

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060838.D
 Acq On : 2 Apr 2020 21:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/3/2020 12:06:32 PM

Quant Time: Apr 03 09:37:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	309411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	130798	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
35) Dibromofluoromethane	7.57	113	99847	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	10.08	98	392885	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.40	95	148421	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	82326	46.279	ug/l	100
3) Chloromethane	2.04	50	147426	44.374	ug/l	99
4) Vinyl Chloride	2.17	62	116495	44.829	ug/l	98
5) Bromomethane	2.54	94	55595	49.559	ug/l	98
6) Chloroethane	2.68	64	73171	48.881	ug/l	100
7) Trichlorofluoromethane	3.00	101	154493	48.262	ug/l	97
8) Diethyl Ether	3.38	74	66346	51.593	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92219	49.717	ug/l	99
10) Methyl Iodide	3.93	142	76232	46.187	ug/l	100
11) Tert butyl alcohol	4.72	59	100584	270.989	ug/l	100
12) 1,1-Dichloroethene	3.72	96	94800	47.626	ug/l	98
13) Acrolein	3.57	56	104976	255.186	ug/l	100
14) Allyl chloride	4.29	41	171957	49.118	ug/l	97
15) Acrylonitrile	4.94	53	303077	277.678	ug/l	99
16) Acetone	3.78	43	240149	268.627	ug/l	99
17) Carbon Disulfide	4.03	76	263707	43.561	ug/l	100
18) Methyl Acetate	4.28	43	143048	56.848	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	341607	49.916	ug/l	98
20) Methylene Chloride	4.52	84	109693	49.879	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	101152	47.681	ug/l	95
22) Diisopropyl ether	5.91	45	390593	52.810	ug/l	96
23) Vinyl Acetate	5.86	43	1628710	269.890	ug/l	99
24) 1,1-Dichloroethane	5.82	63	204538	50.728	ug/l	99
25) 2-Butanone	6.80	43	402543	278.264	ug/l	98
26) 2,2-Dichloropropane	6.79	77	147743	46.572	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	118688	49.233	ug/l	99
28) Bromochloromethane	7.17	49	100442	52.067	ug/l	98
29) Tetrahydrofuran	7.18	42	276150	269.798	ug/l	98
30) Chloroform	7.35	83	194706	50.372	ug/l	98
31) Cyclohexane	7.63	56	190269	46.808	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	167226	50.185	ug/l	99
36) 1,1-Dichloropropene	7.77	75	148913	49.703	ug/l	100
37) Ethyl Acetate	6.89	43	169995	52.511	ug/l	99
38) Carbon Tetrachloride	7.75	117	134130	49.951	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	177313	49.801	ug/l	98
40) Benzene	8.02	78	449358	49.684	ug/l	99
41) Methacrylonitrile	7.14	41	70922m	51.334	ug/l	
42) 1,2-Dichloroethane	8.10	62	157810	51.056	ug/l	99
43) Isopropyl Acetate	8.14	43	285038	53.388	ug/l	99
44) Trichloroethene	8.82	130	112975	49.551	ug/l	98
45) 1,2-Dichloropropane	9.10	63	124393	52.123	ug/l	98
46) Dibromomethane	9.19	93	73974	51.271	ug/l	99
47) Bromodichloromethane	9.39	83	155926	52.008	ug/l	98
48) Methyl methacrylate	9.18	41	126022	53.016	ug/l	98
49) 1,4-Dioxane	9.18	88	32461	1148.899	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	851973	280.430	ug/l	99
52) Toluene	10.14	92	273365	50.047	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	176690	51.305	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	189951	50.277	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	108083	51.434	ug/l	99
56) Ethyl methacrylate	10.42	69	177841	54.277	ug/l	98
57) 1,3-Dichloropropane	10.70	76	190675	52.289	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	408368	250.767	ug/l	99
59) 2-Hexanone	10.74	43	618677	282.695	ug/l	100
60) Dibromochloromethane	10.89	129	113502	52.290	ug/l	100
61) 1,2-Dibromoethane	10.99	107	109750	51.939	ug/l	100
64) Tetrachloroethene	10.62	164	103497	45.982	ug/l	98
65) Chlorobenzene	11.43	112	279526	49.297	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	104567	50.934	ug/l	98
67) Ethyl Benzene	11.50	91	529907	50.254	ug/l	100
68) m/p-Xylenes	11.62	106	388454	99.135	ug/l	99
69) o-Xylene	11.94	106	187084	50.014	ug/l	98
70) Styrene	11.96	104	312480	51.077	ug/l	99
71) Bromoform	12.12	173	83883	49.189	ug/l #	99
73) Isopropylbenzene	12.24	105	506650	47.622	ug/l	99
74) N-amyl acetate	12.06	43	248404	50.528	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	161516	50.202	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	147628m	48.260	ug/l	
77) Bromobenzene	12.52	156	120835	47.134	ug/l	100
78) n-propylbenzene	12.59	91	601892	47.886	ug/l	99
79) 2-Chlorotoluene	12.67	91	355685	47.361	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	427934	47.398	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	56723	47.624	ug/l	99
82) 4-Chlorotoluene	12.77	91	364431	47.644	ug/l	99
83) tert-Butylbenzene	12.99	119	360953	48.228	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	431524	48.312	ug/l	100
85) sec-Butylbenzene	13.17	105	496573	49.340	ug/l	99
86) p-Isopropyltoluene	13.28	119	444447	49.110	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	217532	48.111	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	219838	48.394	ug/l	99
89) n-Butylbenzene	13.61	91	411521	50.364	ug/l	100
90) Hexachloroethane	13.87	117	69837	53.088	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	215026	49.735	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33338	49.469	ug/l	98

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QLast Update : Wed Mar 18 08:49:09 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	134715	50.740	ug/l	99
94) Hexachlorobutadiene	15.01	225	66368	50.992	ug/l	99
95) Naphthalene	15.13	128	391950	49.082	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128287	49.056	ug/l	99

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

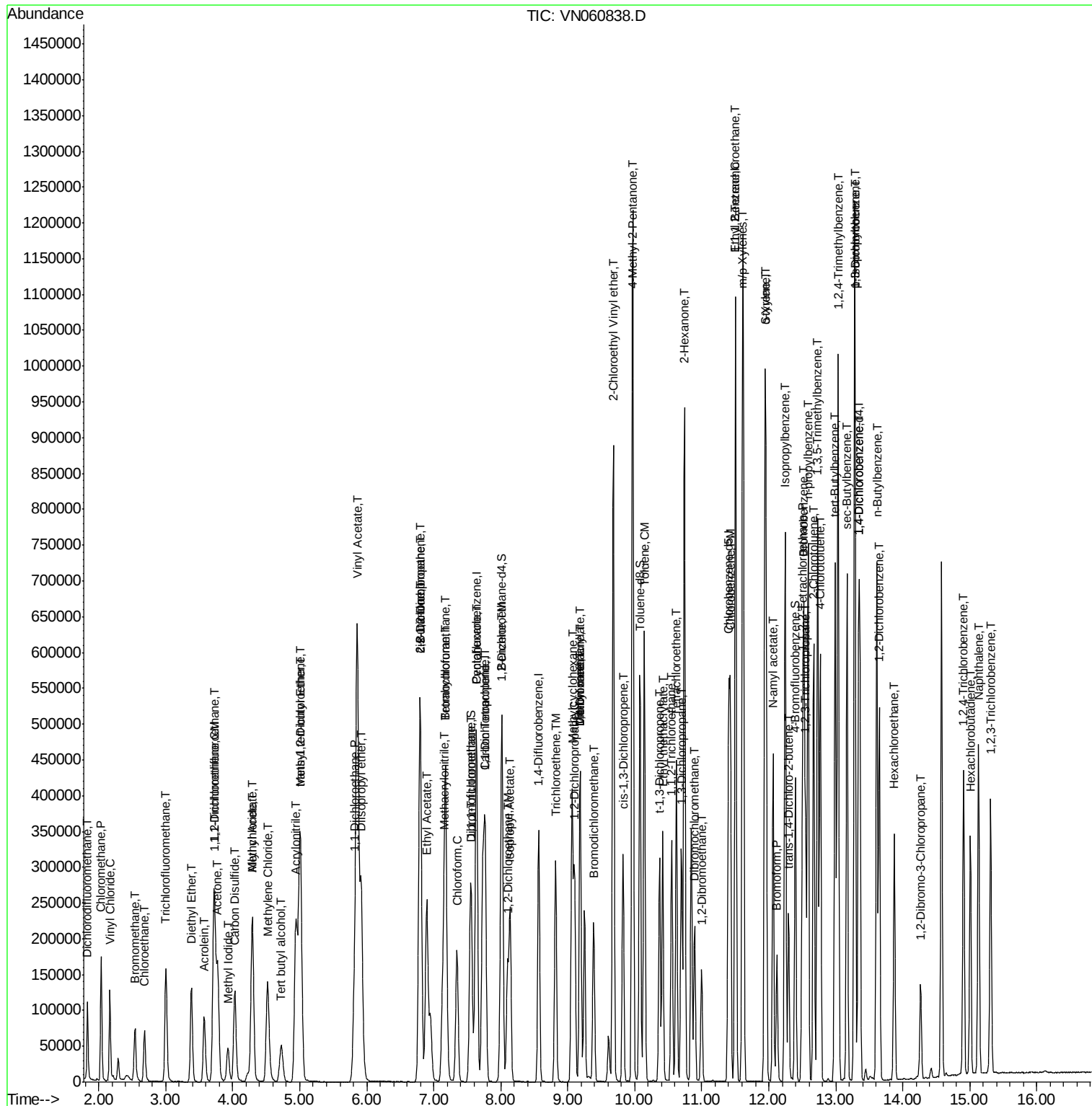
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040220\
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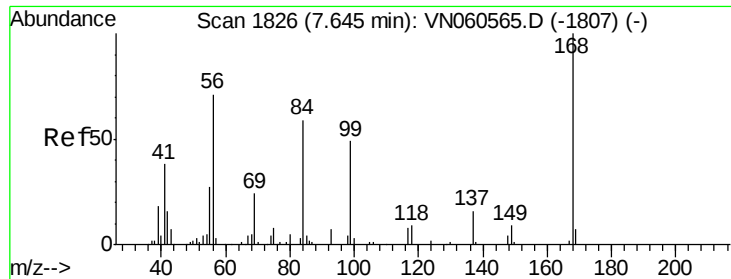
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 183848

Ion Ratio Lower Upper

168 100

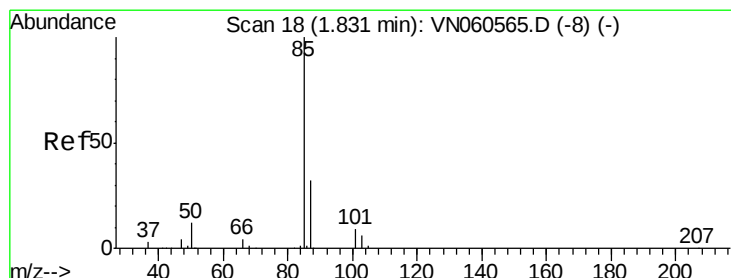
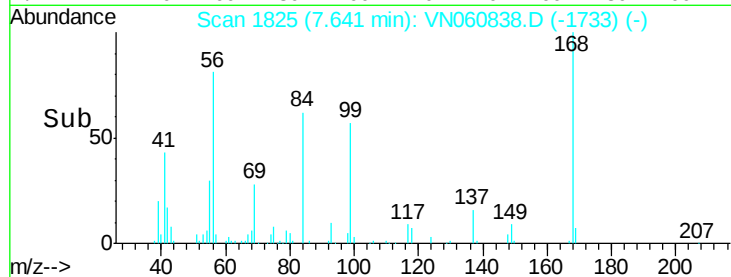
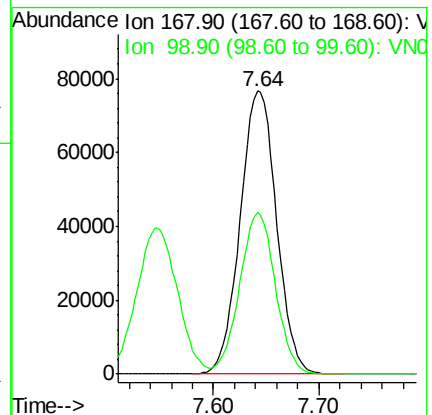
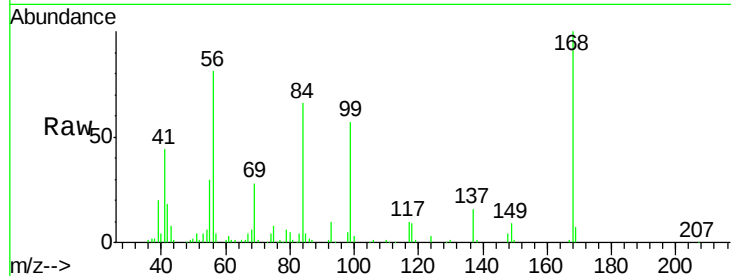
99 57.2 44.0 66.0

Manual Integrations

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4/3/2020 12:06:32 PM



#2

Dichlorodifluoromethane

Concen: 46.279 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060838.D

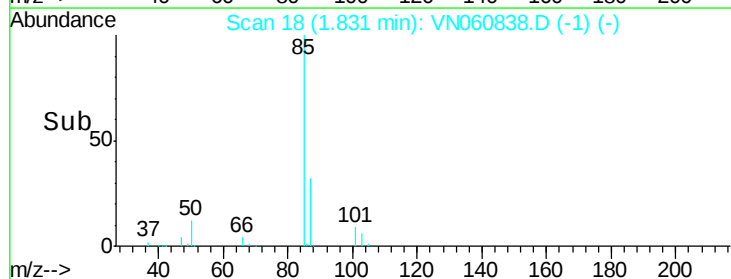
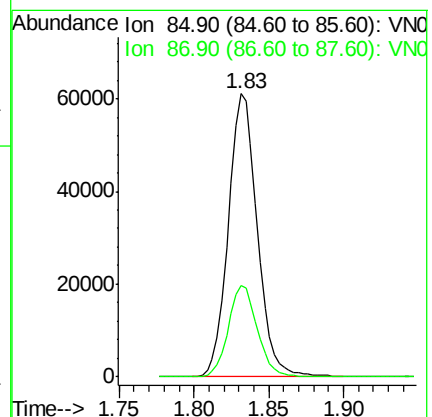
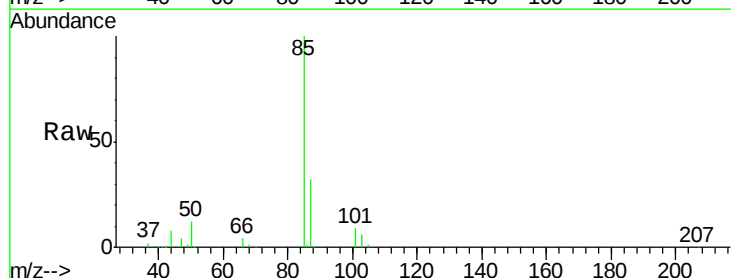
Acq: 2 Apr 2020 21:36

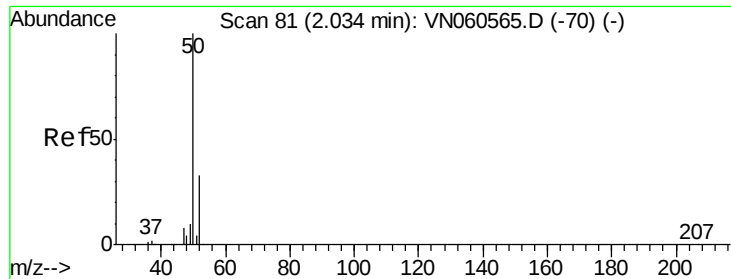
Tgt Ion: 85 Resp: 82326

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5





#3

Chloromethane

Concen: 44.374 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 147426

Ion Ratio Lower Upper

50 100

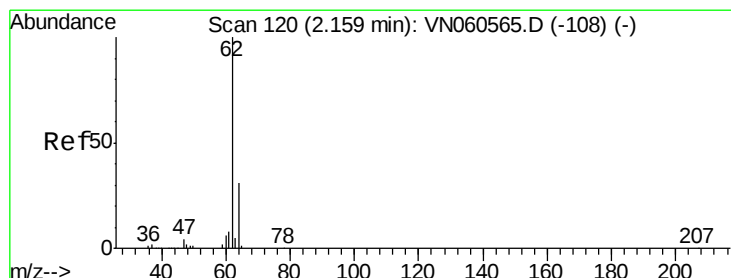
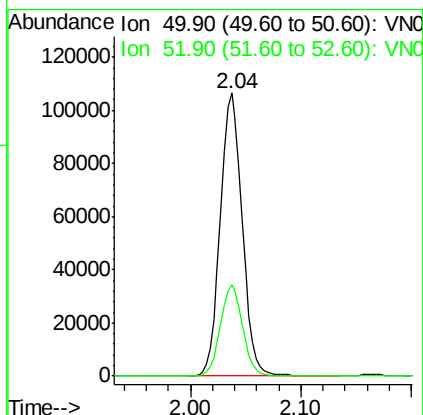
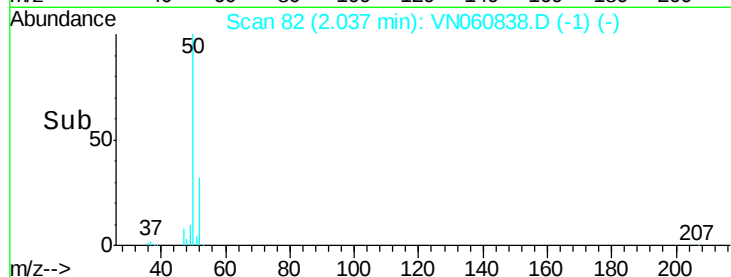
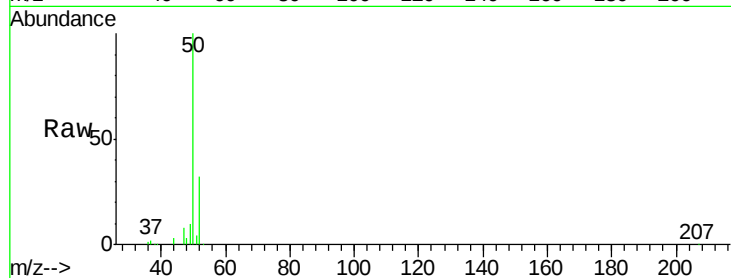
52 32.4 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.829 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060838.D

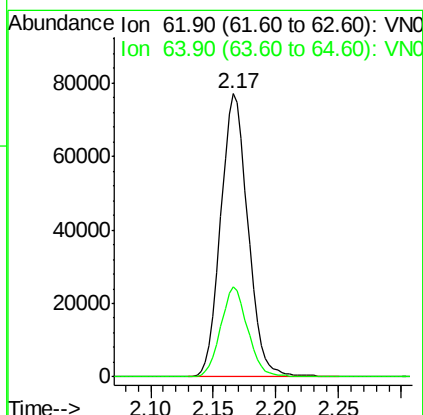
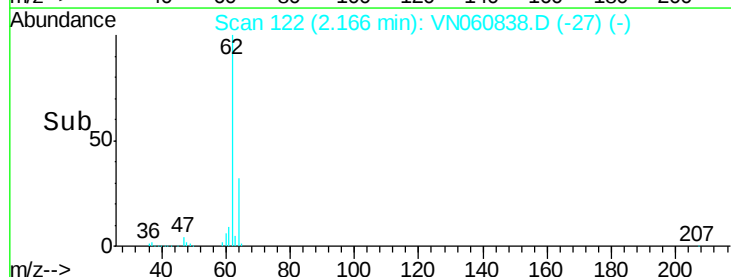
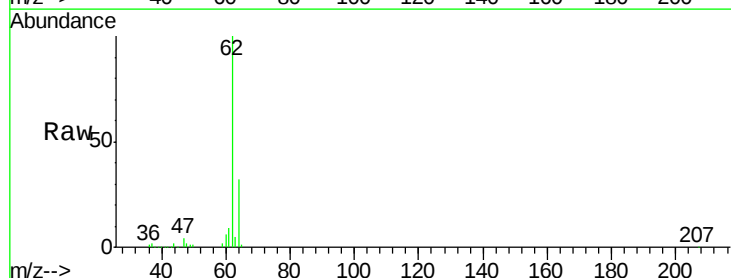
Acq: 2 Apr 2020 21:36

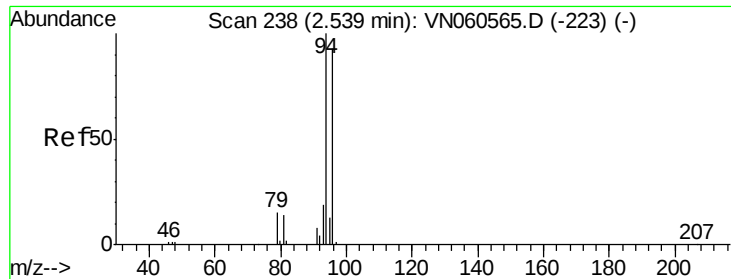
Tgt Ion: 62 Resp: 116495

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1





#5

Bromomethane

Concen: 49.559 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 55595

Ion Ratio Lower Upper

94 100

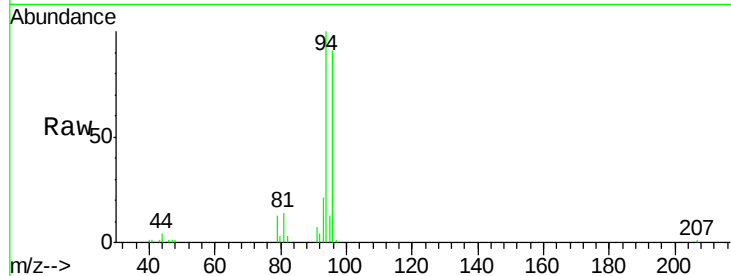
96 91.1 74.6 112.0

Manual Integrations

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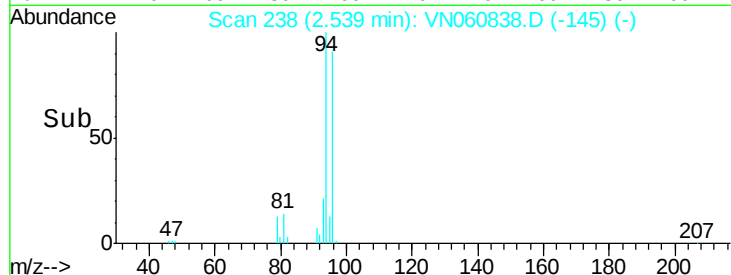


Abundance Ion 93.90 (93.60 to 94.60): VN060838.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060838.D (-145) (-)

2.54

Time-->



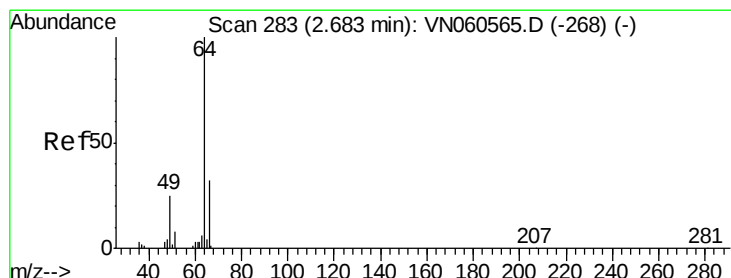
Abundance

Ion 93.90 (93.60 to 94.60): VN060838.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060838.D (-145) (-)

2.54

Time-->



#6

Chloroethane

Concen: 48.881 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060838.D

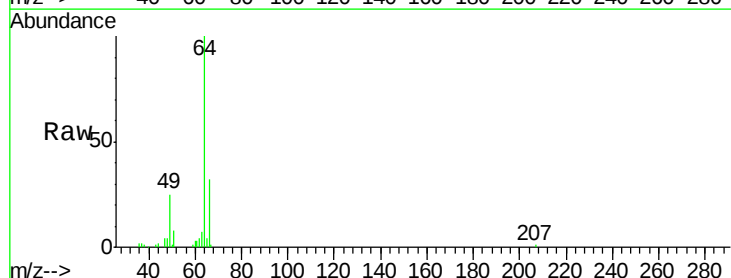
Acq: 2 Apr 2020 21:36

Tgt Ion: 64 Resp: 73171

Ion Ratio Lower Upper

64 100

66 31.8 25.3 37.9

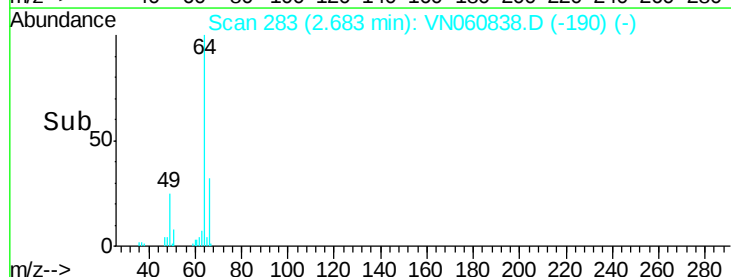


Abundance Ion 63.90 (63.60 to 64.60): VN060838.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060838.D (-190) (-)

2.68

Time-->



Abundance

Ion 63.90 (63.60 to 64.60): VN060838.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060838.D (-190) (-)

2.68

Time-->



#7

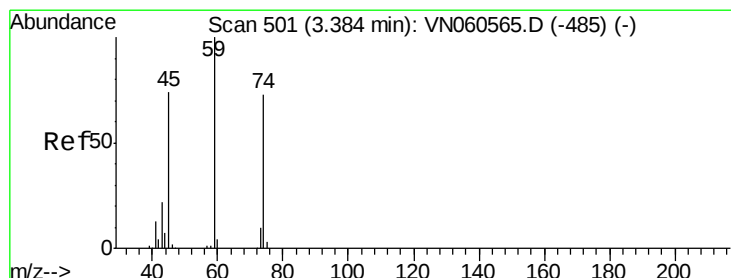
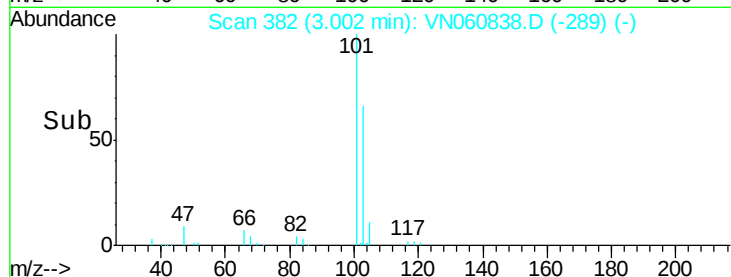
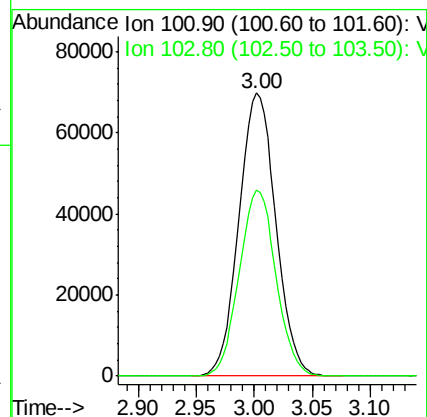
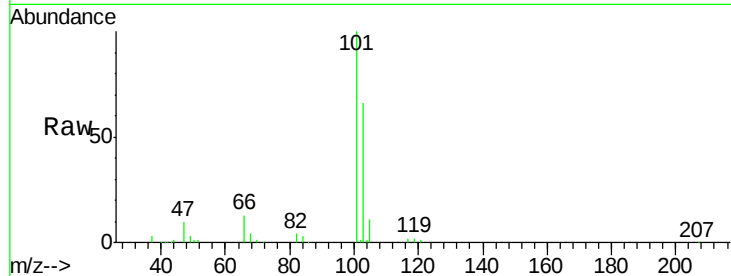
Trichlorofluoromethane
Concen: 48.262 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.6	76.0

Manual Integrations
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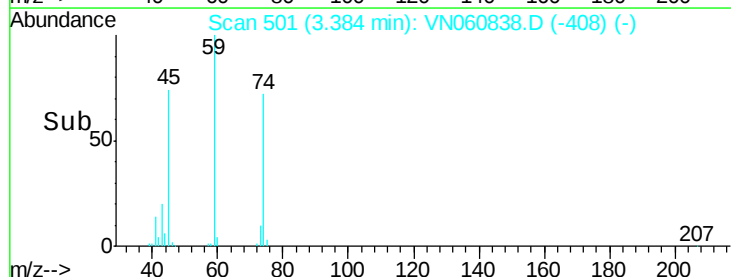
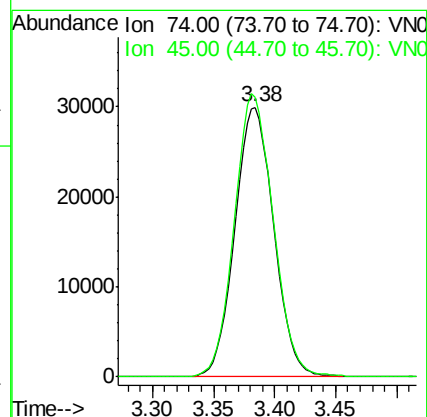
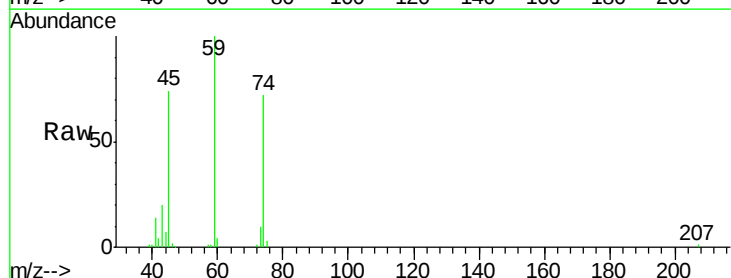
MMDadoda
4/3/2020 12:06:32 PM



#8

Diethyl Ether
Concen: 51.593 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.717 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060838.D

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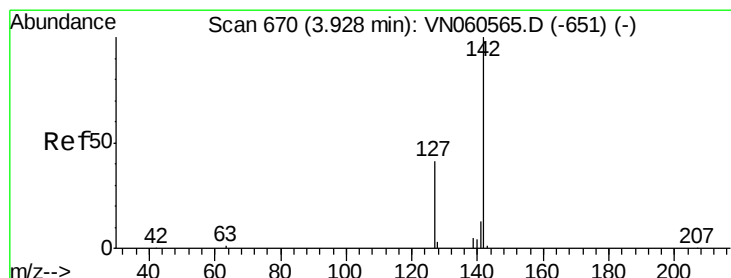
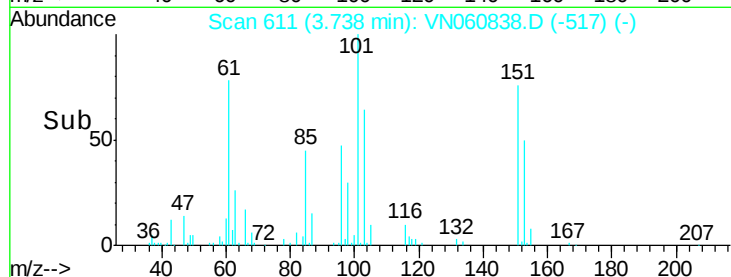
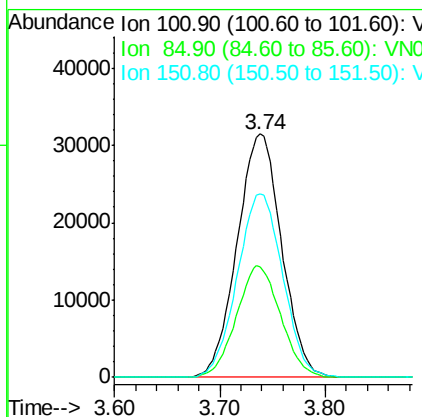
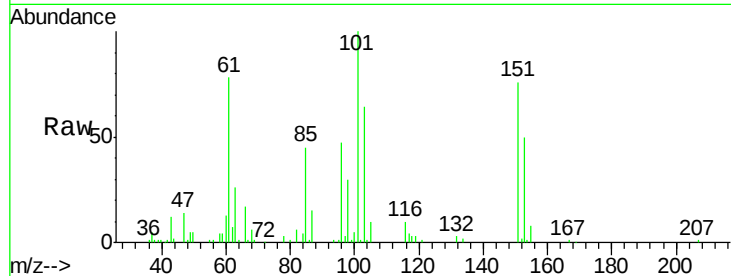
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	92219
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.6	53.4
151	77.1	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 46.187 ug/l

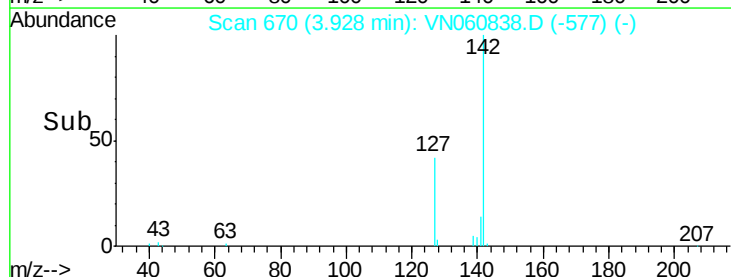
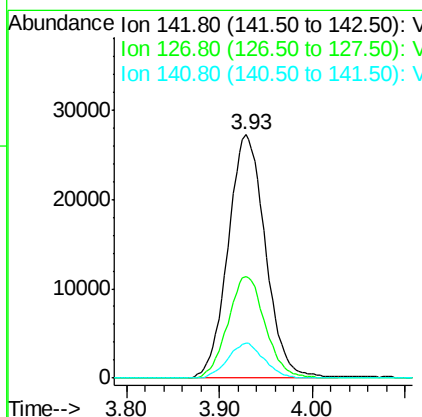
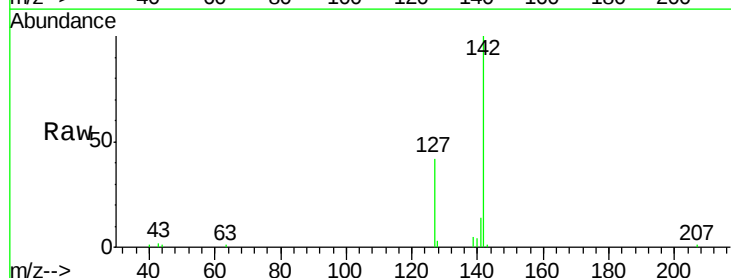
RT: 3.93 min Scan# 670

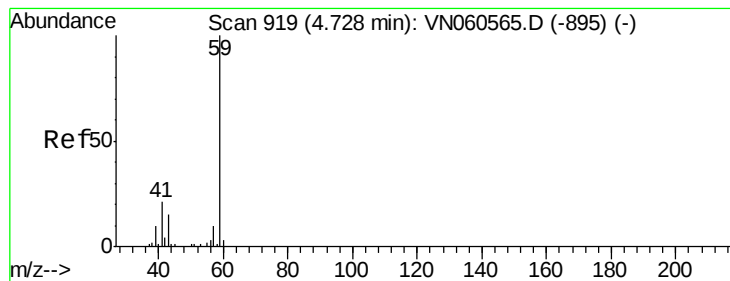
Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Tgt Ion:	142	Resp:	76232
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.5	50.3
141	13.8	11.0	16.6





#11

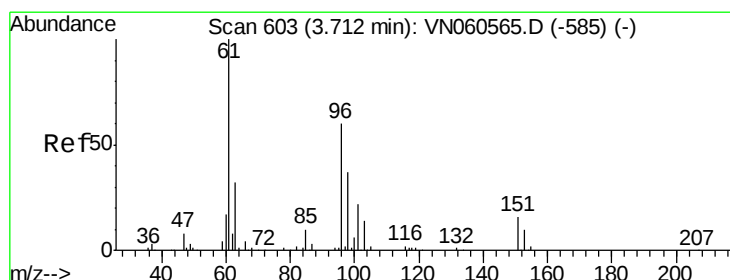
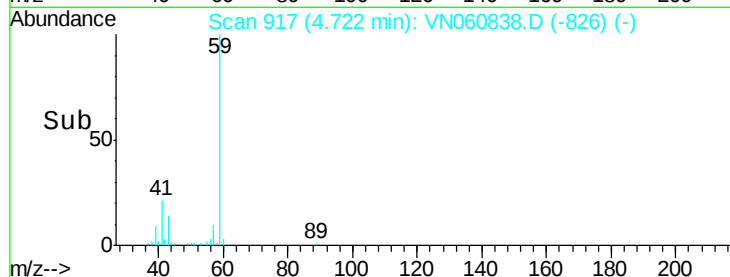
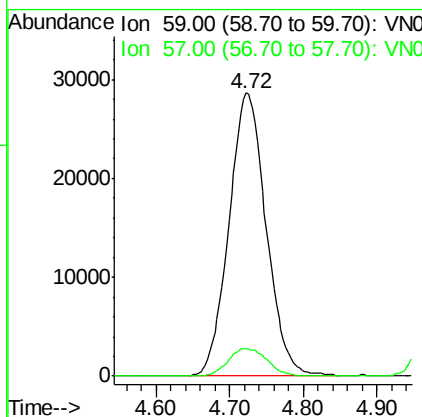
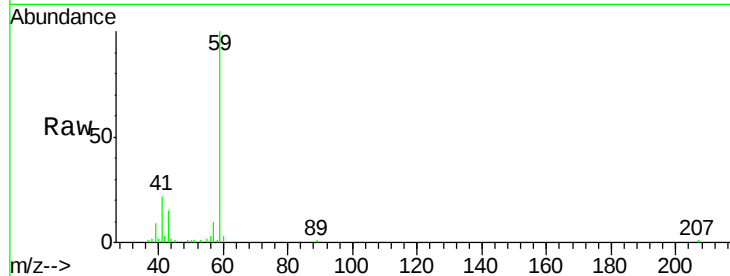
Tert butyl alcohol
Concen: 270.989 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	100584
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.4

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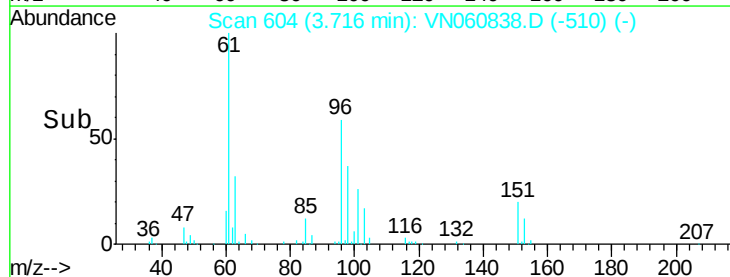
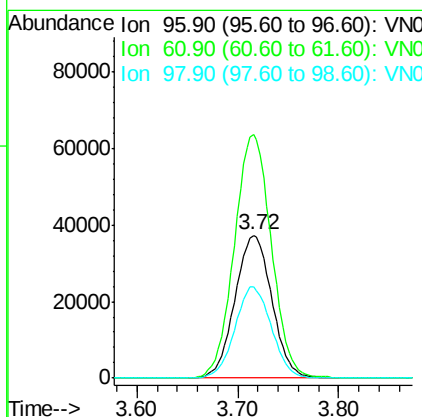
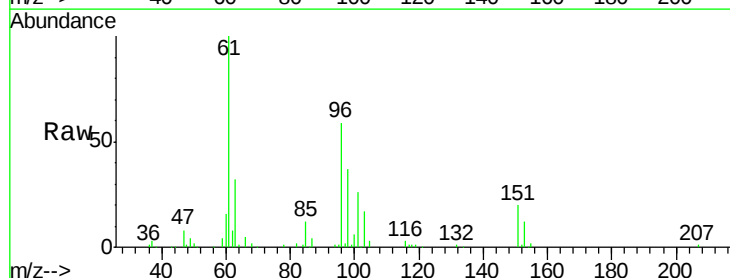
MMDadoda
4/3/2020 12:06:32 PM



#12

1,1-Dichloroethene
Concen: 47.626 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	96	Resp	94800
Ion Ratio	100	Lower	Upper
61	170.3	134.1	201.1
98	63.7	49.9	74.9





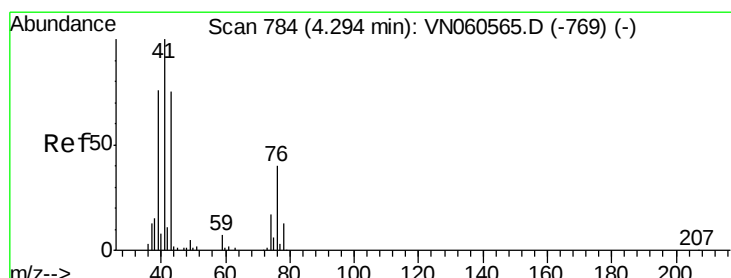
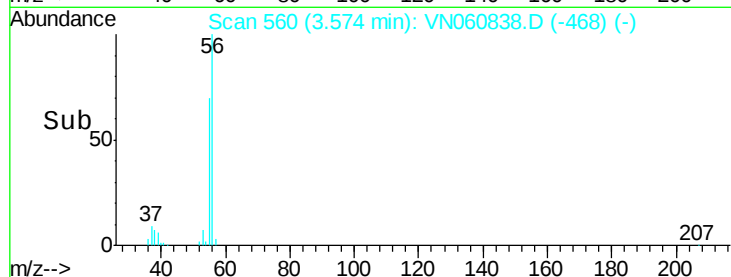
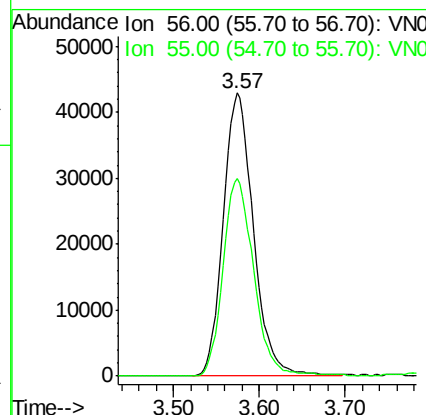
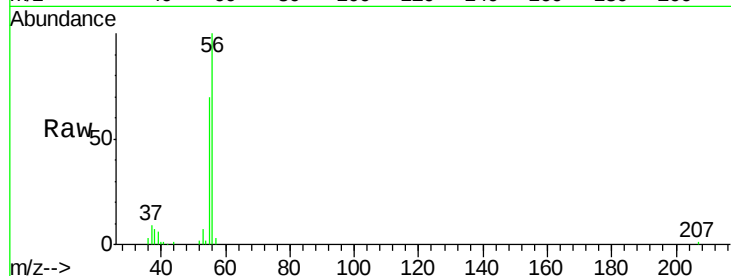
#13
Acrolein
Concen: 255.186 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	104976
Ion Ratio	Lower	Upper	
56	100		
55	71.0	56.7	85.1

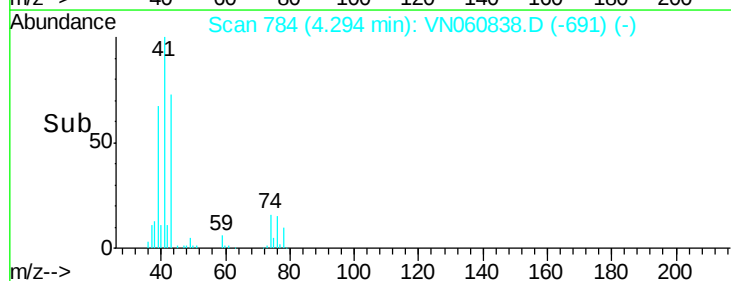
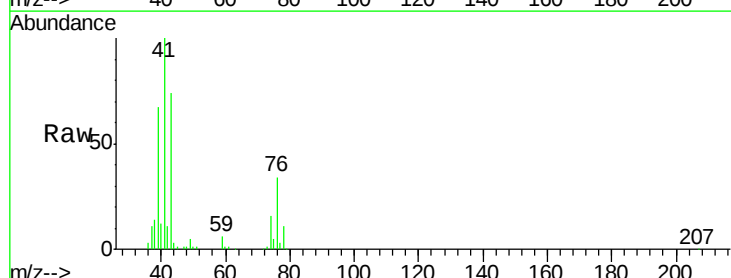
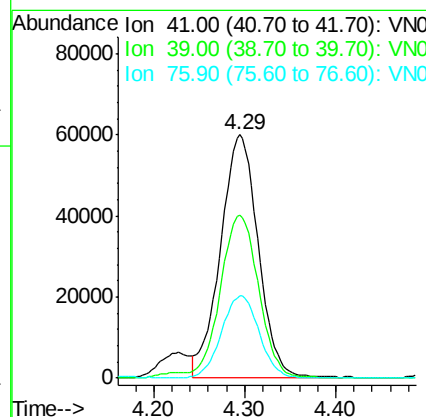
Manual Integrations
APPROVED

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#14
Allyl chloride
Concen: 49.118 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	41	Resp	171957
Ion Ratio	Lower	Upper	
41	100		
39	70.1	57.8	86.8
76	34.1	28.6	43.0





#15

Acrylonitrile

Concen: 277.678 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

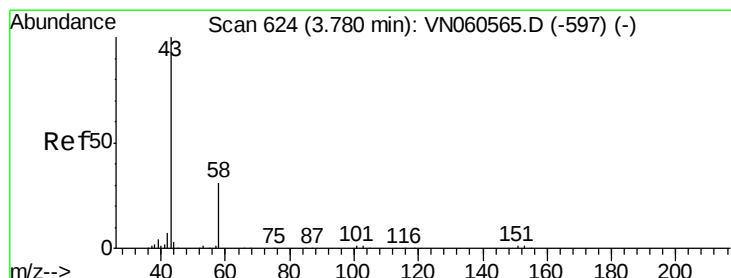
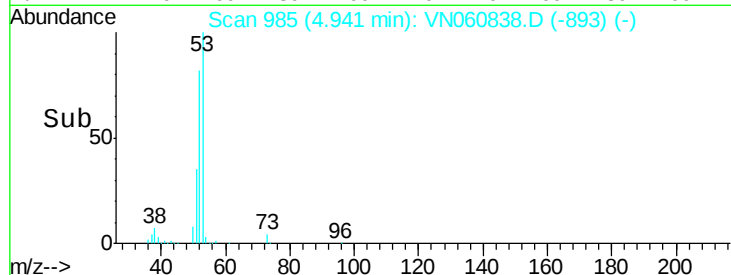
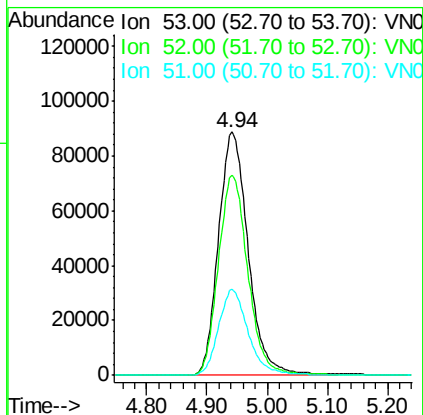
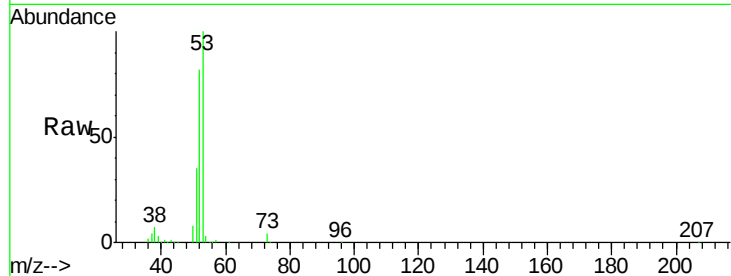
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	303077
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.2	99.4
51	35.5	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 268.627 ug/l

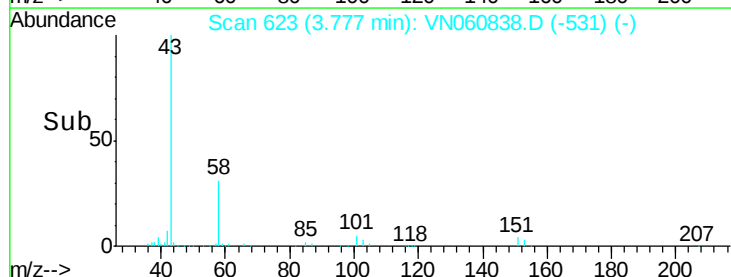
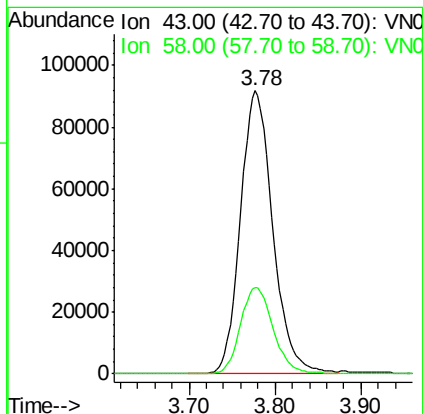
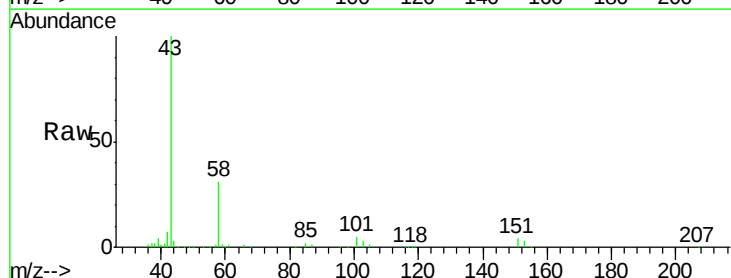
RT: 3.78 min Scan# 623

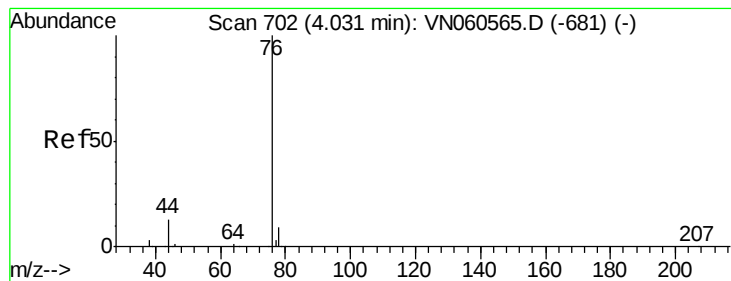
Delta R.T. -0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Tgt Ion:	43	Resp:	240149
Ion Ratio	Lower	Upper	
43	100		
58	30.6	25.1	37.7





#17

Carbon Disulfide

Concen: 43.561 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 263707

Ion Ratio Lower Upper

76 100

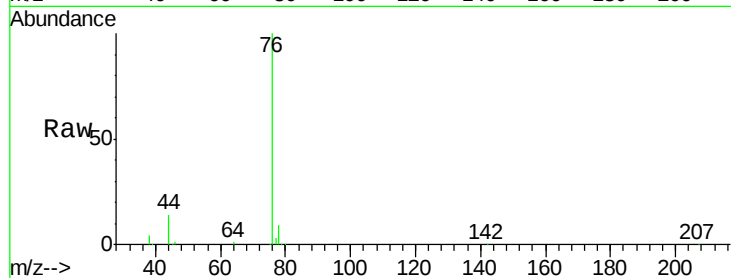
78 9.2 7.2 10.8

Manual Integrations

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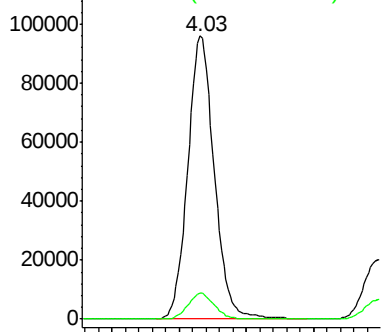
MMDadoda

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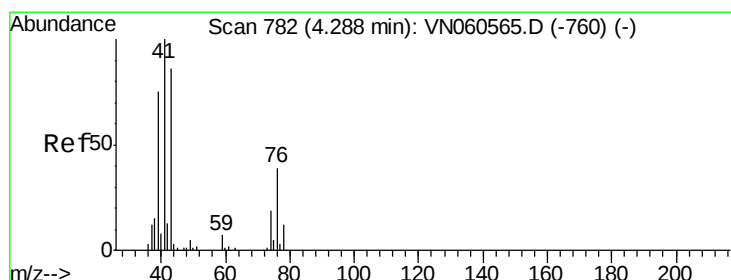
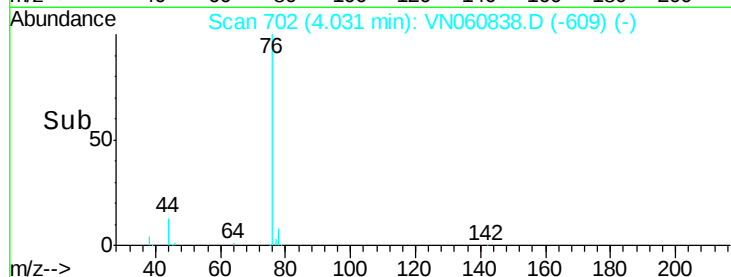


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#18

Methyl Acetate

Concen: 56.848 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060838.D

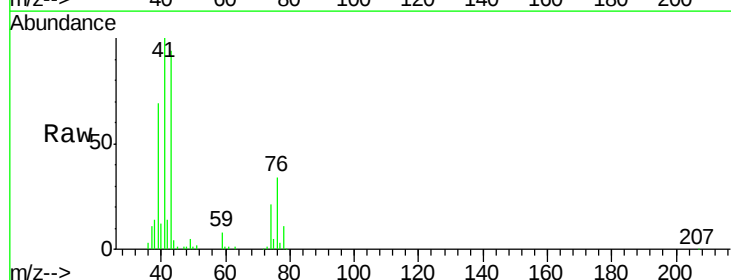
Acq: 2 Apr 2020 21:36

Tgt Ion: 43 Resp: 143048

Ion Ratio Lower Upper

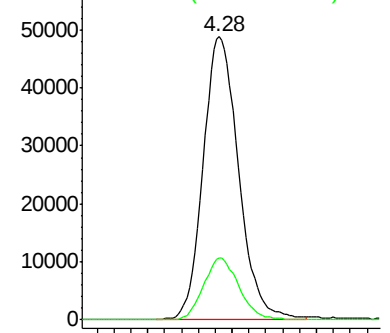
43 100

74 21.8 17.5 26.3

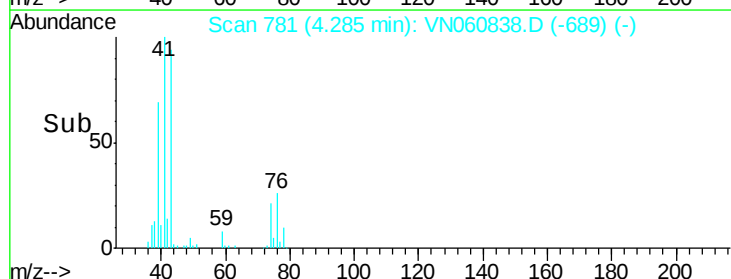


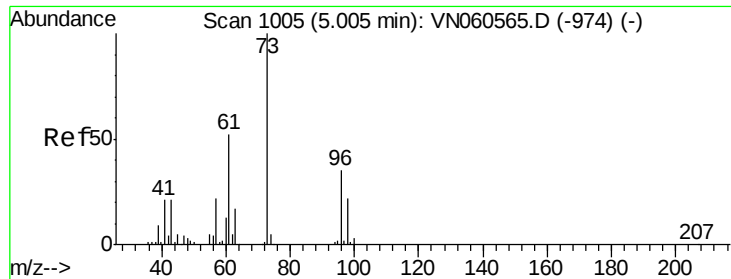
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



Time-->





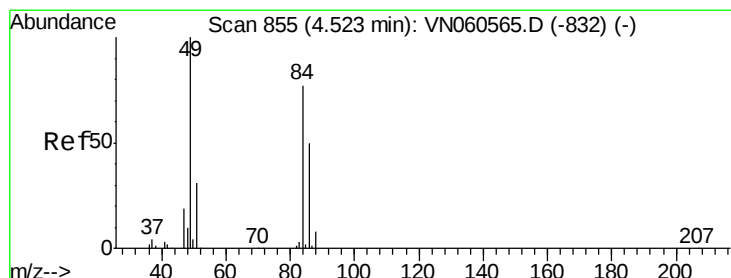
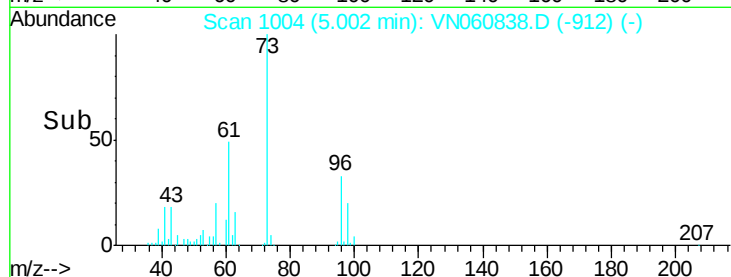
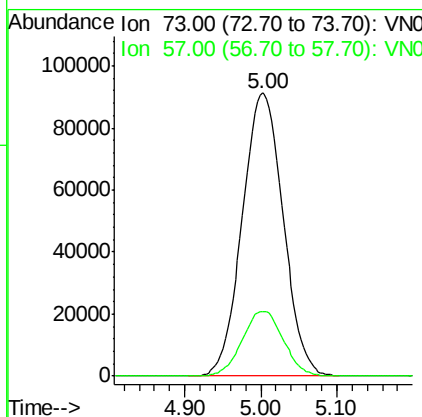
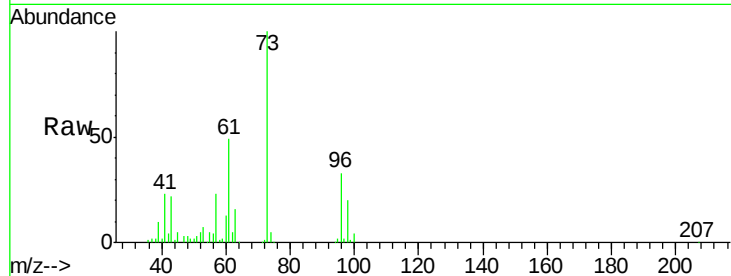
#19
Methvl tert-butvl Ether
Concen: 49.916 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 341607
Ion Ratio Lower Upper
73 100
57 23.0 17.5 26.3

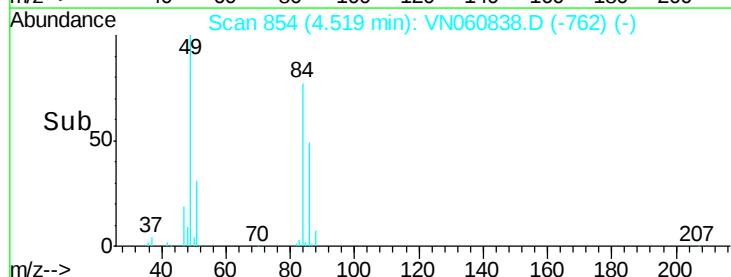
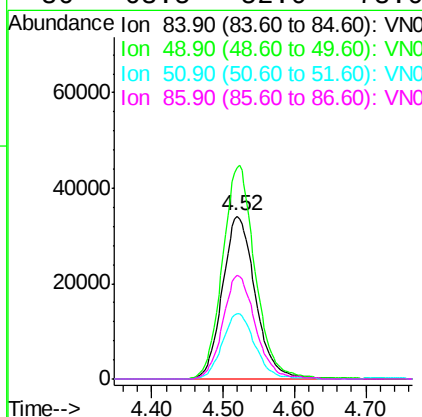
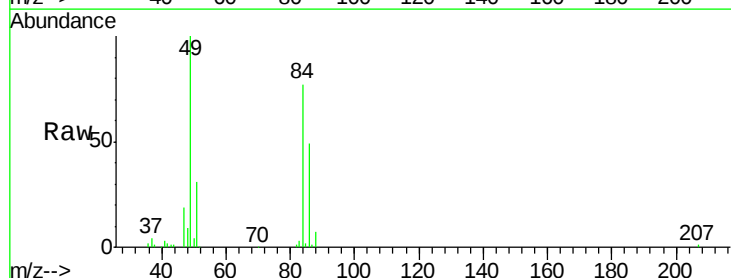
Manual Integrations
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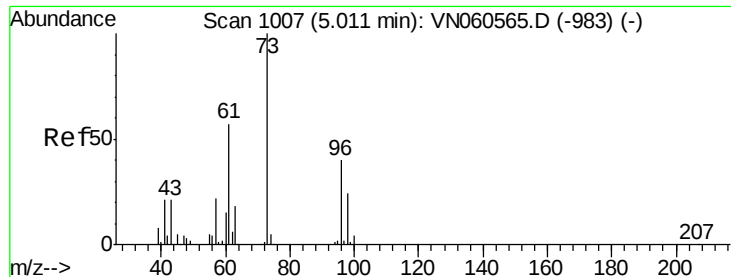
MMDadoda
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#20
Methylene Chloride
Concen: 49.879 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion: 84 Resp: 109693
Ion Ratio Lower Upper
84 100
49 129.8 103.3 154.9
51 40.1 31.6 47.4
86 63.5 52.0 78.0





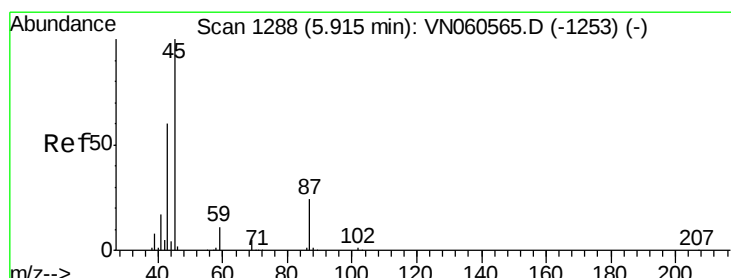
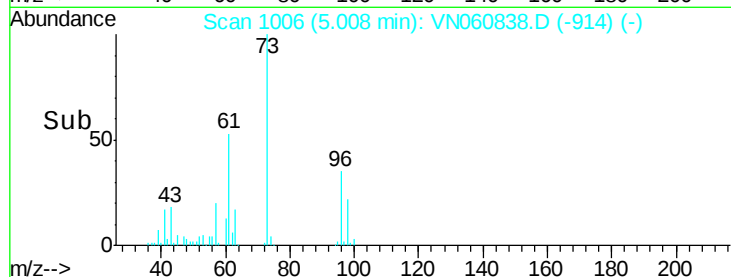
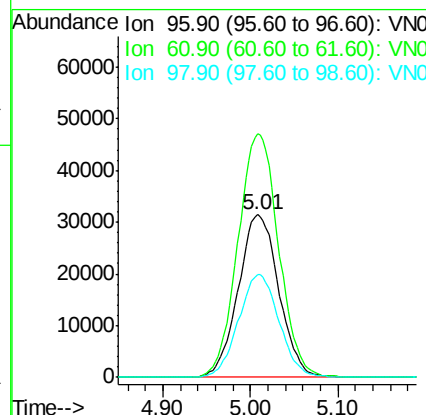
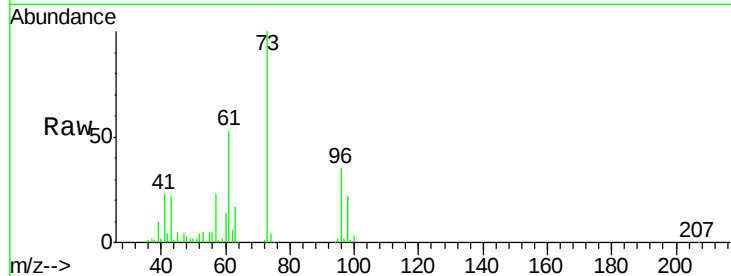
#21
trans-1,2-Dichloroethene
Concen: 47.681 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	114.4	171.6
98	63.6	48.4	72.6

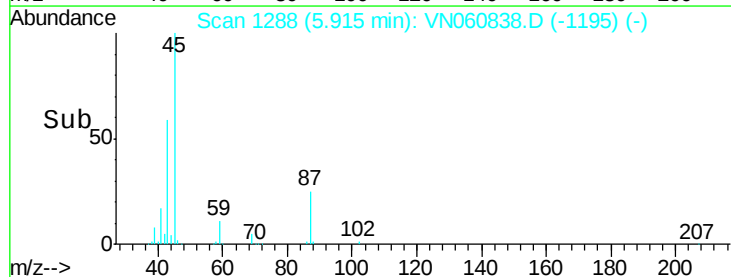
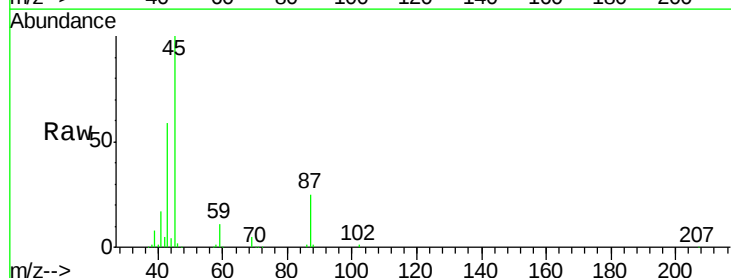
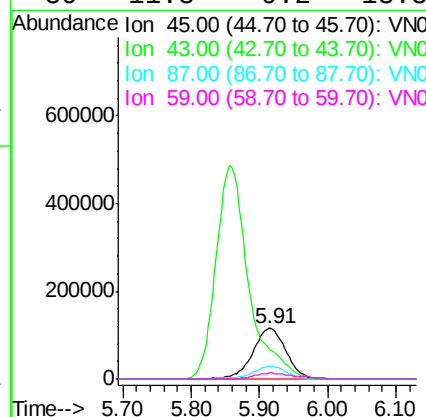
Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:32 PM



#22
Diisopropyl ether
Concen: 52.810 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	49.8	74.8
87	24.8	20.1	30.1
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 269.890 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1628710

Ion Ratio Lower Upper

43 100

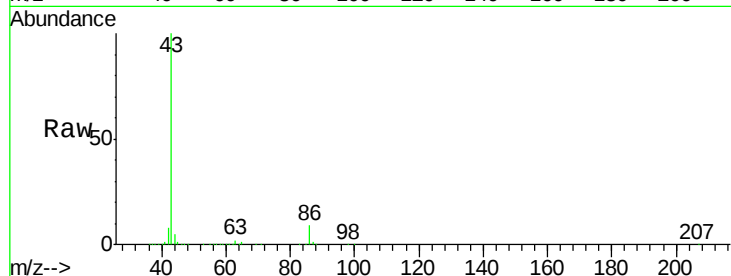
86 9.1 7.6 11.4

Manual Integrations

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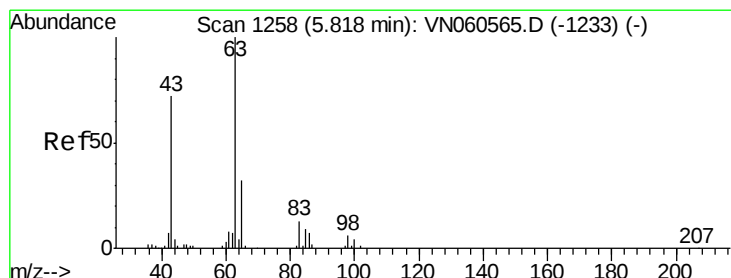
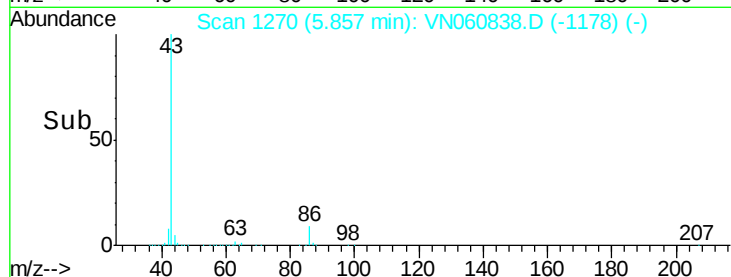
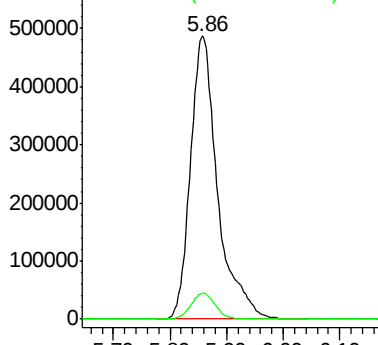
MMDadoda

4/3/2020 12:06:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.728 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

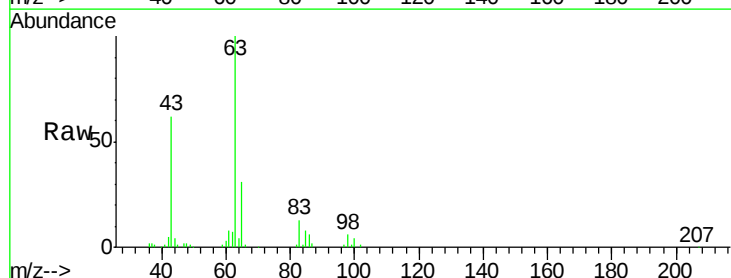
Tgt Ion: 63 Resp: 204538

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

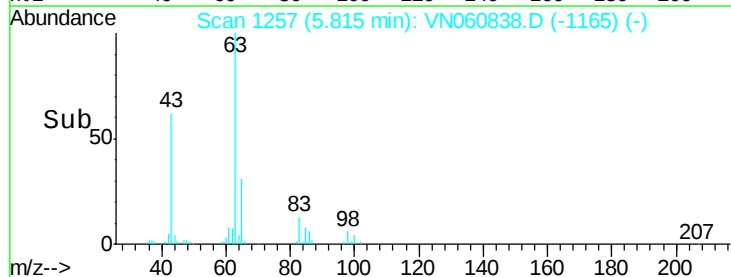
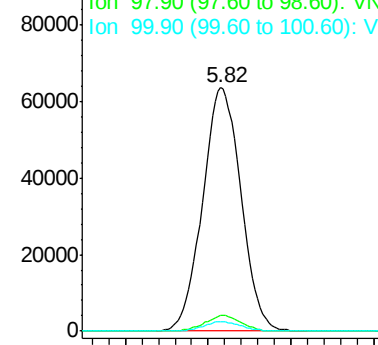
100 3.7 1.8 5.5

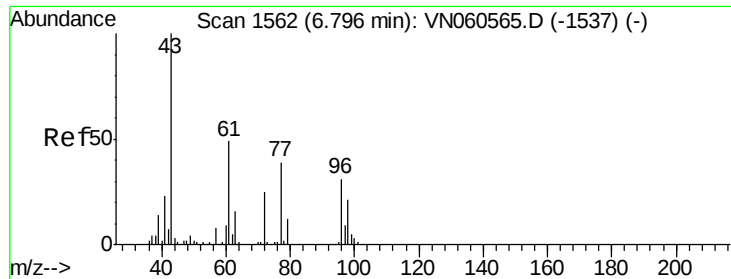


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





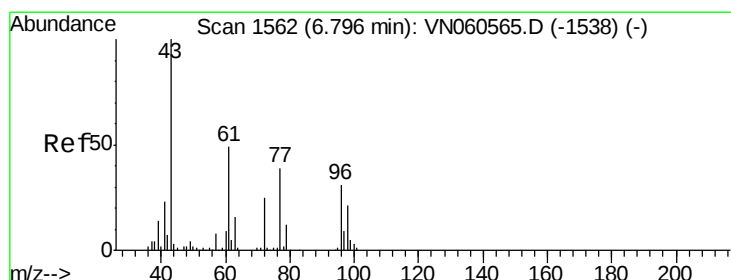
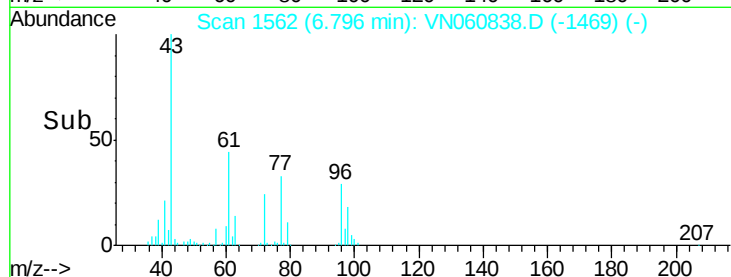
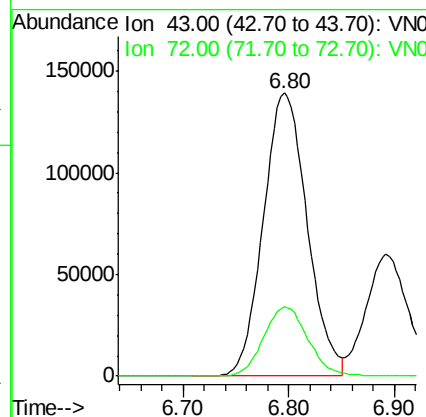
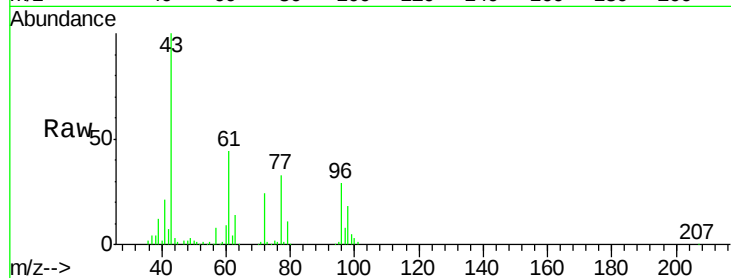
#25
2-Butanone
Concen: 278.264 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 402543
Ion Ratio Lower Upper
43 100
72 24.5 20.4 30.6

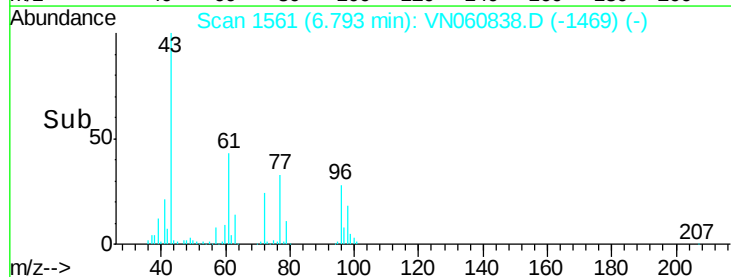
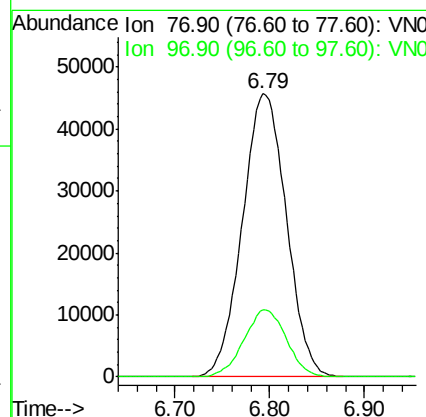
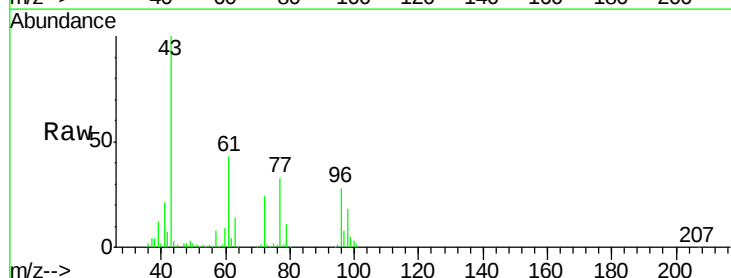
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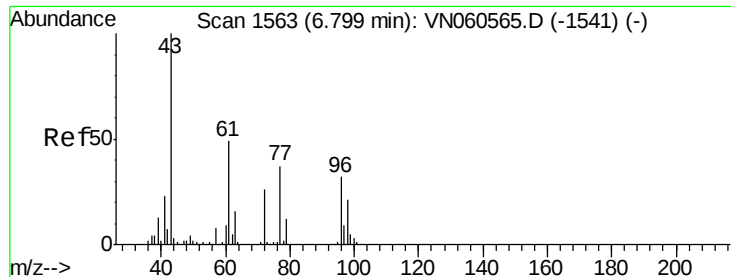
MMDadoda
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#26
2,2-Dichloropropane
Concen: 46.572 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion: 77 Resp: 147743
Ion Ratio Lower Upper
77 100
97 22.9 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 49.233 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

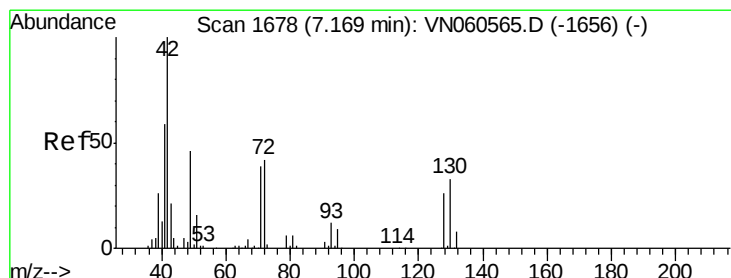
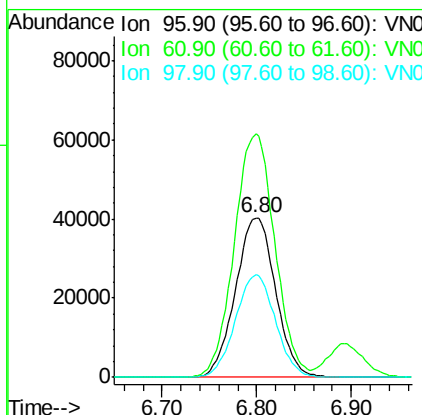
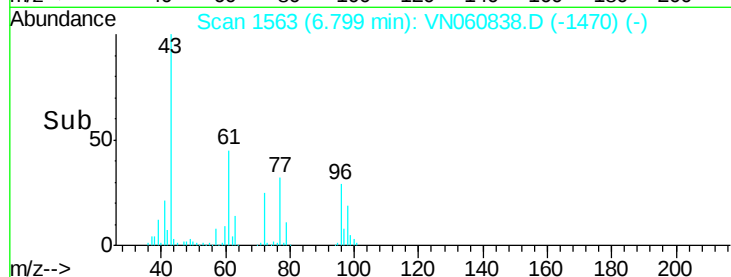
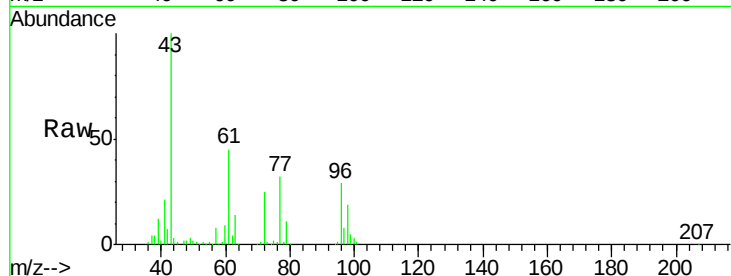
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	118688
Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	305.6
98	64.3	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 52.067 ug/l

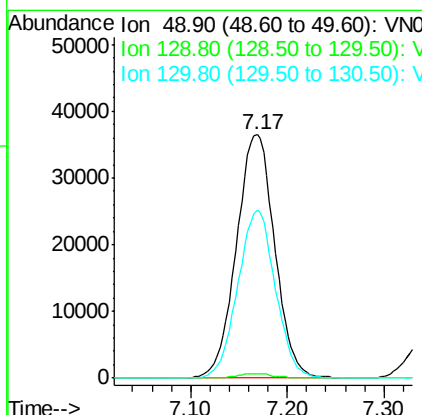
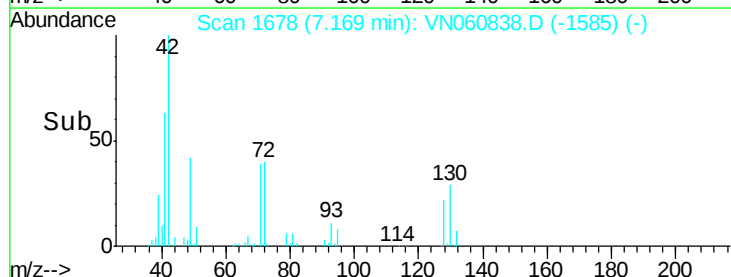
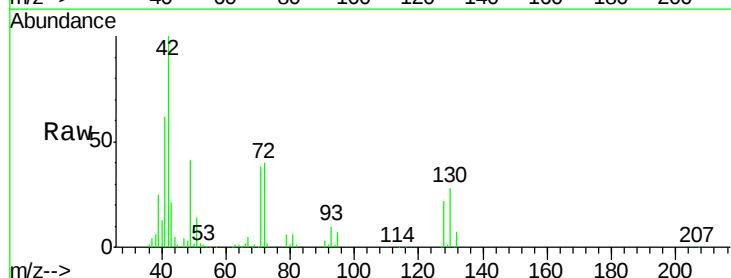
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Tgt Ion:	49	Resp:	100442
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	67.4	55.0	82.4





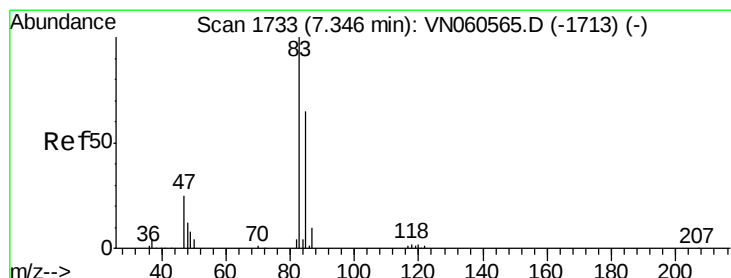
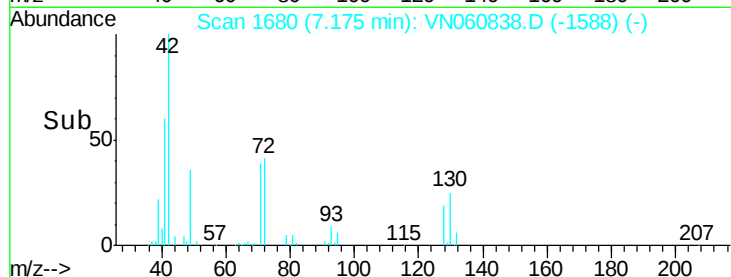
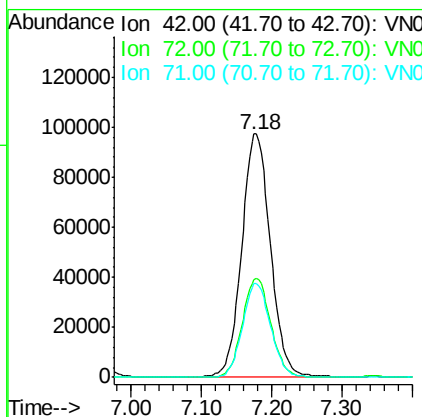
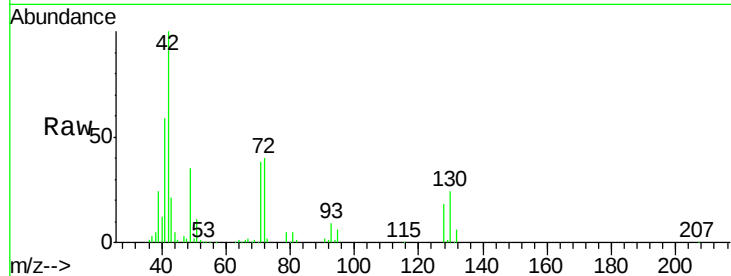
#29
Tetrahydrofuran
Concen: 269.798 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.2	49.8
71	37.8	31.1	46.7

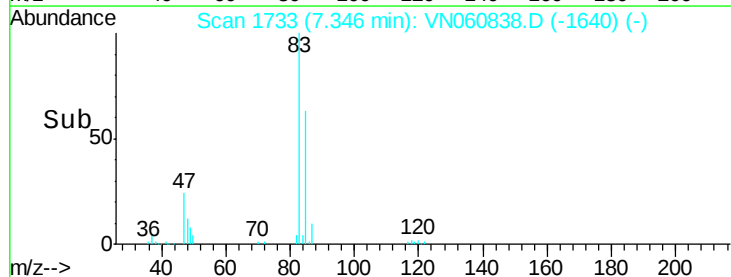
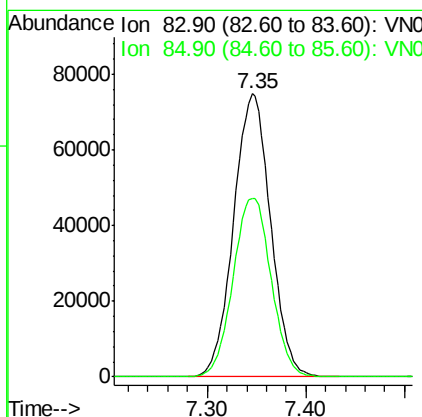
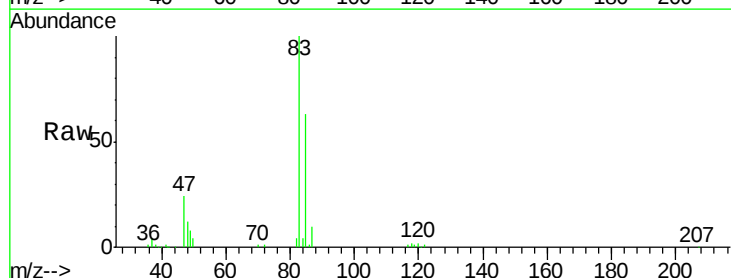
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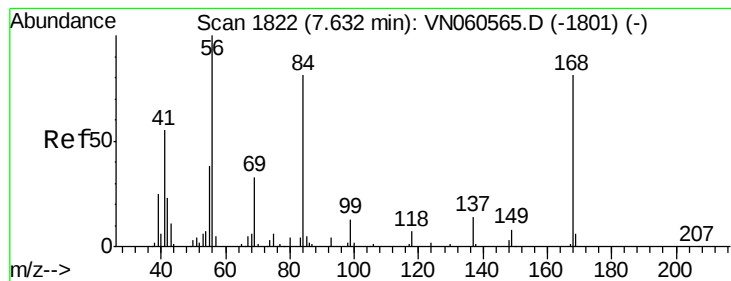
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#30
Chloroform
Concen: 50.372 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8





#31

Cyclohexane

Concen: 46.808 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

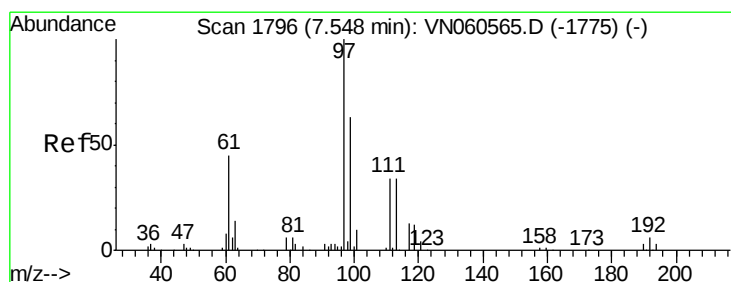
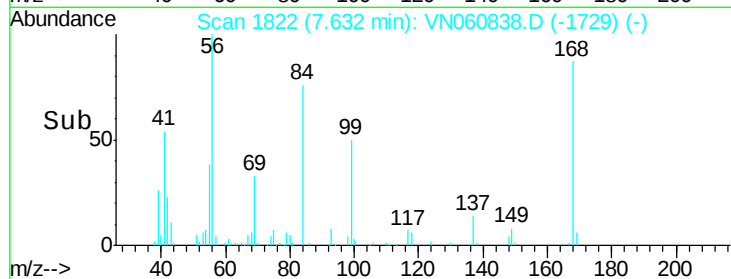
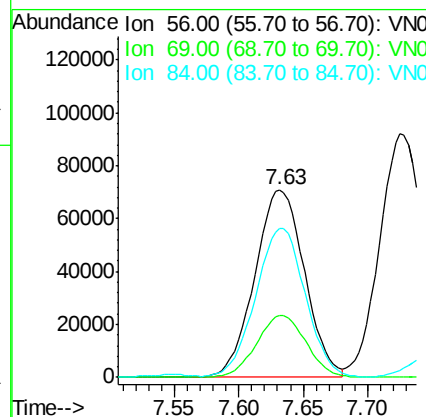
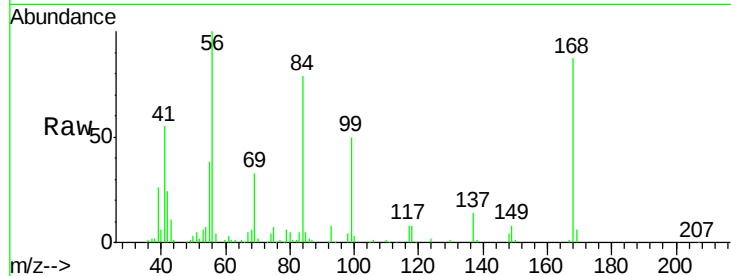
VSTDCCC050EC

Tot Ion: 56 Resp: 190269

Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.6	40.0
84	78.6	64.3	96.5

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#32

1,1,1-Trichloroethane

Concen: 50.185 ug/l

RT: 7.55 min Scan# 1796

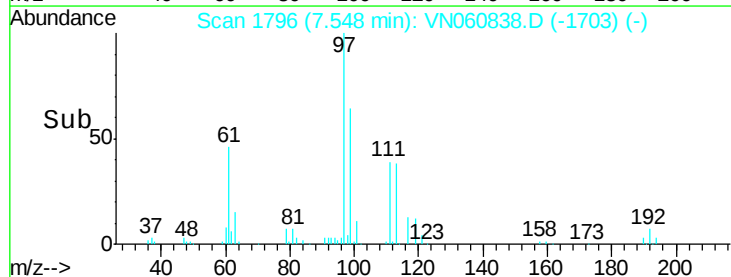
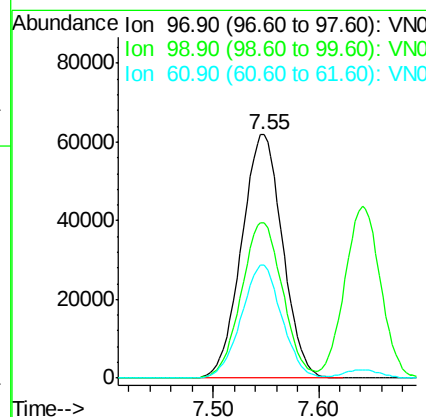
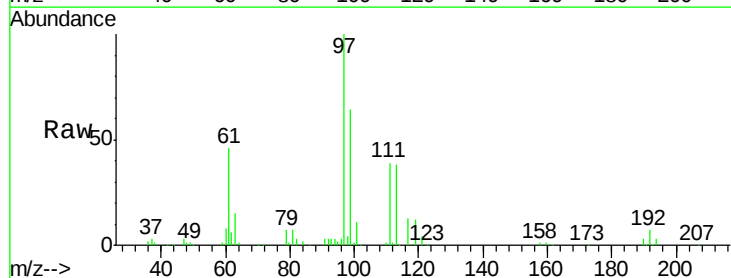
Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Tgt Ion: 97 Resp: 167226

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	75.8
61	45.8	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 51.826 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 130798

Ion Ratio Lower Upper

65 100

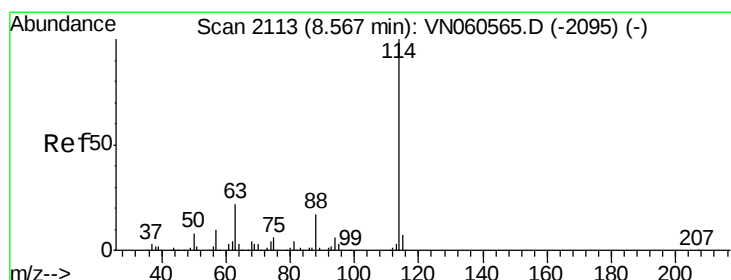
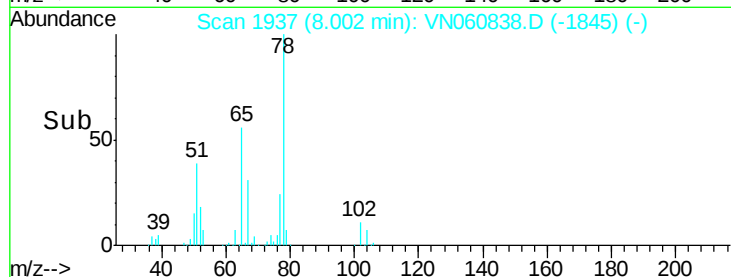
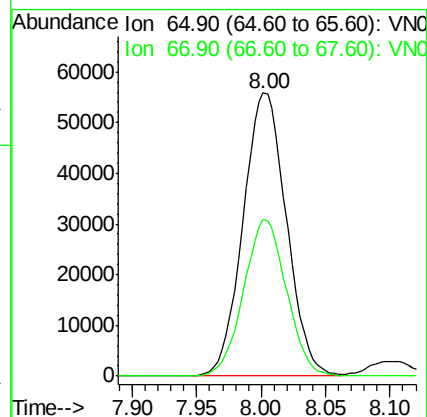
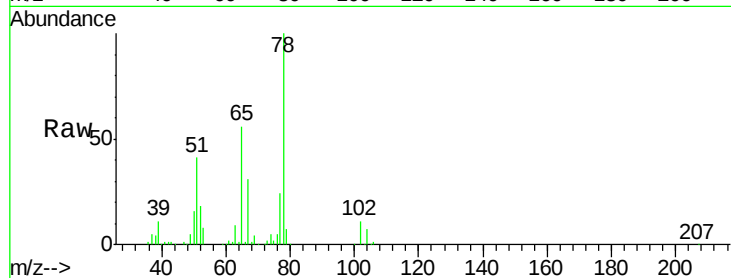
67 54.6 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

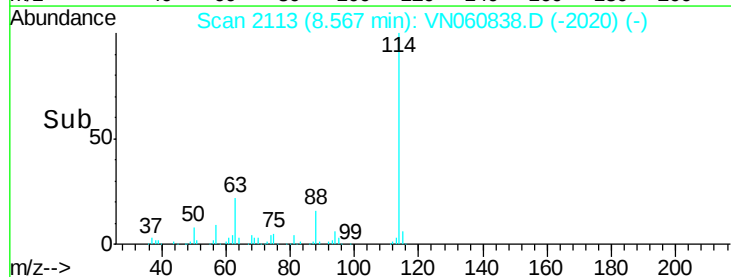
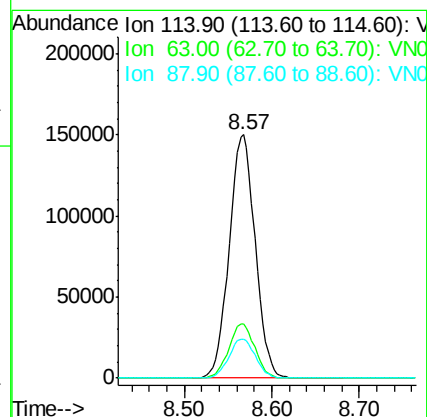
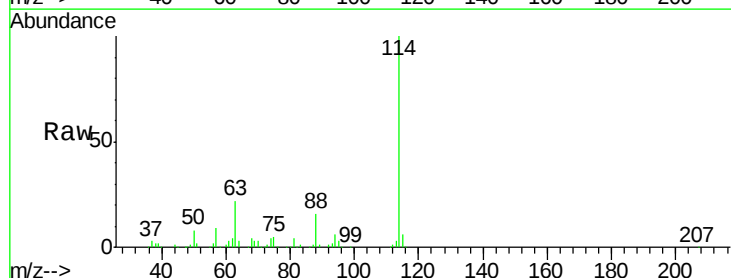
Tgt Ion: 114 Resp: 309411

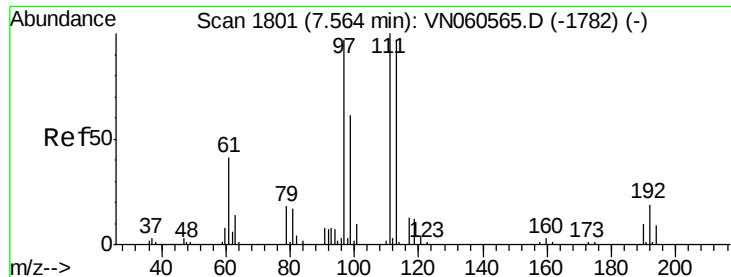
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 53.368 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

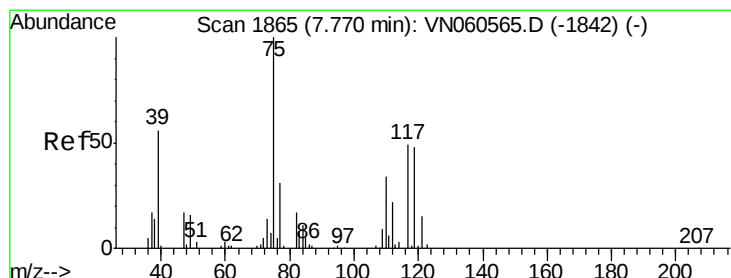
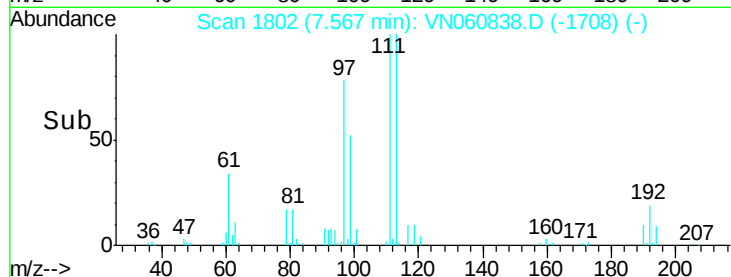
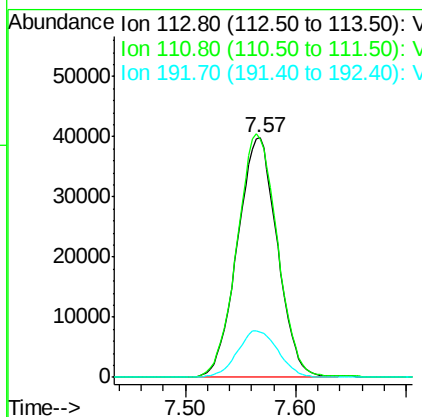
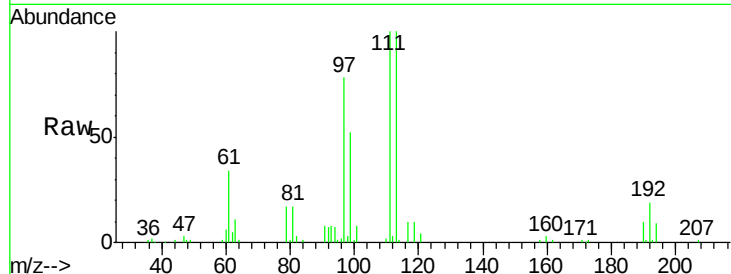
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	99847
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	19.8	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 49.703 ug/l

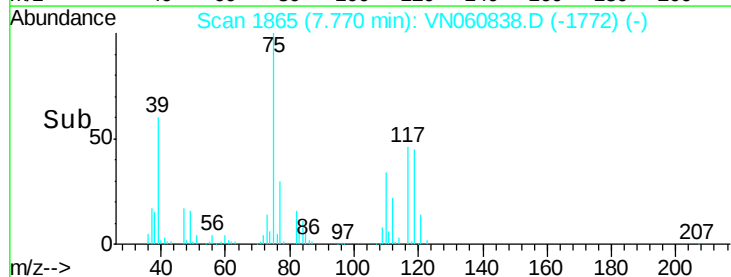
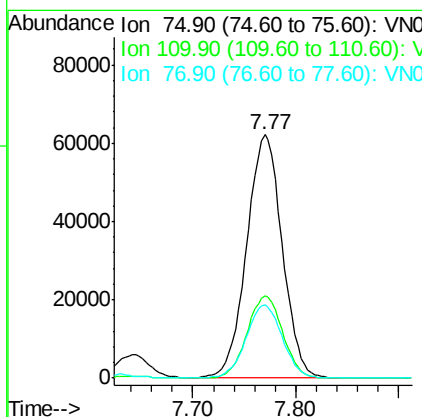
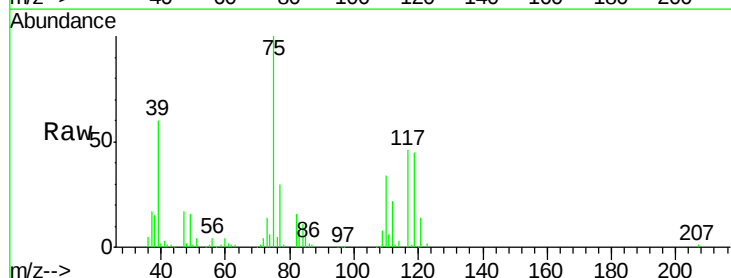
RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Tgt Ion:	75	Resp:	148913
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.6
77	30.7	24.6	36.8





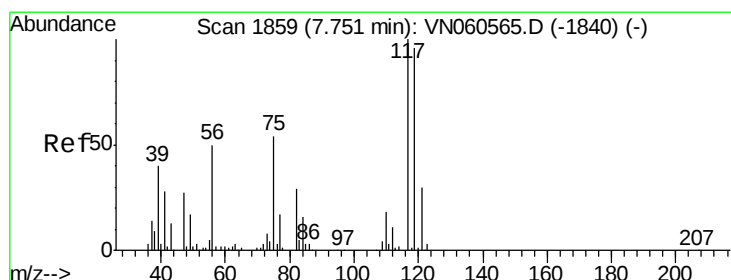
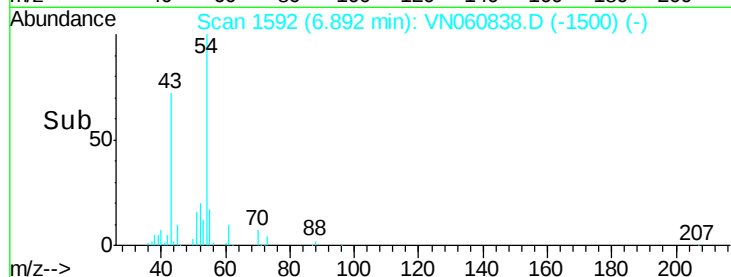
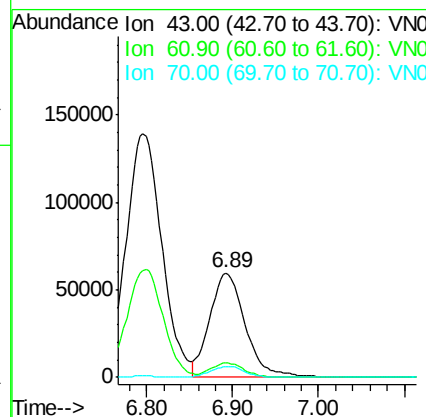
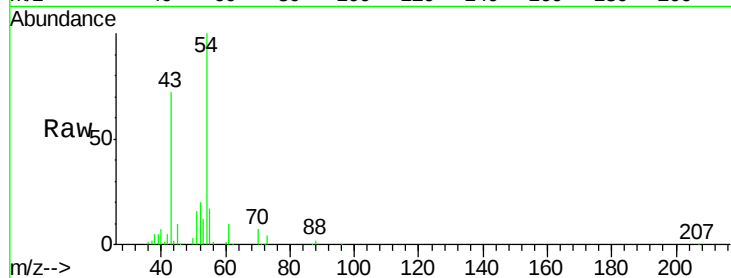
#37
Ethyl Acetate
Concen: 52.511 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.6	15.8
70	10.1	7.9	11.9

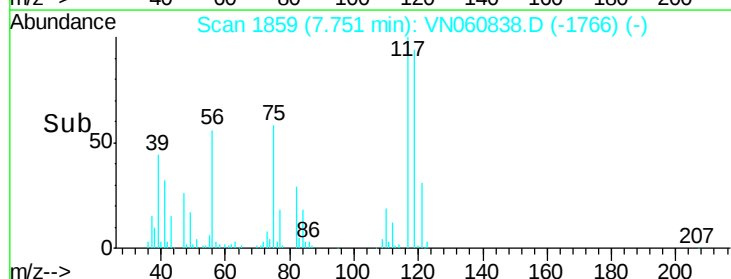
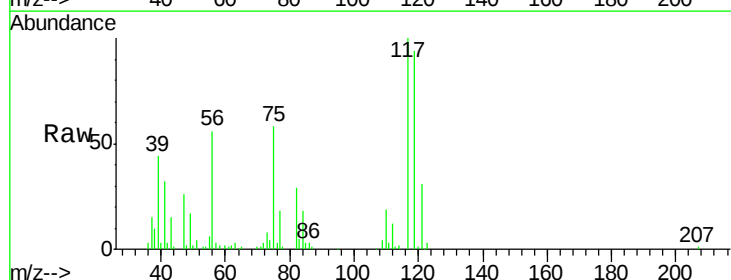
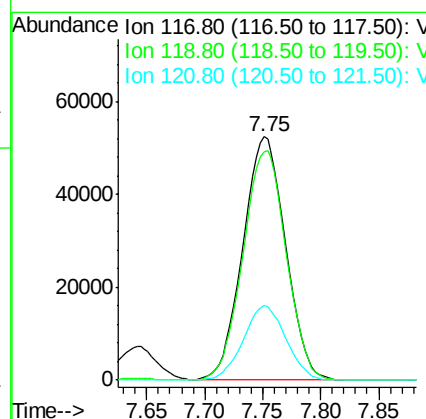
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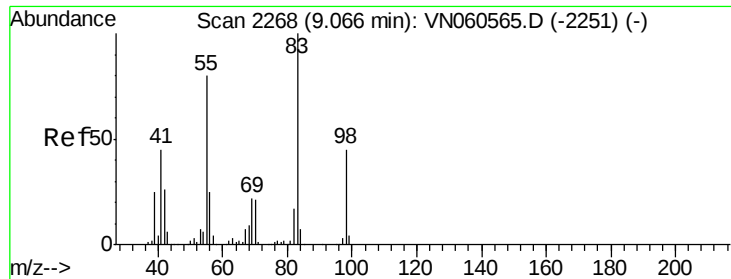
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#38
Carbon Tetrachloride
Concen: 49.951 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.2	114.2
121	30.6	23.7	35.5





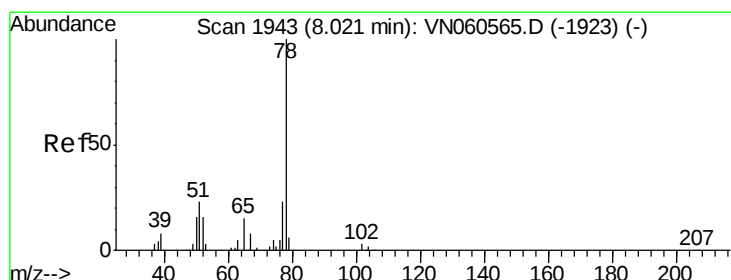
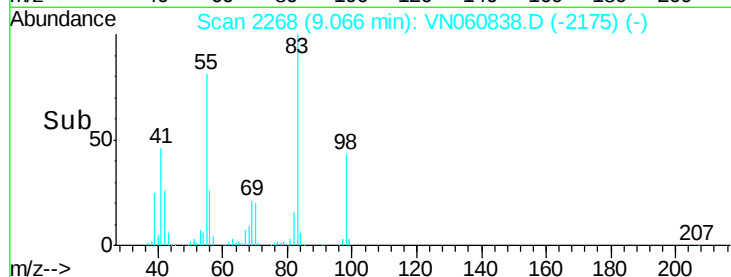
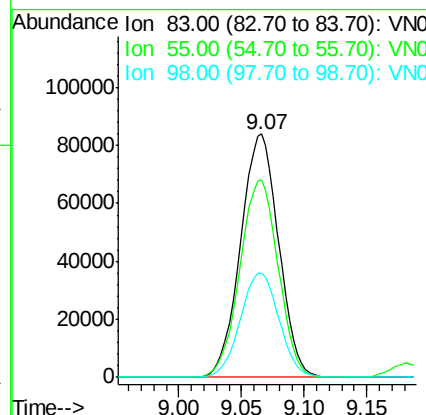
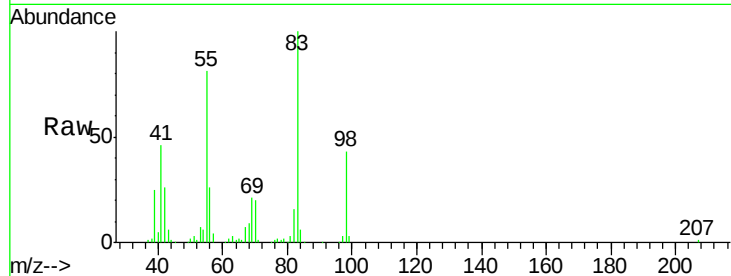
#39
Methvlcvclohexane
Concen: 49.801 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	177313		
55	80.9	63.6	95.4	
98	42.7	36.0	54.0	

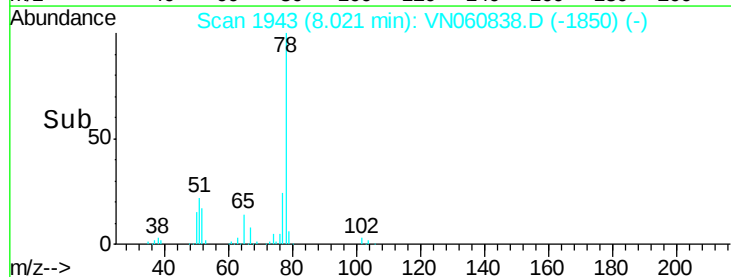
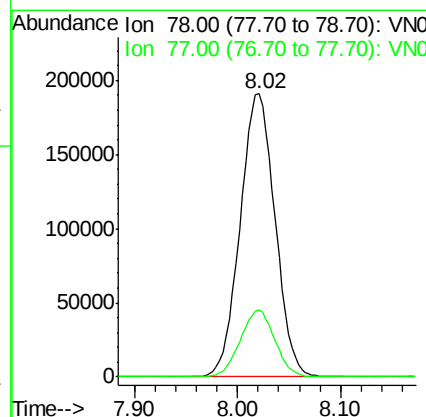
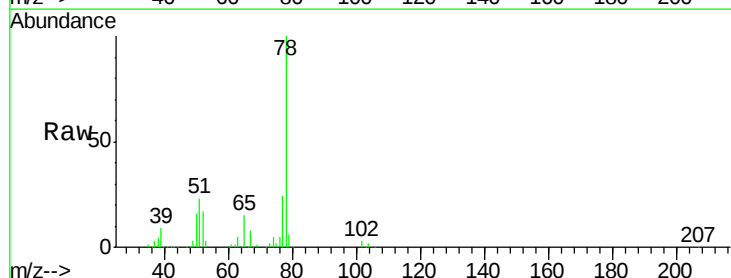
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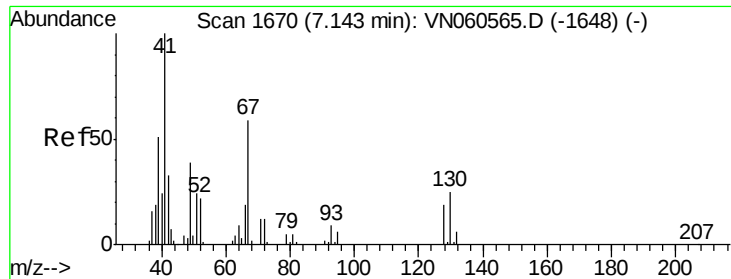
MMDadoda
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#40
Benzene
Concen: 49.684 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	449358		
77	23.7	18.6	28.0	





#41

Methacrylonitrile

Concen: 51.334 ug/l m

RT: 7.14 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

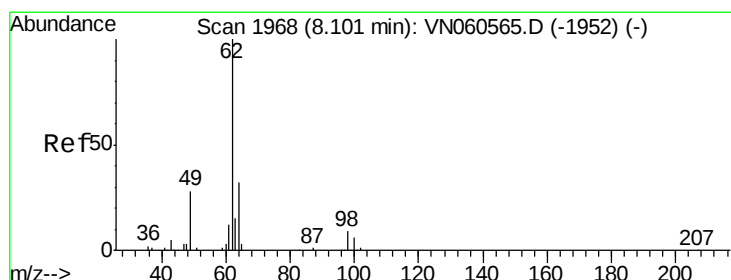
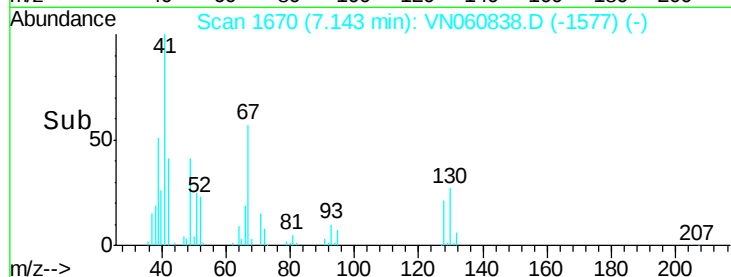
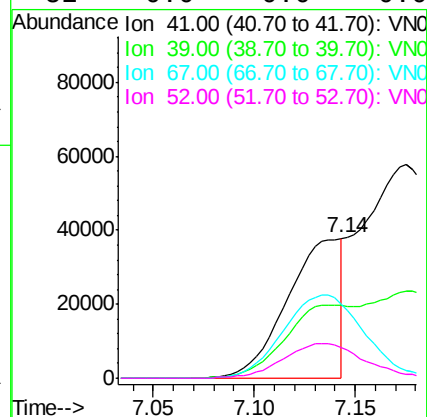
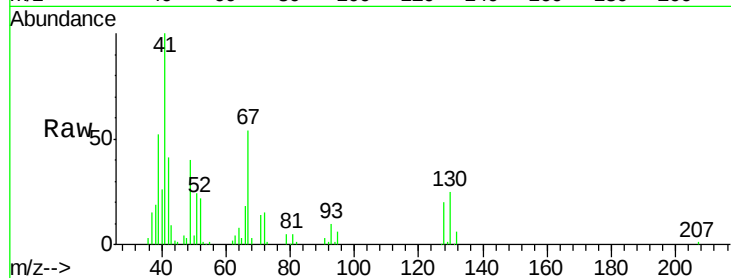
ClientSampleId :

VSTDCCC050EC

Tot Ion	41	Resp	70922
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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#42

1,2-Dichloroethane

Concen: 51.056 ug/l

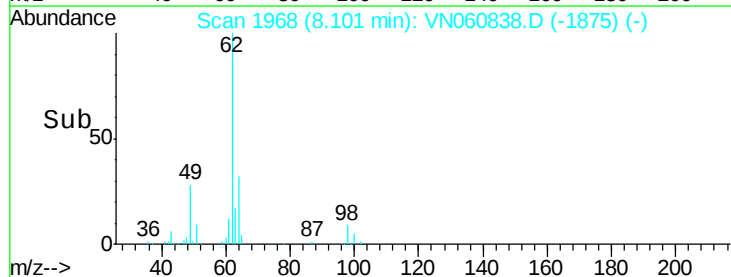
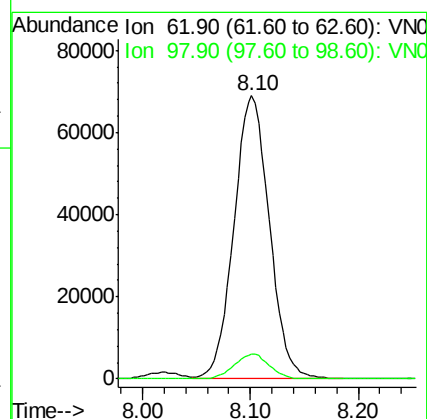
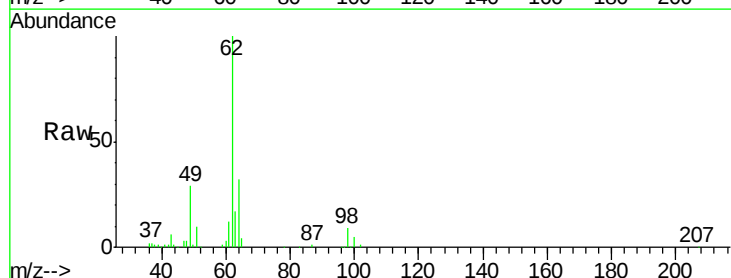
RT: 8.10 min Scan# 1968

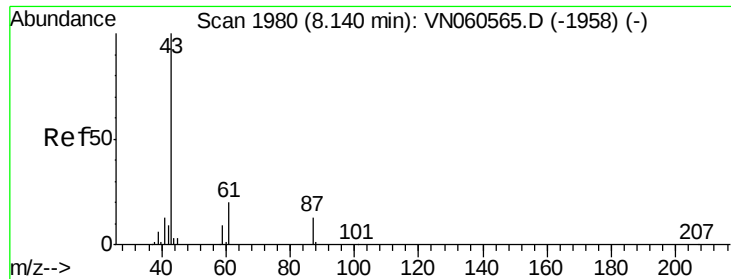
Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Tgt Ion	62	Resp	157810
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8





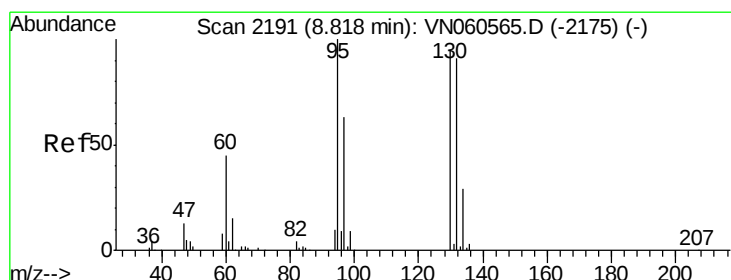
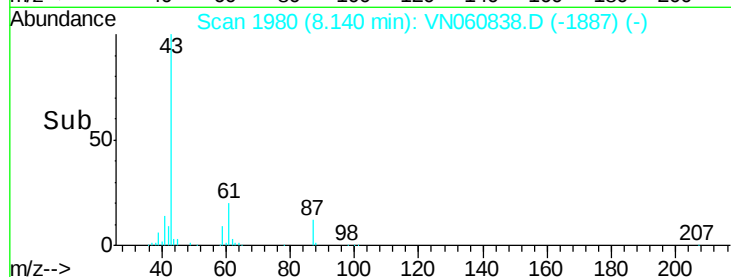
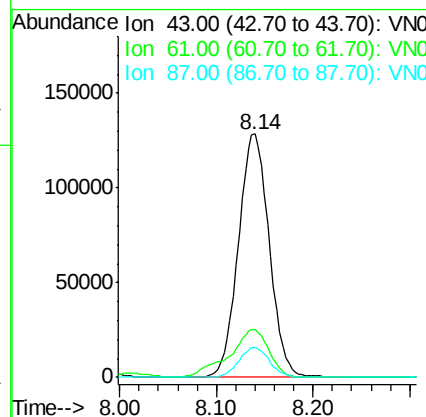
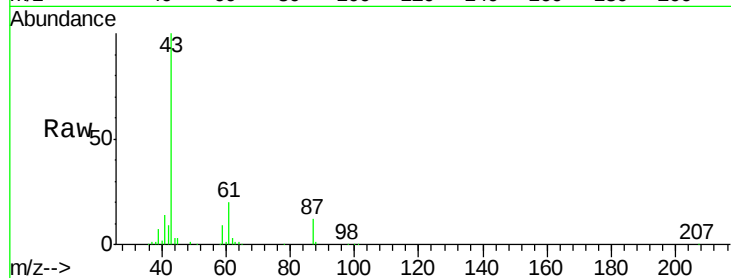
#43
Isopropyl Acetate
Concen: 53.388 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.7	31.1
87	12.1	9.8	14.8

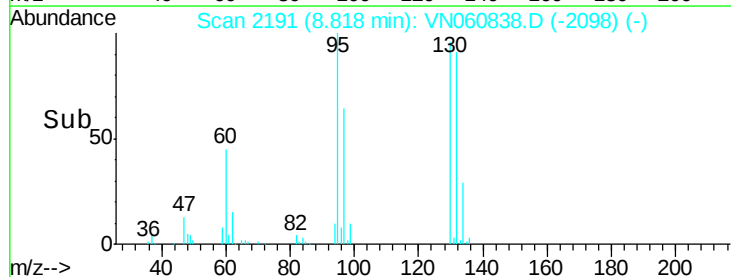
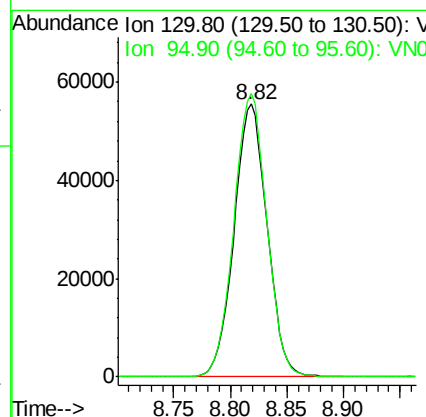
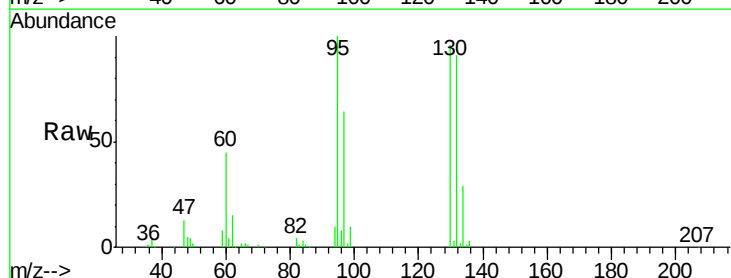
Manual Integrations
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#44
Trichloroethene
Concen: 49.551 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	211.2





#45

1,2-Dichloropropane

Concen: 52.123 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 124393

Ion Ratio Lower Upper

63 100

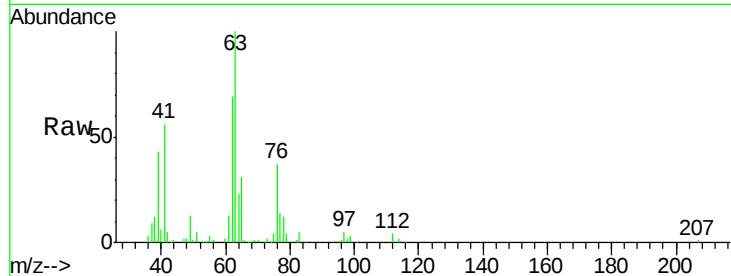
65 30.8 25.4 38.0

Manual Integrations

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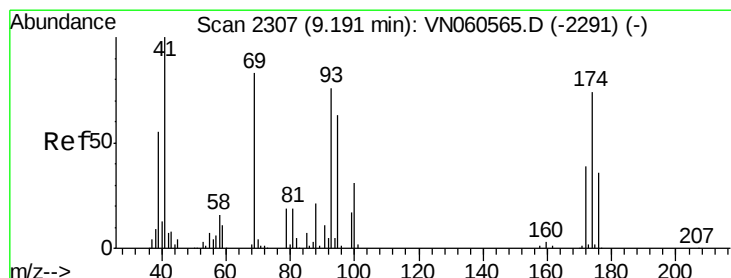
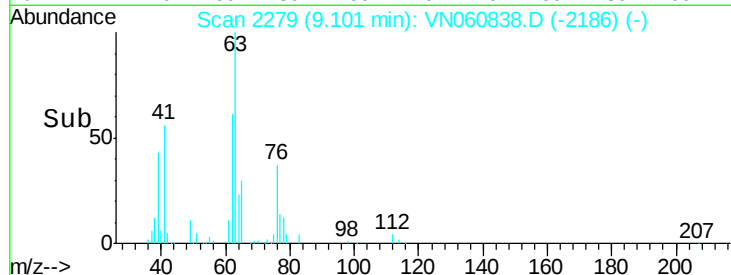
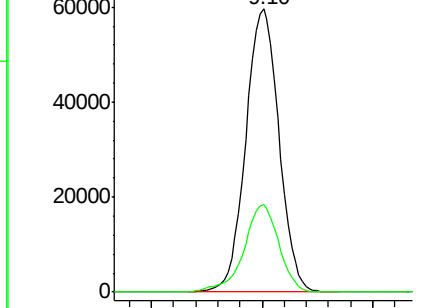
MMDadoda

4/3/2020 12:06:32 PM



Abundance Ion 62.90 (62.60 to 63.60): VN060838.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060838.D (-2186) (-)



#46

Dibromomethane

Concen: 51.271 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

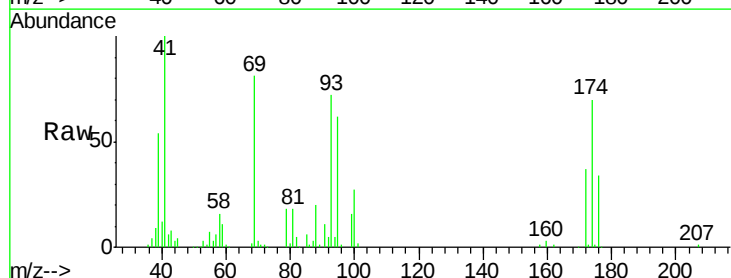
Tgt Ion: 93 Resp: 73974

Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

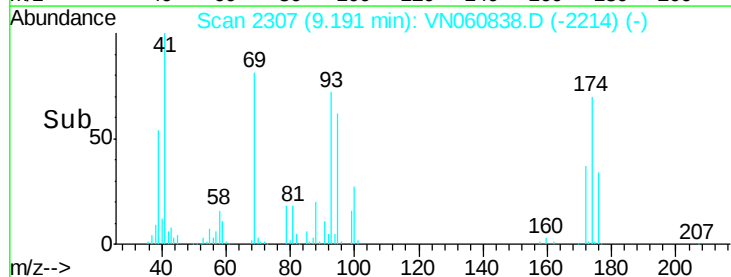
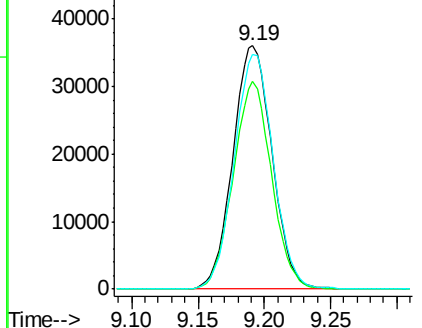
174 96.0 77.9 116.9

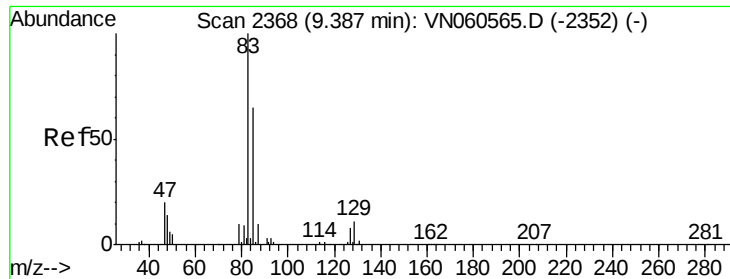


Abundance Ion 92.80 (92.50 to 93.50): VN060838.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060838.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060838.D (-2214) (-)





#47

Bromodichloromethane

Concen: 52.008 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

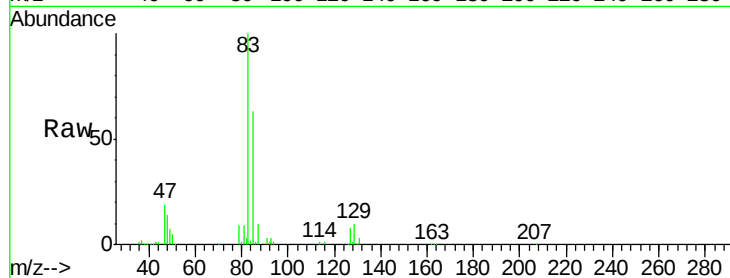
ClientSampleId :

VSTDCCC050EC

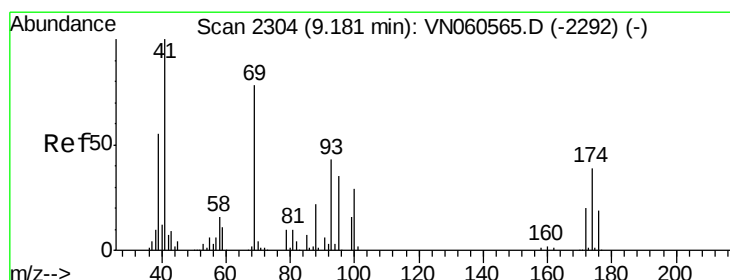
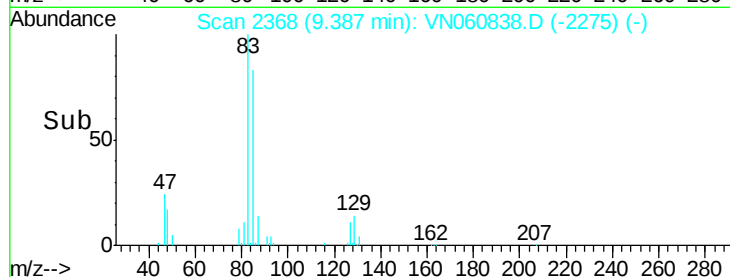
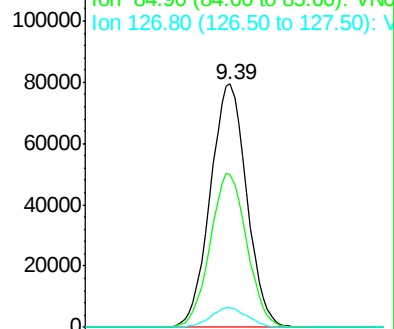
Tot Ion:	83	Resp:	155926
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6
127	8.1	6.5	9.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060838.D (-2275) (-)



#48

Methyl methacrylate

Concen: 53.016 ug/l

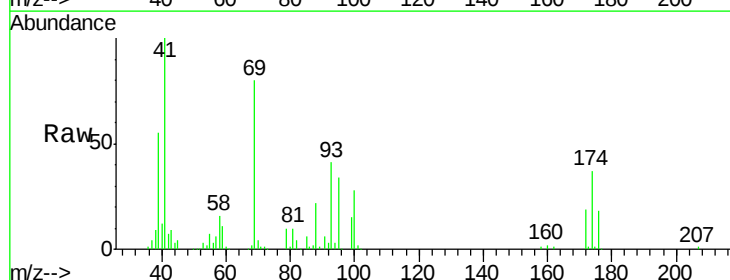
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

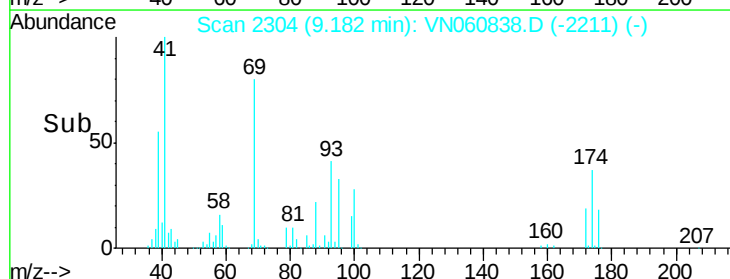
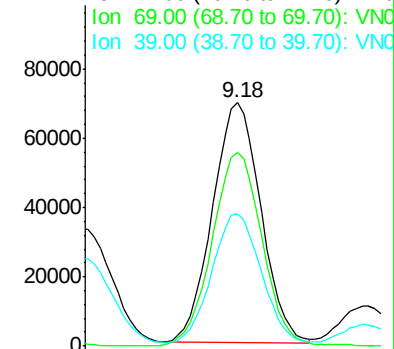
Lab File: VN060838.D

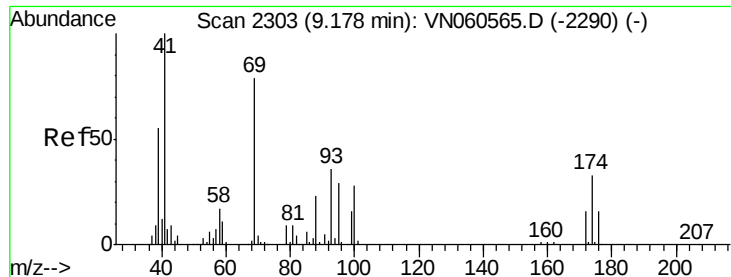
Acq: 2 Apr 2020 21:36

Tgt Ion:	41	Resp:	126022
Ion	Ratio	Lower	Upper
41	100		
69	83.0	65.4	98.0
39	57.4	44.0	66.0



Abundance Ion 41.00 (40.70 to 41.70): VN060838.D (-2211) (-)





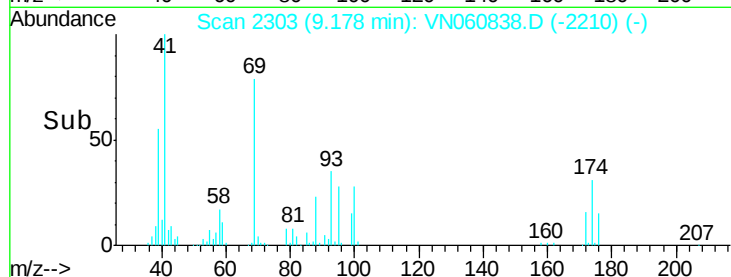
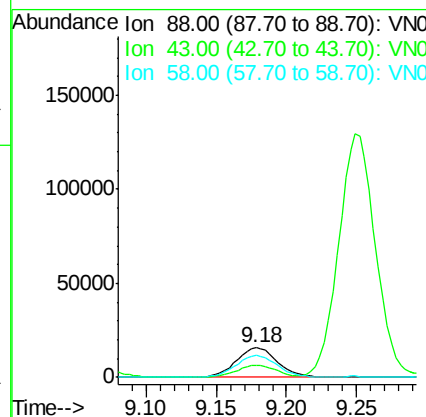
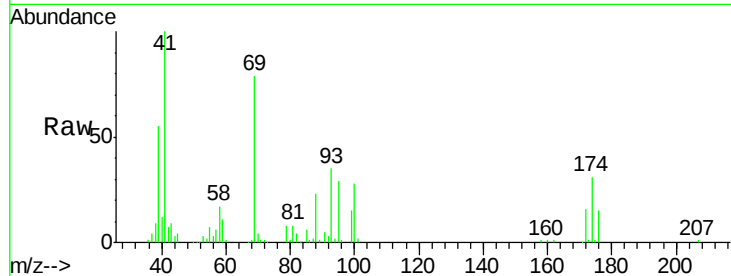
#49
1,4-Dioxane
Concen: 1148.899 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.6	30.8	46.2
58	74.0	59.8	89.8

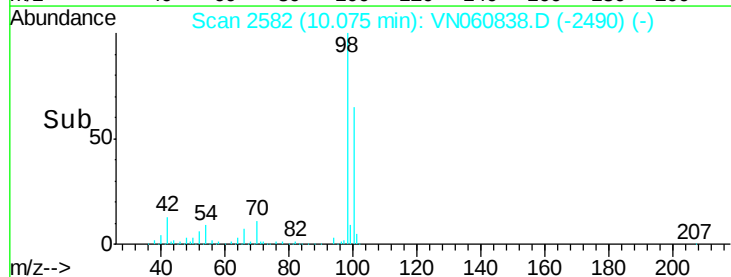
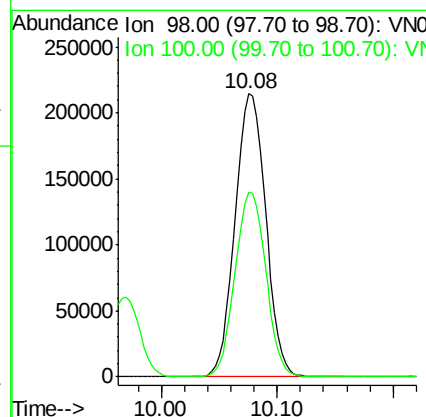
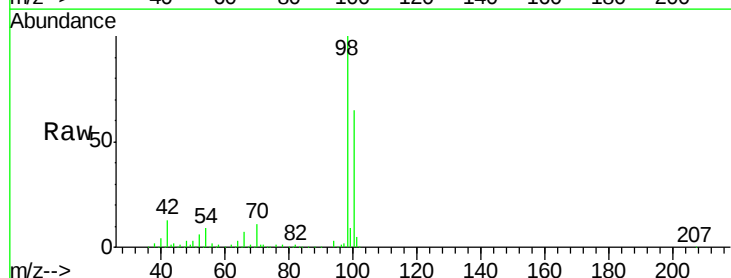
Manual Integrations
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#50
Toluene-d8
Concen: 51.412 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 280.430 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 851973

Ion Ratio Lower Upper

43 100

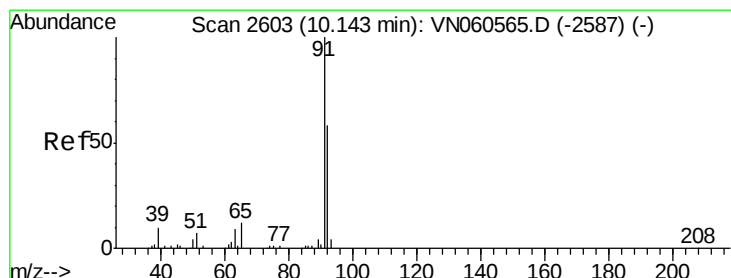
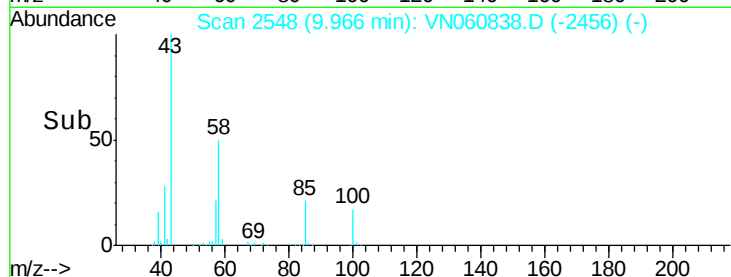
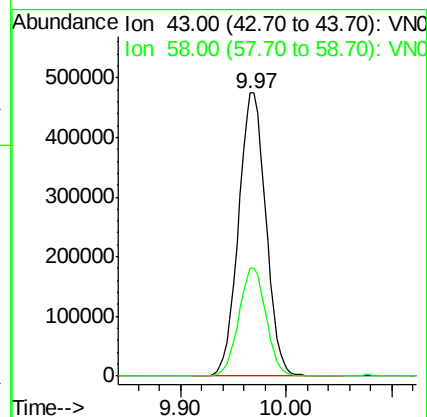
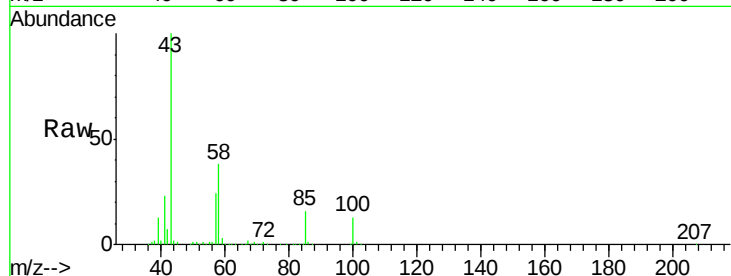
58 38.0 30.8 46.2

Manual Integrations

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#52

Toluene

Concen: 50.047 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060838.D

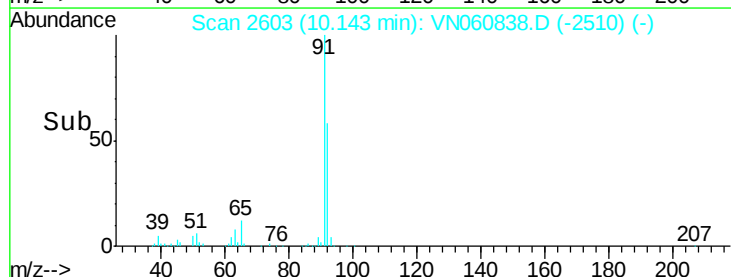
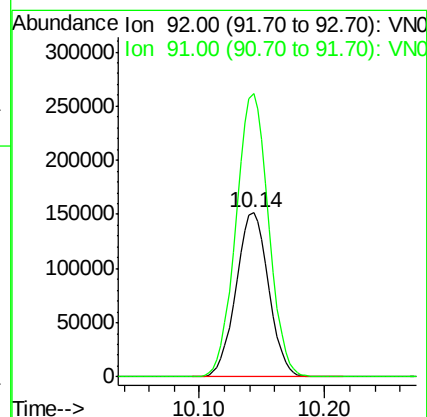
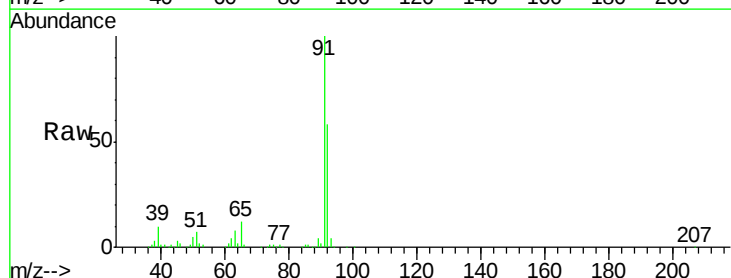
Acq: 2 Apr 2020 21:36

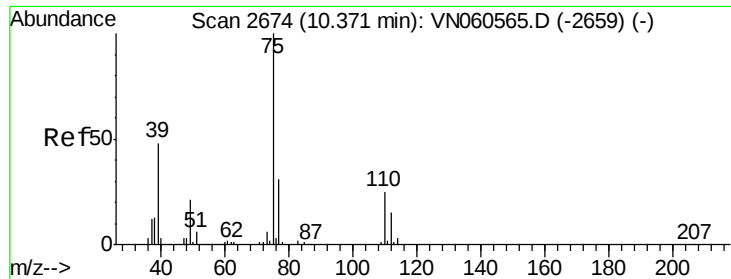
Tgt Ion: 92 Resp: 273365

Ion Ratio Lower Upper

92 100

91 172.7 137.6 206.4





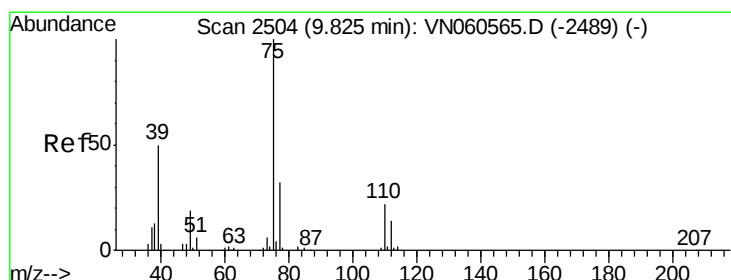
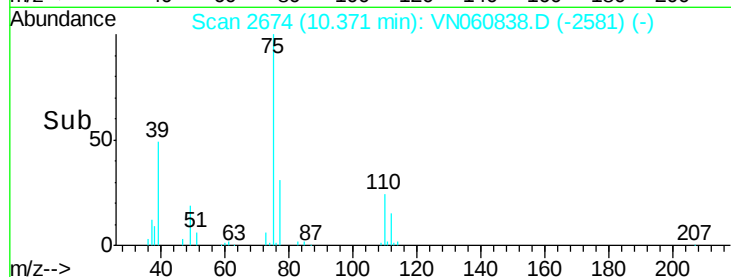
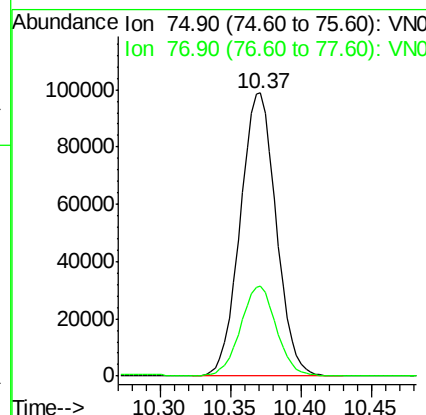
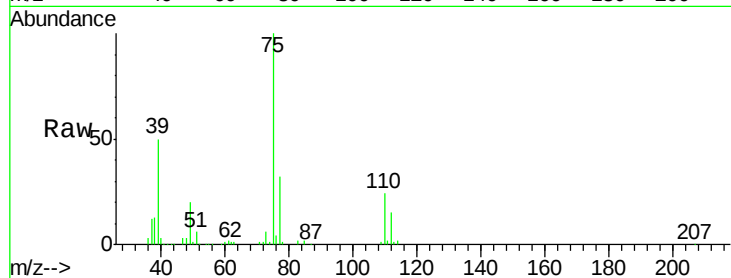
#53
t-1,3-Dichloropropene
Concen: 51.305 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 176690
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

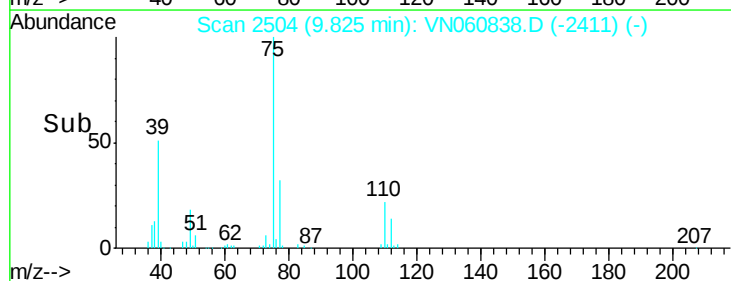
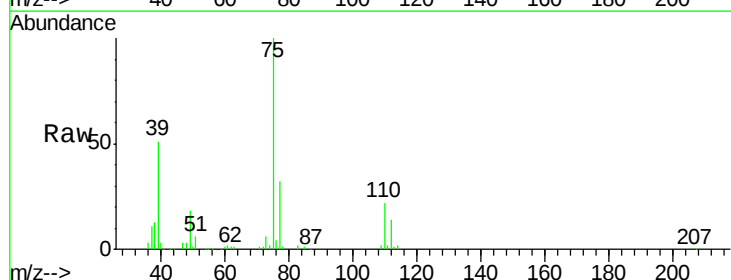
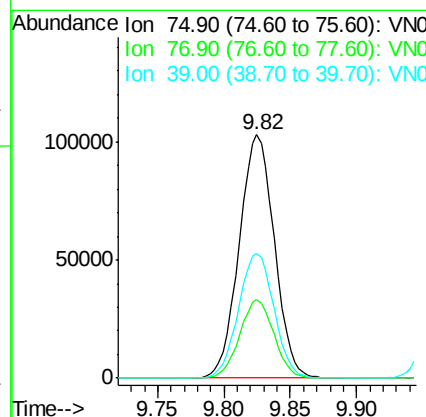
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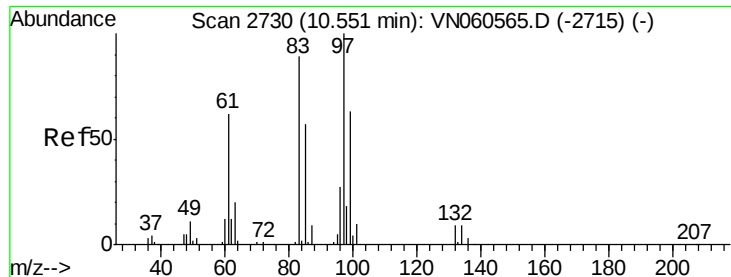
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#54
cis-1,3-Dichloropropene
Concen: 50.277 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion: 75 Resp: 189951
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0
39 51.3 40.2 60.4





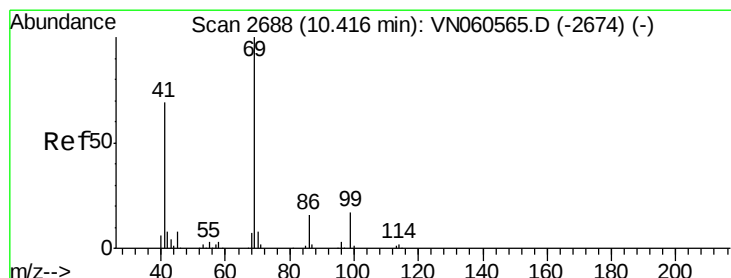
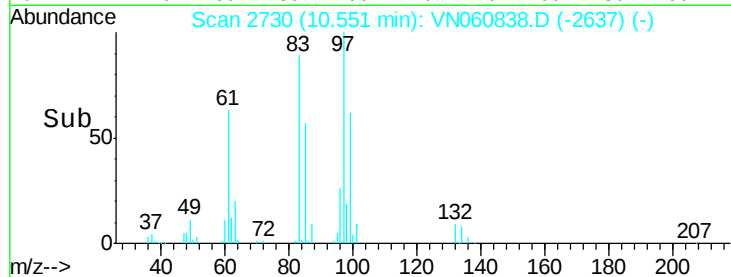
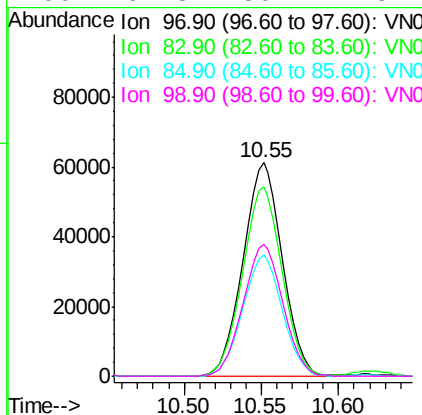
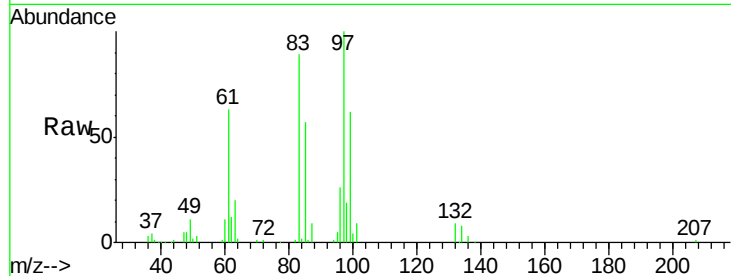
#55
 1,1,2-Trichloroethane
 Concen: 51.434 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060838.D
 Acq: 2 Apr 2020 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	108083
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.3	106.9
85	56.7	45.2	67.8
99	61.8	50.1	75.1

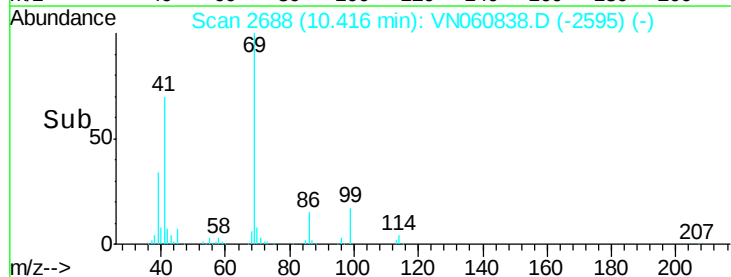
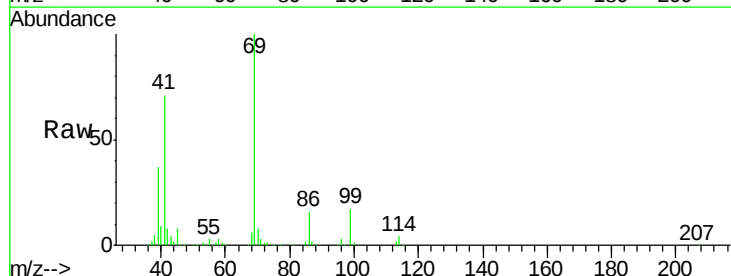
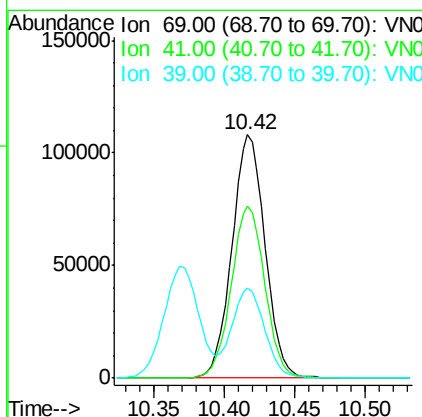
Manual Integrations
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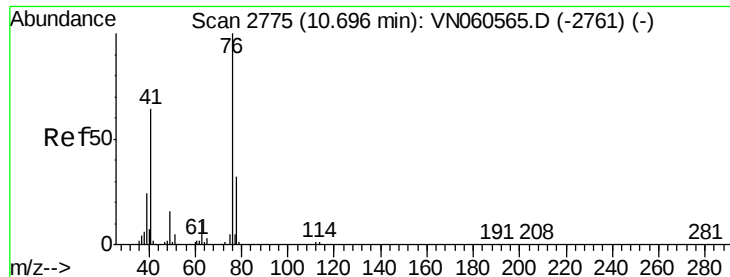
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#56
 Ethyl methacrylate
 Concen: 54.277 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060838.D
 Acq: 2 Apr 2020 21:36

Tgt Ion:	69	Resp:	177841
Ion	Ratio	Lower	Upper
69	100		
41	71.0	55.4	83.2
39	36.9	29.4	44.0





#57

1,3-Dichloropropane

Concen: 52.289 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 190675

Ion Ratio Lower Upper

76 100

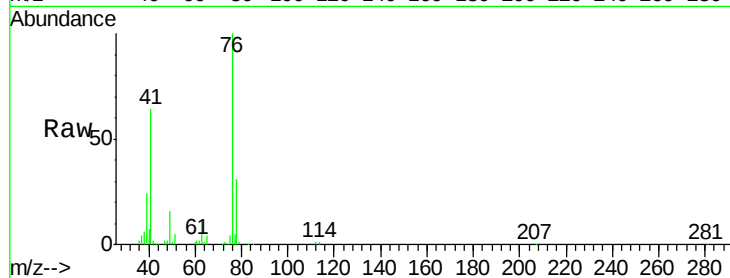
78 31.3 25.8 38.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

120000

100000

80000

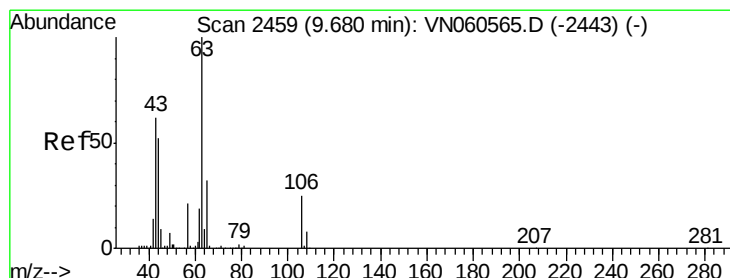
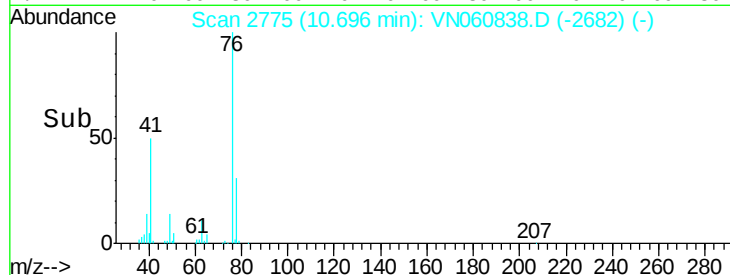
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 250.767 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060838.D

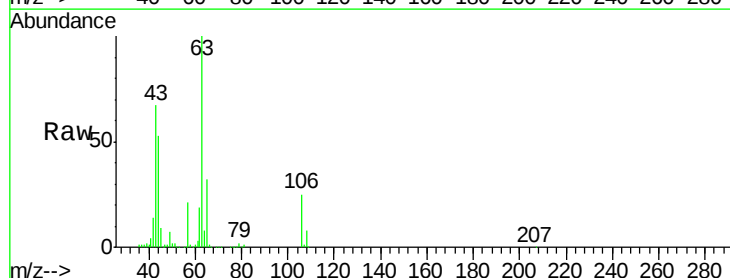
Acq: 2 Apr 2020 21:36

Tgt Ion: 63 Resp: 408368

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

250000

200000

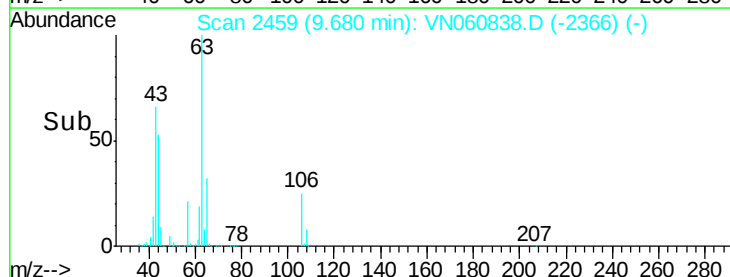
150000

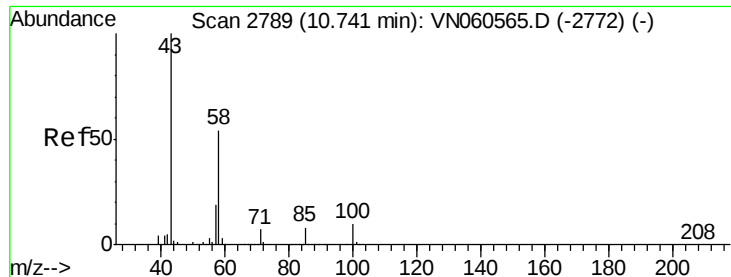
100000

50000

0

Time--> 9.60 9.70 9.80





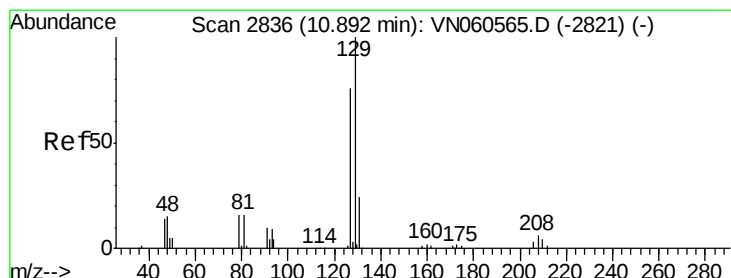
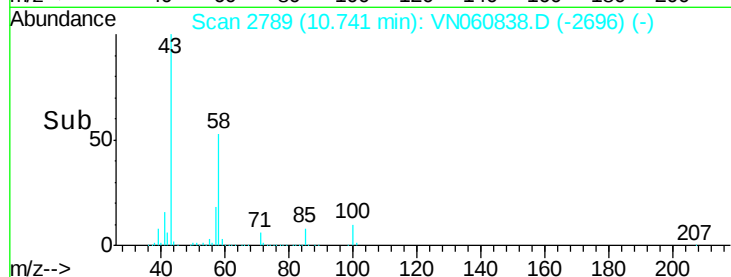
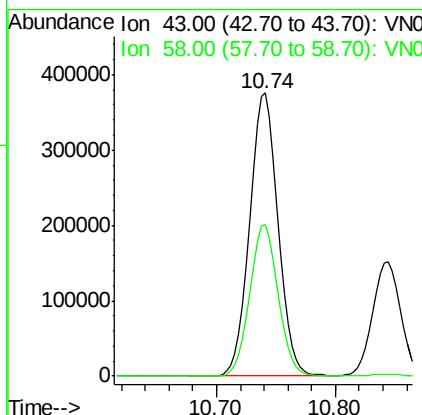
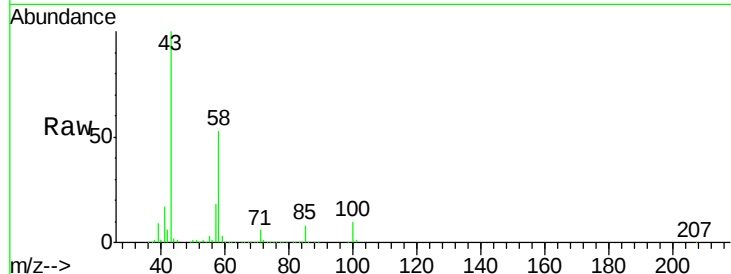
#59
2-Hexanone
Concen: 282.695 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 618677
Ion Ratio Lower Upper
43 100
58 53.6 26.7 80.1

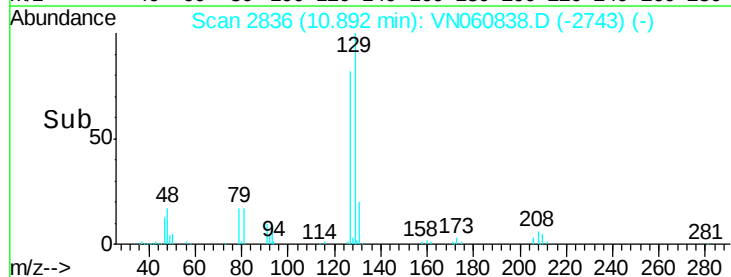
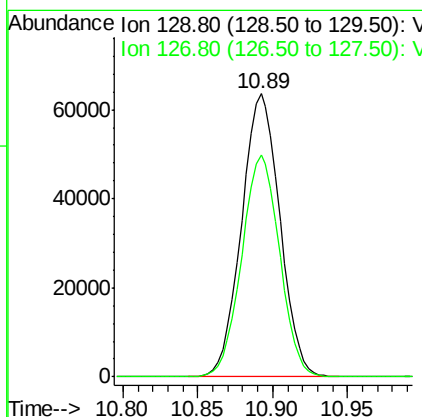
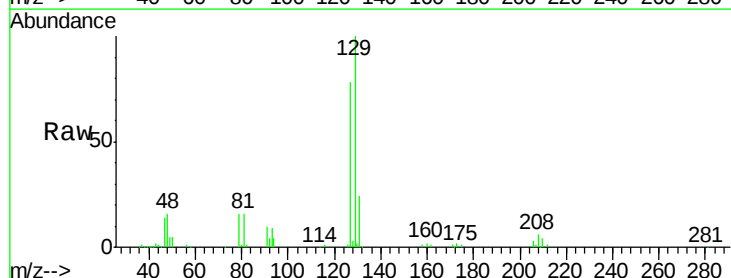
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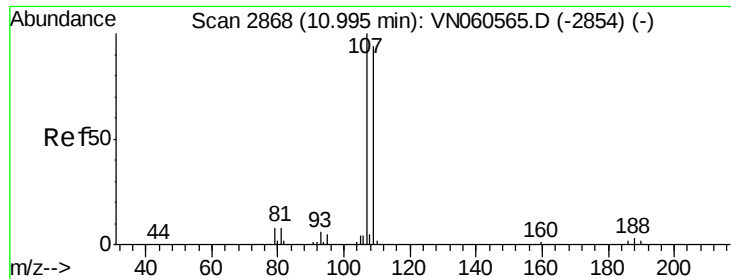
MMDadoda
4/3/2020 12:06:32 PM



#60
Dibromochloromethane
Concen: 52.290 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion: 129 Resp: 113502
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





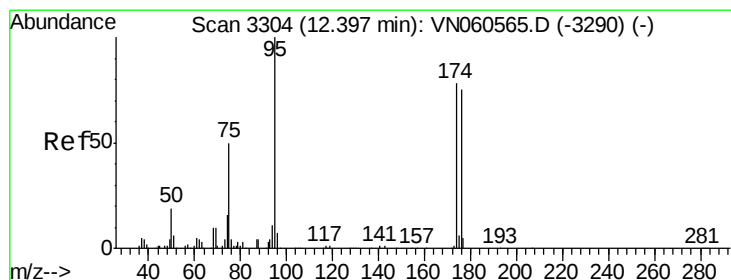
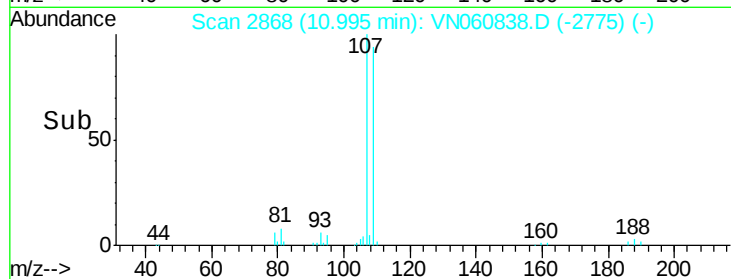
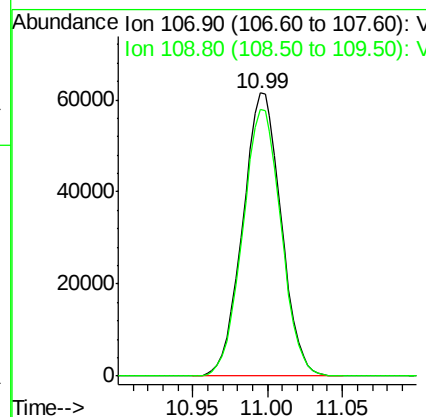
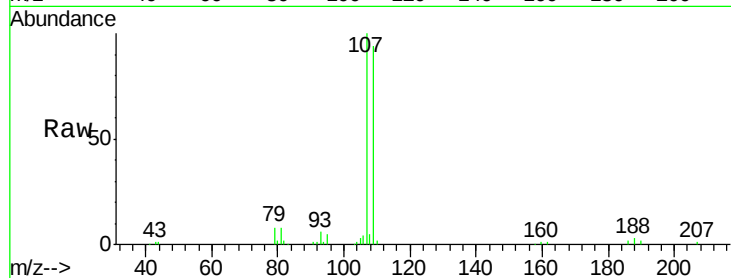
#61
 1,2-Dibromoethane
 Concen: 51.939 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060838.D
 Acq: 2 Apr 2020 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.2

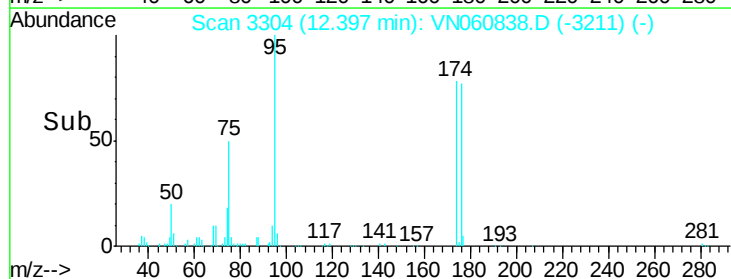
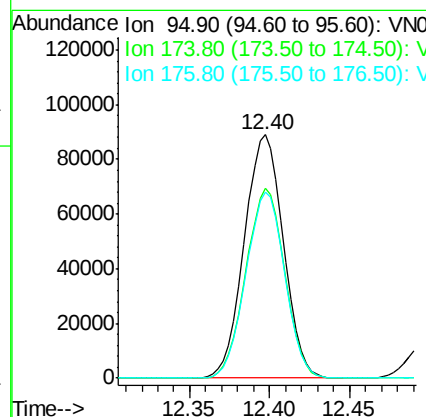
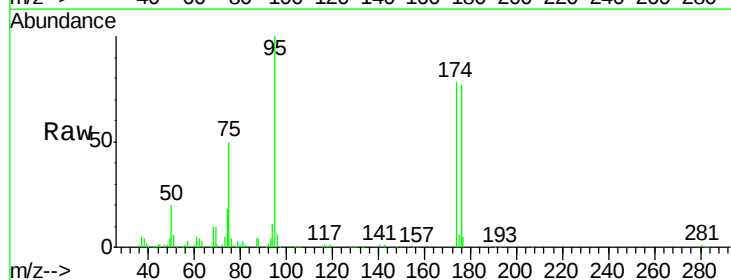
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 52.995 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060838.D
 Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	157.6
176	76.0	0.0	150.6





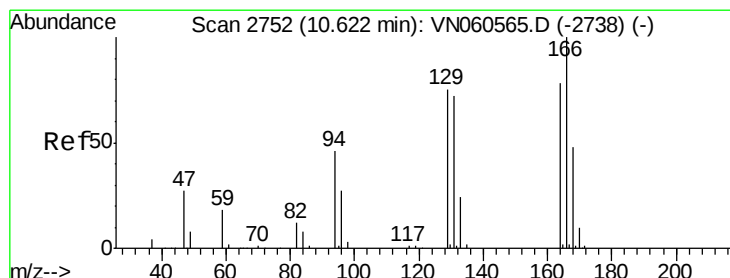
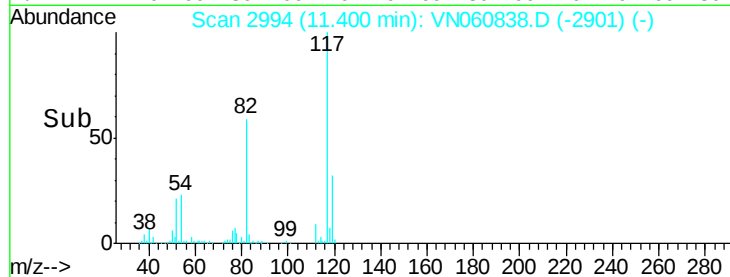
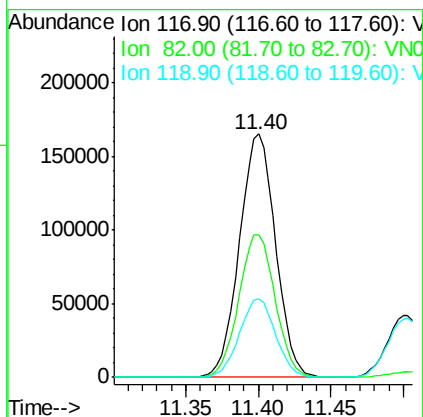
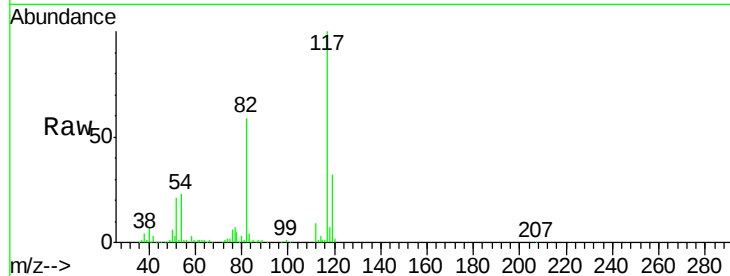
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.7	70.1
119	32.4	25.5	38.3

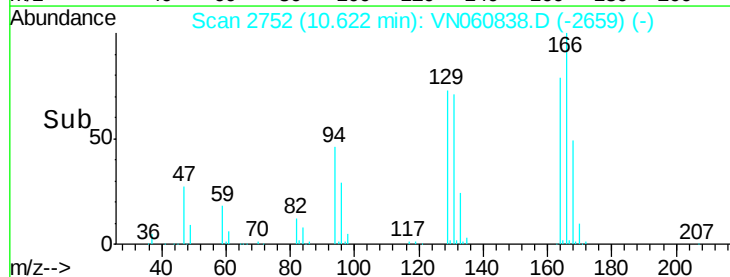
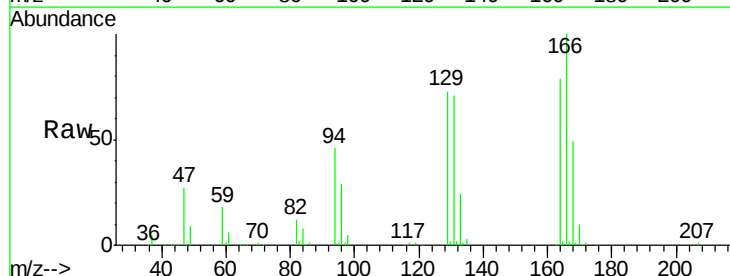
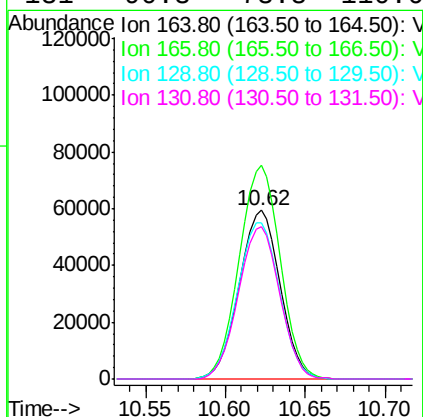
Manual Integrations
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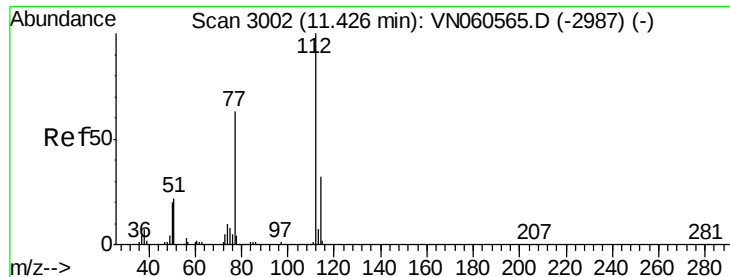
MMDadoda
4/3/2020 12:06:32 PM



#64
Tetrachloroethene
Concen: 45.982 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.7	154.1
129	92.9	77.2	115.8
131	90.3	73.8	110.6





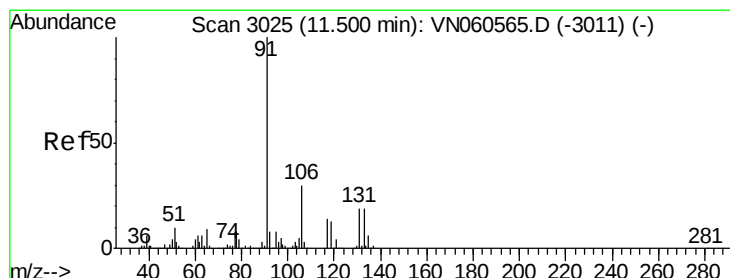
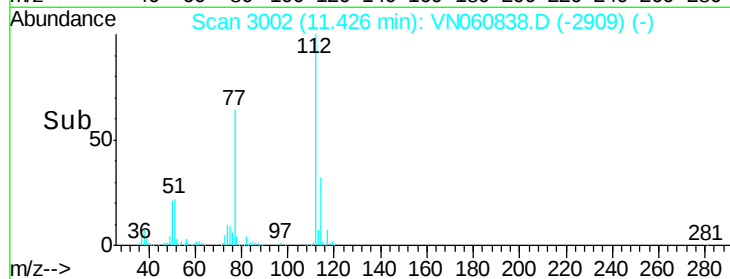
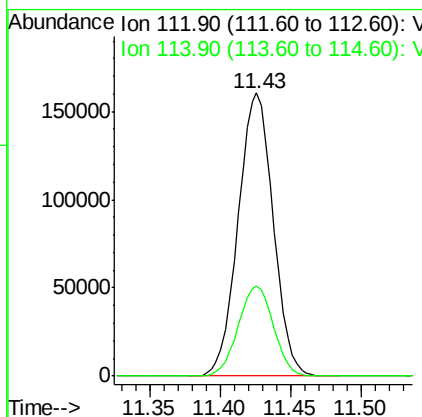
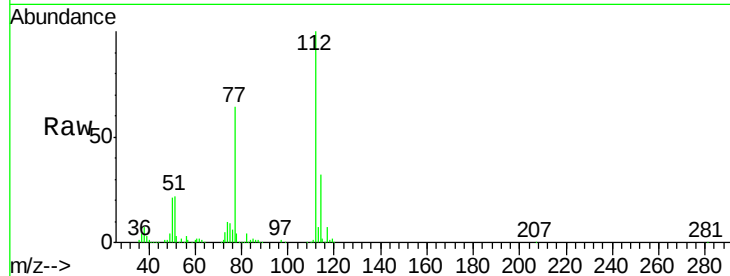
#65
Chlorobenzene
Concen: 49.297 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.6

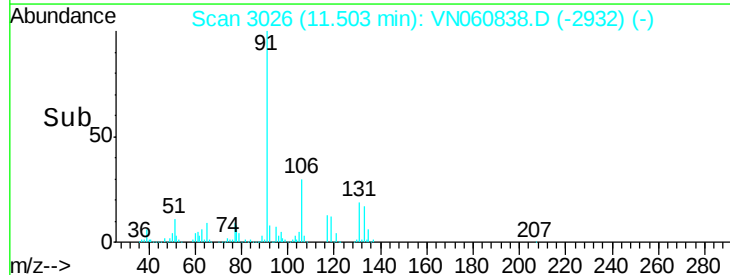
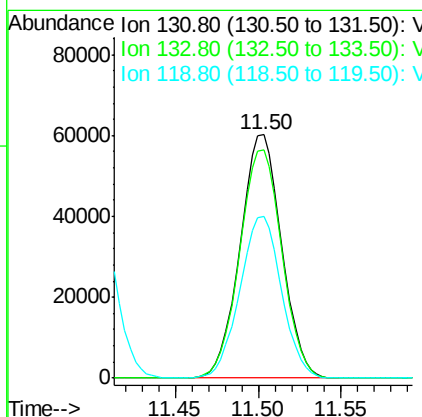
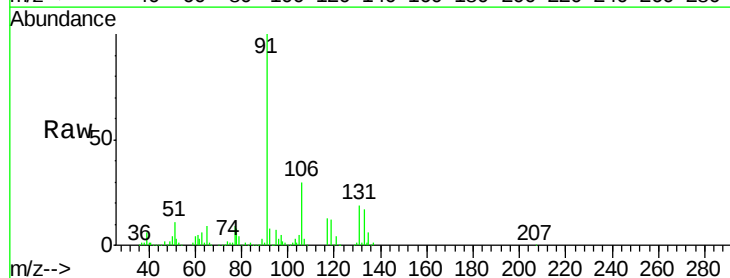
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.934 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.9	146.8
119	66.8	33.9	101.7





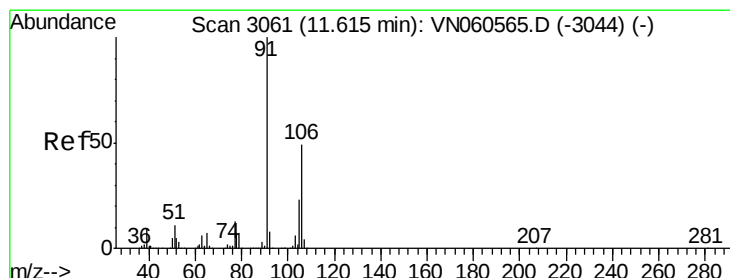
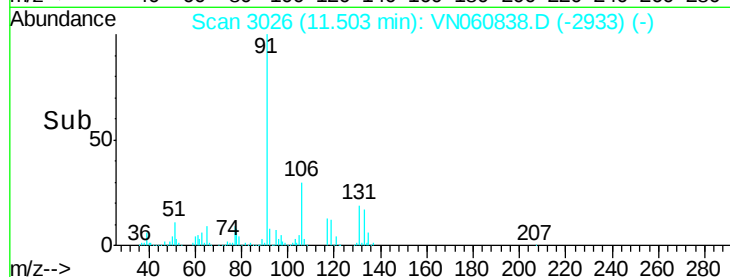
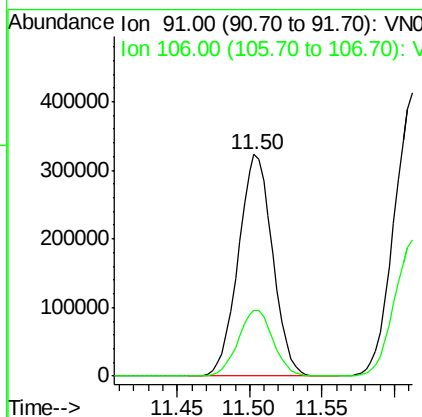
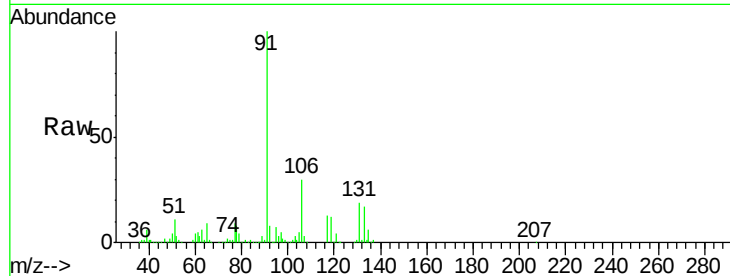
#67
Ethyl Benzene
Concen: 50.254 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 529907
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.2

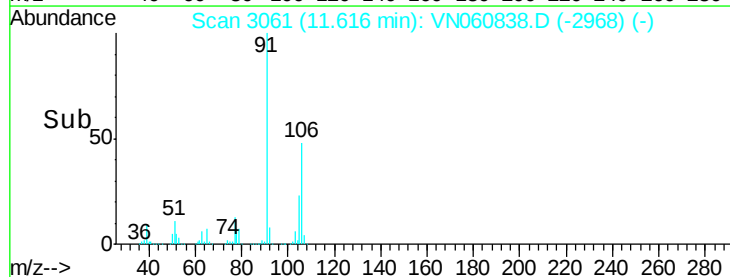
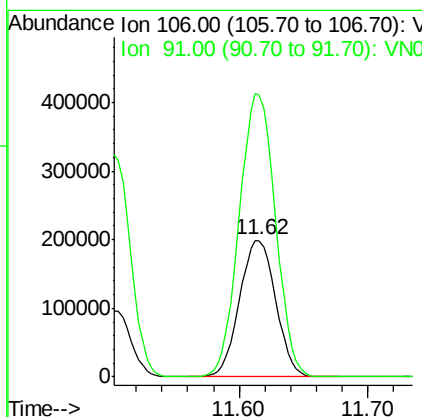
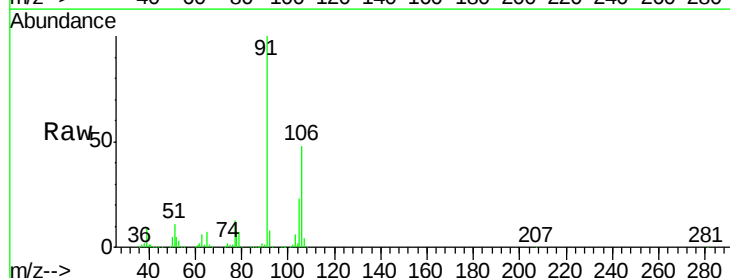
Manual Integrations
APPROVED

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#68
m/p-Xylenes
Concen: 99.135 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion: 106 Resp: 388454
Ion Ratio Lower Upper
106 100
91 207.2 165.0 247.4





#69

o-Xylene

Concen: 50.014 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 187084

Ion Ratio Lower Upper

106 100

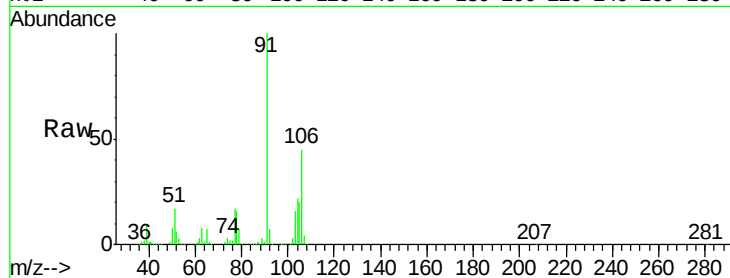
91 221.4 109.5 328.4

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

300000

250000

200000

150000

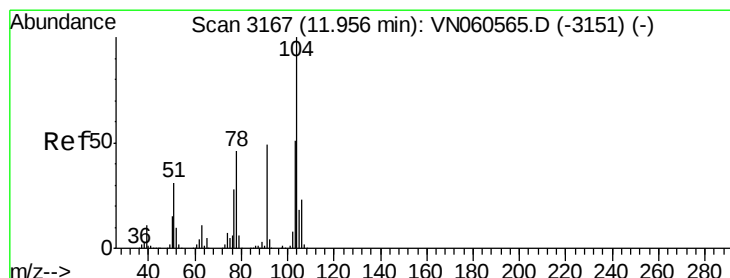
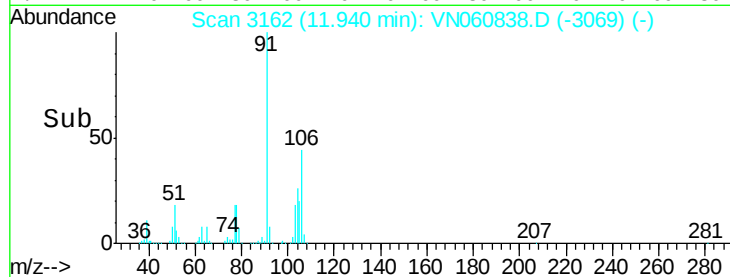
100000

50000

0

11.94

Time--> 11.85 11.90 11.95 12.00



#70

Styrene

Concen: 51.077 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

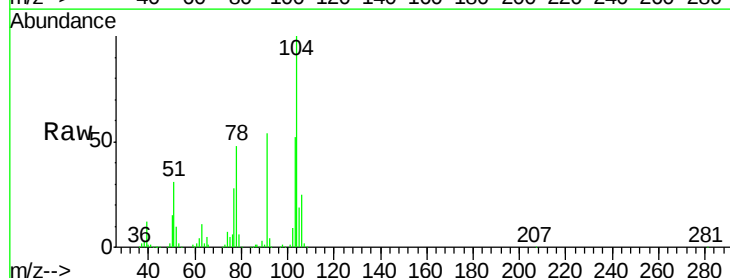
Tgt Ion:104 Resp: 312480

Ion Ratio Lower Upper

104 100

78 52.2 41.2 61.8

103 55.6 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

250000

200000

150000

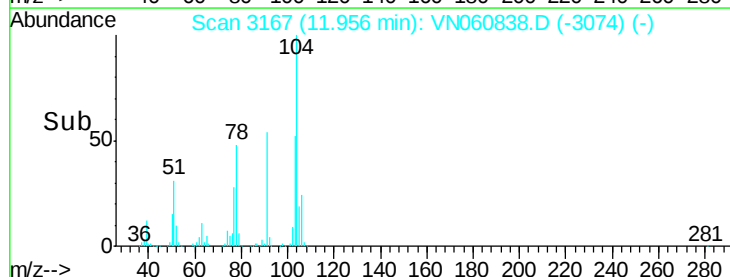
100000

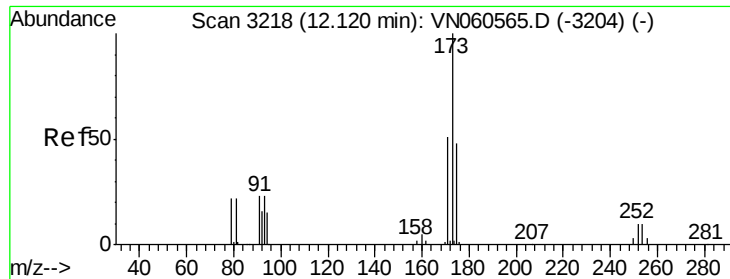
50000

0

11.96

Time--> 11.90 11.95 12.00 12.05





#71

Bromoform

Concen: 49.189 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 83883

Ion Ratio Lower Upper

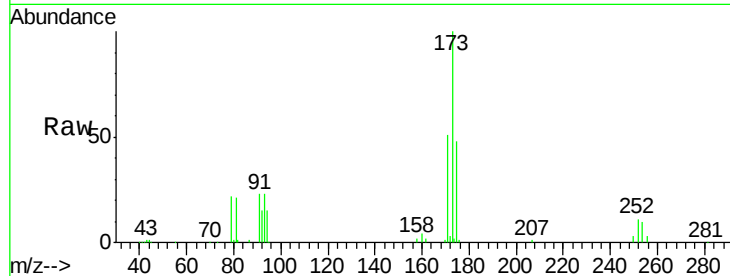
173 100

175 47.8 24.1 72.4

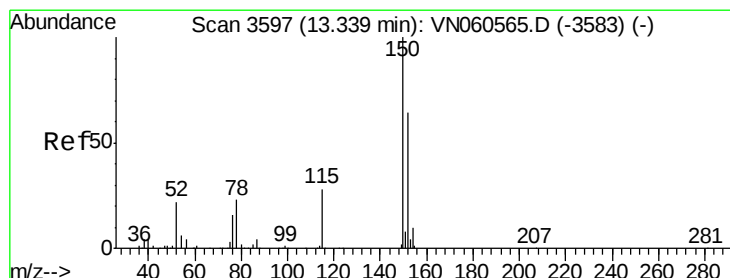
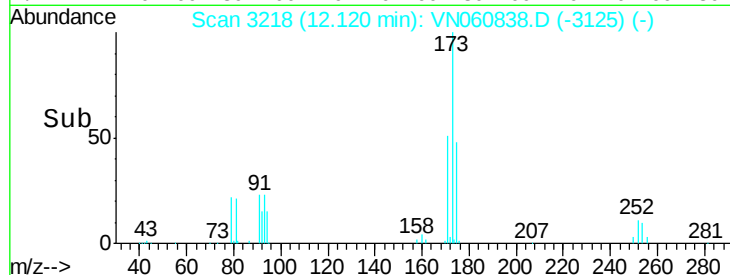
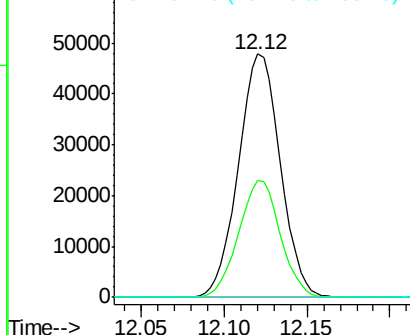
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

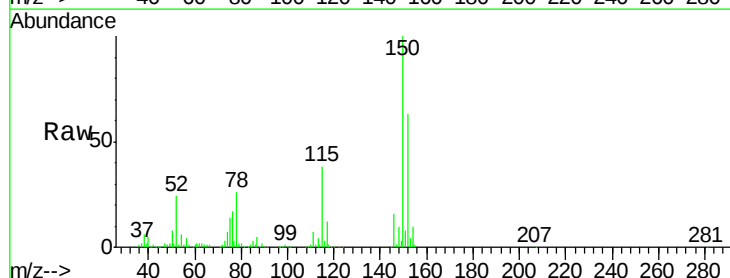
Tgt Ion:152 Resp: 141766

Ion Ratio Lower Upper

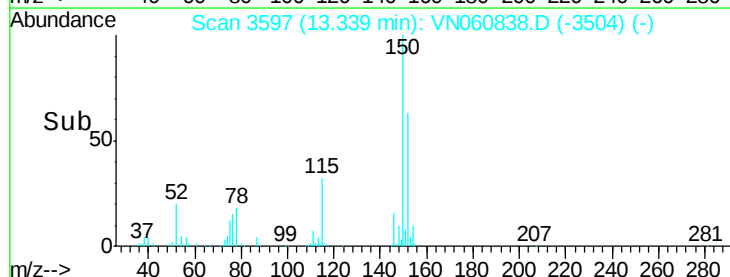
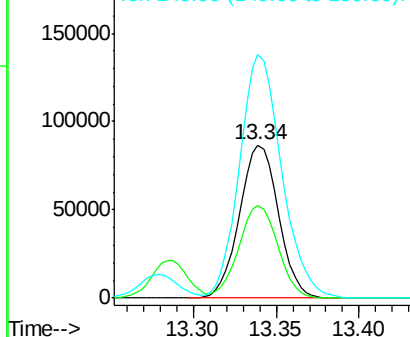
152 100

115 60.8 30.2 90.6

150 172.0 0.0 350.2



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





#73

Isopropylbenzene

Concen: 47.622 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 506650

Ion Ratio Lower Upper

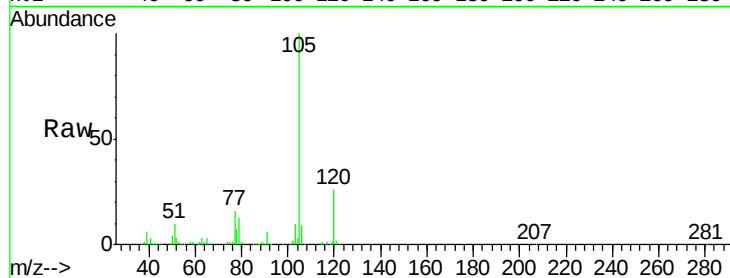
105 100

120 25.8 13.1 39.1

Manual Integrations
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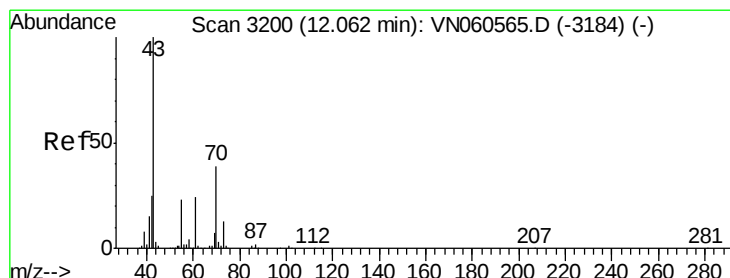
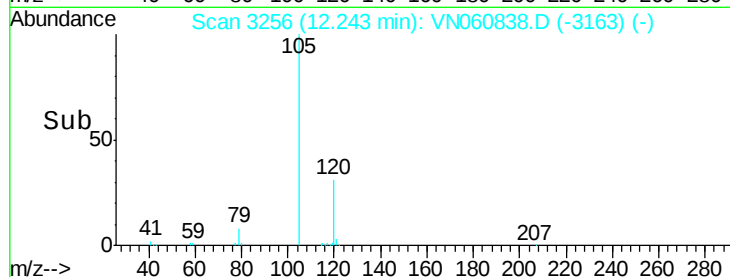
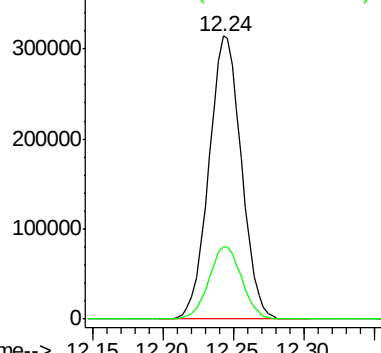
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.528 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Tgt Ion: 43 Resp: 248404

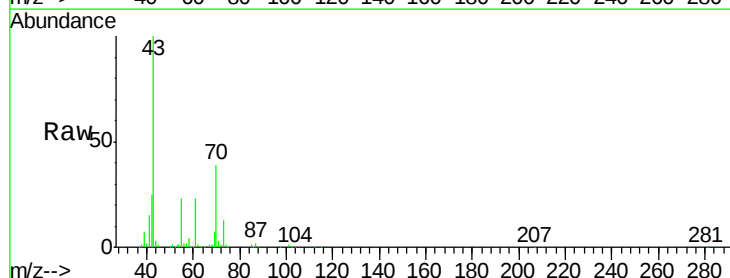
Ion Ratio Lower Upper

43 100

70 38.9 31.1 46.7

55 23.2 18.6 27.8

61 22.9 18.9 28.3

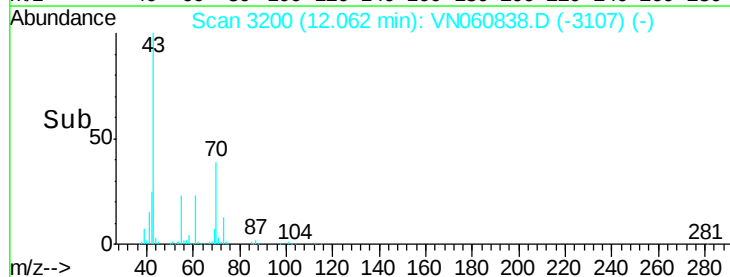
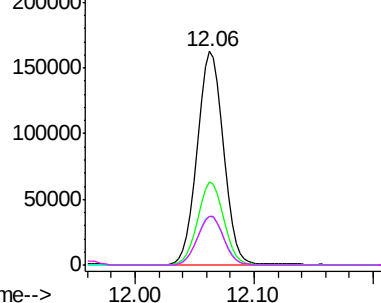


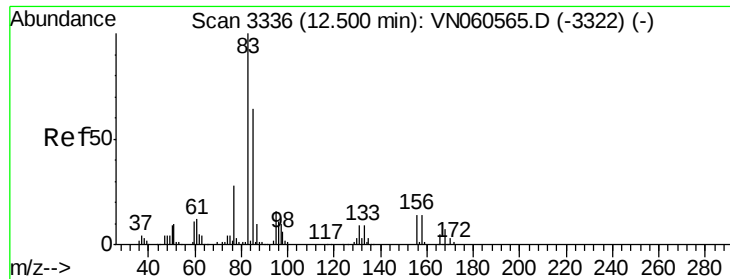
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 50.202 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

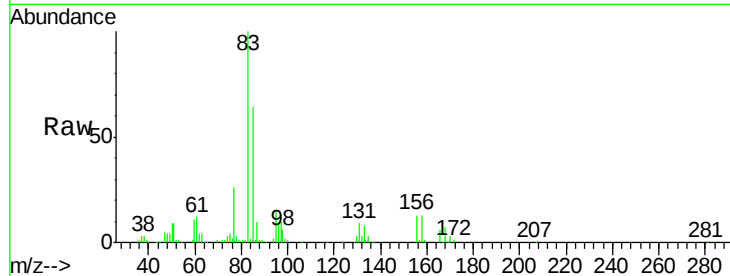
ClientSampleId :

VSTDCCC050EC

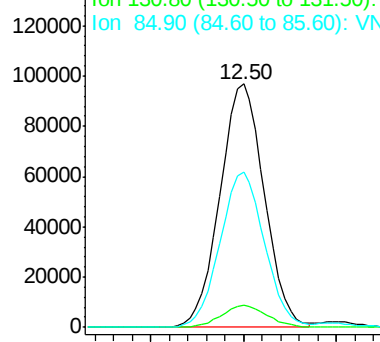
Tot Ion:	83	Resp:	161516
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	63.8	32.5	97.4

Manual Integrations
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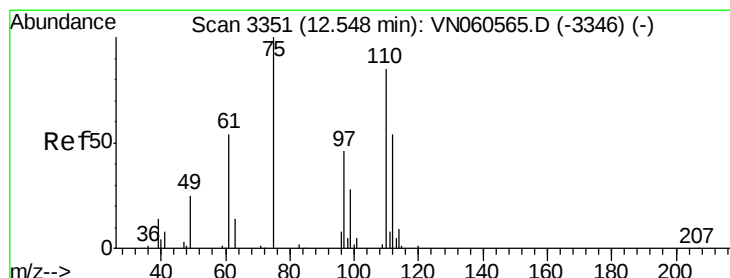
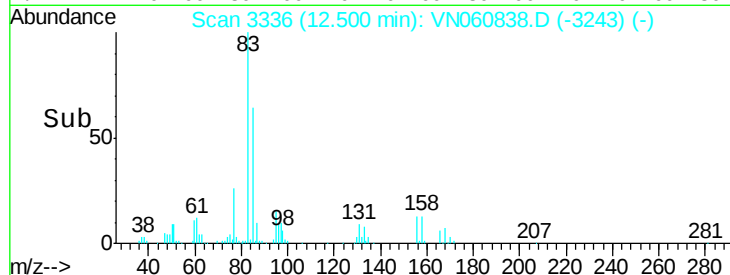
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN060838.D (-3243) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 48.260 ug/l m

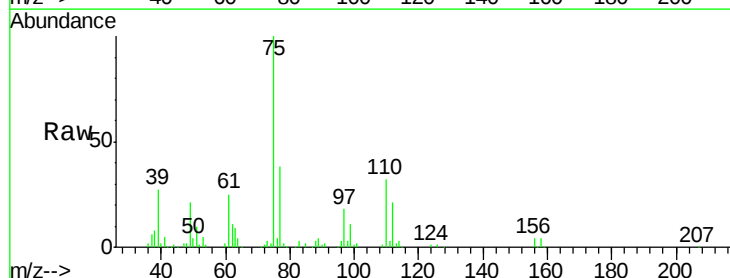
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

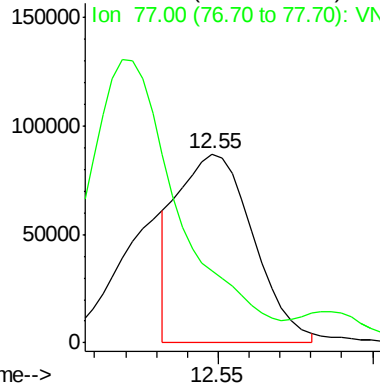
Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

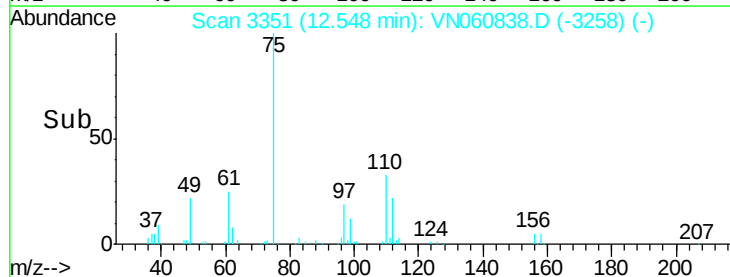
Tgt Ion:	75	Resp:	147628
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060838.D (-3258) (-)



Time-->





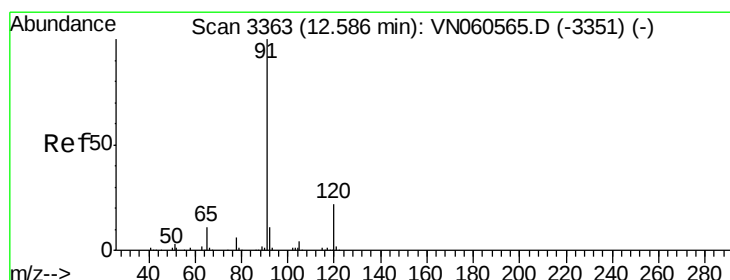
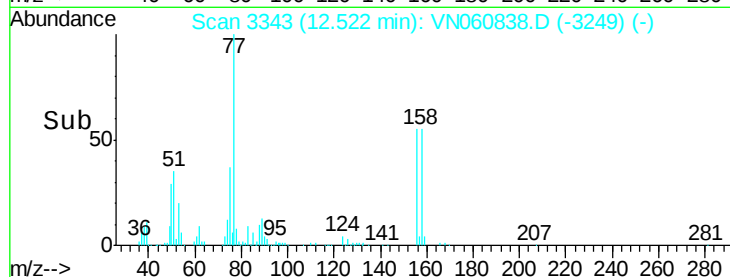
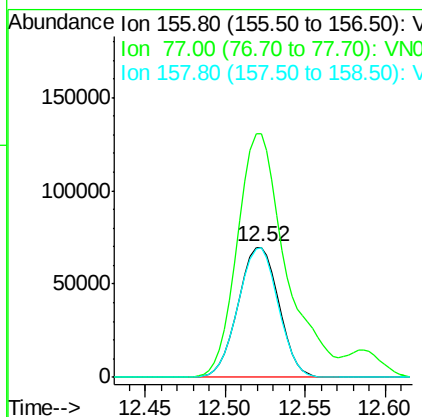
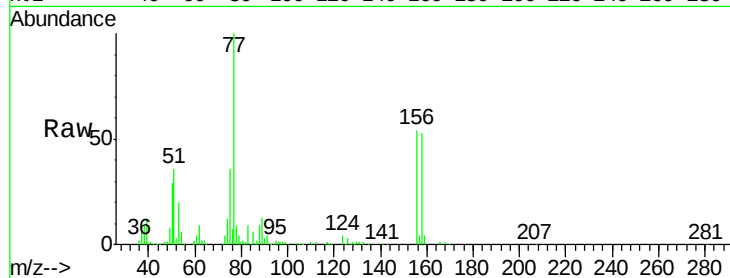
#77
Bromobenzene
Concen: 47.134 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.7	112.3	337.0
158	98.2	48.6	145.8

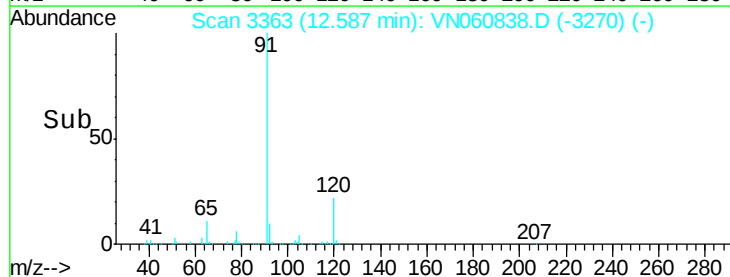
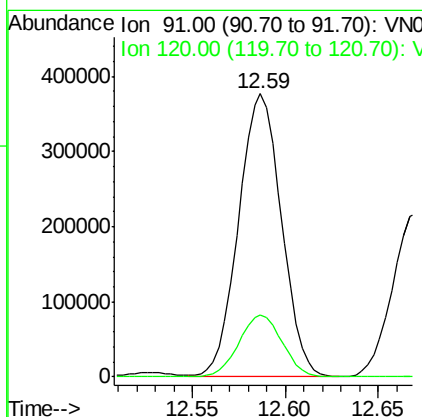
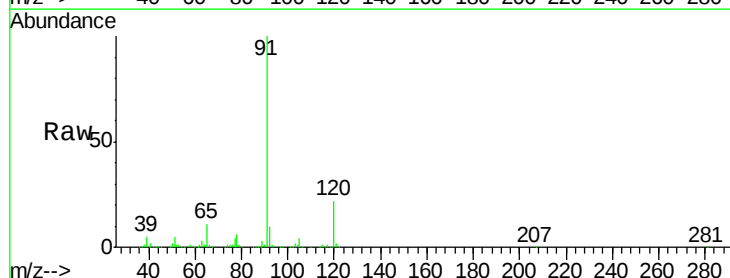
Manual Integrations
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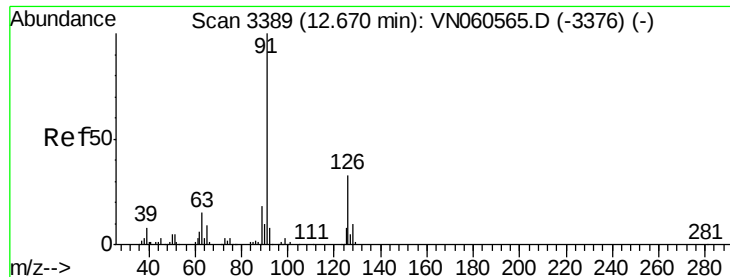
MMDadoda
4/3/2020 12:06:32 PM



#78
n-propylbenzene
Concen: 47.886 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.8





#79

2-Chlorotoluene

Concen: 47.361 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 355685

Ion Ratio Lower Upper

91 100

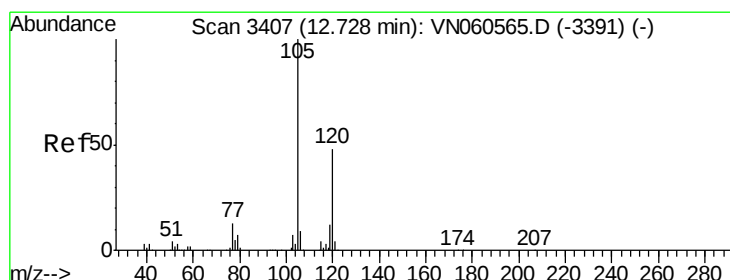
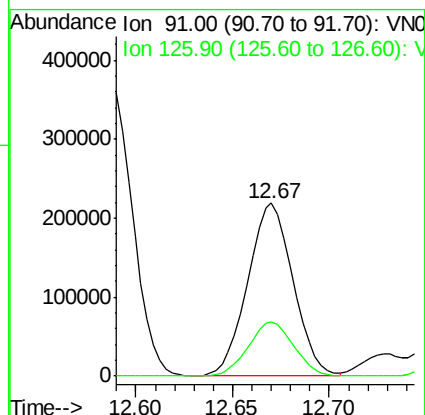
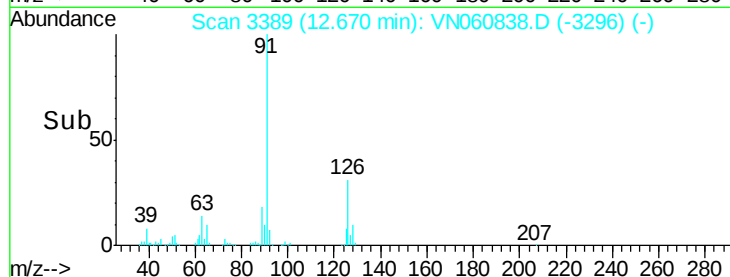
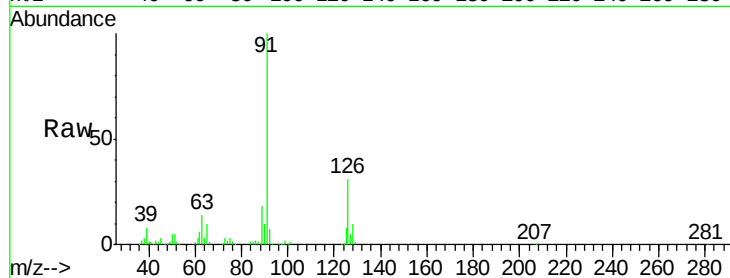
126 31.5 16.4 49.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.398 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060838.D

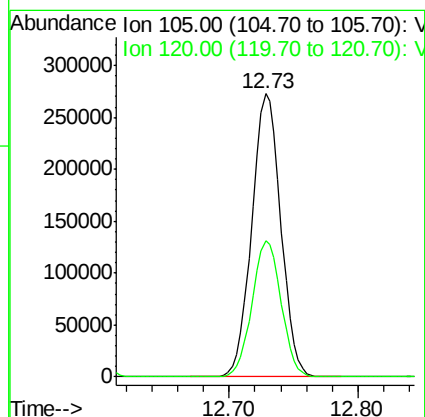
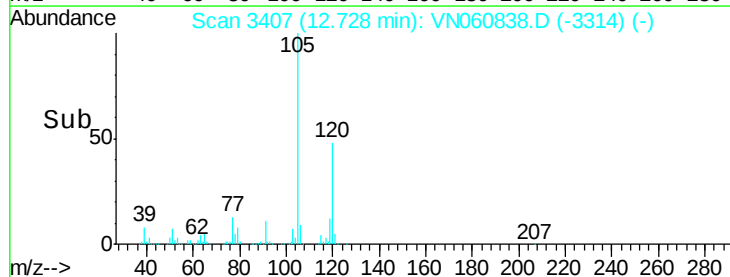
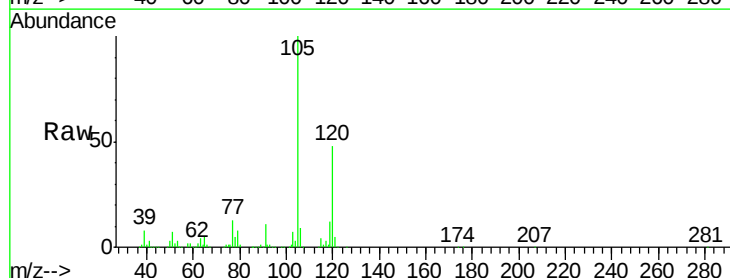
Acq: 2 Apr 2020 21:36

Tgt Ion: 105 Resp: 427934

Ion Ratio Lower Upper

105 100

120 48.3 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 47.624 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Instrument :

MSVOA_N

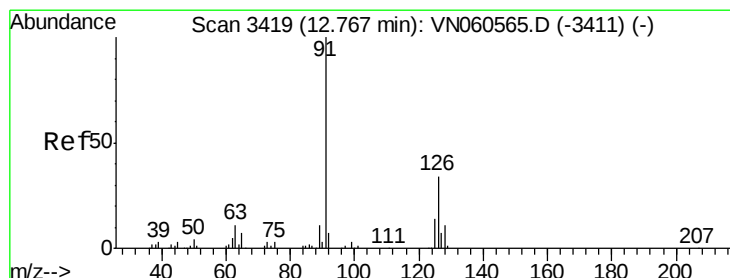
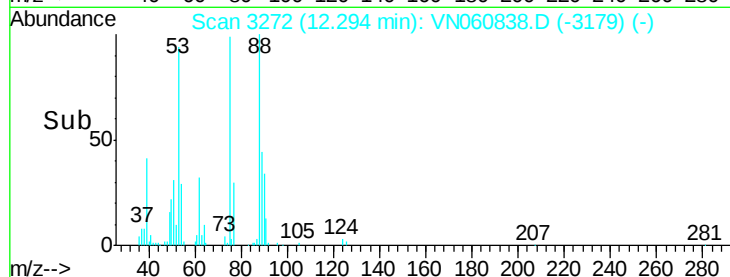
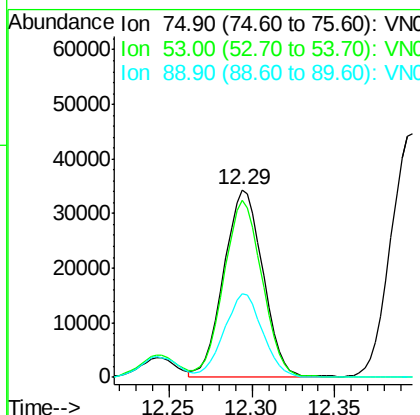
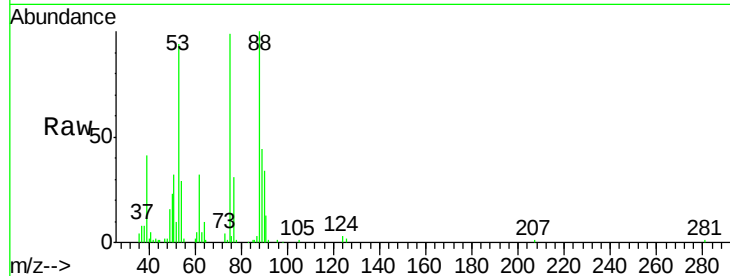
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	56723
Ion	Ratio	Lower	Upper
75	100		
53	92.5	73.0	109.4
89	43.6	34.8	52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.644 ug/l

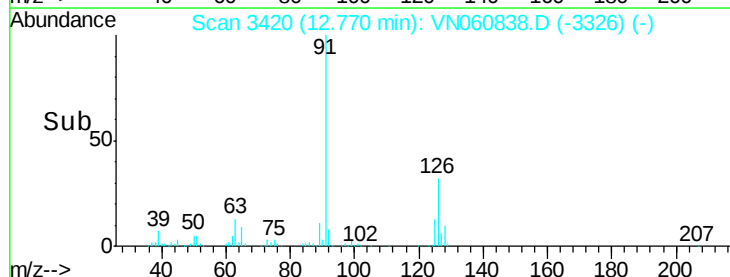
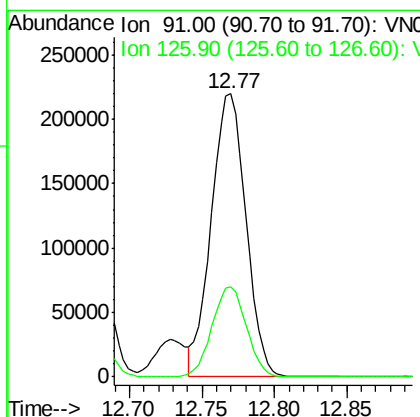
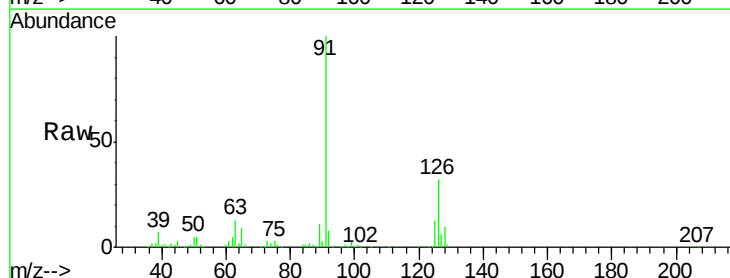
RT: 12.77 min Scan# 3420

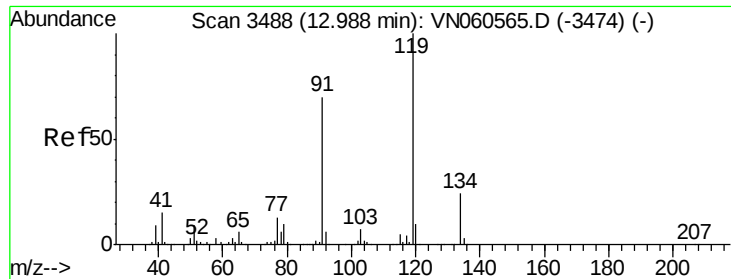
Delta R.T. 0.00 min

Lab File: VN060838.D

Acq: 2 Apr 2020 21:36

Tgt Ion:	91	Resp:	364431
Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.2	48.5





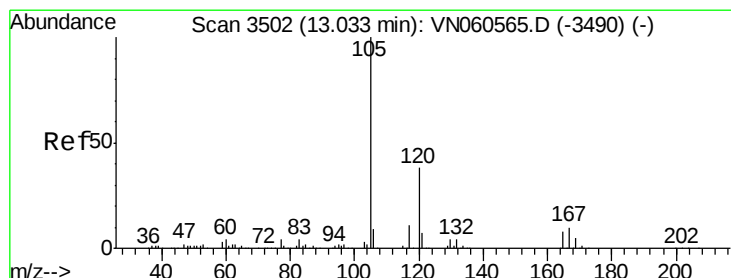
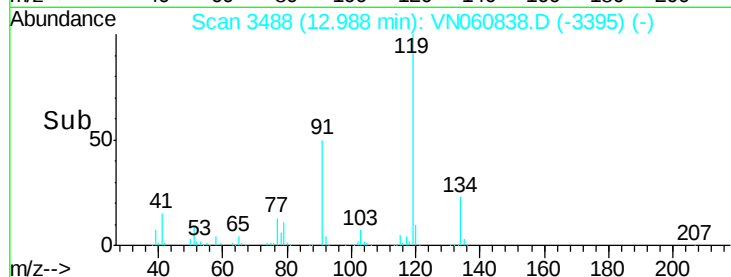
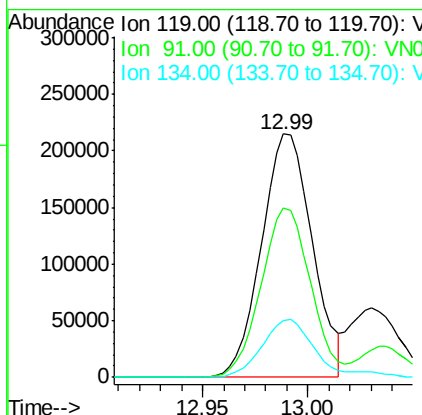
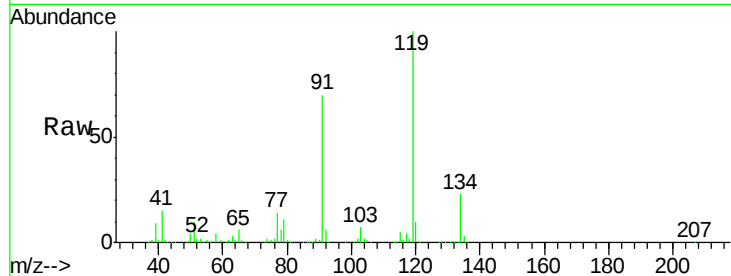
#83
tert-Butylbenzene
Concen: 48.228 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	34.0	101.8
134	23.6	12.7	38.0

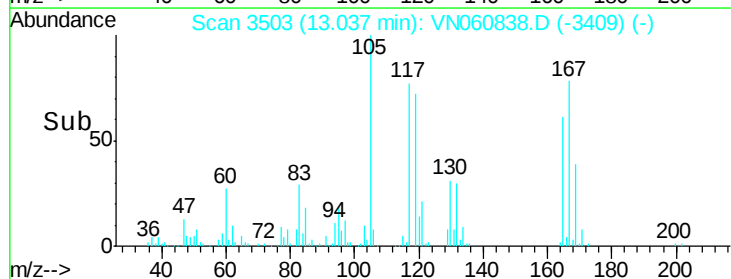
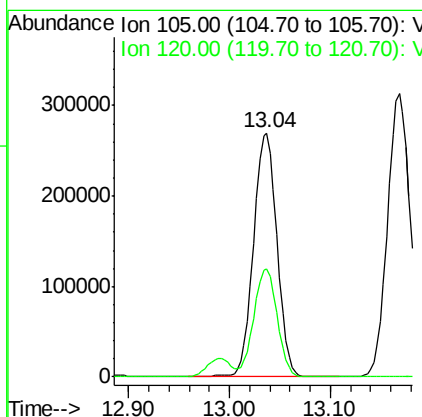
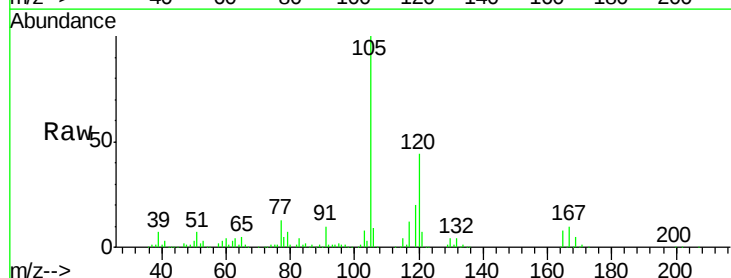
Manual Integrations
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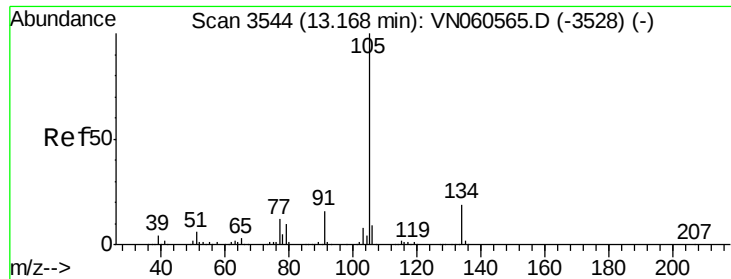
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.312 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.5





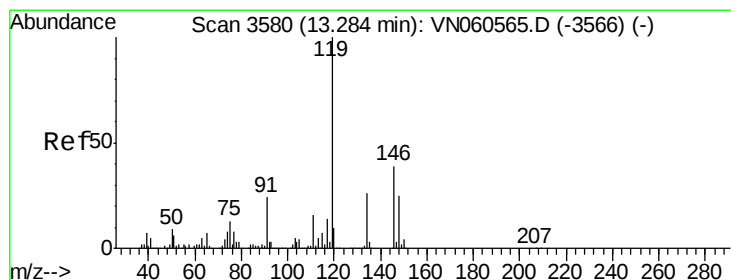
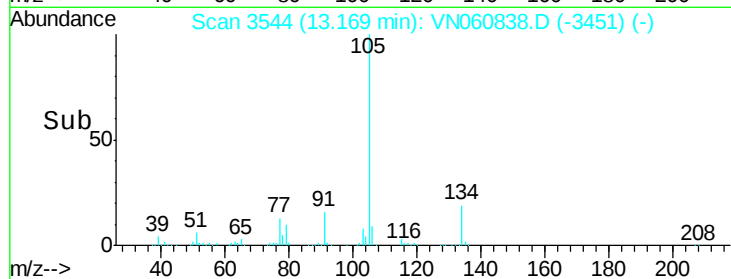
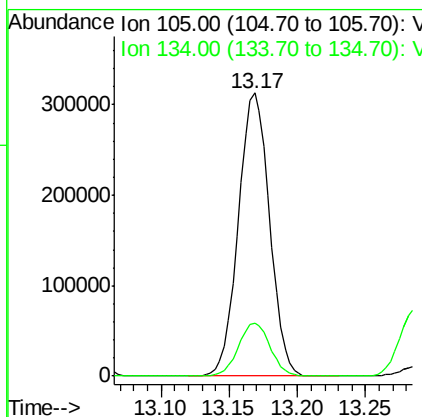
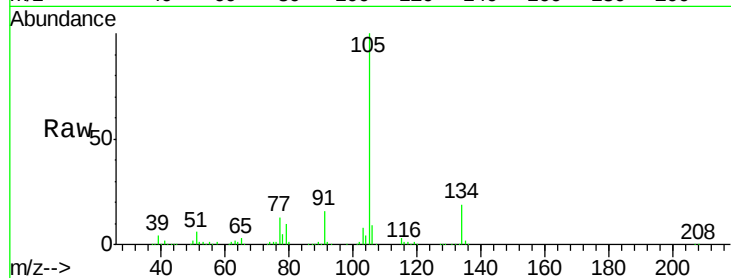
#85
 sec-Butylbenzene
 Concen: 49.340 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060838.D
 Acq: 2 Apr 2020 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.8

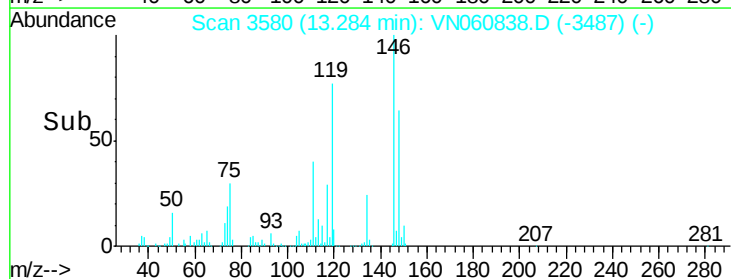
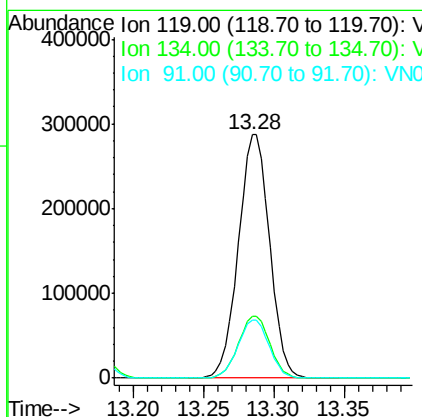
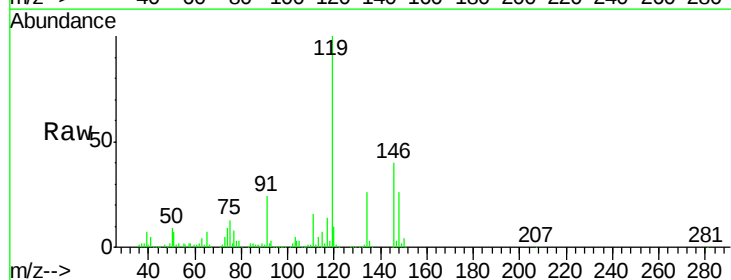
Manual Integrations
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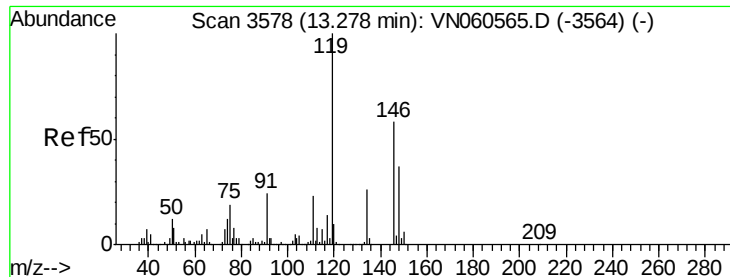
MMDadoda
 4/3/2020 12:06:32 PM



#86
 p-Isopropyltoluene
 Concen: 49.110 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060838.D
 Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	39.0
91	24.0	12.0	36.0





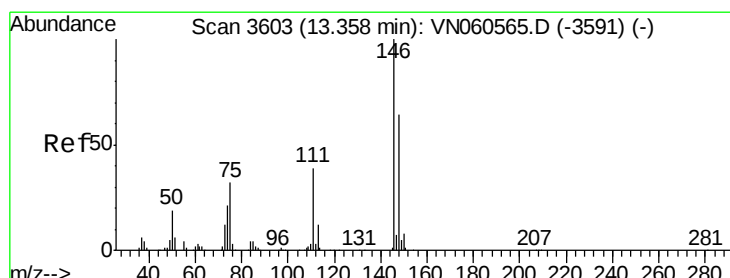
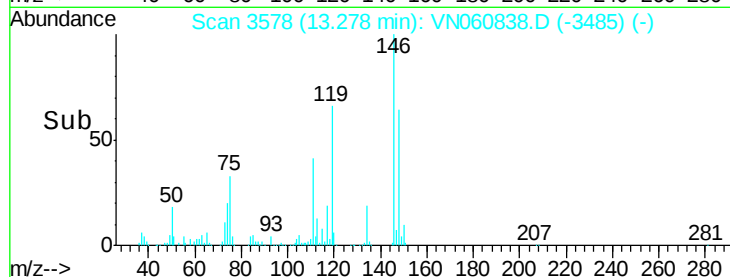
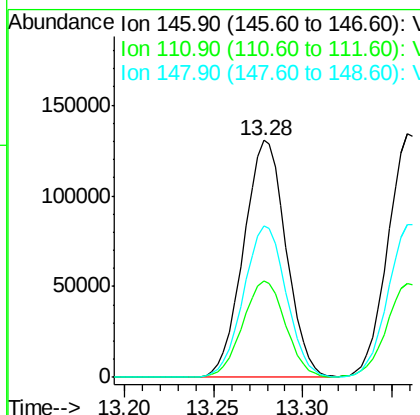
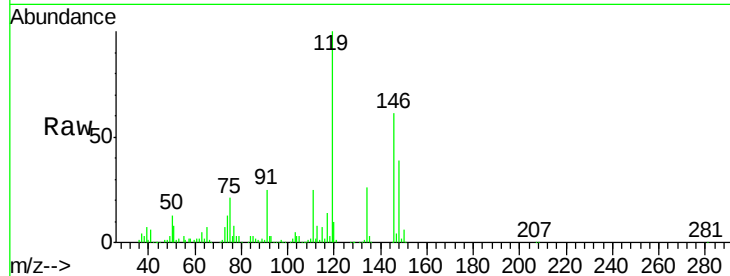
#87
 1,3-Dichlorobenzene
 Concen: 48.111 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060838.D
 Acq: 2 Apr 2020 21:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	60.8
148	64.1	32.5	97.4

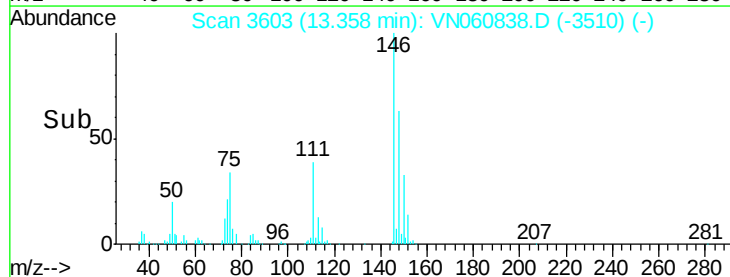
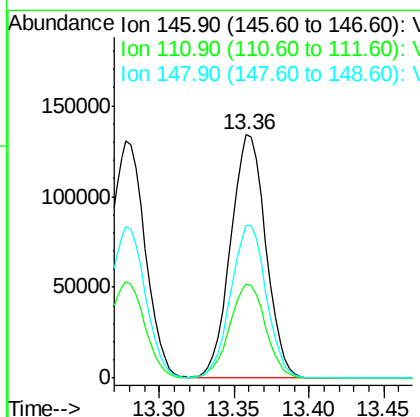
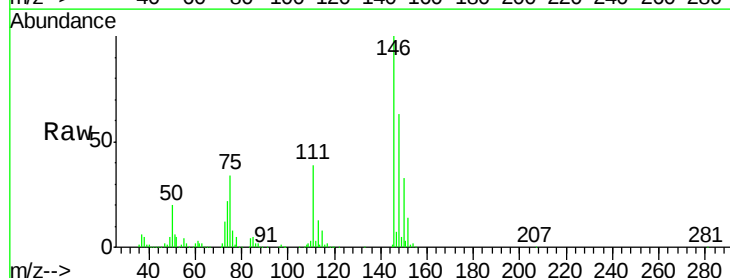
Manual Integrations
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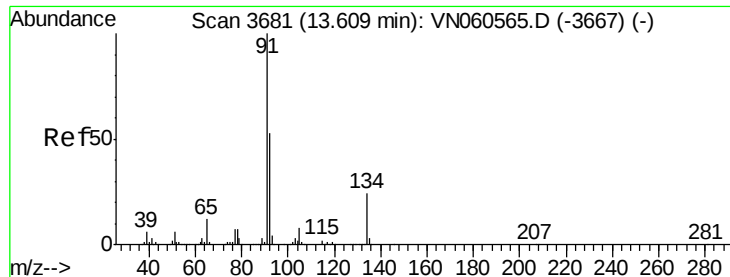
MMDadoda
 4/3/2020 12:06:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.394 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060838.D
 Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.7
148	63.1	32.1	96.3





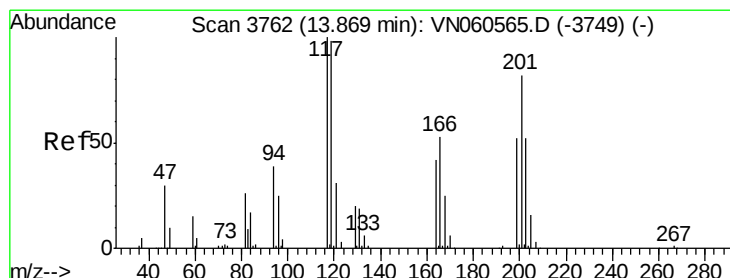
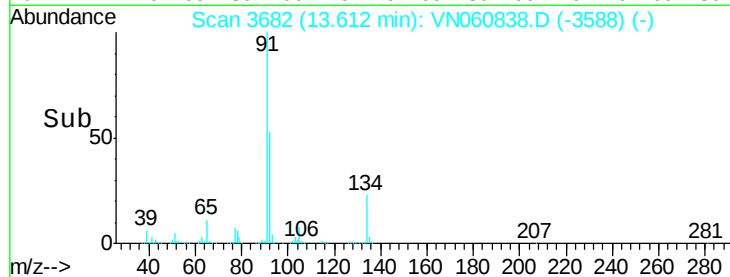
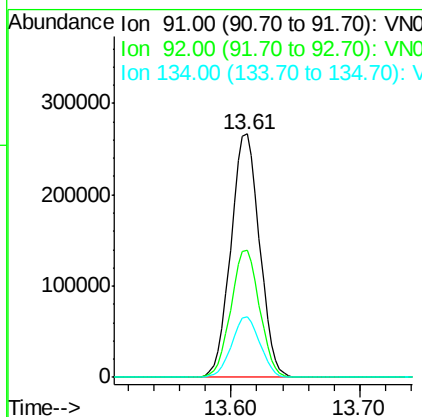
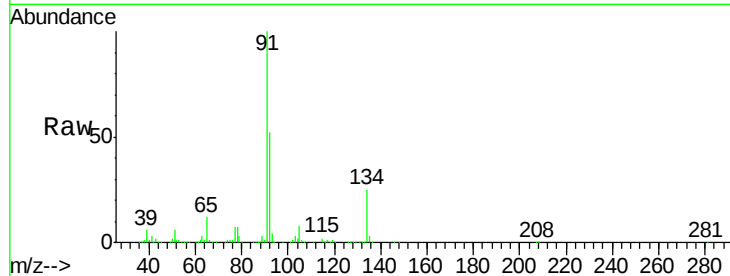
#89
n-Butylbenzene
Concen: 50.364 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	24.5	12.3	36.9

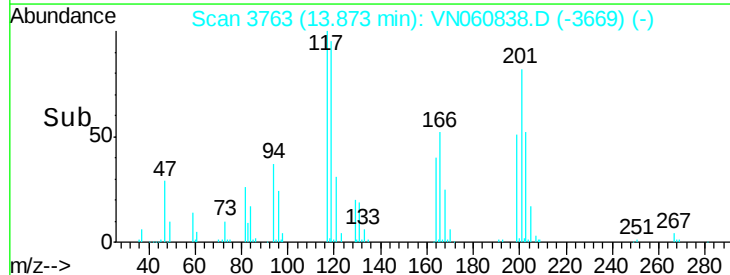
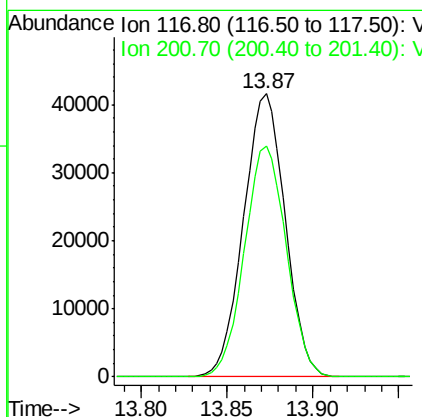
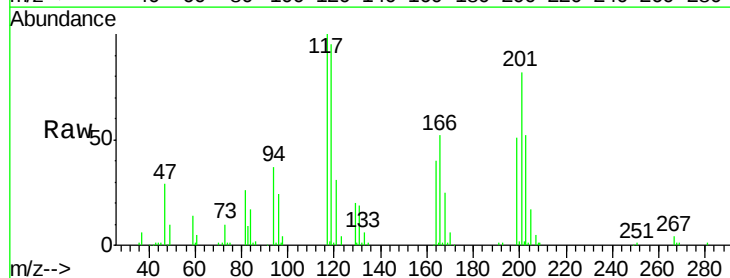
Manual Integrations
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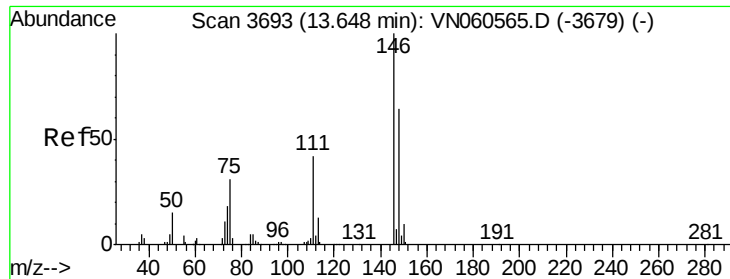
MMDadoda
4/3/2020 12:06:32 PM



#90
Hexachloroethane
Concen: 53.088 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	40.8	122.5





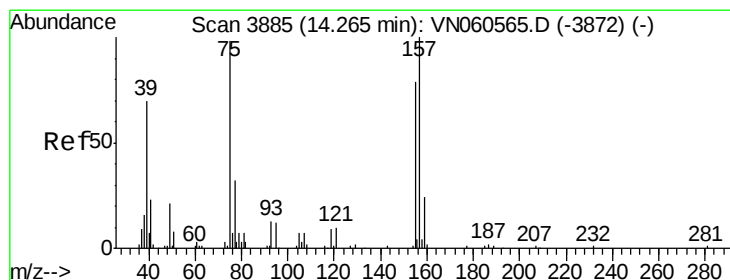
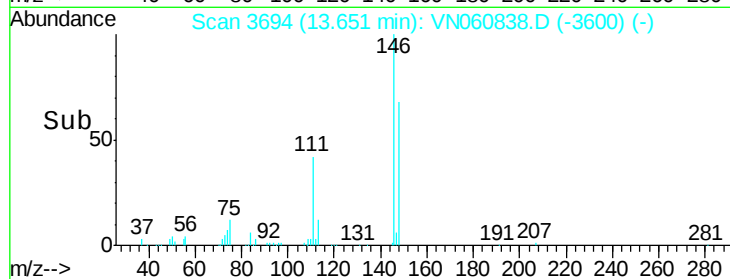
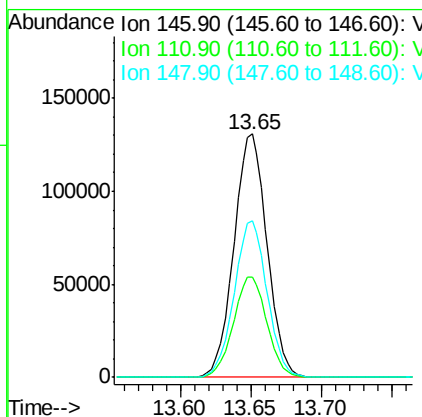
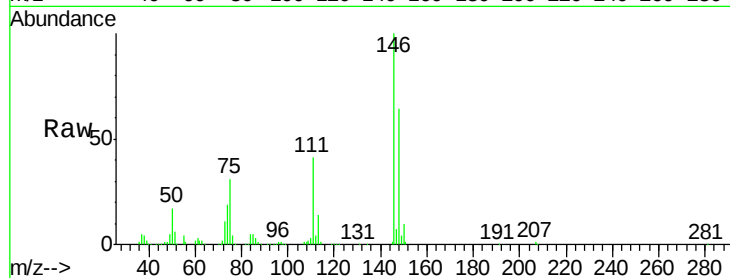
#91
 1,2-Dichlorobenzene
 Concen: 49.735 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060838.D
 Acq: 2 Apr 2020 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	215026		
111	41.6	21.0	63.0	
148	63.8	31.9	95.5	

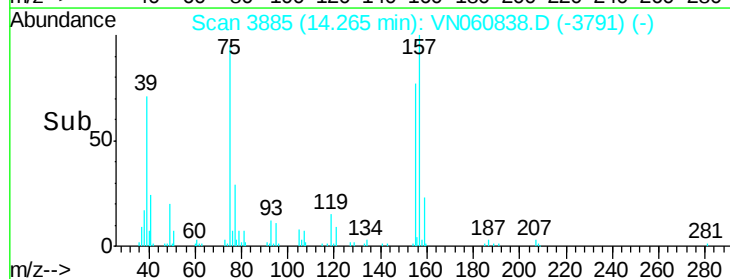
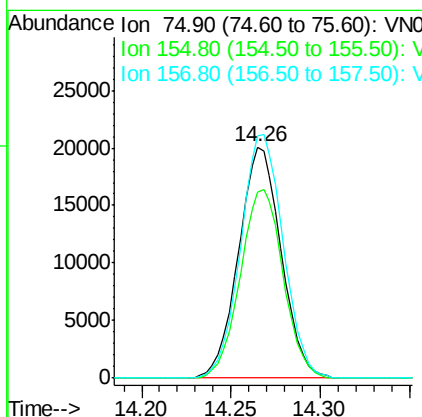
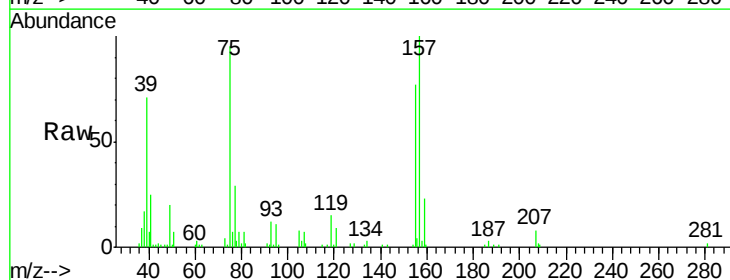
Manual Integrations
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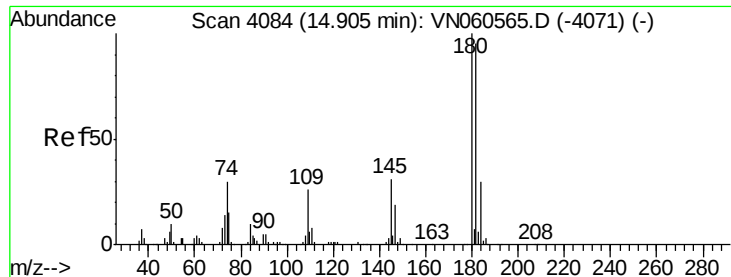
MMDadoda
 4/3/2020 12:06:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.469 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060838.D
 Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33338		
155	81.8	40.7	122.1	
157	105.7	51.5	154.7	





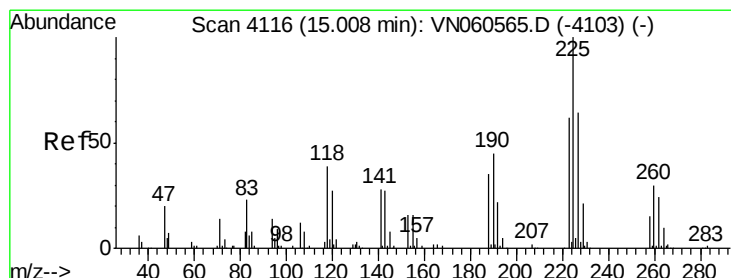
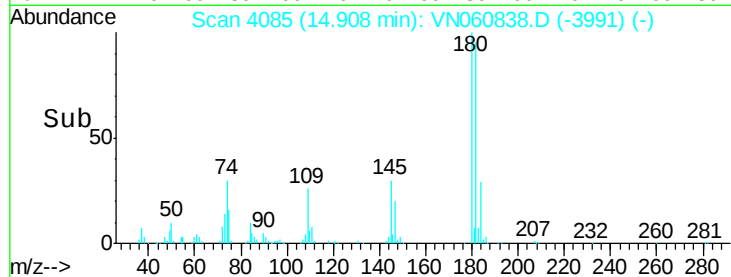
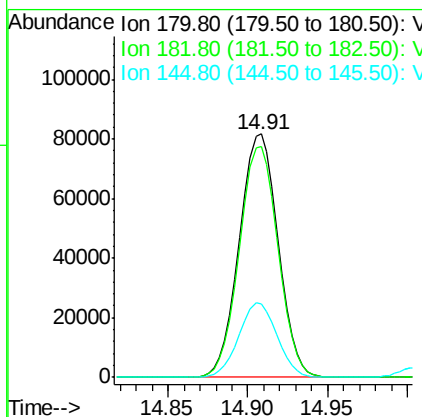
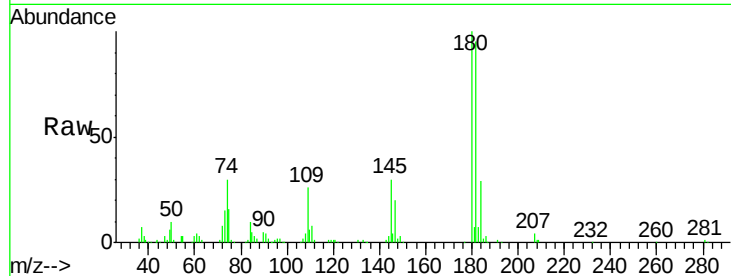
#93
 1,2,4-Trichlorobenzene
 Concen: 50.740 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060838.D
 Acq: 2 Apr 2020 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.8
145	30.2	15.4	46.2

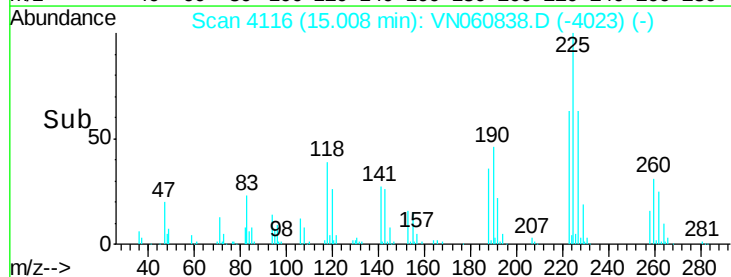
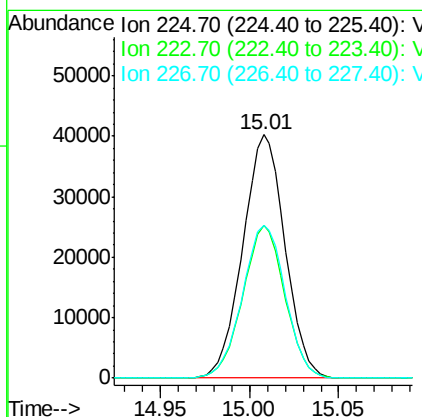
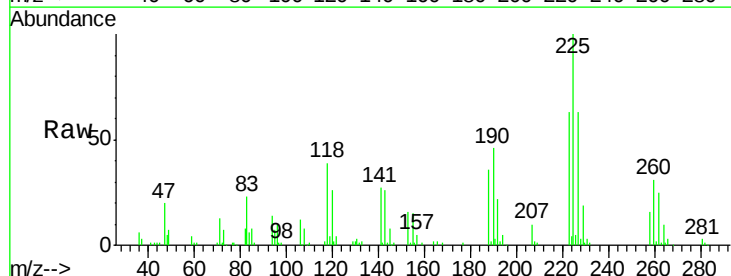
Manual Integrations
 APPROVED

MMDadoda
 4/3/2020 12:06:32 PM



#94
 Hexachlorobutadiene
 Concen: 50.992 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060838.D
 Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.6	95.0
227	63.8	32.3	96.8





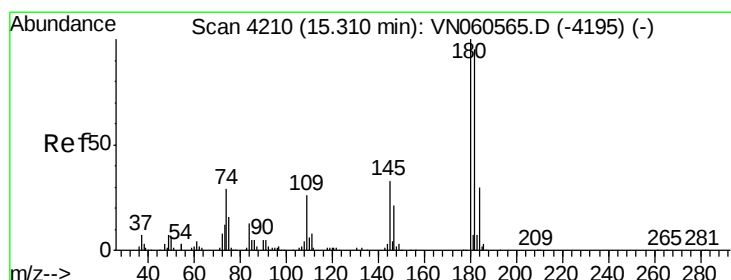
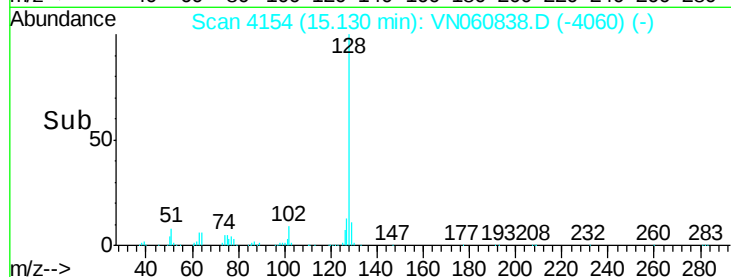
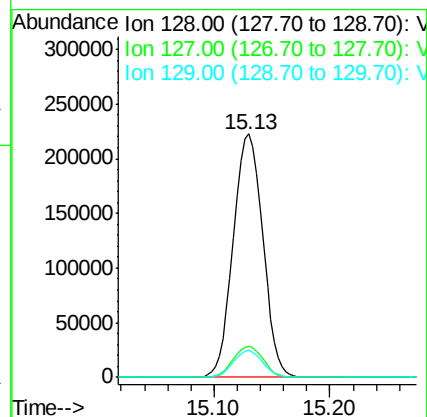
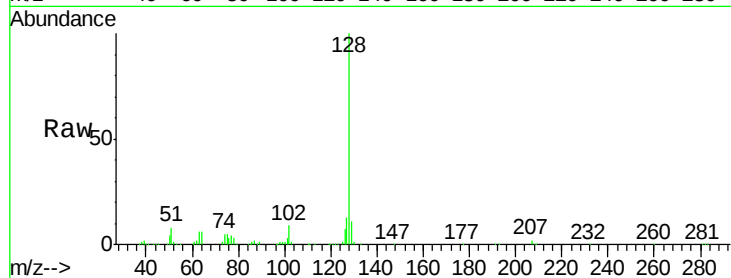
#95
Naphthalene
Concen: 49.082 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:06:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.056 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060838.D
Acq: 2 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.6
145	32.4	16.3	48.8

