

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060868.D
 Acq On : 7 Apr 2020 11:08
 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
 4/8/2020 9:39:24 AM

Quant Time: Apr 08 05:22:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	319806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	131500	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	7.56	113	99735	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	10.08	98	396004	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	147870	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	84747	44.615	ug/l	99
3) Chloromethane	2.04	50	148555	41.875	ug/l	100
4) Vinyl Chloride	2.17	62	118082	42.555	ug/l	97
5) Bromomethane	2.54	94	59852	49.967	ug/l	99
6) Chloroethane	2.68	64	74996	46.919	ug/l	98
7) Trichlorofluoromethane	3.00	101	161489	47.244	ug/l	100
8) Diethyl Ether	3.38	74	67830	49.398	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	98988	49.978	ug/l	99
10) Methyl Iodide	3.92	142	77235	43.823	ug/l	99
11) Tert butyl alcohol	4.72	59	94598	238.681	ug/l	100
12) 1,1-Dichloroethene	3.71	96	98972	46.565	ug/l	99
13) Acrolein	3.57	56	100651	229.138	ug/l	100
14) Allyl chloride	4.29	41	182266	48.758	ug/l	98
15) Acrylonitrile	4.94	53	296929	254.773	ug/l	99
16) Acetone	3.78	43	278345	291.584	ug/l	100
17) Carbon Disulfide	4.03	76	275682	42.648	ug/l	100
18) Methyl Acetate	4.28	43	142832	53.158	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	356173	48.741	ug/l	98
20) Methylene Chloride	4.52	84	112616	47.957	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	105856	46.730	ug/l	94
22) Diisopropyl ether	5.91	45	405001	51.281	ug/l	98
23) Vinyl Acetate	5.85	43	1663926	258.220	ug/l	99
24) 1,1-Dichloroethane	5.81	63	213495	49.588	ug/l	100
25) 2-Butanone	6.79	43	411647	266.490	ug/l	97
26) 2,2-Dichloropropane	6.79	77	180929	53.412	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	124671	48.431	ug/l	99
28) Bromochloromethane	7.16	49	103816	50.399	ug/l	98
29) Tetrahydrofuran	7.17	42	269709	246.775	ug/l	98
30) Chloroform	7.34	83	203962	49.416	ug/l	99
31) Cyclohexane	7.63	56	197216	45.436	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	174537	49.053	ug/l	98
36) 1,1-Dichloropropene	7.77	75	155739	50.292	ug/l	99
37) Ethyl Acetate	6.89	43	167832	50.158	ug/l	100
38) Carbon Tetrachloride	7.75	117	141154	50.858	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	189869	51.594	ug/l	98
40) Benzene	8.02	78	467223	49.980	ug/l	100
41) Methacrylonitrile	7.15	41	83164m	58.238	ug/l	
42) 1,2-Dichloroethane	8.10	62	162750	50.943	ug/l	100
43) Isopropyl Acetate	8.14	43	284595	51.573	ug/l	100
44) Trichloroethene	8.81	130	119150	50.561	ug/l	99
45) 1,2-Dichloropropane	9.10	63	129940	52.678	ug/l	98
46) Dibromomethane	9.19	93	75915	50.906	ug/l	98
47) Bromodichloromethane	9.38	83	161007	51.957	ug/l	99
48) Methyl methacrylate	9.18	41	124991	50.873	ug/l	99
49) 1,4-Dioxane	9.17	88	30580	1047.144	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	837019	266.553	ug/l	99
52) Toluene	10.14	92	288082	51.027	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	188368	52.919	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	203550	52.125	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	112474	51.784	ug/l	98
56) Ethyl methacrylate	10.42	69	180540	53.310	ug/l	99
57) 1,3-Dichloropropane	10.70	76	196008	52.005	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	428187	254.391	ug/l	100
59) 2-Hexanone	10.74	43	606813	268.261	ug/l	100
60) Dibromochloromethane	10.89	129	119273	53.163	ug/l	99
61) 1,2-Dibromoethane	10.99	107	114133	52.258	ug/l	100
64) Tetrachloroethene	10.62	164	112692	48.853	ug/l	99
65) Chlorobenzene	11.42	112	296579	51.036	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	108866	51.741	ug/l	99
67) Ethyl Benzene	11.50	91	557551	51.592	ug/l	100
68) m/p-Xylenes	11.61	106	413062	102.857	ug/l	99
69) o-Xylene	11.94	106	196371	51.223	ug/l	99
70) Styrene	11.96	104	329621	52.572	ug/l	100
71) Bromoform	12.12	173	85909	49.156	ug/l #	100
73) Isopropylbenzene	12.24	105	536246	49.521	ug/l	100
74) N-amyl acetate	12.06	43	246770	49.316	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	164455	50.220	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	150829m	48.442	ug/l	
77) Bromobenzene	12.52	156	126397	48.440	ug/l	99
78) n-propylbenzene	12.59	91	642352	50.210	ug/l	100
79) 2-Chlorotoluene	12.67	91	372053	48.672	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	456722	49.700	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	60974	50.296	ug/l	98
82) 4-Chlorotoluene	12.77	91	385914	49.569	ug/l	99
83) tert-Butylbenzene	12.99	119	380788	49.986	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	455840	50.141	ug/l	100
85) sec-Butylbenzene	13.17	105	529062	51.647	ug/l	100
86) p-Isopropyltoluene	13.28	119	475425	51.612	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	232838	50.594	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	232396	50.262	ug/l	99
89) n-Butylbenzene	13.61	91	450355	54.152	ug/l	100
90) Hexachloroethane	13.87	117	73990	55.259	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	225213	51.179	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32964	48.049	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	145502	53.843	ug/l	99
94) Hexachlorobutadiene	15.01	225	74469	56.214	ug/l	98
95) Naphthalene	15.13	128	401940	49.451	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	137455	51.641	ug/l	100

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

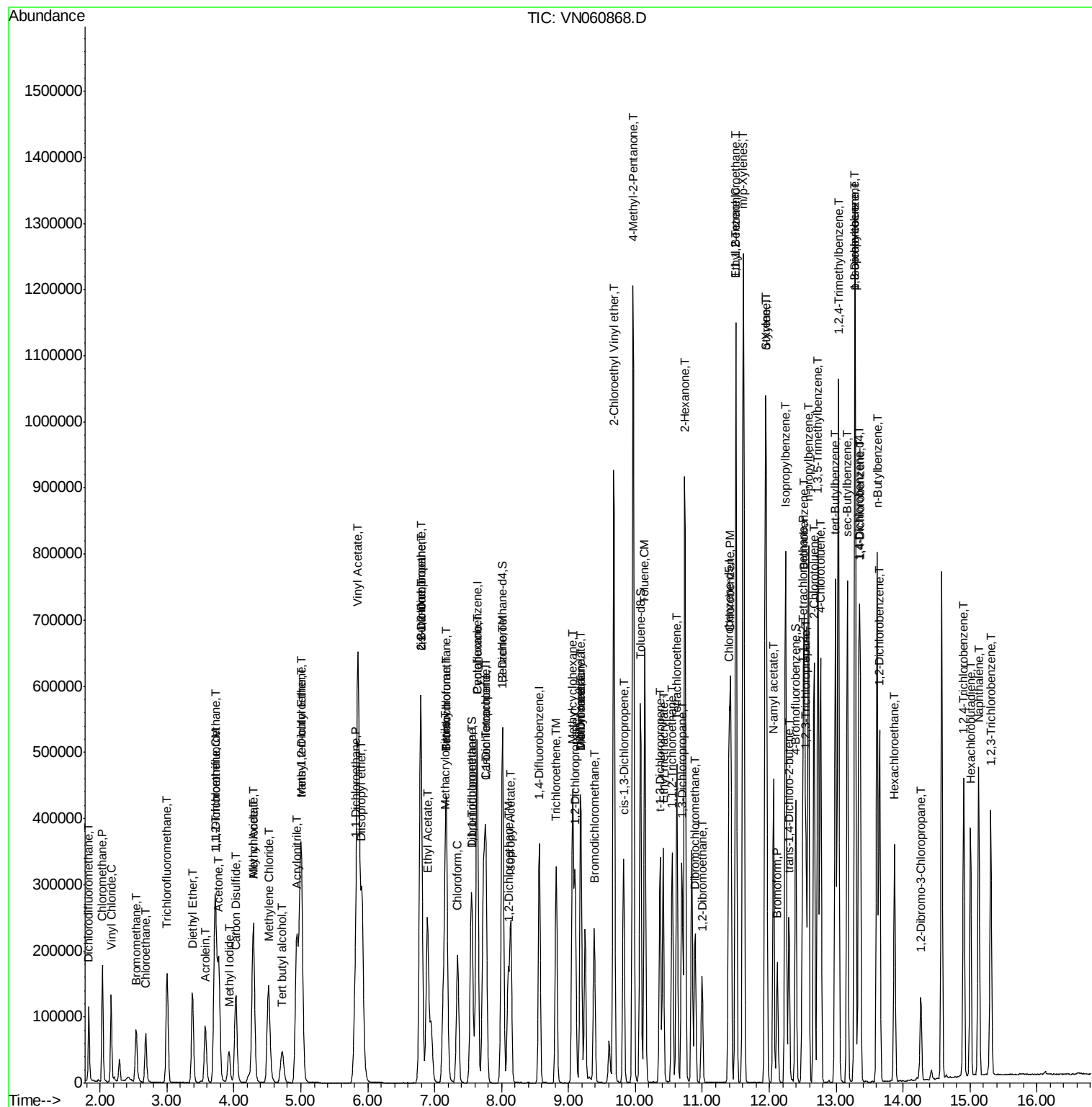
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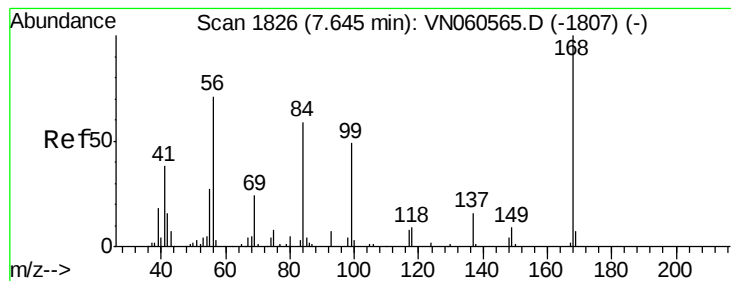
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 196312

Ion Ratio Lower Upper

168 100

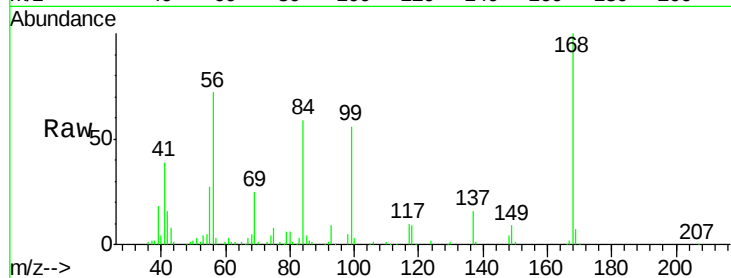
99 56.3 44.0 66.0

Manual Integrations

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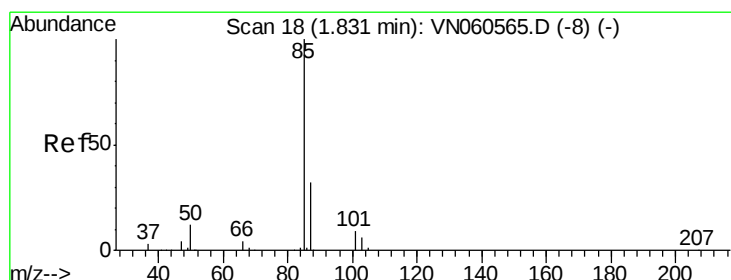
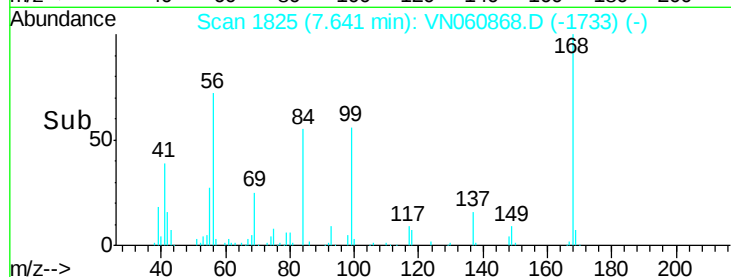
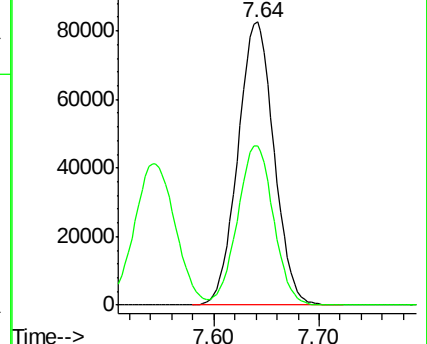
MMDadoda

4/8/2020 9:39:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.615 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060868.D

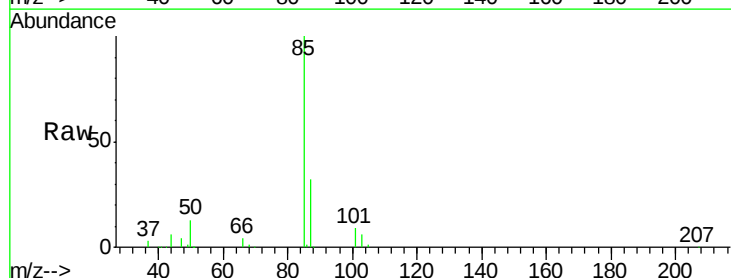
Acq: 7 Apr 2020 11:08

Tgt Ion: 85 Resp: 84747

Ion Ratio Lower Upper

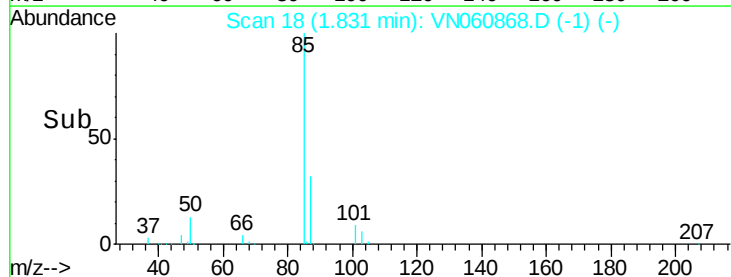
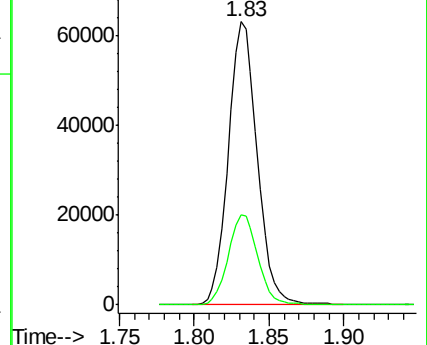
85 100

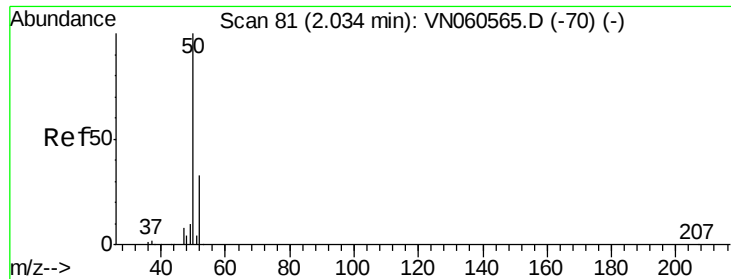
87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.875 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 148555

Ion Ratio Lower Upper

50 100

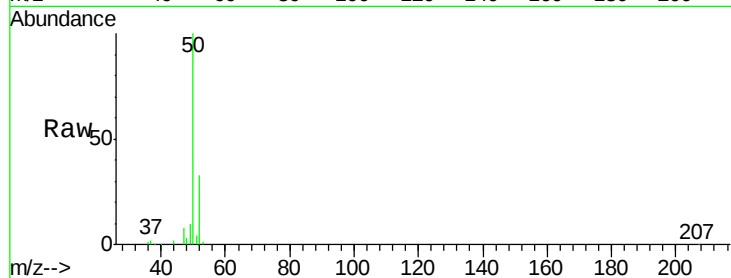
52 32.7 26.2 39.2

Manual Integrations

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MMDadoda

4/8/2020 9:39:24 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

120000

100000

80000

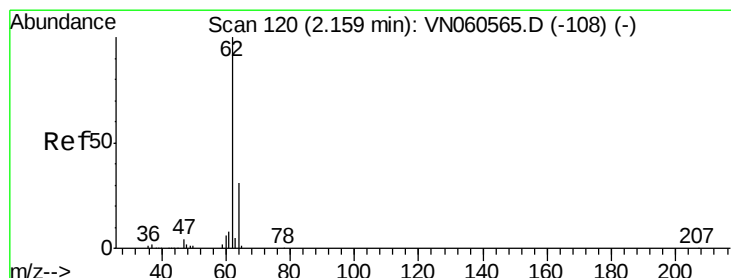
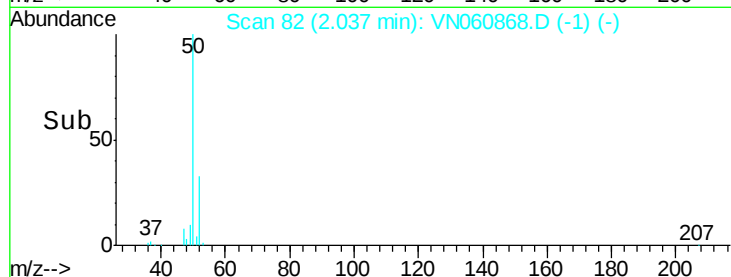
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 42.555 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060868.D

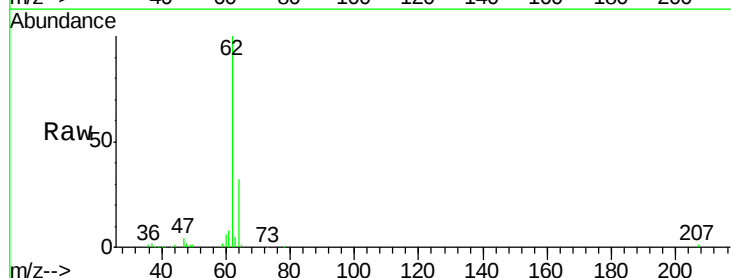
Acq: 7 Apr 2020 11:08

Tgt Ion: 62 Resp: 118082

Ion Ratio Lower Upper

62 100

64 32.5 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

80000

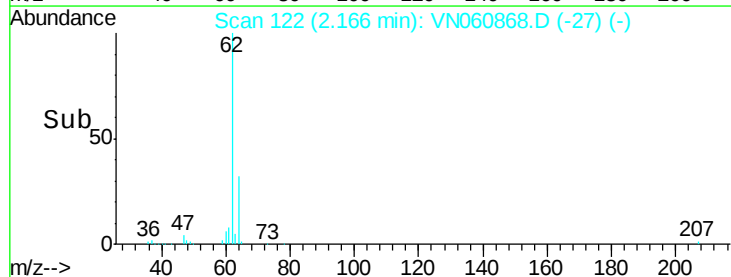
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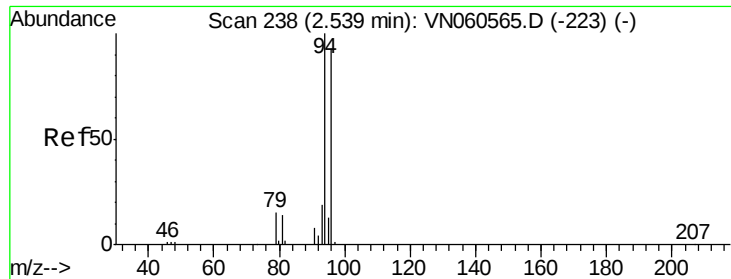
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 49.967 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

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VSTDCCC050

Tot Ion: 94 Resp: 59852

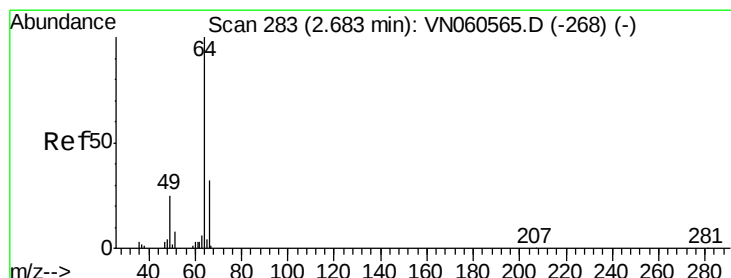
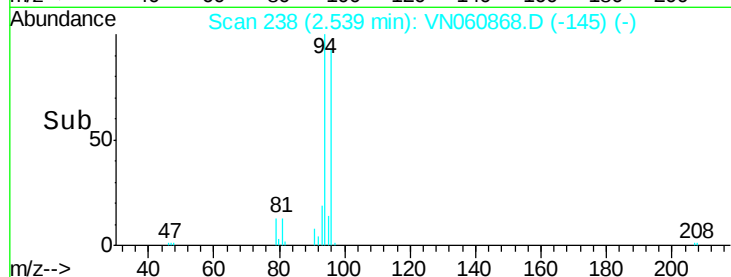
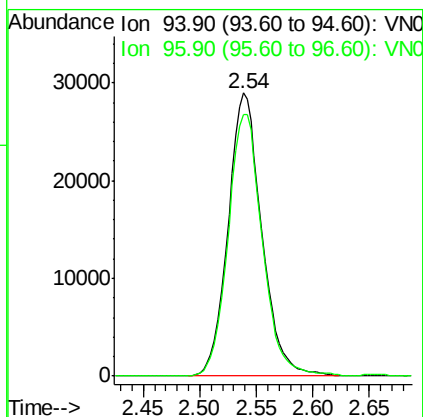
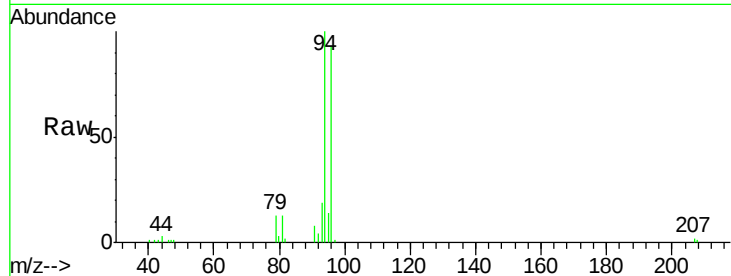
Ion Ratio Lower Upper

94 100

96 92.6 74.6 112.0

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#6

Chloroethane

Concen: 46.919 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

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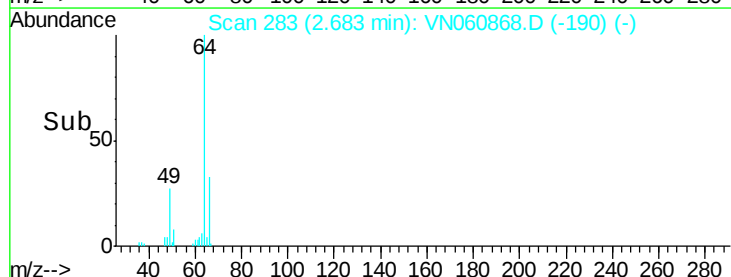
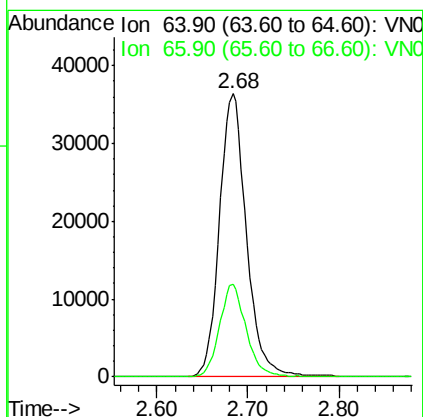
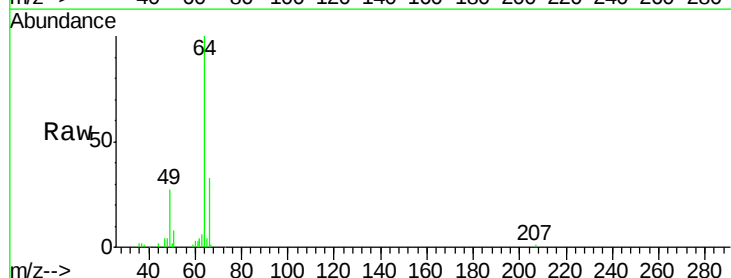
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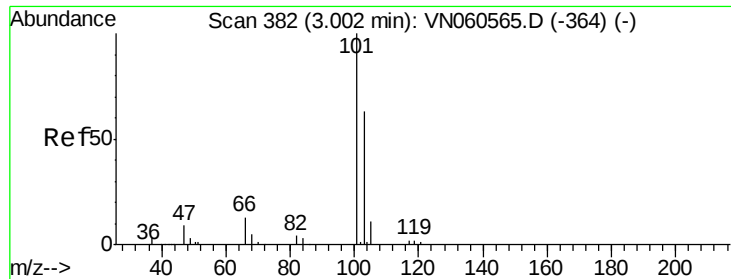
Tgt Ion: 64 Resp: 74996

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9





#7

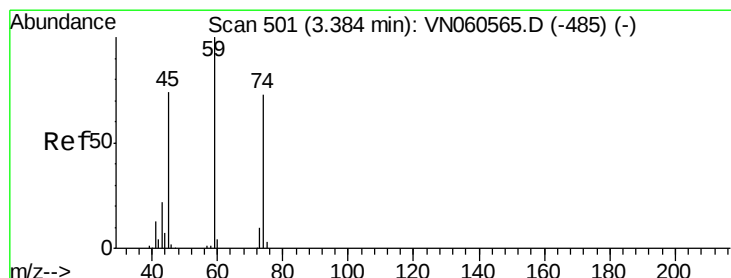
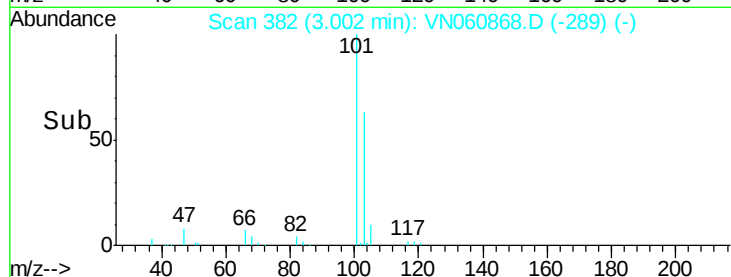
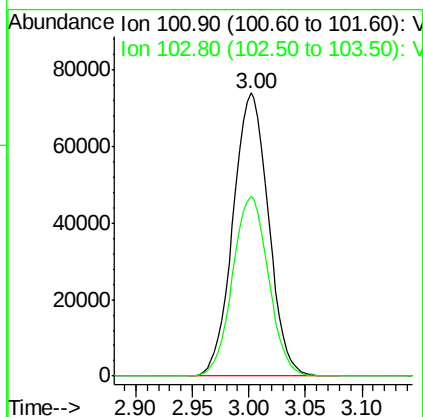
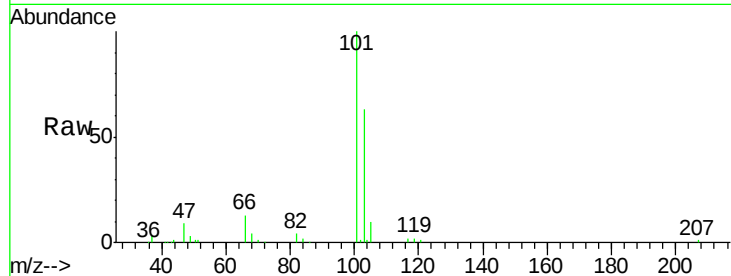
Trichlorofluoromethane
 Concen: 47.244 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.6	76.0

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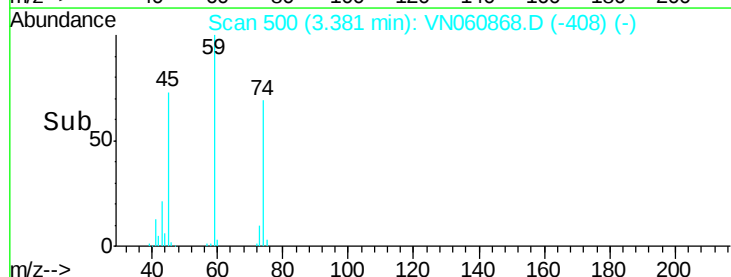
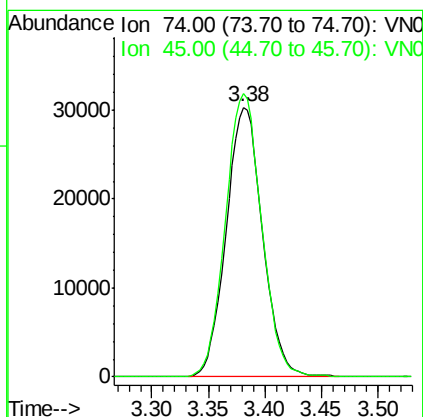
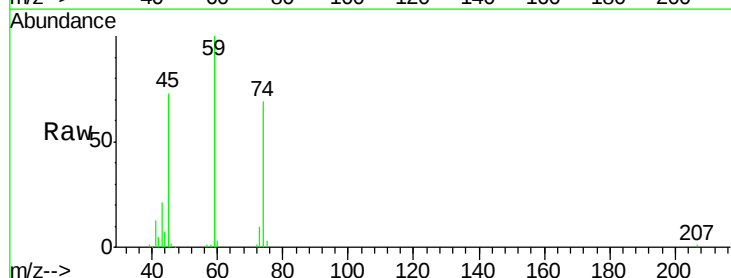
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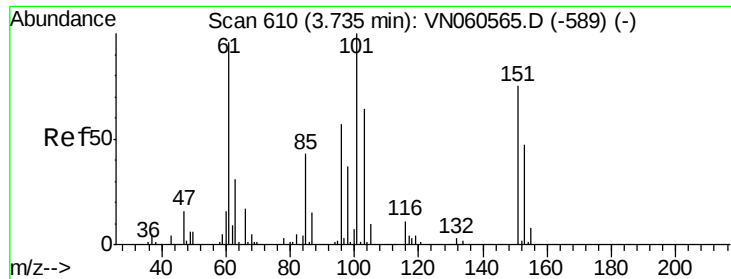


#8

Diethyl Ether
 Concen: 49.398 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060868.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.978 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

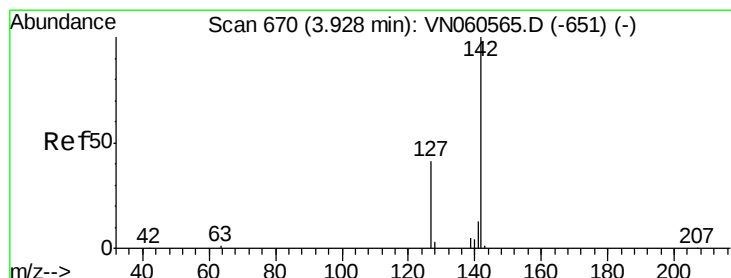
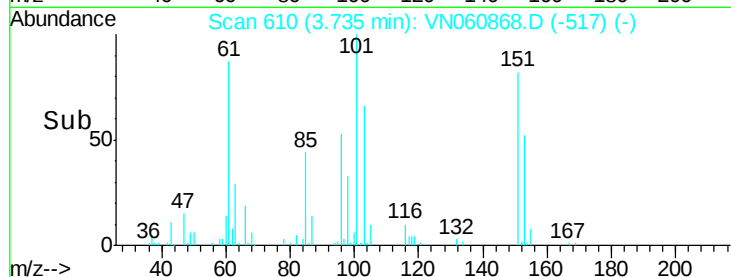
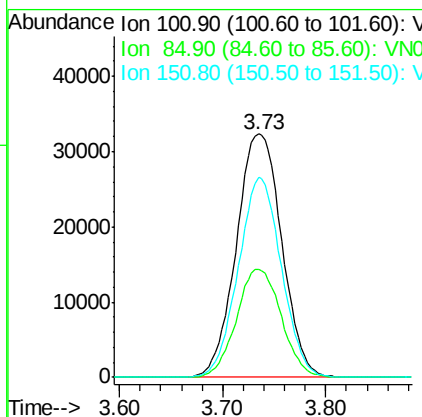
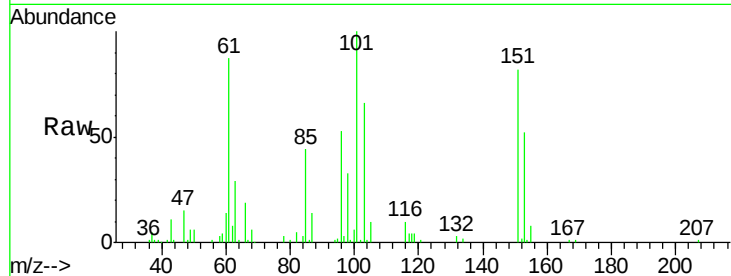
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	98988
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.6	53.4
151	78.0	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 43.823 ug/l

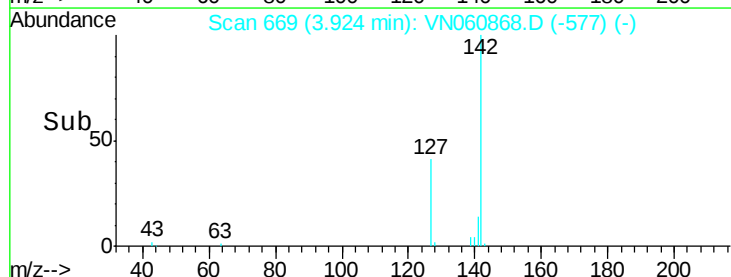
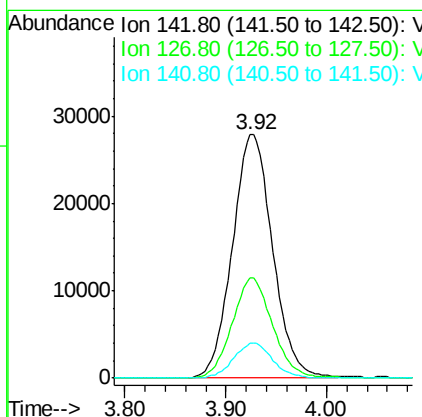
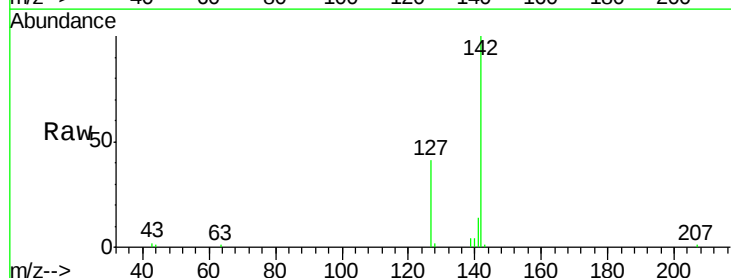
RT: 3.92 min Scan# 669

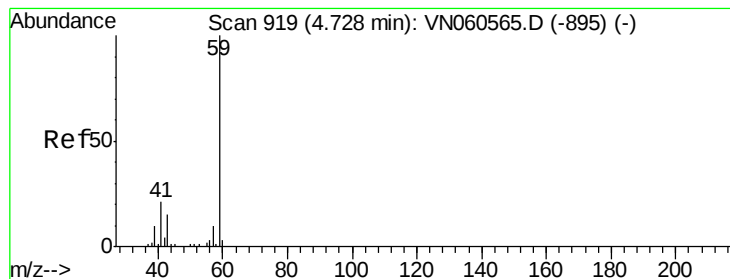
Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Tgt Ion:	142	Resp:	77235
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.5	50.3
141	13.8	11.0	16.6





#11

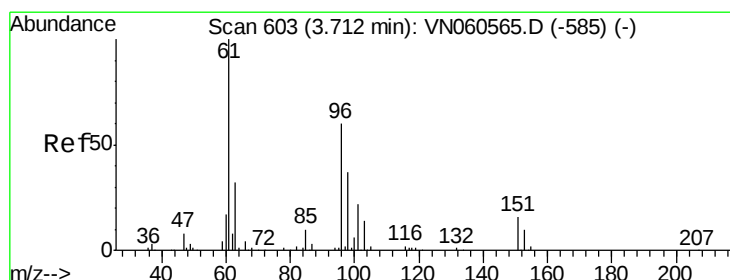
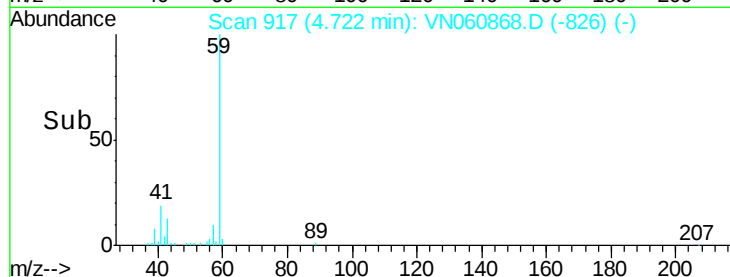
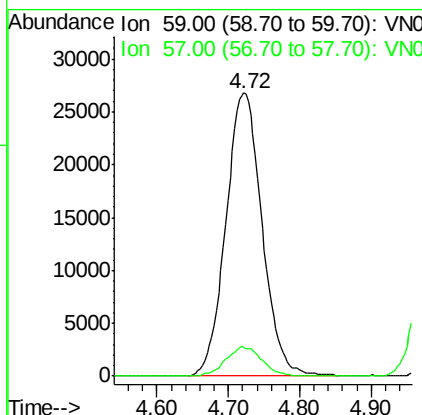
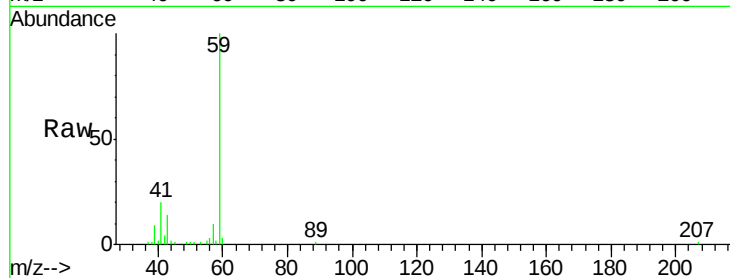
Tert butyl alcohol
Concen: 238.681 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	94598
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.4

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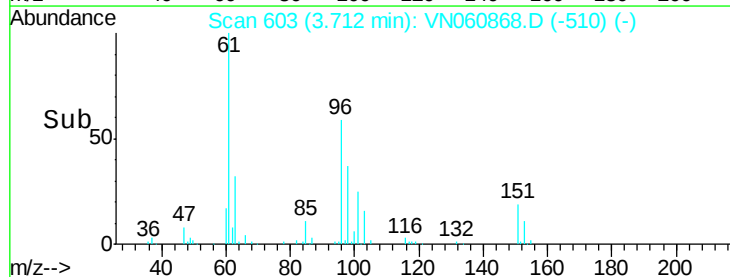
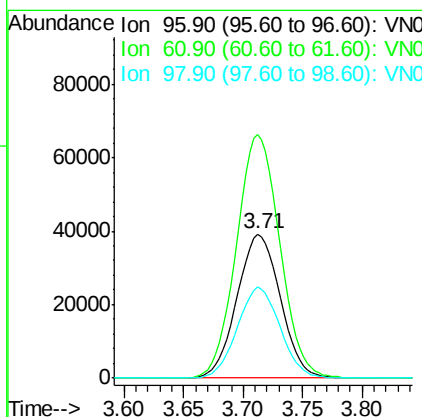
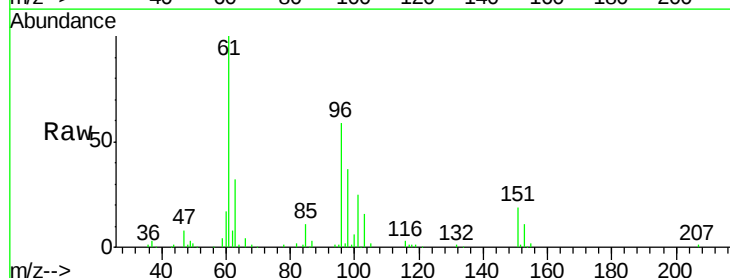
MMDadoda
4/8/2020 9:39:24 AM

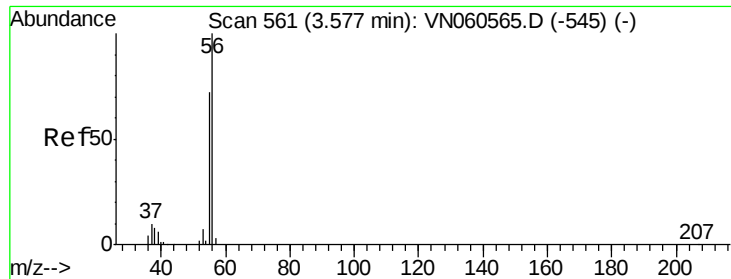


#12

1,1-Dichloroethene
Concen: 46.565 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	96	Resp	98972
Ion Ratio	100	Lower	Upper
61	169.1	134.1	201.1
98	63.0	49.9	74.9





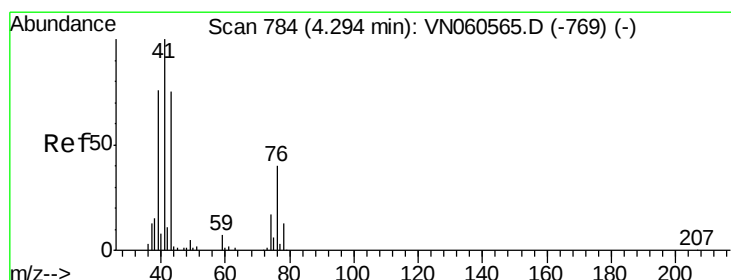
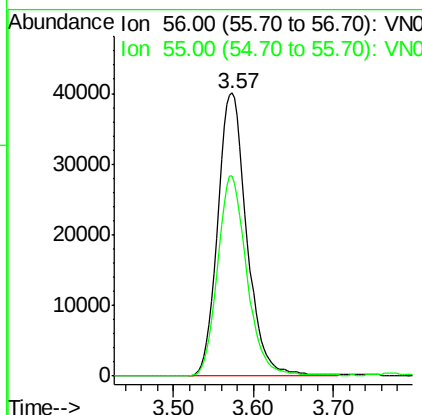
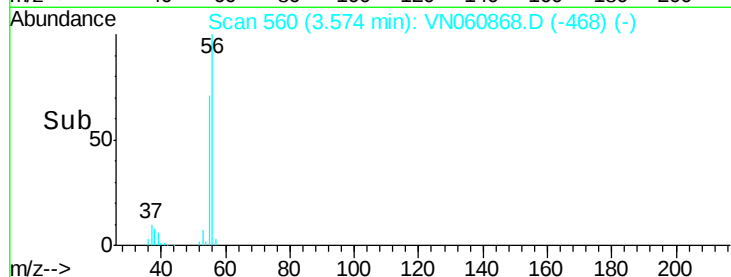
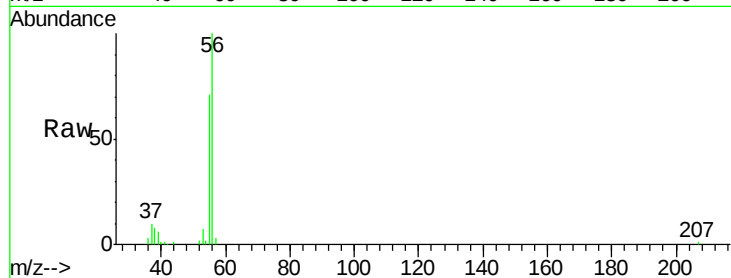
#13
Acrolein
Concen: 229.138 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	100651
Ion Ratio	100	Lower	Upper
55	70.9	56.7	85.1

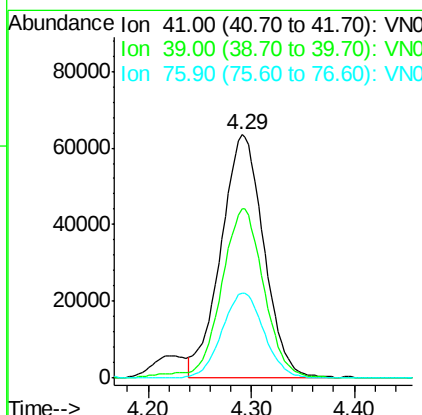
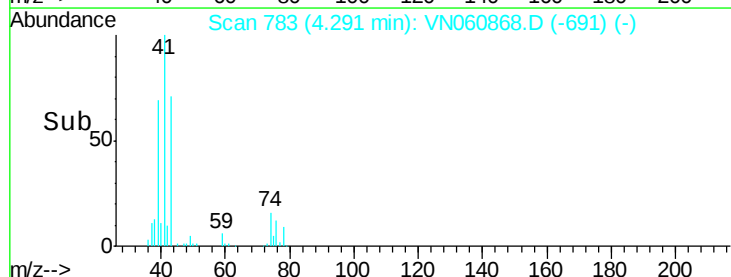
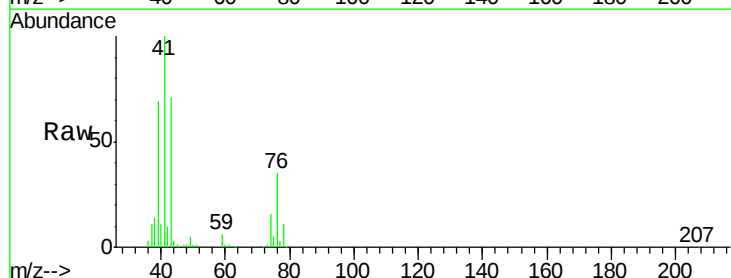
Manual Integrations
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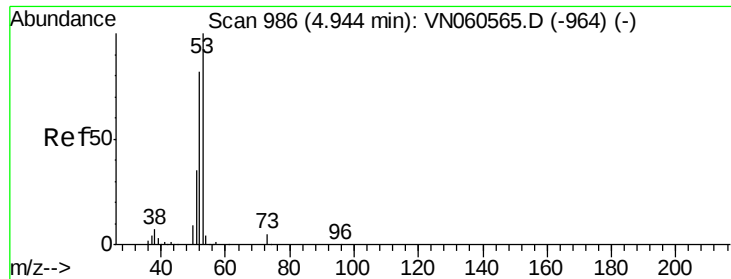
MMDadoda
4/8/2020 9:39:24 AM



#14
Allyl chloride
Concen: 48.758 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	41	Resp	182266
Ion Ratio	100	Lower	Upper
39	70.1	57.8	86.8
76	34.6	28.6	43.0





#15

Acrylonitrile

Concen: 254.773 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

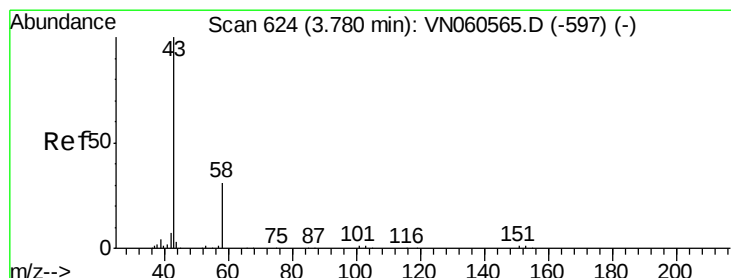
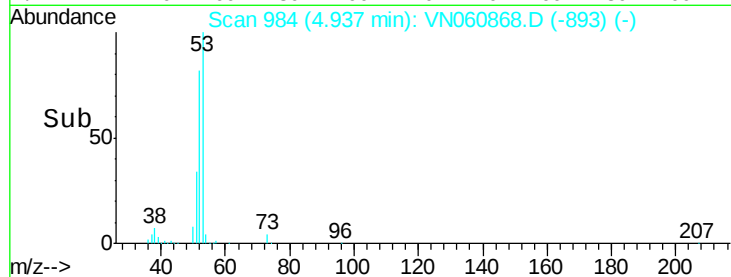
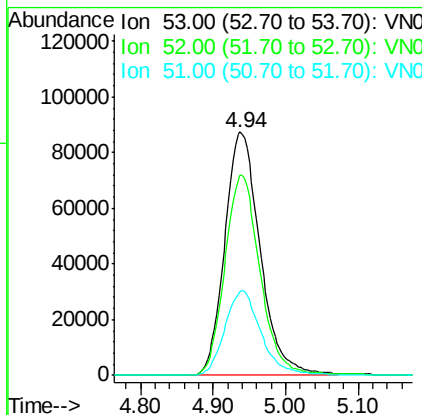
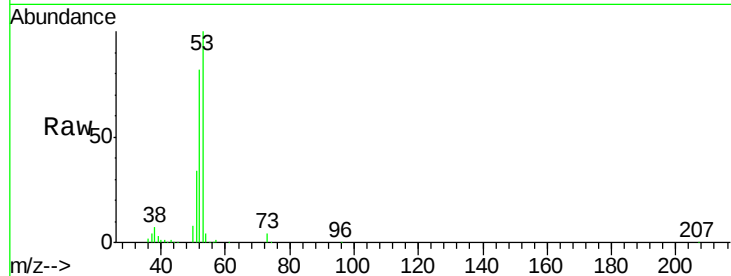
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	296929
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.4
51	35.6	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 291.584 ug/l

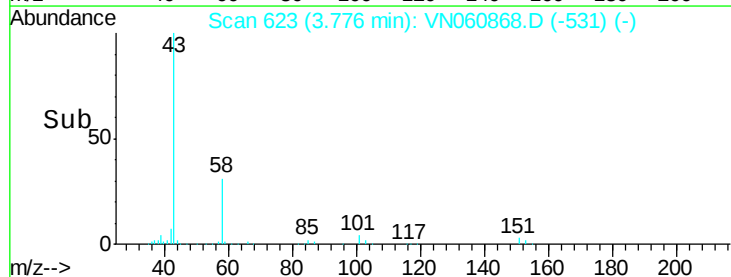
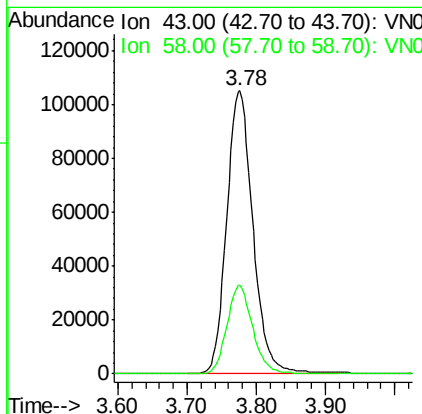
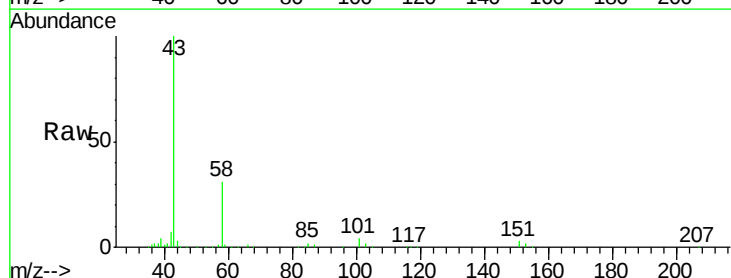
RT: 3.78 min Scan# 623

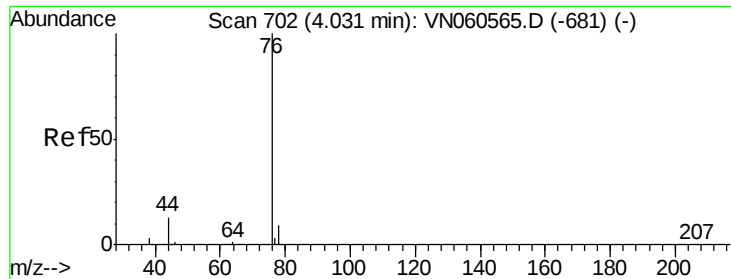
Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Tgt Ion:	43	Resp:	278345
Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.1	37.7





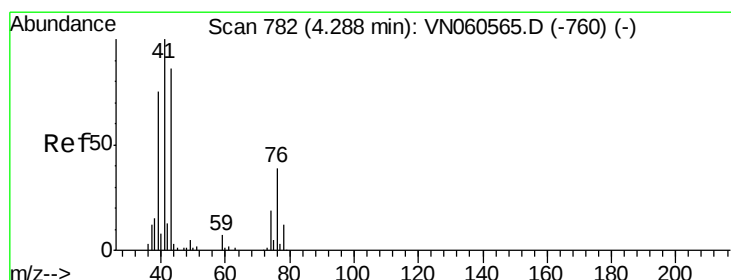
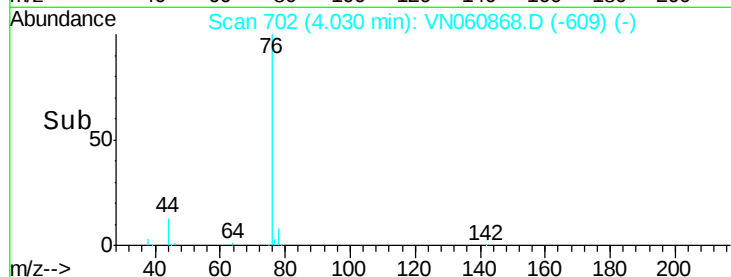
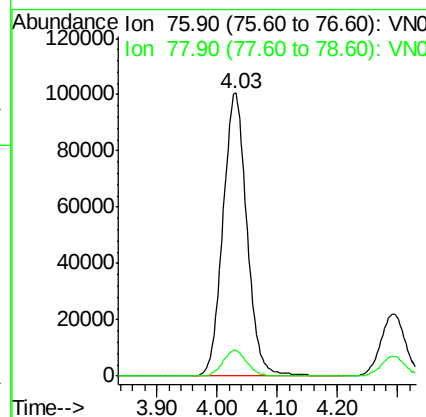
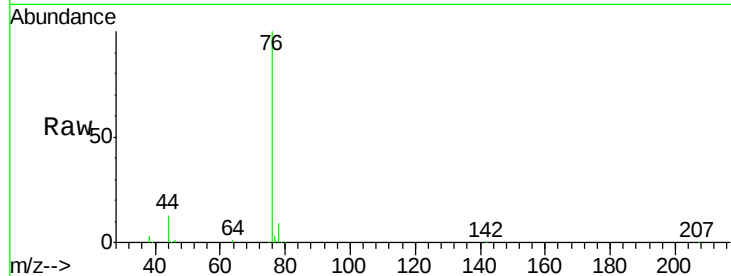
#17
Carbon Disulfide
Concen: 42.648 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

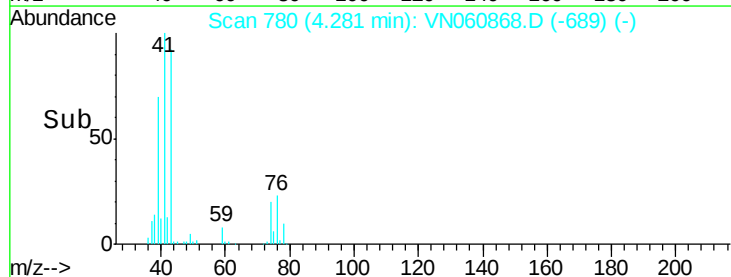
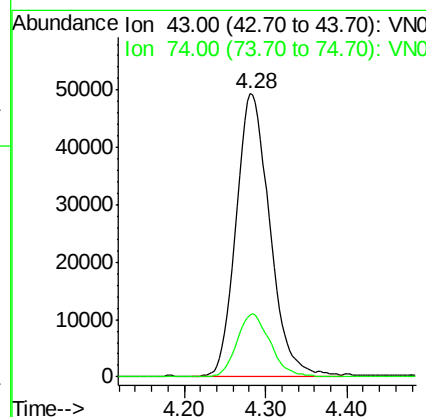
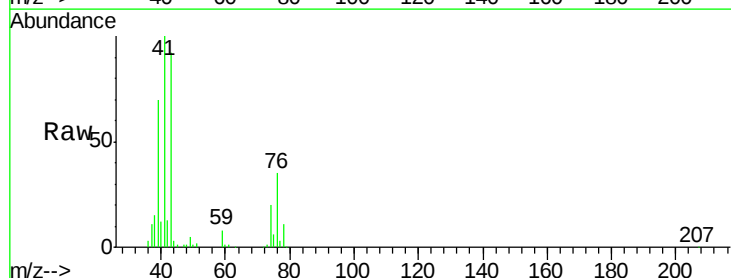
Manual Integrations
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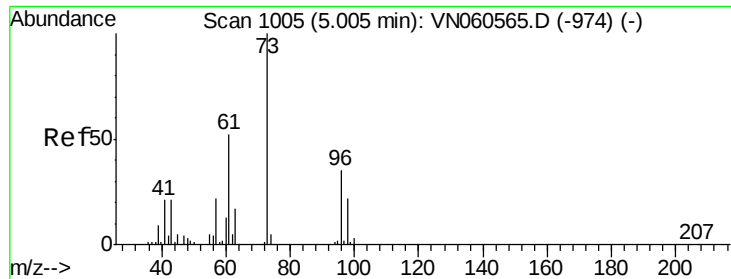
MMDadoda
4/8/2020 9:39:24 AM



#18
Methyl Acetate
Concen: 53.158 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.01 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.5	26.3





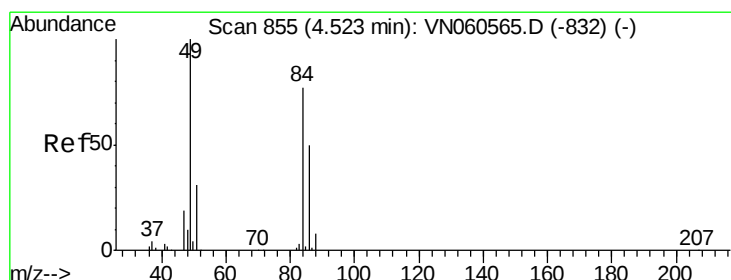
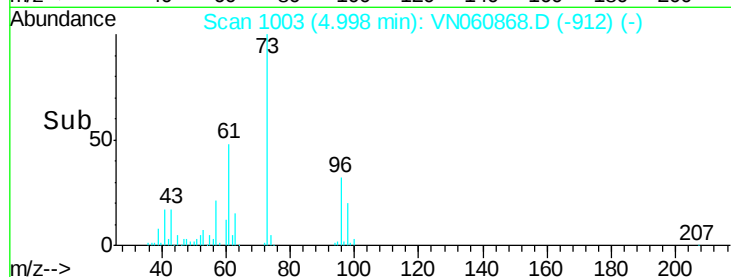
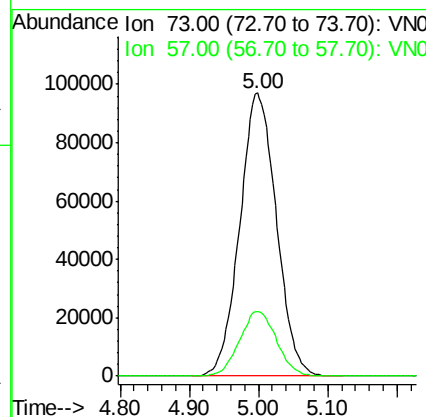
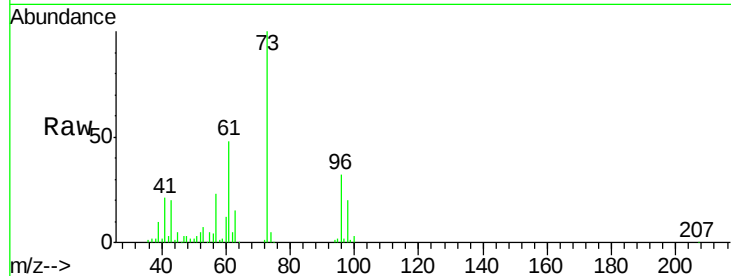
#19
Methvl tert-butvl Ether
Concen: 48.741 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 356173
Ion Ratio Lower Upper
73 100
57 22.9 17.5 26.3

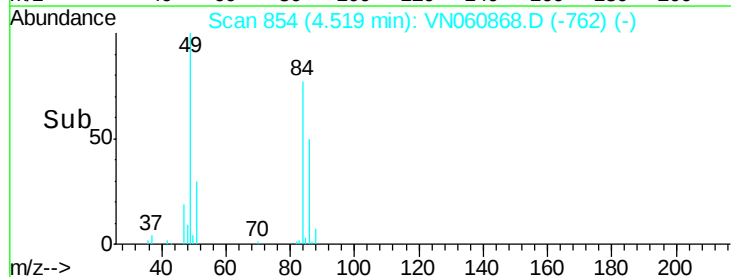
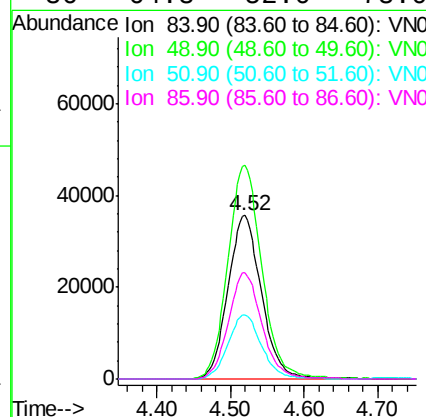
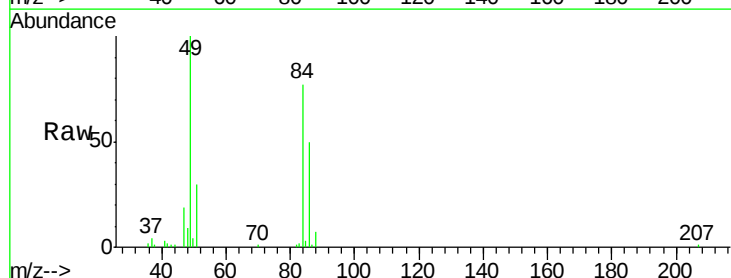
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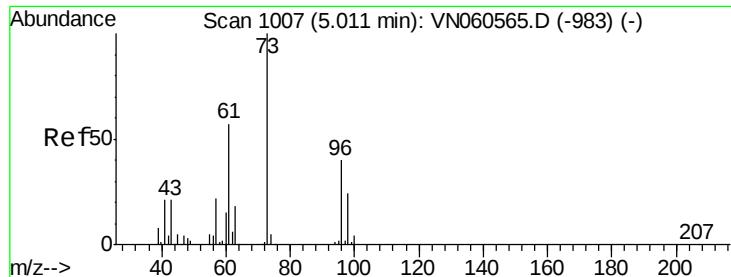
MMDadoda
4/8/2020 9:39:24 AM



#20
Methylene Chloride
Concen: 47.957 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 84 Resp: 112616
Ion Ratio Lower Upper
84 100
49 130.6 103.3 154.9
51 39.5 31.6 47.4
86 64.8 52.0 78.0





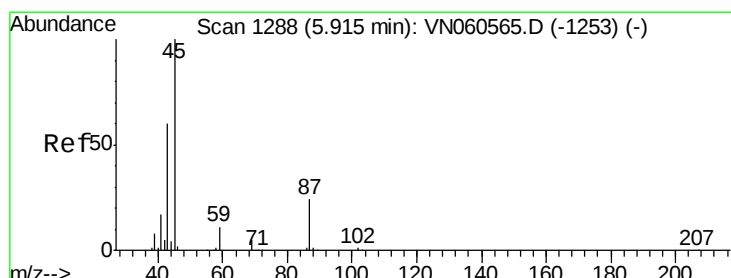
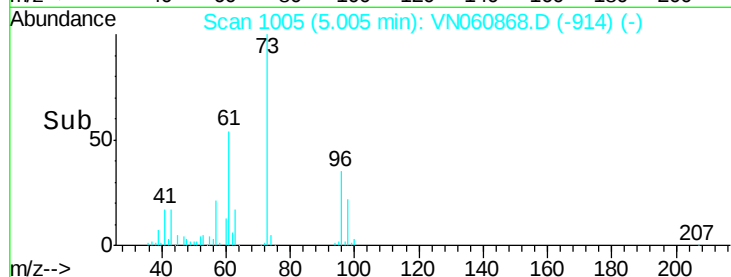
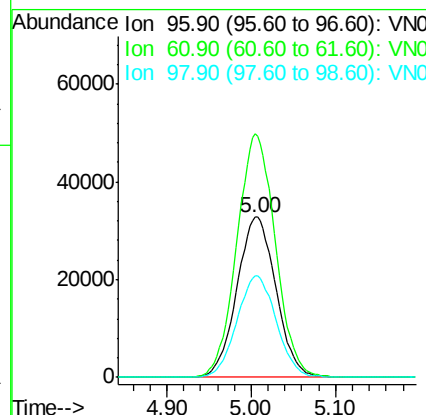
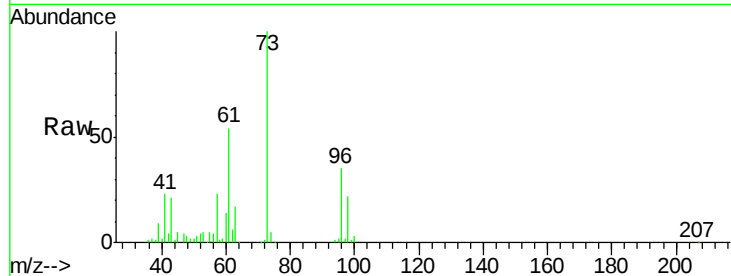
#21
trans-1,2-Dichloroethene
Concen: 46.730 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.2	114.4	171.6
98	63.3	48.4	72.6

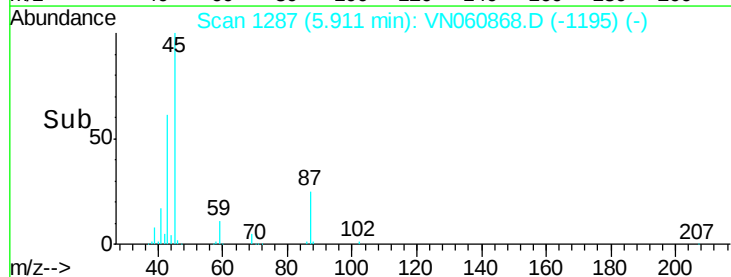
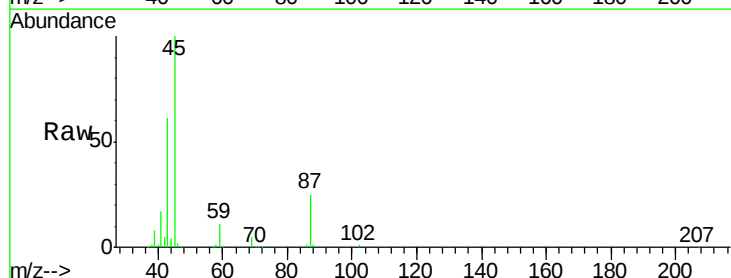
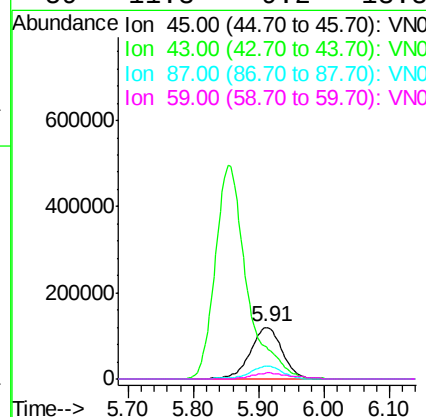
Manual Integrations
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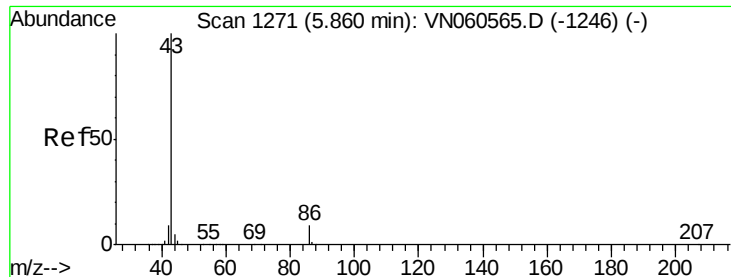
MMDadoda
4/8/2020 9:39:24 AM



#22
Diisopropyl ether
Concen: 51.281 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.3	49.8	74.8
87	24.7	20.1	30.1
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 258.220 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1663926

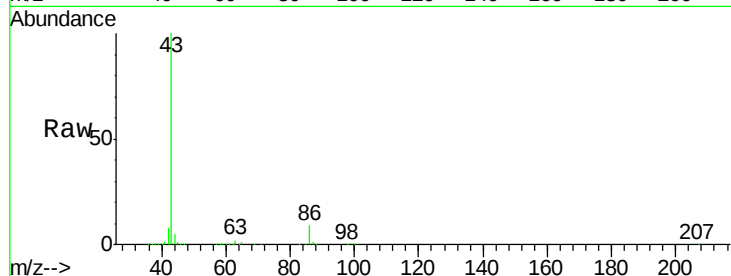
Ion Ratio Lower Upper

43 100

86 9.2 7.6 11.4

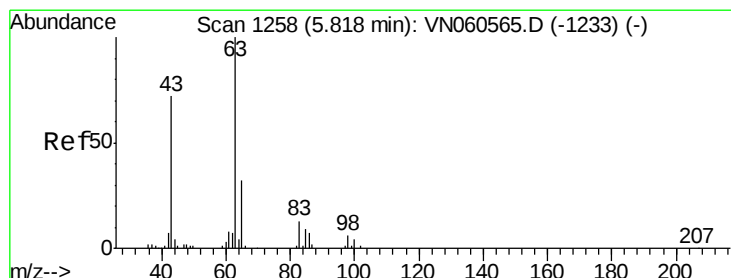
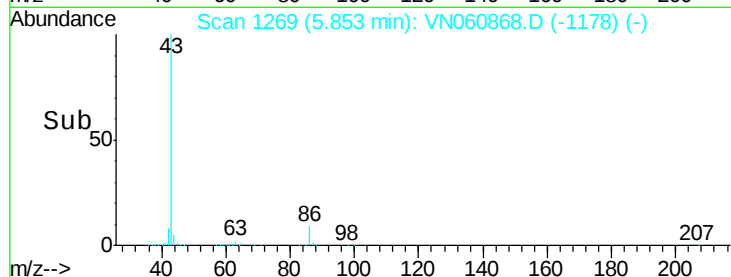
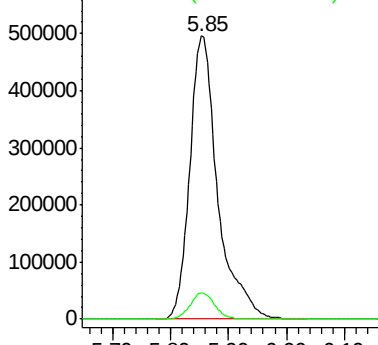
Manual Integrations
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MMDadoda
4/8/2020 9:39:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.588 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

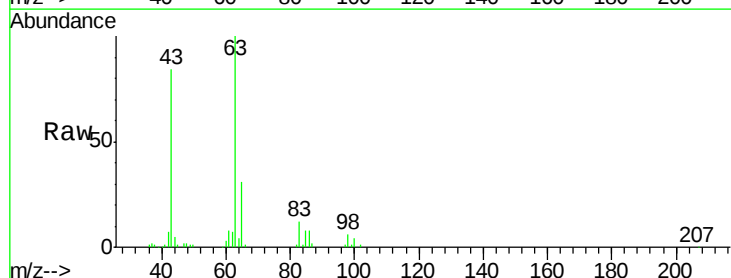
Tgt Ion: 63 Resp: 213495

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

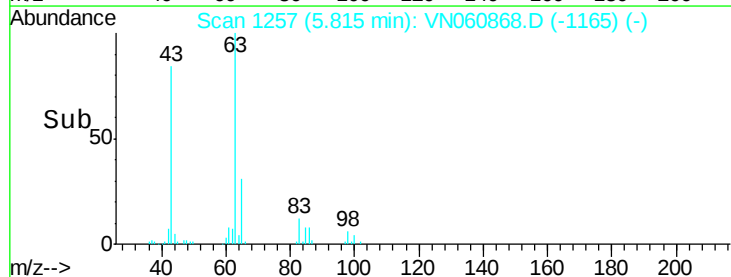
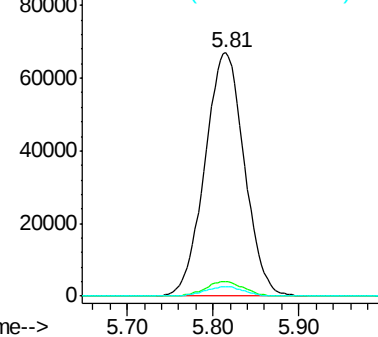
100 3.8 1.8 5.5

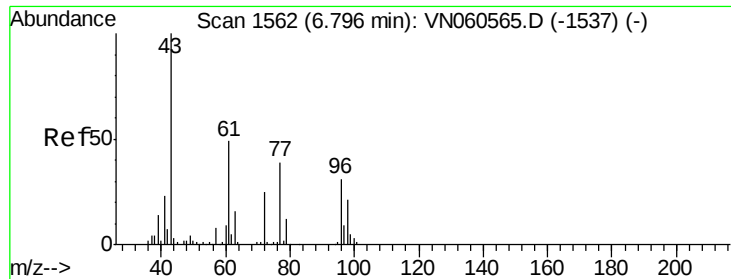


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





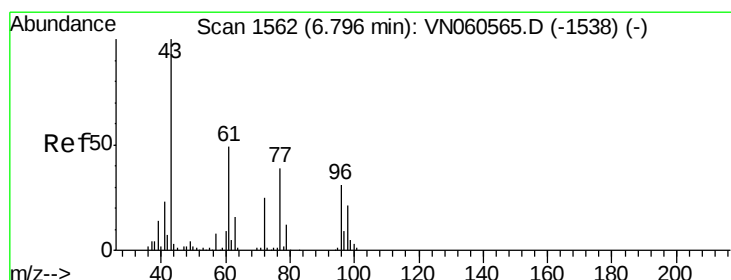
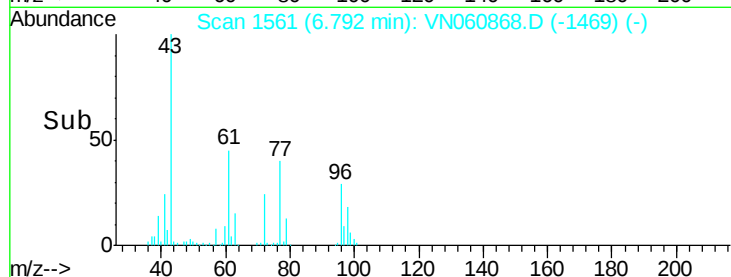
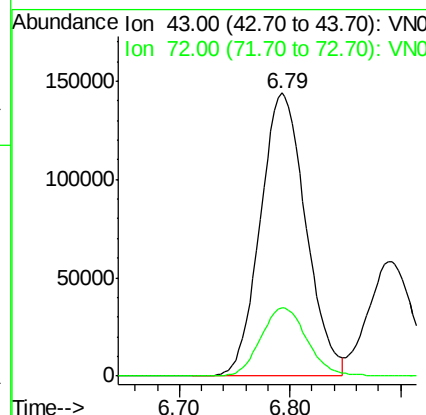
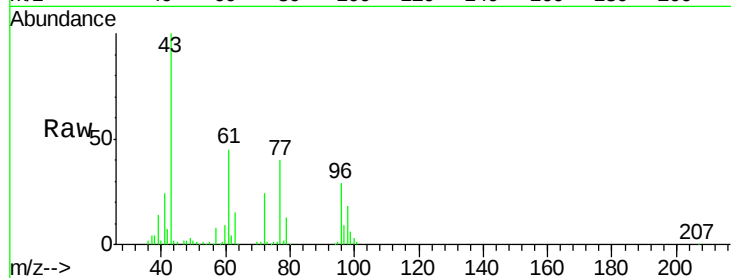
#25
2-Butanone
Concen: 266.490 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 411647
Ion Ratio Lower Upper
43 100
72 24.1 20.4 30.6

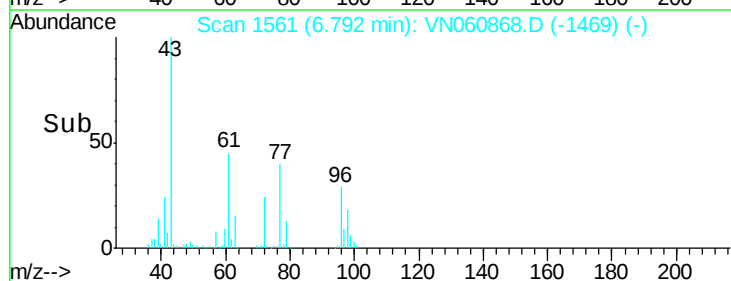
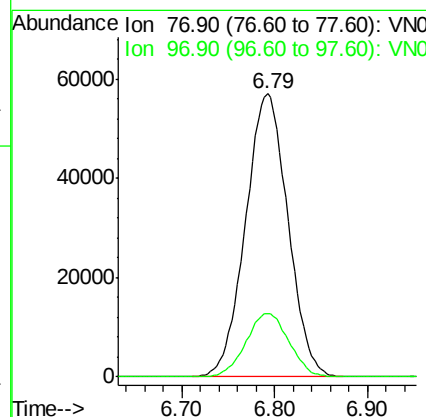
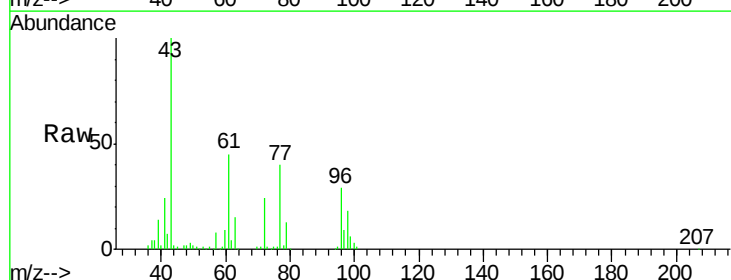
Manual Integrations
APPROVED

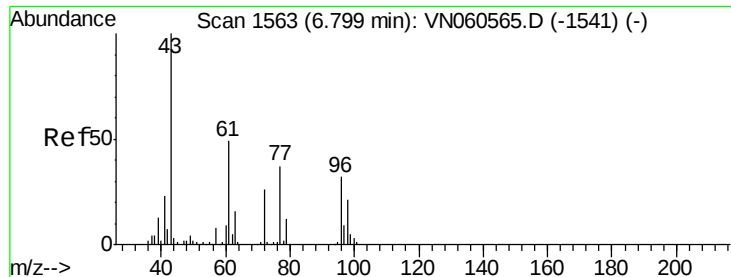
MMDadoda
4/8/2020 9:39:24 AM



#26
2,2-Dichloropropane
Concen: 53.412 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 77 Resp: 180929
Ion Ratio Lower Upper
77 100
97 22.6 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 48.431 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

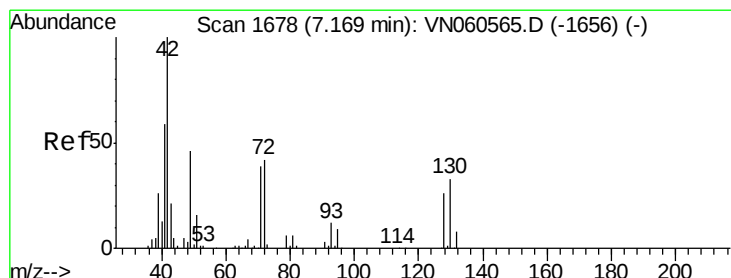
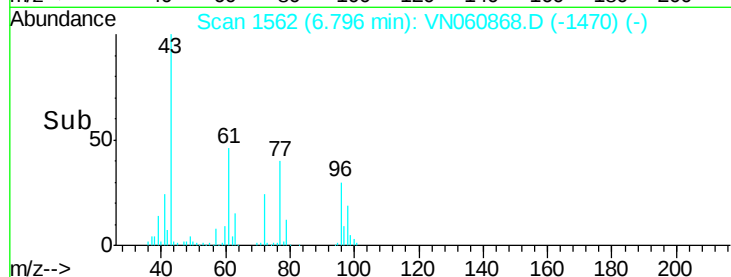
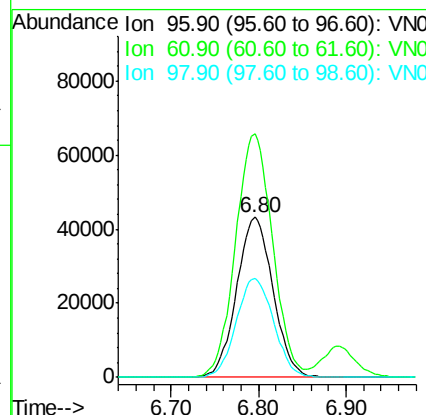
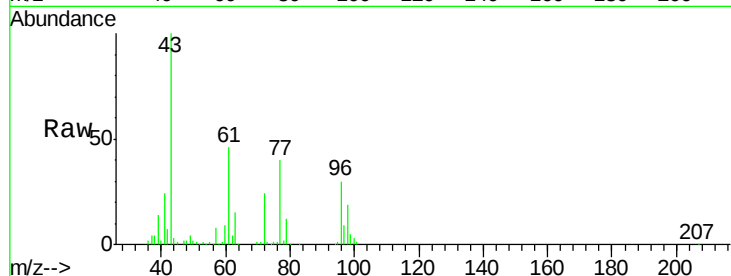
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	124671
Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	305.6
98	63.5	0.0	127.6

Manual Integrations
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MMDadoda
4/8/2020 9:39:24 AM



#28

Bromochloromethane

Concen: 50.399 ug/l

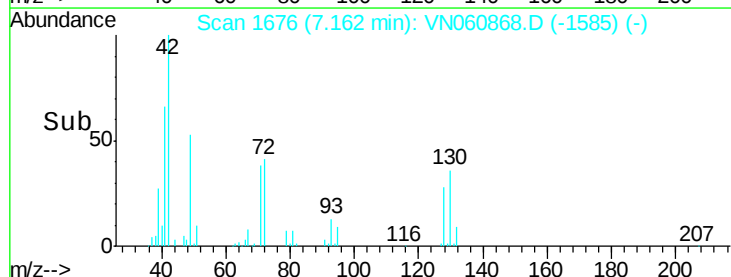
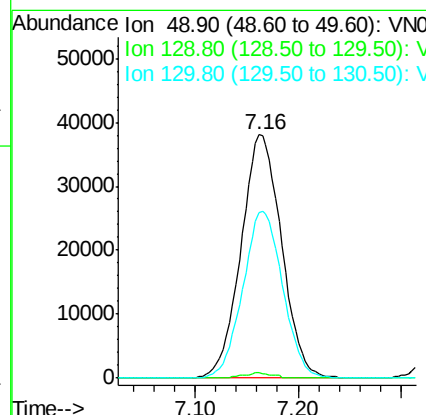
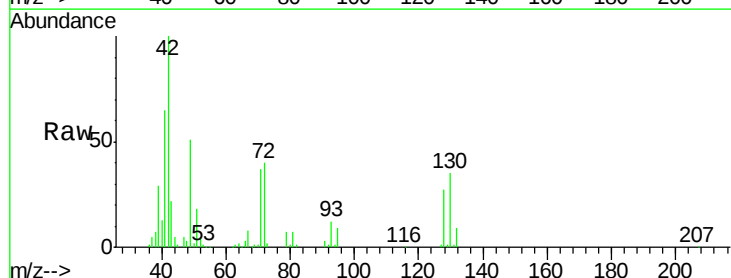
RT: 7.16 min Scan# 1676

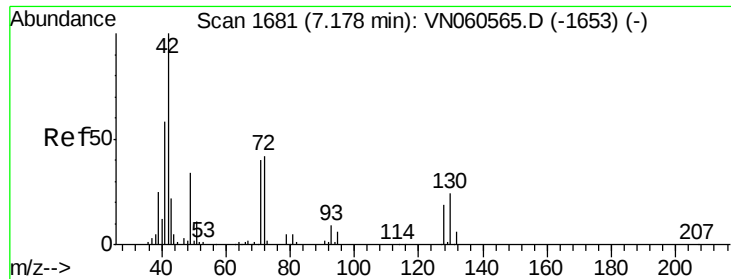
Delta R.T. -0.01 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Tgt Ion:	49	Resp:	103816
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	67.3	55.0	82.4





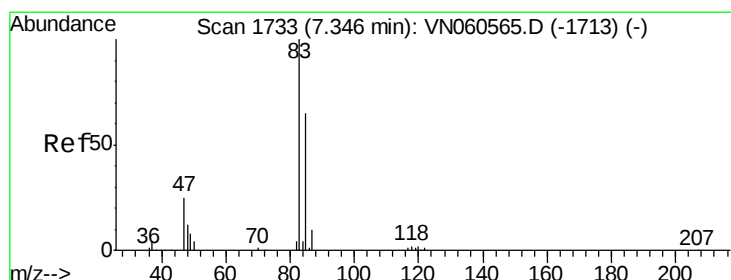
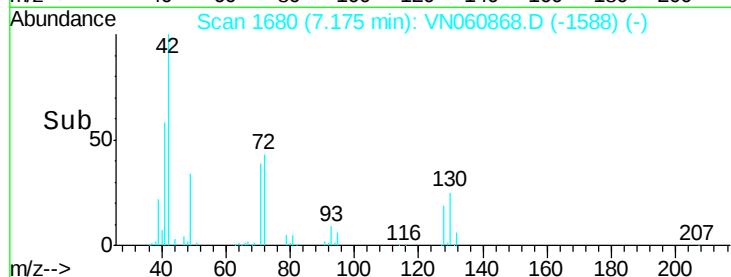
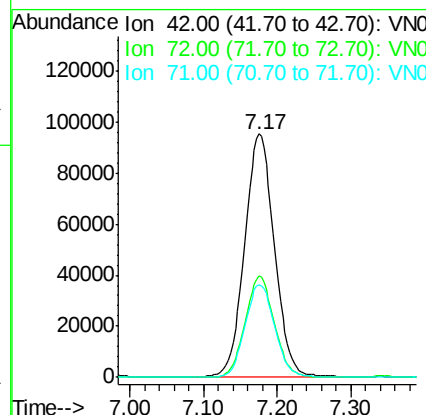
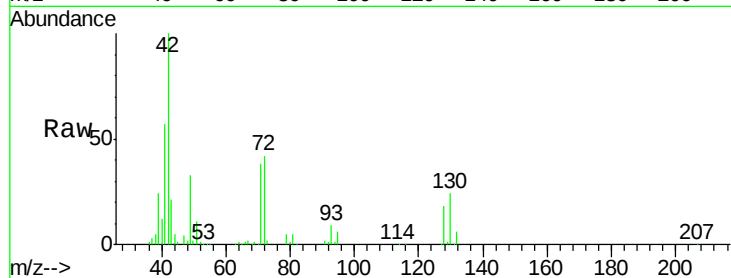
#29
Tetrahydrofuran
Concen: 246.775 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.2	49.8
71	37.8	31.1	46.7

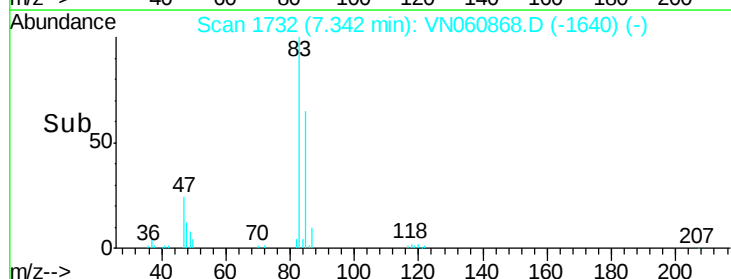
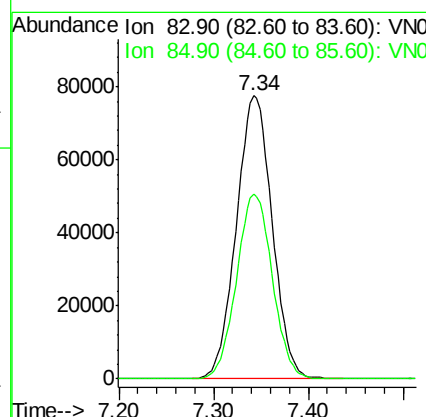
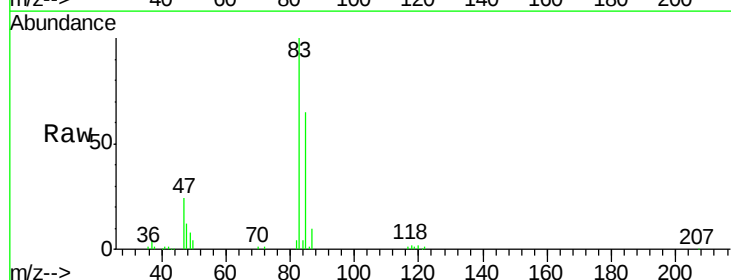
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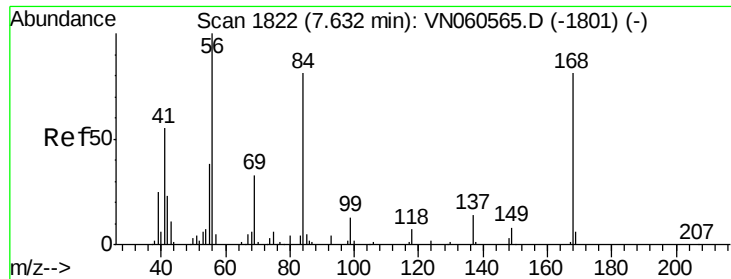
MMDadoda
4/8/2020 9:39:24 AM



#30
Chloroform
Concen: 49.416 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.8





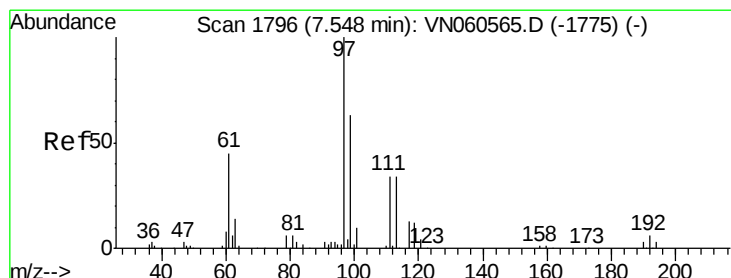
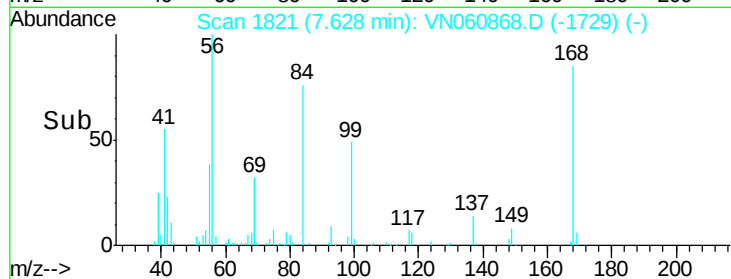
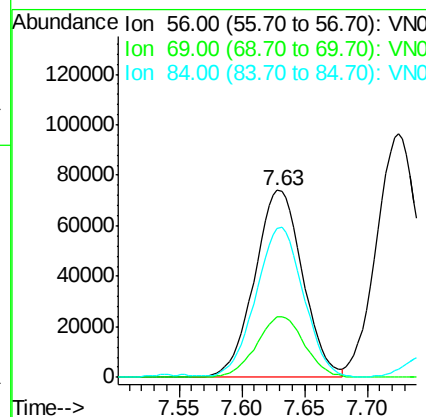
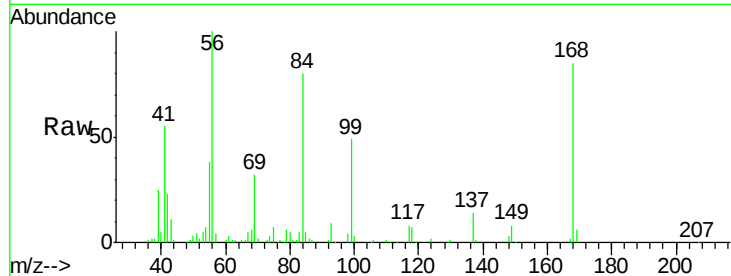
#31
Cyclohexane
Concen: 45.436 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	26.6	40.0
84	78.6	64.3	96.5

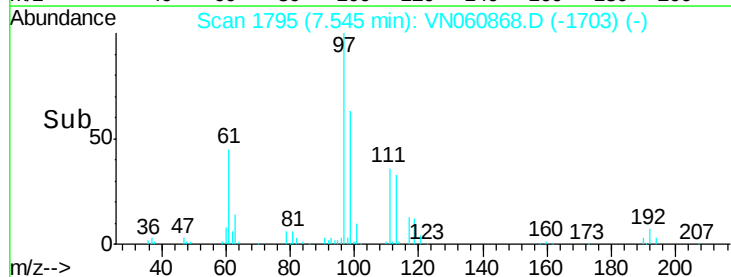
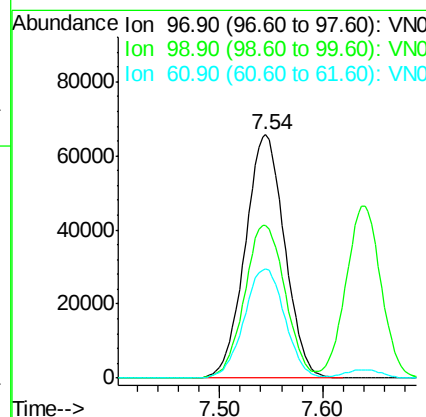
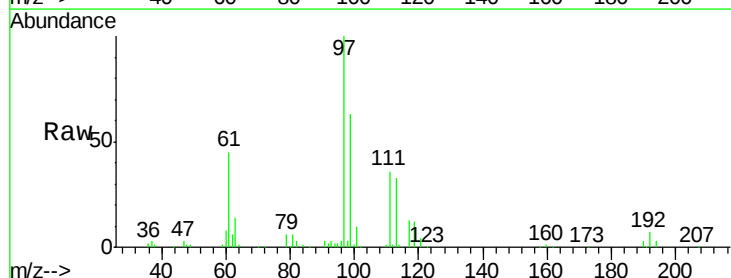
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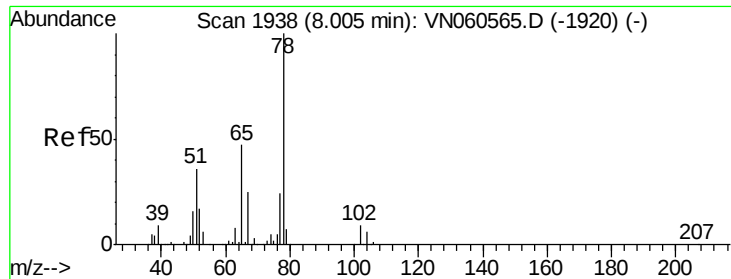
MMDadoda
4/8/2020 9:39:24 AM



#32
1,1,1-Trichloroethane
Concen: 49.053 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.6	75.8
61	46.2	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 48.796 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 131500

Ion Ratio Lower Upper

65 100

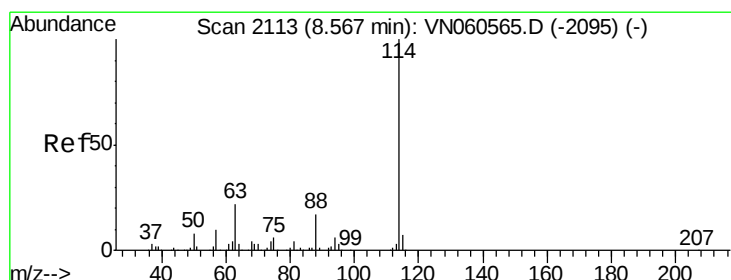
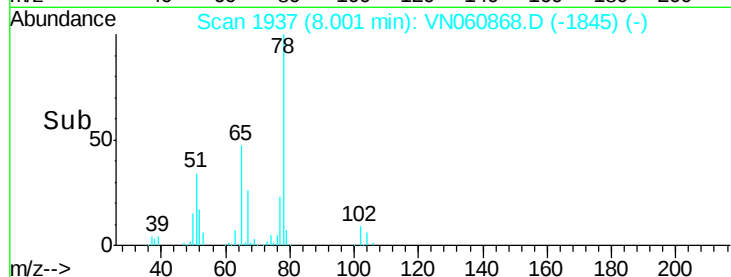
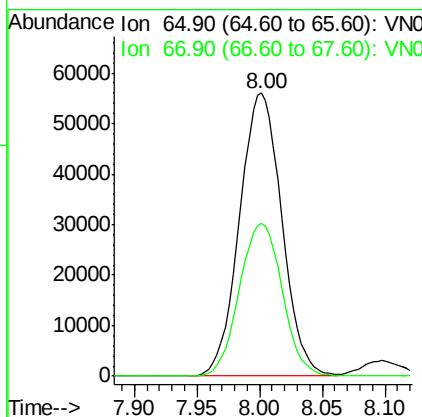
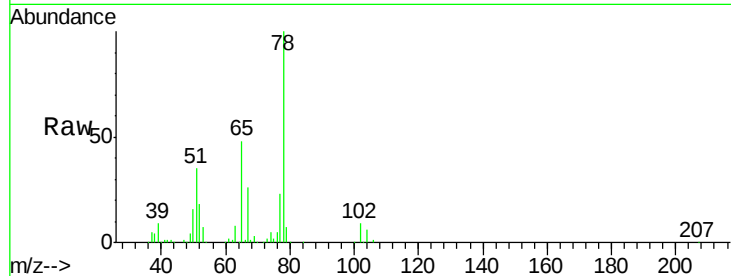
67 54.7 0.0 107.6

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4/8/2020 9:39:24 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

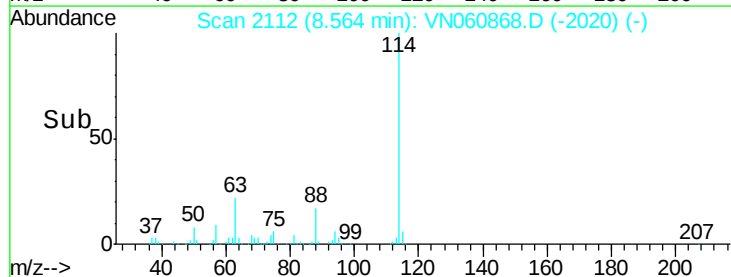
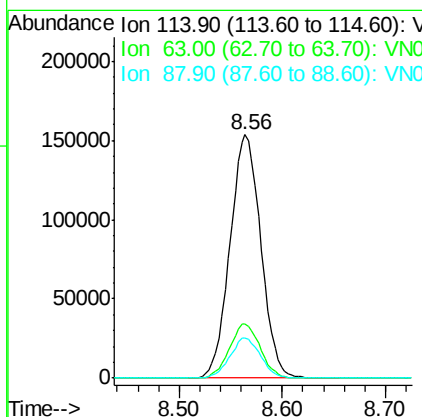
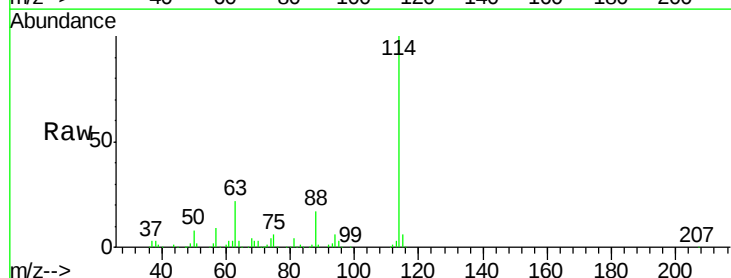
Tgt Ion: 114 Resp: 319806

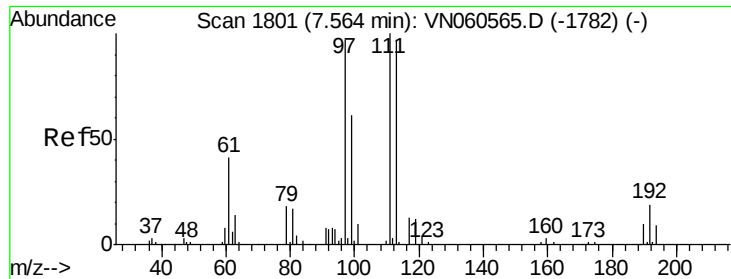
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

88 16.7 0.0 33.0





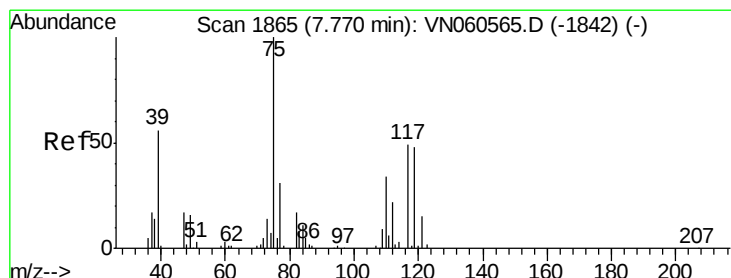
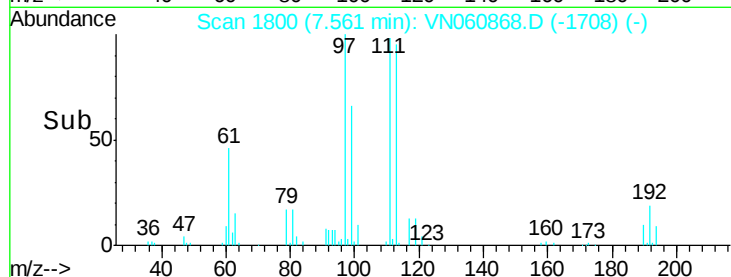
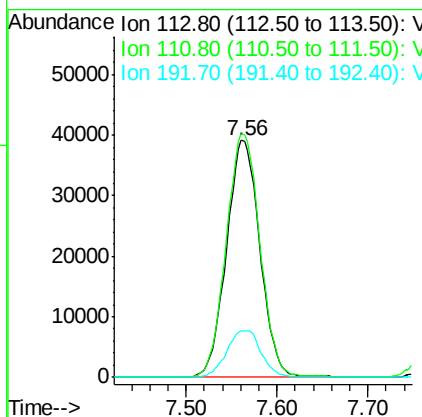
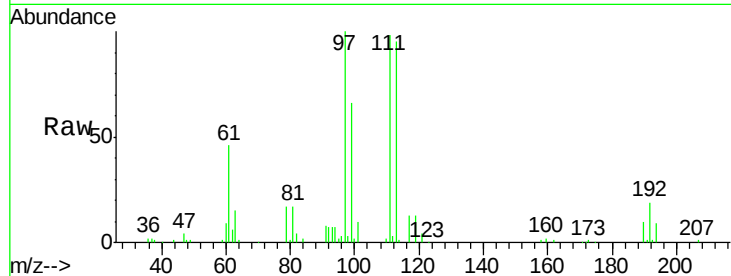
#35
Dibromofluoromethane
Concen: 51.575 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.9	124.3
192	20.3	15.8	23.8

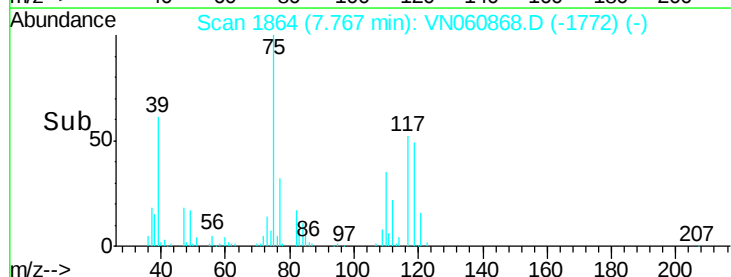
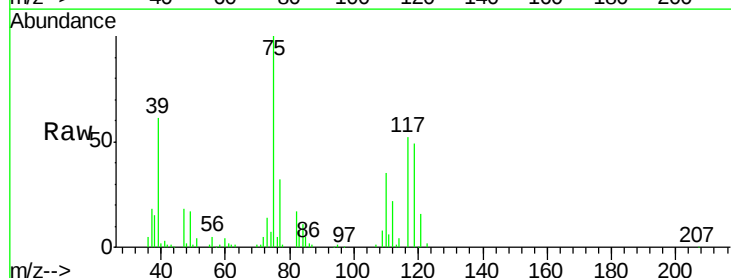
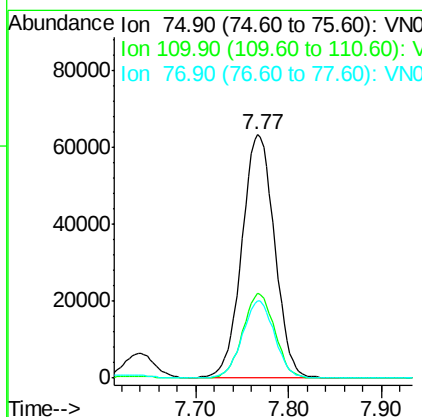
Manual Integrations
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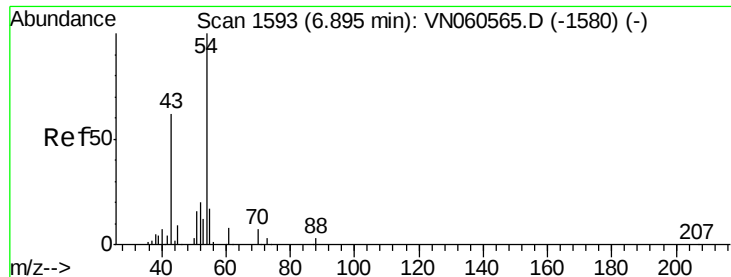
MMDadoda
4/8/2020 9:39:24 AM



#36
1,1-Dichloropropene
Concen: 50.292 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	31.3	24.6	36.8





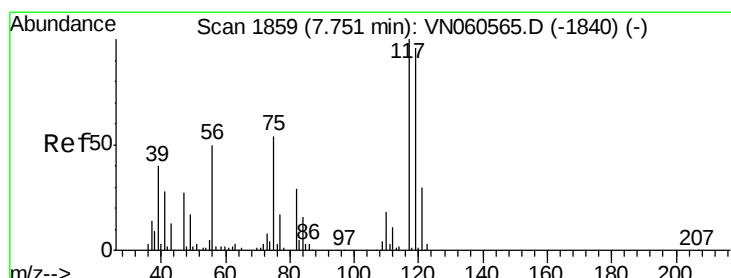
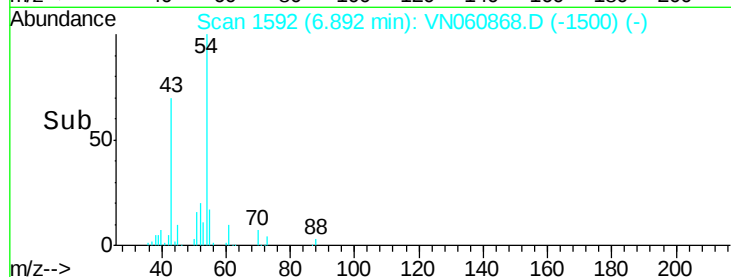
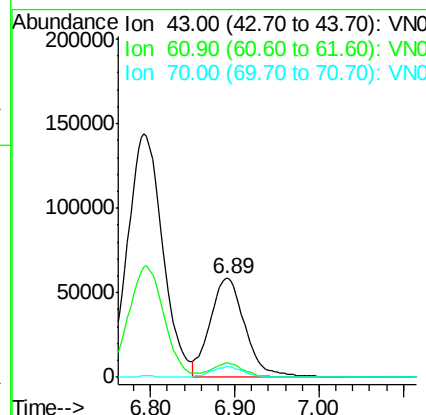
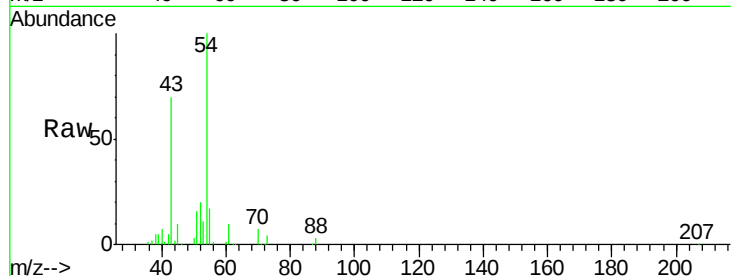
#37
Ethyl Acetate
Concen: 50.158 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.6	15.8
70	9.9	7.9	11.9

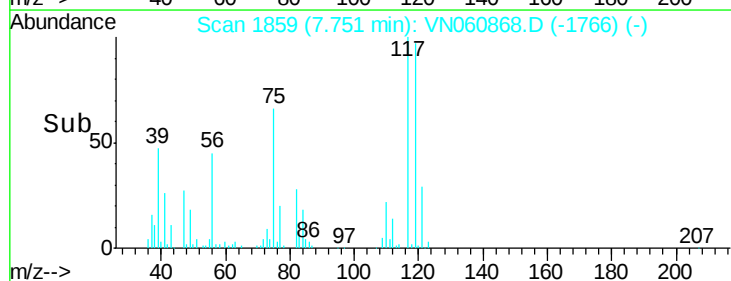
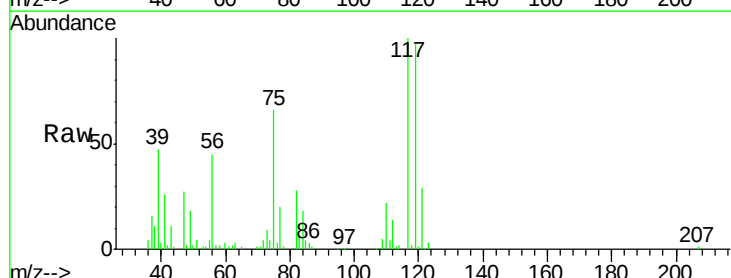
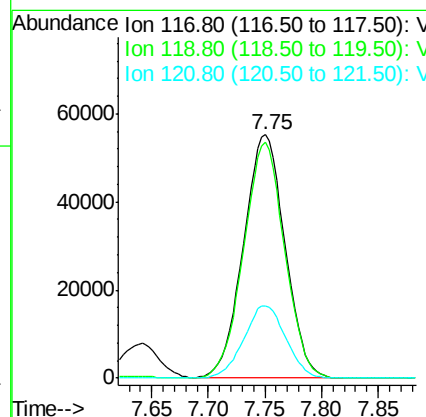
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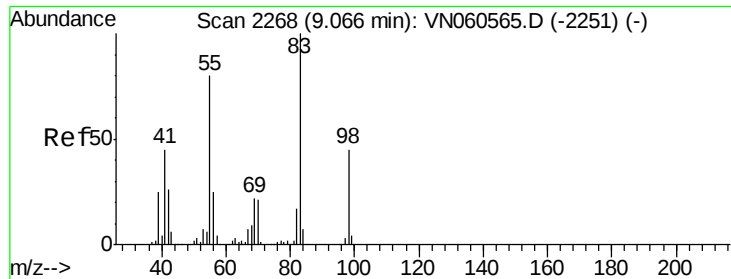
MMDadoda
4/8/2020 9:39:24 AM



#38
Carbon Tetrachloride
Concen: 50.858 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.2	114.2
121	29.5	23.7	35.5





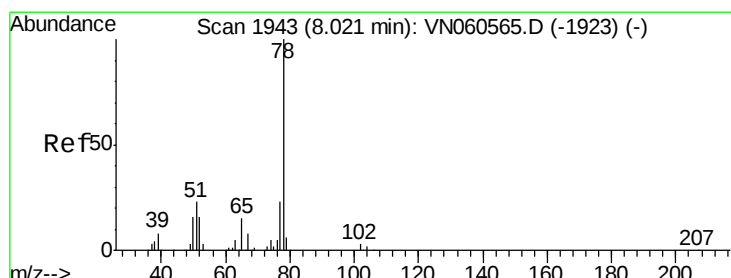
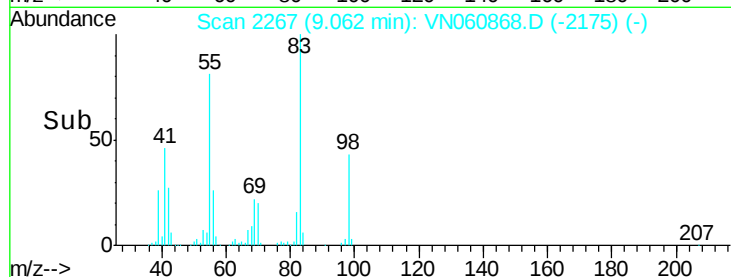
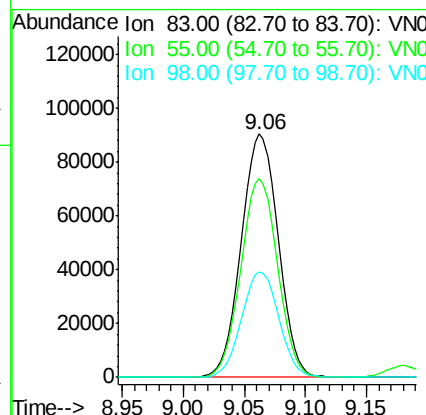
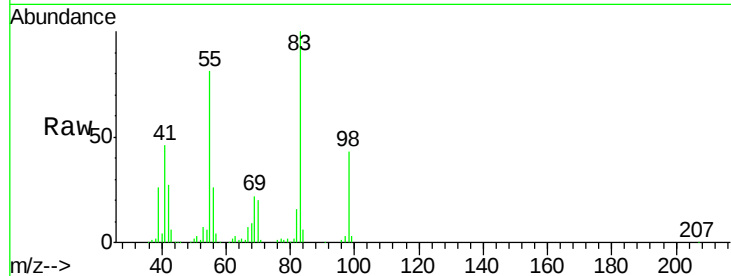
#39
Methvlcvclohexane
Concen: 51.594 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	189869		
55	81.5	63.6	95.4	
98	43.5	36.0	54.0	

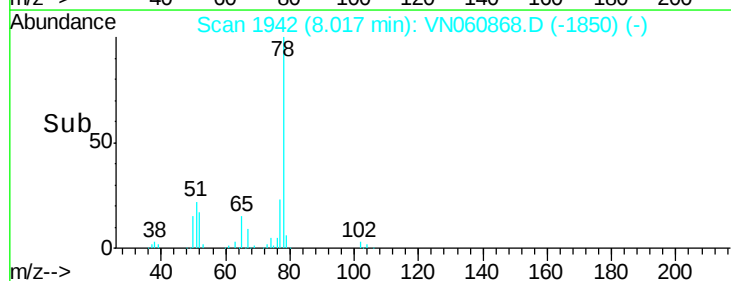
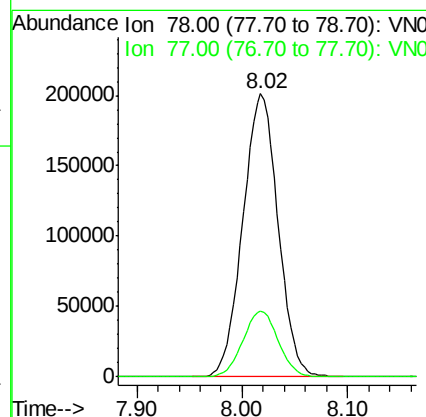
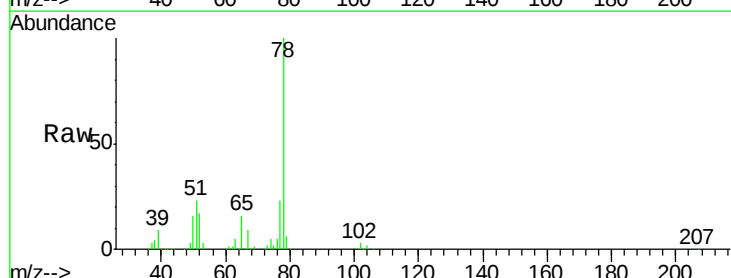
Manual Integrations
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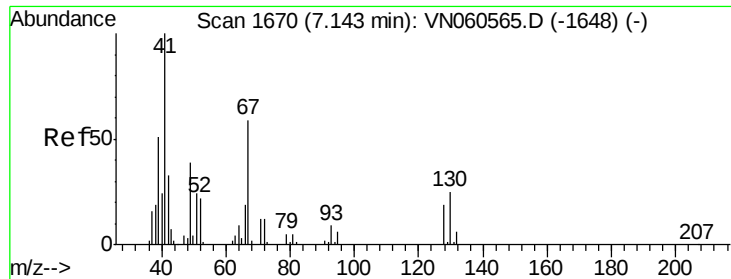
MMDadoda
4/8/2020 9:39:24 AM



#40
Benzene
Concen: 49.980 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	467223		
77	23.4	18.6	28.0	





#41

Methacrylonitrile

Concen: 58.238 ug/l m

RT: 7.15 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

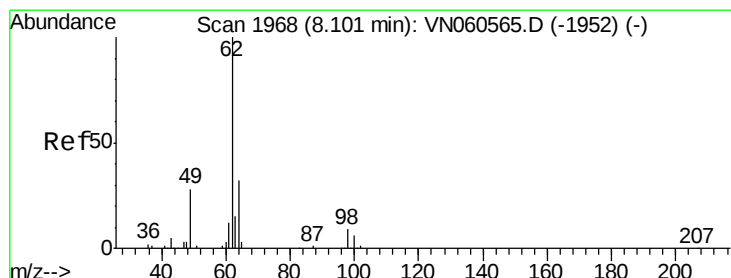
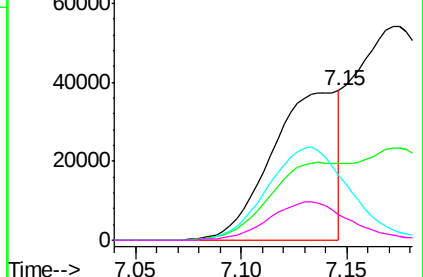
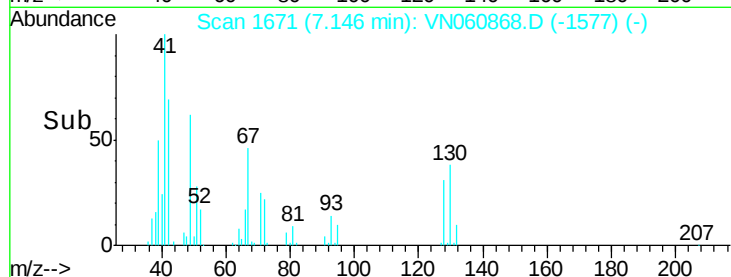
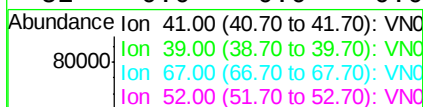
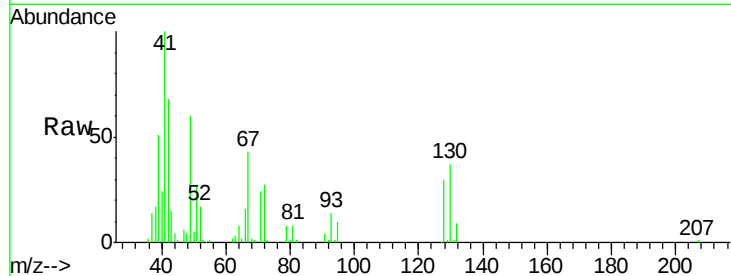
ClientSampleId :

VSTDCCC050

Tot Ion	41	Resp	83164
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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MMDadoda
4/8/2020 9:39:24 AM



#42

1,2-Dichloroethane

Concen: 50.943 ug/l

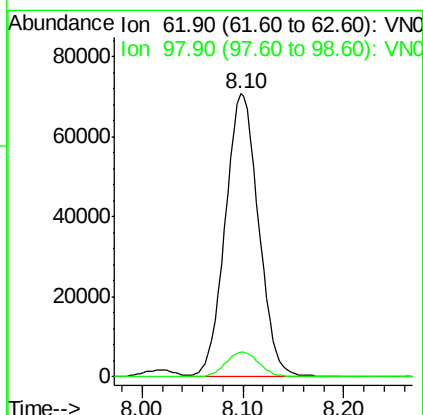
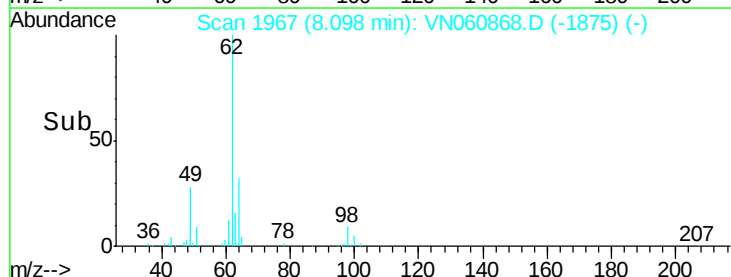
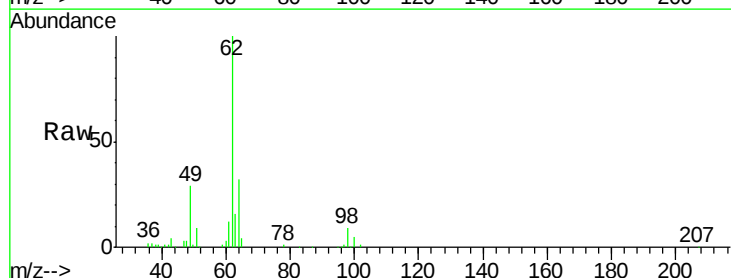
RT: 8.10 min Scan# 1967

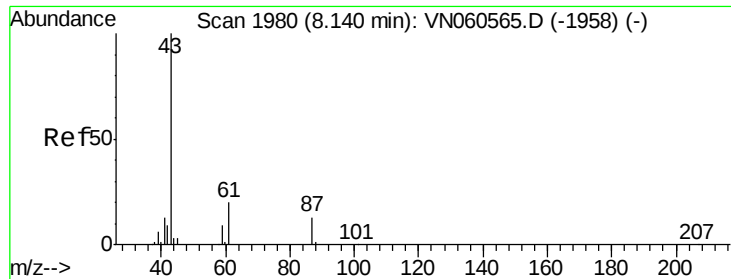
Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Tgt Ion	62	Resp	162750
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





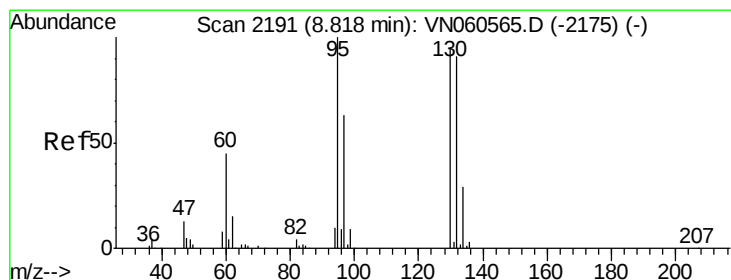
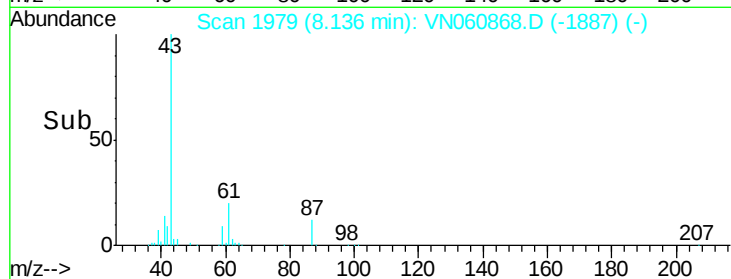
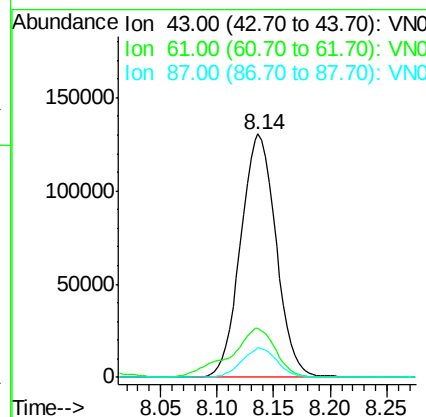
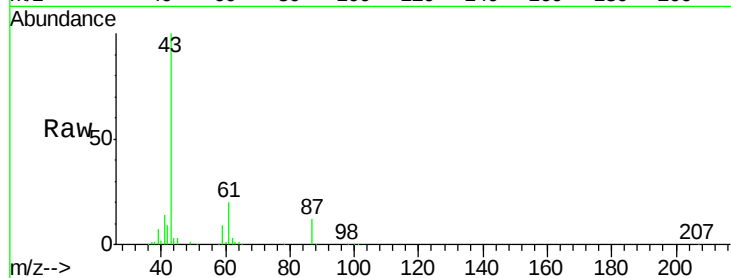
#43
Isopropyl Acetate
Concen: 51.573 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.7	31.1
87	12.0	9.8	14.8

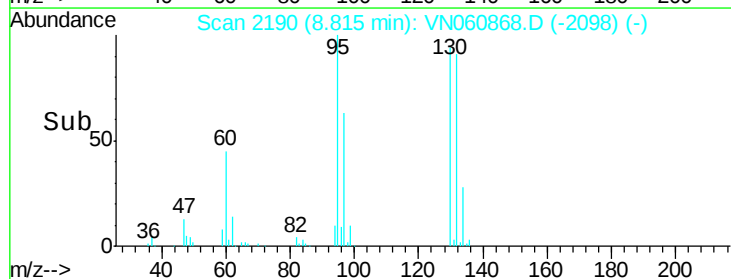
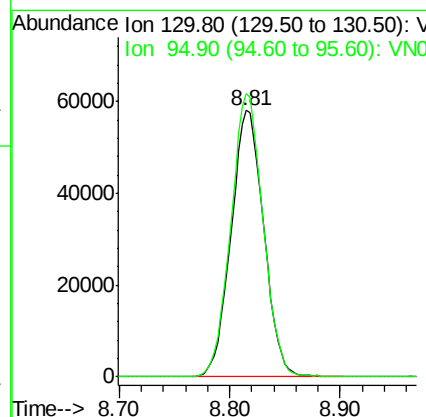
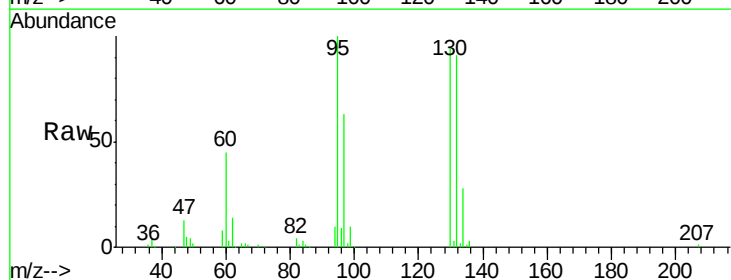
Manual Integrations
APPROVED

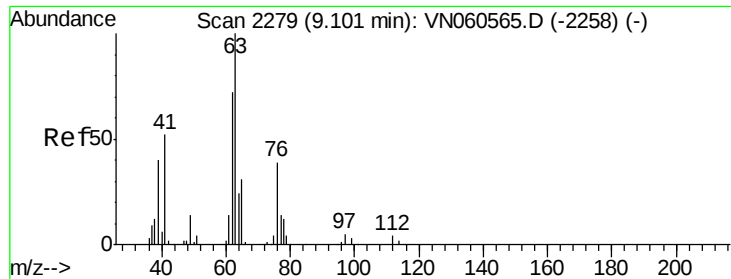
MMDadoda
4/8/2020 9:39:24 AM



#44
Trichloroethene
Concen: 50.561 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	211.2





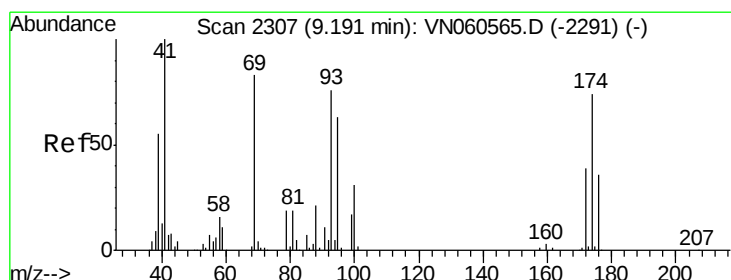
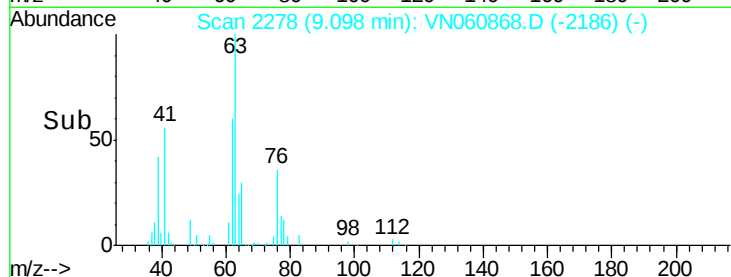
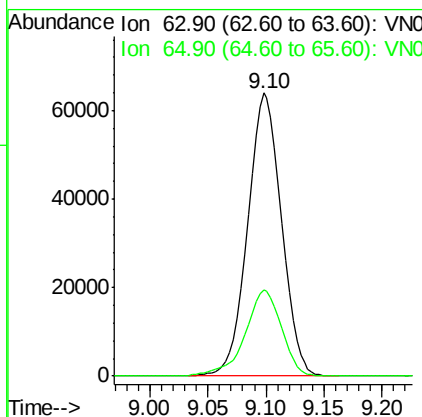
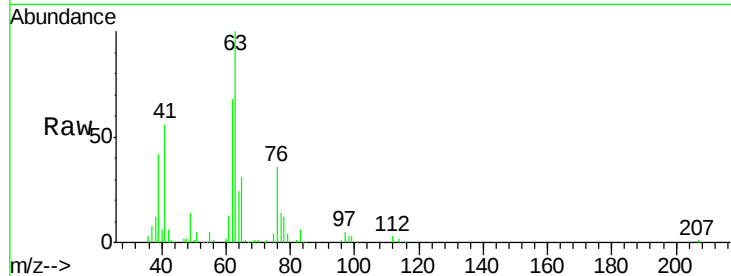
#45
 1,2-Dichloropropane
 Concen: 52.678 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 129940
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.4 38.0

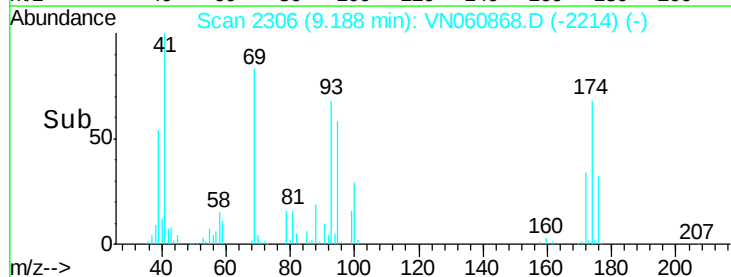
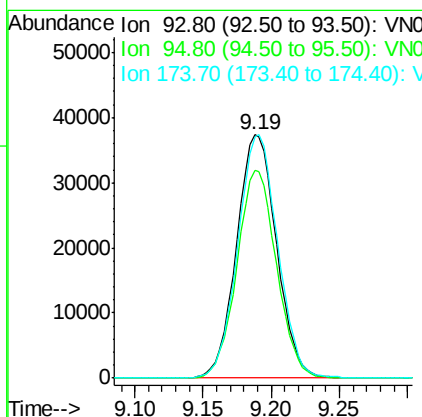
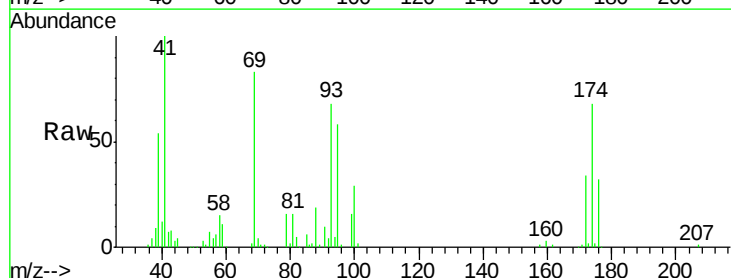
Manual Integrations
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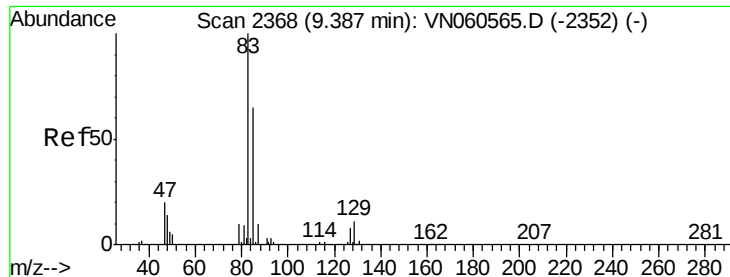
MMDadoda
 4/8/2020 9:39:24 AM



#46
 Dibromomethane
 Concen: 50.906 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion: 93 Resp: 75915
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.2 99.4
 174 100.0 77.9 116.9





#47

Bromodichloromethane

Concen: 51.957 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

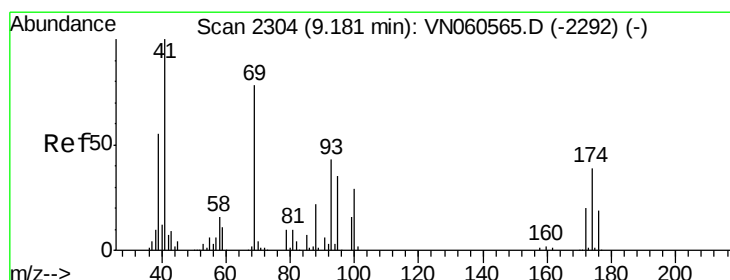
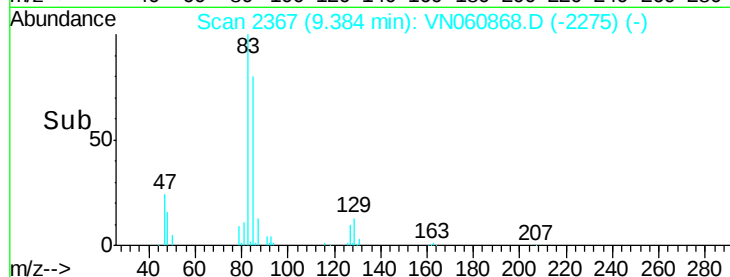
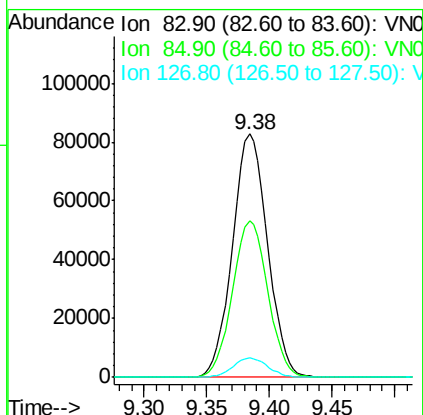
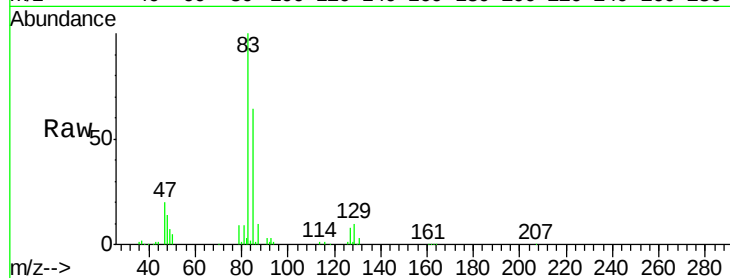
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	161007
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6
127	7.9	6.5	9.7

Manual Integrations
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MMDadoda
4/8/2020 9:39:24 AM



#48

Methyl methacrylate

Concen: 50.873 ug/l

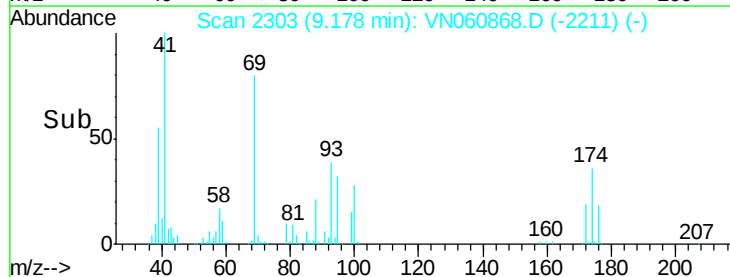
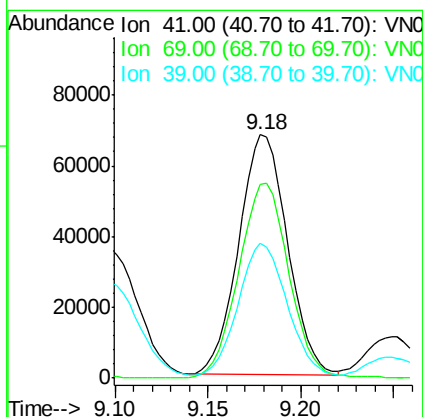
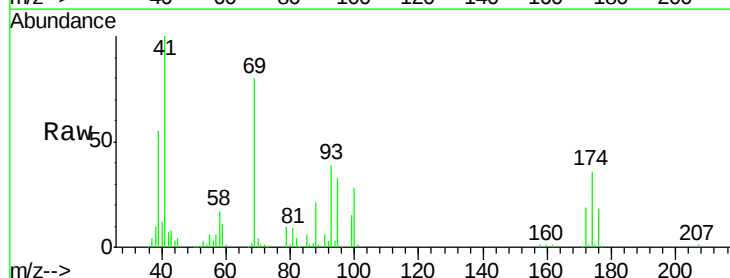
RT: 9.18 min Scan# 2303

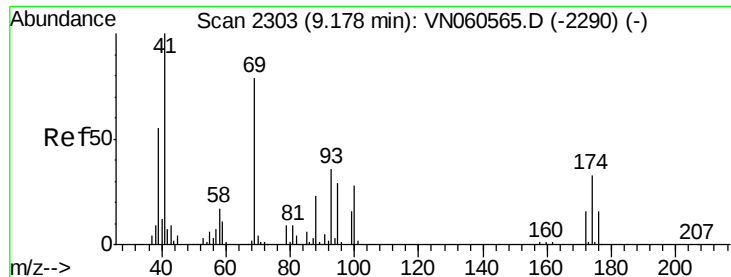
Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Tgt Ion:	41	Resp:	124991
Ion	Ratio	Lower	Upper
41	100		
69	83.6	65.4	98.0
39	54.6	44.0	66.0





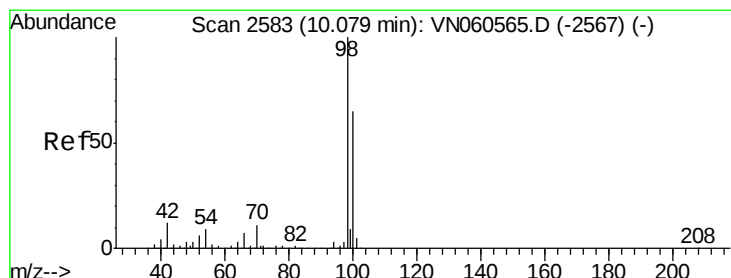
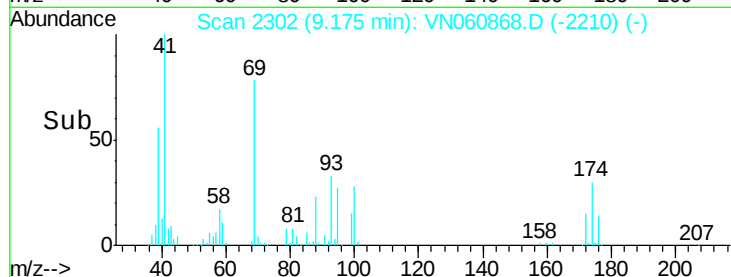
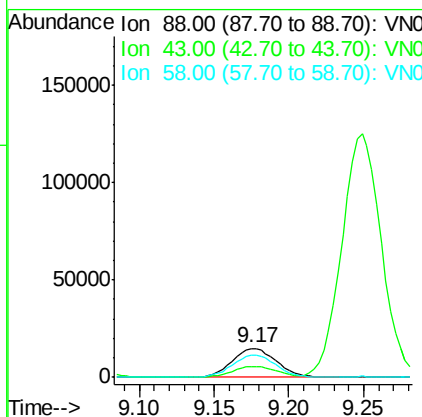
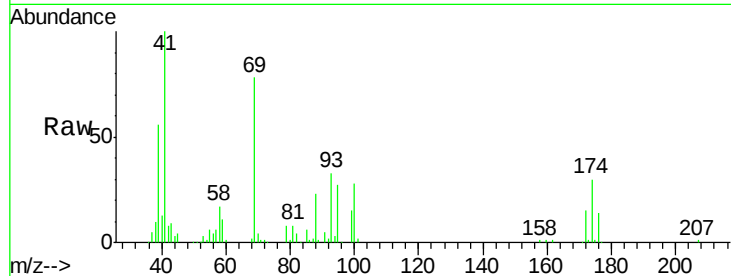
#49
1,4-Dioxane
Concen: 1047.144 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	30.8	46.2
58	76.1	59.8	89.8

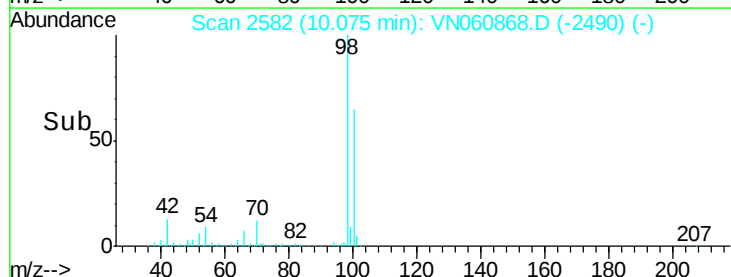
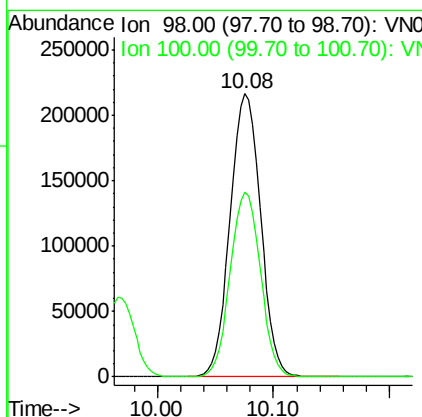
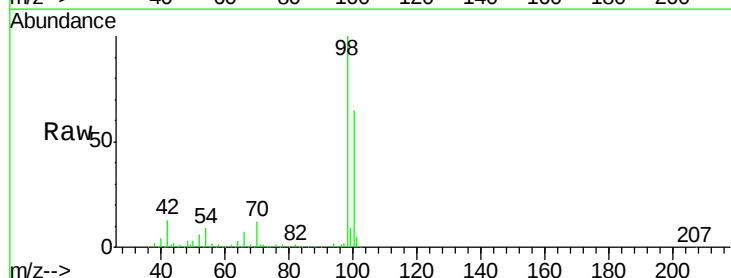
Manual Integrations
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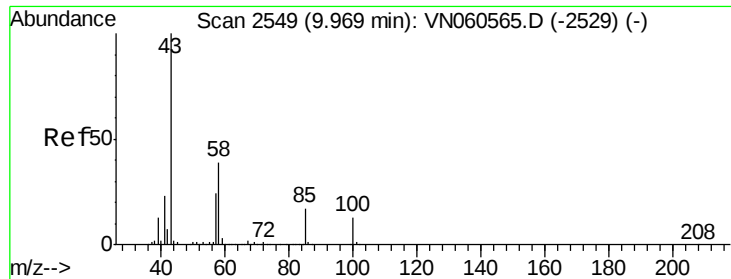
MMDadoda
4/8/2020 9:39:24 AM



#50
Toluene-d8
Concen: 50.135 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 266.553 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 837019

Ion Ratio Lower Upper

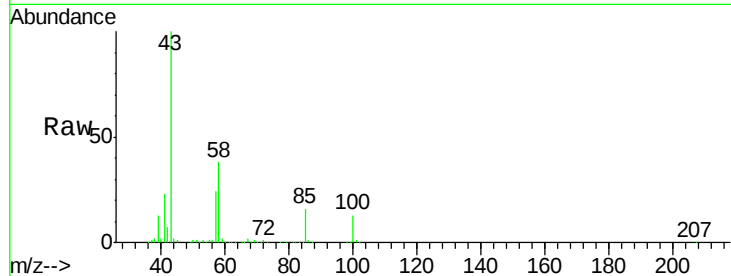
43 100

58 38.0 30.8 46.2

Manual Integrations
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MMDadoda

4/8/2020 9:39:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

500000

400000

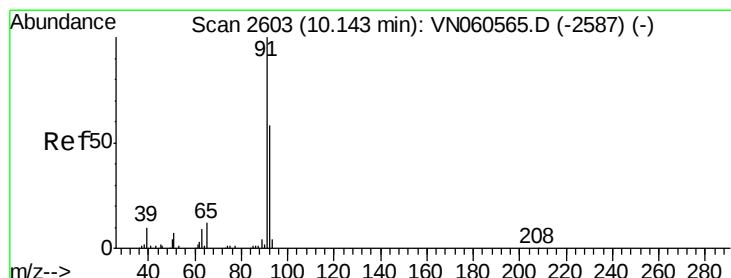
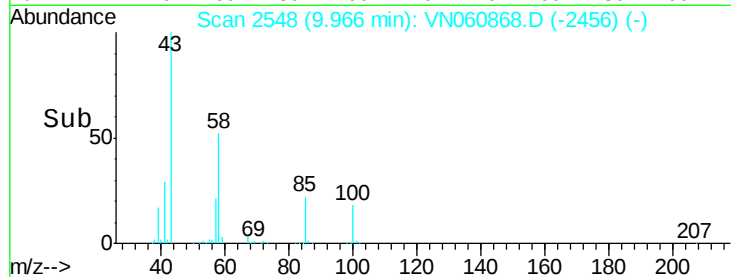
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.027 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060868.D

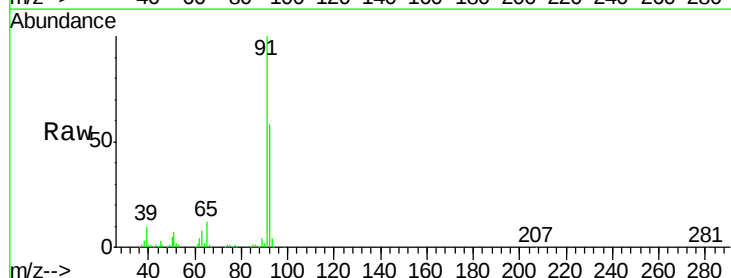
Acq: 7 Apr 2020 11:08

Tgt Ion: 92 Resp: 288082

Ion Ratio Lower Upper

92 100

91 171.9 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

10.14

300000

250000

200000

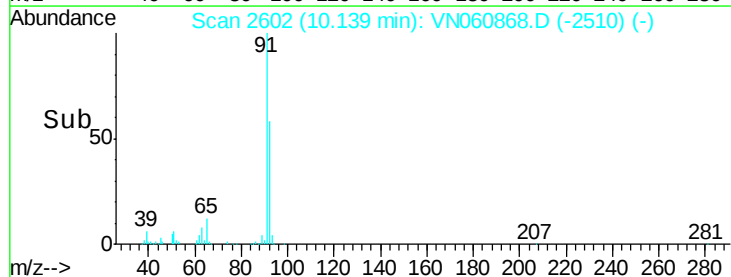
150000

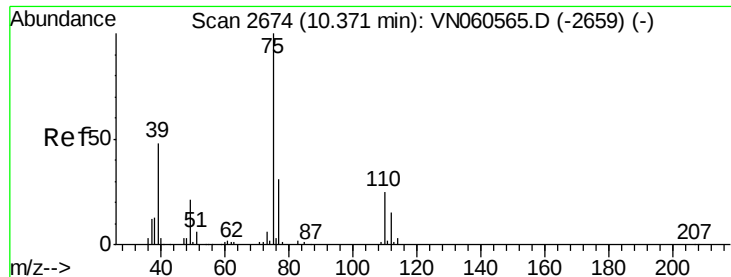
100000

50000

0

Time-->





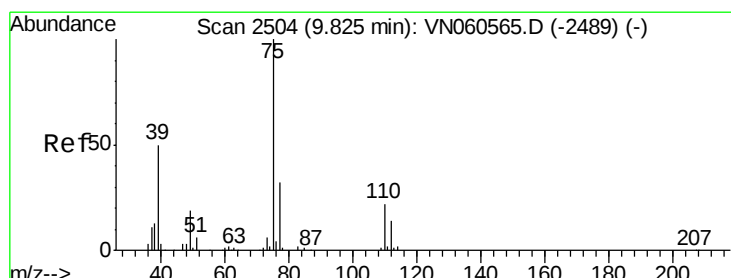
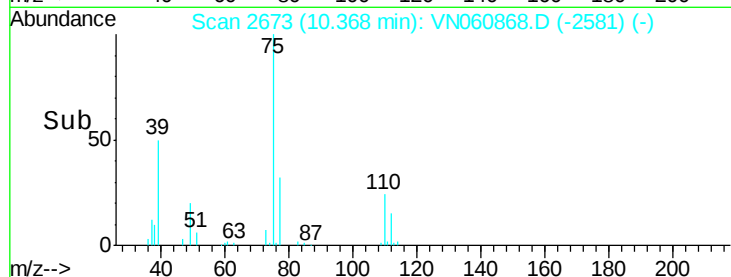
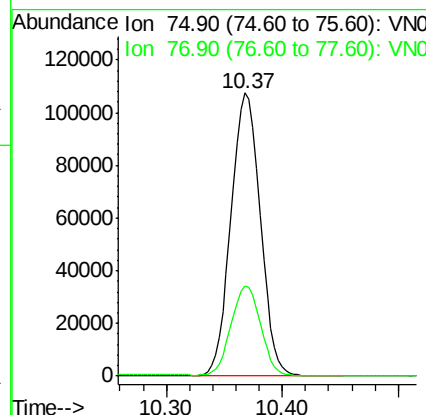
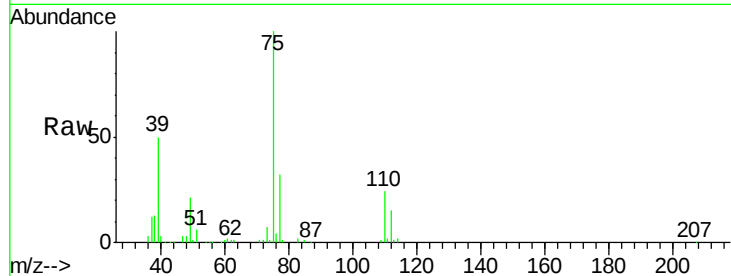
#53
t-1,3-Dichloropropene
Concen: 52.919 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 188368
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7

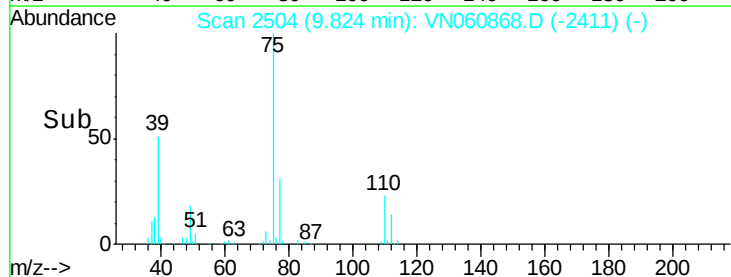
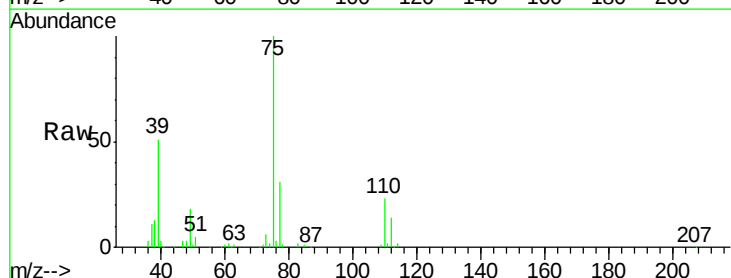
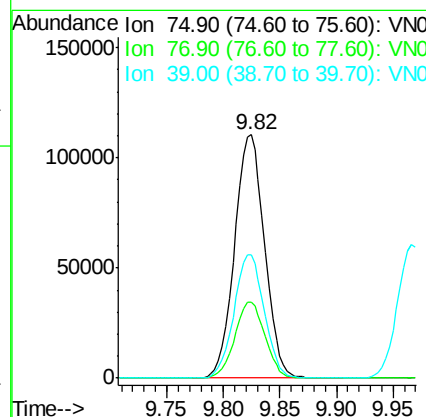
Manual Integrations
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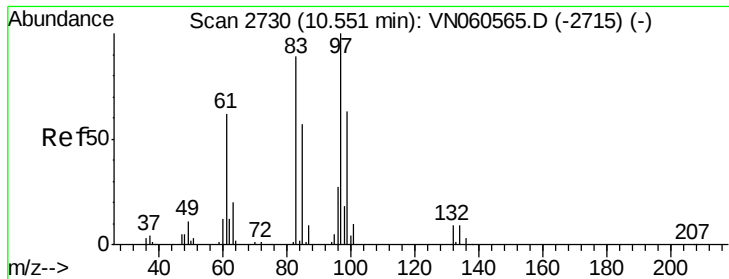
MMDadoda
4/8/2020 9:39:24 AM



#54
cis-1,3-Dichloropropene
Concen: 52.125 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 75 Resp: 203550
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0
39 50.8 40.2 60.4





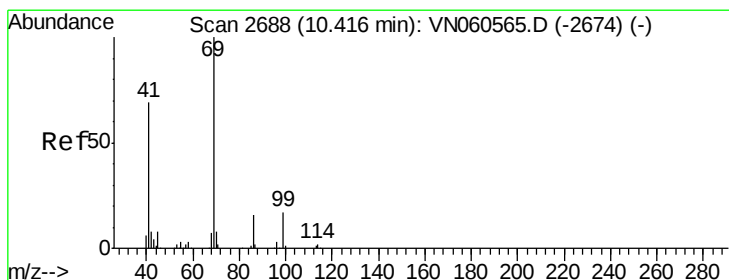
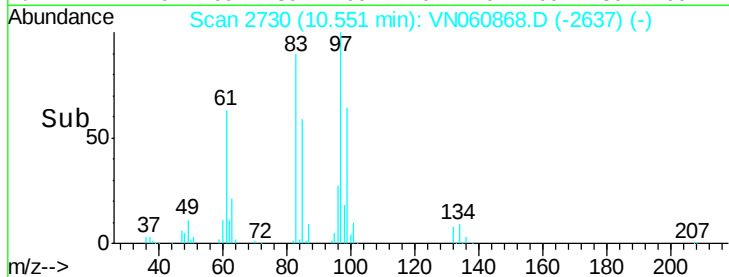
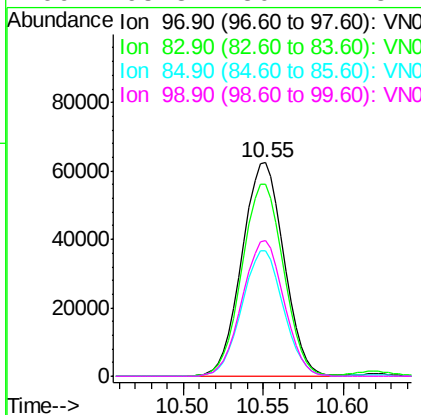
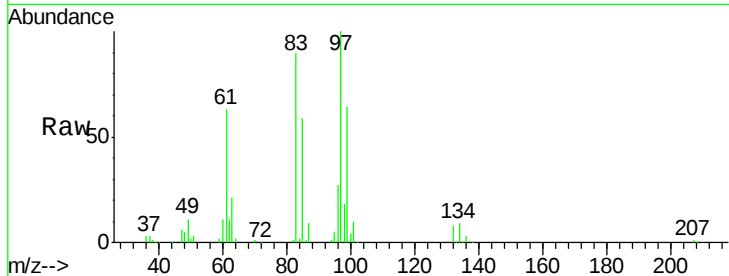
#55
 1,1,2-Trichloroethane
 Concen: 51.784 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	112474
Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.3	106.9
85	58.6	45.2	67.8
99	63.8	50.1	75.1

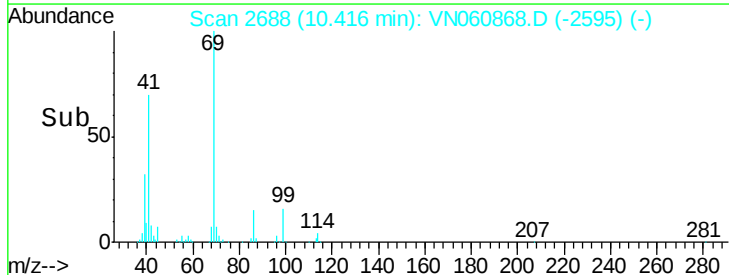
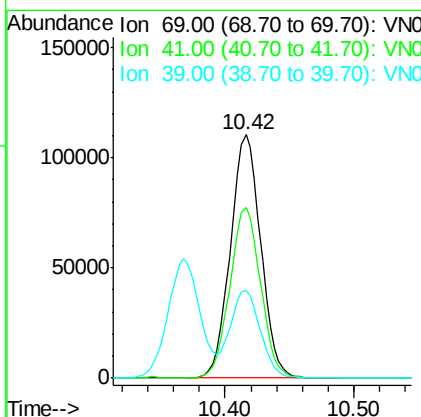
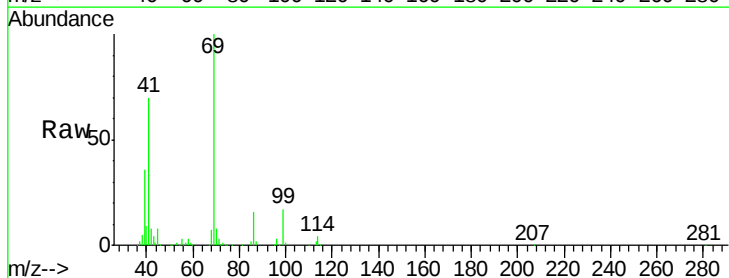
Manual Integrations
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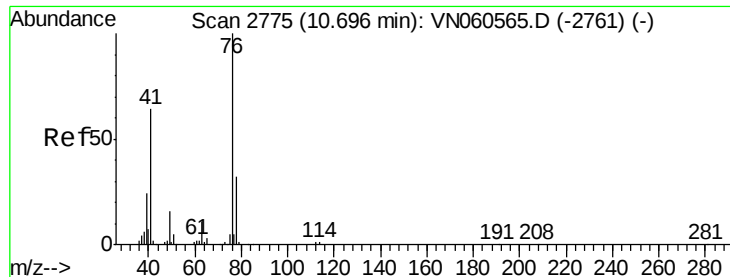
MMDadoda
 4/8/2020 9:39:24 AM



#56
 Ethyl methacrylate
 Concen: 53.310 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion:	69	Resp:	180540
Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.4	83.2
39	35.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 52.005 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 196008

Ion Ratio Lower Upper

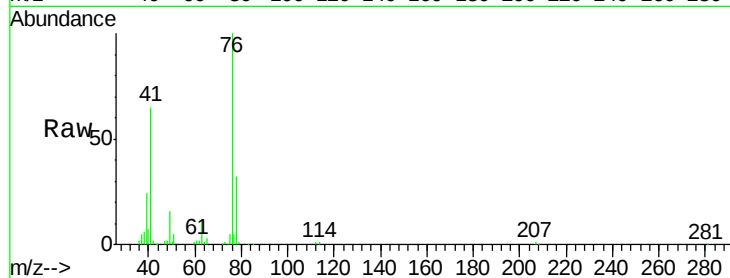
76 100

78 32.2 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

4/8/2020 9:39:24 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

120000

100000

80000

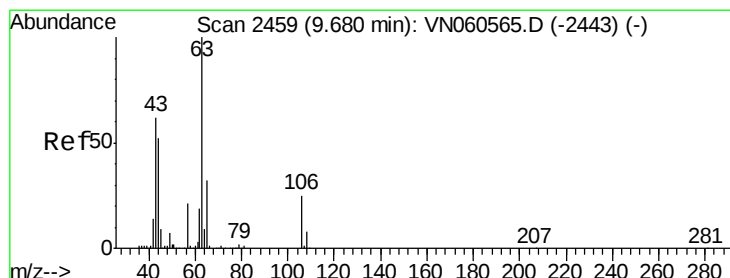
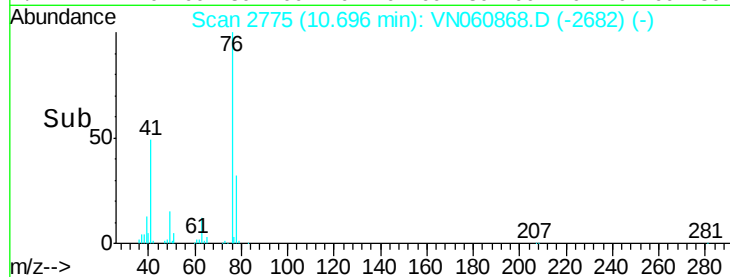
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 254.391 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060868.D

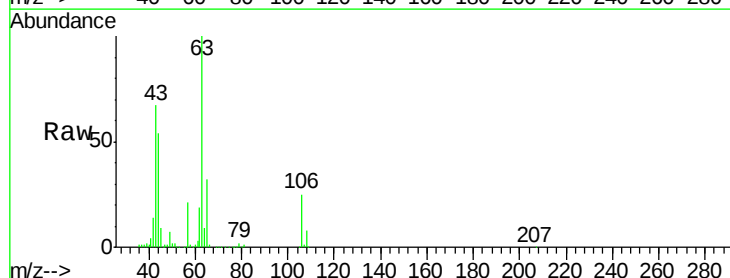
Acq: 7 Apr 2020 11:08

Tgt Ion: 63 Resp: 428187

Ion Ratio Lower Upper

63 100

106 24.8 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

250000

200000

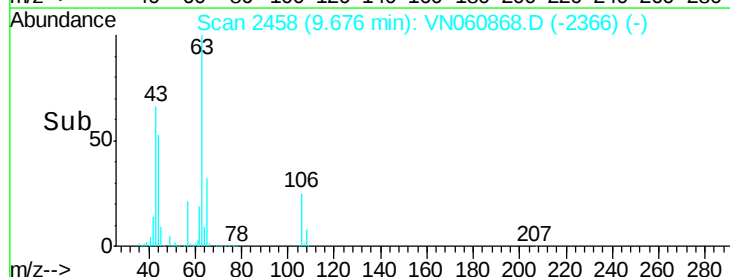
150000

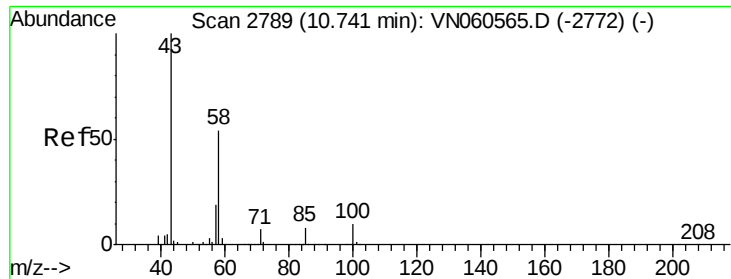
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80





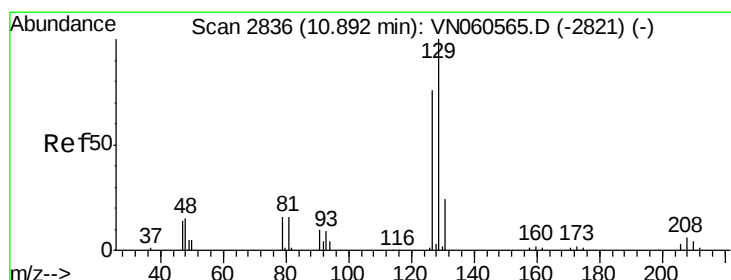
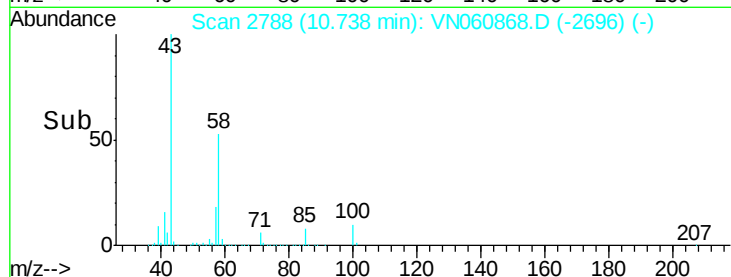
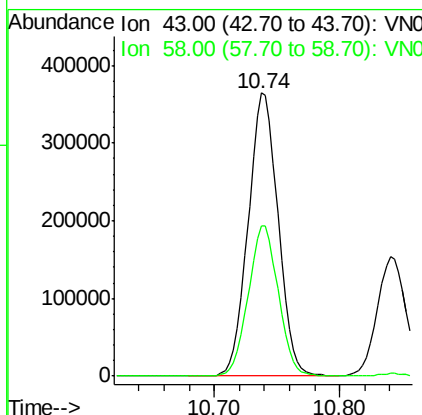
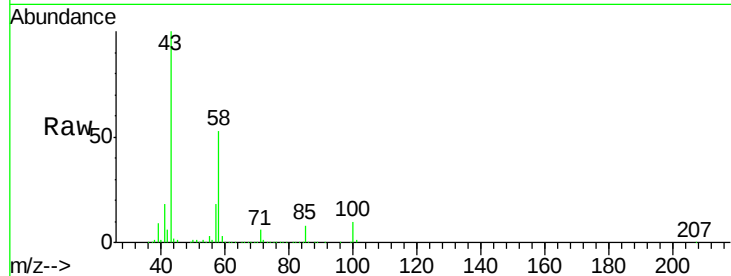
#59
2-Hexanone
Concen: 268.261 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 606813
Ion Ratio Lower Upper
43 100
58 53.3 26.7 80.1

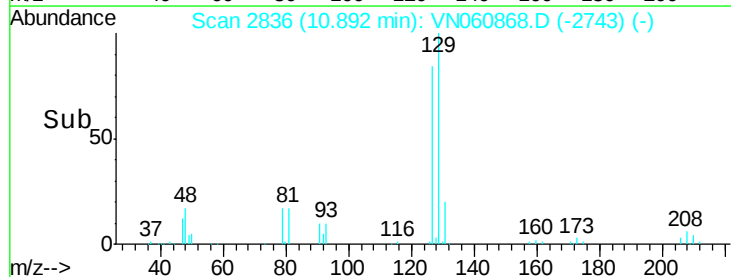
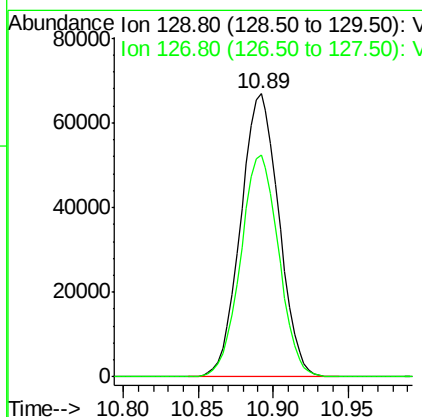
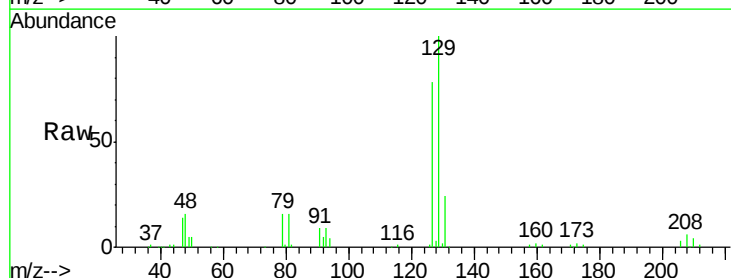
Manual Integrations
APPROVED

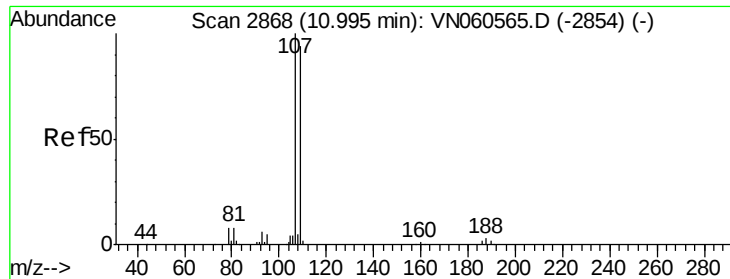
MMDadoda
4/8/2020 9:39:24 AM



#60
Dibromochloromethane
Concen: 53.163 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 129 Resp: 119273
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





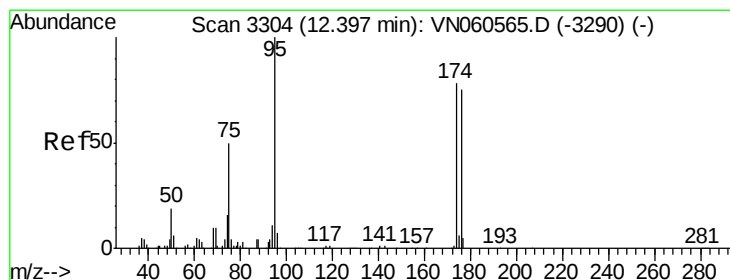
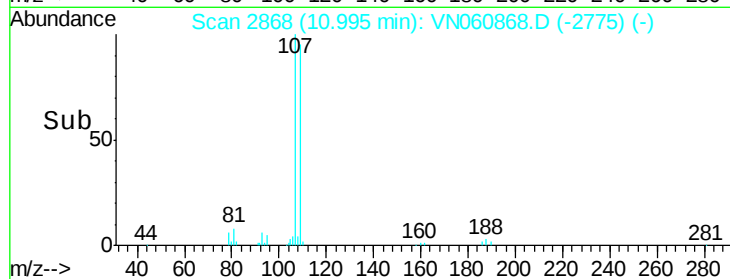
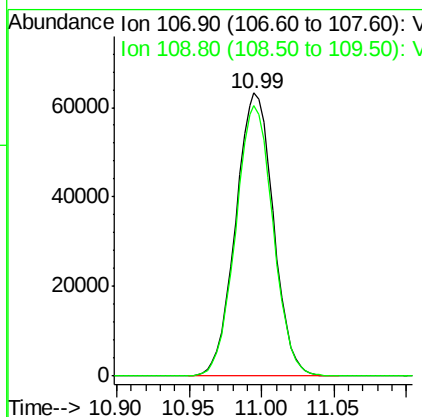
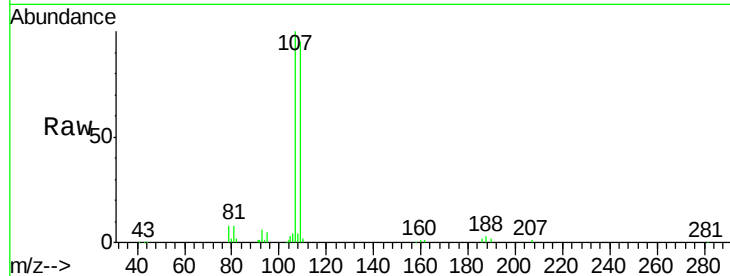
#61
 1,2-Dibromoethane
 Concen: 52.258 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.2

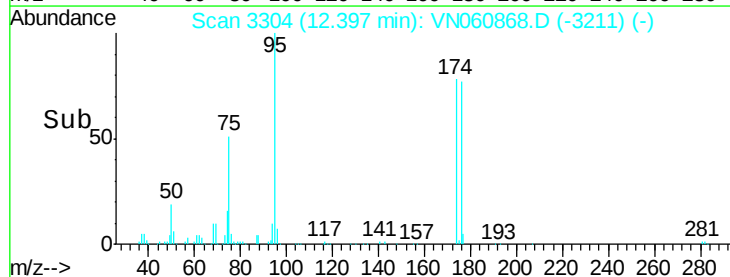
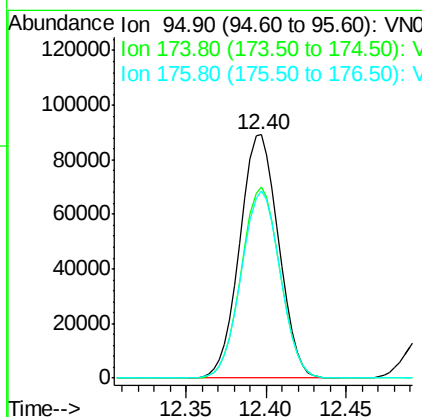
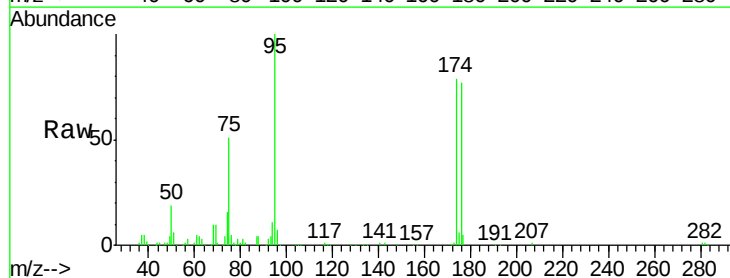
Manual Integrations
 APPROVED

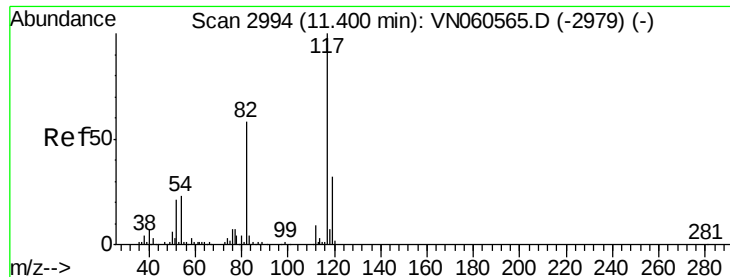
MMDadoda
 4/8/2020 9:39:24 AM



#62
 4-Bromofluorobenzene
 Concen: 51.082 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	157.6
176	77.1	0.0	150.6





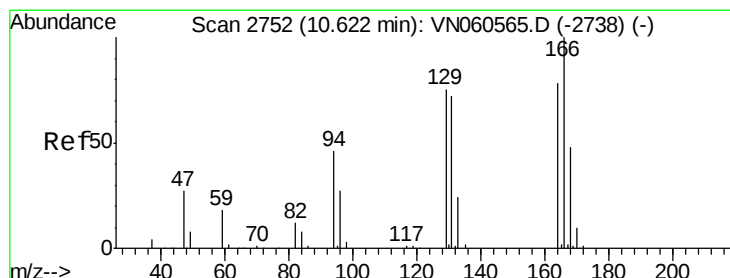
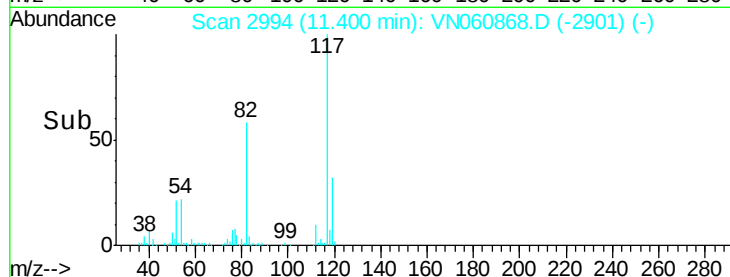
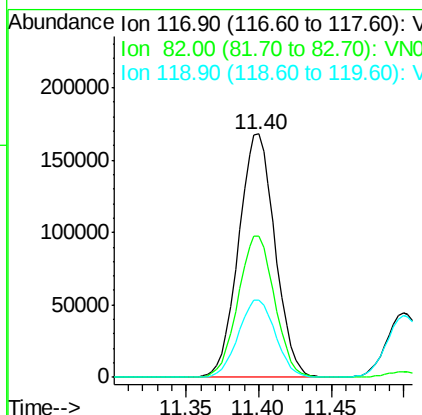
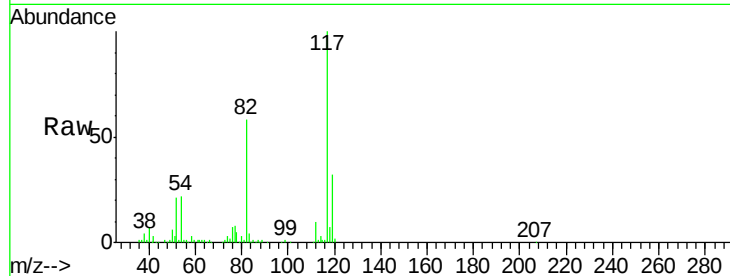
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293140		
82	58.1	46.7	70.1	
119	31.7	25.5	38.3	

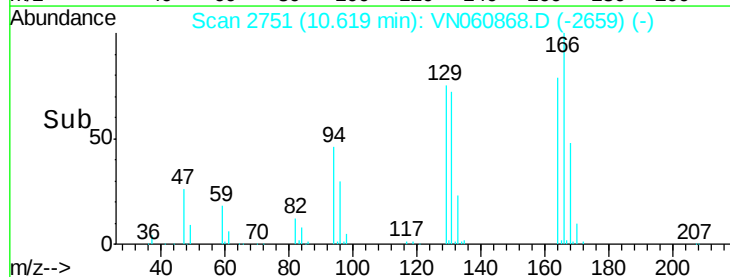
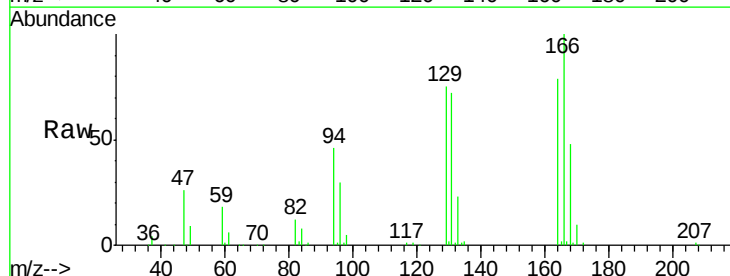
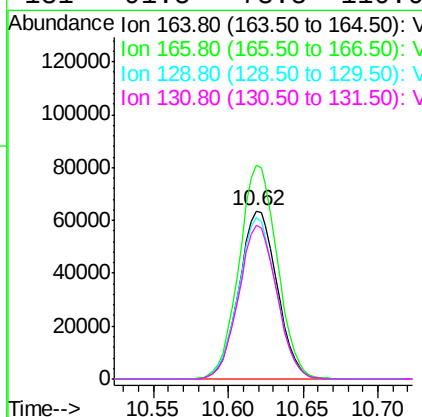
Manual Integrations
APPROVED

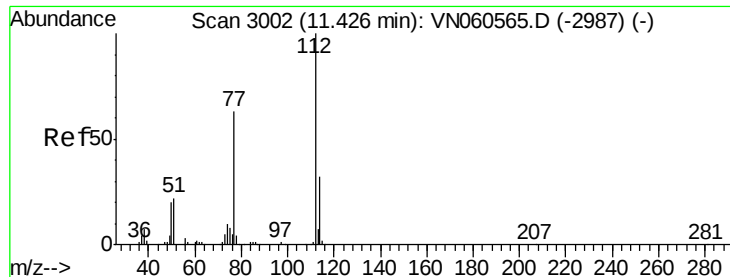
MMDadoda
4/8/2020 9:39:24 AM



#64
Tetrachloroethene
Concen: 48.853 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	112692		
166	127.1	102.7	154.1	
129	95.7	77.2	115.8	
131	91.5	73.8	110.6	





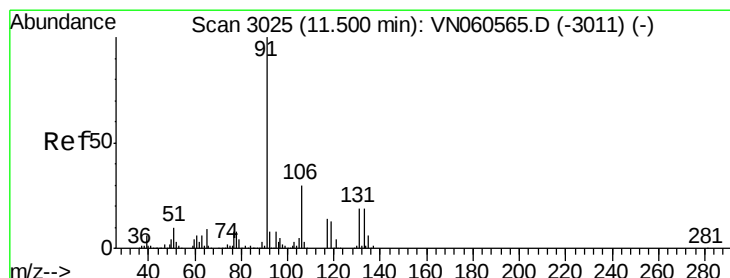
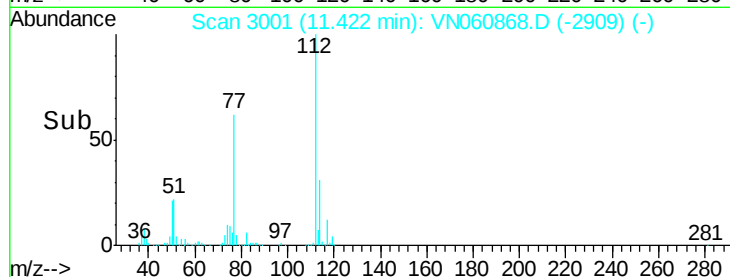
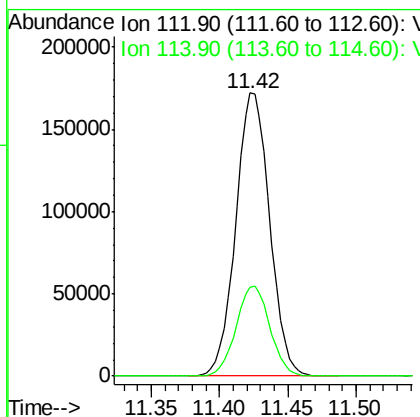
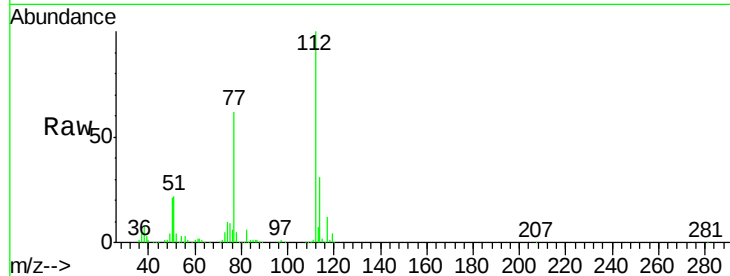
#65
Chlorobenzene
Concen: 51.036 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	296579		
114	31.5	25.8	38.6	

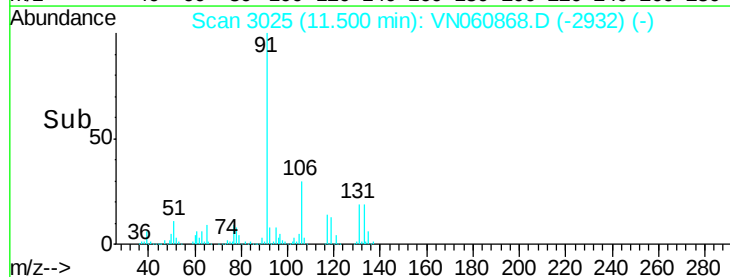
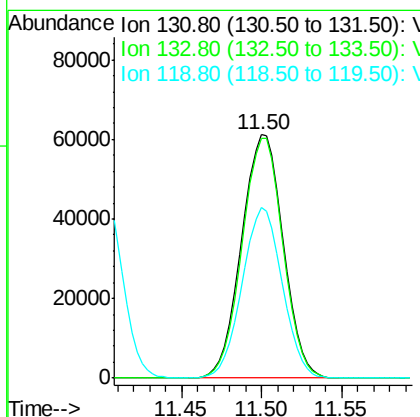
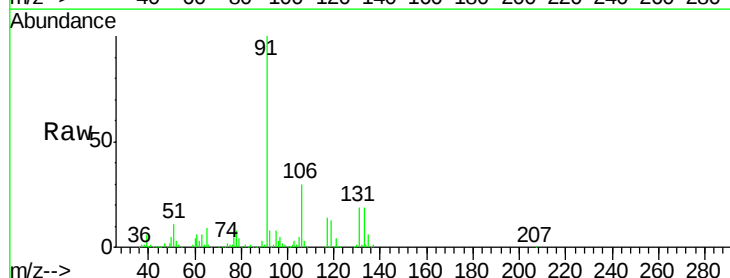
Manual Integrations
APPROVED

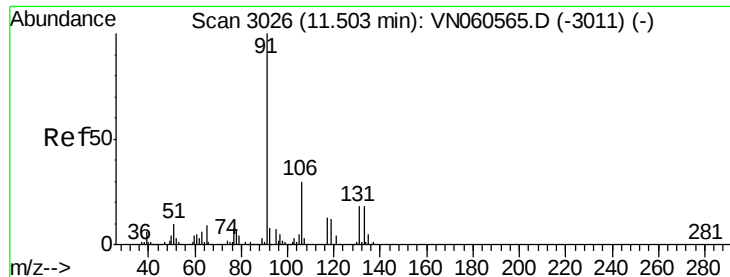
MMDadoda
4/8/2020 9:39:24 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.741 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	108866		
133	96.4	48.9	146.8	
119	67.5	33.9	101.7	





#67

Ethyl Benzene

Concen: 51.592 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 557551

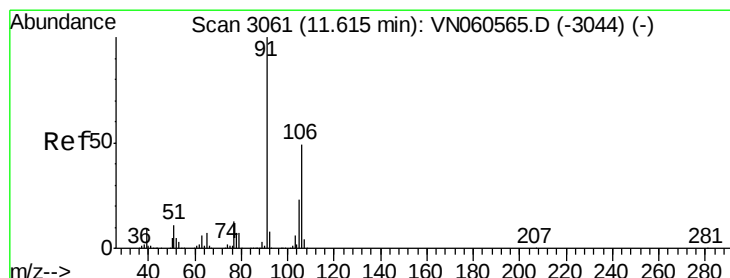
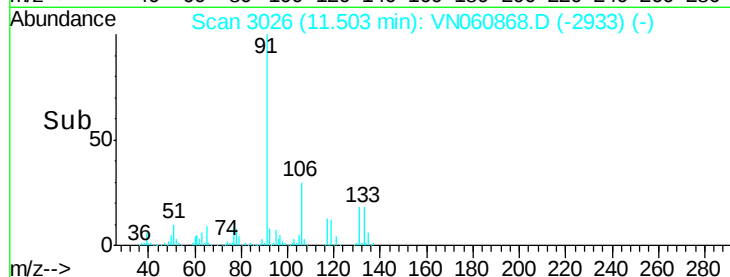
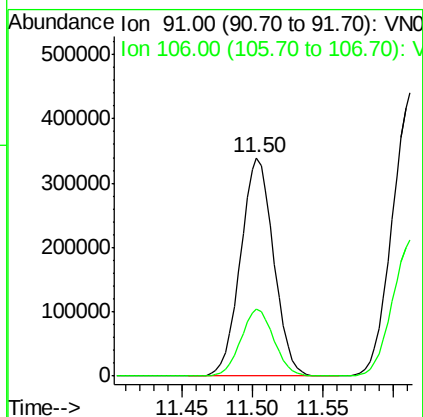
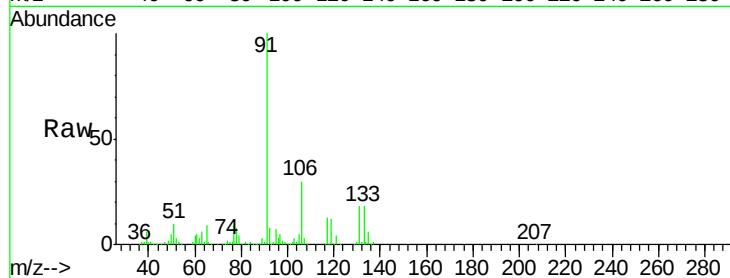
Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.2

Manual Integrations
APPROVED

MMDadoda
4/8/2020 9:39:24 AM



#68

m/p-Xylenes

Concen: 102.857 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060868.D

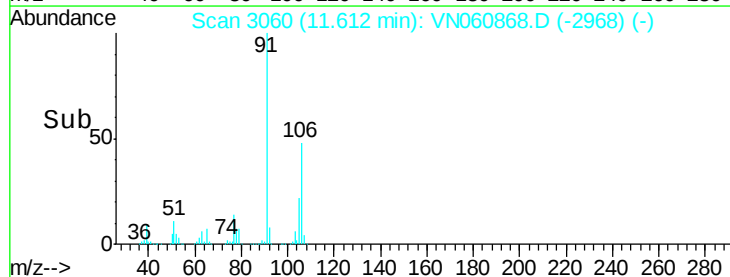
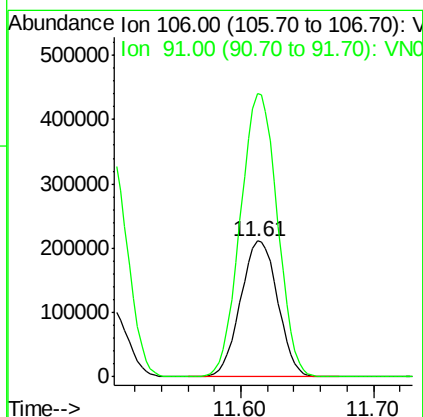
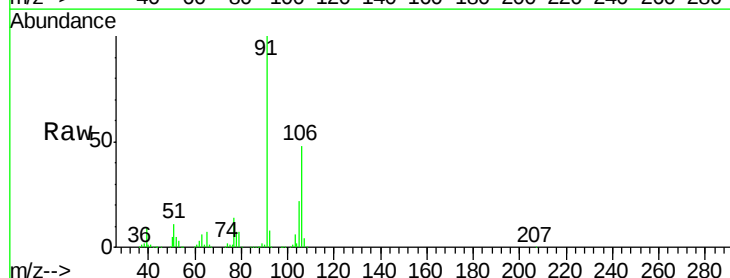
Acq: 7 Apr 2020 11:08

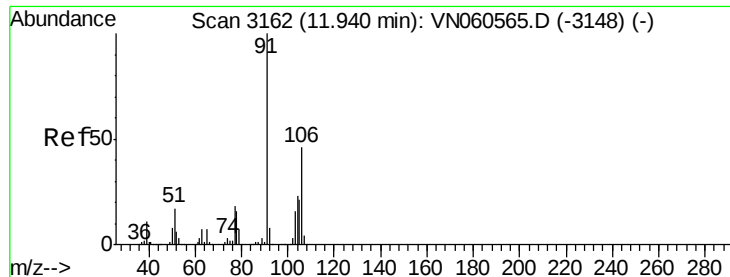
Tgt Ion: 106 Resp: 413062

Ion Ratio Lower Upper

106 100

91 207.0 165.0 247.4





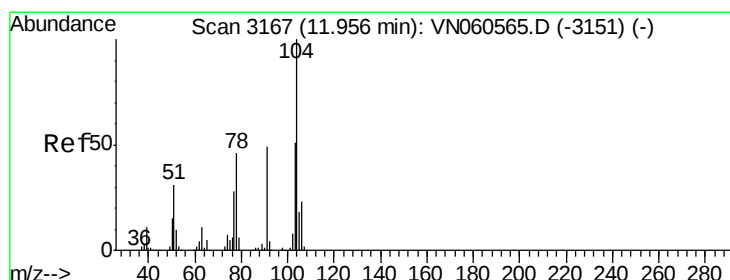
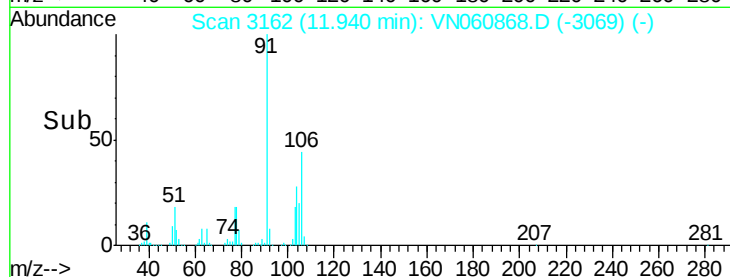
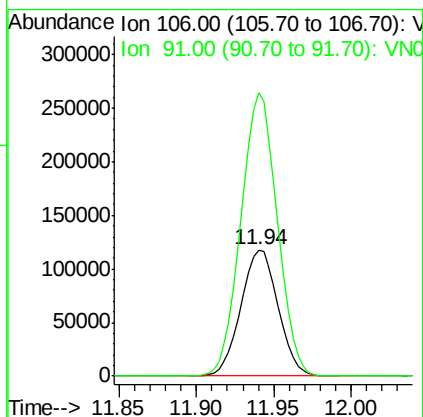
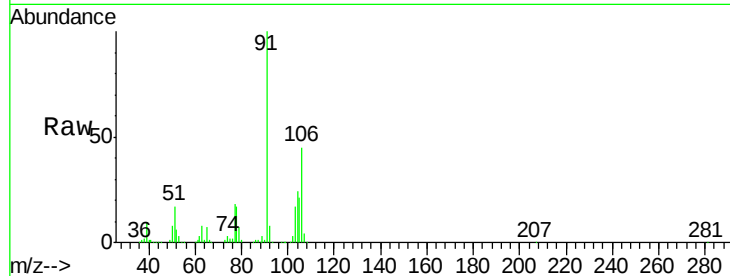
#69
o-Xylene
Concen: 51.223 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.2	109.5	328.4

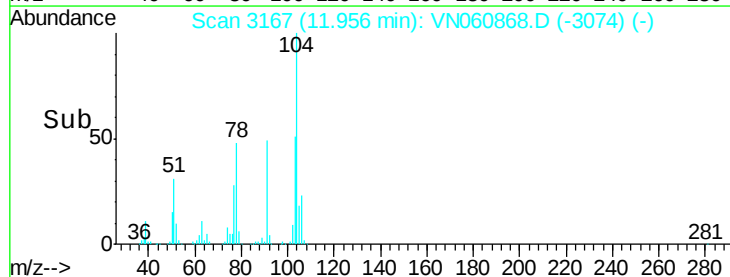
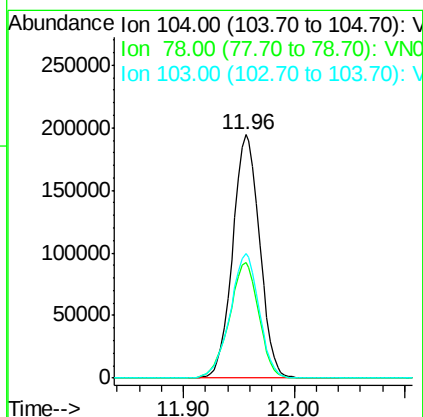
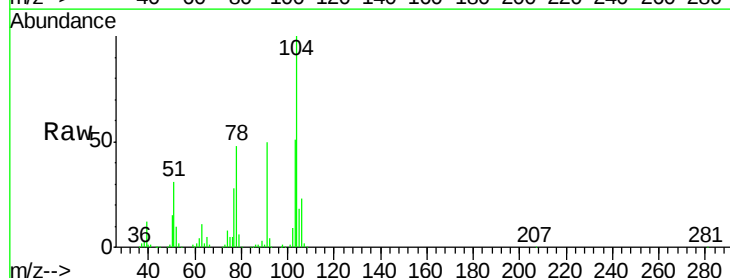
Manual Integrations
APPROVED

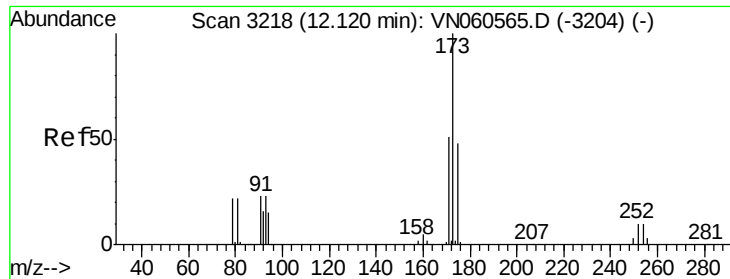
MMDadoda
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#70
Styrene
Concen: 52.572 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.2	61.8
103	54.9	44.0	66.0





#71

Bromoform

Concen: 49.156 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 85909

Ion Ratio Lower Upper

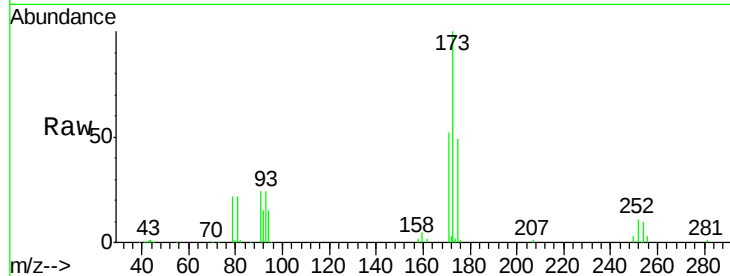
173 100

175 48.2 24.1 72.4

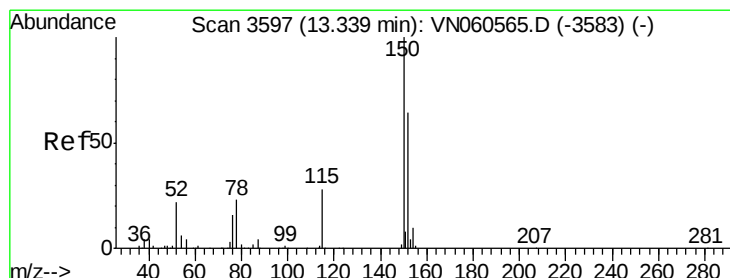
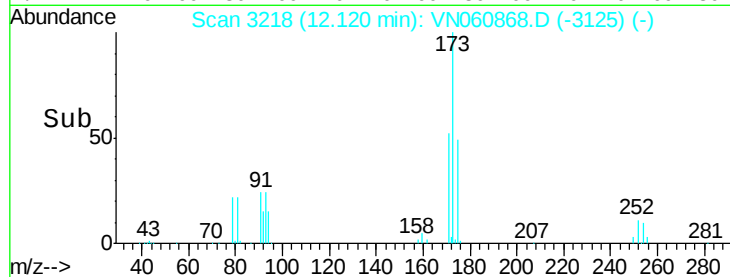
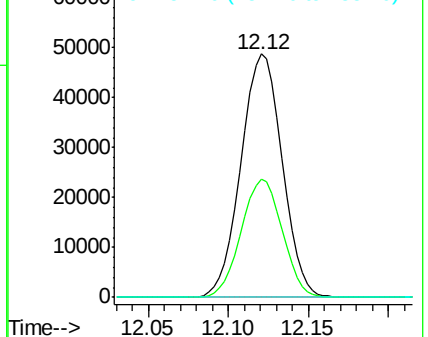
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

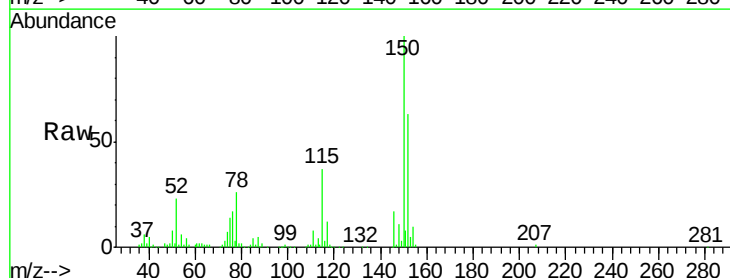
Tgt Ion:152 Resp: 144294

Ion Ratio Lower Upper

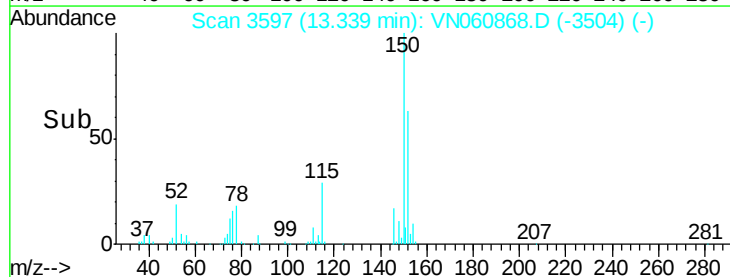
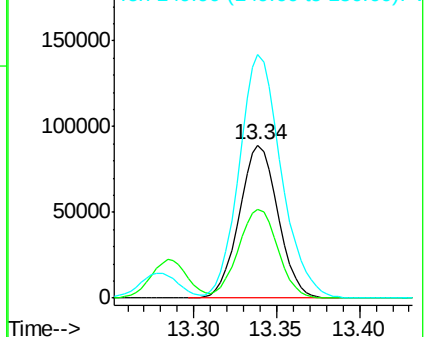
152 100

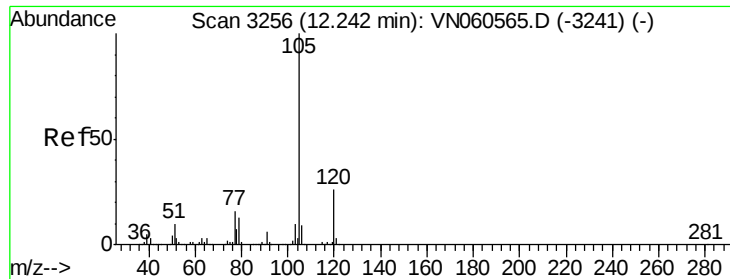
115 59.5 30.2 90.6

150 173.7 0.0 350.2



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





#73

Isopropylbenzene

Concen: 49.521 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 536246

Ion Ratio Lower Upper

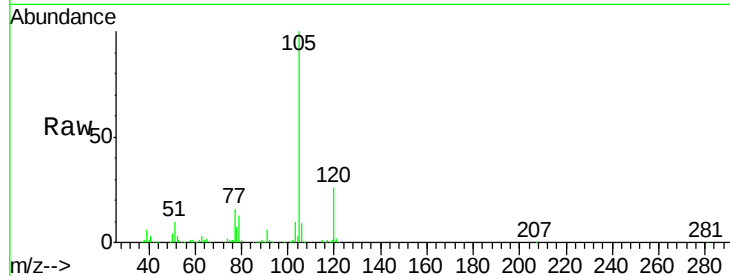
105 100

120 26.1 13.1 39.1

Manual Integrations
APPROVED

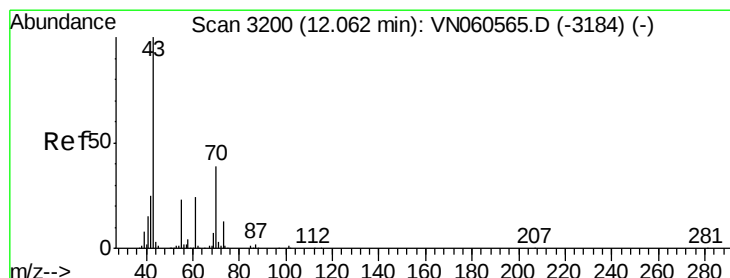
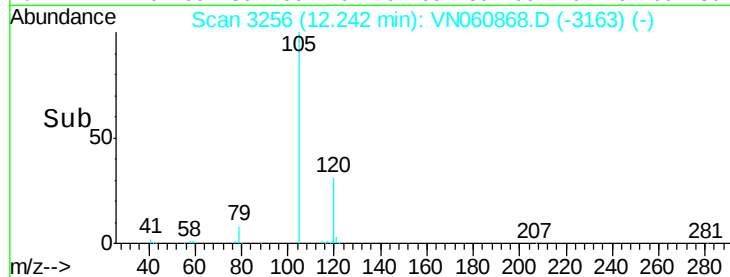
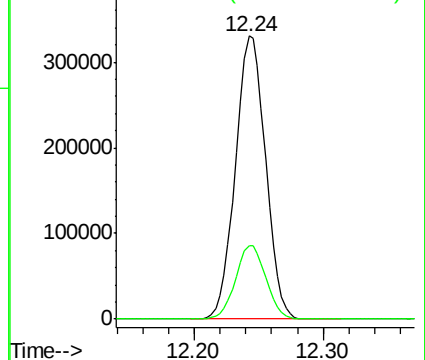
MMDadoda

4/8/2020 9:39:24 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.316 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Tgt Ion: 43 Resp: 246770

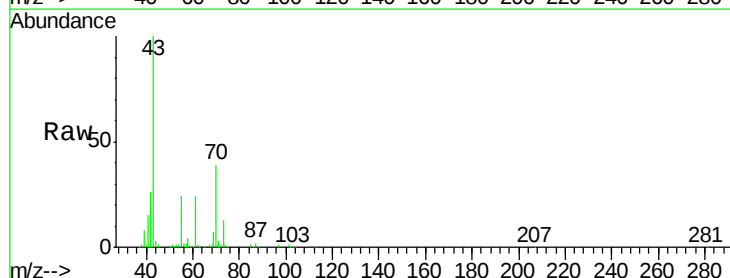
Ion Ratio Lower Upper

43 100

70 38.6 31.1 46.7

55 23.8 18.6 27.8

61 23.6 18.9 28.3

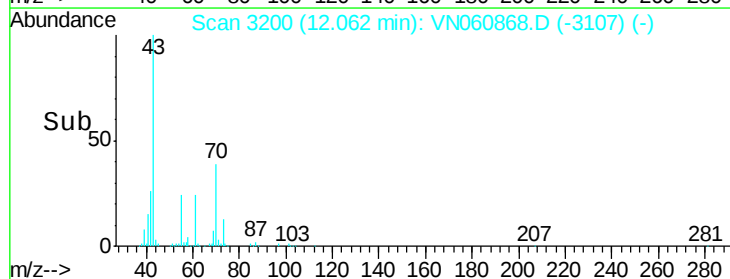
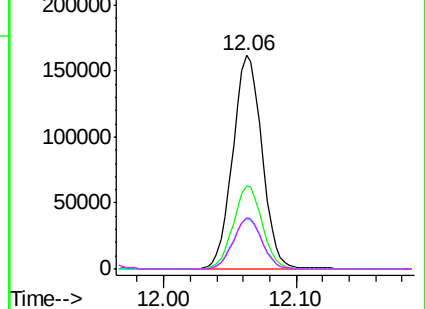


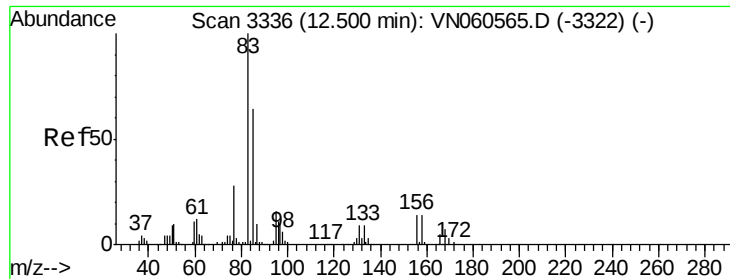
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.220 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 164455

Ion Ratio Lower Upper

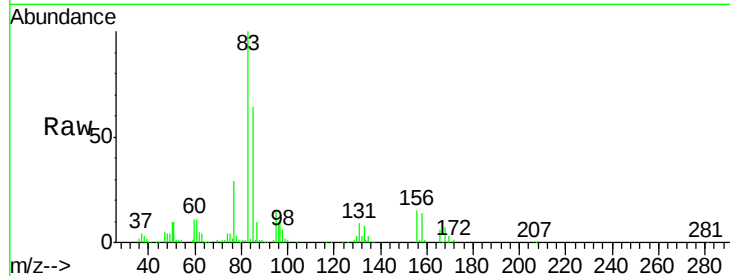
83 100

131 9.5 4.9 14.7

85 64.3 32.5 97.4

Manual Integrations
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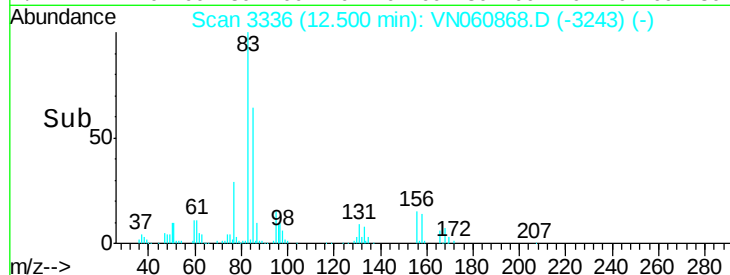


Abundance Ion 82.90 (82.60 to 83.60): VN060868.D (-3322) (-)

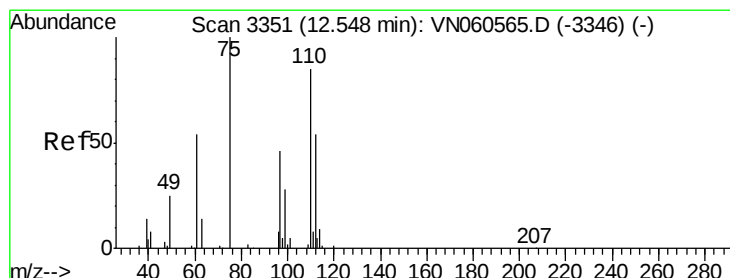
Ion 130.80 (130.50 to 131.50): VN060868.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060868.D (-3322) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 48.442 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060868.D

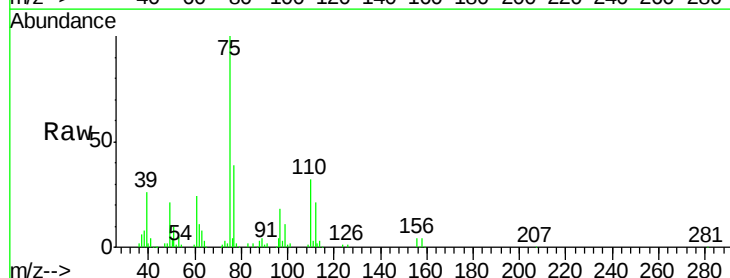
Acq: 7 Apr 2020 11:08

Tgt Ion: 75 Resp: 150829

Ion Ratio Lower Upper

75 100

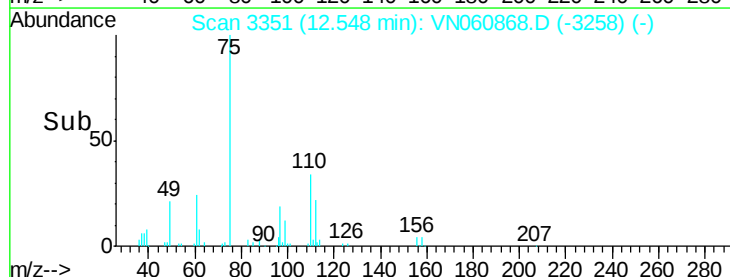
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060868.D (-3351) (-)

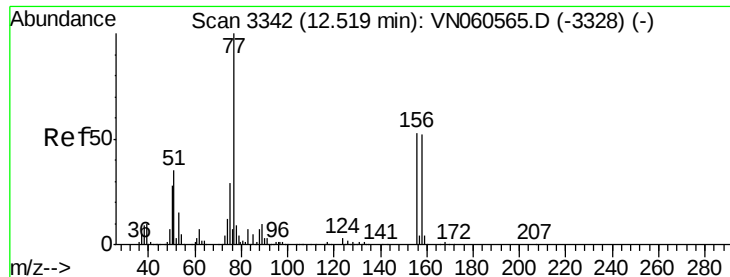
Ion 77.00 (76.70 to 77.70): VN060868.D (-3351) (-)

Time-->



Time-->

Time-->



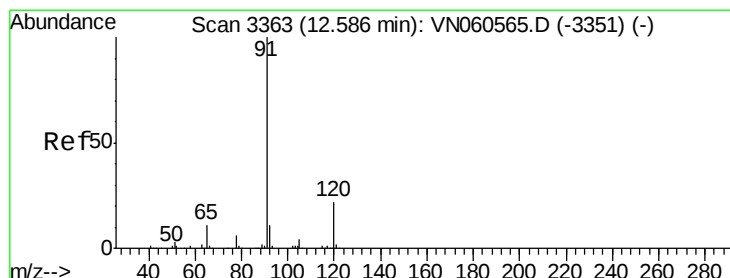
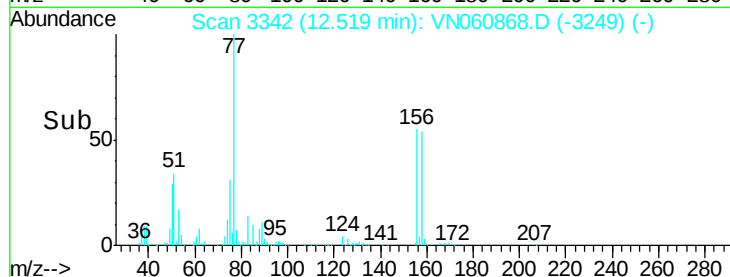
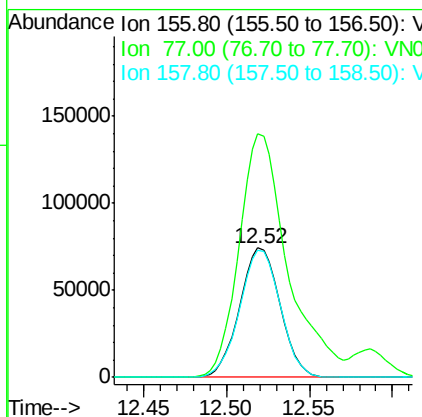
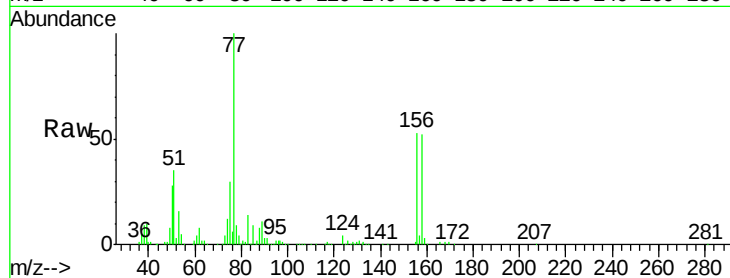
#77
Bromobenzene
Concen: 48.440 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	226.8	112.3	337.0
158	98.6	48.6	145.8

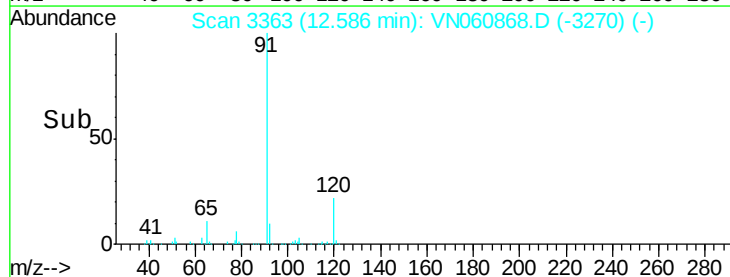
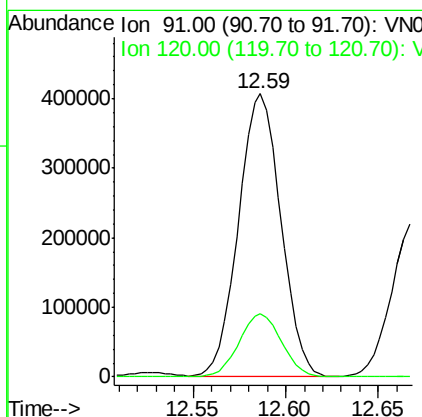
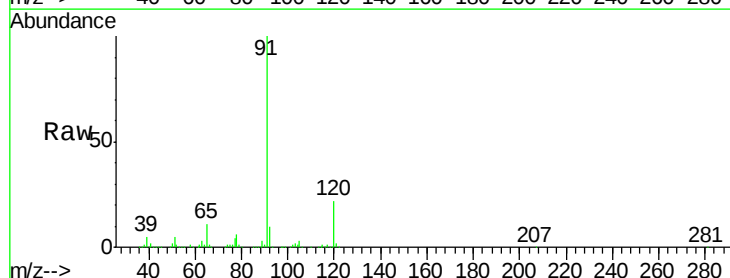
Manual Integrations
APPROVED

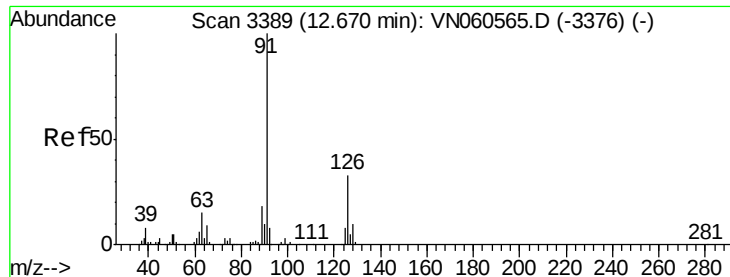
MMDadoda
4/8/2020 9:39:24 AM



#78
n-propylbenzene
Concen: 50.210 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.8





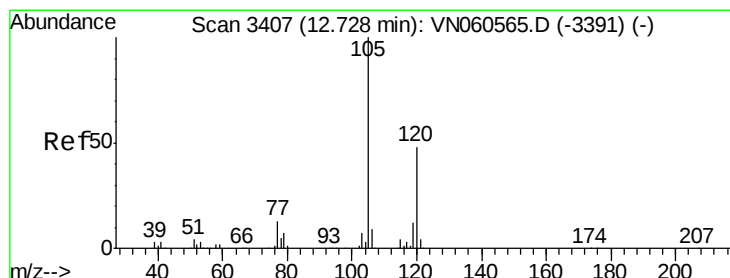
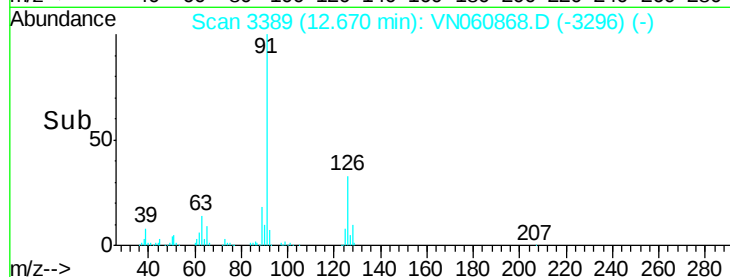
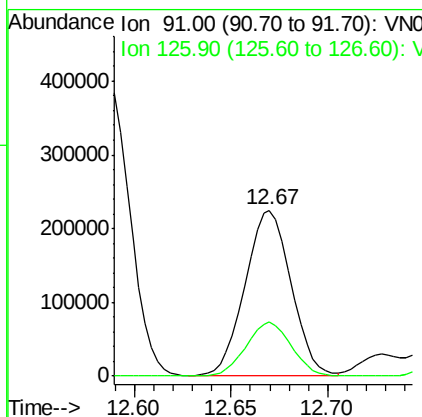
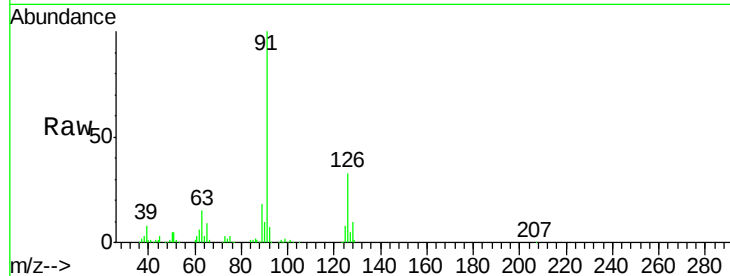
#79
 2-Chlorotoluene
 Concen: 48.672 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 372053
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.4 49.1

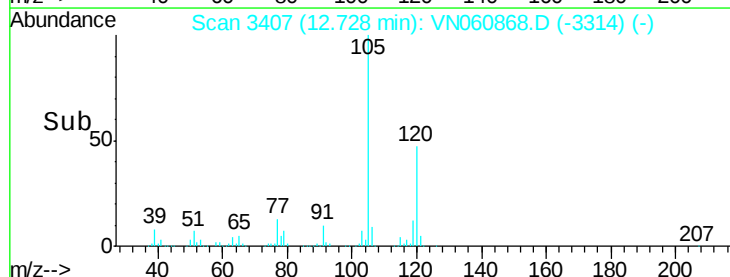
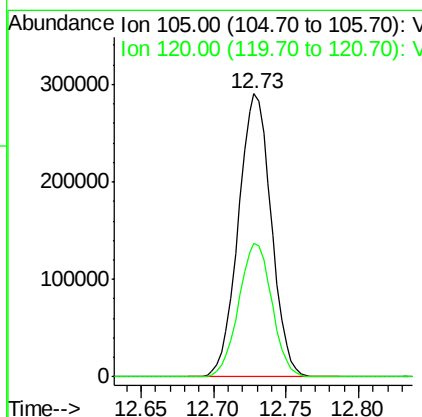
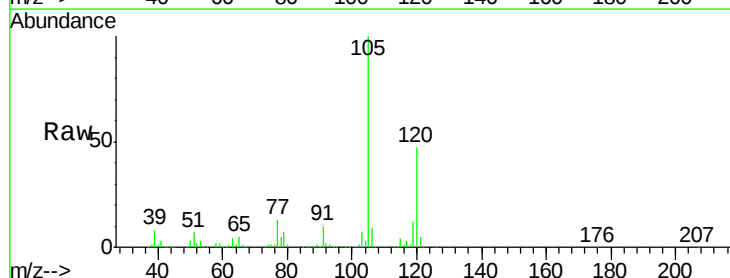
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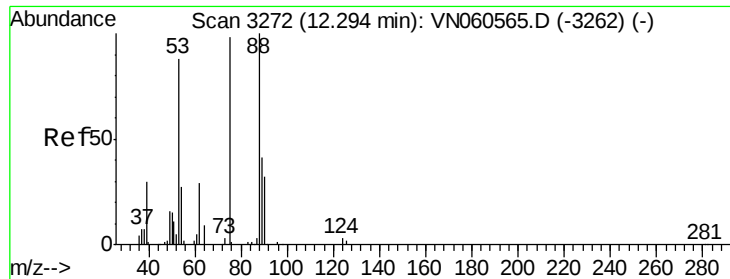
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.700 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion: 105 Resp: 456722
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 50.296 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

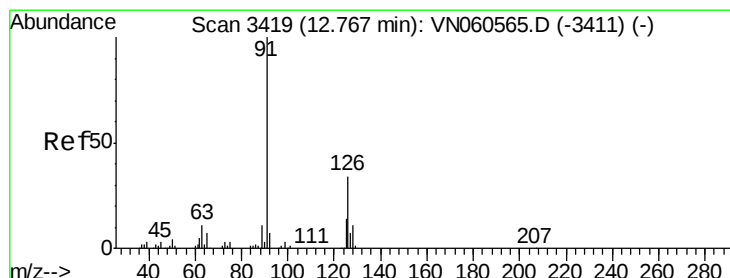
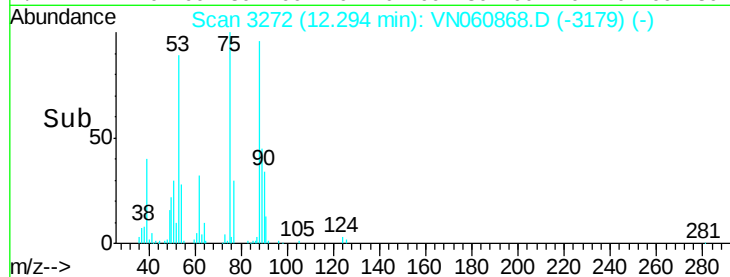
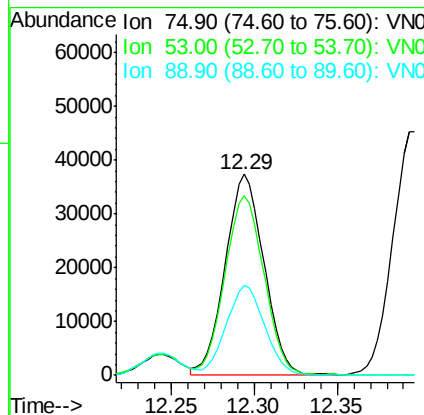
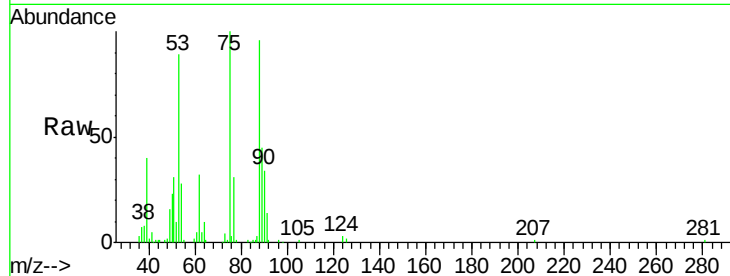
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	60974
Ion	Ratio	Lower	Upper
75	100		
53	89.5	73.0	109.4
89	44.3	34.8	52.2

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#82

4-Chlorotoluene

Concen: 49.569 ug/l

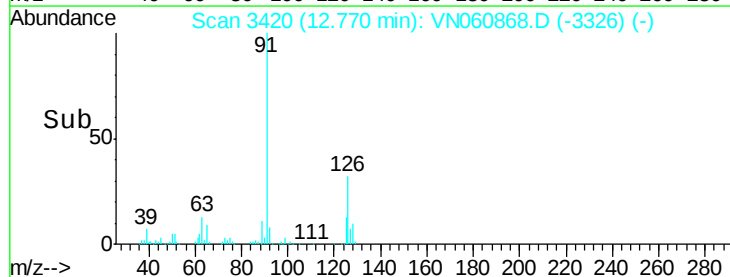
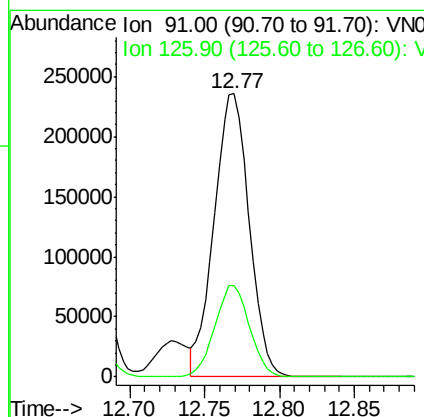
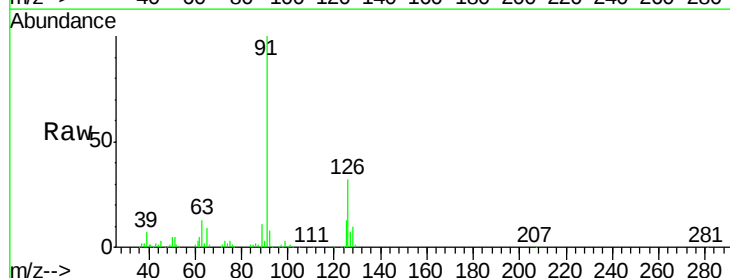
RT: 12.77 min Scan# 3420

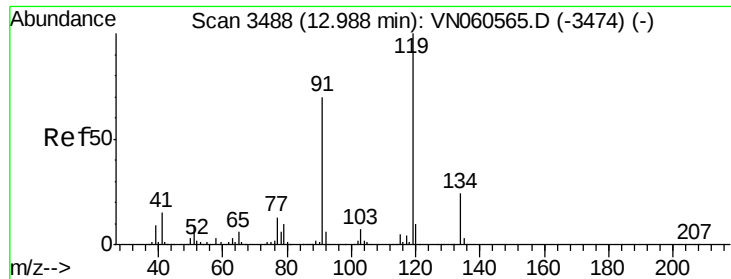
Delta R.T. 0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Tgt Ion:	91	Resp:	385914
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





#83

tert-Butylbenzene

Concen: 49.986 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

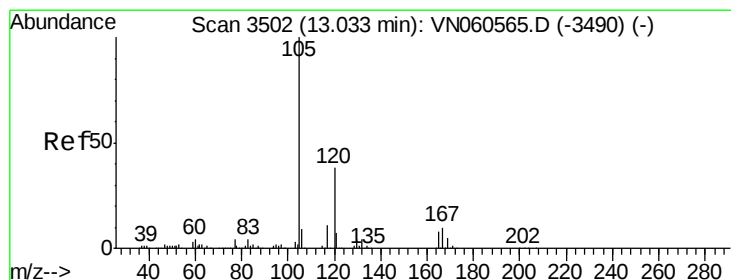
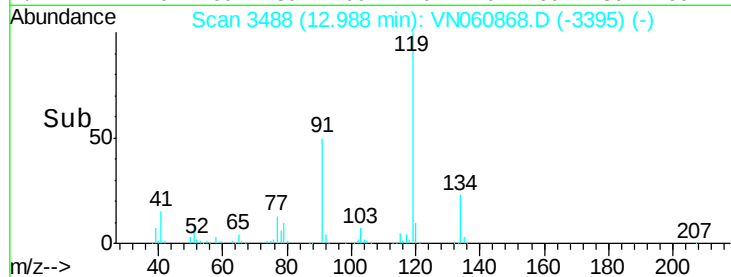
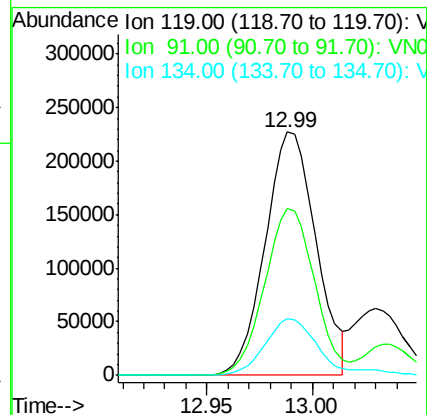
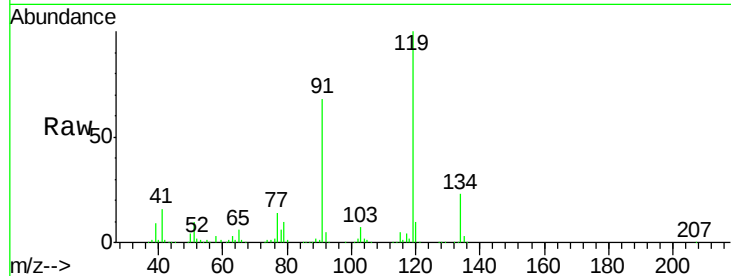
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	380788
Ion Ratio	Lower	Upper	
119	100		
91	67.6	34.0	101.8
134	24.9	12.7	38.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.141 ug/l

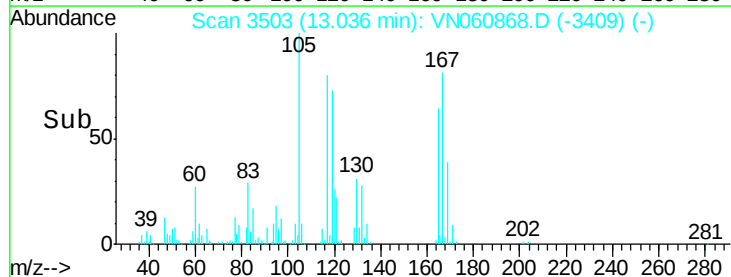
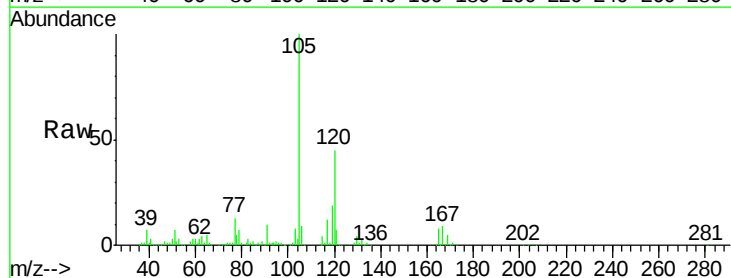
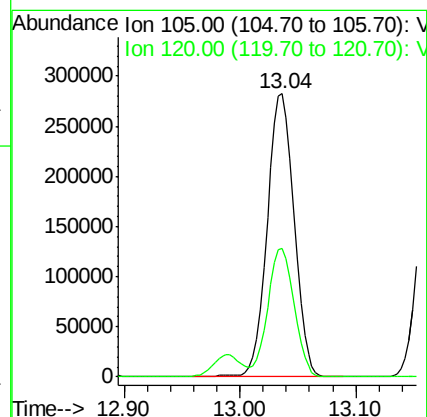
RT: 13.04 min Scan# 3503

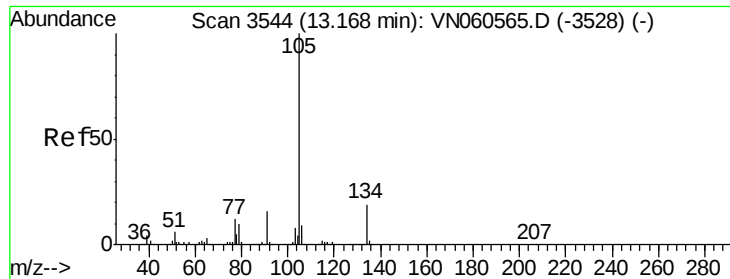
Delta R.T. 0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Tgt Ion:	105	Resp:	455840
Ion Ratio	Lower	Upper	
105	100		
120	44.6	22.1	66.5





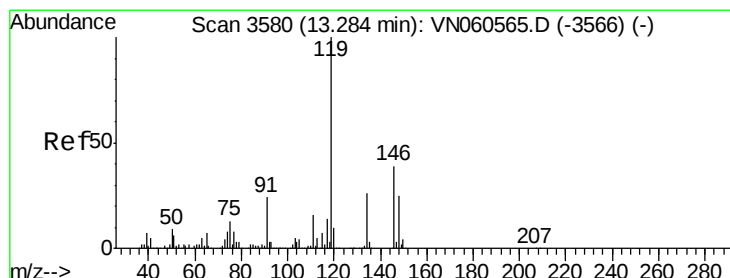
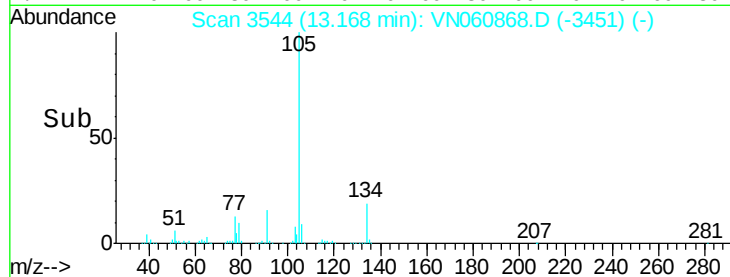
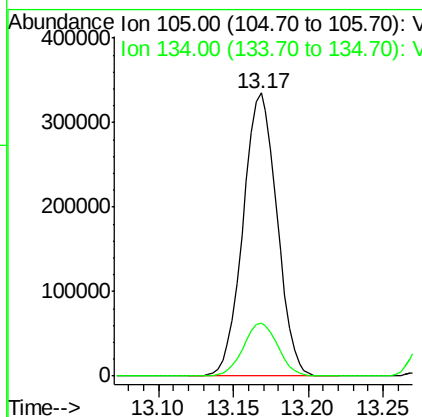
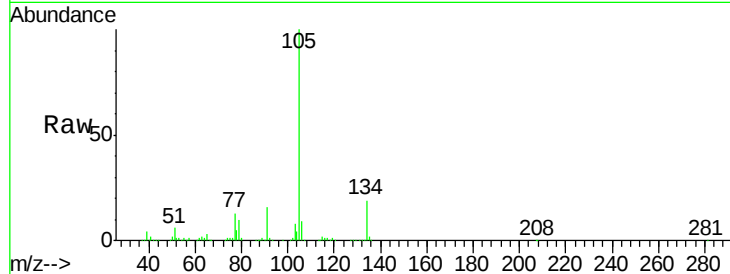
#85
 sec-Butylbenzene
 Concen: 51.647 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	529062		
134	19.0	9.6	28.8	

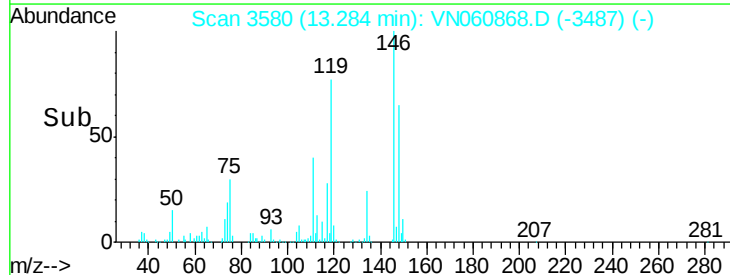
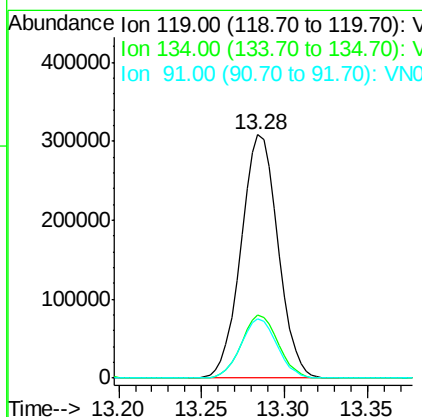
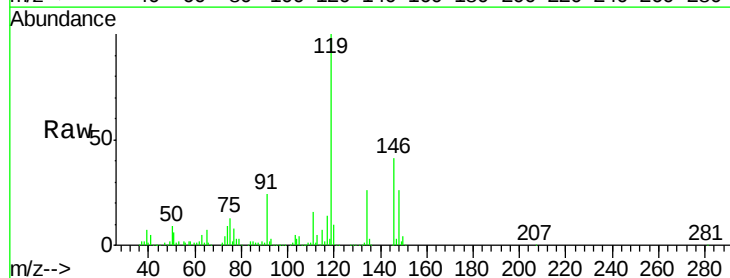
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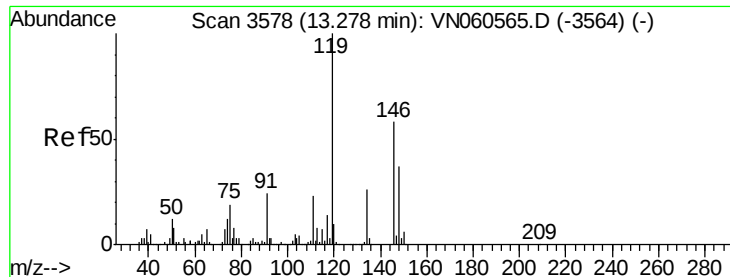
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 4/8/2020 9:39:24 AM



#86
 p-Isopropyltoluene
 Concen: 51.612 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	475425		
134	25.9	13.0	39.0	
91	24.2	12.0	36.0	





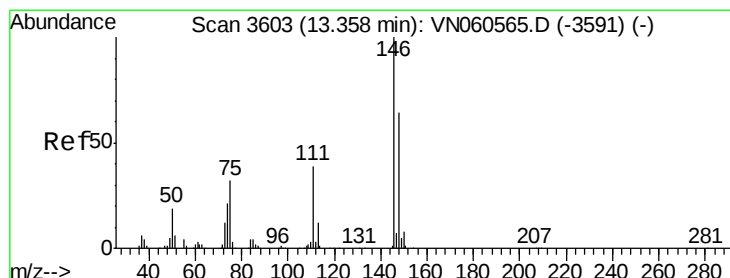
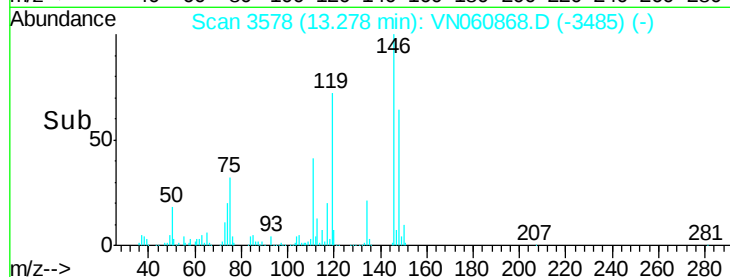
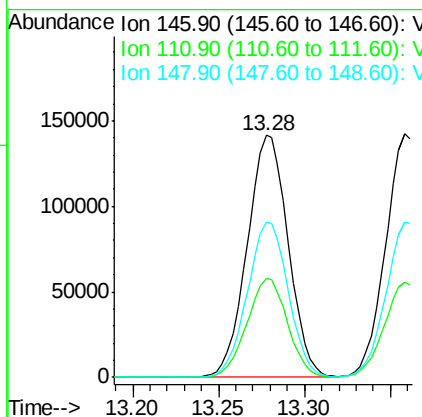
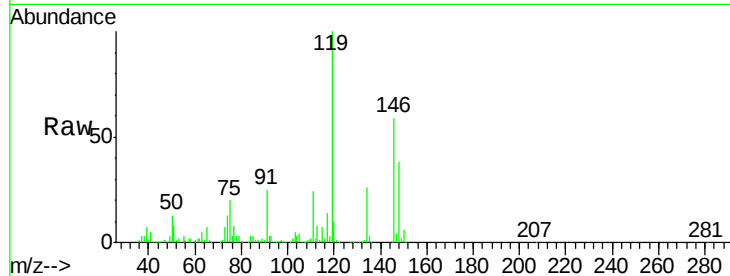
#87
 1,3-Dichlorobenzene
 Concen: 50.594 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	232838
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.3	60.8
148	64.2	32.5	97.4

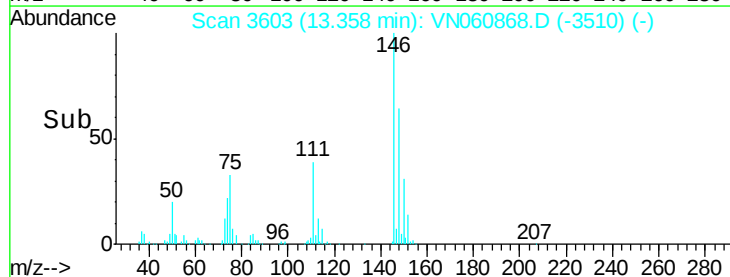
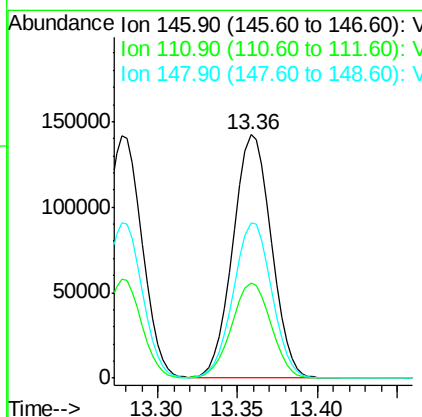
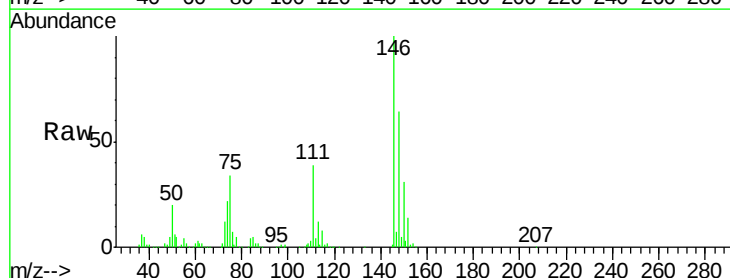
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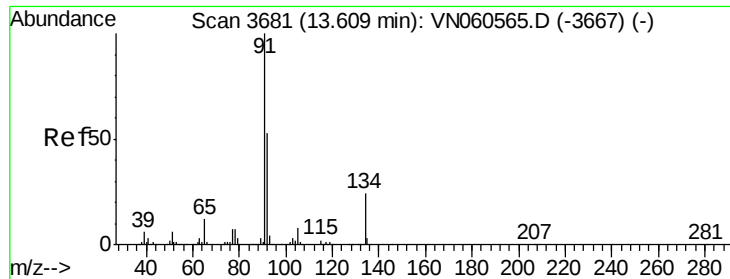
MMDadoda
 4/8/2020 9:39:24 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.262 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion:	146	Resp:	232396
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.6	58.7
148	64.1	32.1	96.3





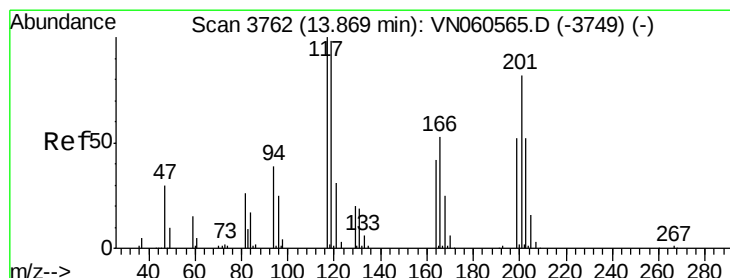
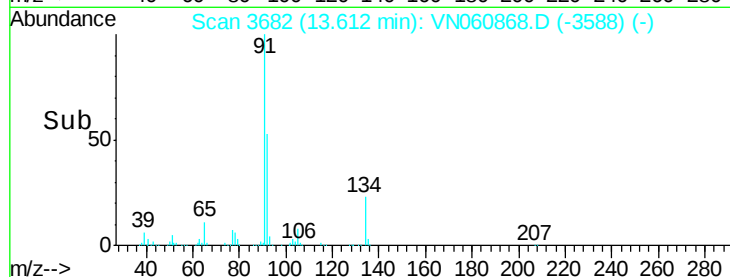
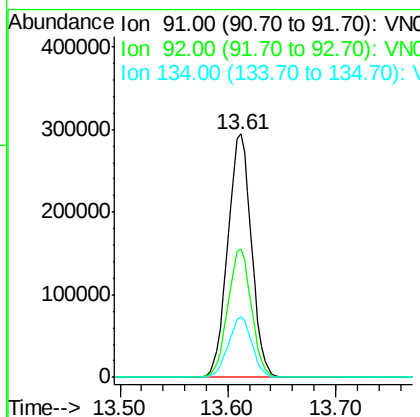
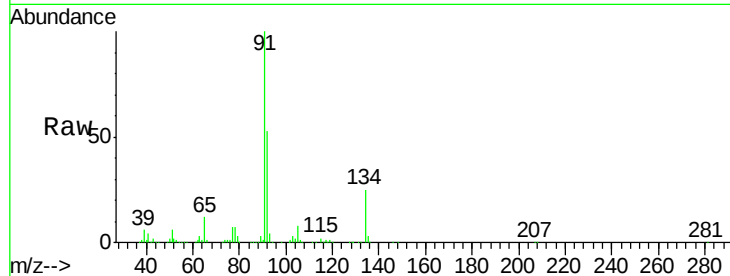
#89
n-Butylbenzene
Concen: 54.152 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	24.6	12.3	36.9

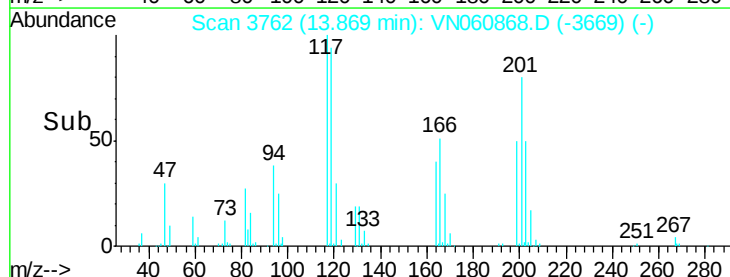
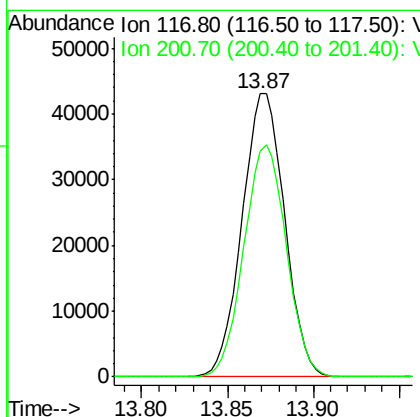
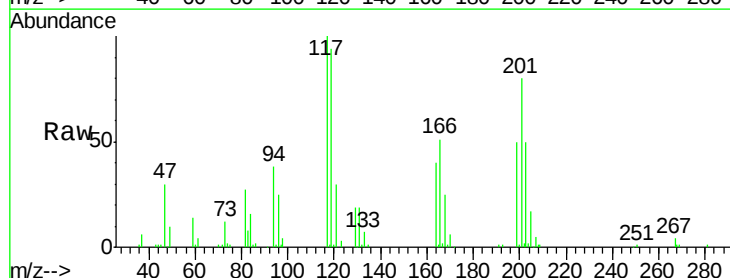
Manual Integrations
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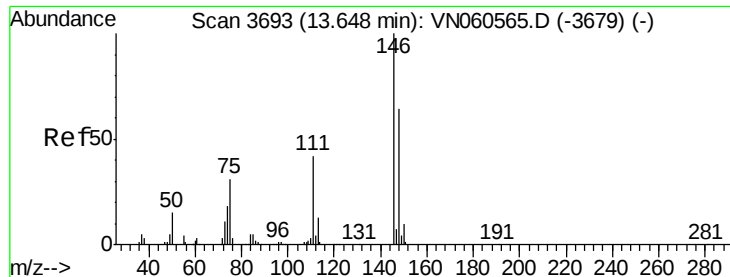
MMDadoda
4/8/2020 9:39:24 AM



#90
Hexachloroethane
Concen: 55.259 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	40.8	122.5





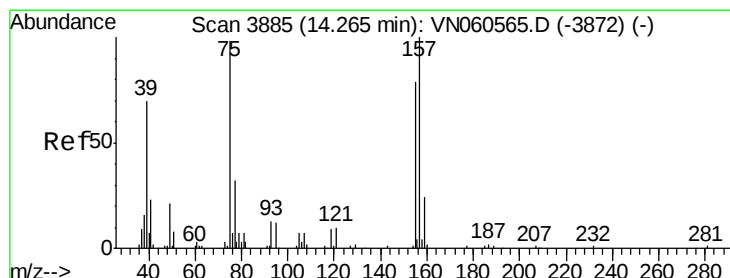
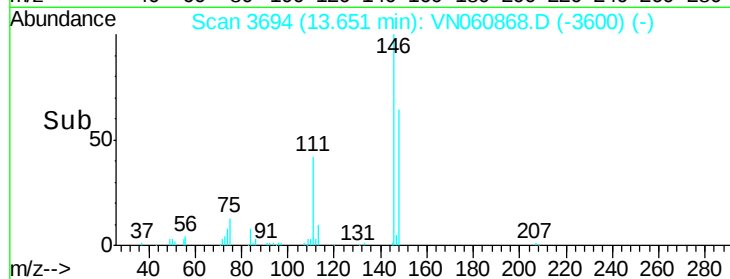
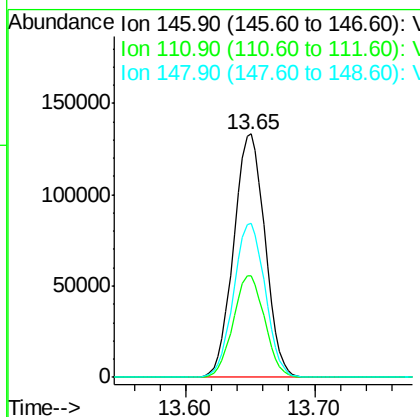
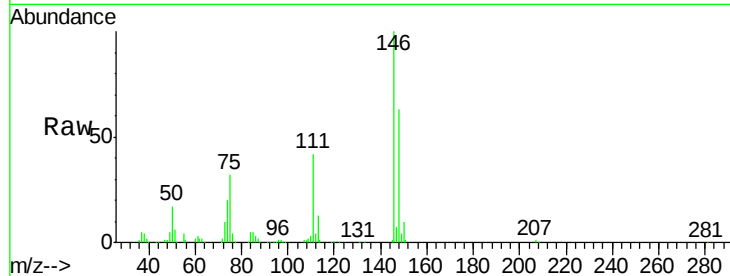
#91
 1,2-Dichlorobenzene
 Concen: 51.179 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.0	63.0
148	63.7	31.9	95.5

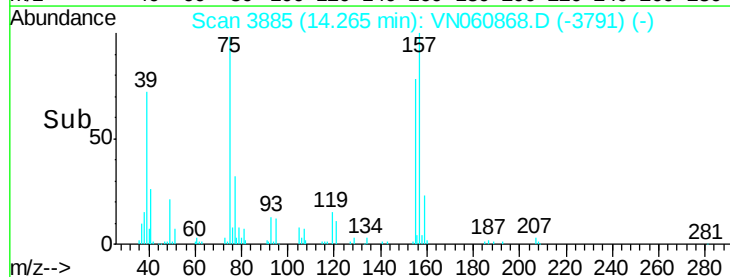
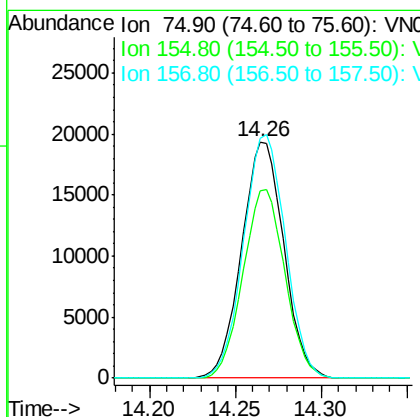
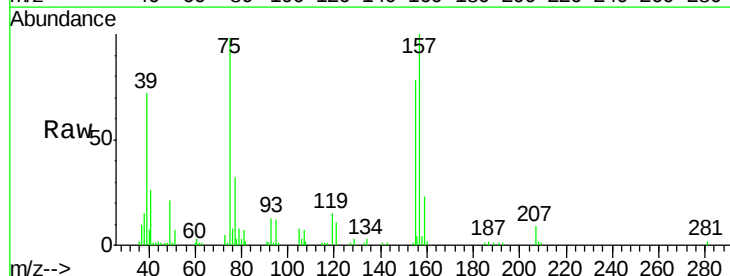
Manual Integrations
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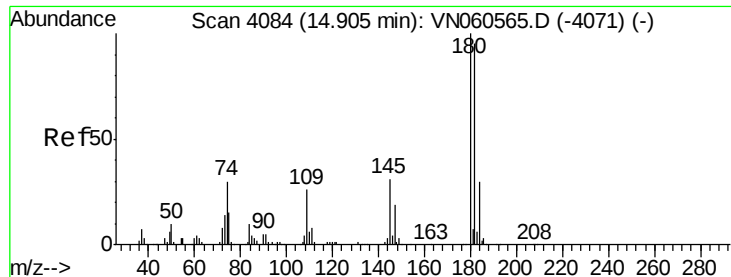
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.049 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	40.7	122.1
157	102.1	51.5	154.7





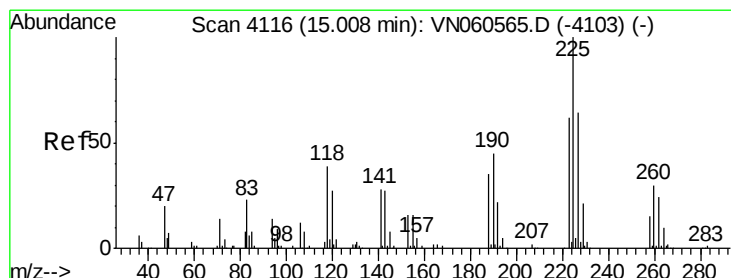
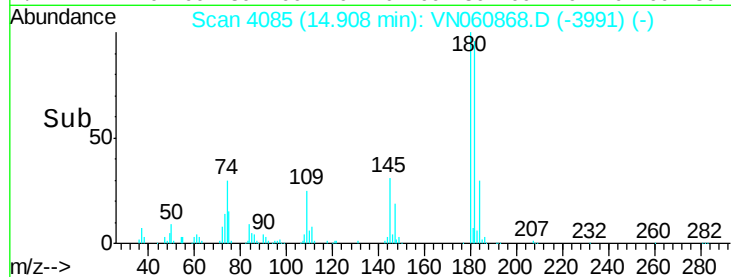
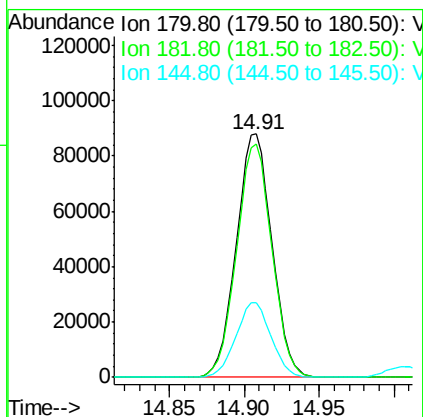
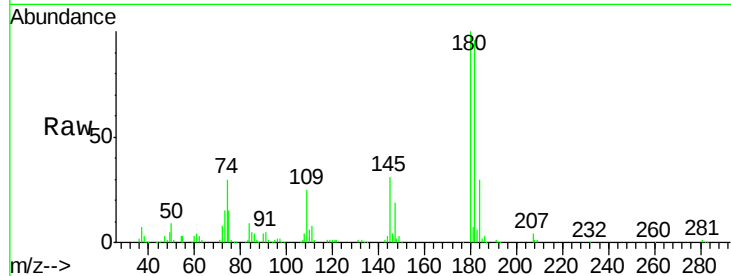
#93
 1,2,4-Trichlorobenzene
 Concen: 53.843 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	145502
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.8
145	30.3	15.4	46.2

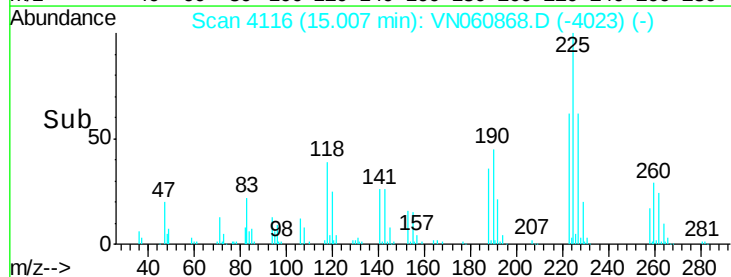
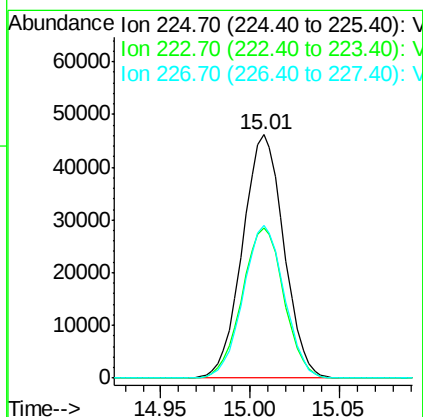
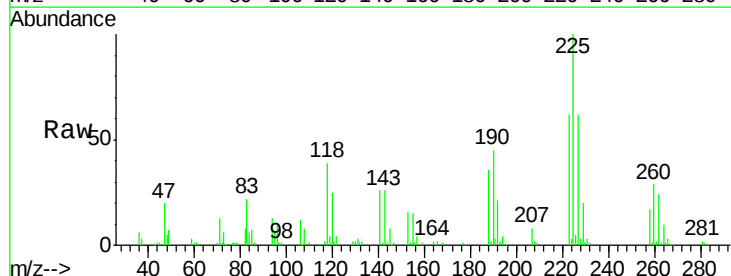
Manual Integrations
 APPROVED

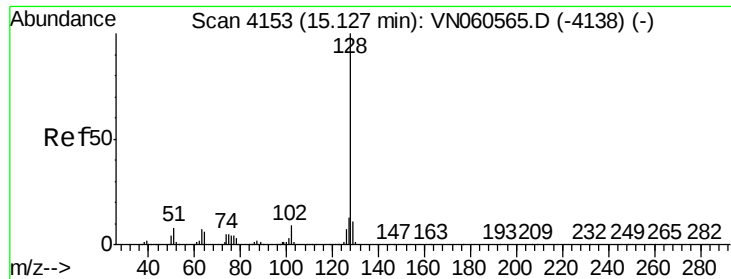
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#94
 Hexachlorobutadiene
 Concen: 56.214 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion:	225	Resp:	74469
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.6	95.0
227	62.4	32.3	96.8





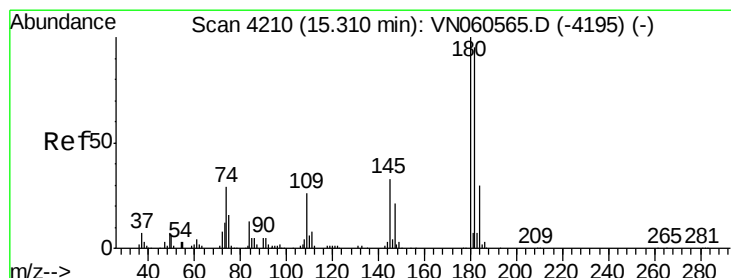
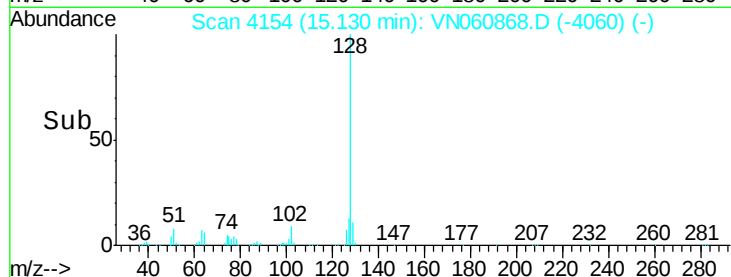
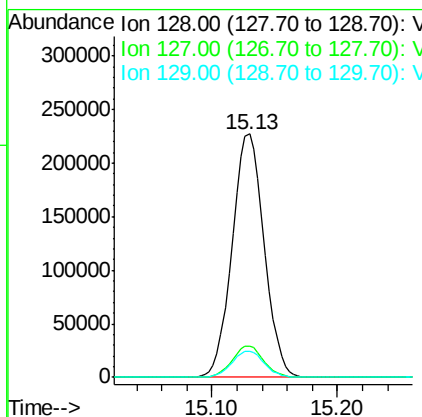
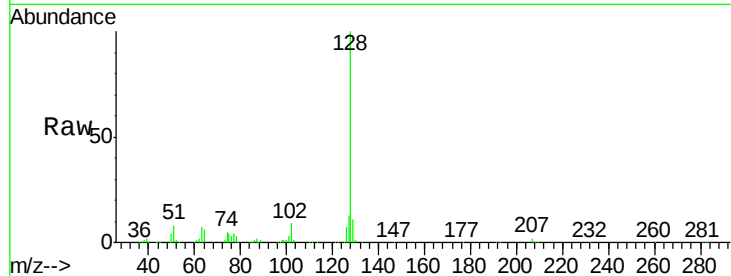
#95
Naphthalene
Concen: 49.451 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

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4/8/2020 9:39:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.641 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.6
145	32.5	16.3	48.8

