

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060082.D
 Acq On : 13 Feb 2020 9:48
 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
 2/14/2020 10:27:38 AM

Quant Time: Feb 14 05:19:51 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	216320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	336675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164224	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	125096	47.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.04%	
35) Dibromofluoromethane	7.56	113	100576	48.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.20%	
50) Toluene-d8	10.08	98	396962	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	149082	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	106115	49.076	ug/l	100
3) Chloromethane	2.04	50	119311	46.368	ug/l	98
4) Vinyl Chloride	2.17	62	136734	46.620	ug/l	99
5) Bromomethane	2.54	94	83479	46.418	ug/l	99
6) Chloroethane	2.68	64	68336	46.065	ug/l	98
7) Trichlorofluoromethane	3.00	101	174946	46.264	ug/l	99
8) Diethyl Ether	3.38	74	61372	48.756	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	101351	48.275	ug/l	99
10) Methyl Iodide	3.93	142	126773	45.183	ug/l	99
11) Tert butyl alcohol	4.73	59	95389	242.164	ug/l	100
12) 1,1-Dichloroethene	3.72	96	99487	48.644	ug/l	98
13) Acrolein	3.57	56	59135	151.882	ug/l	98
14) Allyl chloride	4.29	41	138614	46.047	ug/l	98
15) Acrylonitrile	4.94	53	239496	248.966	ug/l	99
16) Acetone	3.78	43	289941	252.524	ug/l	100
17) Carbon Disulfide	4.03	76	291733	47.324	ug/l	100
18) Methyl Acetate	4.28	43	104065	48.249	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	326554	47.478	ug/l	99
20) Methylene Chloride	4.52	84	107408	46.889	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	107720	48.317	ug/l	97
22) Diisopropyl ether	5.91	45	318108	48.218	ug/l	96
23) Vinyl Acetate	5.86	43	1369666	247.224	ug/l	100
24) 1,1-Dichloroethane	5.82	63	190327	47.623	ug/l	99
25) 2-Butanone	6.80	43	376919	261.019	ug/l	98
26) 2,2-Dichloropropane	6.79	77	182684	48.126	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	123335	47.270	ug/l	99
28) Bromochloromethane	7.17	49	76803	48.882	ug/l #	100
29) Tetrahydrofuran	7.18	42	213728	241.260	ug/l	99
30) Chloroform	7.35	83	198982	47.530	ug/l	100
31) Cyclohexane	7.63	56	173421	46.582	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	183533	47.973	ug/l	100
36) 1,1-Dichloropropene	7.77	75	152075	48.767	ug/l	99
37) Ethyl Acetate	6.89	43	138909	49.288	ug/l	100
38) Carbon Tetrachloride	7.75	117	163010	48.132	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	191739	49.532	ug/l	99
40) Benzene	8.02	78	442261	47.810	ug/l	100
41) Methacrylonitrile	7.15	41	67584m	57.181	ug/l	
42) 1,2-Dichloroethane	8.10	62	158329	48.835	ug/l	100
43) Isopropyl Acetate	8.14	43	238769	49.561	ug/l	100
44) Trichloroethene	8.82	130	123669	48.282	ug/l	98
45) 1,2-Dichloropropane	9.10	63	114037	49.794	ug/l	98
46) Dibromomethane	9.19	93	79397	49.059	ug/l	98
47) Bromodichloromethane	9.38	83	162628	49.426	ug/l	98
48) Methyl methacrylate	9.18	41	107133	49.563	ug/l	100
49) 1,4-Dioxane	9.18	88	39958	1081.931	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	700779	251.303	ug/l	100
52) Toluene	10.14	92	291722	49.178	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	188255	50.688	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	195068	49.878	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	112594	48.653	ug/l	99
56) Ethyl methacrylate	10.42	69	171255	52.312	ug/l	100
57) 1,3-Dichloropropane	10.70	76	185264	48.516	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	323067	211.828	ug/l	100
59) 2-Hexanone	10.74	43	572357	265.706	ug/l	100
60) Dibromochloromethane	10.89	129	132007	49.708	ug/l	98
61) 1,2-Dibromoethane	10.99	107	120917	49.843	ug/l	100
64) Tetrachloroethene	10.62	164	111416	46.147	ug/l	99
65) Chlorobenzene	11.43	112	316370	48.893	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	120865	49.376	ug/l	100
67) Ethyl Benzene	11.50	91	576812	49.426	ug/l	100
68) m/p-Xylenes	11.62	106	438671	100.152	ug/l	99
69) o-Xylene	11.94	106	207741	49.259	ug/l	99
70) Styrene	11.96	104	348155	51.194	ug/l	100
71) Bromoform	12.12	173	100780	51.188	ug/l #	98
73) Isopropylbenzene	12.24	105	576849	47.038	ug/l	99
74) N-amyl acetate	12.06	43	222844	50.393	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	168507	47.738	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	150527m	47.909	ug/l	
77) Bromobenzene	12.52	156	143769	47.240	ug/l	100
78) n-propylbenzene	12.59	91	666221	47.682	ug/l	99
79) 2-Chlorotoluene	12.67	91	384484	46.818	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	483503	47.419	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	63723	49.659	ug/l	100
82) 4-Chlorotoluene	12.77	91	405247	48.097	ug/l	100
83) tert-Butylbenzene	12.99	119	417040	46.235	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	484640	48.150	ug/l	99
85) sec-Butylbenzene	13.17	105	567154	47.478	ug/l	100
86) p-Isopropyltoluene	13.28	119	525443	48.548	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	264588	49.114	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	261203	48.496	ug/l	99
89) n-Butylbenzene	13.61	91	479420	50.361	ug/l	100
90) Hexachloroethane	13.87	117	95751	47.355	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	251199	47.647	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35583	47.370	ug/l	98

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ClientSampleId :
VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	164202	53.007	ug/l	99
94) Hexachlorobutadiene	15.01	225	87262	48.118	ug/l	100
95) Naphthalene	15.13	128	424855	50.772	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	152616	49.472	ug/l	100

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

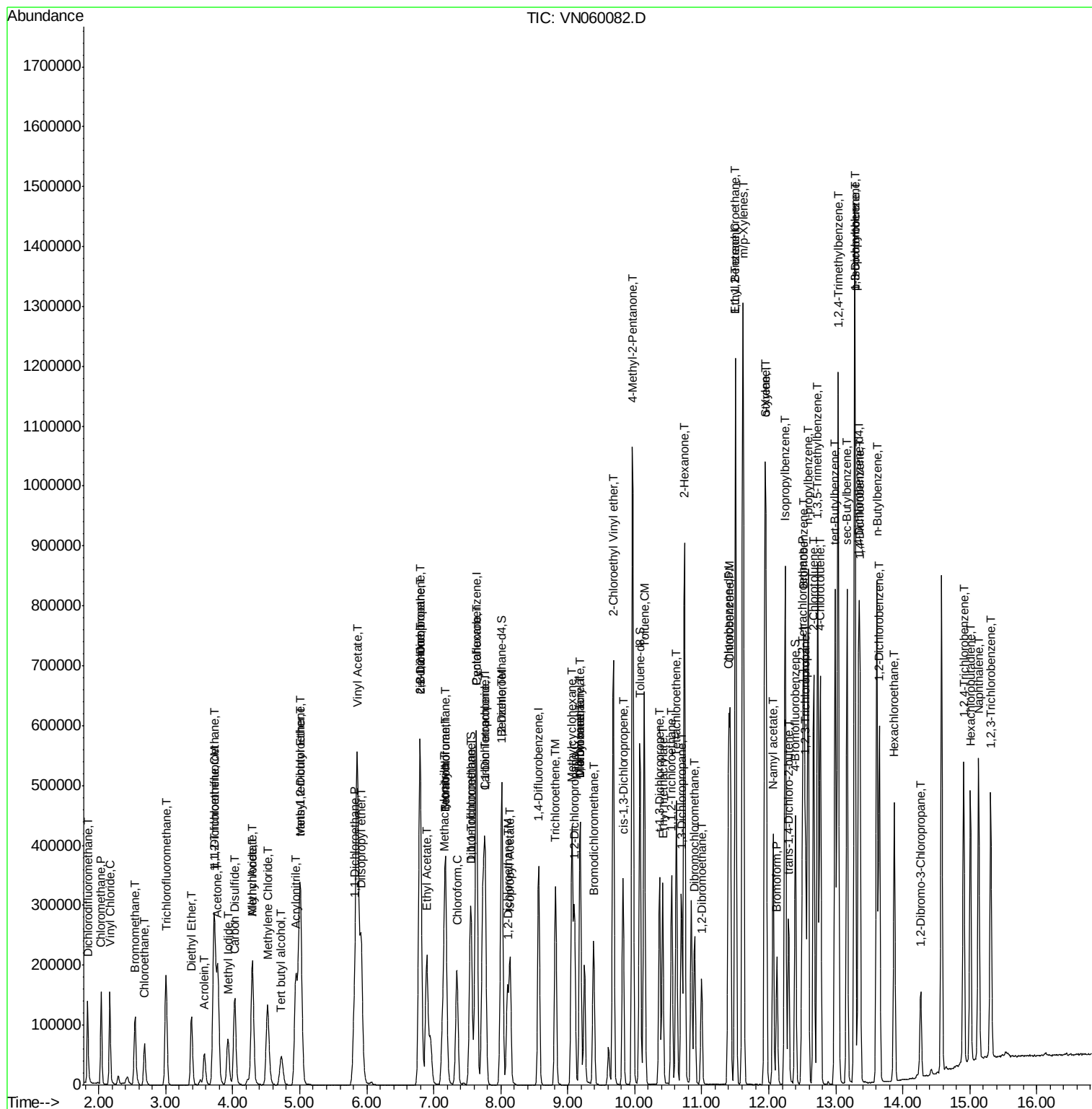
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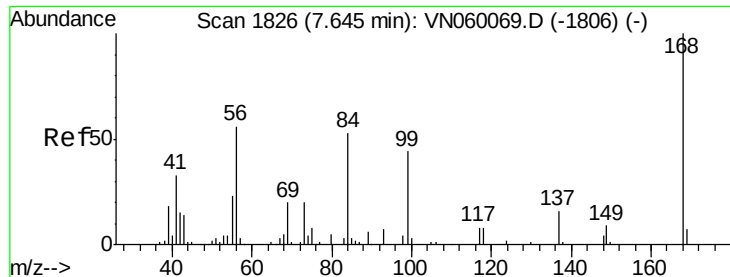
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 216320

Ion Ratio Lower Upper

168 100

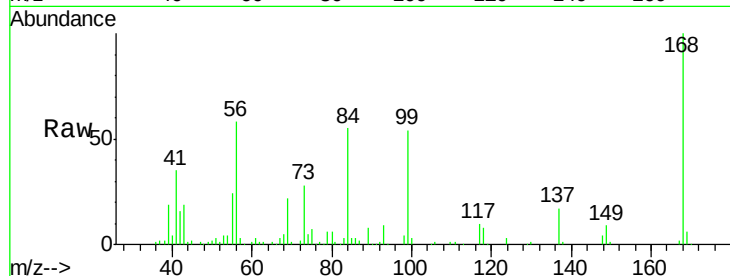
99 53.6 42.7 64.1

Manual Integrations

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2/14/2020 10:27:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

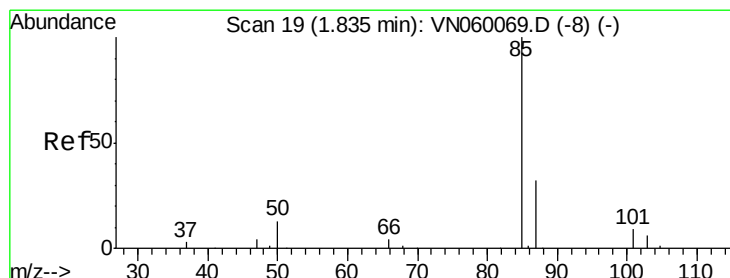
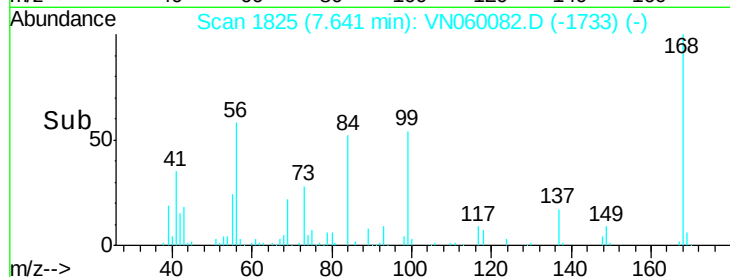
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.076 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060082.D

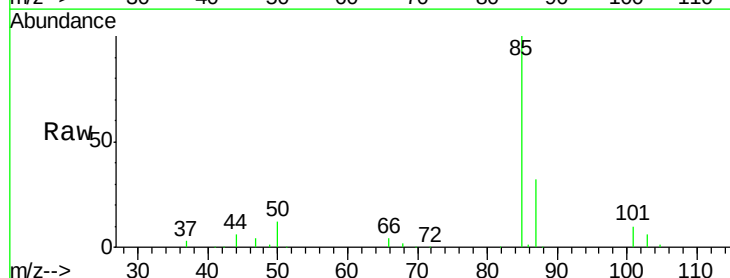
Acq: 13 Feb 2020 9:48

Tgt Ion: 85 Resp: 106115

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

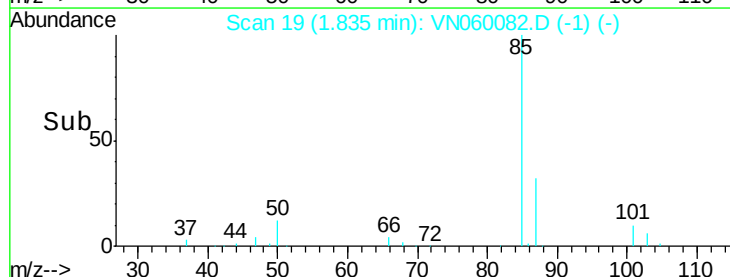
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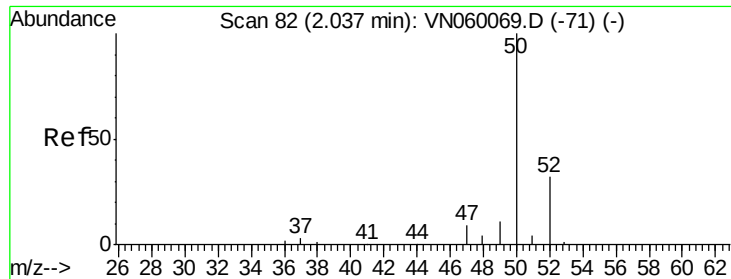
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0

1.75 1.80 1.85 1.90 1.95

Time-->





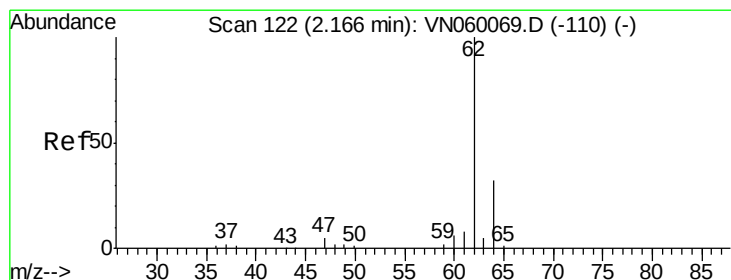
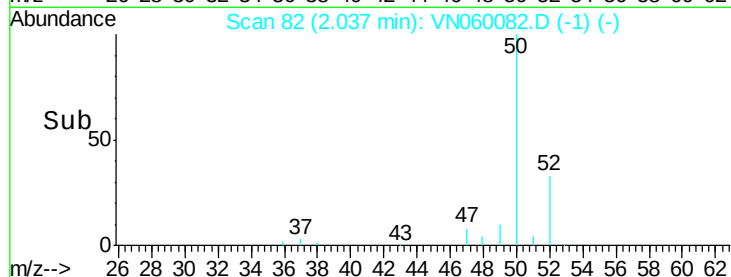
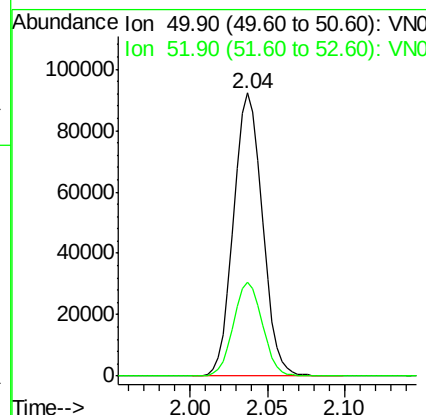
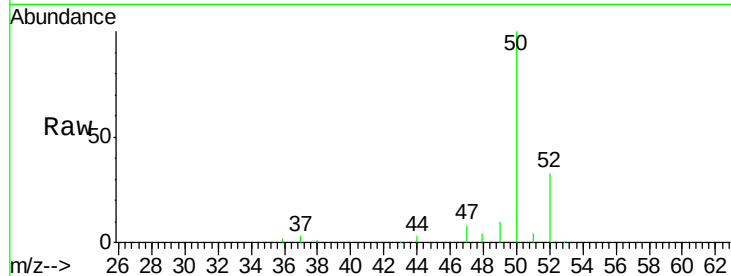
#3
Chloromethane
Concen: 46.368 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.6	38.4

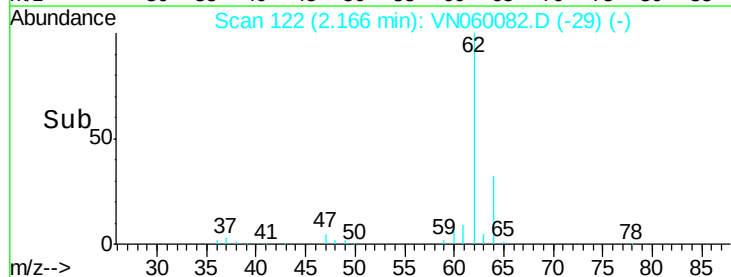
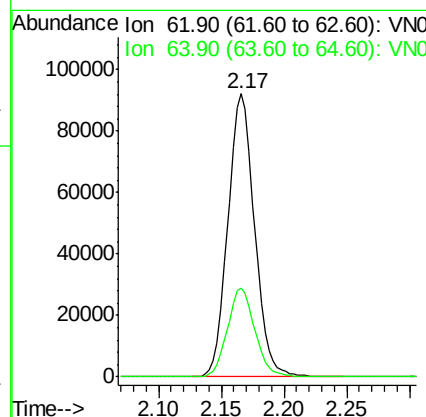
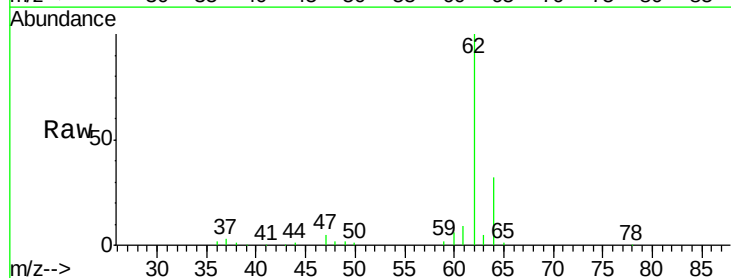
Manual Integrations
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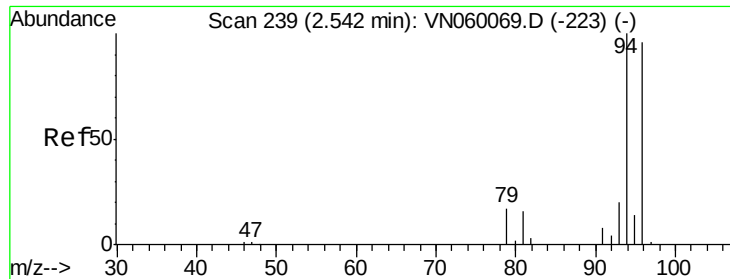
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2/14/2020 10:27:38 AM



#4
Vinyl Chloride
Concen: 46.620 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.9	38.9





#5

Bromomethane

Concen: 46.418 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 83479

Ion Ratio Lower Upper

94 100

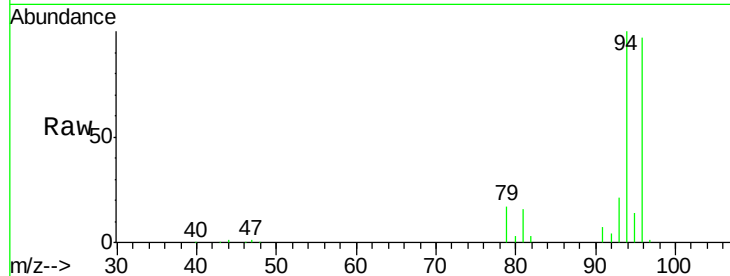
96 96.9 76.7 115.1

Manual Integrations

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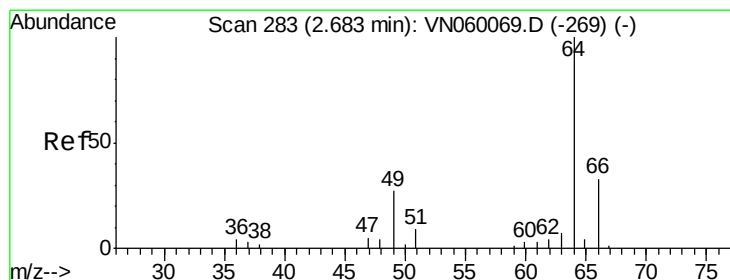
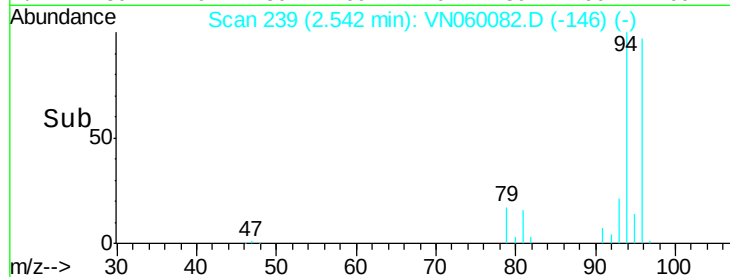
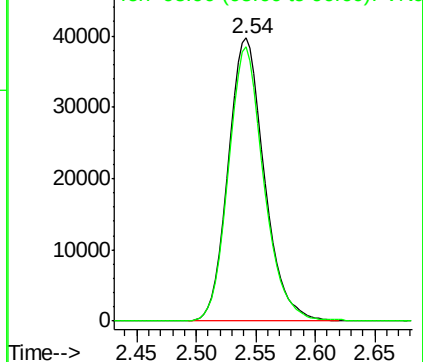
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.065 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060082.D

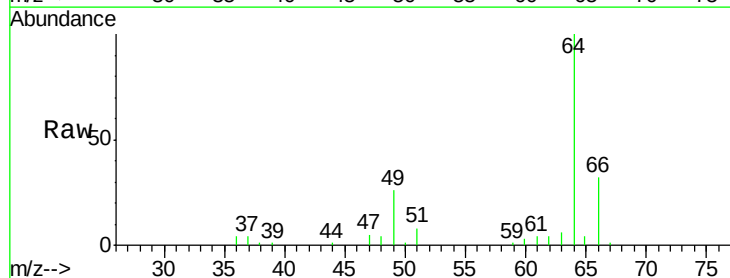
Acq: 13 Feb 2020 9:48

Tgt Ion: 64 Resp: 68336

Ion Ratio Lower Upper

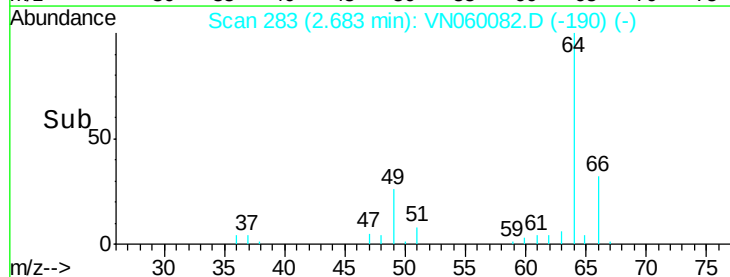
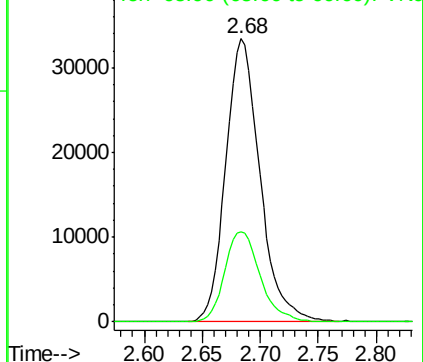
64 100

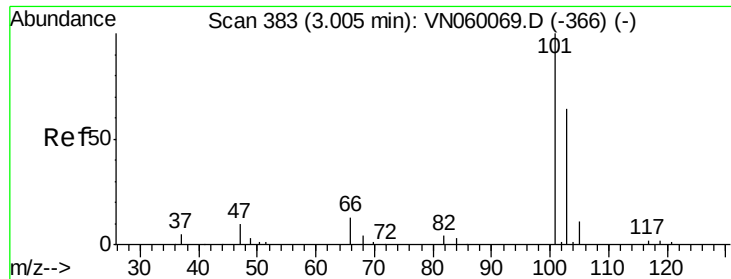
66 32.0 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

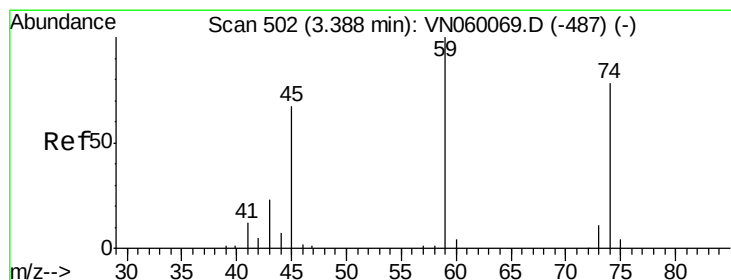
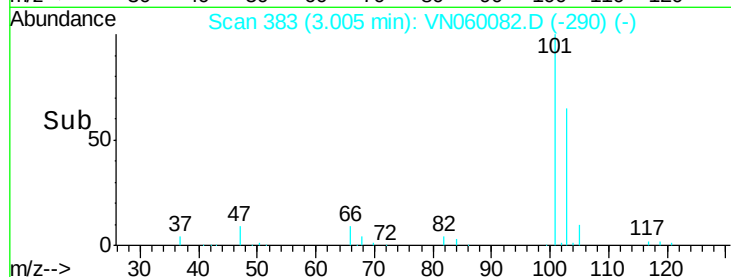
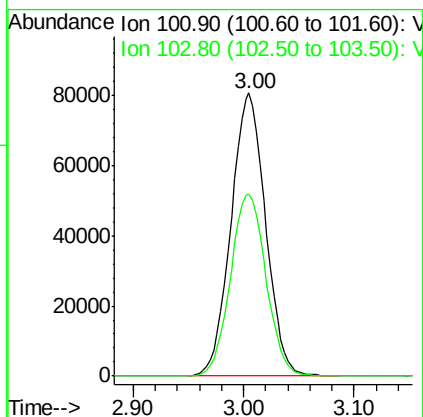
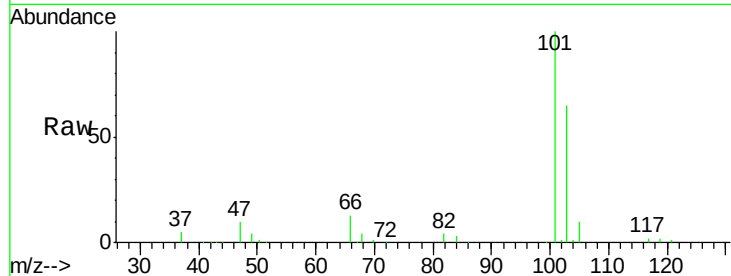
Trichlorofluoromethane
Concen: 46.264 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.0	76.6

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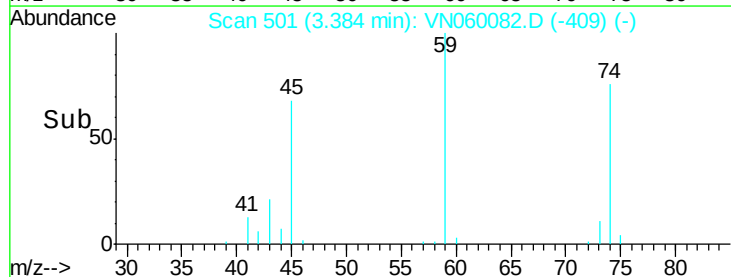
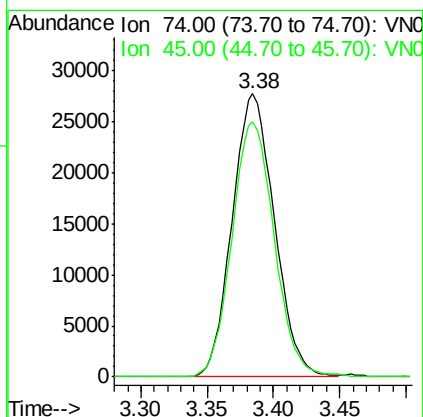
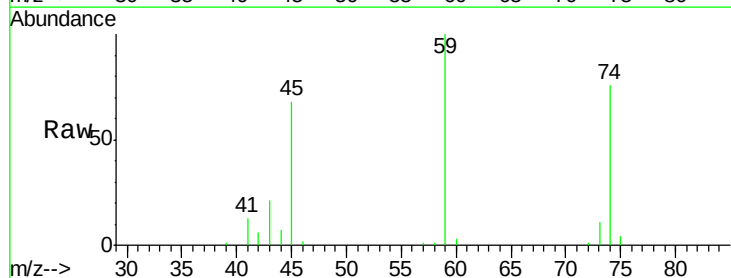
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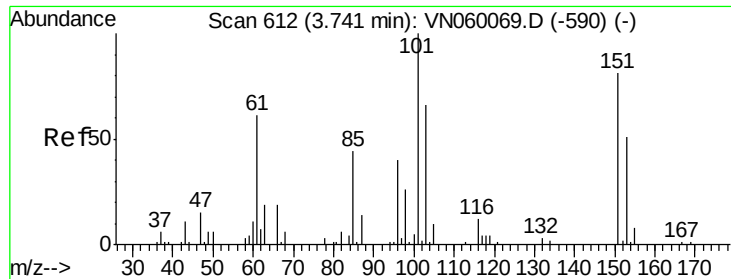


#8

Diethyl Ether
Concen: 48.756 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060082.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.4	44.7	134.1





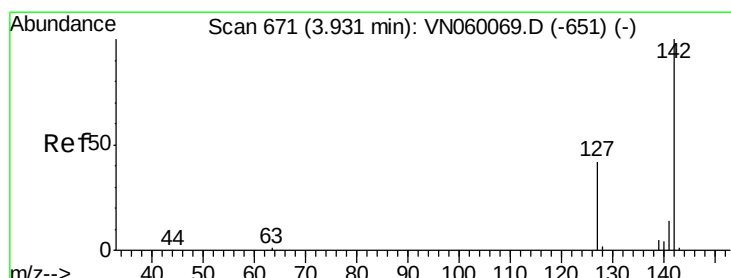
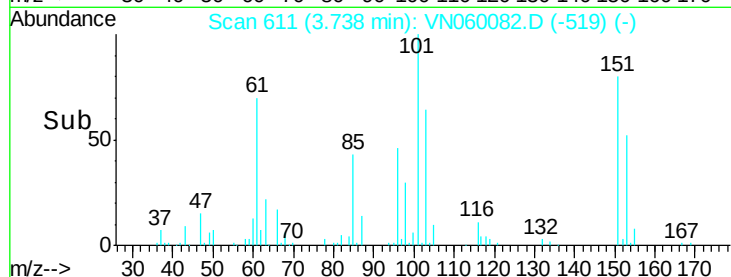
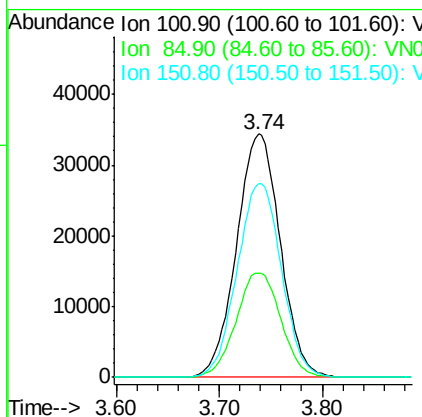
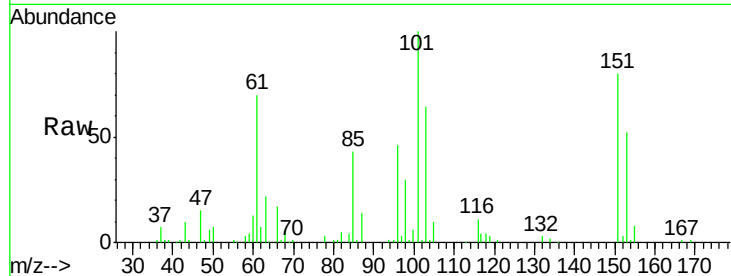
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.275 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	101351		
85	43.8	35.1	52.7	
151	80.8	65.8	98.6	

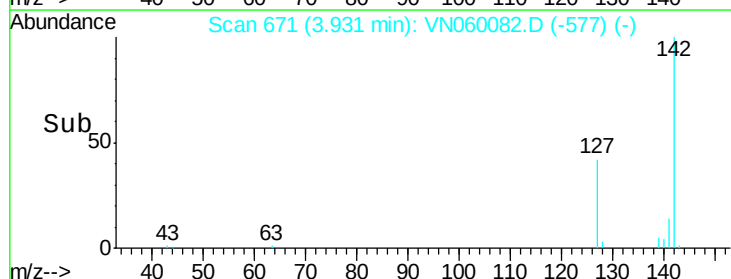
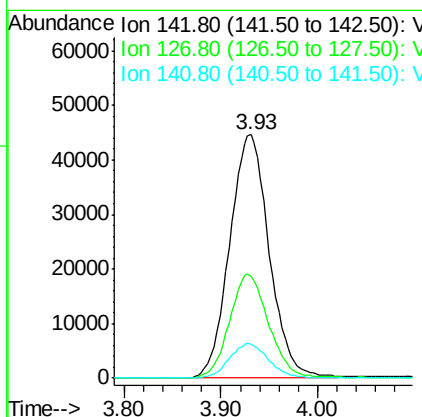
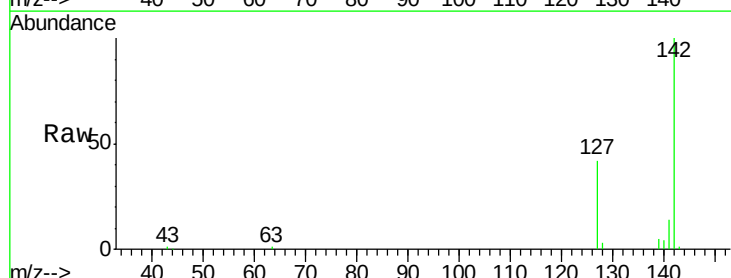
Manual Integrations
 APPROVED

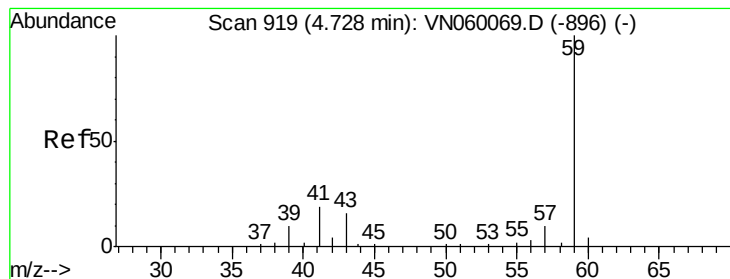
MMDadoda
 2/14/2020 10:27:38 AM



#10
 Methyl Iodide
 Concen: 45.183 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	126773		
127	42.3	33.6	50.4	
141	14.0	11.4	17.2	





#11

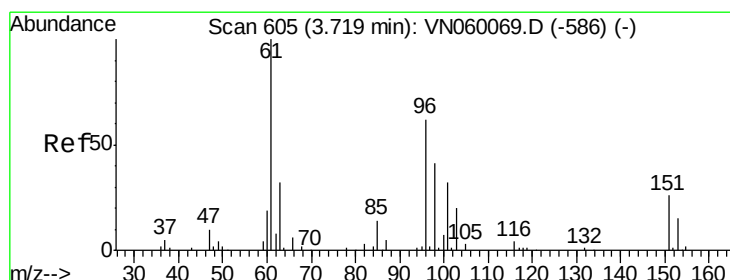
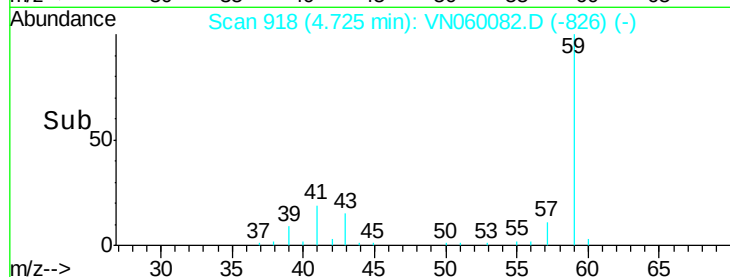
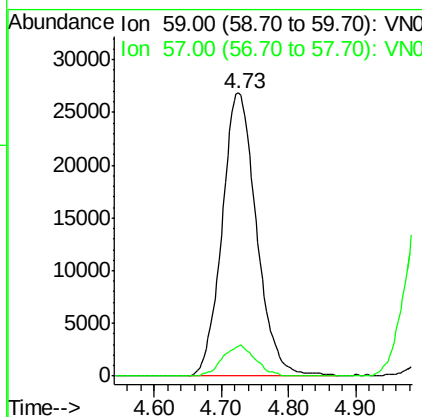
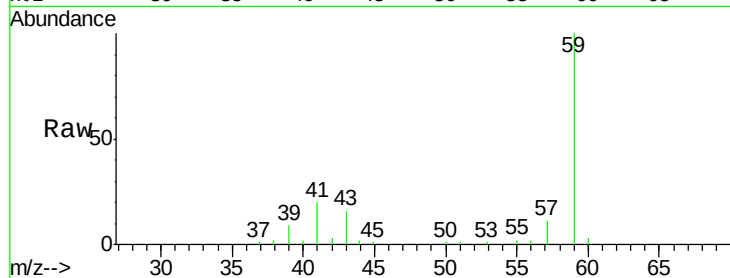
Tert butyl alcohol
 Concen: 242.164 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	95389		
57	10.4		8.2	12.4

Manual Integrations
 APPROVED

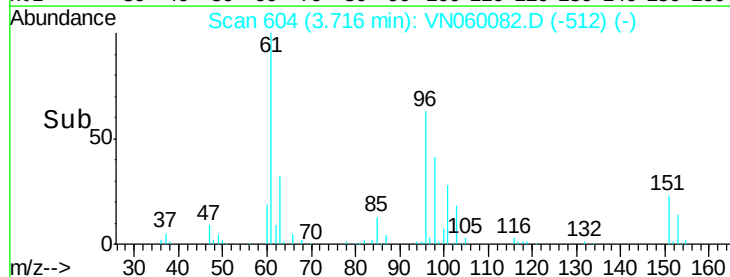
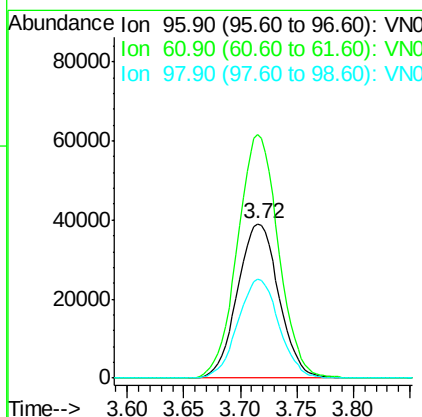
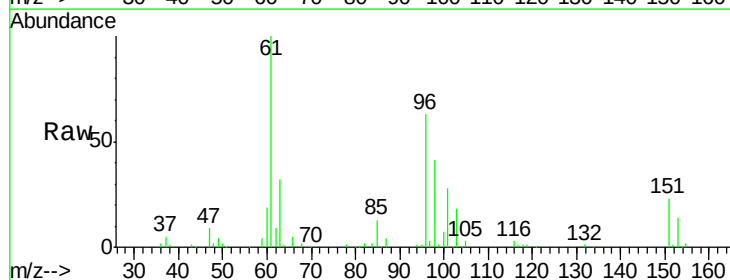
MMDadoda
 2/14/2020 10:27:38 AM

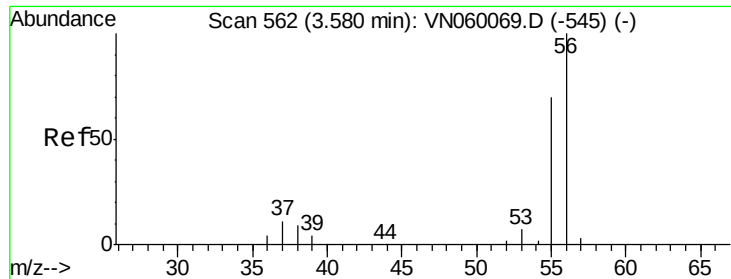


#12

1,1-Dichloroethene
 Concen: 48.644 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	99487		
61	157.5		128.3	192.5
98	64.1		52.2	78.4





#13

Acrolein

Concen: 151.882 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 59135

Ion Ratio Lower Upper

56 100

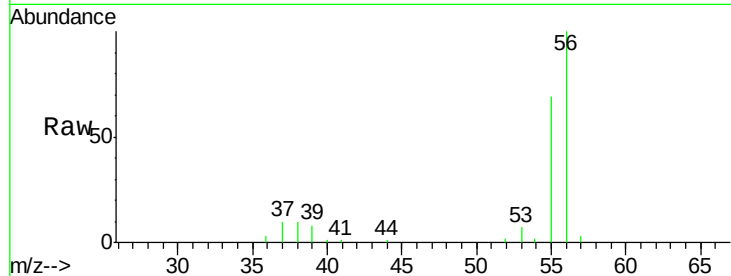
55 70.2 54.8 82.2

Manual Integrations

APPROVED

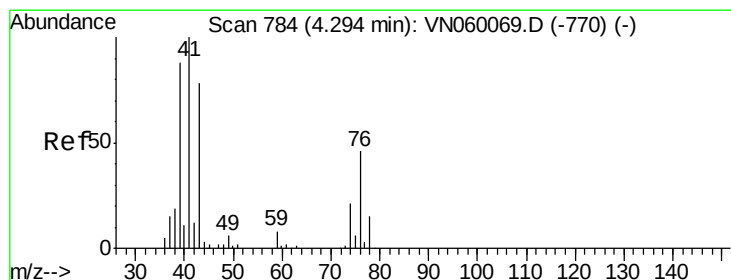
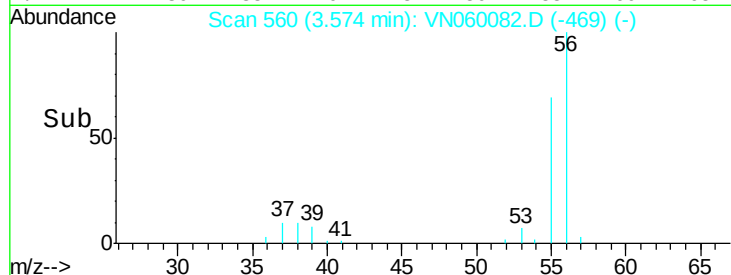
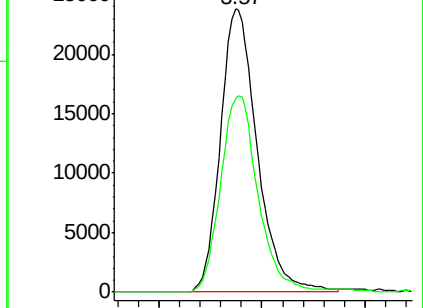
MMDadoda

2/14/2020 10:27:38 AM



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D

Ion 55.00 (54.70 to 55.70): VN060069.D



#14

Allyl chloride

Concen: 46.047 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

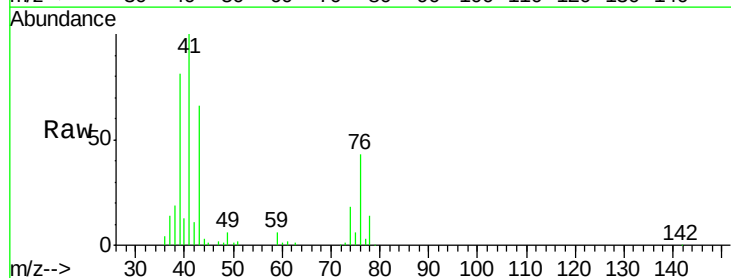
Tgt Ion: 41 Resp: 138614

Ion Ratio Lower Upper

41 100

39 82.1 67.8 101.8

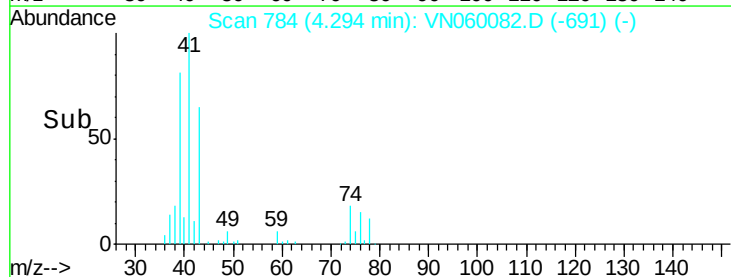
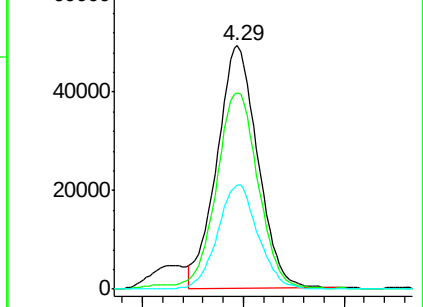
76 42.7 33.9 50.9

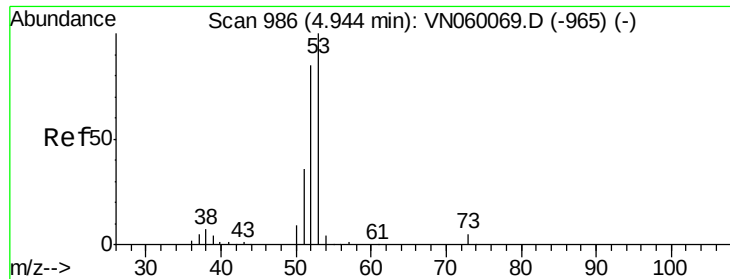


Abundance Ion 41.00 (40.70 to 41.70): VN060069.D

Ion 39.00 (38.70 to 39.70): VN060069.D

Ion 75.90 (75.60 to 76.60): VN060069.D





#15

Acrylonitrile

Concen: 248.966 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

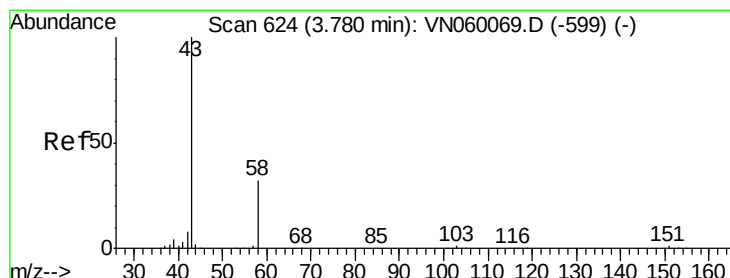
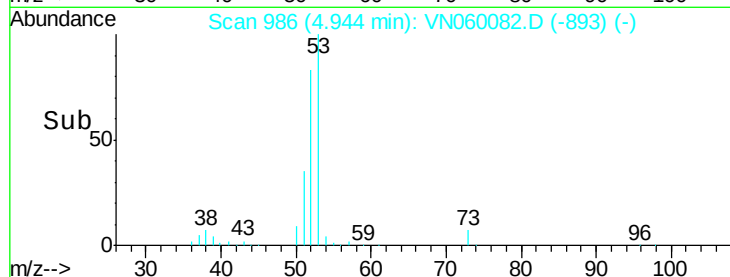
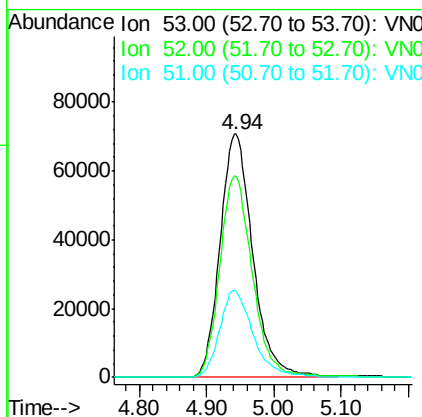
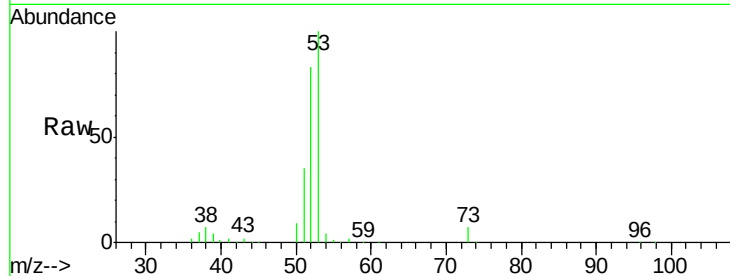
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	239496
Ion Ratio		Lower	Upper
53	100		
52	82.3	66.8	100.2
51	36.7	29.4	44.0

Manual Integrations
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MMDadoda
2/14/2020 10:27:38 AM



#16

Acetone

Concen: 252.524 ug/l

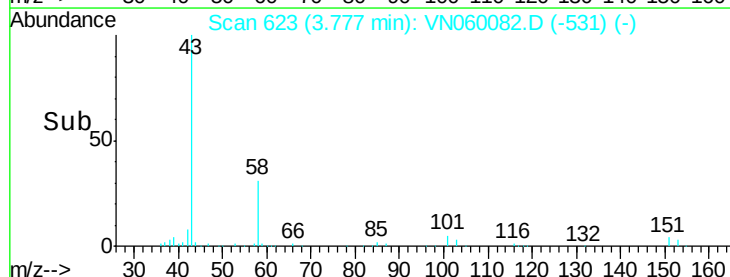
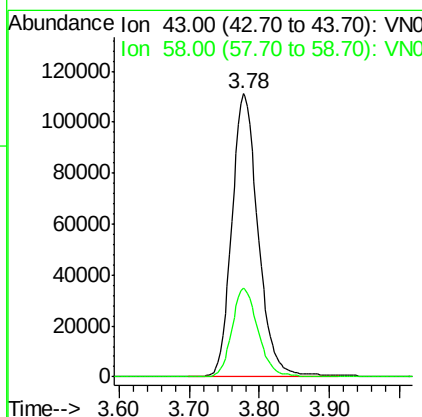
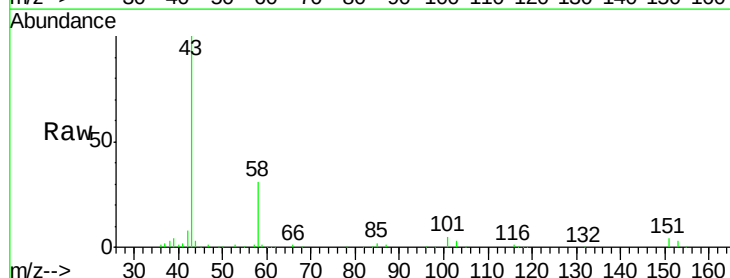
RT: 3.78 min Scan# 623

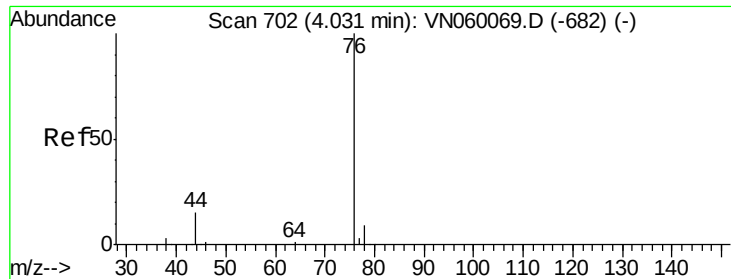
Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Tgt Ion:	43	Resp:	289941
Ion Ratio		Lower	Upper
43	100		
58	31.3	25.2	37.8





#17

Carbon Disulfide

Concen: 47.324 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 291733

Ion Ratio Lower Upper

76 100

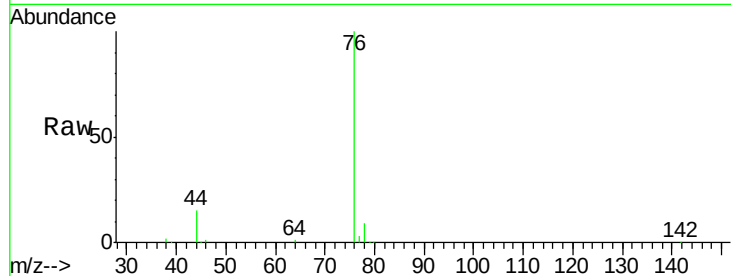
78 8.7 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

2/14/2020 10:27:38 AM



Abundance Ion 75.90 (75.60 to 76.60): VN060069.D (-682) (-)

Ion 77.90 (77.60 to 78.60): VN060082.D (-609) (-)

4.03

120000

100000

80000

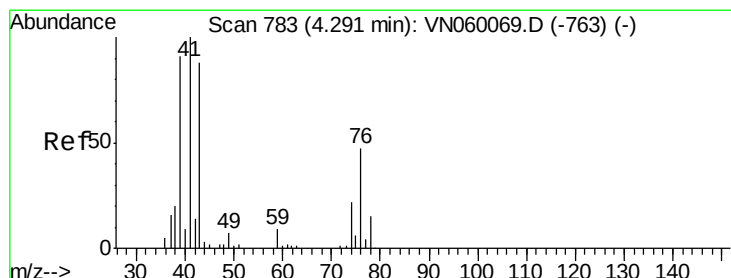
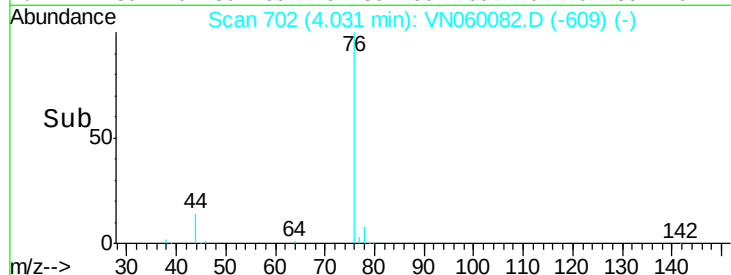
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 48.249 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.01 min

Lab File: VN060082.D

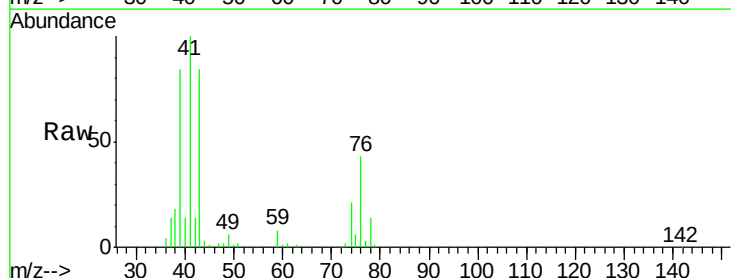
Acq: 13 Feb 2020 9:48

Tgt Ion: 43 Resp: 104065

Ion Ratio Lower Upper

43 100

74 25.8 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-763) (-)

Ion 74.00 (73.70 to 74.70): VN060082.D (-690) (-)

4.28

40000

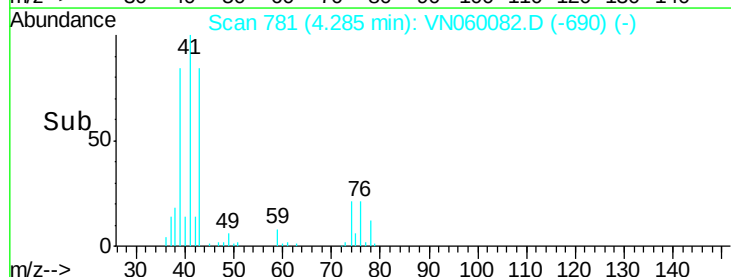
30000

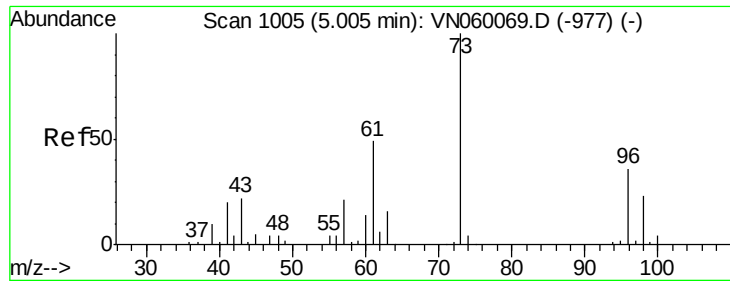
20000

10000

0

Time-->





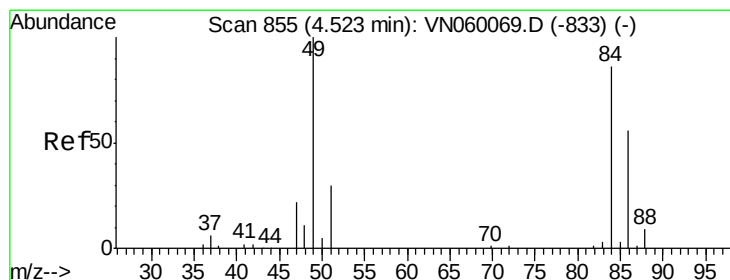
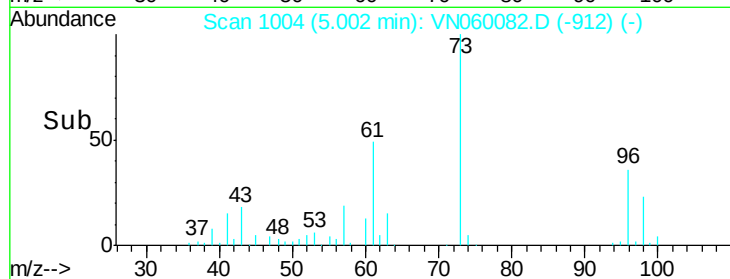
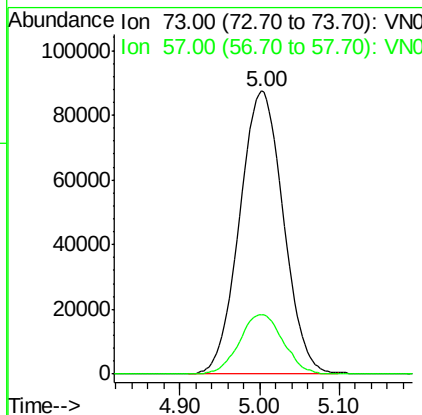
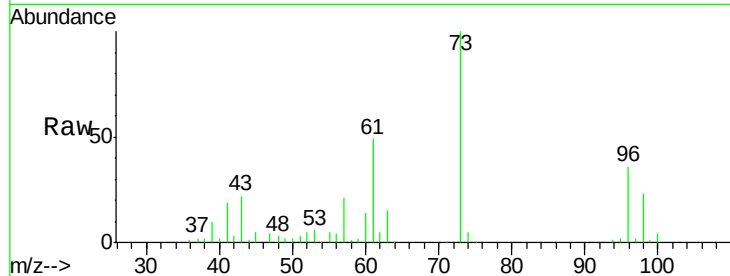
#19
Methyl tert-butyl Ether
Concen: 47.478 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 32654
Ion Ratio Lower Upper
73 100
57 21.1 17.2 25.8

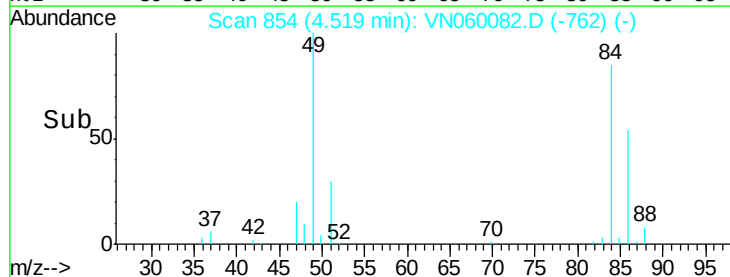
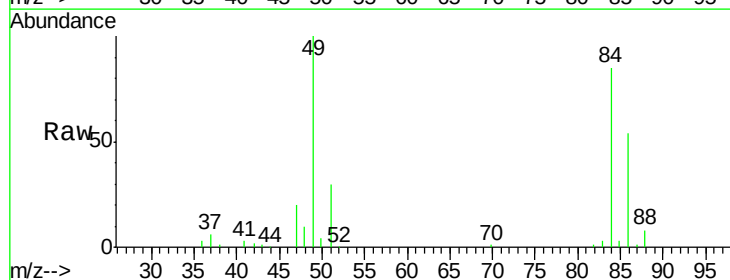
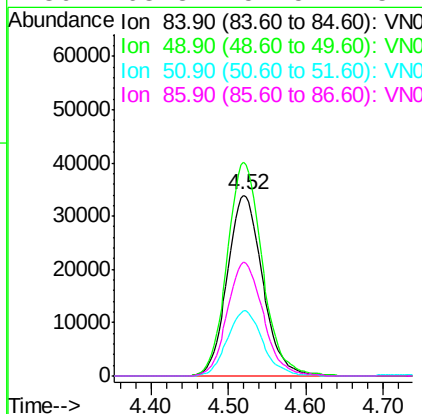
Manual Integrations
APPROVED

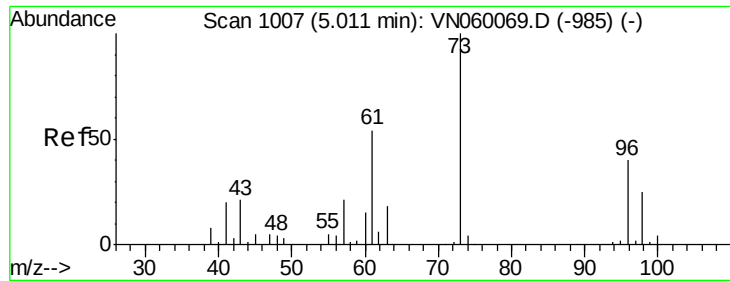
MMDadoda
2/14/2020 10:27:38 AM



#20
Methylene Chloride
Concen: 46.889 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 84 Resp: 107408
Ion Ratio Lower Upper
84 100
49 118.2 93.4 140.0
51 36.0 28.4 42.6
86 63.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.317 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 107720

Ion Ratio Lower Upper

96 100

61 133.9 109.3 163.9

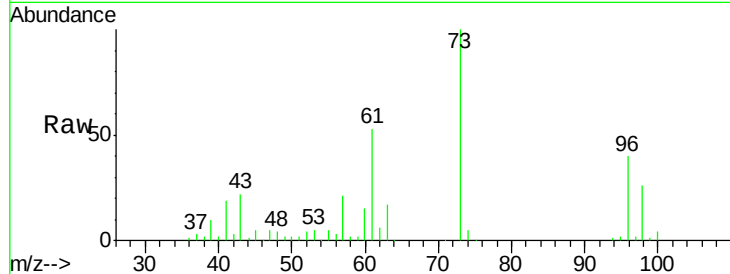
98 66.4 51.0 76.6

Manual Integrations

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MMDadoda

2/14/2020 10:27:38 AM

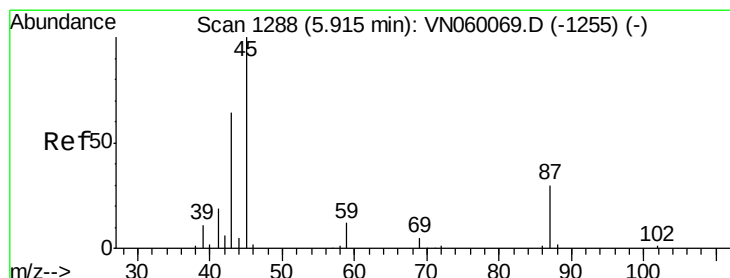
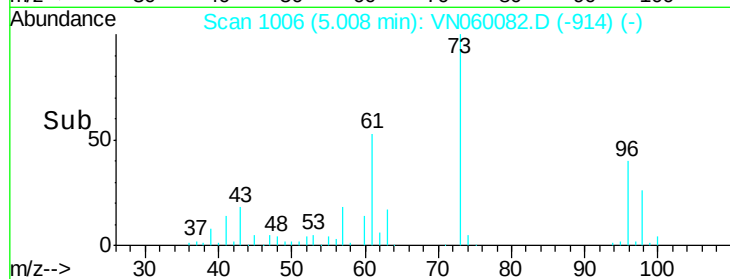
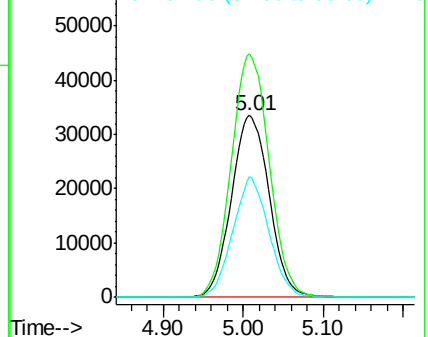


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 48.218 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Tgt Ion: 45 Resp: 318108

Ion Ratio Lower Upper

45 100

43 64.6 55.9 83.9

87 30.0 24.5 36.7

59 11.9 9.9 14.9

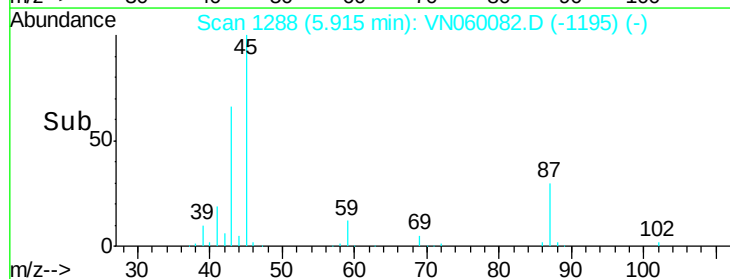
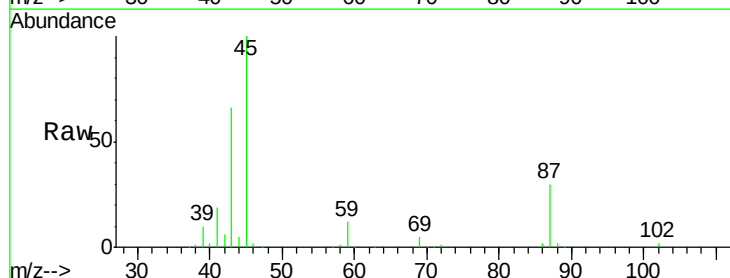
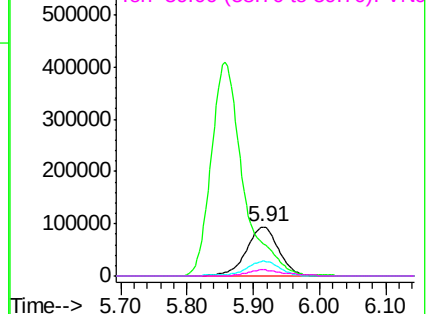
Abundance

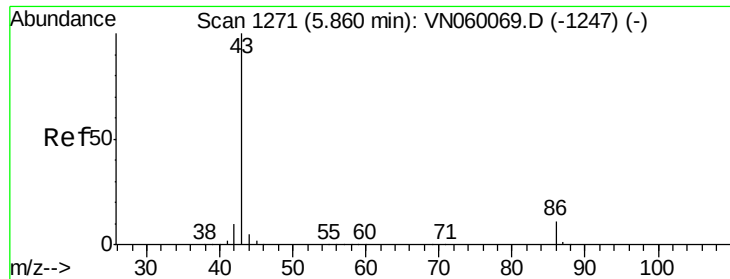
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 247.224 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1369666

Ion Ratio Lower Upper

43 100

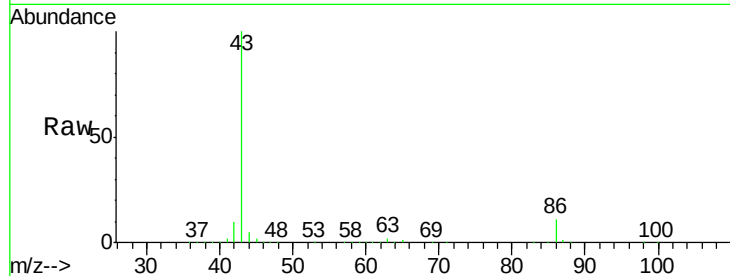
86 10.9 8.9 13.3

Manual Integrations

APPROVED

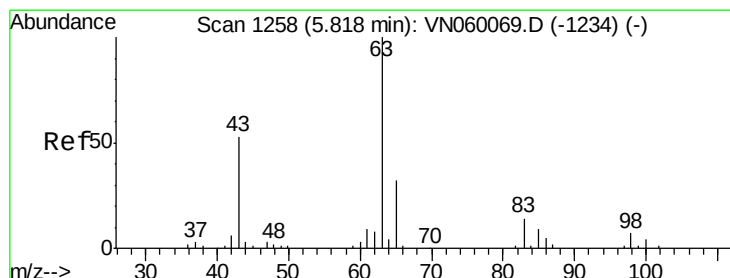
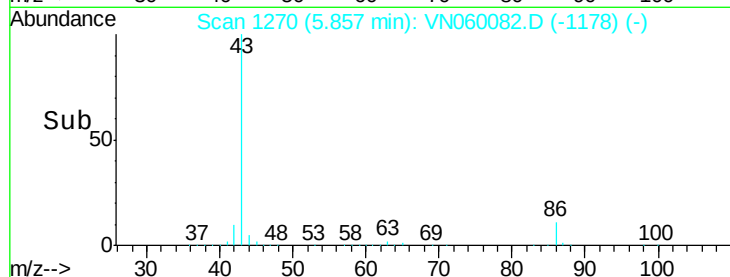
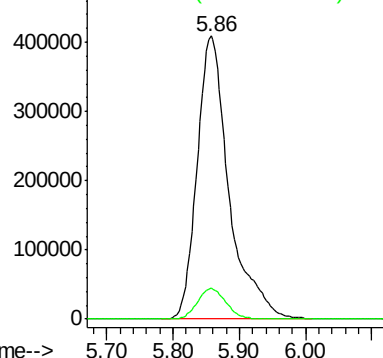
MMDadoda

2/14/2020 10:27:38 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: 47.623 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

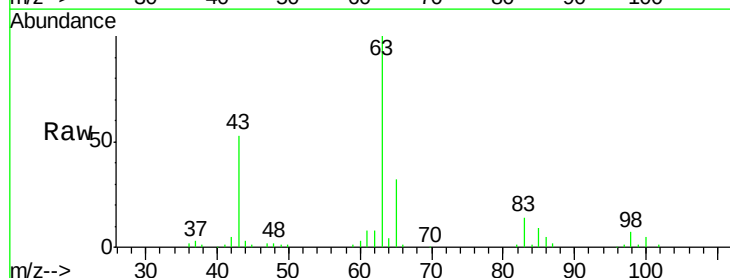
Tgt Ion: 63 Resp: 190327

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

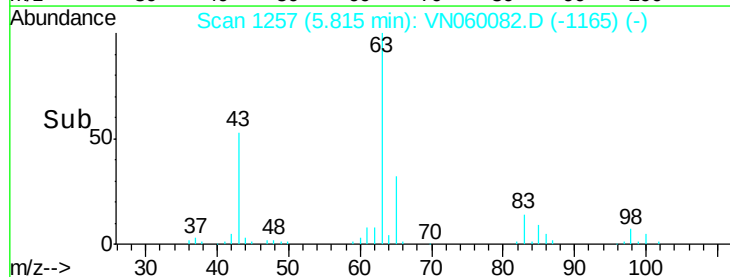
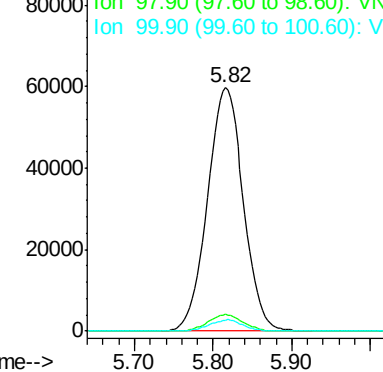
100 4.6 2.2 6.6

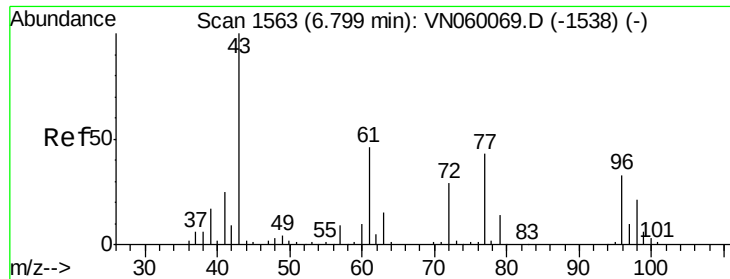


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 261.019 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 376919

Ion Ratio Lower Upper

43 100

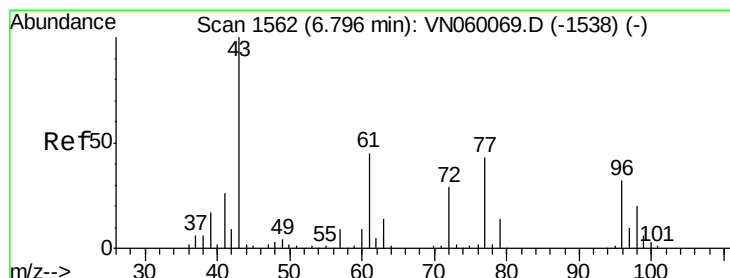
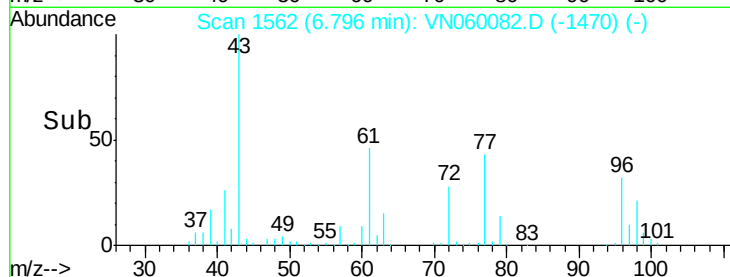
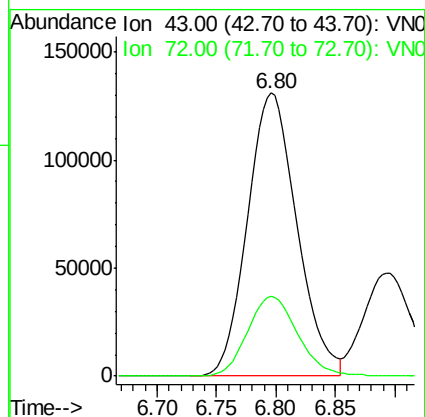
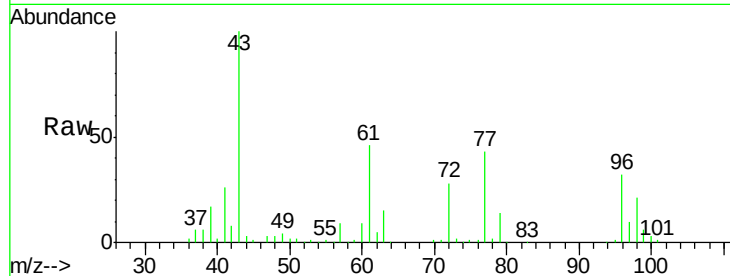
72 28.3 23.3 34.9

Manual Integrations

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MMDadoda

2/14/2020 10:27:38 AM



#26

2,2-Dichloropropane

Concen: 48.126 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060082.D

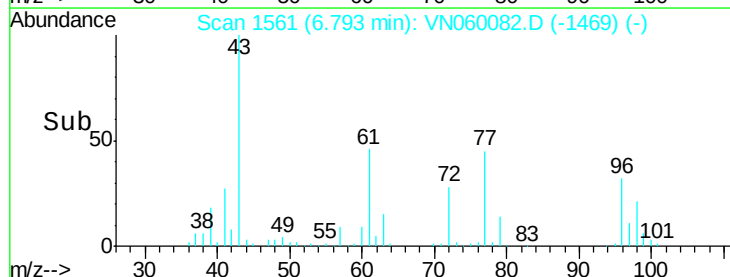
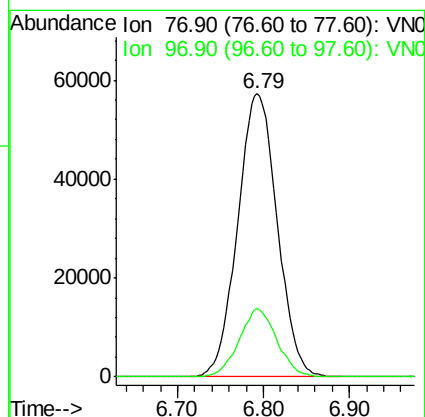
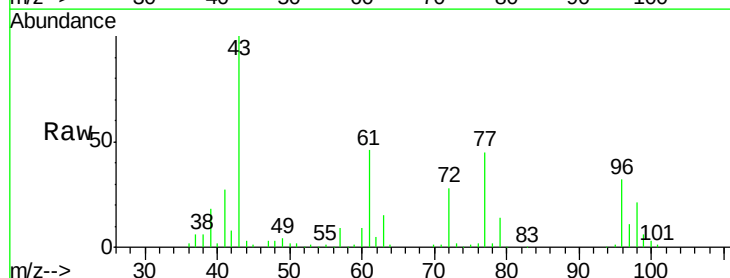
Acq: 13 Feb 2020 9:48

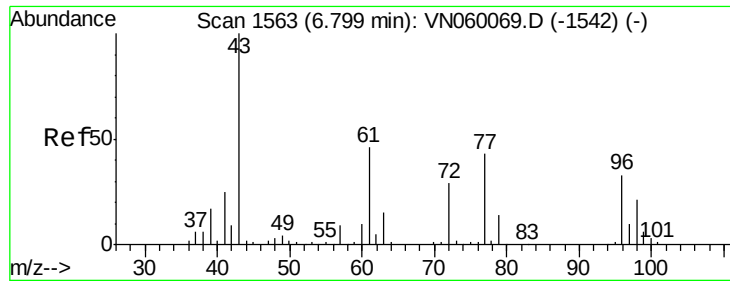
Tgt Ion: 77 Resp: 182684

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 47.270 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

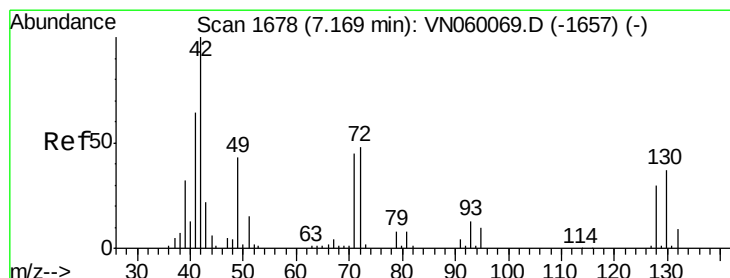
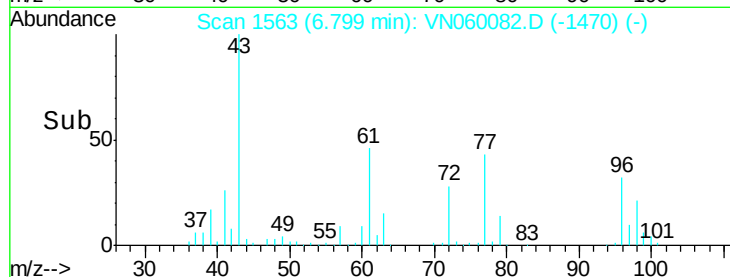
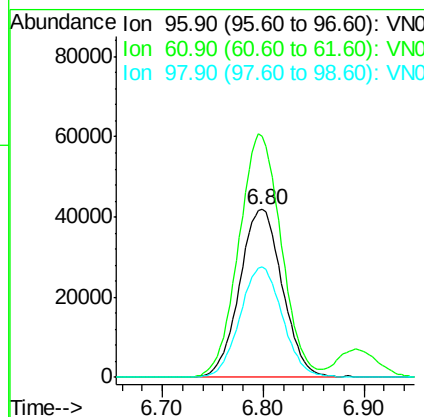
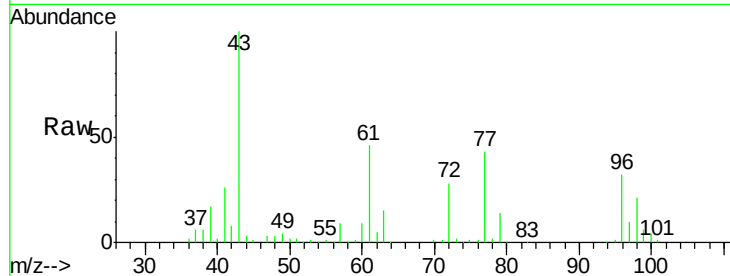
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	123335
Ion Ratio	Lower	Upper	
96	100		
61	143.9	0.0	285.8
98	65.3	0.0	129.6

Manual Integrations
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#28

Bromochloromethane

Concen: 48.882 ug/l

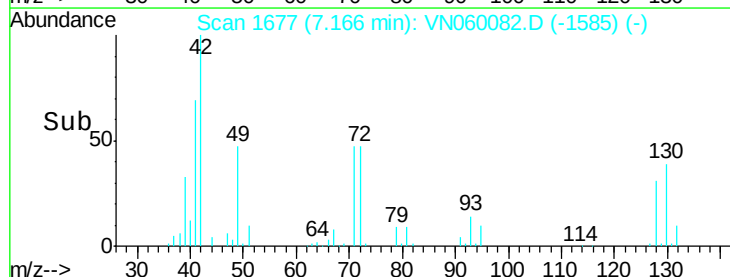
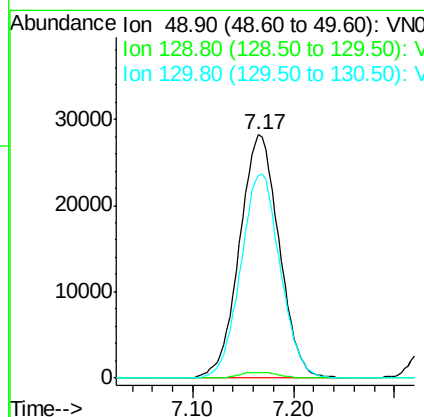
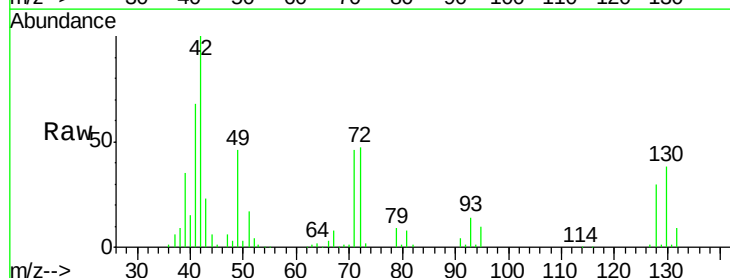
RT: 7.17 min Scan# 1677

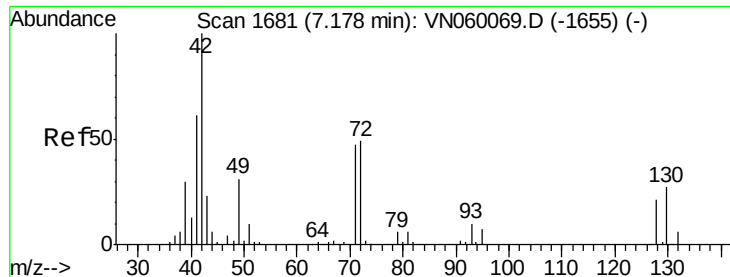
Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Tgt Ion:	49	Resp:	76803
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	2.2#
130	83.6	66.8	100.2





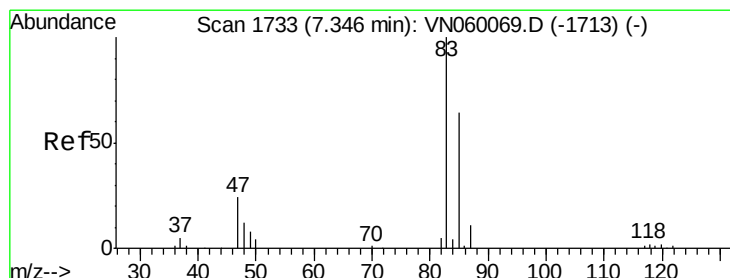
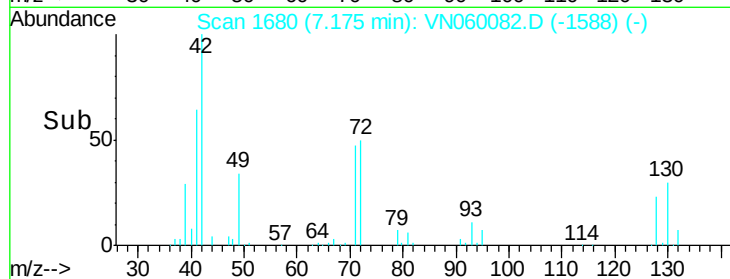
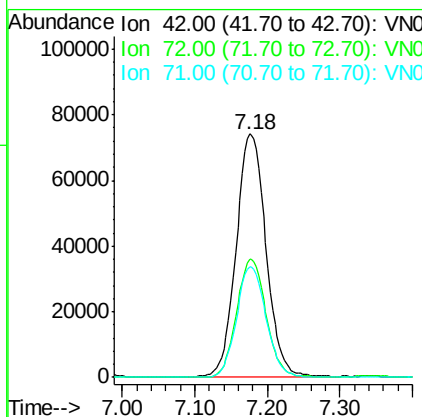
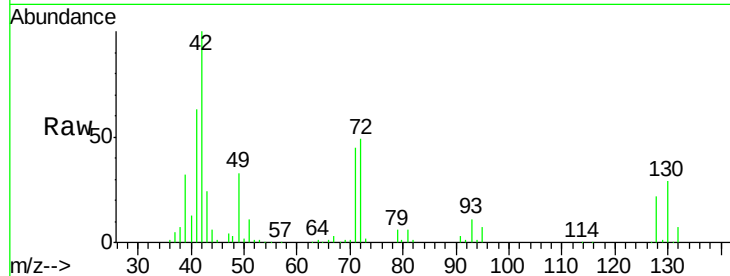
#29
Tetrahydrofuran
Concen: 241.260 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	38.2	57.4
71	44.6	36.6	54.8

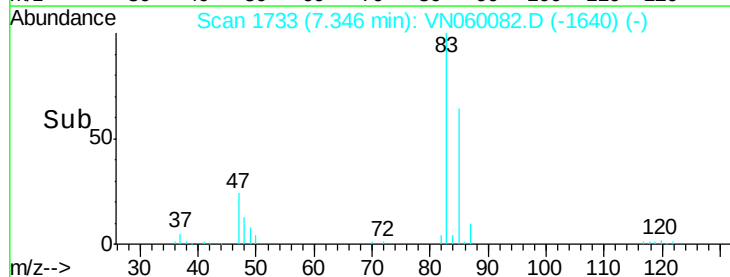
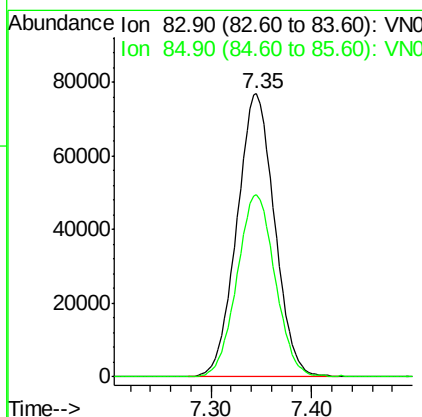
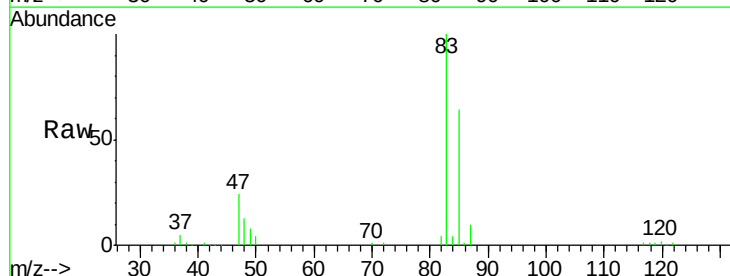
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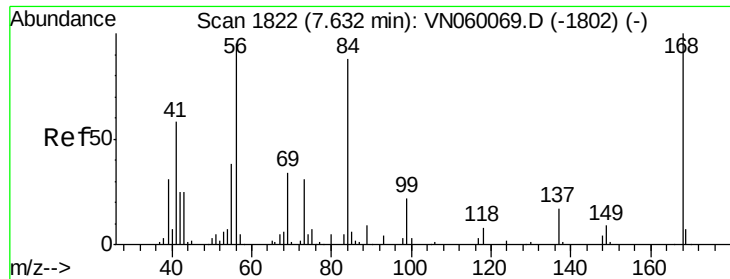
MMDadoda
2/14/2020 10:27:38 AM



#30
Chloroform
Concen: 47.530 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.0





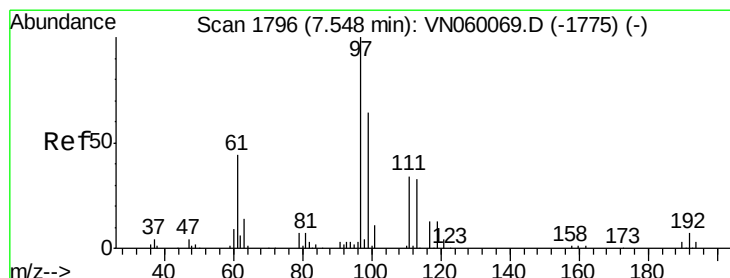
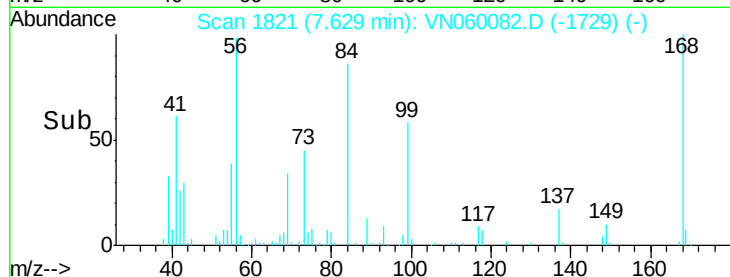
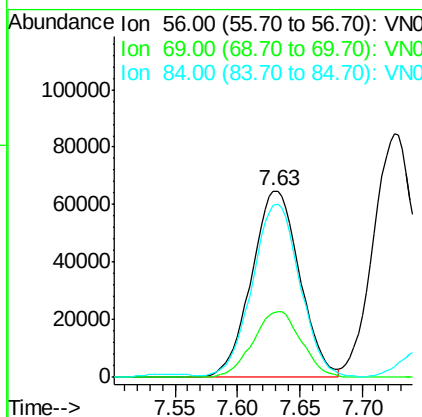
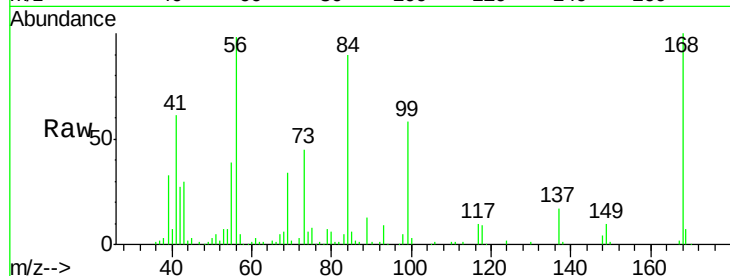
#31
Cyclohexane
Concen: 46.582 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	28.3	42.5
84	90.7	72.6	108.8

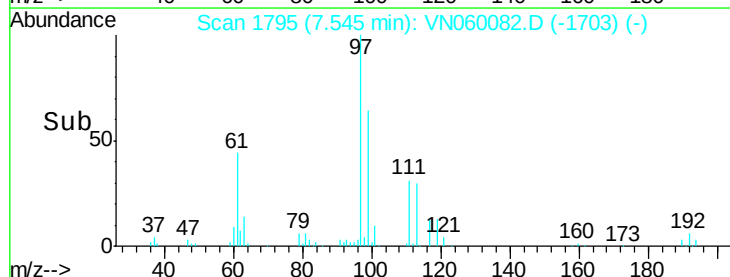
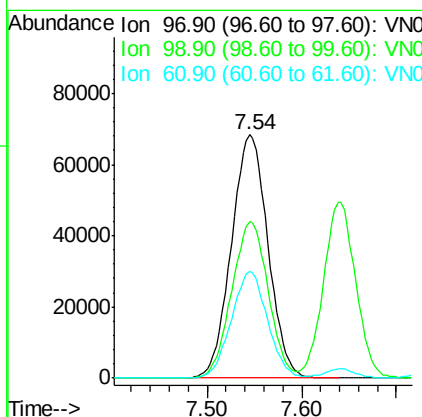
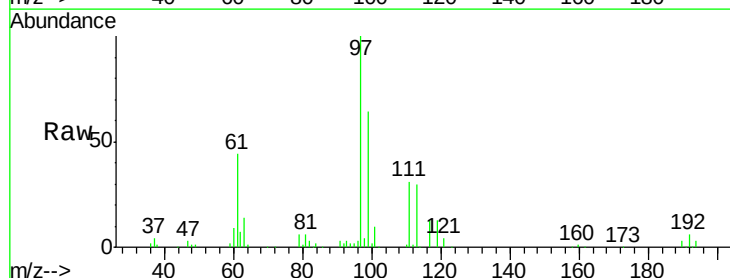
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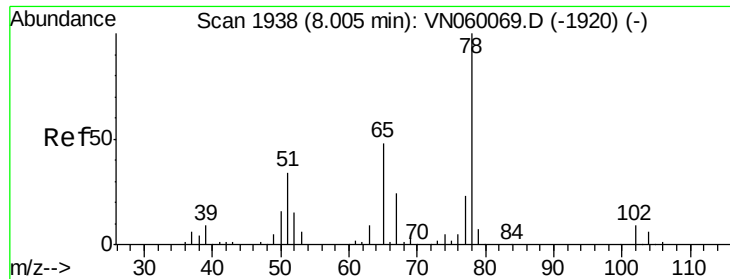
MMDadoda
2/14/2020 10:27:38 AM



#32
1,1,1-Trichloroethane
Concen: 47.973 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	43.4	34.9	52.3





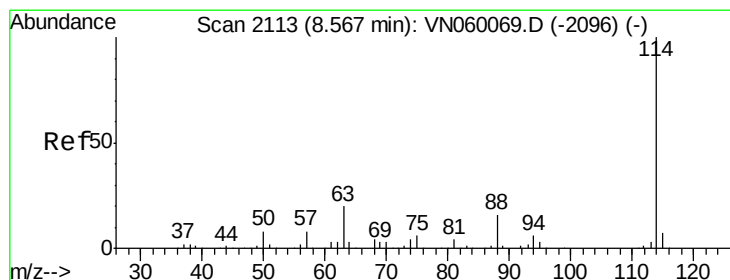
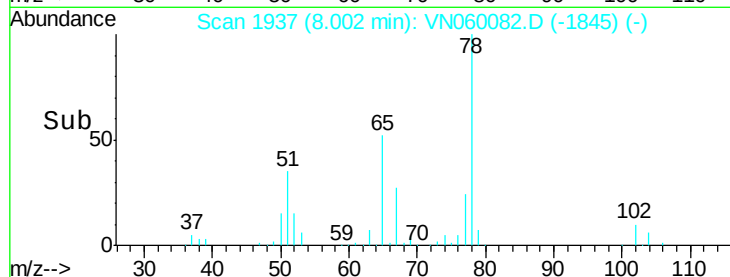
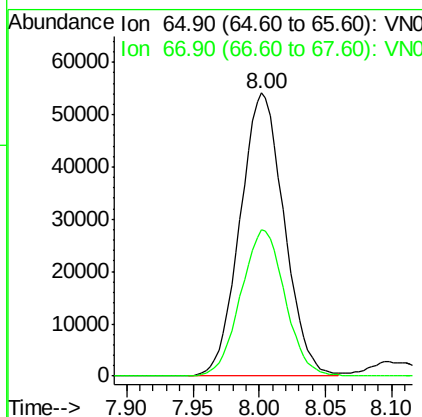
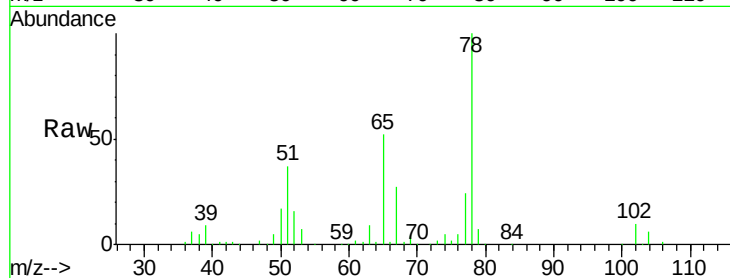
#33
 1,2-Dichloroethane-d4
 Concen: 47.524 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	125096		
67	51.6	0.0	104.0	

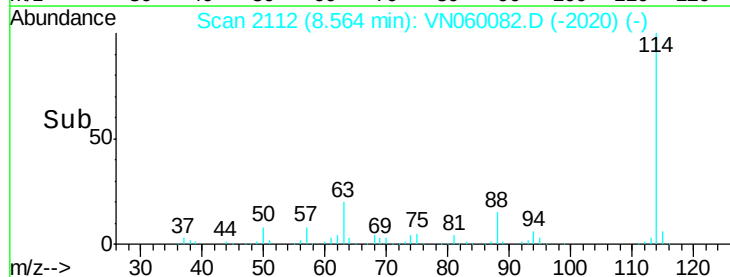
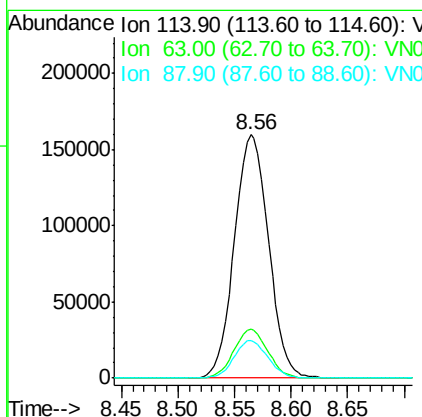
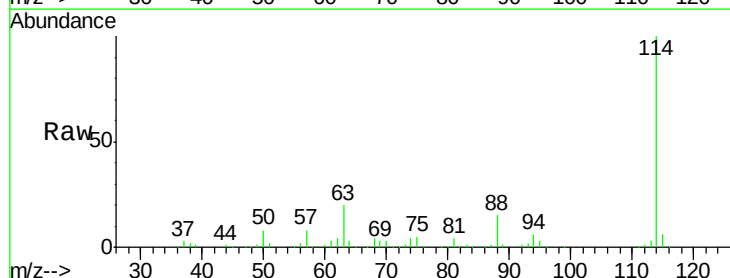
Manual Integrations
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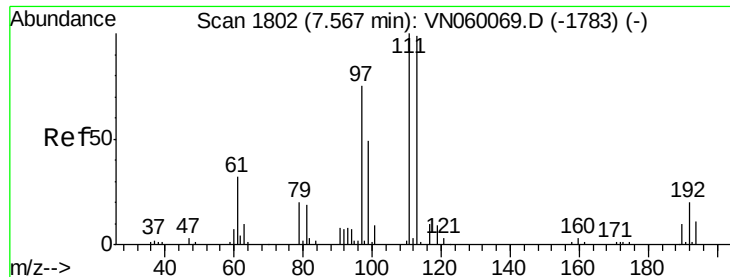
MMDadoda
 2/14/2020 10:27:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	336675		
63	20.0	0.0	40.0	
88	15.5	0.0	31.6	





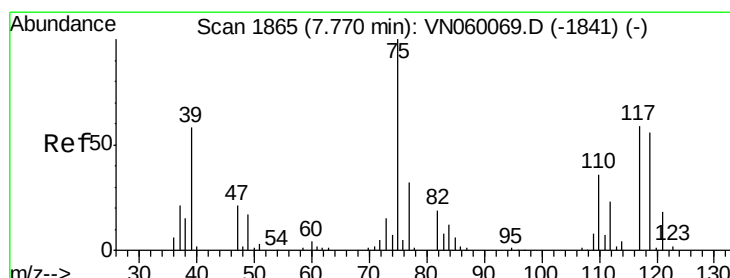
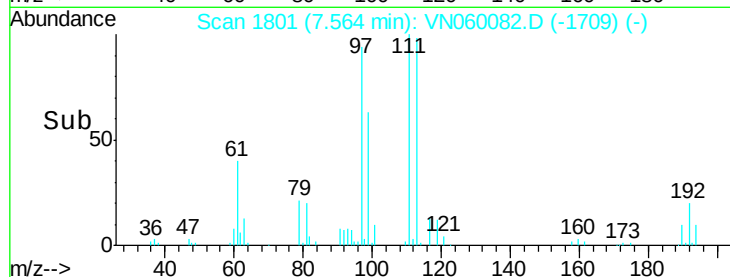
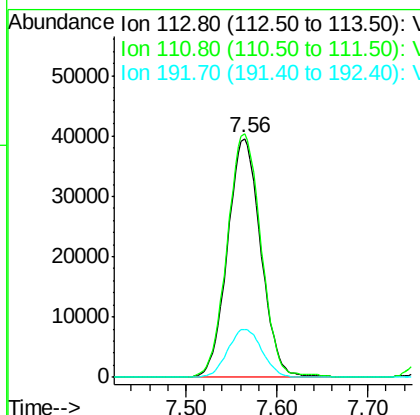
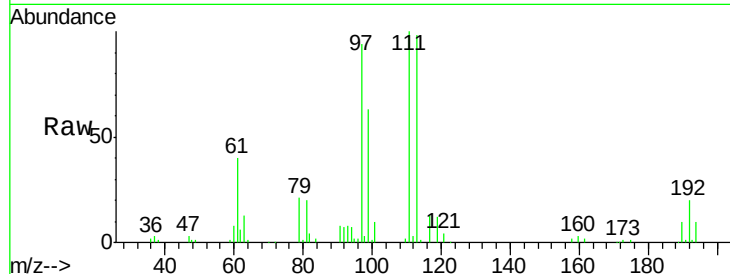
#35
 Dibromofluoromethane
 Concen: 48.598 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100576		
111	103.9		81.4	122.2
192	20.7		16.2	24.2

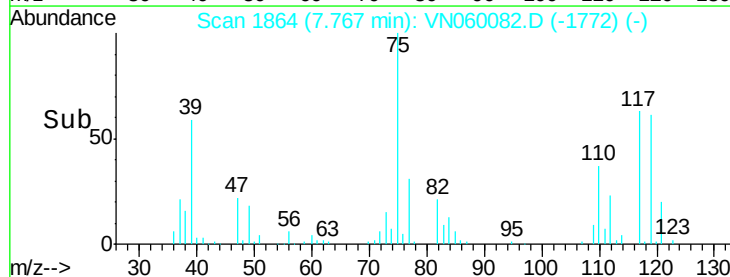
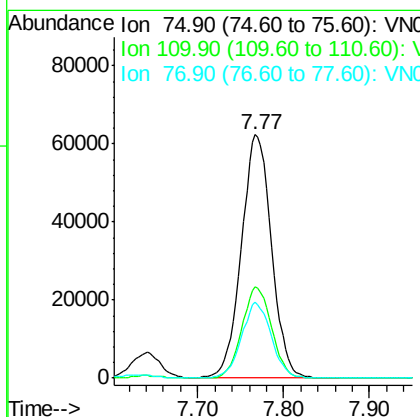
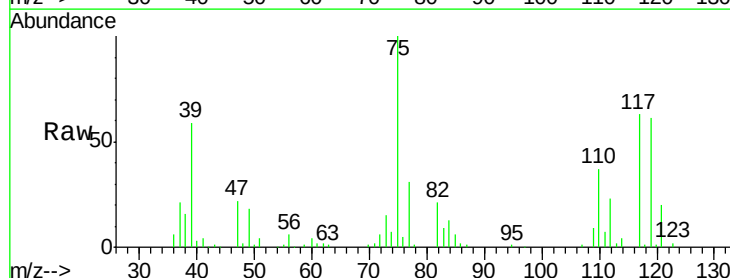
Manual Integrations
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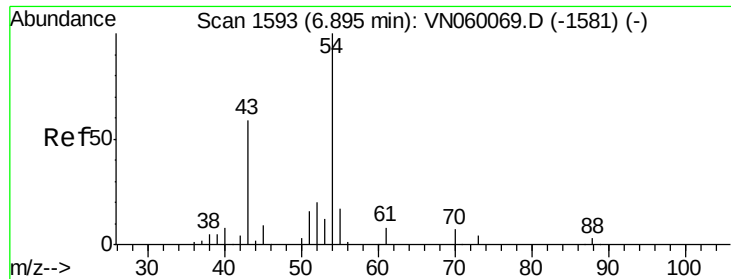
MMDadoda
 2/14/2020 10:27:38 AM



#36
 1,1-Dichloropropene
 Concen: 48.767 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152075		
110	36.6		18.1	54.3
77	30.7		25.1	37.7





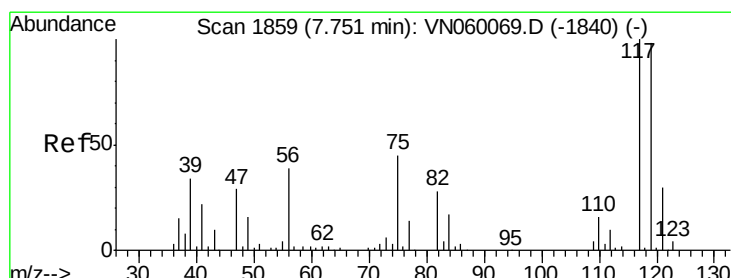
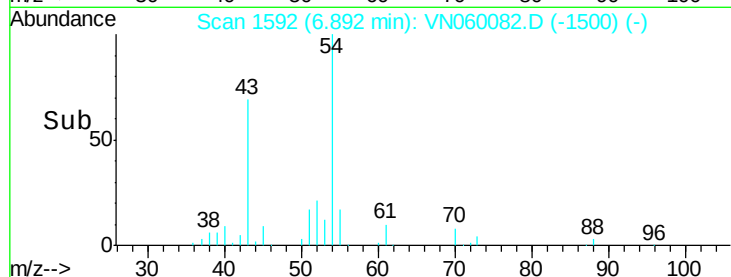
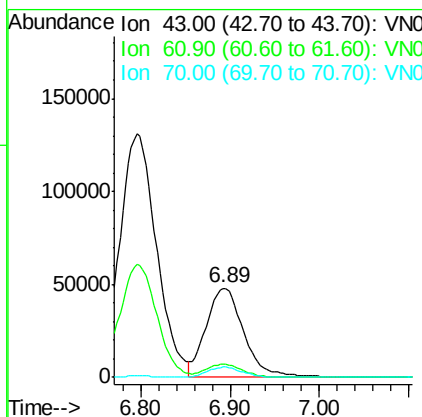
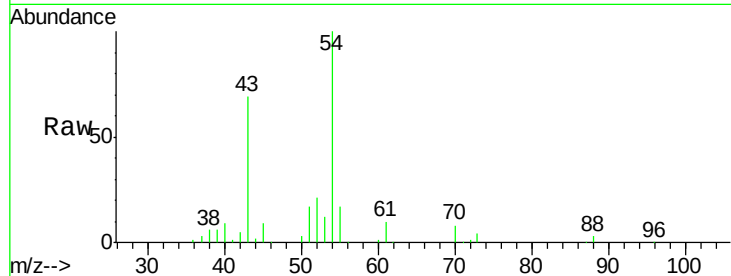
#37
Ethyl Acetate
Concen: 49.288 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.4	17.2
70	10.8	8.7	13.1

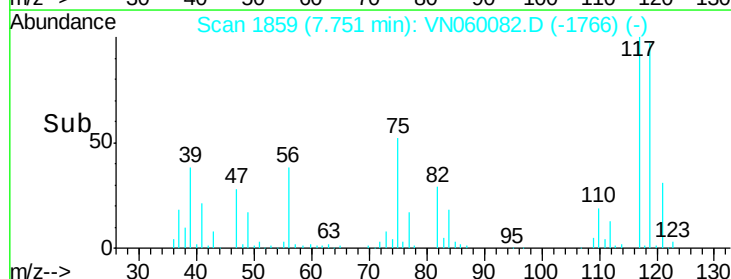
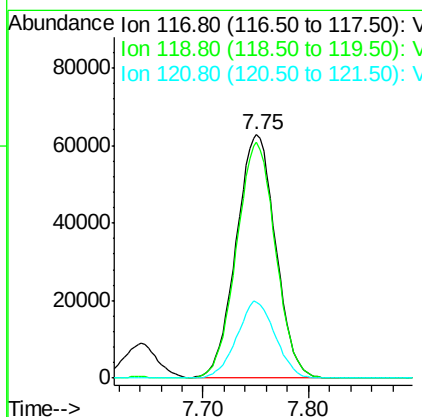
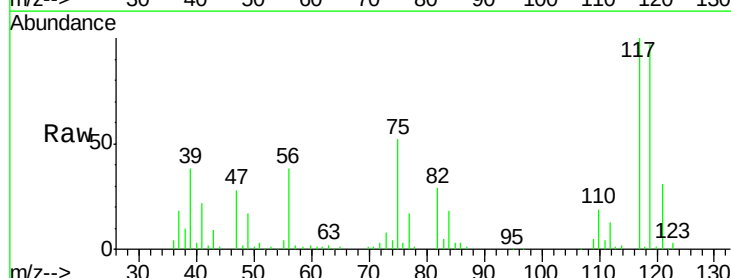
Manual Integrations
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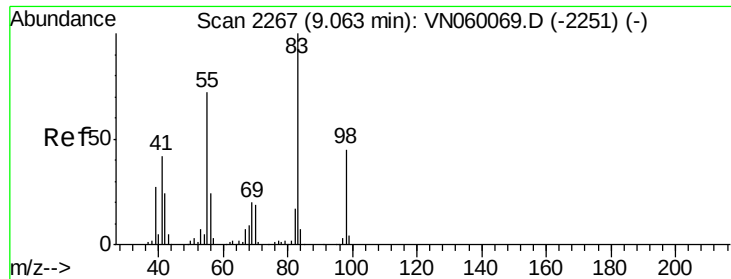
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#38
Carbon Tetrachloride
Concen: 48.132 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.2	117.4
121	31.3	24.2	36.2





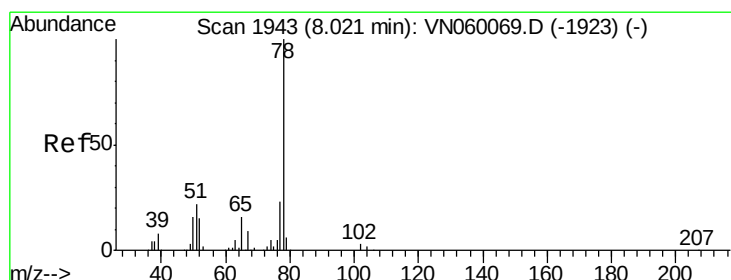
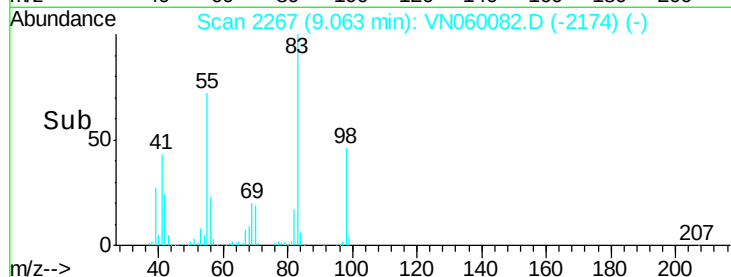
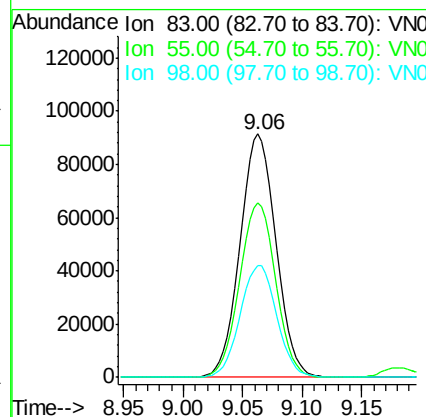
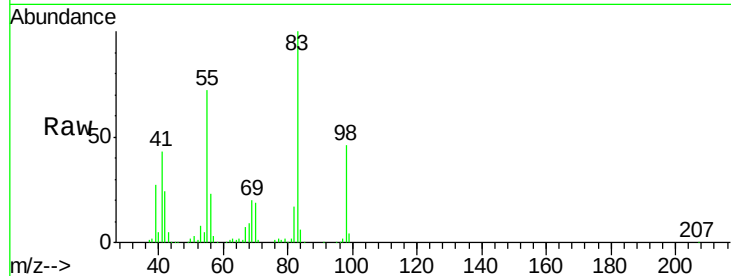
#39
Methylvlcyclohexane
Concen: 49.532 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	191739
Ion Ratio	Lower	Upper	
83	100		
55	71.6	57.8	86.8
98	45.8	36.4	54.6

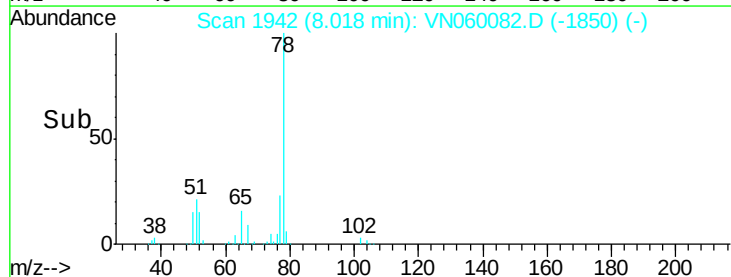
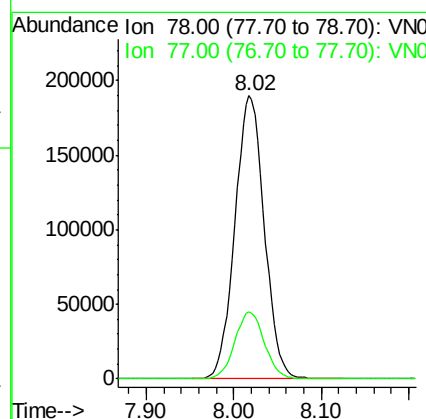
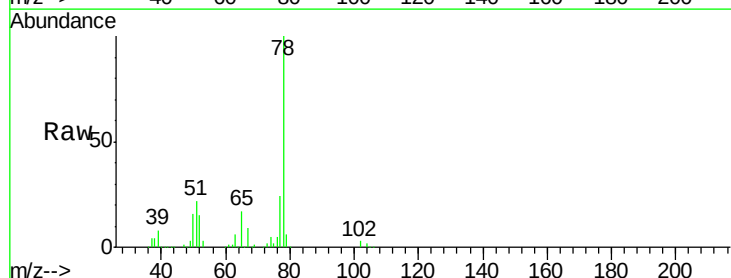
Manual Integrations
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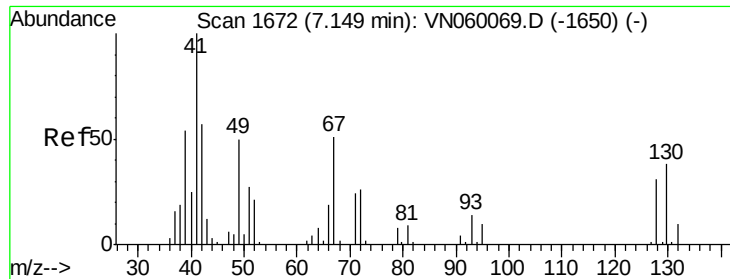
MMDadoda
2/14/2020 10:27:38 AM



#40
Benzene
Concen: 47.810 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	78	Resp	442261
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.8	28.2





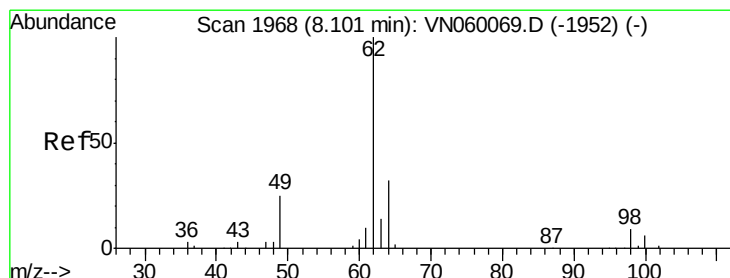
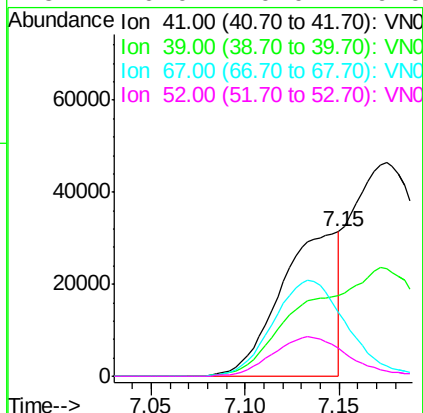
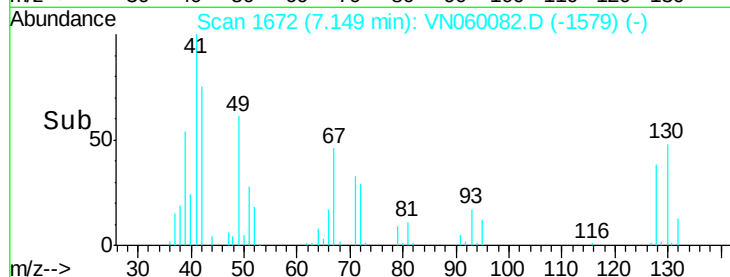
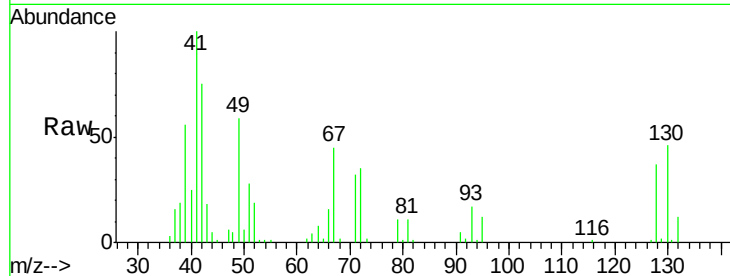
#41
Methacrylonitrile
Concen: 57.181 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	67584		
39	154.4	0.0	0.0	#
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

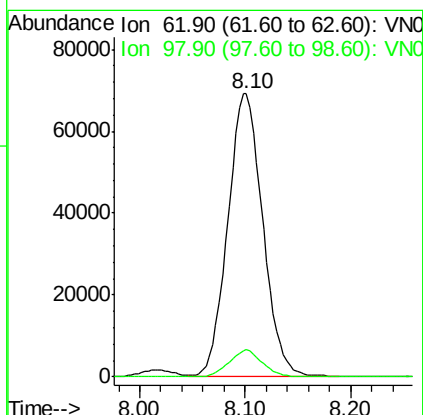
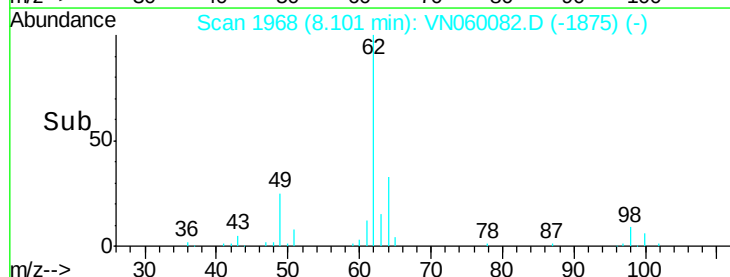
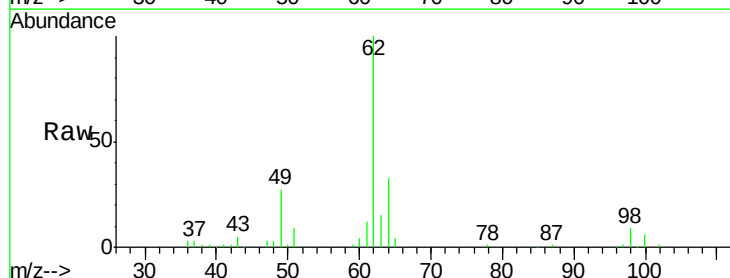
Manual Integrations
APPROVED

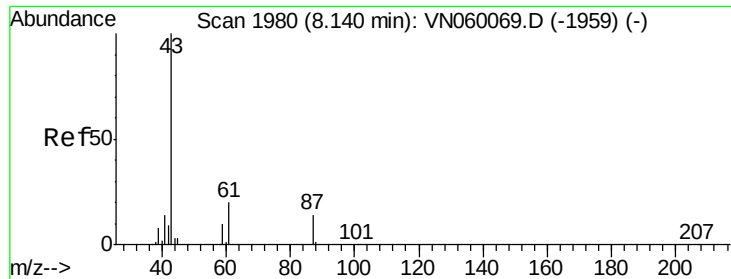
MMDadoda
2/14/2020 10:27:38 AM



#42
1,2-Dichloroethane
Concen: 48.835 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	158329		
98	9.0	0.0	18.2	





#43

Isopropyl Acetate

Concen: 49.561 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

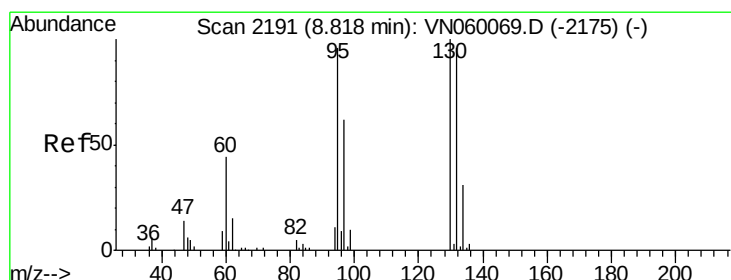
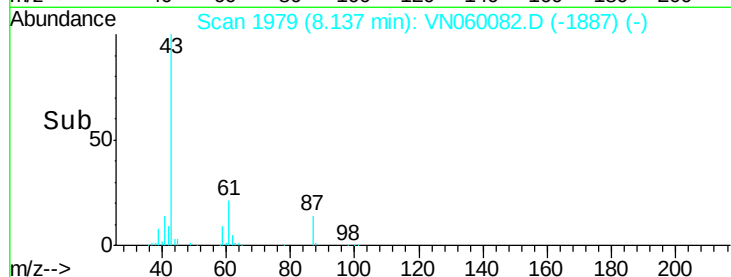
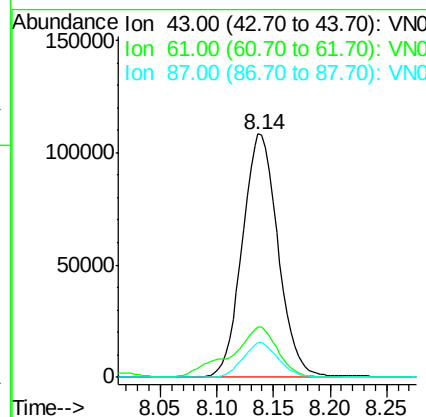
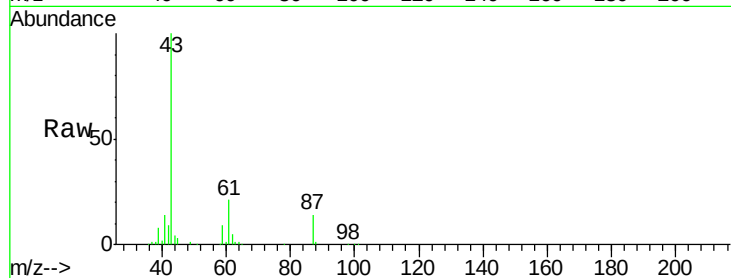
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	238769
Ion Ratio		Lower	Upper
43	100		
61	27.1	21.8	32.6
87	14.2	11.4	17.2

Manual Integrations
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MMDadoda
2/14/2020 10:27:38 AM



#44

Trichloroethene

Concen: 48.282 ug/l

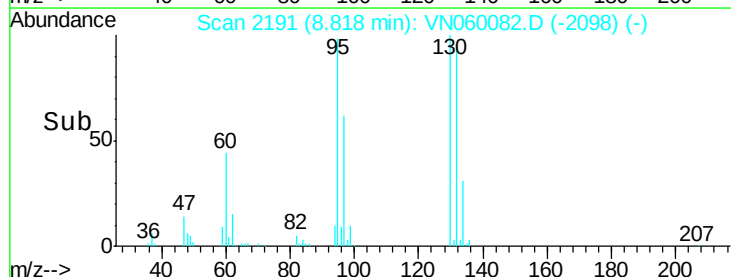
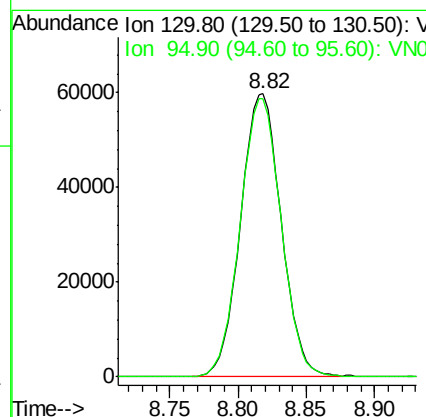
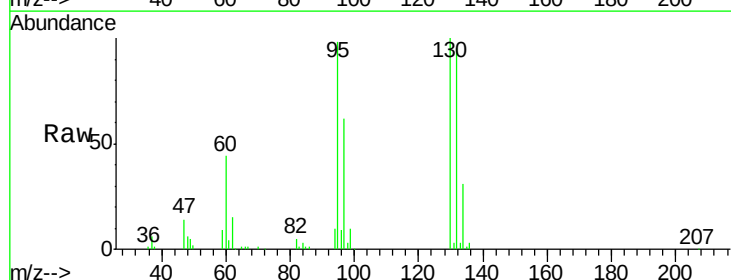
RT: 8.82 min Scan# 2191

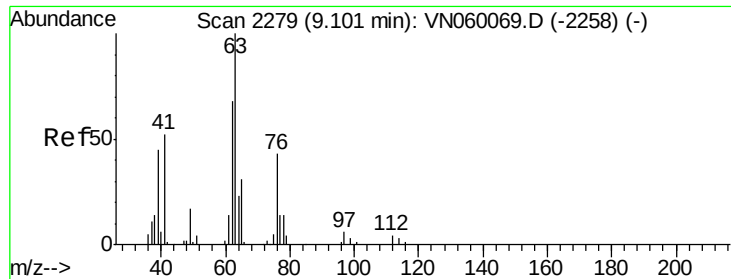
Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Tgt Ion:	130	Resp:	123669
Ion Ratio		Lower	Upper
130	100		
95	98.1	0.0	192.4





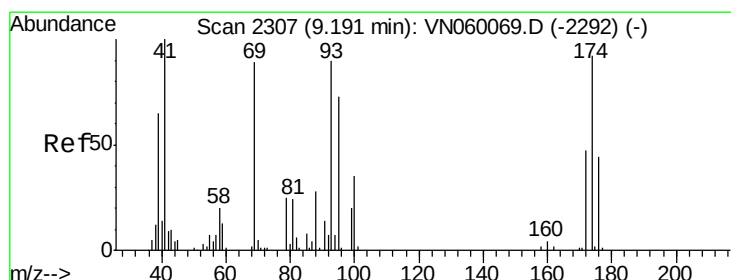
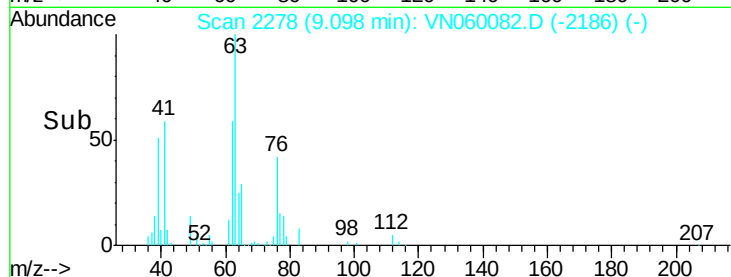
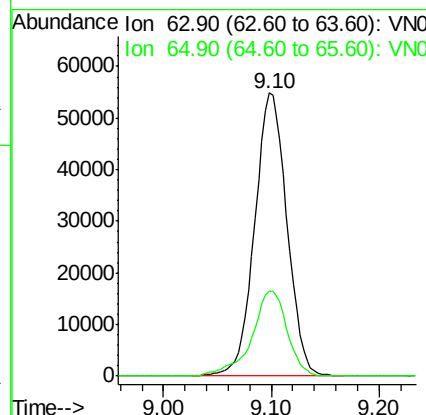
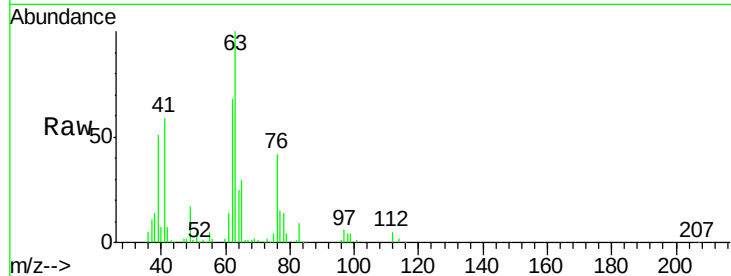
#45
 1,2-Dichloropropane
 Concen: 49.794 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 114037
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.4

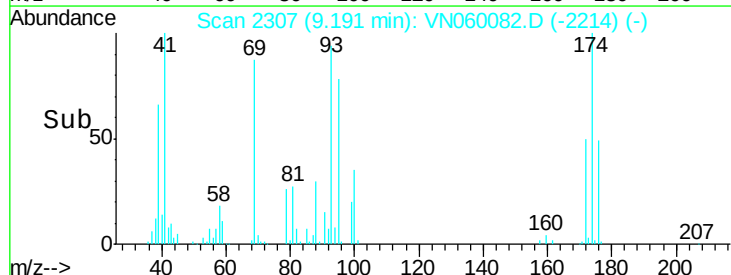
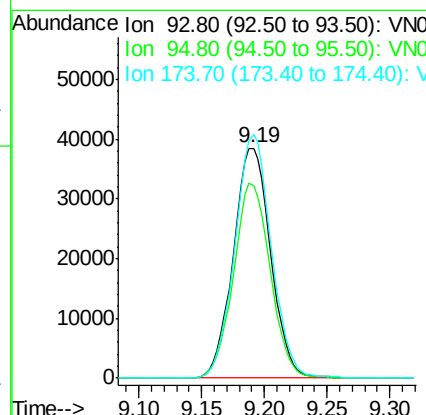
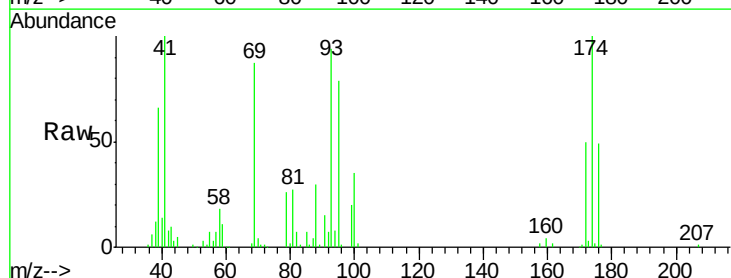
Manual Integrations
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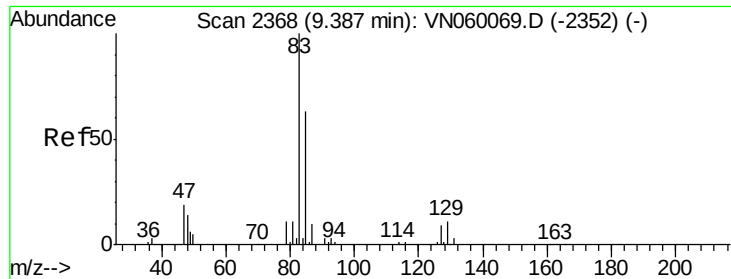
MMDadoda
 2/14/2020 10:27:38 AM



#46
 Dibromomethane
 Concen: 49.059 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion: 93 Resp: 79397
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.0 97.6
 174 103.7 82.3 123.5





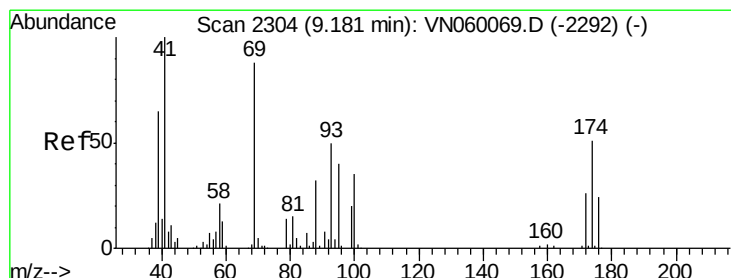
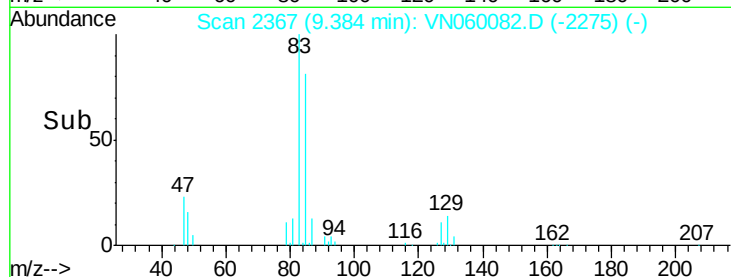
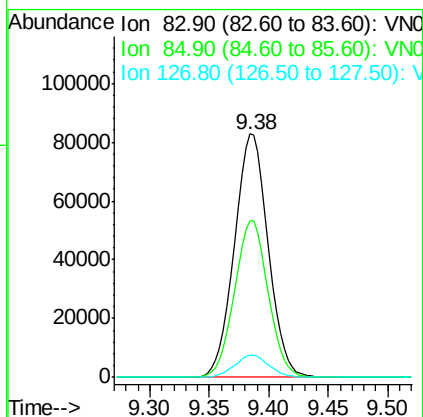
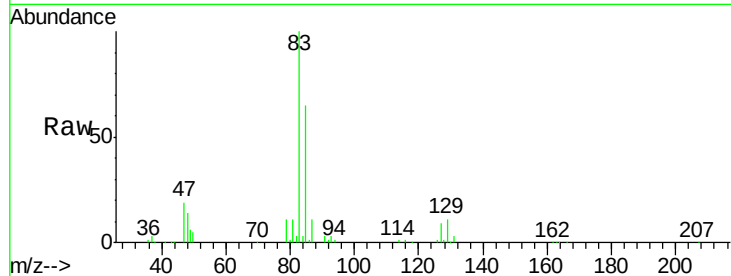
#47
Bromodichloromethane
Concen: 49.426 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	162628
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	50.6	75.8
127	9.0	7.0	10.6

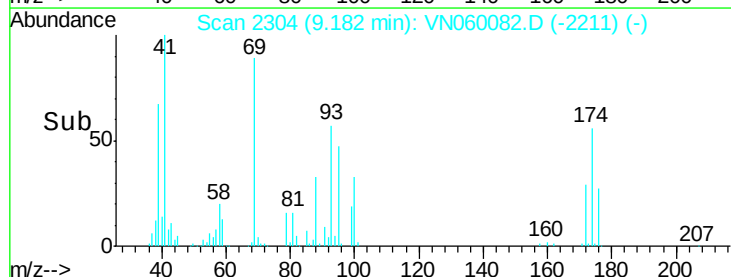
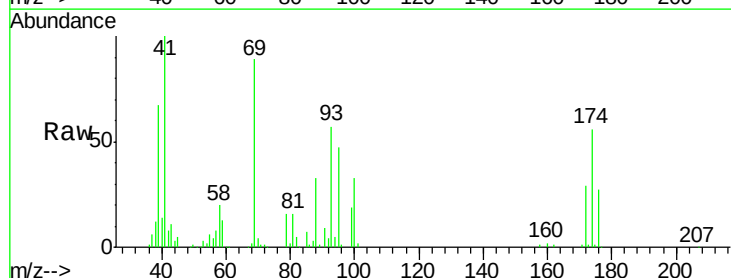
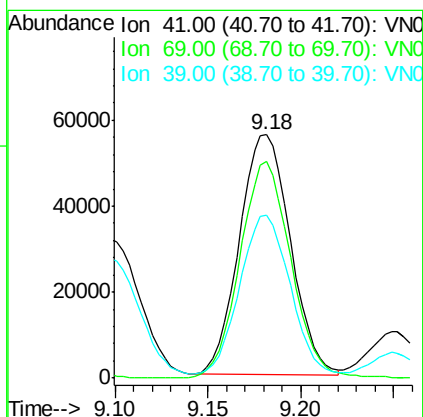
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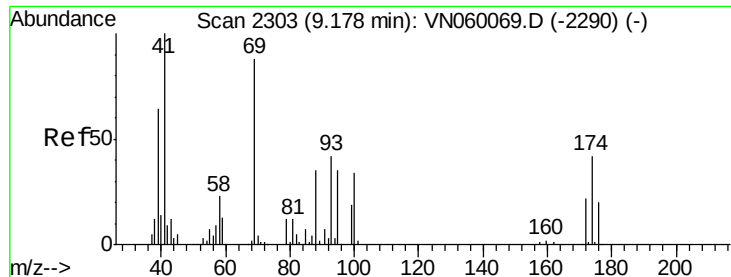
MMDadoda
2/14/2020 10:27:38 AM



#48
Methyl methacrylate
Concen: 49.563 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	41	Resp	107133
Ion Ratio	100	Lower	Upper
41	100		
69	90.0	72.0	108.0
39	68.5	54.1	81.1





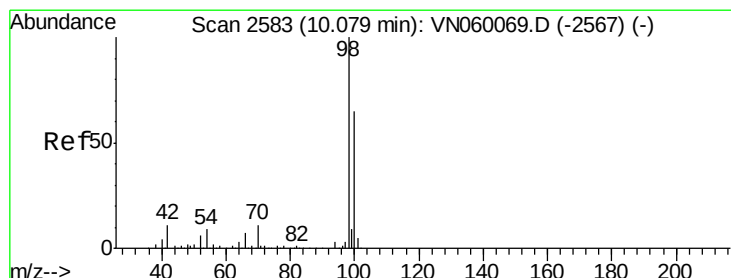
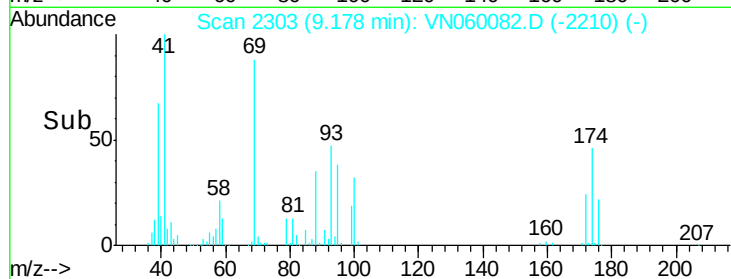
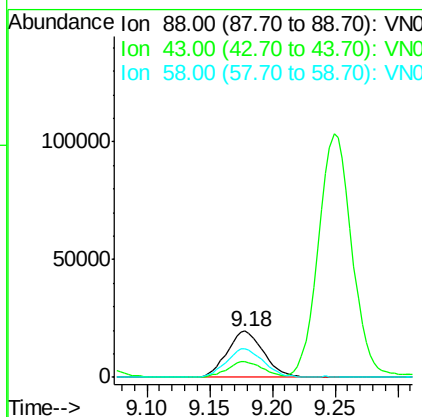
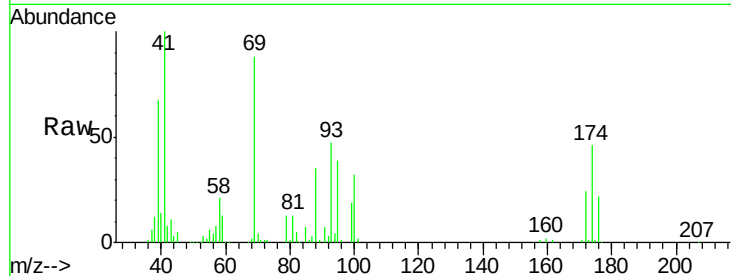
#49
1,4-Dioxane
Concen: 1081.931 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	33.4	26.2	39.2	
58	63.0	53.2	79.8	

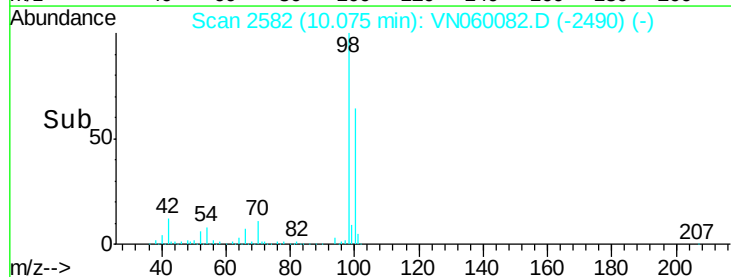
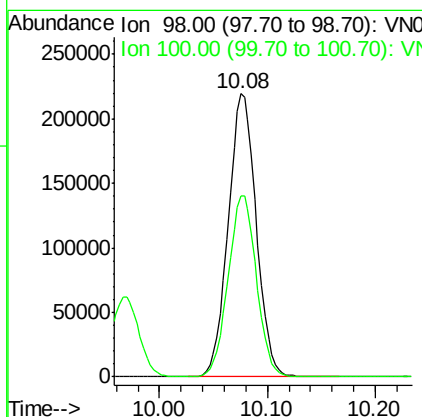
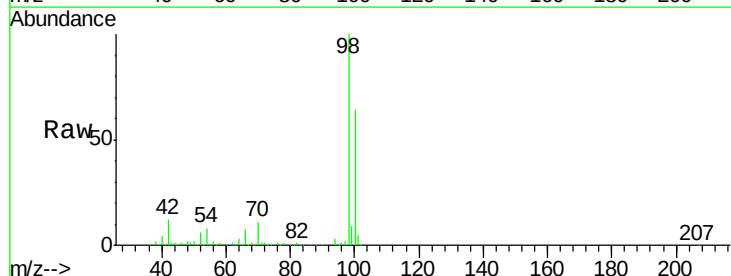
Manual Integrations
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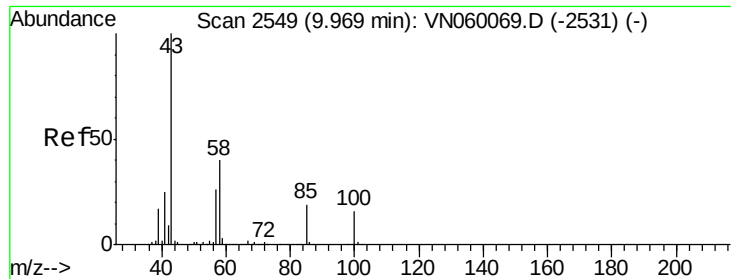
MMDadoda
2/14/2020 10:27:38 AM



#50
Toluene-d8
Concen: 48.708 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.6	51.7	77.5	





#51

4-Methyl-2-Pentanone

Concen: 251.303 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 700779

Ion Ratio Lower Upper

43 100

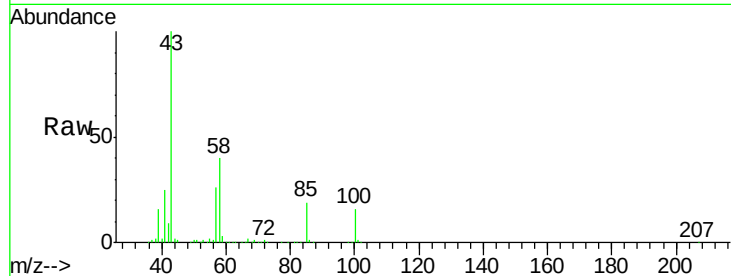
58 39.7 31.8 47.8

Manual Integrations

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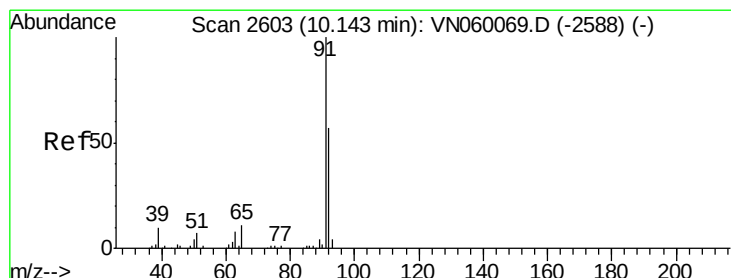
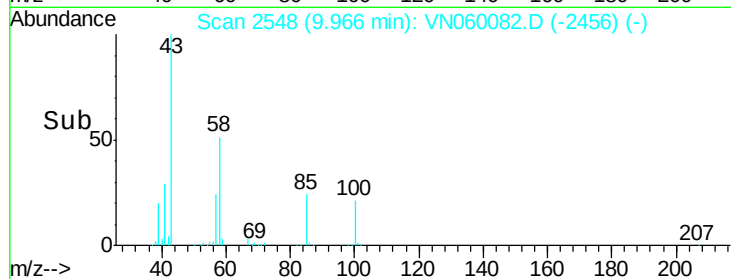
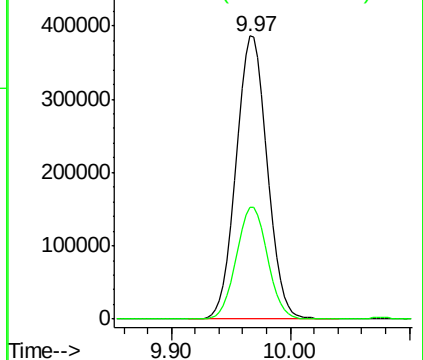
MMDadoda

2/14/2020 10:27:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.178 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060082.D

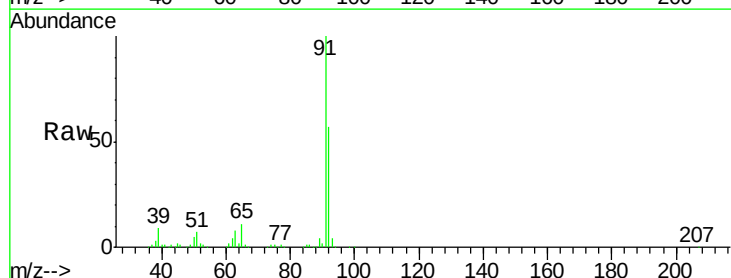
Acq: 13 Feb 2020 9:48

Tgt Ion: 92 Resp: 291722

Ion Ratio Lower Upper

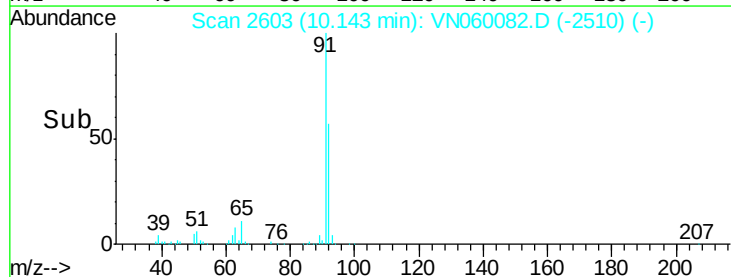
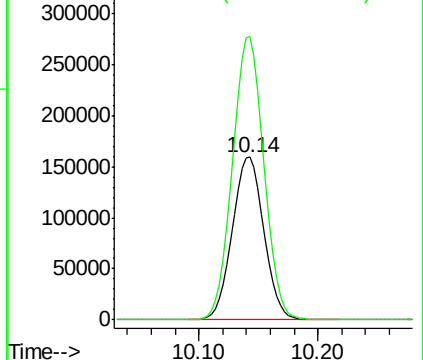
92 100

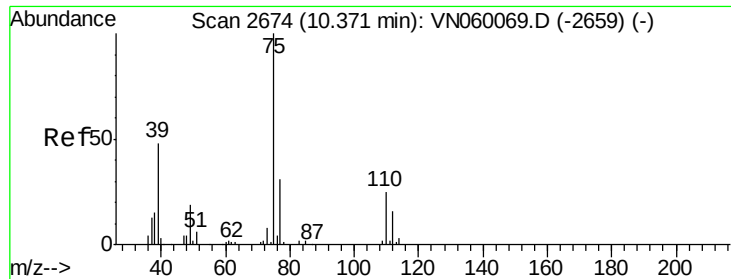
91 173.7 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 50.688 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 188255

Ion Ratio Lower Upper

75 100

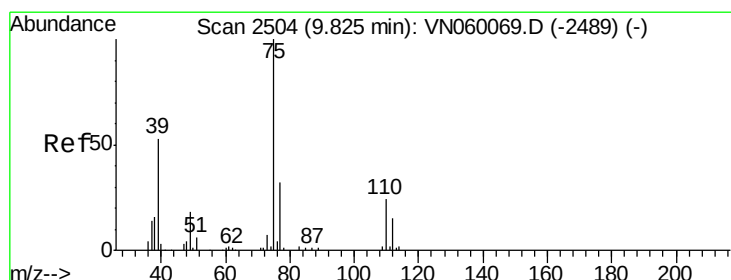
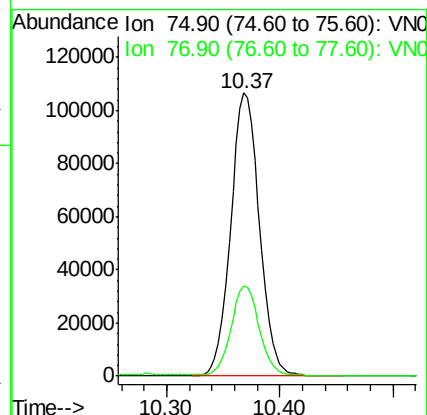
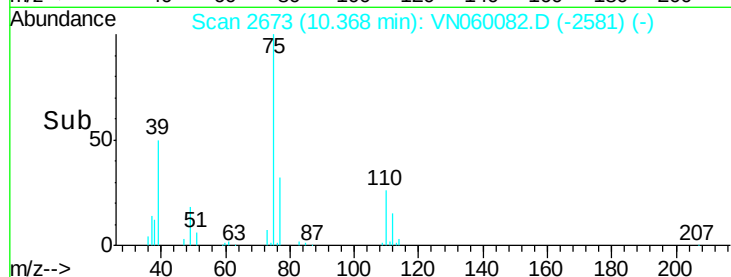
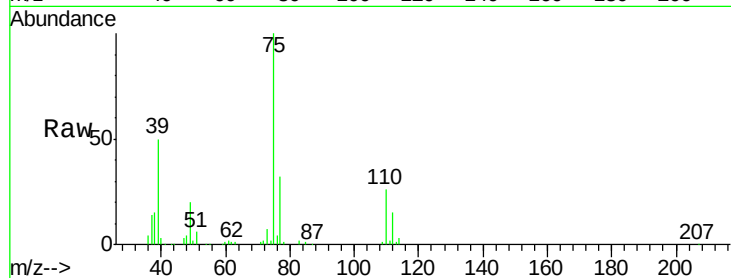
77 31.6 25.4 38.0

Manual Integrations

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MMDadoda

2/14/2020 10:27:38 AM



#54

cis-1,3-Dichloropropene

Concen: 49.878 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

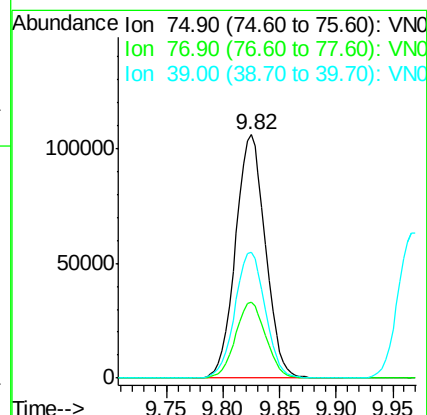
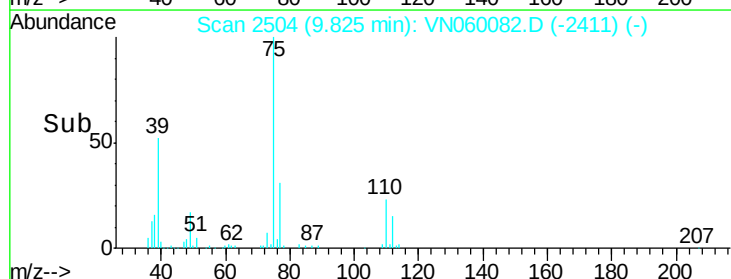
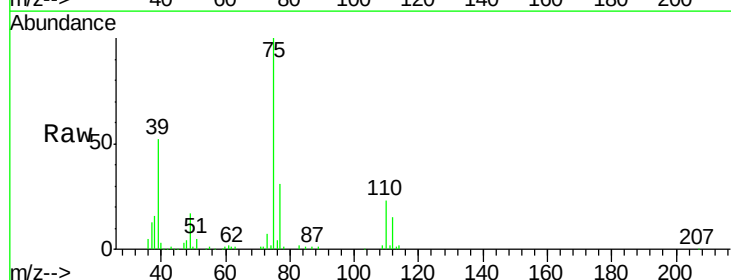
Tgt Ion: 75 Resp: 195068

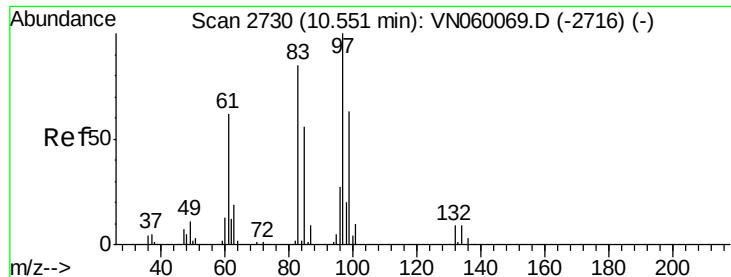
Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 51.9 42.2 63.4





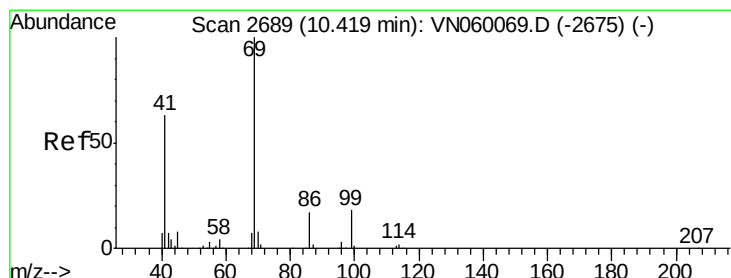
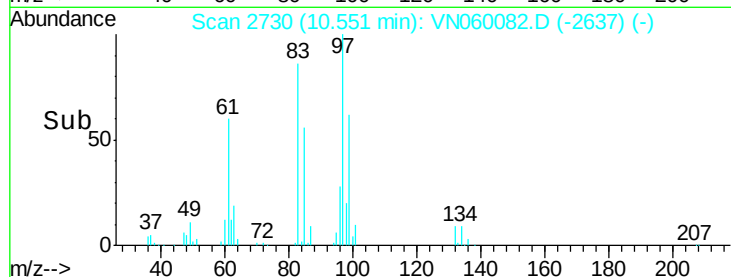
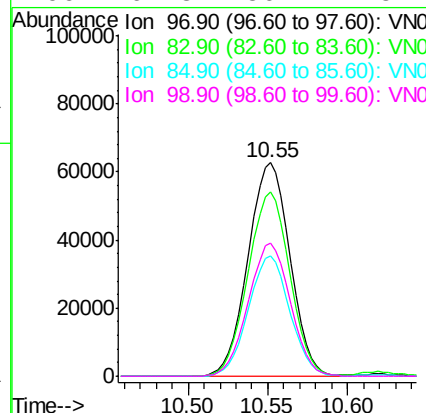
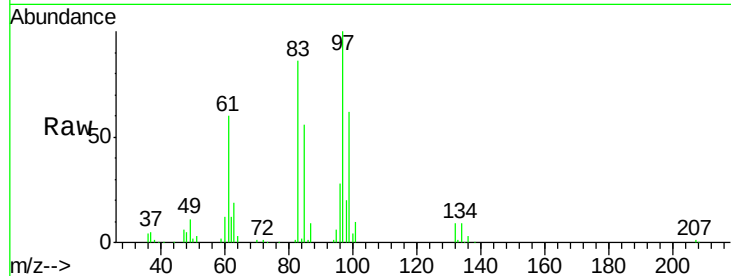
#55
 1,1,2-Trichloroethane
 Concen: 48.653 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	112594
Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.9	101.9
85	56.4	44.6	67.0
99	62.3	50.1	75.1

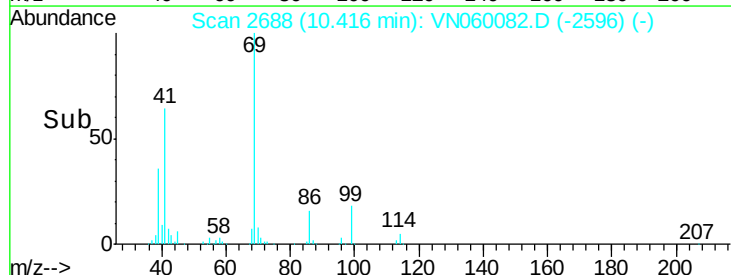
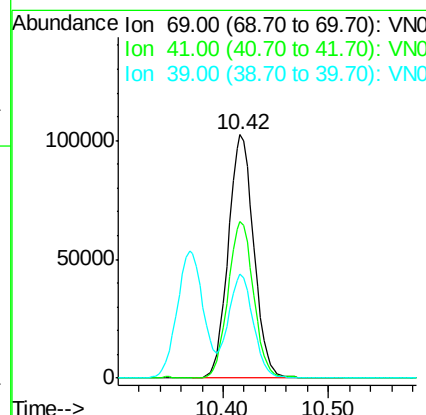
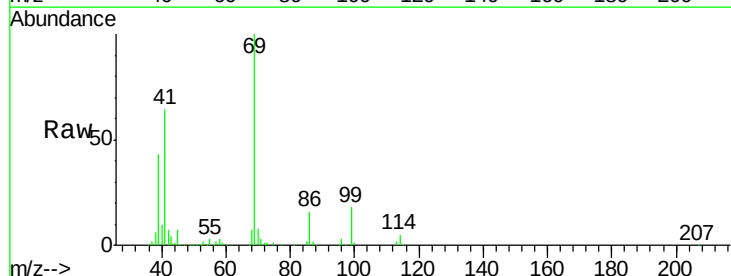
Manual Integrations
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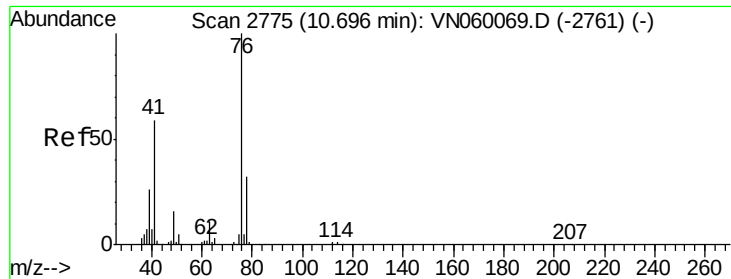
MMDadoda
 2/14/2020 10:27:38 AM



#56
 Ethyl methacrylate
 Concen: 52.312 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion:	69	Resp:	171255
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.1	76.7
39	41.8	33.8	50.8





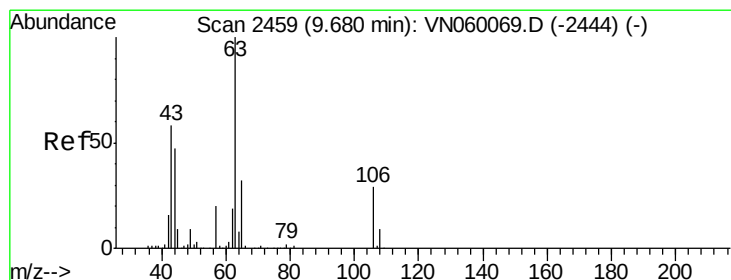
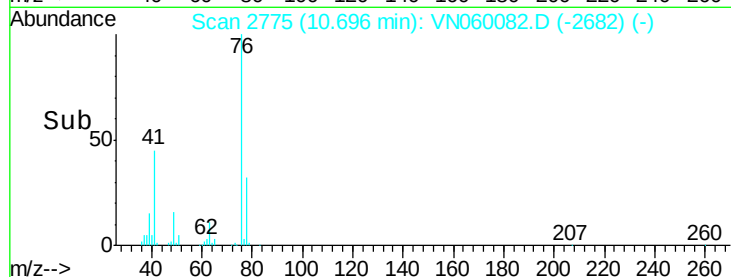
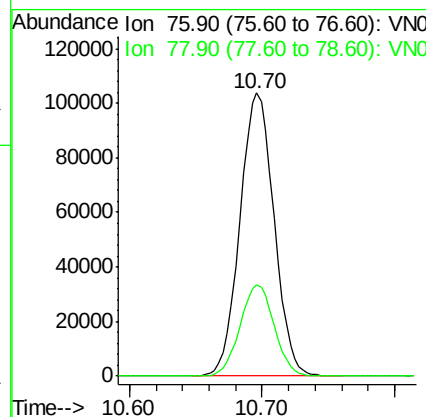
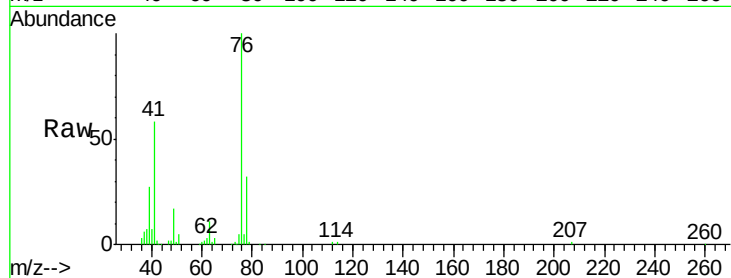
#57
 1,3-Dichloropropane
 Concen: 48.516 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

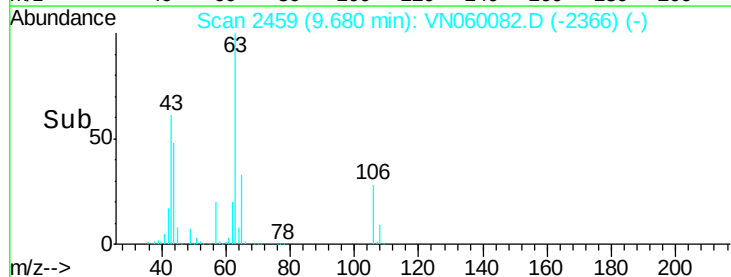
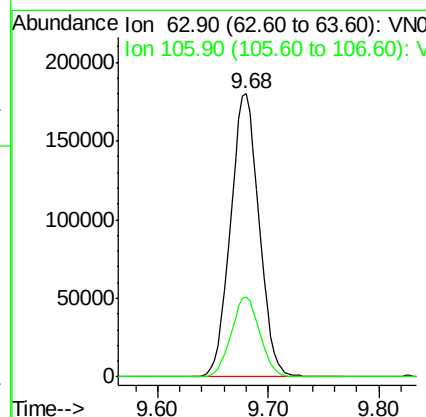
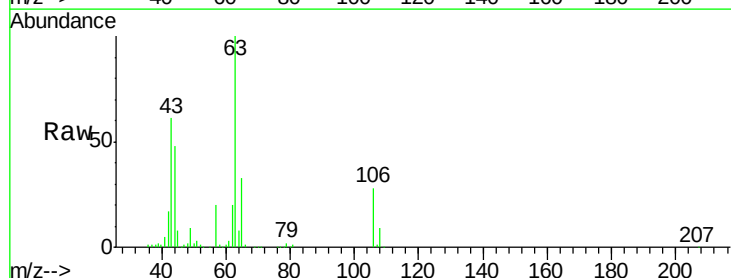
Manual Integrations
 APPROVED

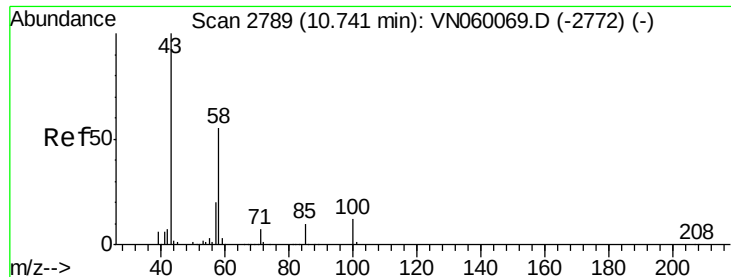
MMDadoda
 2/14/2020 10:27:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 211.828 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.9	34.3





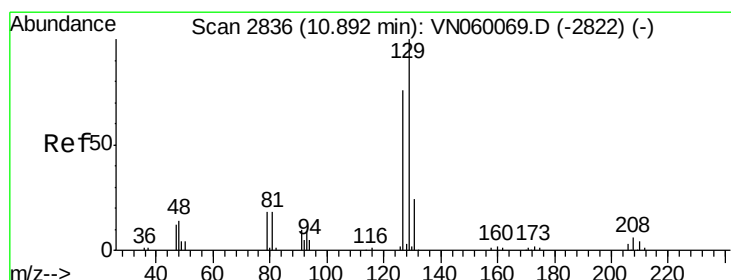
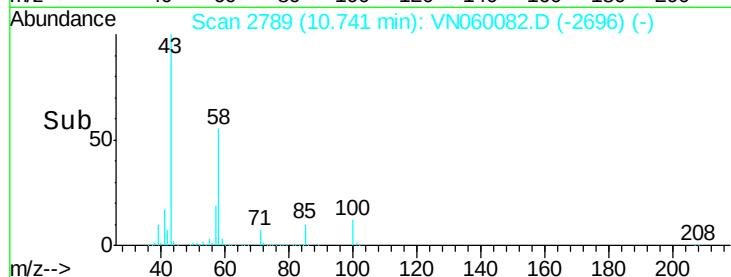
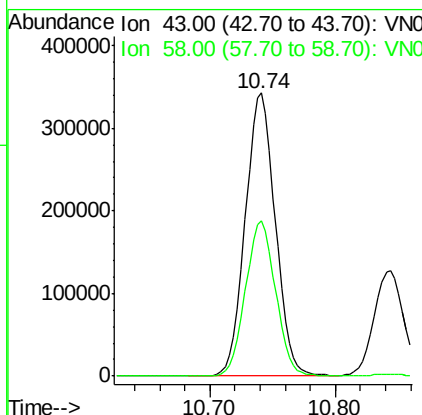
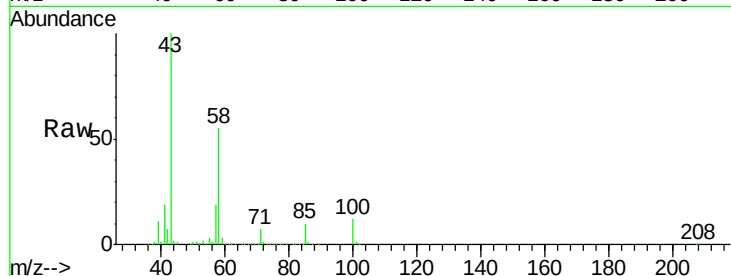
#59
2-Hexanone
Concen: 265.706 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.5	82.4

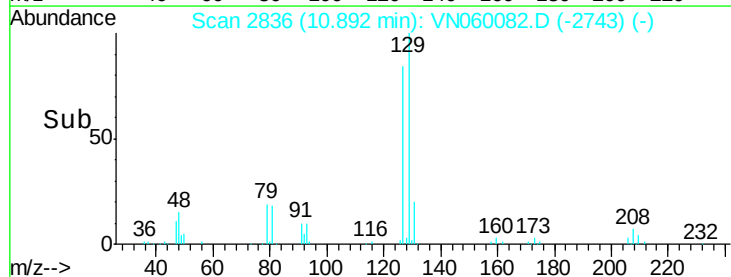
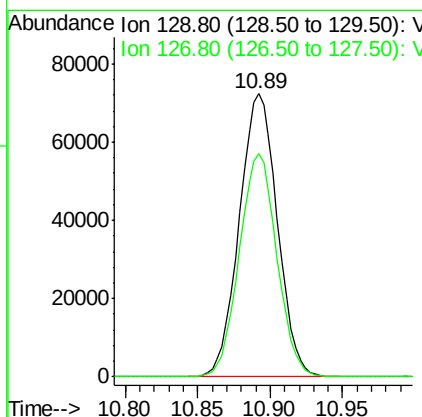
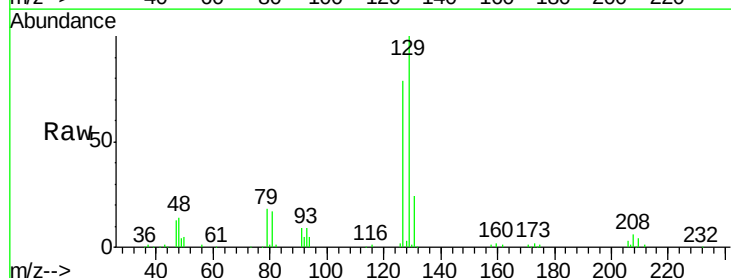
Manual Integrations
APPROVED

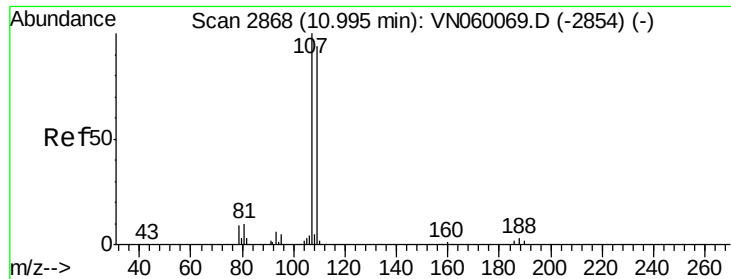
MMDadoda
2/14/2020 10:27:38 AM



#60
Dibromochloromethane
Concen: 49.708 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.0	114.1





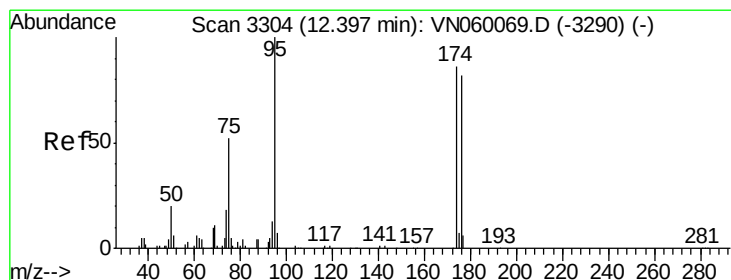
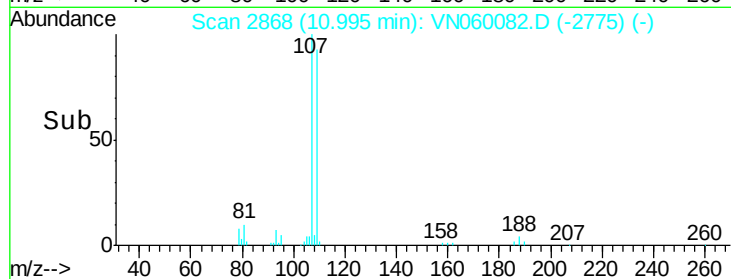
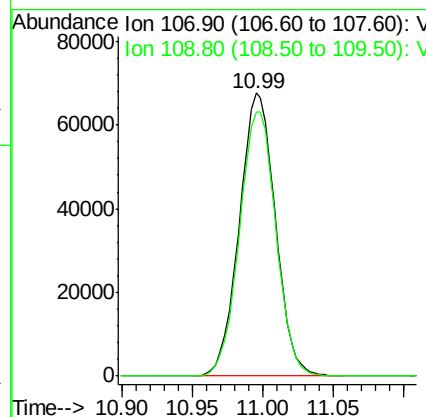
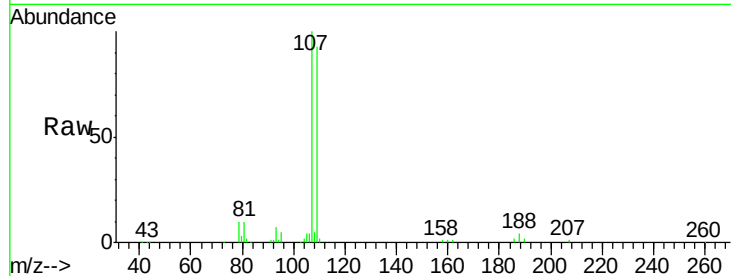
#61
 1,2-Dibromoethane
 Concen: 49.843 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	120917		
109	94.6	75.4	113.0	

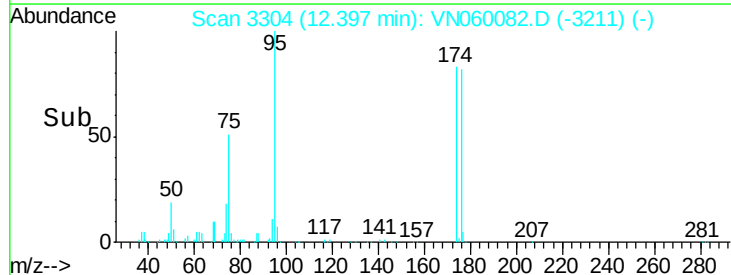
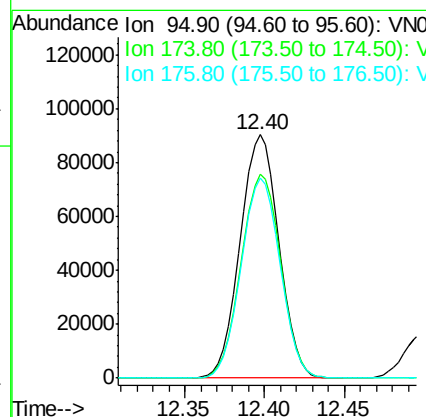
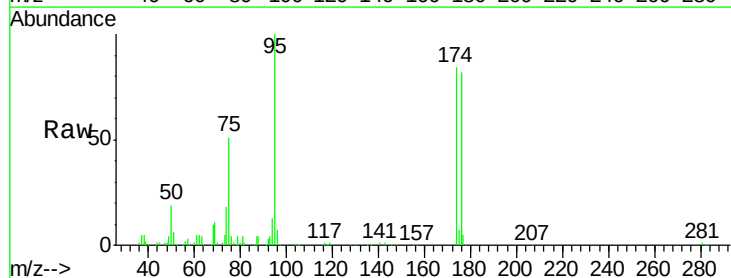
Manual Integrations
 APPROVED

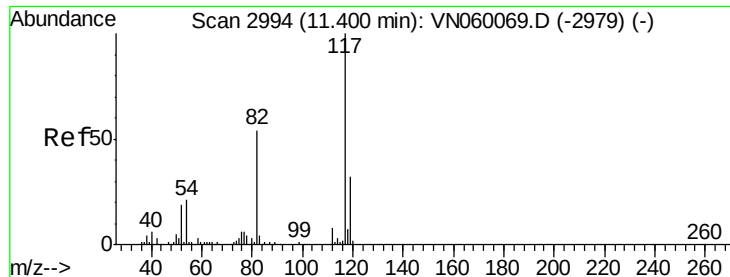
MMDadoda
 2/14/2020 10:27:38 AM



#62
 4-Bromofluorobenzene
 Concen: 49.783 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	149082		
174	85.8	0.0	169.8	
176	83.0	0.0	164.8	





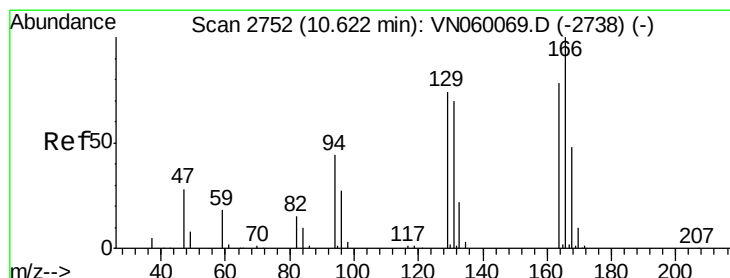
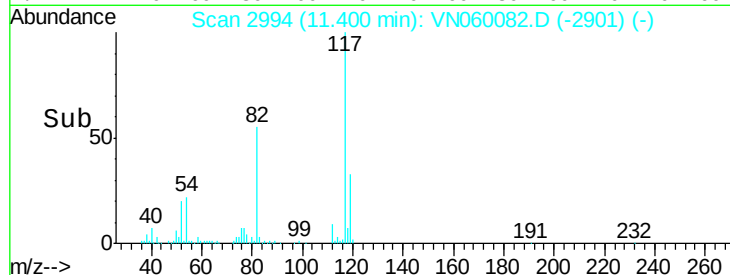
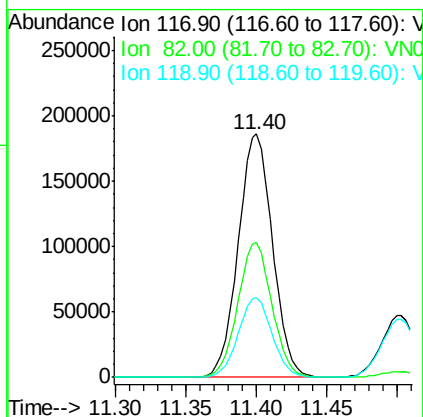
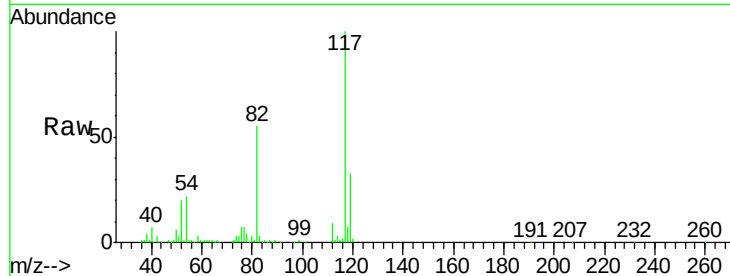
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.4	65.0
119	32.8	25.8	38.6

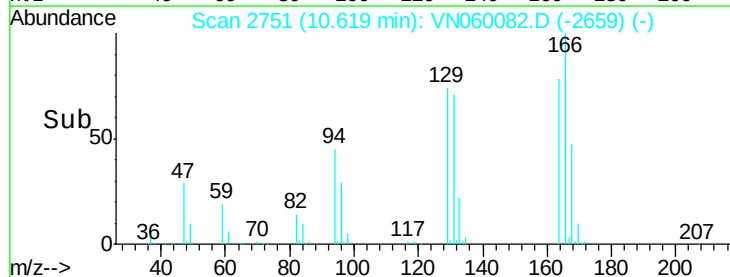
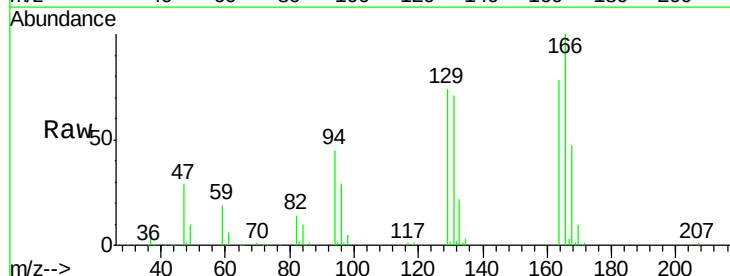
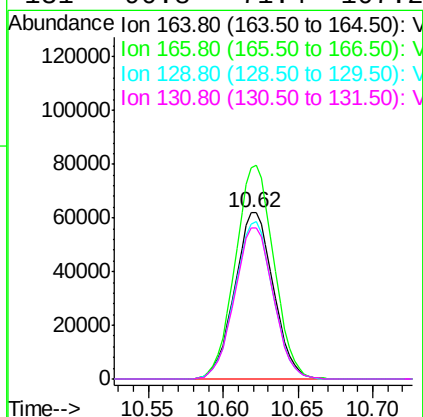
Manual Integrations
APPROVED

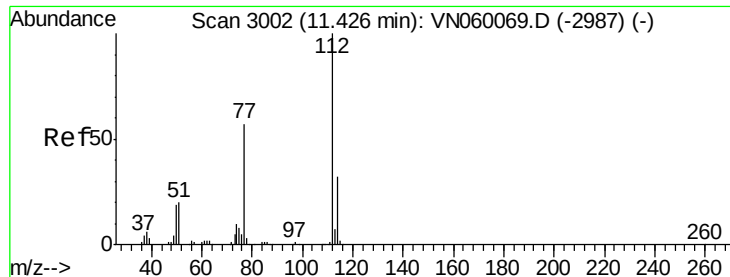
MMDadoda
2/14/2020 10:27:38 AM



#64
Tetrachloroethene
Concen: 46.147 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	93.7	75.4	113.0
131	90.8	71.4	107.2





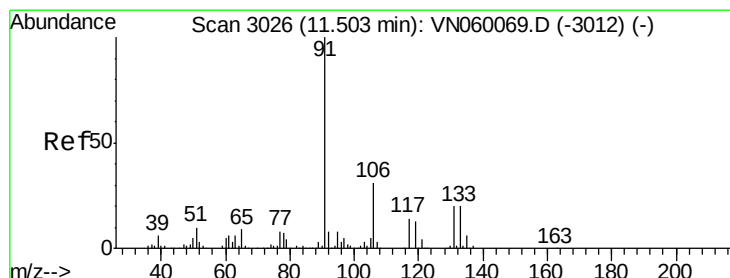
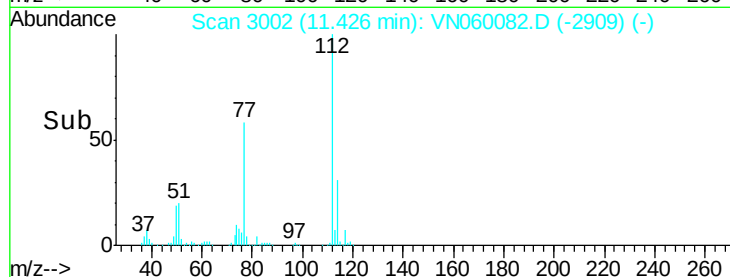
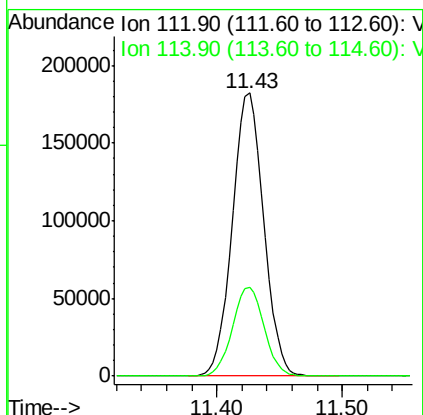
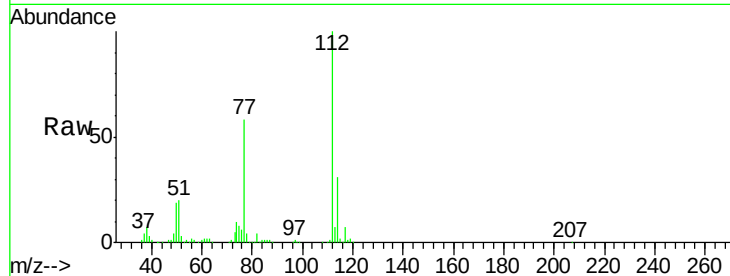
#65
Chlorobenzene
Concen: 48.893 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.4	38.0

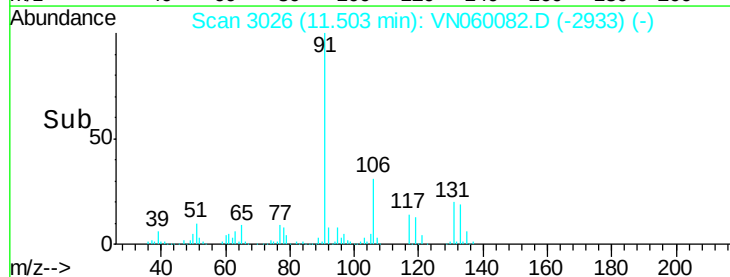
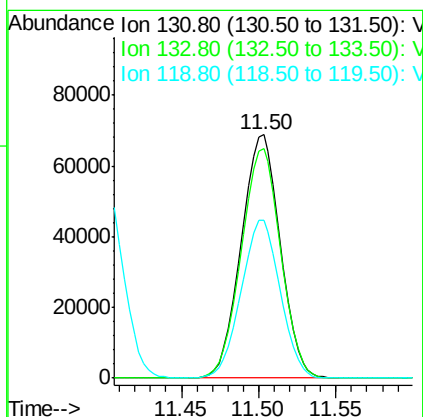
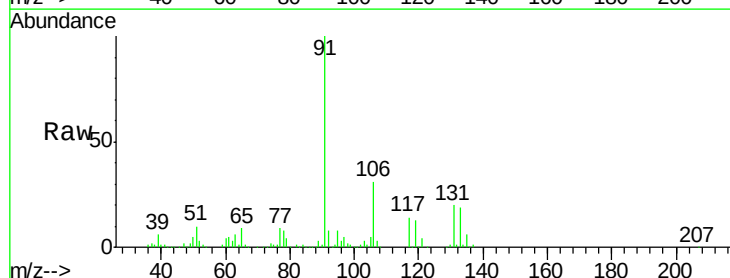
Manual Integrations
APPROVED

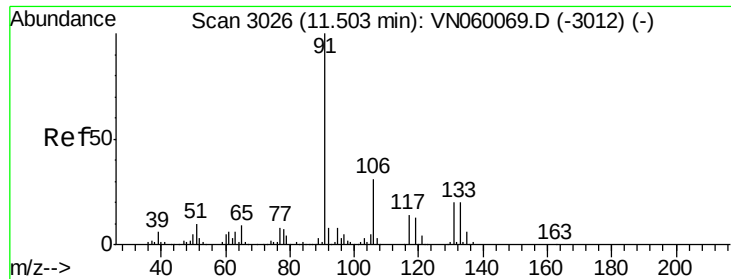
MMDadoda
2/14/2020 10:27:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.376 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.9	143.7
119	64.8	32.6	97.7





#67

Ethyl Benzene

Concen: 49.426 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 576812

Ion Ratio Lower Upper

91 100

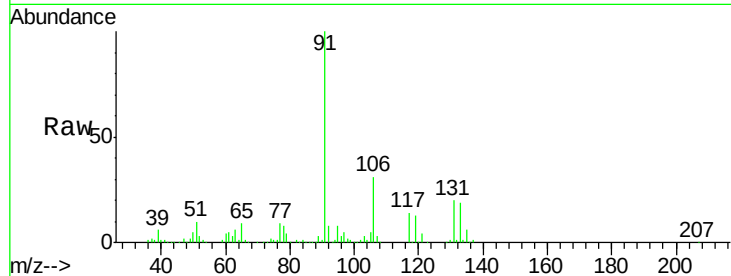
106 31.1 25.1 37.7

Manual Integrations

APPROVED

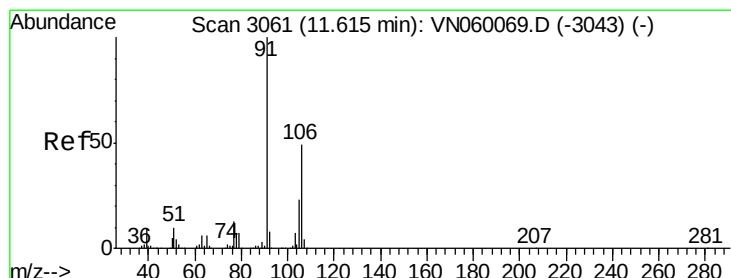
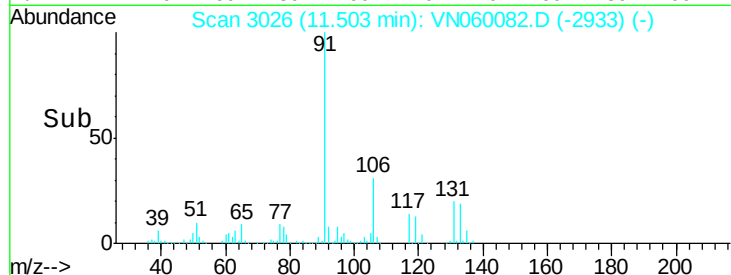
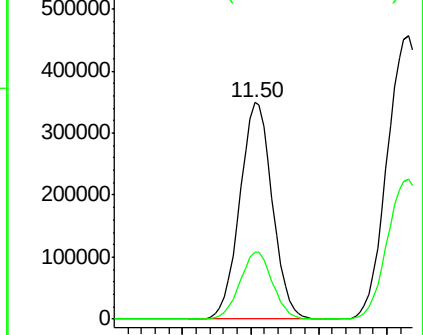
MMDadoda

2/14/2020 10:27:38 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN060069.D (-3012) (-)



#68

m/p-Xylenes

Concen: 100.152 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060082.D

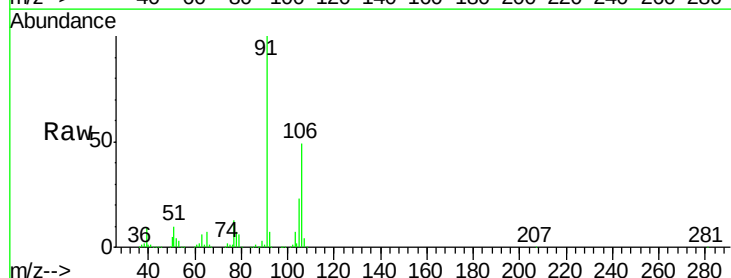
Acq: 13 Feb 2020 9:48

Tgt Ion: 106 Resp: 438671

Ion Ratio Lower Upper

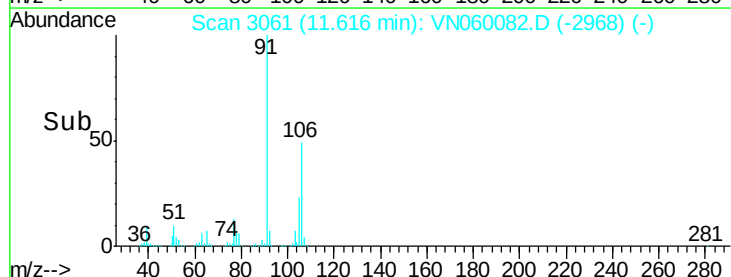
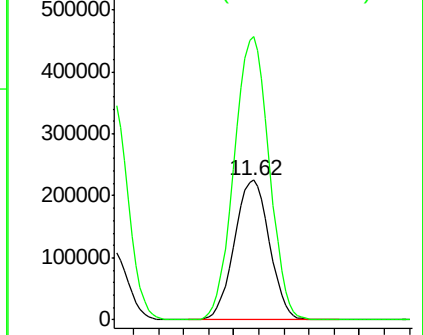
106 100

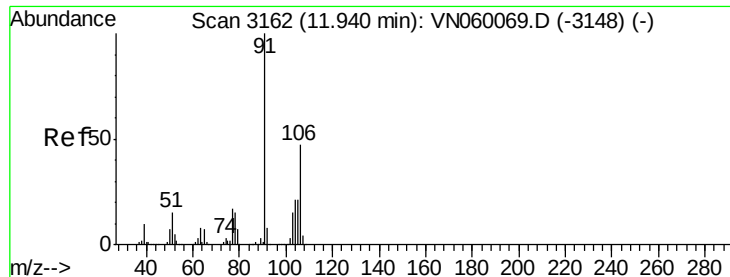
91 202.0 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060069.D (-3043) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-3043) (-)





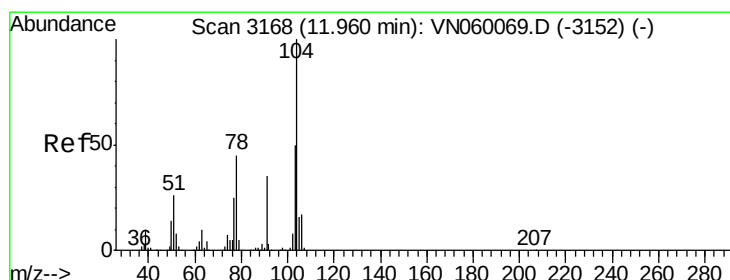
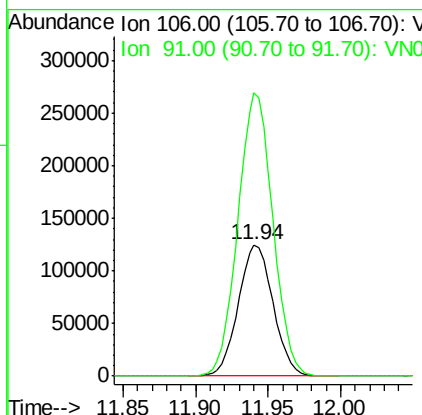
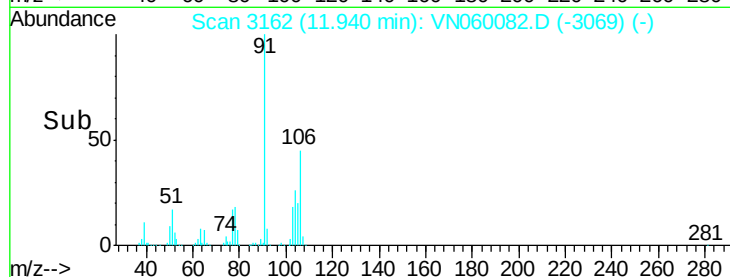
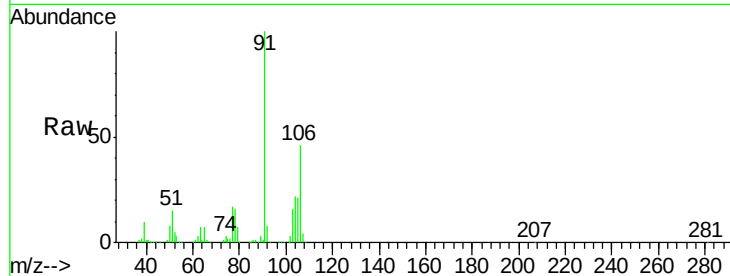
#69
o-Xylene
Concen: 49.259 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 207741
Ion Ratio Lower Upper
106 100
91 216.5 107.2 321.6

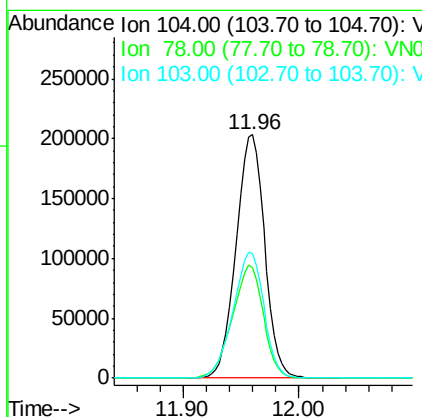
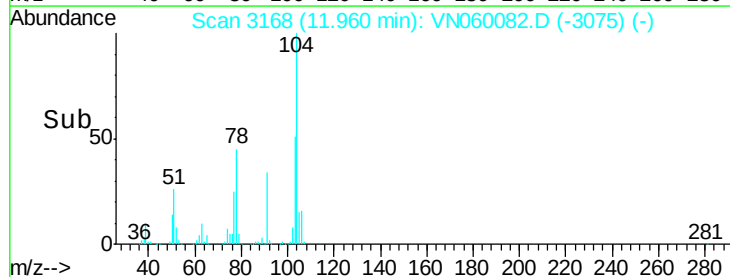
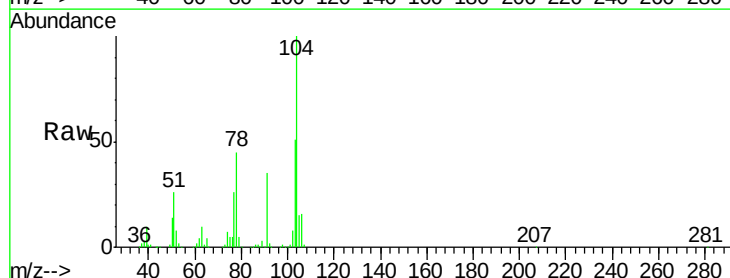
Manual Integrations
APPROVED

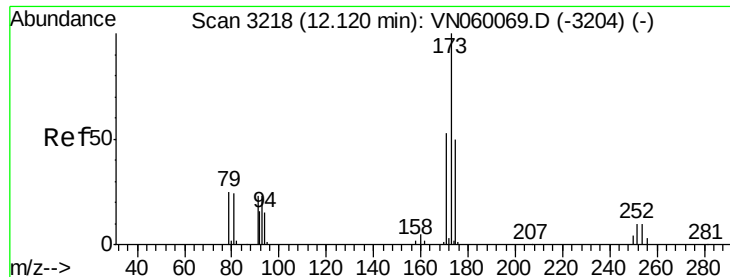
MMDadoda
2/14/2020 10:27:38 AM



#70
Styrene
Concen: 51.194 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion:104 Resp: 348155
Ion Ratio Lower Upper
104 100
78 50.2 40.2 60.2
103 55.7 44.3 66.5





#71

Bromoform

Concen: 51.188 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

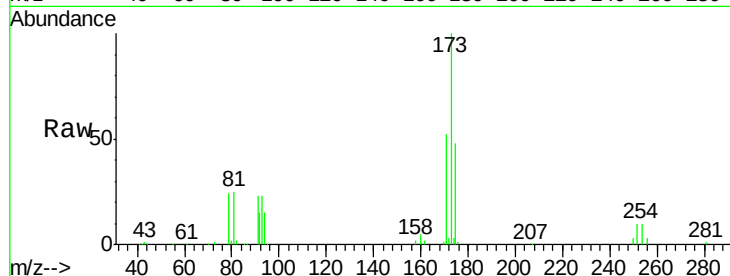
ClientSampleId :

VSTDCCC050

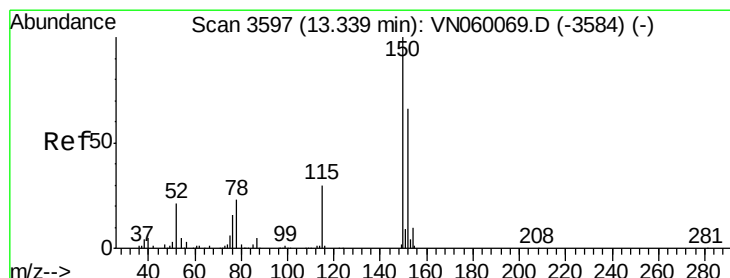
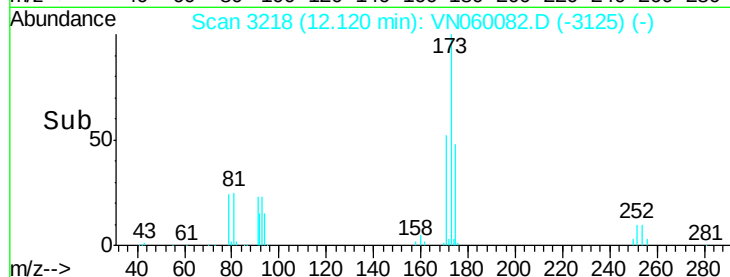
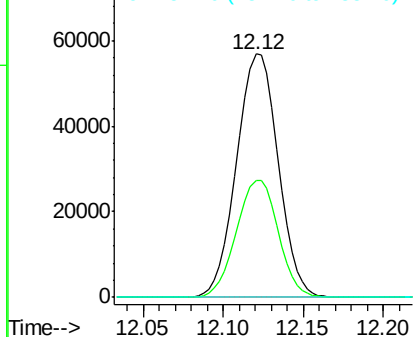
Tot Ion:	173	Resp:	100780
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.9	74.6
254	0.0	0.0	0.0

Manual Integrations
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2/14/2020 10:27:38 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

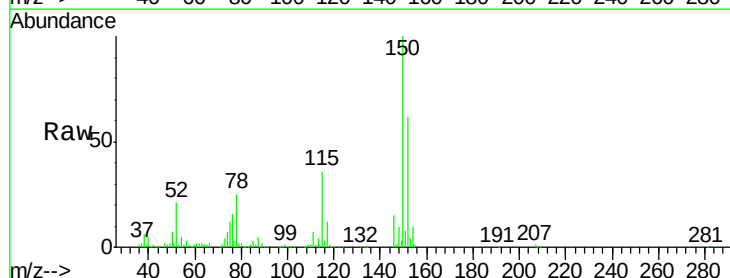
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

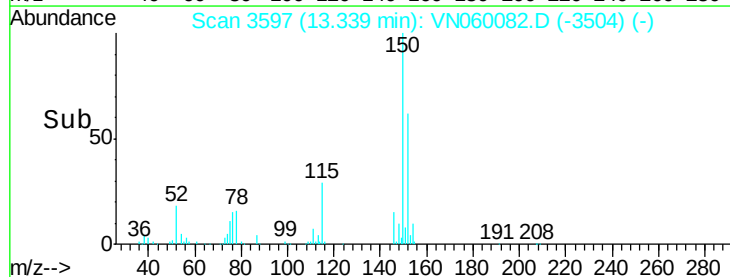
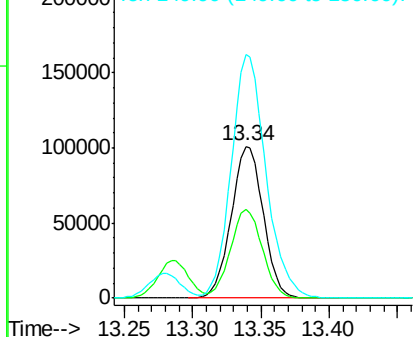
Lab File: VN060082.D

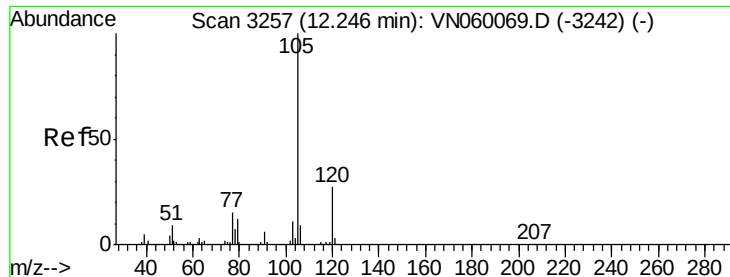
Acq: 13 Feb 2020 9:48

Tgt Ion:	152	Resp:	164224
Ion Ratio	Lower	Upper	
152	100		
115	58.6	28.9	86.8
150	174.4	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: 47.038 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 576849

Ion Ratio Lower Upper

105 100

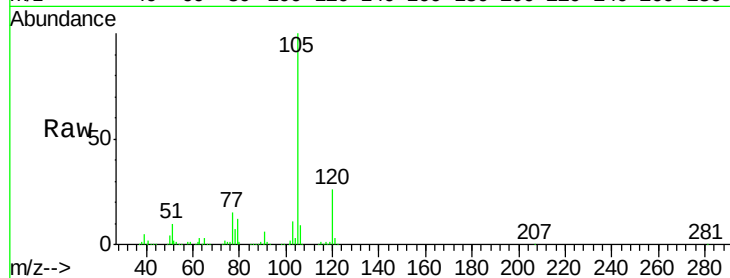
120 26.1 13.3 39.8

Manual Integrations

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MMDadoda

2/14/2020 10:27:38 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

400000

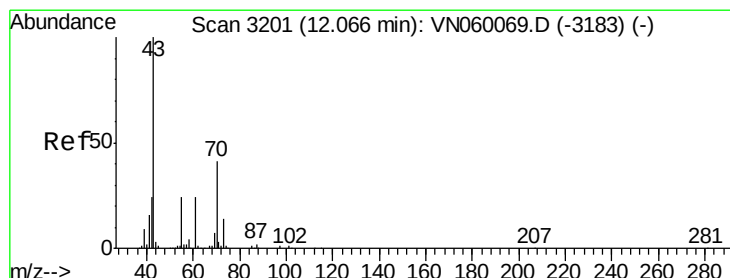
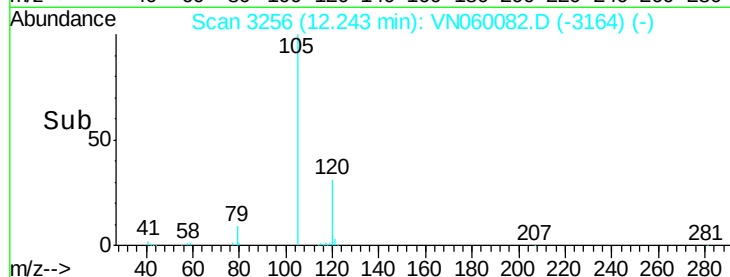
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 50.393 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Tgt Ion: 43 Resp: 222844

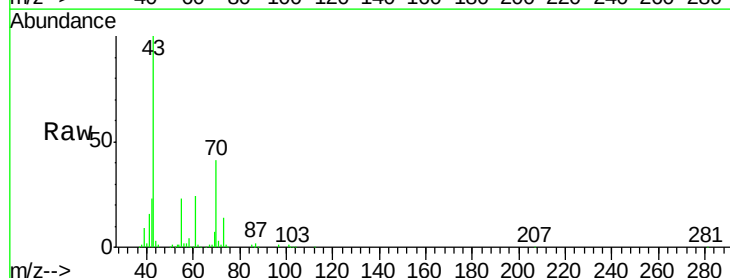
Ion Ratio Lower Upper

43 100

70 41.1 33.4 50.0

55 23.0 18.8 28.2

61 23.9 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

12.06

200000

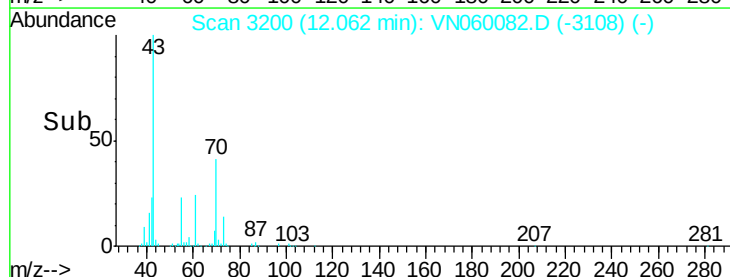
150000

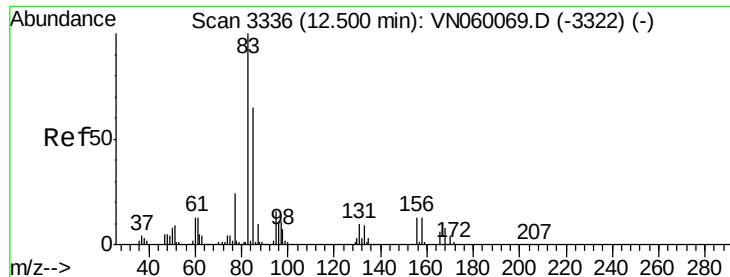
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.738 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

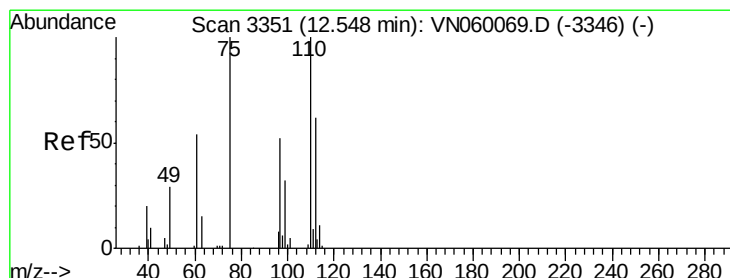
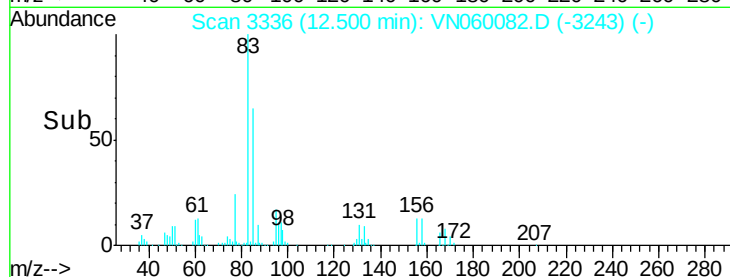
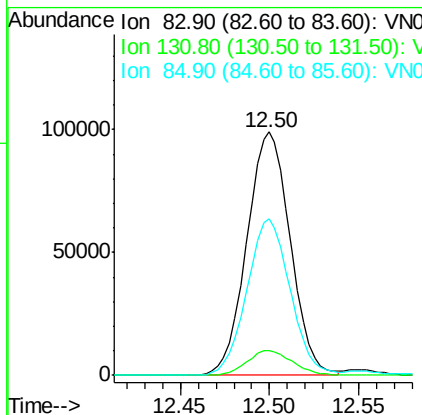
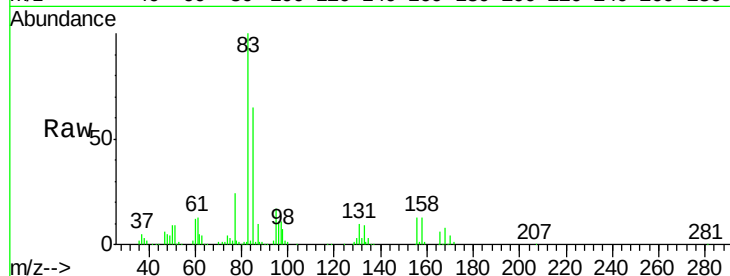
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	168507
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.2	15.6
85	64.1	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.909 ug/l m

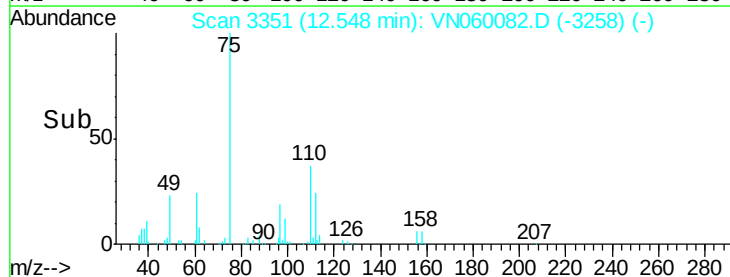
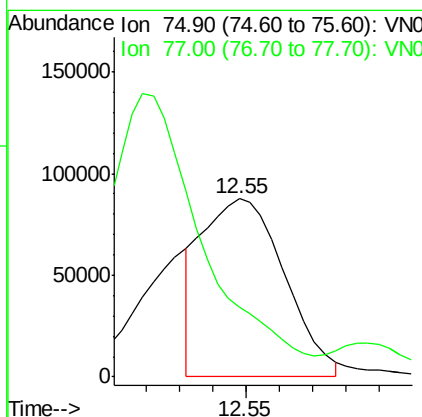
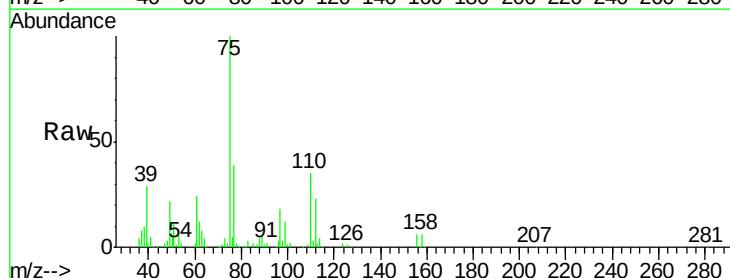
RT: 12.55 min Scan# 3351

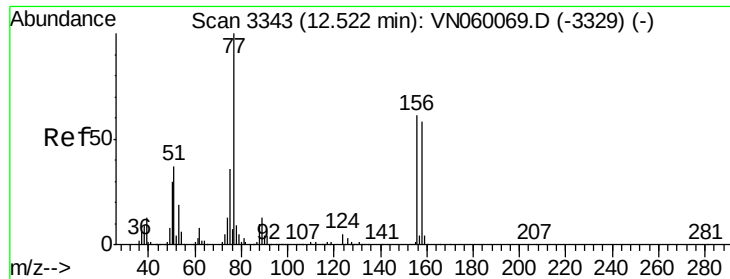
Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Tgt Ion:	75	Resp:	150527
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.240 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

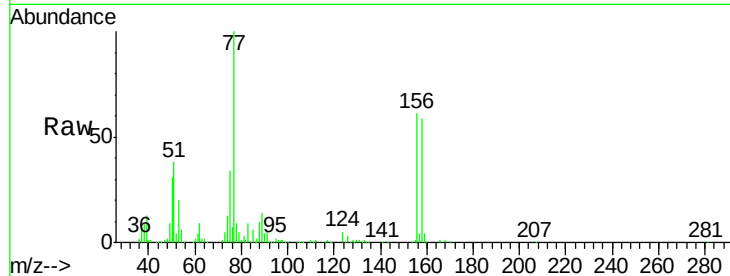
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	143769
Ion Ratio	Lower	Upper	
156	100		
77	197.3	98.7	296.1
158	96.7	48.1	144.4

Manual Integrations
APPROVED

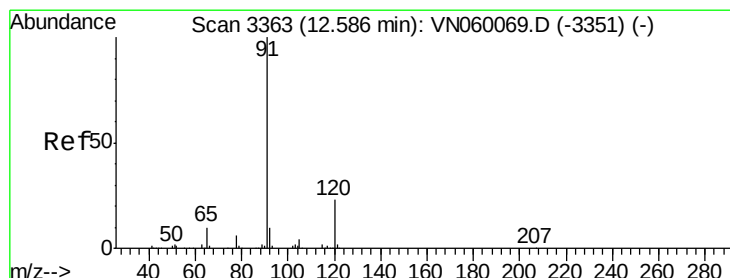
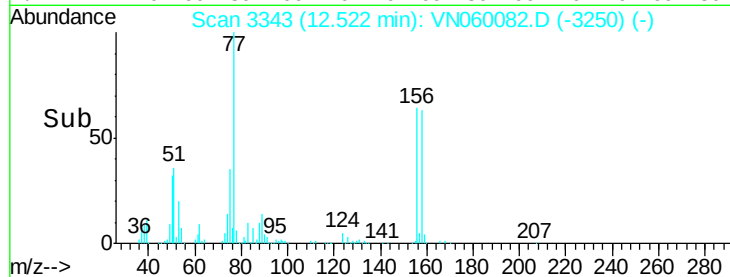
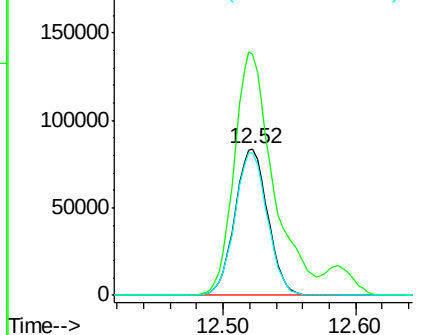
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.682 ug/l

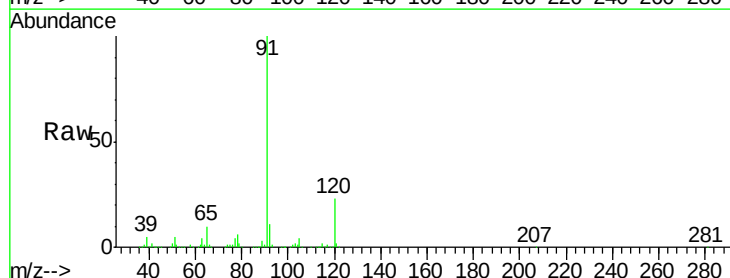
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060082.D

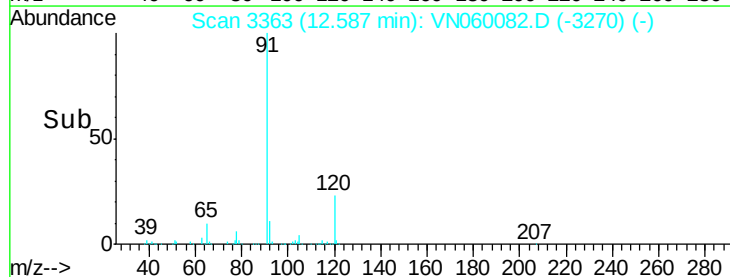
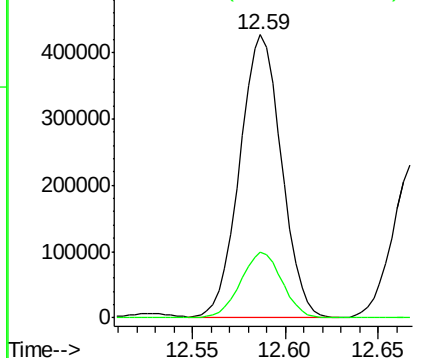
Acq: 13 Feb 2020 9:48

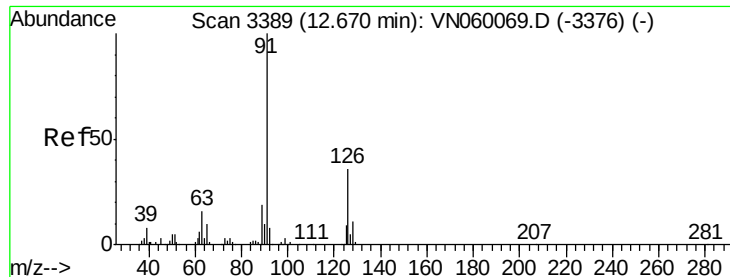
Tgt Ion:	91	Resp:	666221
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.818 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 384484

Ion Ratio Lower Upper

91 100

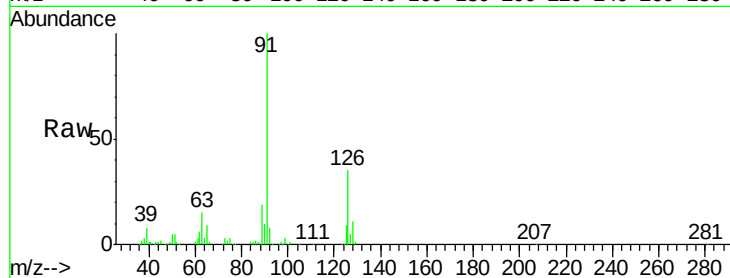
126 35.0 17.4 52.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3376) (-)

400000

300000

200000

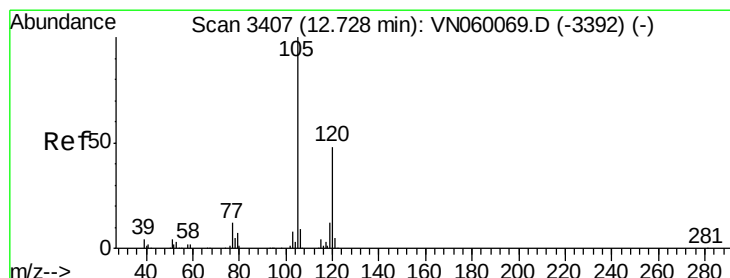
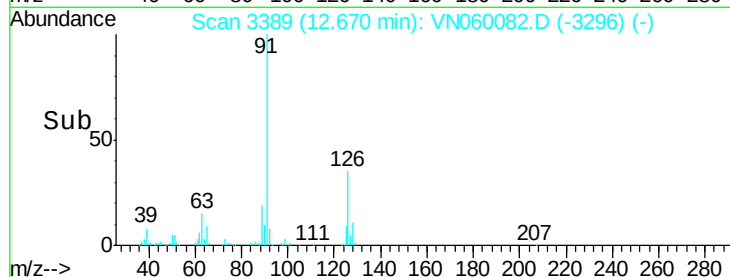
100000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.419 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060082.D

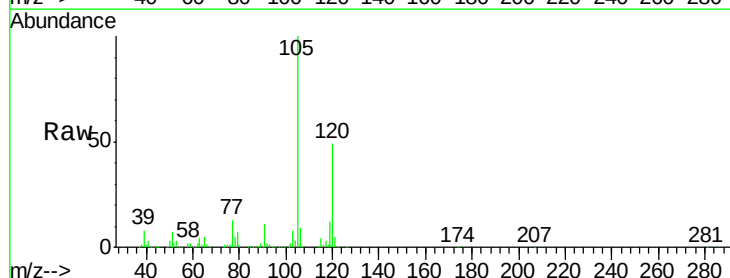
Acq: 13 Feb 2020 9:48

Tgt Ion: 105 Resp: 483503

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)

300000

200000

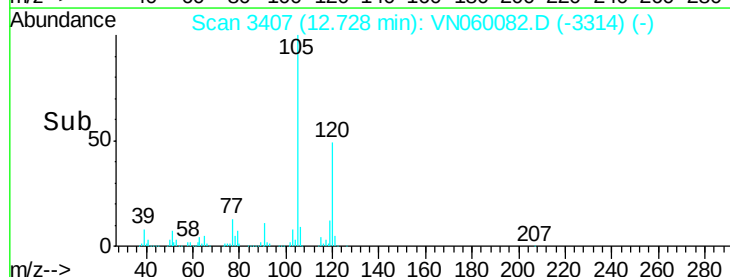
100000

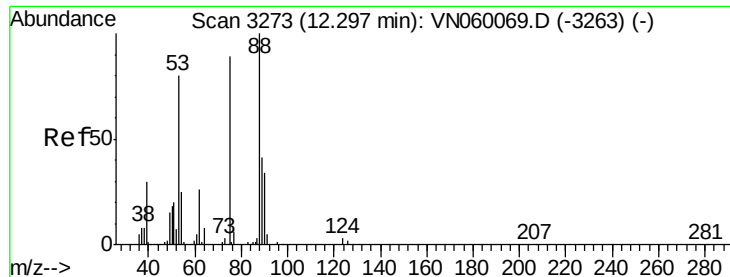
0

12.65 12.70 12.75 12.80

12.73

Time-->





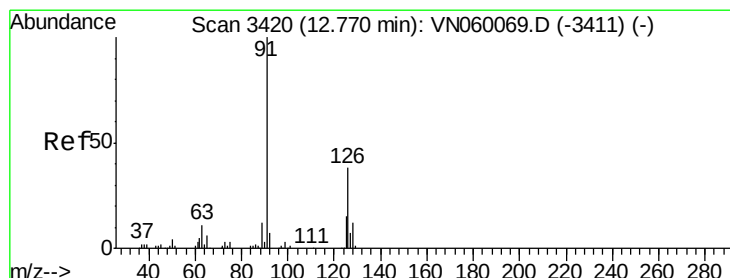
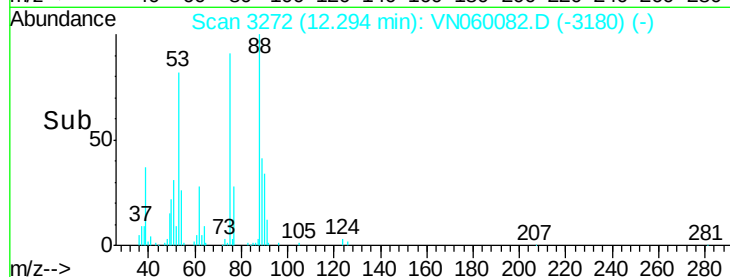
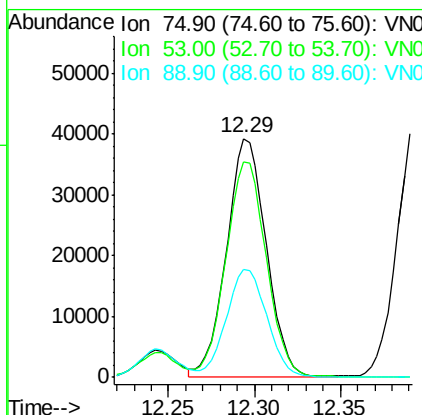
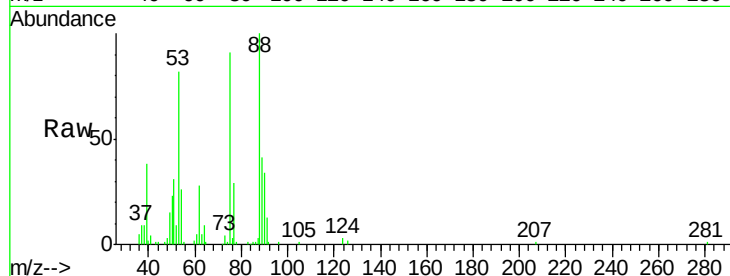
#81
trans-1,4-Dichloro-2-butene
Concen: 49.659 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	73.9	110.9
89	46.2	37.0	55.4

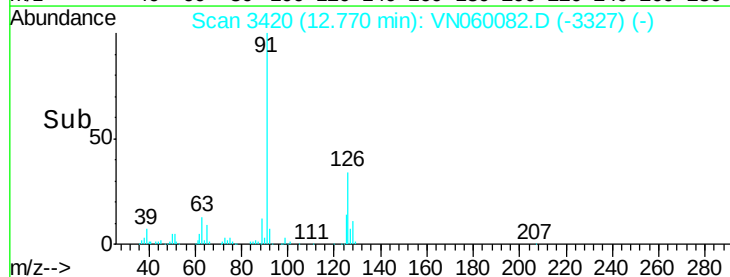
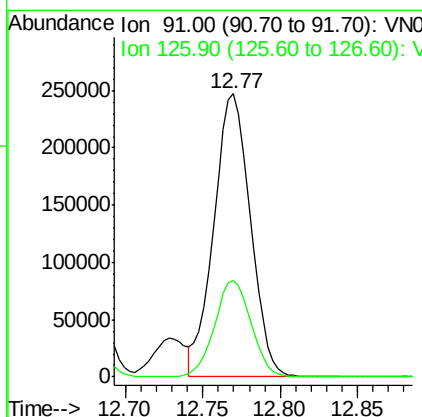
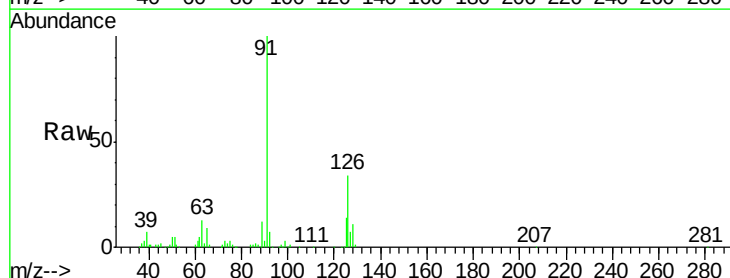
Manual Integrations
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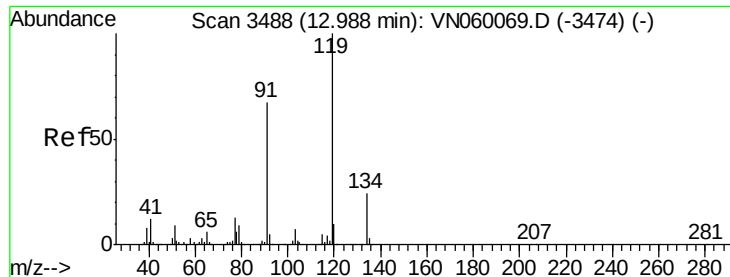
MMDadoda
2/14/2020 10:27:38 AM



#82
4-Chlorotoluene
Concen: 48.097 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.1	51.3





#83

tert-Butylbenzene

Concen: 46.235 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

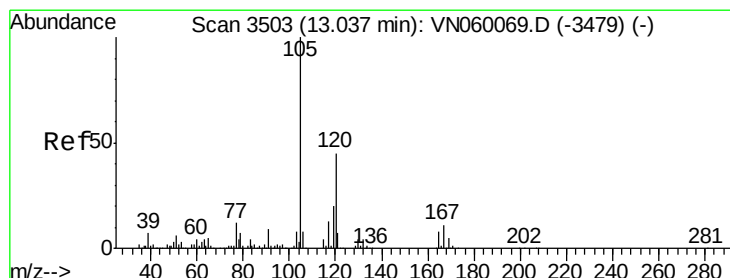
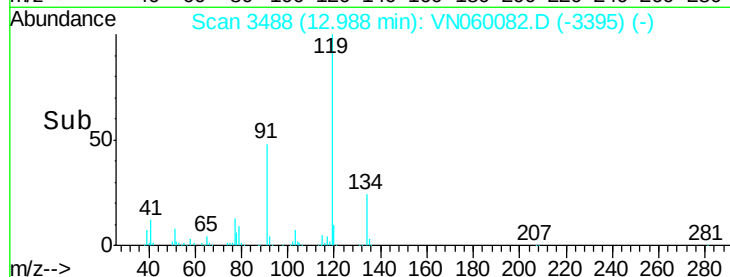
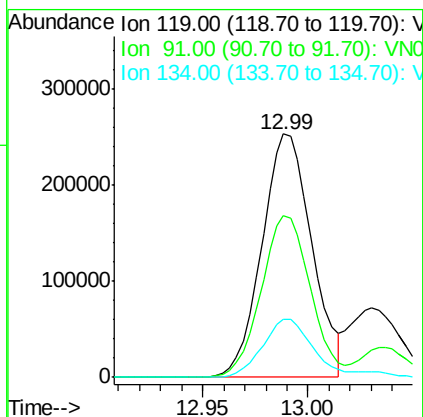
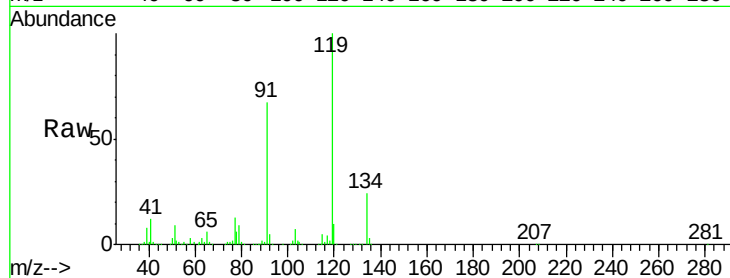
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	417040
Ion Ratio	Lower	Upper	
119	100		
91	65.4	32.7	98.1
134	23.8	12.9	38.7

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#84

1,2,4-Trimethylbenzene

Concen: 48.150 ug/l

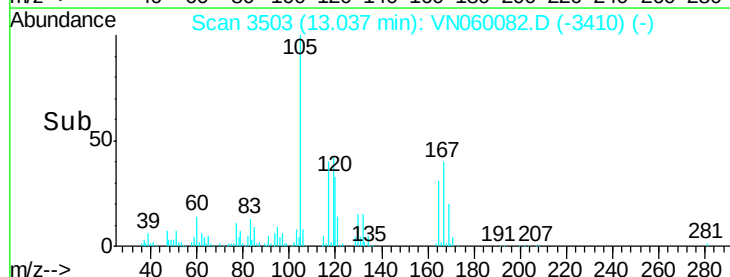
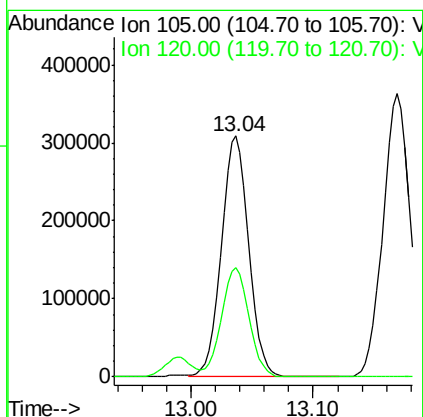
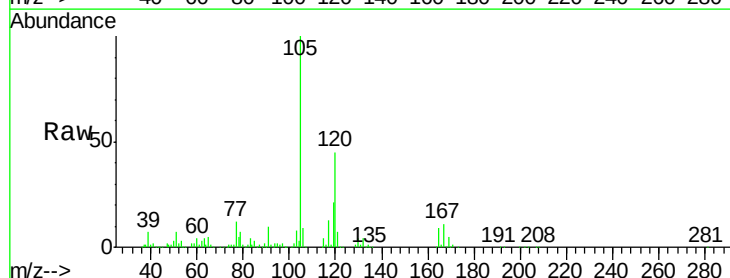
RT: 13.04 min Scan# 3503

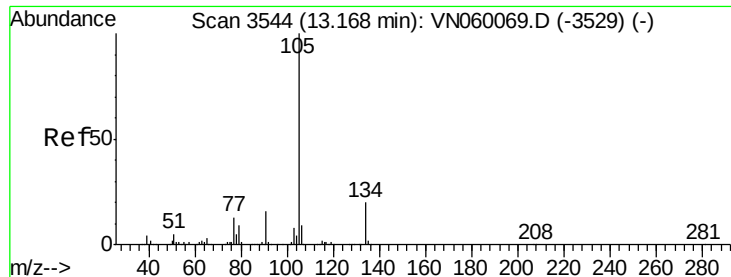
Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Tgt Ion:	105	Resp:	484640
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.4	67.3





#85

sec-Butylbenzene

Concen: 47.478 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

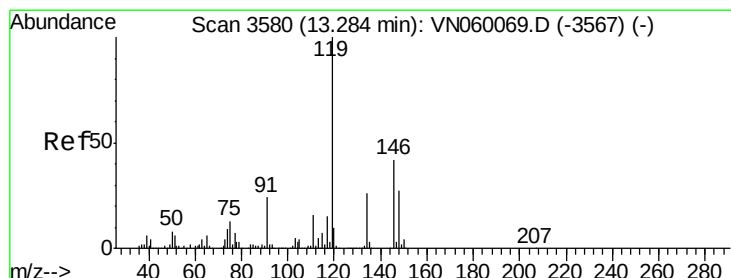
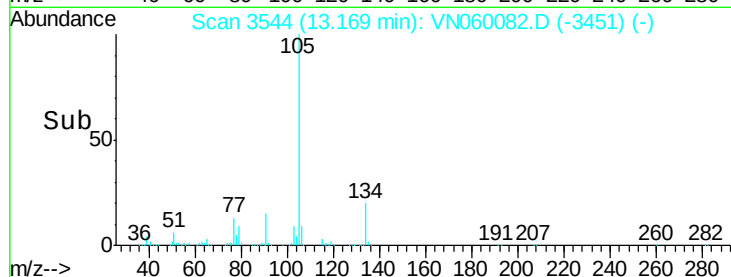
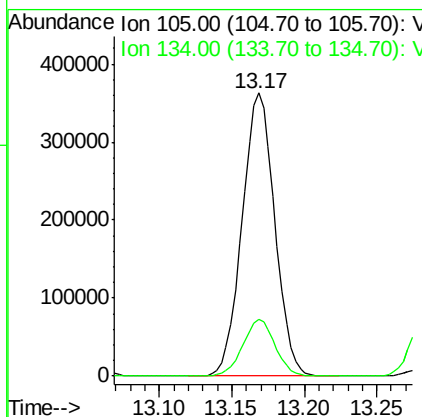
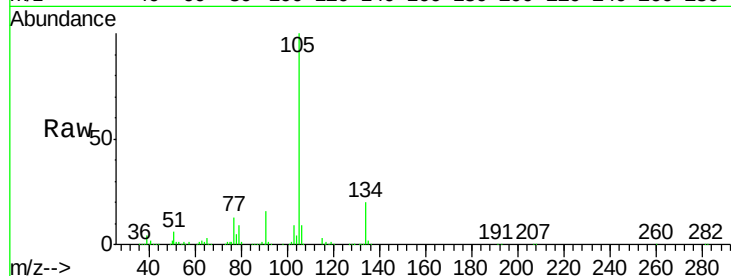
ClientSampleId :

VSTDCCC050

Tot Ion:	105	Resp:	567154
Ion Ratio	Lower	Upper	
105	100		
134	19.7	9.9	29.7

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 48.548 ug/l

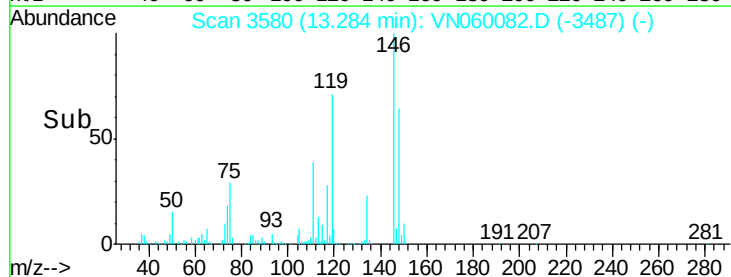
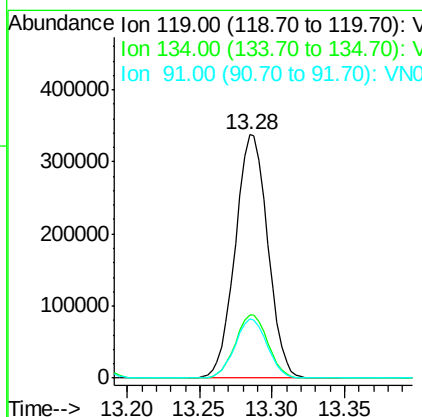
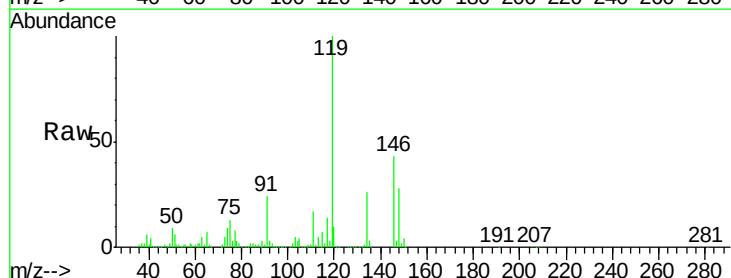
RT: 13.28 min Scan# 3580

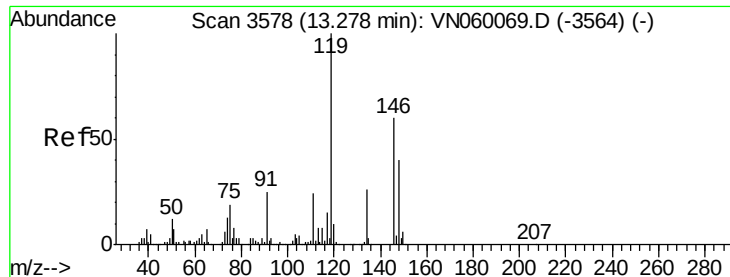
Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Tgt Ion:	119	Resp:	525443
Ion Ratio	Lower	Upper	
119	100		
134	26.2	13.3	39.8
91	24.0	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 49.114 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060082.D

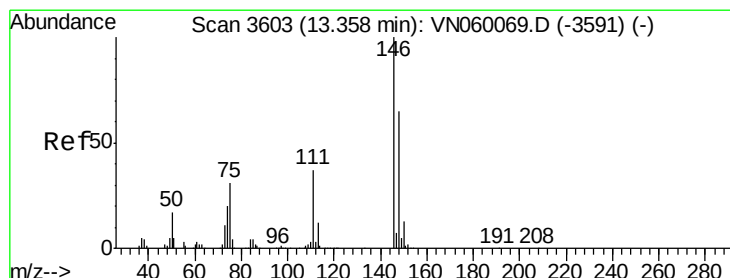
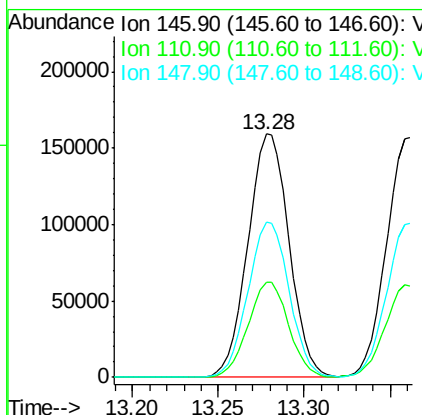
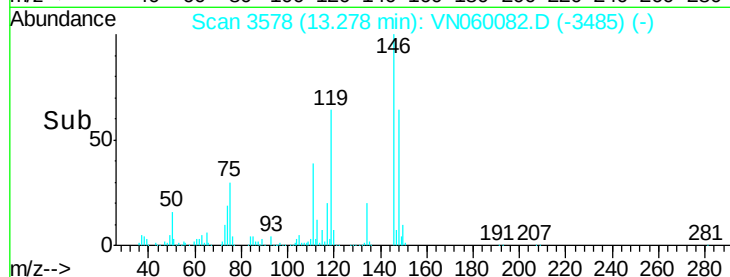
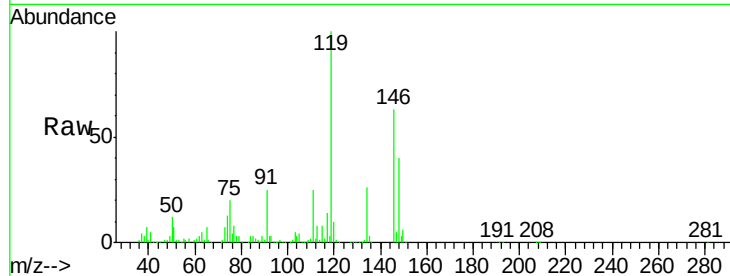
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.8	59.3
148	63.8	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.496 ug/l

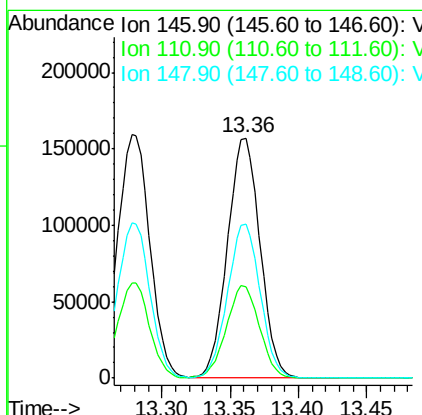
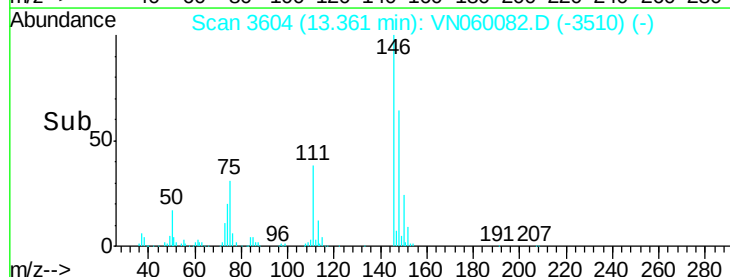
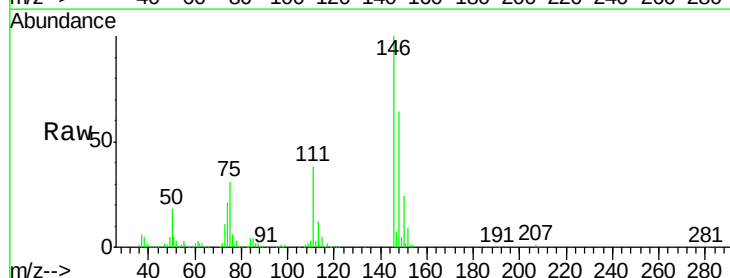
RT: 13.36 min Scan# 3604

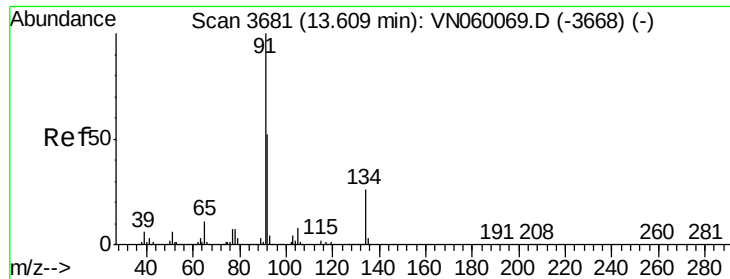
Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.9	56.5
148	64.5	32.0	96.0





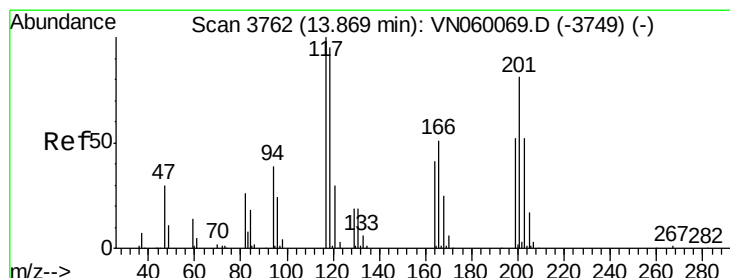
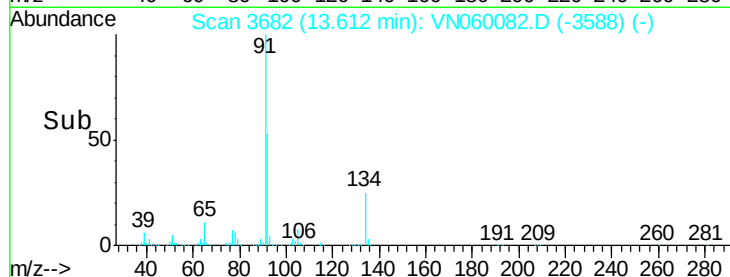
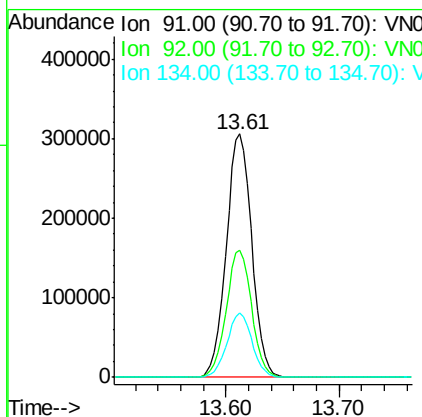
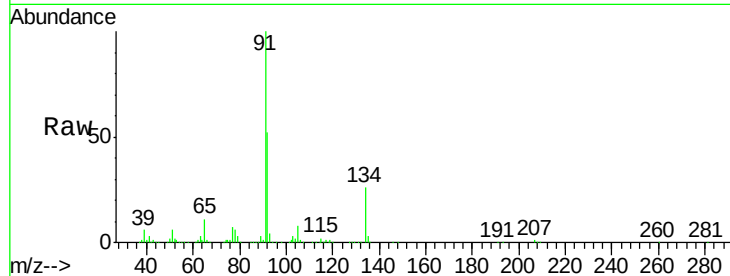
#89
n-Butylbenzene
Concen: 50.361 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.2
134	26.1	13.1	39.3

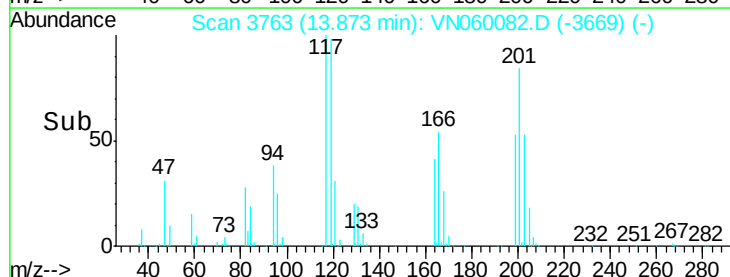
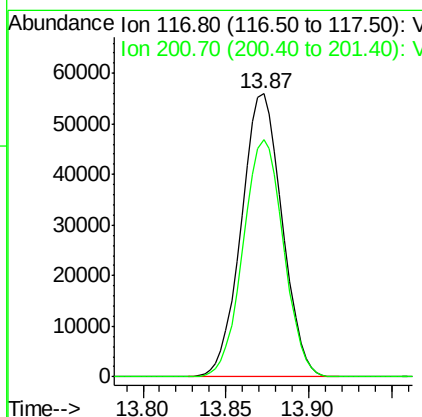
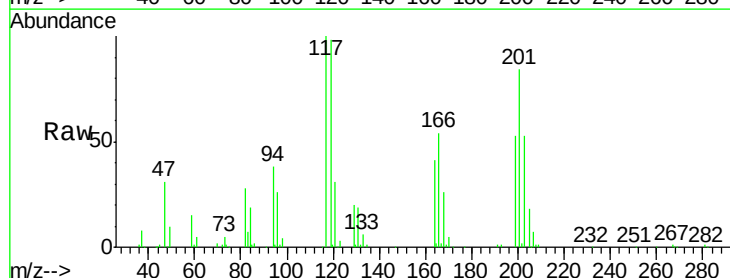
Manual Integrations
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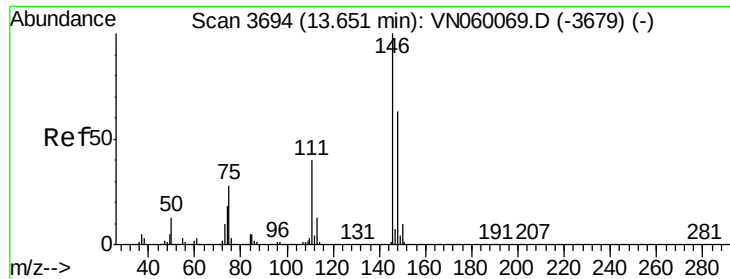
MMDadoda
2/14/2020 10:27:38 AM



#90
Hexachloroethane
Concen: 47.355 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 47.647 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

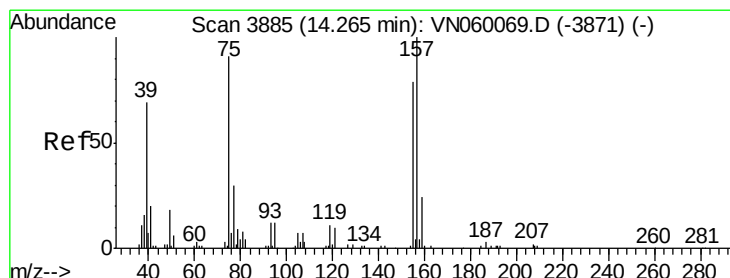
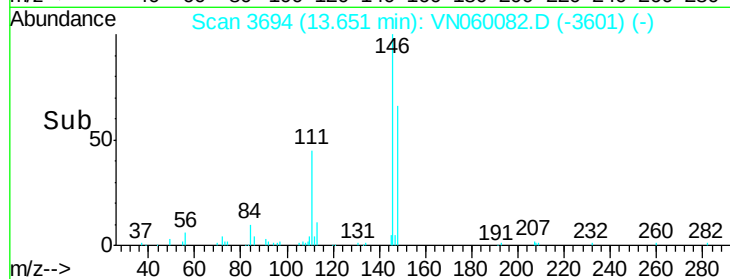
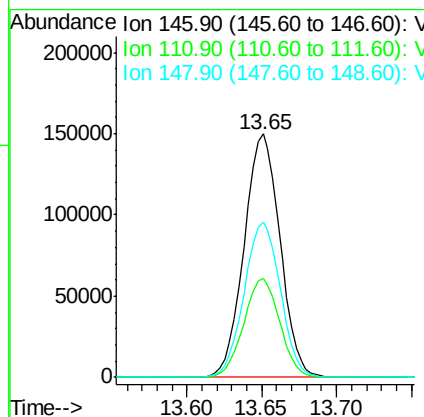
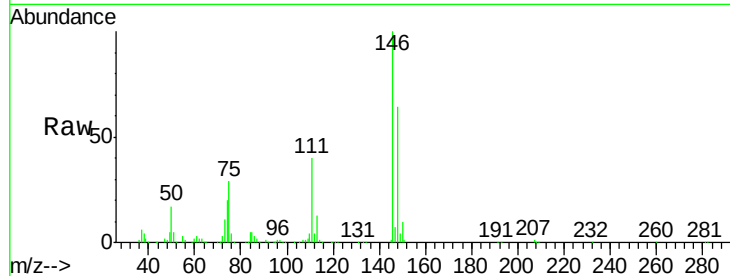
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	251199
Ion Ratio		Lower	Upper
146	100		
111	40.5	20.1	60.2
148	64.3	31.9	95.5

Manual Integrations
APPROVED

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2/14/2020 10:27:38 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.370 ug/l

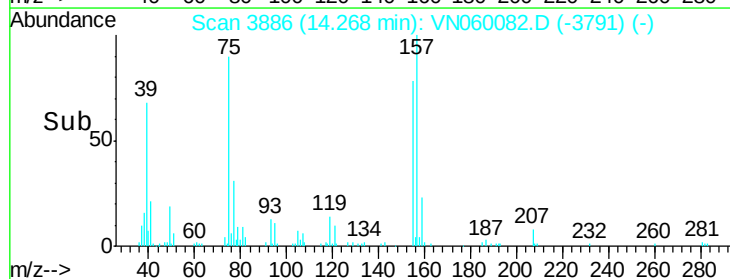
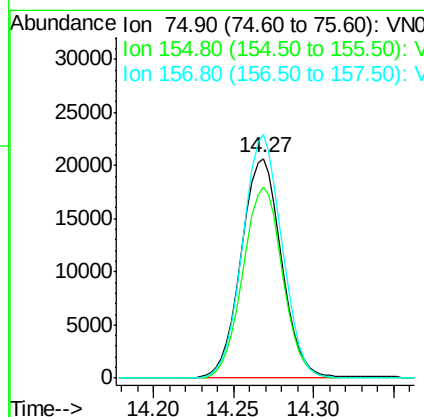
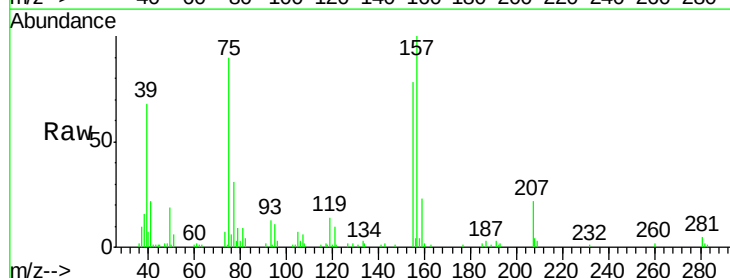
RT: 14.27 min Scan# 3886

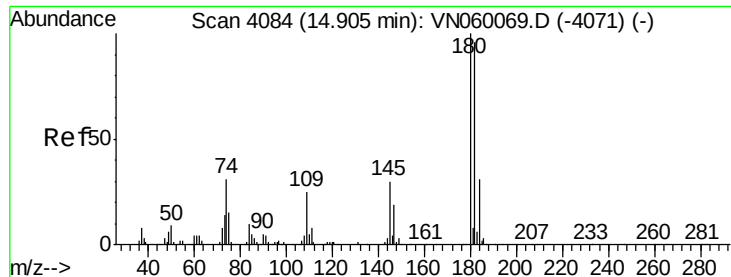
Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Tgt Ion:	75	Resp:	35583
Ion Ratio		Lower	Upper
75	100		
155	85.3	43.0	129.0
157	107.5	54.9	164.5





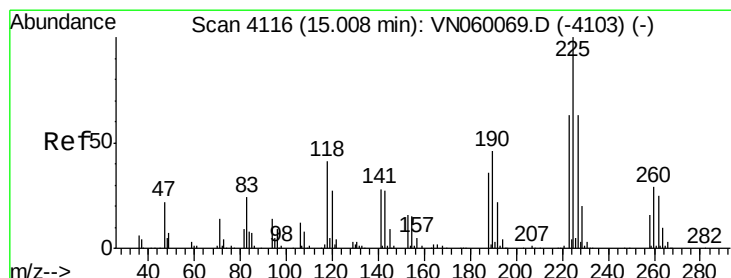
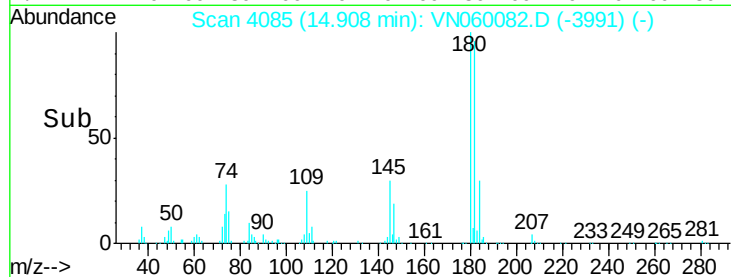
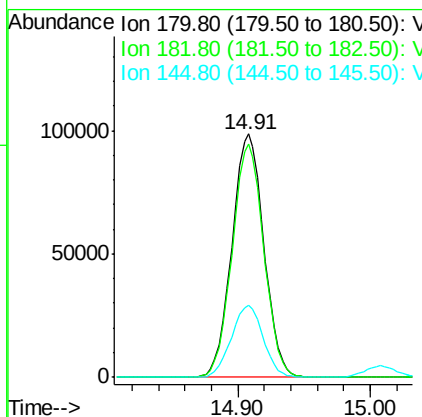
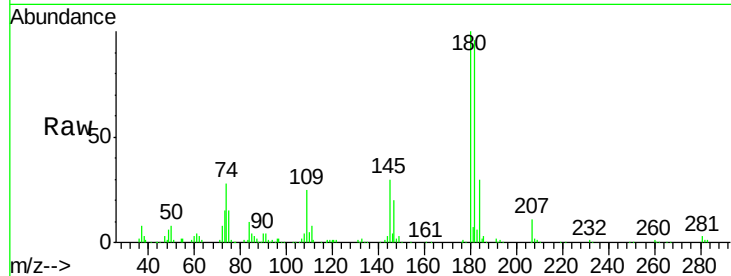
#93
 1,2,4-Trichlorobenzene
 Concen: 53.007 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	164202		
182	95.2	47.9	143.8	
145	29.6	15.2	45.5	

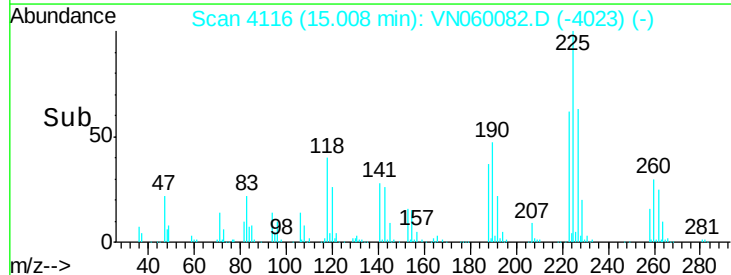
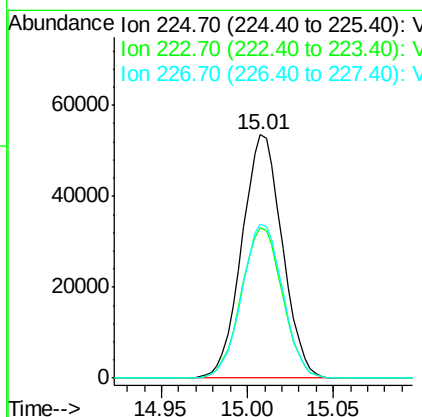
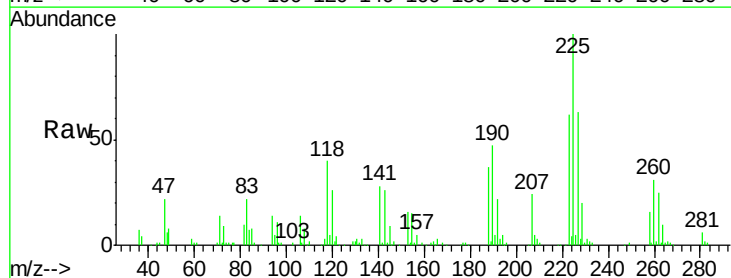
Manual Integrations
 APPROVED

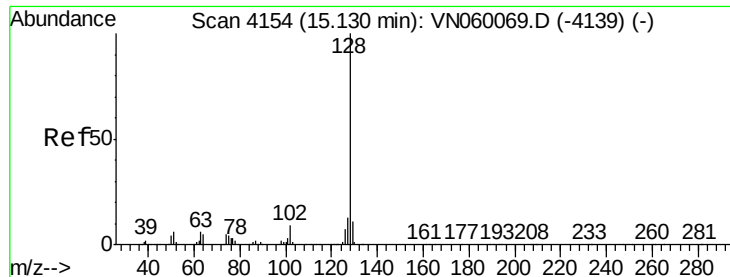
MMDadoda
 2/14/2020 10:27:38 AM



#94
 Hexachlorobutadiene
 Concen: 48.118 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87262		
223	63.1	31.5	94.5	
227	64.1	31.8	95.4	





#95

Naphthalene

Concen: 50.772 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

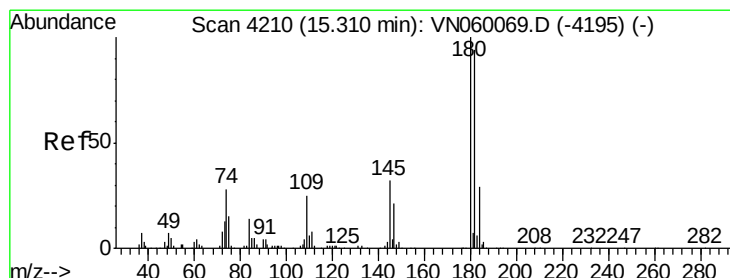
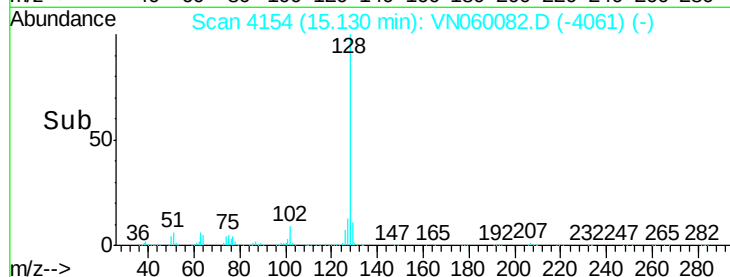
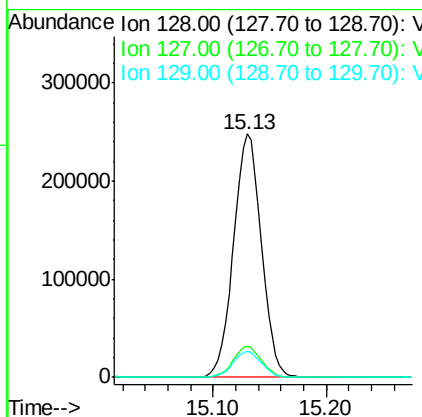
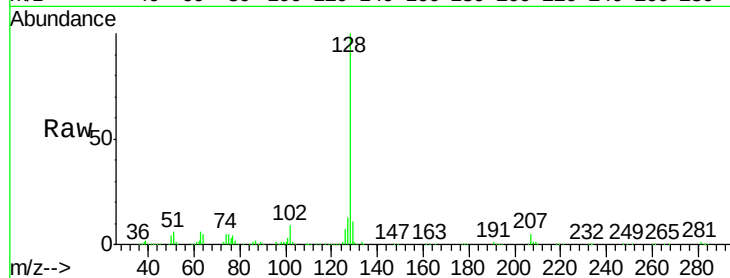
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	424855
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/14/2020 10:27:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.472 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Tgt Ion:	180	Resp:	152616
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.5	142.5
145	32.2	16.1	48.3

