

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\
 Data File : VN061300.D
 Acq On : 5 May 2020 18:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 11:38:04 AM

Quant Time: May 06 06:11:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	105179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	179157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	169827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	85366	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
35) Dibromofluoromethane	7.55	113	49665	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
50) Toluene-d8	10.06	98	223541	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.38	95	85318	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	51421	46.103	ug/l	100
3) Chloromethane	2.03	50	68703	50.860	ug/l	99
4) Vinyl Chloride	2.16	62	77587	50.570	ug/l	99
5) Bromomethane	2.53	94	32405	42.728	ug/l	96
6) Chloroethane	2.67	64	48563	49.938	ug/l	99
7) Trichlorofluoromethane	2.98	101	97193	56.149	ug/l	99
8) Diethyl Ether	3.37	74	37756	52.293	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	55446	49.721	ug/l	98
10) Methyl Iodide	3.91	142	56932	39.726	ug/l	98
11) Tert butyl alcohol	4.73	59	48497	217.534	ug/l	100
12) 1,1-Dichloroethene	3.69	96	53251	47.986	ug/l	98
13) Acrolein	3.56	56	33075	222.625	ug/l	98
14) Allyl chloride	4.27	41	111530	54.203	ug/l	97
15) Acrylonitrile	4.93	53	173305	253.234	ug/l	100
16) Acetone	3.77	43	148662	230.538	ug/l	100
17) Carbon Disulfide	4.01	76	119880	39.107	ug/l	100
18) Methyl Acetate	4.27	43	92505	44.114	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	207405	48.912	ug/l	99
20) Methylene Chloride	4.50	84	62533	48.187	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	57545	47.621	ug/l	98
22) Diisopropyl ether	5.90	45	239955	50.289	ug/l	98
23) Vinyl Acetate	5.84	43	954008	248.317	ug/l	100
24) 1,1-Dichloroethane	5.80	63	122241	49.034	ug/l	99
25) 2-Butanone	6.78	43	238673	242.358	ug/l	100
26) 2,2-Dichloropropane	6.77	77	103484	49.282	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	68185	48.083	ug/l	98
28) Bromochloromethane	7.15	49	60288	51.021	ug/l	96
29) Tetrahydrofuran	7.17	42	161898	244.051	ug/l	99
30) Chloroform	7.33	83	121131	47.946	ug/l	98
31) Cyclohexane	7.61	56	105033	43.382	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	107020	48.646	ug/l	99
36) 1,1-Dichloropropene	7.75	75	88348	49.262	ug/l	99
37) Ethyl Acetate	6.88	43	105788	50.315	ug/l	99
38) Carbon Tetrachloride	7.73	117	82284	50.273	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	94884	47.176	ug/l	99
40) Benzene	8.00	78	259076	48.488	ug/l	100
41) Methacrylonitrile	7.13	41	50416	57.753	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	103229	50.998	ug/l	99
43) Isopropyl Acetate	8.12	43	174337	49.962	ug/l	99
44) Trichloroethene	8.80	130	64755	44.832	ug/l	98
45) 1,2-Dichloropropane	9.08	63	70573	49.439	ug/l	100
46) Dibromomethane	9.17	93	44959	50.868	ug/l	99
47) Bromodichloromethane	9.37	83	97635	51.466	ug/l	98
48) Methyl methacrylate	9.17	41	82550	52.427	ug/l	97
49) 1,4-Dioxane	9.17	88	13303	744.289	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	528150	257.146	ug/l	100
52) Toluene	10.12	92	159508	49.563	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	108106	50.574	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	113410	50.184	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	63994	49.851	ug/l	99
56) Ethyl methacrylate	10.40	69	103550	46.493	ug/l	99
57) 1,3-Dichloropropane	10.68	76	114221	50.621	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	250438	241.018	ug/l	100
59) 2-Hexanone	10.72	43	382404	255.917	ug/l	100
60) Dibromochloromethane	10.87	129	68466	50.924	ug/l	99
61) 1,2-Dibromoethane	10.98	107	63927	49.685	ug/l	98
64) Tetrachloroethene	10.60	164	61452	41.779	ug/l	99
65) Chlorobenzene	11.41	112	165279	49.062	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	61773	51.233	ug/l	99
67) Ethyl Benzene	11.48	91	313673	49.739	ug/l	100
68) m/p-Xylenes	11.60	106	228517	98.997	ug/l	97
69) o-Xylene	11.92	106	108051	48.731	ug/l	96
70) Styrene	11.94	104	187425	50.505	ug/l	99
71) Bromoform	12.10	173	46041	51.957	ug/l #	99
73) Isopropylbenzene	12.22	105	299807	49.559	ug/l	100
74) N-amyl acetate	12.04	43	149353	48.755	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	93964	49.814	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	93028m	53.622	ug/l	
77) Bromobenzene	12.50	156	68187	48.828	ug/l	98
78) n-propylbenzene	12.57	91	359427	50.092	ug/l	99
79) 2-Chlorotoluene	12.65	91	210365	49.879	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	253993	50.729	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	33651	49.258	ug/l	99
82) 4-Chlorotoluene	12.75	91	222273	50.004	ug/l	99
83) tert-Butylbenzene	12.97	119	209575	49.641	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	253882	49.217	ug/l	99
85) sec-Butylbenzene	13.15	105	286883	49.841	ug/l	99
86) p-Isopropyltoluene	13.26	119	256800	49.518	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	127635	49.648	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	126586	48.192	ug/l	99
89) n-Butylbenzene	13.59	91	240298	50.543	ug/l	100
90) Hexachloroethane	13.85	117	35073	62.575	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	121857	49.435	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	19313	48.478	ug/l	99

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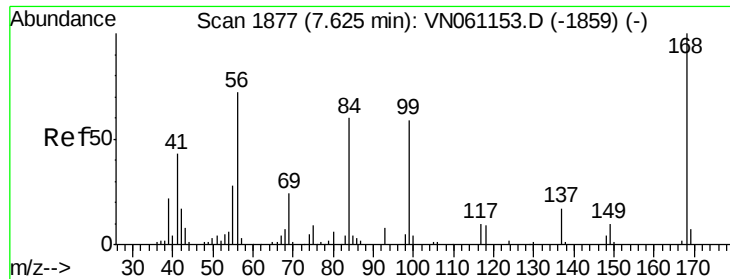
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	72420	48.246	ug/l	100
94) Hexachlorobutadiene	14.98	225	30539	48.699	ug/l	98
95) Naphthalene	15.11	128	225711	46.172	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	71117	47.987	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061300.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 105179

Ion Ratio Lower Upper

168 100

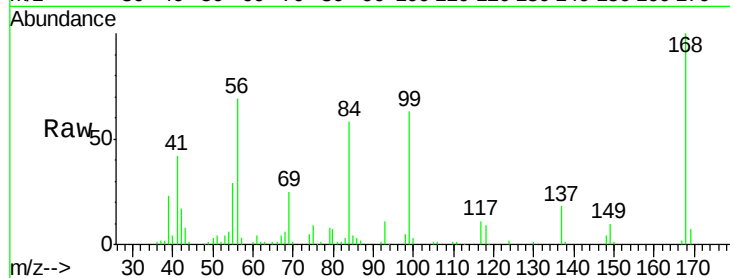
99 62.8 51.2 76.8

Manual Integrations

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5/6/2020 11:38:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

40000

30000

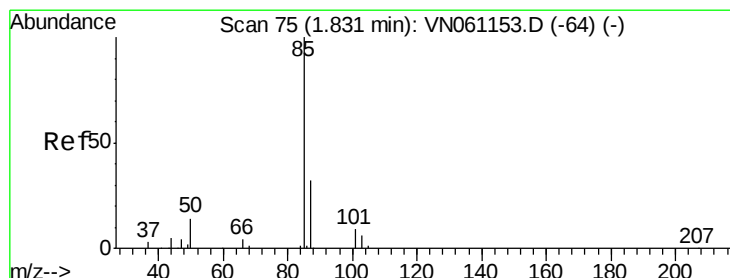
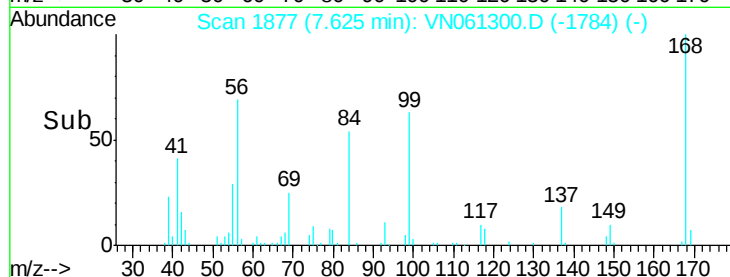
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10000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.103 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061300.D

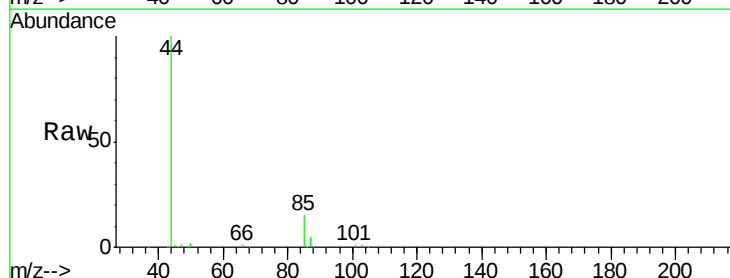
Acq: 5 May 2020 18:24

Tgt Ion: 85 Resp: 51421

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

30000

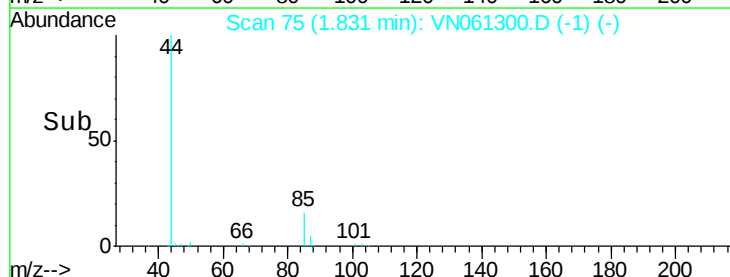
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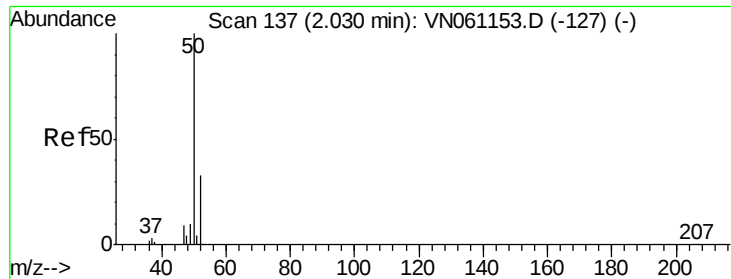
10000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 50.860 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Tot Ion: 50 Resp: 68703

Ion Ratio Lower Upper

50 100

52 31.8 26.0 39.0

Instrument :

MSVOA_N

ClientSampleId :

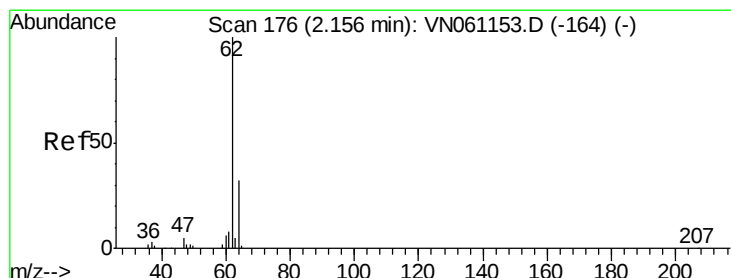
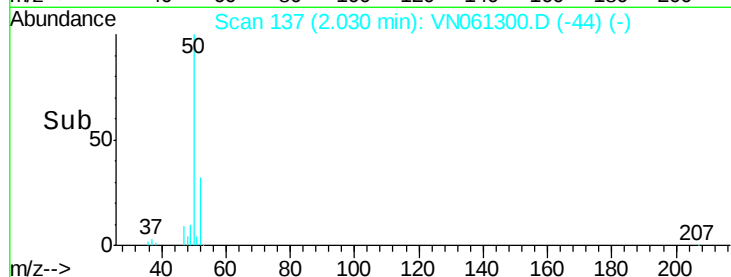
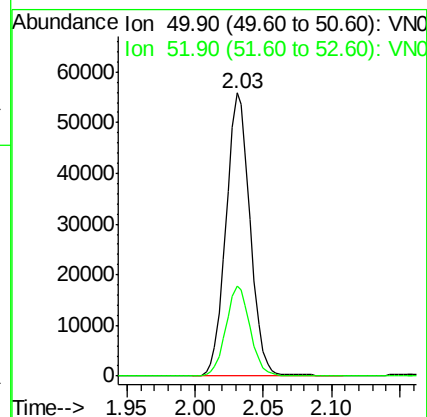
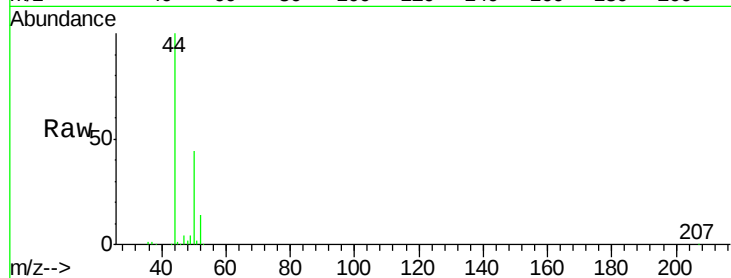
VSTDCCC050EC

Manual Integrations

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5/6/2020 11:38:04 AM



#4

Vinyl Chloride

Concen: 50.570 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061300.D

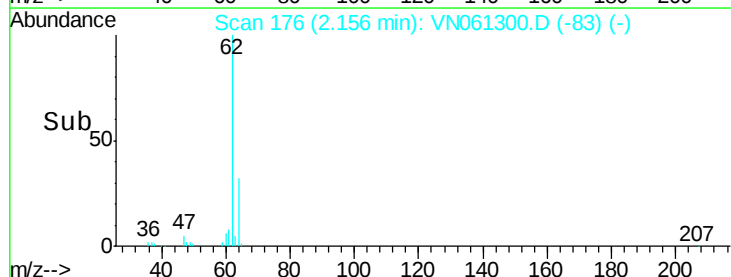
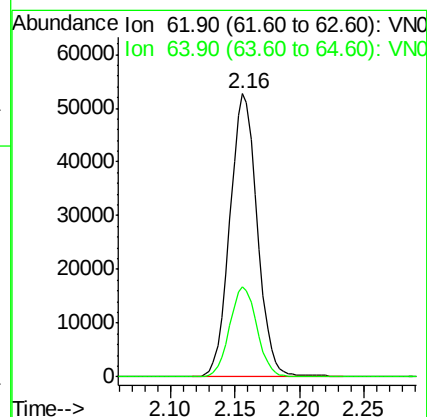
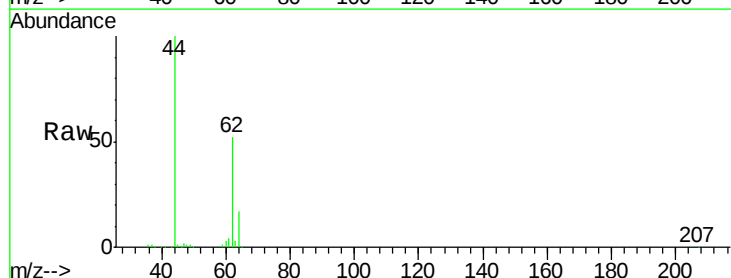
Acq: 5 May 2020 18:24

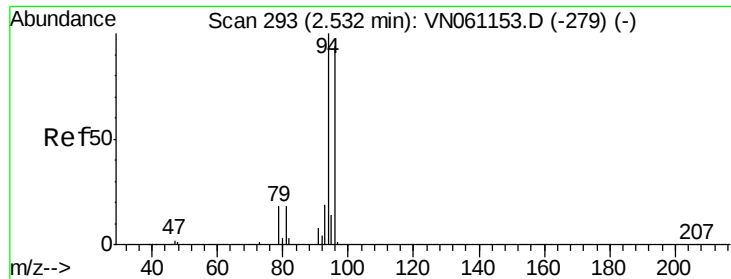
Tgt Ion: 62 Resp: 77587

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8





#5

Bromomethane

Concen: 42.728 ug/l

RT: 2.53 min Scan# 293

Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 32405

Ion Ratio Lower Upper

94 100

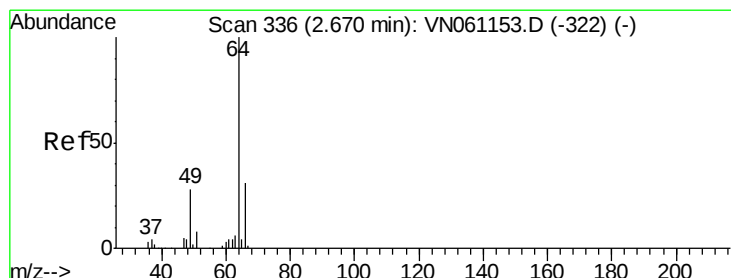
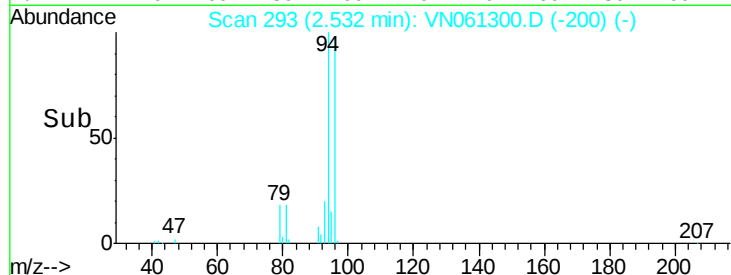
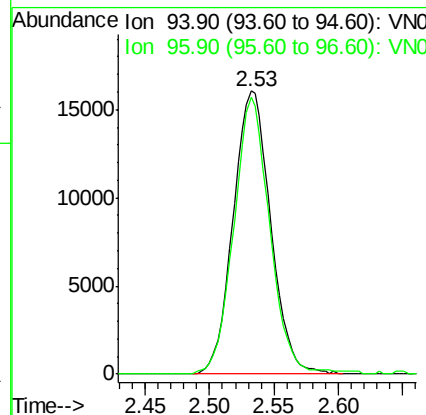
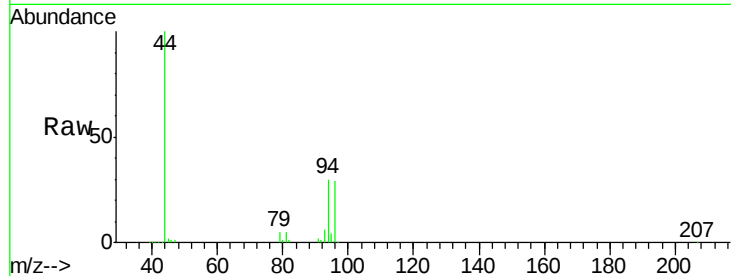
96 97.7 75.1 112.7

Manual Integrations

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5/6/2020 11:38:04 AM



#6

Chloroethane

Concen: 49.938 ug/l

RT: 2.67 min Scan# 336

Delta R.T. -0.00 min

Lab File: VN061300.D

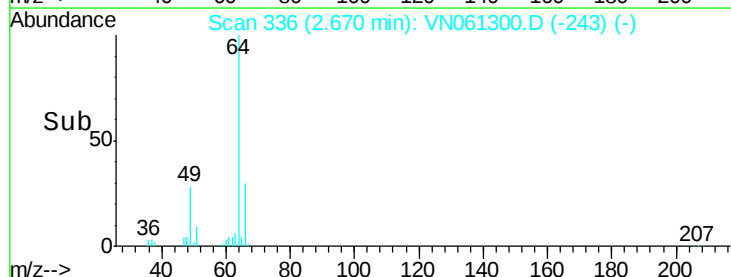
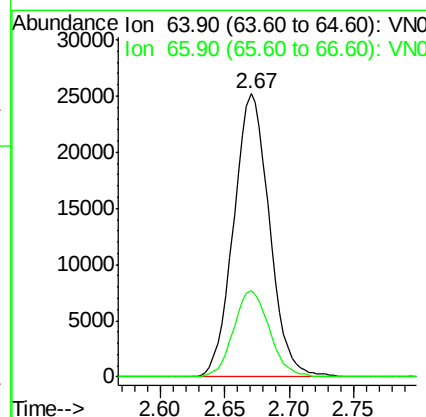
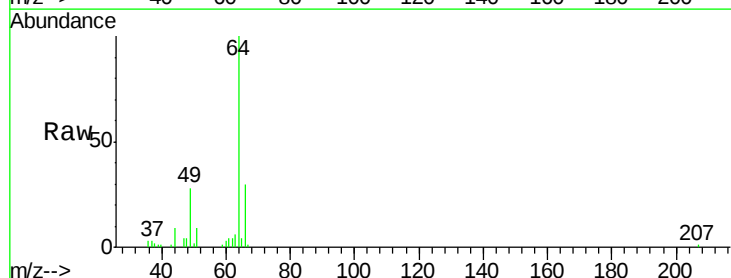
Acq: 5 May 2020 18:24

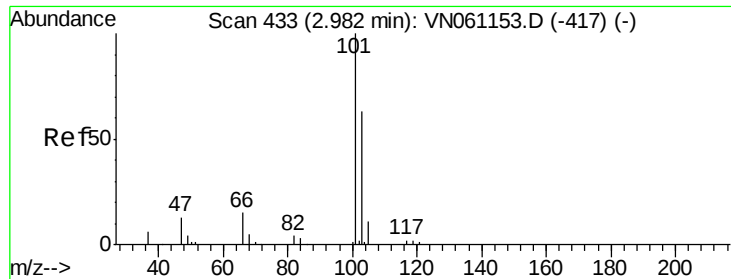
Tgt Ion: 64 Resp: 48563

Ion Ratio Lower Upper

64 100

66 30.3 24.6 36.8





#7

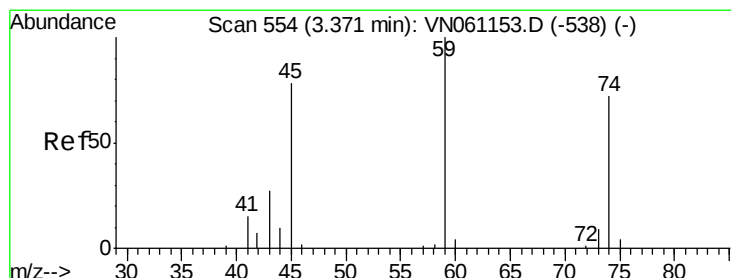
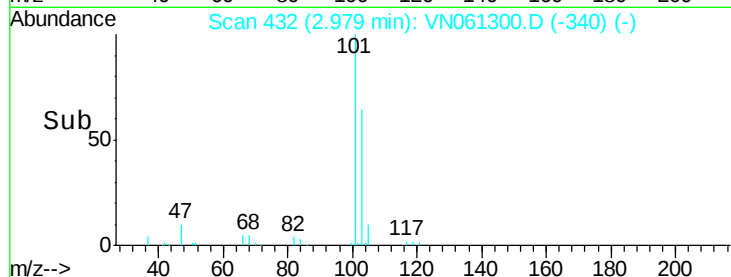
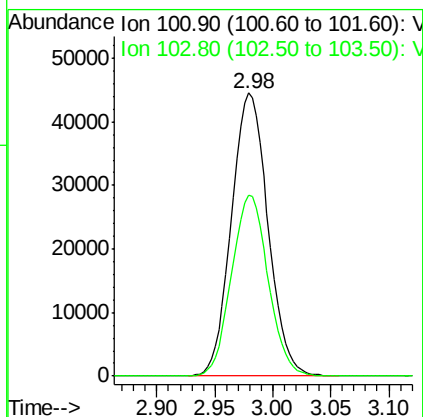
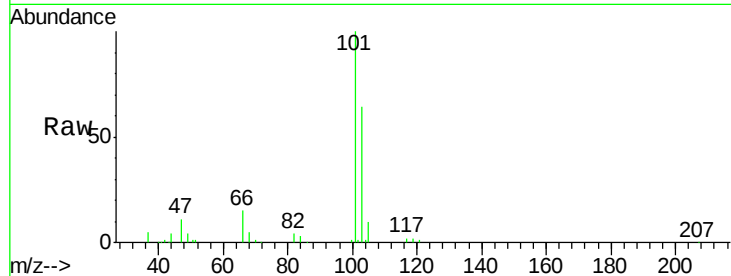
Trichlorofluoromethane
Concen: 56.149 ug/l
RT: 2.98 min Scan# 432
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	64.0	50.6	76.0	

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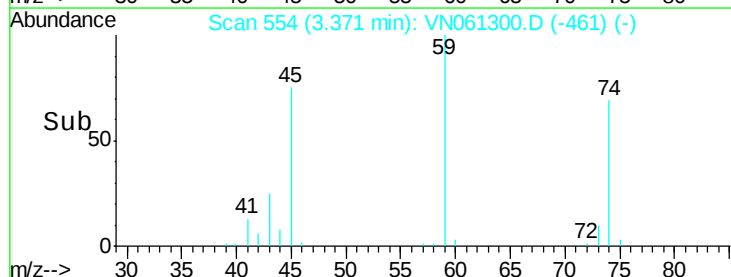
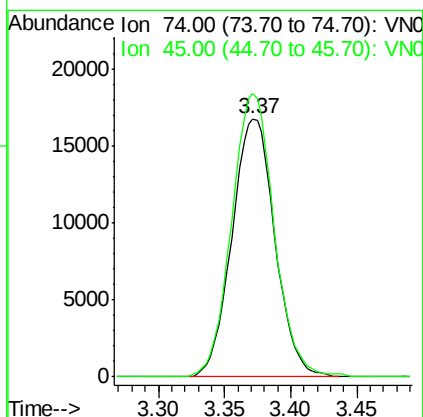
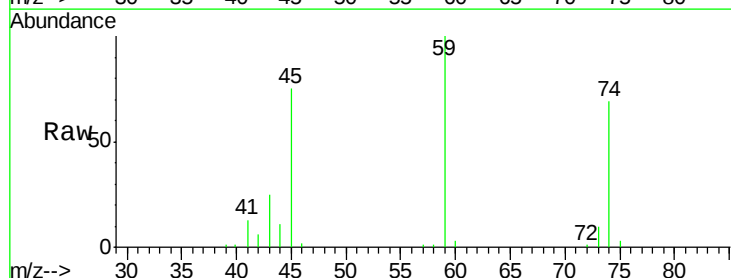
MMDadoda
5/6/2020 11:38:04 AM

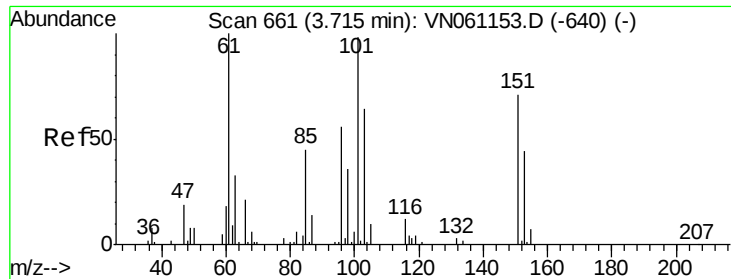


#8

Diethyl Ether
Concen: 52.293 ug/l
RT: 3.37 min Scan# 554
Delta R.T. 0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	108.5	53.3	160.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.721 ug/l

RT: 3.72 min Scan# 661

Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

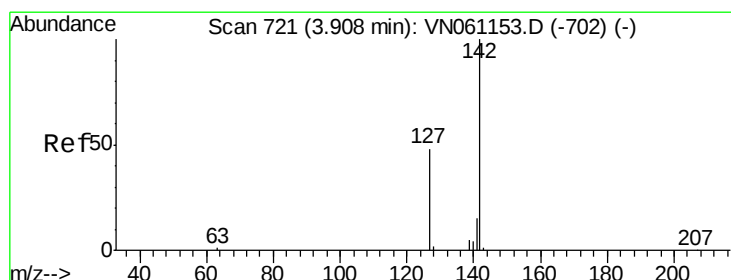
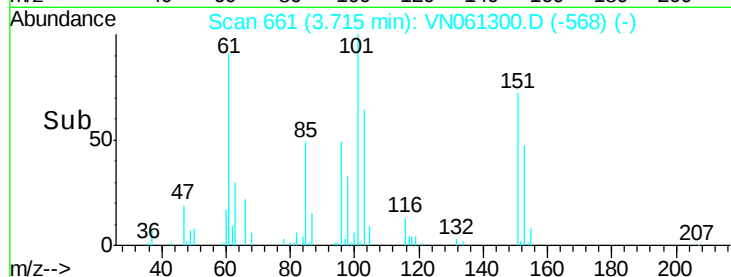
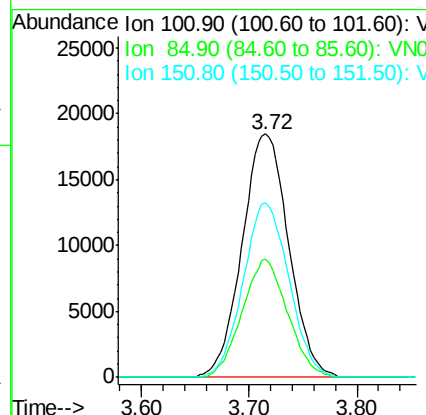
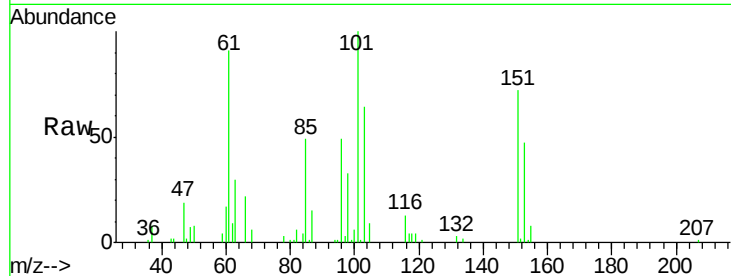
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	55446
Ion Ratio	Lower	Upper	
101	100		
85	47.2	37.2	55.8
151	70.5	57.7	86.5

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#10

Methyl Iodide

Concen: 39.726 ug/l

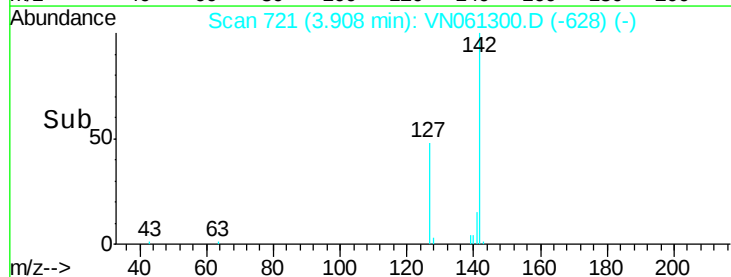
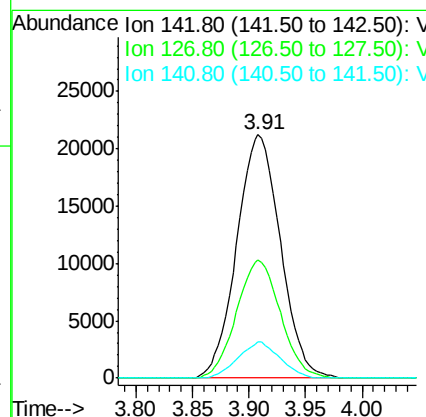
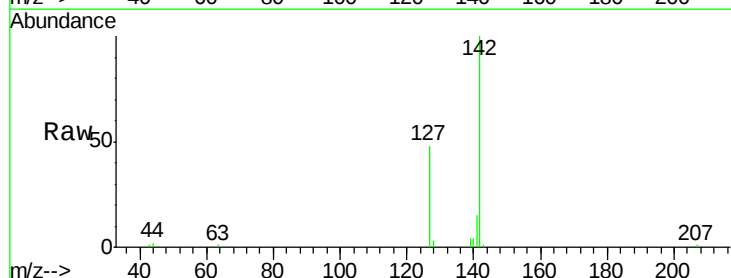
RT: 3.91 min Scan# 721

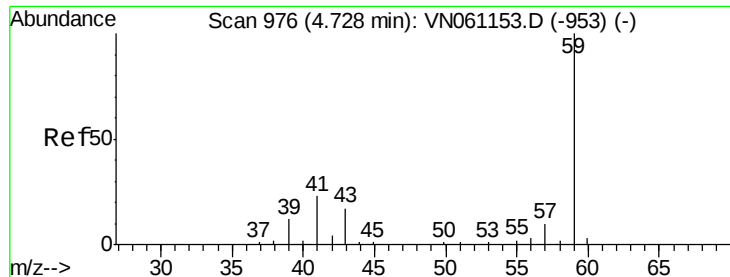
Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Tgt Ion:	142	Resp:	56932
Ion Ratio	Lower	Upper	
142	100		
127	48.7	38.0	57.0
141	14.2	11.7	17.5





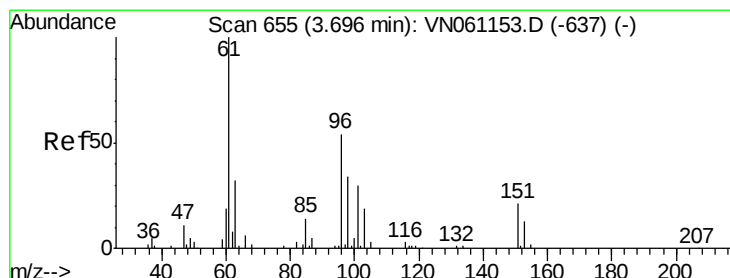
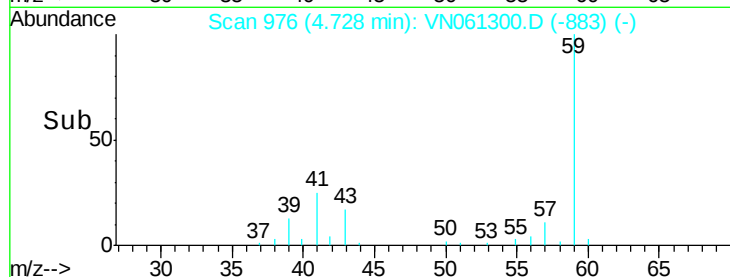
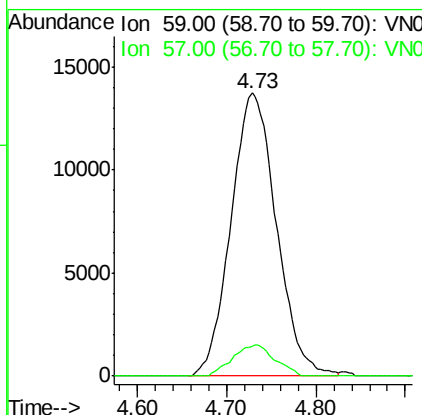
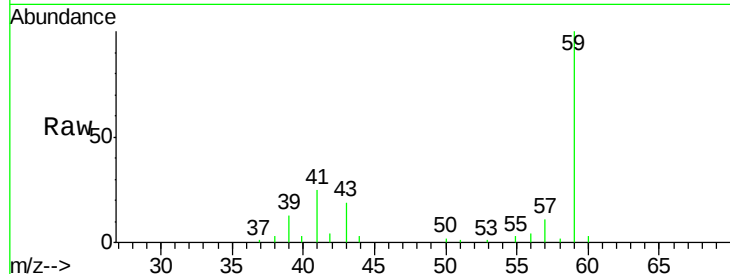
#11
Tert butyl alcohol
Concen: 217.534 ug/l
RT: 4.73 min Scan# 976
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 48497
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5

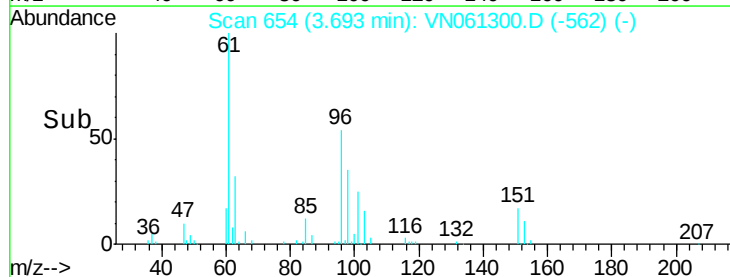
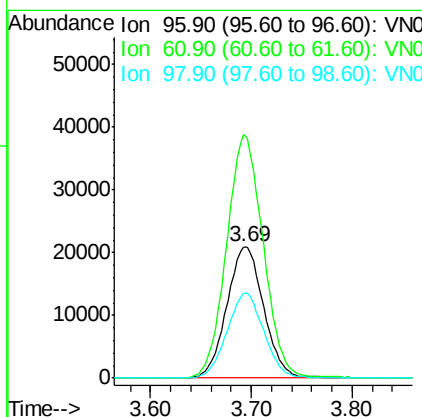
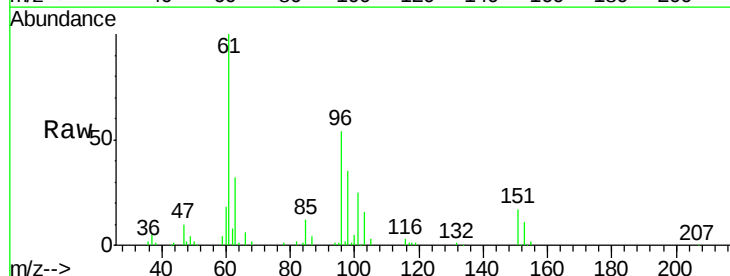
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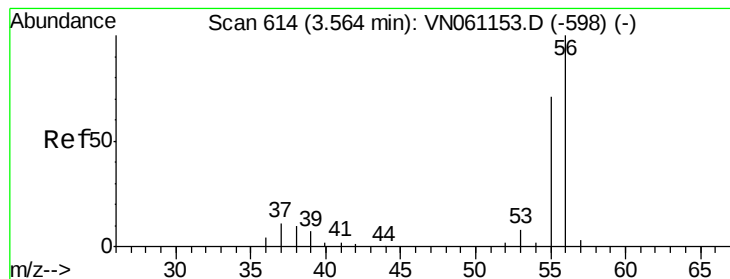
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.986 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion: 96 Resp: 53251
Ion Ratio Lower Upper
96 100
61 185.8 147.0 220.6
98 64.5 49.8 74.6





#13

Acrolein

Concen: 222.625 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 33075

Ion Ratio Lower Upper

56 100

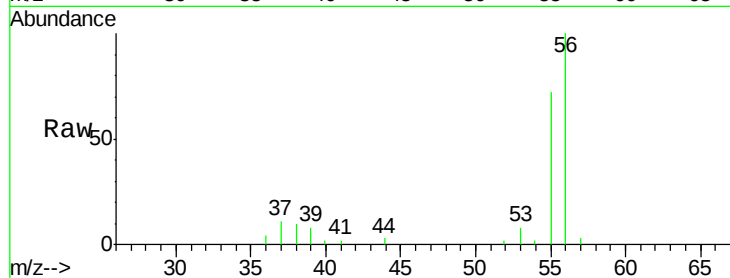
55 71.3 58.5 87.7

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Abundance Ion 56.00 (55.70 to 56.70): VN061153.D (-598) (-)

Ion 55.00 (54.70 to 55.70): VN061153.D (-598) (-)

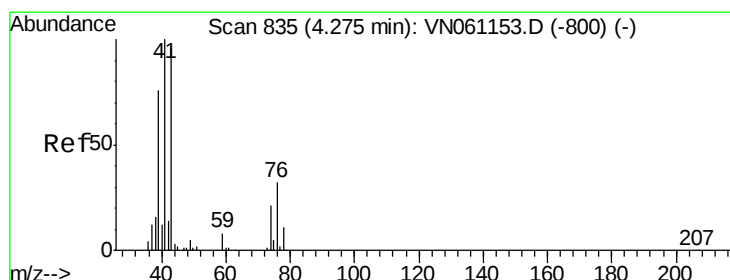
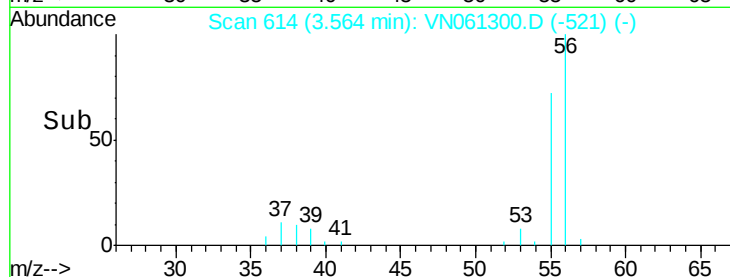
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 54.203 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

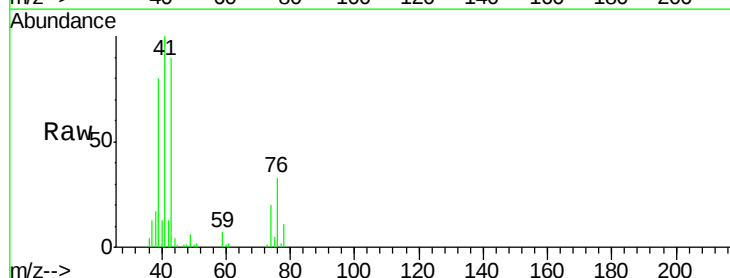
Tgt Ion: 41 Resp: 111530

Ion Ratio Lower Upper

41 100

39 74.3 57.1 85.7

76 30.1 24.3 36.5



Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-800) (-)

Ion 39.00 (38.70 to 39.70): VN061153.D (-800) (-)

Ion 75.90 (75.60 to 76.60): VN061153.D (-800) (-)

50000

40000

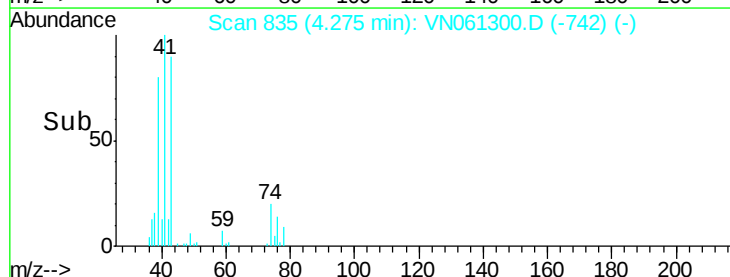
30000

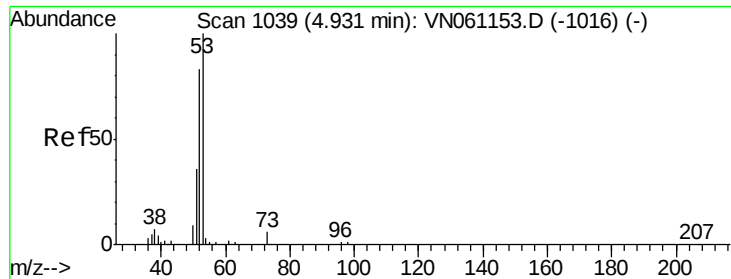
20000

10000

0

Time-->





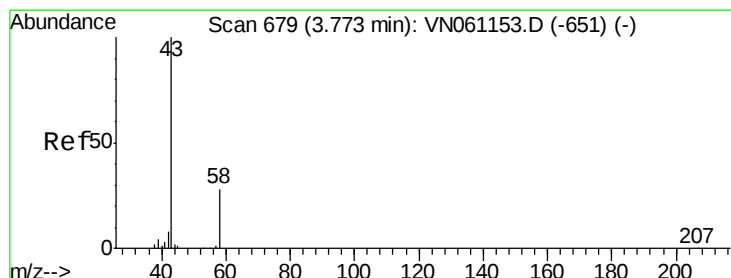
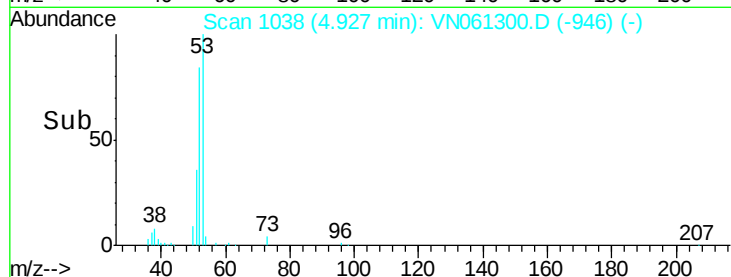
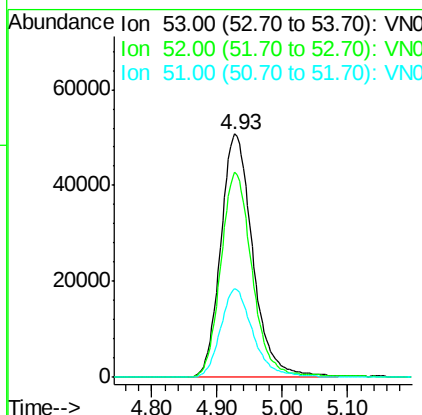
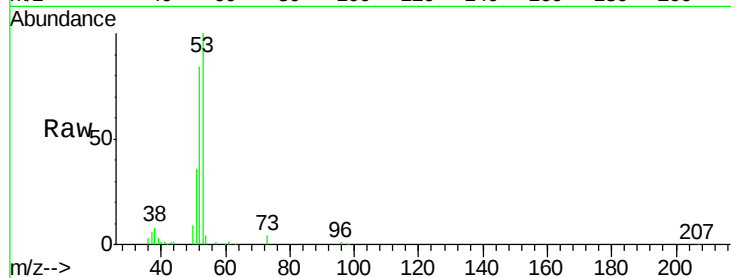
#15
 Acrylonitrile
 Concen: 253.234 ug/l
 RT: 4.93 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.4	98.0
51	36.9	29.5	44.3

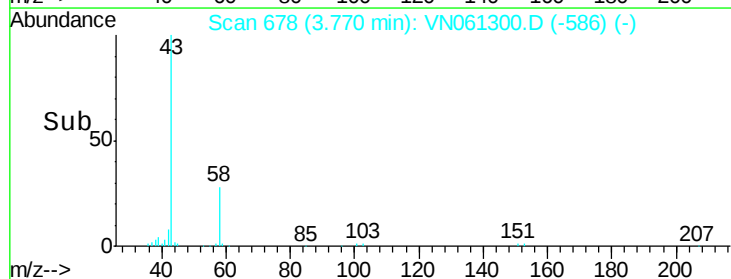
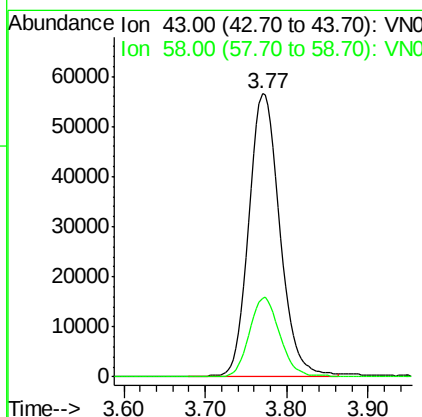
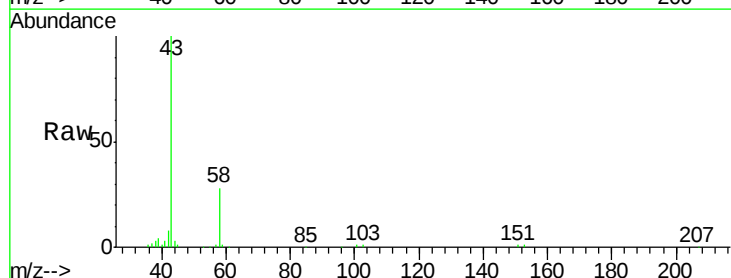
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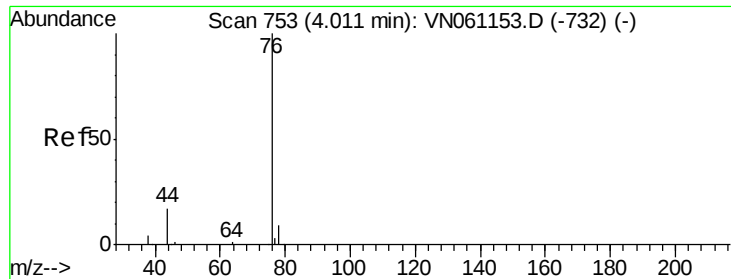
MMDadoda
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#16
 Acetone
 Concen: 230.538 ug/l
 RT: 3.77 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.2	33.2





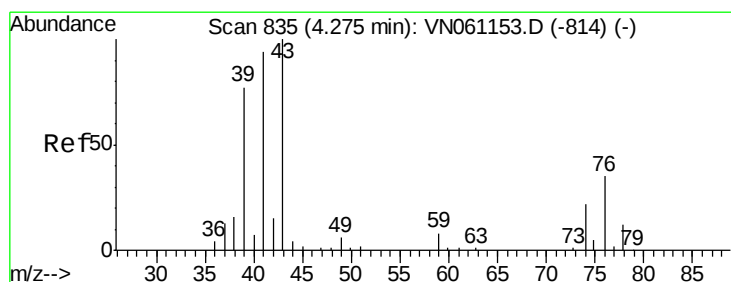
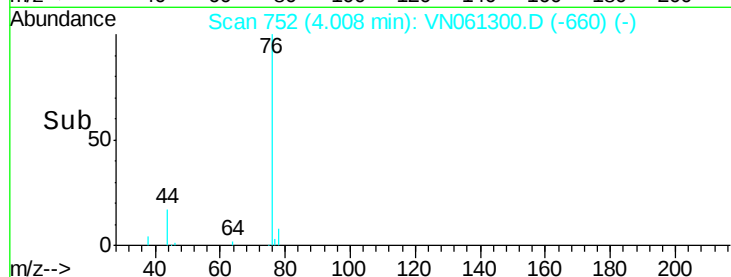
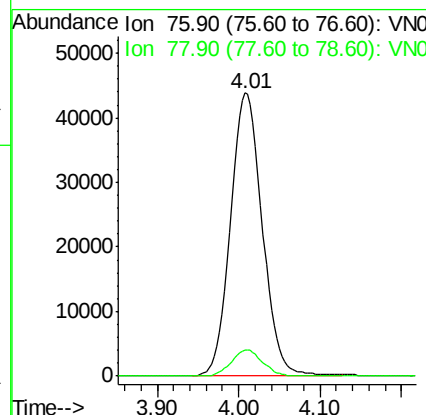
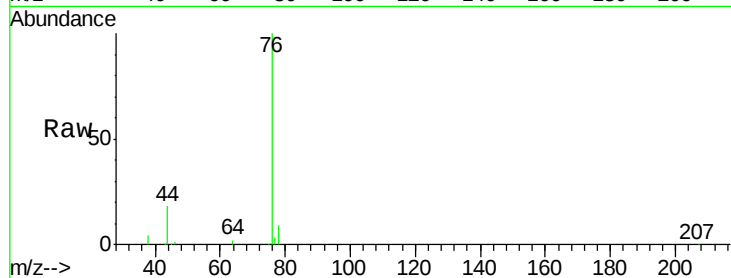
#17
Carbon Disulfide
Concen: 39.107 ug/l
RT: 4.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

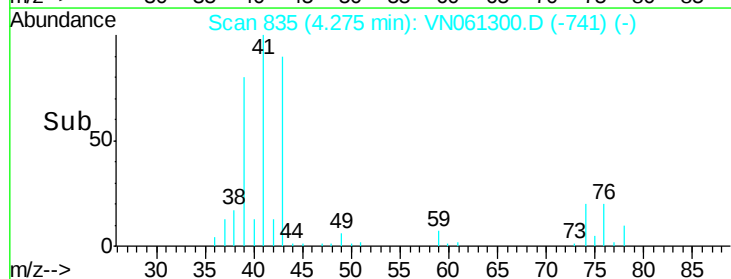
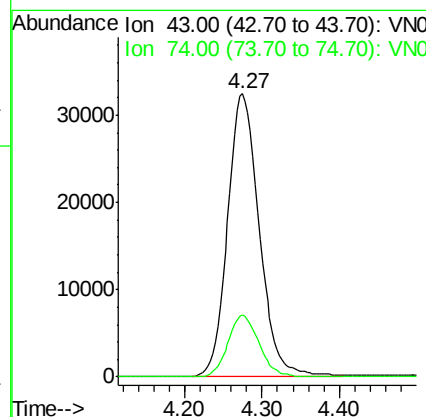
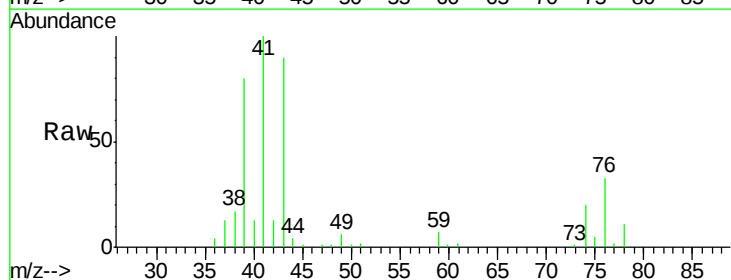
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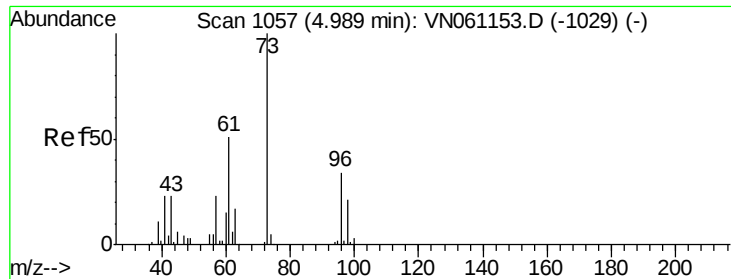
MMDadoda
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#18
Methyl Acetate
Concen: 44.114 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.0	25.4





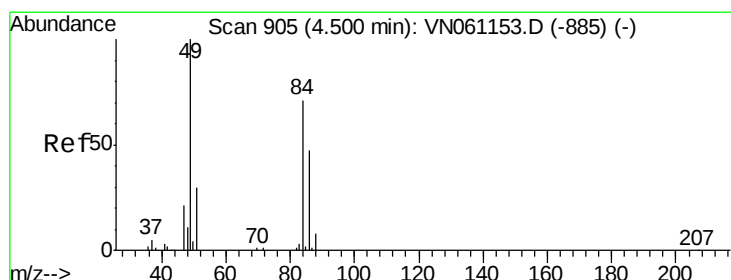
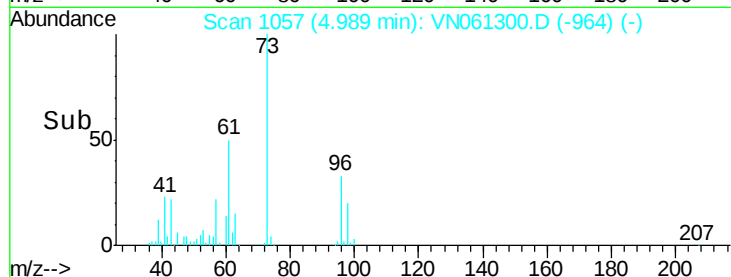
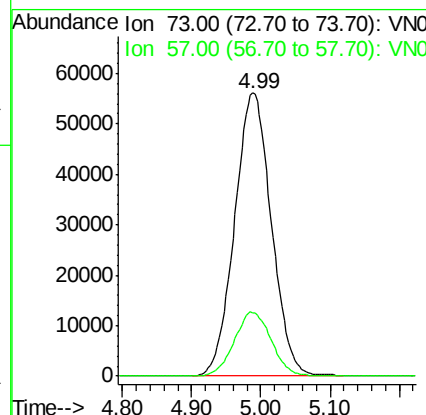
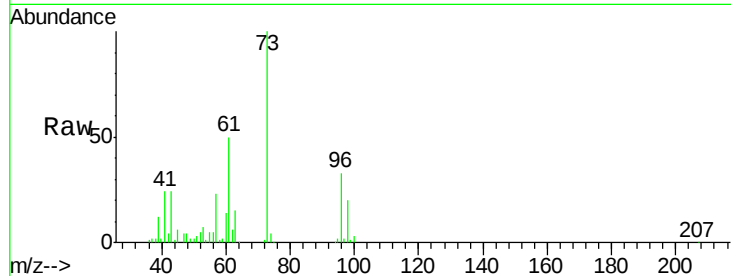
#19
Methyl tert-butyl Ether
Concen: 48.912 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 207405
Ion Ratio Lower Upper
73 100
57 22.6 18.3 27.5

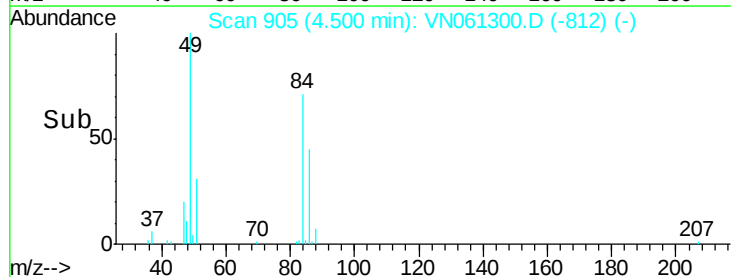
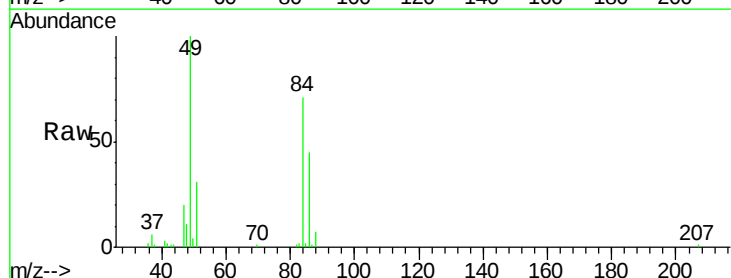
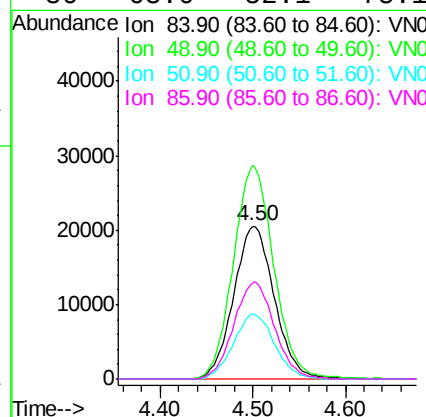
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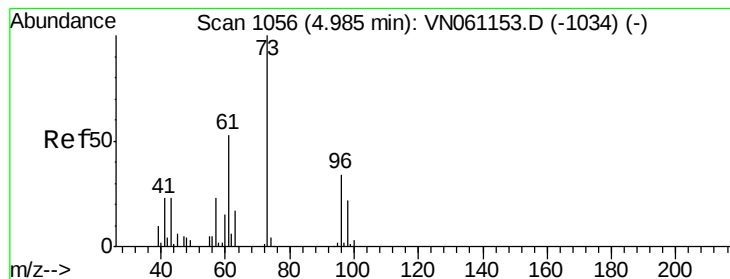
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#20
Methylene Chloride
Concen: 48.187 ug/l
RT: 4.50 min Scan# 905
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion: 84 Resp: 62533
Ion Ratio Lower Upper
84 100
49 139.9 112.0 168.0
51 42.9 33.6 50.4
86 63.0 52.1 78.1





#21

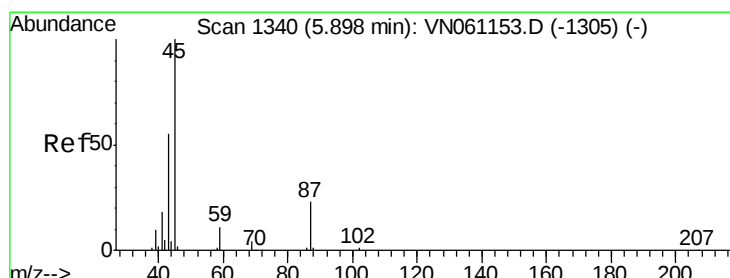
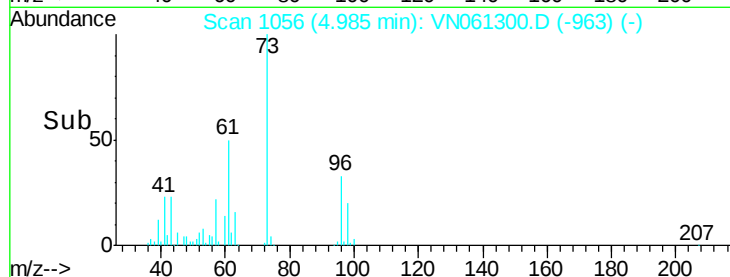
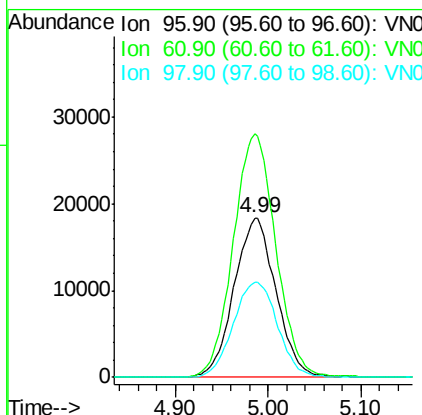
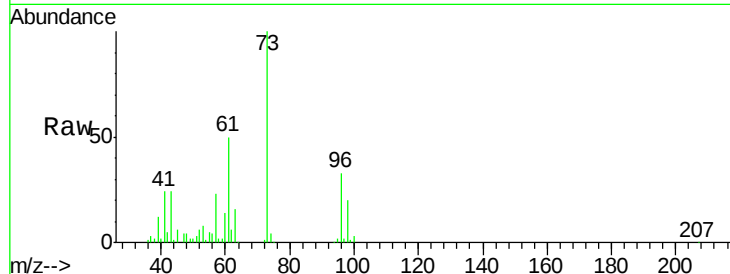
trans-1,2-Dichloroethene
Concen: 47.621 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.8	123.0	184.4
98	59.6	50.1	75.1

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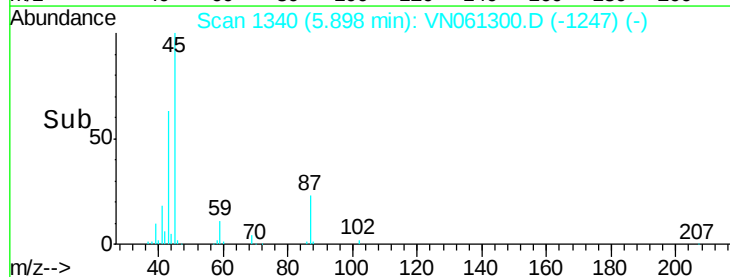
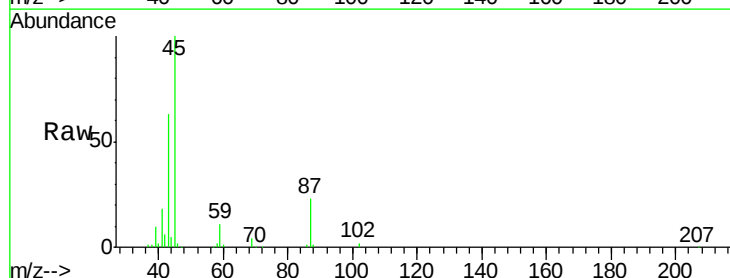
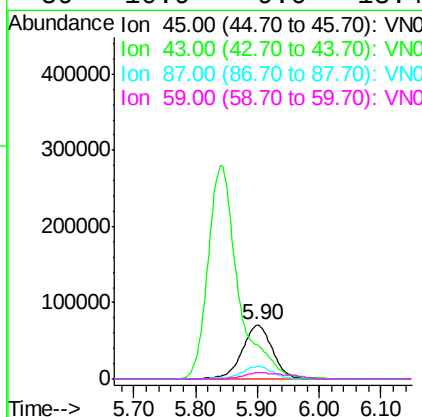
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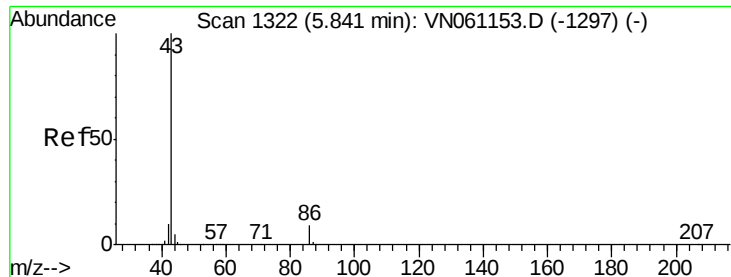


#22

Diisopropyl ether
Concen: 50.289 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	47.9	71.9
87	22.9	19.2	28.8
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 248.317 ug/l

RT: 5.84 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 954008

Ion Ratio Lower Upper

43 100

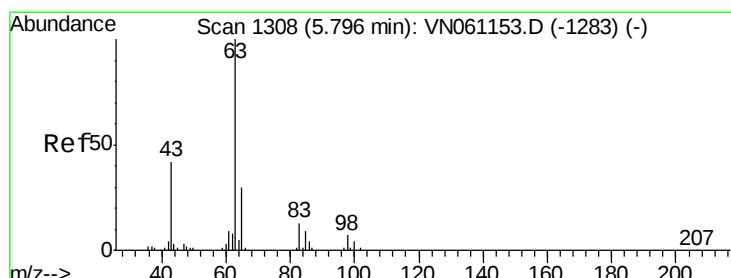
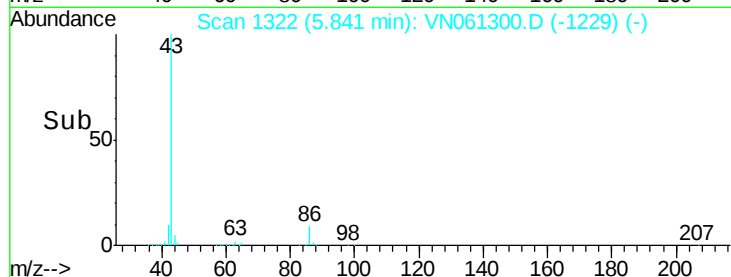
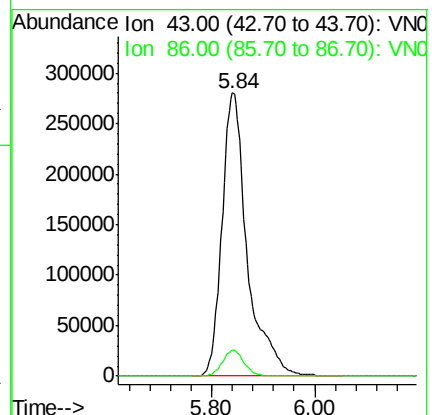
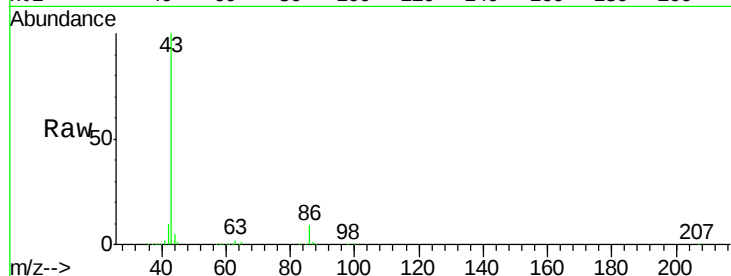
86 9.0 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.034 ug/l

RT: 5.80 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

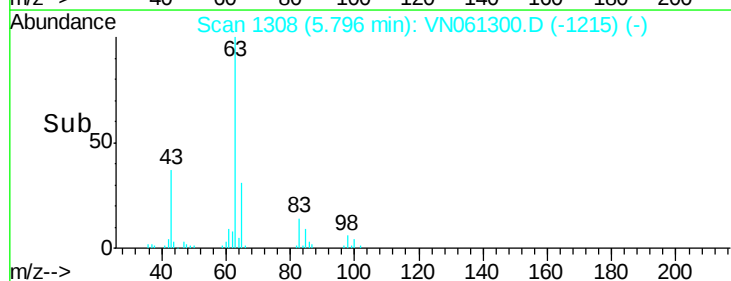
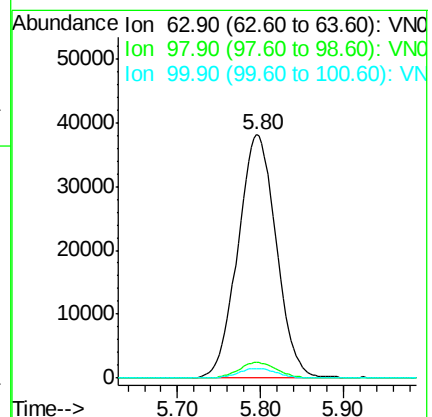
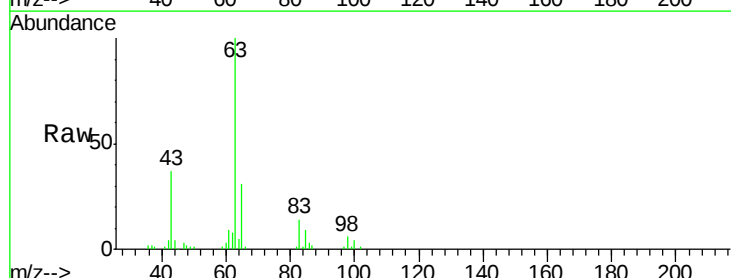
Tgt Ion: 63 Resp: 122241

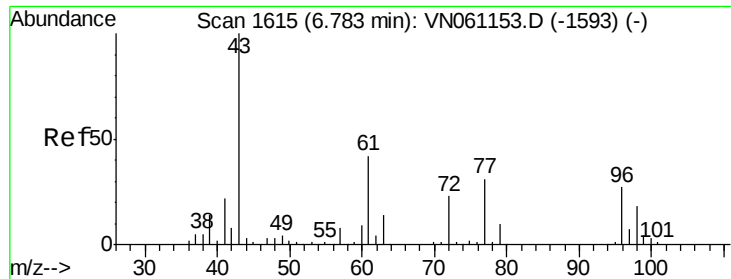
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

100 4.0 1.9 5.7





#25

2-Butanone

Concen: 242.358 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 238673

Ion Ratio Lower Upper

43 100

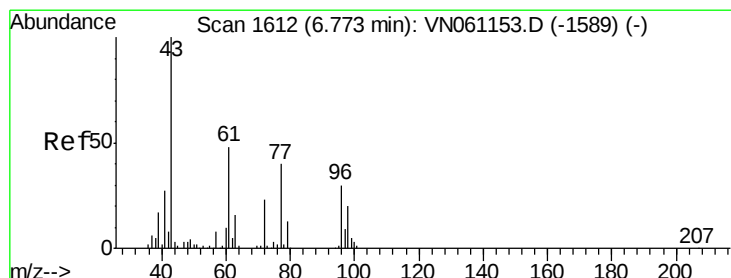
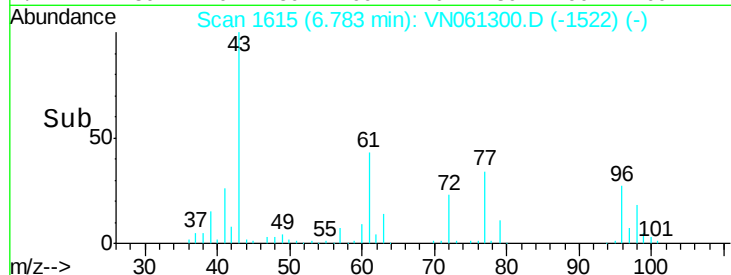
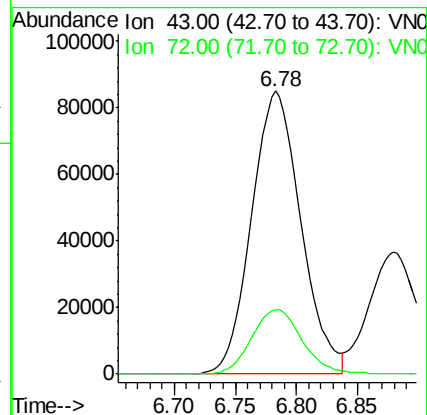
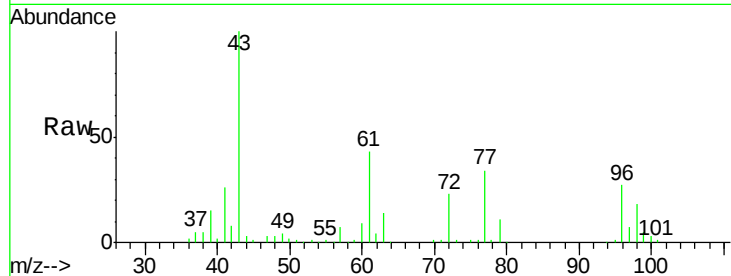
72 22.9 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.282 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VN061300.D

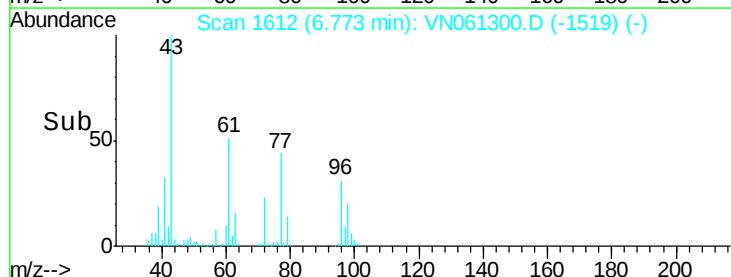
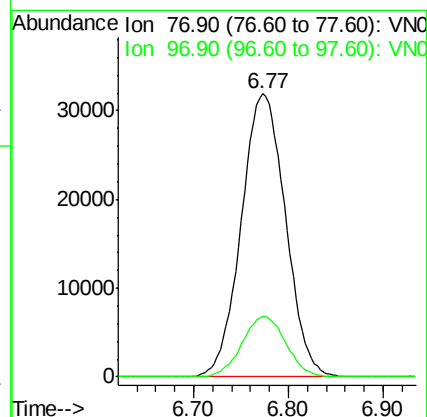
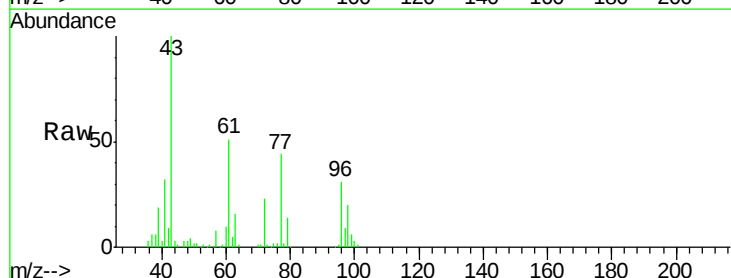
Acq: 5 May 2020 18:24

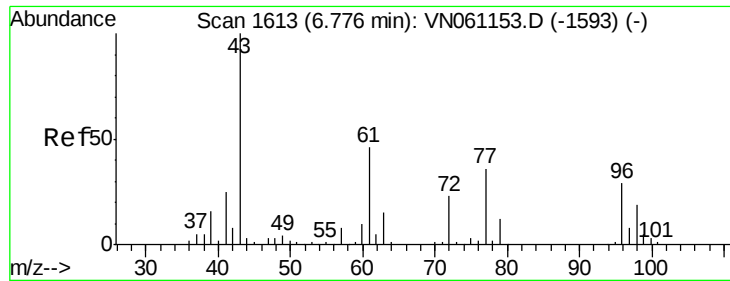
Tgt Ion: 77 Resp: 103484

Ion Ratio Lower Upper

77 100

97 21.0 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 48.083 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

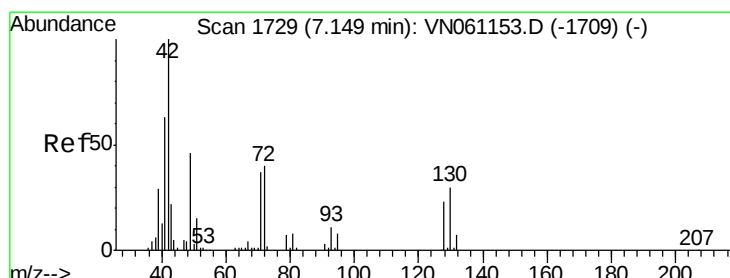
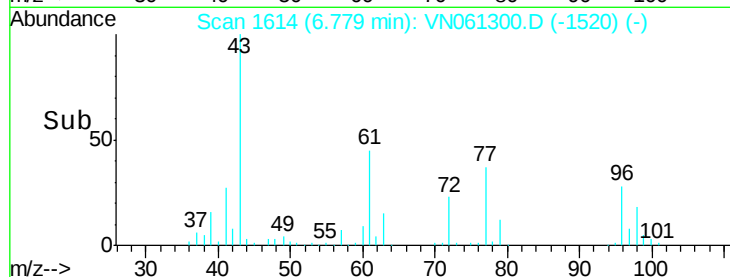
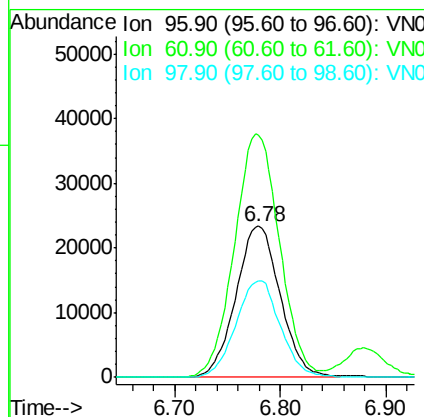
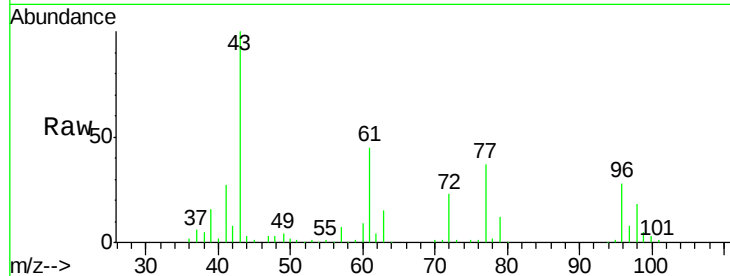
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	68185
Ion	Ratio	Lower	Upper
96	100		
61	163.9	0.0	322.0
98	64.1	0.0	129.6

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#28

Bromochloromethane

Concen: 51.021 ug/l

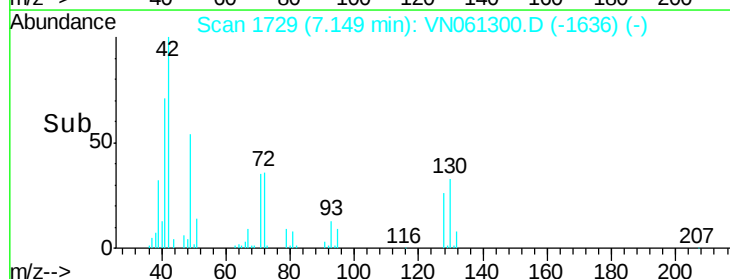
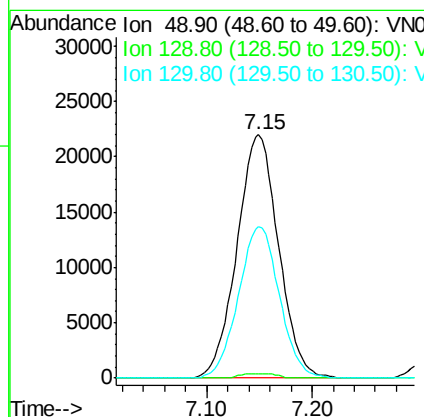
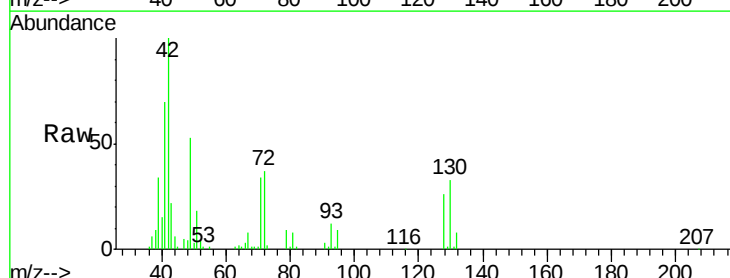
RT: 7.15 min Scan# 1729

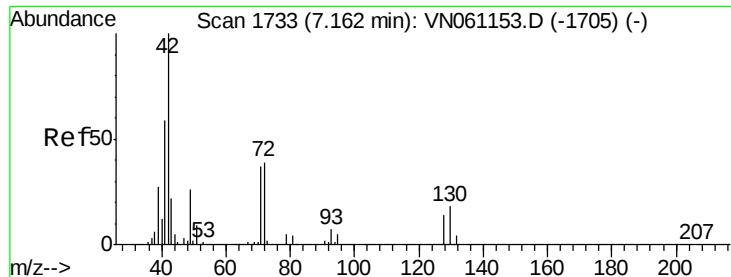
Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Tgt Ion:	49	Resp:	60288
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	61.1	51.4	77.2





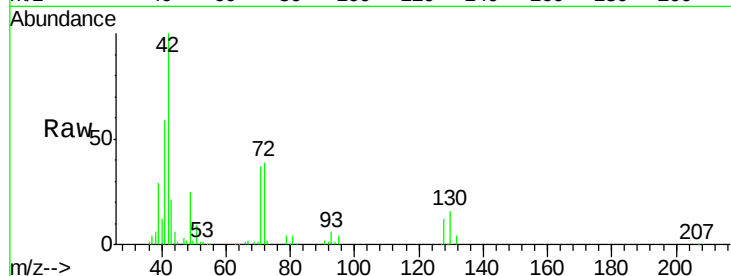
#29
Tetrahydrofuran
Concen: 244.051 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

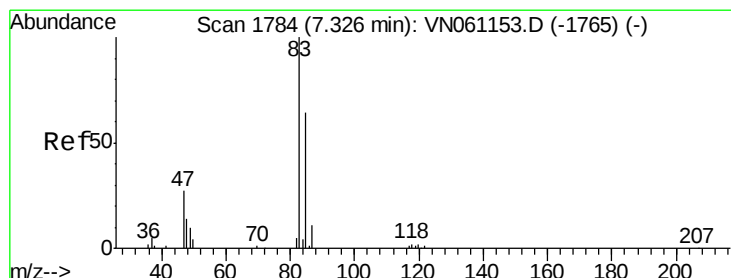
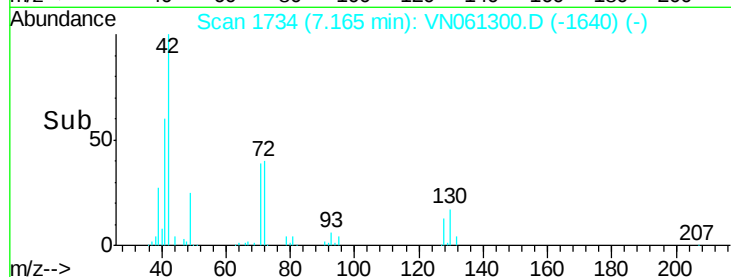
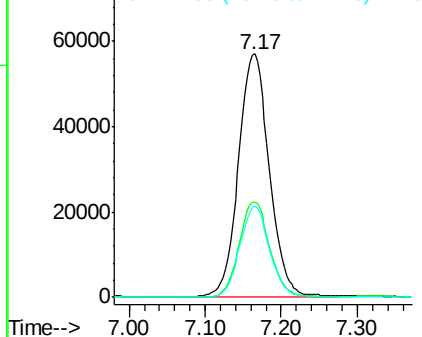
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.4	47.0
71	36.0	29.5	44.3

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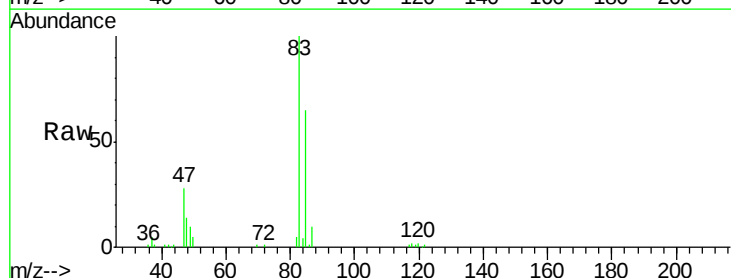


Abundance Ion 42.00 (41.70 to 42.70): VN061153.D (-1705) (-)

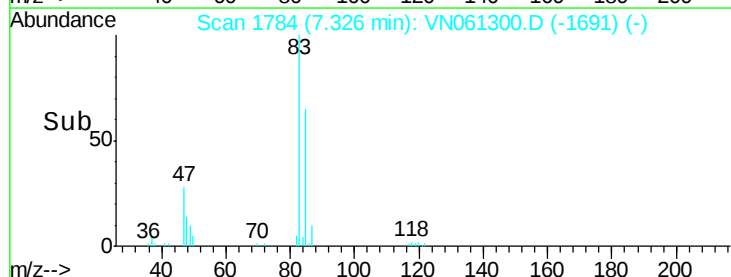
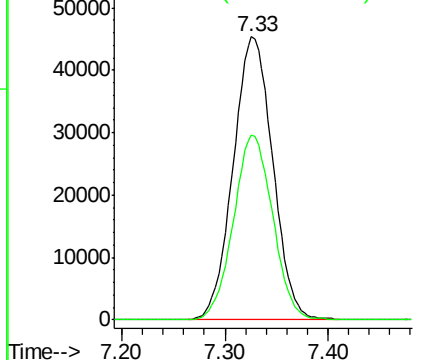


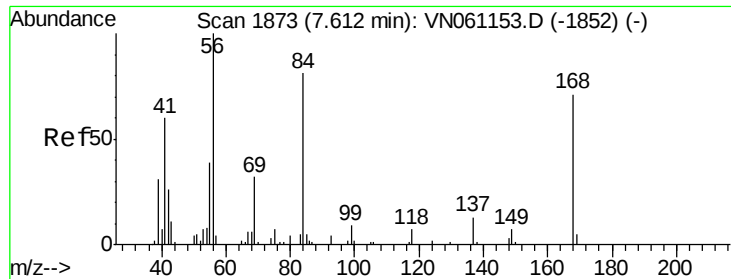
#30
Chloroform
Concen: 47.946 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.1	76.7



Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-1765) (-)





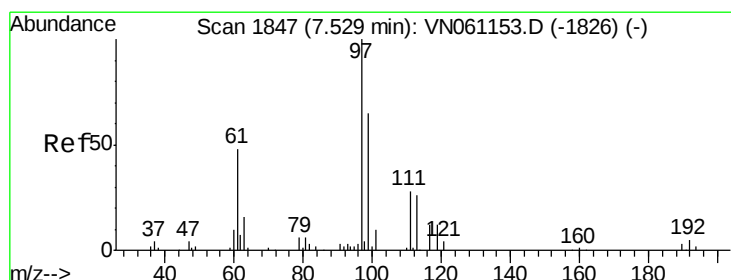
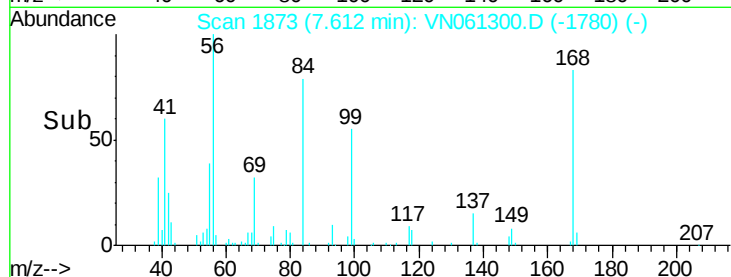
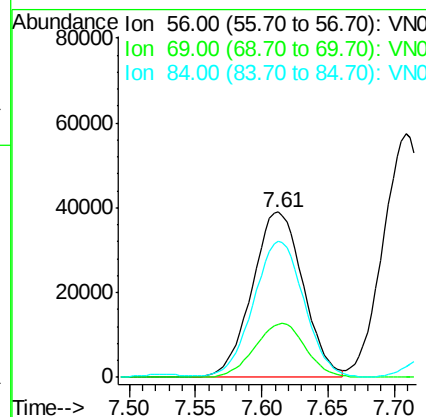
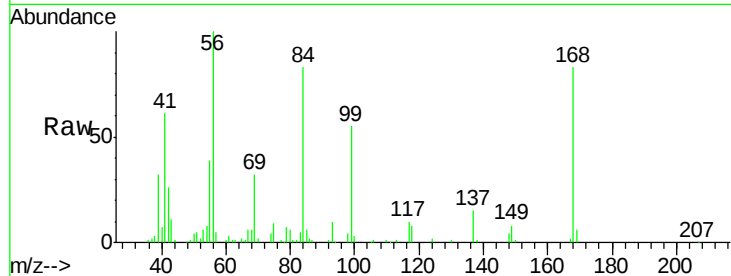
#31
Cyclohexane
Concen: 43.382 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.7	38.5
84	81.9	64.6	97.0

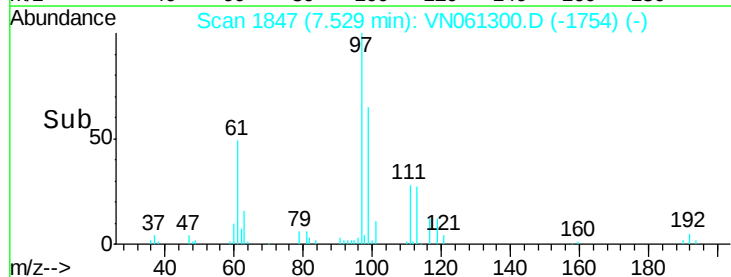
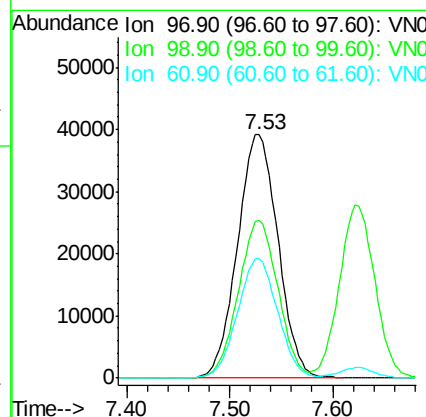
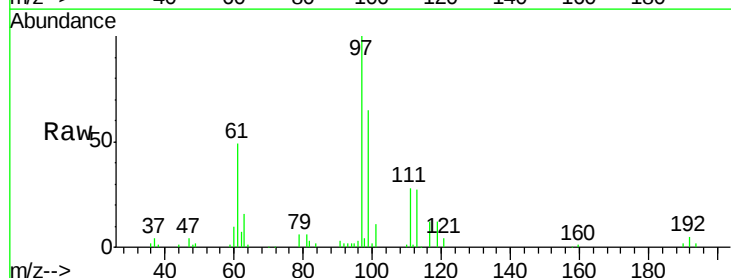
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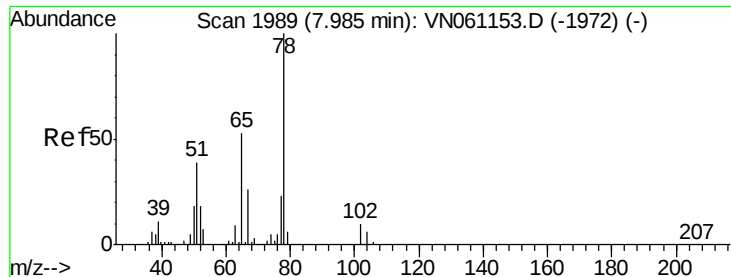
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#32
1,1,1-Trichloroethane
Concen: 48.646 ug/l
RT: 7.53 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	48.6	38.6	57.8





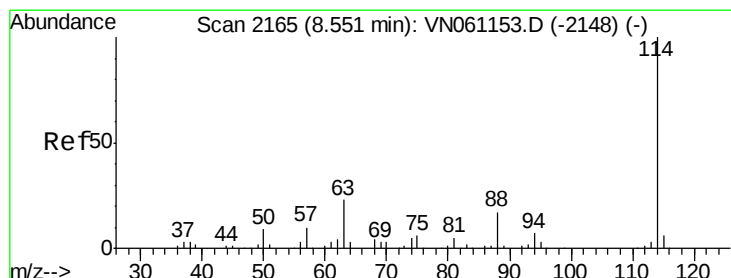
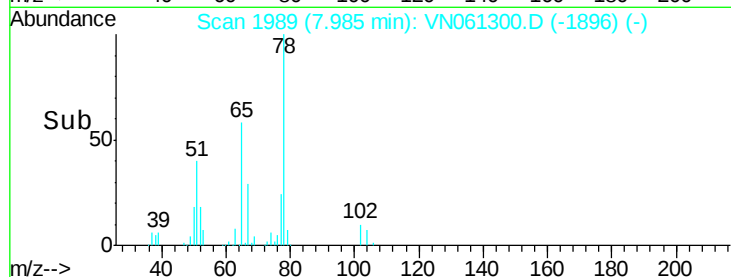
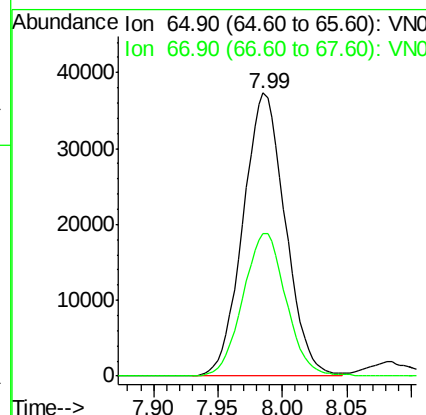
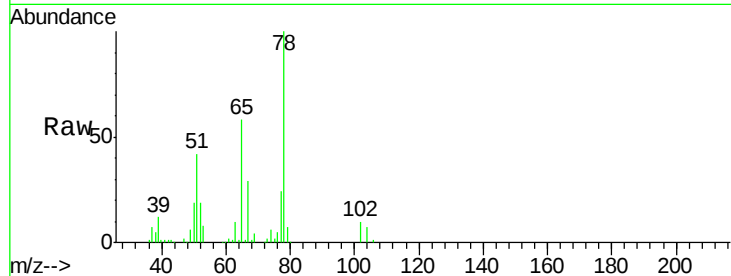
#33
 1,2-Dichloroethane-d4
 Concen: 51.294 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	101.6

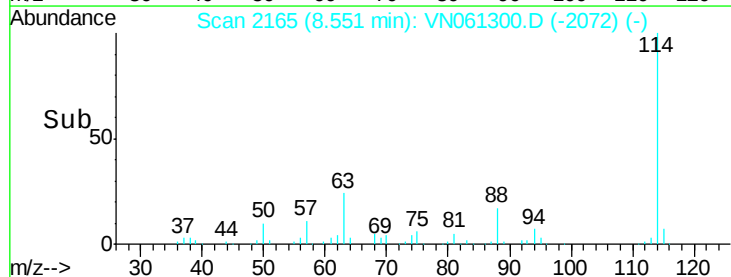
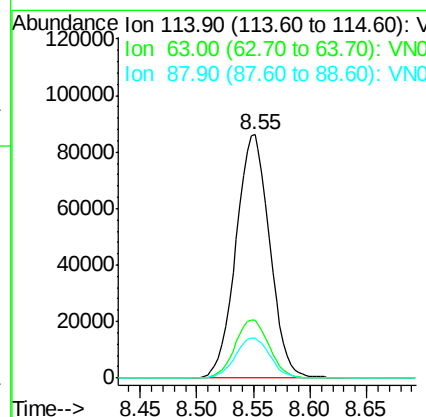
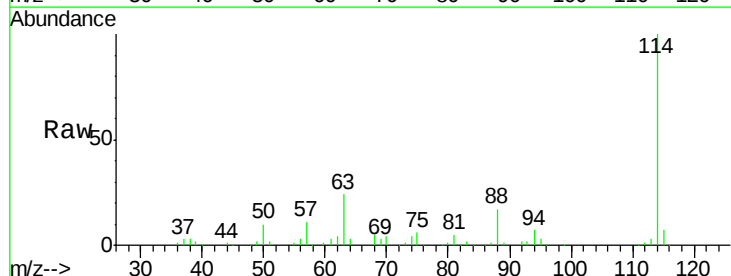
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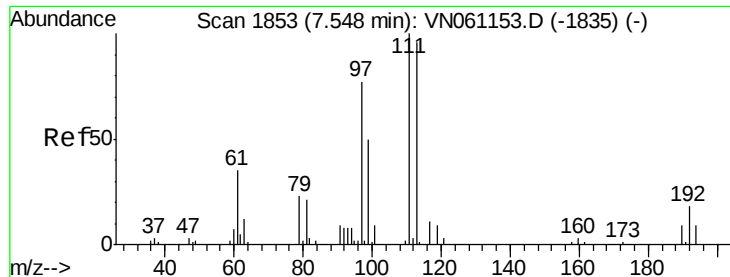
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	46.6
88	16.5	0.0	33.4





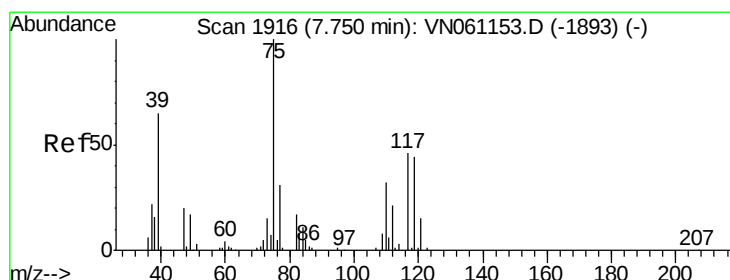
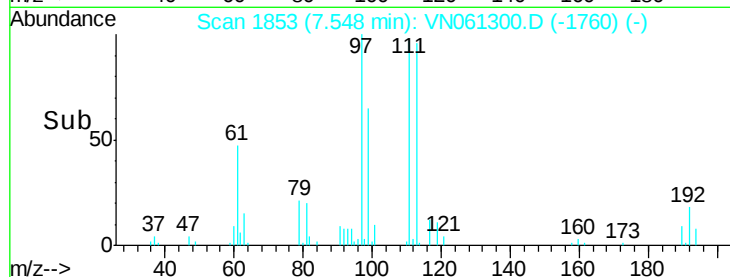
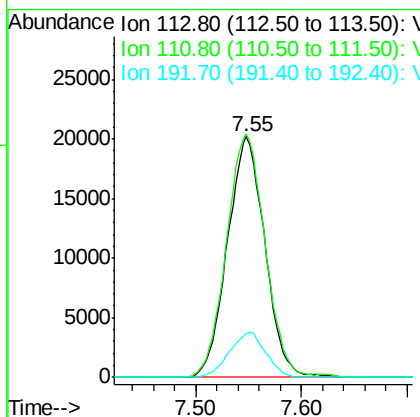
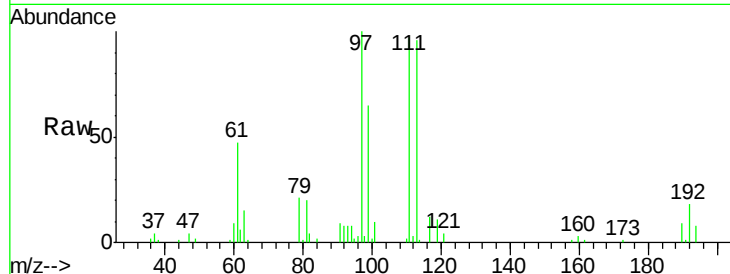
#35
 Dibromofluoromethane
 Concen: 46.880 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	49665		
111	104.1		82.9	124.3
192	18.1		14.7	22.1

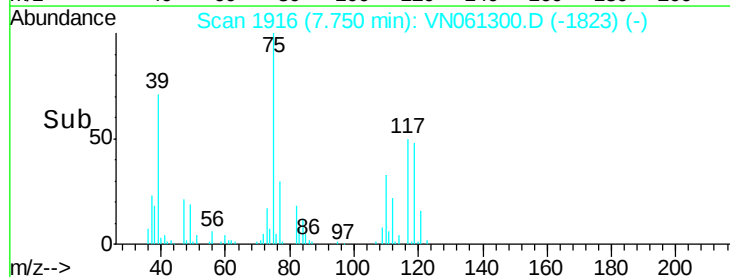
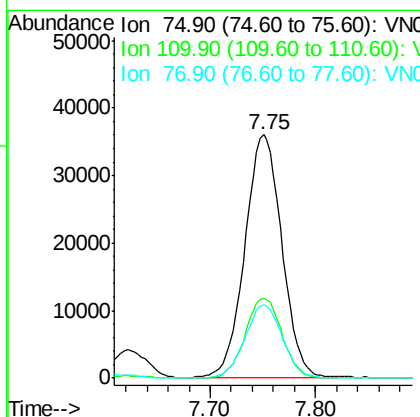
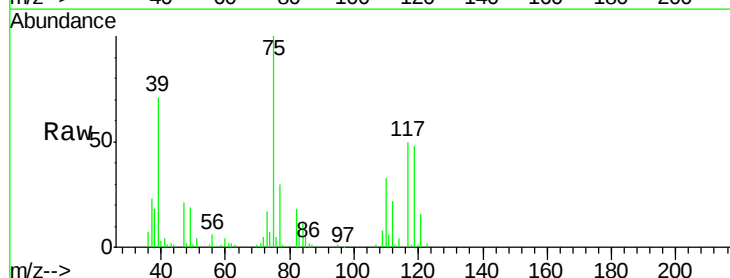
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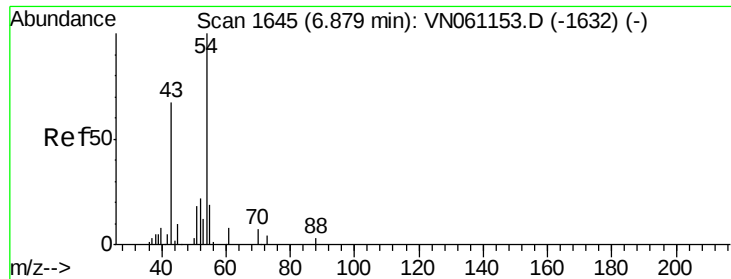
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#36
 1,1-Dichloropropene
 Concen: 49.262 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	88348		
110	32.4		16.0	48.0
77	30.5		24.6	37.0





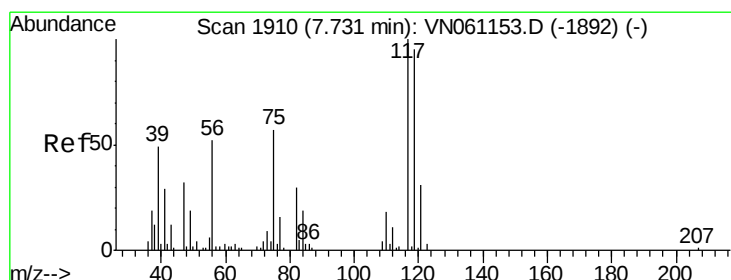
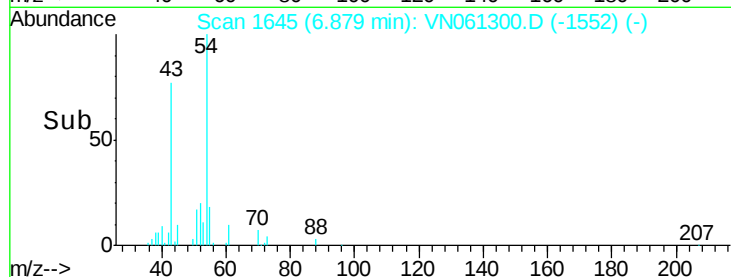
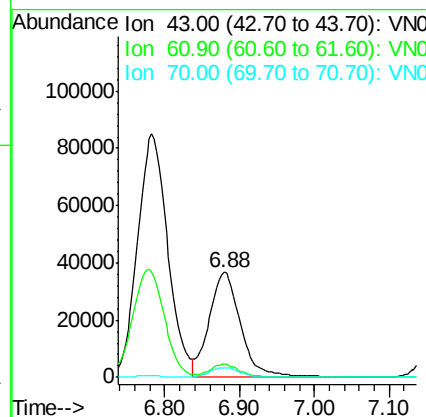
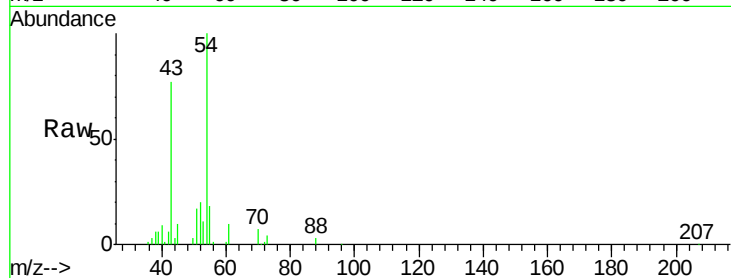
#37
Ethyl Acetate
Concen: 50.315 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	12.1	10.2	15.2	
70	8.8	7.2	10.8	

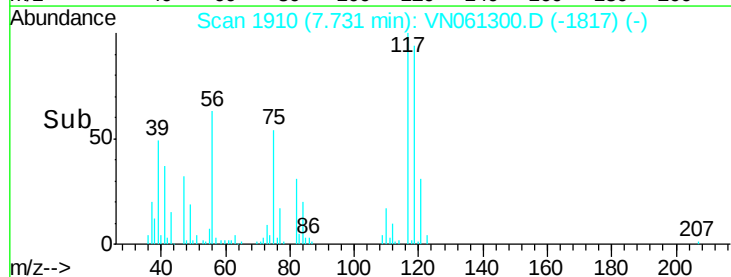
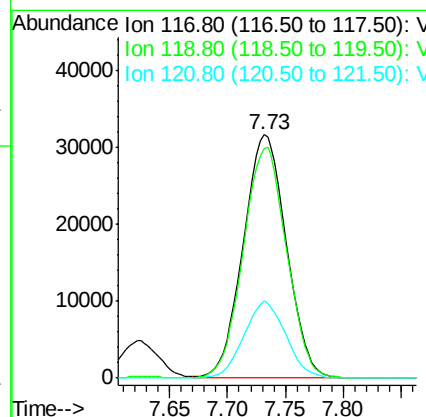
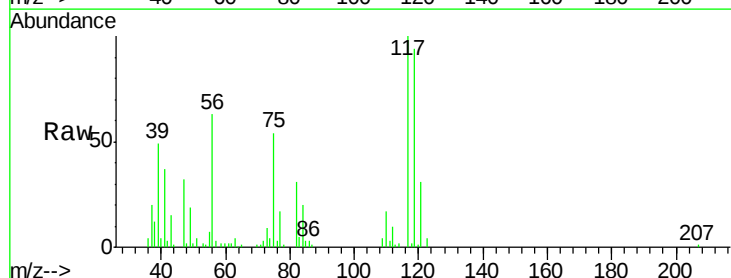
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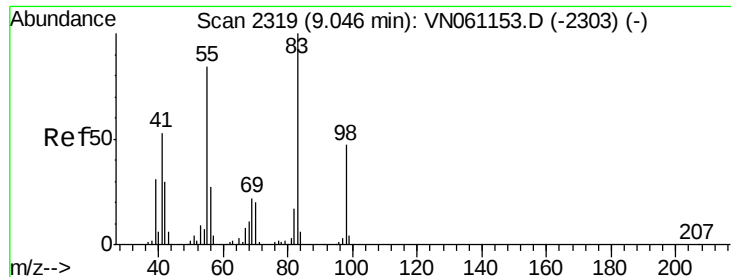
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#38
Carbon Tetrachloride
Concen: 50.273 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	94.1	75.8	113.6	
121	31.5	24.7	37.1	





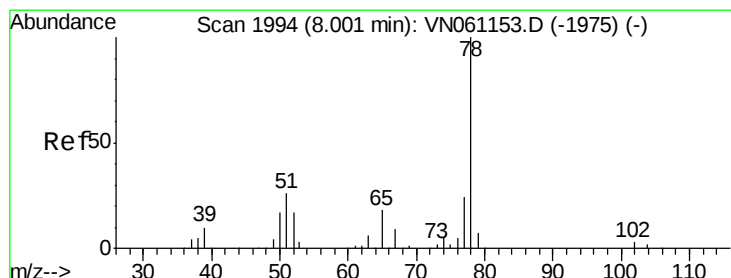
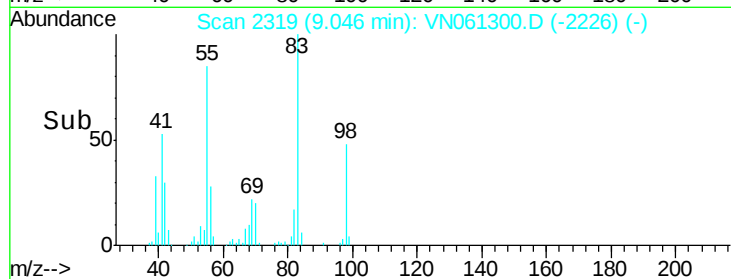
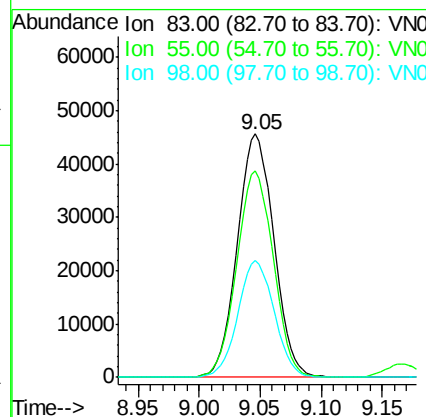
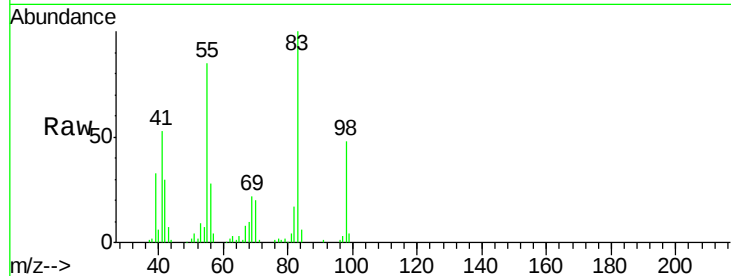
#39
Methvlcvclohexane
Concen: 47.176 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.0	67.3	100.9
98	47.9	37.7	56.5

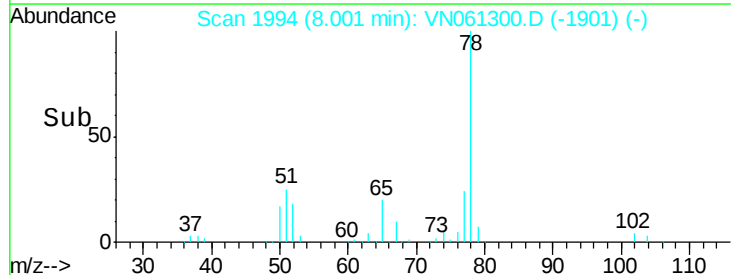
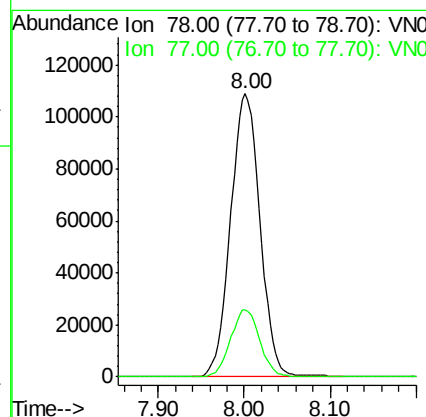
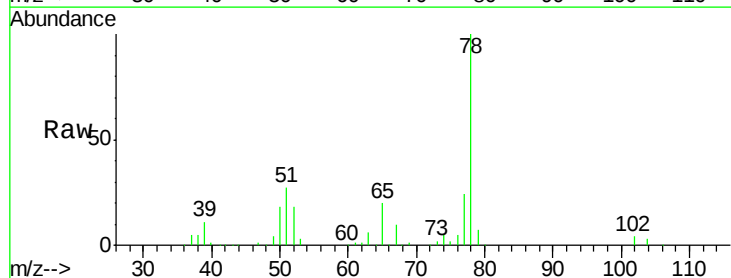
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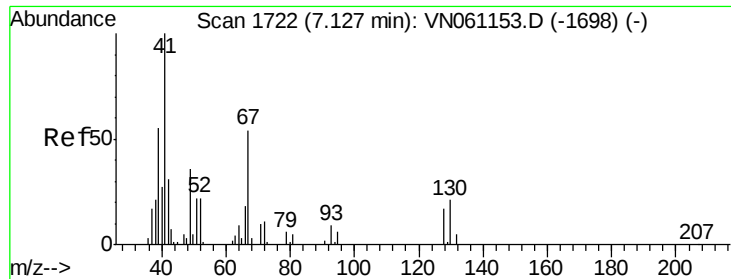
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5/6/2020 11:38:04 AM



#40
Benzene
Concen: 48.488 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





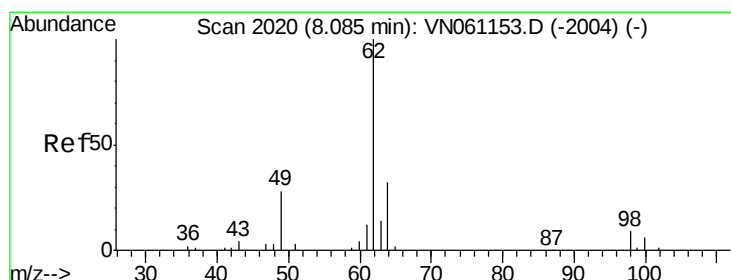
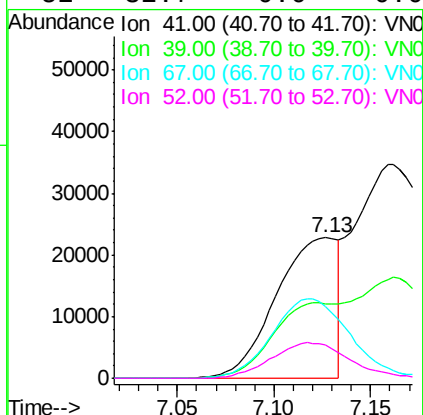
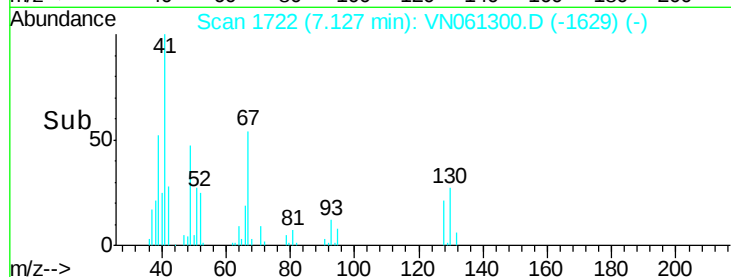
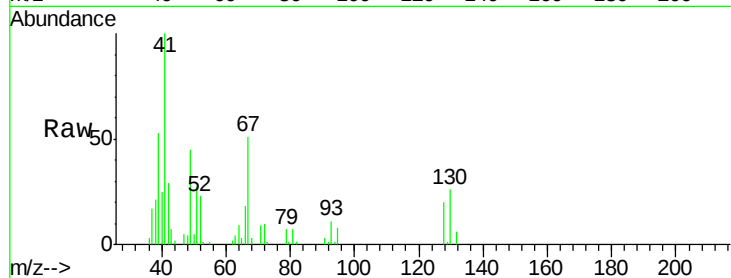
#41
Methacrylonitrile
Concen: 57.753 ug/l
RT: 7.13 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.1	0.0	0.0#
67	71.8	0.0	0.0#
52	32.7	0.0	0.0#

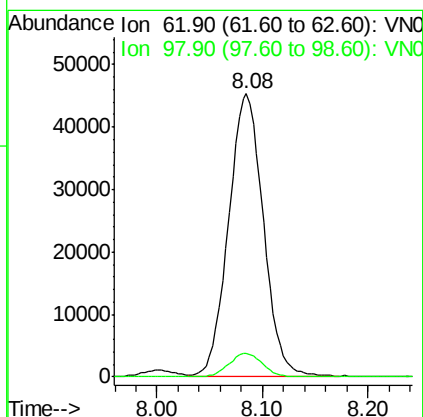
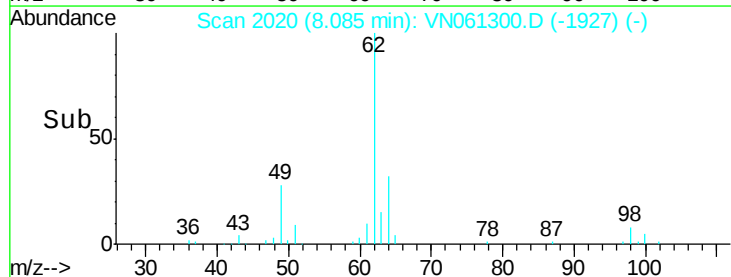
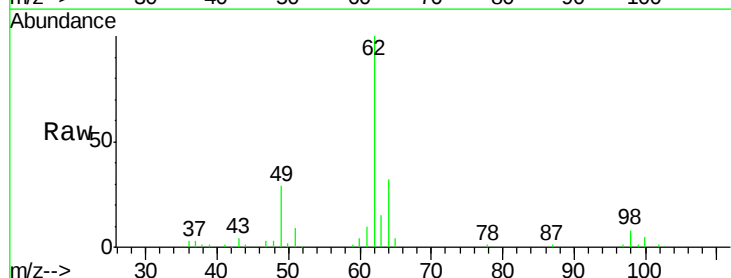
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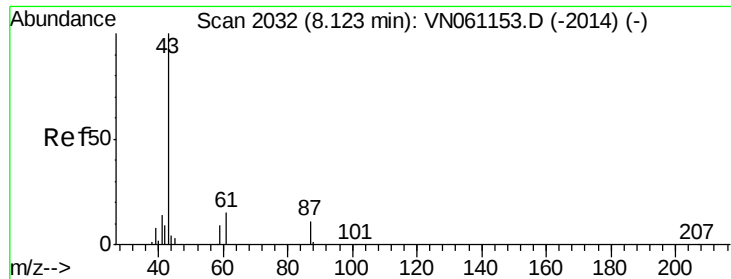
MMDadoda
5/6/2020 11:38:04 AM



#42
1,2-Dichloroethane
Concen: 50.998 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.8





#43

Isopropyl Acetate

Concen: 49.962 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

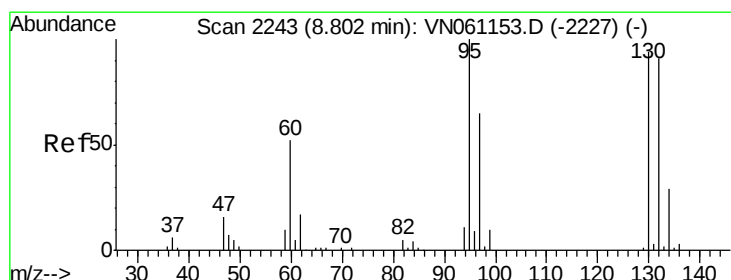
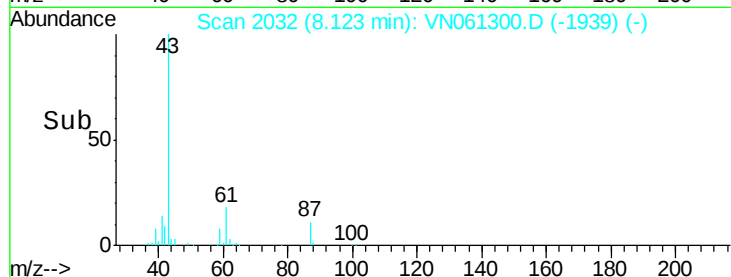
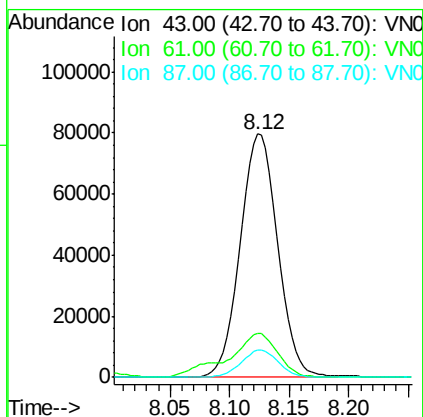
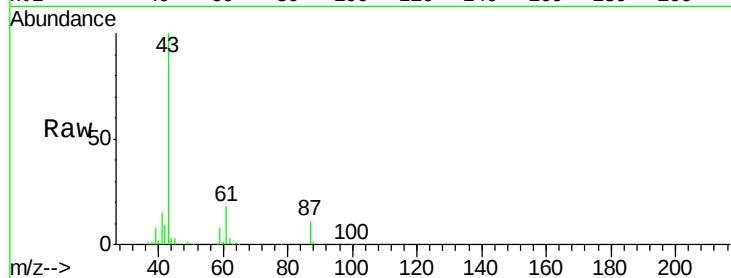
ClientSampleID :

VSTDCCC050EC

Tot Ion:	43	Resp:	174337
Ion	Ratio	Lower	Upper
43	100		
61	24.0	19.5	29.3
87	11.1	8.9	13.3

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#44

Trichloroethene

Concen: 44.832 ug/l

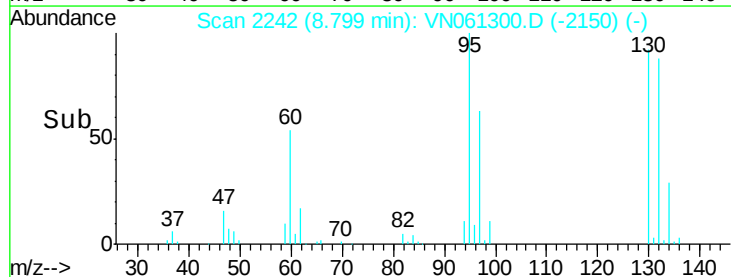
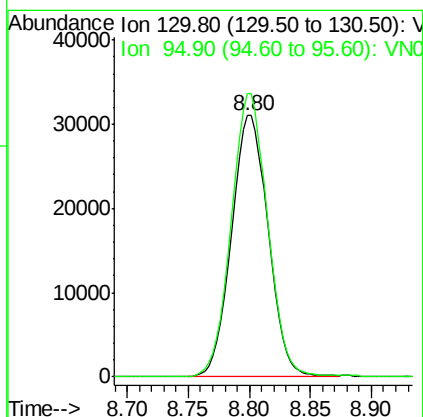
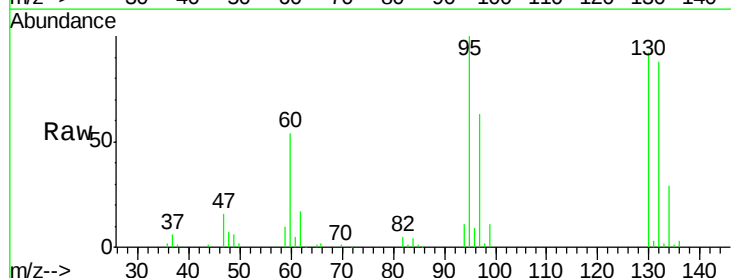
RT: 8.80 min Scan# 2242

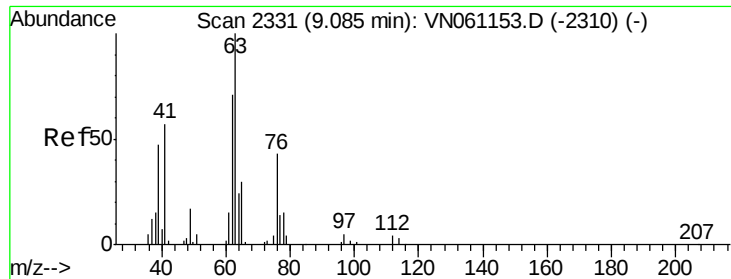
Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Tgt Ion:	130	Resp:	64755
Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	212.4





#45

1,2-Dichloropropane

Concen: 49.439 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 70573

Ion Ratio Lower Upper

63 100

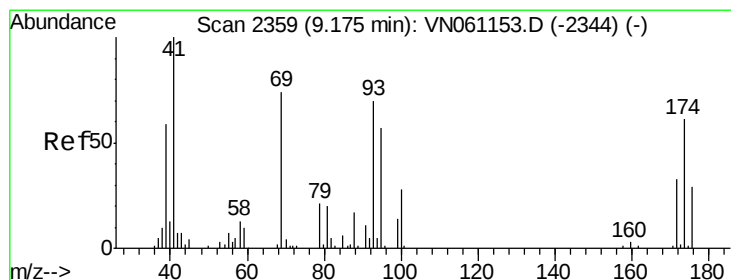
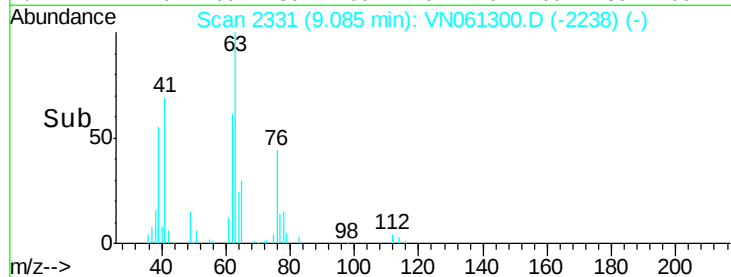
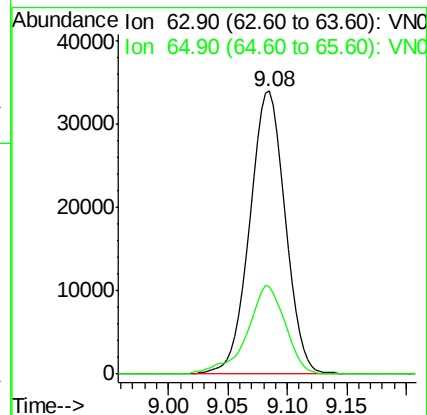
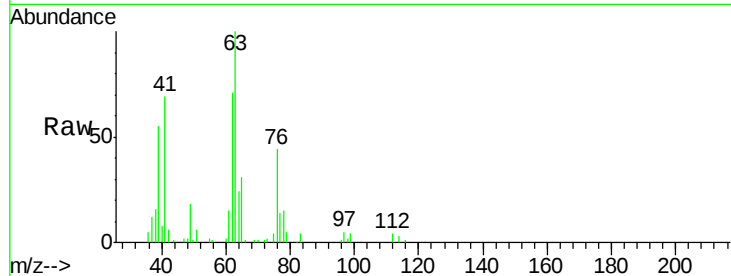
65 31.0 24.7 37.1

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#46

Dibromomethane

Concen: 50.868 ug/l

RT: 9.17 min Scan# 2358

Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

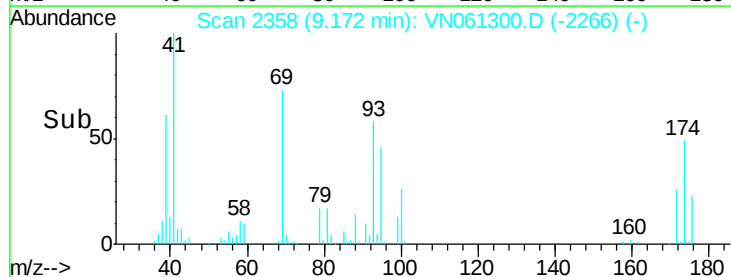
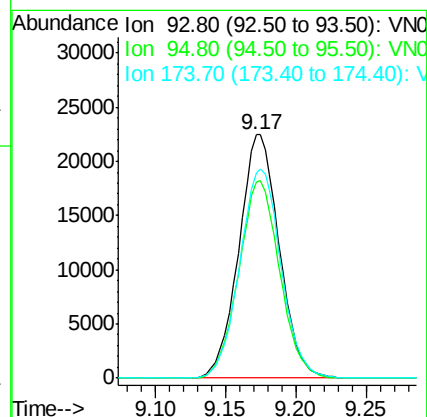
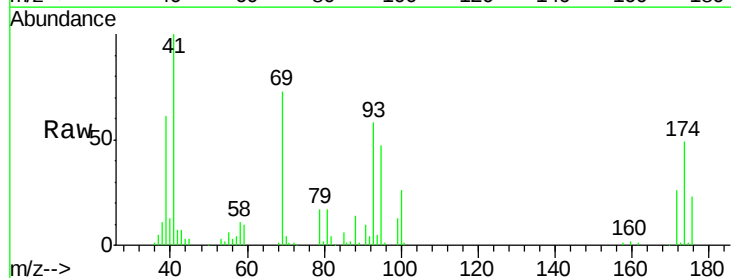
Tgt Ion: 93 Resp: 44959

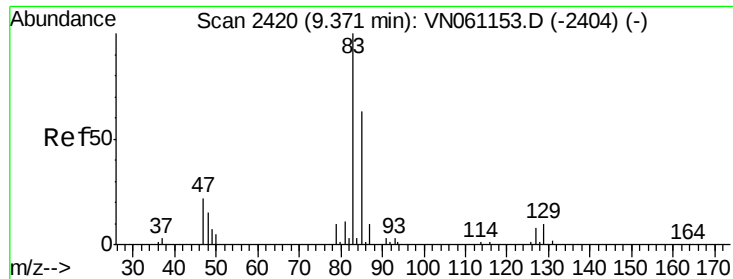
Ion Ratio Lower Upper

93 100

95 81.9 66.6 99.8

174 88.0 70.2 105.2





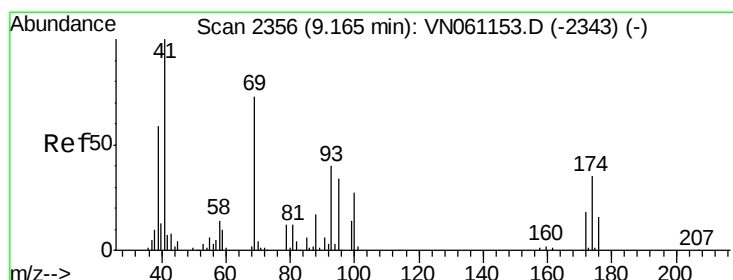
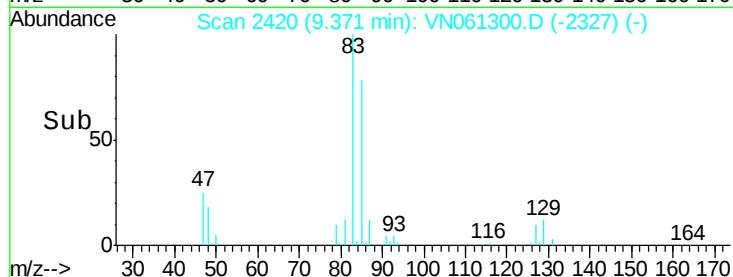
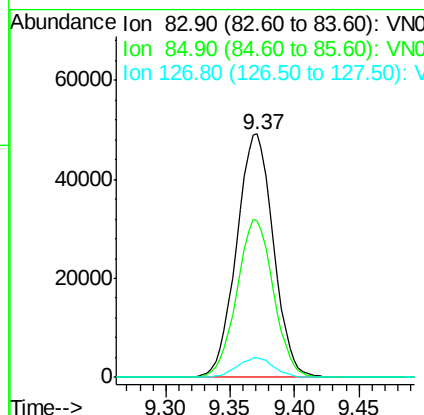
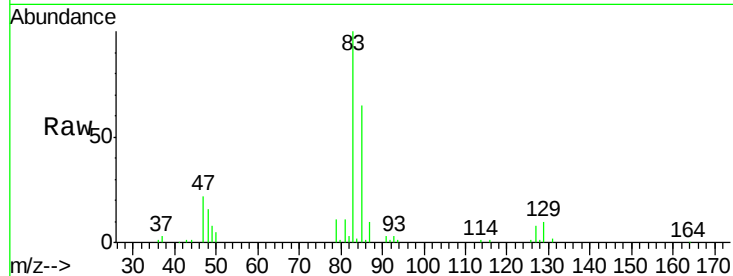
#47
Bromodichloromethane
Concen: 51.466 ug/l
RT: 9.37 min Scan# 2420
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	97635
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	50.4	75.6
127	8.0	6.2	9.2

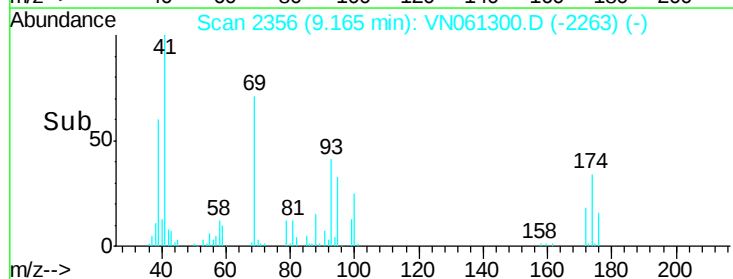
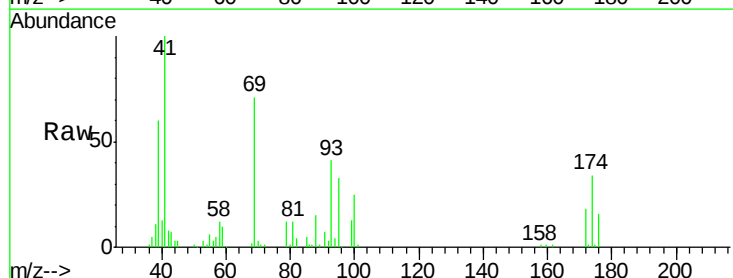
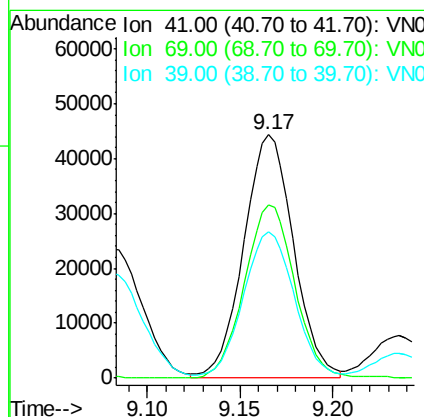
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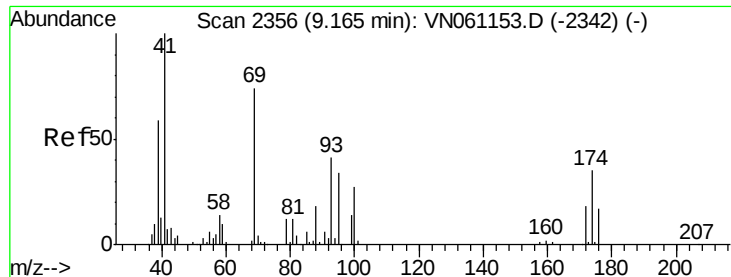
MMDadoda
5/6/2020 11:38:04 AM



#48
Methyl methacrylate
Concen: 52.427 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion	41	Resp	82550
Ion Ratio	100	Lower	Upper
41	100		
69	72.1	60.3	90.5
39	61.4	47.4	71.0





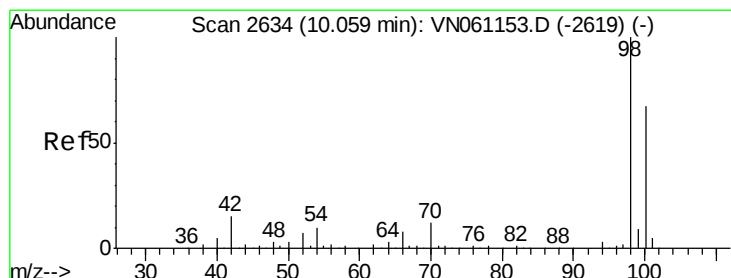
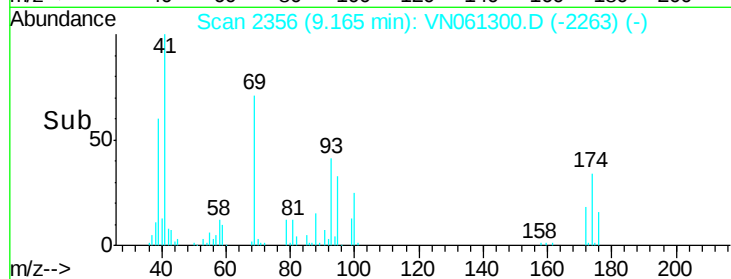
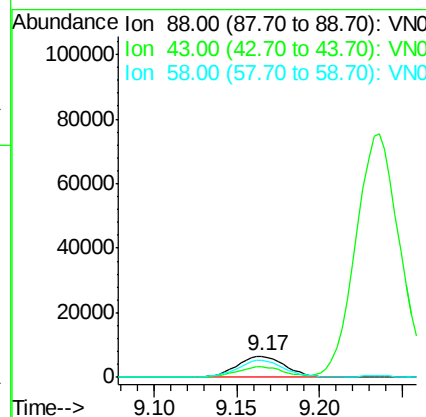
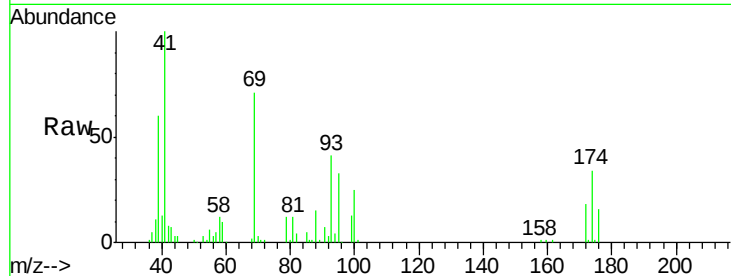
#49
1,4-Dioxane
Concen: 744.289 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.0	35.3	52.9
58	77.5	61.5	92.3

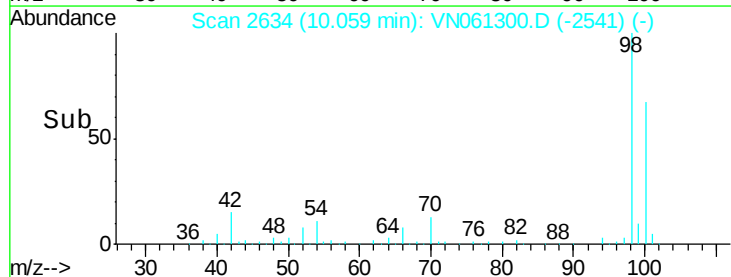
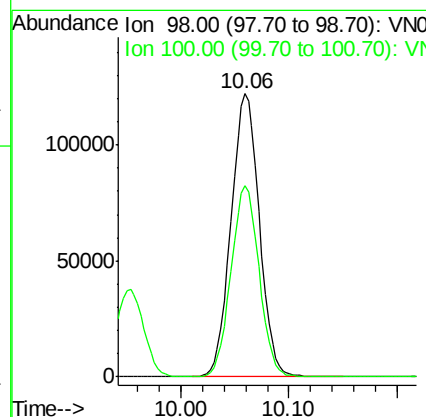
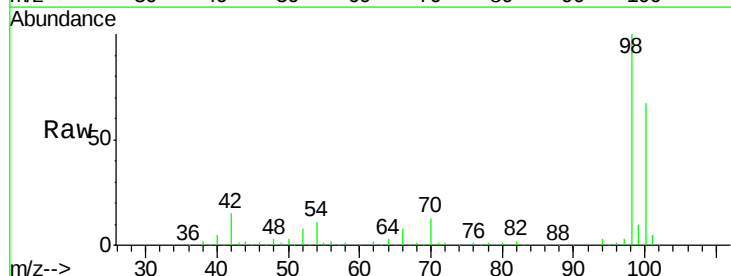
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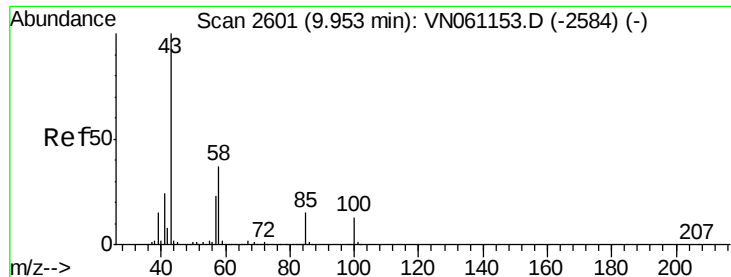
MMDadoda
5/6/2020 11:38:04 AM



#50
Toluene-d8
Concen: 51.762 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.4	80.0





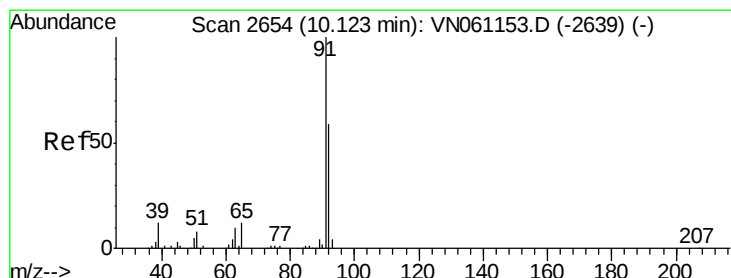
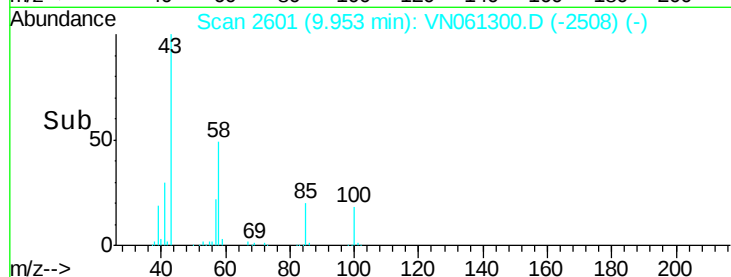
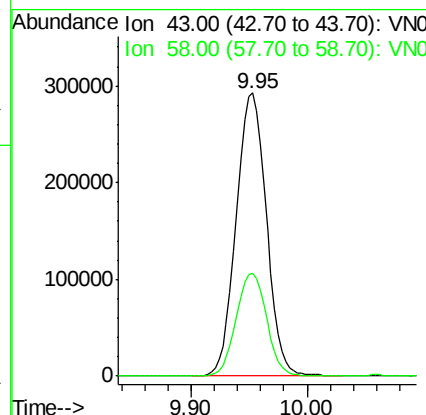
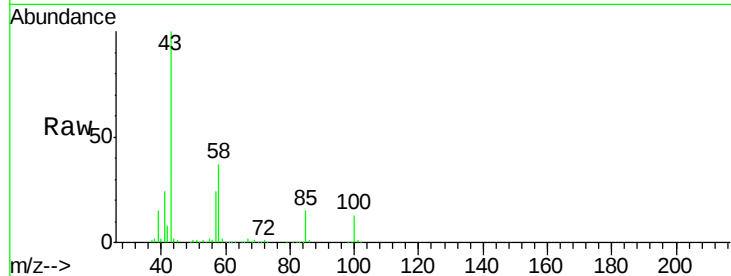
#51
4-Methyl-2-Pentanone
Concen: 257.146 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.1	43.7

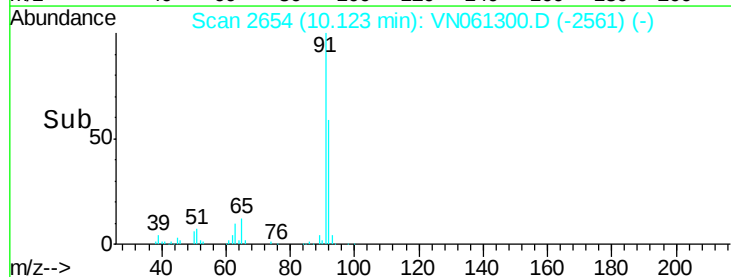
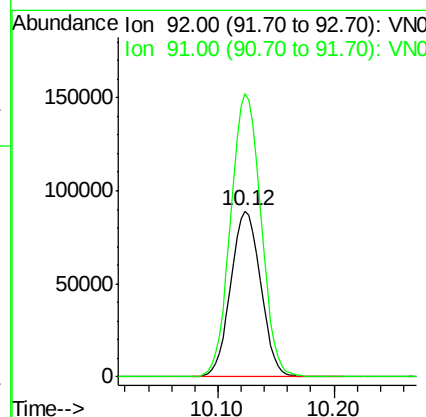
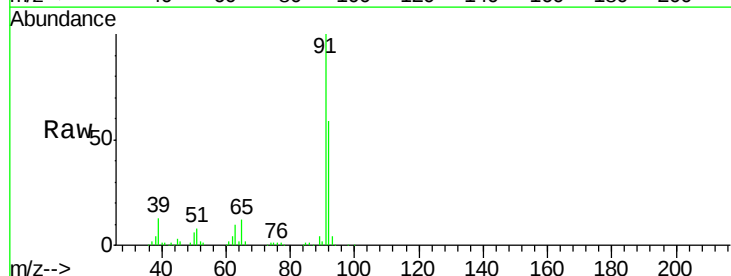
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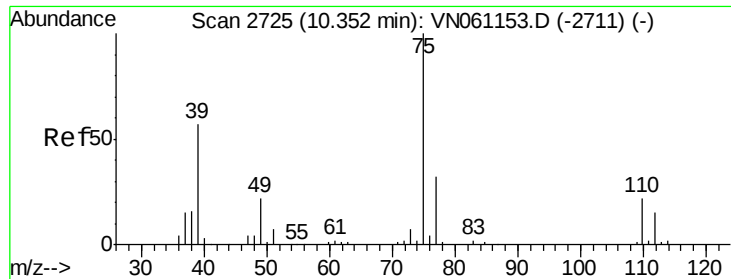
MMDadoda
5/6/2020 11:38:04 AM



#52
Toluene
Concen: 49.563 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	136.2	204.2





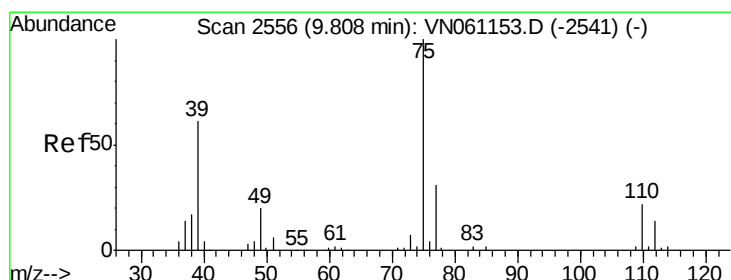
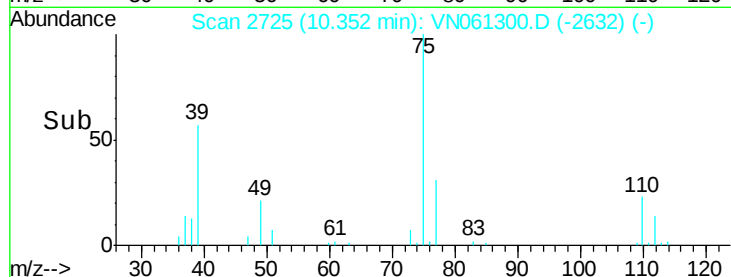
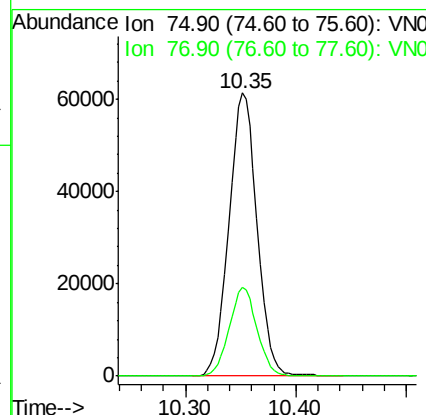
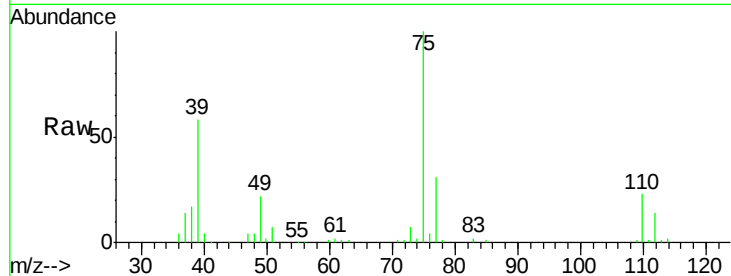
#53
t-1,3-Dichloropropene
Concen: 50.574 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 108106
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3

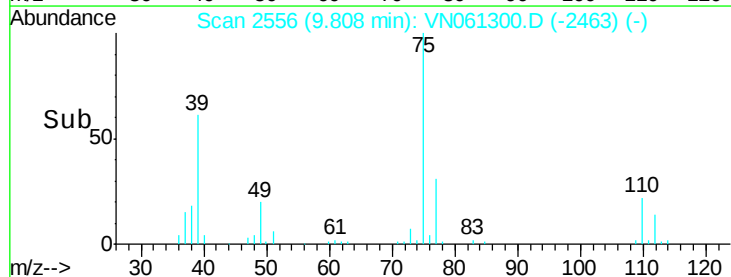
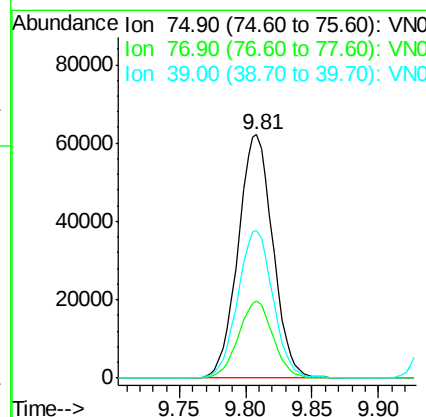
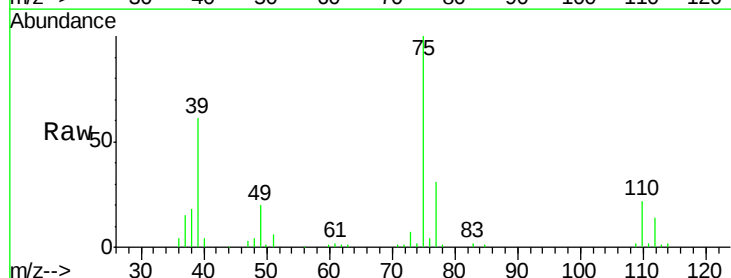
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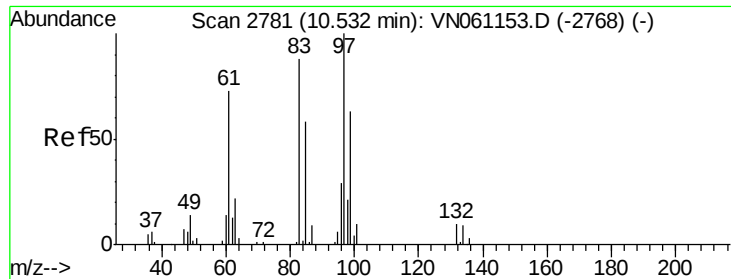
MMDadoda
5/6/2020 11:38:04 AM



#54
cis-1,3-Dichloropropene
Concen: 50.184 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion: 75 Resp: 113410
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4
39 60.9 48.7 73.1





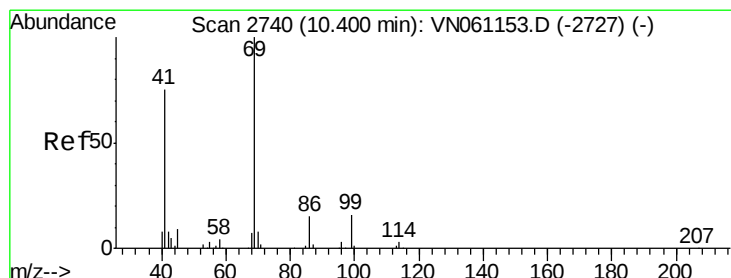
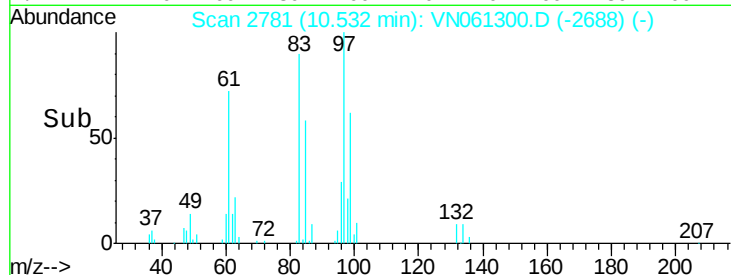
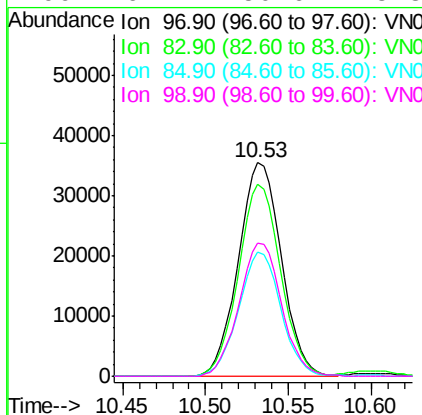
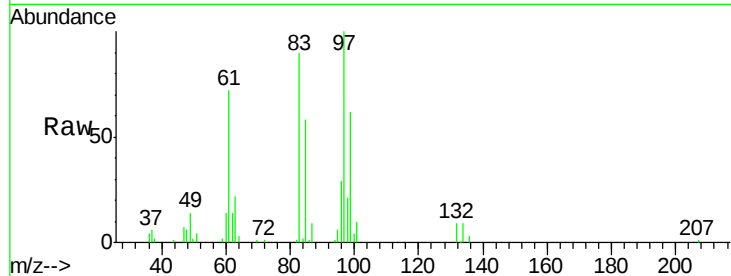
#55
 1,1,2-Trichloroethane
 Concen: 49.851 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion:	97	Resp:	63994
Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.6	106.0
85	57.9	46.4	69.6
99	62.4	50.6	75.8

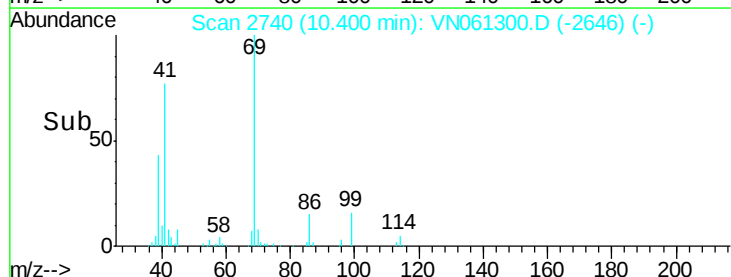
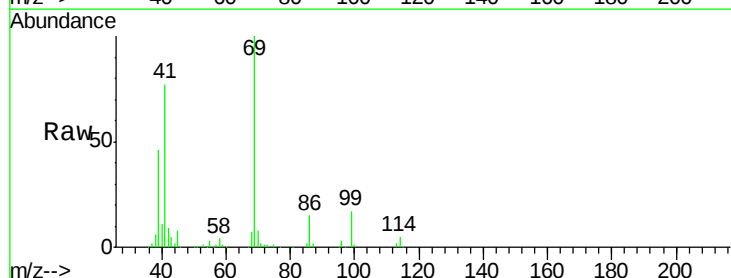
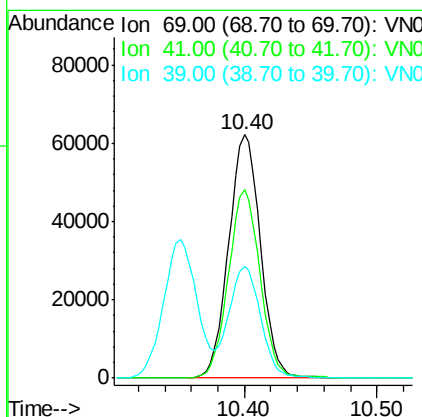
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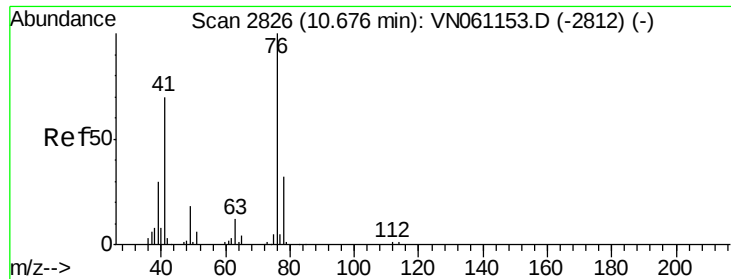
MMDadoda
 5/6/2020 11:38:04 AM



#56
 Ethyl methacrylate
 Concen: 46.493 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Tgt Ion:	69	Resp:	103550
Ion	Ratio	Lower	Upper
69	100		
41	76.3	60.3	90.5
39	45.7	35.9	53.9





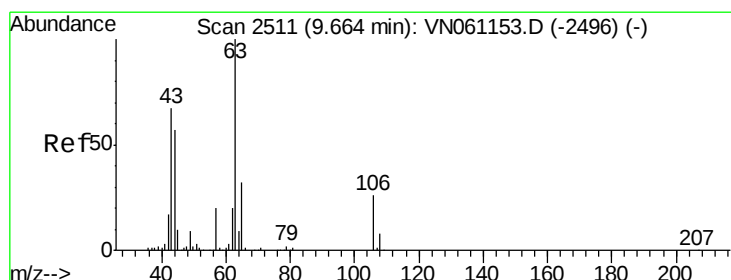
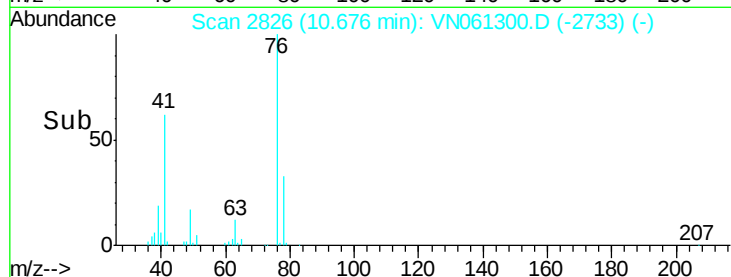
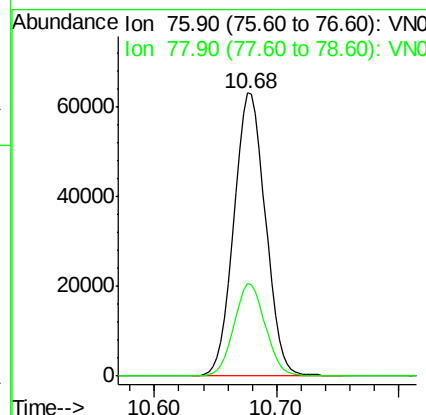
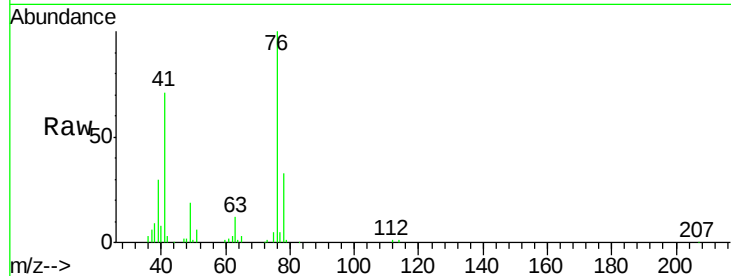
#57
 1,3-Dichloropropane
 Concen: 50.621 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. -0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 76 Resp: 114221
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3

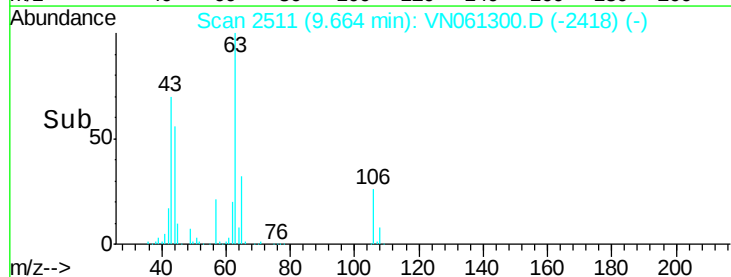
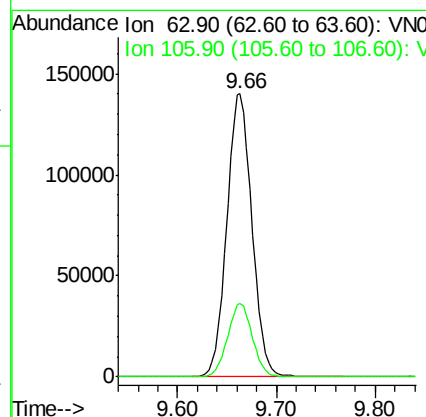
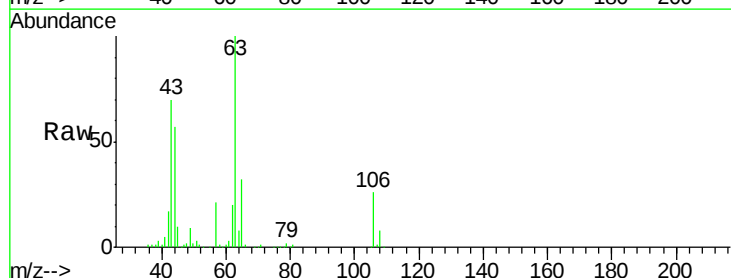
Manual Integrations
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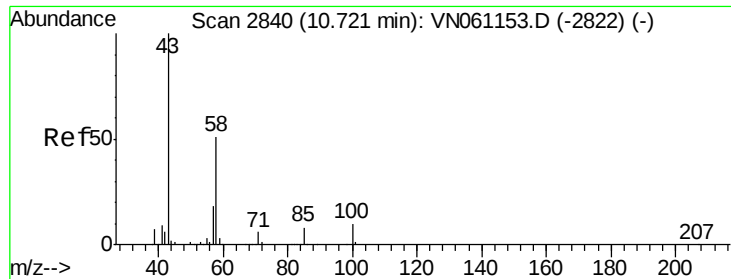
MMDadoda
 5/6/2020 11:38:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.018 ug/l
 RT: 9.66 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Tgt Ion: 63 Resp: 250438
 Ion Ratio Lower Upper
 63 100
 106 25.6 20.6 30.8





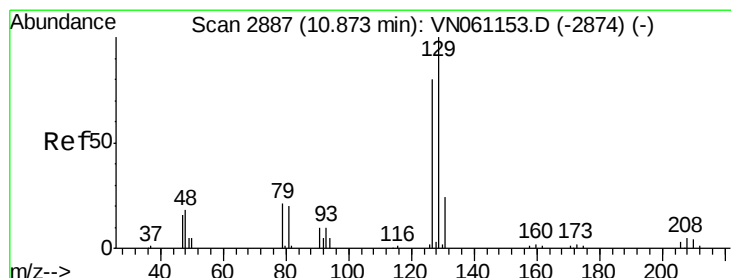
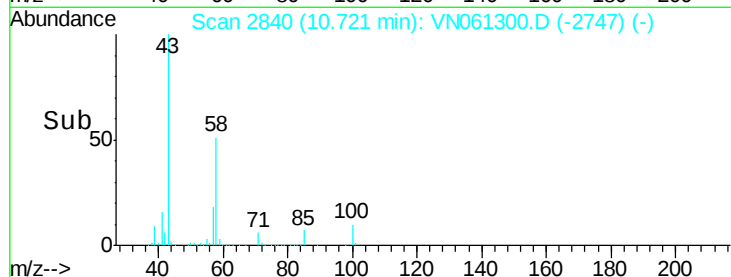
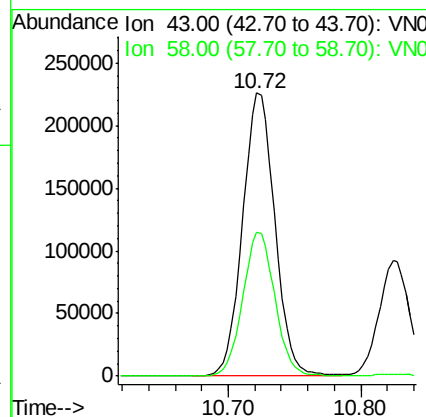
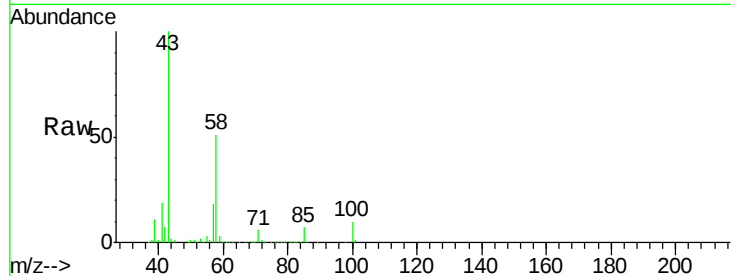
#59
2-Hexanone
Concen: 255.917 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 382404
Ion Ratio Lower Upper
43 100
58 50.6 25.4 76.4

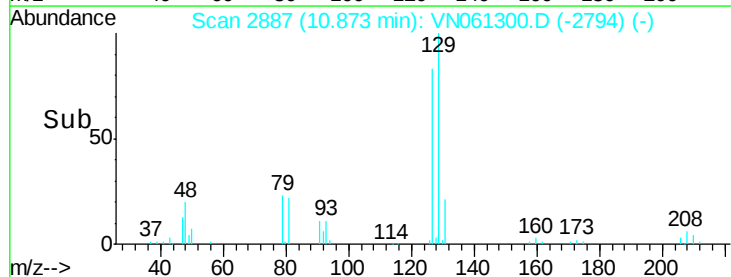
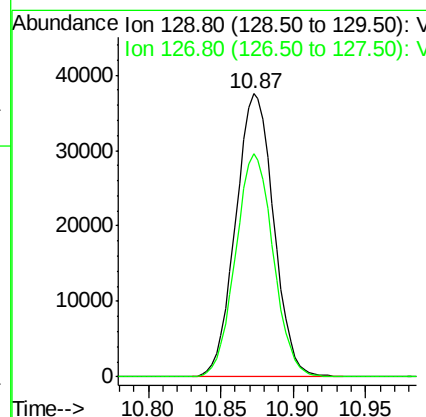
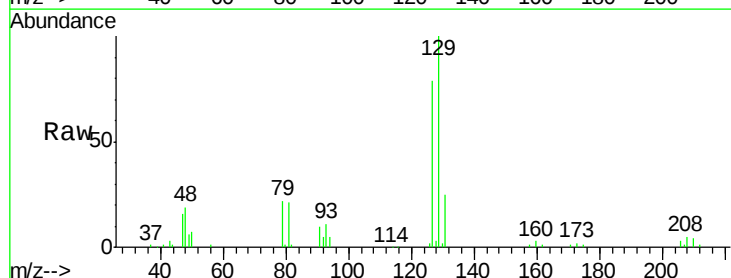
Manual Integrations
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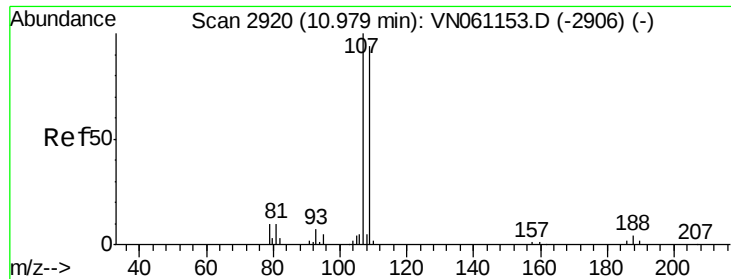
MMDadoda
5/6/2020 11:38:04 AM



#60
Dibromochloromethane
Concen: 50.924 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion: 129 Resp: 68466
Ion Ratio Lower Upper
129 100
127 78.0 39.3 117.8





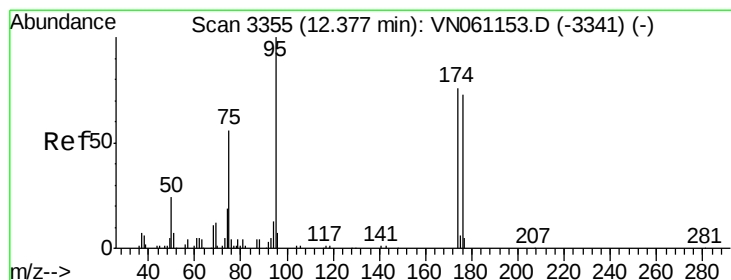
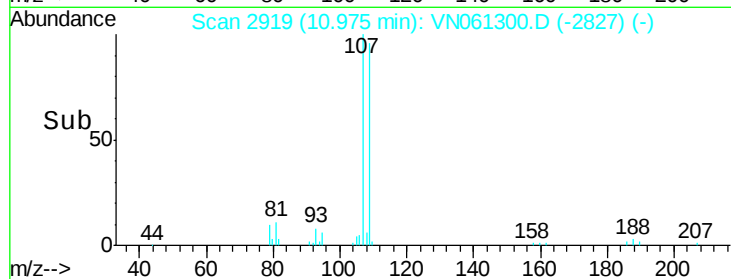
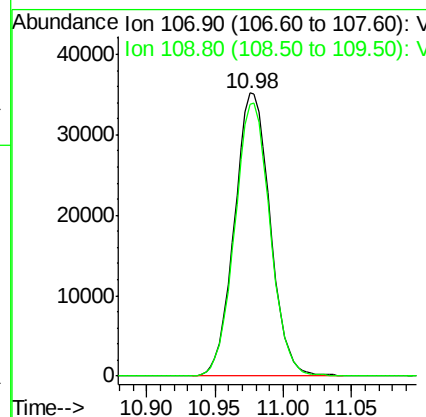
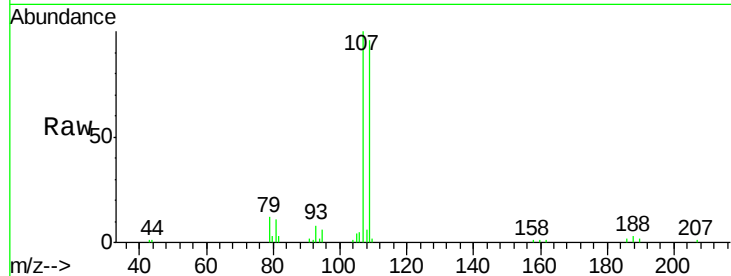
#61
 1,2-Dibromoethane
 Concen: 49.685 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	74.8	112.2

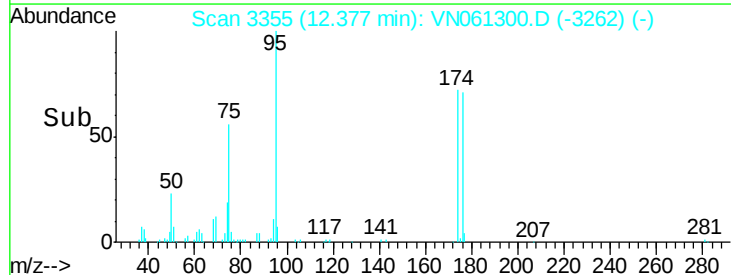
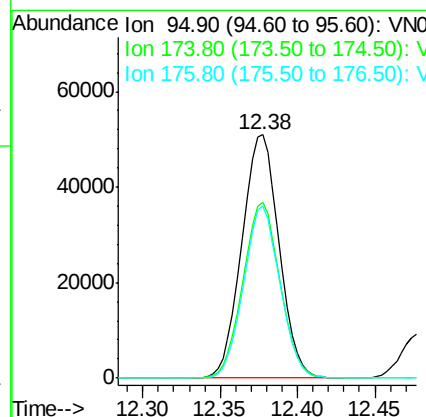
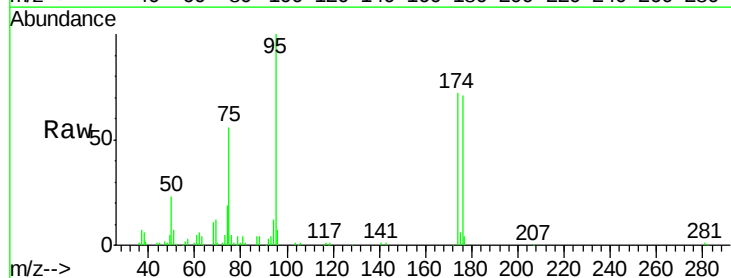
Manual Integrations
 APPROVED

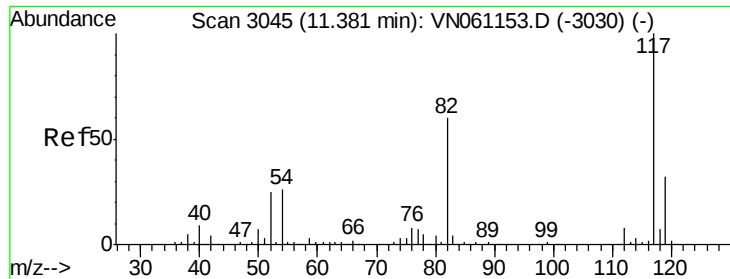
MMDadoda
 5/6/2020 11:38:04 AM



#62
 4-Bromofluorobenzene
 Concen: 52.498 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	149.4
176	69.0	0.0	144.8





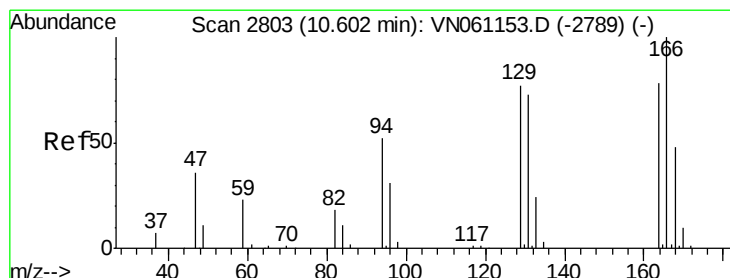
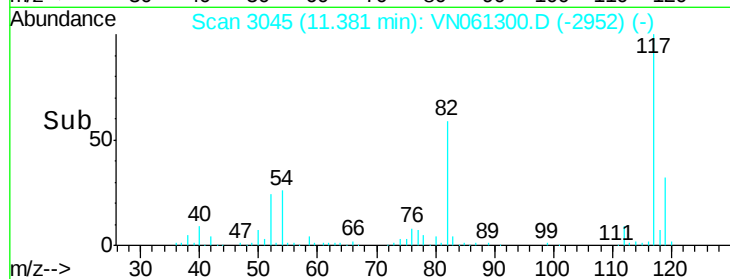
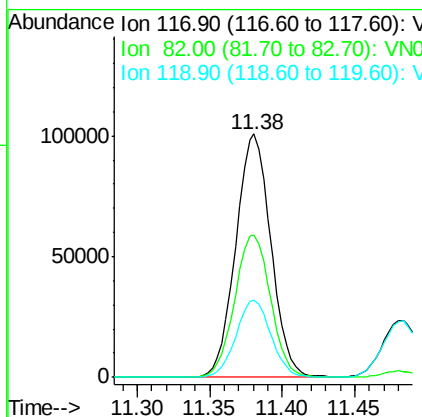
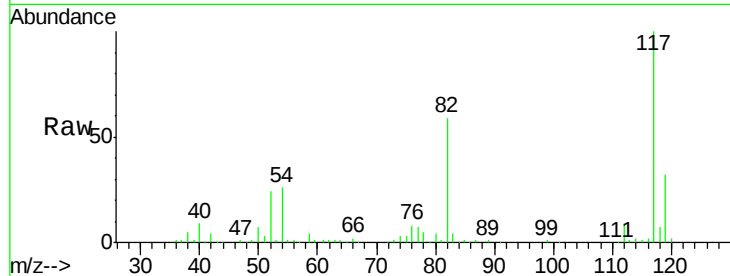
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.8
119	31.9	25.8	38.6

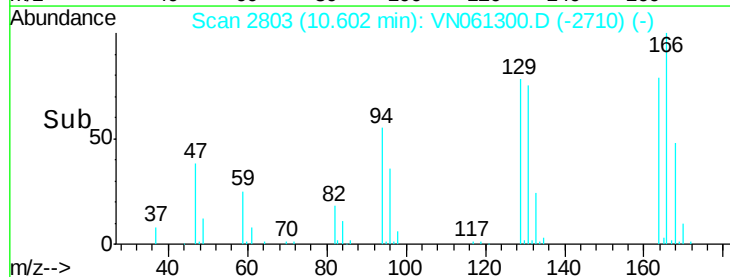
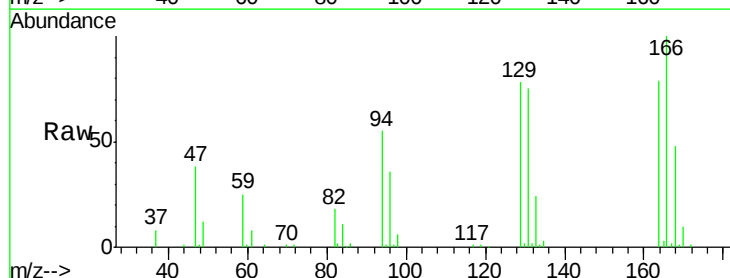
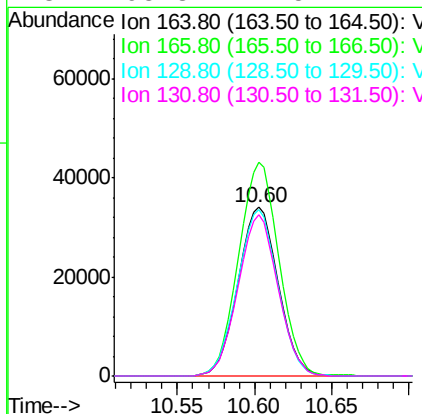
Manual Integrations
APPROVED

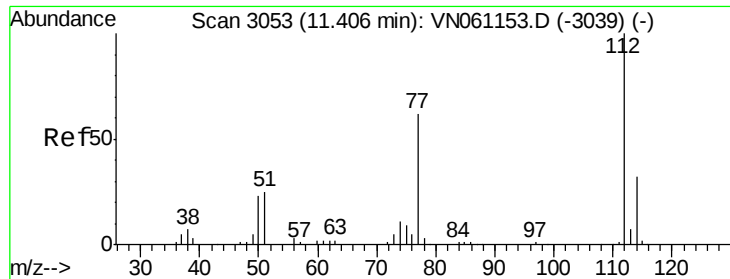
MMDadoda
5/6/2020 11:38:04 AM



#64
Tetrachloroethene
Concen: 41.779 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.0	153.0
129	98.4	78.2	117.2
131	95.3	74.5	111.7





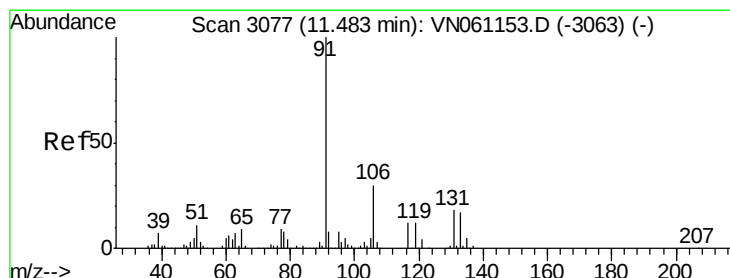
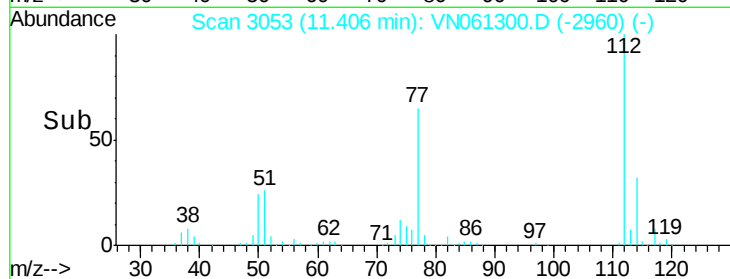
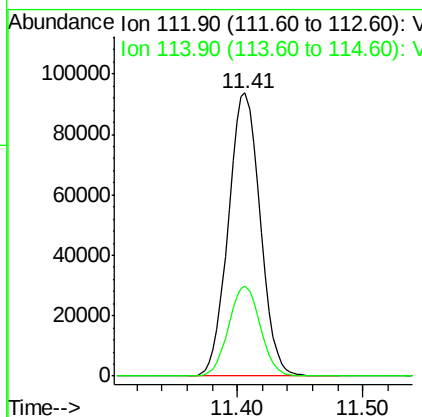
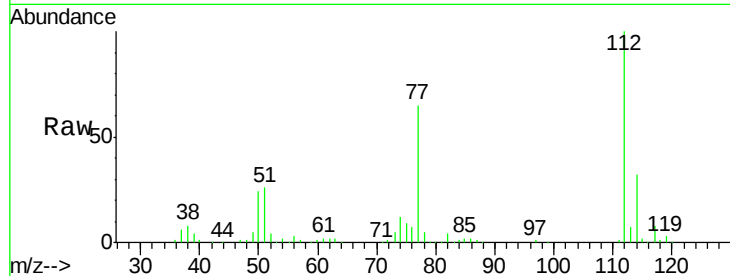
#65
Chlorobenzene
Concen: 49.062 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 165279
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

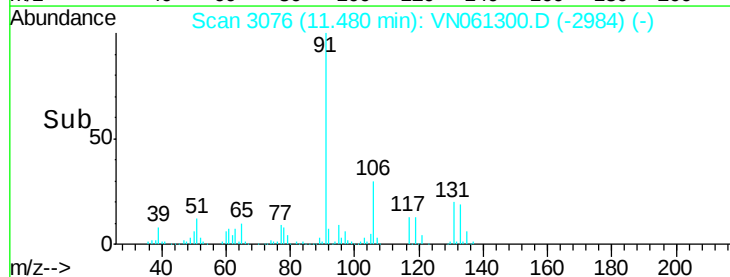
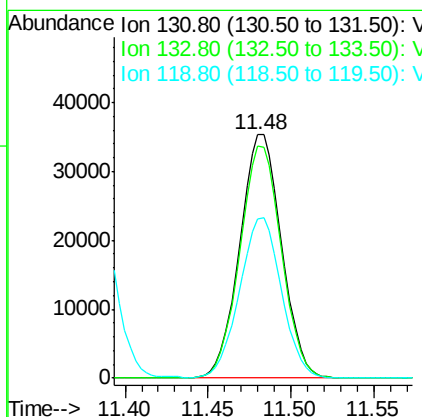
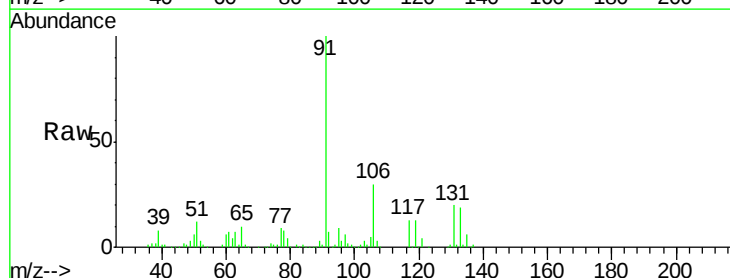
Manual Integrations
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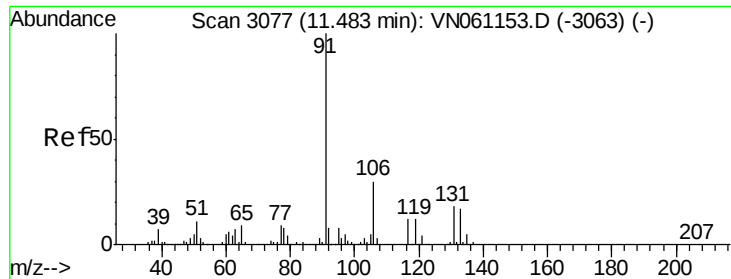
MMDadoda
5/6/2020 11:38:04 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.233 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion:131 Resp: 61773
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.2
119 66.1 32.6 97.8





#67

Ethyl Benzene

Concen: 49.739 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 313673

Ion Ratio Lower Upper

91 100

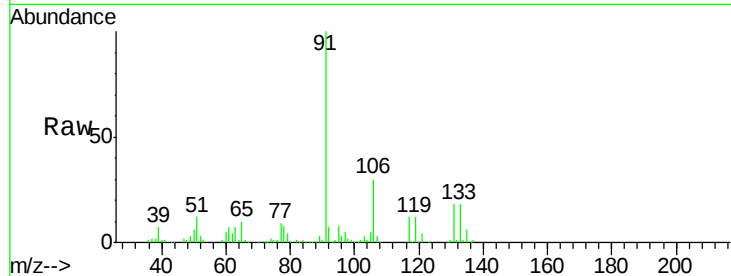
106 29.6 23.8 35.6

Manual Integrations

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

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

300000

250000

200000

150000

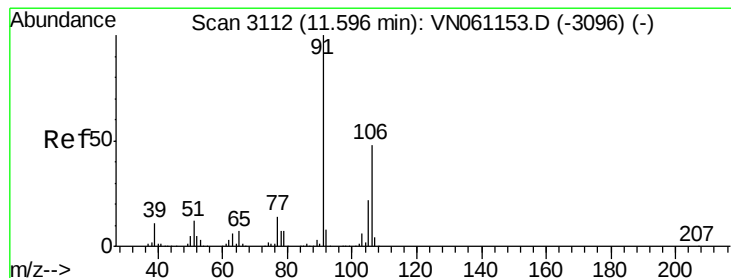
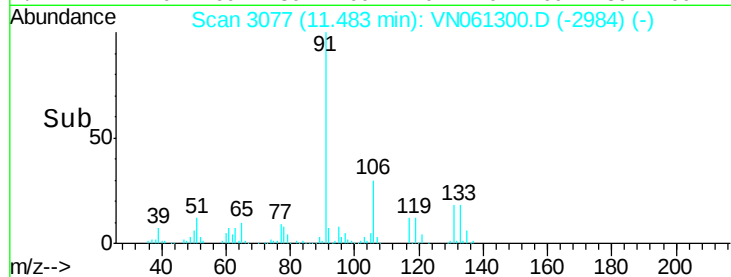
100000

50000

0

11.40 11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 98.997 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061300.D

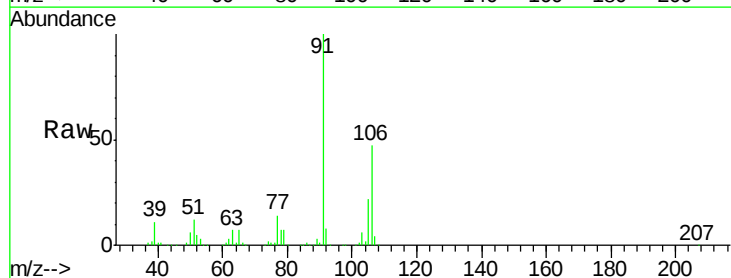
Acq: 5 May 2020 18:24

Tgt Ion: 106 Resp: 228517

Ion Ratio Lower Upper

106 100

91 211.9 166.4 249.6



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

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

300000

250000

200000

150000

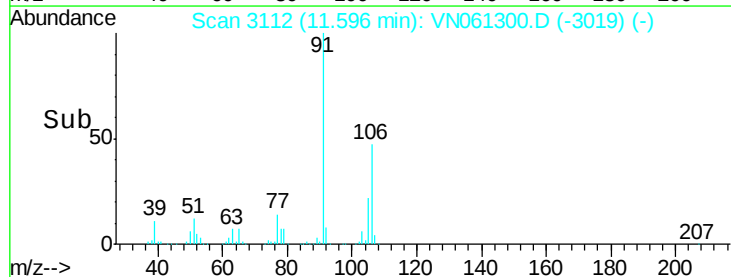
100000

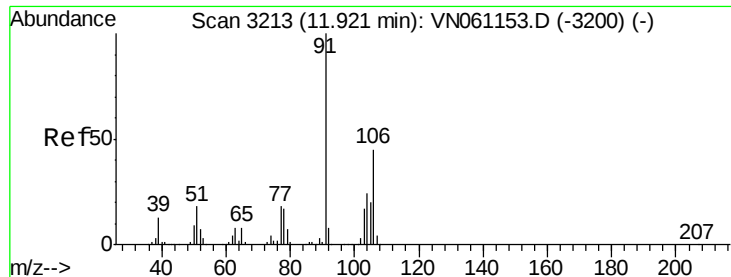
50000

0

11.50 11.60 11.70

Time-->





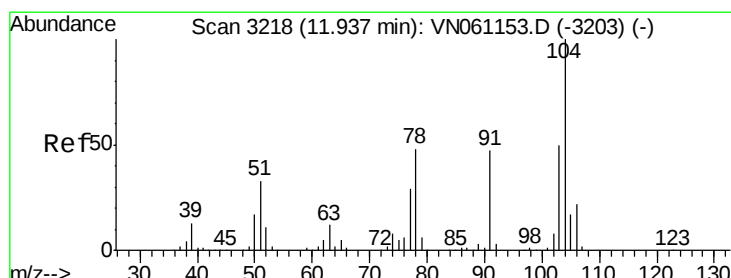
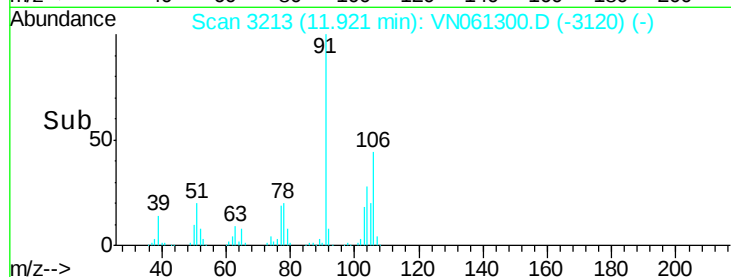
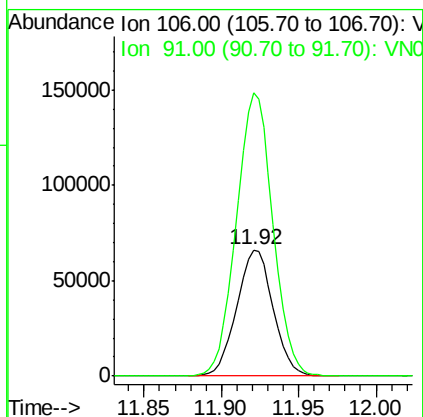
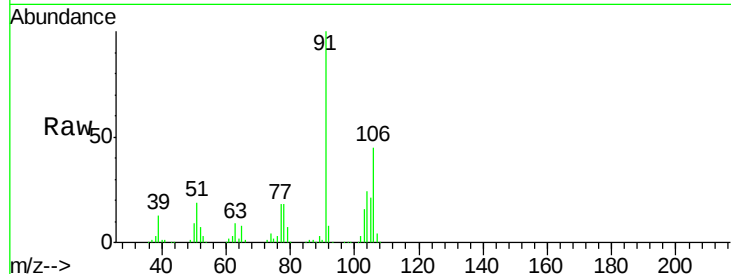
#69
o-Xylene
Concen: 48.731 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	225.2	109.7	329.0		

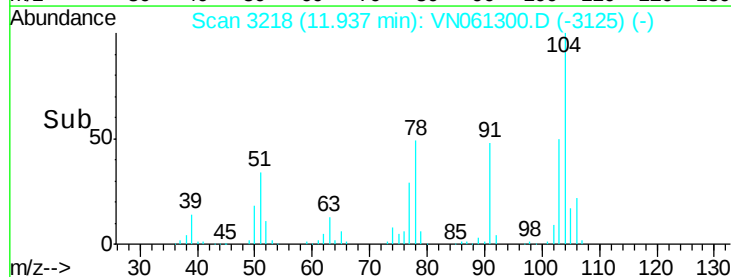
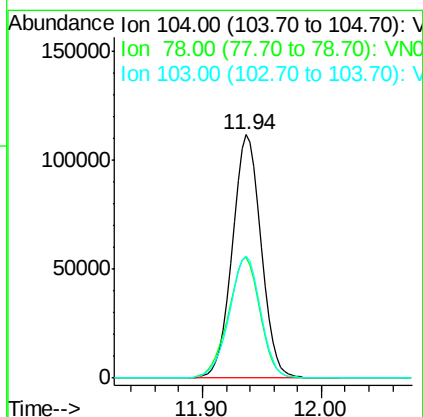
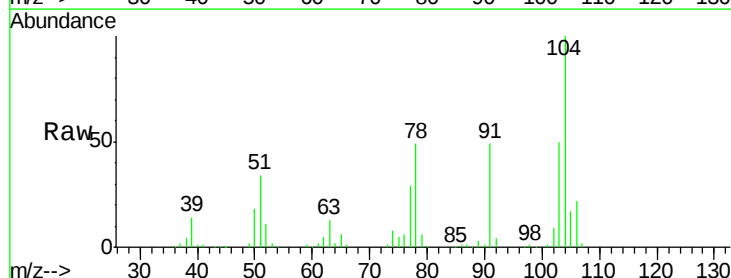
Manual Integrations
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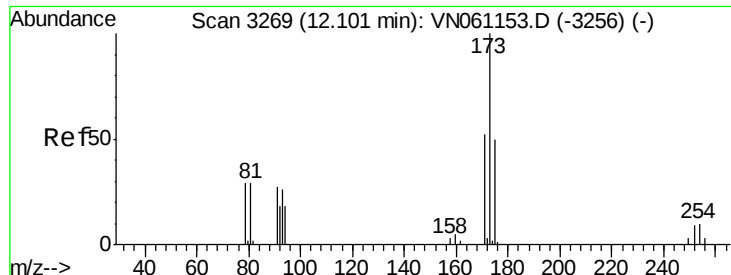
MMDadoda
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#70
Styrene
Concen: 50.505 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN061300.D
Acq: 5 May 2020 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	54.4	42.1	63.1		
103	54.4	43.3	64.9		





#71

Bromoform

Concen: 51.957 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

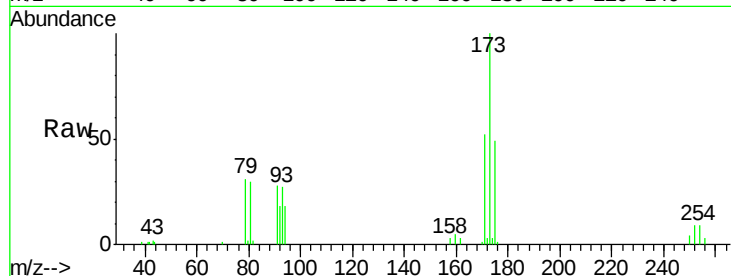
ClientSampled :

VSTDCCC050EC

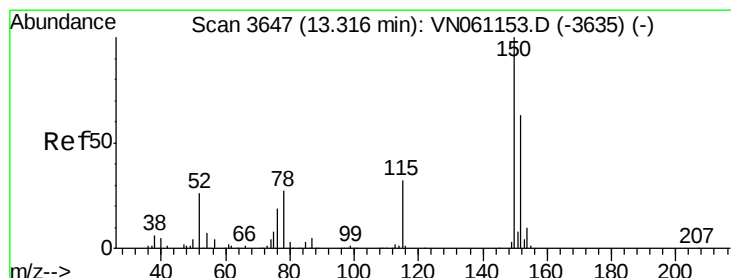
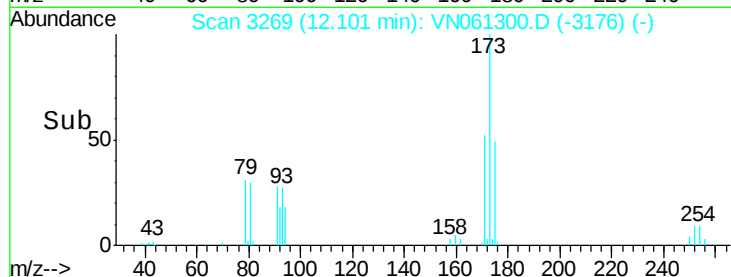
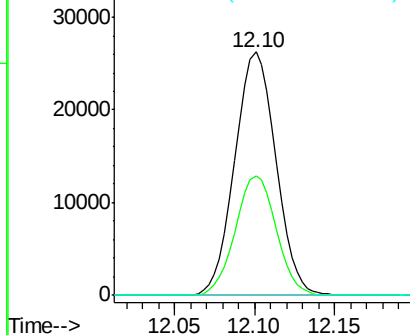
Tot Ion:173	Resp:	46041
Ion Ratio	Lower	Upper
173 100		
175 48.8	24.1	72.4
254 0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

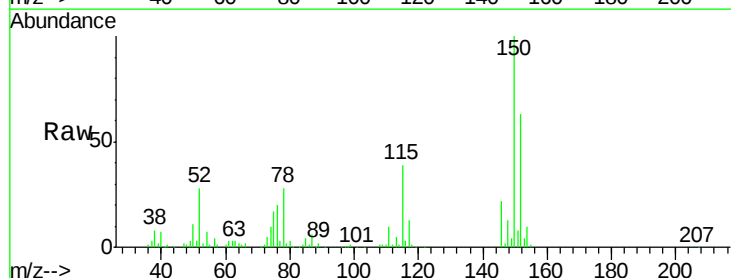
RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

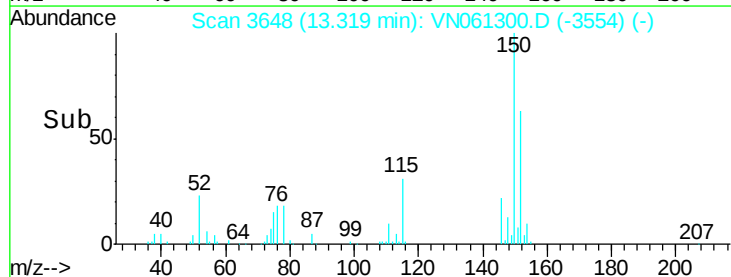
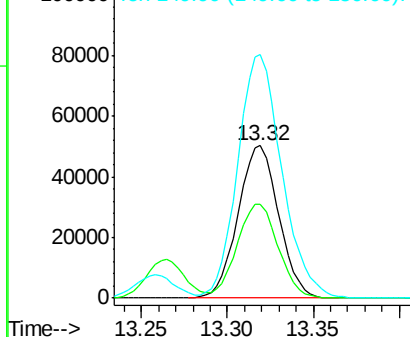
Lab File: VN061300.D

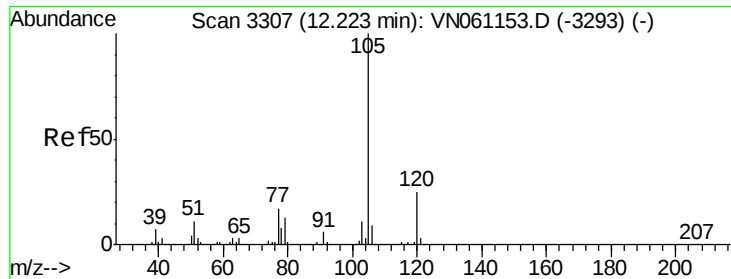
Acq: 5 May 2020 18:24

Tgt Ion:152	Resp:	82289
Ion Ratio	Lower	Upper
152 100		
115 62.7	31.0	93.0
150 173.5	0.0	351.8



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





#73

Isopropylbenzene

Concen: 49.559 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 299807

Ion Ratio Lower Upper

105 100

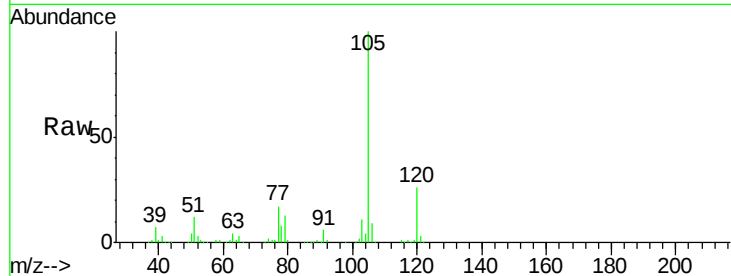
120 25.4 12.6 37.8

Manual Integrations

APPROVED

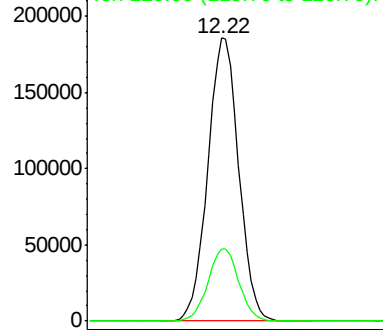
MMDadoda

5/6/2020 11:38:04 AM

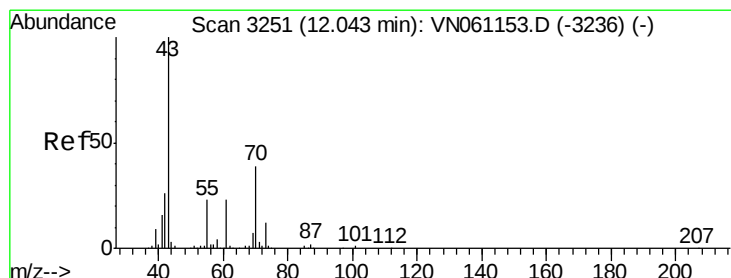
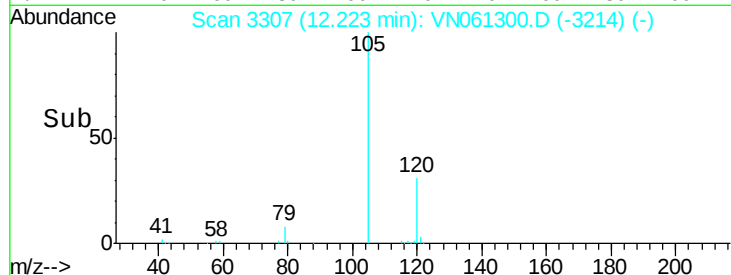


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 48.755 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Tgt Ion: 43 Resp: 149353

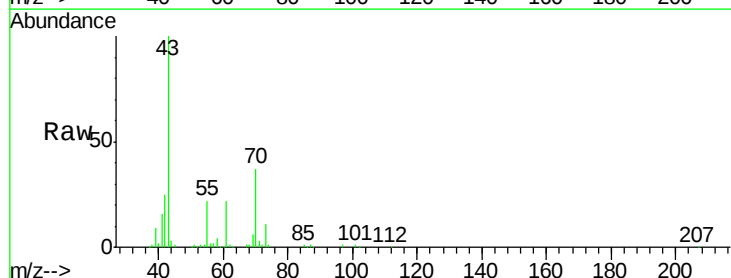
Ion Ratio Lower Upper

43 100

70 37.3 30.6 46.0

55 22.8 18.5 27.7

61 22.2 17.9 26.9

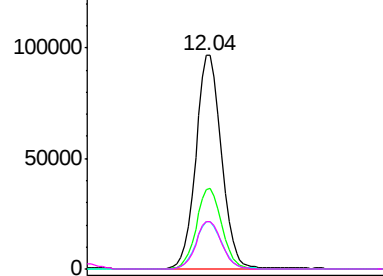


Abundance Ion 43.00 (42.70 to 43.70): V

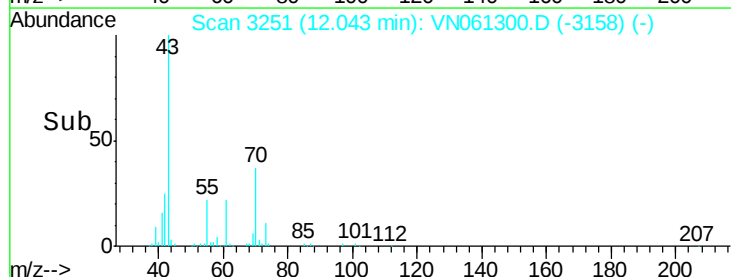
Ion 70.00 (69.70 to 70.70): V

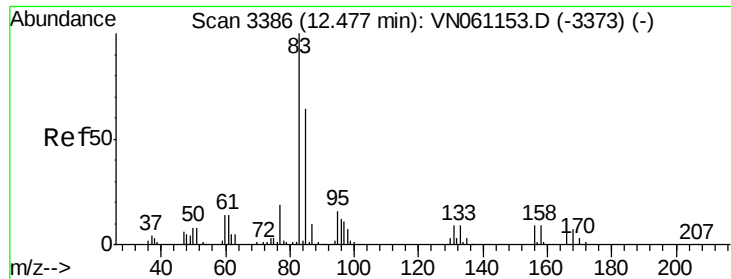
Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.814 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

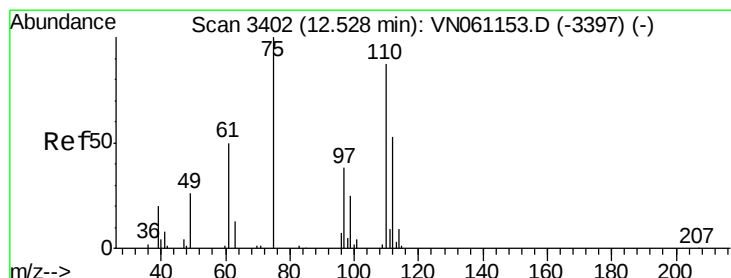
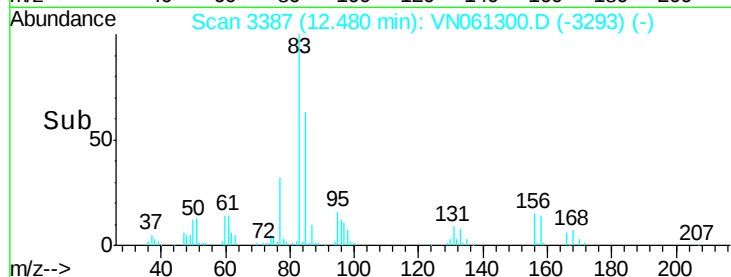
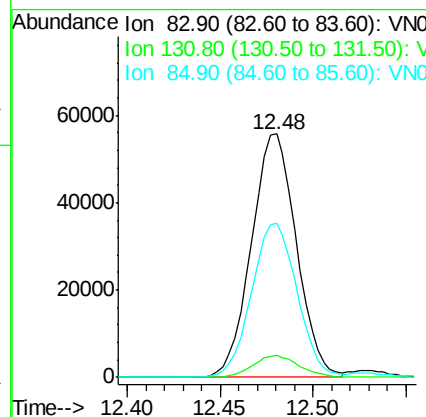
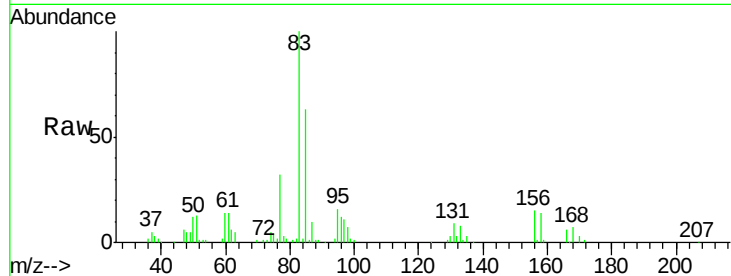
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	93964
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	63.9	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.622 ug/l m

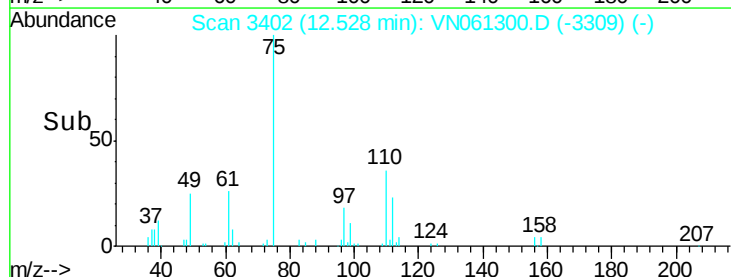
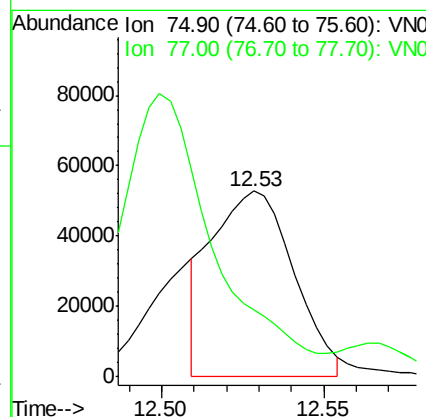
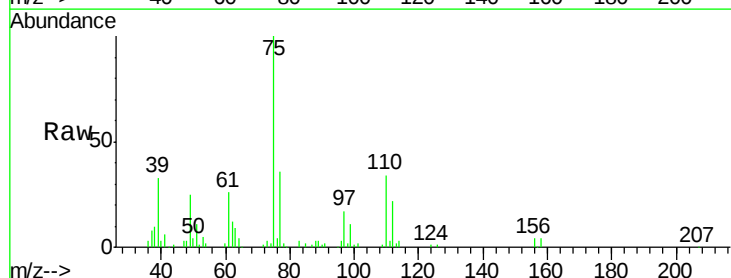
RT: 12.53 min Scan# 3402

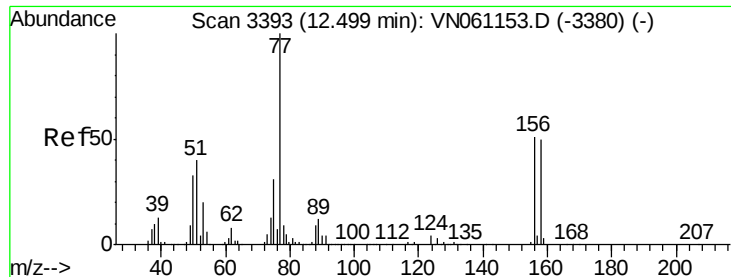
Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Tgt Ion:	75	Resp:	93028
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.828 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 68187

Ion Ratio Lower Upper

156 100

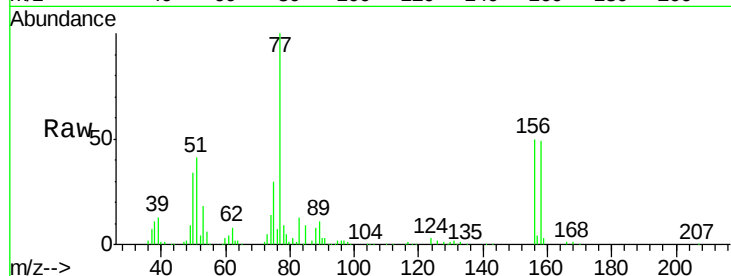
77 239.5 117.4 352.2

158 96.2 48.4 145.0

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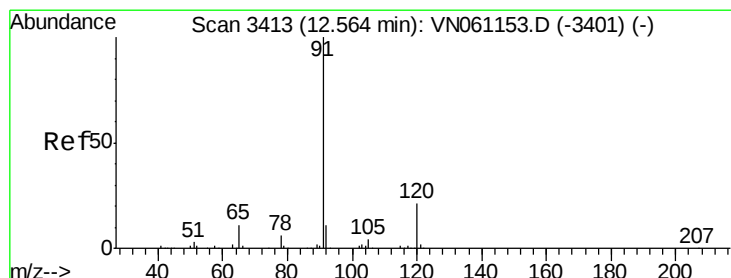
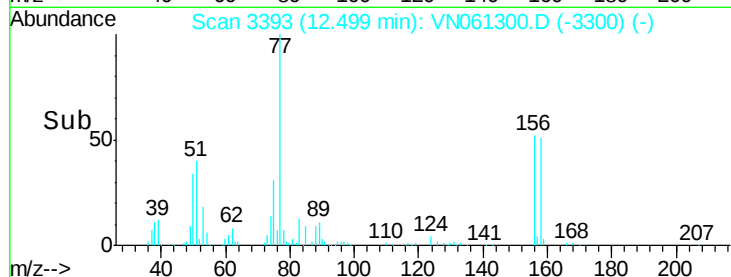
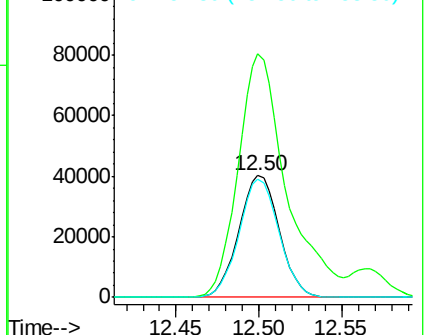
5/6/2020 11:38:04 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.092 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061300.D

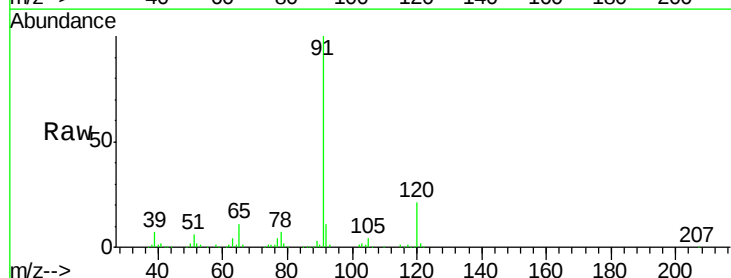
Acq: 5 May 2020 18:24

Tgt Ion: 91 Resp: 359427

Ion Ratio Lower Upper

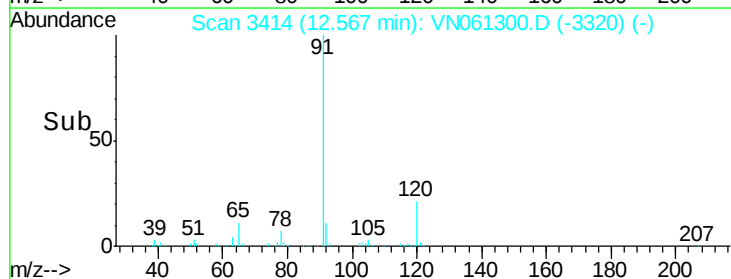
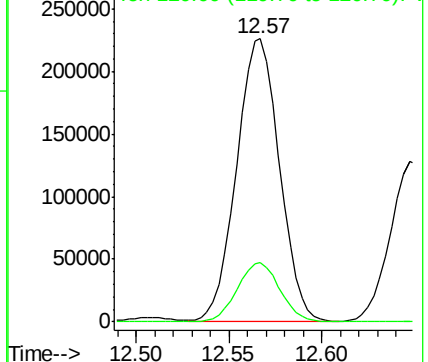
91 100

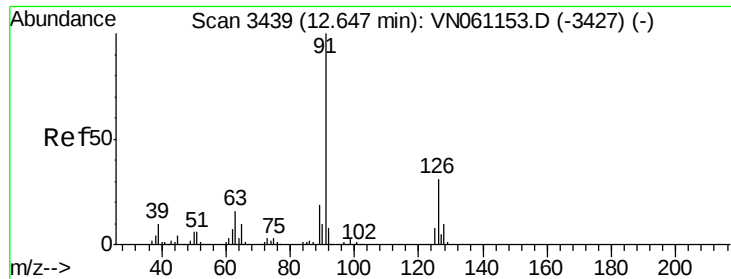
120 21.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.879 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 210365

Ion Ratio Lower Upper

91 100

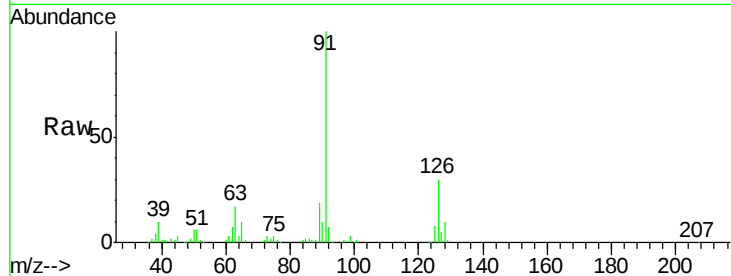
126 30.8 15.9 47.7

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

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

200000

150000

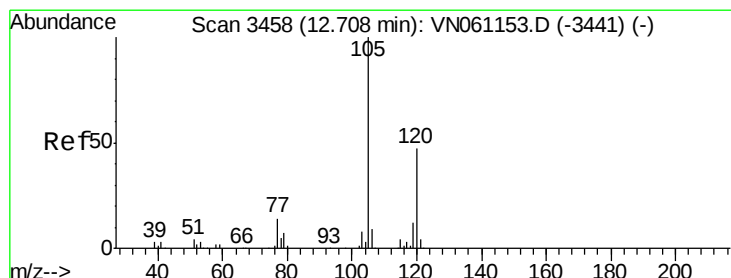
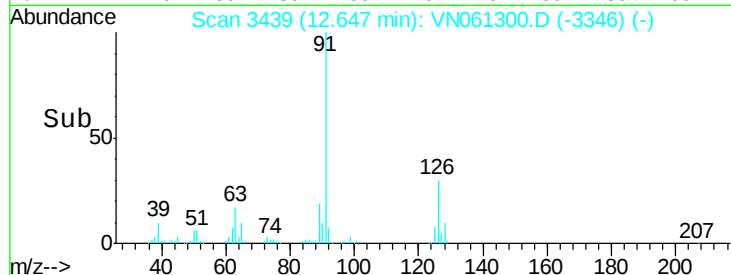
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.729 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. -0.00 min

Lab File: VN061300.D

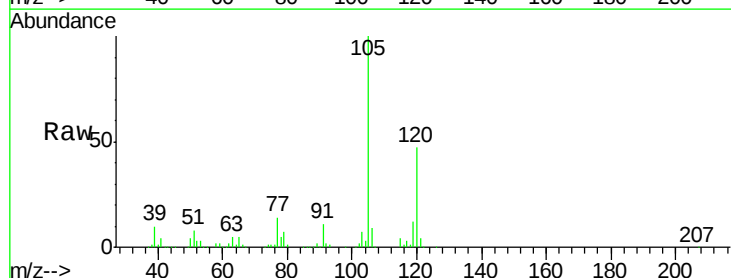
Acq: 5 May 2020 18:24

Tgt Ion: 105 Resp: 253993

Ion Ratio Lower Upper

105 100

120 47.2 23.9 71.7



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

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

150000

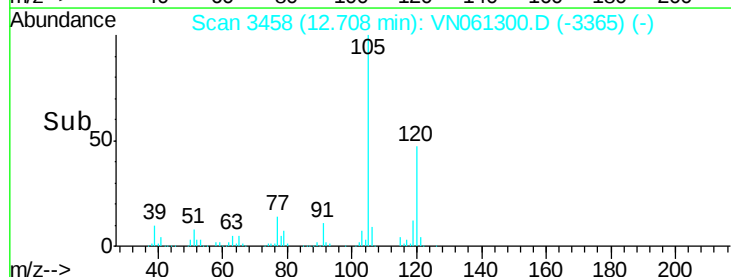
100000

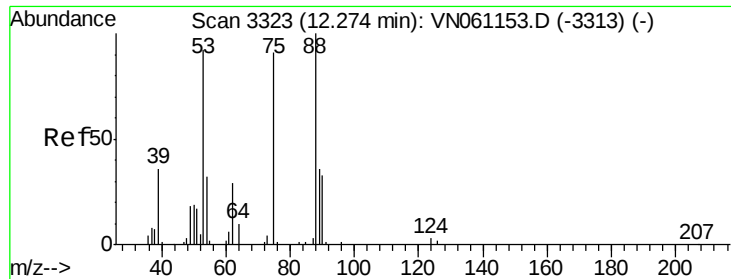
50000

0

12.70 12.71 12.72

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.258 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

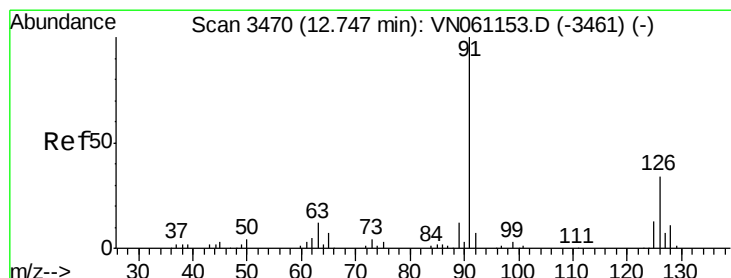
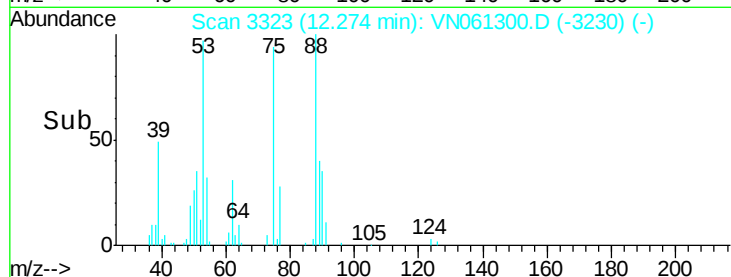
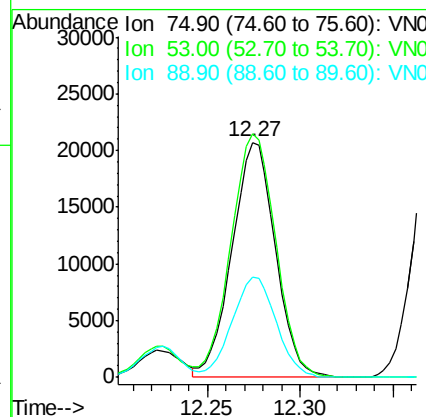
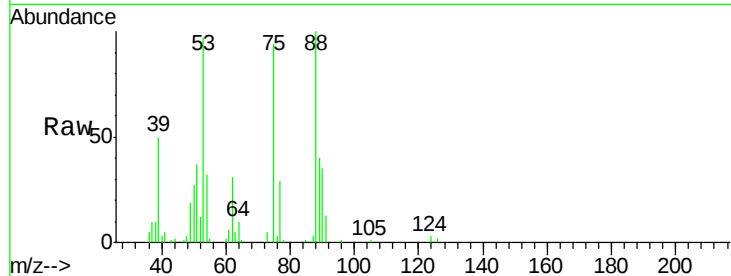
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	33651
Ion Ratio	Lower	Upper	
75	100		
53	106.7	84.1	126.1
89	43.3	35.2	52.8

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#82

4-Chlorotoluene

Concen: 50.004 ug/l

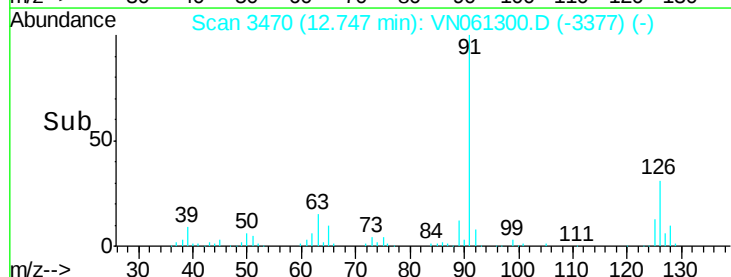
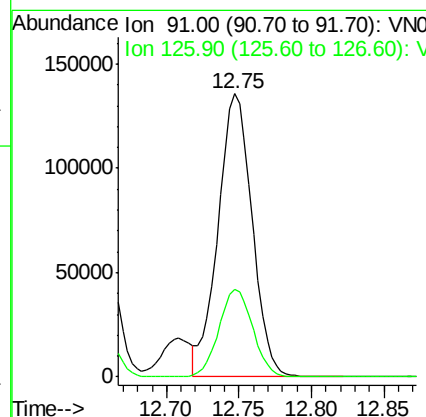
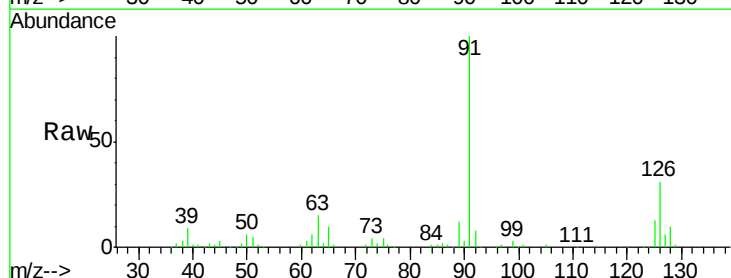
RT: 12.75 min Scan# 3470

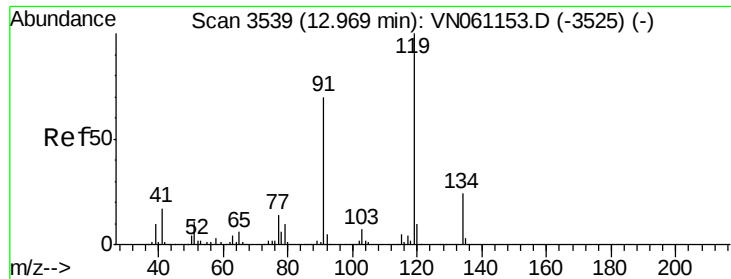
Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Tgt Ion:	91	Resp:	222273
Ion Ratio	Lower	Upper	
91	100		
126	30.8	15.7	47.1





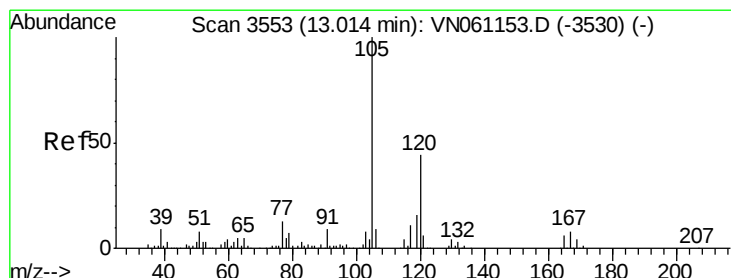
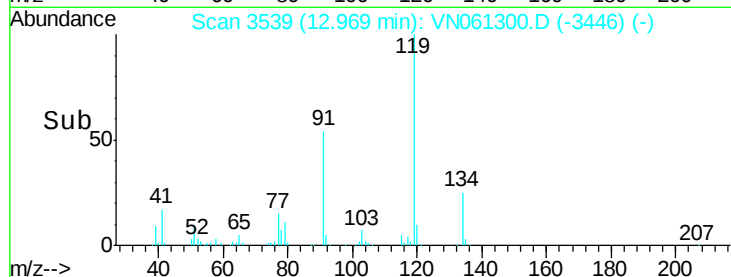
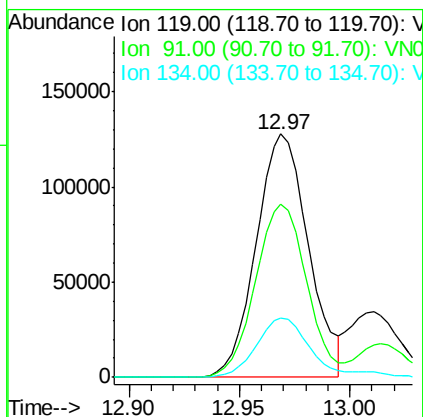
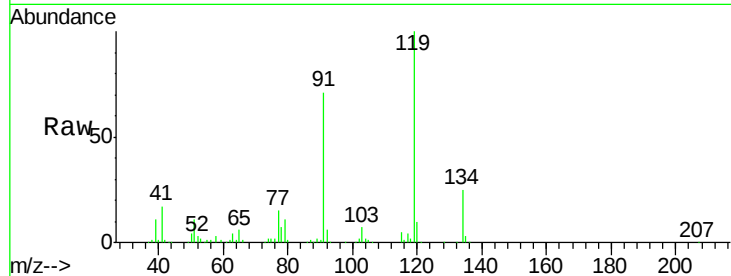
#83
 tert-Butylbenzene
 Concen: 49.641 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	209575		
91	70.2		34.8	104.4
134	25.9		12.9	38.7

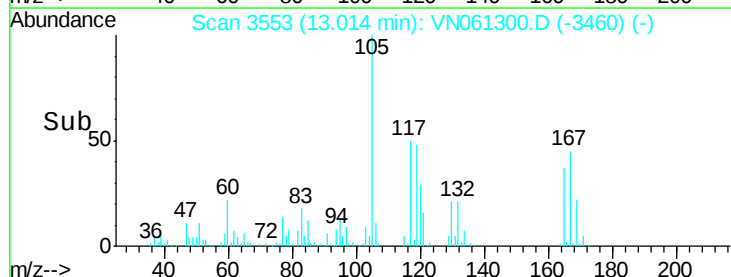
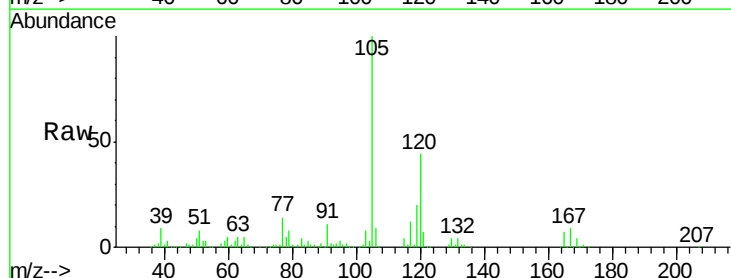
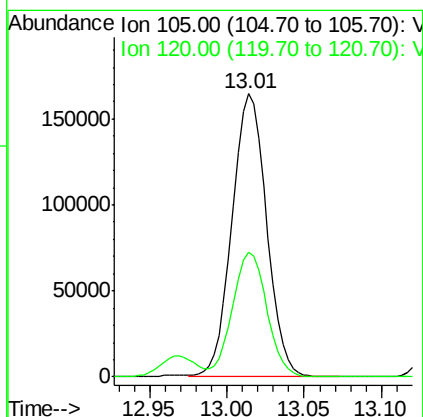
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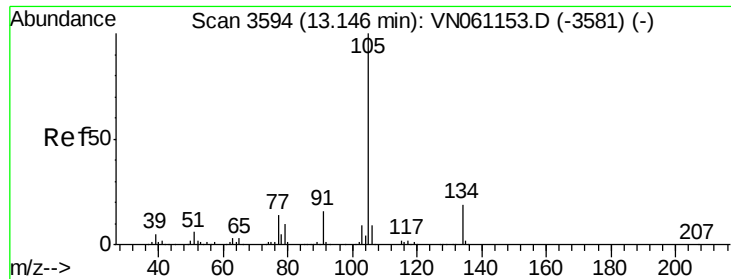
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.217 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	253882		
120	44.0		22.2	66.6





#85

sec-Butylbenzene

Concen: 49.841 ug/l

RT: 13.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 286883

Ion Ratio Lower Upper

105 100

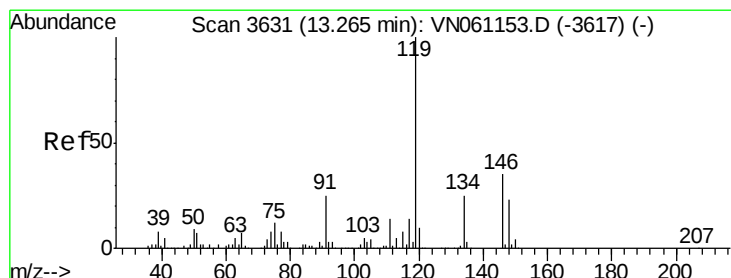
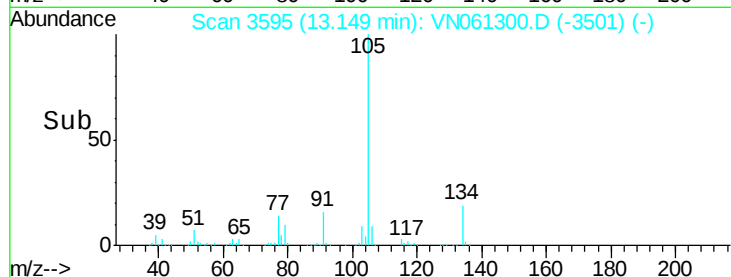
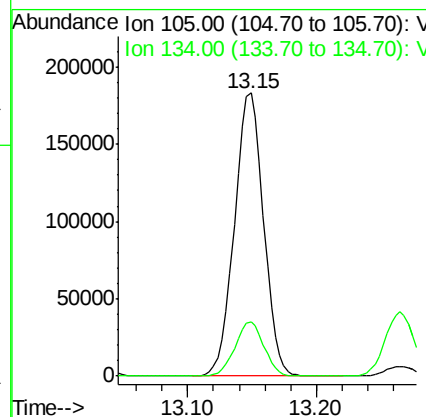
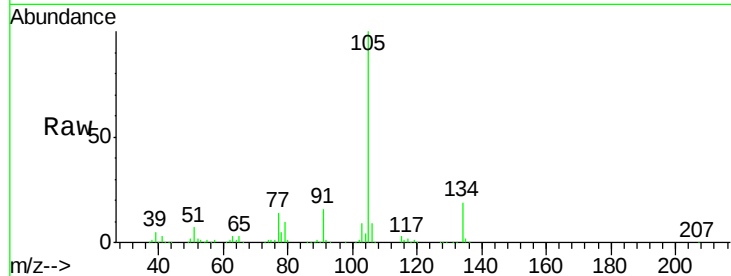
134 19.0 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 49.518 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

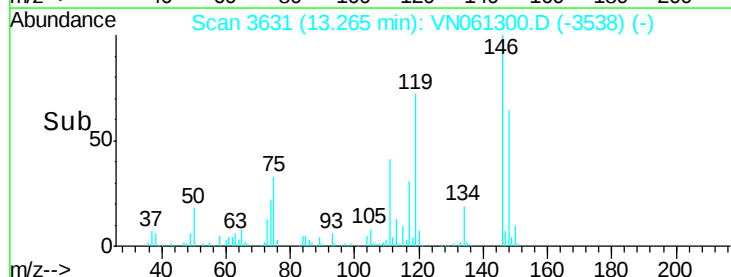
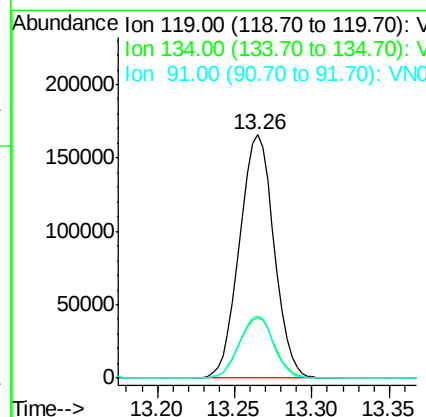
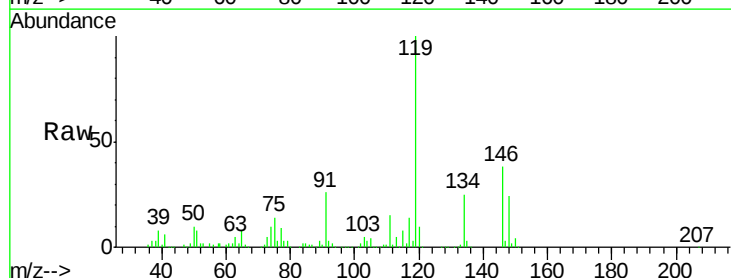
Tgt Ion:119 Resp: 256800

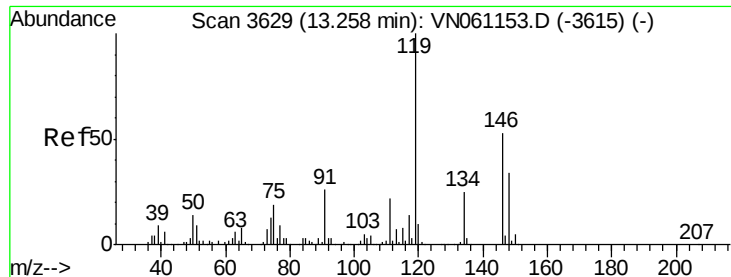
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.6

91 25.5 12.7 38.0





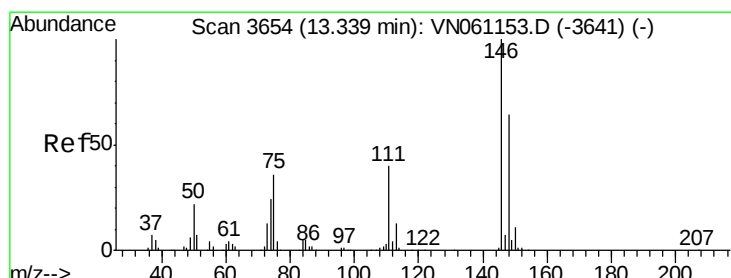
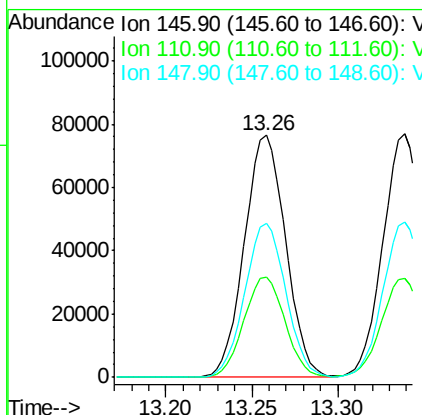
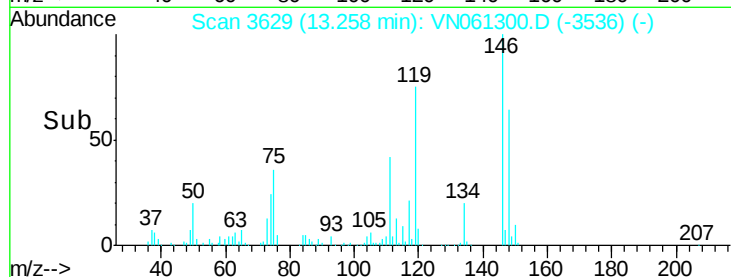
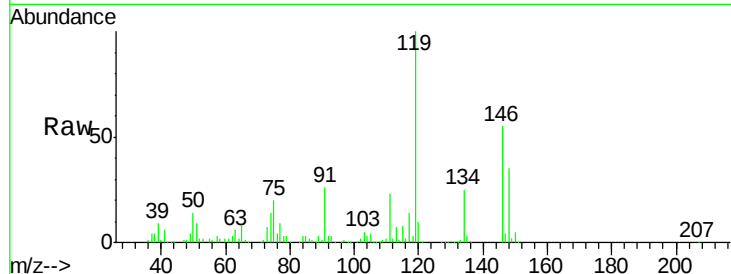
#87
 1,3-Dichlorobenzene
 Concen: 49.648 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. -0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.2	31.8	95.3

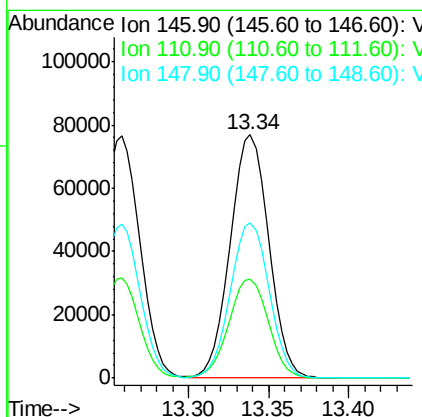
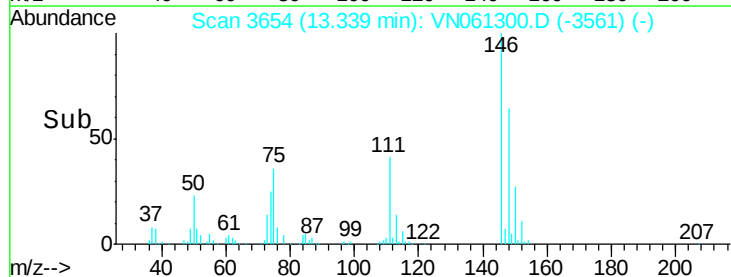
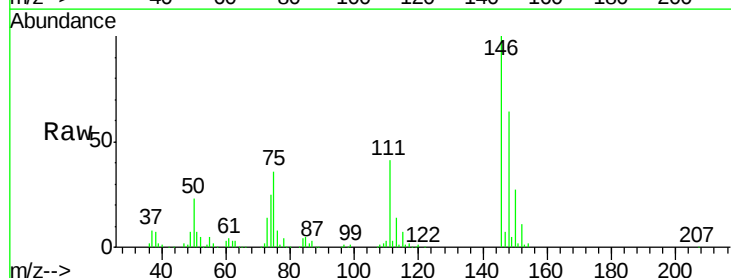
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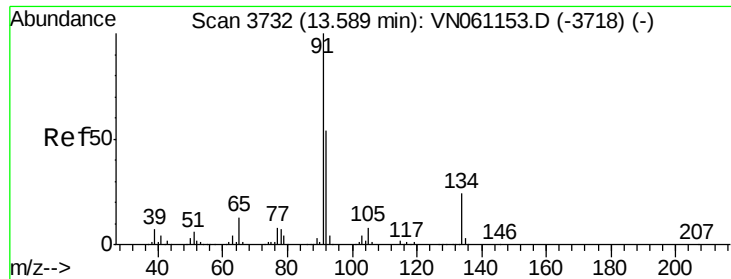
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#88
 1,4-Dichlorobenzene
 Concen: 48.192 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. -0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.4	61.3
148	64.4	31.9	95.7





#89

n-Butylbenzene

Concen: 50.543 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. -0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

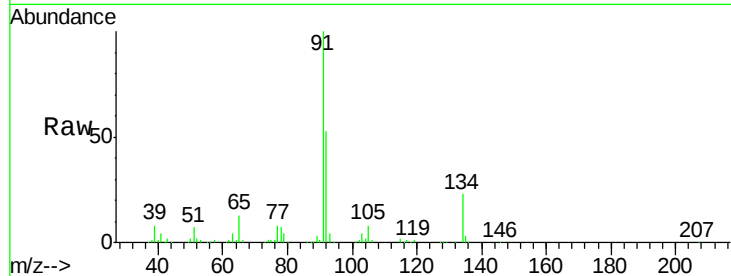
ClientSampleId :

VSTDCCC050EC

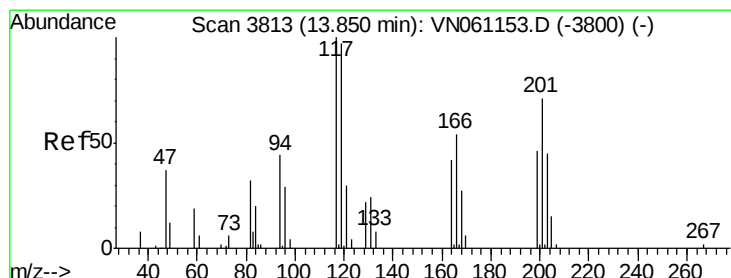
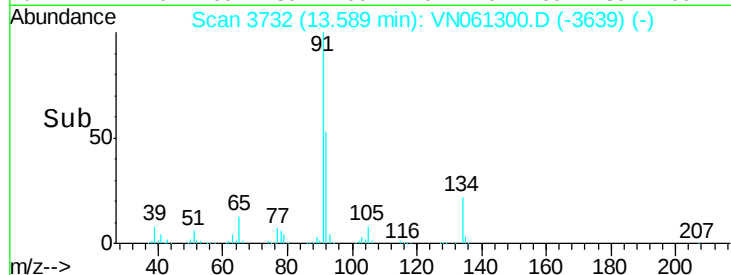
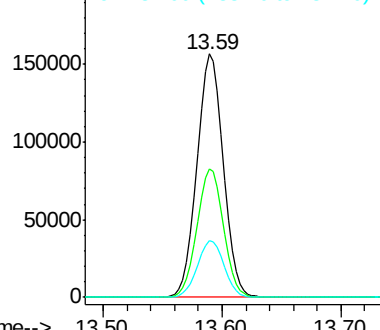
Tot Ion:	91	Resp:	240298
Ion Ratio		Lower	Upper
91	100		
92	53.1	26.8	80.3
134	23.6	11.9	35.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN061300.D (-3639) (-)



#90

Hexachloroethane

Concen: 62.575 ug/l

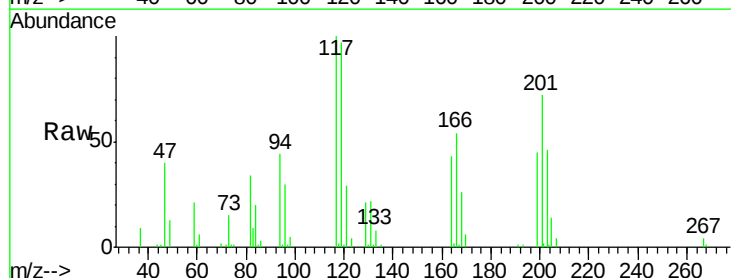
RT: 13.85 min Scan# 3813

Delta R.T. 0.00 min

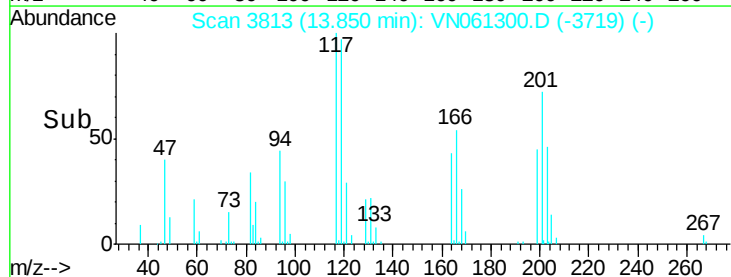
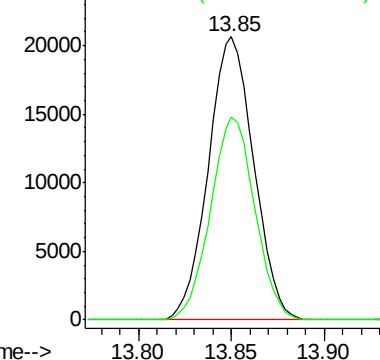
Lab File: VN061300.D

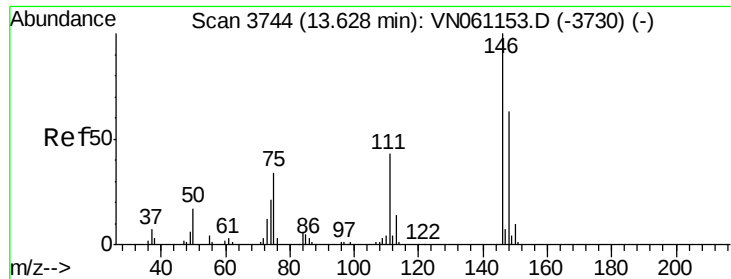
Acq: 5 May 2020 18:24

Tgt Ion:	117	Resp:	35073
Ion Ratio		Lower	Upper
117	100		
201	69.9	35.5	106.7



Abundance Ion 116.80 (116.50 to 117.50): VN061300.D (-3719) (-)





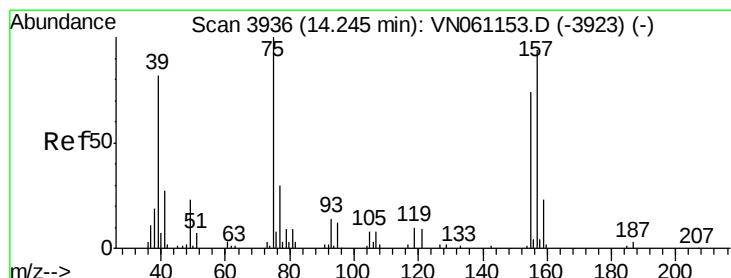
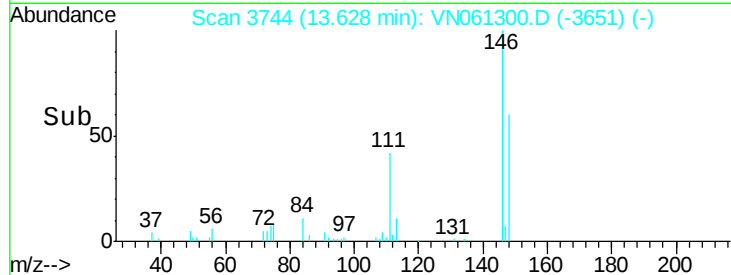
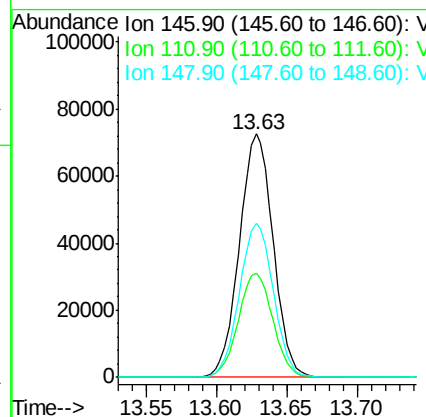
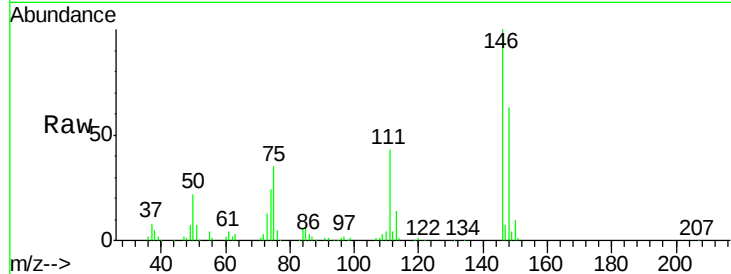
#91
 1,2-Dichlorobenzene
 Concen: 49.435 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. -0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	121857
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.8	65.3
148	63.5	31.6	95.0

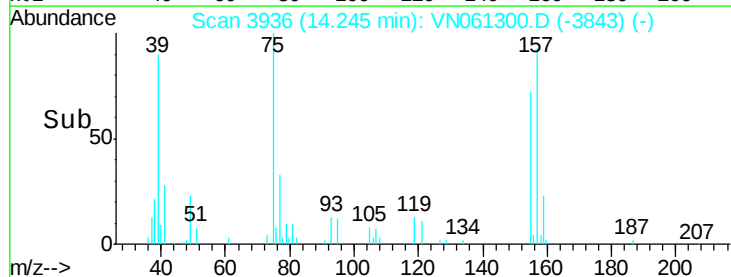
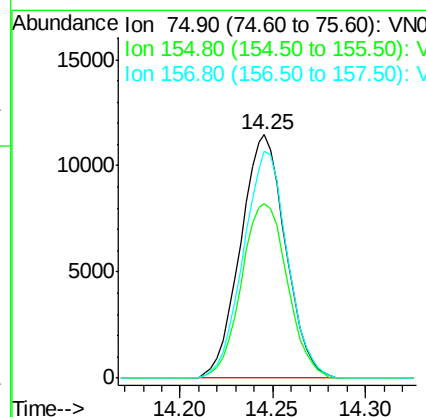
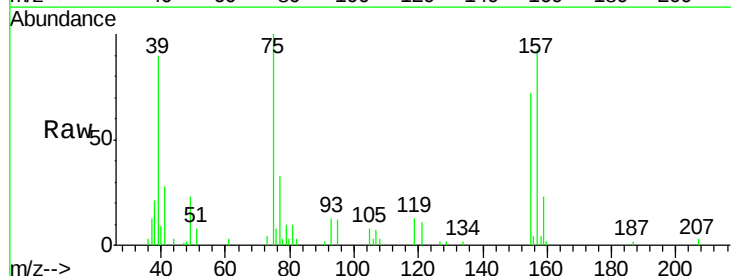
Manual Integrations
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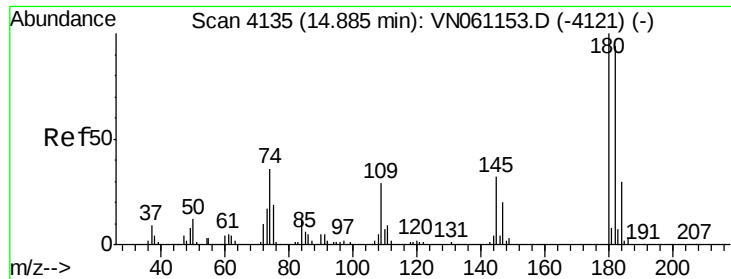
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 5/6/2020 11:38:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.478 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. -0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Tgt Ion:	75	Resp:	19313
Ion Ratio	Lower	Upper	
75	100		
155	72.8	36.5	109.7
157	91.1	46.6	139.7





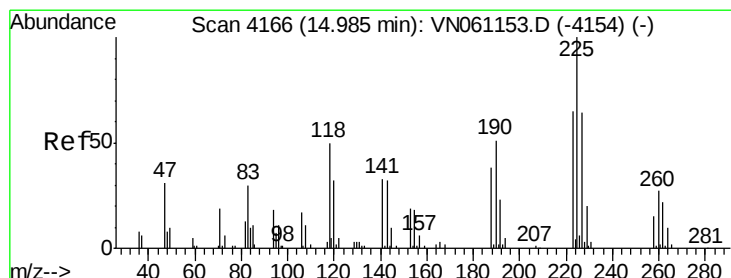
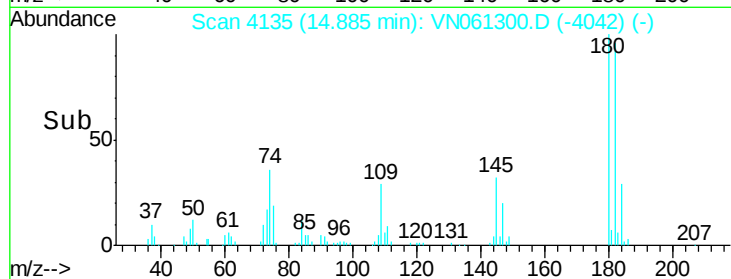
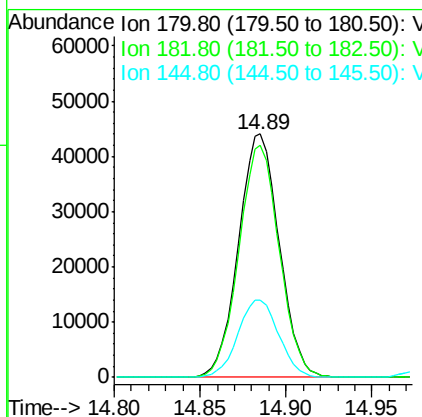
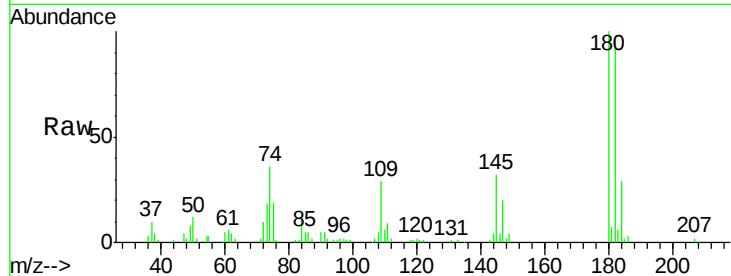
#93
 1,2,4-Trichlorobenzene
 Concen: 48.246 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. -0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.9
145	32.0	16.0	47.9

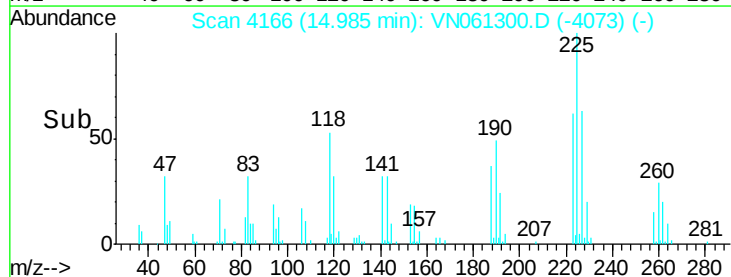
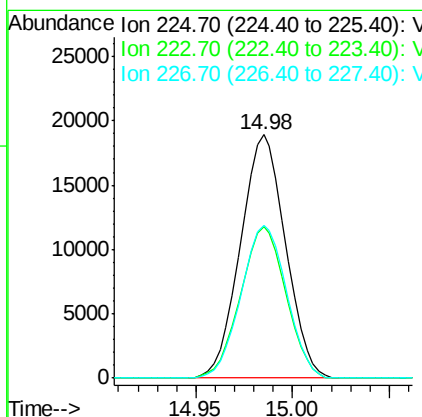
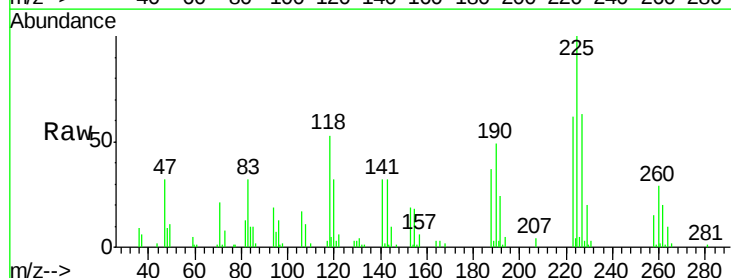
Manual Integrations
 APPROVED

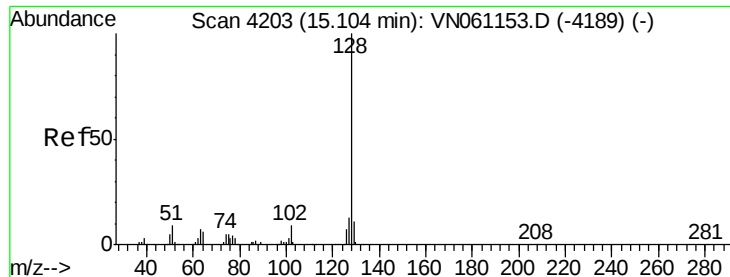
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 5/6/2020 11:38:04 AM



#94
 Hexachlorobutadiene
 Concen: 48.699 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061300.D
 Acq: 5 May 2020 18:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.4	97.0
227	63.4	32.4	97.0





#95

Naphthalene

Concen: 46.172 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Instrument :

MSVOA_N

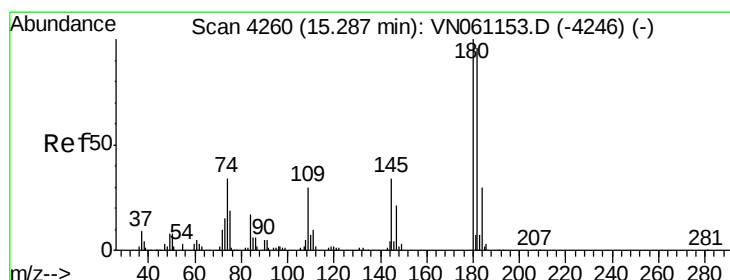
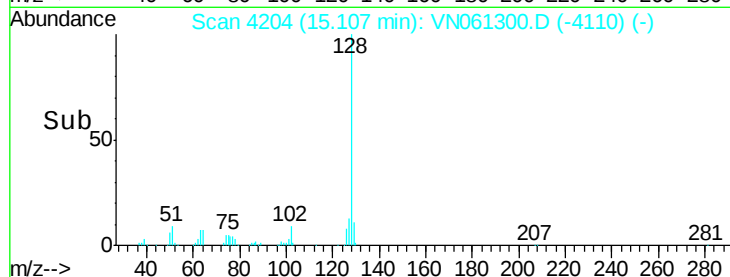
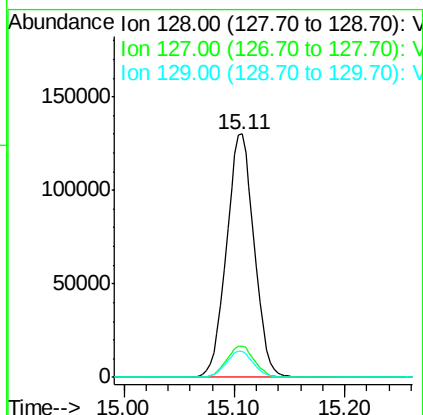
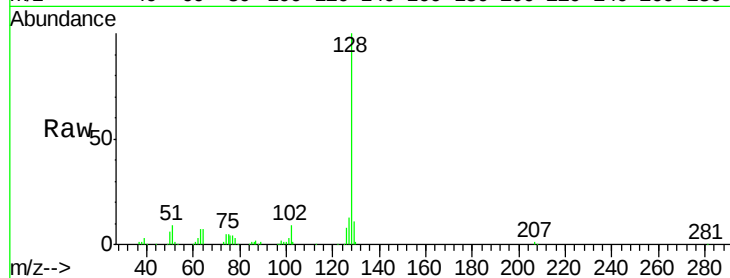
ClientSampled :

VSTDCCC050EC

Tot Ion:	128	Resp:	225711
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 47.987 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061300.D

Acq: 5 May 2020 18:24

Tgt Ion:	180	Resp:	71117
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.5	142.5
145	32.8	16.9	50.7

