

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062849.D
 Acq On : 12 Aug 2020 11:00
 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
 8/13/2020 10:56:56 AM

Quant Time: Aug 13 05:36:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	155040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	232751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	223914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	115887	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	118057	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
35) Dibromofluoromethane	7.55	113	81220	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.06	98	315463	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.38	95	121343	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	106515	47.977	ug/l	95
3) Chloromethane	2.03	50	87716	41.868	ug/l	99
4) Vinyl Chloride	2.16	62	88408	44.992	ug/l	100
5) Bromomethane	2.50	94	68945	53.003	ug/l	100
6) Chloroethane	2.65	64	71388	55.223	ug/l	98
7) Trichlorofluoromethane	2.97	101	185261	52.873	ug/l	98
8) Diethyl Ether	3.37	74	51533	51.375	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	79216	56.165	ug/l	99
10) Methyl Iodide	3.91	142	94824	55.835	ug/l	98
11) Tert butyl alcohol	4.74	59	86441	205.708	ug/l	99
12) 1,1-Dichloroethene	3.69	96	71116	53.954	ug/l	99
13) Acrolein	3.56	56	113980	447.990	ug/l	99
14) Allyl chloride	4.27	41	122455	45.113	ug/l	98
15) Acrylonitrile	4.93	53	215713	221.326	ug/l	99
16) Acetone	3.77	43	250990	270.923	ug/l	98
17) Carbon Disulfide	4.00	76	181603	48.415	ug/l	98
18) Methyl Acetate	4.27	43	106614	48.625	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	284339	47.336	ug/l	100
20) Methylene Chloride	4.50	84	84741	49.982	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	69822	45.003	ug/l	96
22) Diisopropyl ether	5.90	45	263080	45.528	ug/l	98
23) Vinyl Acetate	5.84	43	922738	209.943	ug/l	97
24) 1,1-Dichloroethane	5.80	63	149775	44.230	ug/l	99
25) 2-Butanone	6.79	43	295175	224.963	ug/l	98
26) 2,2-Dichloropropane	6.77	77	146092	46.803	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	85581	45.982	ug/l	97
28) Bromochloromethane	7.15	49	71395	43.685	ug/l	94
29) Tetrahydrofuran	7.17	42	184431	216.359	ug/l	97
30) Chloroform	7.33	83	165712	46.047	ug/l	99
31) Cyclohexane	7.61	56	134199	43.172	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	150644	46.819	ug/l	99
36) 1,1-Dichloropropene	7.75	75	109710	48.409	ug/l	97
37) Ethyl Acetate	6.88	43	106493	44.983	ug/l	99
38) Carbon Tetrachloride	7.73	117	132239	49.336	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	139351	51.093	ug/l	99
40) Benzene	8.00	78	325205	48.088	ug/l	99
41) Methacrylonitrile	7.12	41	51521	48.228	ug/l #	74
42) 1,2-Dichloroethane	8.08	62	139701	48.535	ug/l	100
43) Isopropyl Acetate	8.13	43	176045	44.583	ug/l	97
44) Trichloroethene	8.80	130	80981	49.150	ug/l	96
45) 1,2-Dichloropropane	9.08	63	89923	49.129	ug/l	99
46) Dibromomethane	9.17	93	59708	49.787	ug/l	98
47) Bromodichloromethane	9.37	83	138180	51.301	ug/l	98
48) Methyl methacrylate	9.17	41	90712	46.705	ug/l	99
49) 1,4-Dioxane	9.17	88	36305	1008.790	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	607499	237.779	ug/l	98
52) Toluene	10.12	92	214040	51.261	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	149300	50.392	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	151673	50.988	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	88401	49.571	ug/l	96
56) Ethyl methacrylate	10.40	69	138521	51.605	ug/l	98
57) 1,3-Dichloropropane	10.68	76	151533	50.009	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	179482	236.553	ug/l	99
59) 2-Hexanone	10.72	43	457890	240.261	ug/l	99
60) Dibromochloromethane	10.87	129	106877	52.517	ug/l	100
61) 1,2-Dibromoethane	10.98	107	90606	51.489	ug/l	98
64) Tetrachloroethene	10.60	164	70792	49.000	ug/l	98
65) Chlorobenzene	11.41	112	232846	49.746	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	97395	51.816	ug/l	98
67) Ethyl Benzene	11.48	91	428820	51.196	ug/l	97
68) m/p-Xylenes	11.60	106	322797	106.166	ug/l	98
69) o-Xylene	11.92	106	153035	53.709	ug/l	98
70) Styrene	11.94	104	278959	55.698	ug/l	98
71) Bromoform	12.10	173	76453	49.713	ug/l #	99
73) Isopropylbenzene	12.22	105	433265	49.651	ug/l	99
74) N-amyl acetate	12.05	43	164500	46.518	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	137274	44.687	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	129415m	41.408	ug/l	
77) Bromobenzene	12.50	156	103525	47.747	ug/l	94
78) n-propylbenzene	12.57	91	515915	50.366	ug/l	99
79) 2-Chlorotoluene	12.65	91	312290	48.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	396536	52.380	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	49583	48.431	ug/l	98
82) 4-Chlorotoluene	12.75	91	328074	49.561	ug/l	99
83) tert-Butylbenzene	12.97	119	324923	50.723	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	387069	53.444	ug/l	100
85) sec-Butylbenzene	13.15	105	434933	51.703	ug/l	100
86) p-Isopropyltoluene	13.26	119	394379	52.816	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	194124	50.117	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	188049	48.404	ug/l	99
89) n-Butylbenzene	13.59	91	315739	49.997	ug/l	99
90) Hexachloroethane	13.85	117	75546	46.937	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	183565	50.549	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	30935	46.908	ug/l	95

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QLast Update : Wed Aug 05 13:26:42 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	85217	44.114	ug/l	98
94) Hexachlorobutadiene	14.98	225	62551	54.877	ug/l	99
95) Naphthalene	15.10	128	215493	41.158	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	89273	46.638	ug/l	99

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

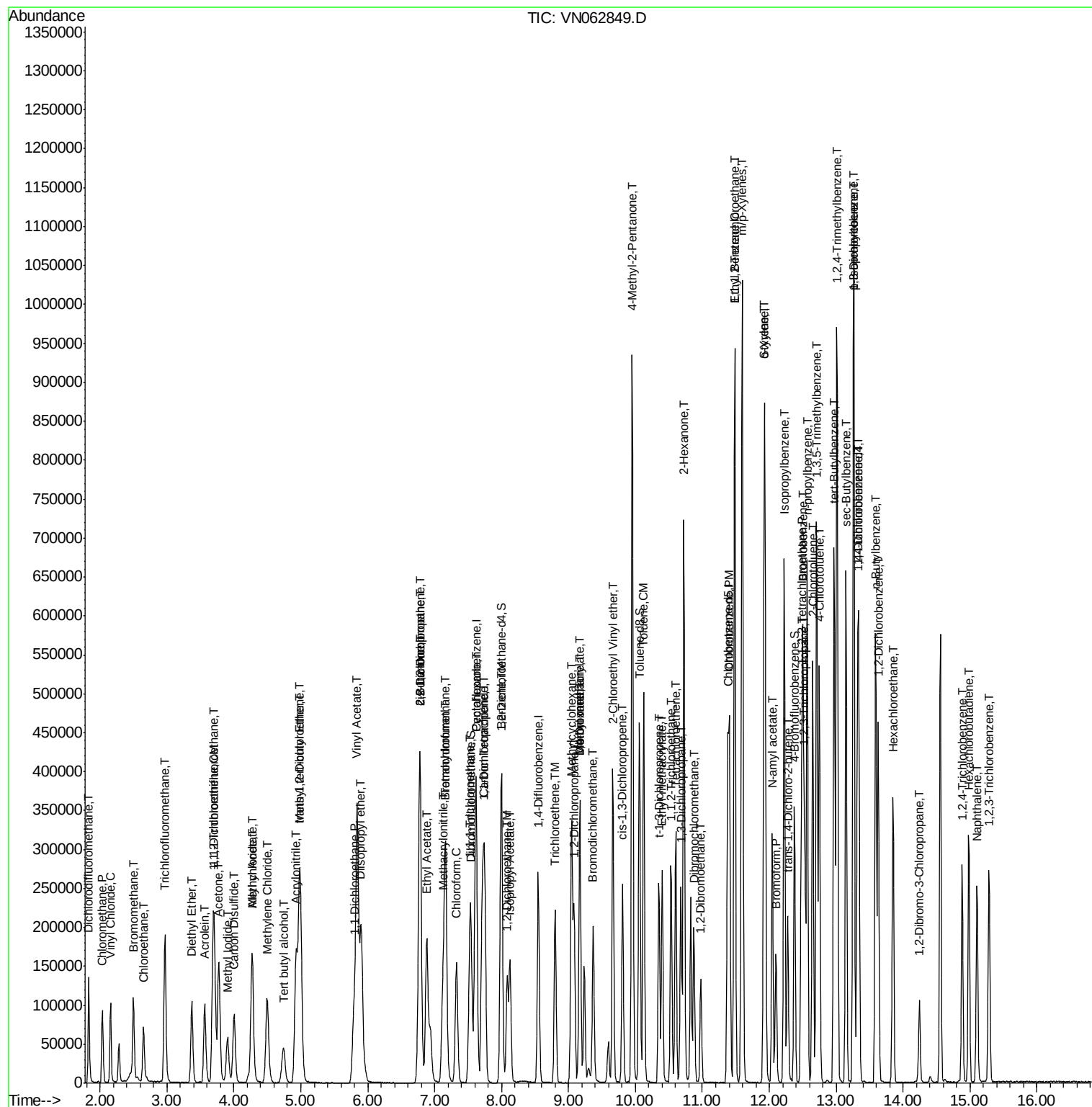
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 Data File : VN062849.D
 Acq On : 12 Aug 2020 11:00
 Operator : JC/MD
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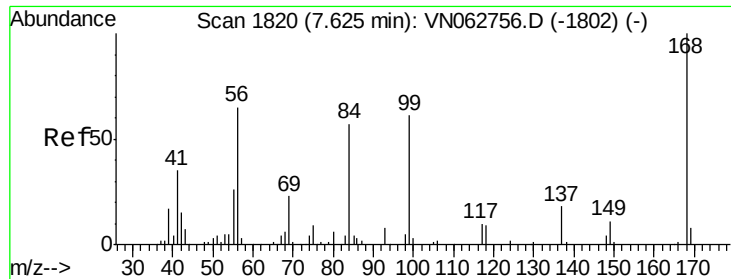
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 155040

Ion Ratio Lower Upper

168 100

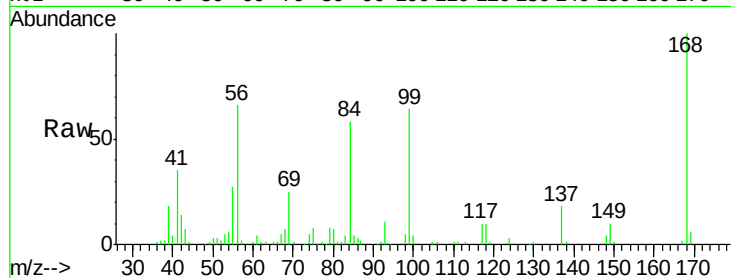
99 63.9 52.9 79.3

Manual Integrations

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8/13/2020 10:56:56 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

60000

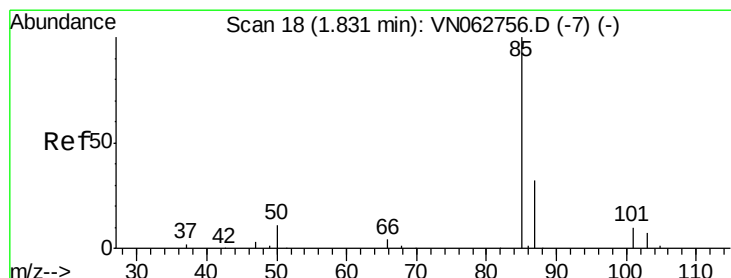
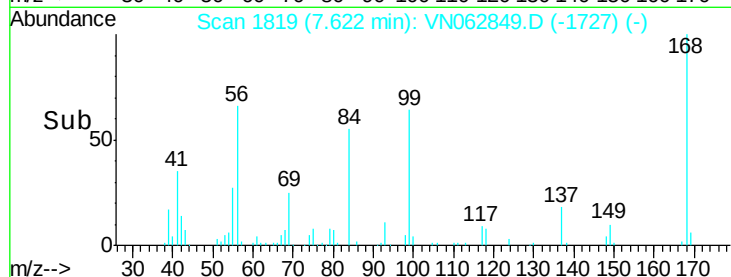
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.977 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062849.D

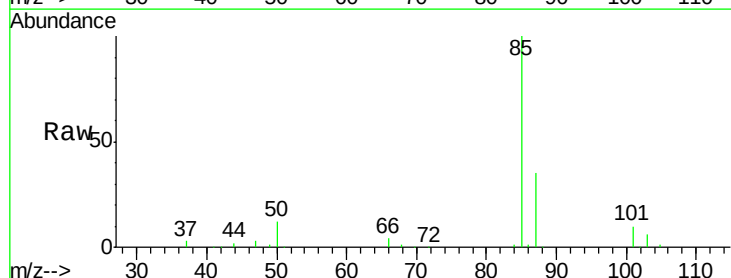
Acq: 12 Aug 2020 11:00

Tgt Ion: 85 Resp: 106515

Ion Ratio Lower Upper

85 100

87 35.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

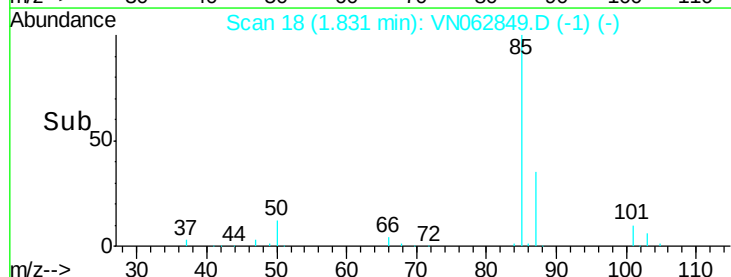
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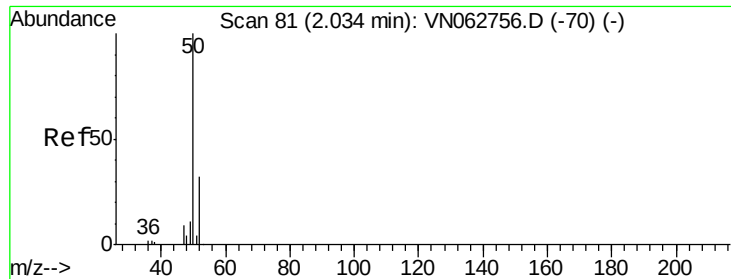
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 41.868 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 87716

Ion Ratio Lower Upper

50 100

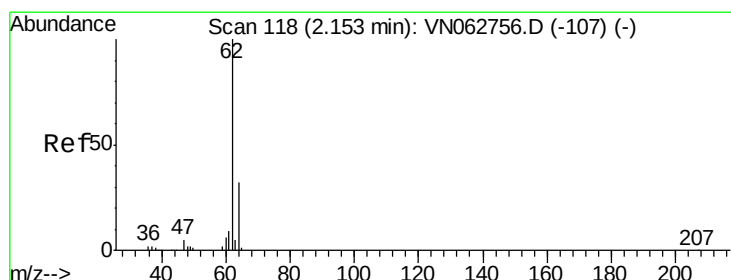
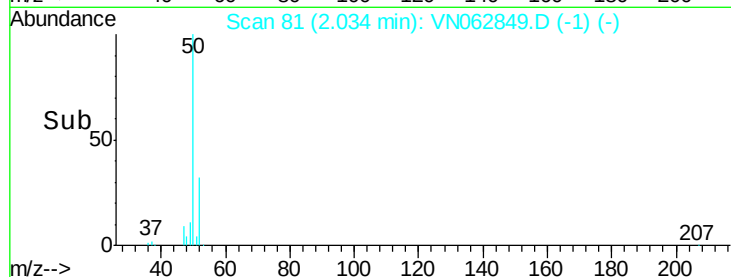
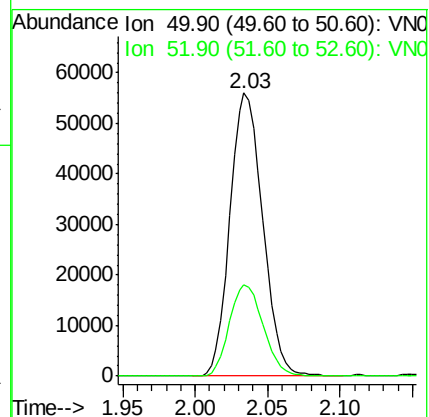
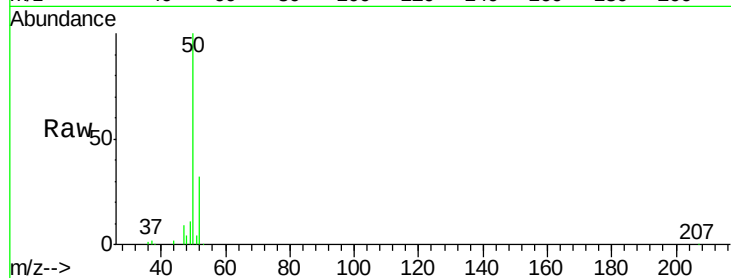
52 32.4 25.6 38.4

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 44.992 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062849.D

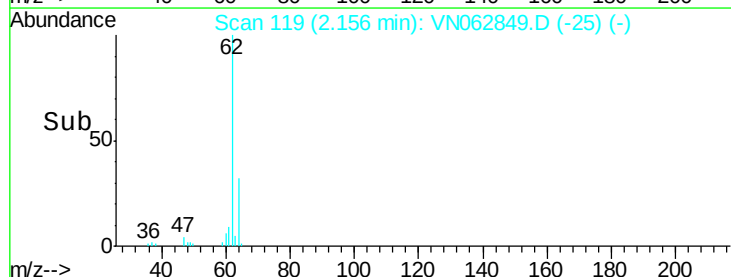
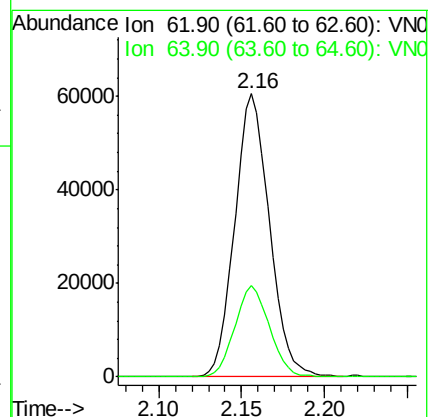
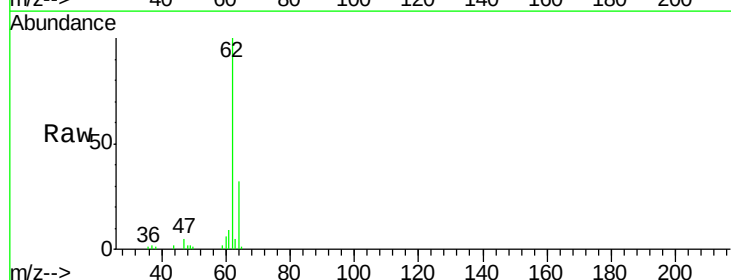
Acq: 12 Aug 2020 11:00

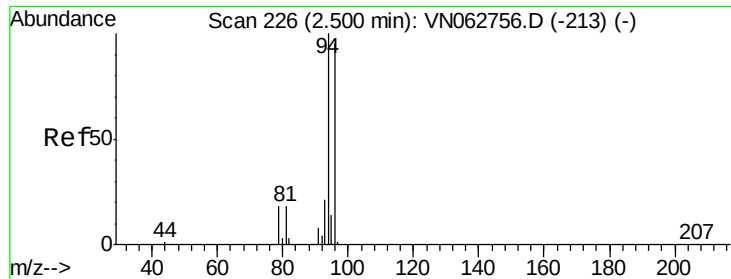
Tgt Ion: 62 Resp: 88408

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8





#5

Bromomethane

Concen: 53.003 ug/l

RT: 2.50 min Scan# 226

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 68945

Ion Ratio Lower Upper

94 100

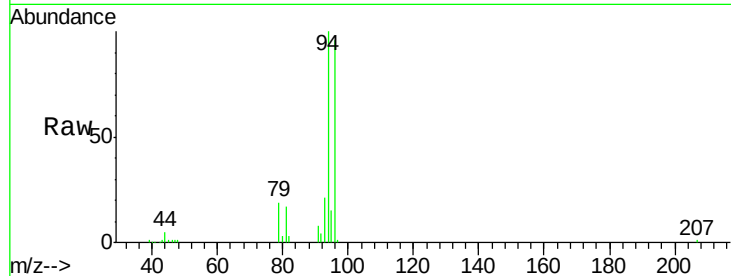
96 95.6 76.2 114.4

Manual Integrations

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8/13/2020 10:56:56 AM

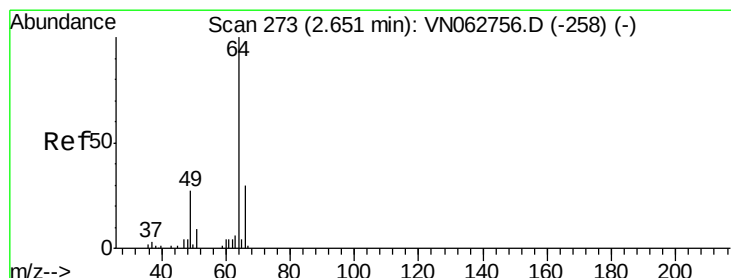
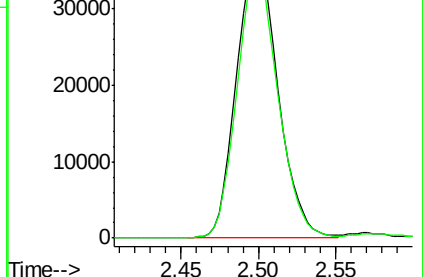
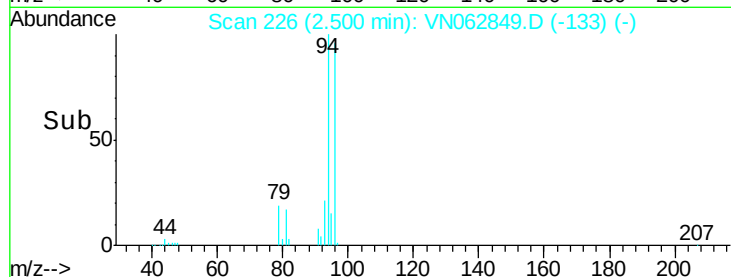


Abundance Ion 93.90 (93.60 to 94.60): VN062849.D (-133) (-)

Ion 95.90 (95.60 to 96.60): VN062849.D (-133) (-)

2.50

Time-->



#6

Chloroethane

Concen: 55.223 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.00 min

Lab File: VN062849.D

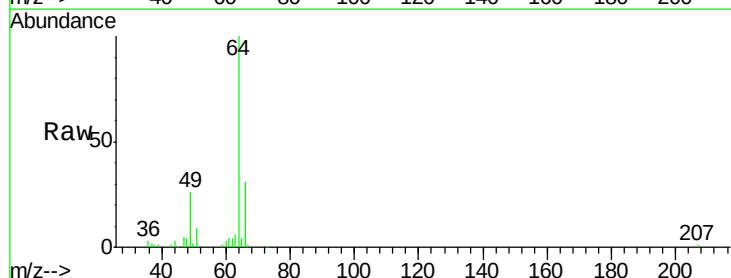
Acq: 12 Aug 2020 11:00

Tgt Ion: 64 Resp: 71388

Ion Ratio Lower Upper

64 100

66 31.0 24.0 36.0

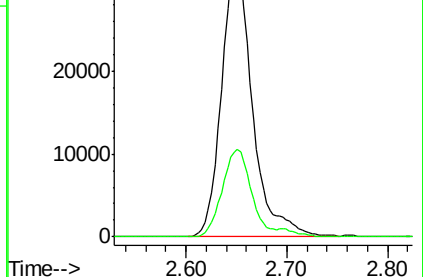
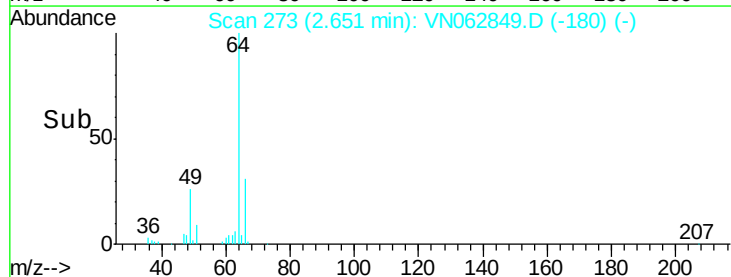


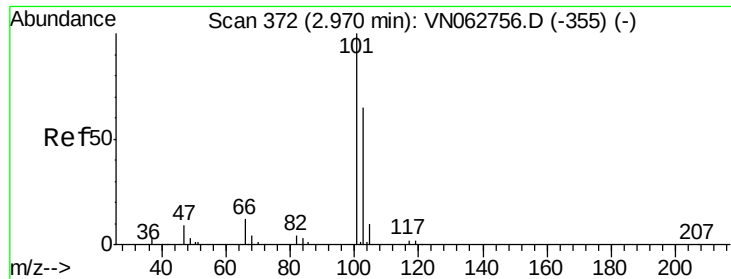
Abundance Ion 63.90 (63.60 to 64.60): VN062849.D (-180) (-)

Ion 65.90 (65.60 to 66.60): VN062849.D (-180) (-)

2.65

Time-->





#7

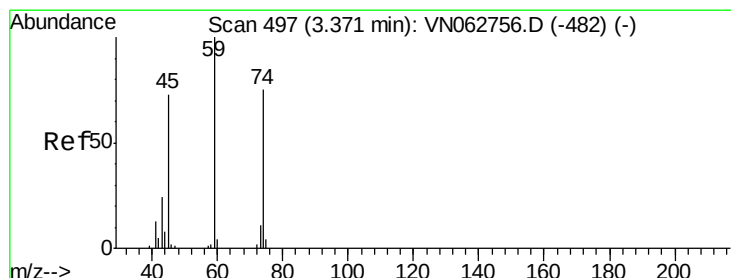
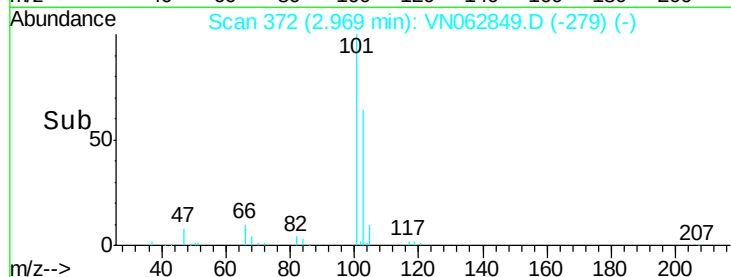
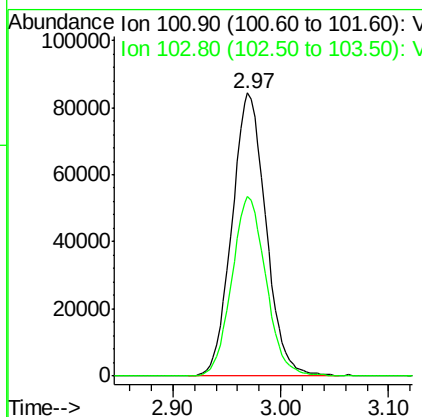
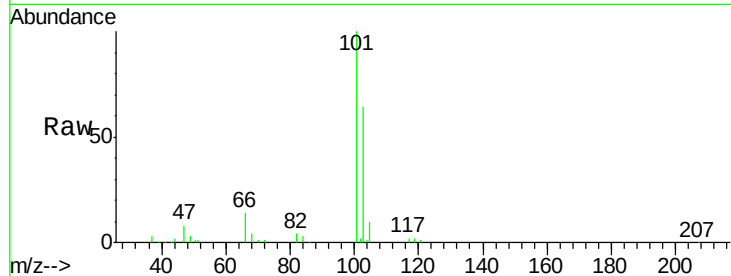
Trichlorofluoromethane
Concen: 52.873 ug/l
RT: 2.97 min Scan# 372
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.3	78.5

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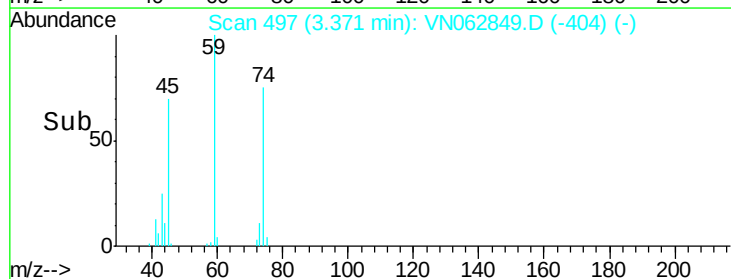
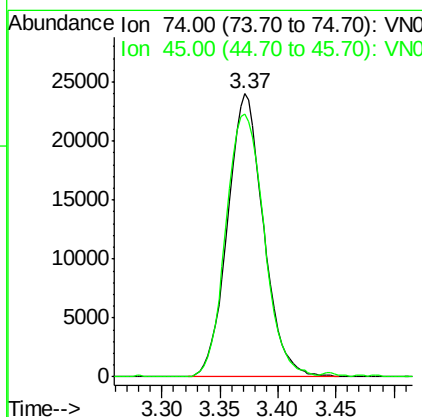
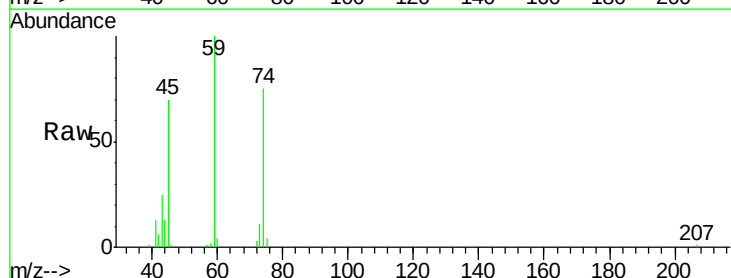
MMDadoda
8/13/2020 10:56:56 AM

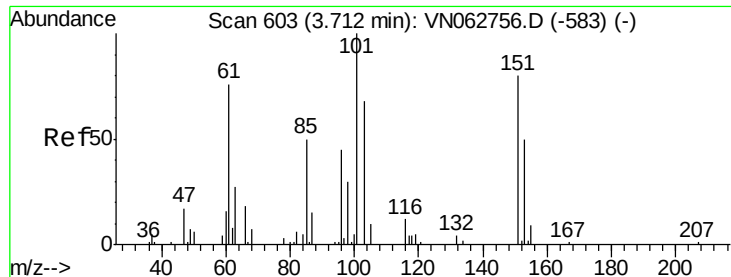


#8

Diethyl Ether
Concen: 51.375 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.165 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

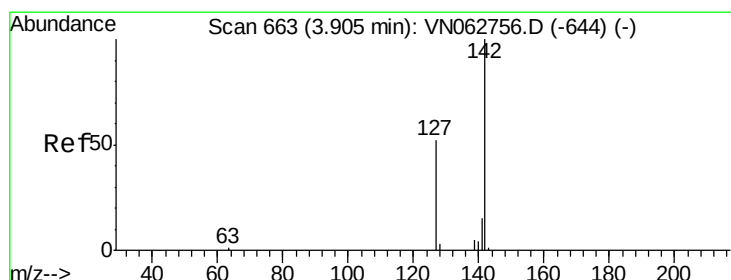
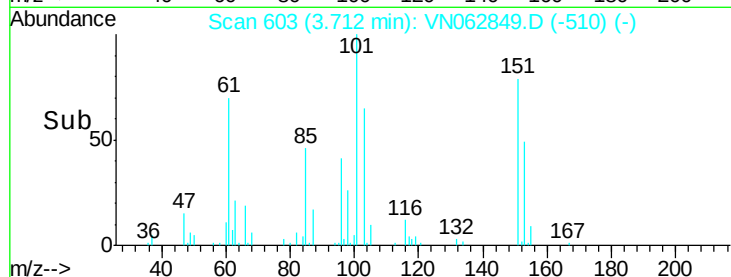
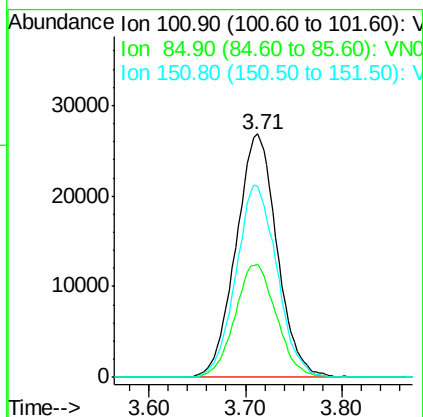
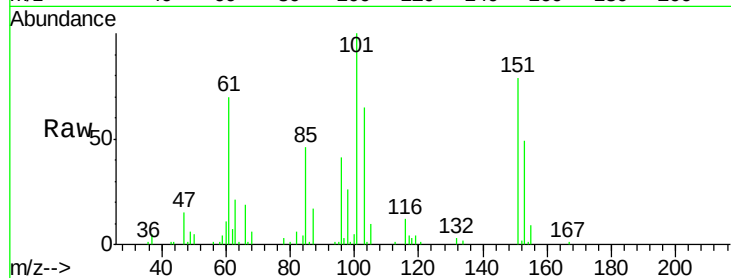
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	79216
Ion Ratio	Lower	Upper	
101	100		
85	46.7	38.5	57.7
151	78.6	63.0	94.6

Manual Integrations
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MMDadoda
8/13/2020 10:56:56 AM



#10

Methyl Iodide

Concen: 55.835 ug/l

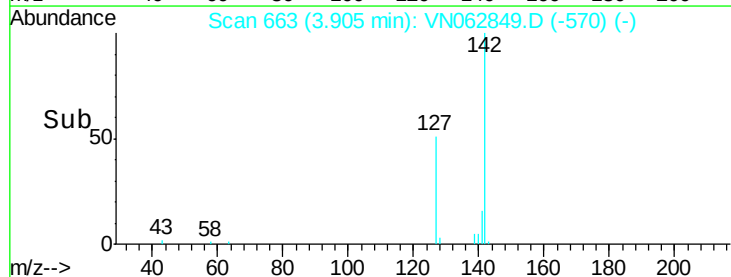
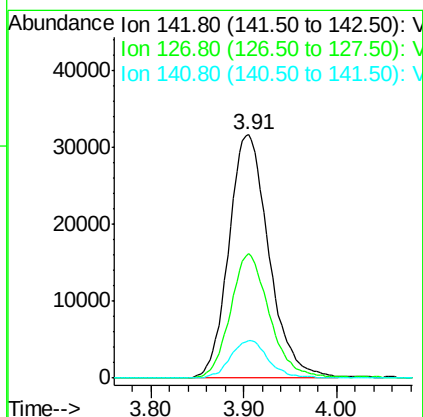
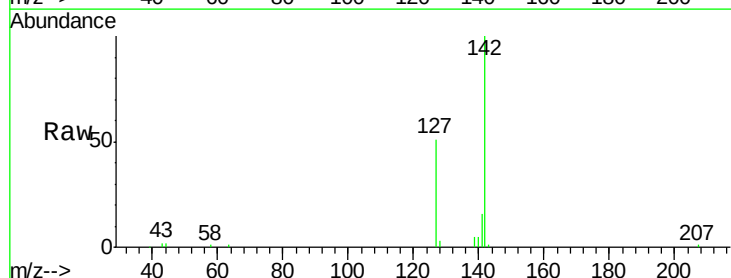
RT: 3.91 min Scan# 663

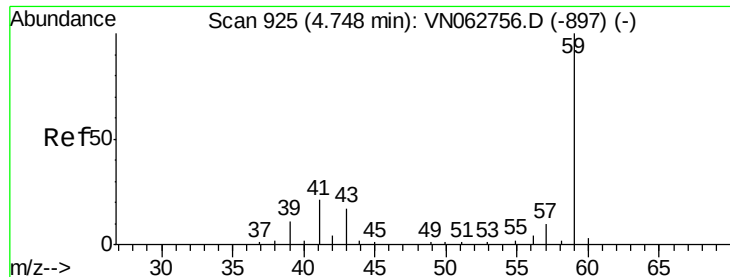
Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Tgt Ion:	142	Resp:	94824
Ion Ratio	Lower	Upper	
142	100		
127	50.0	41.4	62.0
141	14.6	12.2	18.4





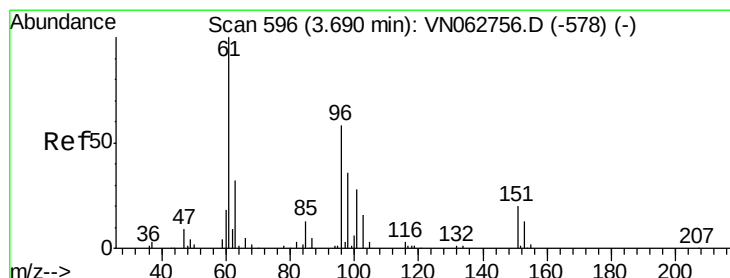
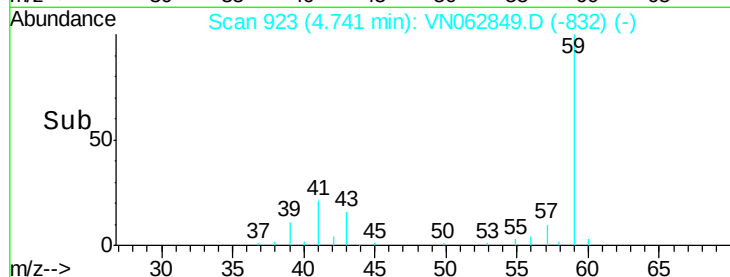
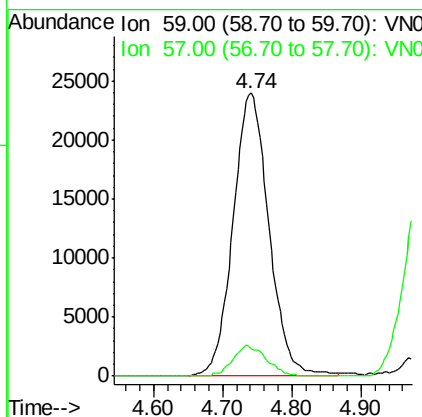
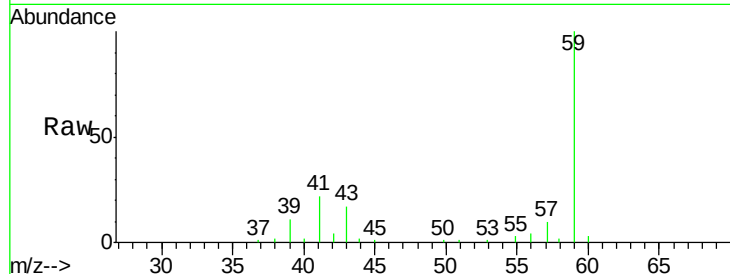
#11
Tert butyl alcohol
Concen: 205.708 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.01 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

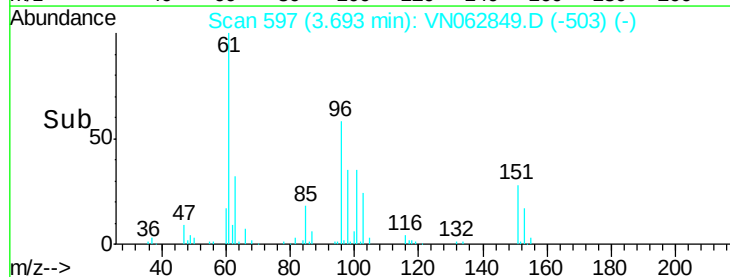
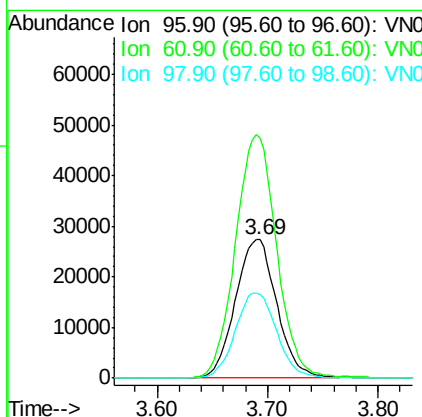
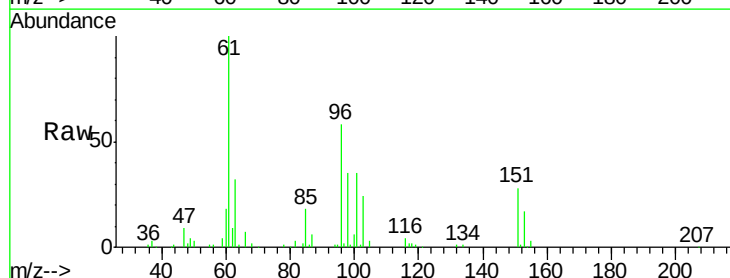
Manual Integrations
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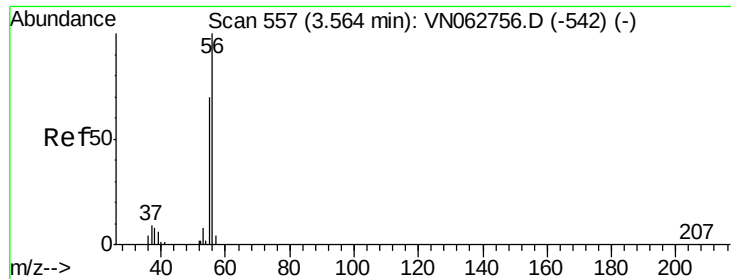
MMDadoda
8/13/2020 10:56:56 AM



#12
1,1-Dichloroethene
Concen: 53.954 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.5	139.0	208.6
98	60.8	50.2	75.4





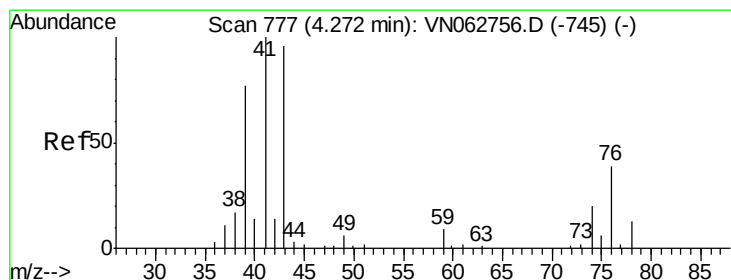
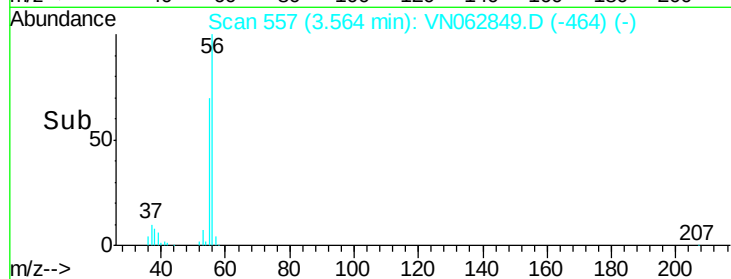
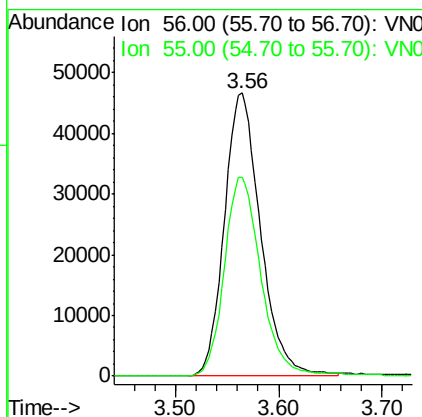
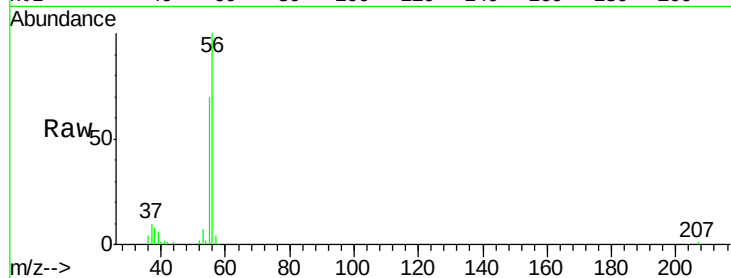
#13
Acrolein
Concen: 447.990 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	113980
Ion Ratio	100	Lower	Upper
56	100		
55	70.3	57.0	85.6

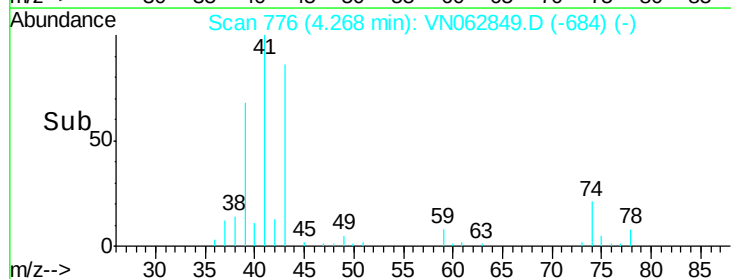
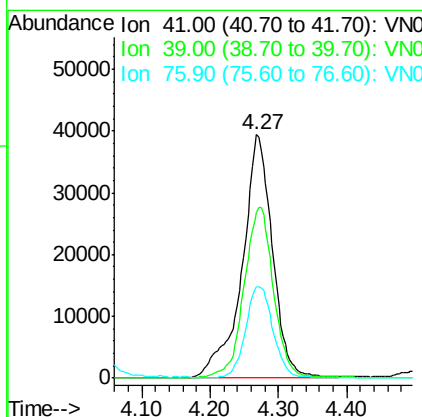
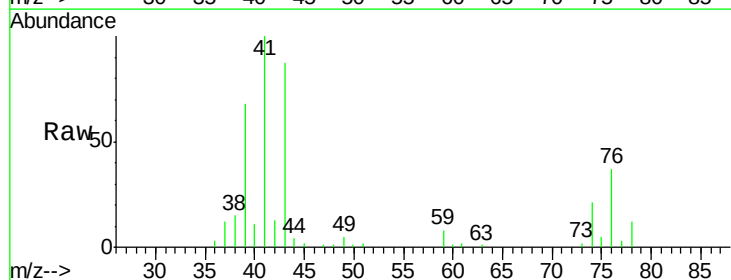
Manual Integrations
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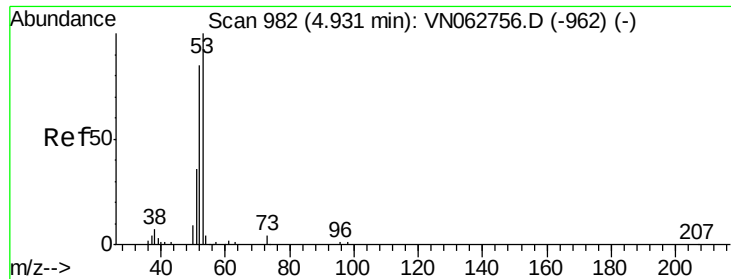
MMDadoda
8/13/2020 10:56:56 AM



#14
Allyl chloride
Concen: 45.113 ug/l
RT: 4.27 min Scan# 776
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	41	Resp	122455
Ion Ratio	100	Lower	Upper
41	100		
39	67.3	55.7	83.5
76	33.8	27.5	41.3





#15

Acrylonitrile

Concen: 221.326 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

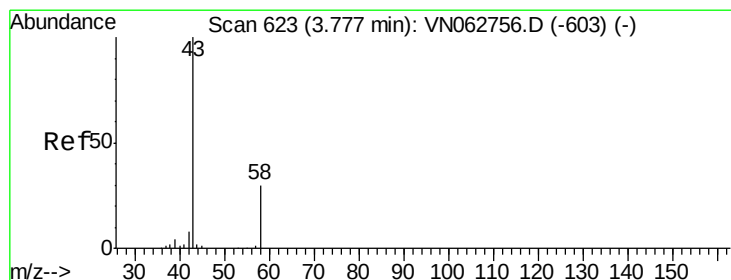
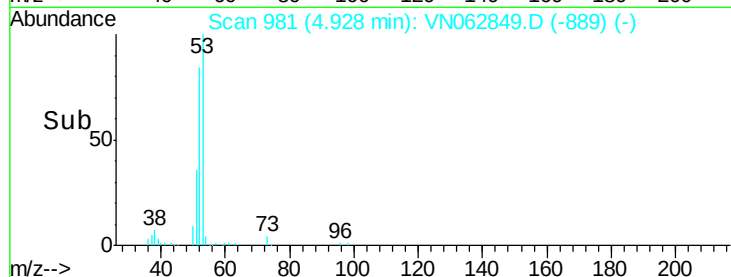
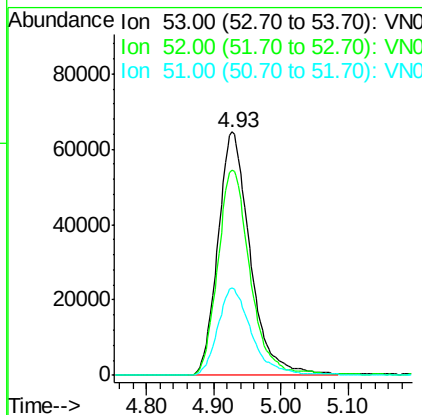
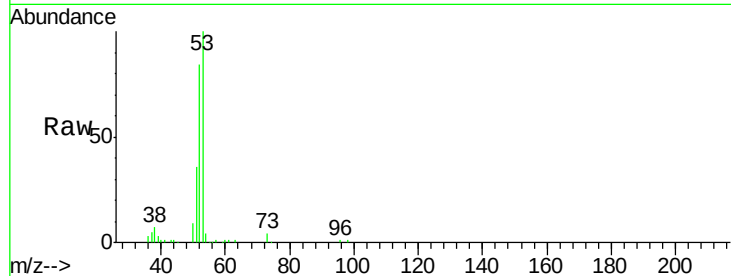
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	215713
Ion Ratio	Lower	Upper	
53	100		
52	84.7	66.8	100.2
51	37.1	29.5	44.3

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#16

Acetone

Concen: 270.923 ug/l

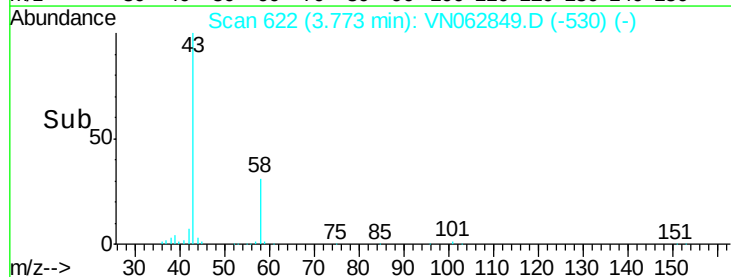
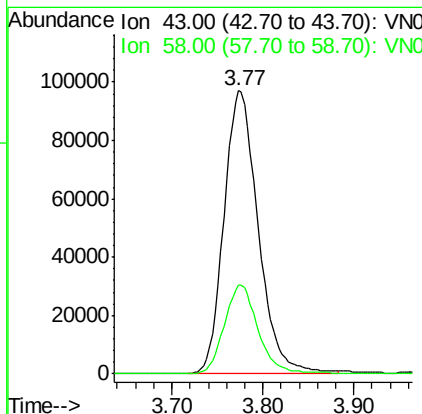
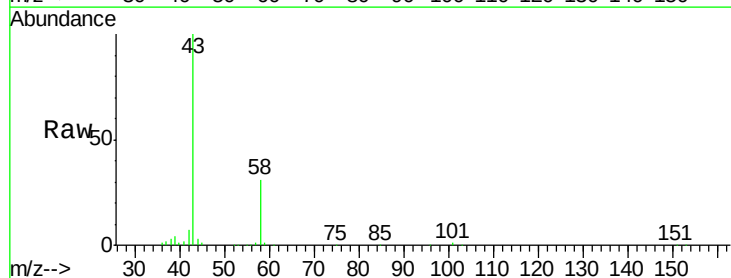
RT: 3.77 min Scan# 622

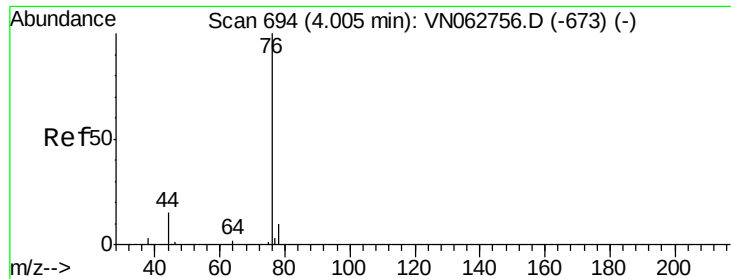
Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Tgt Ion:	43	Resp:	250990
Ion Ratio	Lower	Upper	
43	100		
58	31.1	24.1	36.1





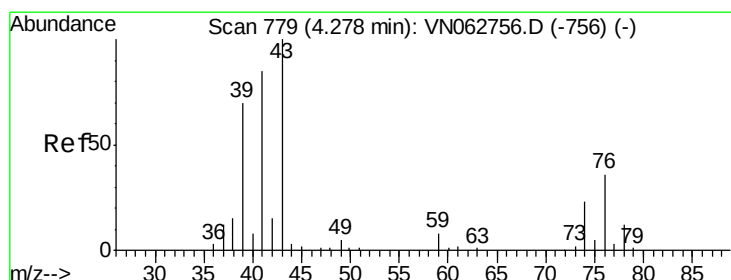
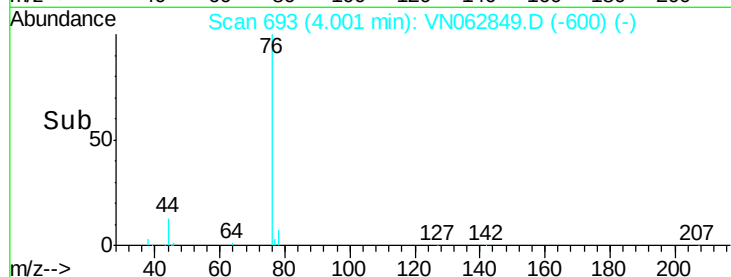
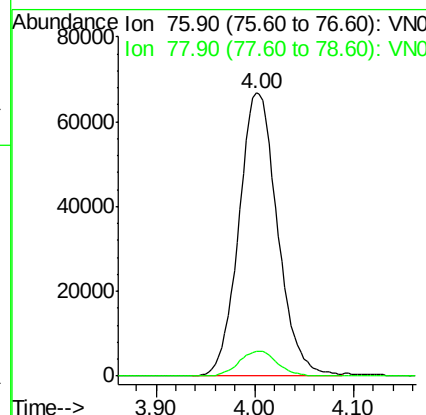
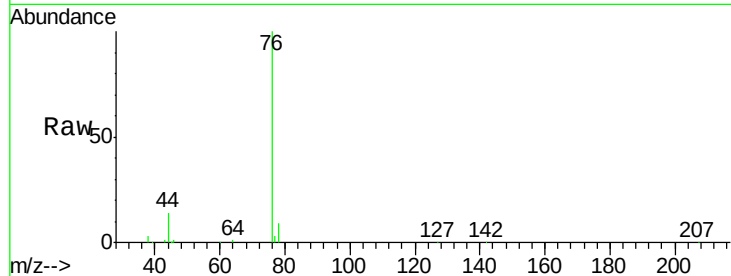
#17
Carbon Disulfide
Concen: 48.415 ug/l
RT: 4.00 min Scan# 693
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 181603
Ion Ratio Lower Upper
76 100
78 8.7 7.7 11.5

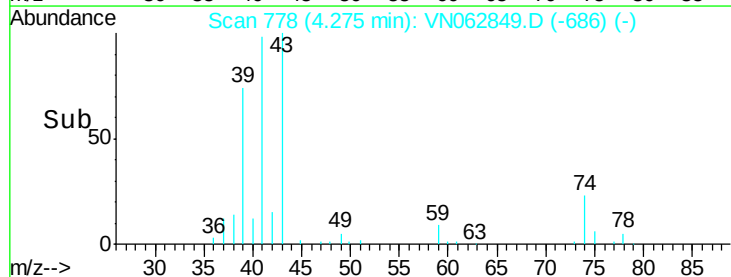
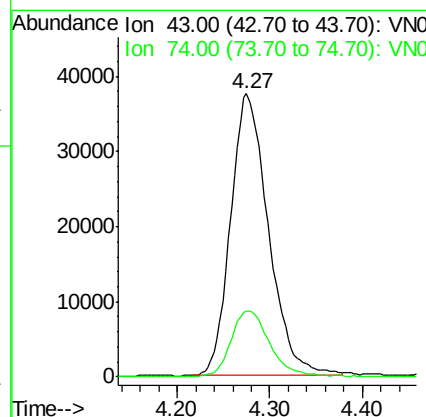
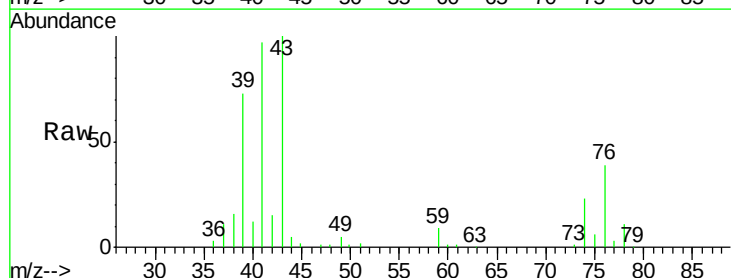
Manual Integrations
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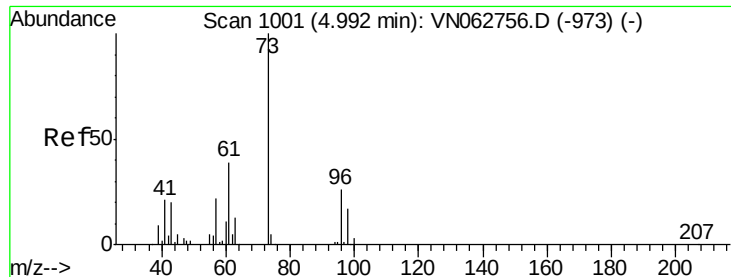
MMDadoda
8/13/2020 10:56:56 AM



#18
Methyl Acetate
Concen: 48.625 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion: 43 Resp: 106614
Ion Ratio Lower Upper
43 100
74 24.0 18.6 28.0





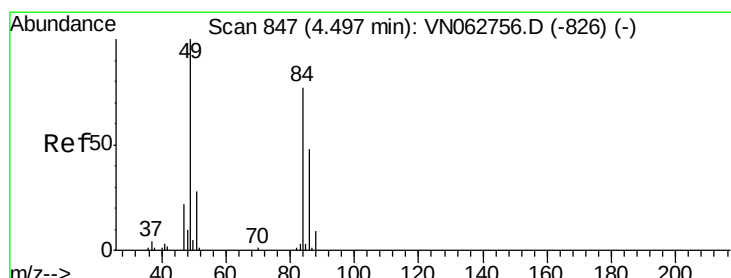
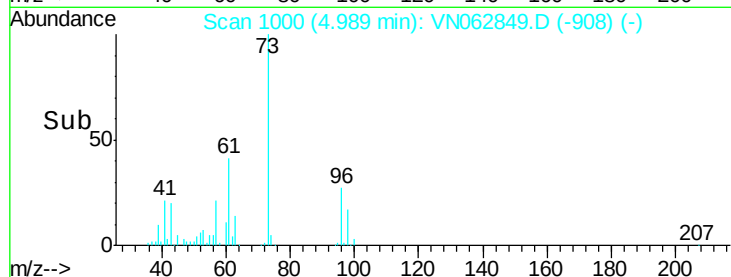
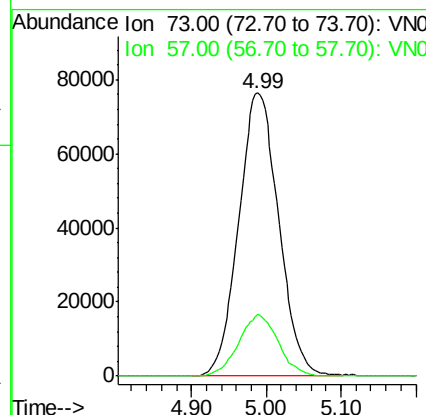
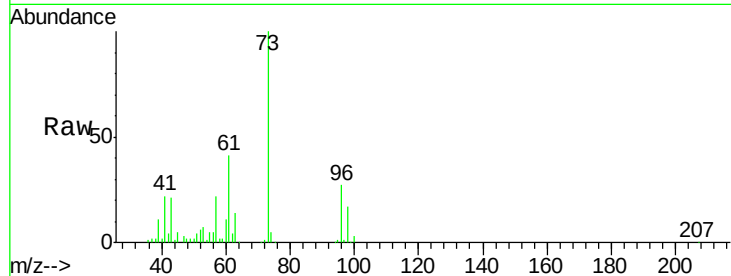
#19
Methvl tert-butvl Ether
Concen: 47.336 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 284339
Ion Ratio Lower Upper
73 100
57 21.9 17.5 26.3

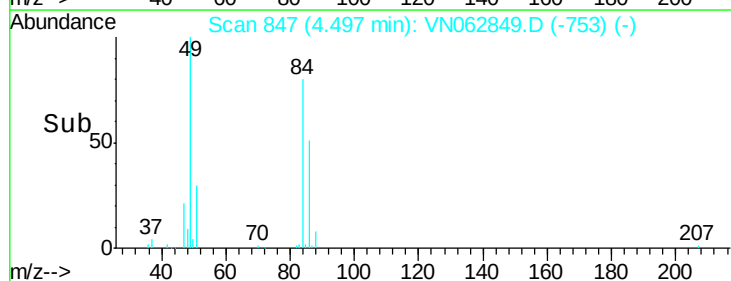
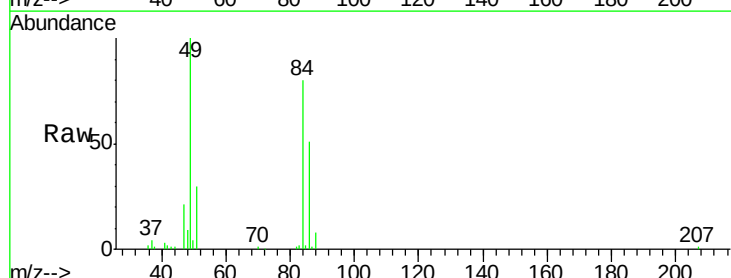
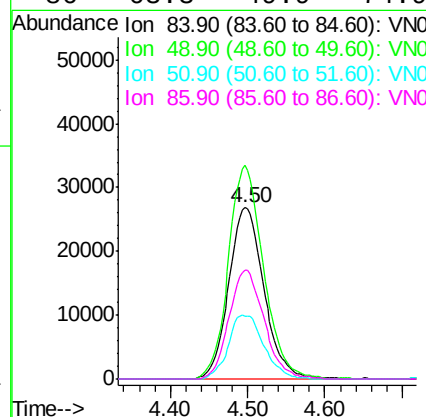
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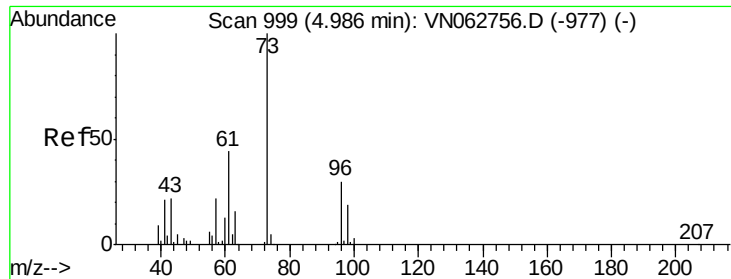
MMDadoda
8/13/2020 10:56:56 AM



#20
Methylene Chloride
Concen: 49.982 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion: 84 Resp: 84741
Ion Ratio Lower Upper
84 100
49 124.7 103.4 155.2
51 36.9 29.3 43.9
86 63.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 45.003 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

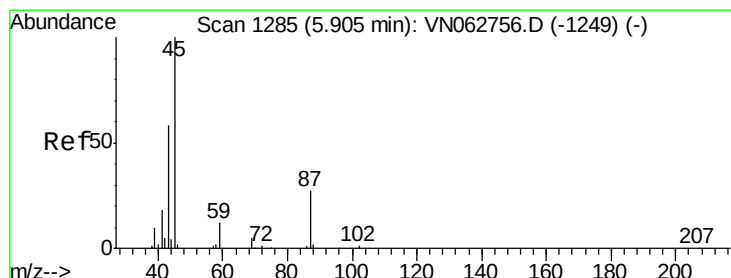
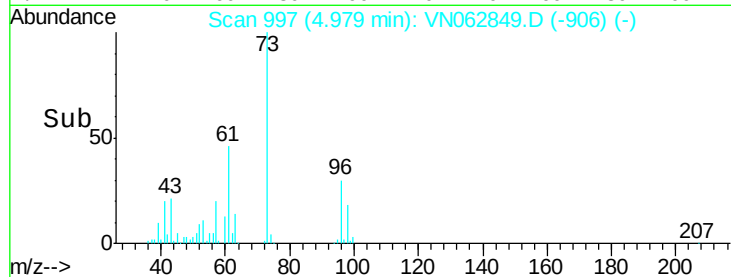
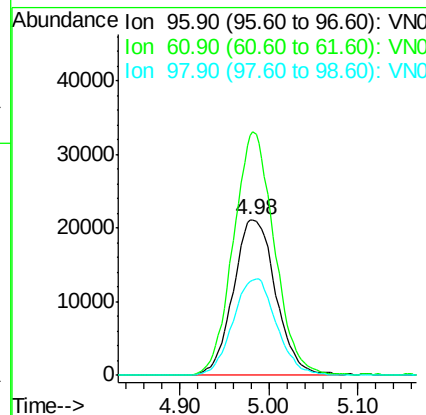
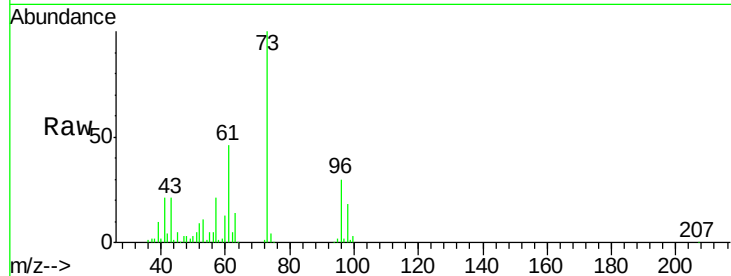
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	69822
Ion	Ratio	Lower	Upper
96	100		
61	153.6	118.8	178.2
98	59.9	51.0	76.4

Manual Integrations
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MMDadoda
8/13/2020 10:56:56 AM



#22

Diisopropyl ether

Concen: 45.528 ug/l

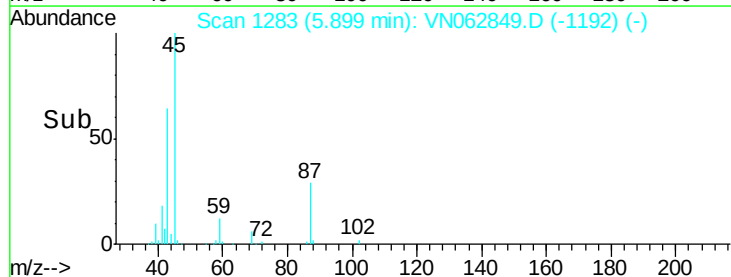
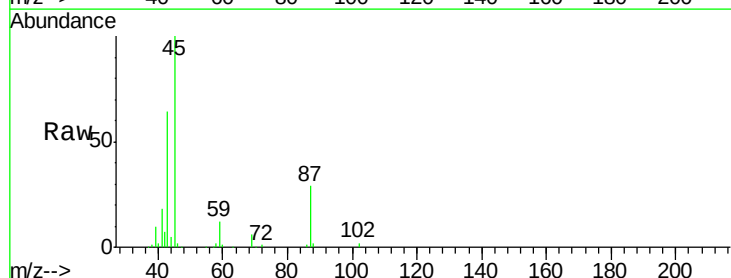
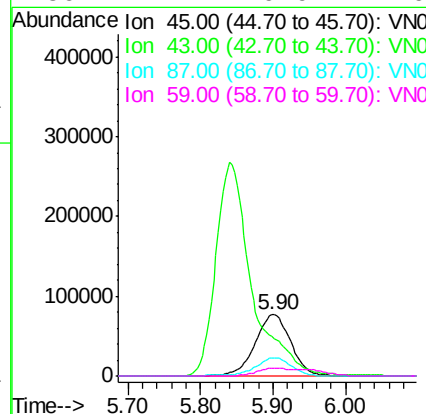
RT: 5.90 min Scan# 1283

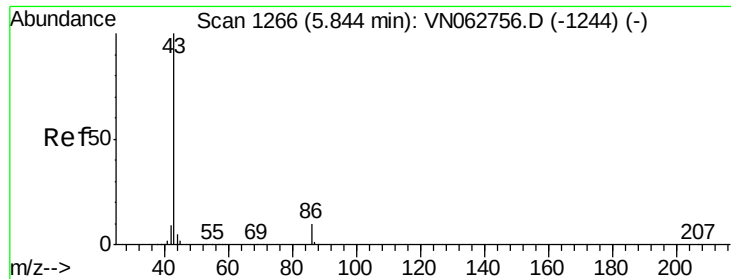
Delta R.T. -0.01 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Tgt Ion:	45	Resp:	263080
Ion	Ratio	Lower	Upper
45	100		
43	61.9	47.4	71.2
87	28.8	22.8	34.2
59	11.7	9.9	14.9





#23

Vinyl Acetate

Concen: 209.943 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 922738

Ion Ratio Lower Upper

43 100

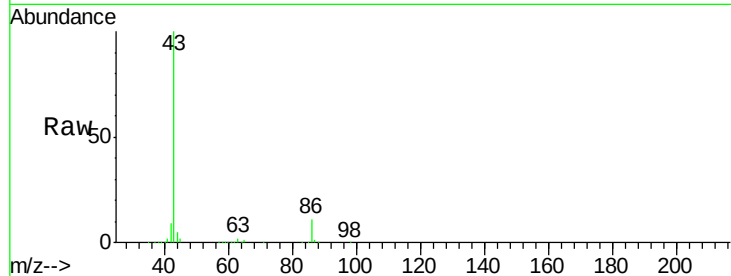
86 10.7 7.7 11.5

Manual Integrations

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MMDadoda

8/13/2020 10:56:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-1244) (-)

Ion 86.00 (85.70 to 86.70): VN062756.D (-1244) (-)

5.84

300000

250000

200000

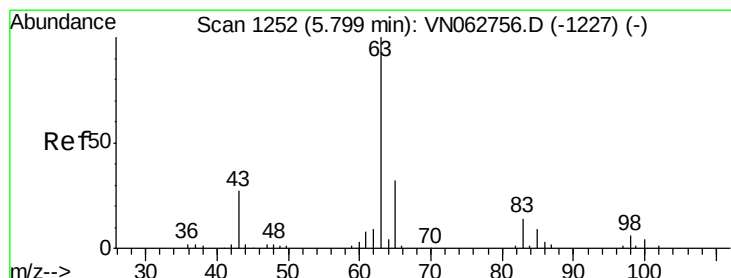
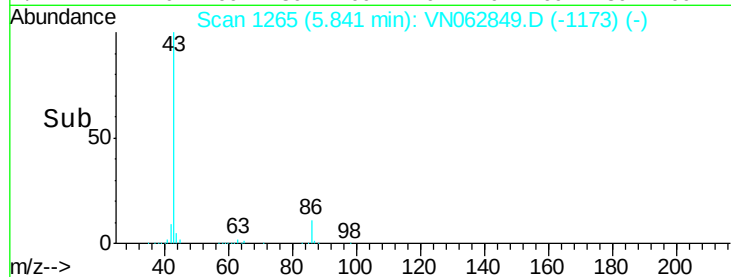
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 44.230 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

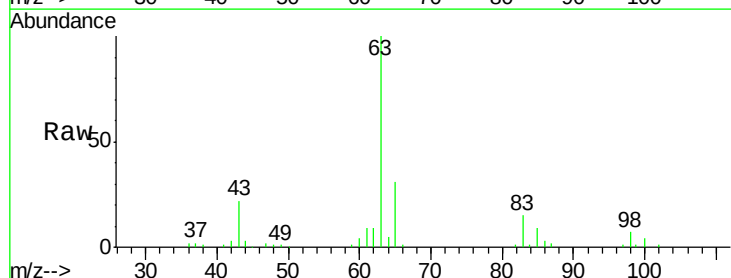
Tgt Ion: 63 Resp: 149775

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 3.9 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN062849.D (-1159) (-)

Ion 97.90 (97.60 to 98.60): VN062849.D (-1159) (-)

Ion 99.90 (99.60 to 100.60): VN062849.D (-1159) (-)

5.80

60000

50000

40000

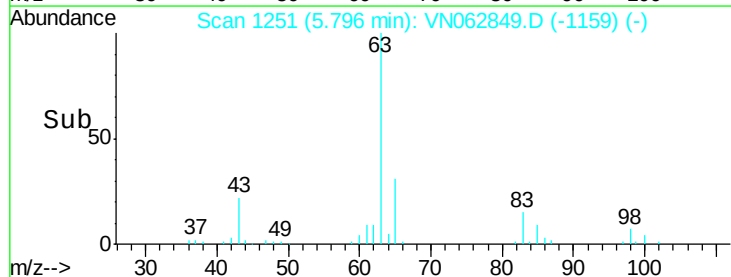
30000

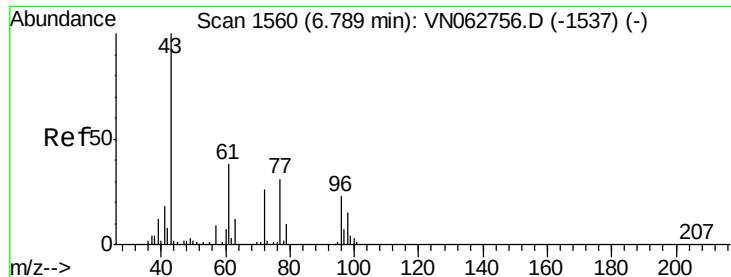
20000

10000

0

Time-->





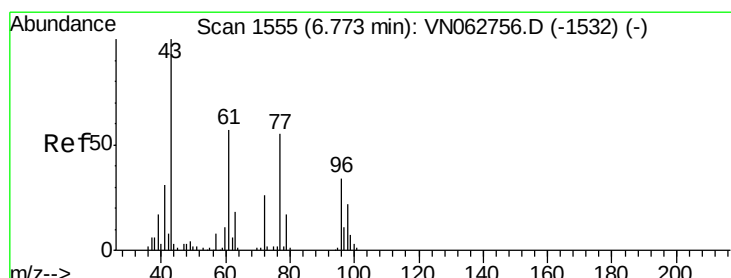
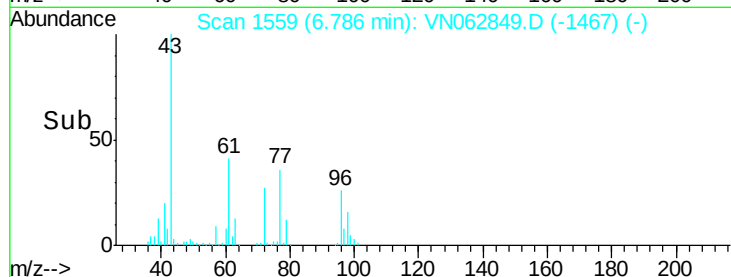
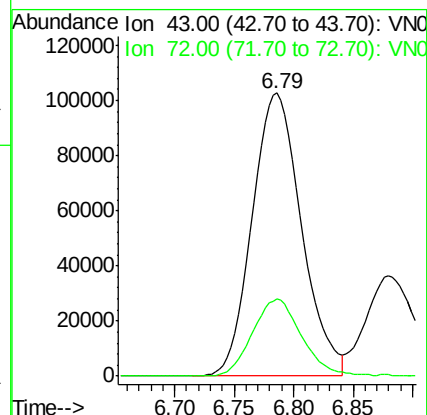
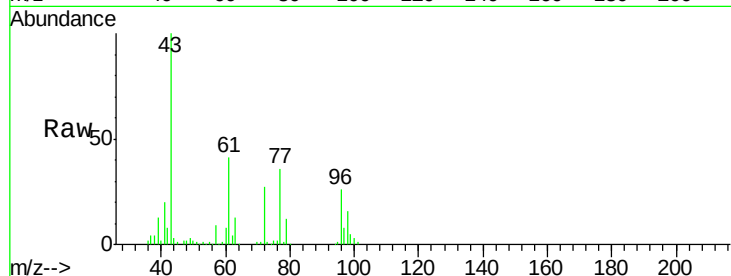
#25
2-Butanone
Concen: 224.963 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 295175
Ion Ratio Lower Upper
43 100
72 27.2 21.1 31.7

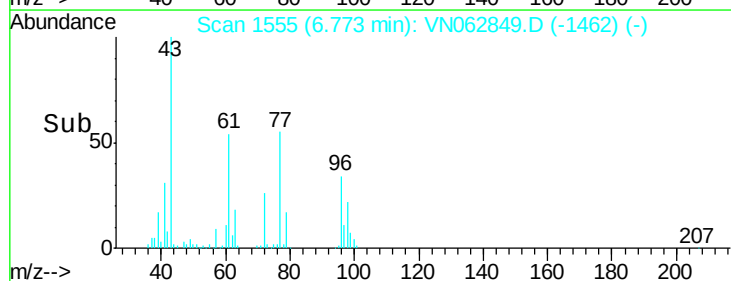
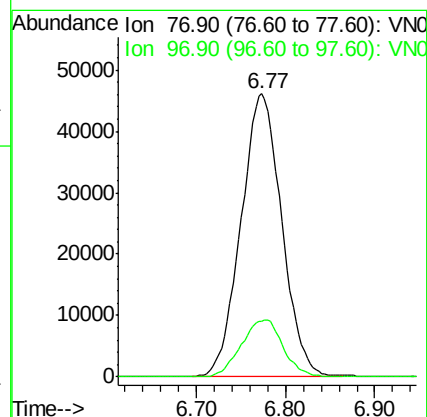
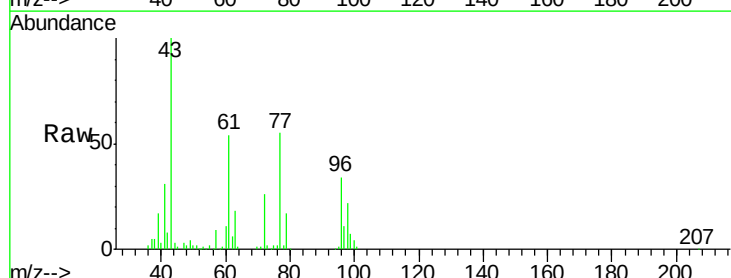
Manual Integrations
APPROVED

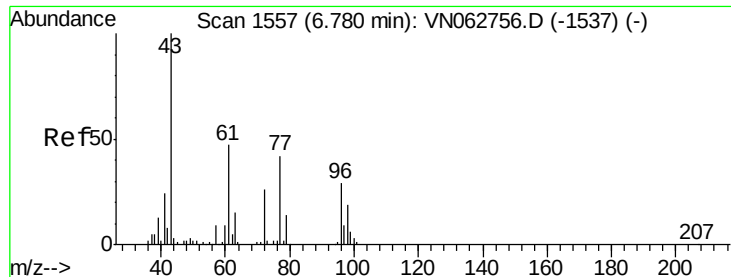
MMDadoda
8/13/2020 10:56:56 AM



#26
2,2-Dichloropropane
Concen: 46.803 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion: 77 Resp: 146092
Ion Ratio Lower Upper
77 100
97 20.6 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 45.982 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

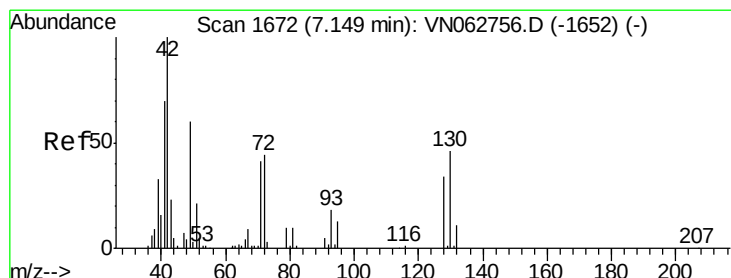
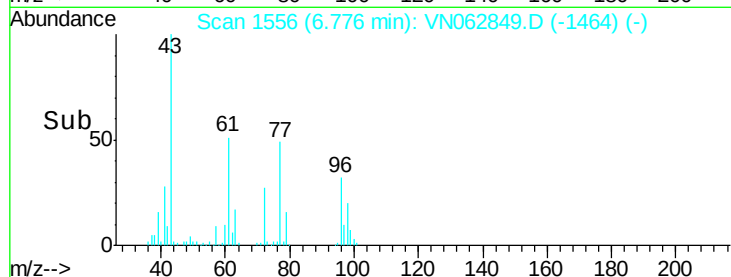
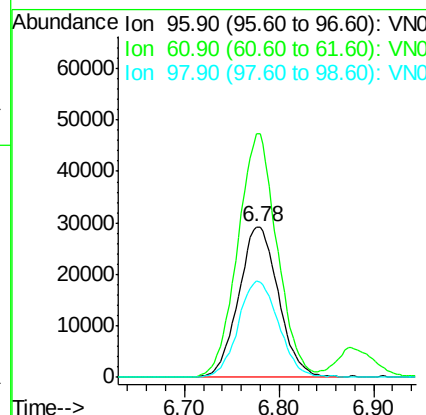
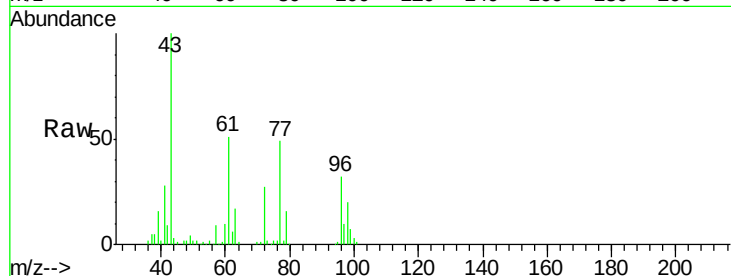
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	85581
Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	332.2
98	64.7	0.0	129.4

Manual Integrations
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MMDadoda
8/13/2020 10:56:56 AM



#28

Bromochloromethane

Concen: 43.685 ug/l

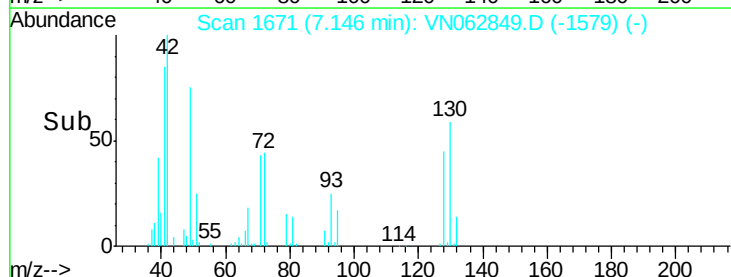
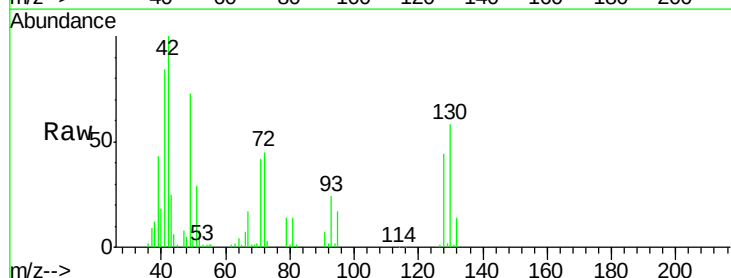
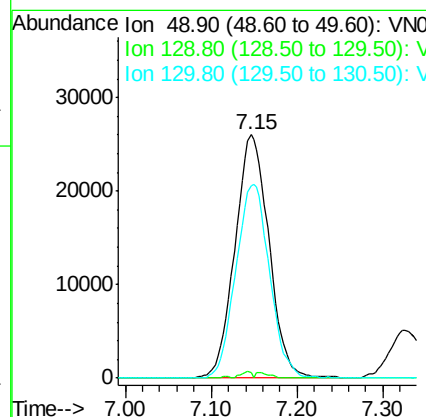
RT: 7.15 min Scan# 1671

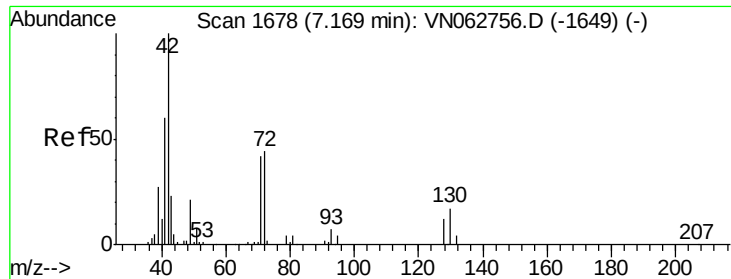
Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Tgt Ion:	49	Resp:	71395
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.2
130	78.7	59.0	88.6





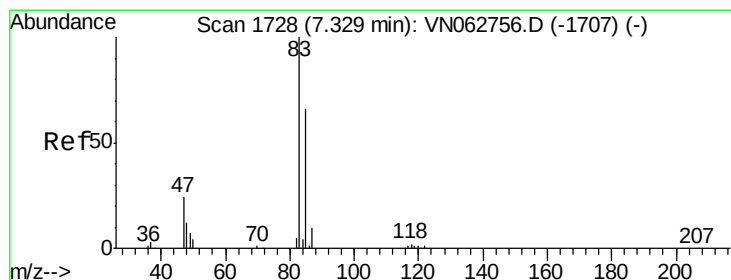
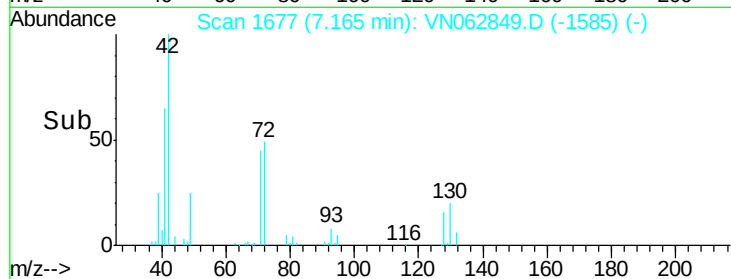
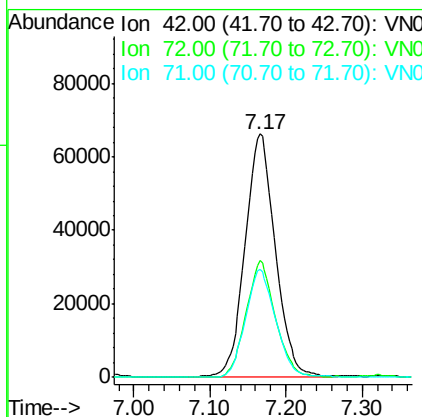
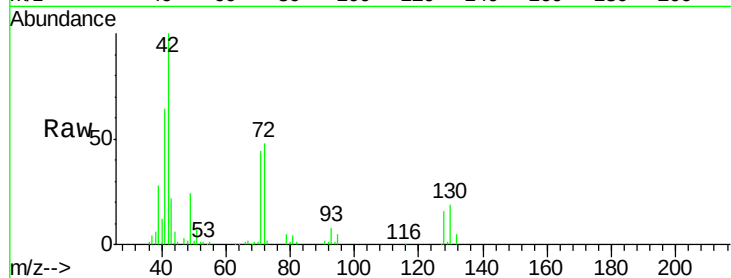
#29
Tetrahydrofuran
Concen: 216.359 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	35.0	52.4
71	43.5	33.2	49.8

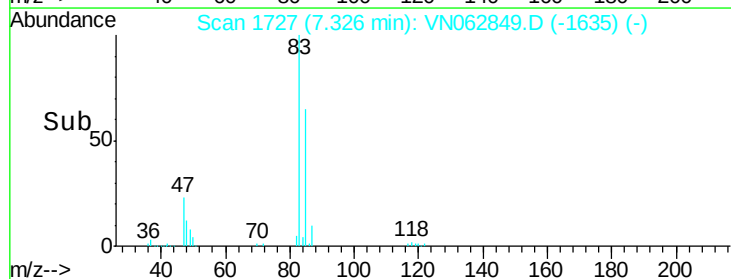
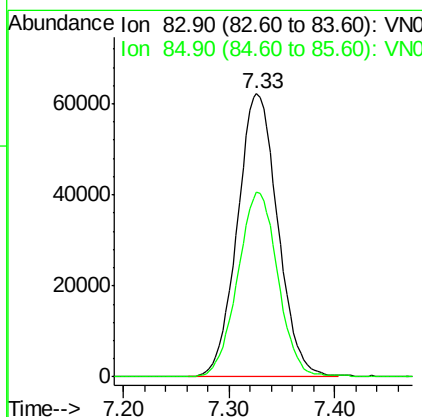
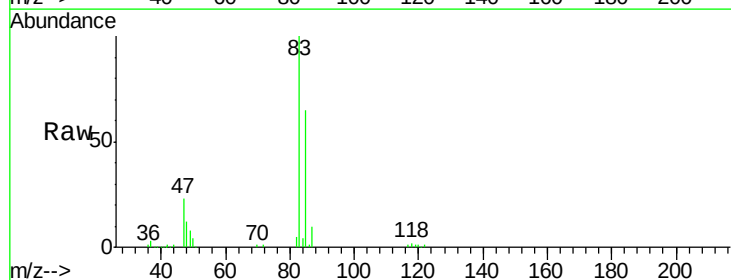
Manual Integrations
APPROVED

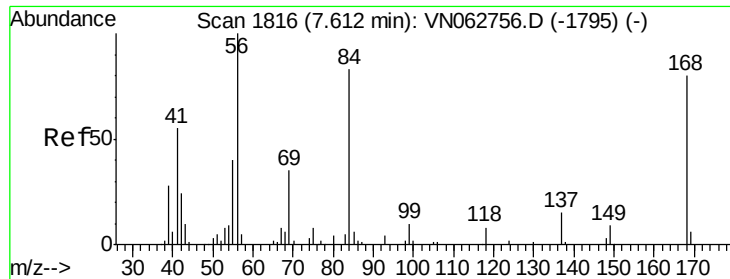
MMDadoda
8/13/2020 10:56:56 AM



#30
Chloroform
Concen: 46.047 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.7	79.1





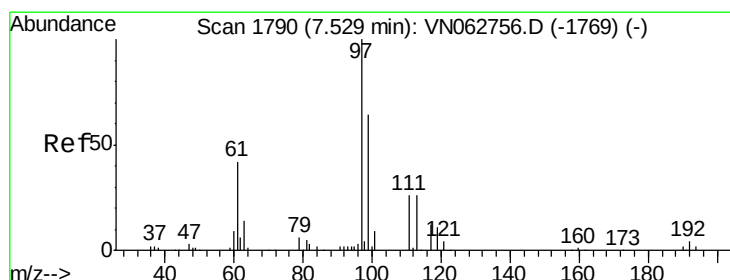
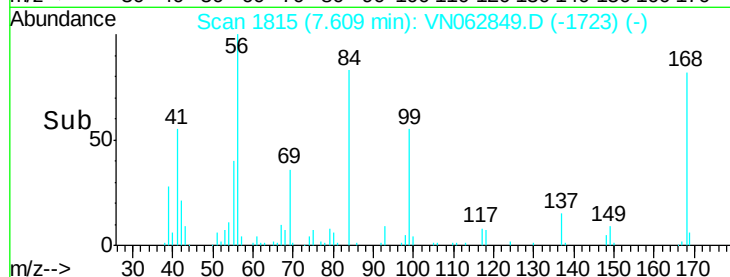
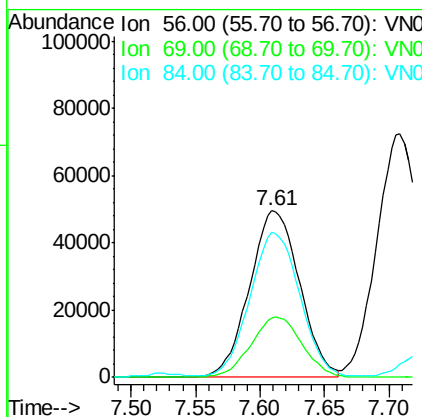
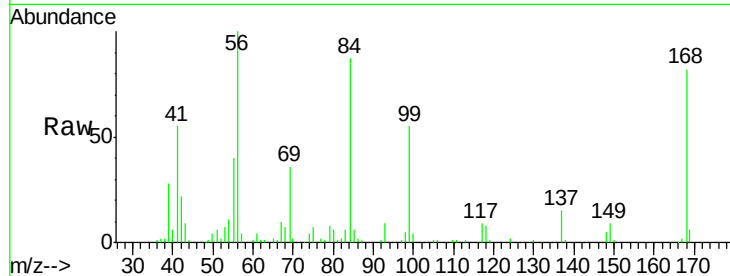
#31
Cyclohexane
Concen: 43.172 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	28.1	42.1
84	85.8	66.8	100.2

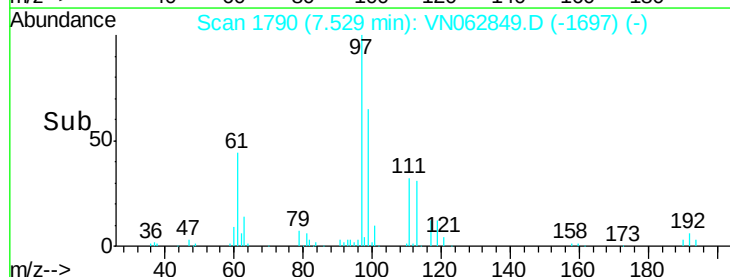
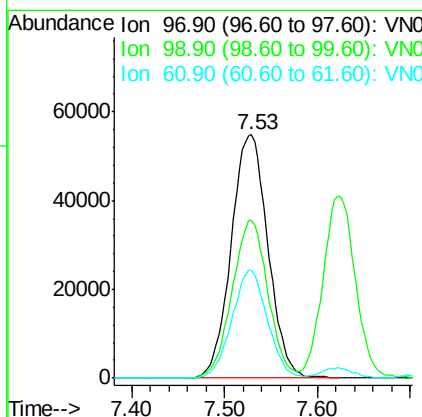
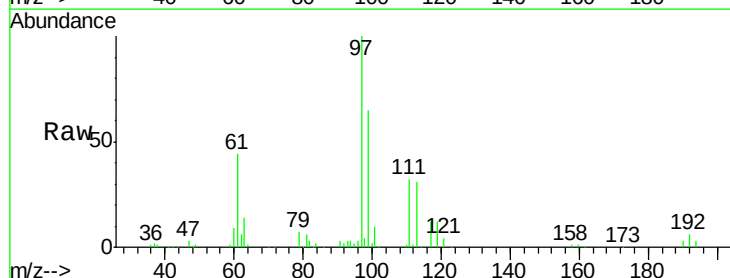
Manual Integrations
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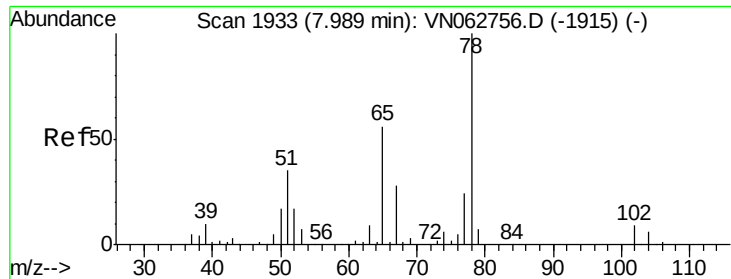
MMDadoda
8/13/2020 10:56:56 AM



#32
1,1,1-Trichloroethane
Concen: 46.819 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.0	75.0
61	42.8	34.8	52.2





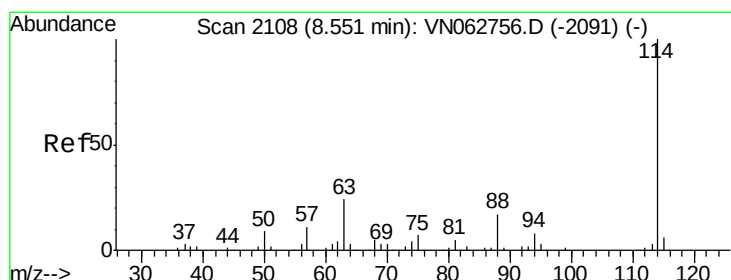
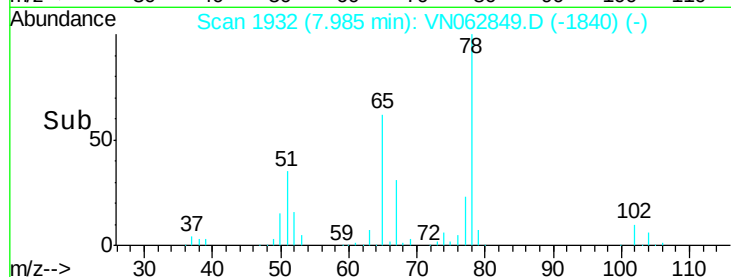
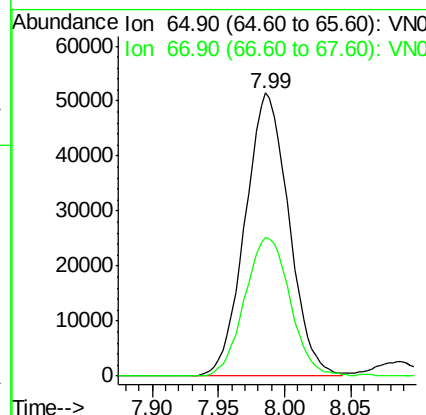
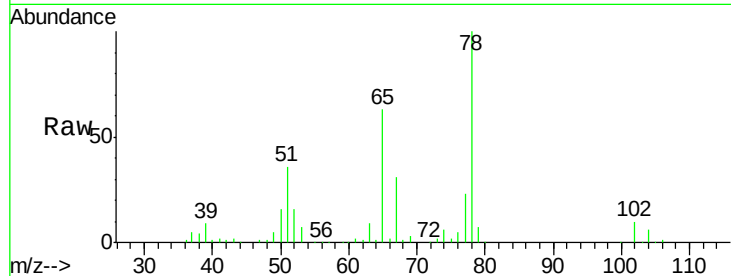
#33
 1,2-Dichloroethane-d4
 Concen: 46.046 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.9	0.0	101.4	

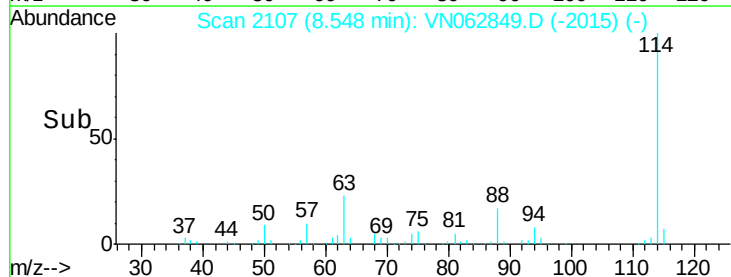
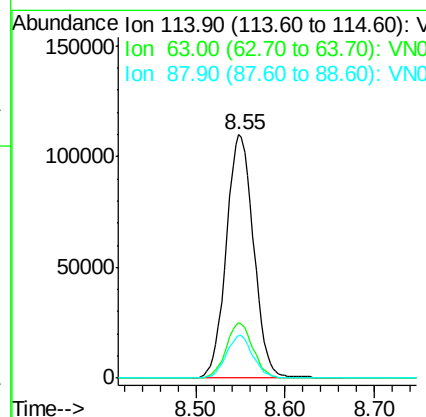
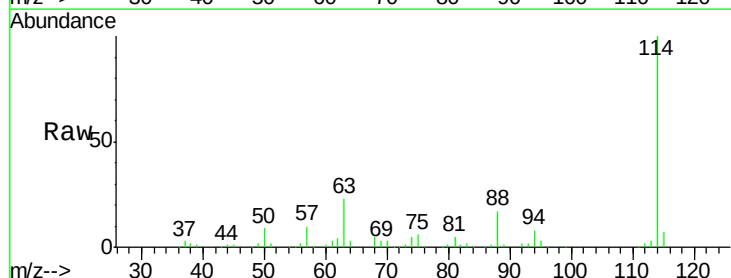
Manual Integrations
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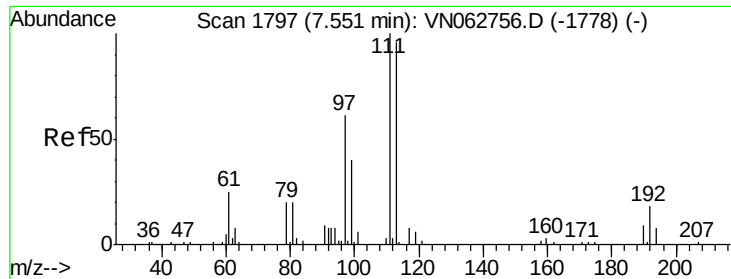
MMDadoda
 8/13/2020 10:56:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	47.6	
88	17.3	0.0	34.4	





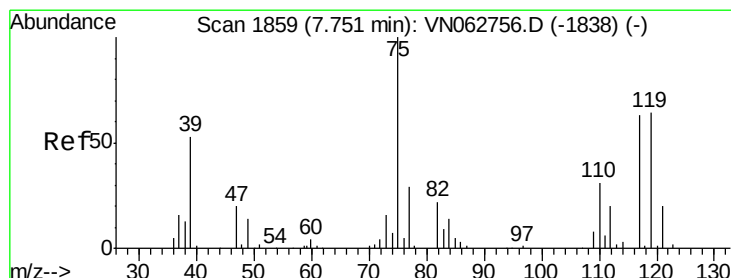
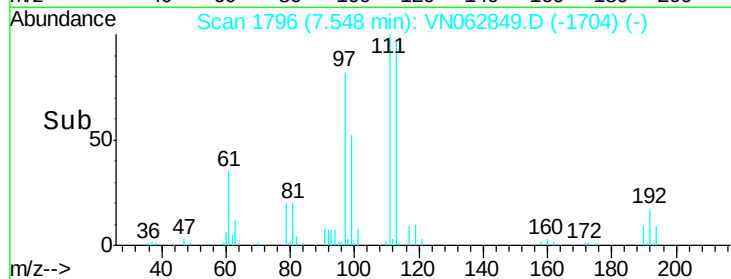
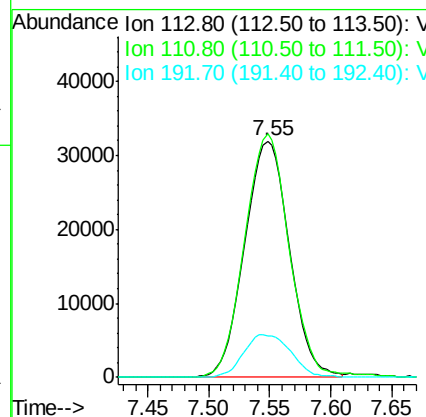
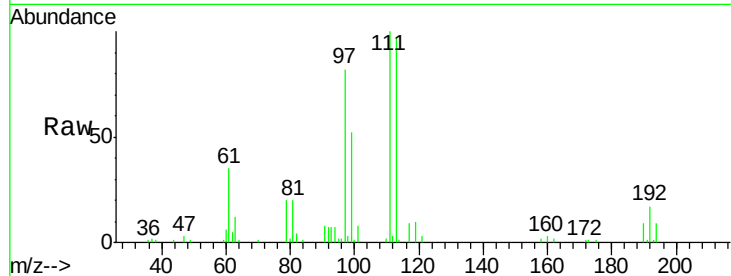
#35
 Dibromofluoromethane
 Concen: 51.013 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	81220		
111	102.5	81.8	122.6	
192	19.1	15.0	22.4	

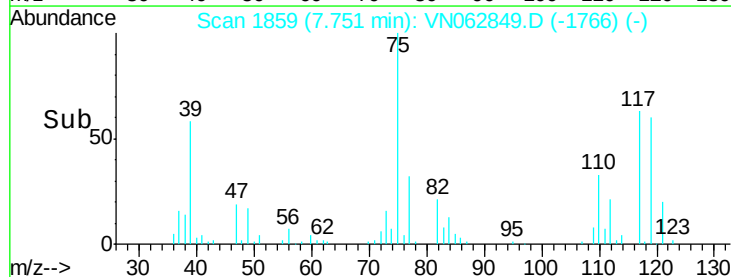
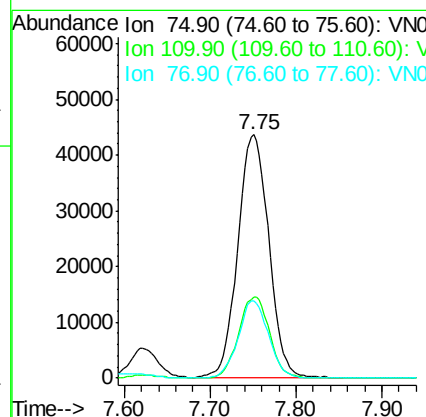
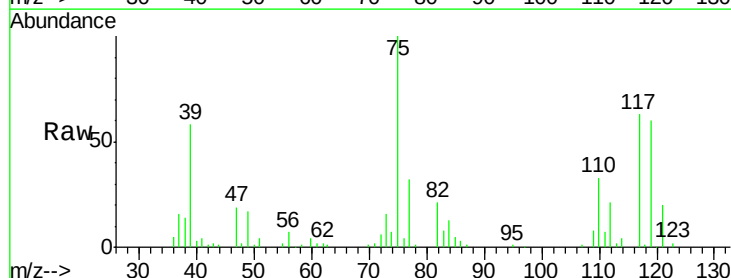
Manual Integrations
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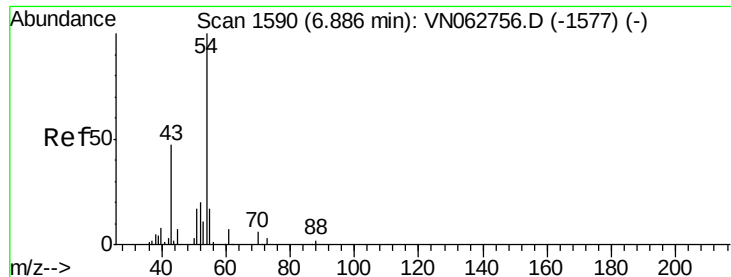
MMDadoda
 8/13/2020 10:56:56 AM



#36
 1,1-Dichloropropene
 Concen: 48.409 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	109710		
110	33.1	15.6	46.7	
77	31.0	24.1	36.1	





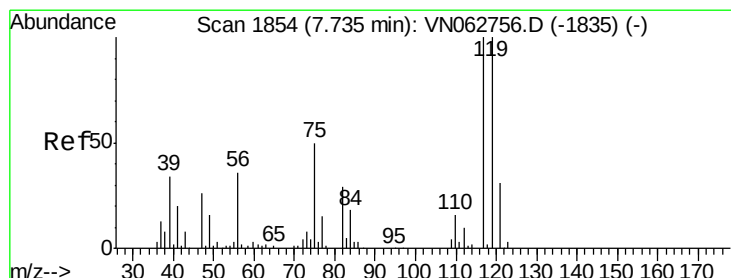
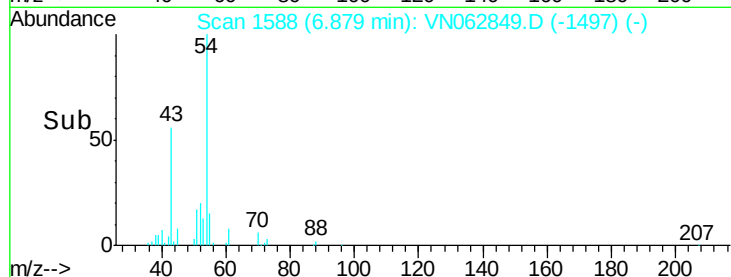
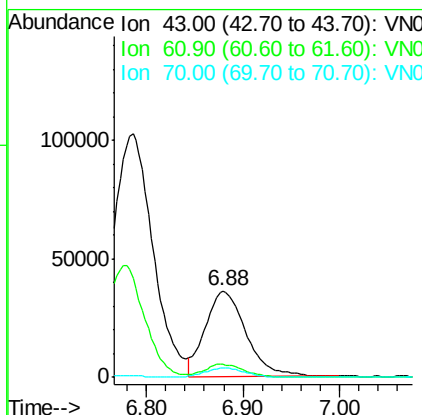
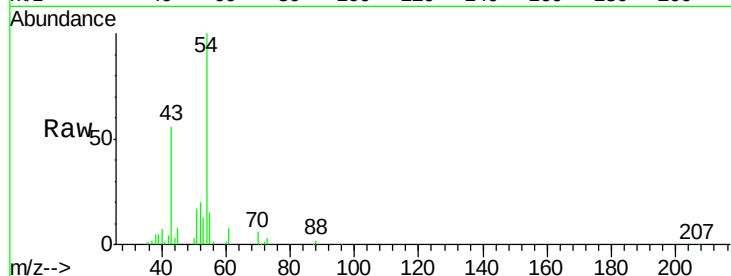
#37
Ethyl Acetate
Concen: 44.983 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.01 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.5	12.1	18.1	
70	10.8	8.3	12.5	

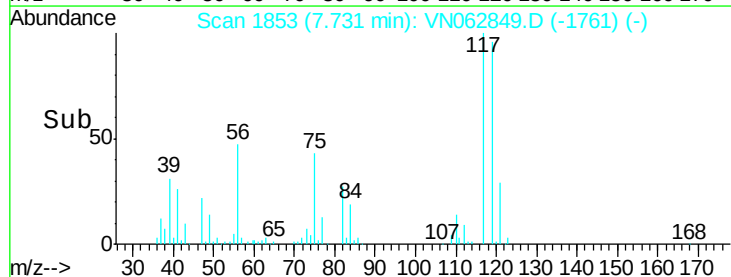
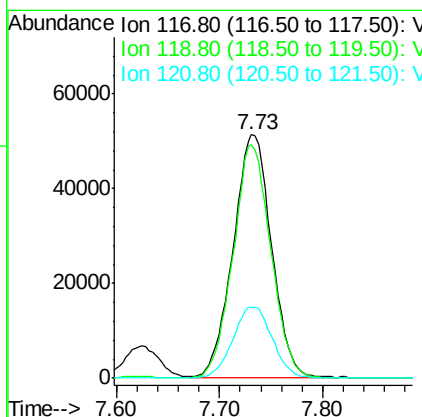
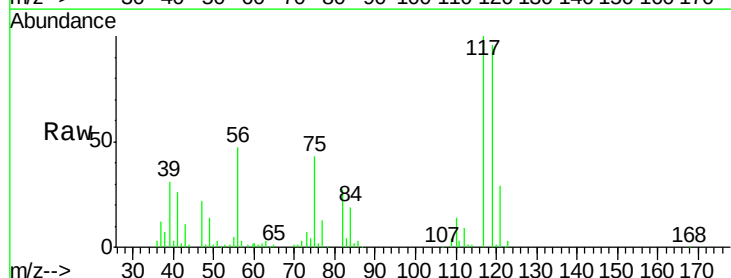
Manual Integrations
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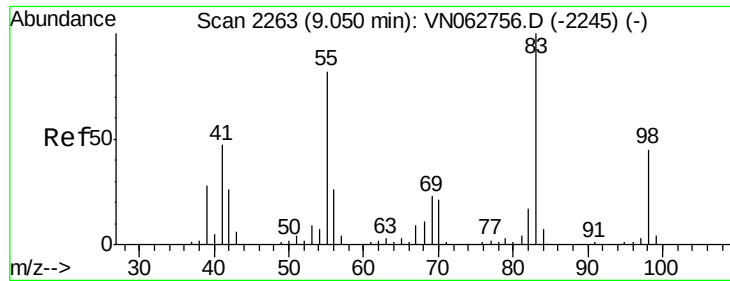
MMDadoda
8/13/2020 10:56:56 AM



#38
Carbon Tetrachloride
Concen: 49.336 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.3	79.4	119.2	
121	29.4	24.9	37.3	





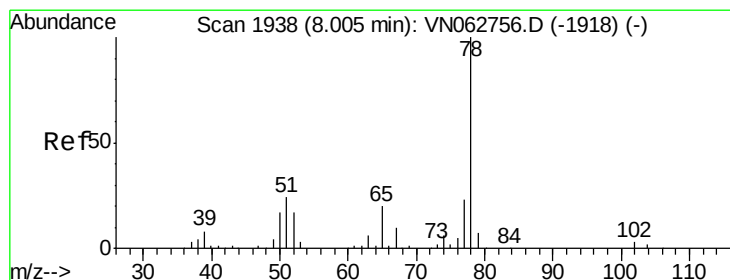
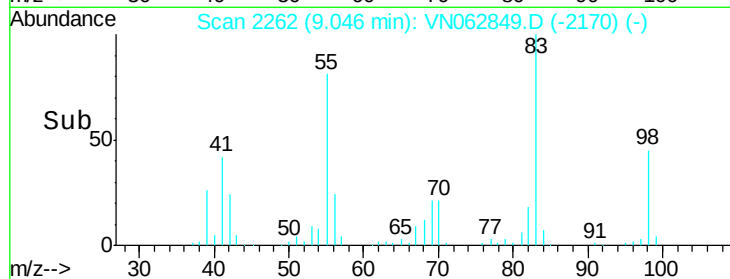
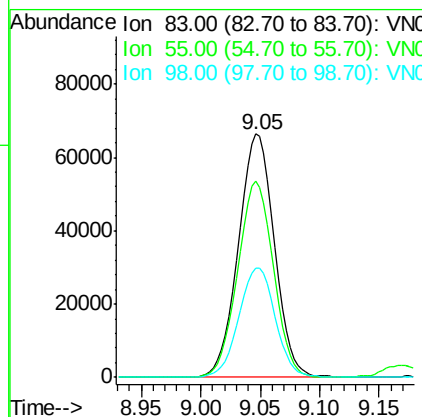
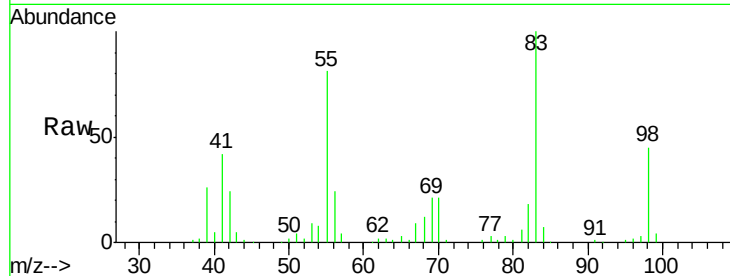
#39
Methylvlcyclohexane
Concen: 51.093 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	139351
Ion	Ratio	Lower	Upper
83	100		
55	80.8	65.7	98.5
98	45.0	35.6	53.4

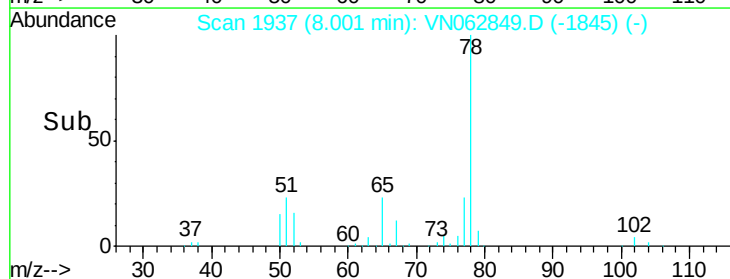
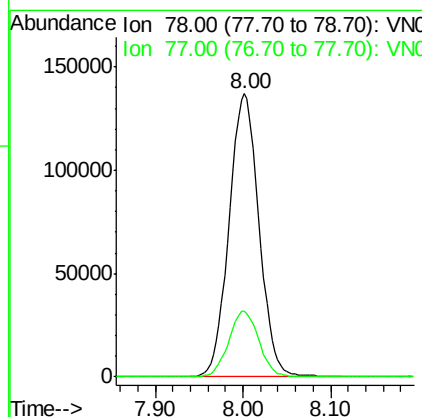
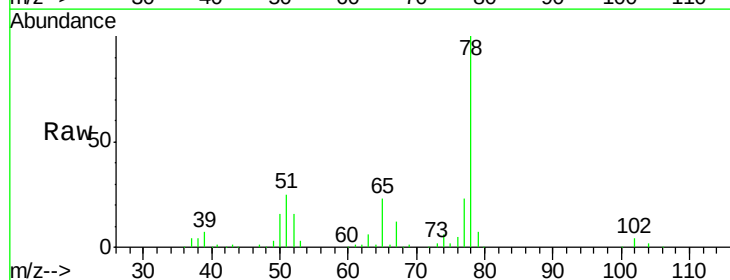
Manual Integrations
APPROVED

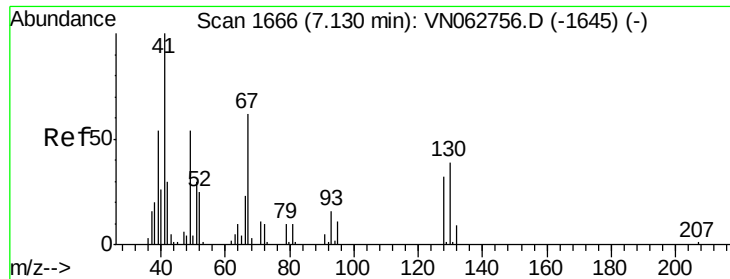
MMDadoda
8/13/2020 10:56:56 AM



#40
Benzene
Concen: 48.088 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	78	Resp	325205
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.1	27.1





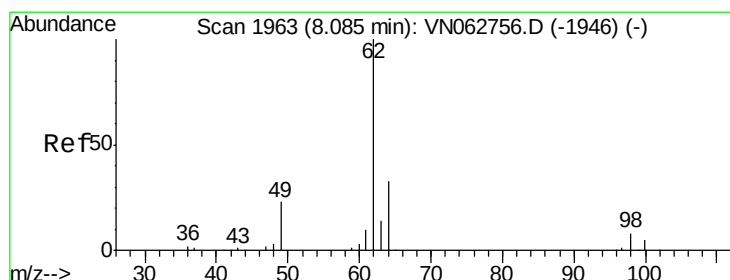
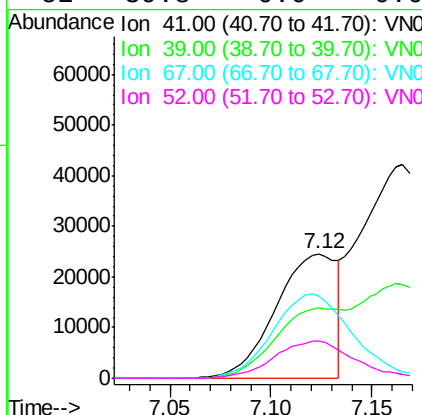
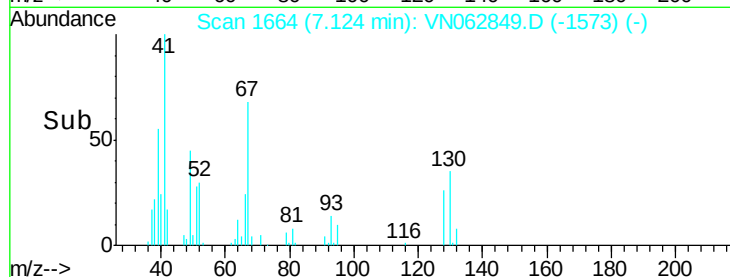
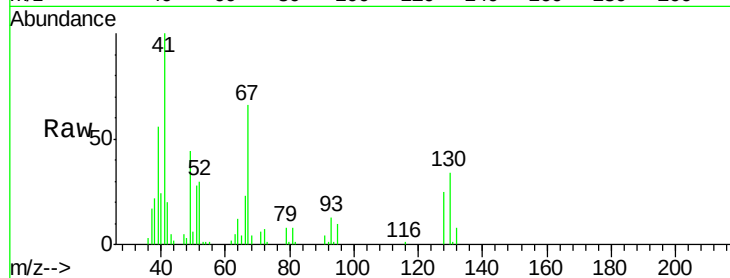
#41
Methacrylonitrile
Concen: 48.228 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.6	69.4	104.2#
67	89.8	0.0	0.0#
52	39.8	0.0	0.0#

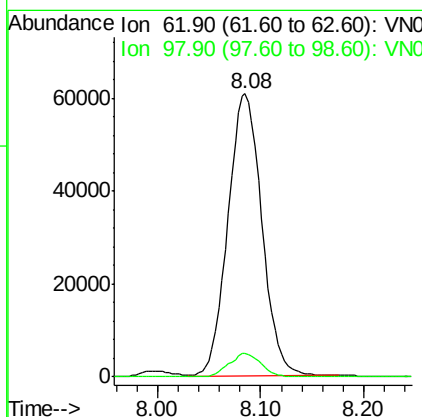
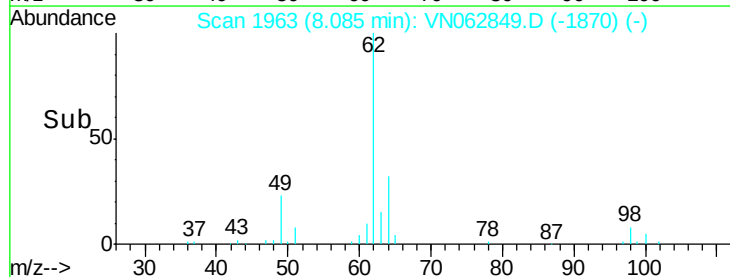
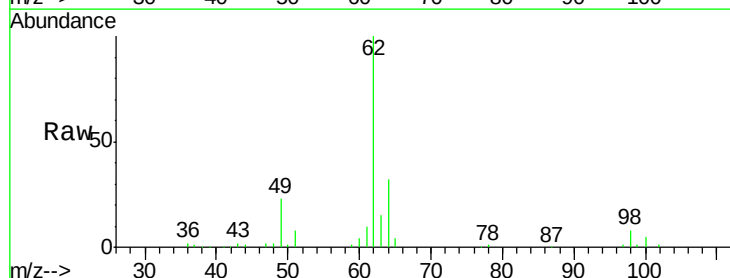
Manual Integrations
APPROVED

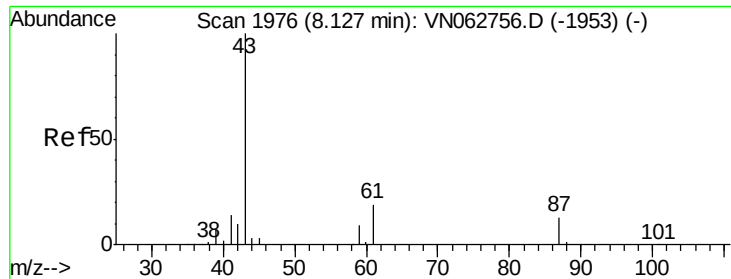
MMDadoda
8/13/2020 10:56:56 AM



#42
1,2-Dichloroethane
Concen: 48.535 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





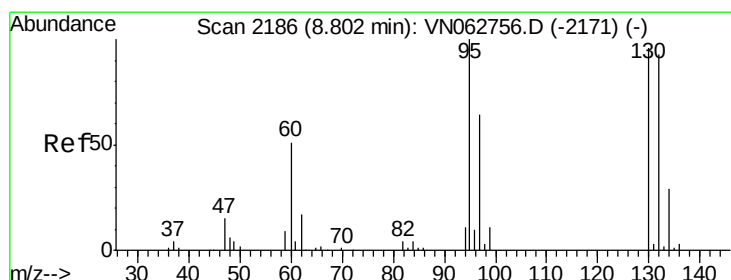
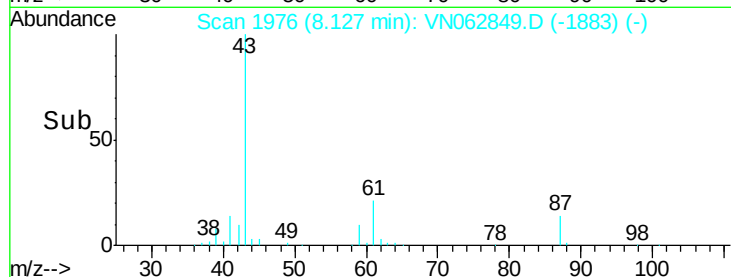
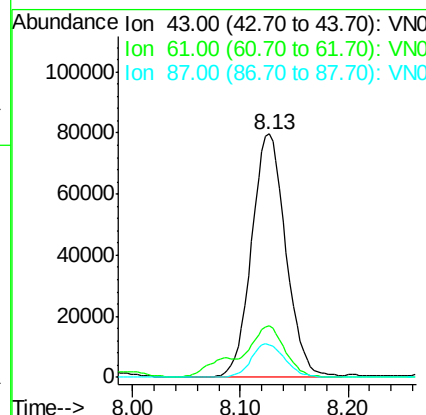
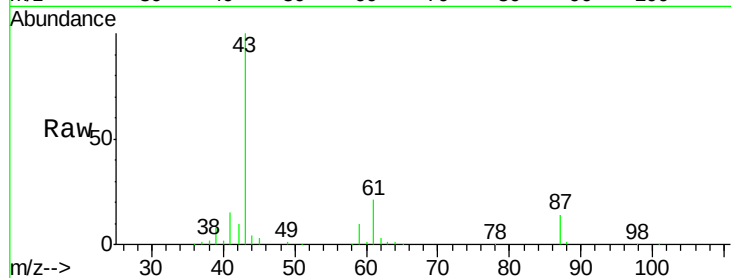
#43
Isopropyl Acetate
Concen: 44.583 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	15.8	23.6
87	13.7	9.9	14.9

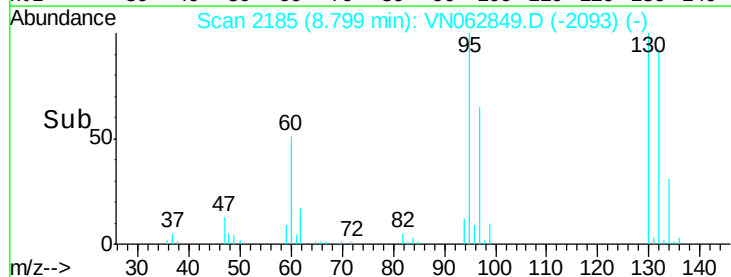
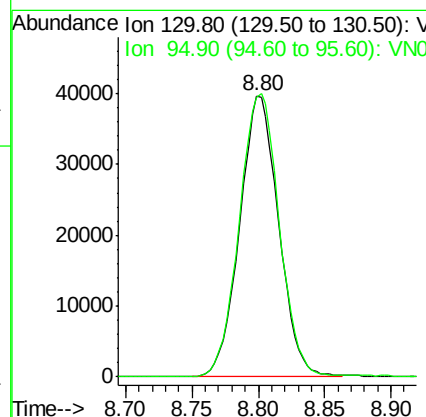
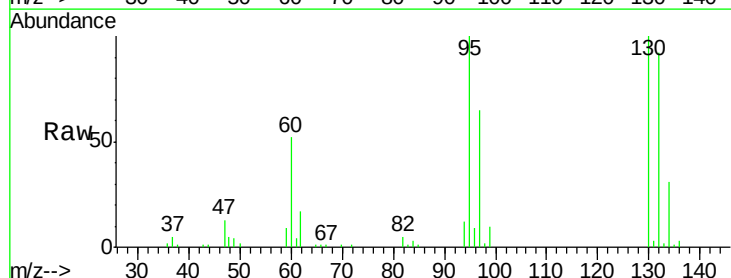
Manual Integrations
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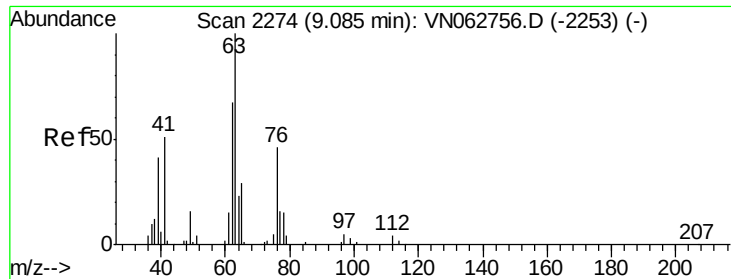
MMDadoda
8/13/2020 10:56:56 AM



#44
Trichloroethene
Concen: 49.150 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	207.6





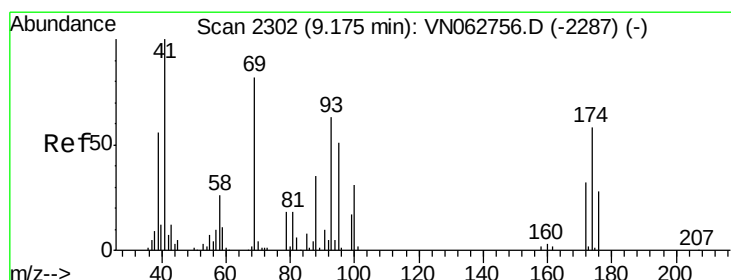
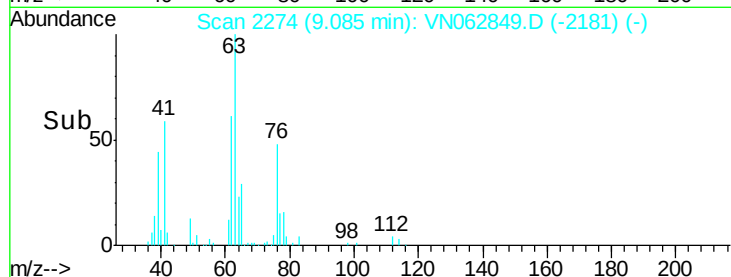
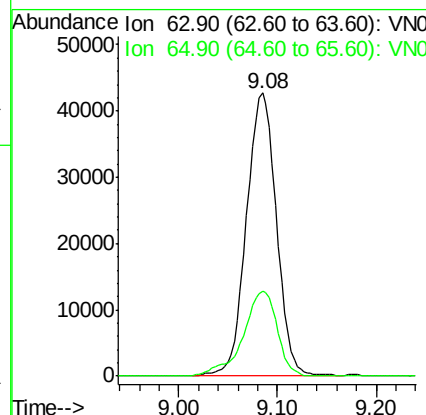
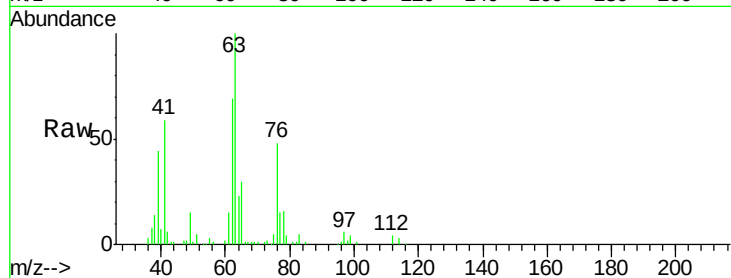
#45
 1,2-Dichloropropane
 Concen: 49.129 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	23.5	35.3

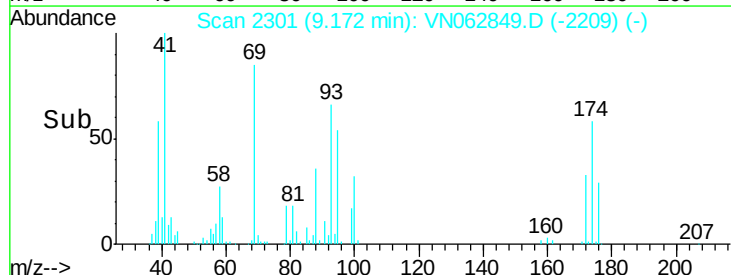
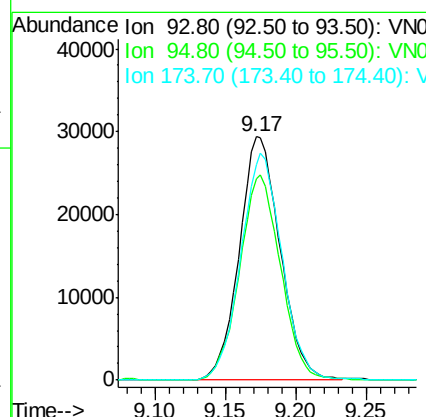
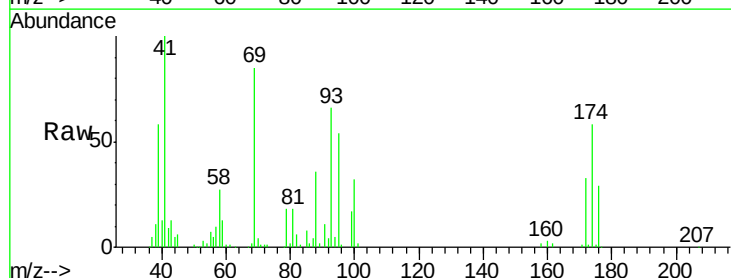
Manual Integrations
 APPROVED

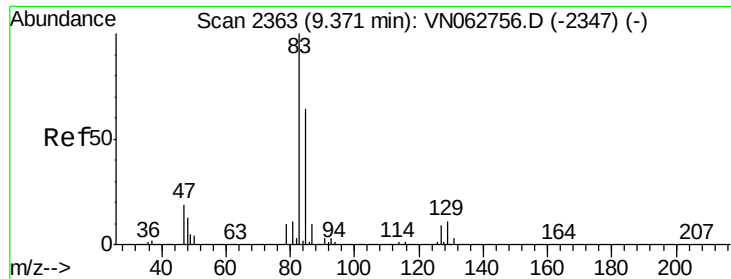
MMDadoda
 8/13/2020 10:56:56 AM



#46
 Dibromomethane
 Concen: 49.787 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.1	97.7
174	93.6	73.9	110.9





#47

Bromodichloromethane

Concen: 51.301 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

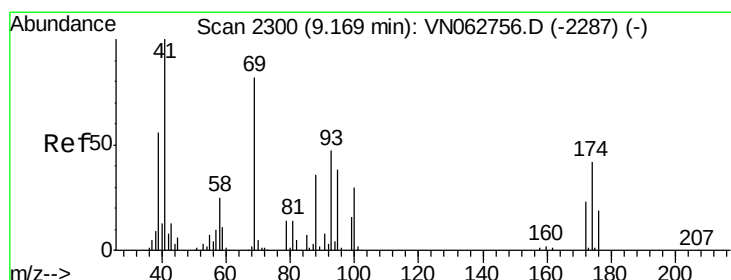
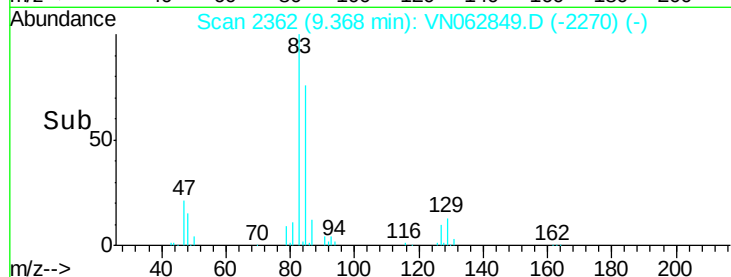
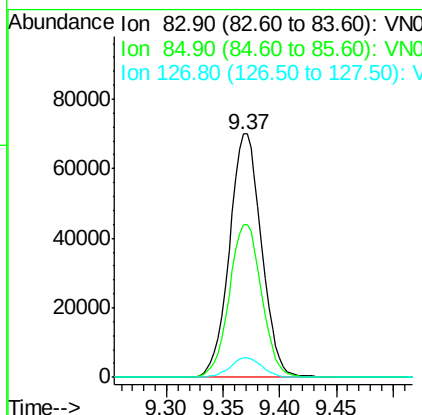
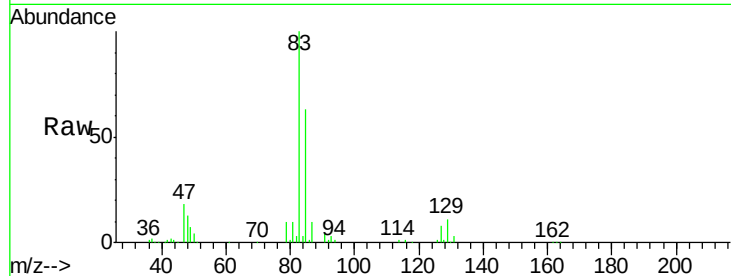
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	138180
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.0
127	8.3	6.9	10.3

Manual Integrations
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MMDadoda
8/13/2020 10:56:56 AM



#48

Methyl methacrylate

Concen: 46.705 ug/l

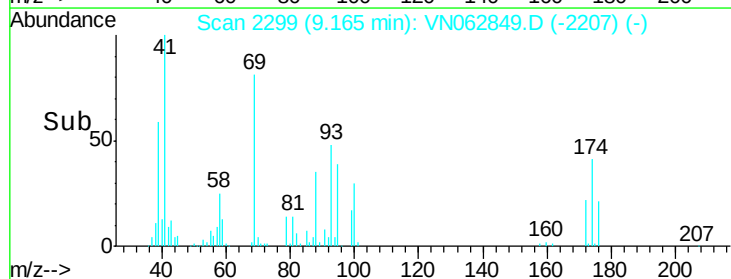
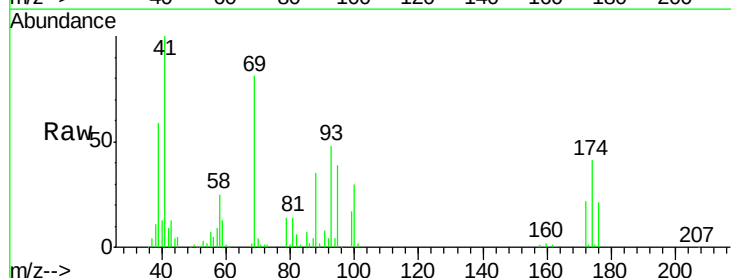
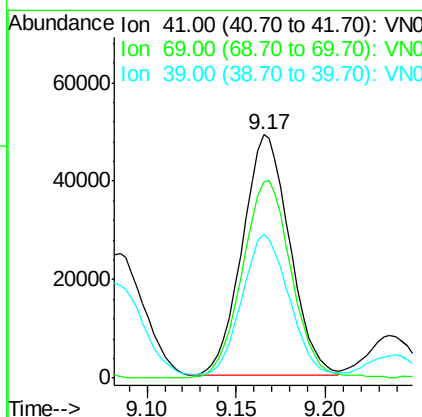
RT: 9.17 min Scan# 2299

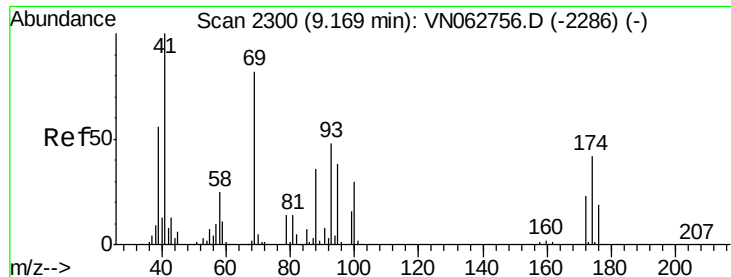
Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Tgt Ion:	41	Resp:	90712
Ion	Ratio	Lower	Upper
41	100		
69	85.3	67.4	101.2
39	59.9	47.6	71.4





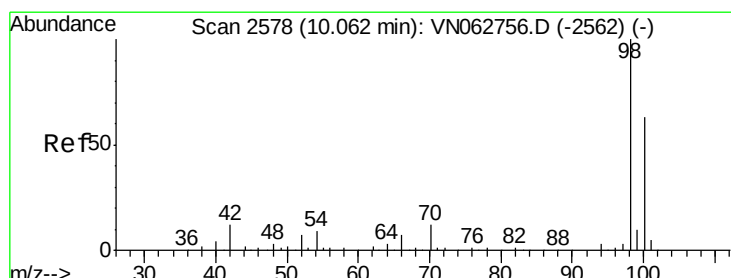
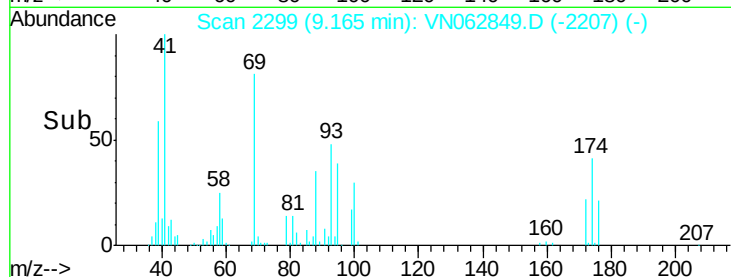
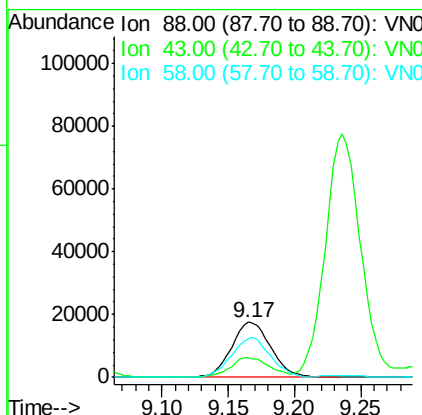
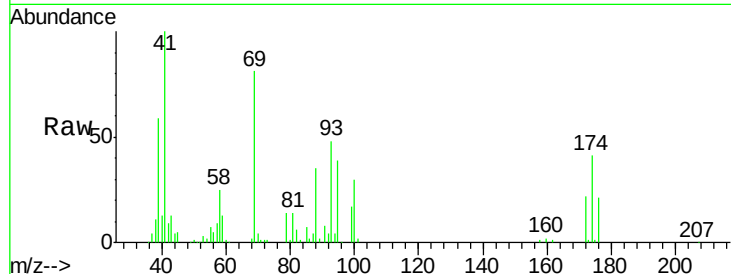
#49
1,4-Dioxane
Concen: 1008.790 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	29.5	44.3
58	70.6	59.8	89.8

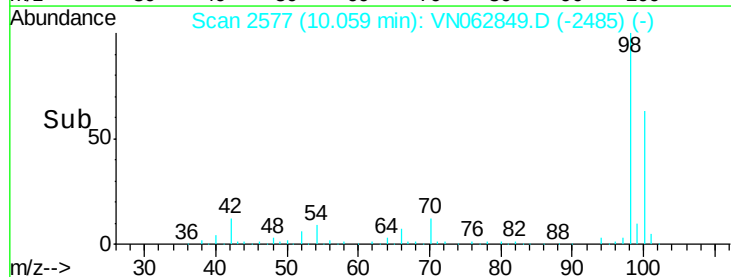
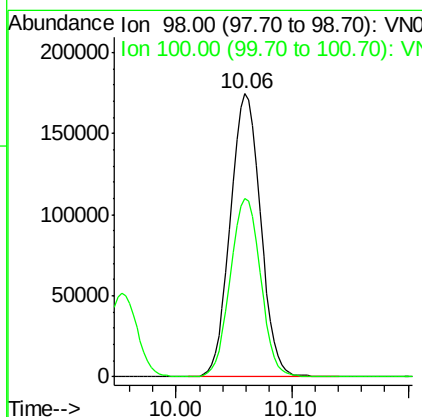
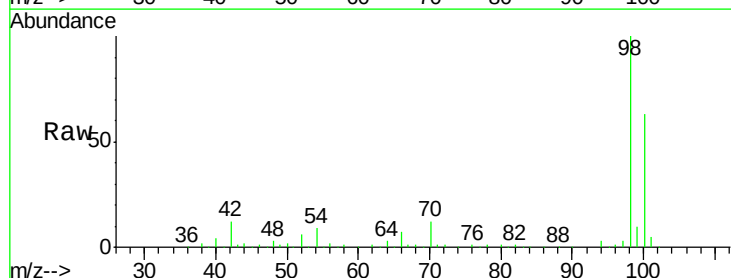
Manual Integrations
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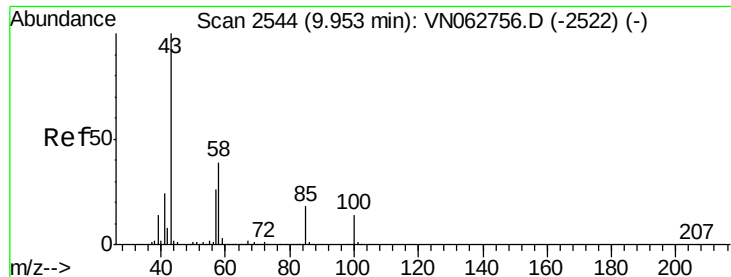
MMDadoda
8/13/2020 10:56:56 AM



#50
Toluene-d8
Concen: 50.751 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.9	76.3





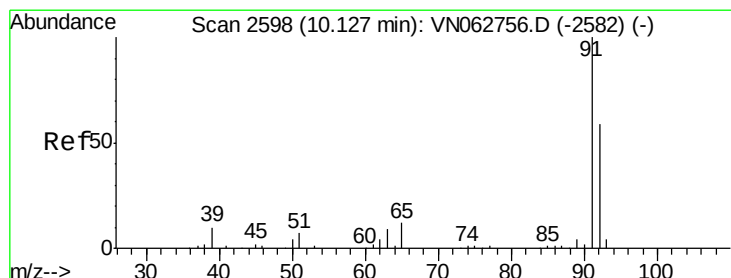
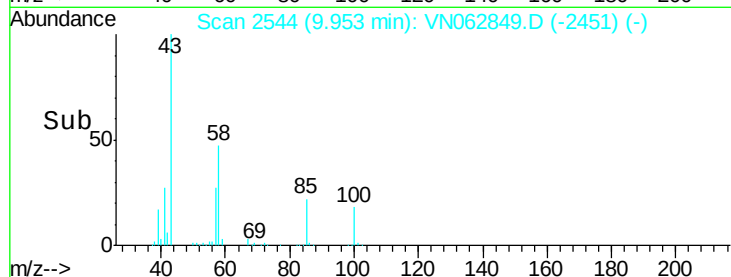
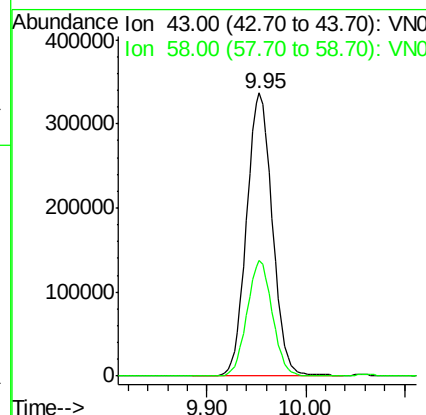
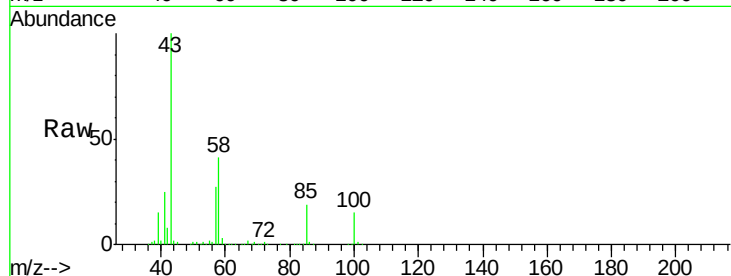
#51
4-Methyl-2-Pentanone
Concen: 237.779 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.1	46.7

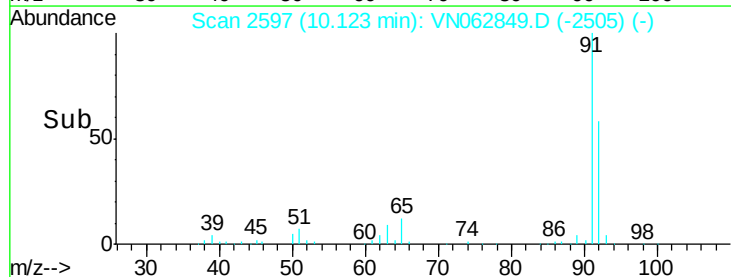
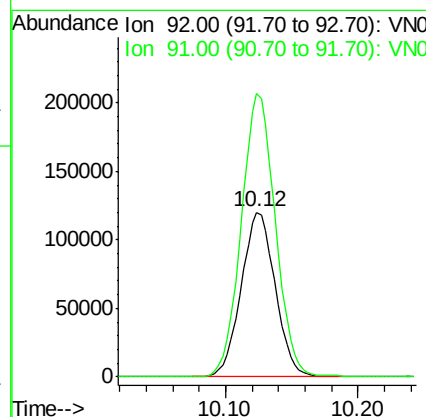
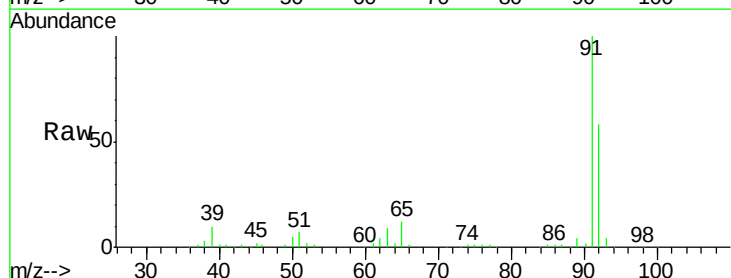
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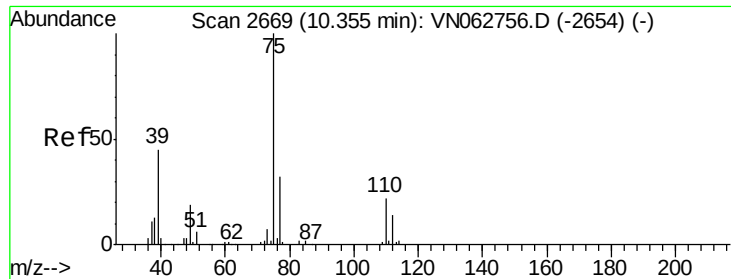
MMDadoda
8/13/2020 10:56:56 AM



#52
Toluene
Concen: 51.261 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	138.9	208.3





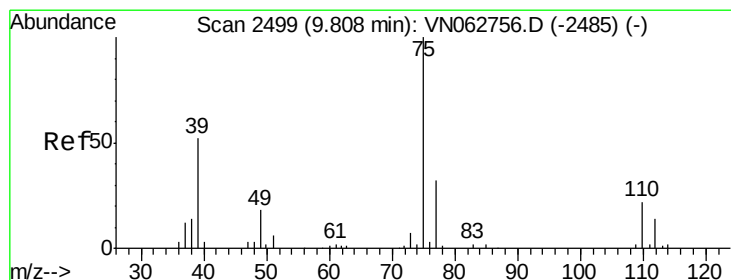
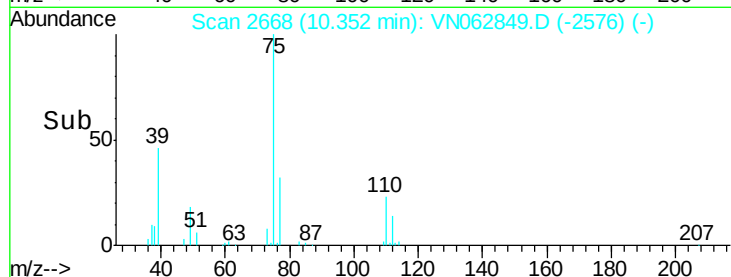
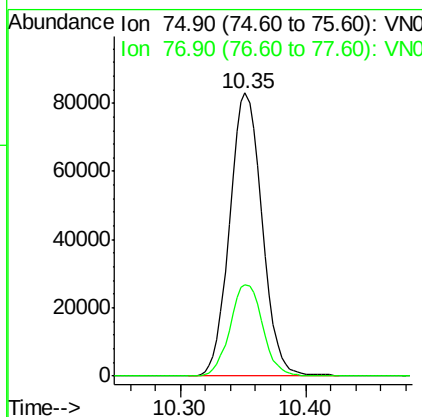
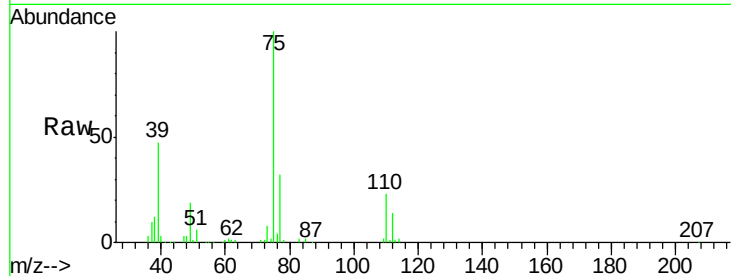
#53
 t-1,3-Dichloropropene
 Concen: 50.392 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 149300
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2

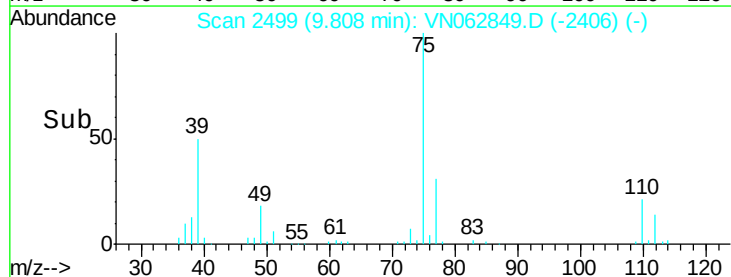
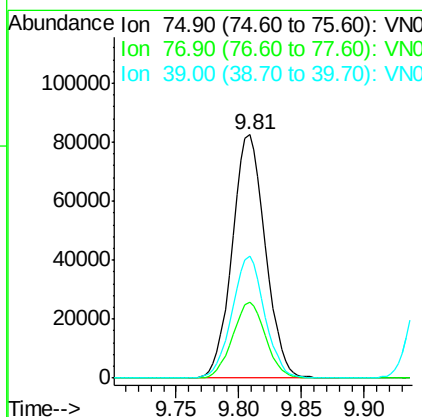
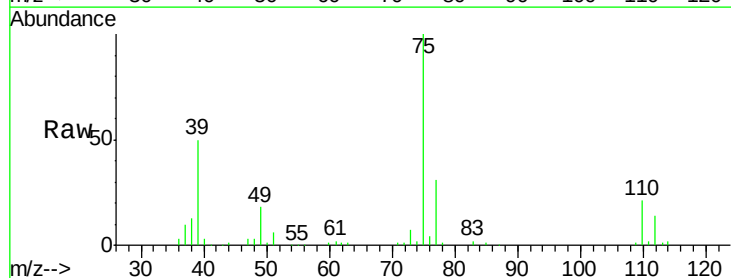
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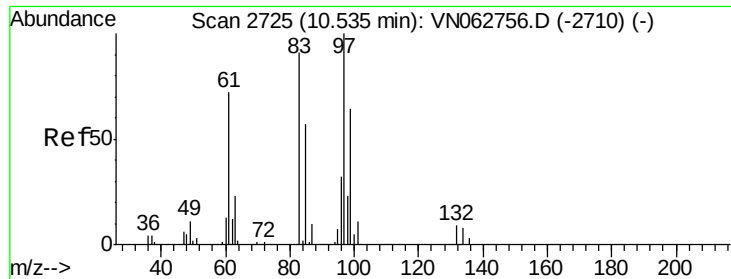
MMDadoda
 8/13/2020 10:56:56 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.988 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Tgt Ion: 75 Resp: 151673
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3
 39 50.2 41.9 62.9





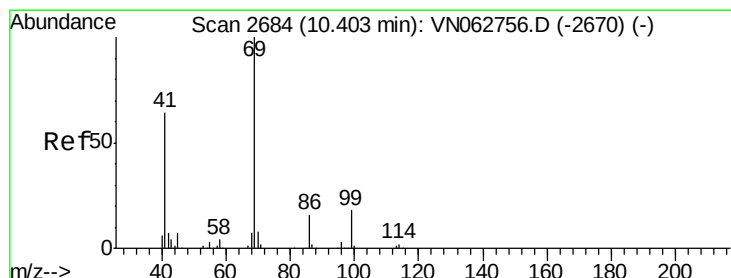
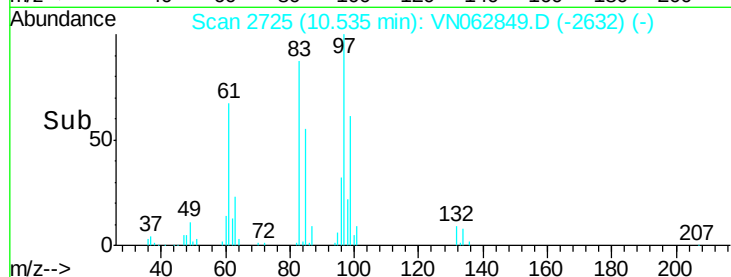
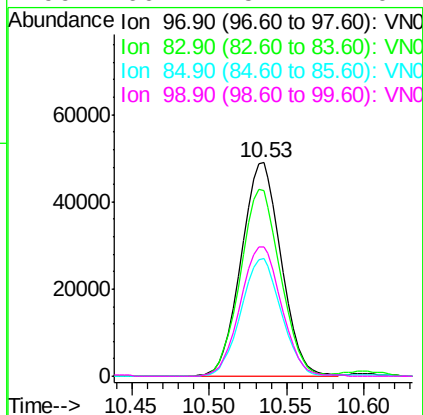
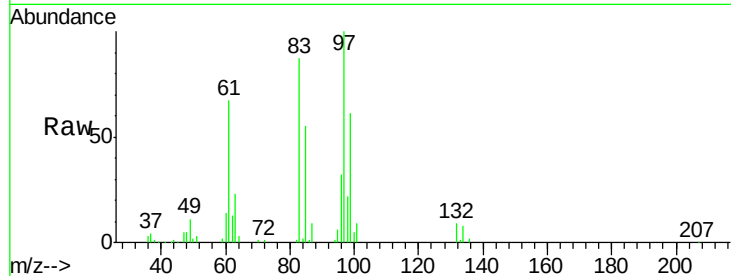
#55
 1,1,2-Trichloroethane
 Concen: 49.571 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	88401
Ion	Ratio	Lower	Upper
97	100		
83	86.6	72.6	108.8
85	55.3	46.0	69.0
99	60.7	51.1	76.7

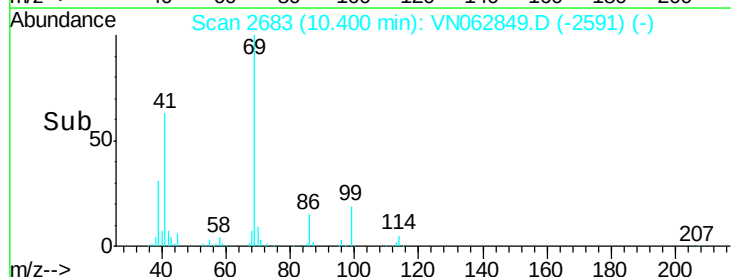
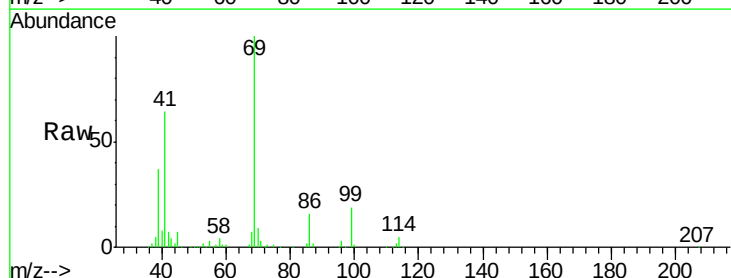
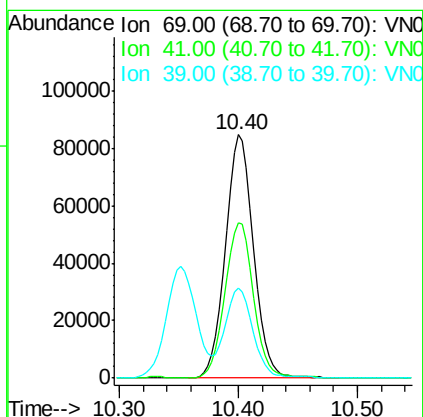
Manual Integrations
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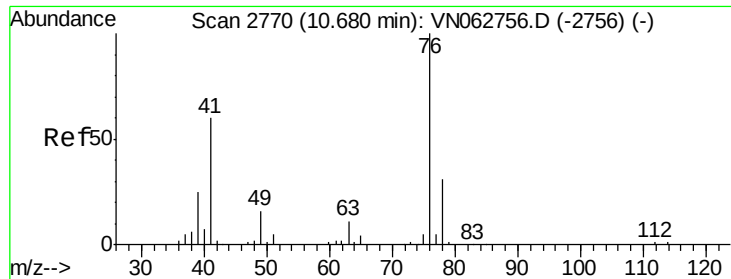
MMDadoda
 8/13/2020 10:56:56 AM



#56
 Ethyl methacrylate
 Concen: 51.605 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Tgt Ion:	69	Resp:	138521
Ion	Ratio	Lower	Upper
69	100		
41	64.4	52.2	78.2
39	36.7	30.9	46.3





#57

1,3-Dichloropropane

Concen: 50.009 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 151533

Ion Ratio Lower Upper

76 100

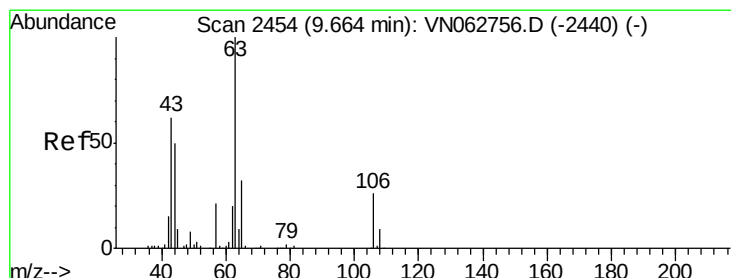
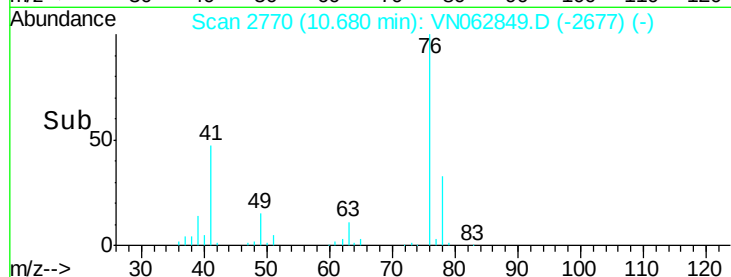
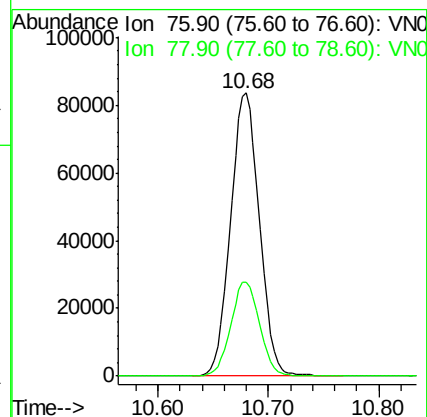
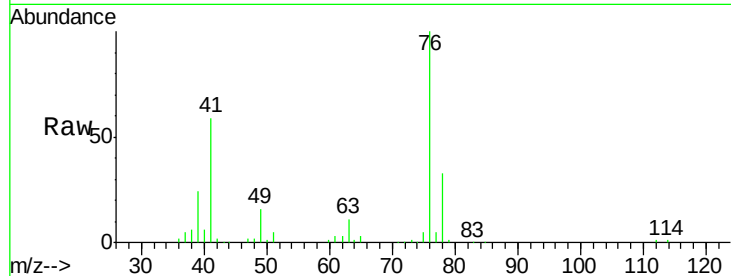
78 33.2 25.4 38.0

Manual Integrations

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MMDadoda

8/13/2020 10:56:56 AM



#58

2-Chloroethyl Vinyl ether

Concen: 236.553 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062849.D

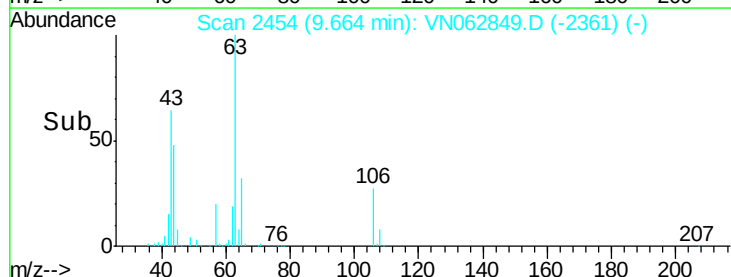
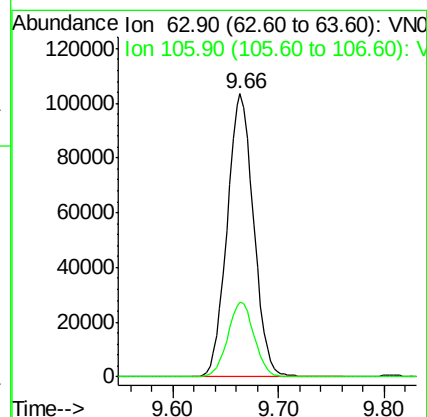
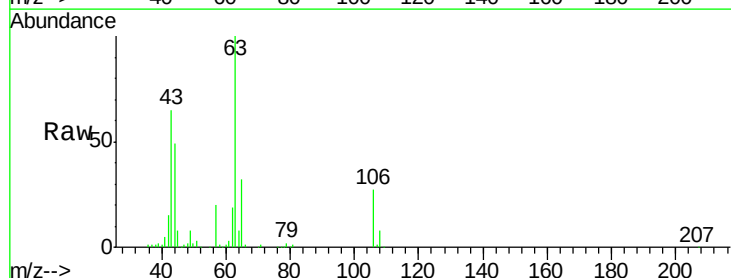
Acq: 12 Aug 2020 11:00

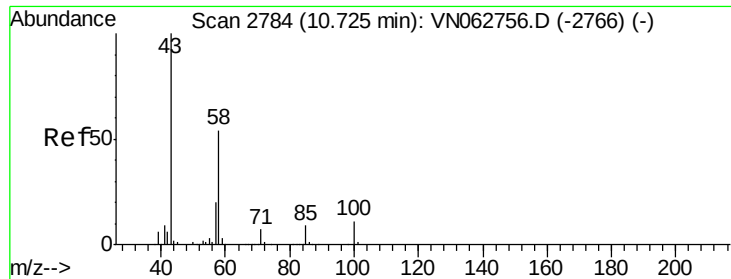
Tgt Ion: 63 Resp: 179482

Ion Ratio Lower Upper

63 100

106 26.4 20.9 31.3





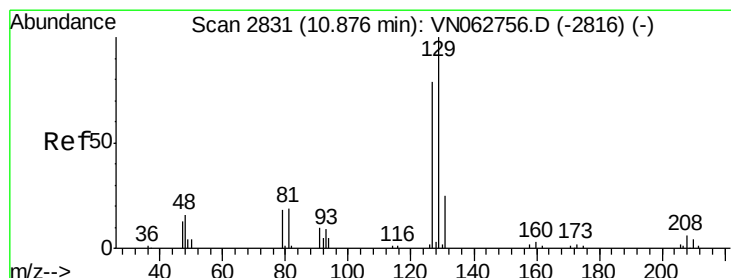
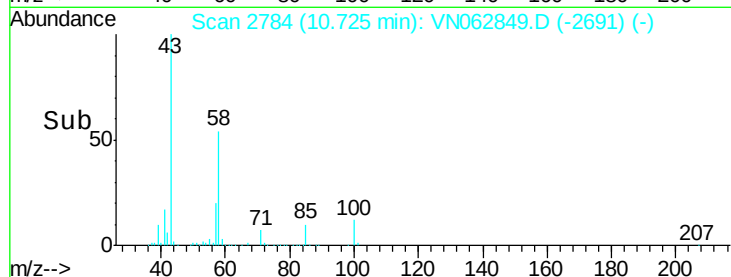
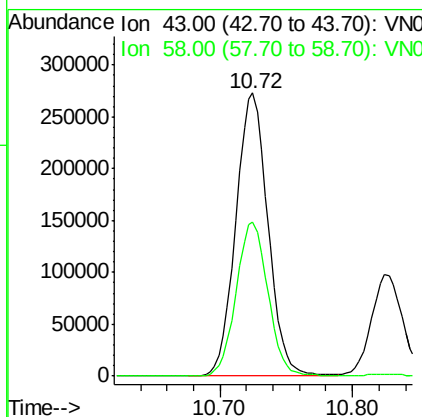
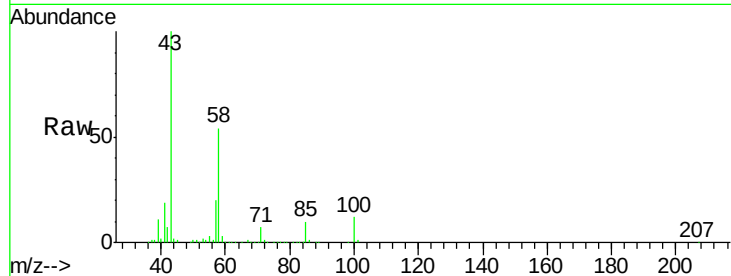
#59
2-Hexanone
Concen: 240.261 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 457890
Ion Ratio Lower Upper
43 100
58 54.2 26.7 80.1

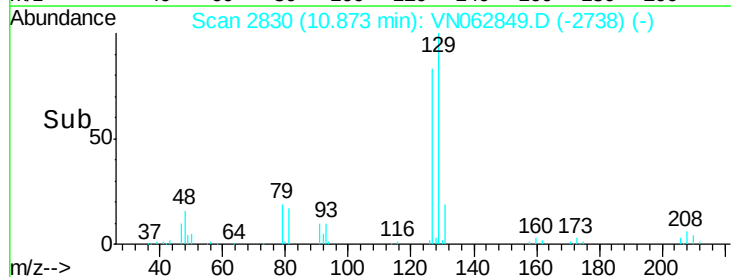
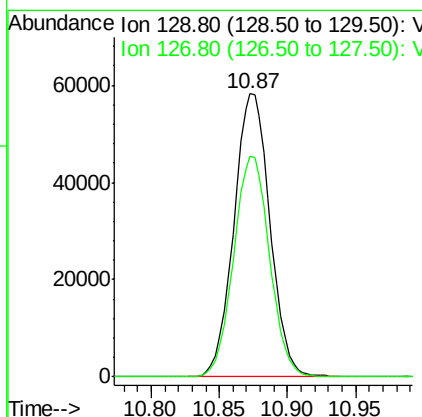
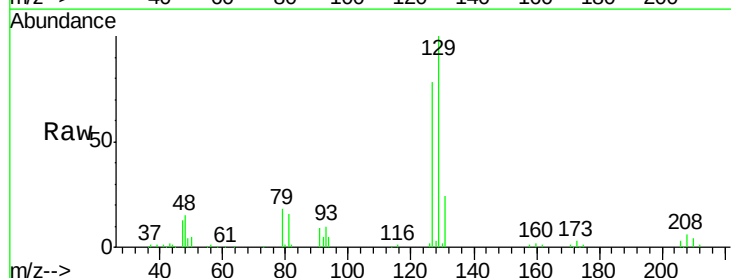
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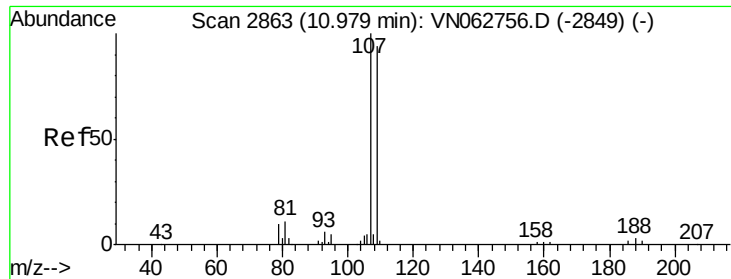
MMDadoda
8/13/2020 10:56:56 AM



#60
Dibromochloromethane
Concen: 52.517 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion: 129 Resp: 106877
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





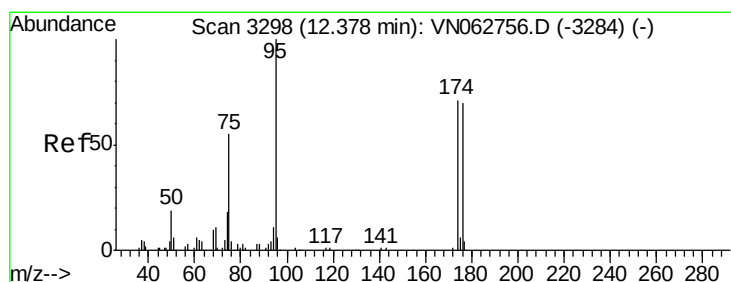
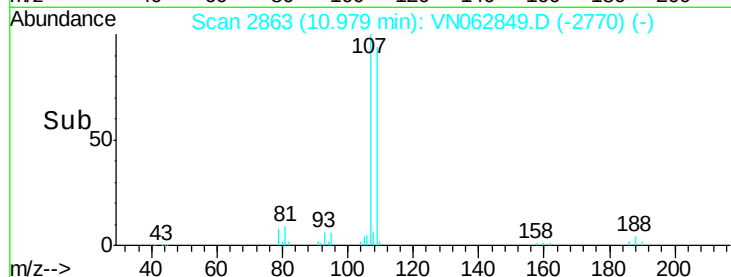
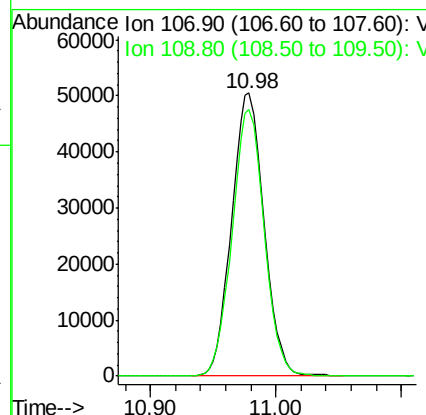
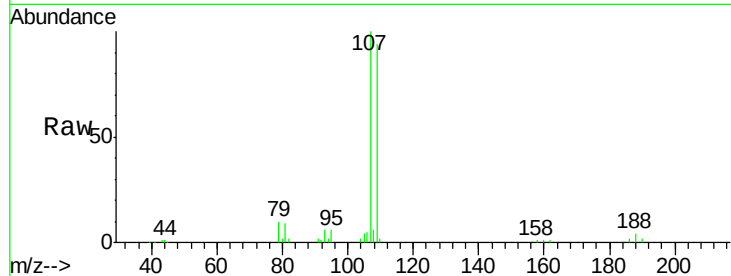
#61
 1,2-Dibromoethane
 Concen: 51.489 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.1	114.1

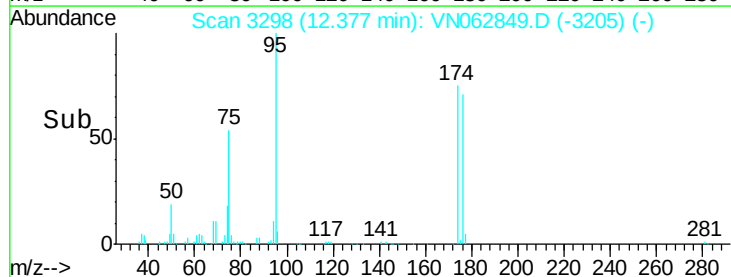
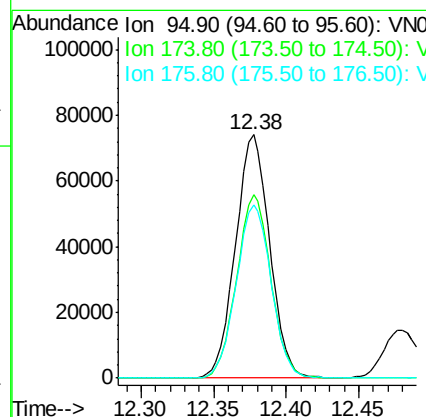
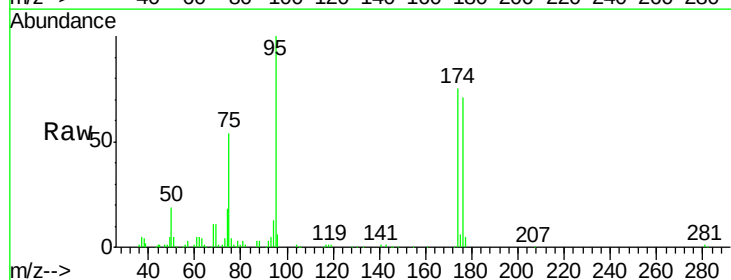
Manual Integrations
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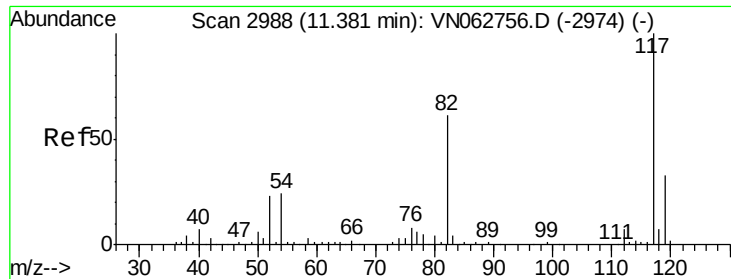
MMDadoda
 8/13/2020 10:56:56 AM



#62
 4-Bromofluorobenzene
 Concen: 51.658 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	144.8
176	72.6	0.0	142.2





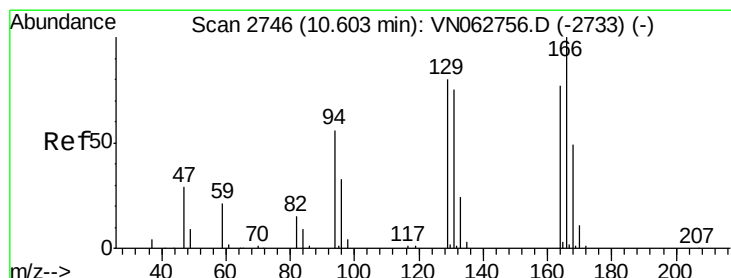
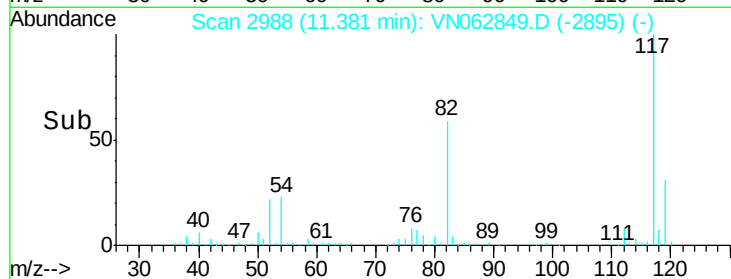
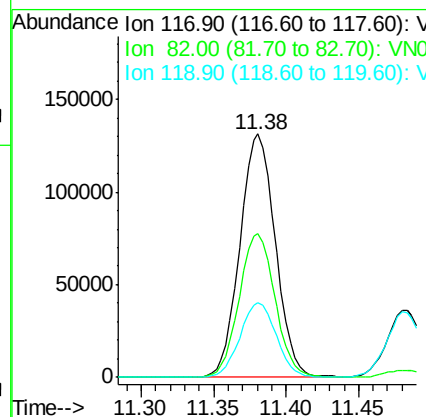
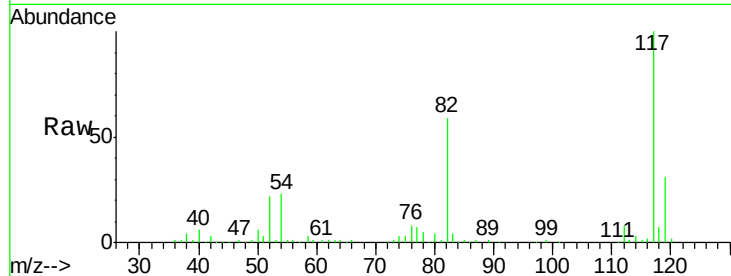
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	223914		
82	59.1	49.0	73.4	
119	30.7	26.2	39.2	

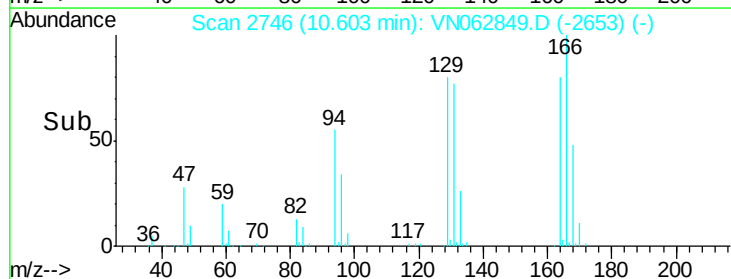
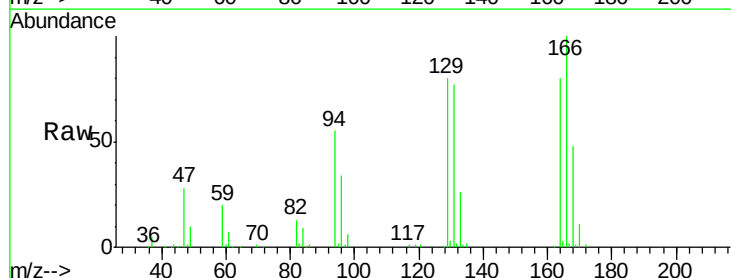
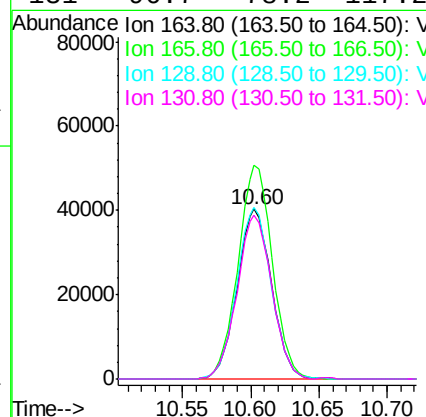
Manual Integrations
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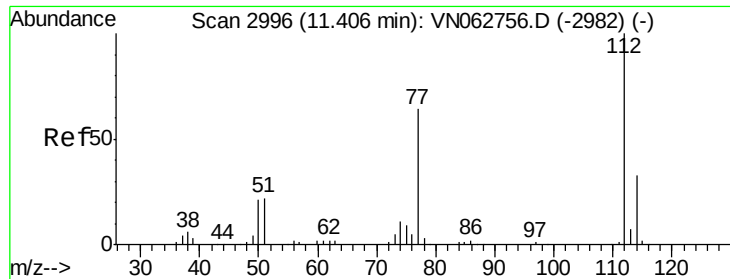
MMDadoda
8/13/2020 10:56:56 AM



#64
Tetrachloroethene
Concen: 49.000 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	70792		
166	125.7	103.8	155.8	
129	100.8	82.7	124.1	
131	96.7	78.2	117.2	





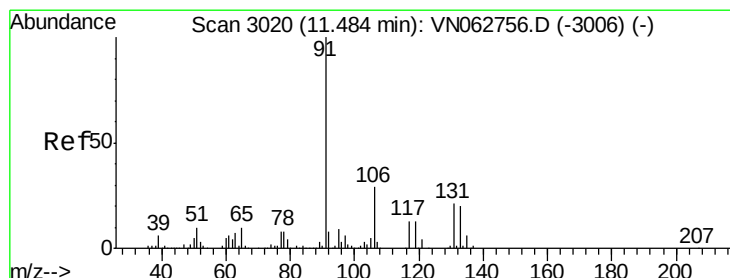
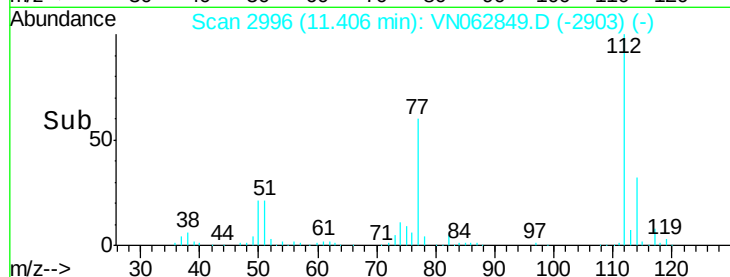
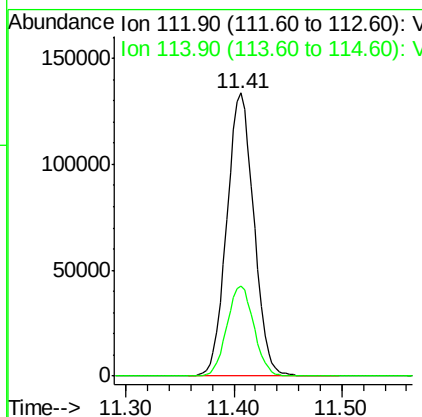
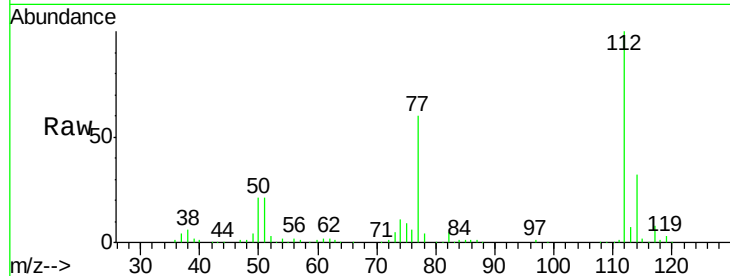
#65
Chlorobenzene
Concen: 49.746 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 232846
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4

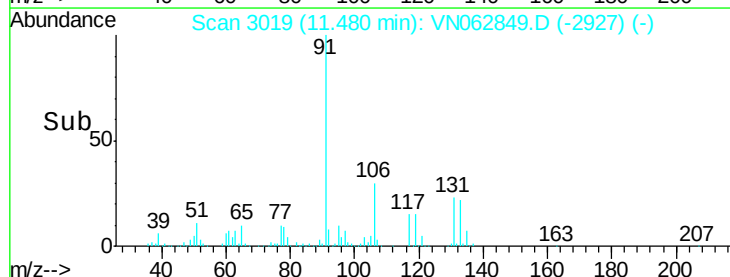
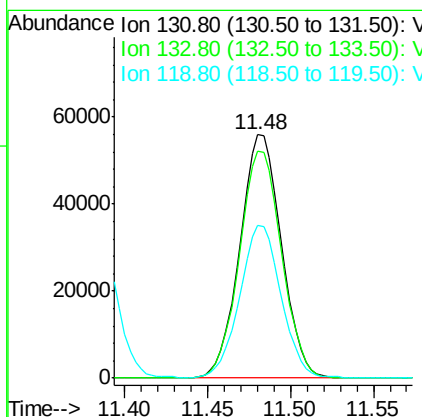
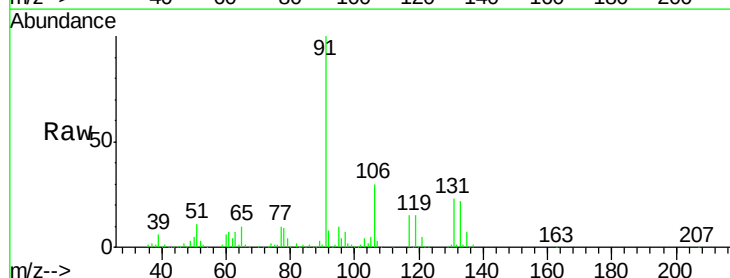
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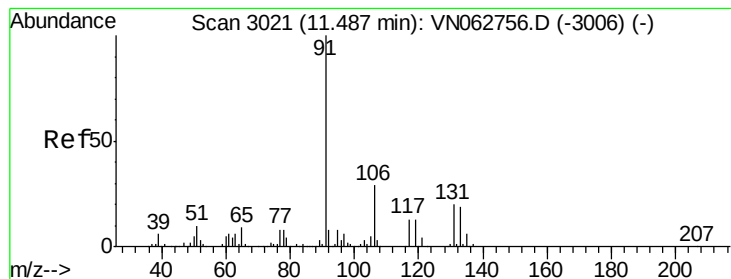
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.816 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion:131 Resp: 97395
Ion Ratio Lower Upper
131 100
133 94.9 48.6 145.8
119 62.5 32.2 96.6





#67

Ethyl Benzene

Concen: 51.196 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 428820

Ion Ratio Lower Upper

91 100

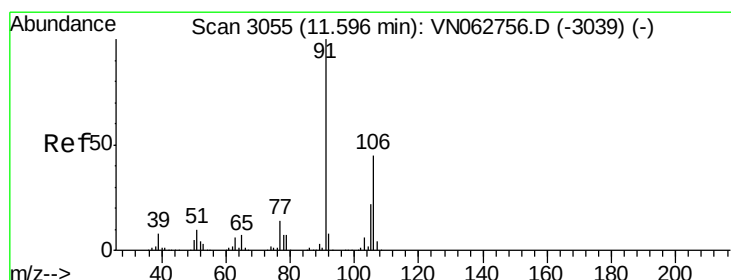
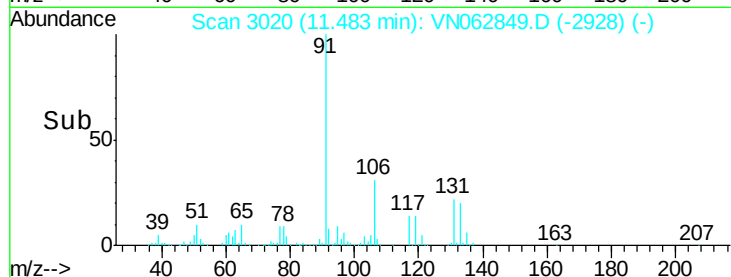
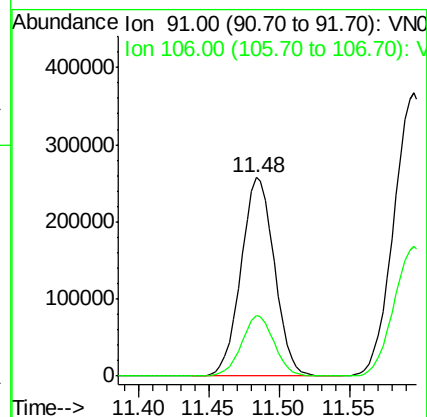
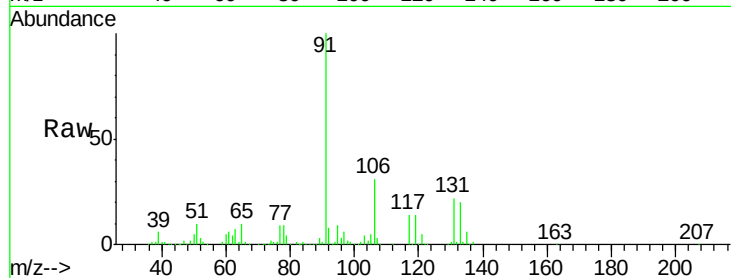
106 30.8 23.2 34.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 106.166 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062849.D

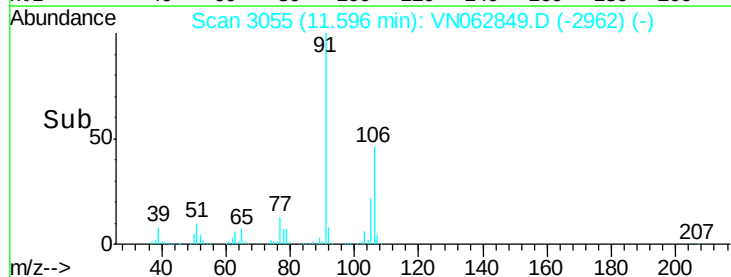
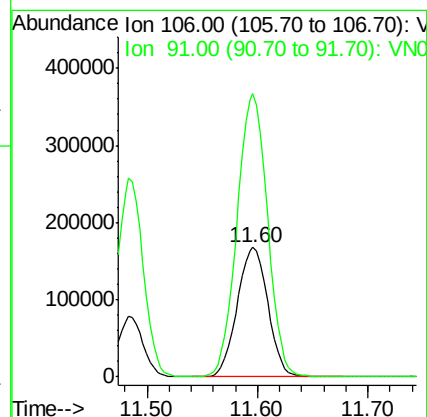
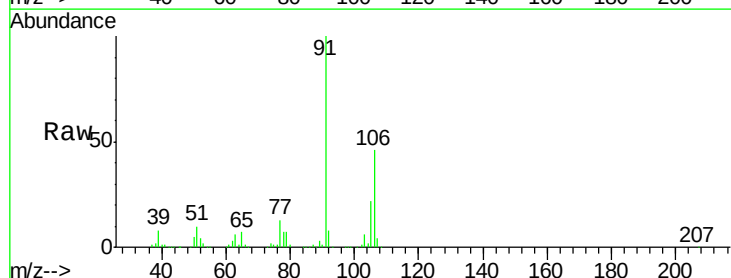
Acq: 12 Aug 2020 11:00

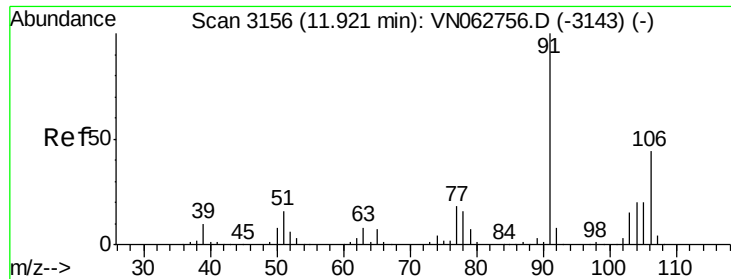
Tgt Ion: 106 Resp: 322797

Ion Ratio Lower Upper

106 100

91 216.6 175.9 263.9





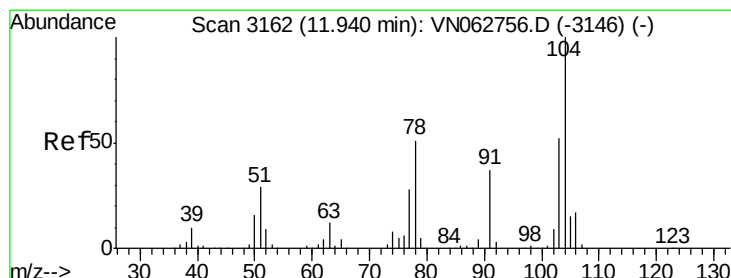
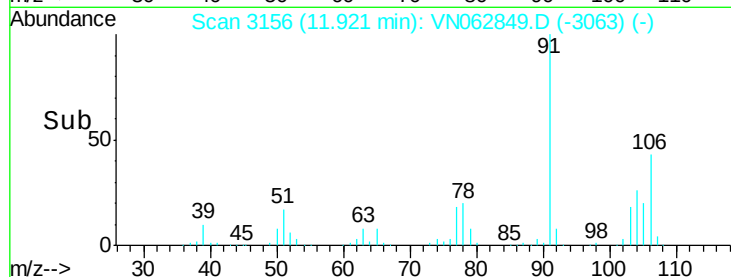
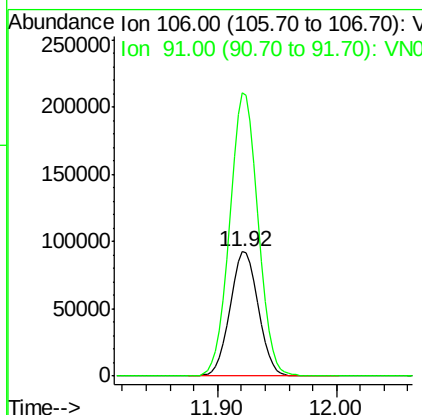
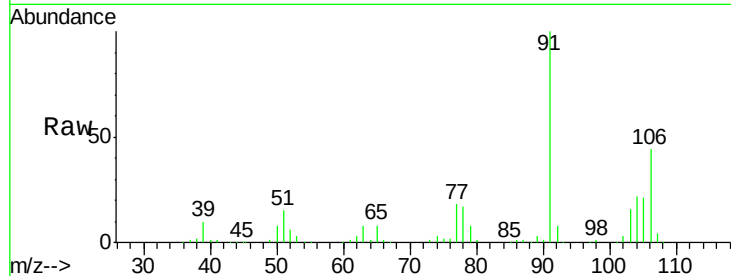
#69
o-Xylene
Concen: 53.709 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		153035		
91	227.6	115.8	347.4		

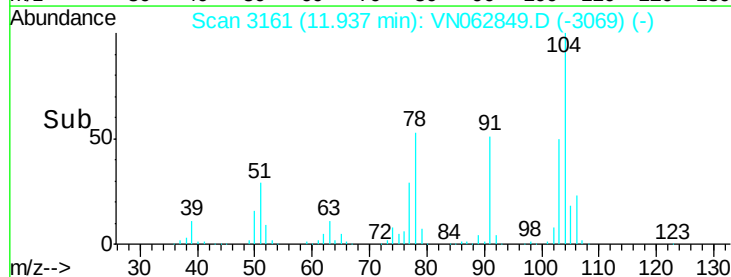
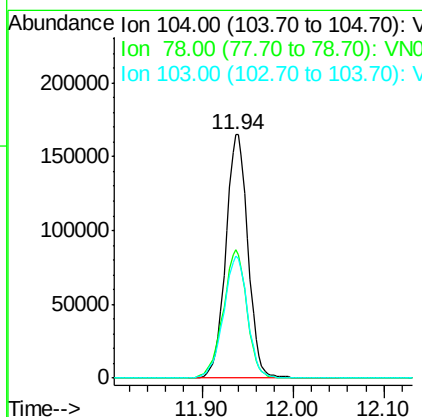
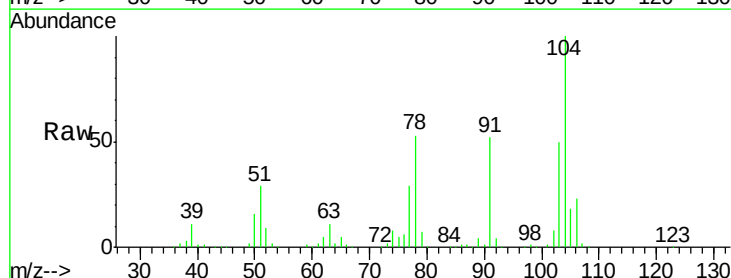
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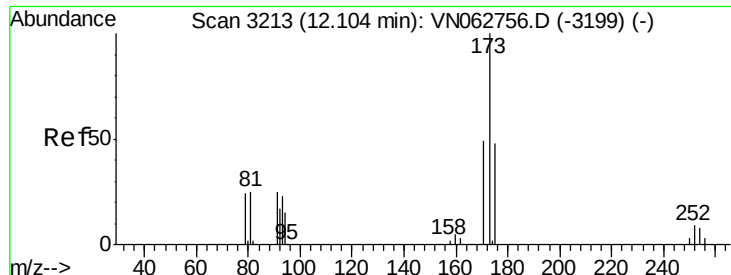
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#70
Styrene
Concen: 55.698 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		278959		
78	56.4	45.9	68.9		
103	54.1	45.1	67.7		





#71

Bromoform

Concen: 49.713 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 76453

Ion Ratio Lower Upper

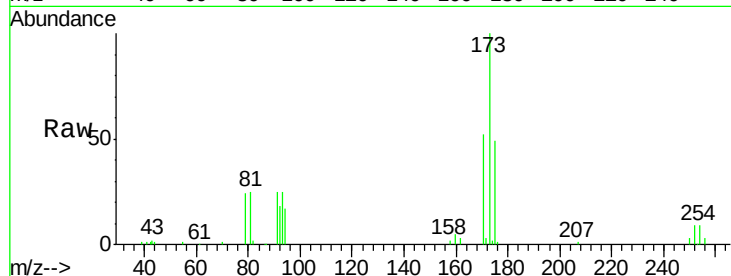
173 100

175 48.8 24.0 72.0

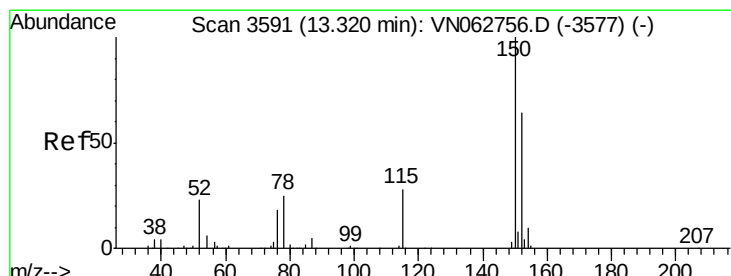
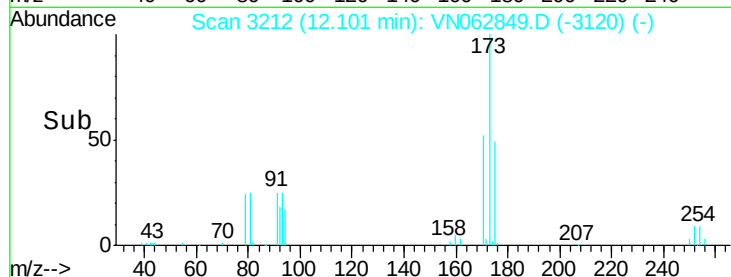
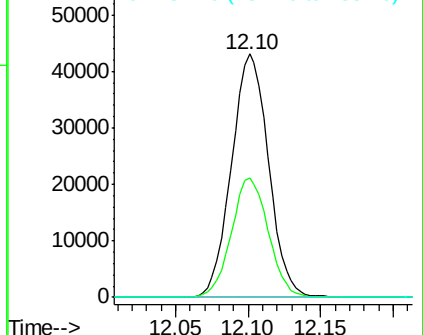
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

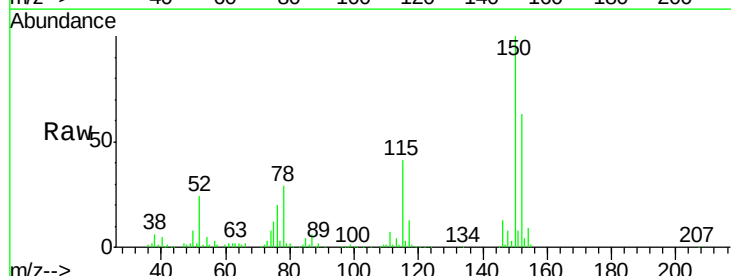
Tgt Ion:152 Resp: 115887

Ion Ratio Lower Upper

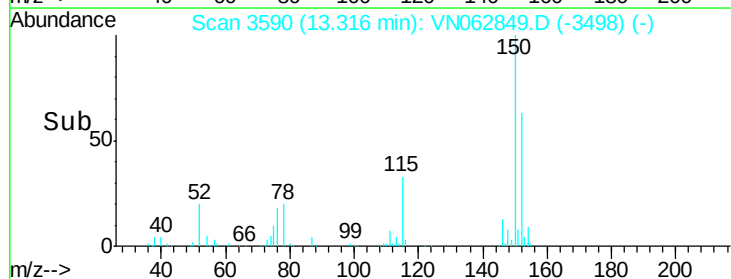
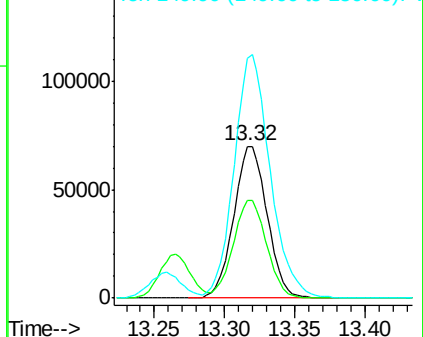
152 100

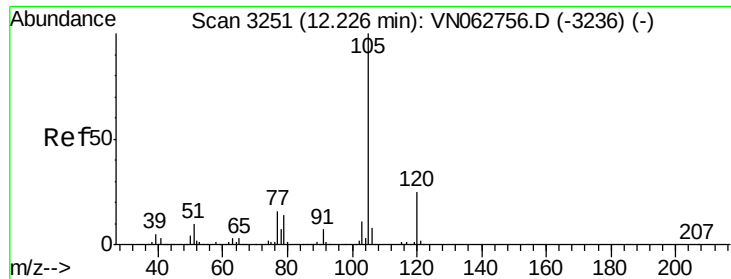
115 64.1 31.6 94.8

150 174.0 0.0 349.2



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





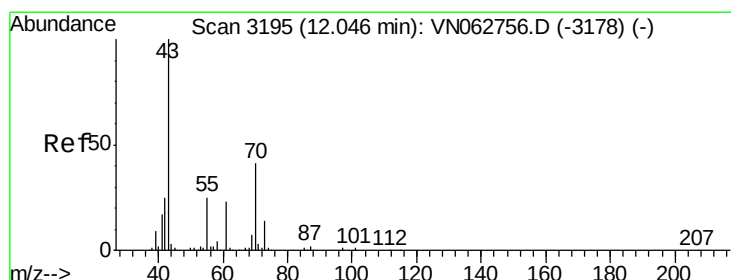
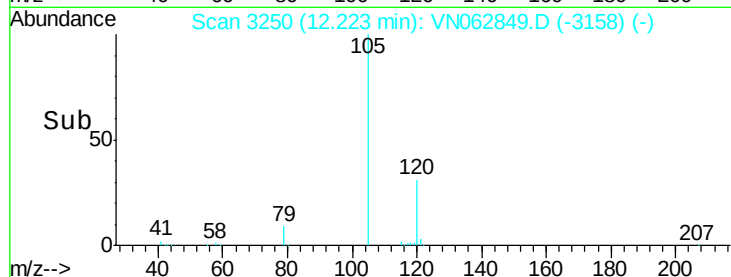
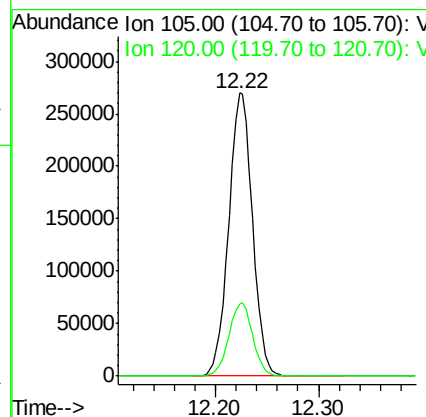
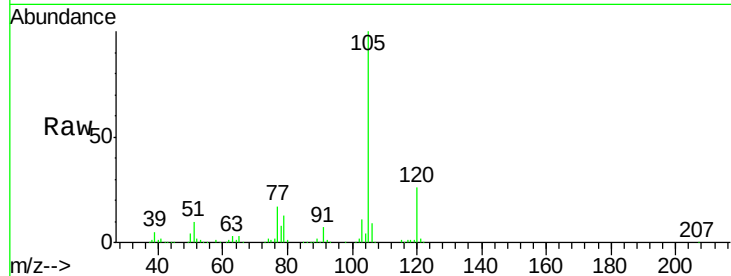
#73
Isopropylbenzene
Concen: 49.651 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.6	37.8

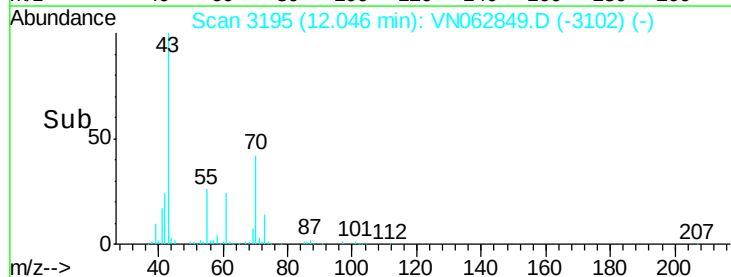
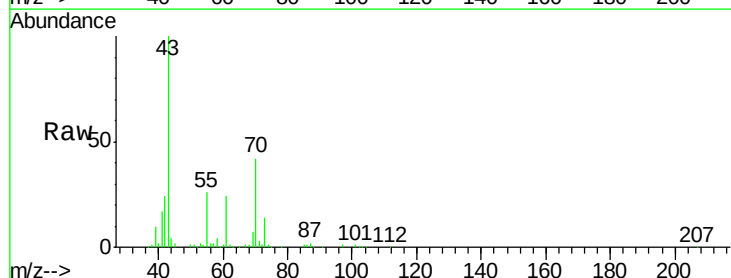
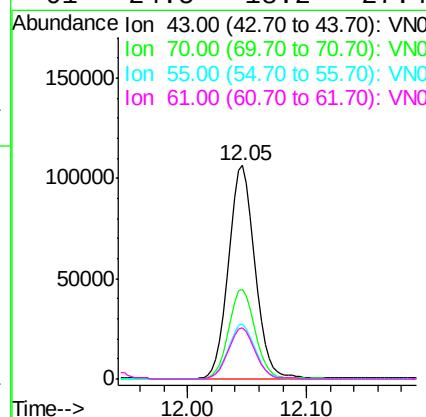
Manual Integrations
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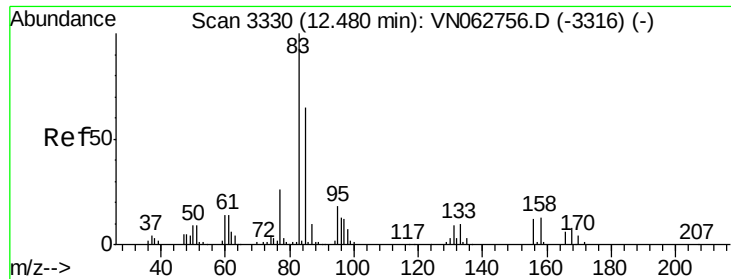
MMDadoda
8/13/2020 10:56:56 AM



#74
N-ethyl acetate
Concen: 46.518 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.3	32.3	48.5
55	26.3	20.2	30.2
61	24.5	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 44.687 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

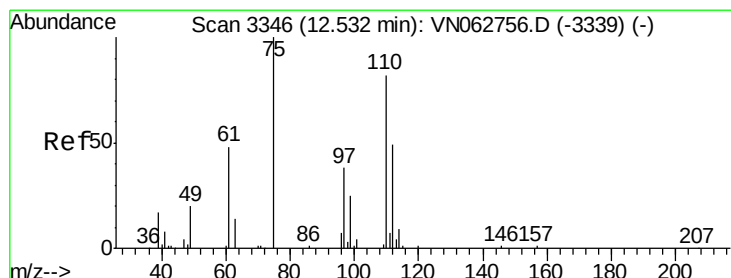
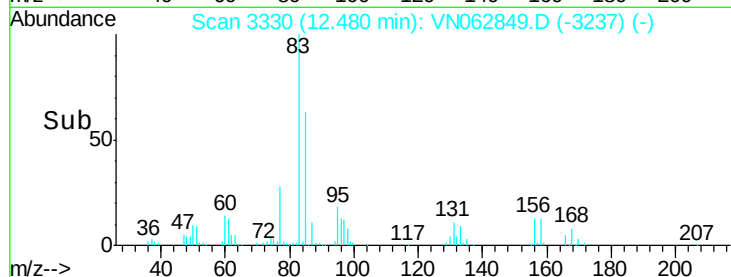
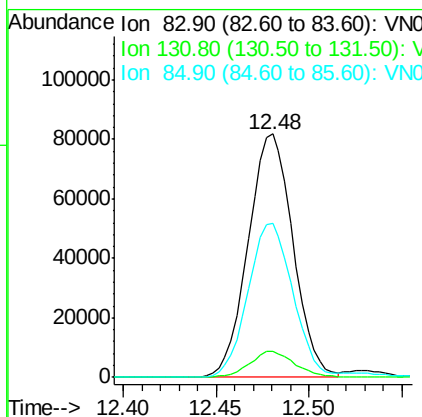
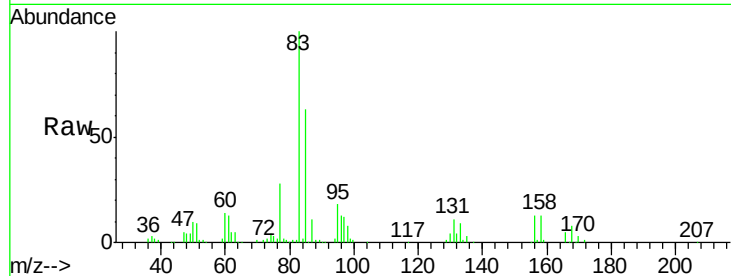
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	137274
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.4
85	65.0	31.9	95.9

Manual Integrations
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8/13/2020 10:56:56 AM



#76

1,2,3-Trichloropropane

Concen: 41.408 ug/l m

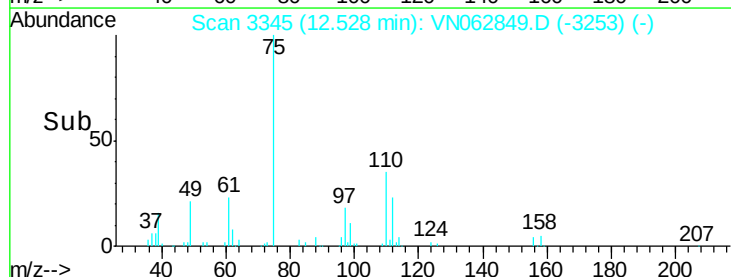
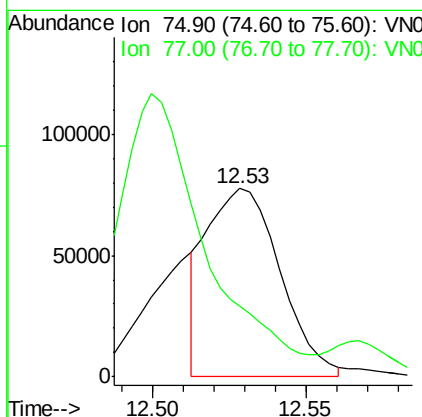
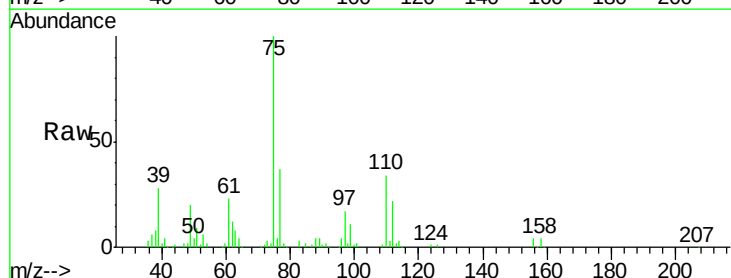
RT: 12.53 min Scan# 3345

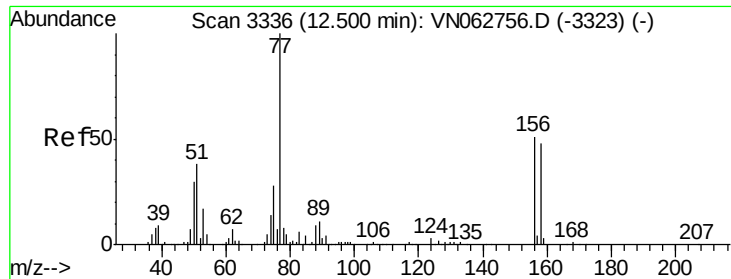
Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Tgt Ion:	75	Resp:	129415
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.747 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

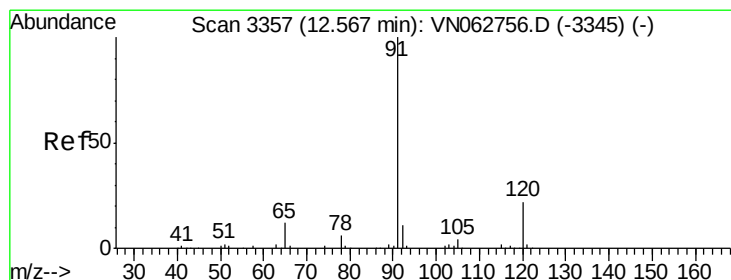
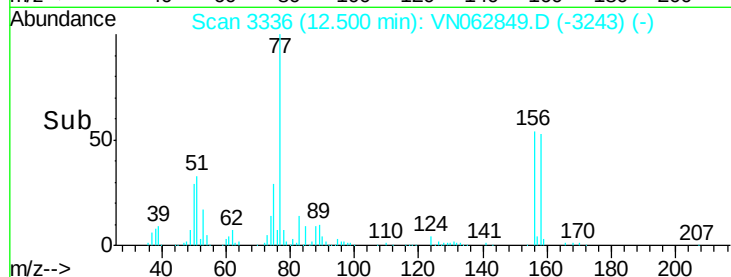
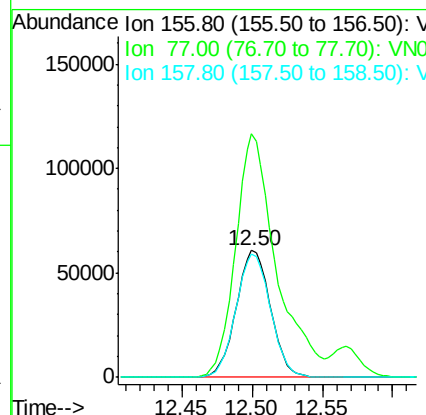
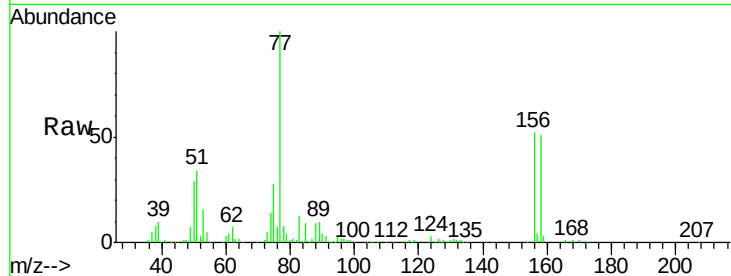
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	103525
Ion Ratio	Lower	Upper	
156	100		
77	227.2	119.7	359.1
158	97.8	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 50.366 ug/l

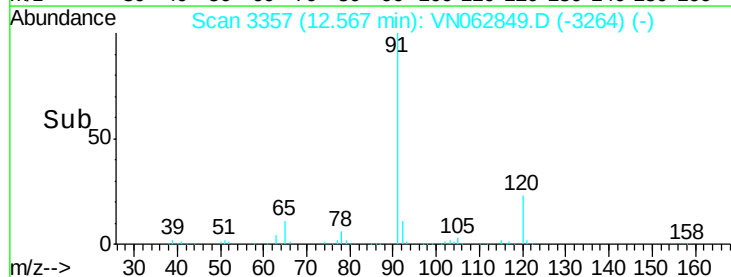
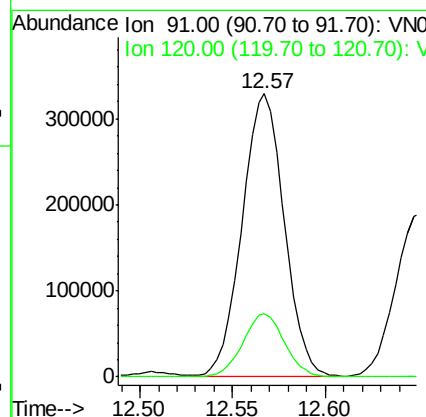
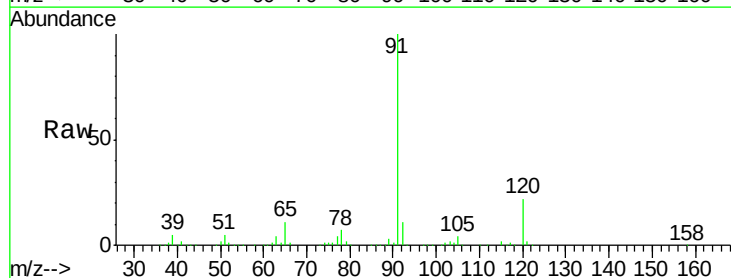
RT: 12.57 min Scan# 3357

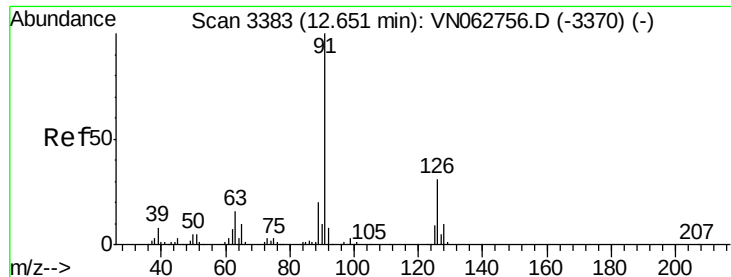
Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Tgt Ion:	91	Resp:	515915
Ion Ratio	Lower	Upper	
91	100		
120	22.3	10.9	32.9





#79

2-Chlorotoluene

Concen: 48.617 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 312290

Ion Ratio Lower Upper

91 100

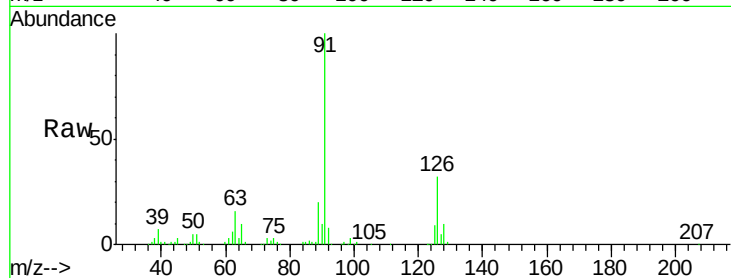
126 31.8 15.6 46.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN062756.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062756.D (-3370) (-)

300000

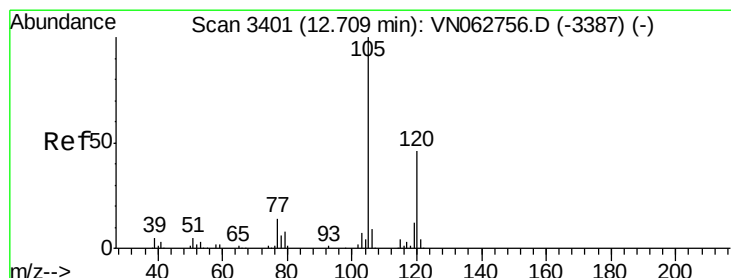
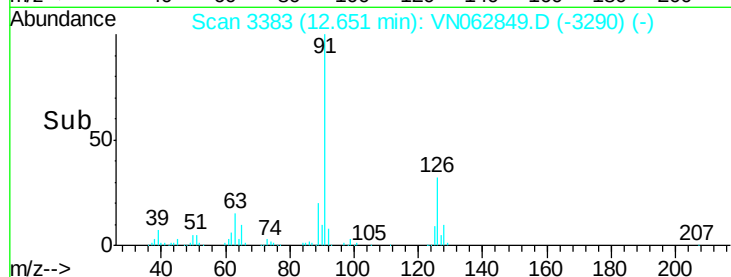
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.380 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062849.D

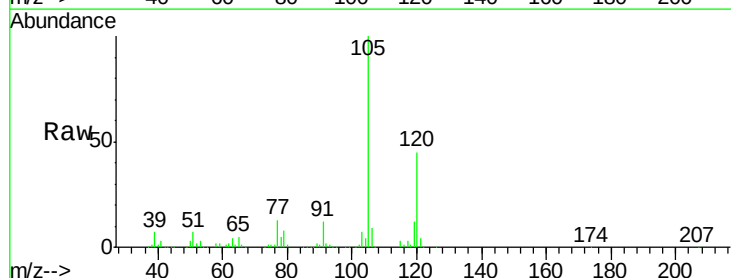
Acq: 12 Aug 2020 11:00

Tgt Ion: 105 Resp: 396536

Ion Ratio Lower Upper

105 100

120 46.1 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062756.D (-3387) (-)

Ion 120.00 (119.70 to 120.70): VN062756.D (-3387) (-)

300000

250000

200000

150000

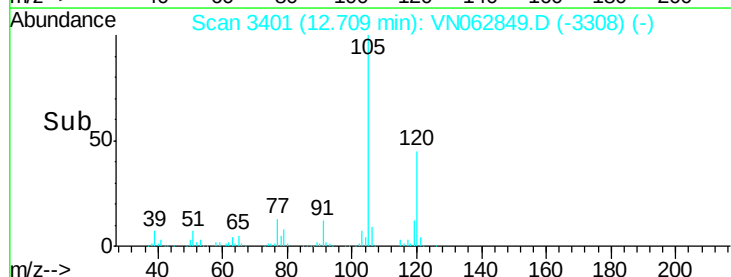
100000

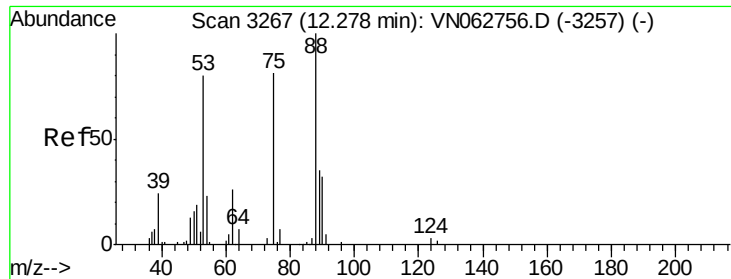
50000

0

12.60 12.70 12.80

Time-->





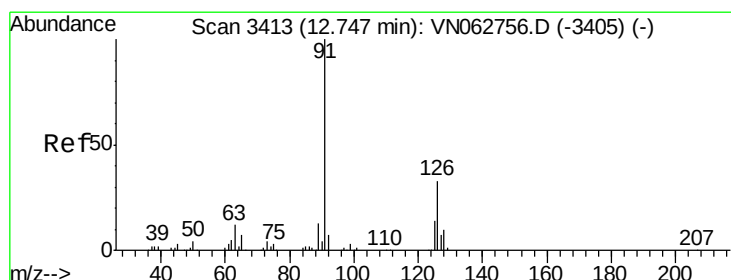
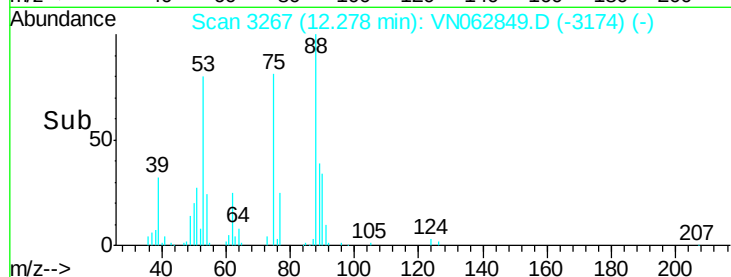
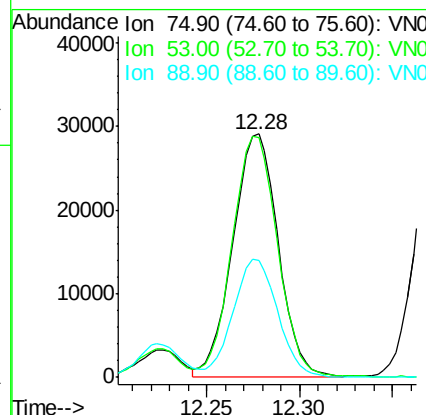
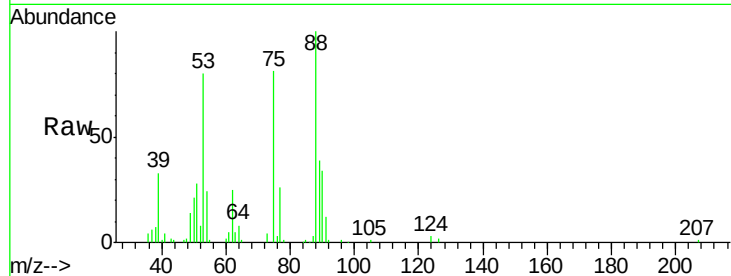
#81
trans-1,4-Dichloro-2-butene
Concen: 48.431 ug/l
RT: 12.28 min Scan# 3267
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.7	79.1	118.7
89	47.7	36.2	54.2

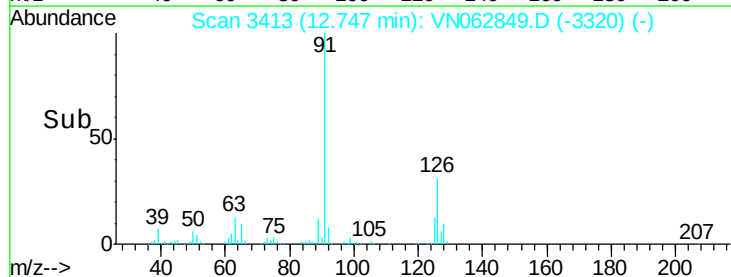
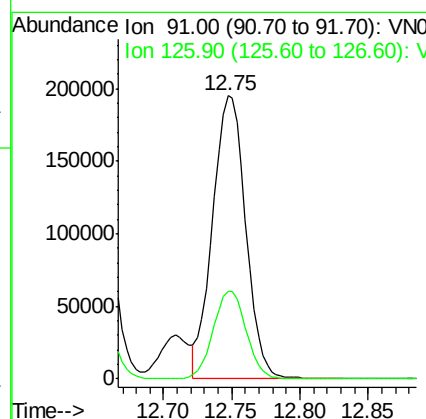
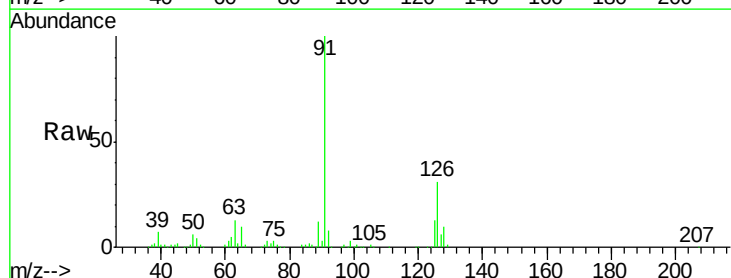
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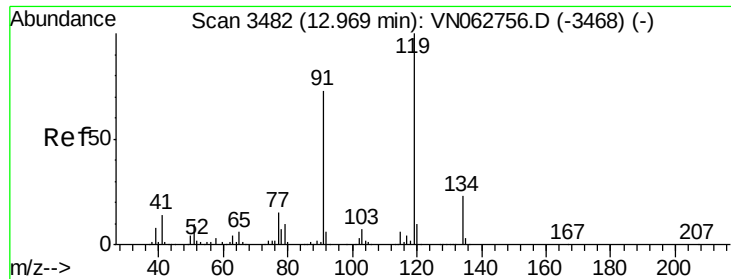
MMDadoda
8/13/2020 10:56:56 AM



#82
4-Chlorotoluene
Concen: 49.561 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.9





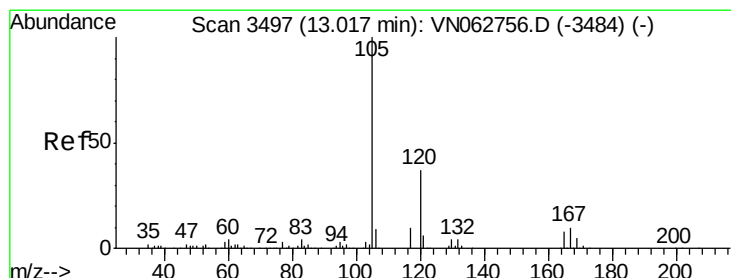
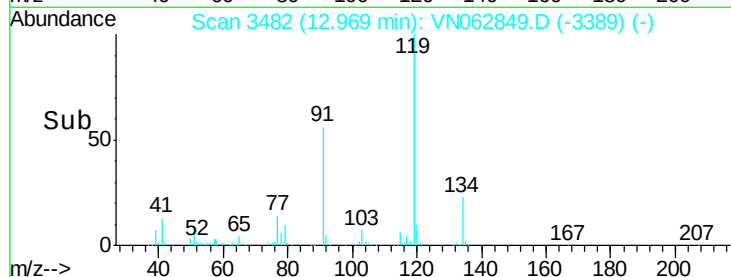
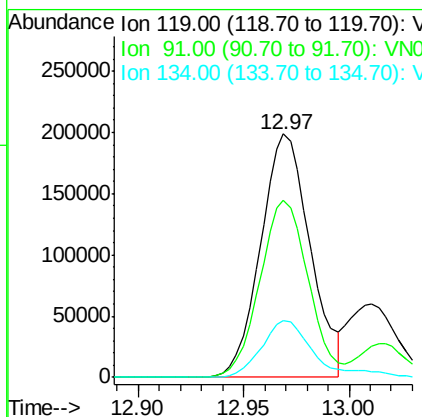
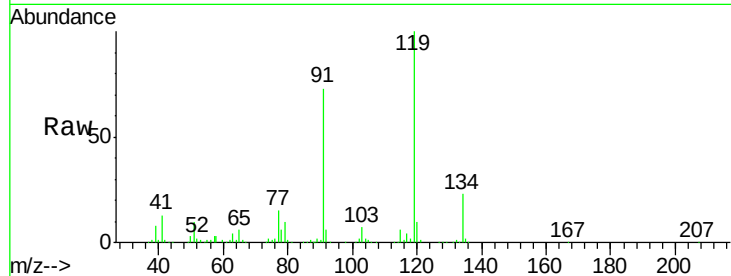
#83
 tert-Butylbenzene
 Concen: 50.723 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.4	36.5	109.5
134	24.9	11.3	33.8

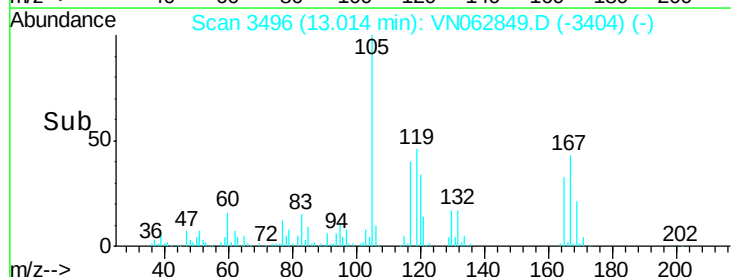
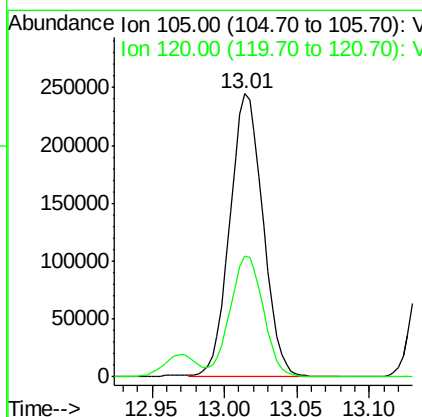
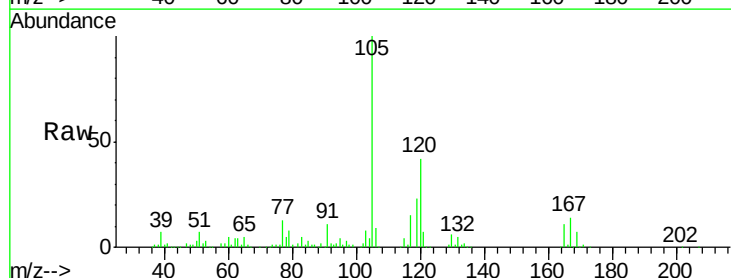
Manual Integrations
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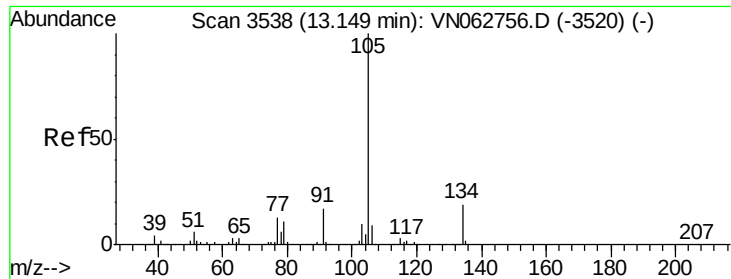
MMDadoda
 8/13/2020 10:56:56 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.444 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.4	64.2





#85

sec-Butylbenzene

Concen: 51.703 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 434933

Ion Ratio Lower Upper

105 100

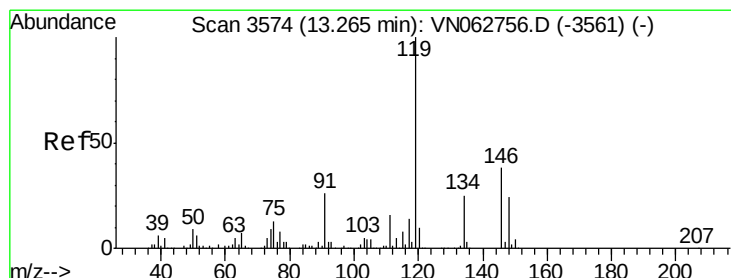
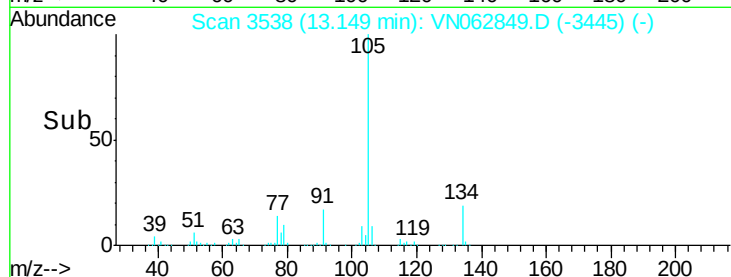
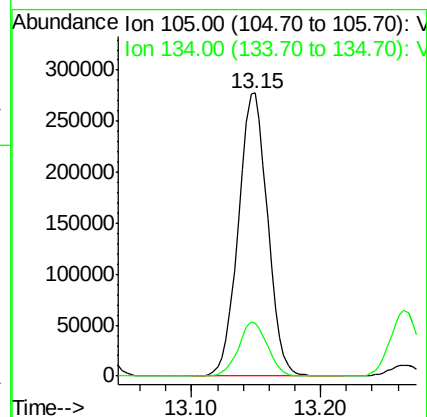
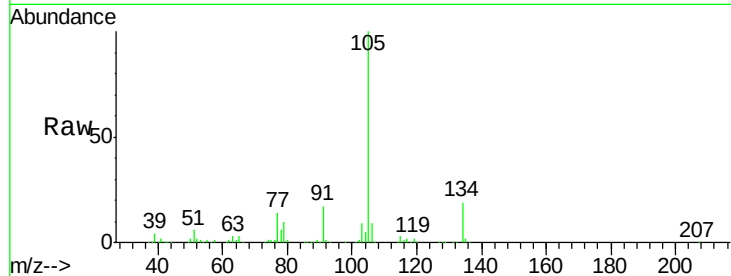
134 19.1 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.816 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

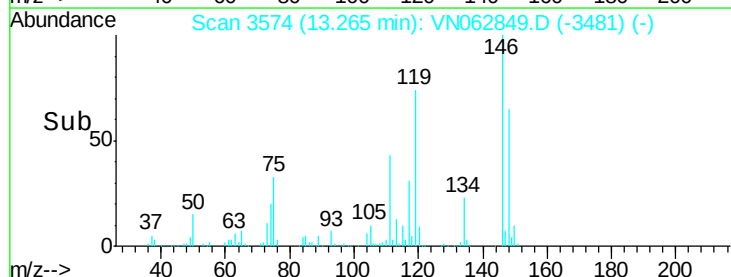
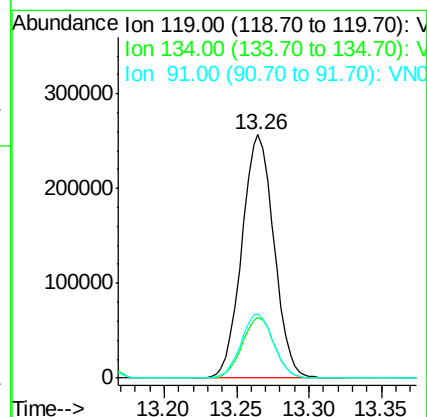
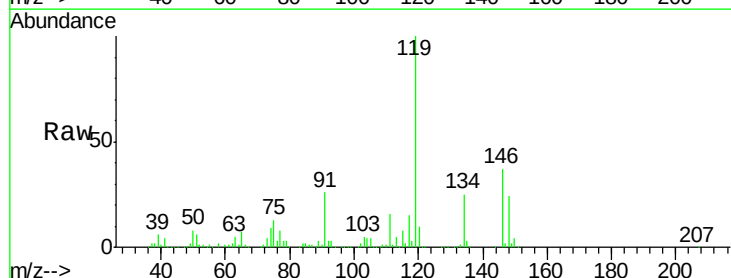
Tgt Ion:119 Resp: 394379

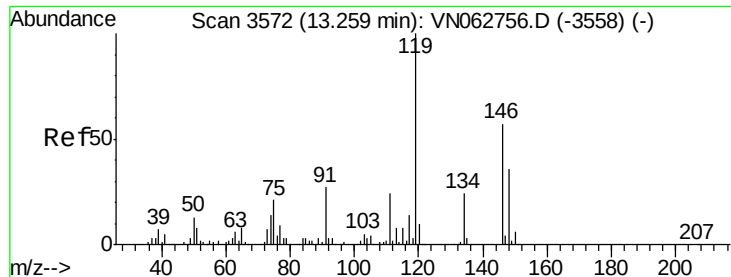
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

91 26.6 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 50.117 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

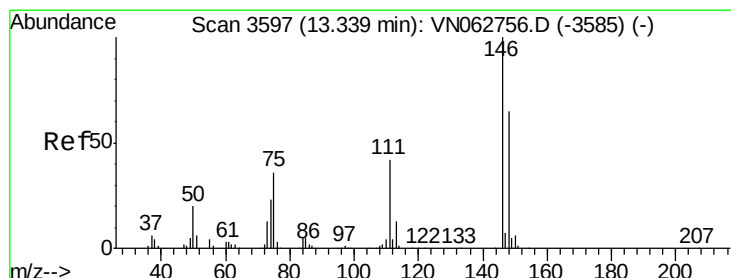
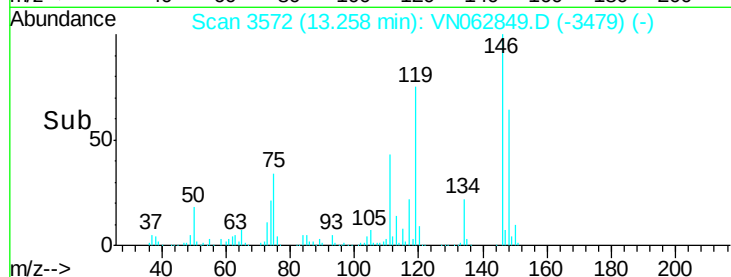
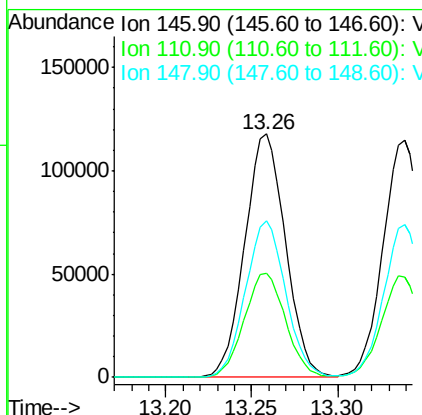
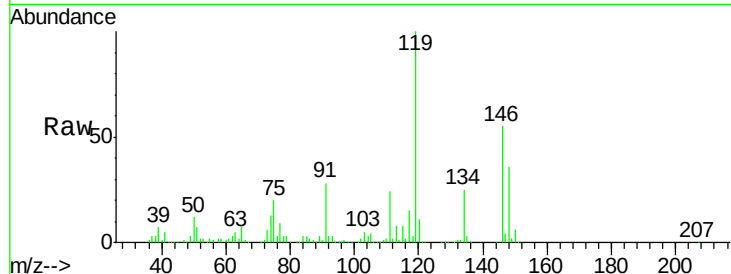
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	194124
Ion Ratio	Lower	Upper	
146	100		
111	43.4	21.7	65.1
148	63.5	31.4	94.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.404 ug/l

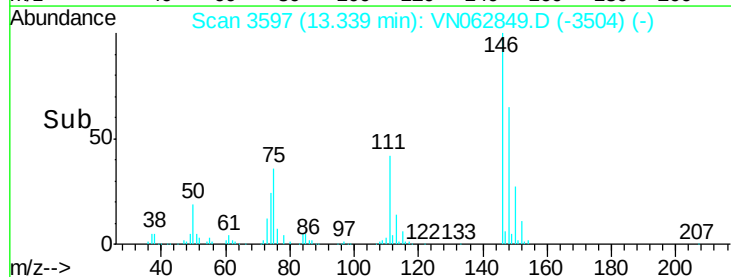
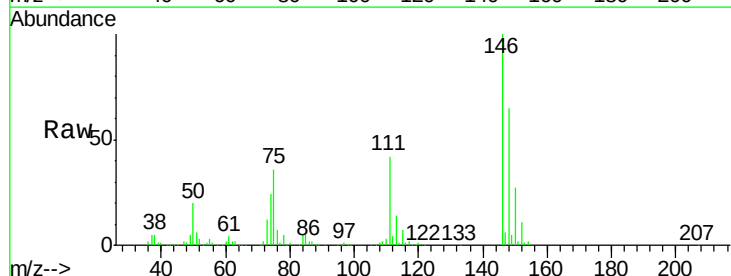
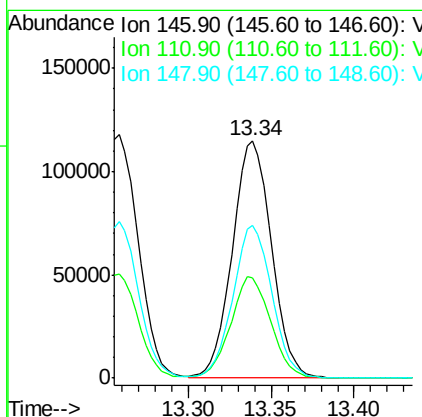
RT: 13.34 min Scan# 3597

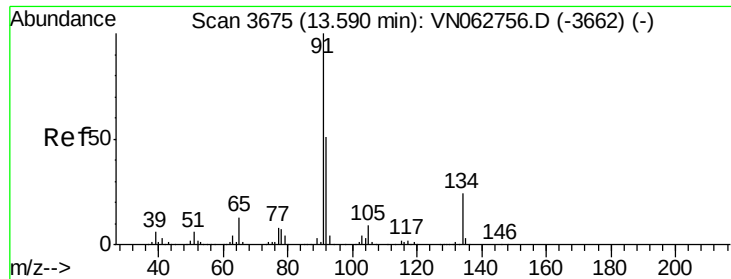
Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Tgt Ion:	146	Resp:	188049
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.6	64.6
148	64.1	32.6	97.8





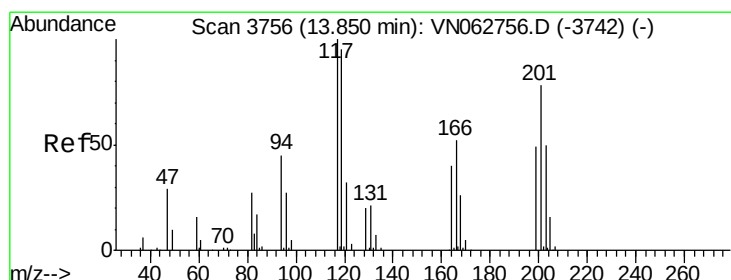
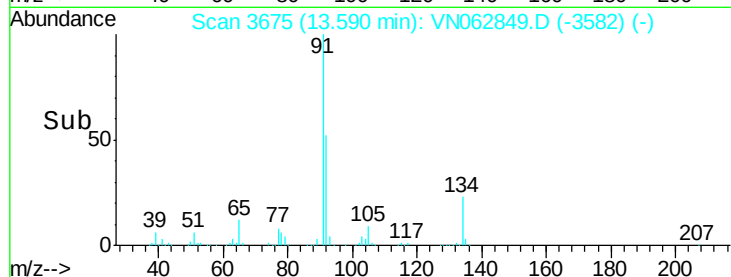
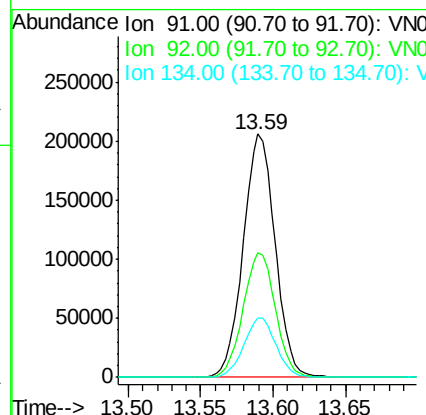
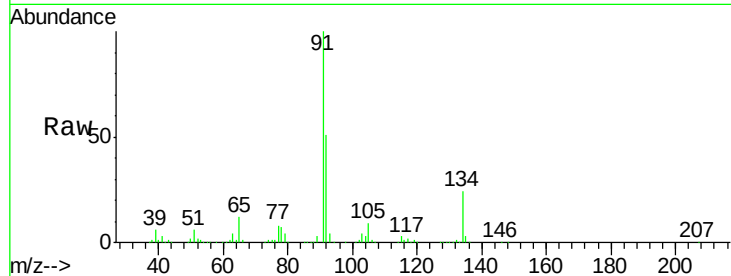
#89
n-Butylbenzene
Concen: 49.997 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.7	77.0
134	24.5	12.2	36.6

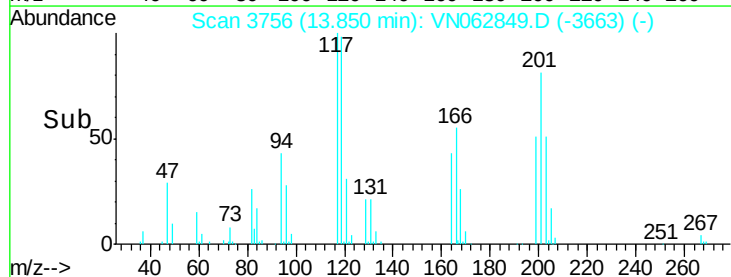
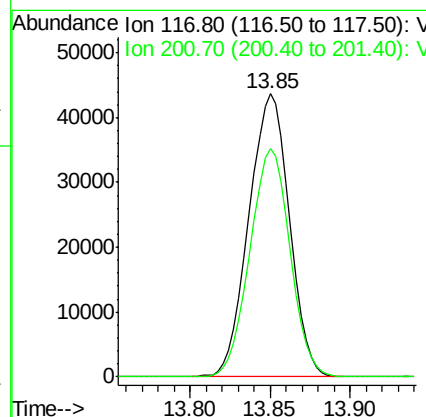
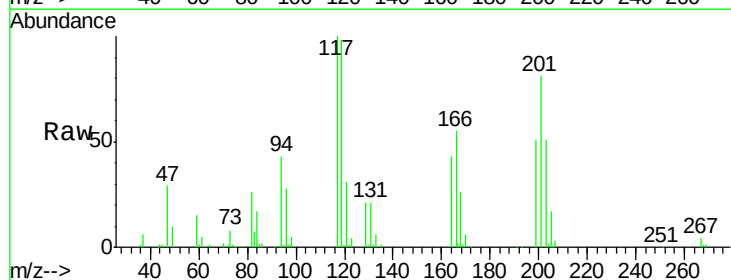
Manual Integrations
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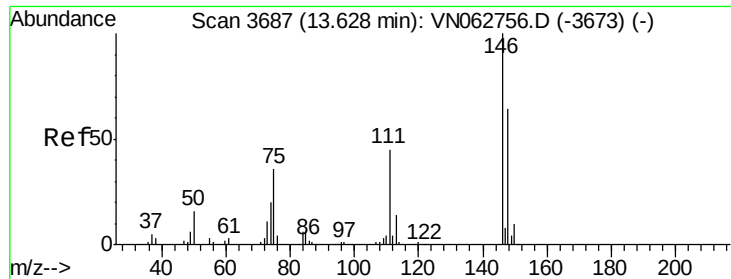
MMDadoda
8/13/2020 10:56:56 AM



#90
Hexachloroethane
Concen: 46.937 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062849.D
Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	39.2	117.6





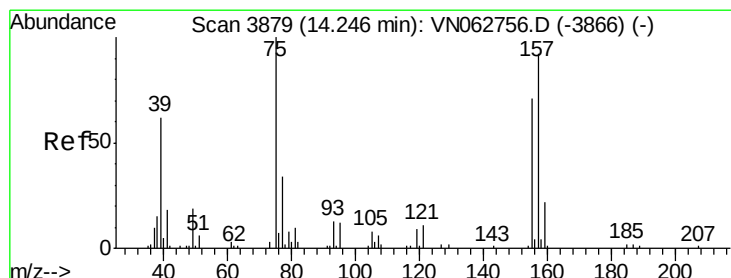
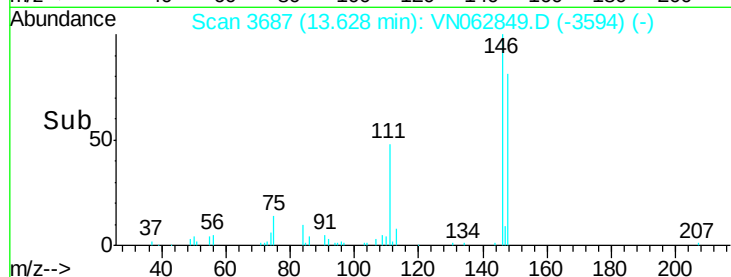
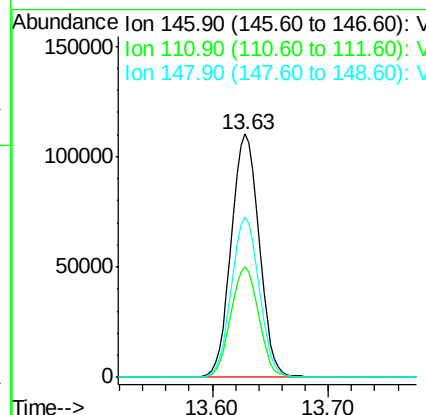
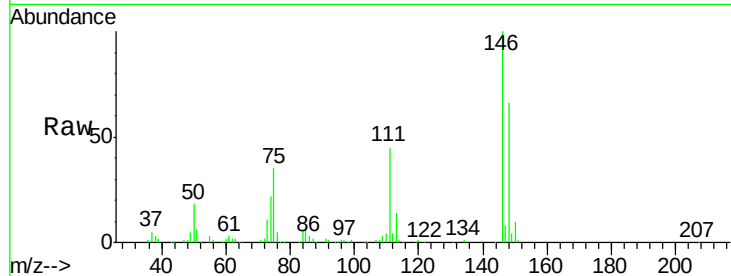
#91
 1,2-Dichlorobenzene
 Concen: 50.549 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	183565		
111	45.1	22.8	68.4	
148	65.5	31.9	95.5	

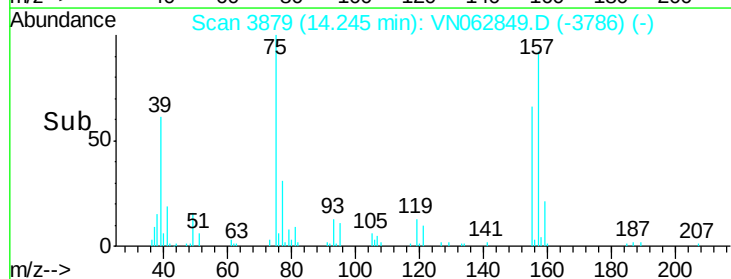
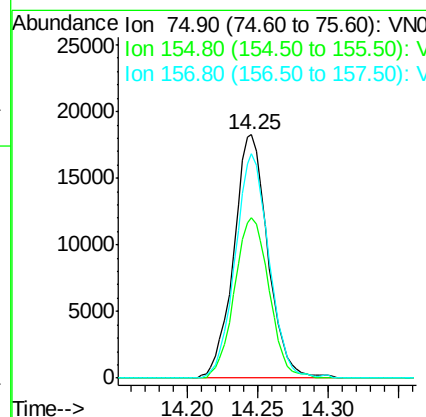
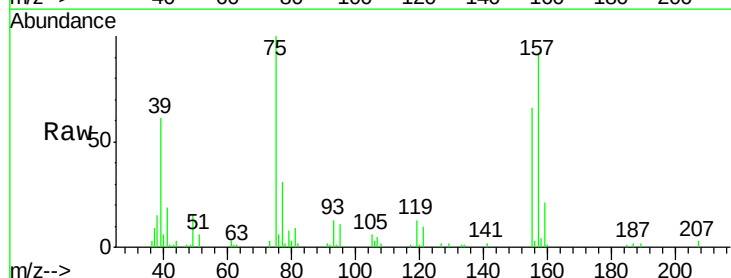
Manual Integrations
 APPROVED

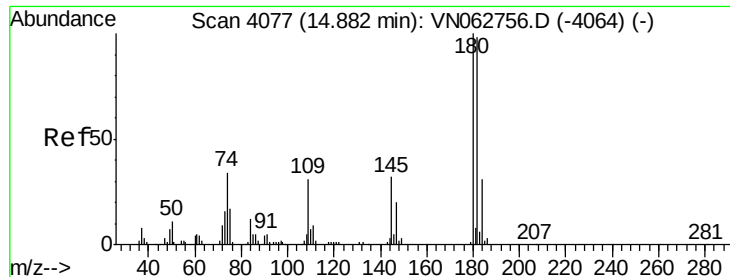
MMDadoda
 8/13/2020 10:56:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.908 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30935		
155	66.6	35.0	105.1	
157	91.3	43.2	129.6	





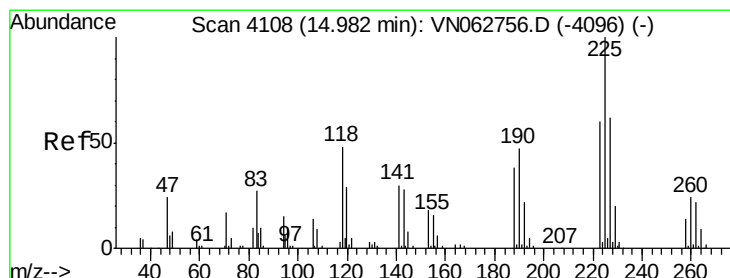
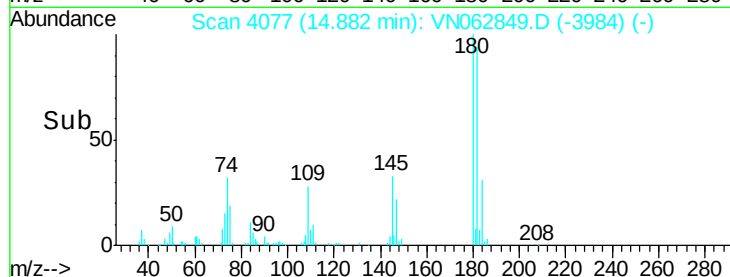
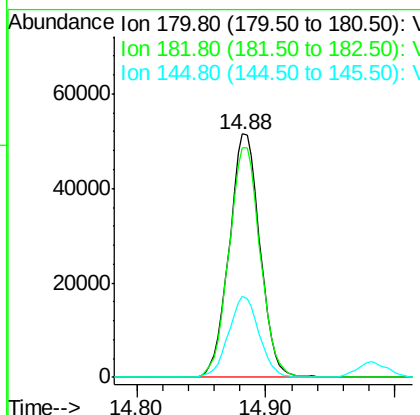
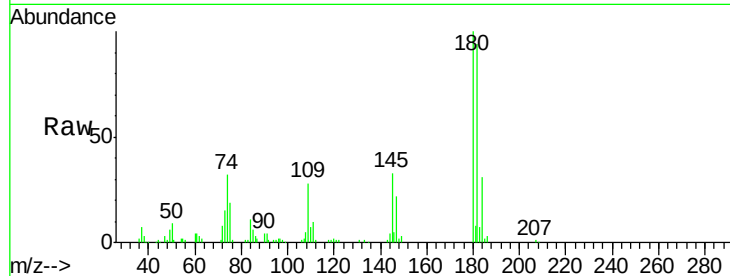
#93
 1,2,4-Trichlorobenzene
 Concen: 44.114 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	85217		
182	96.3	49.1	147.4	
145	33.1	16.3	48.8	

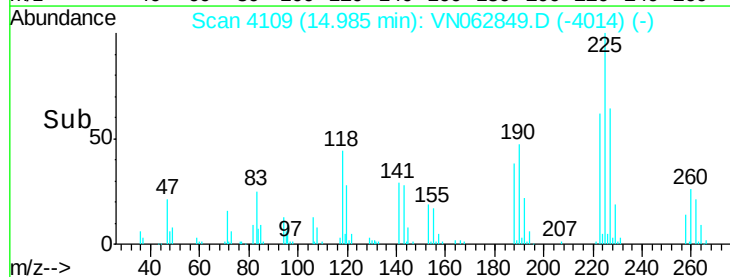
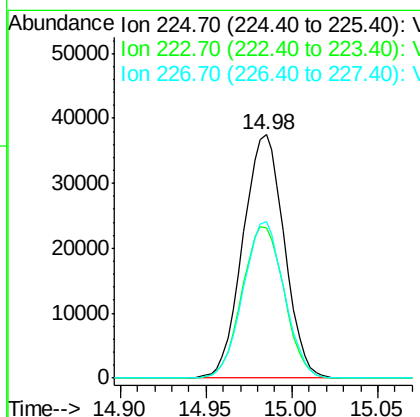
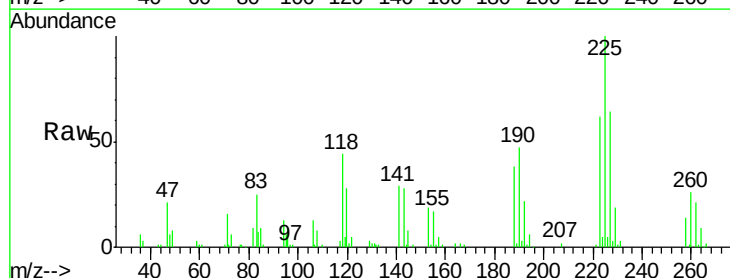
Manual Integrations
 APPROVED

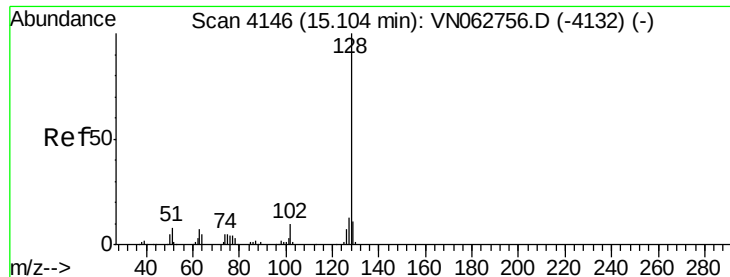
MMDadoda
 8/13/2020 10:56:56 AM



#94
 Hexachlorobutadiene
 Concen: 54.877 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062849.D
 Acq: 12 Aug 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62551		
223	63.2	30.6	92.0	
227	63.7	31.6	95.0	





#95

Naphthalene

Concen: 41.158 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Instrument :

MSVOA_N

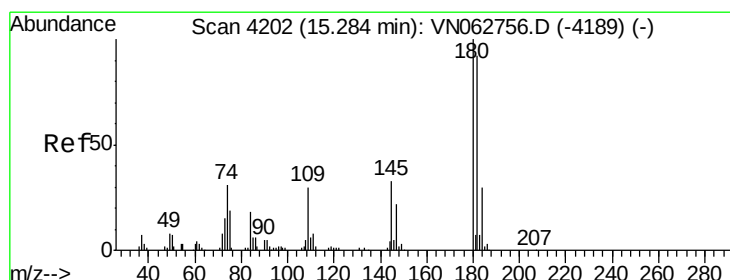
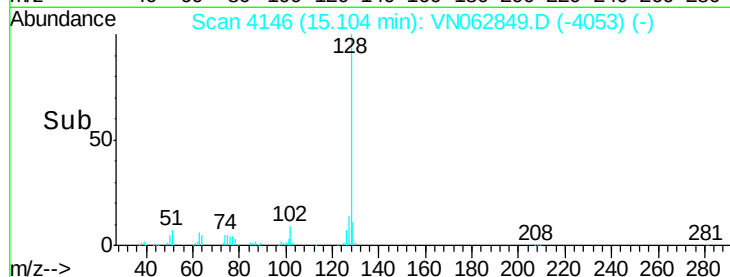
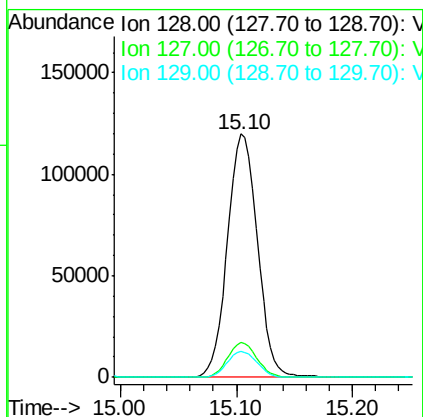
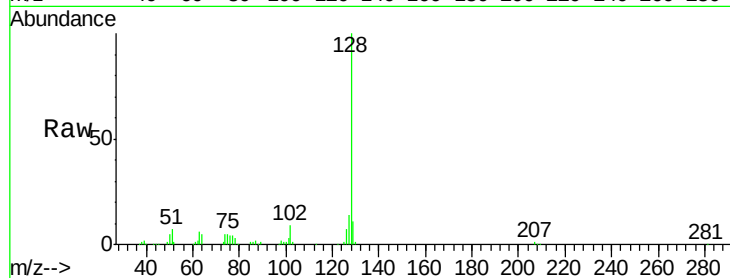
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	215493
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.8	16.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/13/2020 10:56:56 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.638 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062849.D

Acq: 12 Aug 2020 11:00

Tgt Ion:	180	Resp:	89273
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.9	143.6
145	34.8	17.3	51.7

