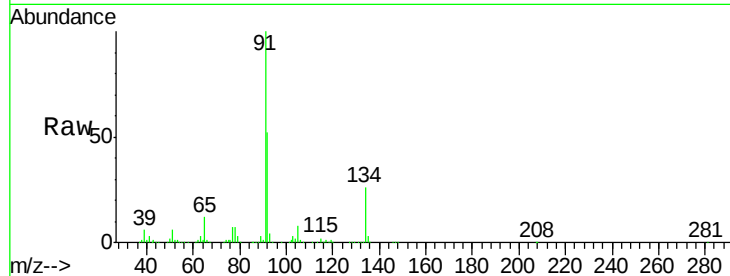
#89
n-Butylbenzene
Concen: 58.394 ug/l
RT: 13.43 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	25.4	12.6	37.6

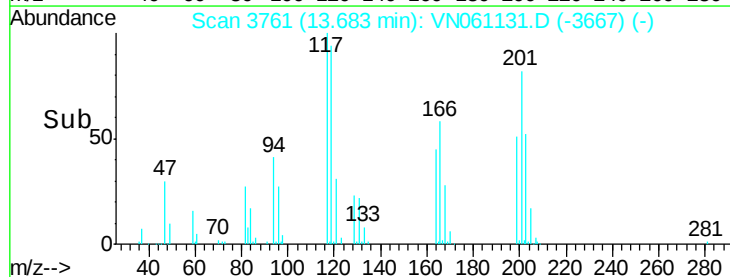
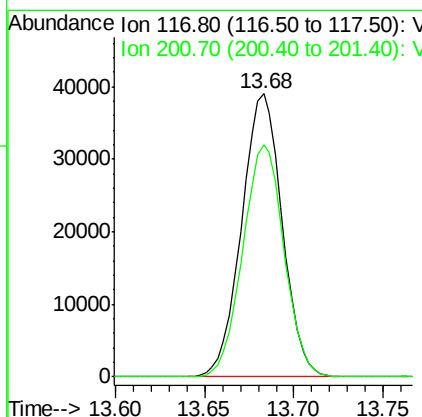
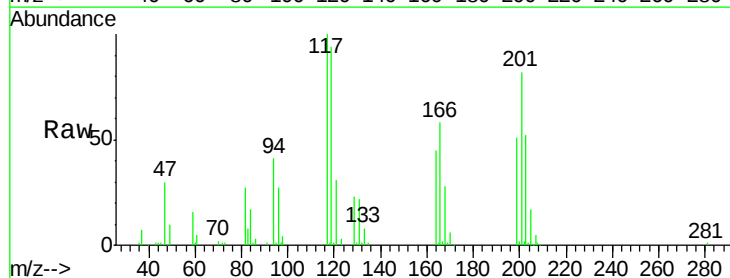
Manual Integrations
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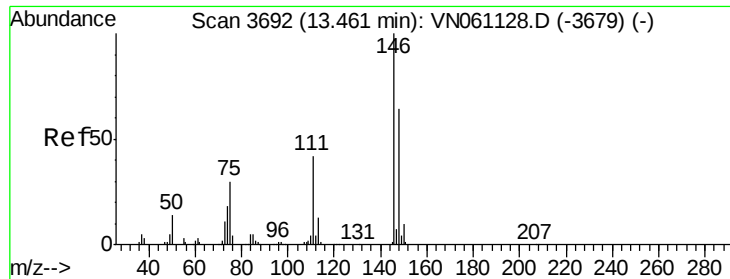
MMDadoda
4/24/2020 1:35:05 PM



#90
Hexachloroethane
Concen: 58.950 ug/l
RT: 13.68 min Scan# 3761
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	41.4	124.4





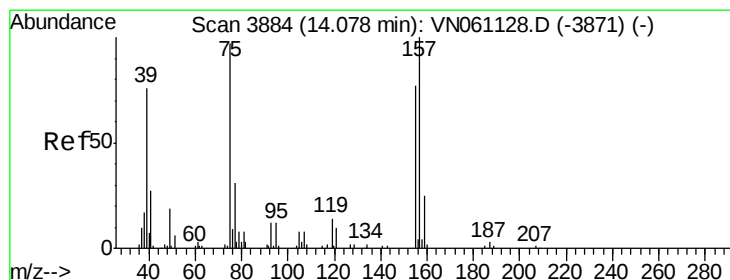
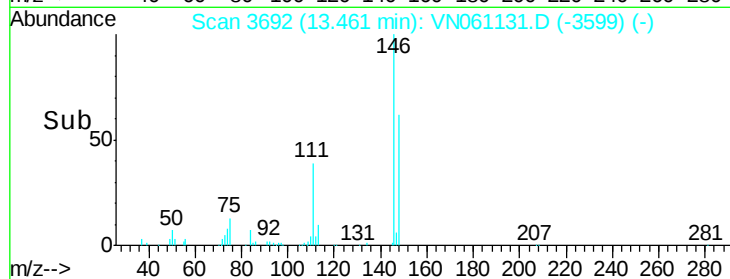
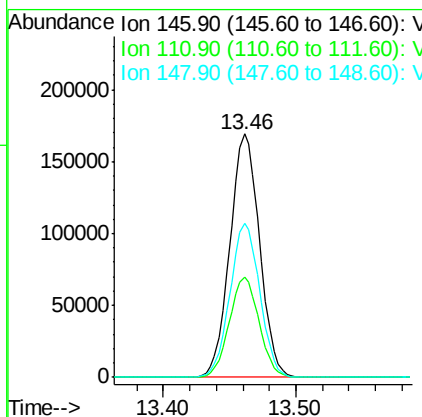
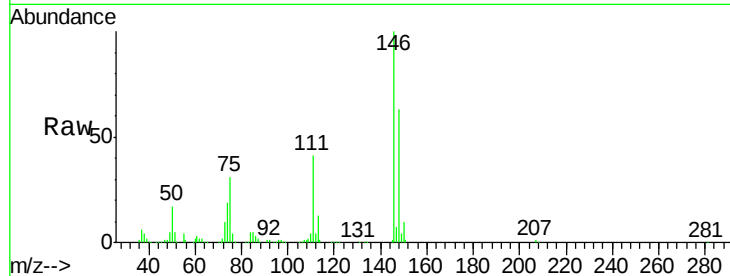
#91
 1,2-Dichlorobenzene
 Concen: 57.055 ug/l
 RT: 13.46 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042220

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.2
148	63.5	31.7	95.1

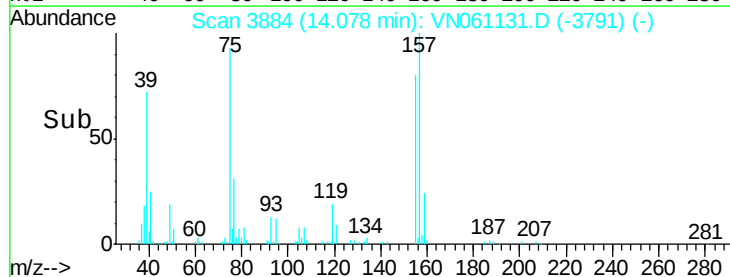
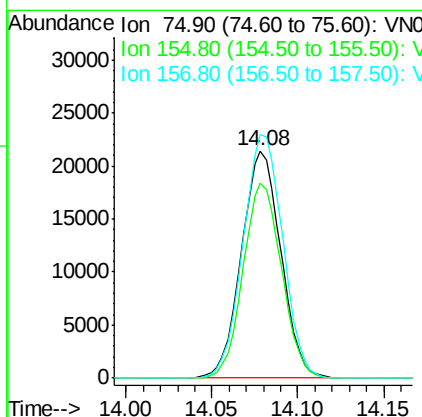
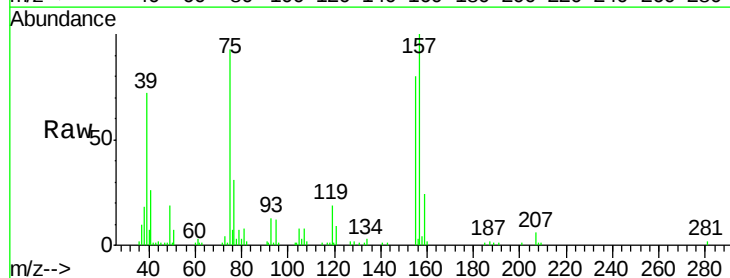
Manual Integrations
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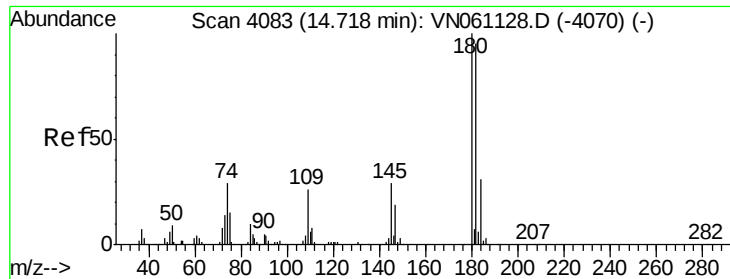
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.008 ug/l
 RT: 14.08 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	40.3	120.9
157	108.1	51.6	154.8





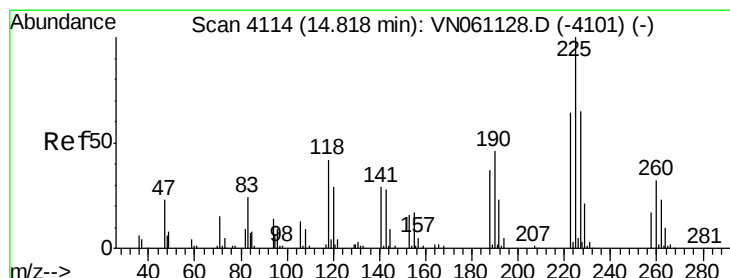
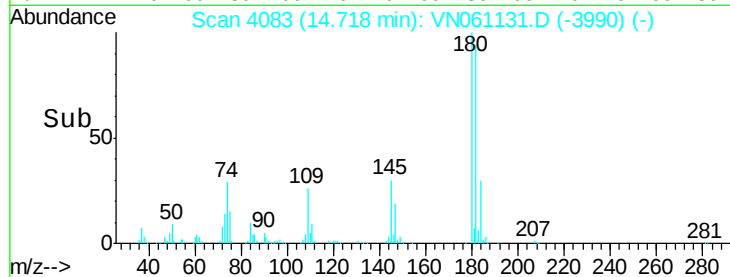
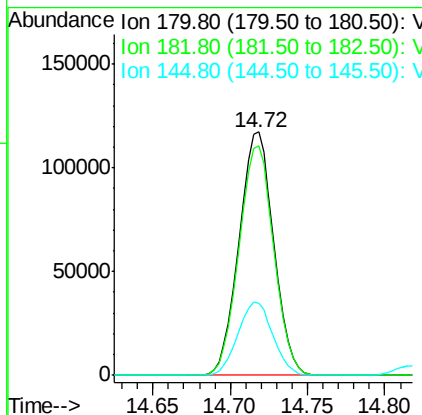
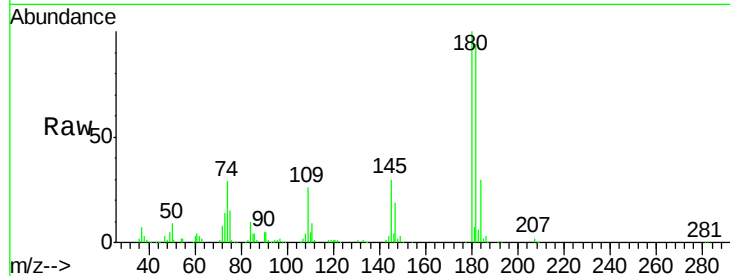
#93
 1,2,4-Trichlorobenzene
 Concen: 59.100 ug/l
 RT: 14.72 min Scan# 4083
 Delta R.T. 0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042220

Tot Ion	Ratio	Resp	Lower	Upper
180	100	182162		
182	94.9	47.9	143.7	
145	30.4	15.2	45.5	

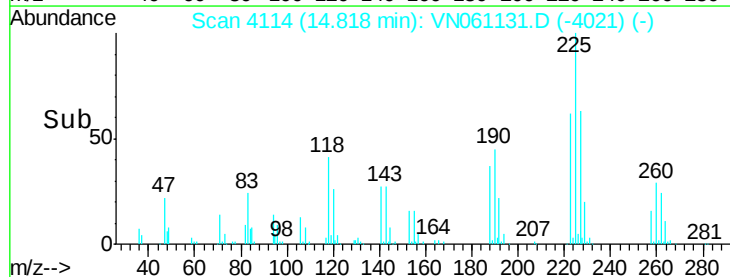
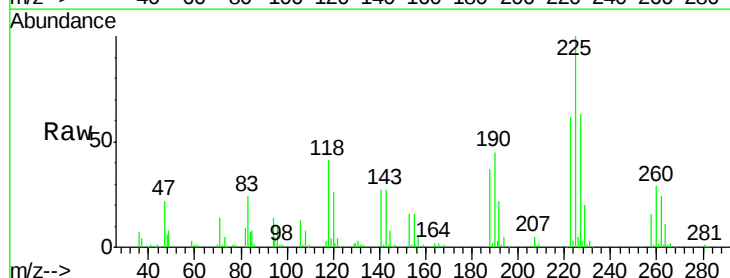
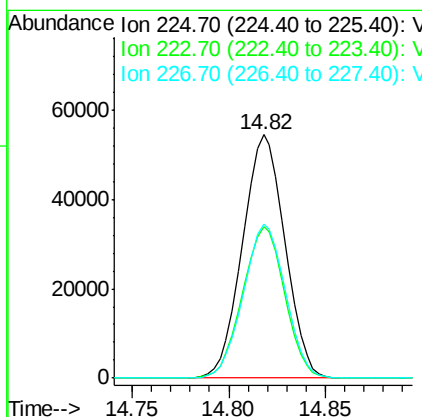
Manual Integrations
 APPROVED

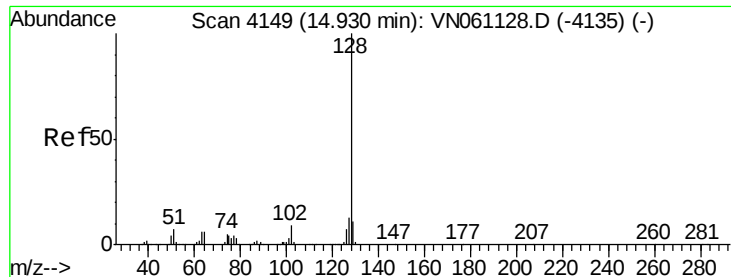
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#94
 Hexachlorobutadiene
 Concen: 61.838 ug/l
 RT: 14.82 min Scan# 4114
 Delta R.T. 0.00 min
 Lab File: VN061131.D
 Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83120		
223	61.9	31.6	95.0	
227	62.8	32.0	96.2	





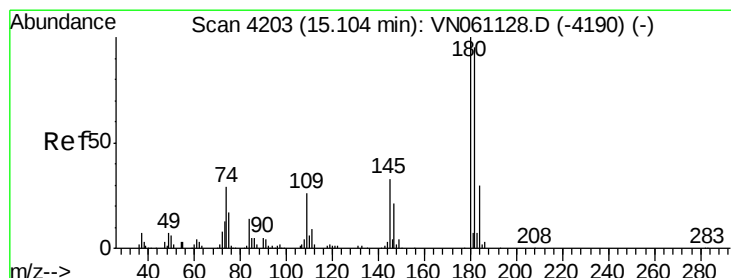
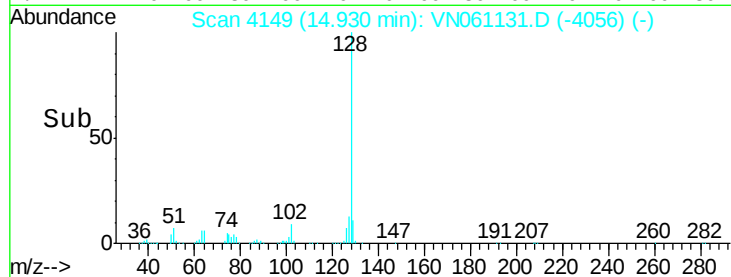
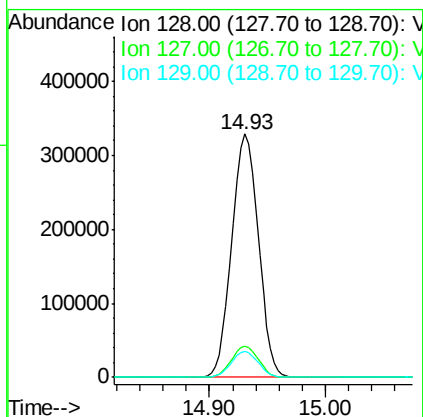
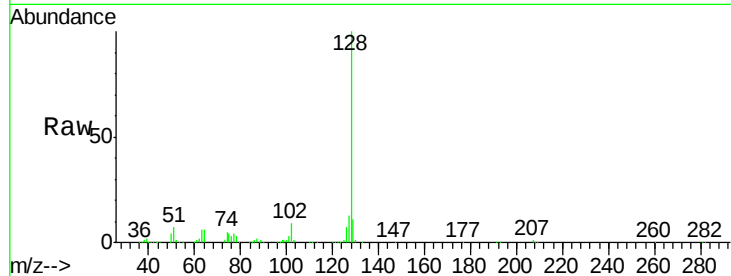
#95
Naphthalene
Concen: 54.957 ug/l
RT: 14.93 min Scan# 4149
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042220

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.6	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 58.164 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061131.D
Acq: 22 Apr 2020 15:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.7	143.1
145	32.0	16.3	48.8

