

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060161.D
 Acq On : 20 Feb 2020 9:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 9:14:30 AM

Quant Time: Feb 21 02:38:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	188173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	292150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	278821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	117032	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.56	113	95975	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	10.08	98	369085	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.40	95	139799	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96625	51.372	ug/l	99
3) Chloromethane	2.04	50	107725	48.127	ug/l	99
4) Vinyl Chloride	2.17	62	123225	48.298	ug/l	99
5) Bromomethane	2.54	94	77906	49.799	ug/l	97
6) Chloroethane	2.68	64	64266	49.801	ug/l	99
7) Trichlorofluoromethane	3.00	101	162316	49.345	ug/l	100
8) Diethyl Ether	3.38	74	56333	51.447	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92504	50.652	ug/l	99
10) Methyl Iodide	3.93	142	125890	51.228	ug/l	99
11) Tert butyl alcohol	4.72	59	82970	242.143	ug/l	100
12) 1,1-Dichloroethene	3.72	96	89581	50.352	ug/l	98
13) Acrolein	3.57	56	75876	224.029	ug/l	97
14) Allyl chloride	4.29	41	129109	49.305	ug/l	98
15) Acrylonitrile	4.94	53	218294	260.869	ug/l	100
16) Acetone	3.78	43	278779	279.121	ug/l	99
17) Carbon Disulfide	4.03	76	253594	47.290	ug/l	98
18) Methyl Acetate	4.28	43	100270	53.443	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	300286	50.190	ug/l	99
20) Methylene Chloride	4.52	84	99647	50.008	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	97017	50.025	ug/l	100
22) Diisopropyl ether	5.91	45	296681	51.697	ug/l	98
23) Vinyl Acetate	5.86	43	1253324	260.063	ug/l	99
24) 1,1-Dichloroethane	5.82	63	176601	50.798	ug/l	99
25) 2-Butanone	6.80	43	345155	274.775	ug/l	98
26) 2,2-Dichloropropane	6.79	77	169709	51.395	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	114528	50.461	ug/l	99
28) Bromochloromethane	7.17	49	68964	50.458	ug/l #	99
29) Tetrahydrofuran	7.17	42	193142	250.634	ug/l	98
30) Chloroform	7.34	83	185262	50.872	ug/l	98
31) Cyclohexane	7.63	56	157048	48.494	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	169607	50.965	ug/l	100
36) 1,1-Dichloropropene	7.77	75	139163	51.427	ug/l	99
37) Ethyl Acetate	6.89	43	125912	51.485	ug/l	98
38) Carbon Tetrachloride	7.75	117	149959	51.026	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	173218	51.567	ug/l	99
40) Benzene	8.02	78	410649	51.158	ug/l	100
41) Methacrylonitrile	7.15	41	58117m	56.665	ug/l	
42) 1,2-Dichloroethane	8.10	62	146081	51.924	ug/l	99
43) Isopropyl Acetate	8.14	43	218409	52.244	ug/l	99
44) Trichloroethene	8.81	130	112672	50.693	ug/l	98
45) 1,2-Dichloropropane	9.10	63	106208	53.444	ug/l	99
46) Dibromomethane	9.19	93	73096	52.049	ug/l	99
47) Bromodichloromethane	9.38	83	151140	52.935	ug/l	98
48) Methyl methacrylate	9.18	41	96814	51.615	ug/l	99
49) 1,4-Dioxane	9.18	88	33627	1049.274	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	639579	264.312	ug/l	100
52) Toluene	10.14	92	265069	51.495	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	173590	53.863	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	178538	52.609	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	104605	52.090	ug/l	99
56) Ethyl methacrylate	10.42	69	153242	53.944	ug/l	98
57) 1,3-Dichloropropane	10.70	76	171128	51.644	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	300631	227.159	ug/l	100
59) 2-Hexanone	10.74	43	520452	278.432	ug/l	99
60) Dibromochloromethane	10.89	129	121268	52.623	ug/l	99
61) 1,2-Dibromoethane	10.99	107	112127	53.264	ug/l	99
64) Tetrachloroethene	10.62	164	106462	50.228	ug/l	98
65) Chlorobenzene	11.42	112	291885	51.383	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	111232	51.761	ug/l	100
67) Ethyl Benzene	11.50	91	528065	51.542	ug/l	100
68) m/p-Xylenes	11.61	106	399479	103.890	ug/l	100
69) o-Xylene	11.94	106	190759	51.524	ug/l	99
70) Styrene	11.96	104	318616	53.367	ug/l	100
71) Bromoform	12.12	173	92593	53.571	ug/l #	98
73) Isopropylbenzene	12.24	105	528194	50.065	ug/l	100
74) N-amyl acetate	12.06	43	200121	52.603	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	152470	50.209	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	133524m	49.398	ug/l	
77) Bromobenzene	12.52	156	131658	50.285	ug/l	99
78) n-propylbenzene	12.59	91	611814	50.899	ug/l	100
79) 2-Chlorotoluene	12.67	91	348897	49.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	445934	50.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58125	52.652	ug/l	99
82) 4-Chlorotoluene	12.77	91	368724	50.869	ug/l	100
83) tert-Butylbenzene	12.99	119	385704	49.705	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	445408	51.439	ug/l	100
85) sec-Butylbenzene	13.17	105	520737	50.671	ug/l	100
86) p-Isopropyltoluene	13.28	119	482254	51.793	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	240232	51.835	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	237876	51.337	ug/l	99
89) n-Butylbenzene	13.61	91	433595	52.944	ug/l	99
90) Hexachloroethane	13.87	117	87661	50.395	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	230816	50.890	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31875	49.357	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	142330	53.408	ug/l	100
94) Hexachlorobutadiene	15.00	225	78503	50.318	ug/l	99
95) Naphthalene	15.13	128	361585	50.228	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	136650	51.490	ug/l	99

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

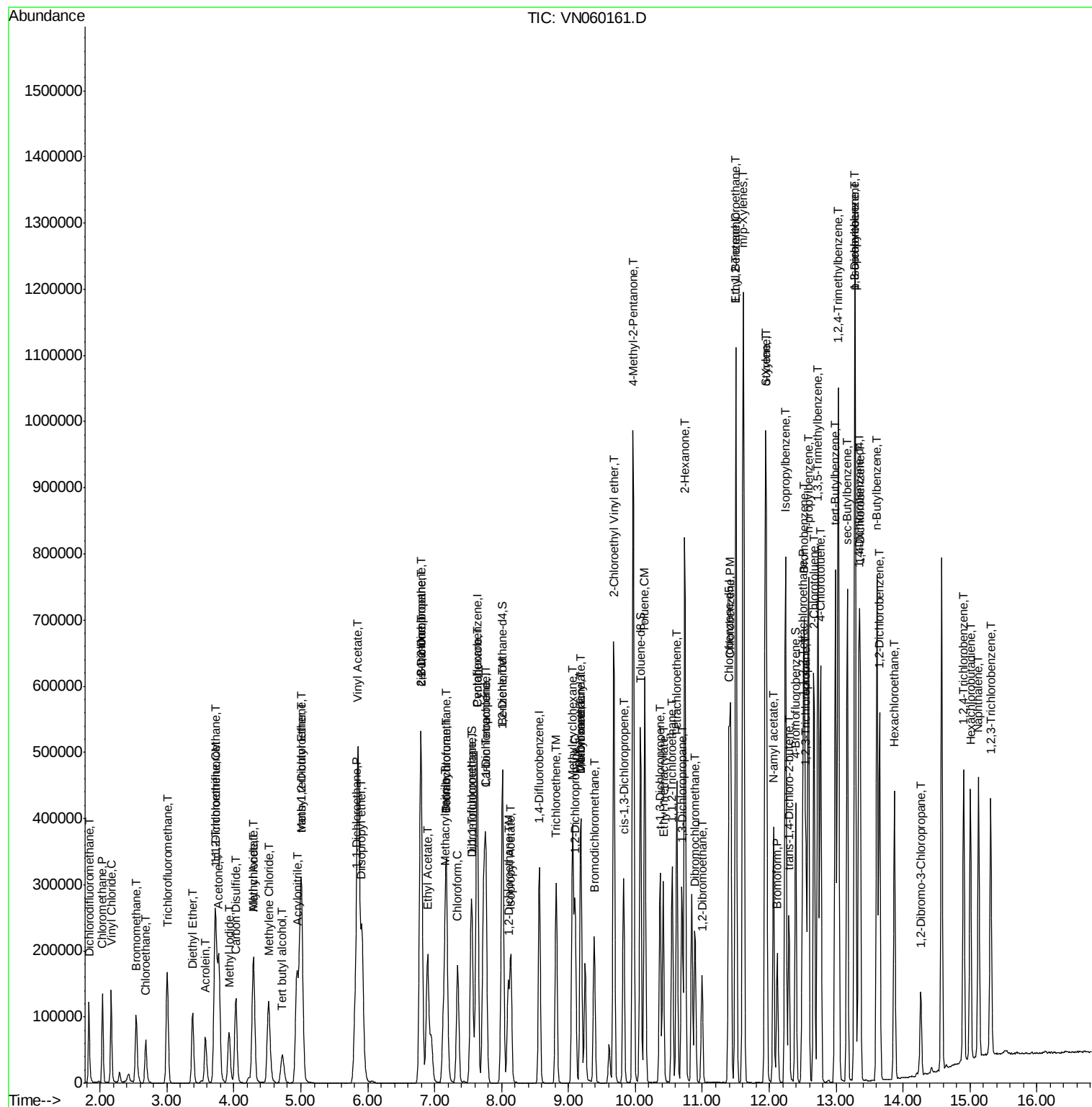
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022020\
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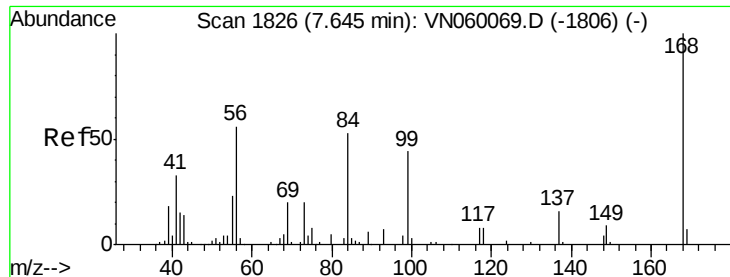
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 188173

Ion Ratio Lower Upper

168 100

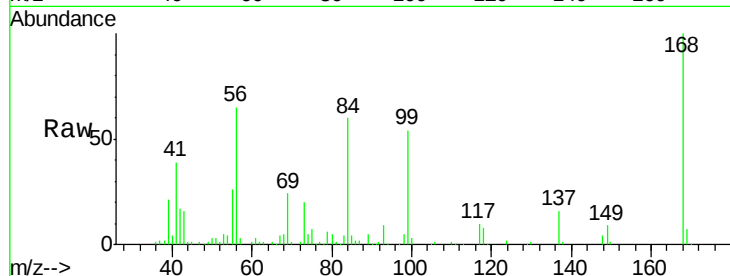
99 54.2 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

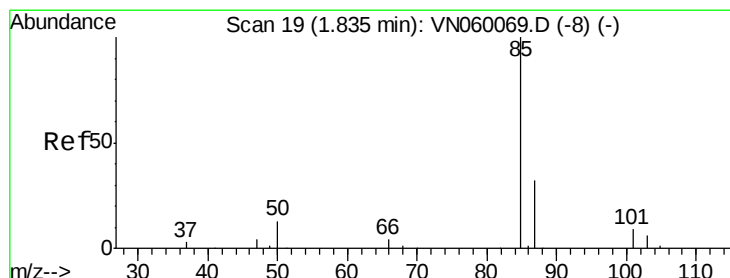
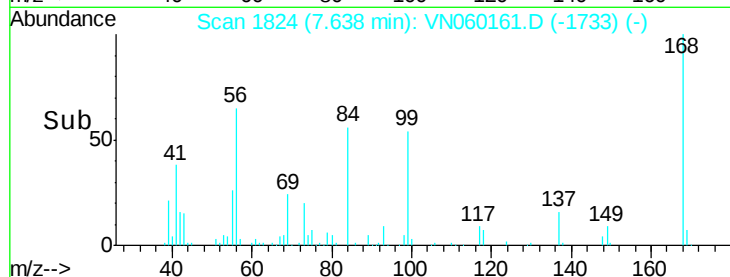
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 51.372 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060161.D

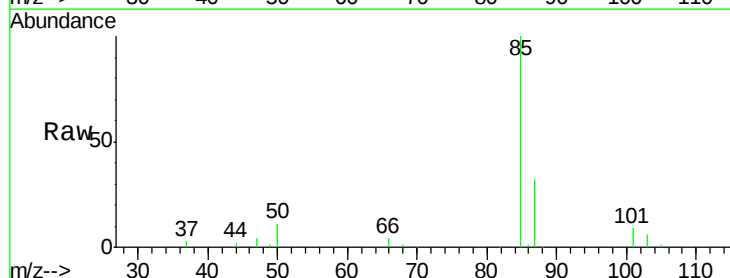
Acq: 20 Feb 2020 9:54

Tgt Ion: 85 Resp: 96625

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

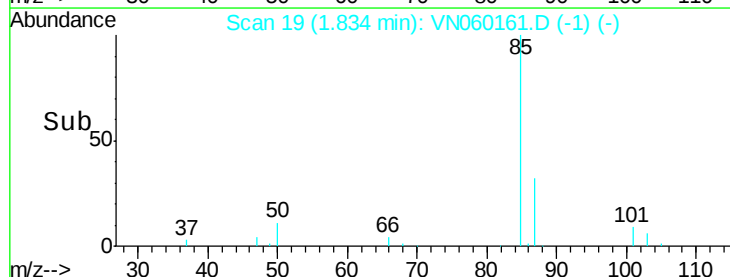
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20000

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1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.127 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 107725

Ion Ratio Lower Upper

50 100

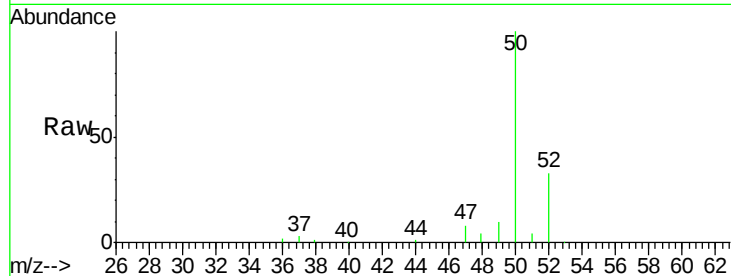
52 32.7 25.6 38.4

Manual Integrations

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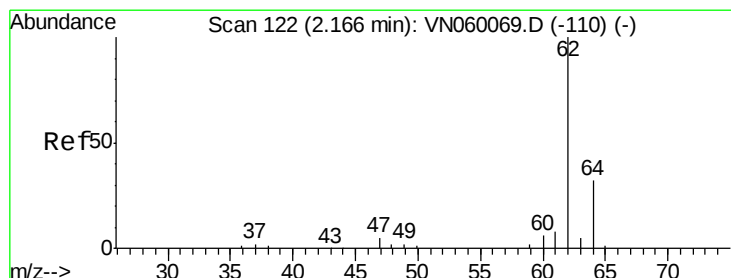
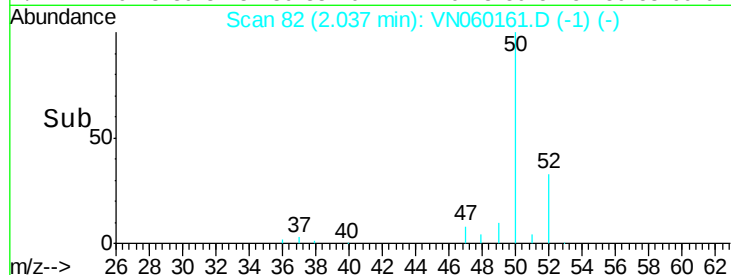
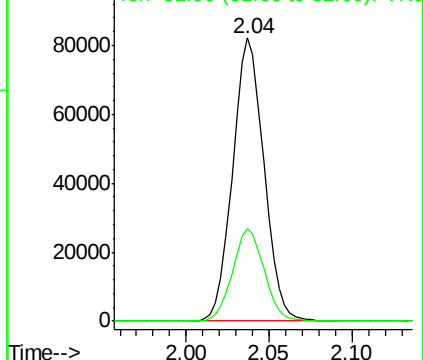
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 48.298 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060161.D

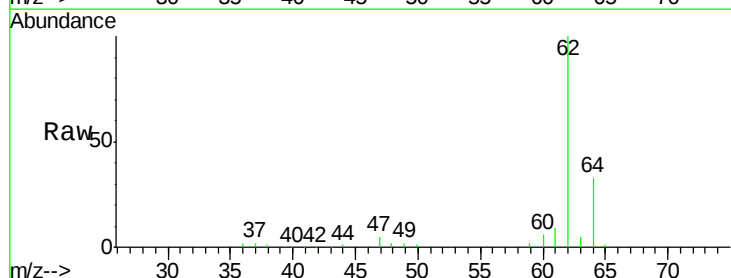
Acq: 20 Feb 2020 9:54

Tgt Ion: 62 Resp: 123225

Ion Ratio Lower Upper

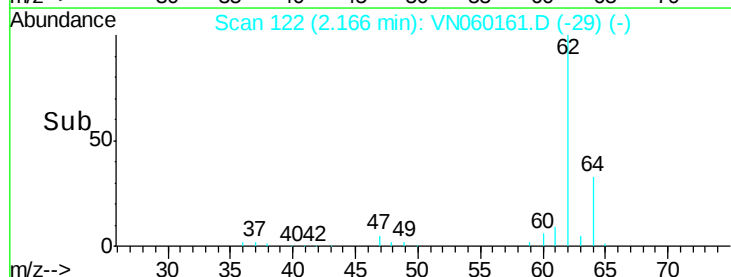
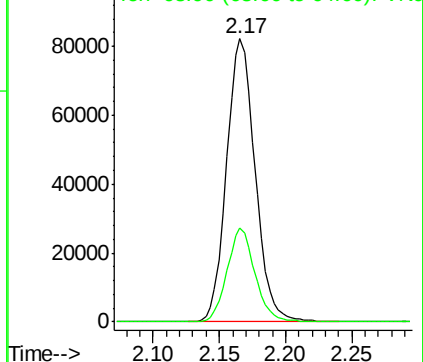
62 100

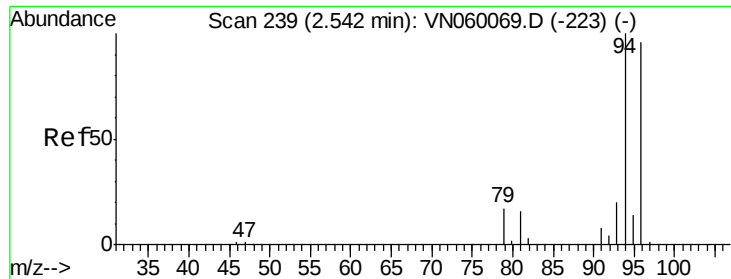
64 33.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 49.799 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 77906

Ion Ratio Lower Upper

94 100

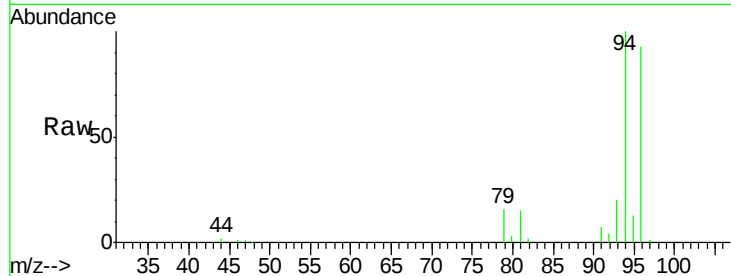
96 93.0 76.7 115.1

Manual Integrations

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2/21/2020 9:14:30 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

40000

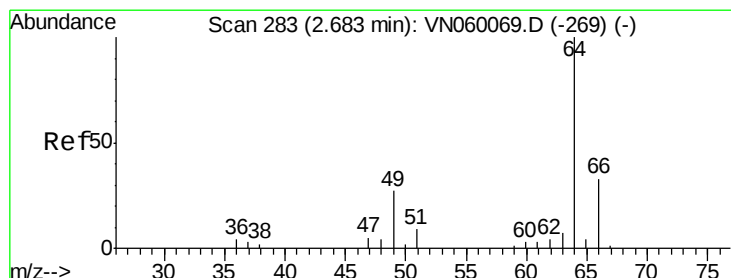
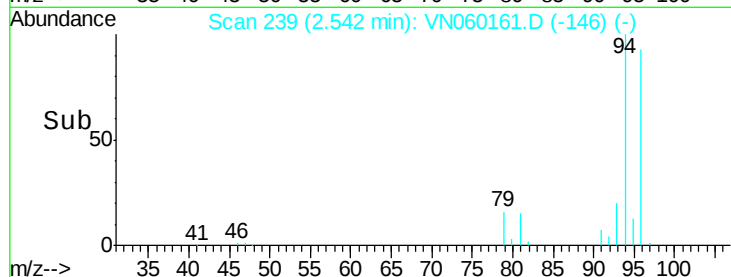
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 49.801 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060161.D

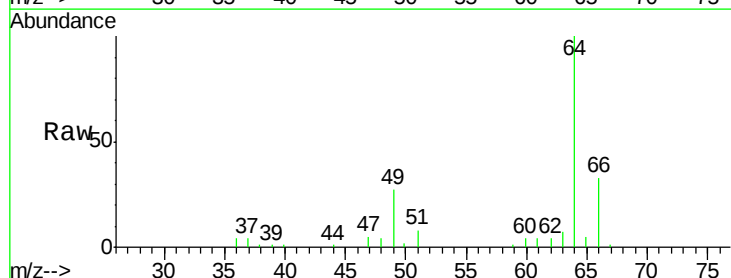
Acq: 20 Feb 2020 9:54

Tgt Ion: 64 Resp: 64266

Ion Ratio Lower Upper

64 100

66 32.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

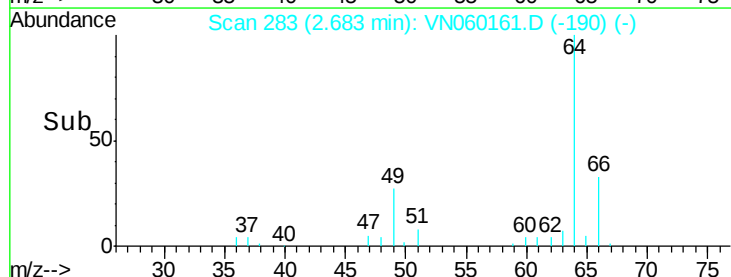
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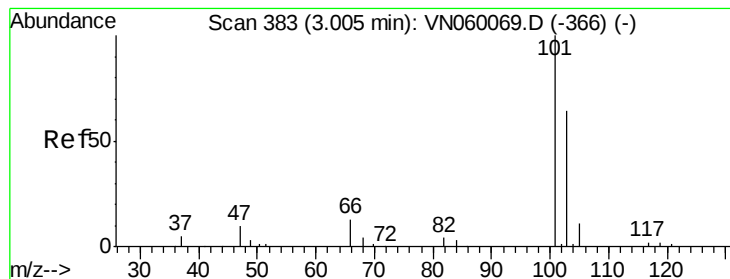
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Time-->





#7

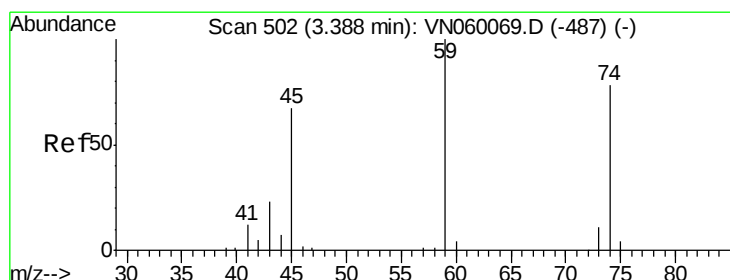
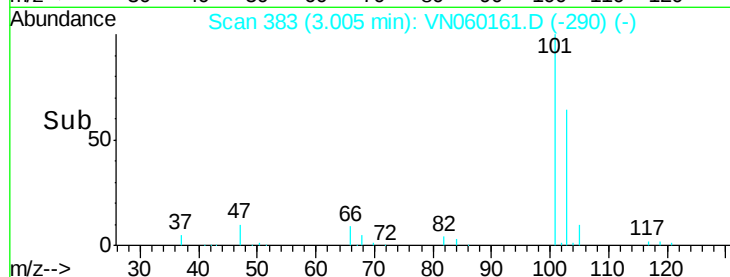
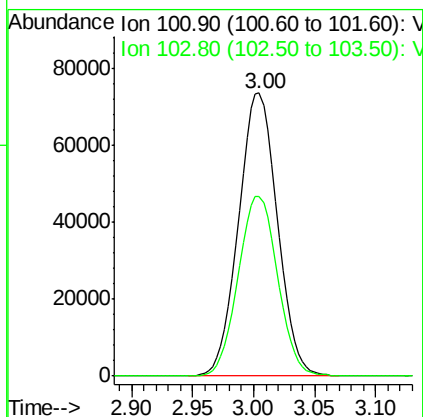
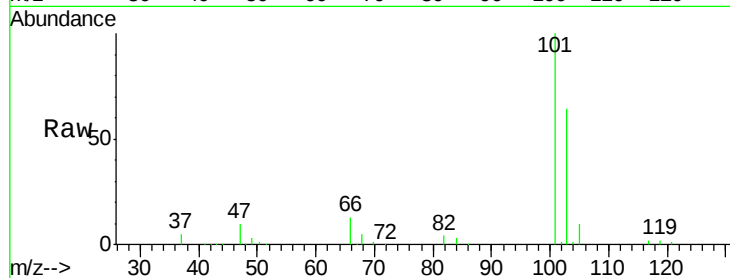
Trichlorofluoromethane
 Concen: 49.345 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		162316		
103	63.6	51.0	76.6		

Manual Integrations
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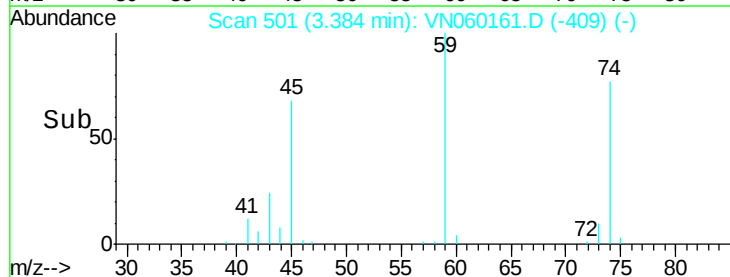
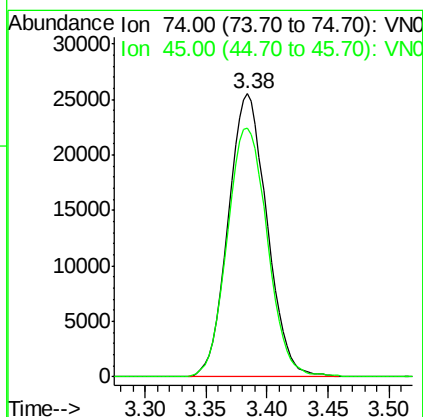
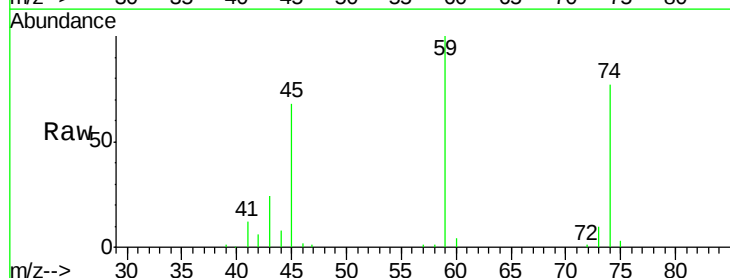
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 2/21/2020 9:14:30 AM



#8

Diethyl Ether
 Concen: 51.447 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060161.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		56333		
45	91.3	44.7	134.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.652 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

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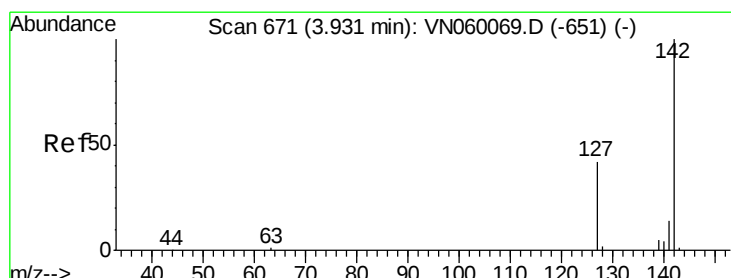
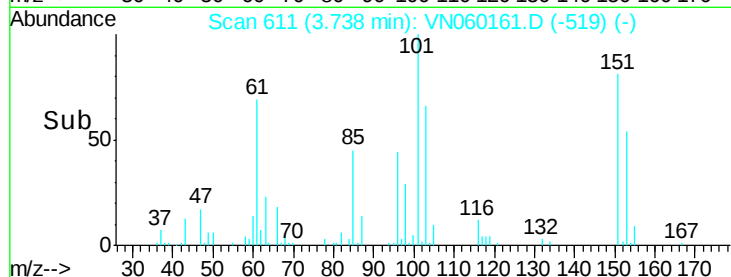
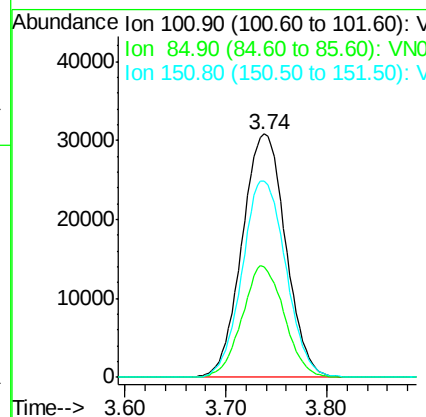
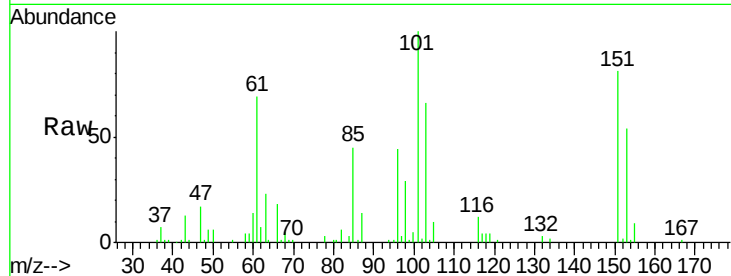
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	92504
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.1	52.7
151	80.8	65.8	98.6

Manual Integrations
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#10

Methyl Iodide

Concen: 51.228 ug/l

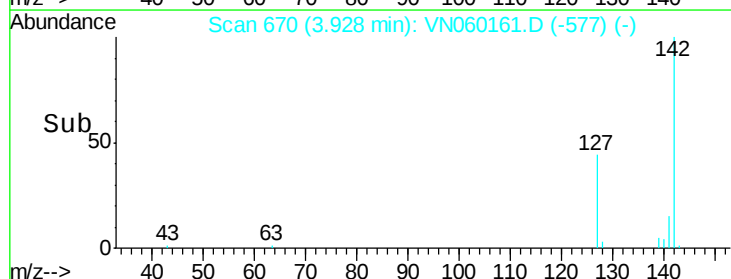
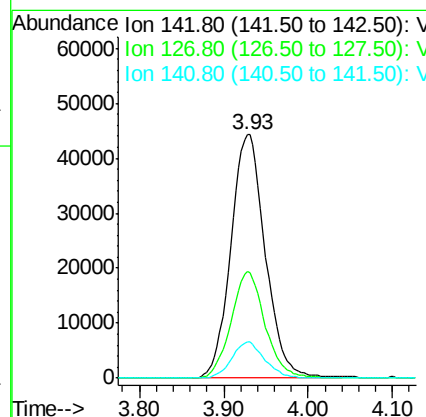
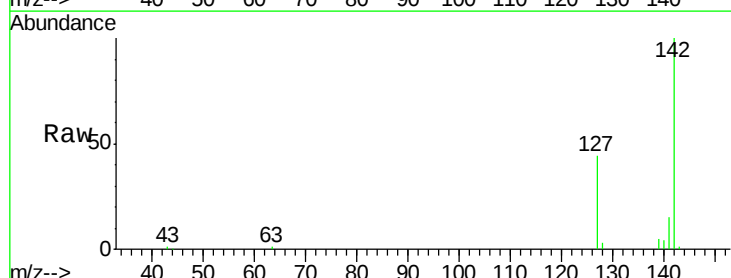
RT: 3.93 min Scan# 670

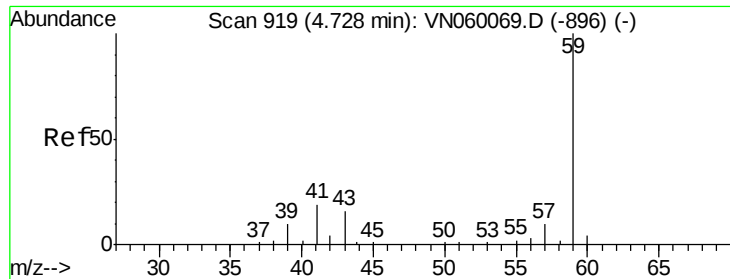
Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Tgt Ion:	142	Resp:	125890
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.6	50.4
141	14.2	11.4	17.2





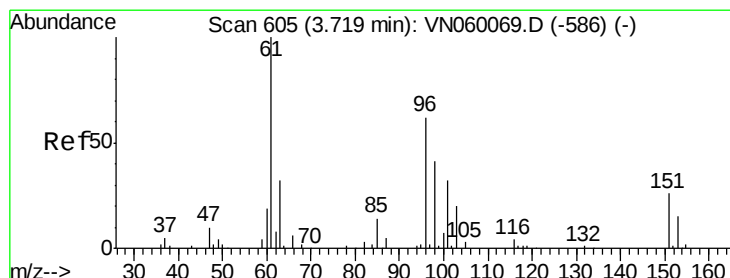
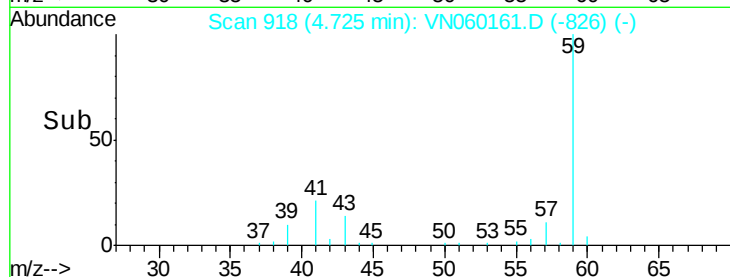
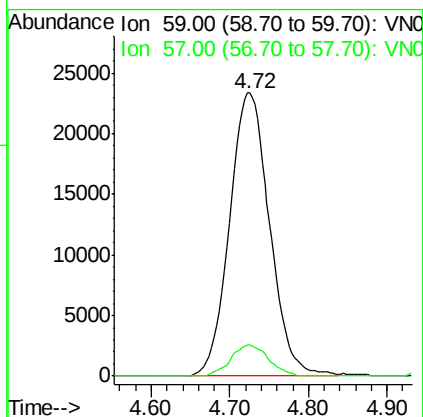
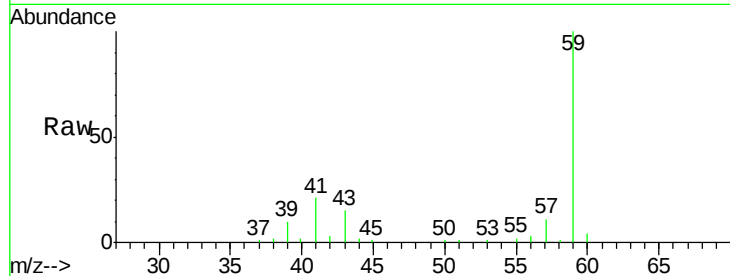
#11
Tert butyl alcohol
Concen: 242.143 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

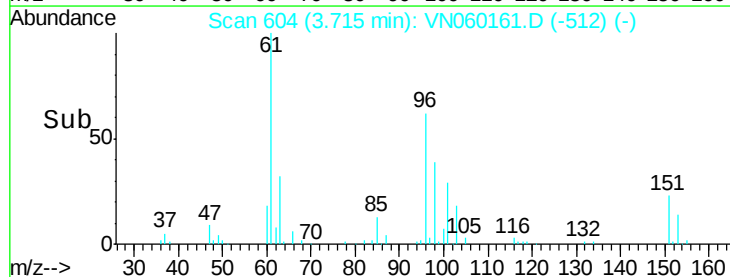
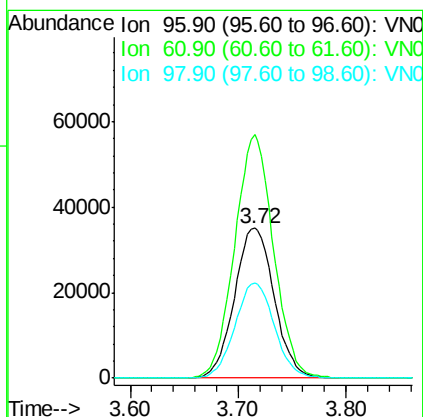
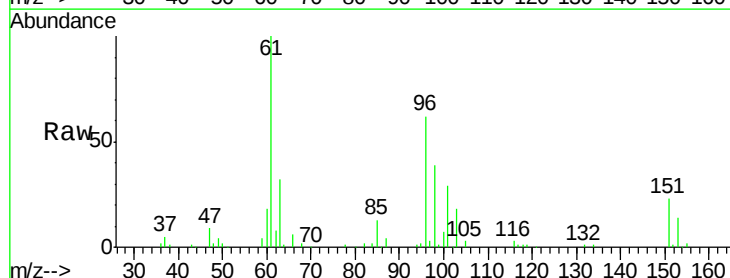
Manual Integrations
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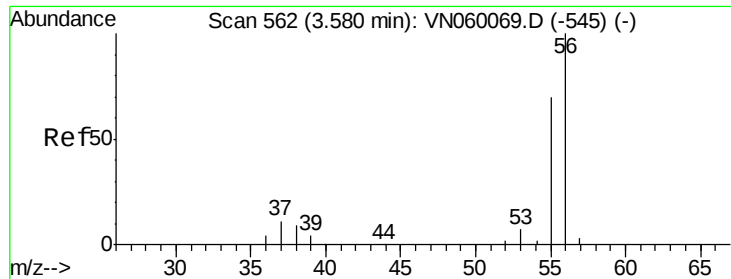
MMDadoda
2/21/2020 9:14:30 AM



#12
1,1-Dichloroethene
Concen: 50.352 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.3	128.3	192.5
98	63.6	52.2	78.4





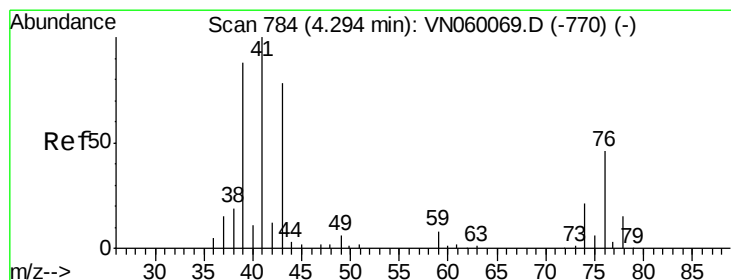
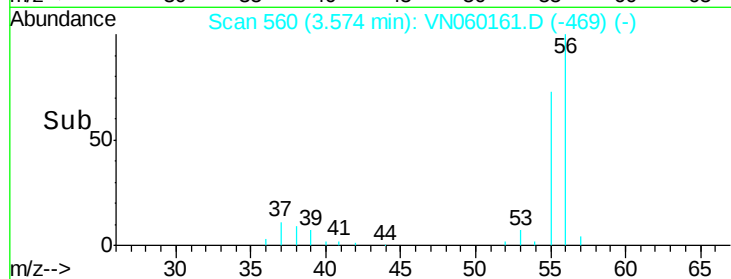
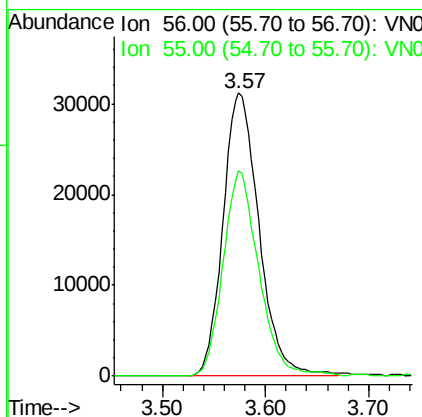
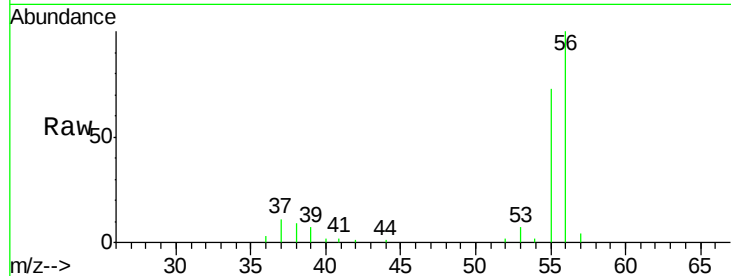
#13
Acrolein
Concen: 224.029 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.01 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	75876
Ion Ratio	100	Lower	Upper
56	100		
55	71.1	54.8	82.2

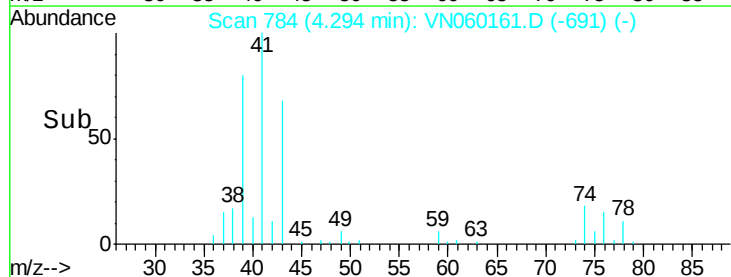
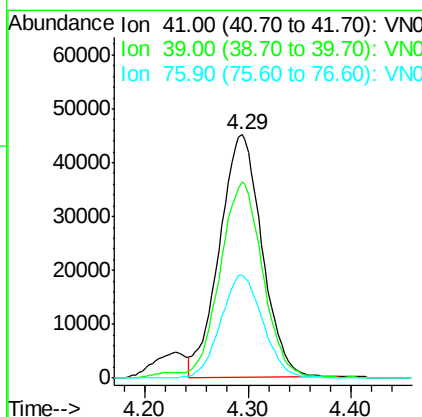
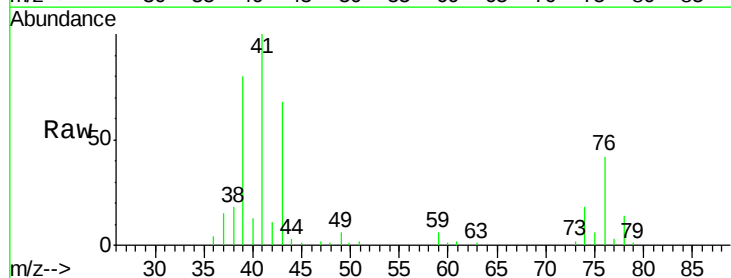
Manual Integrations
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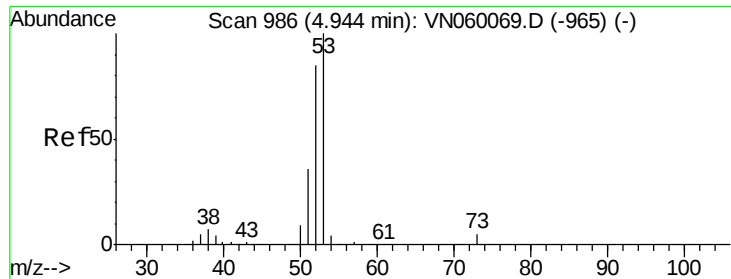
MMDadoda
2/21/2020 9:14:30 AM



#14
Allyl chloride
Concen: 49.305 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	41	Resp	129109
Ion Ratio	100	Lower	Upper
41	100		
39	82.9	67.8	101.8
76	42.1	33.9	50.9





#15

Acrylonitrile

Concen: 260.869 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

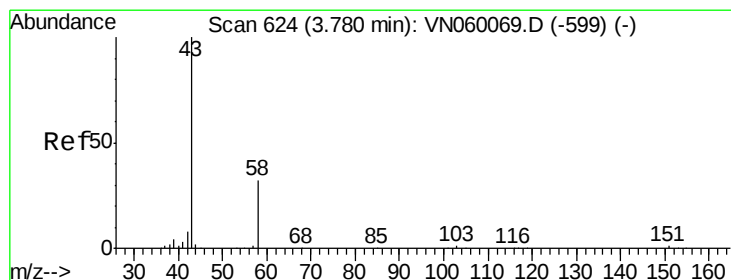
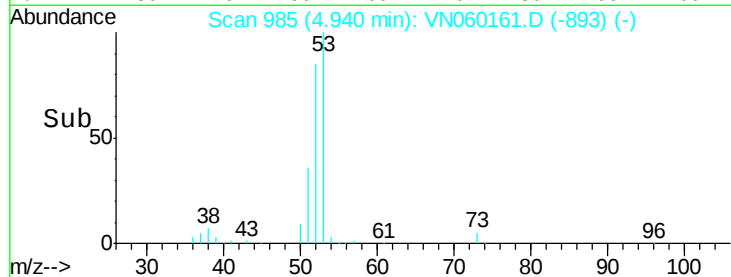
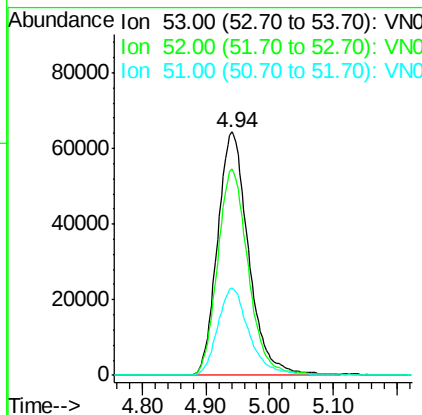
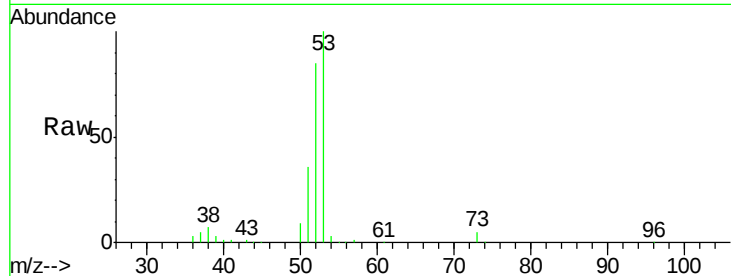
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	218294
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.8	100.2
51	36.5	29.4	44.0

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#16

Acetone

Concen: 279.121 ug/l

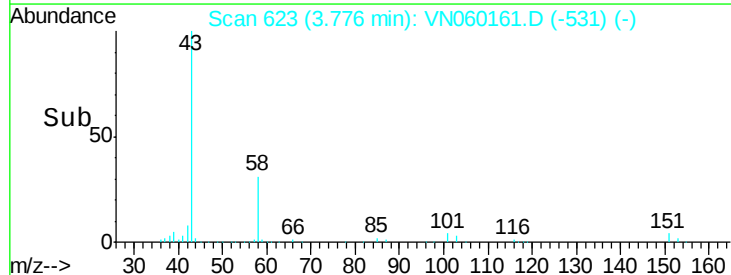
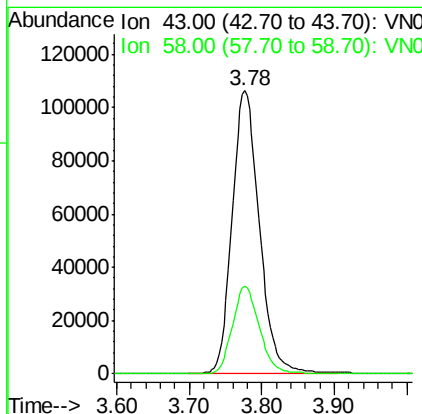
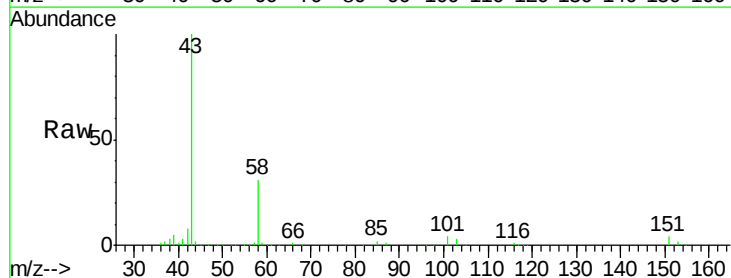
RT: 3.78 min Scan# 623

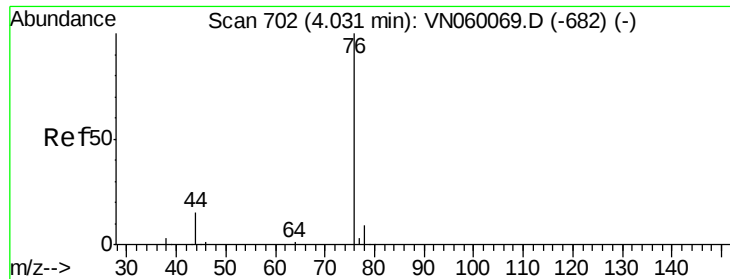
Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Tgt Ion:	43	Resp:	278779
Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.2	37.8





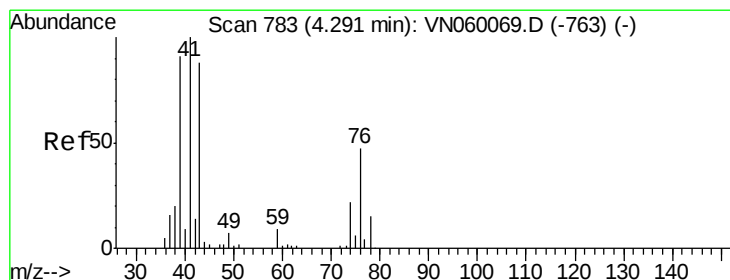
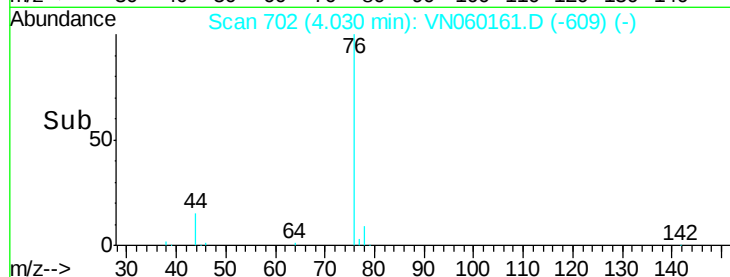
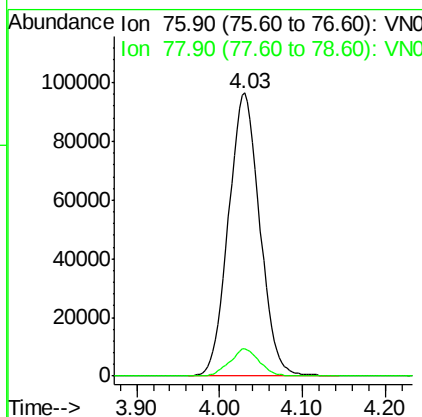
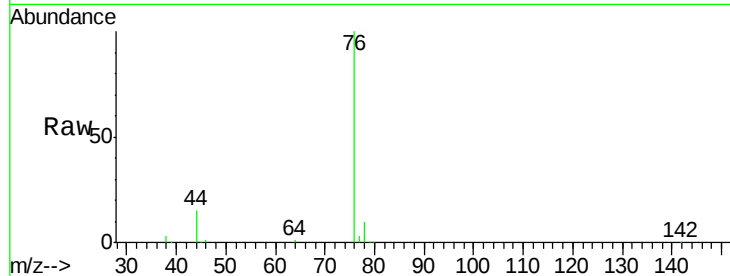
#17
Carbon Disulfide
Concen: 47.290 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

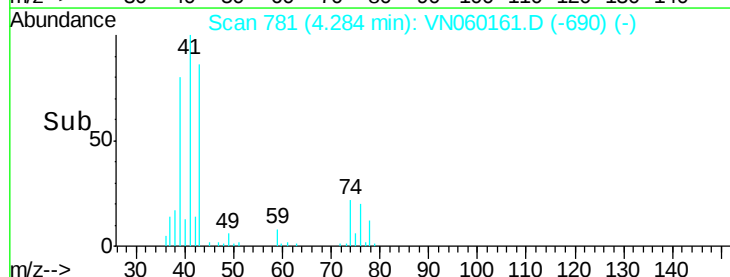
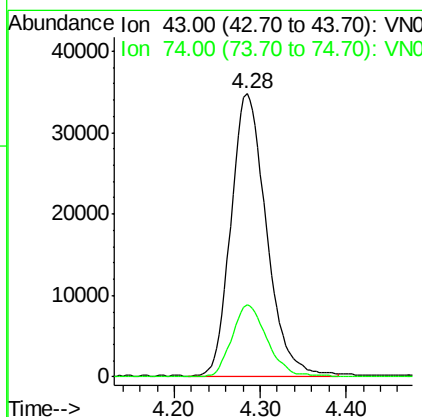
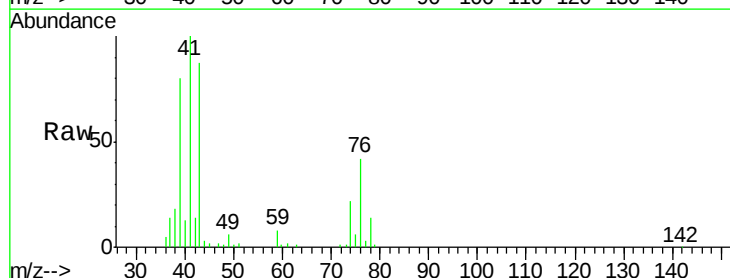
Manual Integrations
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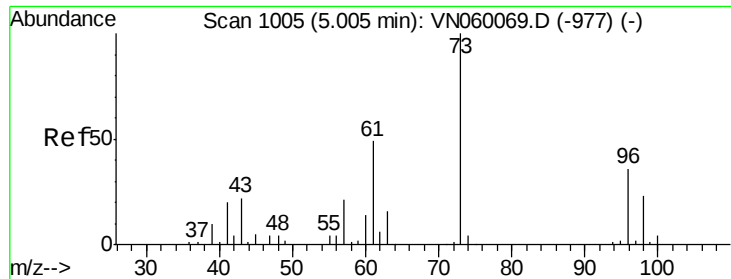
MMDadoda
2/21/2020 9:14:30 AM



#18
Methyl Acetate
Concen: 53.443 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.01 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.3	30.5





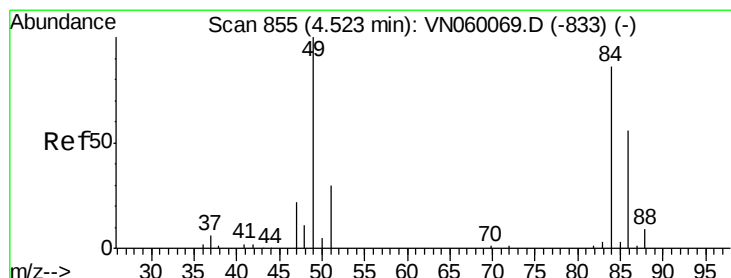
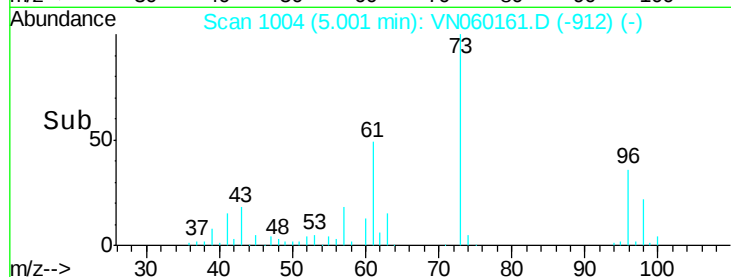
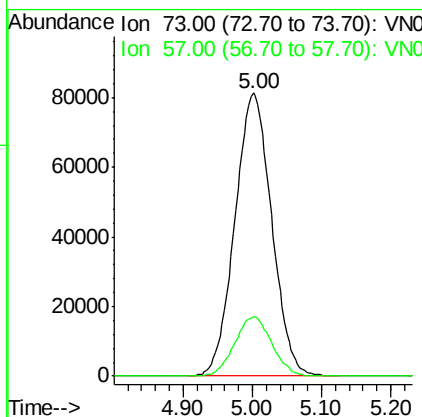
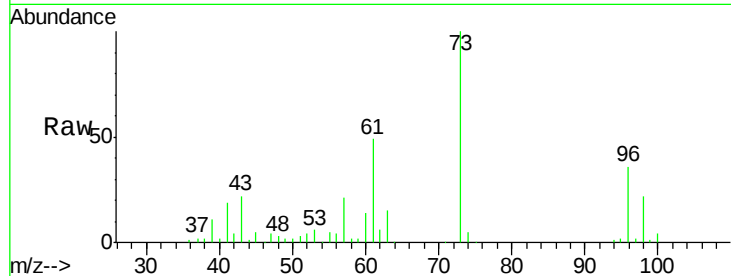
#19
Methvl tert-butvl Ether
Concen: 50.190 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 300286
Ion Ratio Lower Upper
73 100
57 20.8 17.2 25.8

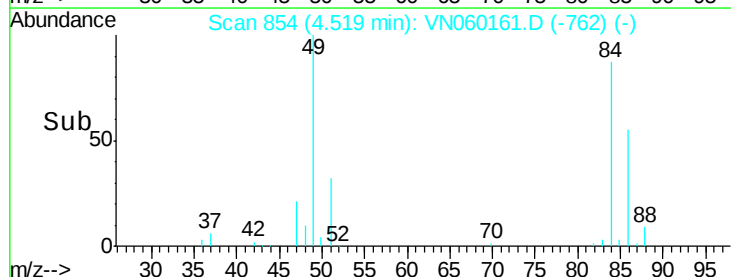
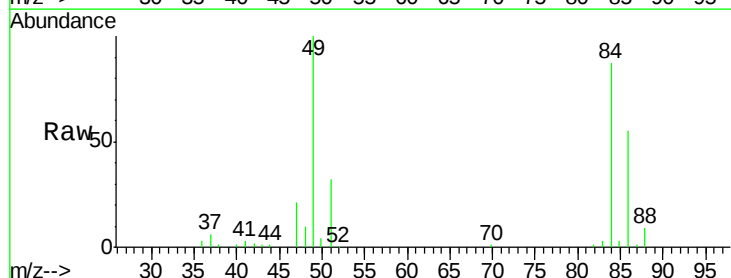
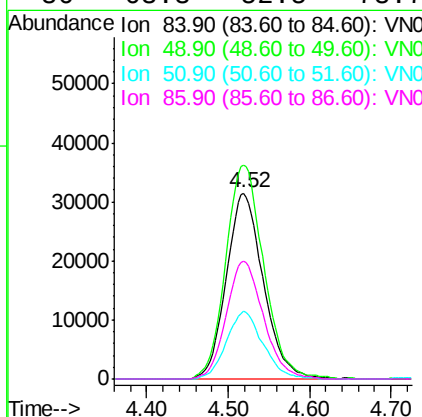
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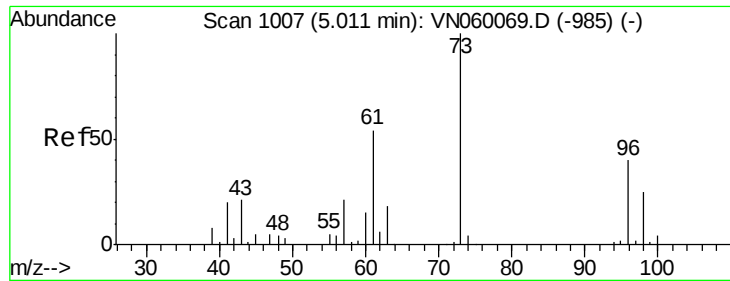
MMDadoda
2/21/2020 9:14:30 AM



#20
Methylene Chloride
Concen: 50.008 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion: 84 Resp: 99647
Ion Ratio Lower Upper
84 100
49 114.8 93.4 140.0
51 36.5 28.4 42.6
86 63.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 50.025 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

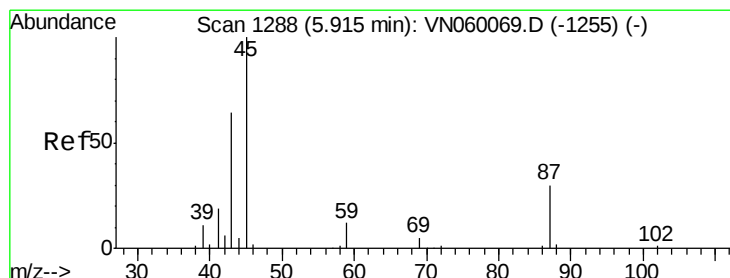
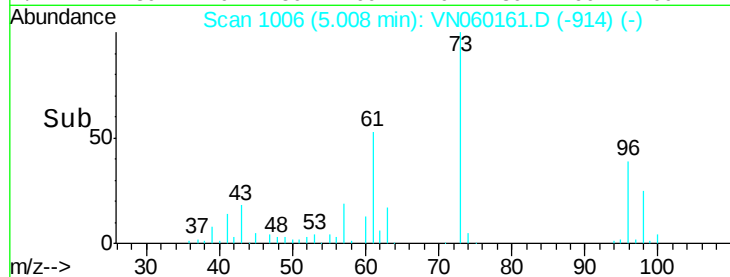
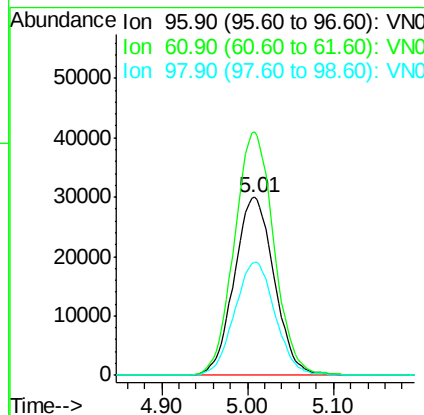
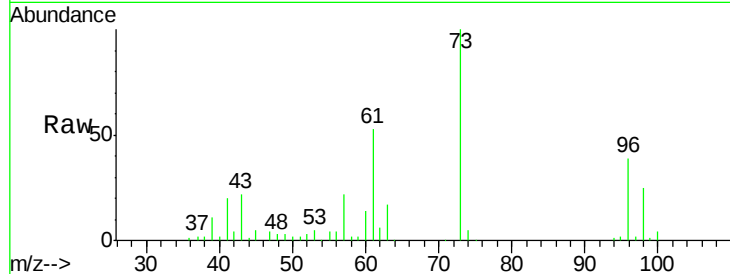
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	97017
Ion	Ratio	Lower	Upper
96	100		
61	136.6	109.3	163.9
98	63.7	51.0	76.6

Manual Integrations
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2/21/2020 9:14:30 AM



#22

Diisopropyl ether

Concen: 51.697 ug/l

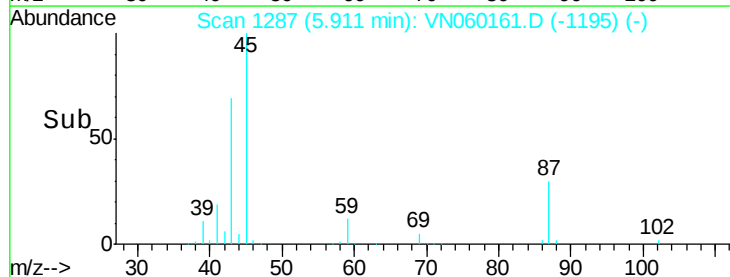
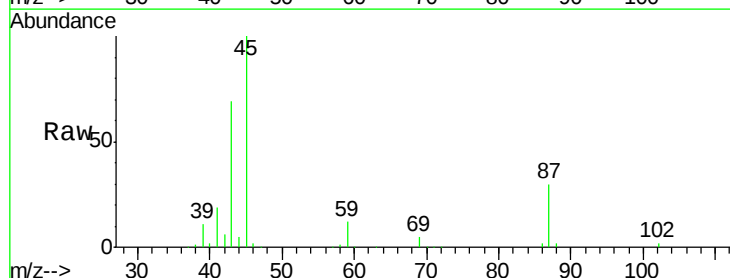
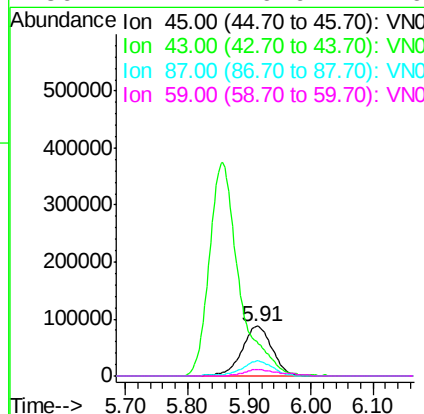
RT: 5.91 min Scan# 1287

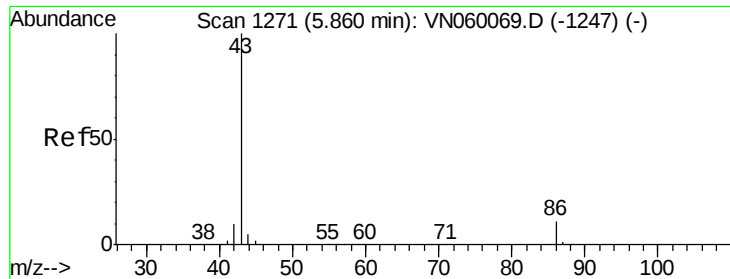
Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Tgt Ion:	45	Resp:	296681
Ion	Ratio	Lower	Upper
45	100		
43	67.6	55.9	83.9
87	29.8	24.5	36.7
59	12.4	9.9	14.9





#23

Vinyl Acetate

Concen: 260.063 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1253324

Ion Ratio Lower Upper

43 100

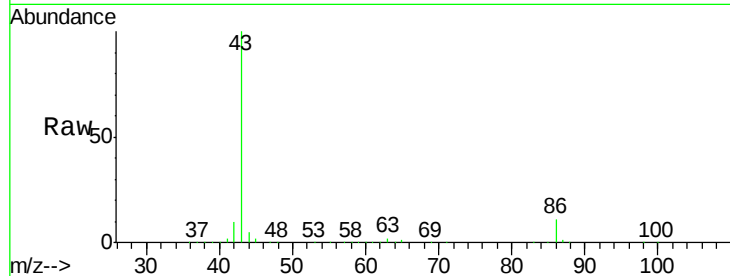
86 10.5 8.9 13.3

Manual Integrations

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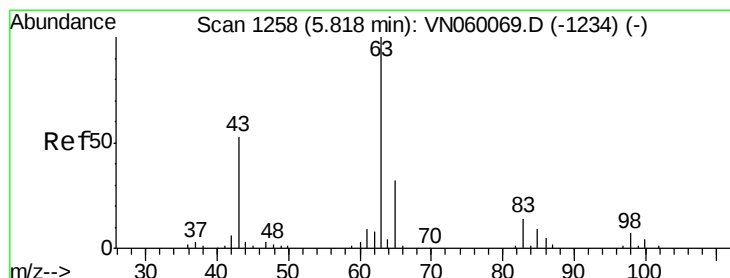
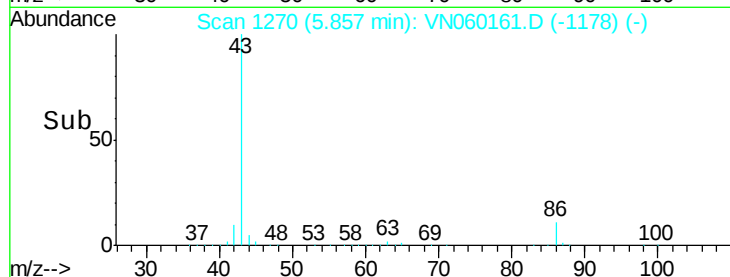
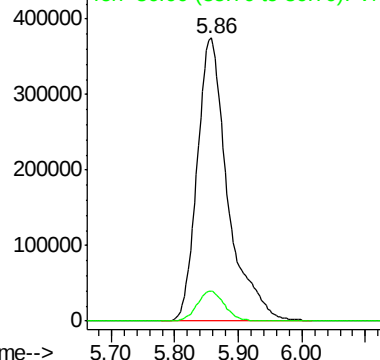
MMDadoda

2/21/2020 9:14:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.798 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

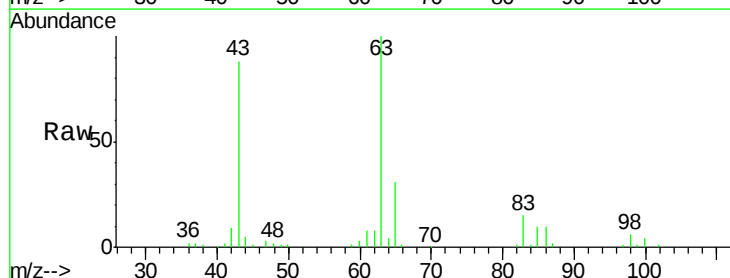
Tgt Ion: 63 Resp: 176601

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

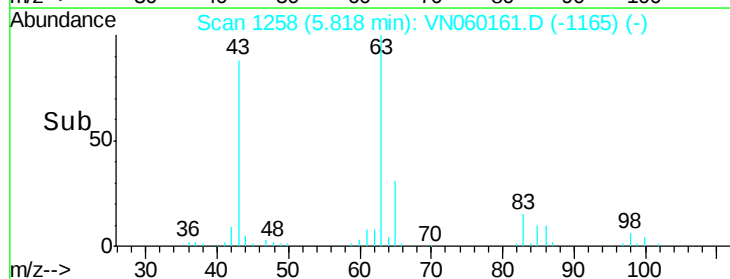
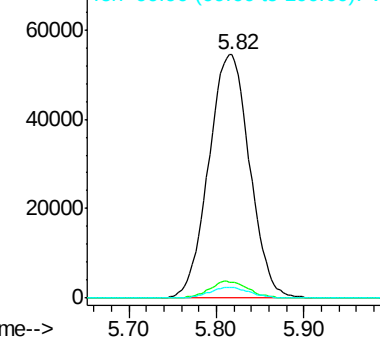
100 4.4 2.2 6.6

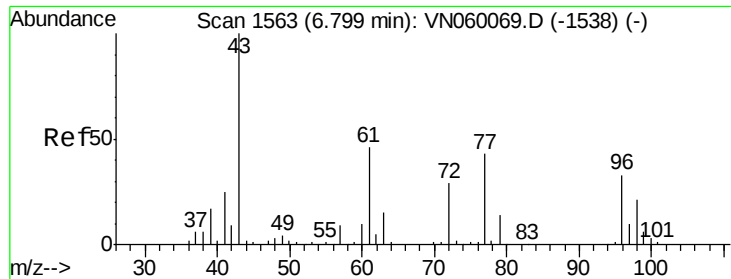


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





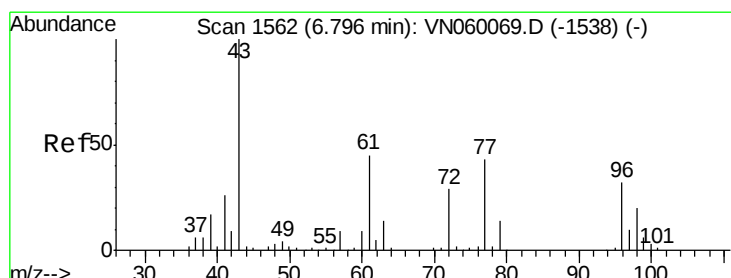
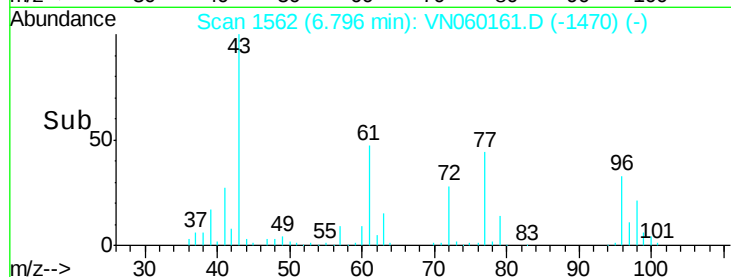
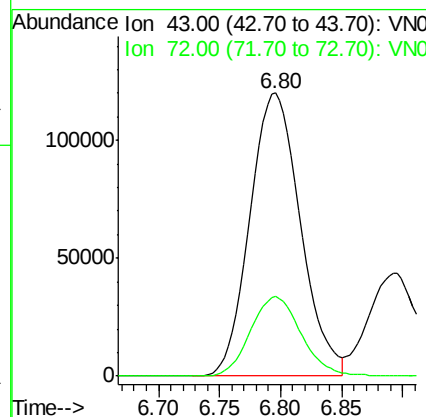
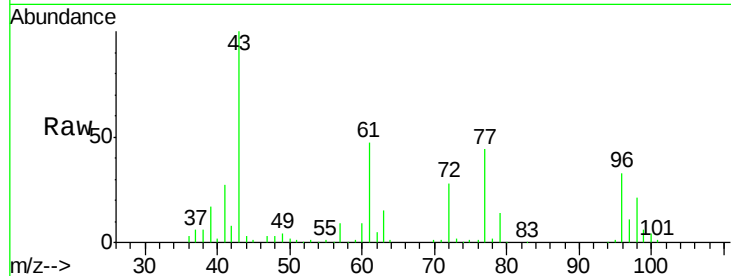
#25
2-Butanone
Concen: 274.775 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 345155
Ion Ratio Lower Upper
43 100
72 28.1 23.3 34.9

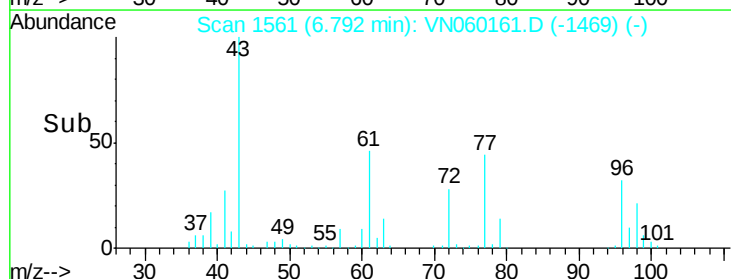
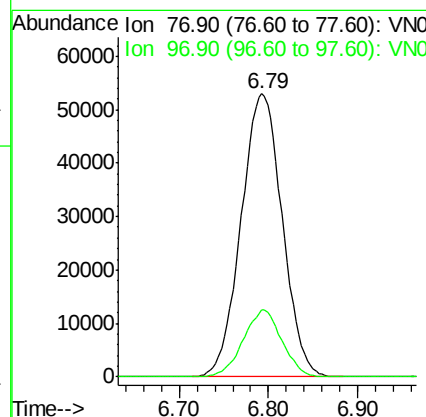
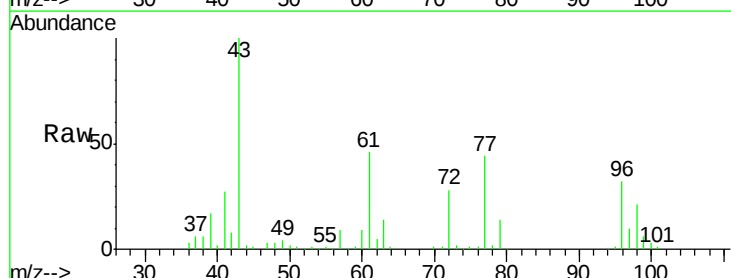
Manual Integrations
APPROVED

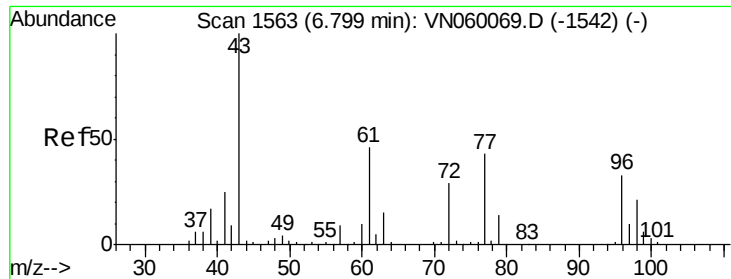
MMDadoda
2/21/2020 9:14:30 AM



#26
2,2-Dichloropropane
Concen: 51.395 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion: 77 Resp: 169709
Ion Ratio Lower Upper
77 100
97 22.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 50.461 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

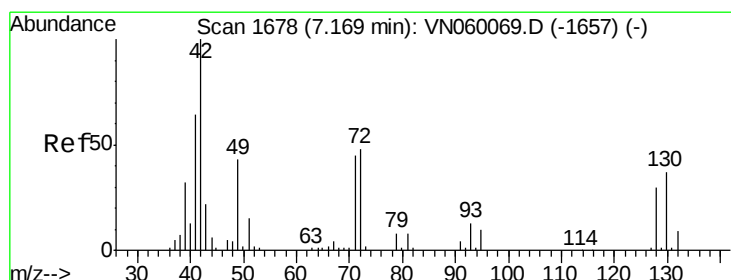
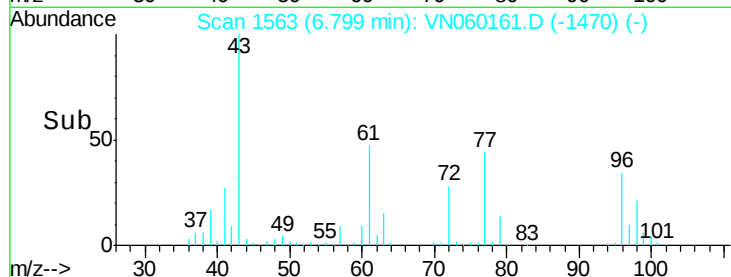
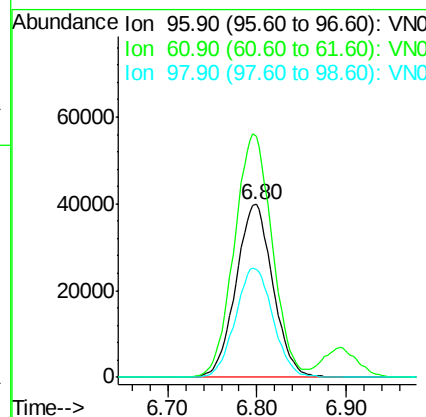
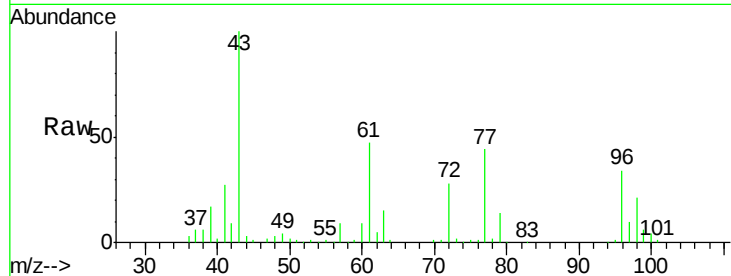
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	114528
Ion Ratio	Lower	Upper	
96	100		
61	144.2	0.0	285.8
98	64.2	0.0	129.6

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#28

Bromochloromethane

Concen: 50.458 ug/l

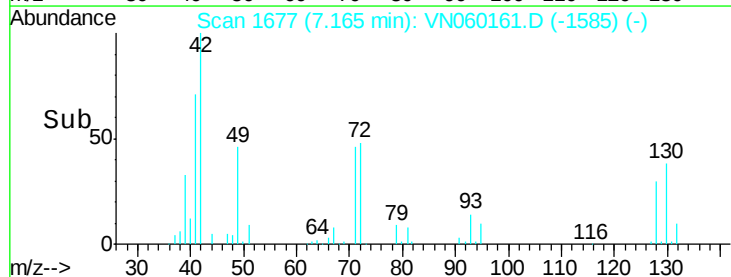
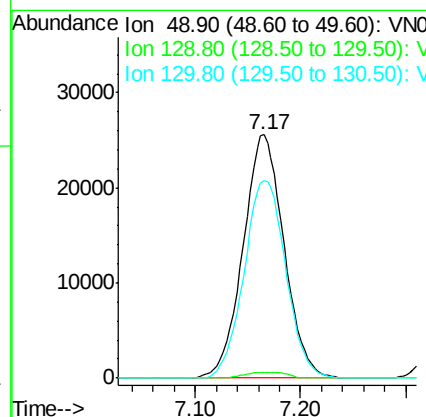
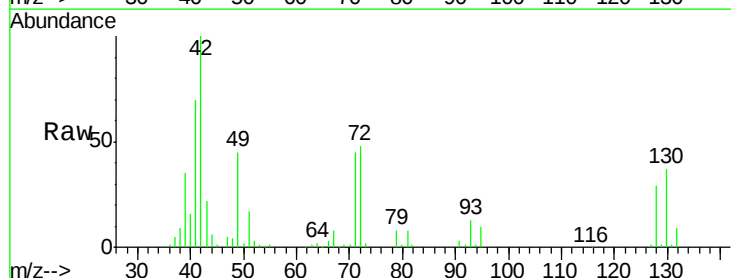
RT: 7.17 min Scan# 1677

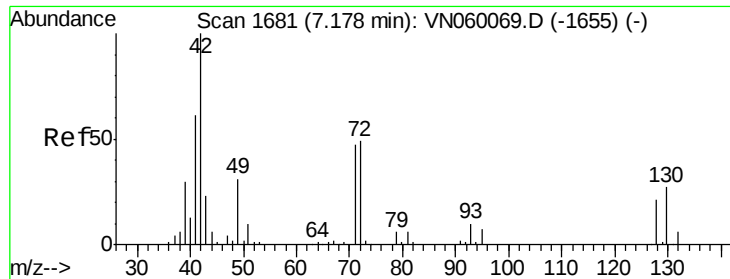
Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Tgt Ion:	49	Resp:	68964
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	2.2#
130	82.9	66.8	100.2





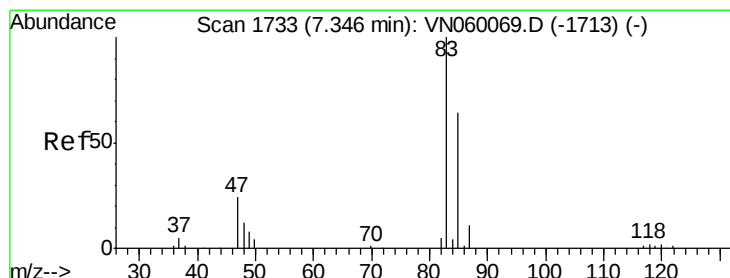
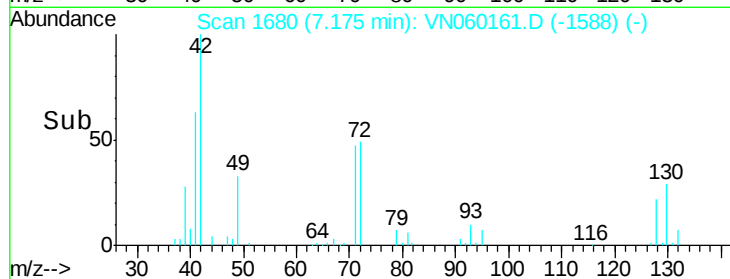
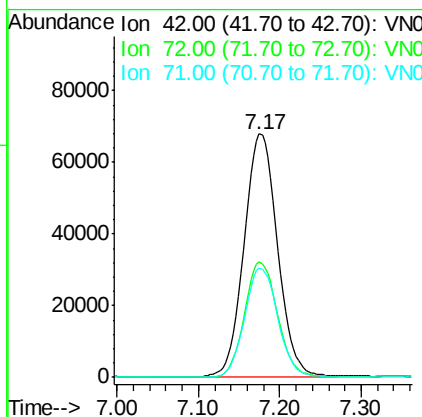
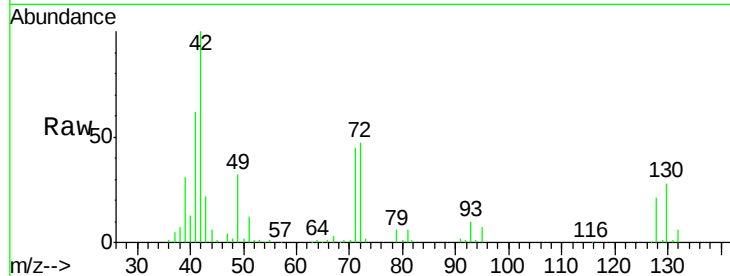
#29
Tetrahydrofuran
Concen: 250.634 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	38.2	57.4
71	44.4	36.6	54.8

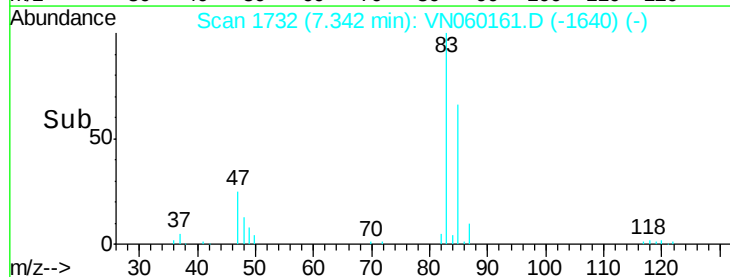
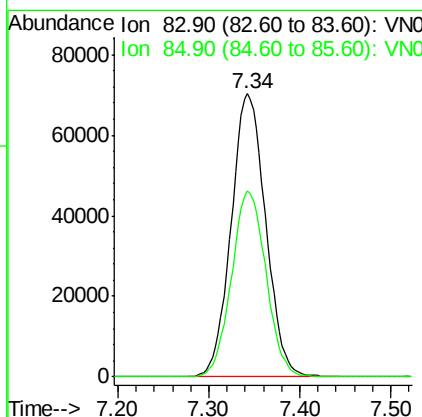
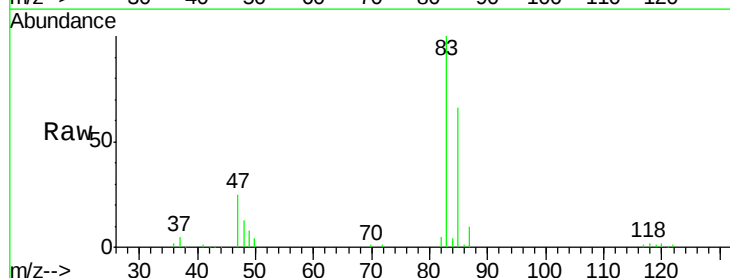
Manual Integrations
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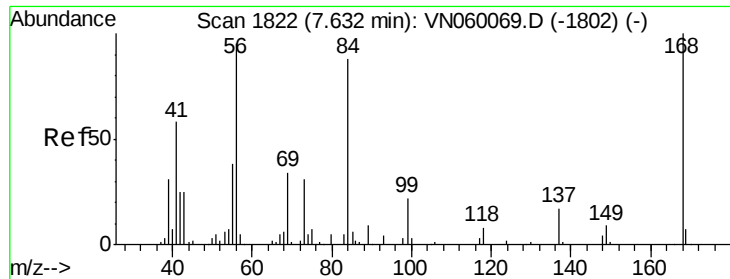
MMDadoda
2/21/2020 9:14:30 AM



#30
Chloroform
Concen: 50.872 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.0





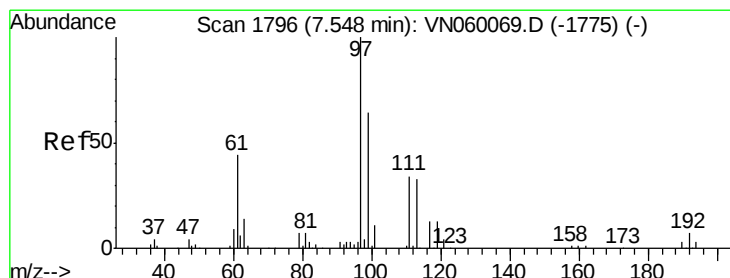
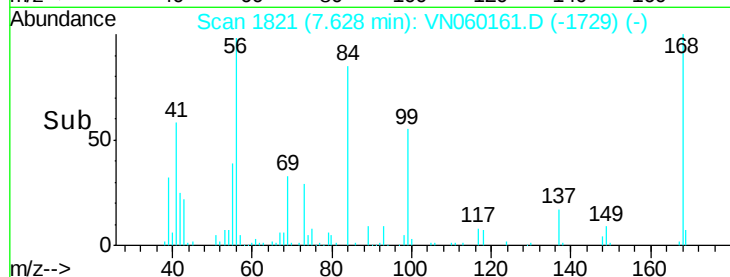
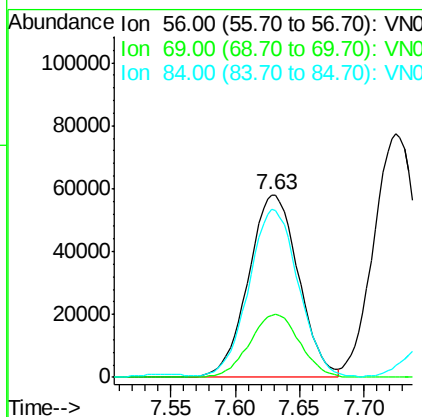
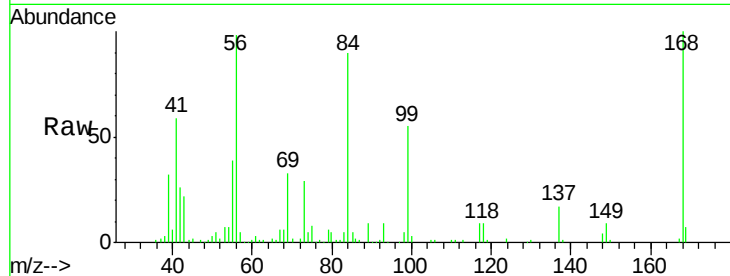
#31
Cyclohexane
Concen: 48.494 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	28.3	42.5
84	90.7	72.6	108.8

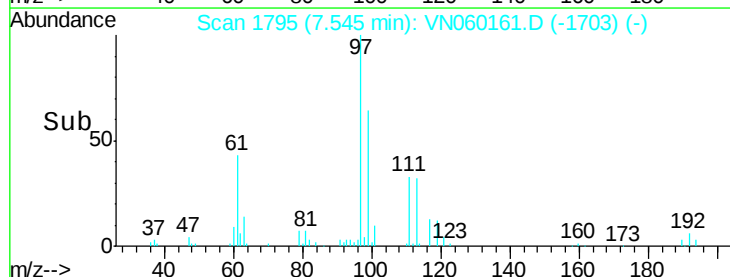
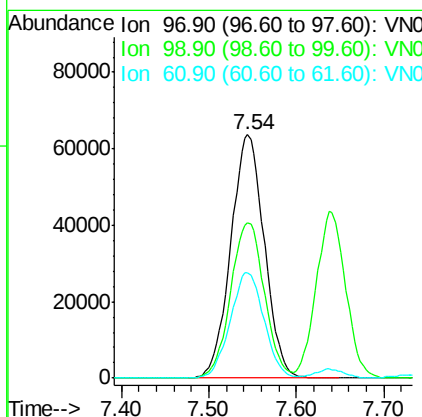
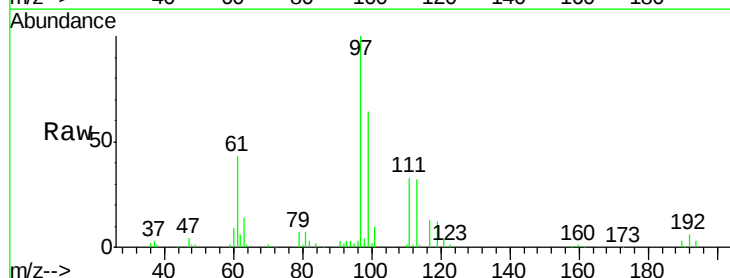
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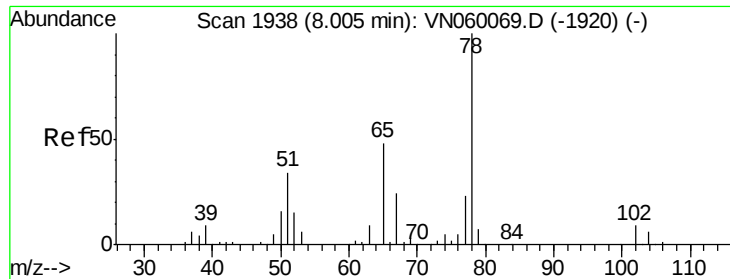
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.965 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	43.5	34.9	52.3





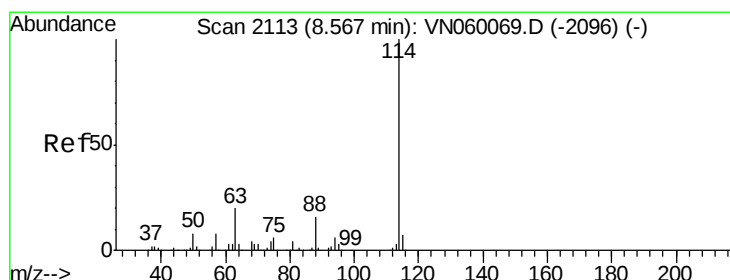
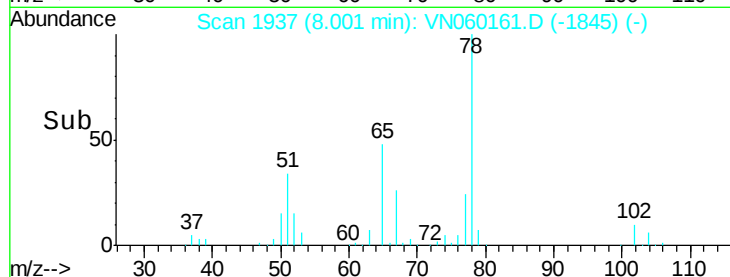
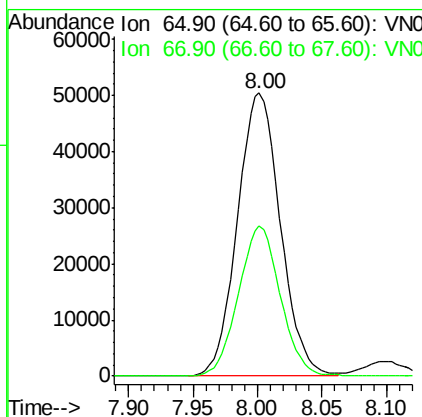
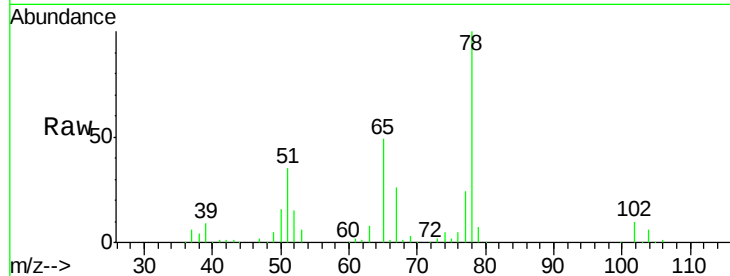
#33
 1,2-Dichloroethane-d4
 Concen: 51.111 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117032		
67	51.7	0.0	104.0	

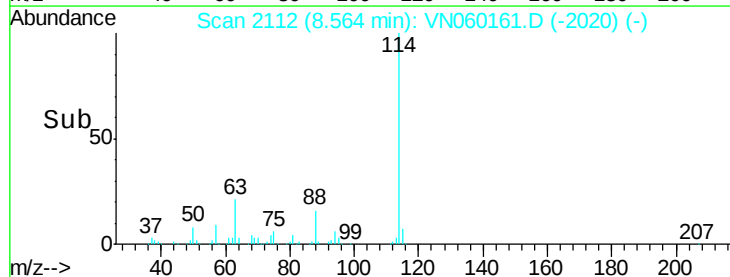
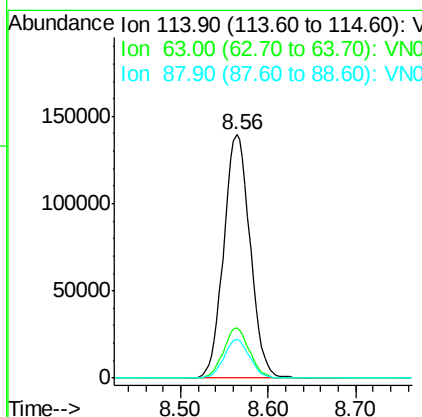
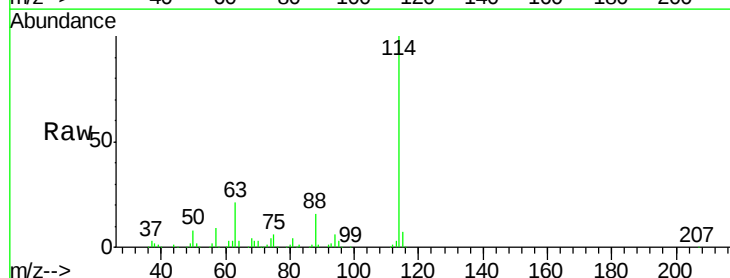
Manual Integrations
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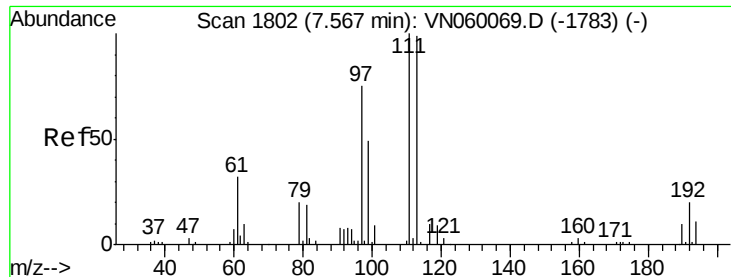
MMDadoda
 2/21/2020 9:14:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	292150		
63	20.6	0.0	40.0	
88	15.7	0.0	31.6	





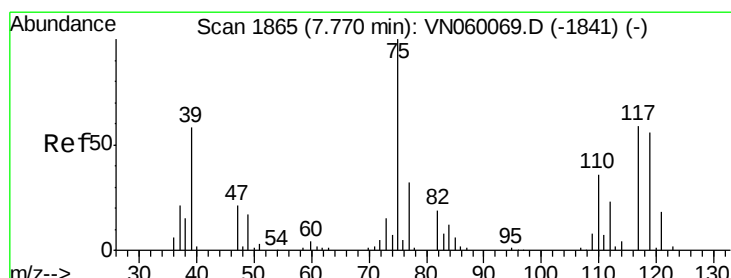
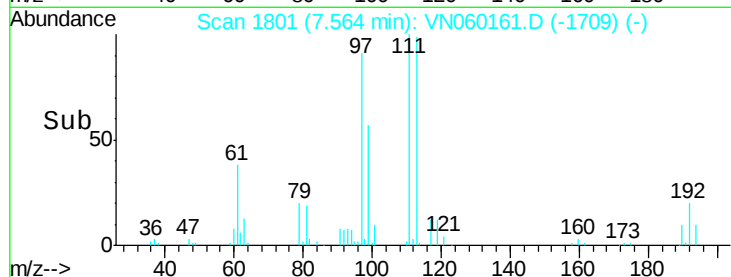
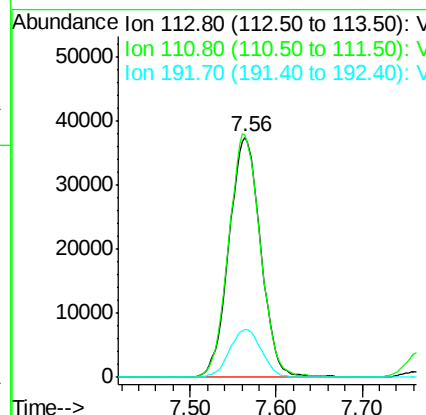
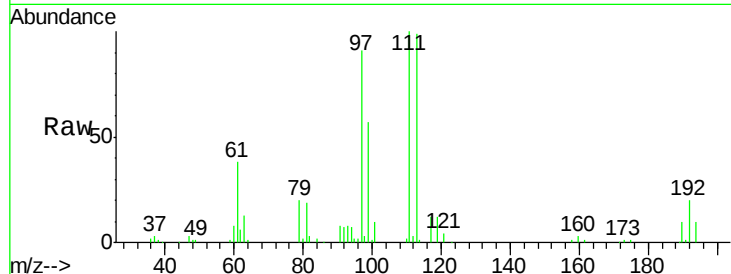
#35
 Dibromofluoromethane
 Concen: 53.443 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	95975		
111	100.6	81.4	122.2	
192	19.9	16.2	24.2	

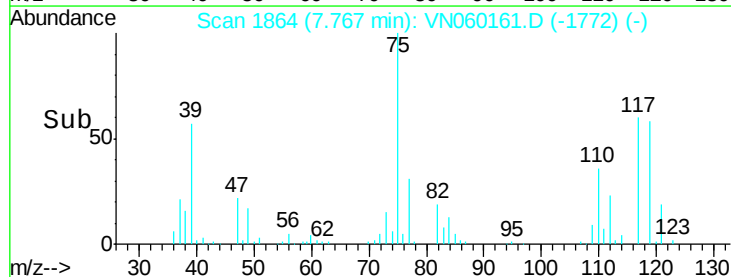
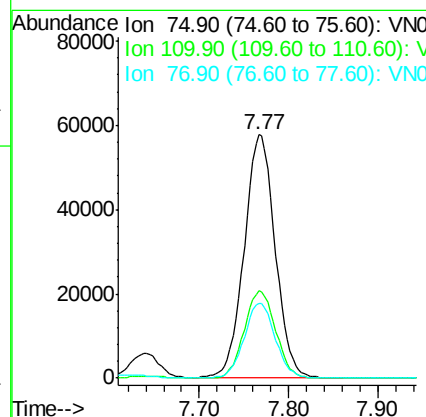
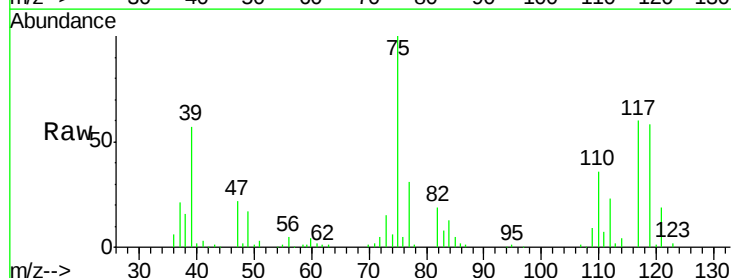
Manual Integrations
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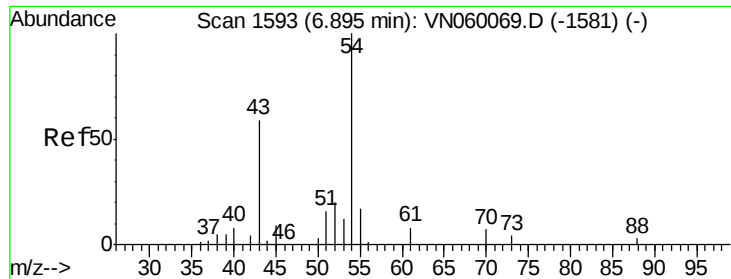
MMDadoda
 2/21/2020 9:14:30 AM



#36
 1,1-Dichloropropene
 Concen: 51.427 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139163		
110	36.1	18.1	54.3	
77	30.7	25.1	37.7	





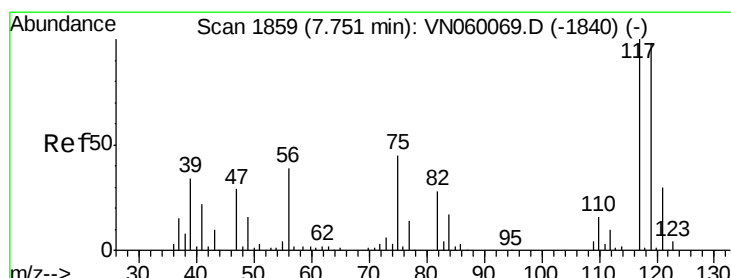
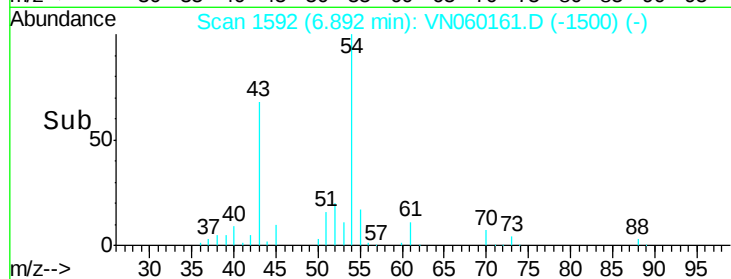
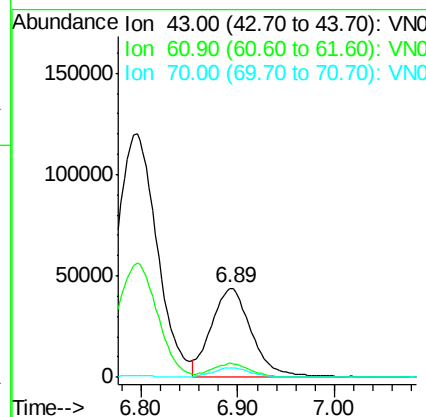
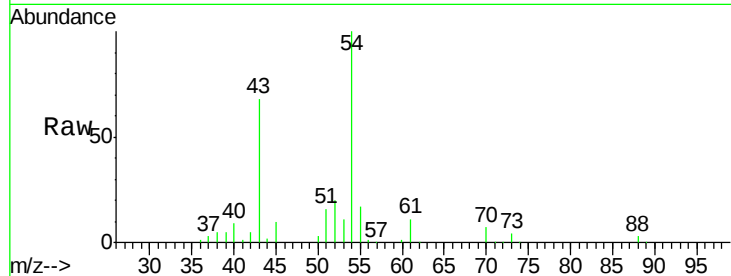
#37
Ethyl Acetate
Concen: 51.485 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.4	17.2
70	10.4	8.7	13.1

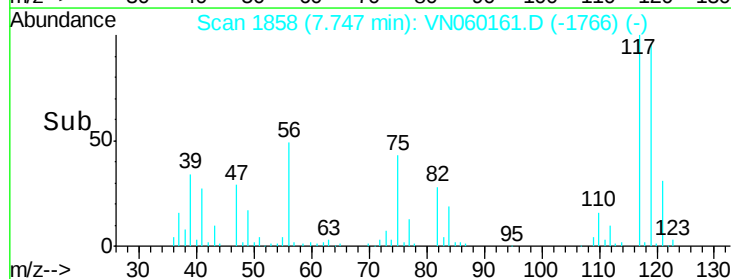
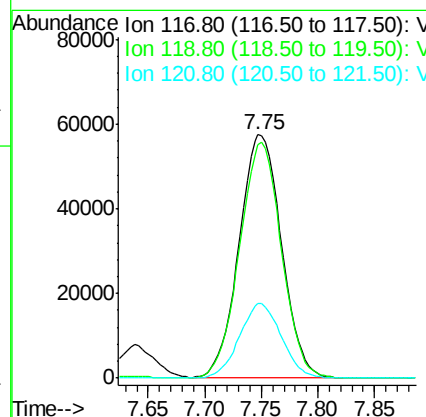
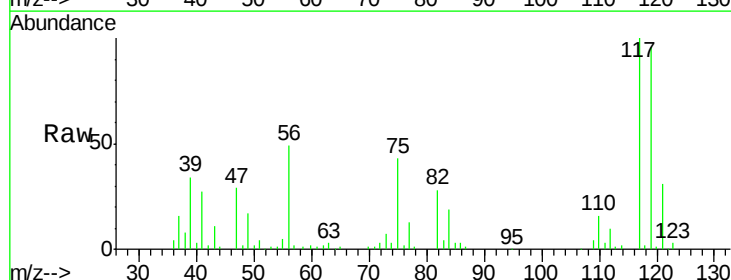
Manual Integrations
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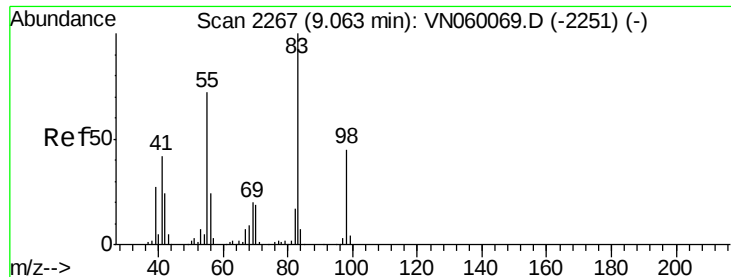
MMDadoda
2/21/2020 9:14:30 AM



#38
Carbon Tetrachloride
Concen: 51.026 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.2	117.4
121	30.9	24.2	36.2





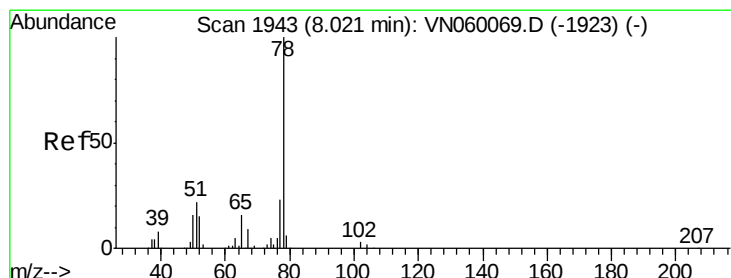
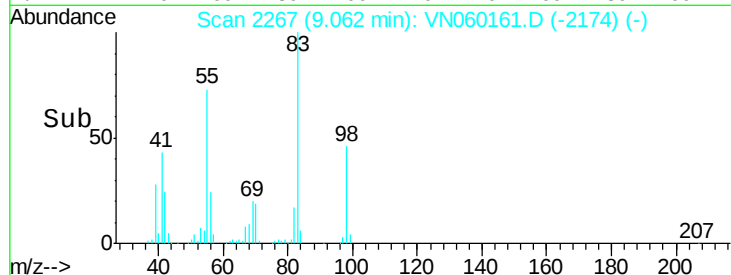
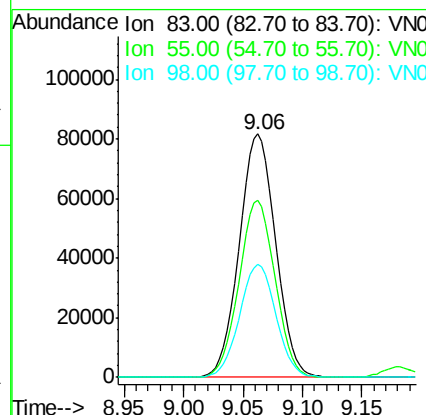
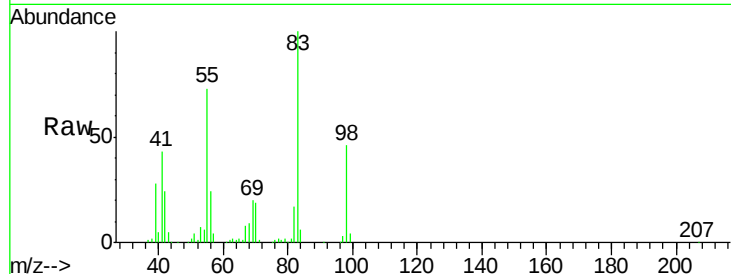
#39
Methvlcvclohexane
Concen: 51.567 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	57.8	86.8
98	46.2	36.4	54.6

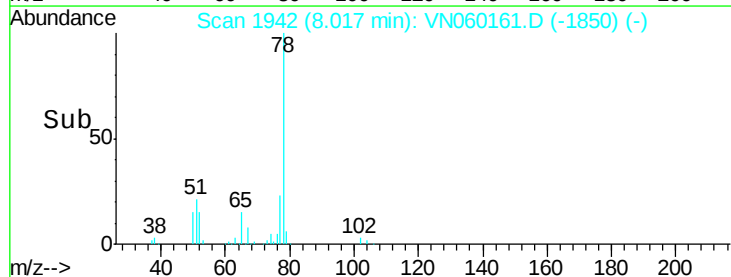
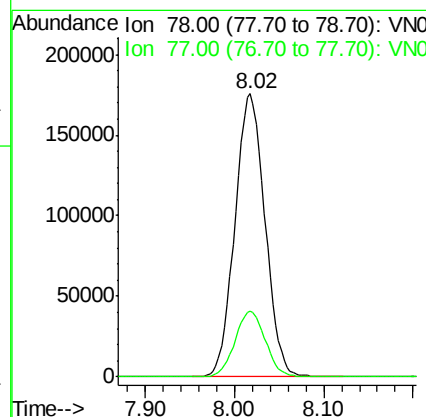
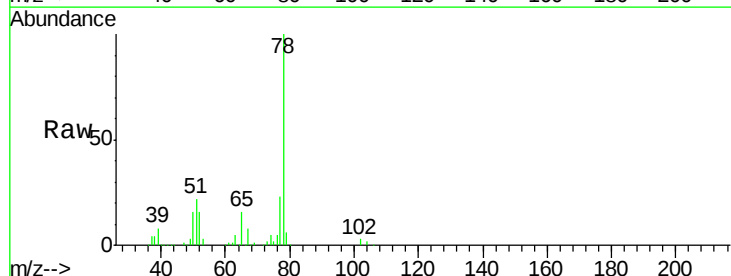
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#40
Benzene
Concen: 51.158 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





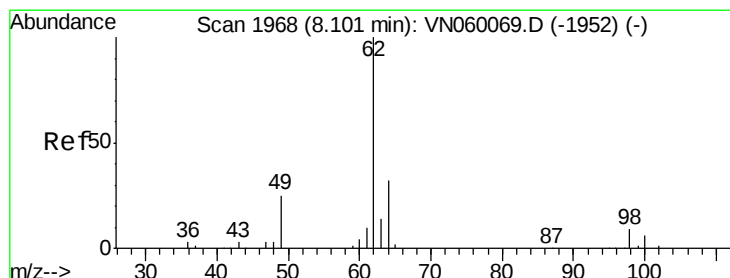
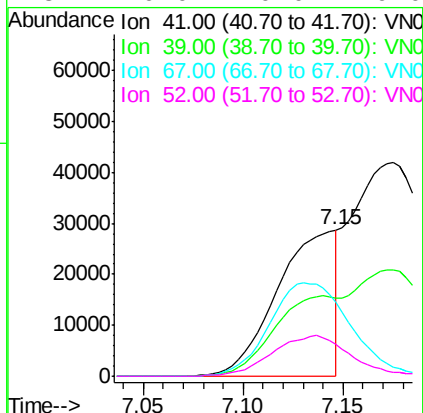
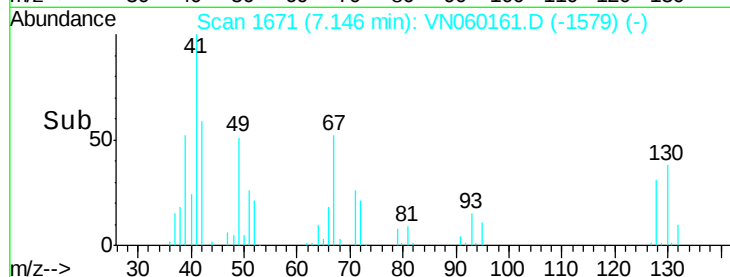
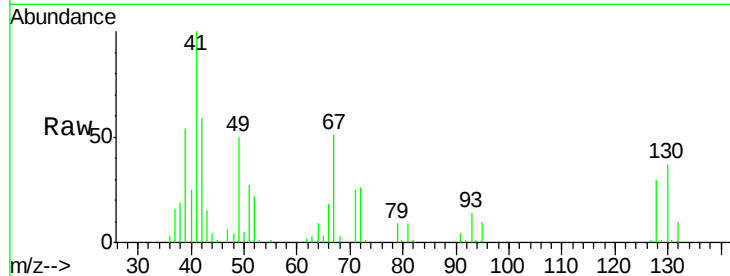
#41
Methacrylonitrile
Concen: 56.665 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot 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

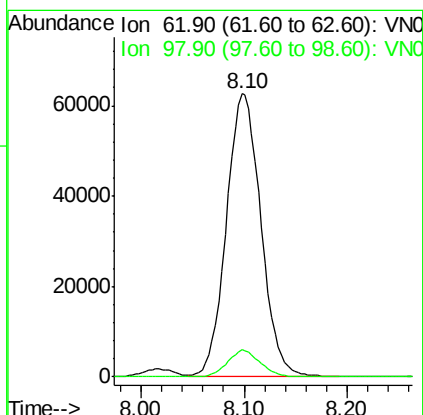
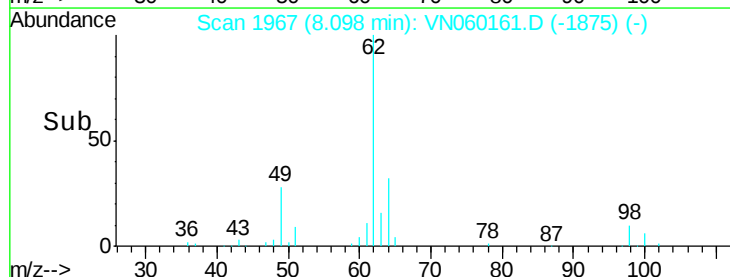
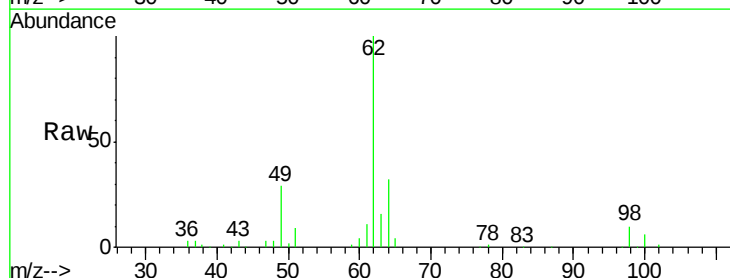
Manual Integrations
APPROVED

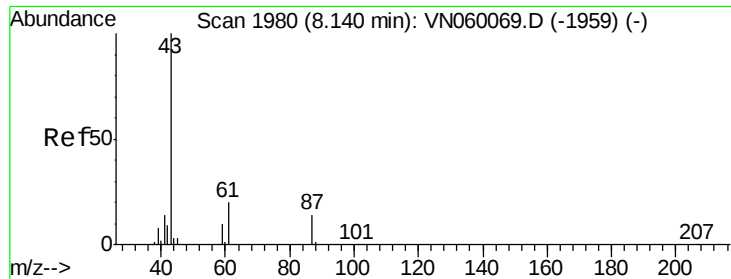
MMDadoda
2/21/2020 9:14:30 AM



#42
1,2-Dichloroethane
Concen: 51.924 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





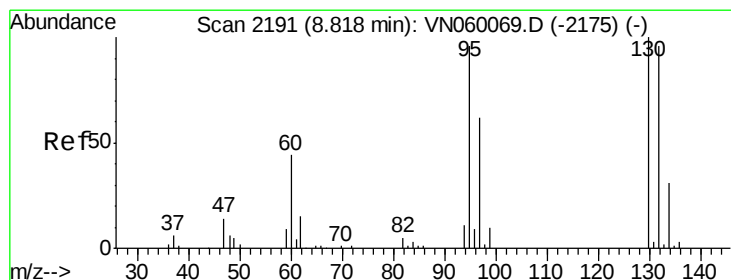
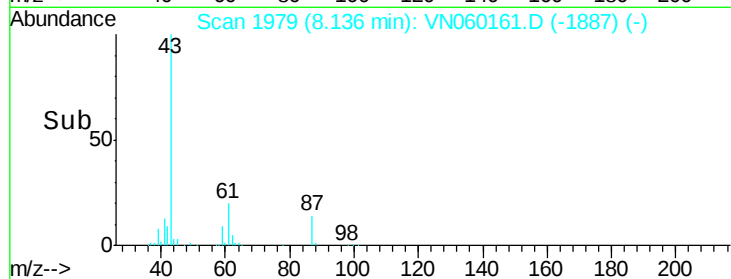
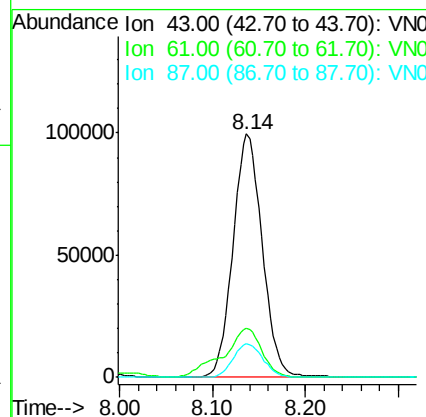
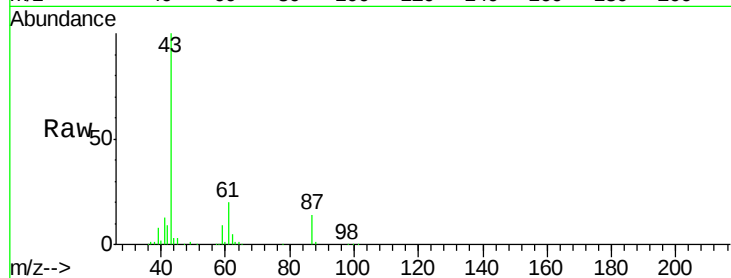
#43
Isopropyl Acetate
Concen: 52.244 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.8	32.6
87	14.0	11.4	17.2

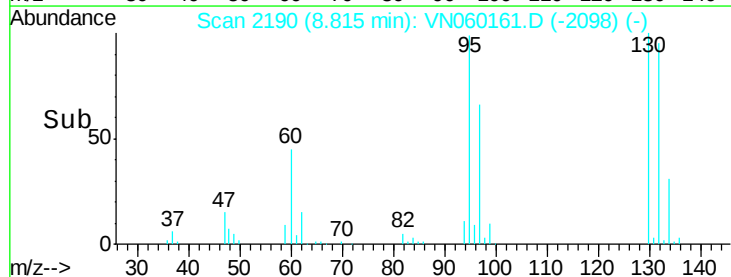
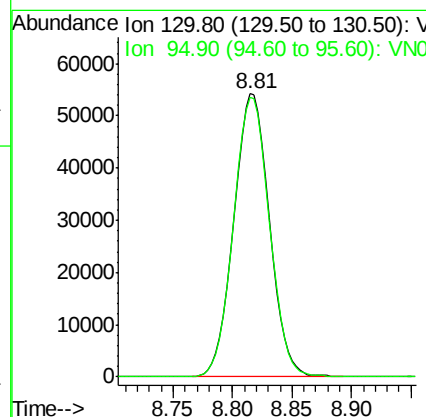
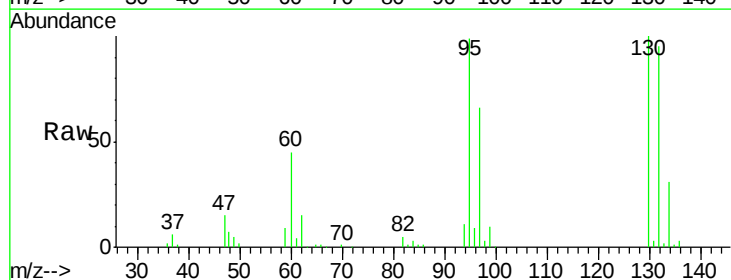
Manual Integrations
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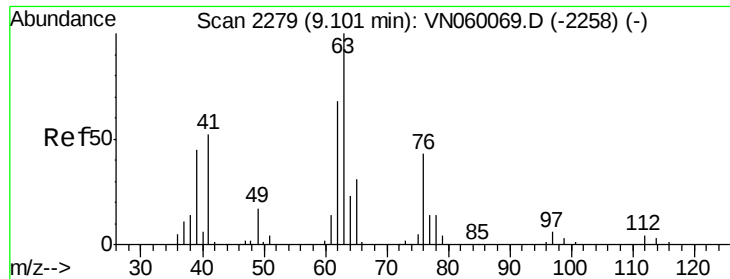
MMDadoda
2/21/2020 9:14:30 AM



#44
Trichloroethene
Concen: 50.693 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	192.4





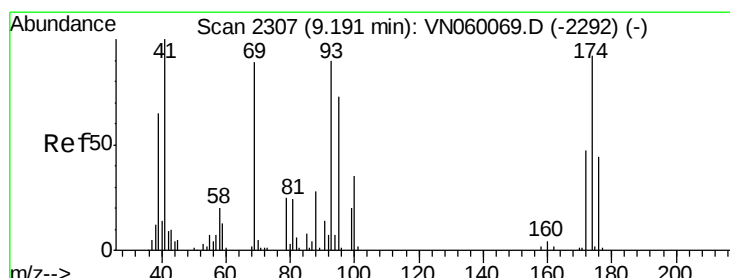
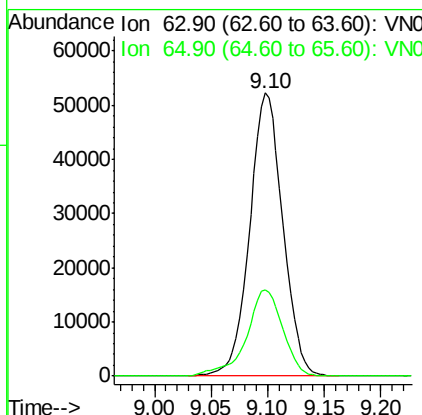
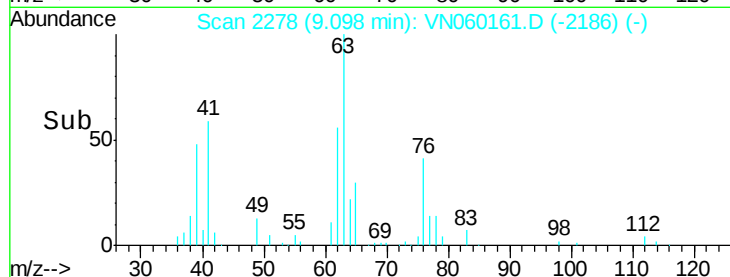
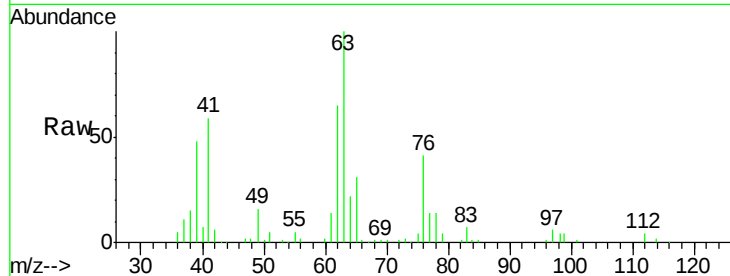
#45
 1,2-Dichloropropane
 Concen: 53.444 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 106208
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4

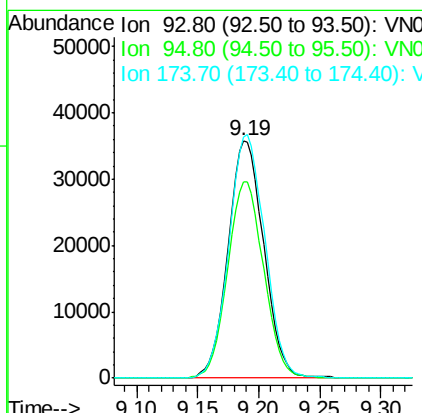
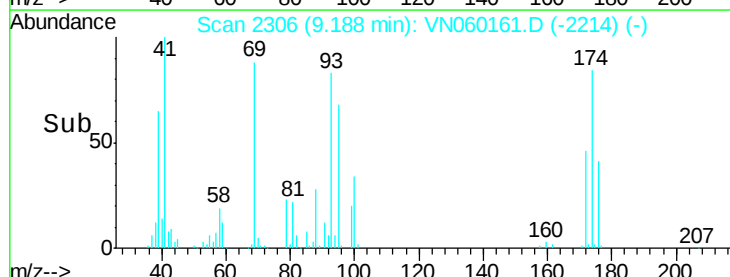
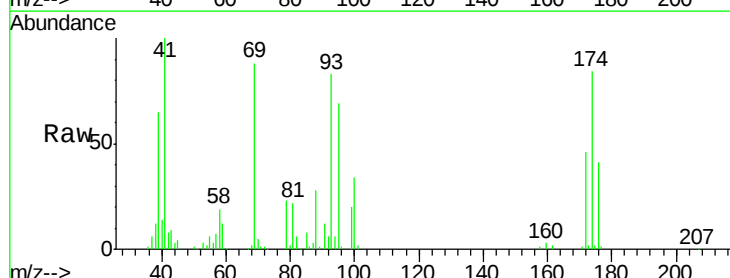
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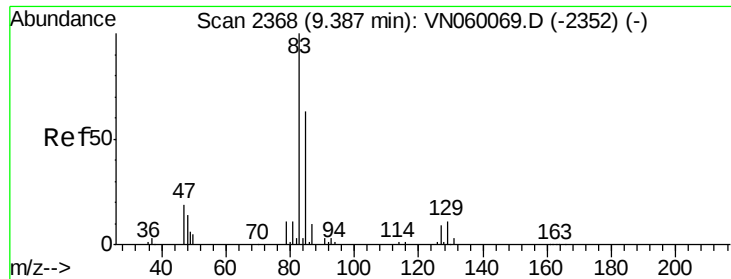
MMDadoda
 2/21/2020 9:14:30 AM



#46
 Dibromomethane
 Concen: 52.049 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion: 93 Resp: 73096
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.0 97.6
 174 103.1 82.3 123.5





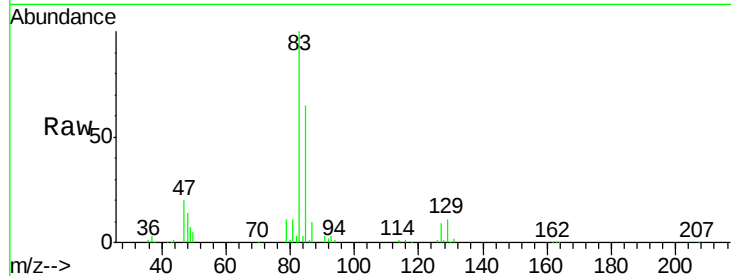
#47
Bromodichloromethane
Concen: 52.935 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

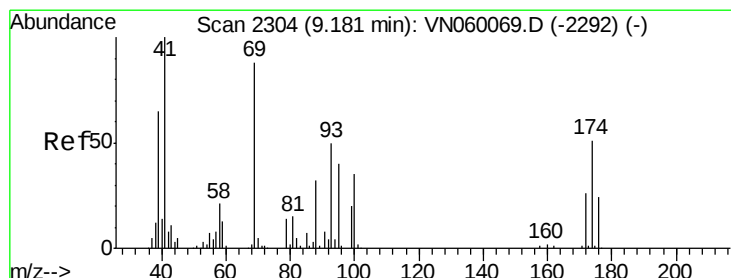
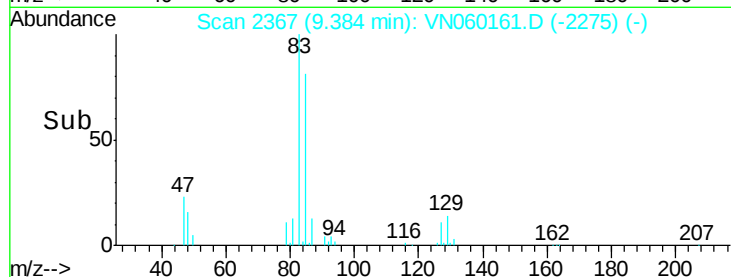
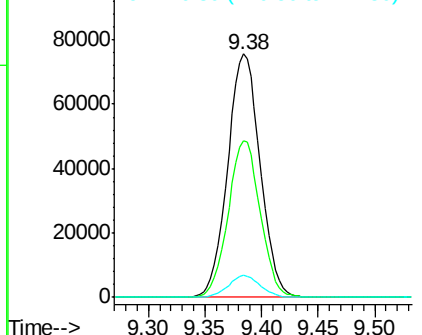
Tot Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8
127	8.9	7.0	10.6

Manual Integrations
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MMDadoda
2/21/2020 9:14:30 AM



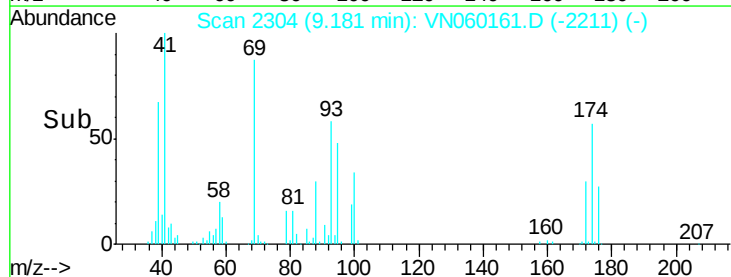
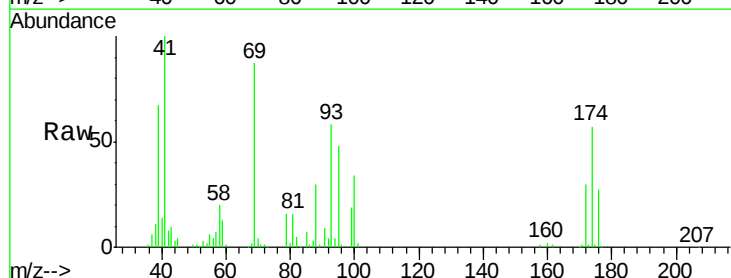
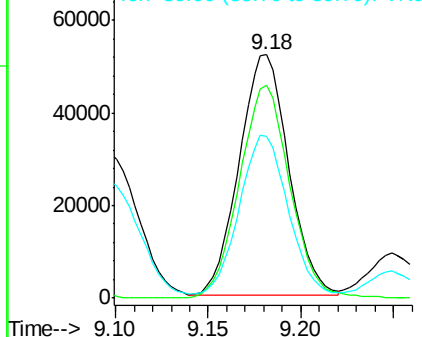
Abundance Ion 82.90 (82.60 to 83.60): VN060161.D (-2275) (-)
Ion 84.90 (84.60 to 85.60): VN060161.D (-2275) (-)
Ion 126.80 (126.50 to 127.50): VN060161.D (-2275) (-)

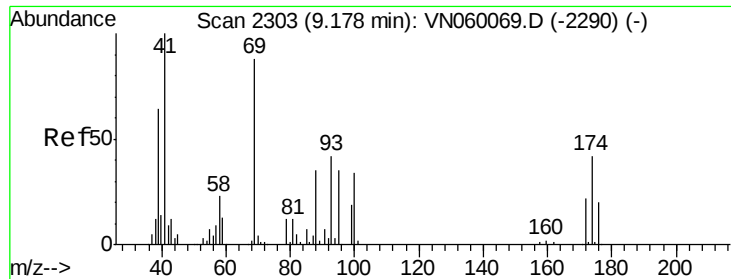


#48
Methyl methacrylate
Concen: 51.615 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.5	72.0	108.0
39	68.2	54.1	81.1

Abundance Ion 41.00 (40.70 to 41.70): VN060161.D (-2211) (-)
Ion 69.00 (68.70 to 69.70): VN060161.D (-2211) (-)
Ion 39.00 (38.70 to 39.70): VN060161.D (-2211) (-)





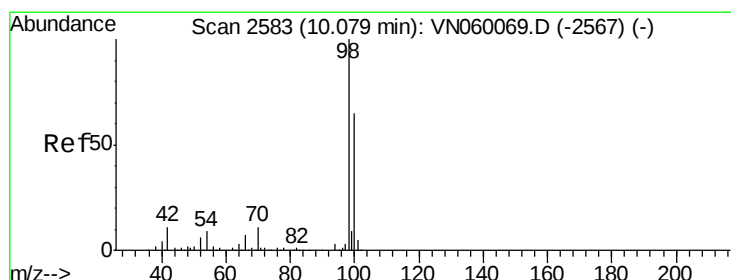
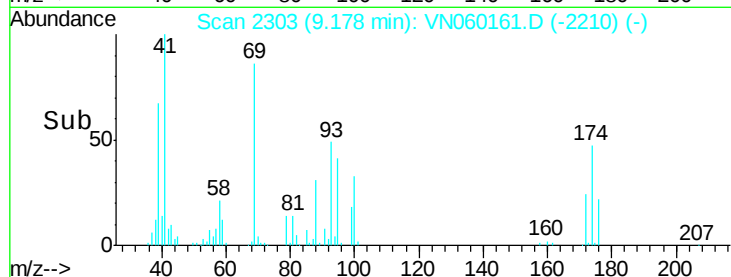
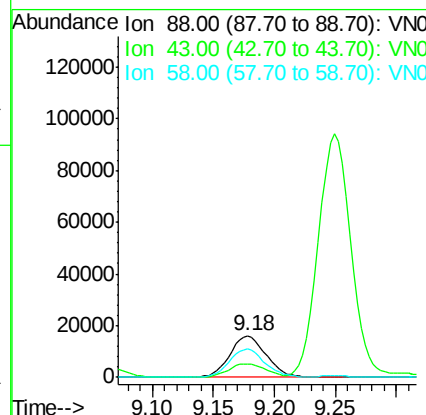
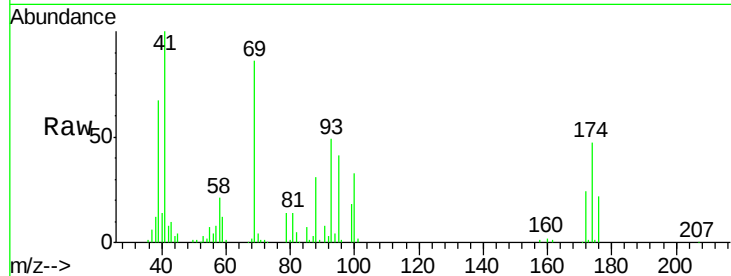
#49
1,4-Dioxane
Concen: 1049.274 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.2	39.2
58	66.4	53.2	79.8

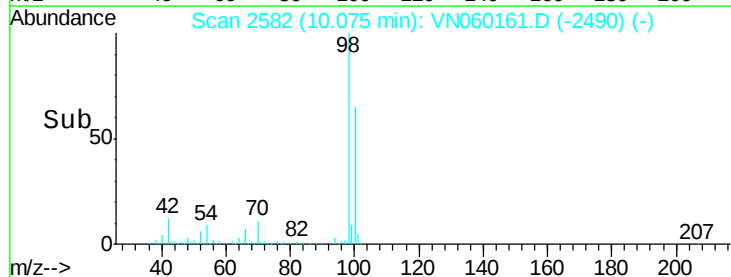
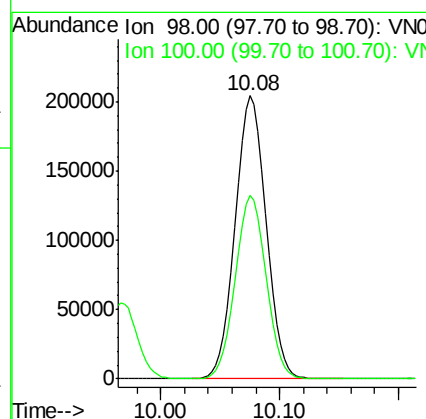
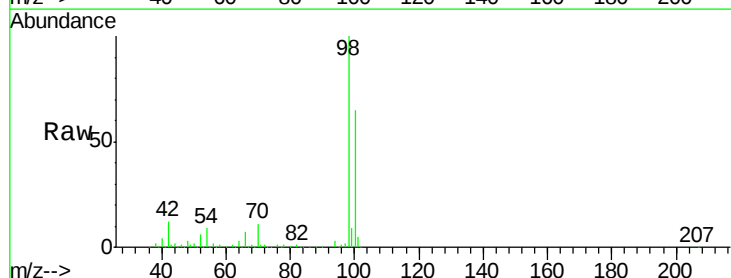
Manual Integrations
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#50
Toluene-d8
Concen: 52.190 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 264.312 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 639579

Ion Ratio Lower Upper

43 100

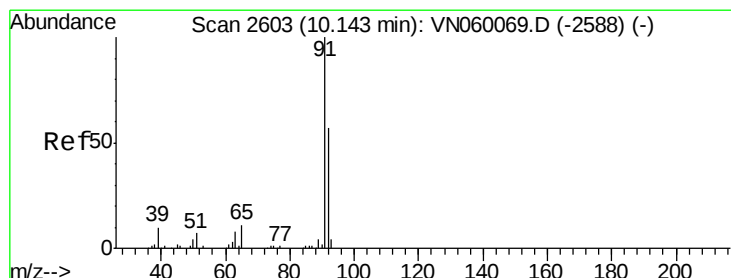
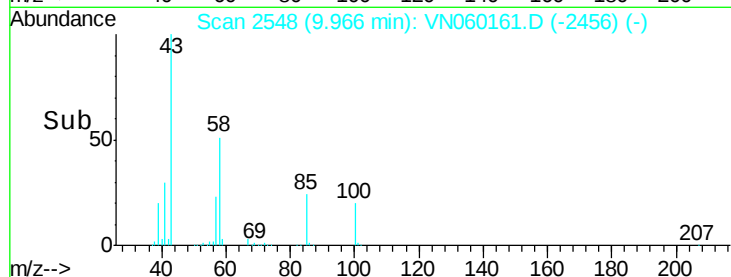
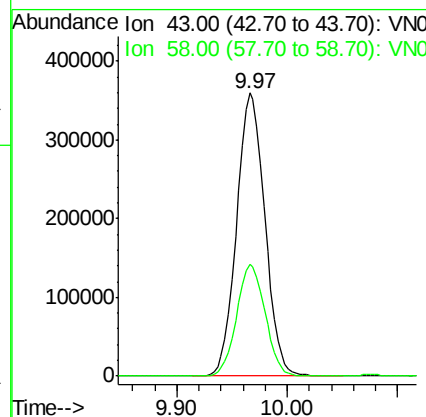
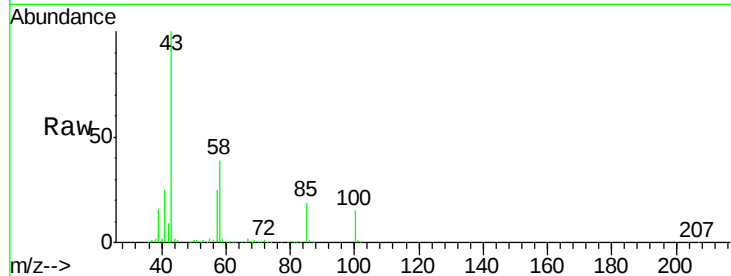
58 39.8 31.8 47.8

Manual Integrations

APPROVED

MMDadoda

2/21/2020 9:14:30 AM



#52

Toluene

Concen: 51.495 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060161.D

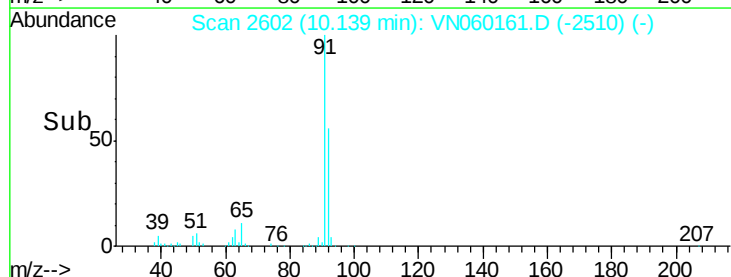
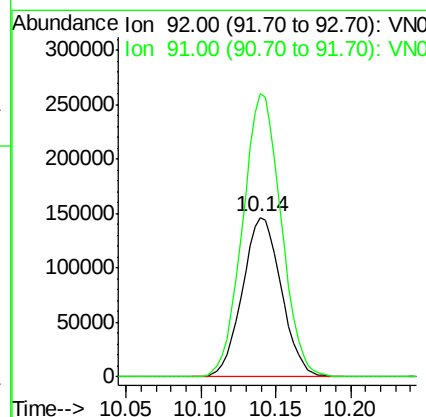
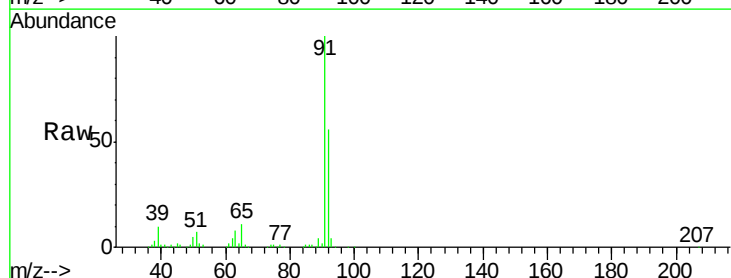
Acq: 20 Feb 2020 9:54

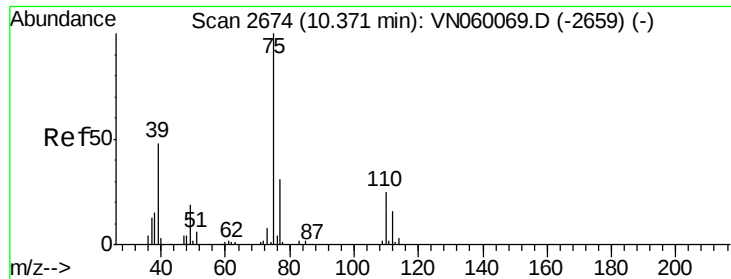
Tgt Ion: 92 Resp: 265069

Ion Ratio Lower Upper

92 100

91 176.3 140.9 211.3





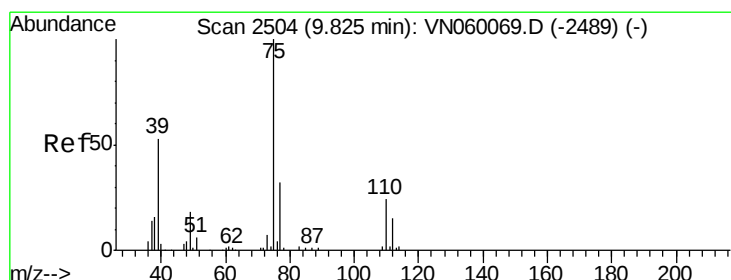
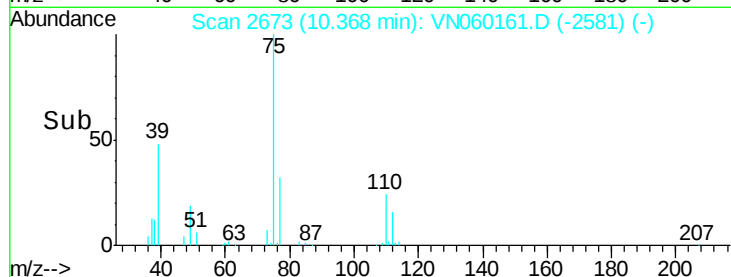
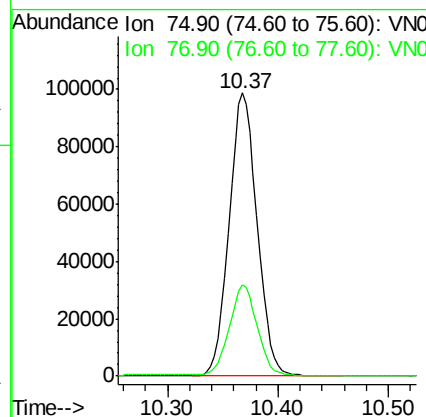
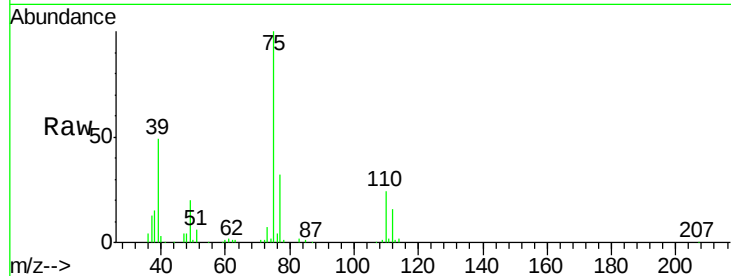
#53
t-1,3-Dichloropropene
Concen: 53.863 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 173590
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0

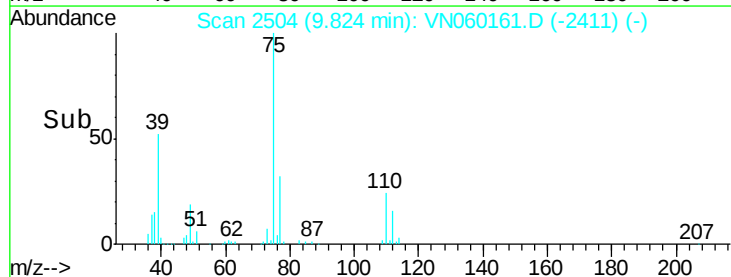
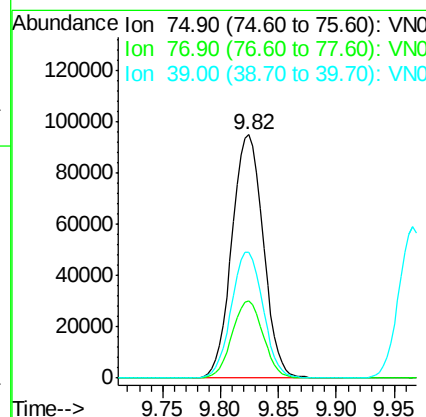
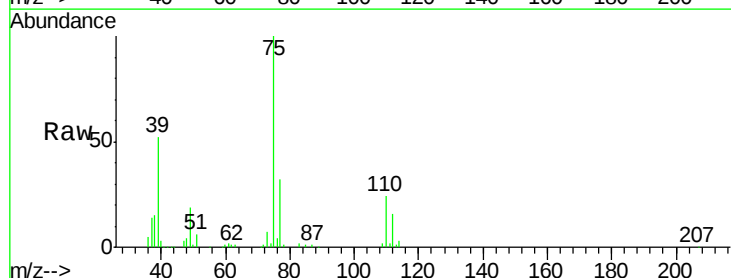
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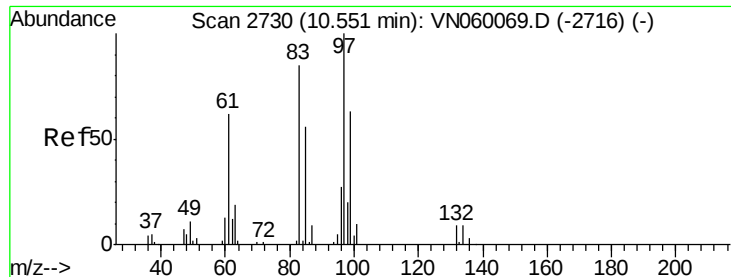
MMDadoda
2/21/2020 9:14:30 AM



#54
cis-1,3-Dichloropropene
Concen: 52.609 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion: 75 Resp: 178538
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4
39 51.6 42.2 63.4





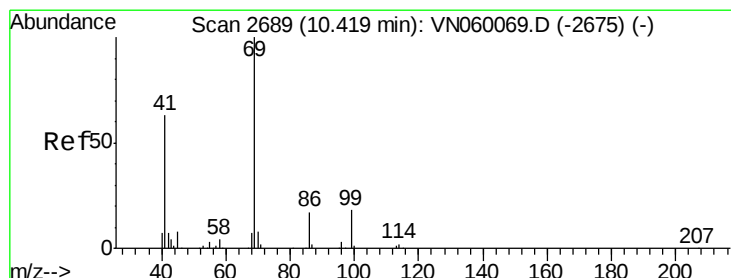
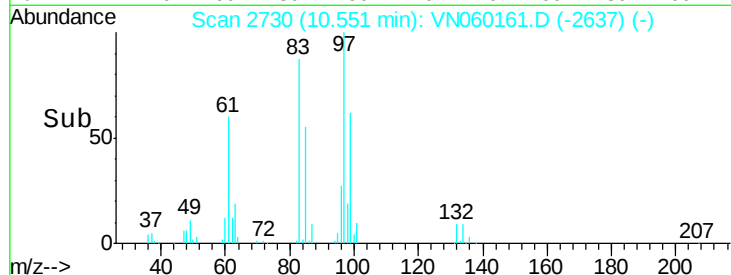
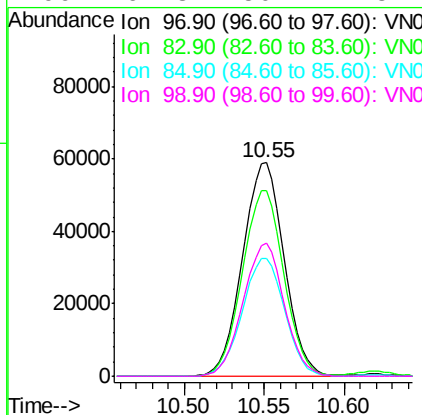
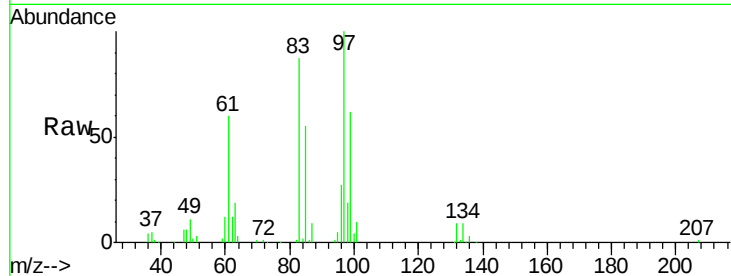
#55
 1,1,2-Trichloroethane
 Concen: 52.090 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	104605
Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.9	101.9
85	55.2	44.6	67.0
99	62.3	50.1	75.1

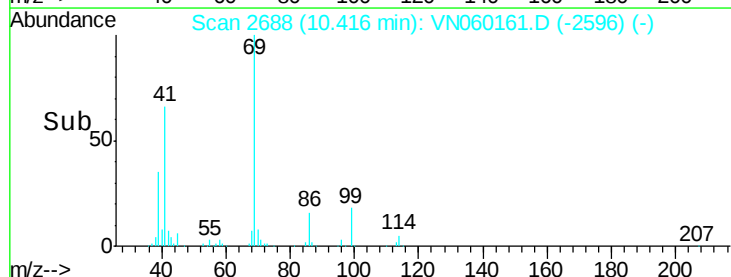
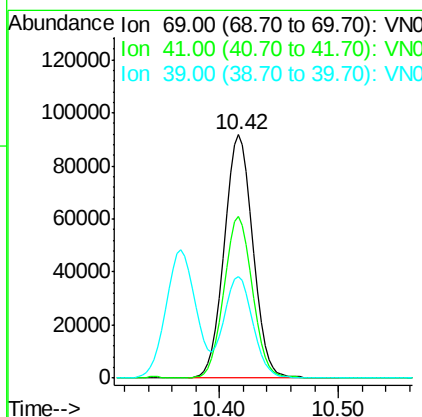
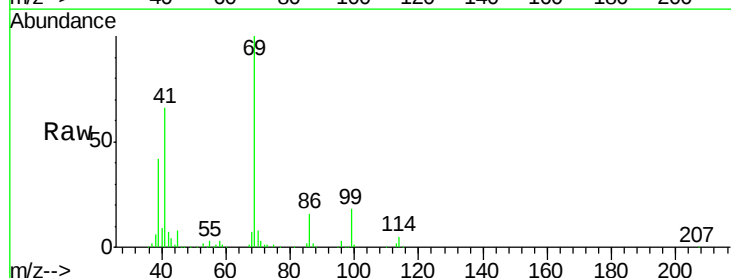
Manual Integrations
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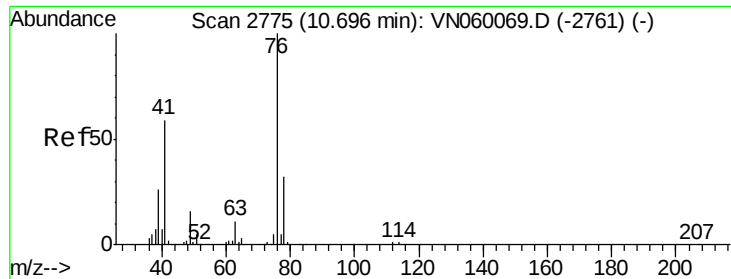
MMDadoda
 2/21/2020 9:14:30 AM



#56
 Ethyl methacrylate
 Concen: 53.944 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion:	69	Resp:	153242
Ion	Ratio	Lower	Upper
69	100		
41	65.7	51.1	76.7
39	42.1	33.8	50.8





#57

1,3-Dichloropropane

Concen: 51.644 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 171128

Ion Ratio Lower Upper

76 100

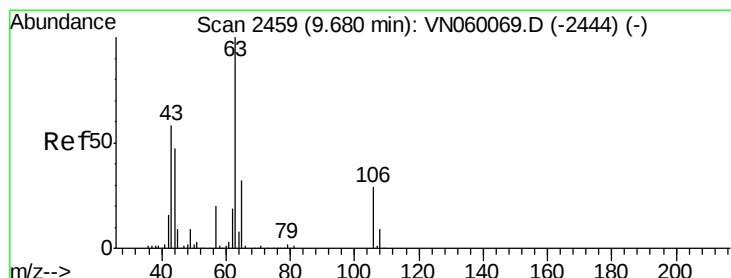
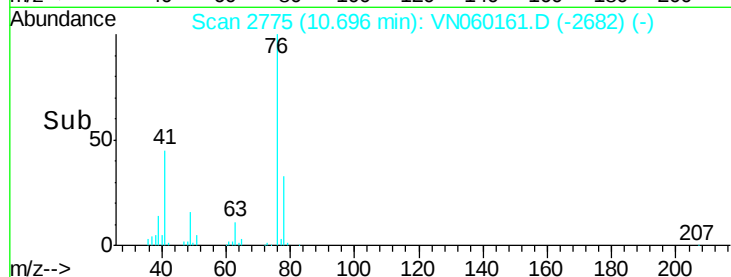
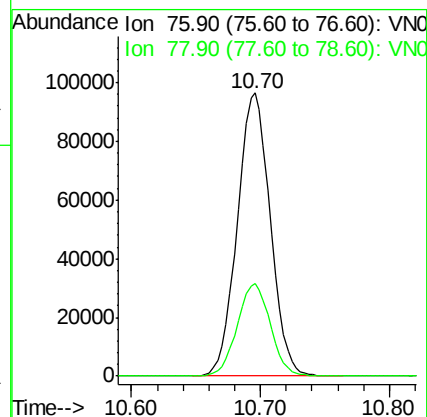
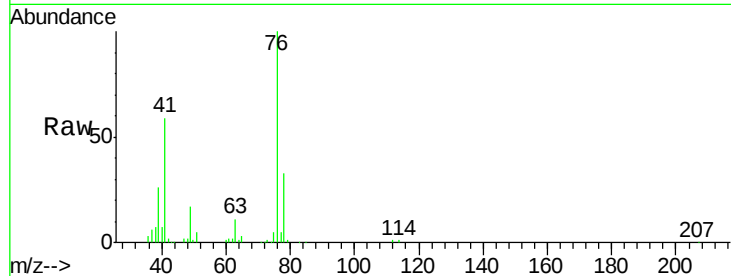
78 32.8 25.7 38.5

Manual Integrations

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MMDadoda

2/21/2020 9:14:30 AM



#58

2-Chloroethyl Vinyl ether

Concen: 227.159 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060161.D

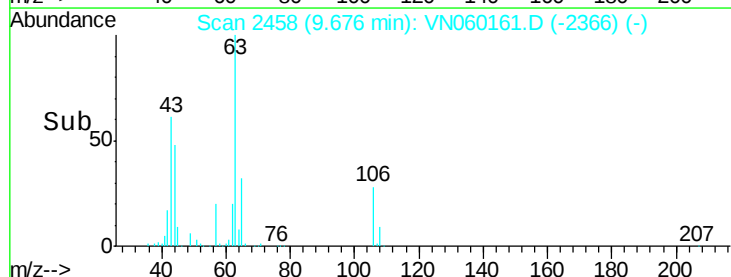
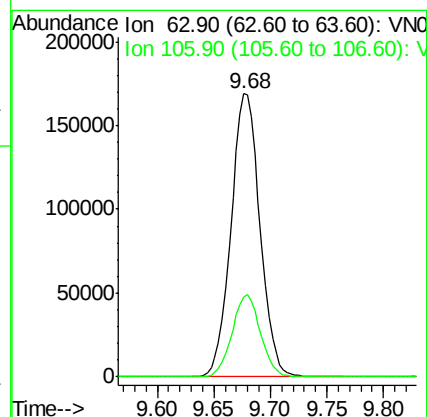
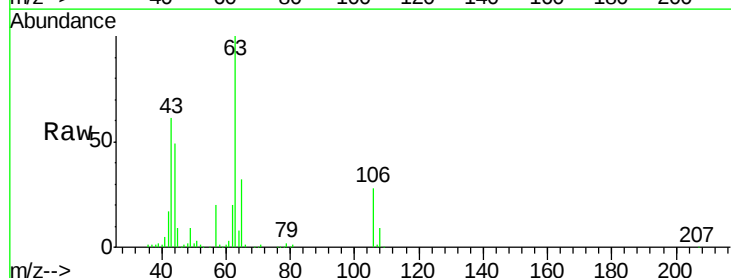
Acq: 20 Feb 2020 9:54

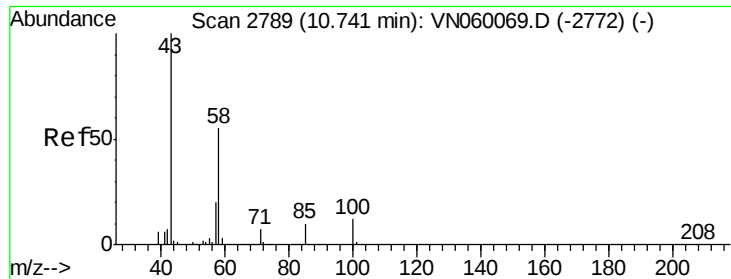
Tgt Ion: 63 Resp: 300631

Ion Ratio Lower Upper

63 100

106 28.5 22.9 34.3





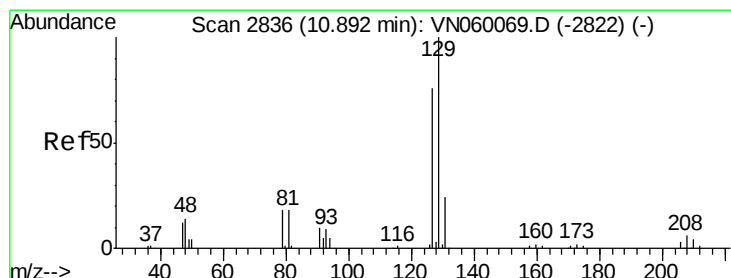
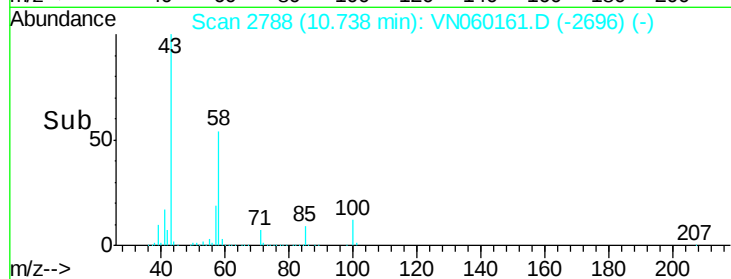
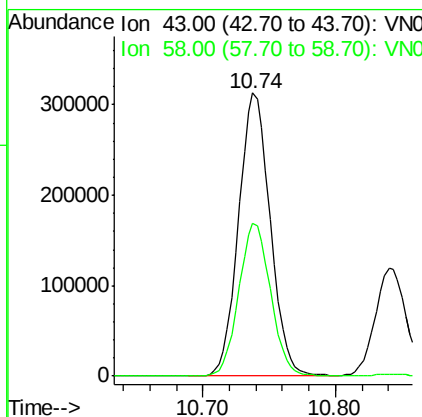
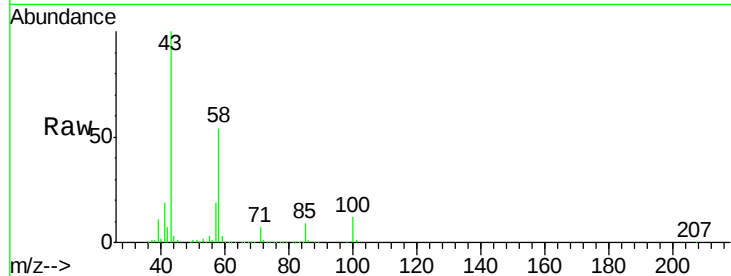
#59
2-Hexanone
Concen: 278.432 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 520452
Ion Ratio Lower Upper
43 100
58 54.2 27.5 82.4

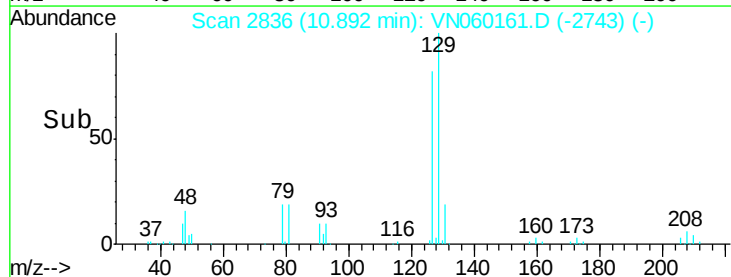
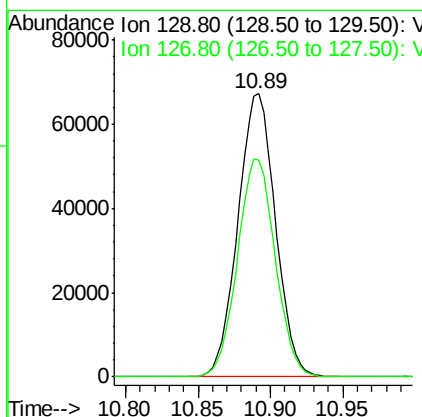
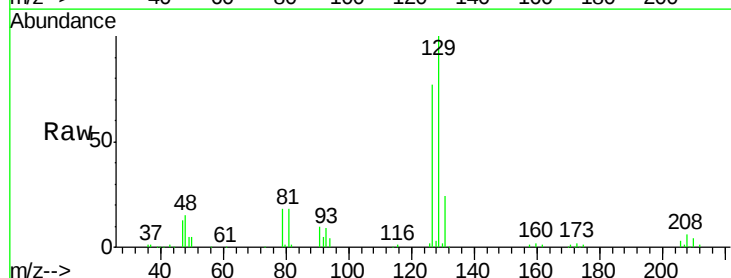
Manual Integrations
APPROVED

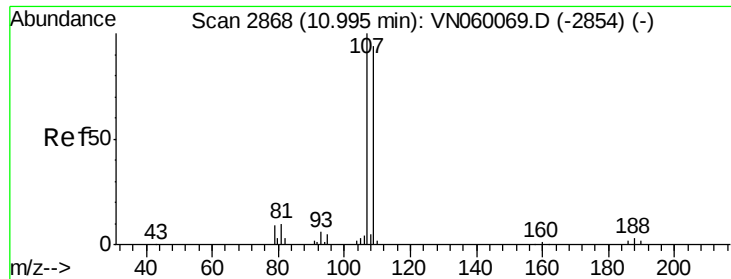
MMDadoda
2/21/2020 9:14:30 AM



#60
Dibromochloromethane
Concen: 52.623 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion: 129 Resp: 121268
Ion Ratio Lower Upper
129 100
127 77.3 38.0 114.1





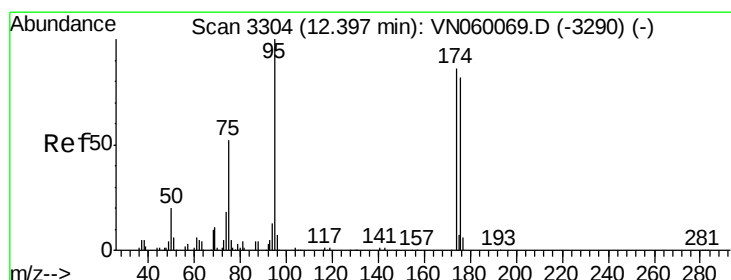
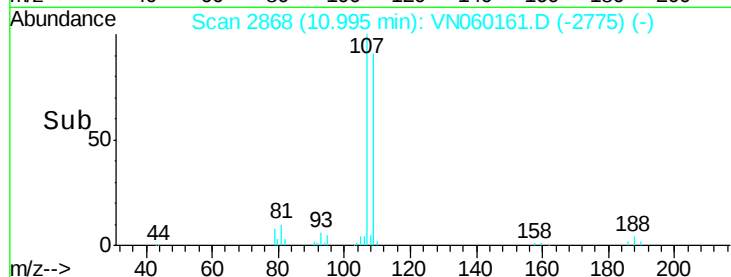
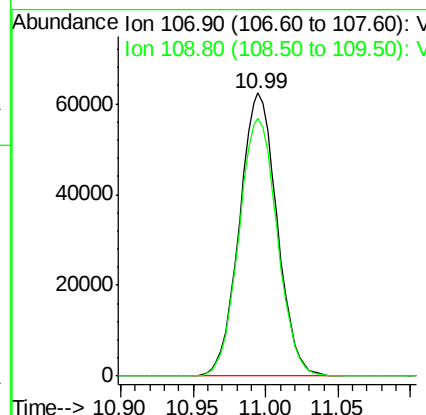
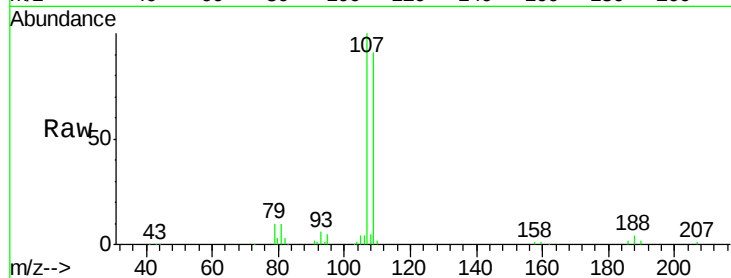
#61
 1,2-Dibromoethane
 Concen: 53.264 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	112127		
109	92.8	75.4	113.0	

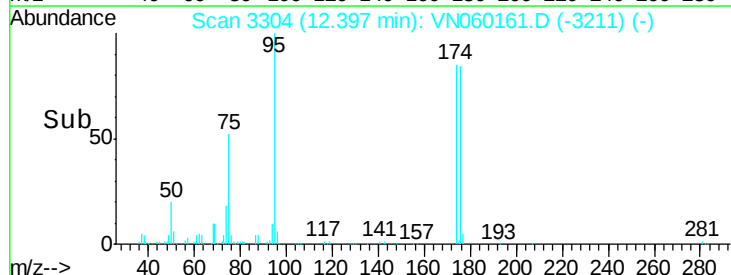
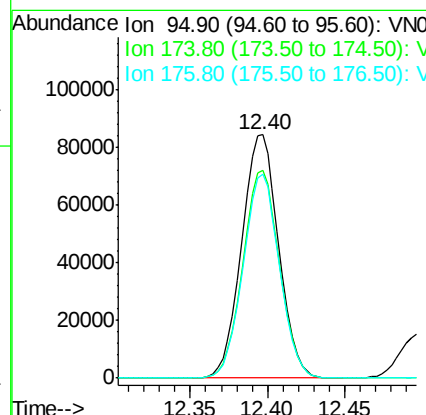
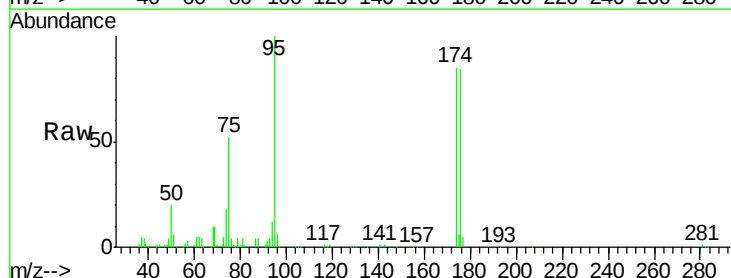
Manual Integrations
 APPROVED

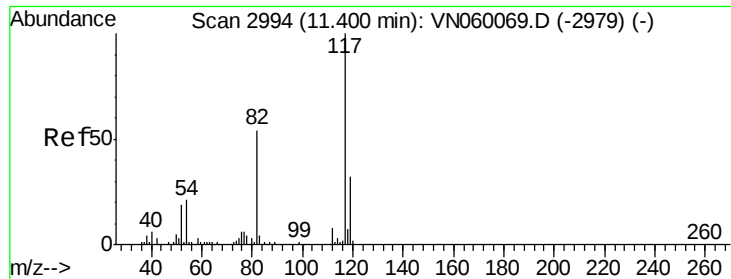
MMDadoda
 2/21/2020 9:14:30 AM



#62
 4-Bromofluorobenzene
 Concen: 53.797 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	139799		
174	84.7	0.0	169.8	
176	82.4	0.0	164.8	





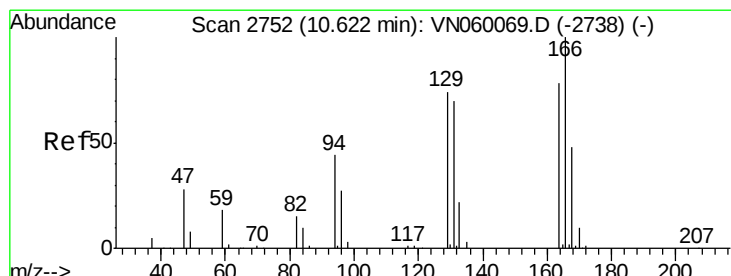
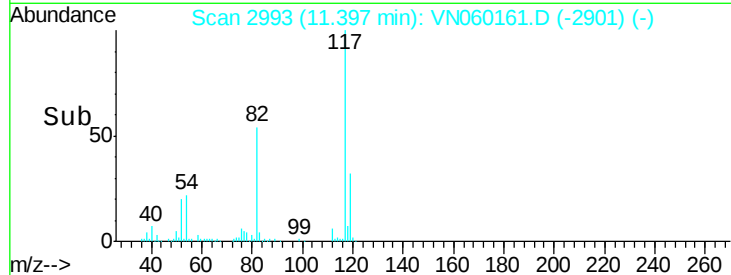
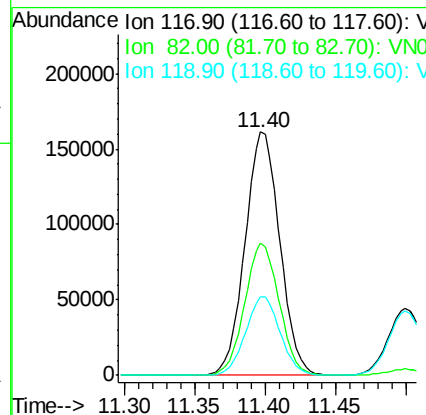
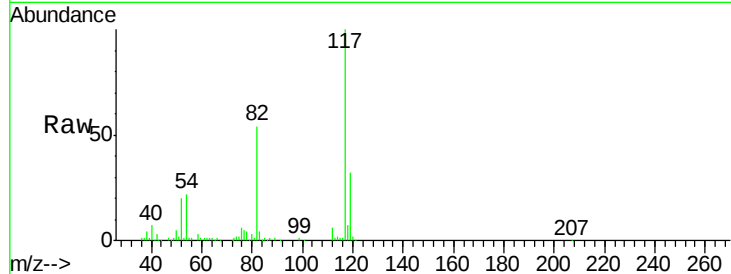
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	278821		
82	54.2	43.4	65.0	
119	32.3	25.8	38.6	

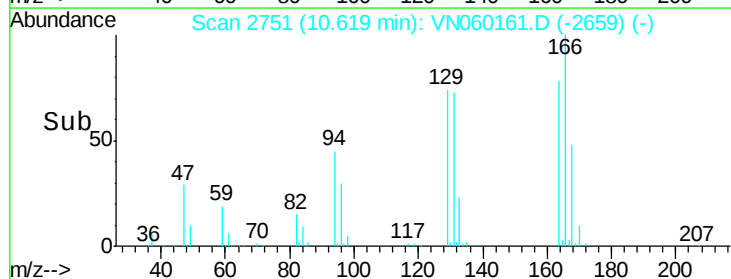
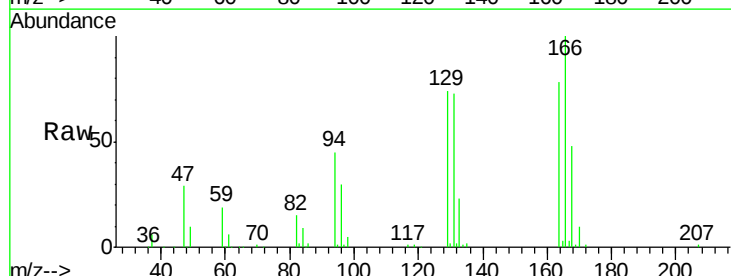
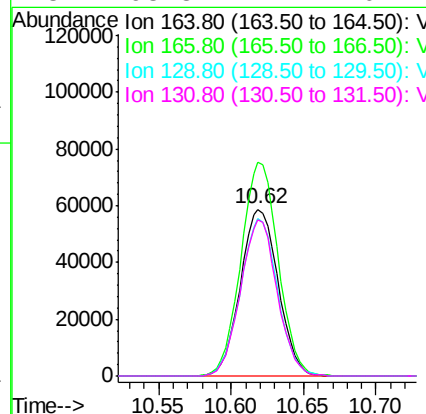
Manual Integrations
APPROVED

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2/21/2020 9:14:30 AM



#64
Tetrachloroethene
Concen: 50.228 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	106462		
166	128.0	101.9	152.9	
129	94.1	75.4	113.0	
131	93.8	71.4	107.2	





#65

Chlorobenzene

Concen: 51.383 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 291885

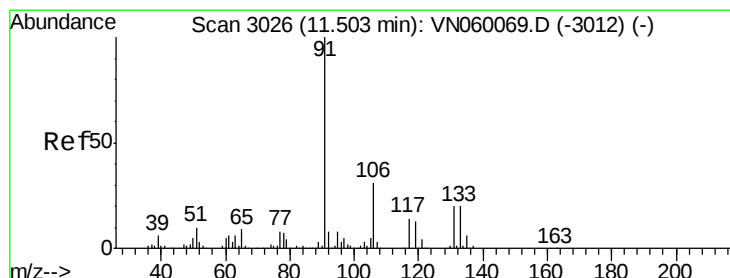
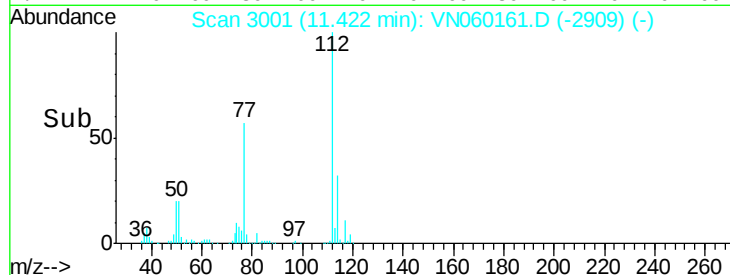
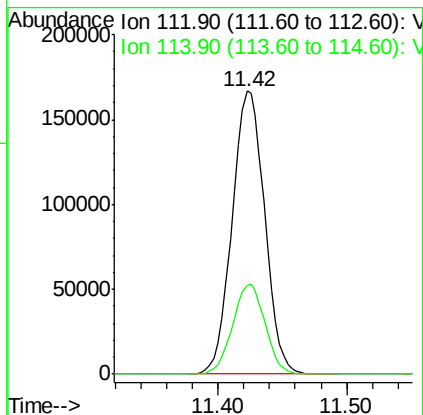
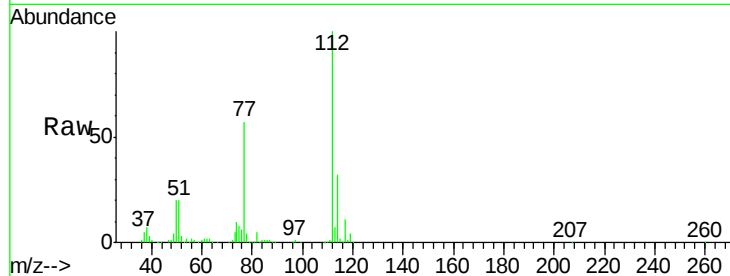
Ion Ratio Lower Upper

112 100

114 31.5 25.4 38.0

Manual Integrations
APPROVED

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2/21/2020 9:14:30 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 51.761 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

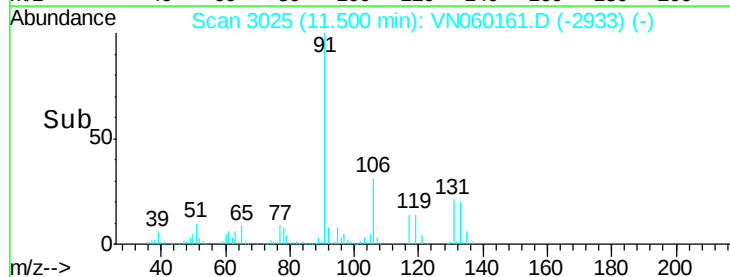
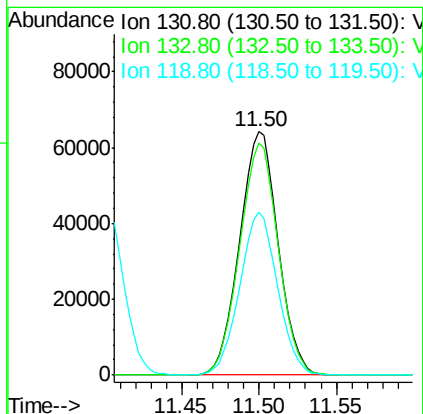
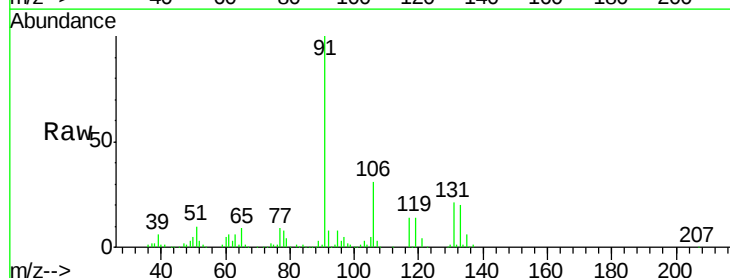
Tgt Ion:131 Resp: 111232

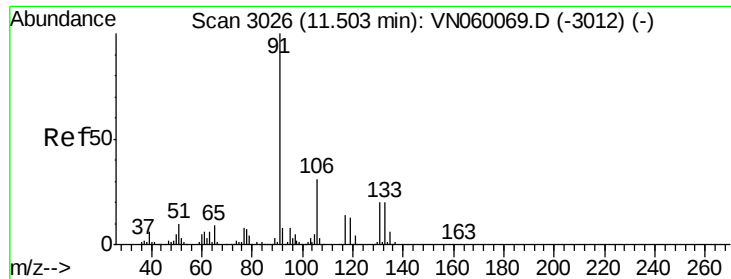
Ion Ratio Lower Upper

131 100

133 95.6 47.9 143.7

119 65.7 32.6 97.7





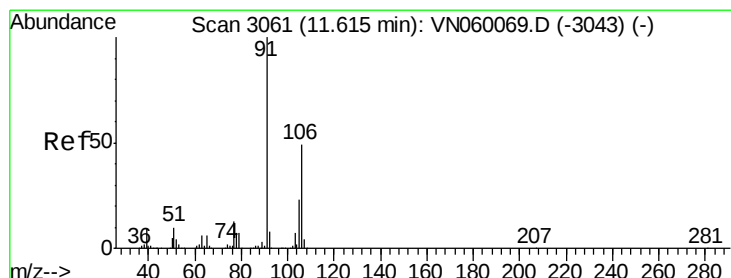
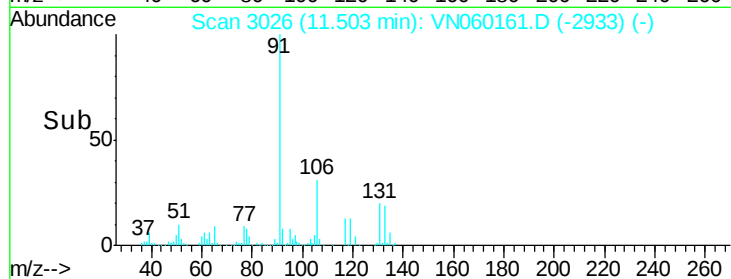
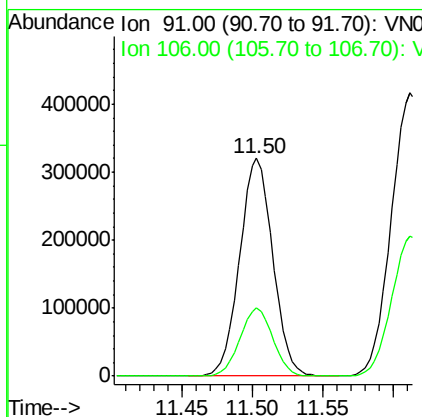
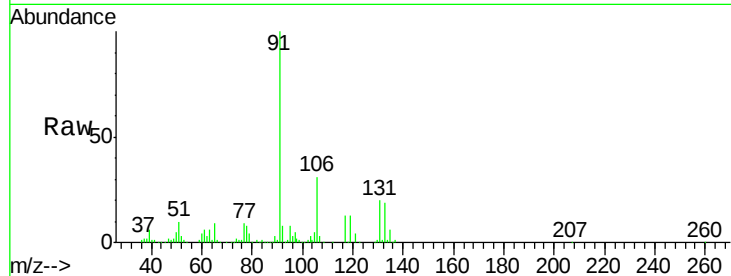
#67
Ethyl Benzene
Concen: 51.542 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 528065
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

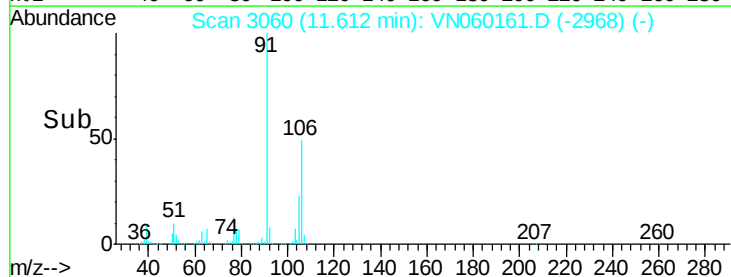
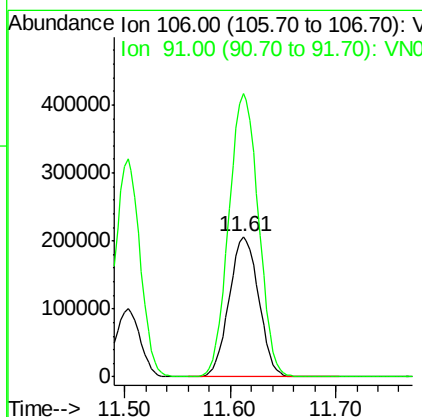
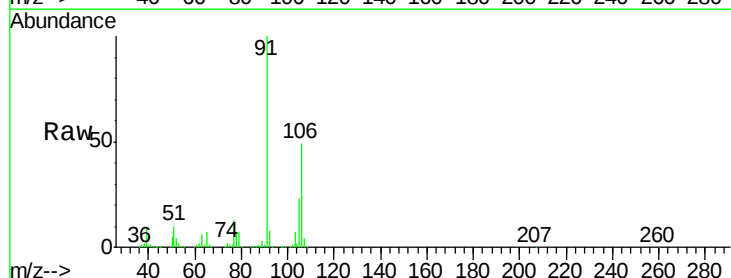
Manual Integrations
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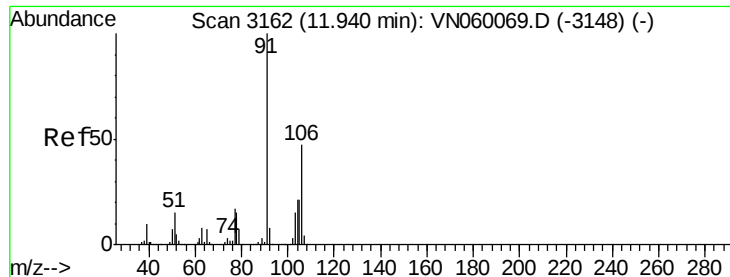
MMDadoda
2/21/2020 9:14:30 AM



#68
m/p-Xylenes
Concen: 103.890 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion: 106 Resp: 399479
Ion Ratio Lower Upper
106 100
91 203.0 162.7 244.1





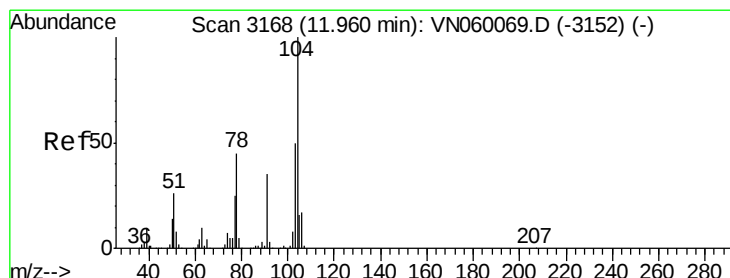
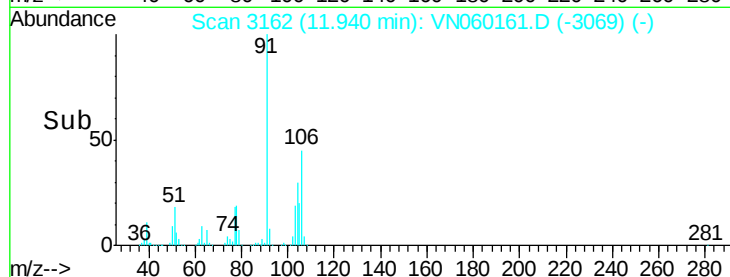
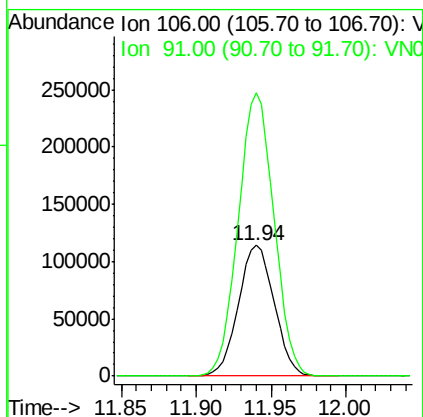
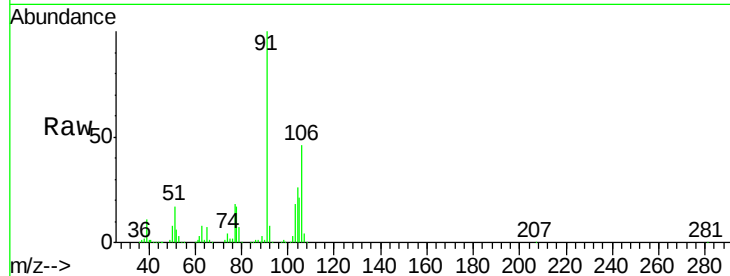
#69
o-Xylene
Concen: 51.524 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 190759
Ion Ratio Lower Upper
106 100
91 215.7 107.2 321.6

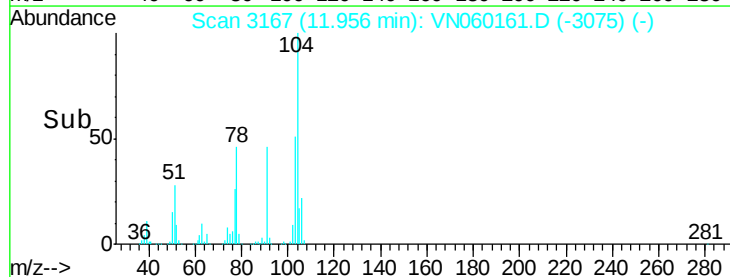
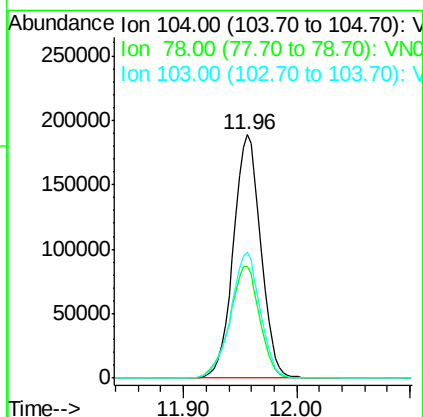
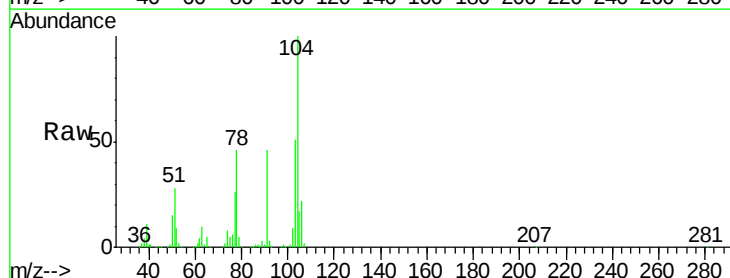
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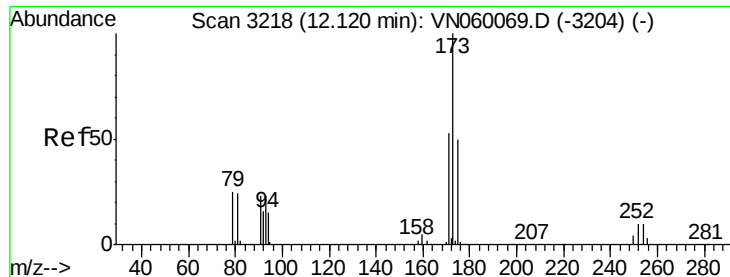
MMDadoda
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#70
Styrene
Concen: 53.367 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion:104 Resp: 318616
Ion Ratio Lower Upper
104 100
78 50.3 40.2 60.2
103 55.3 44.3 66.5





#71

Bromoform

Concen: 53.571 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

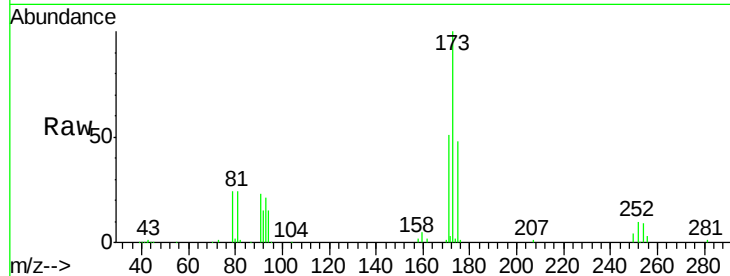
ClientSampleId :

VSTDCCC050

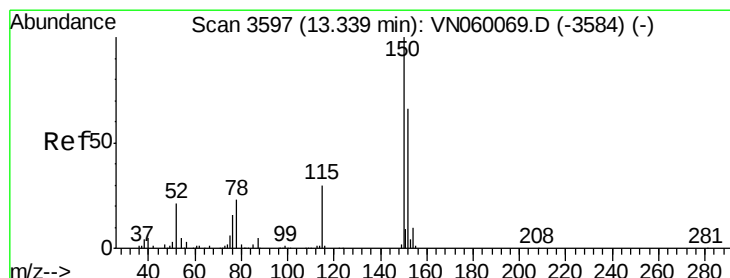
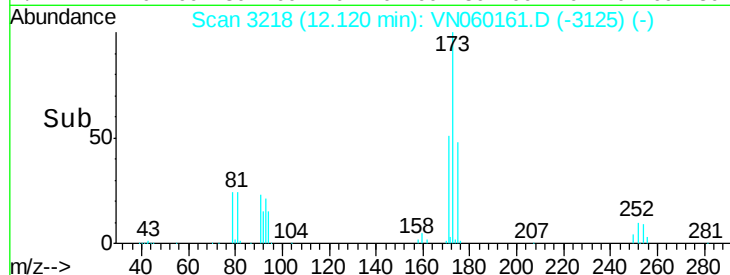
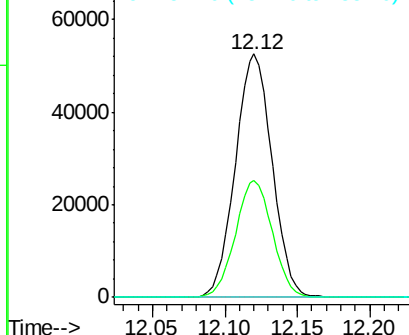
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.6
254	0.0	0.0	0.0

Manual Integrations
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2/21/2020 9:14:30 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

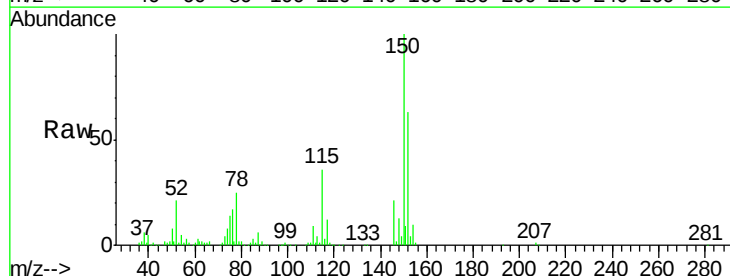
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

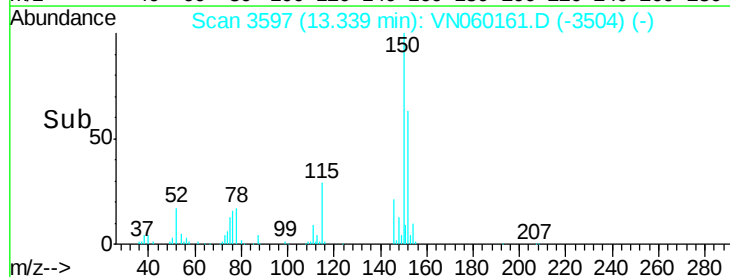
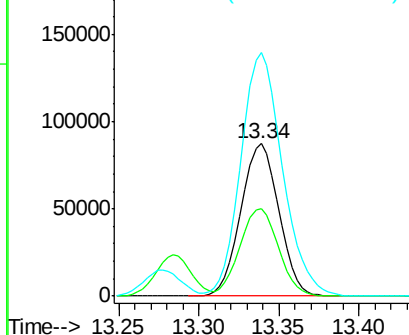
Lab File: VN060161.D

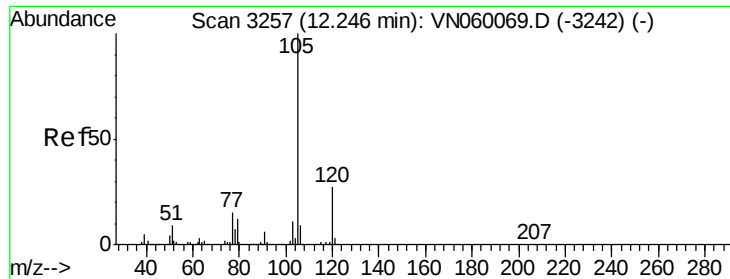
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.9	86.8
150	175.2	0.0	342.4



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: 50.065 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 528194

Ion Ratio Lower Upper

105 100

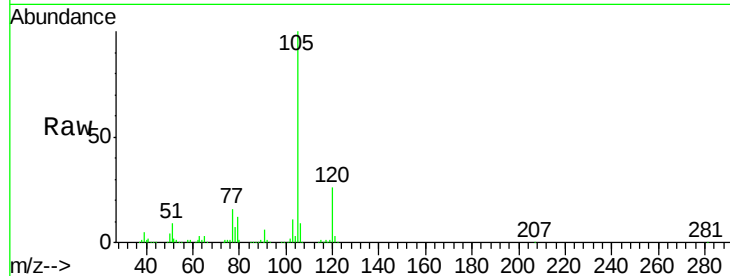
120 26.3 13.3 39.8

Manual Integrations

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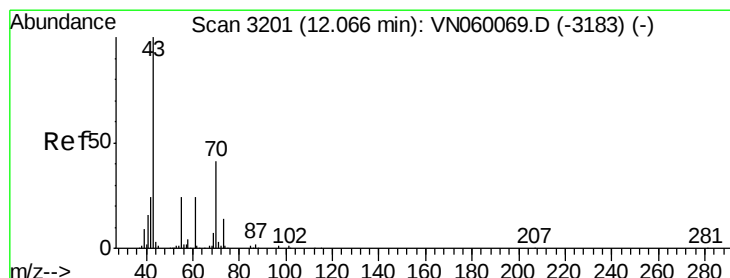
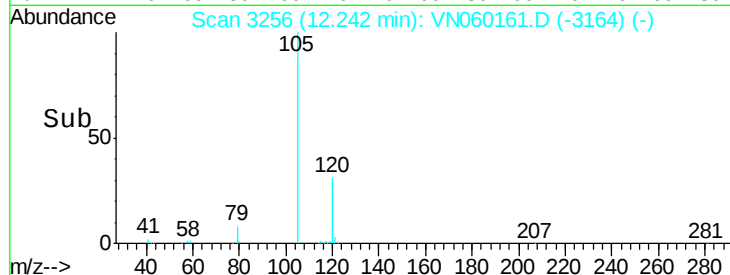
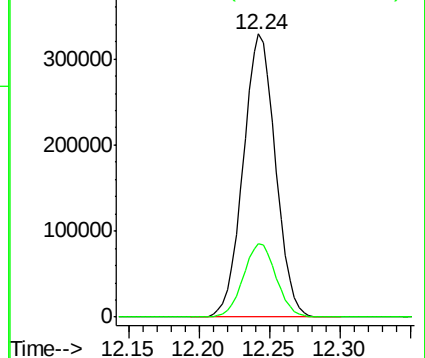
MMDadoda

2/21/2020 9:14:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.603 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Tgt Ion: 43 Resp: 200121

Ion Ratio Lower Upper

43 100

70 42.4 33.4 50.0

55 23.5 18.8 28.2

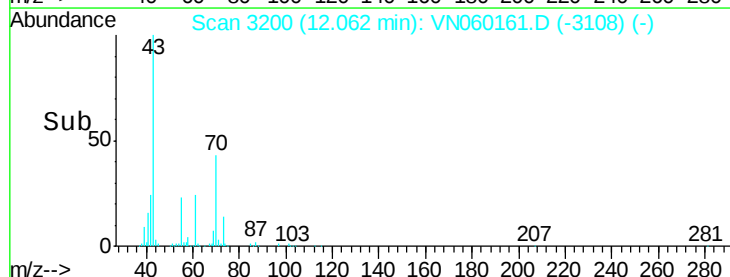
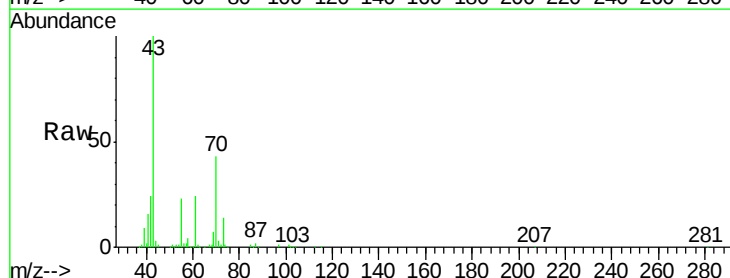
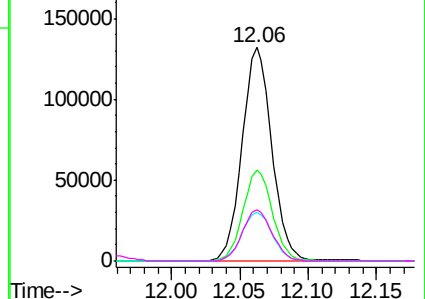
61 24.0 19.2 28.8

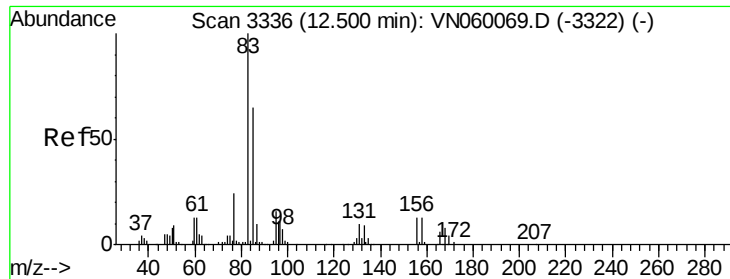
Abundance Ion 43.00 (42.70 to 43.70): V

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: 50.209 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

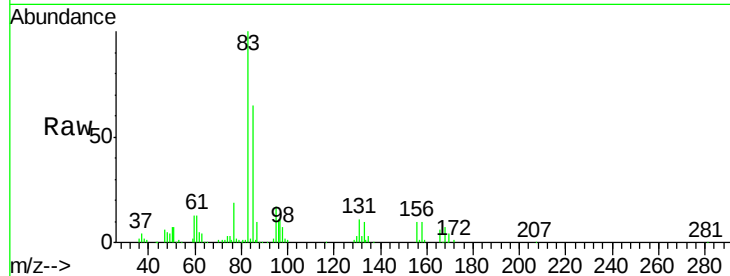
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	152470
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.9	32.3	96.9

Manual Integrations
APPROVED

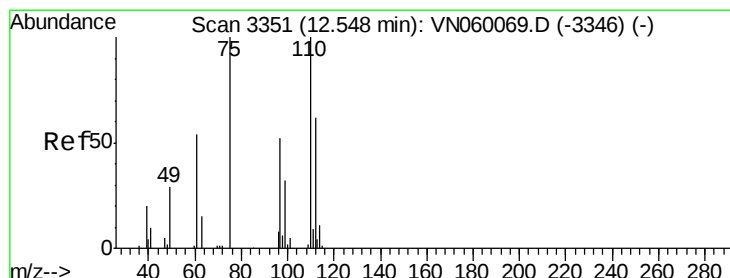
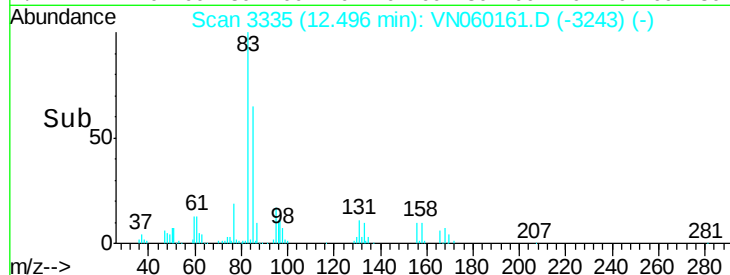
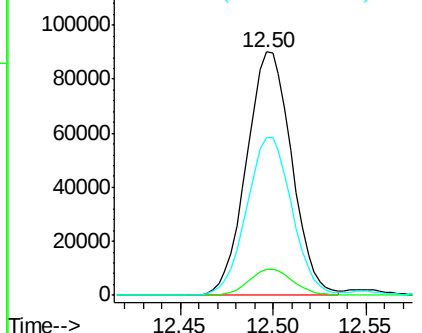
MMDadoda
2/21/2020 9:14:30 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060161.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060161.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060161.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 49.398 ug/l m

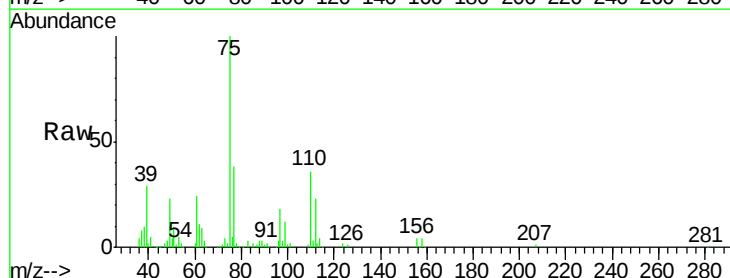
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060161.D

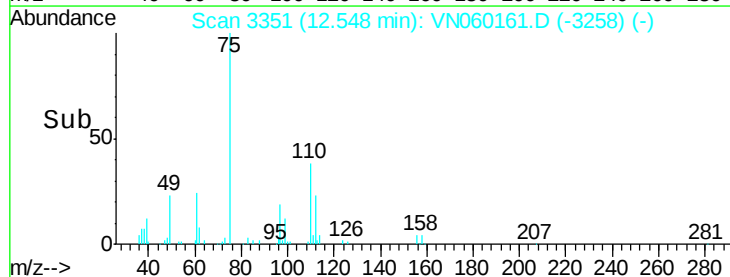
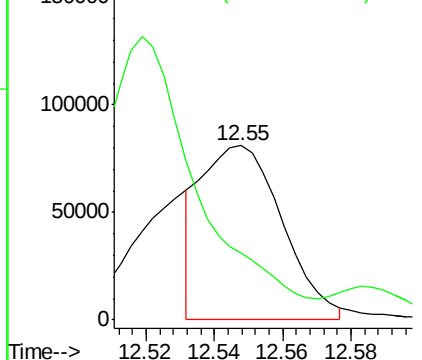
Acq: 20 Feb 2020 9:54

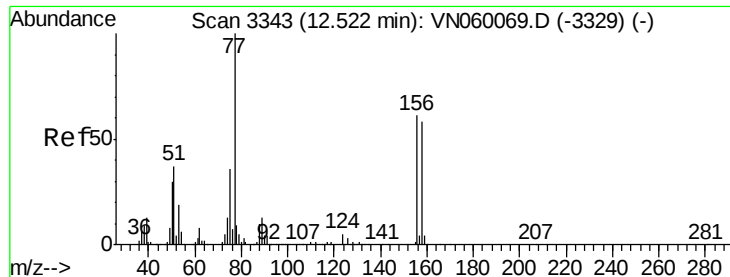
Tgt Ion:	75	Resp:	133524
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060161.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060161.D (-3258) (-)





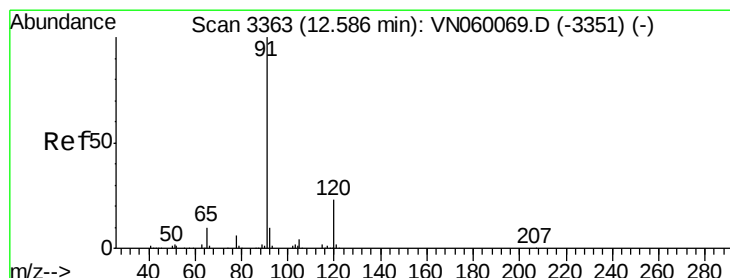
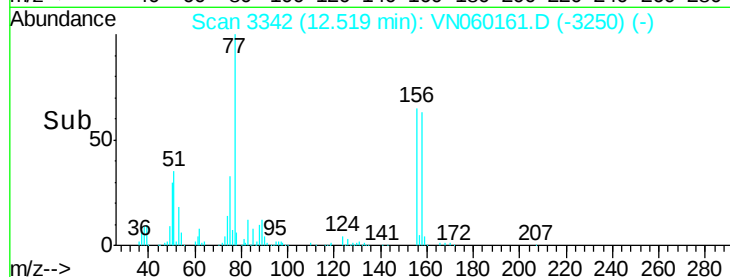
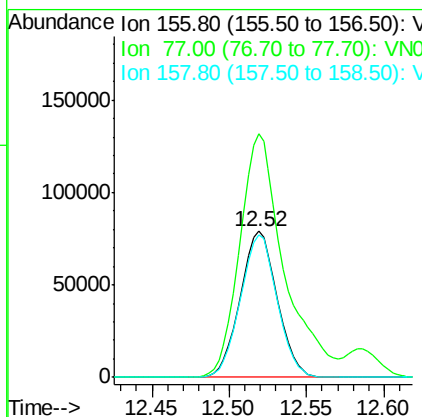
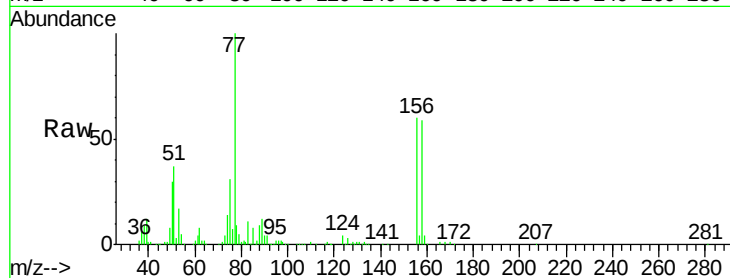
#77
Bromobenzene
Concen: 50.285 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	200.4	98.7	296.1
158	96.7	48.1	144.4

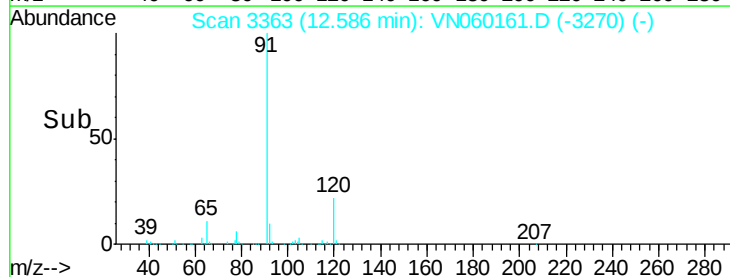
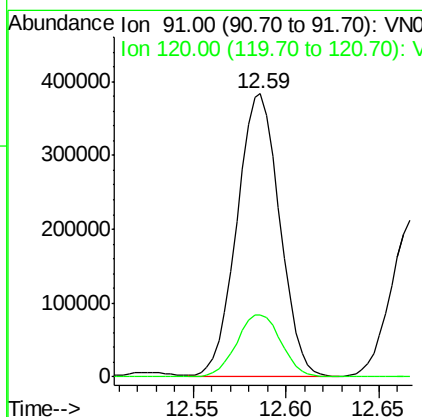
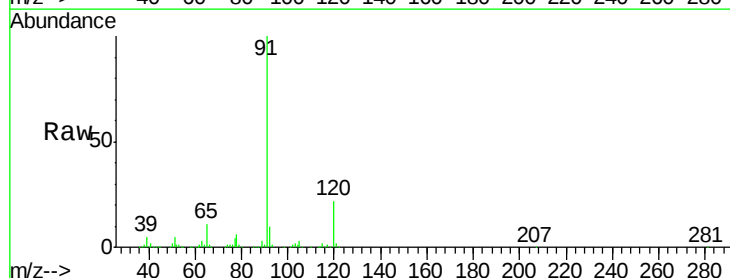
Manual Integrations
APPROVED

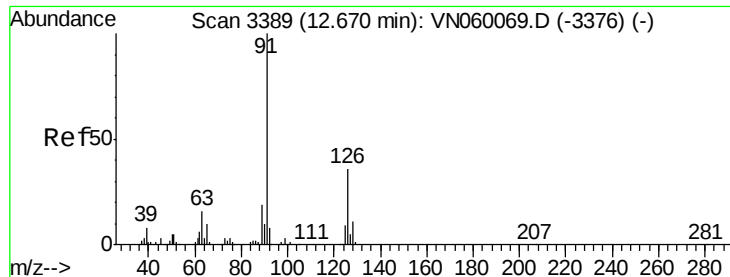
MMDadoda
2/21/2020 9:14:30 AM



#78
n-propylbenzene
Concen: 50.899 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5





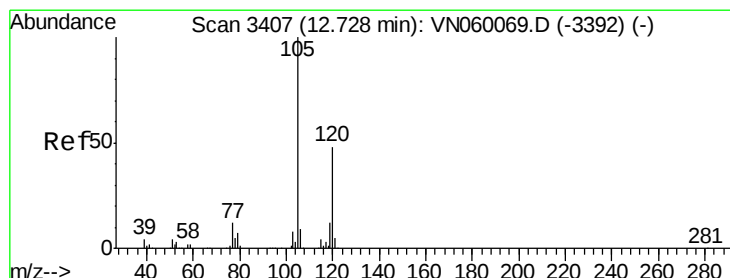
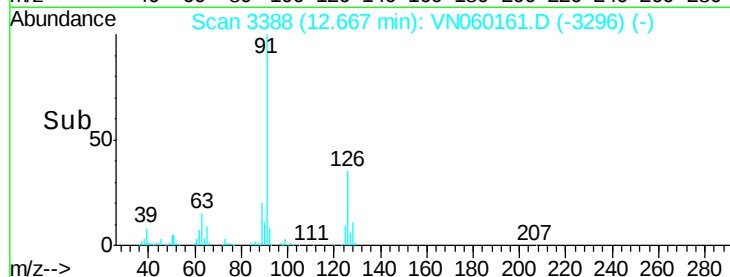
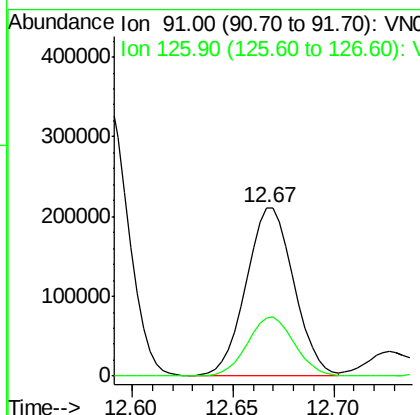
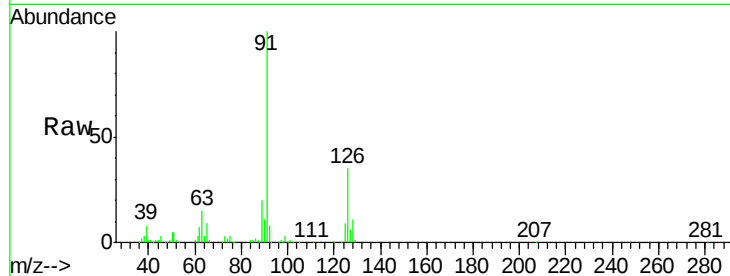
#79
 2-Chlorotoluene
 Concen: 49.383 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.2

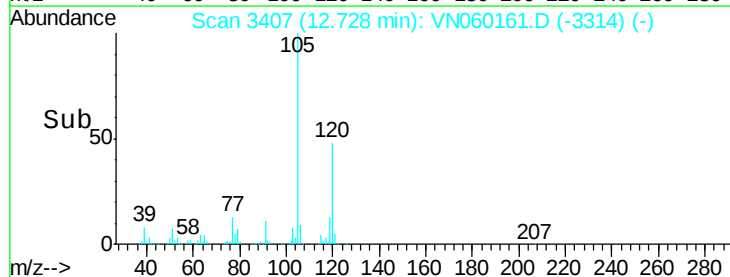
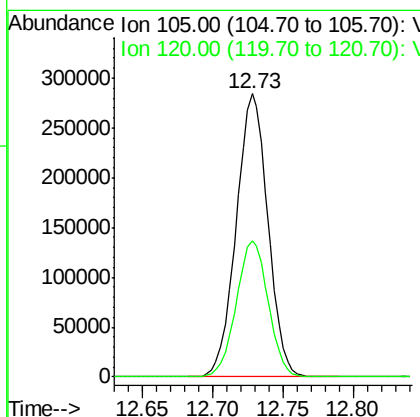
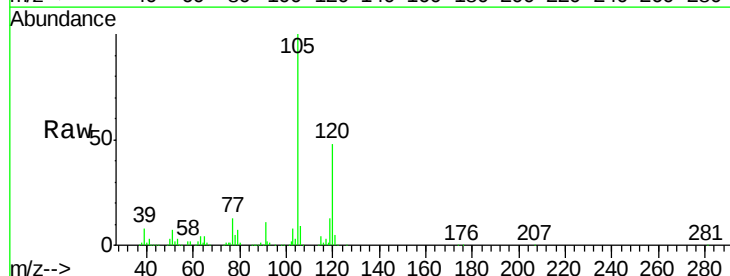
Manual Integrations
 APPROVED

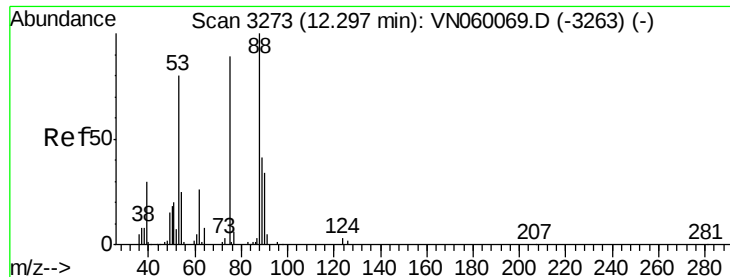
MMDadoda
 2/21/2020 9:14:30 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.836 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	72.9





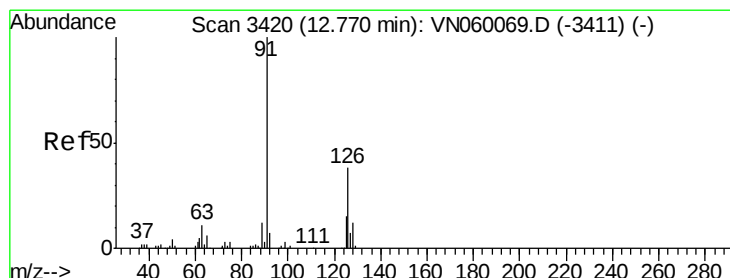
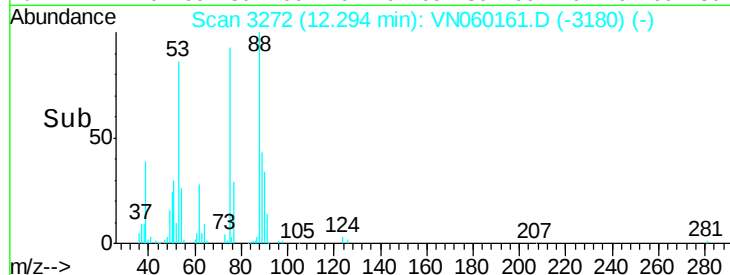
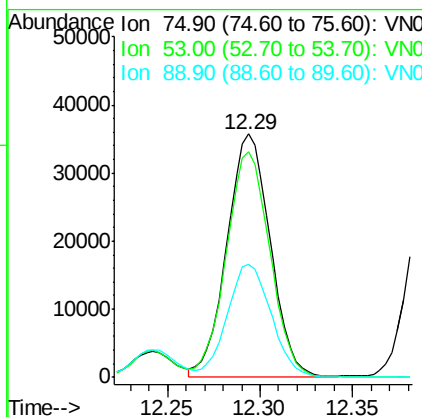
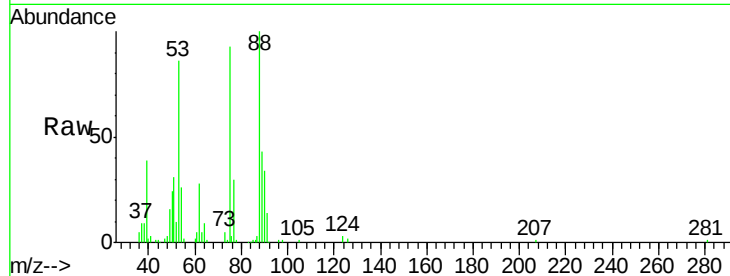
#81
trans-1,4-Dichloro-2-butene
Concen: 52.652 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.5	73.9	110.9
89	46.8	37.0	55.4

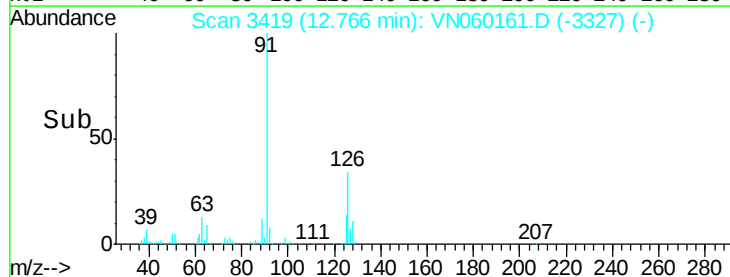
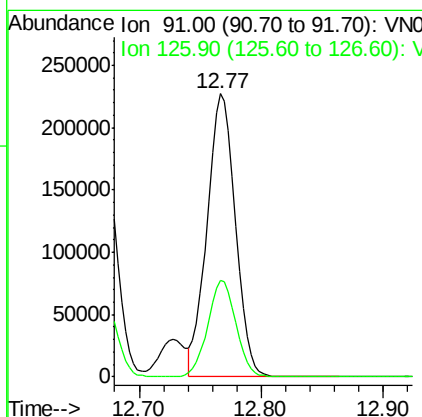
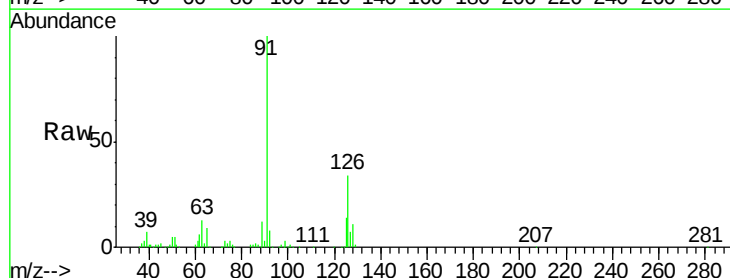
Manual Integrations
APPROVED

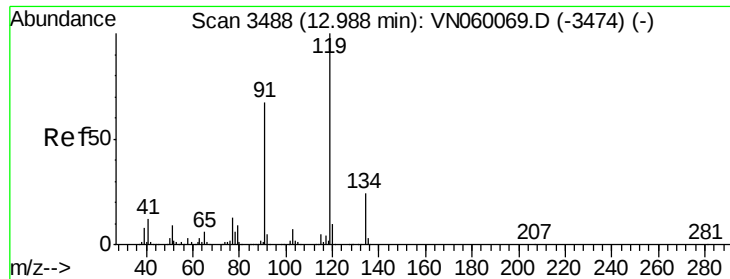
MMDadoda
2/21/2020 9:14:30 AM



#82
4-Chlorotoluene
Concen: 50.869 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.1	51.3





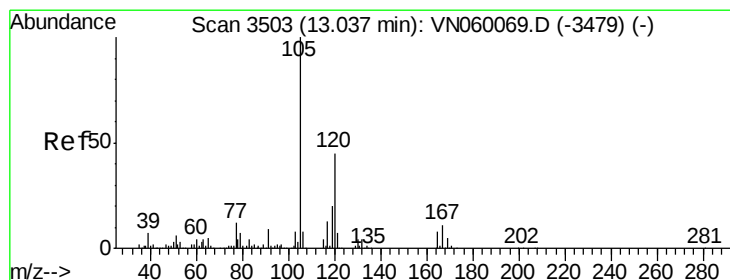
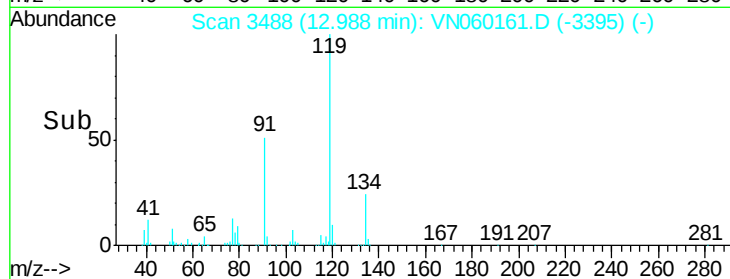
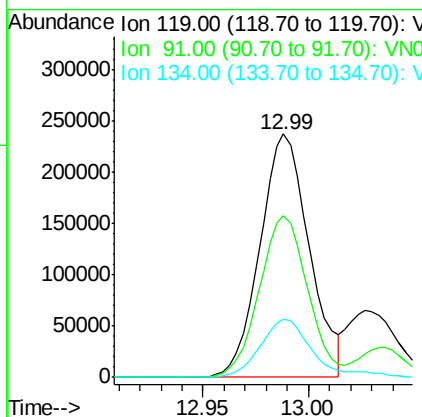
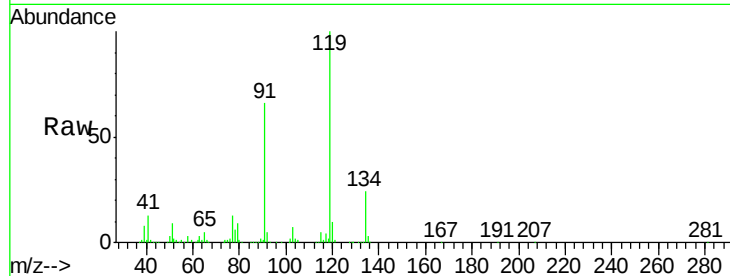
#83
 tert-Butylbenzene
 Concen: 49.705 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	385704		
91	65.4	32.7	98.1	
134	25.5	12.9	38.7	

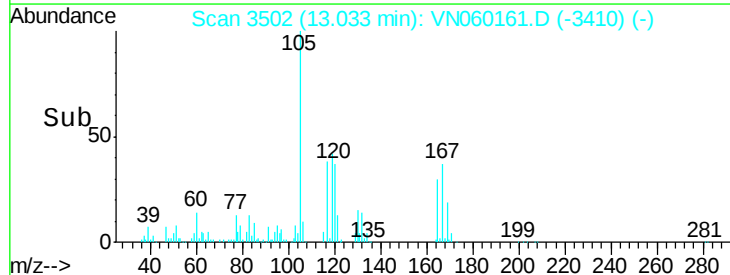
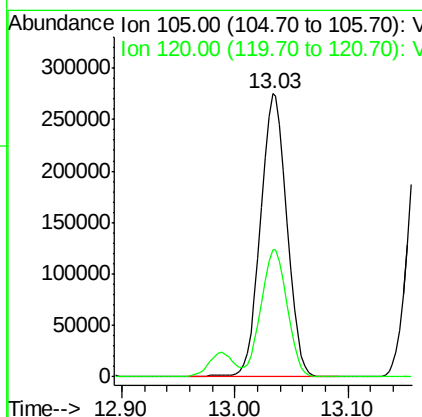
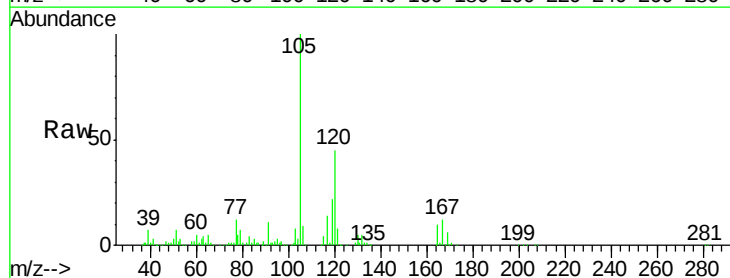
Manual Integrations
 APPROVED

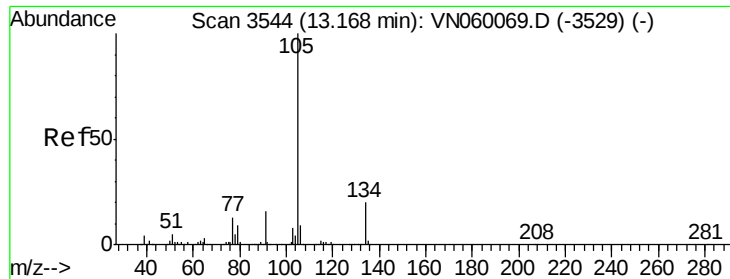
MMDadoda
 2/21/2020 9:14:30 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.439 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	445408		
120	44.6	22.4	67.3	





#85

sec-Butylbenzene

Concen: 50.671 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

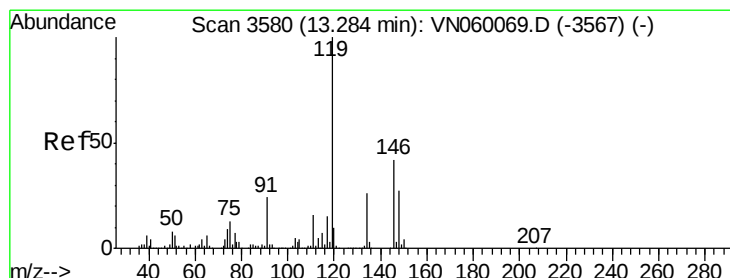
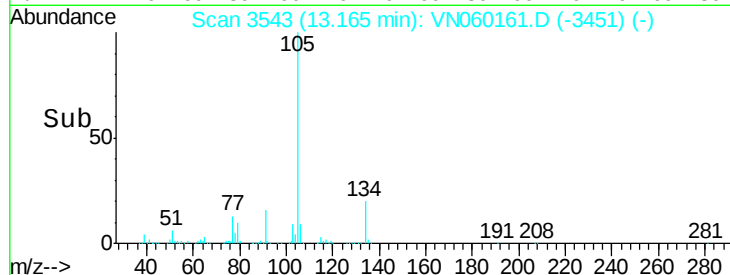
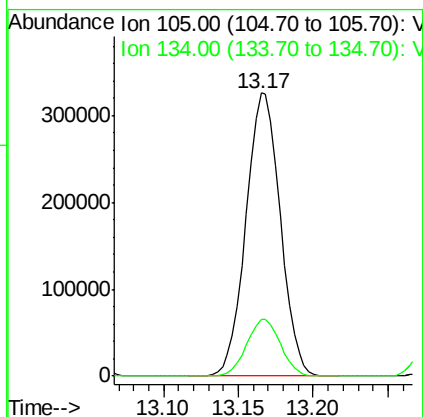
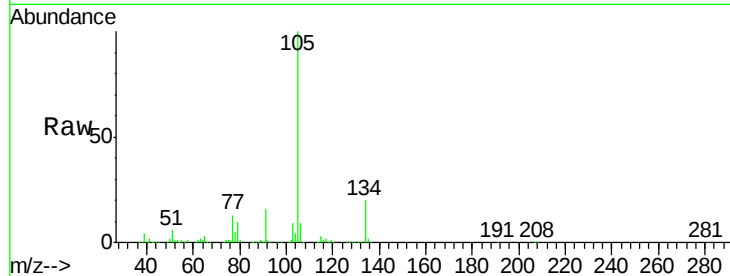
ClientSampleId :

VSTDCCC050

Tot Ion:	105	Resp:	520737
Ion Ratio	Lower	Upper	
105	100		
134	19.9	9.9	29.7

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.793 ug/l

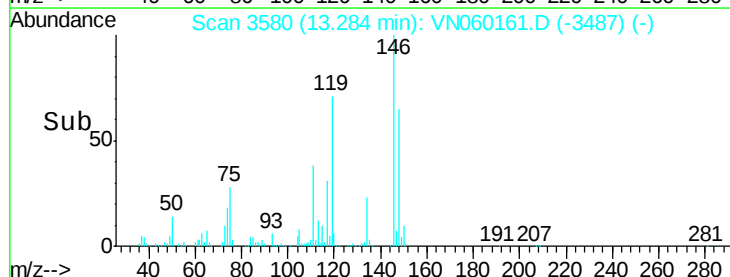
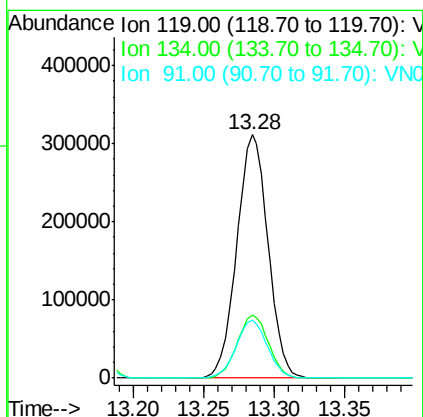
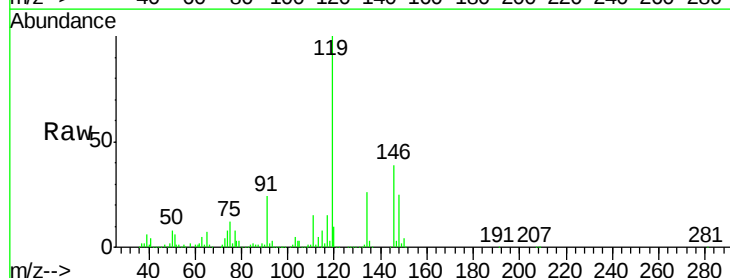
RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Tgt Ion:	119	Resp:	482254
Ion Ratio	Lower	Upper	
119	100		
134	26.1	13.3	39.8
91	23.7	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 51.835 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060161.D

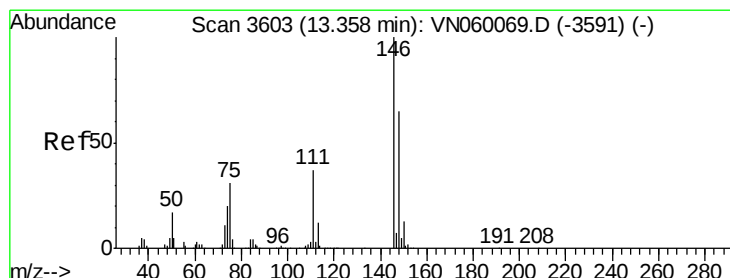
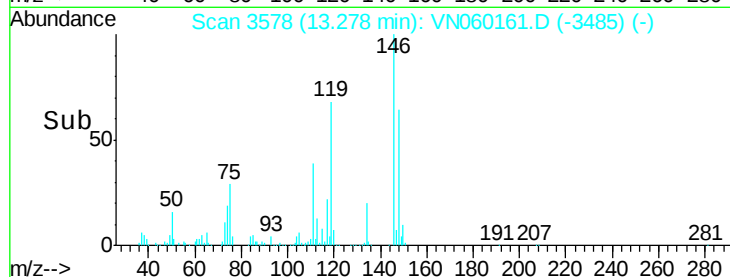
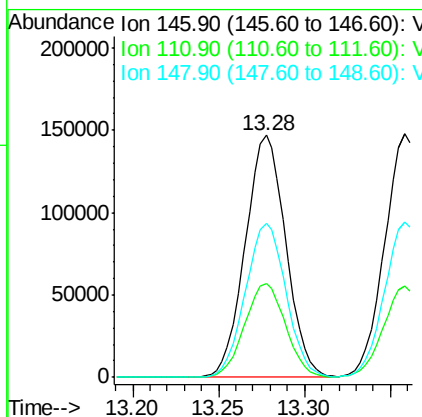
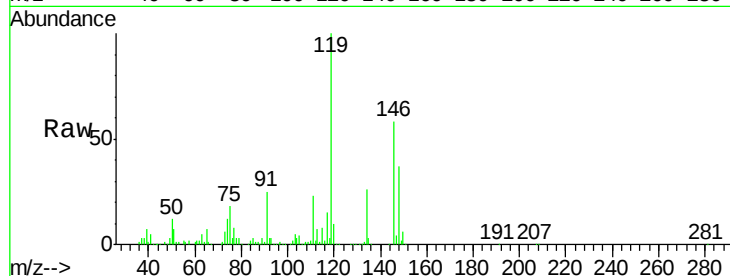
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	63.8	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.337 ug/l

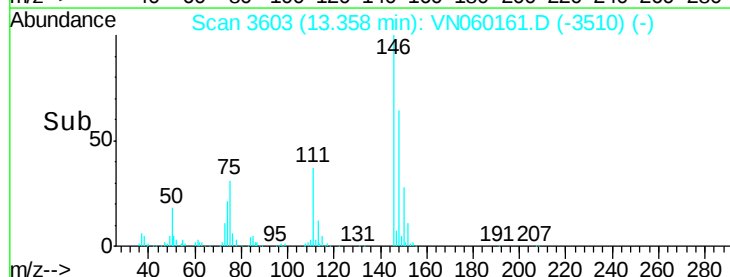
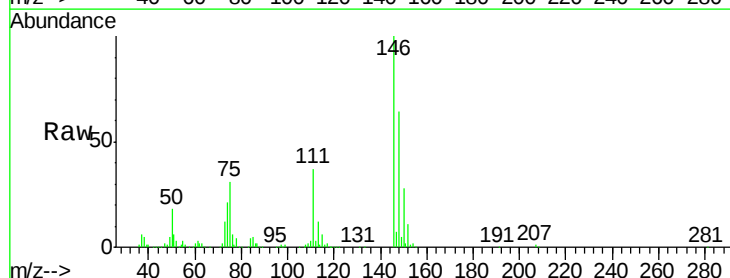
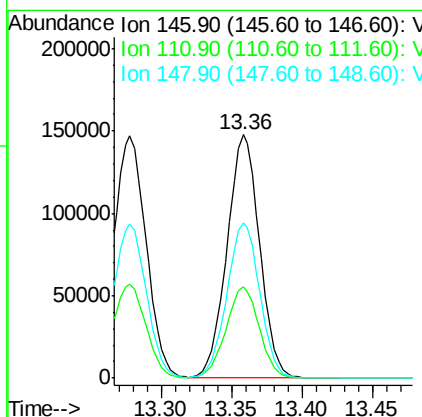
RT: 13.36 min Scan# 3603

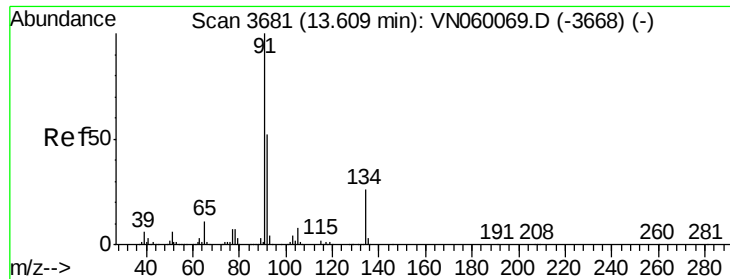
Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.5
148	64.3	32.0	96.0





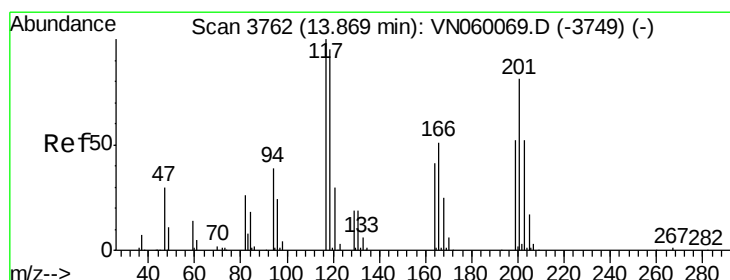
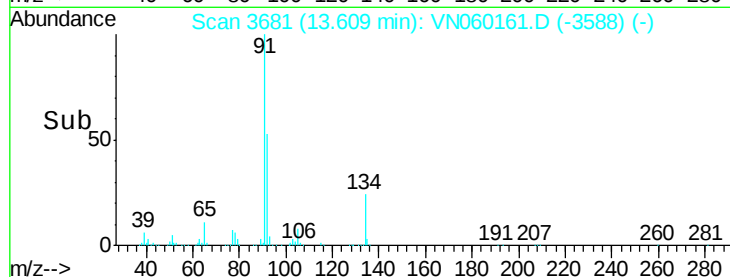
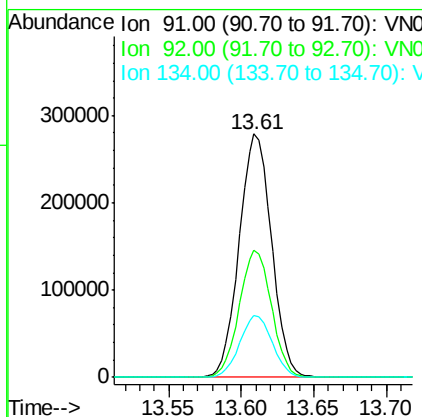
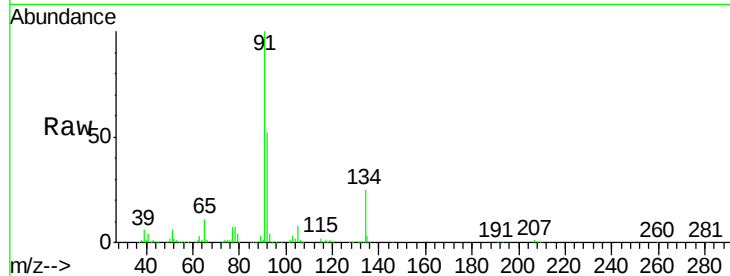
#89
n-Butylbenzene
Concen: 52.944 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.2
134	25.4	13.1	39.3

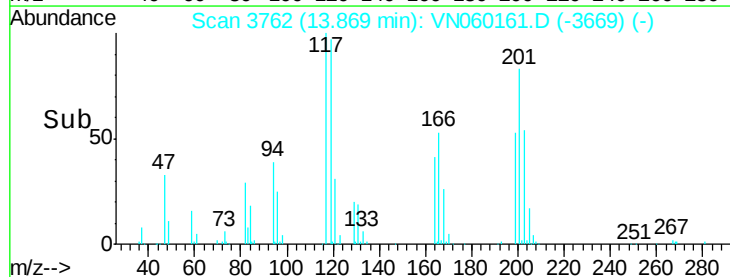
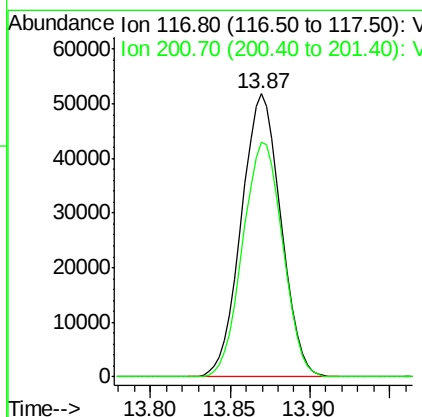
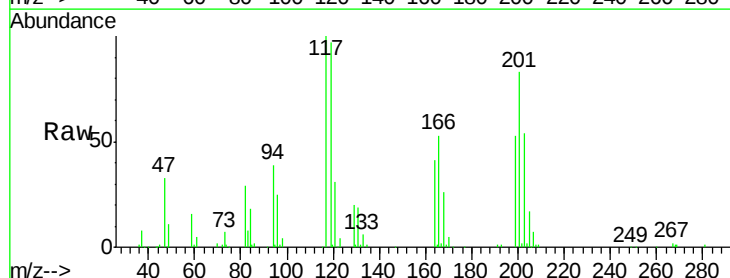
Manual Integrations
APPROVED

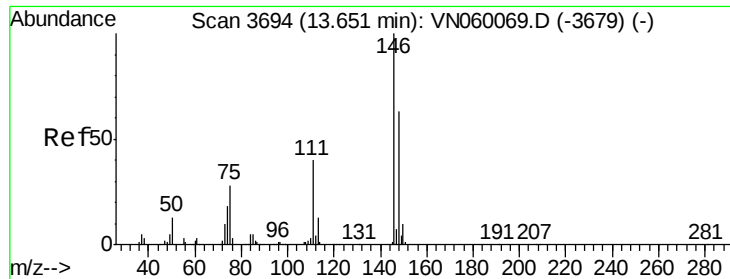
MMDadoda
2/21/2020 9:14:30 AM



#90
Hexachloroethane
Concen: 50.395 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	41.7	125.1





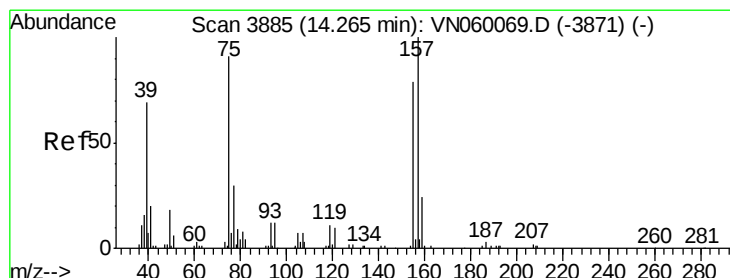
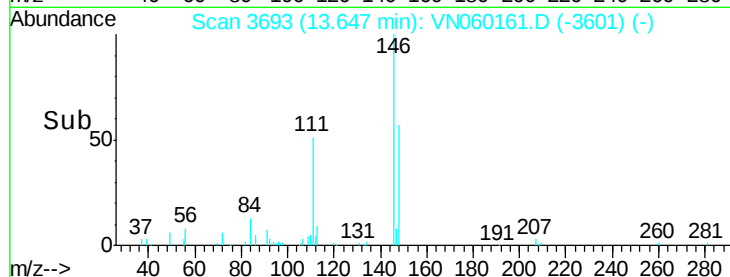
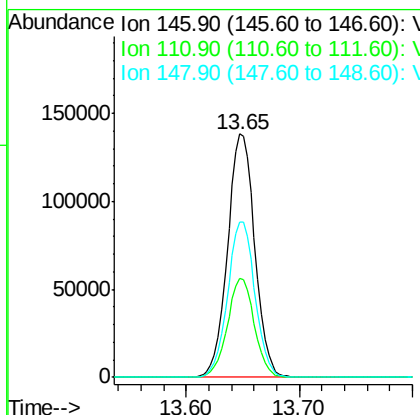
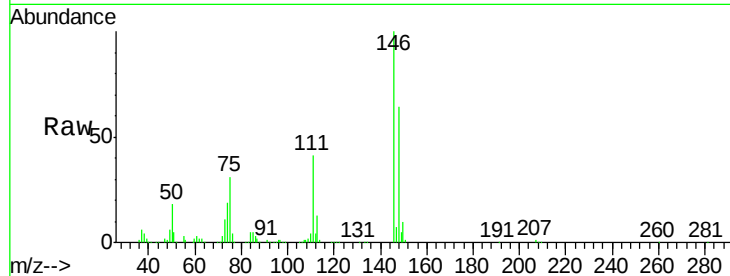
#91
 1,2-Dichlorobenzene
 Concen: 50.890 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	230816		
111	40.0		20.1	60.2
148	64.2		31.9	95.5

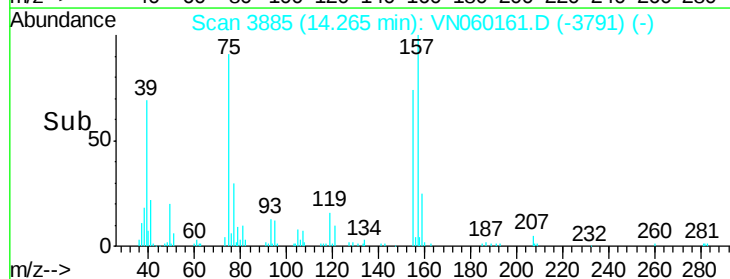
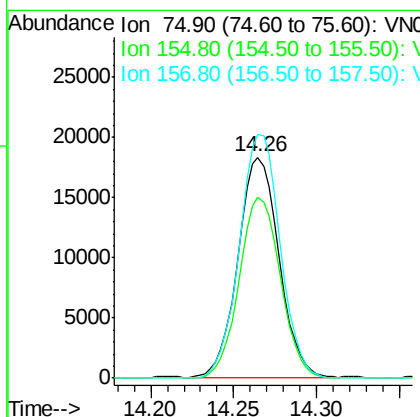
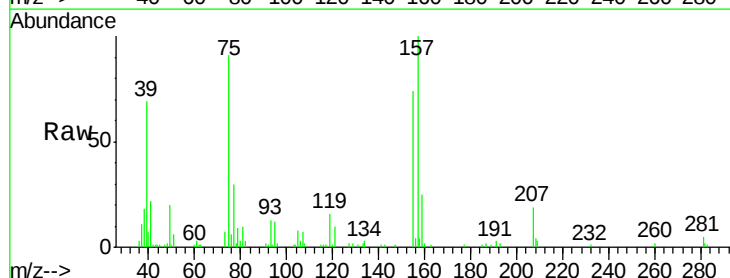
Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 9:14:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.357 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31875		
155	81.3		43.0	129.0
157	108.7		54.9	164.5





#93

1,2,4-Trichlorobenzene

Concen: 53.408 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

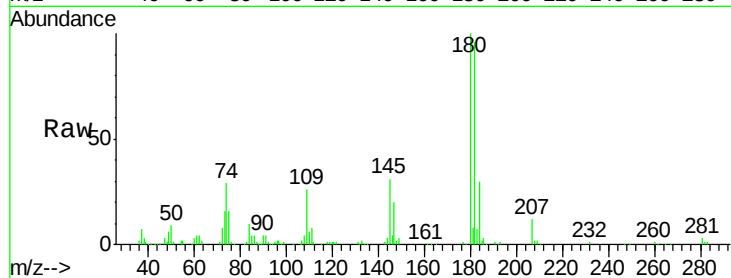
ClientSampleId :

VSTDCCC050

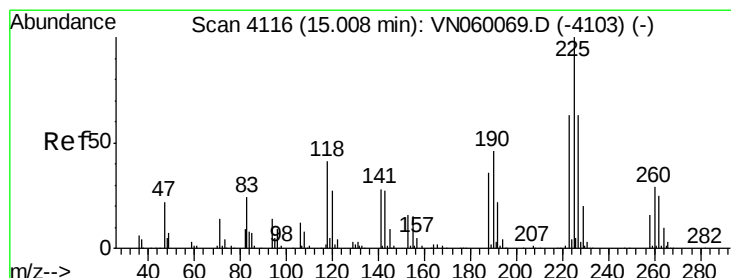
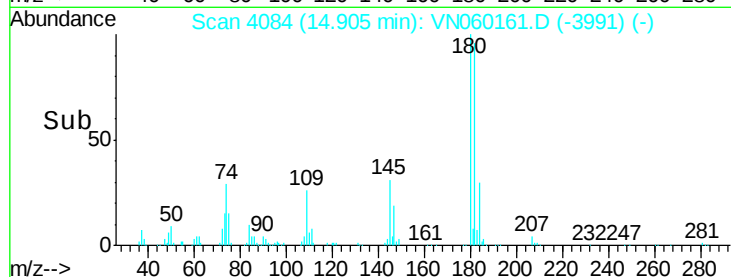
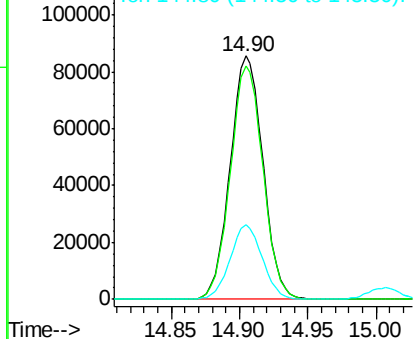
Tot Ion:	180	Resp:	142330
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.8
145	30.2	15.2	45.5

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 50.318 ug/l

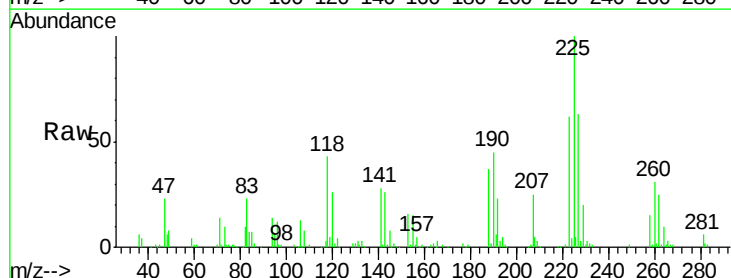
RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

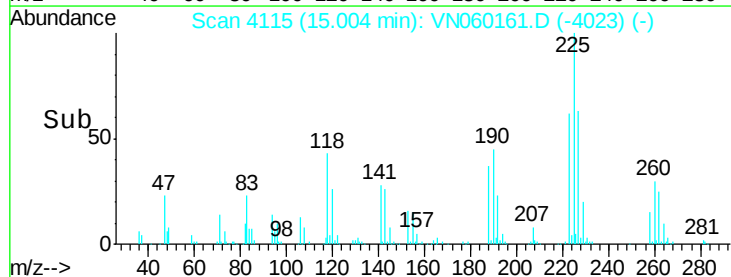
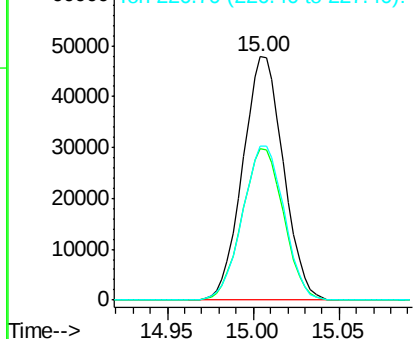
Lab File: VN060161.D

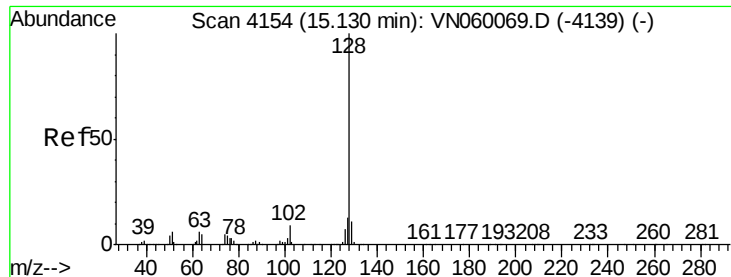
Acq: 20 Feb 2020 9:54

Tgt Ion:	225	Resp:	78503
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.5	94.5
227	64.7	31.8	95.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





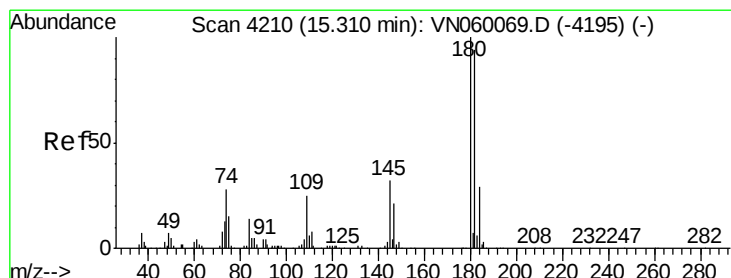
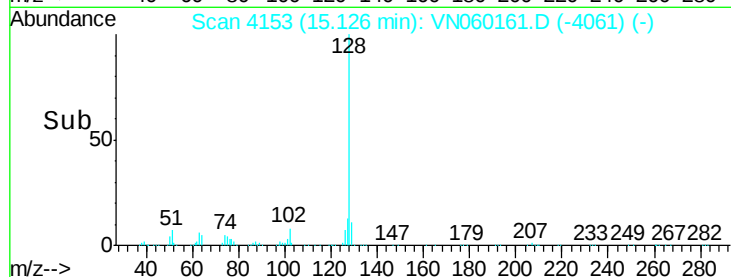
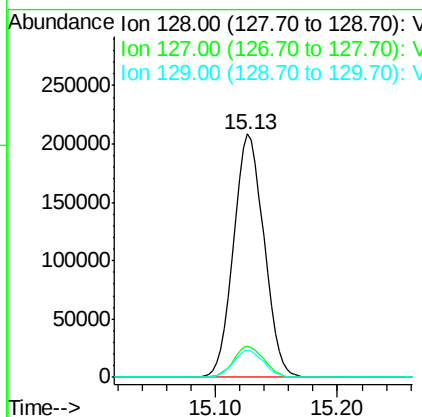
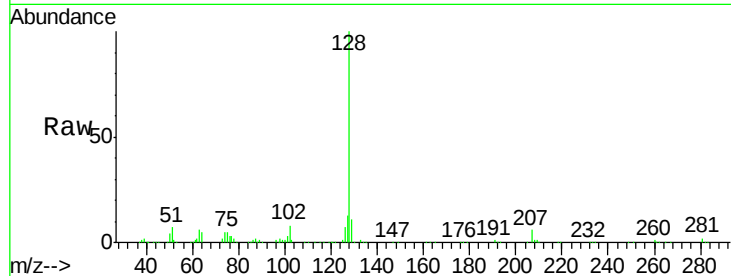
#95
Naphthalene
Concen: 50.228 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	361585		
127	13.0		10.3	15.5
129	11.0		8.6	13.0

Manual Integrations
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MMDadoda
2/21/2020 9:14:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.490 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	136650		
182	94.2		47.5	142.5
145	31.9		16.1	48.3

