

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080620\
 Data File : VN062761.D
 Acq On : 6 Aug 2020 12:37
 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
 8/7/2020 12:50:40 PM

Quant Time: Aug 07 03:16:51 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	7.63	168	172589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	269419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	254870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	125183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	128191	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	
35) Dibromofluoromethane	7.55	113	90622	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
50) Toluene-d8	10.06	98	344927	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
62) 4-Bromofluorobenzene	12.38	95	133781	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	134216	54.308	ug/l	98
3) Chloromethane	2.03	50	138809	59.519	ug/l	100
4) Vinyl Chloride	2.16	62	128434	58.715	ug/l	97
5) Bromomethane	2.51	94	66882	46.189	ug/l	100
6) Chloroethane	2.65	64	75739	52.631	ug/l	94
7) Trichlorofluoromethane	2.97	101	192008	49.226	ug/l	99
8) Diethyl Ether	3.37	74	54711	48.997	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	83619	53.212	ug/l	96
10) Methyl Iodide	3.91	142	98425	52.062	ug/l	96
11) Tert butyl alcohol	4.74	59	107971	230.817	ug/l	99
12) 1,1-Dichloroethene	3.69	96	76651	52.202	ug/l	95
13) Acrolein	3.56	56	58697	207.246	ug/l	98
14) Allyl chloride	4.27	41	147814	48.918	ug/l	97
15) Acrylonitrile	4.93	53	275788	254.192	ug/l	99
16) Acetone	3.78	43	237959	230.740	ug/l	98
17) Carbon Disulfide	4.00	76	209057	50.099	ug/l	98
18) Methyl Acetate	4.28	43	127402	52.283	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	332004	49.651	ug/l	99
20) Methylene Chloride	4.50	84	96216	50.996	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	81719	47.315	ug/l	94
22) Diisopropyl ether	5.90	45	335779	52.200	ug/l	96
23) Vinyl Acetate	5.84	43	1190749	243.374	ug/l	100
24) 1,1-Dichloroethane	5.80	63	177157	46.996	ug/l	100
25) 2-Butanone	6.79	43	364272	249.396	ug/l	98
26) 2,2-Dichloropropane	6.77	77	139105	40.033	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	101245	48.867	ug/l	94
28) Bromochloromethane	7.15	49	88831	48.827	ug/l	99
29) Tetrahydrofuran	7.17	42	241230	254.216	ug/l	98
30) Chloroform	7.33	83	189466	47.294	ug/l	99
31) Cyclohexane	7.61	56	174027	50.292	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	167373	46.729	ug/l	99
36) 1,1-Dichloropropene	7.75	75	128124	48.840	ug/l	97
37) Ethyl Acetate	6.88	43	135099	49.300	ug/l	98
38) Carbon Tetrachloride	7.73	117	143318	46.192	ug/l	94

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	167754	53.136	ug/l	99
40) Benzene	8.00	78	384108	49.067	ug/l	99
41) Methacrylonitrile	7.13	41	55156m	44.604	ug/l	
42) 1,2-Dichloroethane	8.09	62	156996	47.120	ug/l	100
43) Isopropyl Acetate	8.13	43	227684	49.812	ug/l #	91
44) Trichloroethene	8.80	130	93459	49.003	ug/l	99
45) 1,2-Dichloropropane	9.08	63	108245	51.090	ug/l	98
46) Dibromomethane	9.18	93	68543	49.375	ug/l	99
47) Bromodichloromethane	9.37	83	154996	49.713	ug/l	99
48) Methyl methacrylate	9.17	41	114867	51.092	ug/l	99
49) 1,4-Dioxane	9.17	88	42076	1010.025	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	765036	258.686	ug/l	100
52) Toluene	10.12	92	241016	49.866	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	166912	48.669	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	173050	50.257	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	100838	48.849	ug/l	97
56) Ethyl methacrylate	10.40	69	161819	52.080	ug/l	97
57) 1,3-Dichloropropane	10.68	76	171266	48.829	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	223359	254.316	ug/l	99
59) 2-Hexanone	10.72	43	570941	258.808	ug/l	100
60) Dibromochloromethane	10.87	129	115425	48.998	ug/l	99
61) 1,2-Dibromoethane	10.98	107	101087	49.627	ug/l	98
64) Tetrachloroethene	10.60	164	80107	48.713	ug/l	98
65) Chlorobenzene	11.41	112	258442	48.509	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	104949	49.053	ug/l	98
67) Ethyl Benzene	11.48	91	487248	51.107	ug/l	98
68) m/p-Xylenes	11.60	106	356390	102.978	ug/l	99
69) o-Xylene	11.92	106	173190	53.400	ug/l	98
70) Styrene	11.94	104	305480	53.585	ug/l	98
71) Bromoform	12.10	173	82823	47.313	ug/l #	97
73) Isopropylbenzene	12.23	105	484318	51.380	ug/l	100
74) N-amyl acetate	12.05	43	208306	54.531	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	158283	47.700	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	156811m	46.448	ug/l	
77) Bromobenzene	12.50	156	113436	48.433	ug/l	97
78) n-propylbenzene	12.57	91	574659	51.935	ug/l	100
79) 2-Chlorotoluene	12.65	91	345620	49.810	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	429668	52.541	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	53667	48.527	ug/l	98
82) 4-Chlorotoluene	12.75	91	366087	51.197	ug/l	100
83) tert-Butylbenzene	12.97	119	357977	51.733	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	422526	54.008	ug/l	99
85) sec-Butylbenzene	13.15	105	481979	53.041	ug/l	100
86) p-Isopropyltoluene	13.26	119	439391	54.475	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	207497	49.592	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	207573	49.462	ug/l	99
89) n-Butylbenzene	13.59	91	372313	54.577	ug/l	99
90) Hexachloroethane	13.85	117	81264	46.740	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	199301	50.807	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	35273	49.514	ug/l	98

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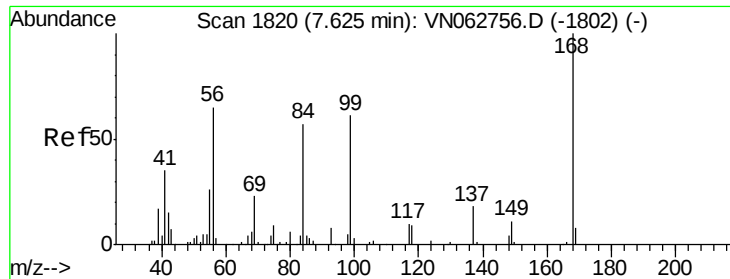
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	100213	47.730	ug/l	97
94) Hexachlorobutadiene	14.98	225	63746	51.682	ug/l	99
95) Naphthalene	15.10	128	253416	44.478	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	99495	48.031	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 172589

Ion Ratio Lower Upper

168 100

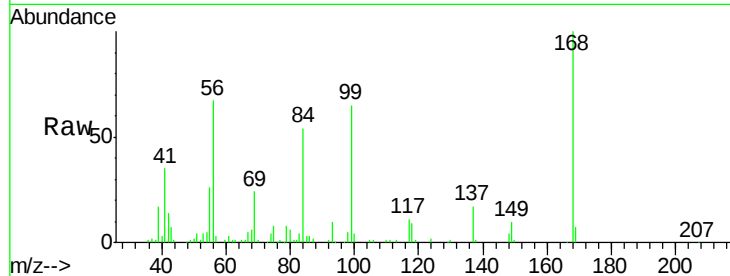
99 64.3 52.9 79.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

40000

20000

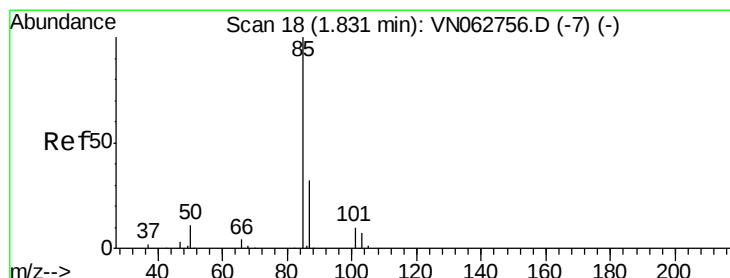
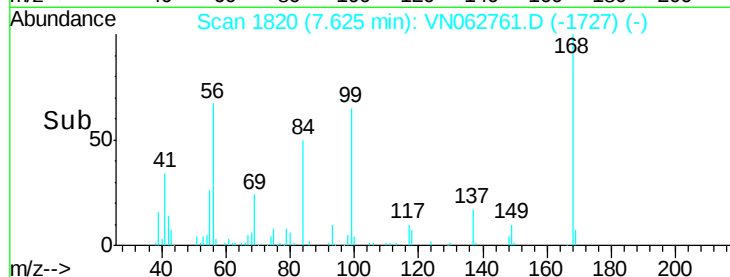
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 54.308 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062761.D

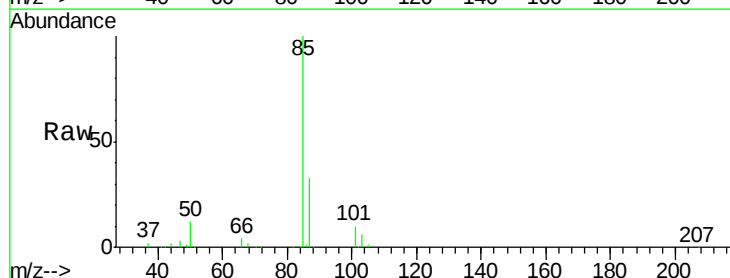
Acq: 6 Aug 2020 12:37

Tgt Ion: 85 Resp: 134216

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

60000

40000

20000

0

1.75

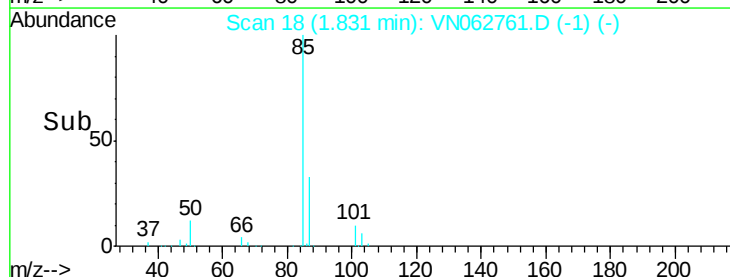
1.80

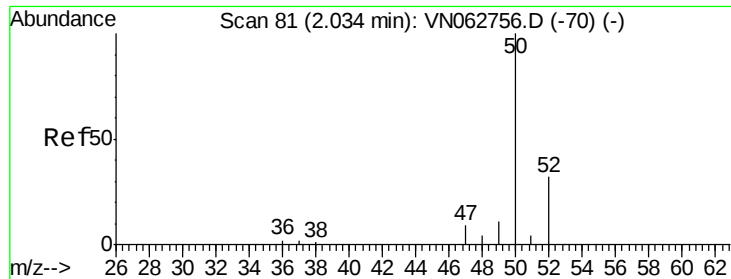
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 59.519 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Tot Ion: 50 Resp: 138809

Ion Ratio Lower Upper

50 100

52 32.1 25.6 38.4

Instrument :

MSVOA_N

ClientSampled :

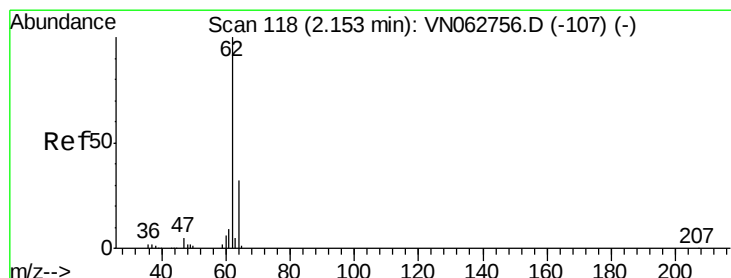
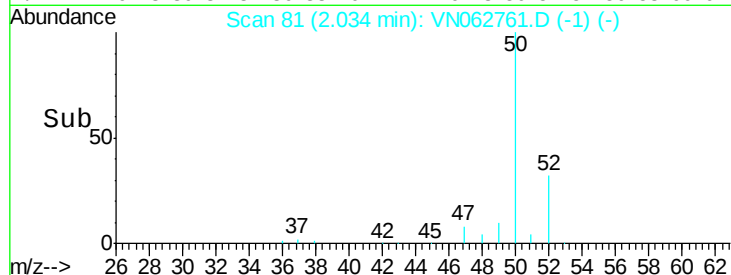
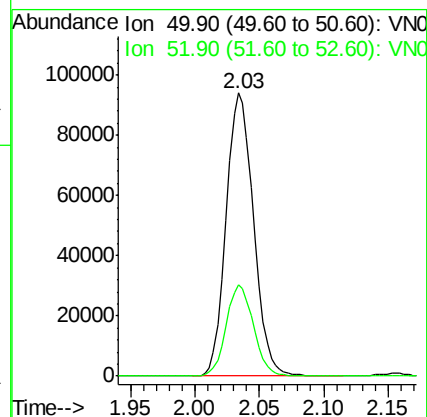
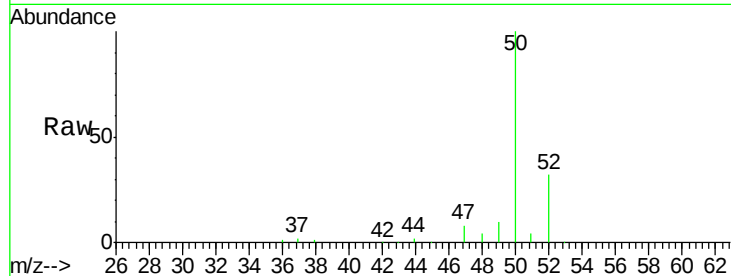
VSTDCCC050

Manual Integrations

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8/7/2020 12:50:40 PM



#4

Vinyl Chloride

Concen: 58.715 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062761.D

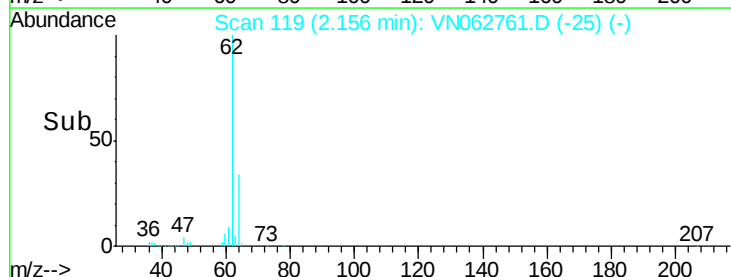
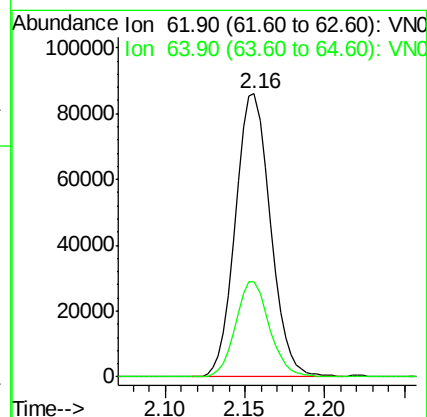
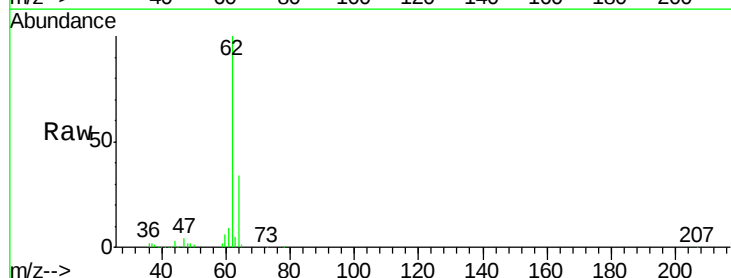
Acq: 6 Aug 2020 12:37

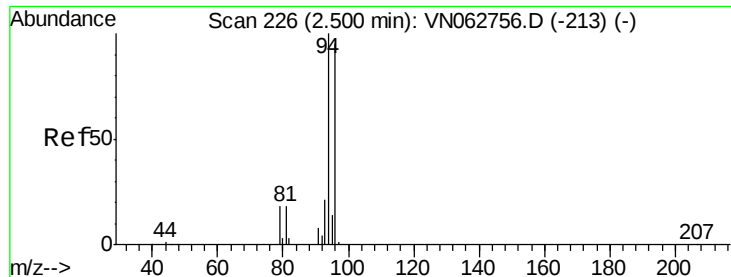
Tgt Ion: 62 Resp: 128434

Ion Ratio Lower Upper

62 100

64 33.8 25.8 38.8





#5

Bromomethane

Concen: 46.189 ug/l

RT: 2.51 min Scan# 228

Delta R.T. 0.01 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 66882

Ion Ratio Lower Upper

94 100

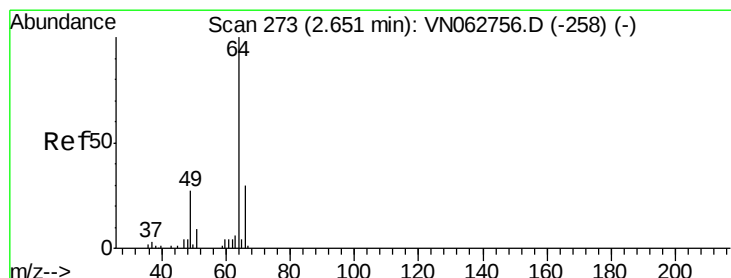
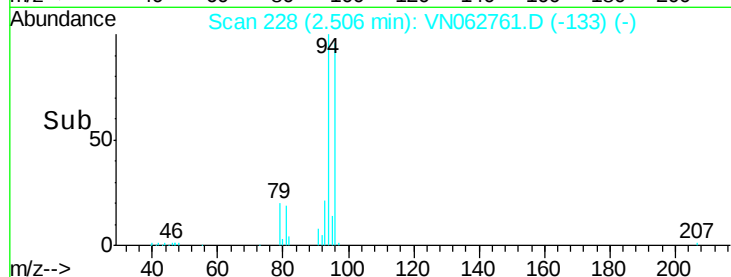
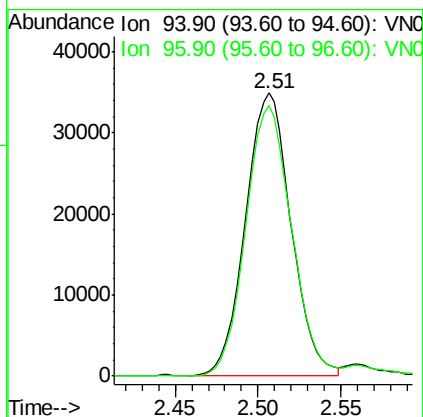
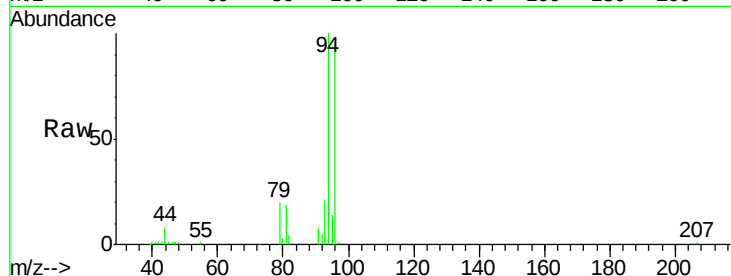
96 95.5 76.2 114.4

Manual Integrations

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8/7/2020 12:50:40 PM



#6

Chloroethane

Concen: 52.631 ug/l

RT: 2.65 min Scan# 274

Delta R.T. 0.00 min

Lab File: VN062761.D

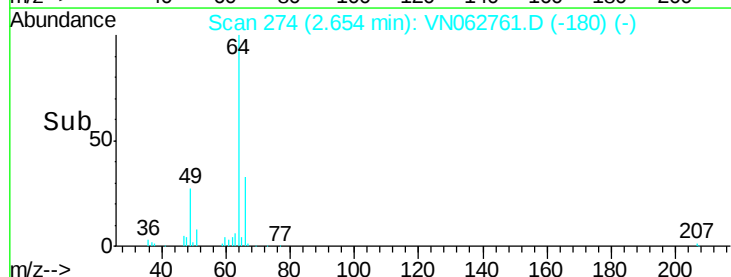
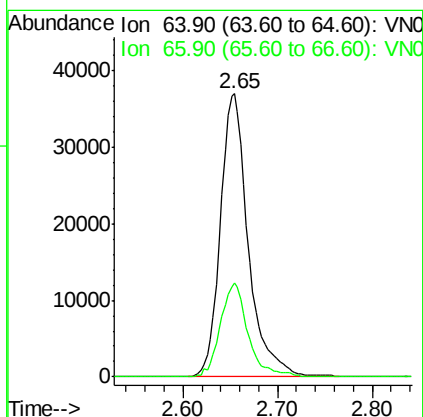
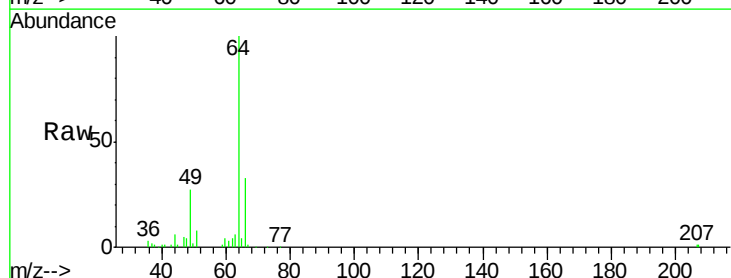
Acq: 6 Aug 2020 12:37

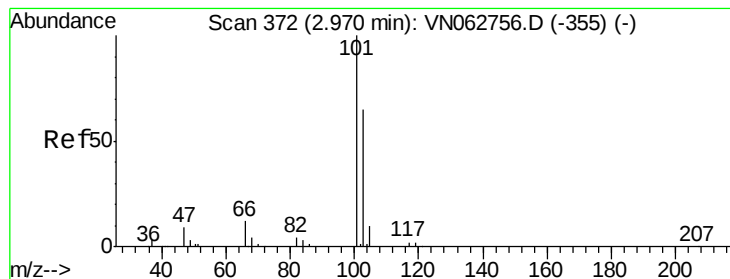
Tgt Ion: 64 Resp: 75739

Ion Ratio Lower Upper

64 100

66 33.1 24.0 36.0





#7

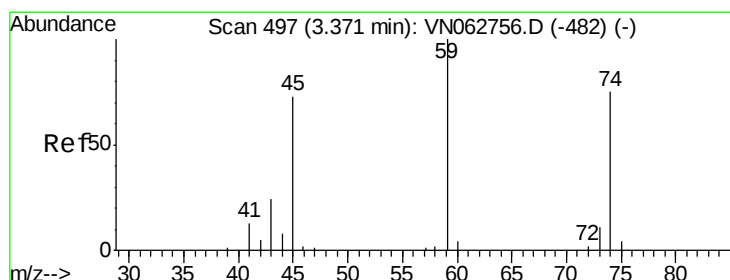
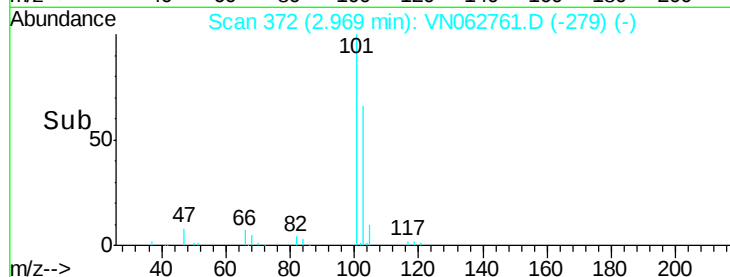
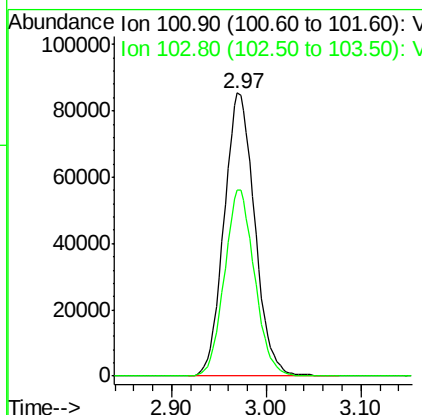
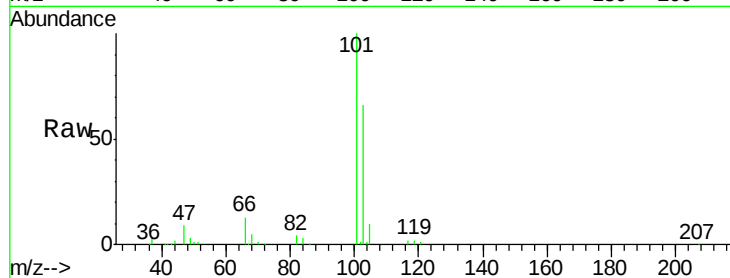
Trichlorofluoromethane
Concen: 49.226 ug/l
RT: 2.97 min Scan# 372
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.3	78.5

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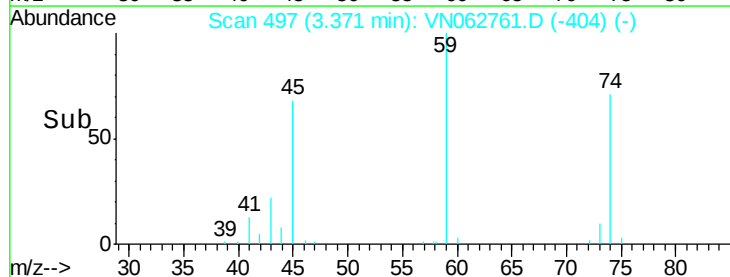
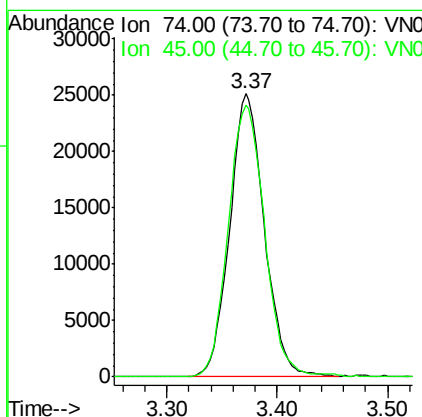
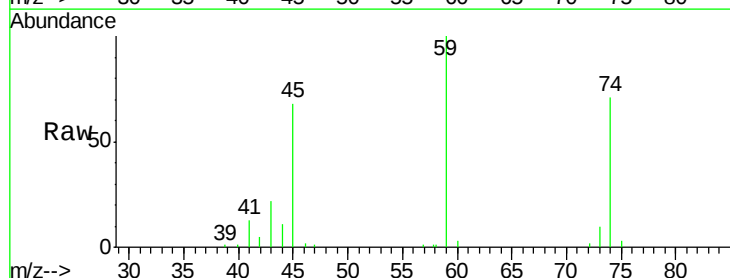
MMDadoda
8/7/2020 12:50:40 PM

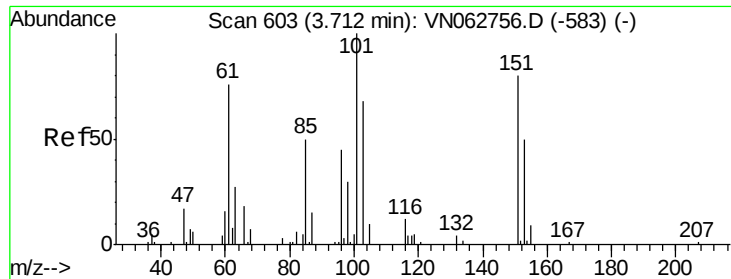


#8

Diethyl Ether
Concen: 48.997 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.212 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

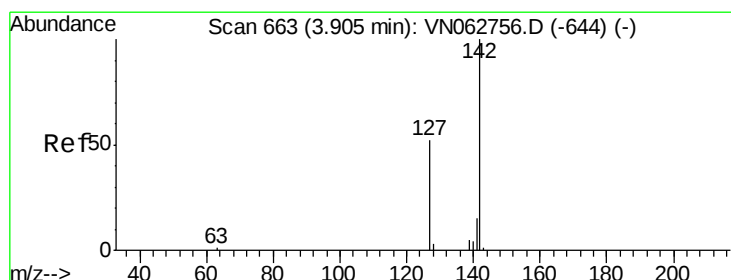
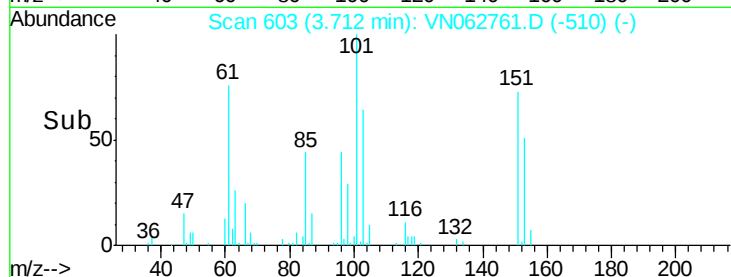
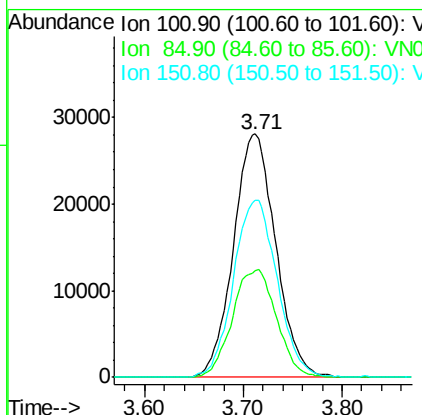
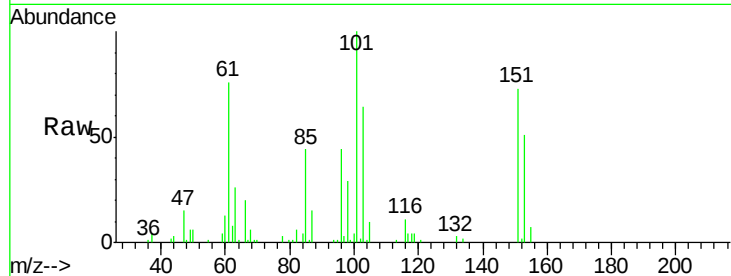
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	83619
Ion Ratio	Lower	Upper	
101	100		
85	46.0	38.5	57.7
151	75.3	63.0	94.6

Manual Integrations
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#10

Methyl Iodide

Concen: 52.062 ug/l

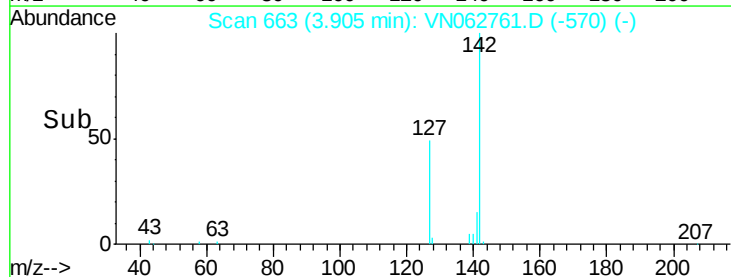
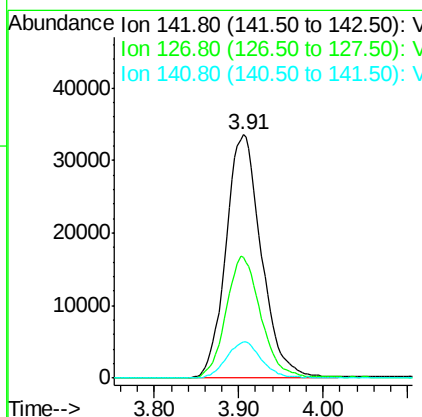
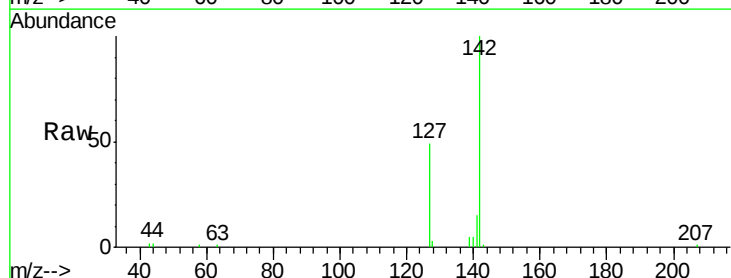
RT: 3.91 min Scan# 663

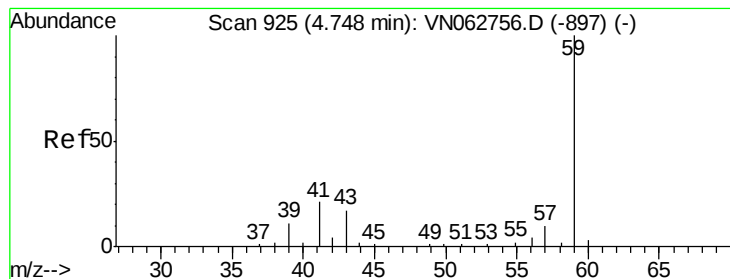
Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Tgt Ion:	142	Resp:	98425
Ion Ratio	Lower	Upper	
142	100		
127	48.8	41.4	62.0
141	14.6	12.2	18.4





#11

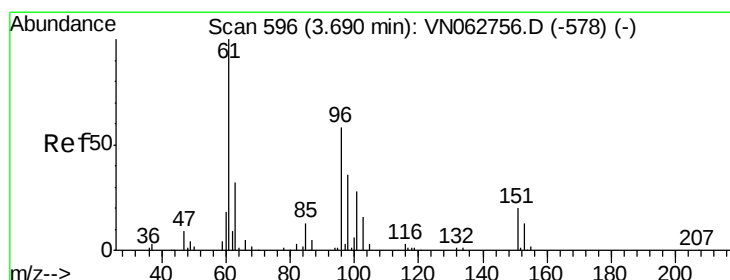
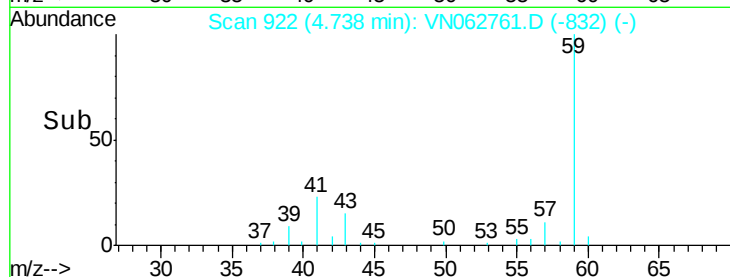
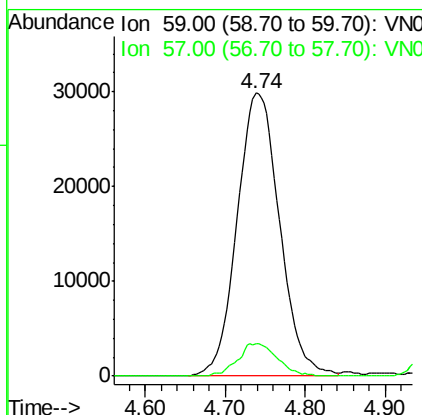
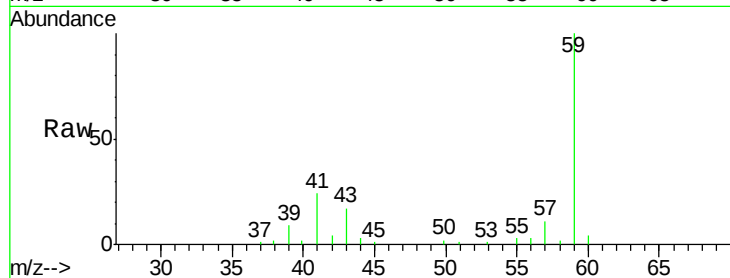
Tert butyl alcohol
 Concen: 230.817 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

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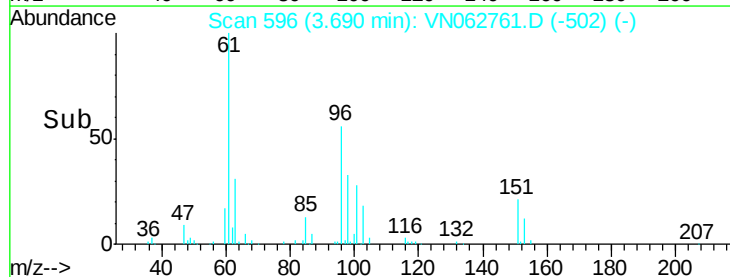
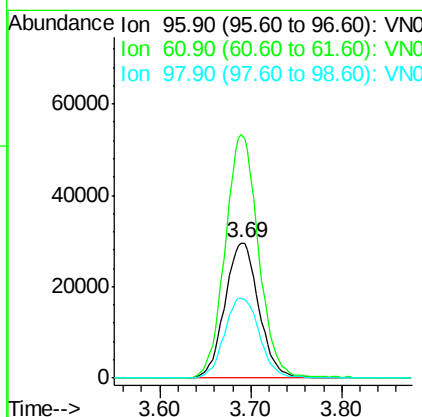
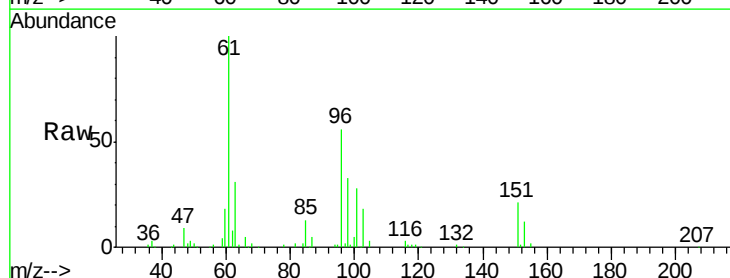
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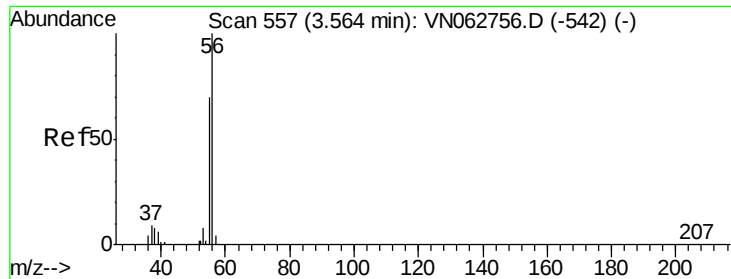


#12

1,1-Dichloroethene
 Concen: 52.202 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.9	139.0	208.6
98	58.9	50.2	75.4





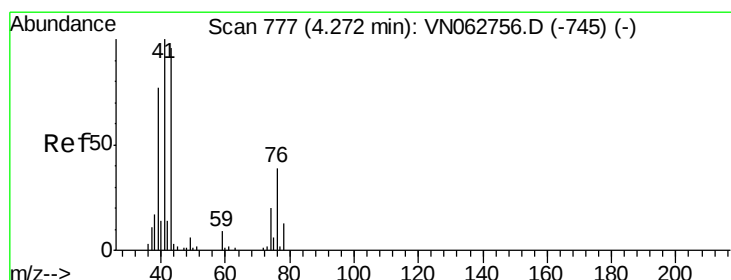
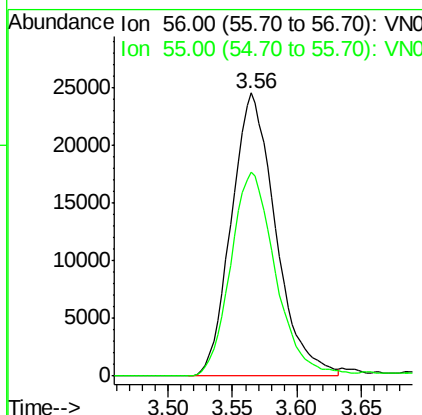
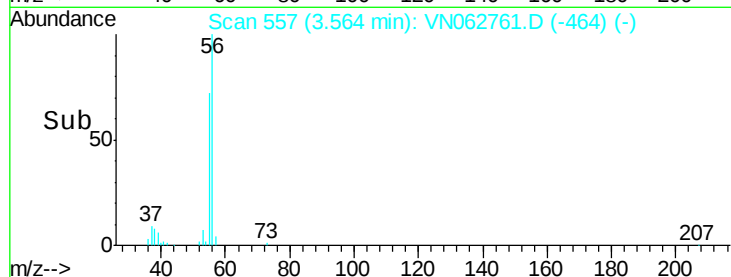
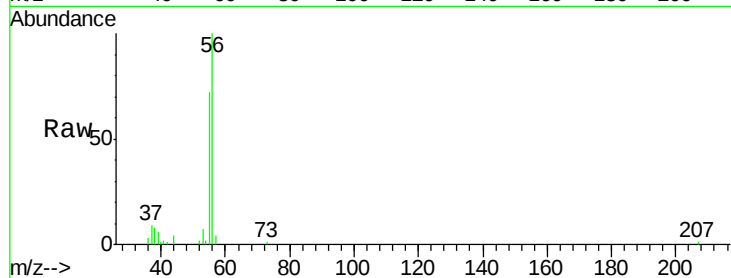
#13
Acrolein
Concen: 207.246 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	56	Resp	58697
Ion Ratio	100	Lower	Upper
56	100		
55	73.1	57.0	85.6

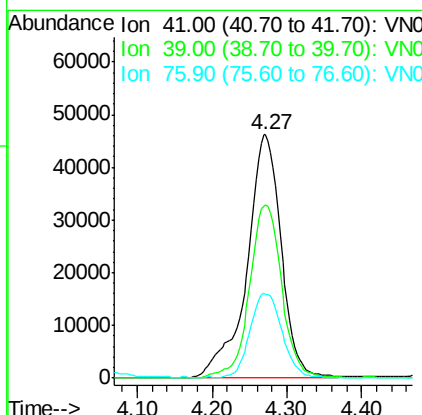
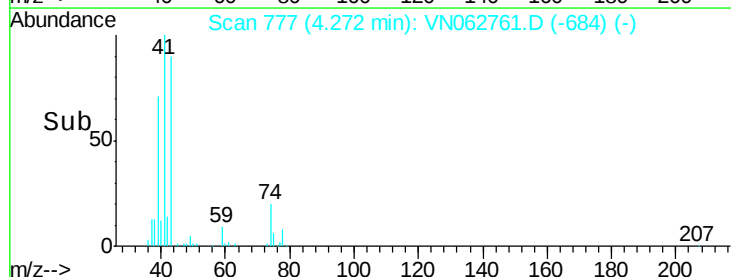
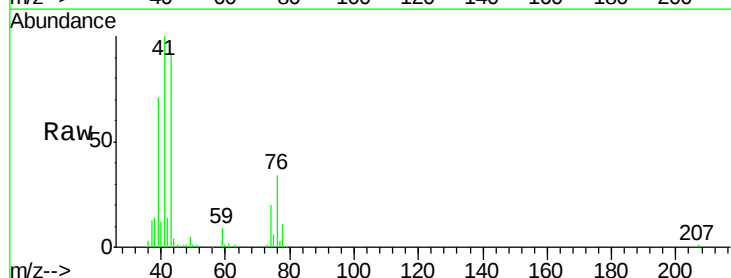
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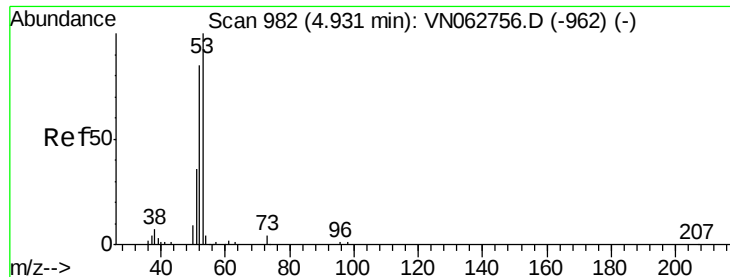
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#14
Allyl chloride
Concen: 48.918 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	41	Resp	147814
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
41	100		
39	66.9	55.7	83.5
76	32.6	27.5	41.3





#15

Acrylonitrile

Concen: 254.192 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

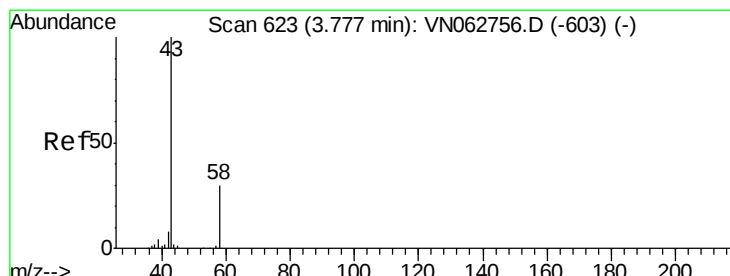
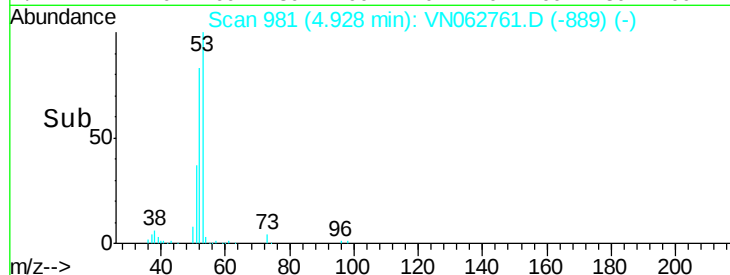
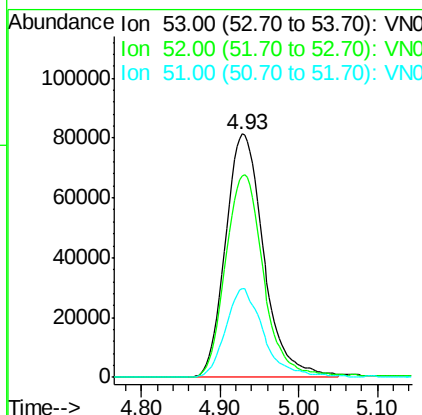
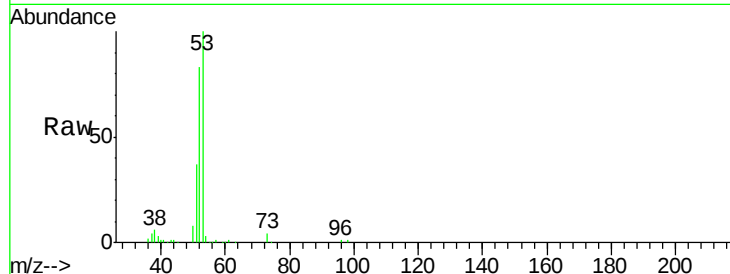
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	275788
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.8	100.2
51	36.4	29.5	44.3

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#16

Acetone

Concen: 230.740 ug/l

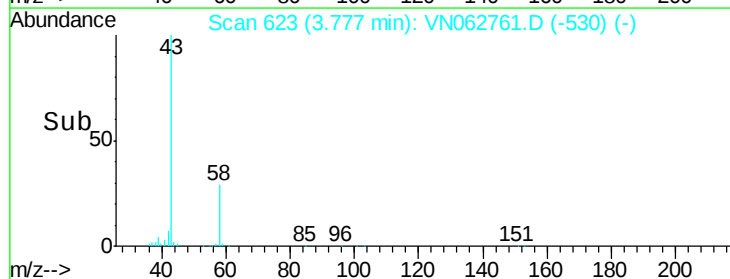
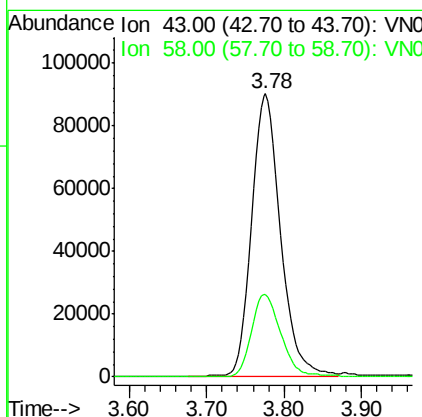
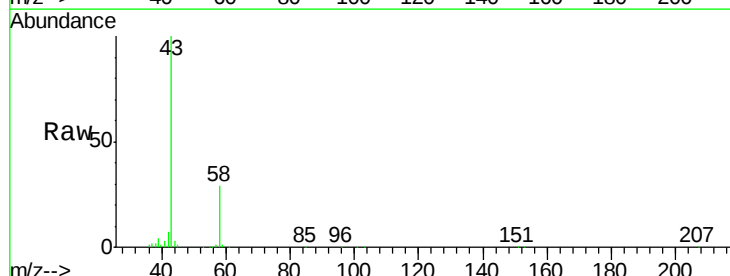
RT: 3.78 min Scan# 623

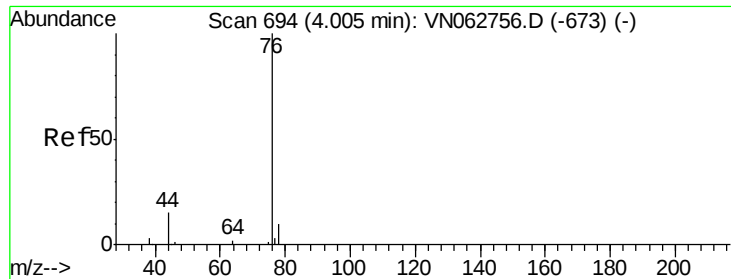
Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Tgt Ion:	43	Resp:	237959
Ion	Ratio	Lower	Upper
43	100		
58	28.9	24.1	36.1





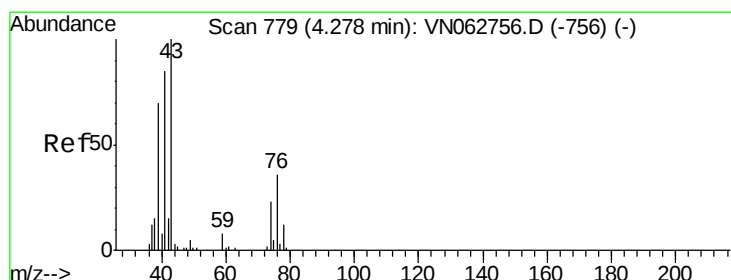
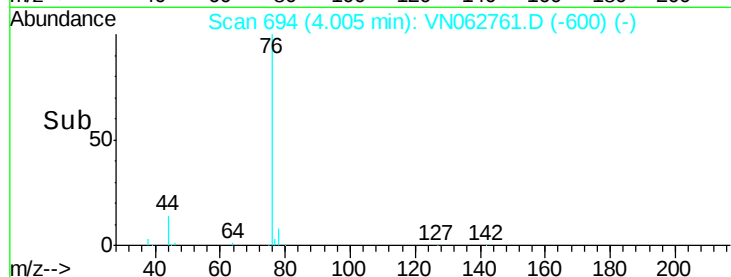
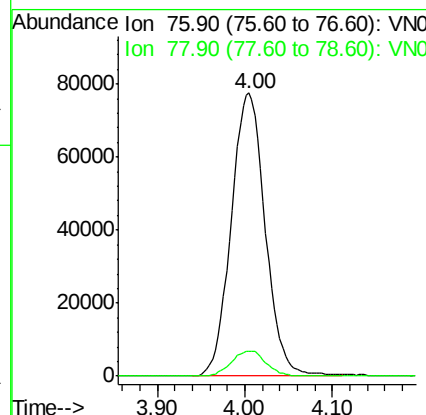
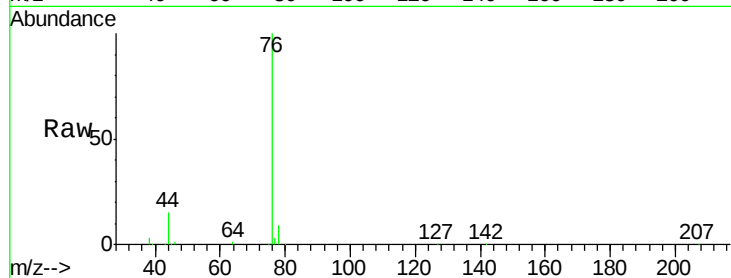
#17
Carbon Disulfide
Concen: 50.099 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.7	11.5

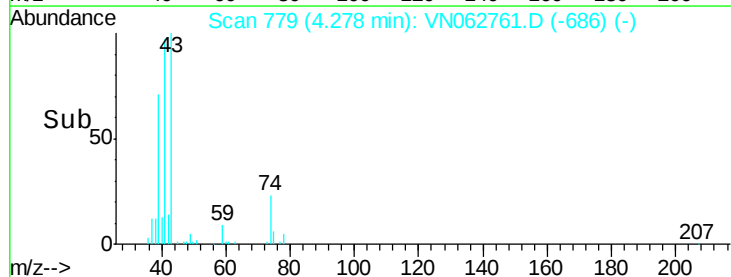
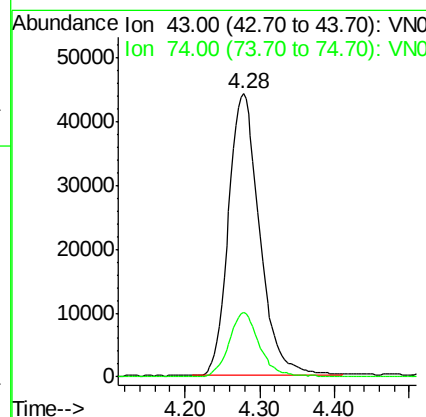
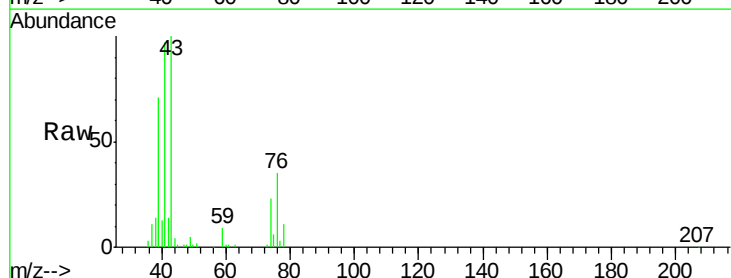
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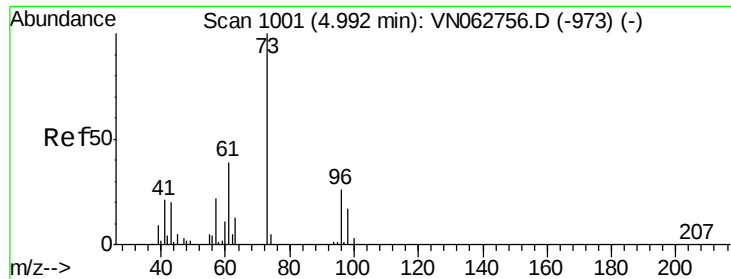
MMDadoda
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#18
Methyl Acetate
Concen: 52.283 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.6	28.0





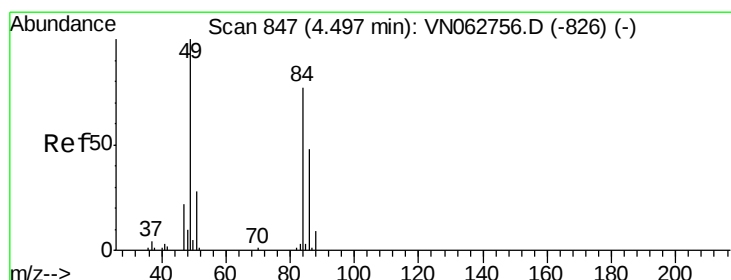
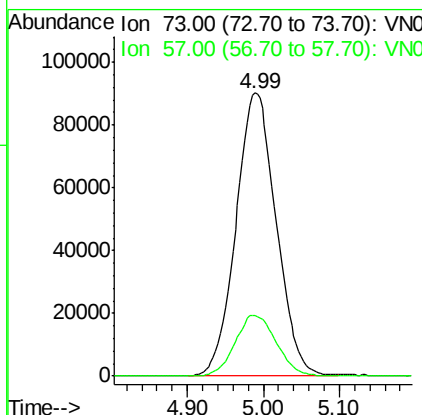
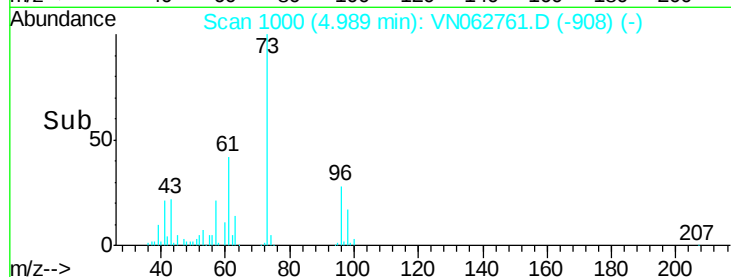
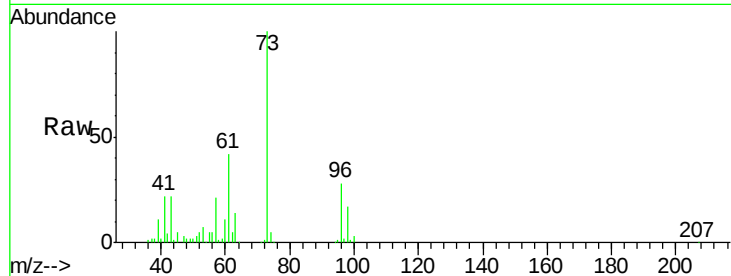
#19
Methyl tert-butyl Ether
Concen: 49.651 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 332004
Ion Ratio Lower Upper
73 100
57 21.3 17.5 26.3

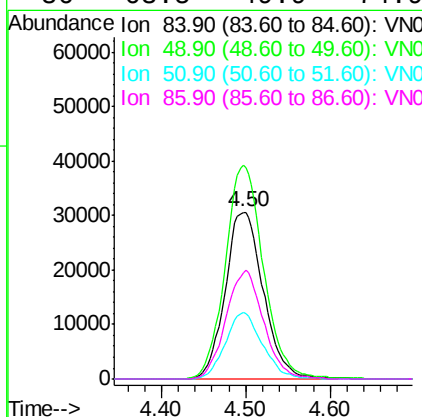
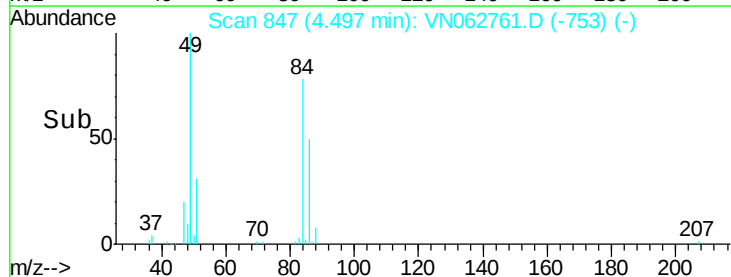
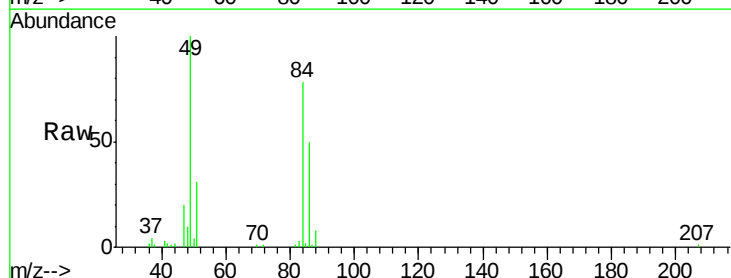
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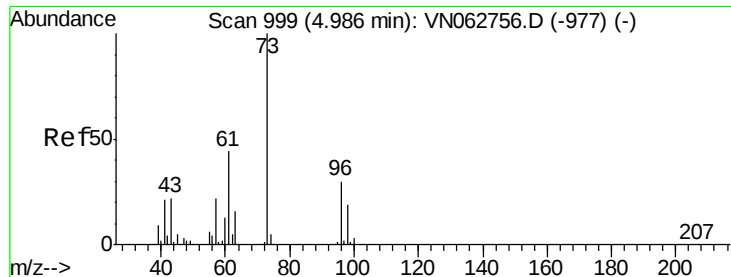
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#20
Methylene Chloride
Concen: 50.996 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion: 84 Resp: 96216
Ion Ratio Lower Upper
84 100
49 127.7 103.4 155.2
51 40.3 29.3 43.9
86 63.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 47.315 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

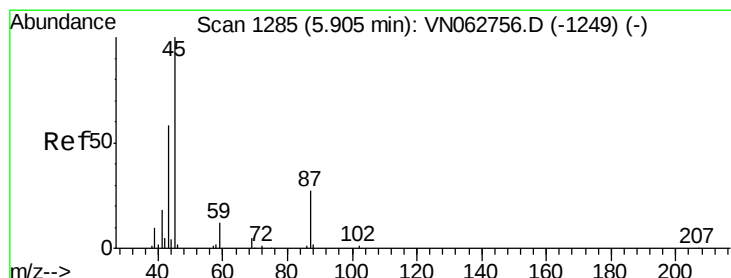
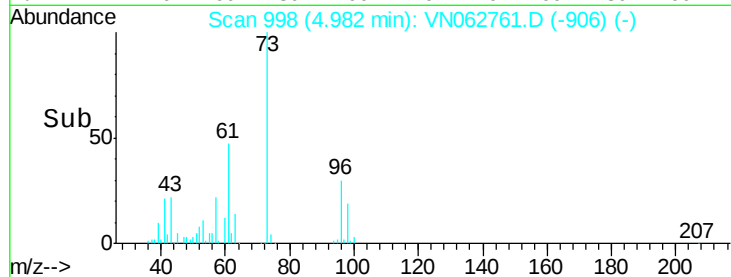
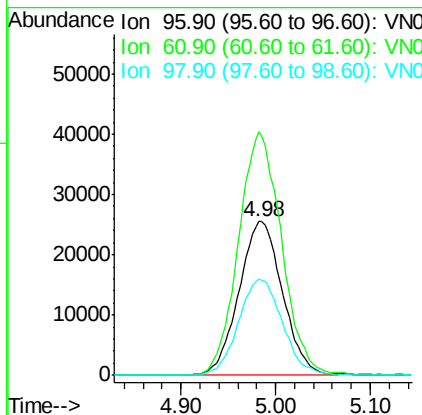
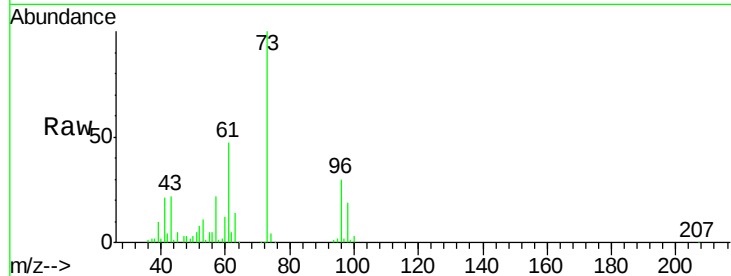
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	81719
Ion	Ratio	Lower	Upper
96	100		
61	158.2	118.8	178.2
98	62.8	51.0	76.4

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#22

Diisopropyl ether

Concen: 52.200 ug/l

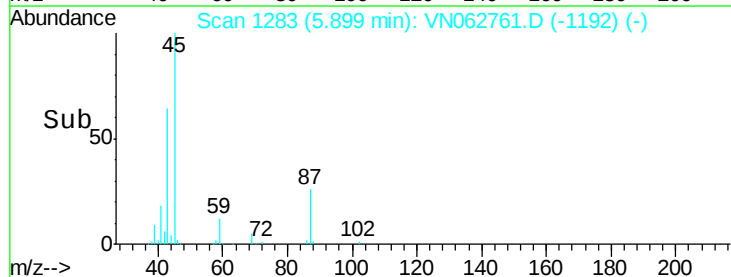
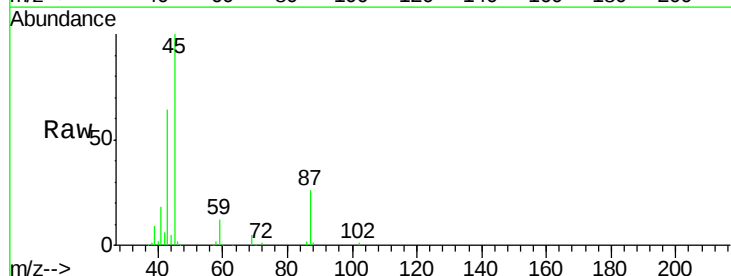
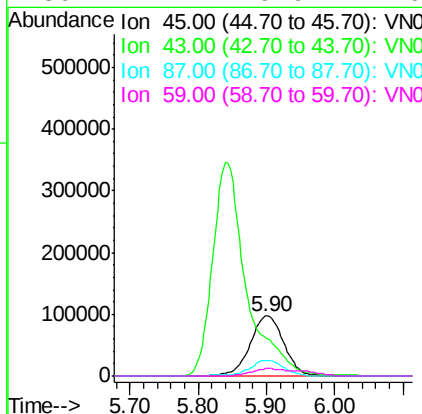
RT: 5.90 min Scan# 1283

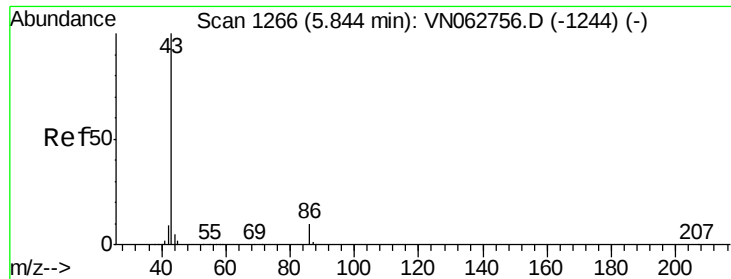
Delta R.T. -0.01 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Tgt Ion:	45	Resp:	335779
Ion	Ratio	Lower	Upper
45	100		
43	62.2	47.4	71.2
87	26.0	22.8	34.2
59	11.7	9.9	14.9





#23

Vinyl Acetate

Concen: 243.374 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1190749

Ion Ratio Lower Upper

43 100

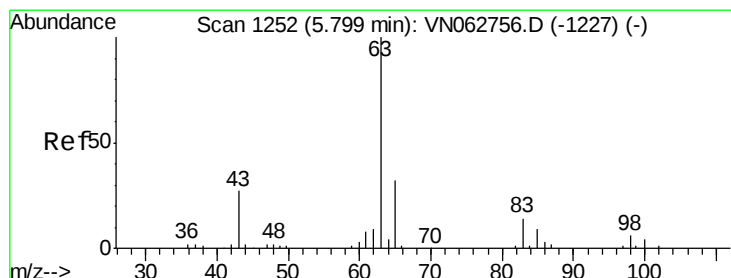
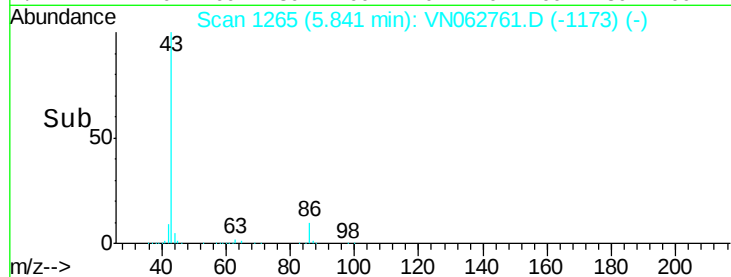
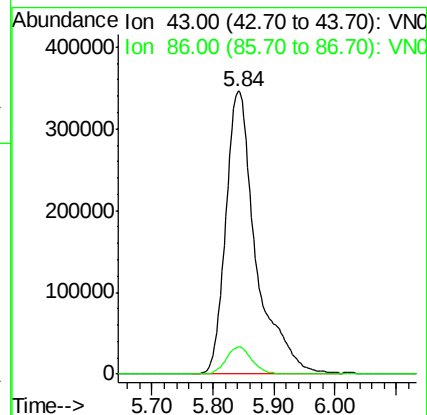
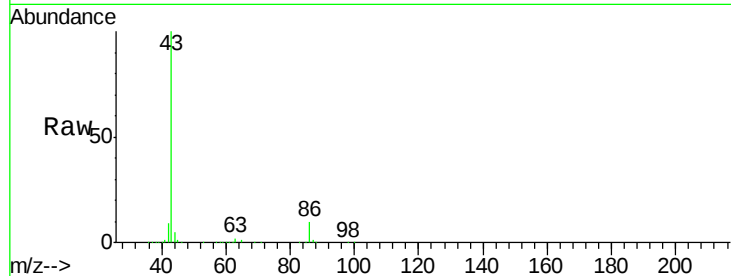
86 9.8 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 46.996 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

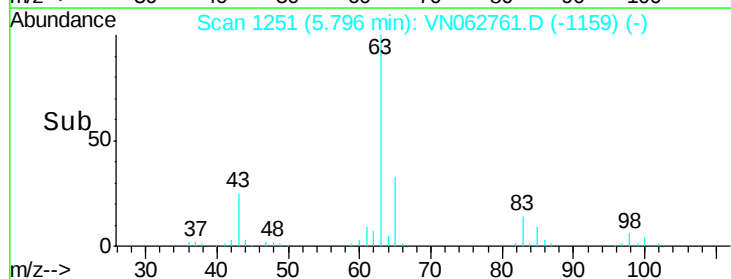
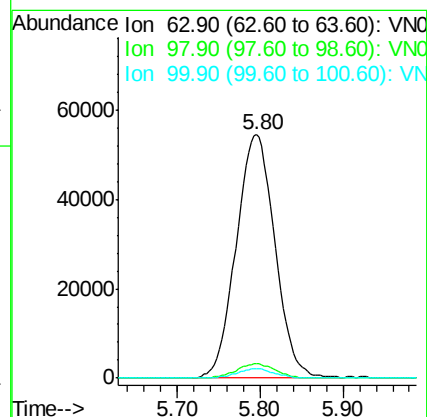
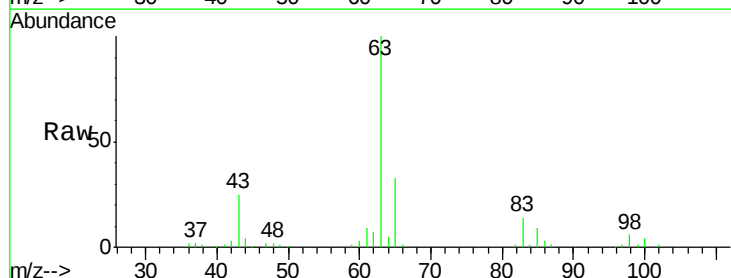
Tgt Ion: 63 Resp: 177157

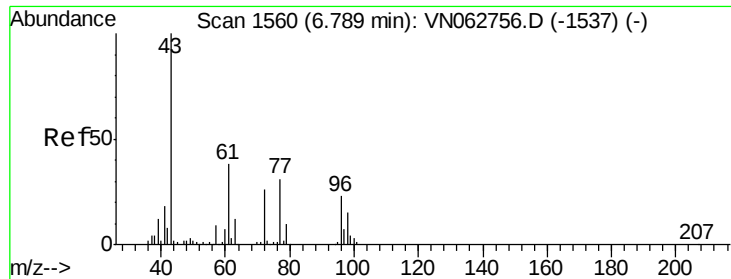
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 249.396 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 364272

Ion Ratio Lower Upper

43 100

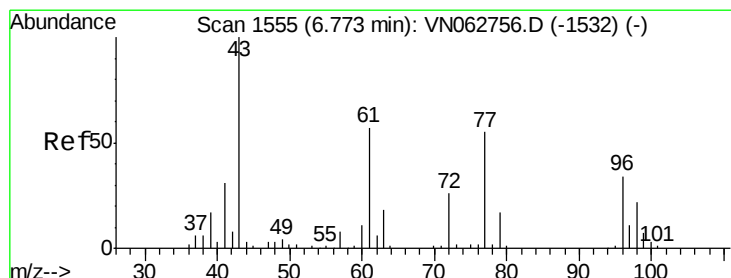
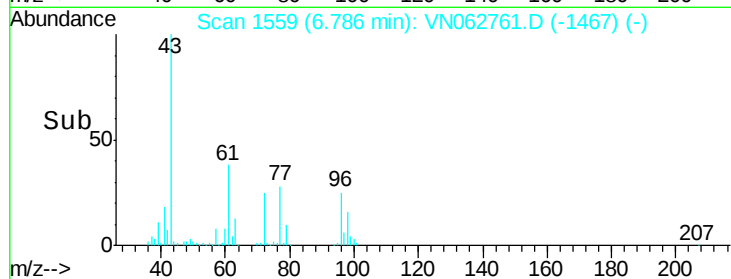
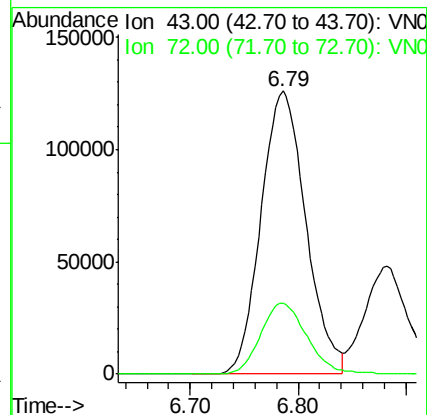
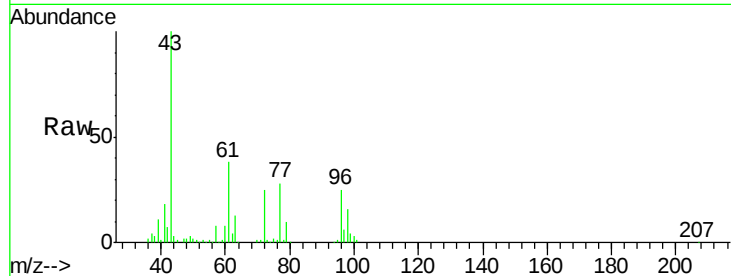
72 25.1 21.1 31.7

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#26

2,2-Dichloropropane

Concen: 40.033 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062761.D

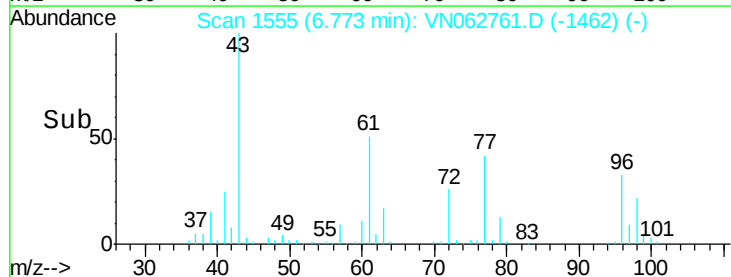
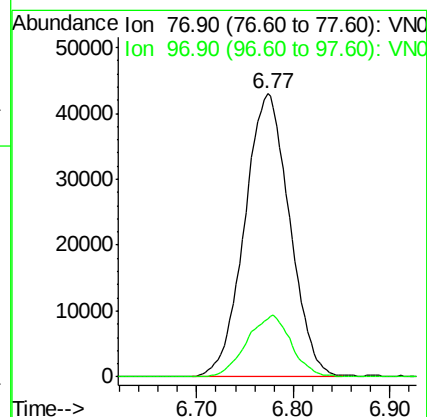
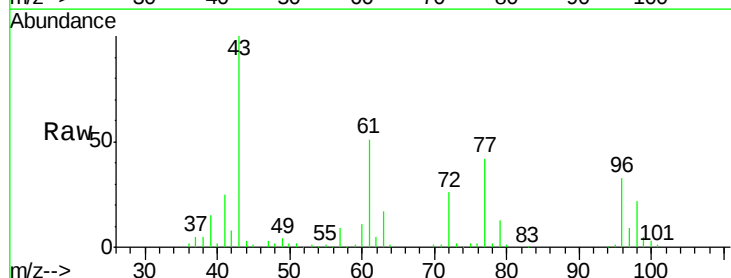
Acq: 6 Aug 2020 12:37

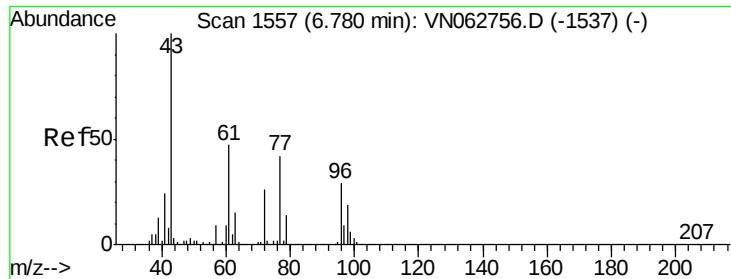
Tgt Ion: 77 Resp: 139105

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.6





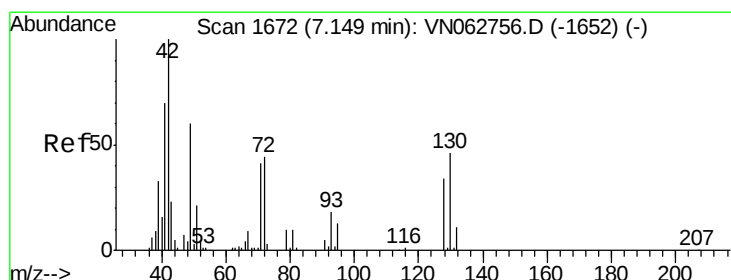
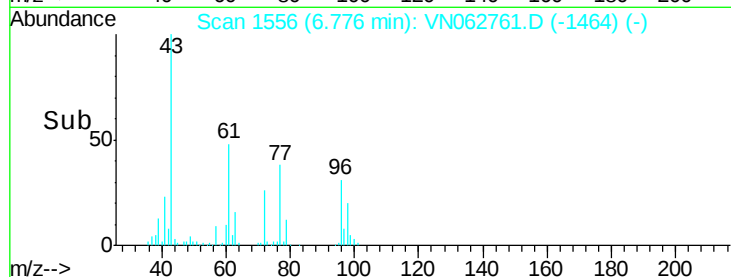
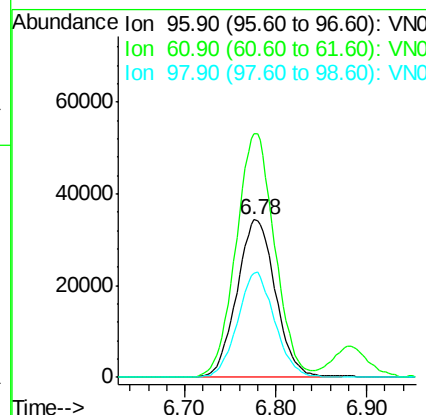
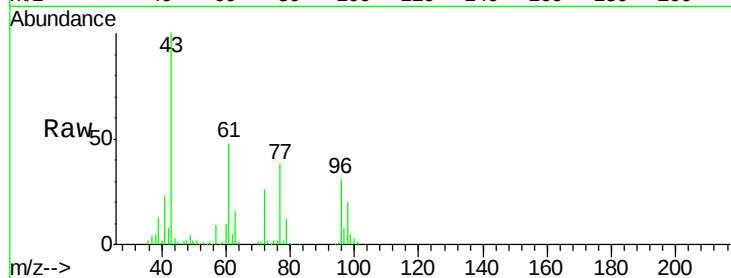
#27
 cis-1,2-Dichloroethene
 Concen: 48.867 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	154.9	0.0	332.2	
98	63.8	0.0	129.4	

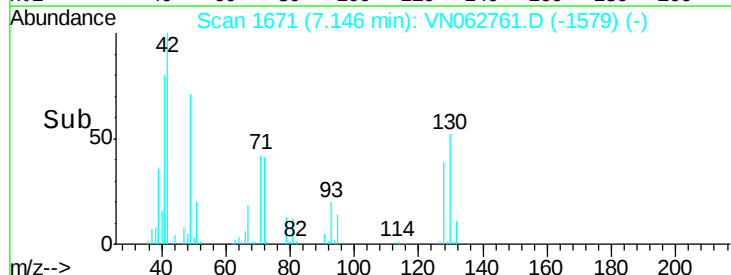
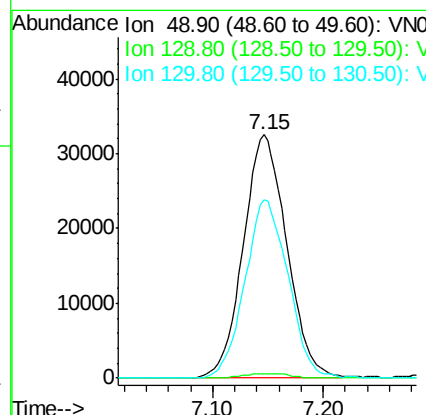
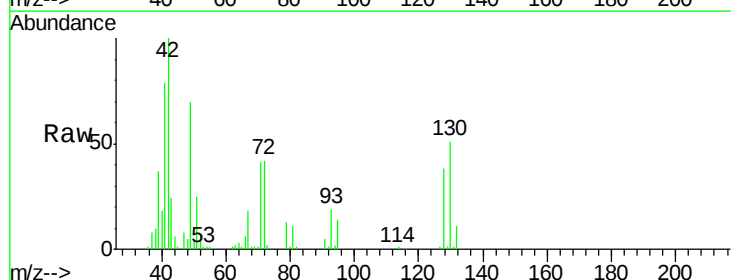
Manual Integrations
 APPROVED

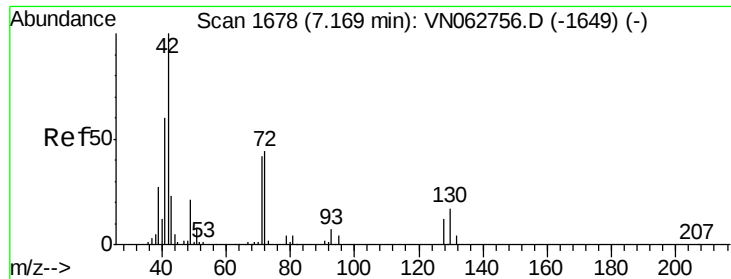
MMDadoda
 8/7/2020 12:50:40 PM



#28
 Bromochloromethane
 Concen: 48.827 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.2	
130	72.6	59.0	88.6	





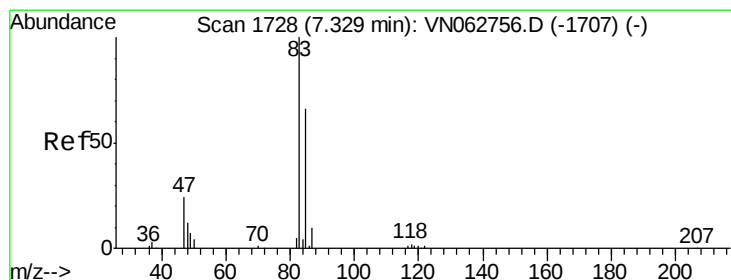
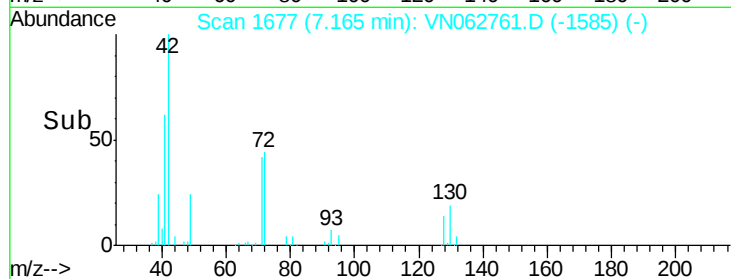
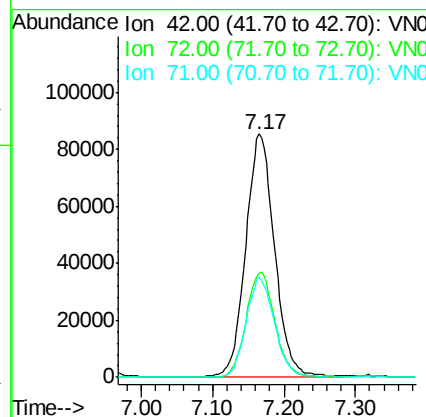
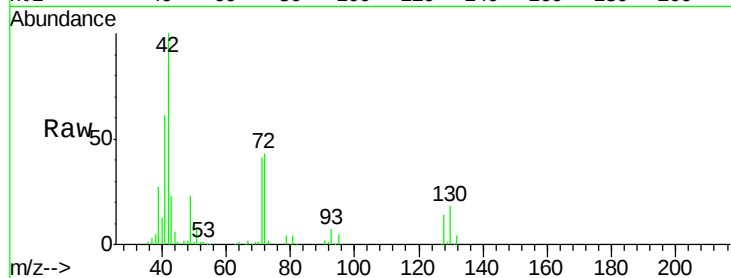
#29
Tetrahydrofuran
Concen: 254.216 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	35.0	52.4
71	40.2	33.2	49.8

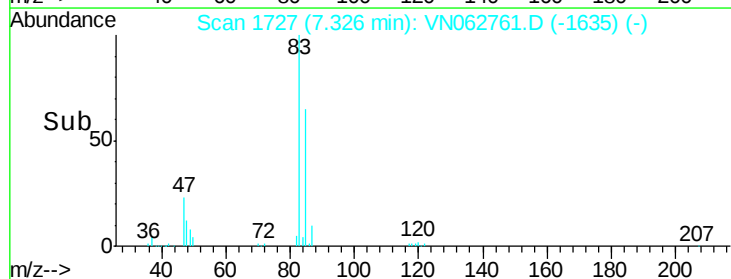
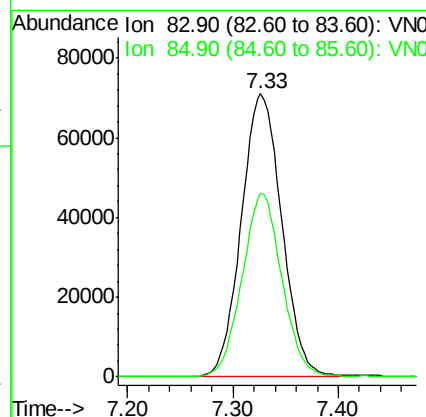
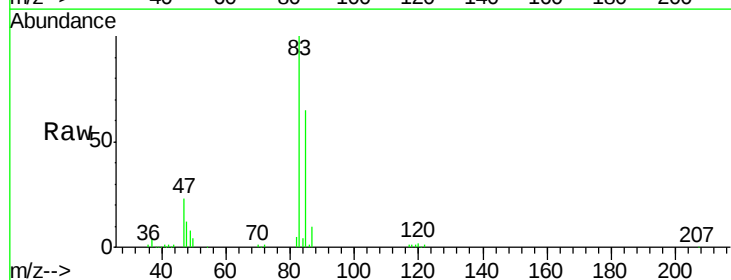
Manual Integrations
APPROVED

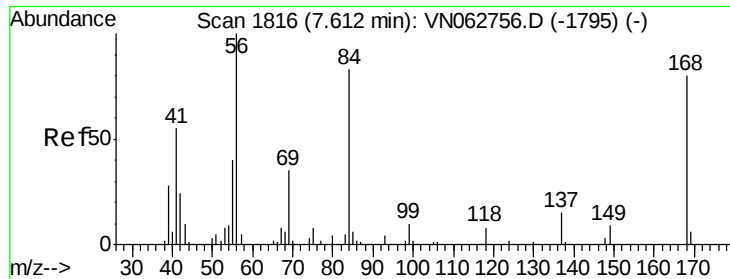
MMDadoda
8/7/2020 12:50:40 PM



#30
Chloroform
Concen: 47.294 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.7	79.1





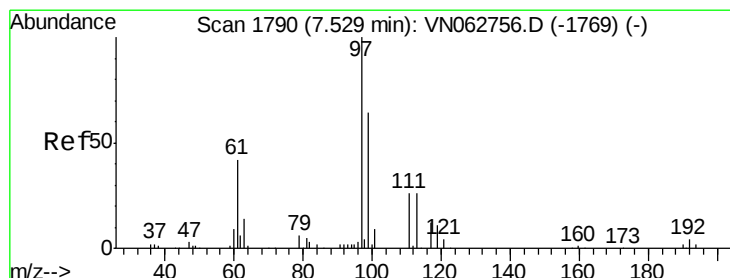
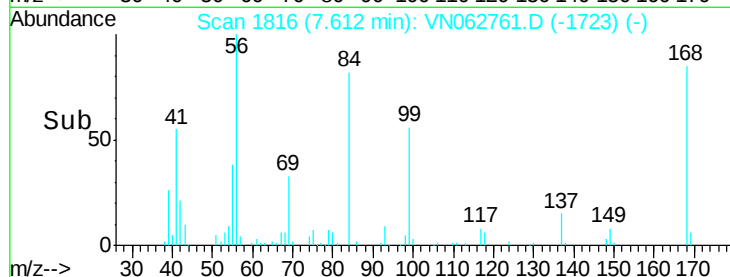
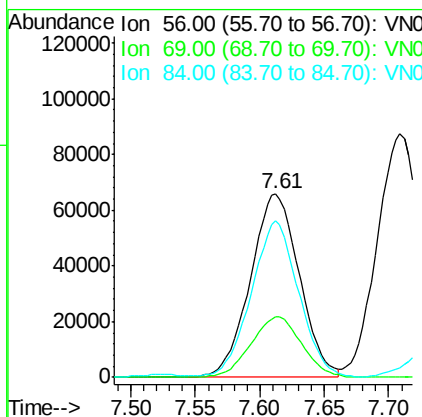
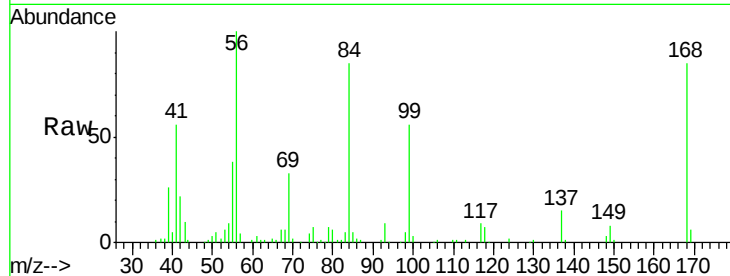
#31
Cyclohexane
Concen: 50.292 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	28.1	42.1
84	84.4	66.8	100.2

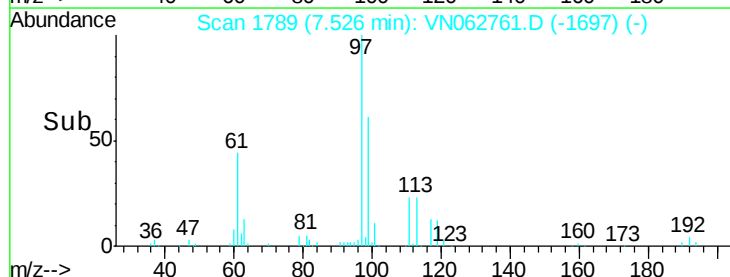
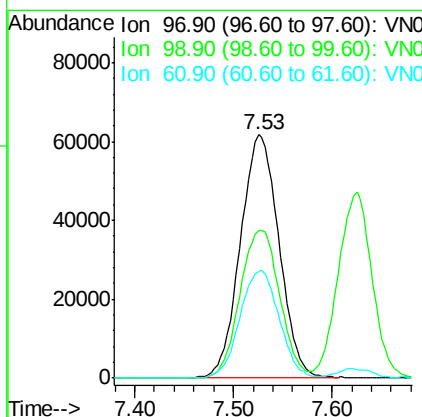
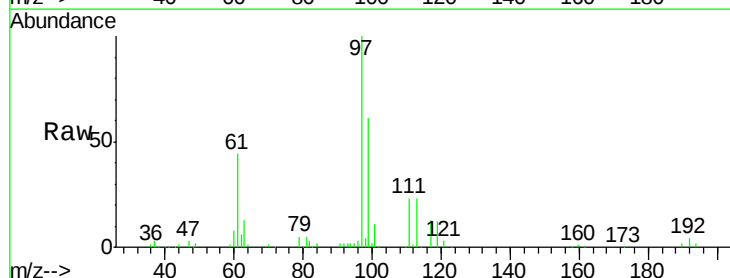
Manual Integrations
APPROVED

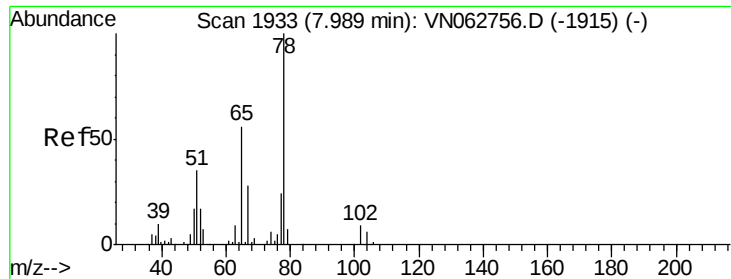
MMDadoda
8/7/2020 12:50:40 PM



#32
1,1,1-Trichloroethane
Concen: 46.729 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	50.0	75.0
61	44.8	34.8	52.2





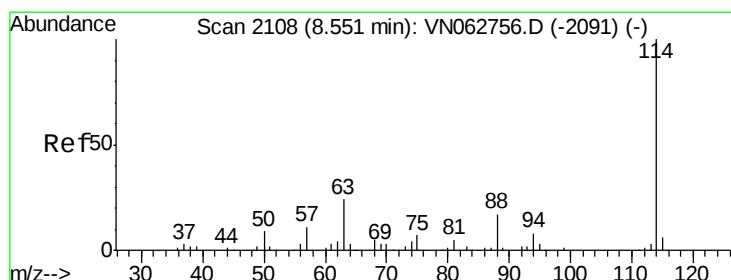
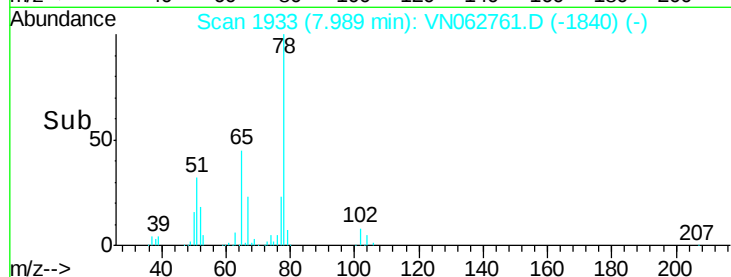
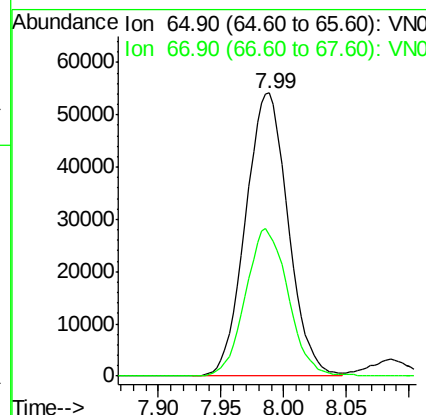
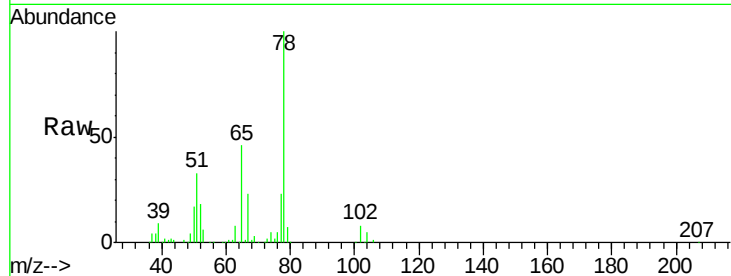
#33
 1,2-Dichloroethane-d4
 Concen: 44.915 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128191		
67	52.1	0.0	101.4	

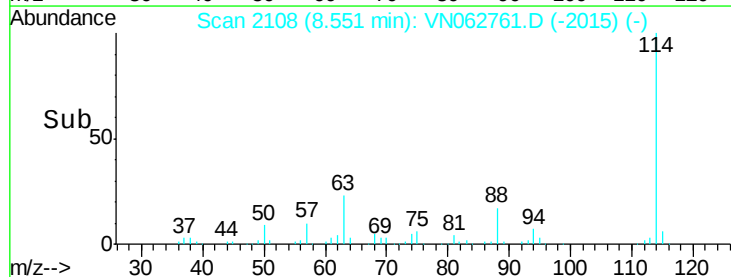
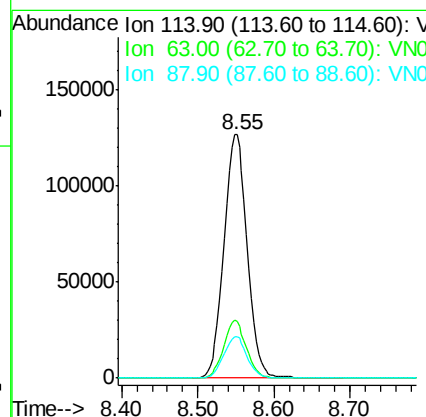
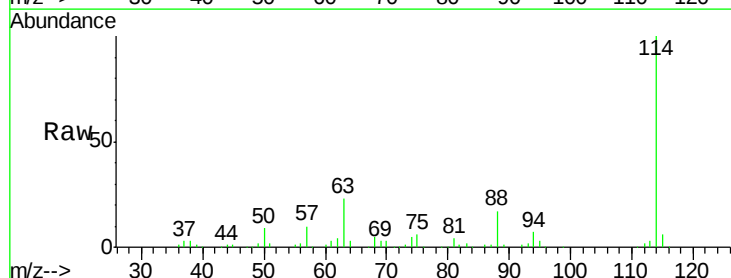
Manual Integrations
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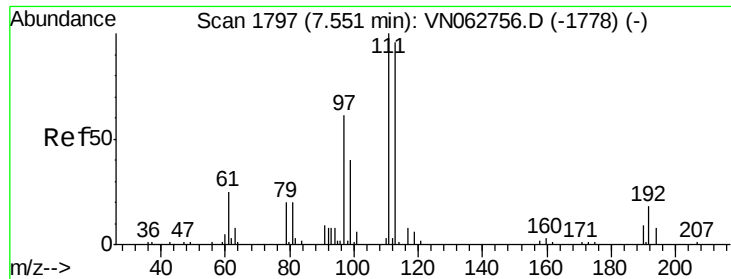
MMDadoda
 8/7/2020 12:50:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	269419		
63	23.1	0.0	47.6	
88	17.1	0.0	34.4	





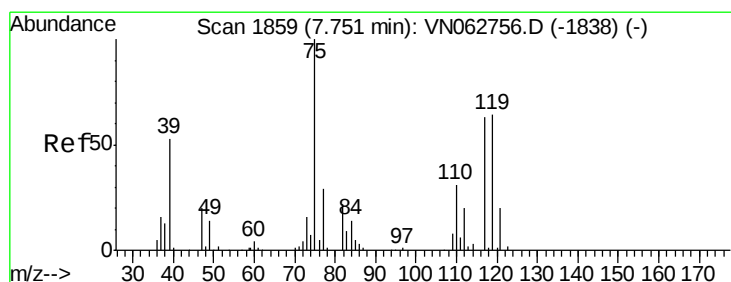
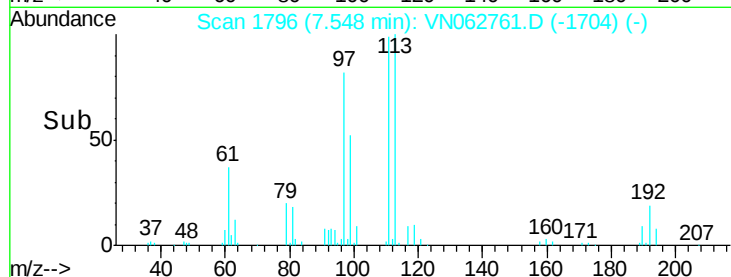
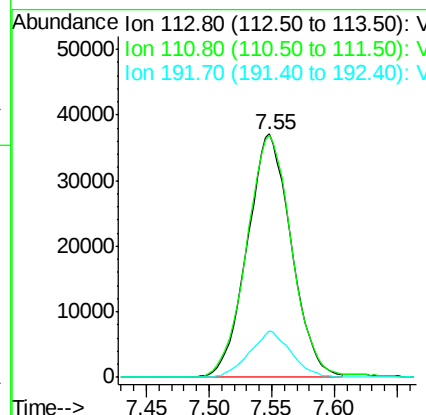
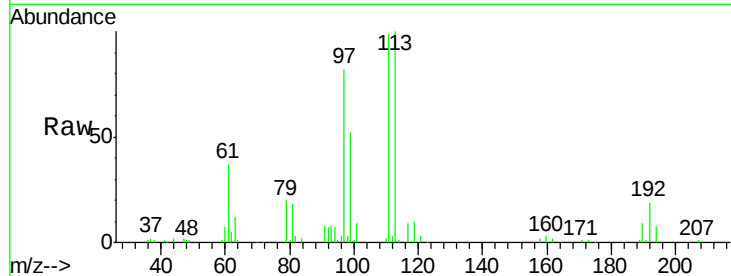
#35
 Dibromofluoromethane
 Concen: 49.172 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	90622		
111	101.3	81.8	122.6	
192	17.9	15.0	22.4	

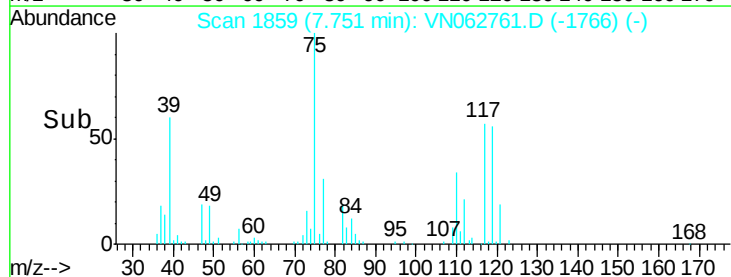
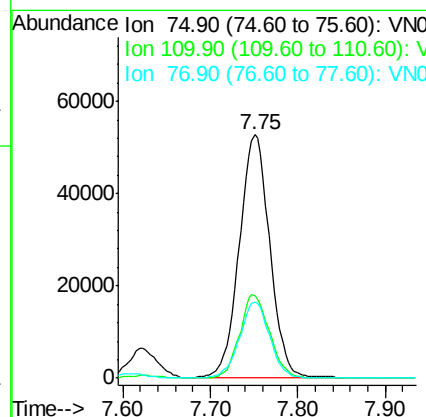
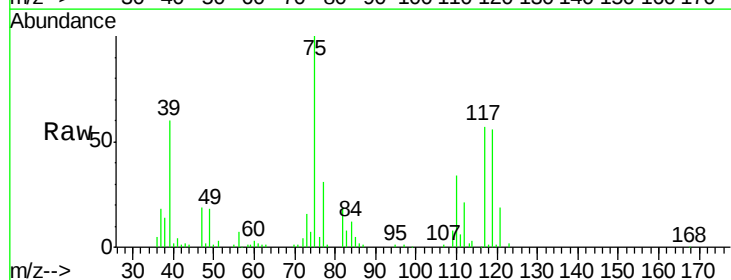
Manual Integrations
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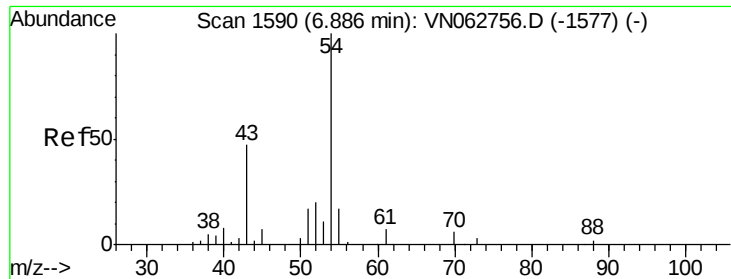
MMDadoda
 8/7/2020 12:50:40 PM



#36
 1,1-Dichloropropene
 Concen: 48.840 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128124		
110	33.3	15.6	46.7	
77	30.9	24.1	36.1	





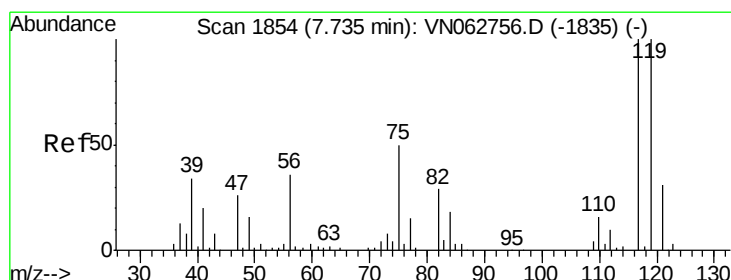
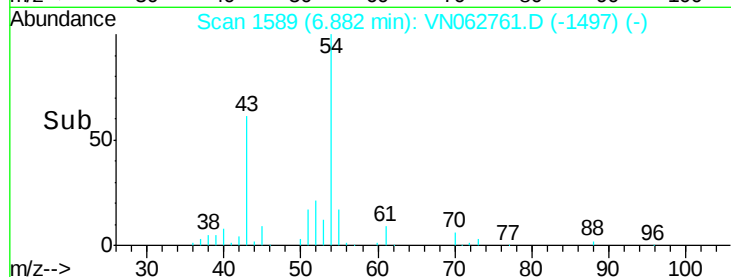
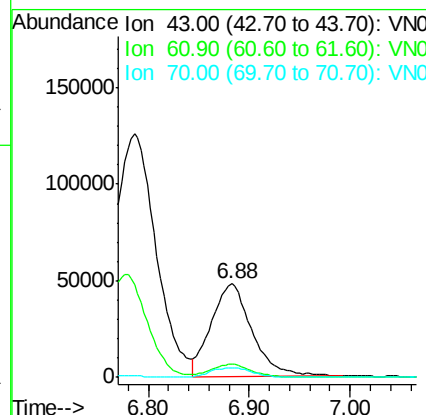
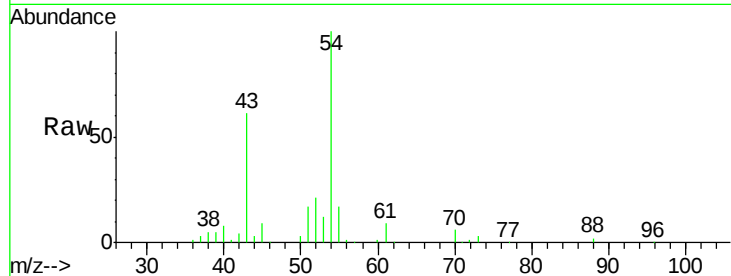
#37
Ethyl Acetate
Concen: 49.300 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	12.1	18.1
70	10.4	8.3	12.5

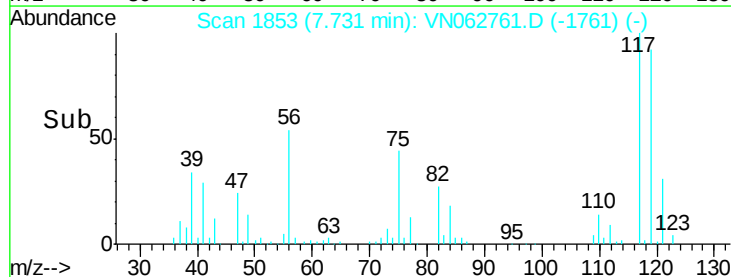
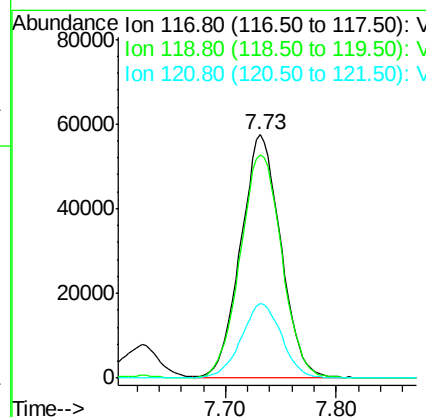
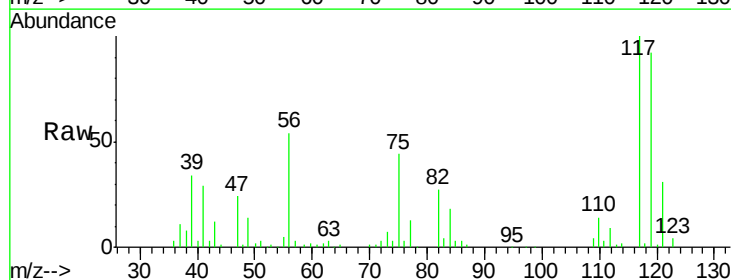
Manual Integrations
APPROVED

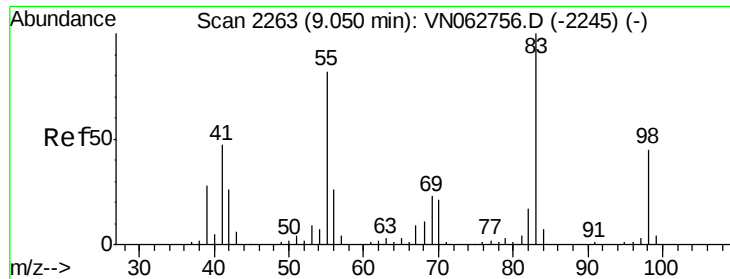
MMDadoda
8/7/2020 12:50:40 PM



#38
Carbon Tetrachloride
Concen: 46.192 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	79.4	119.2
121	30.7	24.9	37.3





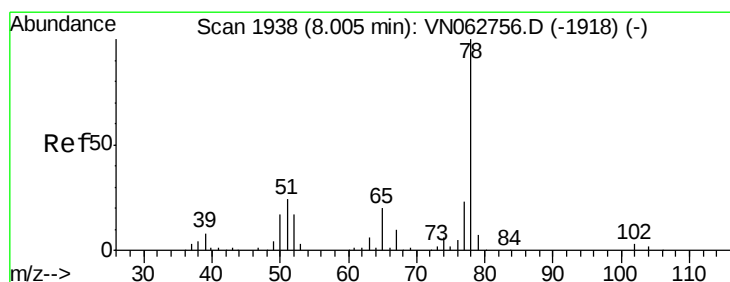
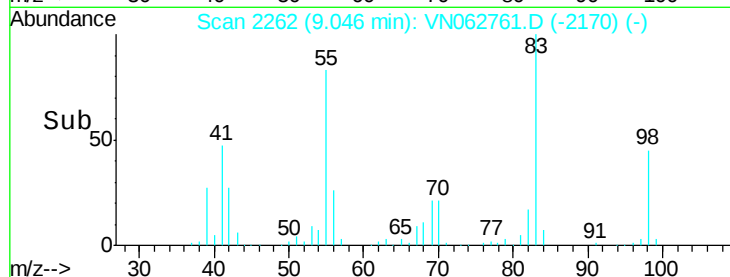
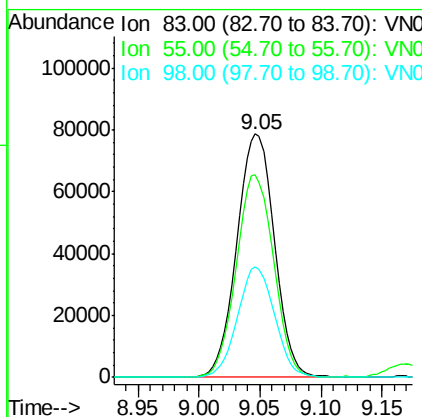
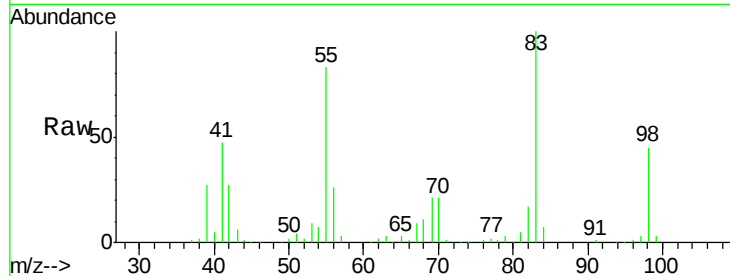
#39
Methvlcvclohexane
Concen: 53.136 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	65.7	98.5
98	45.4	35.6	53.4

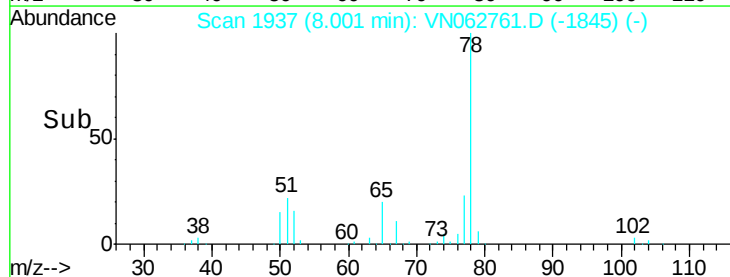
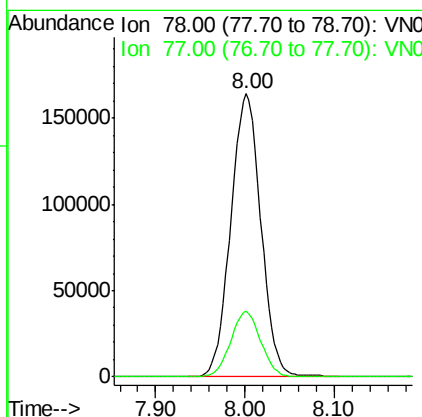
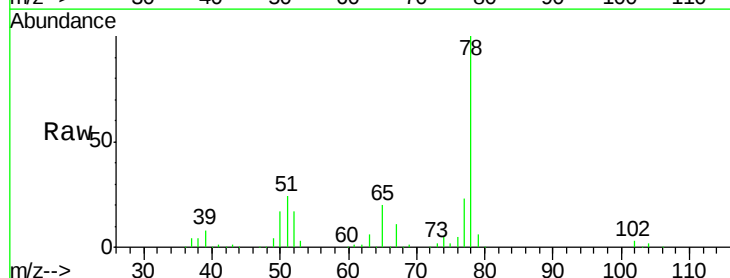
Manual Integrations
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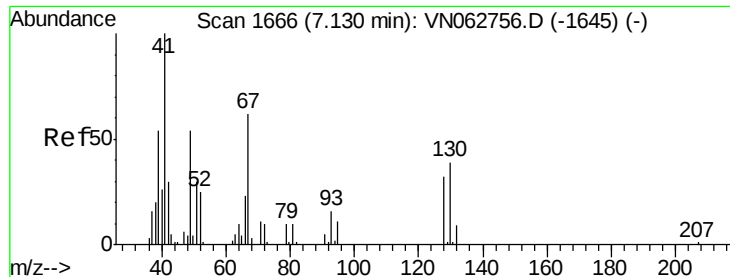
MMDadoda
8/7/2020 12:50:40 PM



#40
Benzene
Concen: 49.067 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.1	27.1





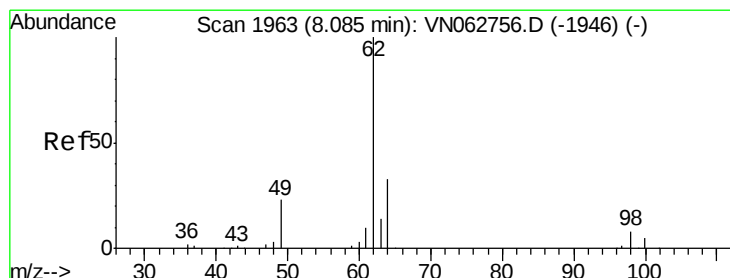
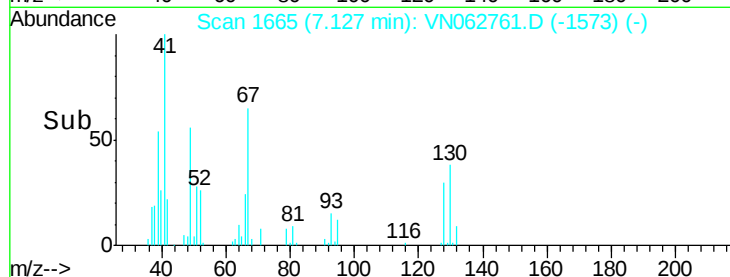
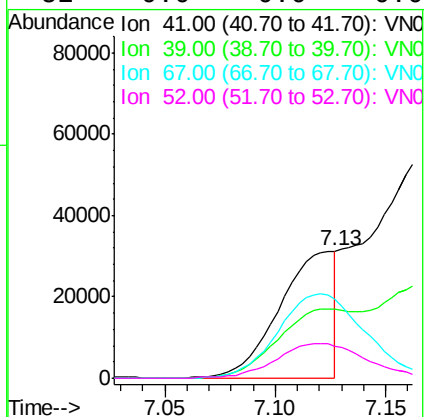
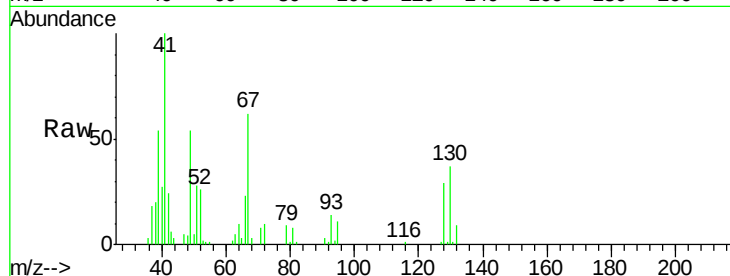
#41
Methacrylonitrile
Concen: 44.604 ug/l m
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

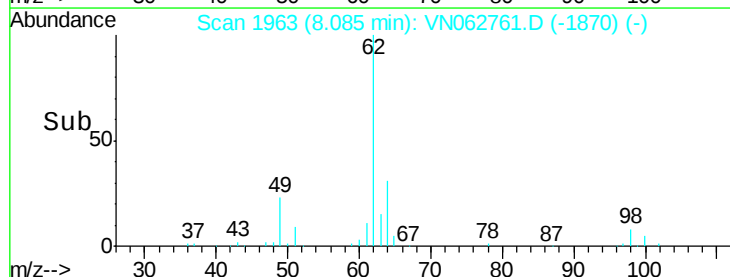
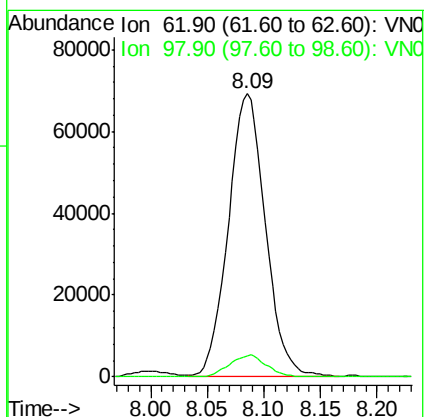
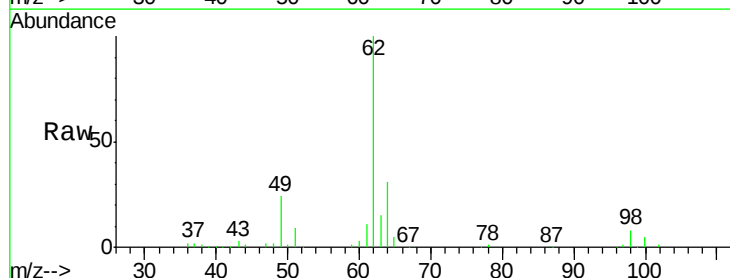
Manual Integrations
APPROVED

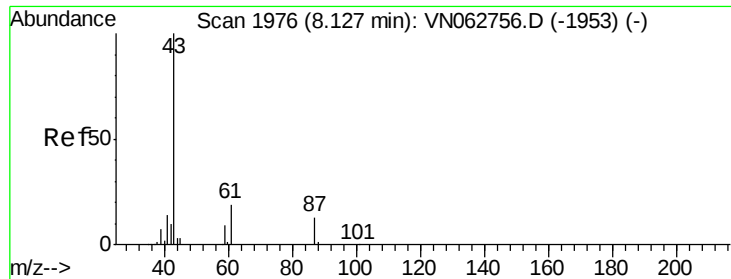
MMDadoda
8/7/2020 12:50:40 PM



#42
1,2-Dichloroethane
Concen: 47.120 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





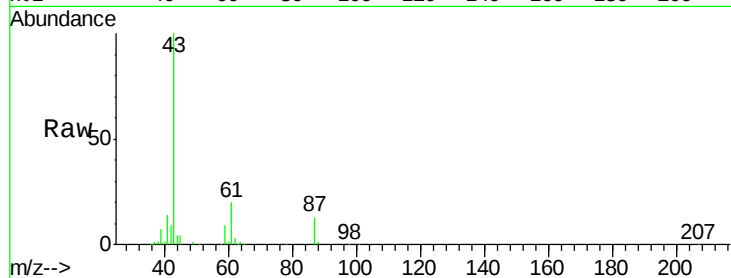
#43
Isopropyl Acetate
Concen: 49.812 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	15.8	23.6#
87	12.6	9.9	14.9

Manual Integrations
APPROVED

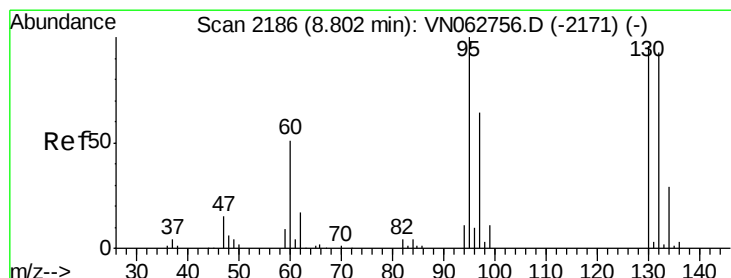
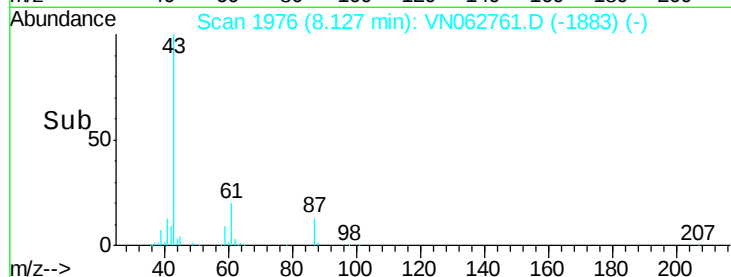
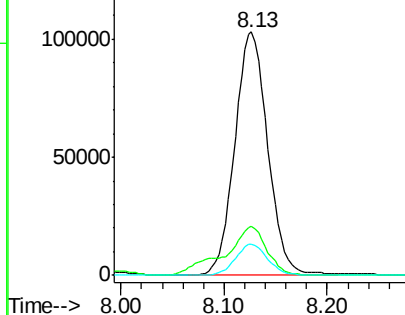
MMDadoda
8/7/2020 12:50:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VN062761.D (-1883) (-)

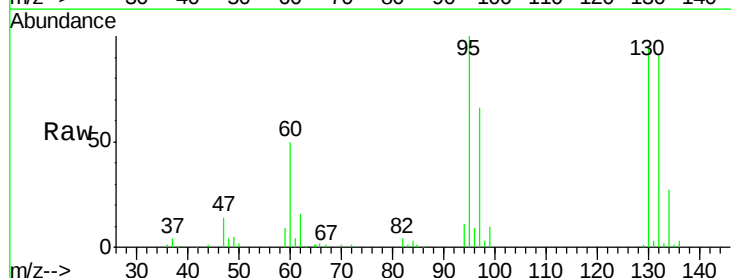
Ion 61.00 (60.70 to 61.70): VN062761.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062761.D (-1883) (-)



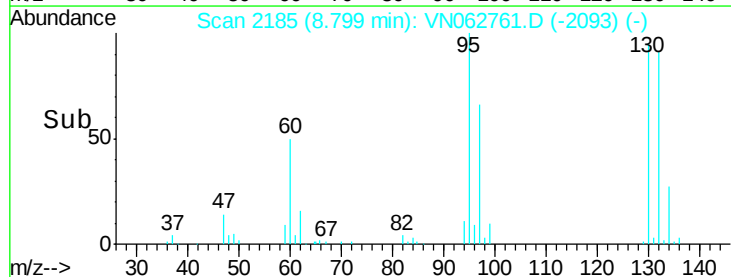
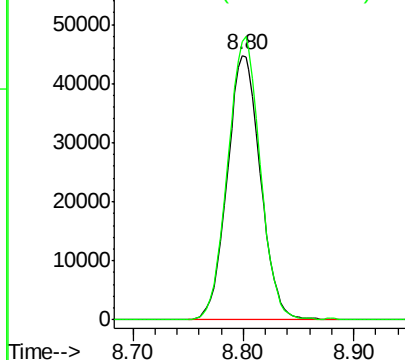
#44
Trichloroethene
Concen: 49.003 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

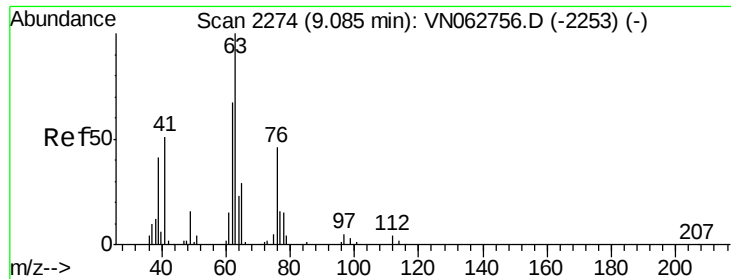
Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	207.6



Abundance Ion 129.80 (129.50 to 130.50): VN062761.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062761.D (-2093) (-)





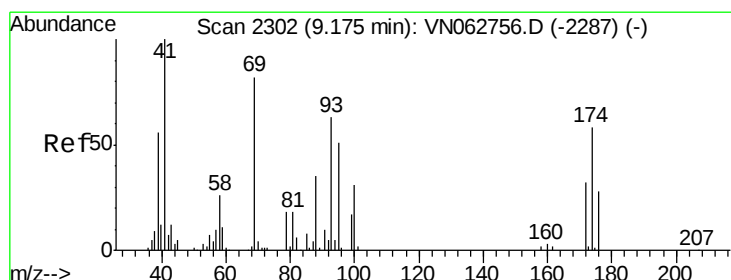
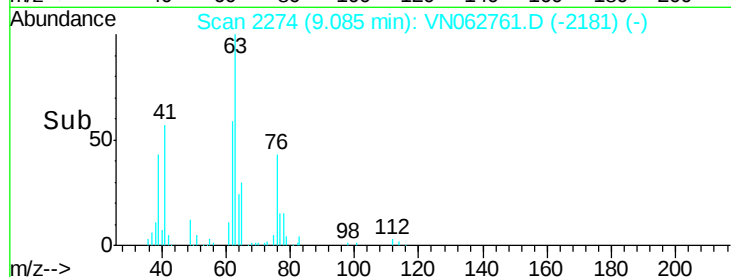
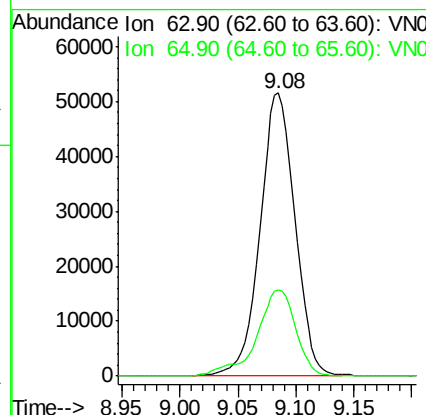
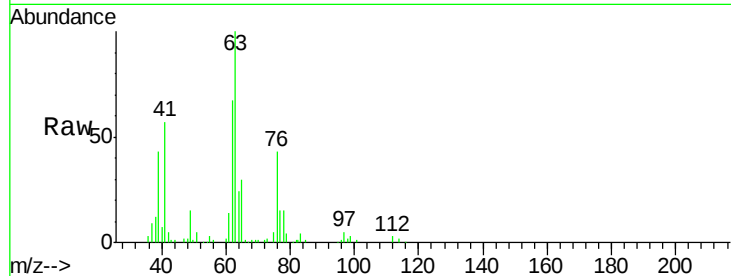
#45
 1,2-Dichloropropane
 Concen: 51.090 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	30.5		23.5	35.3

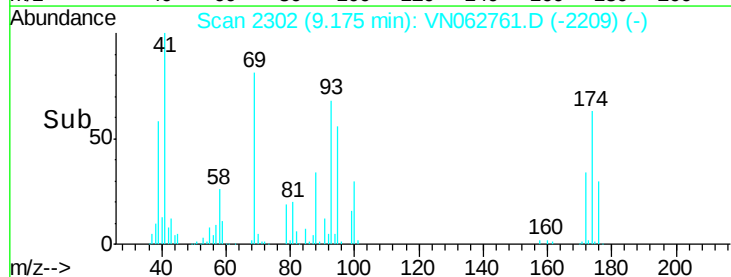
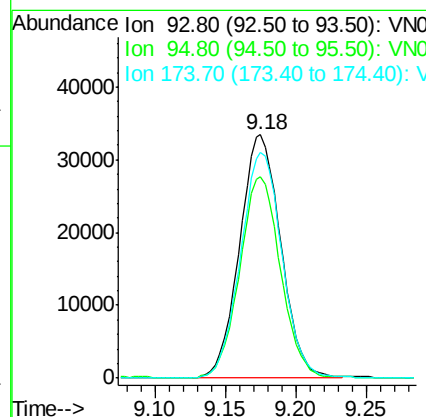
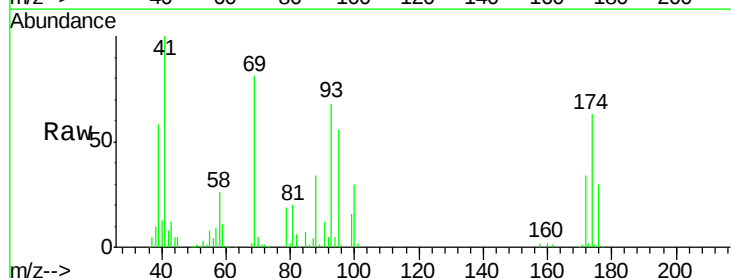
Manual Integrations
 APPROVED

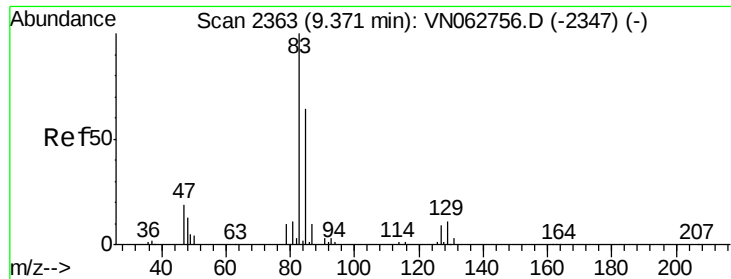
MMDadoda
 8/7/2020 12:50:40 PM



#46
 Dibromomethane
 Concen: 49.375 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	81.7		65.1	97.7
174	93.1		73.9	110.9





#47

Bromodichloromethane

Concen: 49.713 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

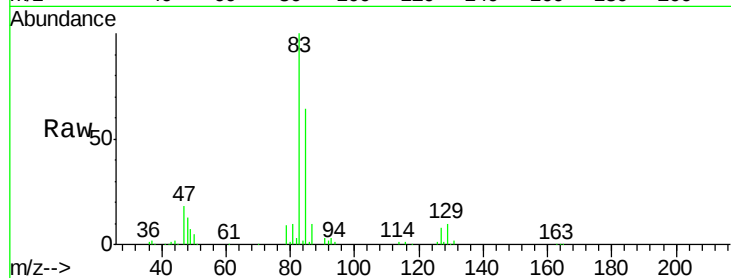
ClientSampleId :

VSTDCCC050

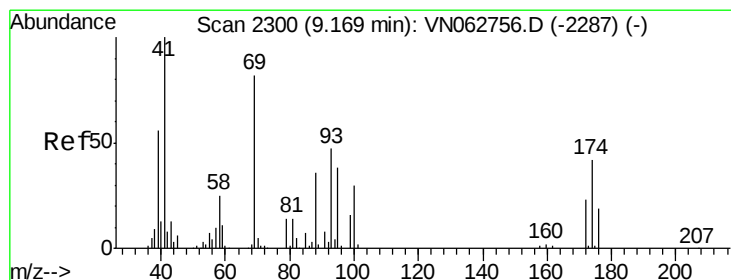
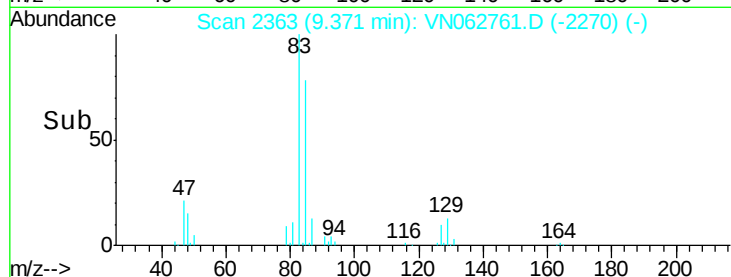
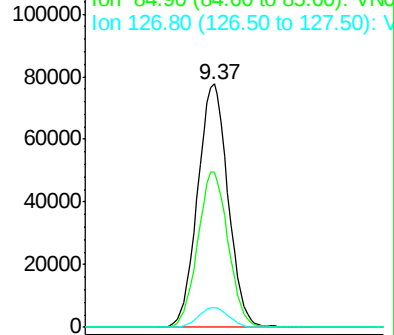
Tot Ion:	83	Resp:	154996
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.0
127	8.2	6.9	10.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN062761.D (-2270) (-)



#48

Methyl methacrylate

Concen: 51.092 ug/l

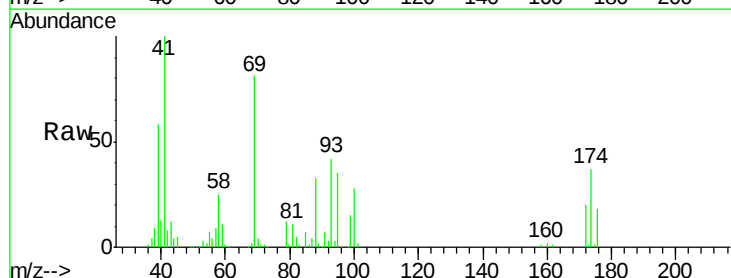
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

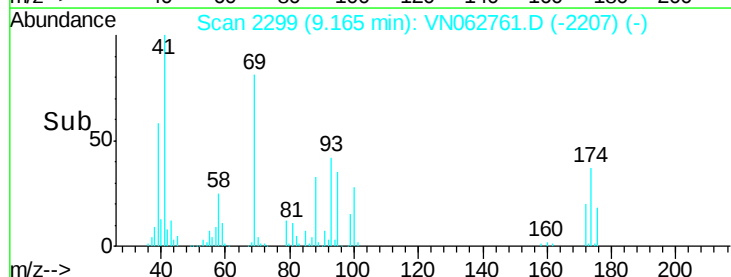
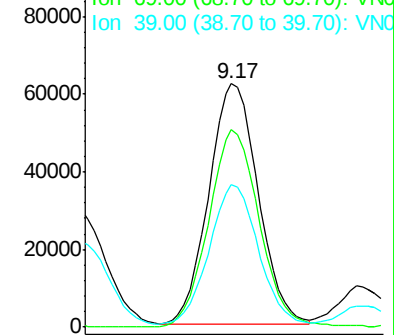
Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Tgt Ion:	41	Resp:	114867
Ion	Ratio	Lower	Upper
41	100		
69	84.5	67.4	101.2
39	57.8	47.6	71.4



Abundance Ion 41.00 (40.70 to 41.70): VN062761.D (-2207) (-)





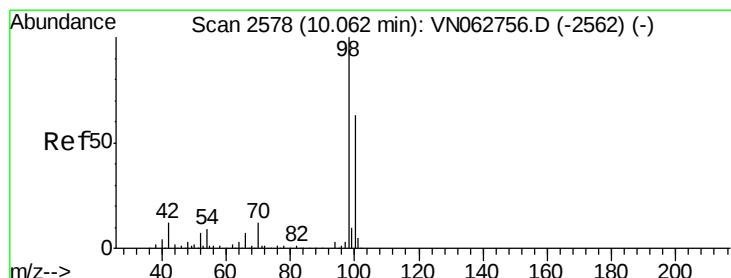
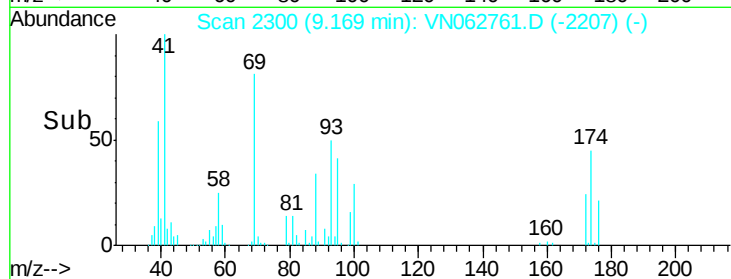
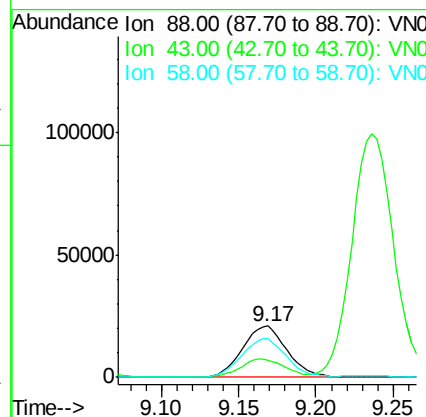
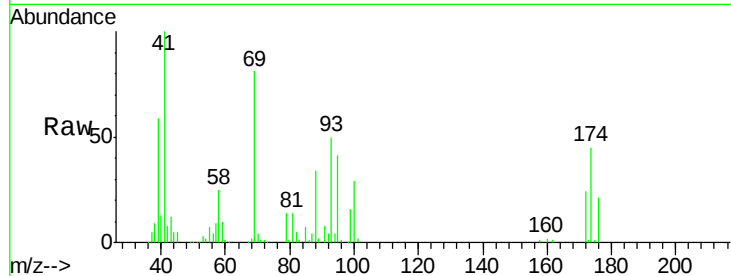
#49
1,4-Dioxane
Concen: 1010.025 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.7	29.5	44.3	
58	75.3	59.8	89.8	

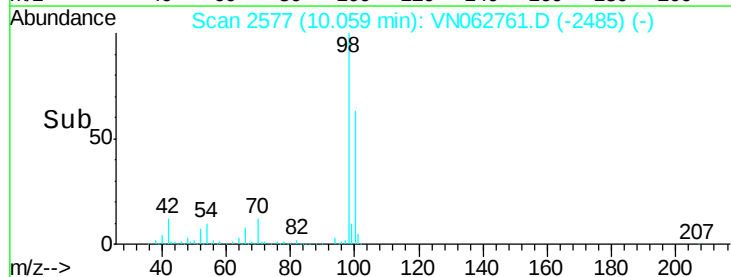
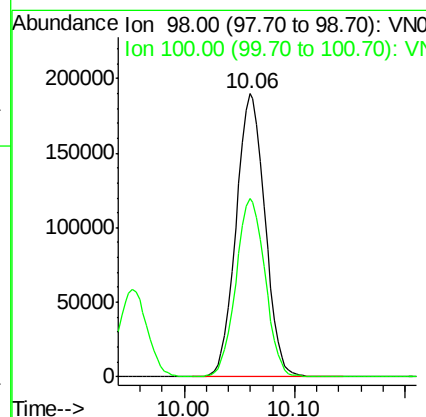
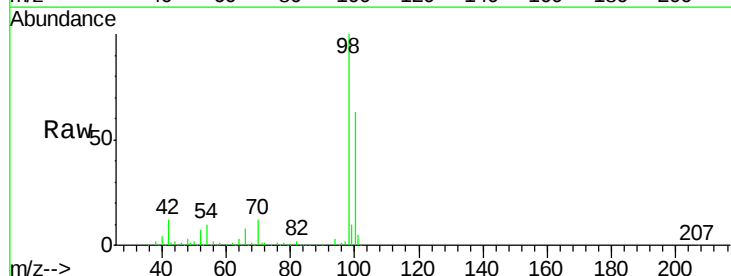
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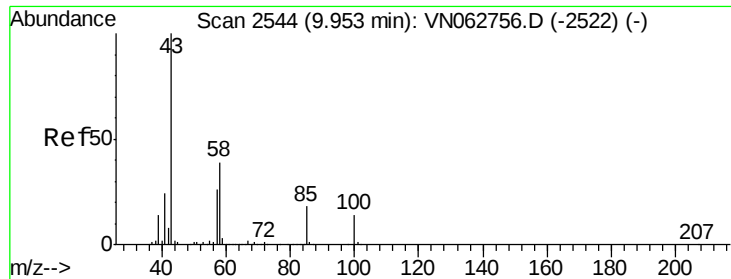
MMDadoda
8/7/2020 12:50:40 PM



#50
Toluene-d8
Concen: 47.939 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.5	50.9	76.3	





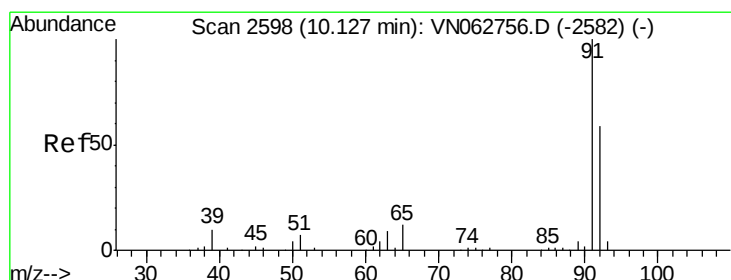
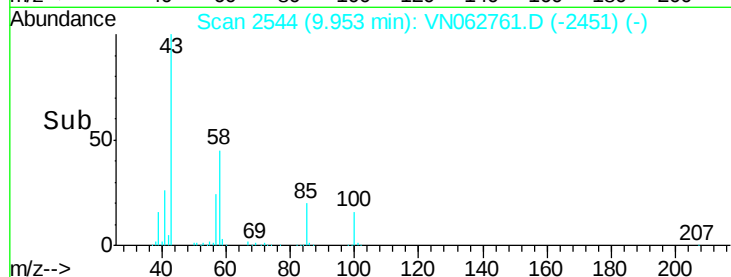
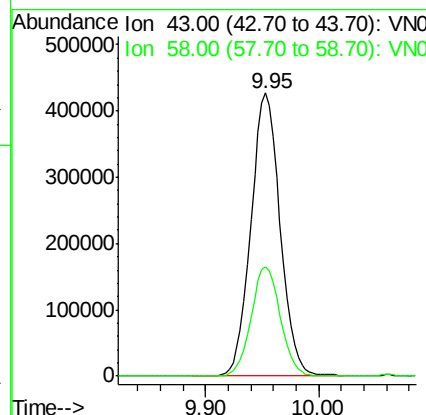
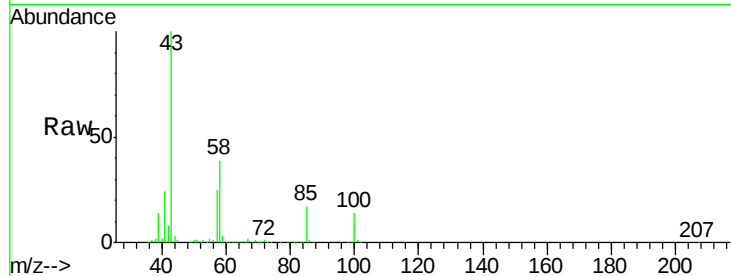
#51
4-Methyl-2-Pentanone
Concen: 258.686 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	765036
Ion Ratio	100	Lower	Upper
43	100		
58	38.8	31.1	46.7

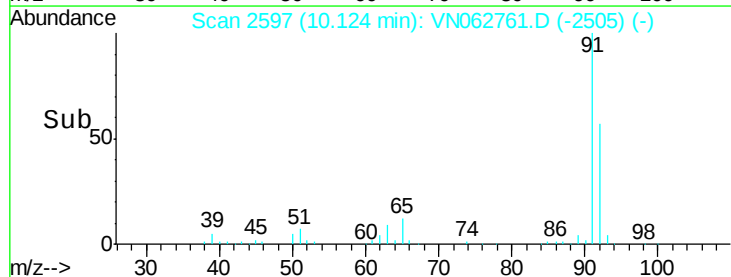
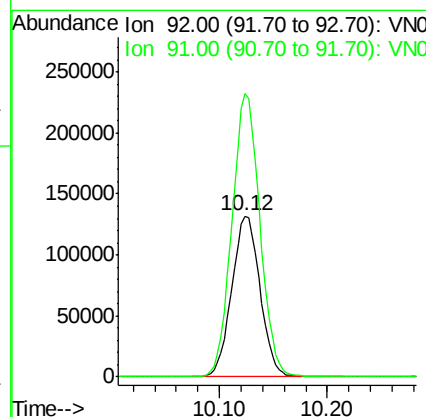
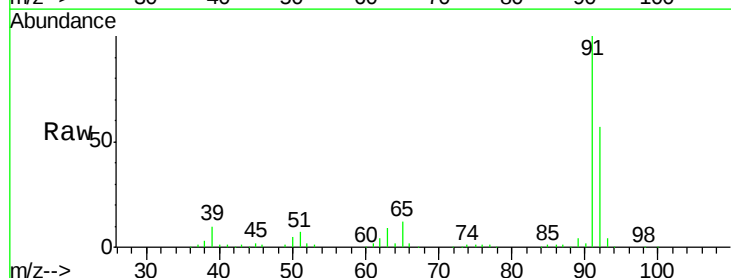
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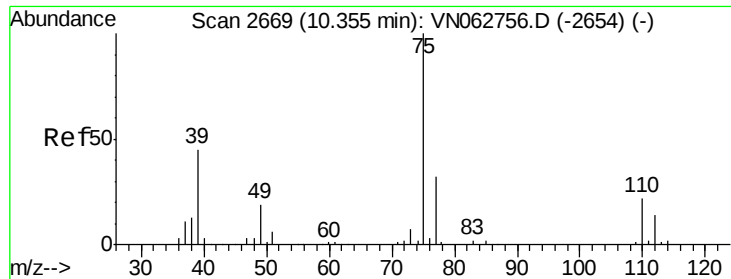
MMDadoda
8/7/2020 12:50:40 PM



#52
Toluene
Concen: 49.866 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	92	Resp	241016
Ion Ratio	100	Lower	Upper
92	100		
91	174.2	138.9	208.3





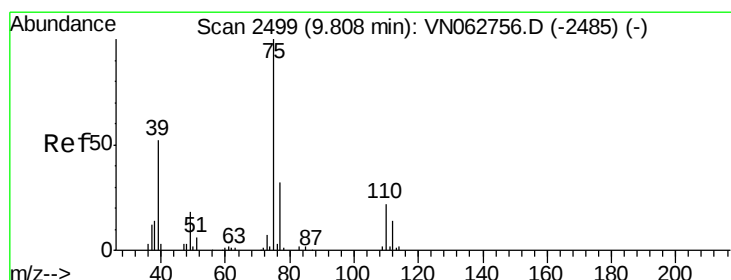
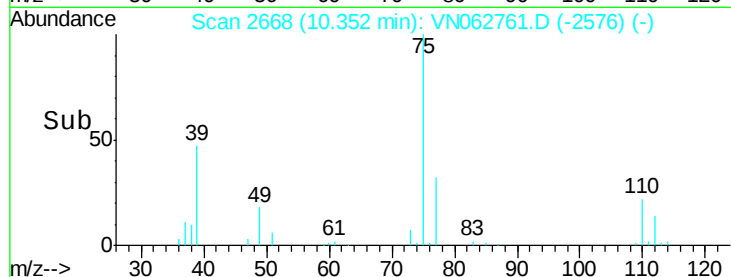
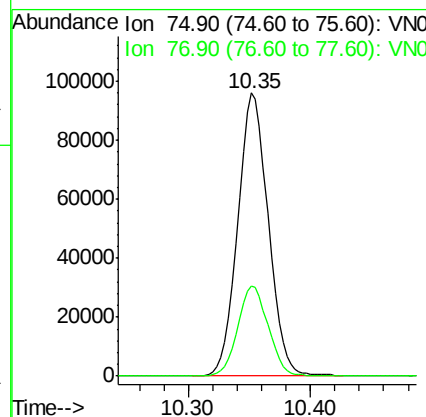
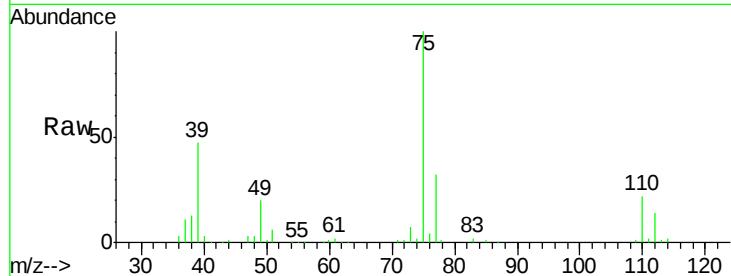
#53
t-1,3-Dichloropropene
Concen: 48.669 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 166912
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

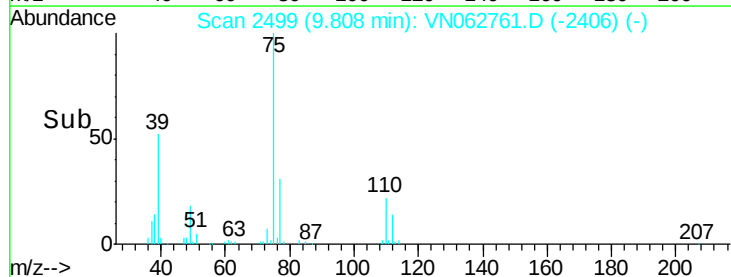
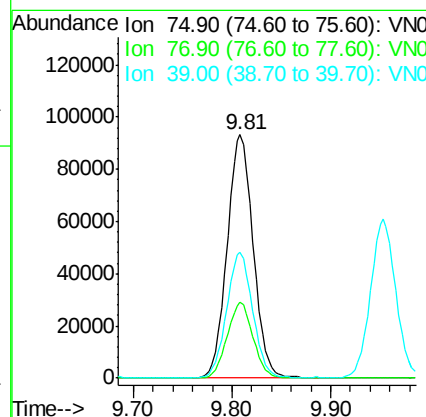
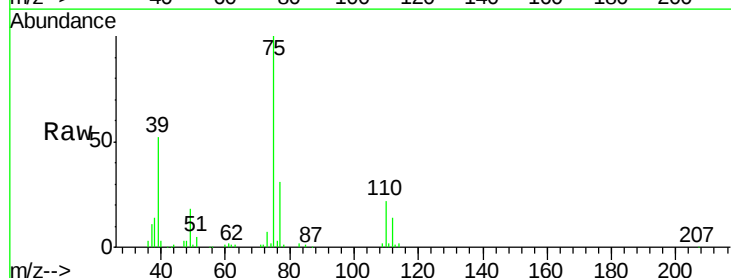
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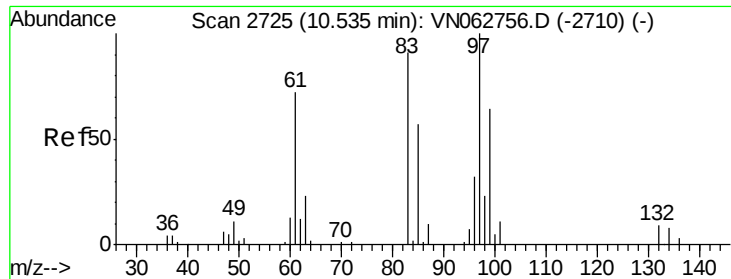
MMDadoda
8/7/2020 12:50:40 PM



#54
cis-1,3-Dichloropropene
Concen: 50.257 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion: 75 Resp: 173050
Ion Ratio Lower Upper
75 100
77 31.0 25.5 38.3
39 51.9 41.9 62.9





#55

1,1,2-Trichloroethane

Concen: 48.849 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 100838

Ion Ratio Lower Upper

97 100

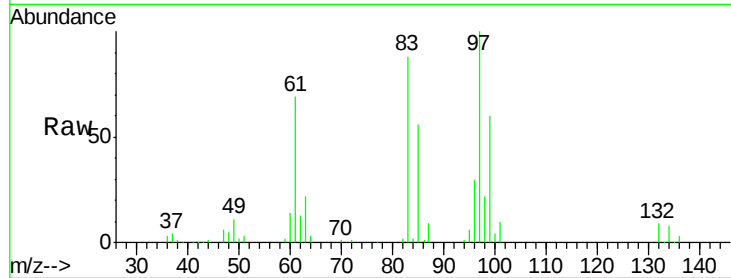
83 88.0 72.6 108.8

85 55.8 46.0 69.0

99 60.5 51.1 76.7

Manual Integrations
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MMDadoda
8/7/2020 12:50:40 PM

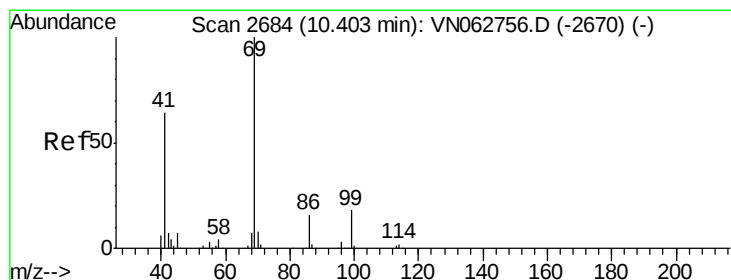
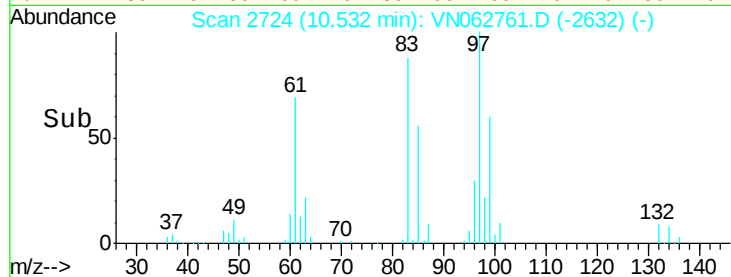
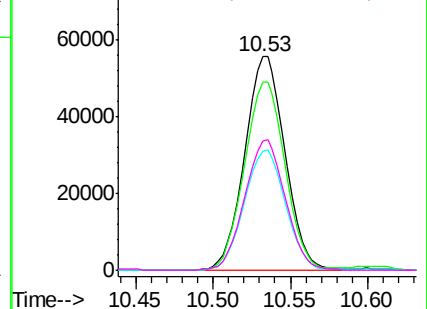


Abundance Ion 96.90 (96.60 to 97.60): VN062756.D (-2710) (-)

Ion 82.90 (82.60 to 83.60): VN062756.D (-2710) (-)

Ion 84.90 (84.60 to 85.60): VN062756.D (-2710) (-)

Ion 98.90 (98.60 to 99.60): VN062756.D (-2710) (-)



#56

Ethyl methacrylate

Concen: 52.080 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

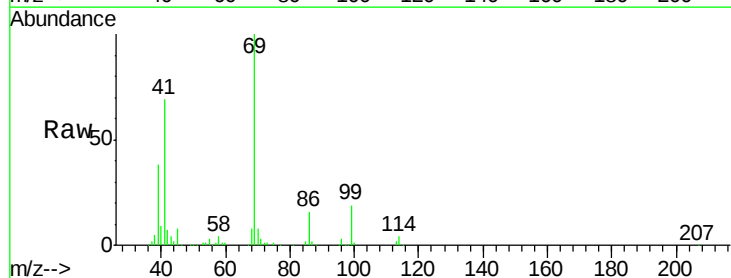
Tgt Ion: 69 Resp: 161819

Ion Ratio Lower Upper

69 100

41 68.4 52.2 78.2

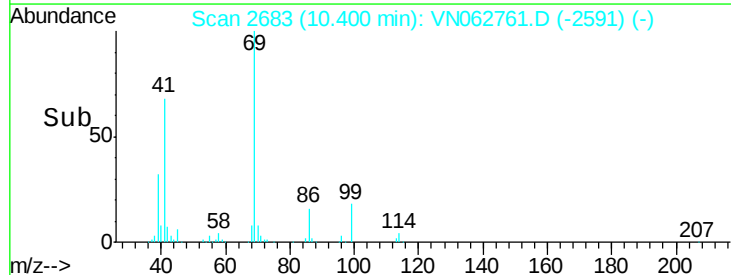
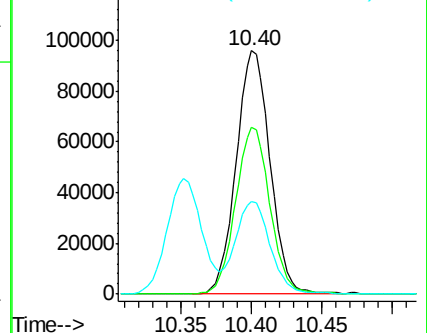
39 39.1 30.9 46.3

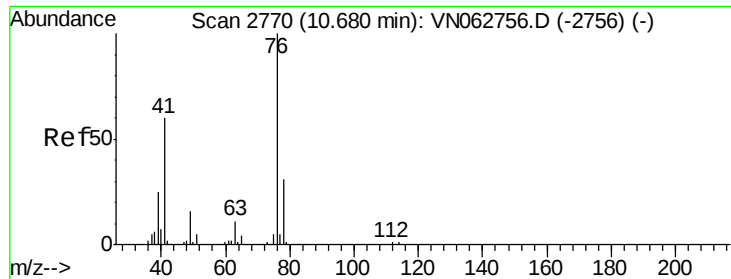


Abundance Ion 69.00 (68.70 to 69.70): VN062756.D (-2670) (-)

Ion 41.00 (40.70 to 41.70): VN062756.D (-2670) (-)

Ion 39.00 (38.70 to 39.70): VN062756.D (-2670) (-)





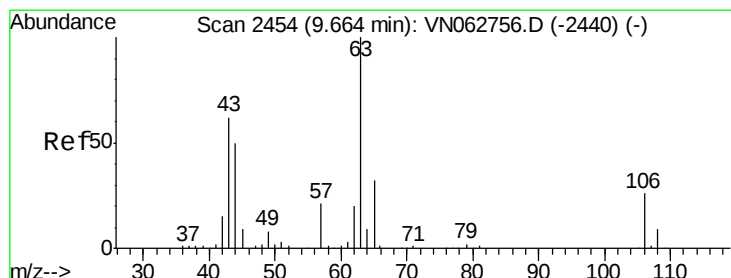
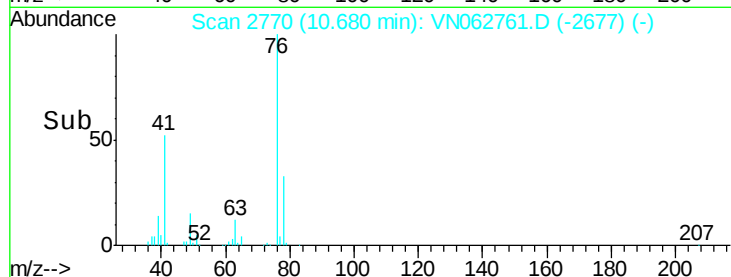
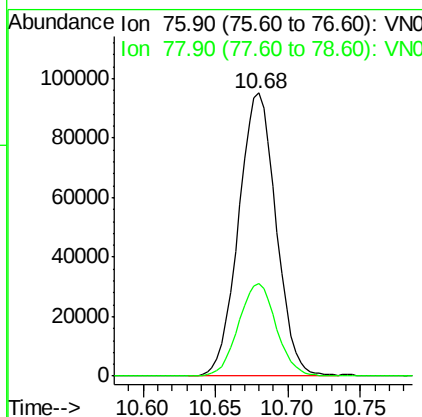
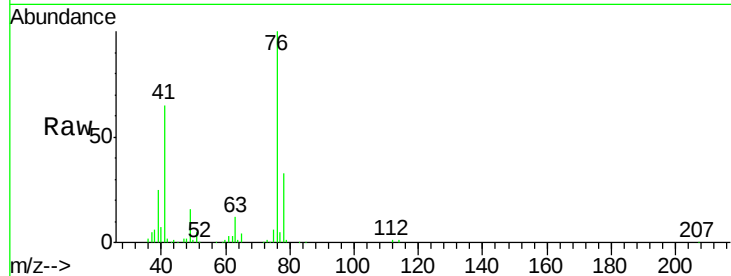
#57
 1,3-Dichloropropane
 Concen: 48.829 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 171266
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.4 38.0

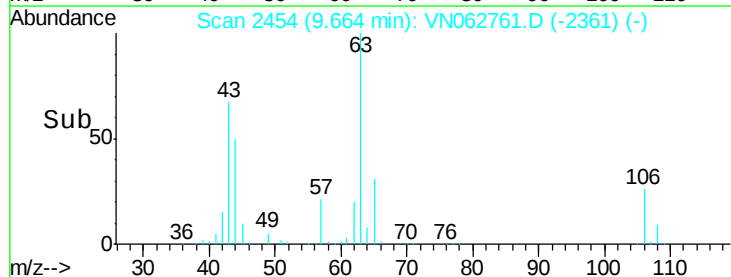
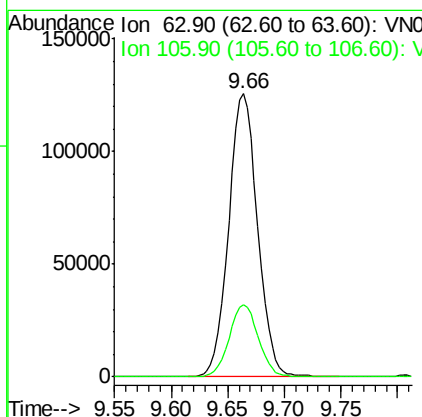
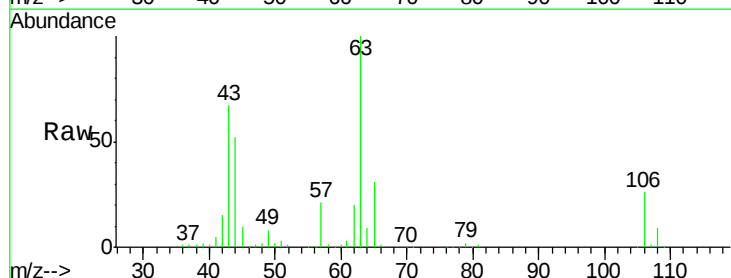
Manual Integrations
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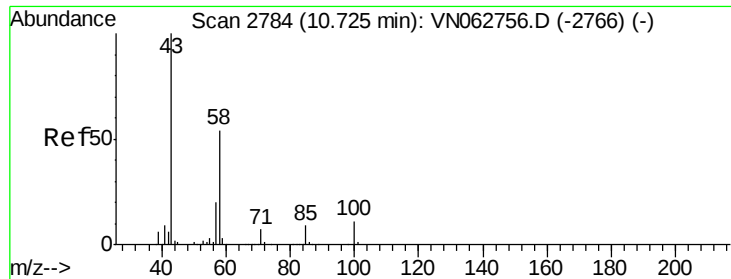
MMDadoda
 8/7/2020 12:50:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.316 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Tgt Ion: 63 Resp: 223359
 Ion Ratio Lower Upper
 63 100
 106 25.8 20.9 31.3





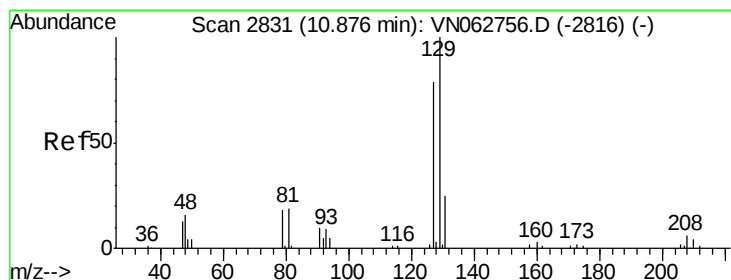
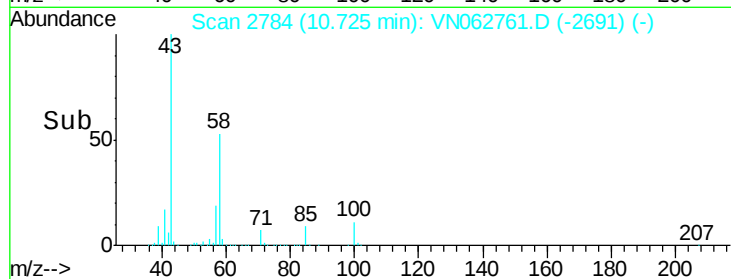
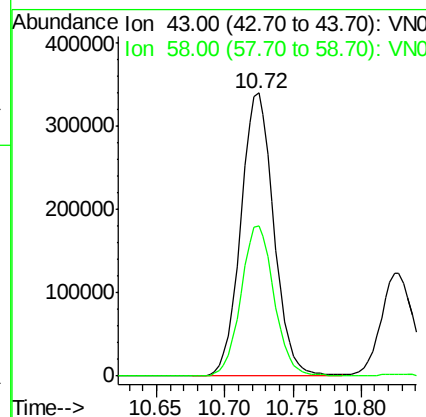
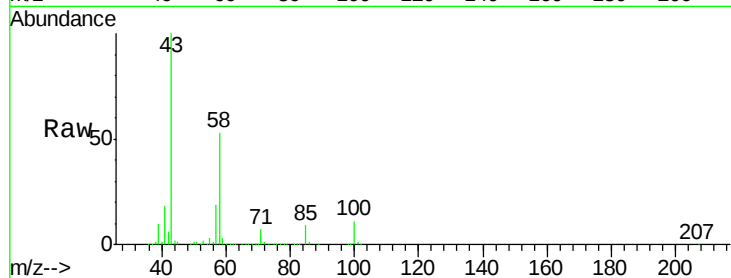
#59
2-Hexanone
Concen: 258.808 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	570941
Ion Ratio	100	Lower	Upper
43	100		
58	53.4	26.7	80.1

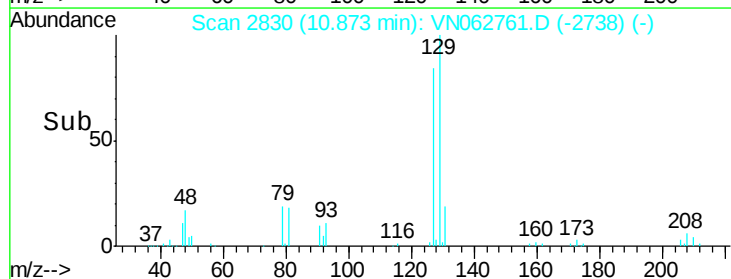
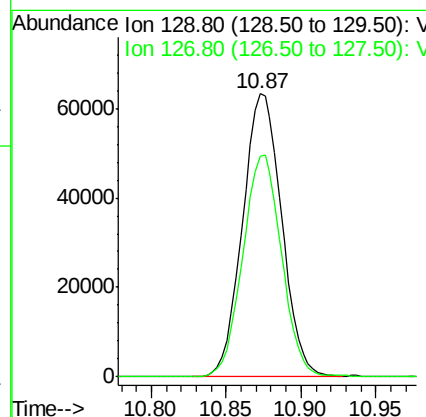
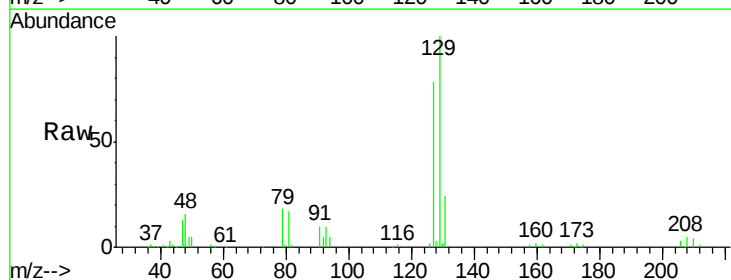
Manual Integrations
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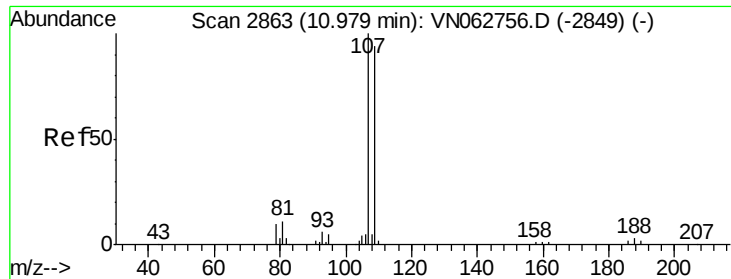
MMDadoda
8/7/2020 12:50:40 PM



#60
Dibromochloromethane
Concen: 48.998 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	129	Resp	115425
Ion Ratio	100	Lower	Upper
129	100		
127	77.6	39.1	117.2





#61

1,2-Dibromoethane

Concen: 49.627 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 101087

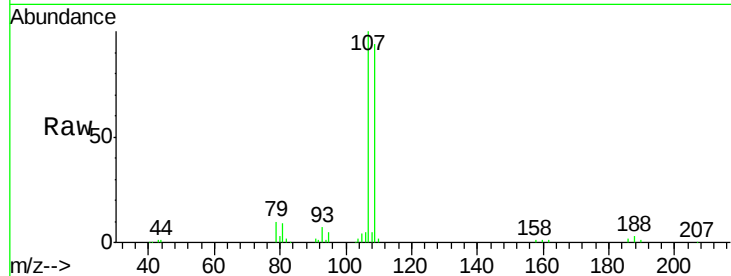
Ion Ratio Lower Upper

107 100

109 93.5 76.1 114.1

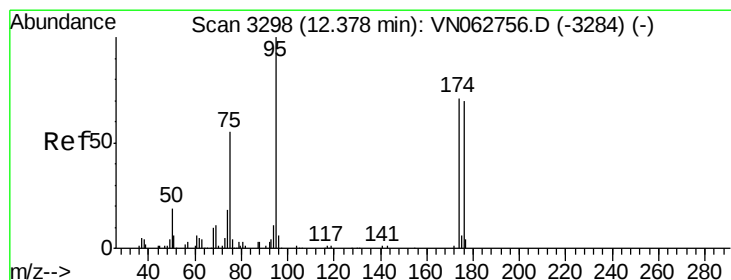
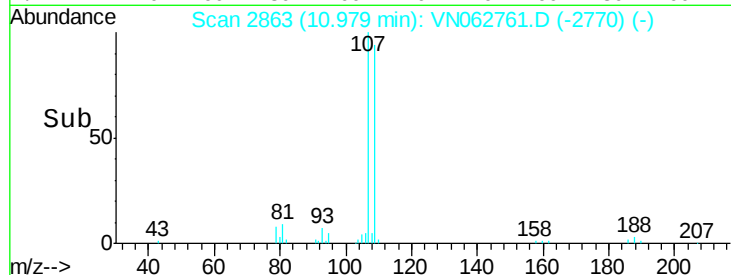
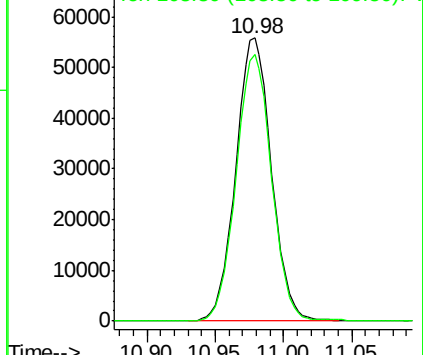
Manual Integrations
APPROVED

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8/7/2020 12:50:40 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.202 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

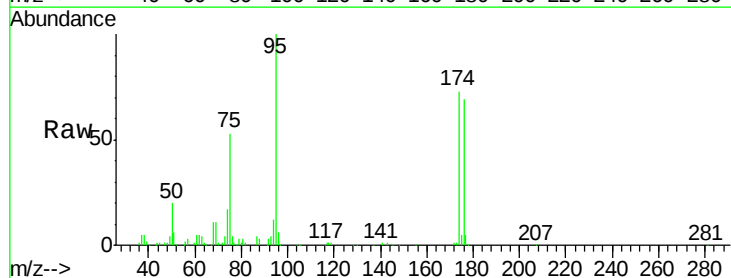
Tgt Ion: 95 Resp: 133781

Ion Ratio Lower Upper

95 100

174 72.6 0.0 144.8

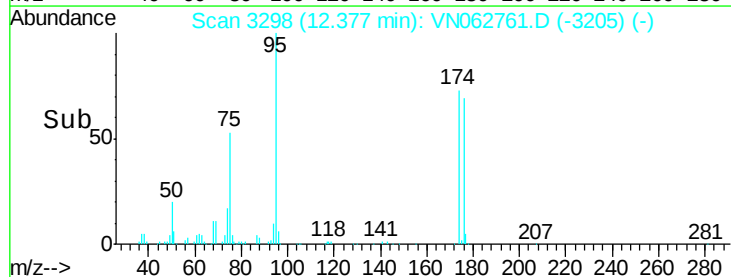
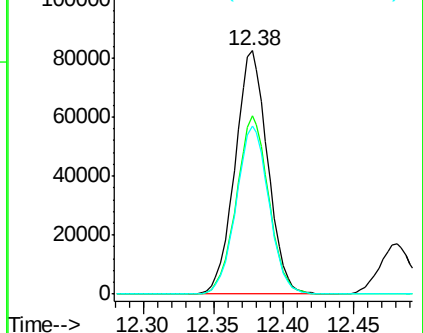
176 69.1 0.0 142.2

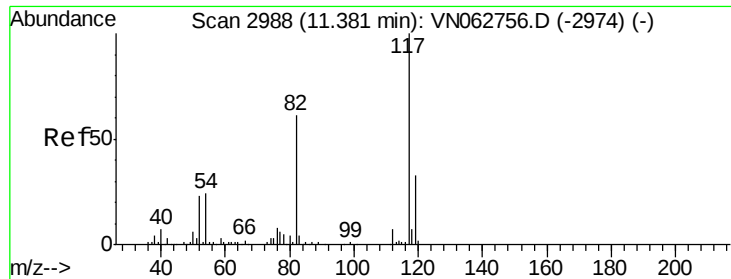


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





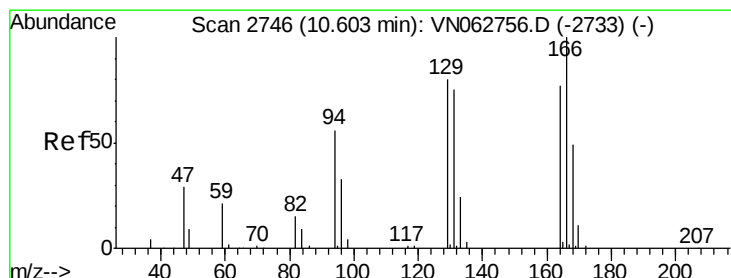
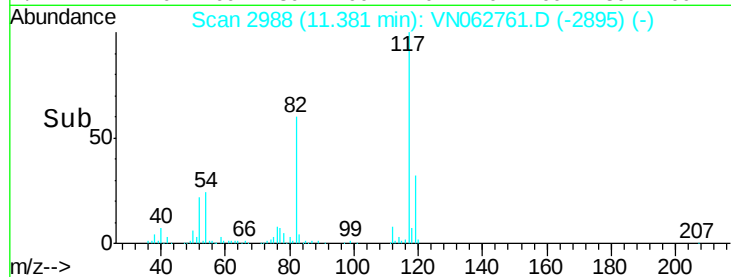
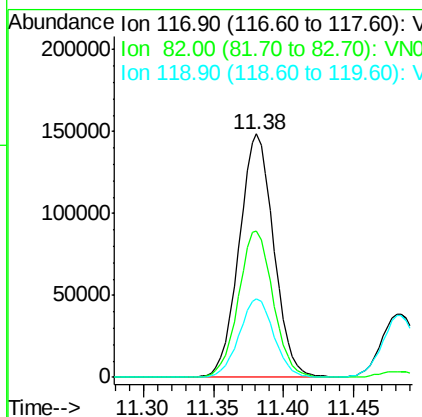
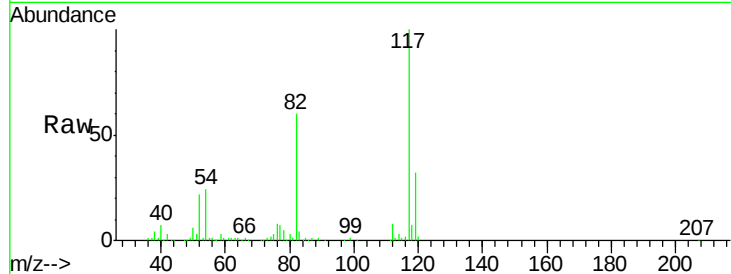
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	254870		
82	60.2	49.0	73.4	
119	32.4	26.2	39.2	

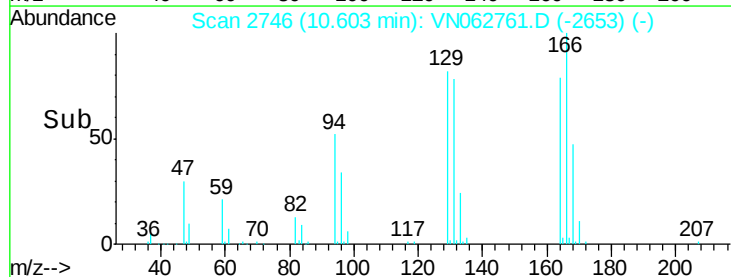
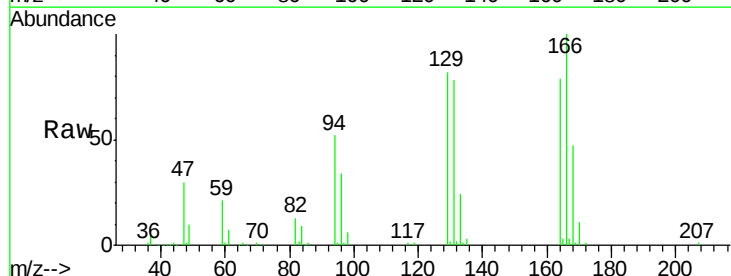
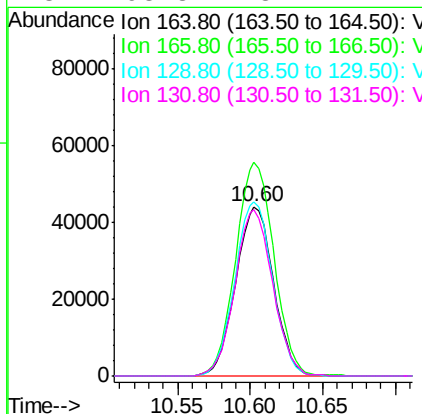
Manual Integrations
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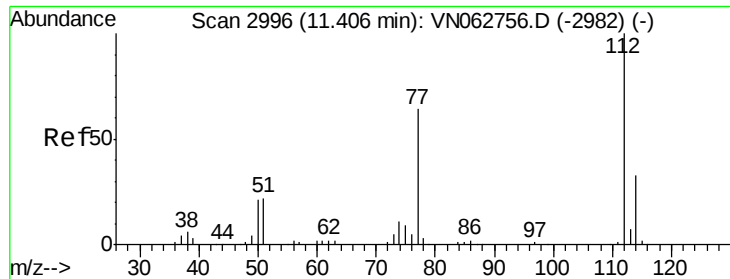
MMDadoda
8/7/2020 12:50:40 PM



#64
Tetrachloroethene
Concen: 48.713 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80107		
166	126.2	103.8	155.8	
129	102.9	82.7	124.1	
131	98.3	78.2	117.2	





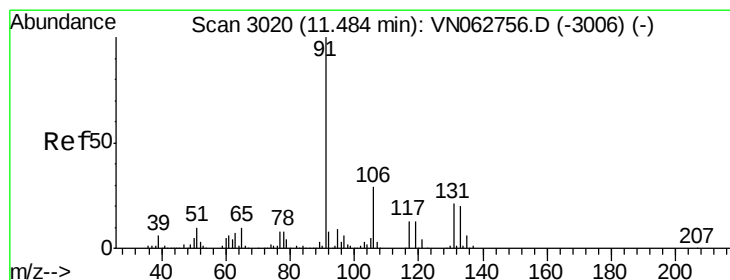
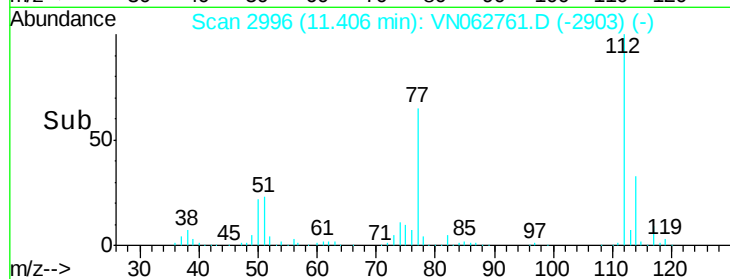
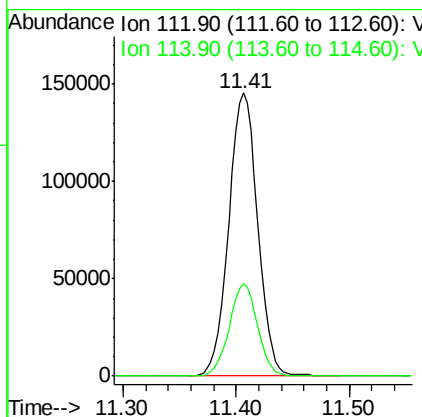
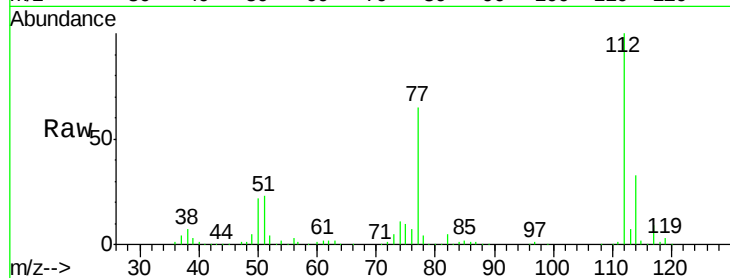
#65
Chlorobenzene
Concen: 48.509 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 258442
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4

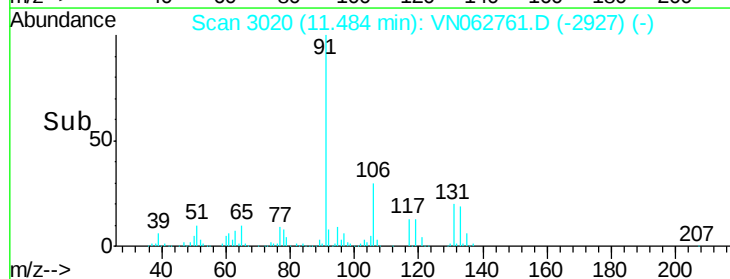
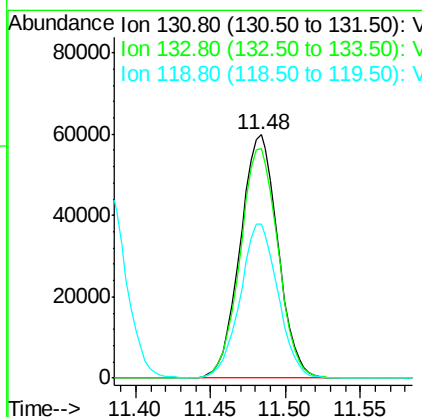
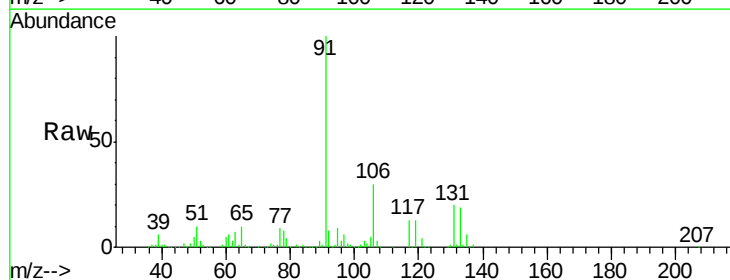
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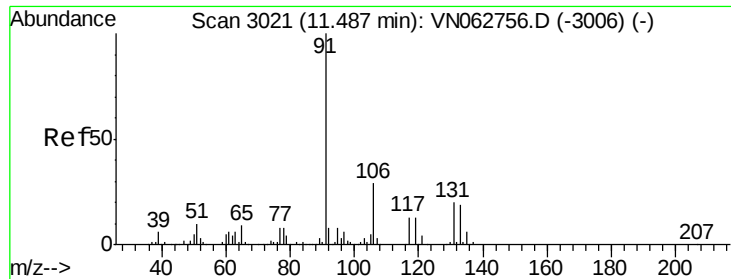
MMDadoda
8/7/2020 12:50:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.053 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion:131 Resp: 104949
Ion Ratio Lower Upper
131 100
133 94.8 48.6 145.8
119 63.3 32.2 96.6





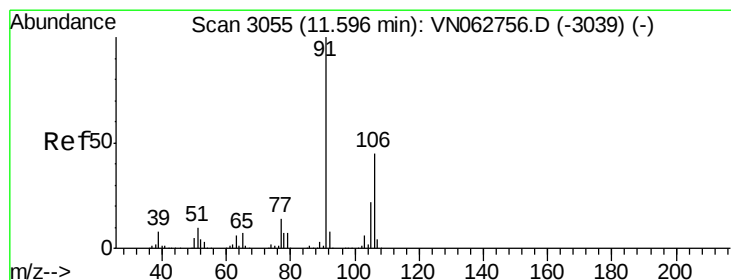
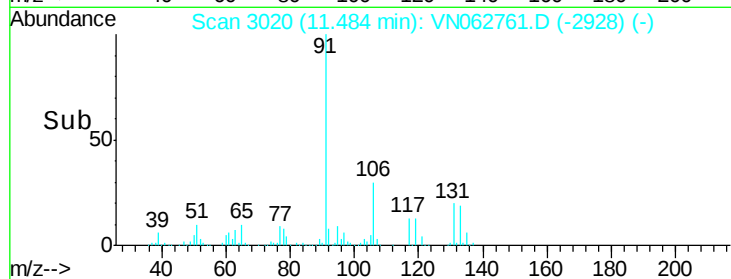
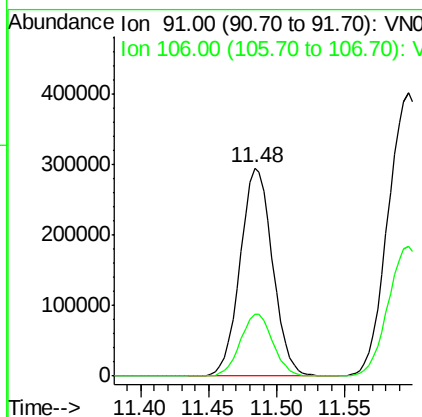
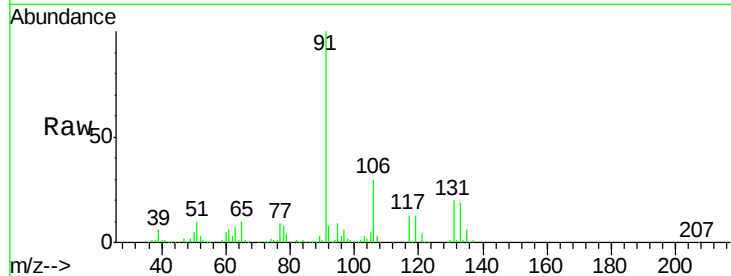
#67
Ethyl Benzene
Concen: 51.107 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	91	Resp	487248
Ion Ratio	Lower	Upper	
91	100		
106	29.9	23.2	34.8

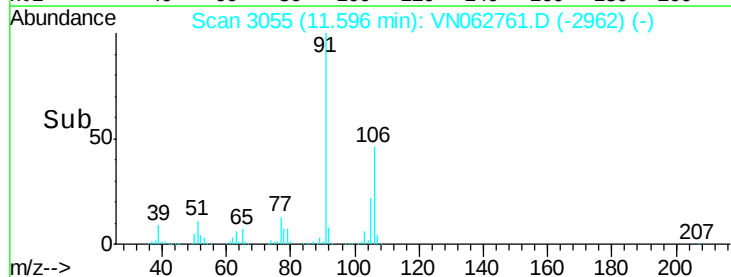
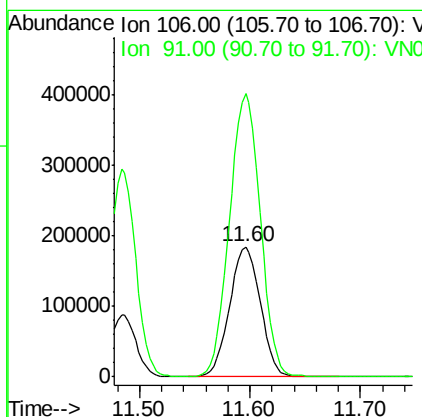
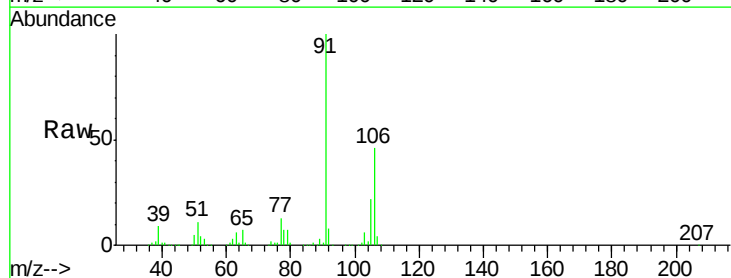
Manual Integrations
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8/7/2020 12:50:40 PM



#68
m/p-Xylenes
Concen: 102.978 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	106	Resp	356390
Ion Ratio	Lower	Upper	
106	100		
91	218.4	175.9	263.9





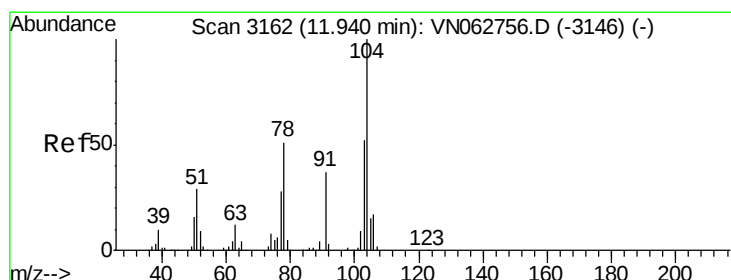
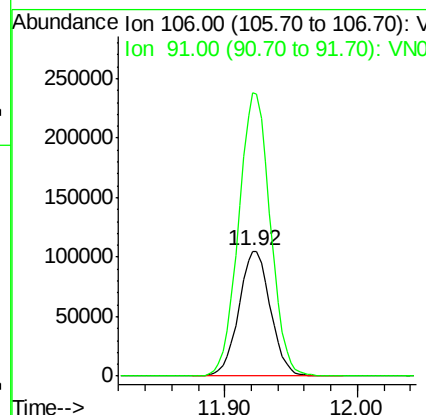
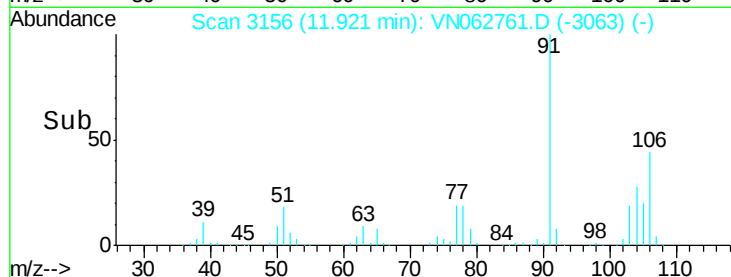
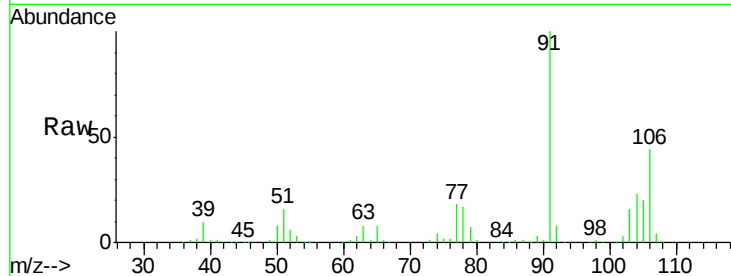
#69
o-Xylene
Concen: 53.400 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 173190
Ion Ratio Lower Upper
106 100
91 227.8 115.8 347.4

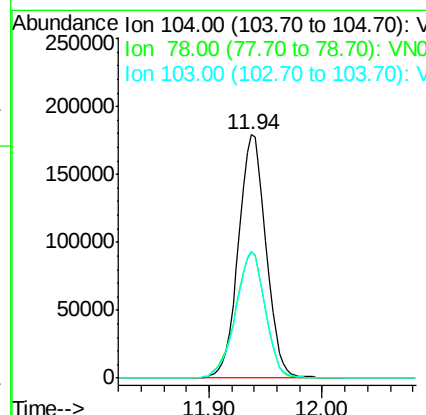
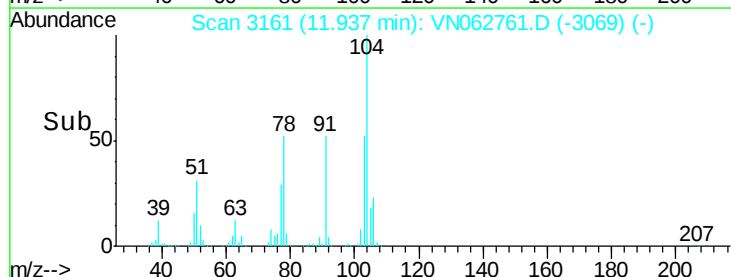
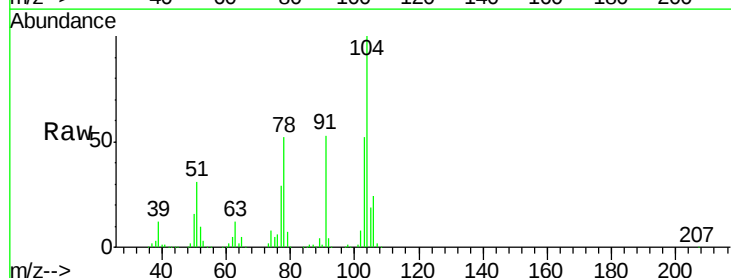
Manual Integrations
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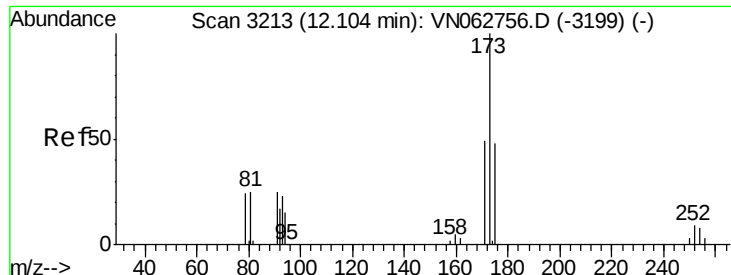
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#70
Styrene
Concen: 53.585 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion:104 Resp: 305480
Ion Ratio Lower Upper
104 100
78 56.0 45.9 68.9
103 55.5 45.1 67.7





#71

Bromoform

Concen: 47.313 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 82823

Ion Ratio Lower Upper

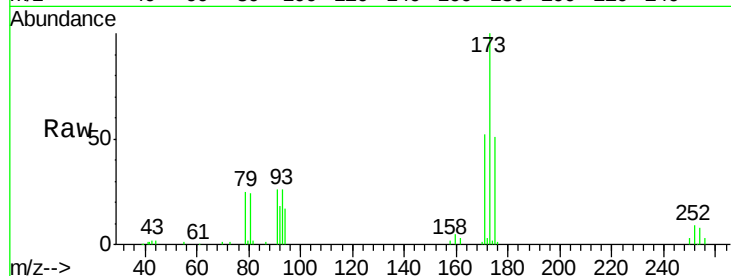
173 100

175 49.9 24.0 72.0

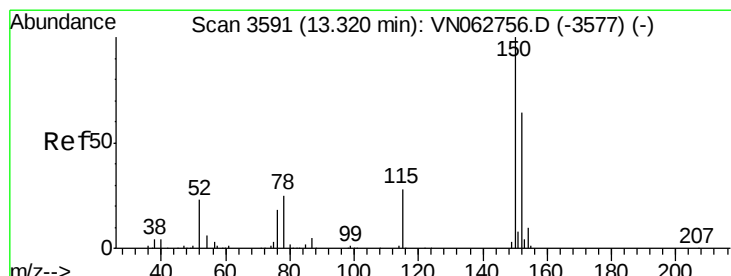
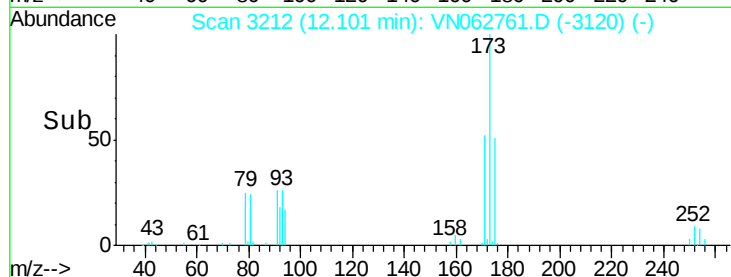
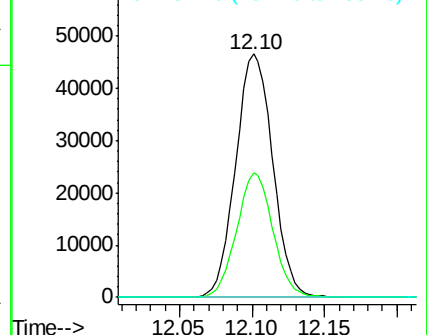
254 0.0 0.0 0.0

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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# 3591

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

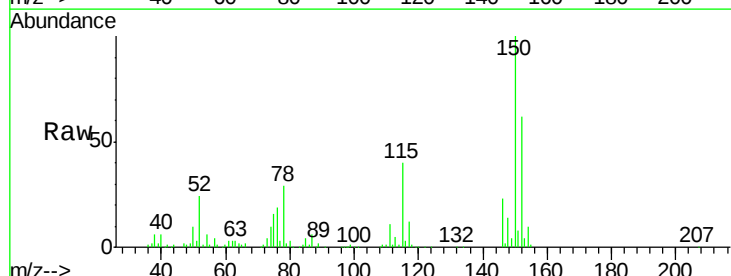
Tgt Ion:152 Resp: 125183

Ion Ratio Lower Upper

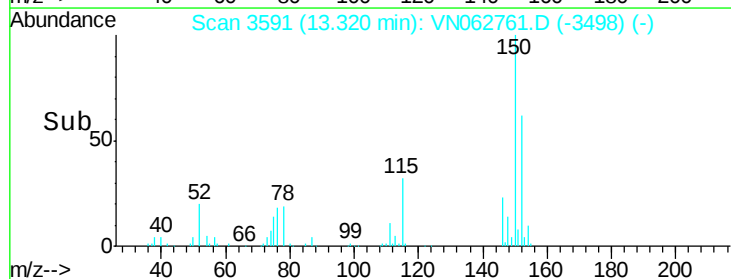
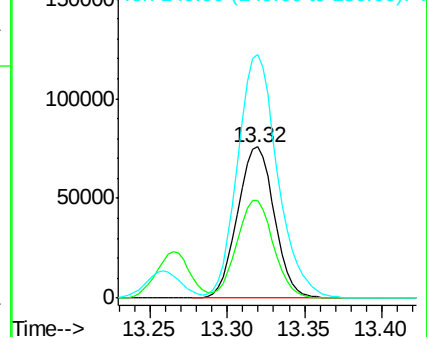
152 100

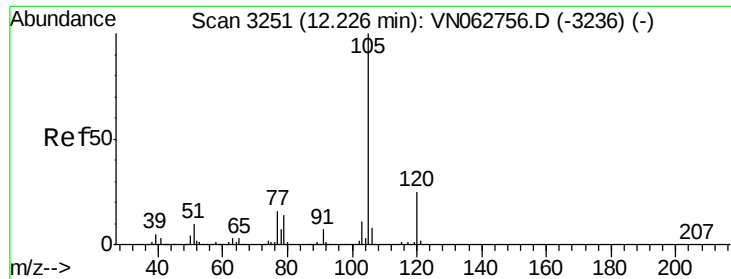
115 63.8 31.6 94.8

150 175.2 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





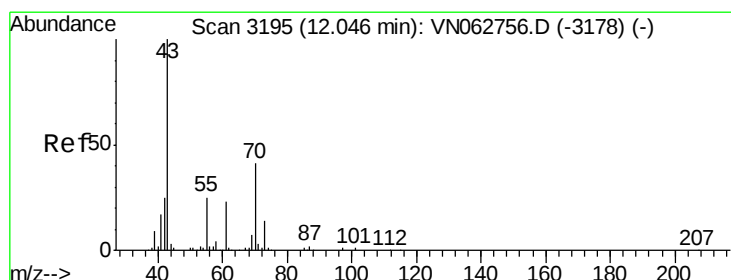
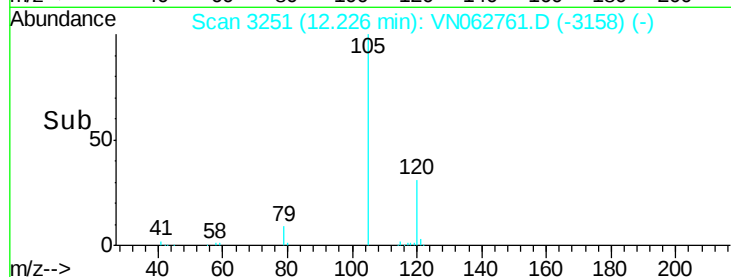
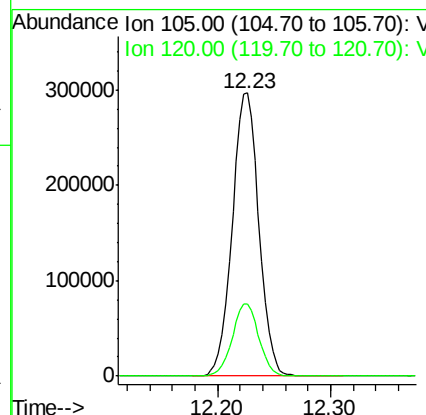
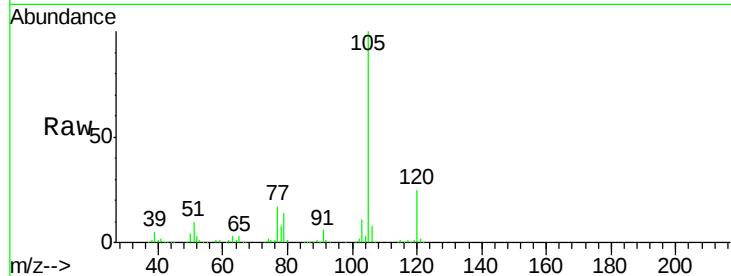
#73
Isopropylbenzene
Concen: 51.380 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.6	37.8

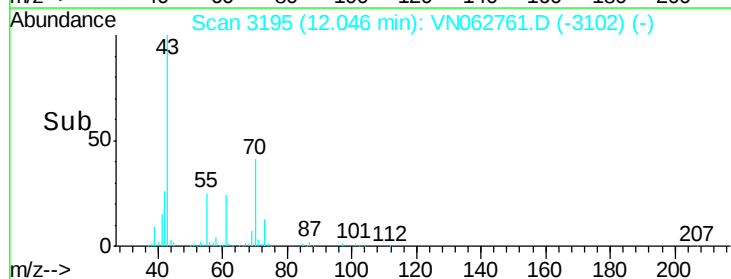
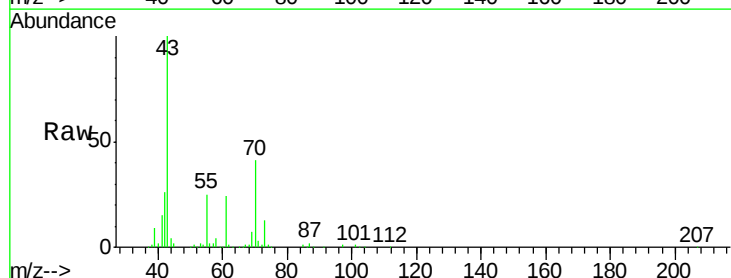
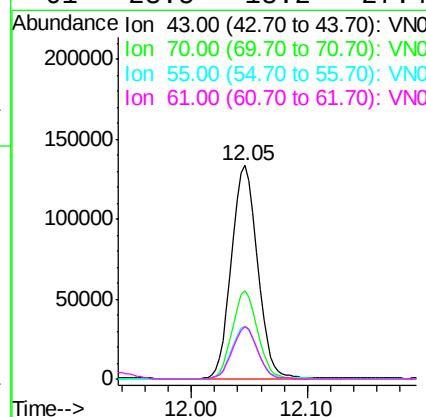
Manual Integrations
APPROVED

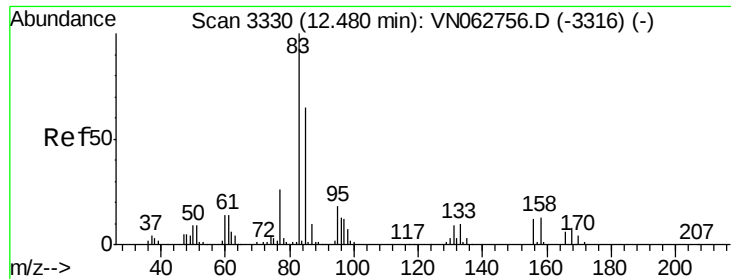
MMDadoda
8/7/2020 12:50:40 PM



#74
N-ethyl acetate
Concen: 54.531 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.3	48.5
55	24.7	20.2	30.2
61	23.5	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.700 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

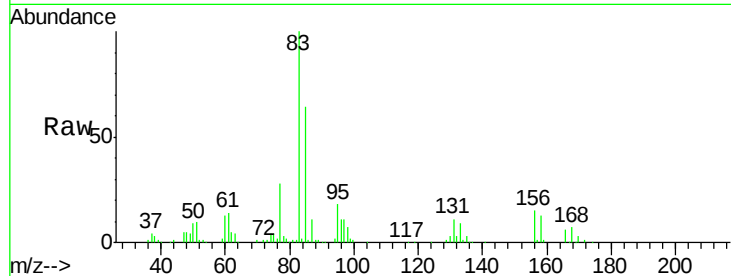
ClientSampleId :

VSTDCCC050

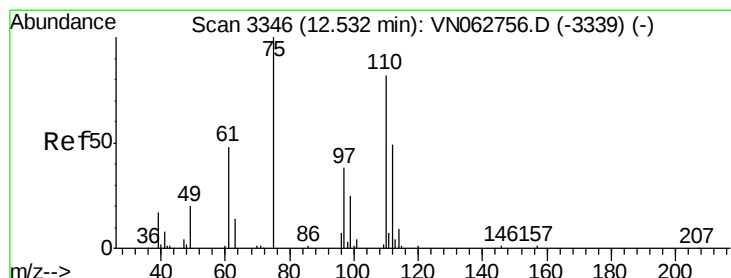
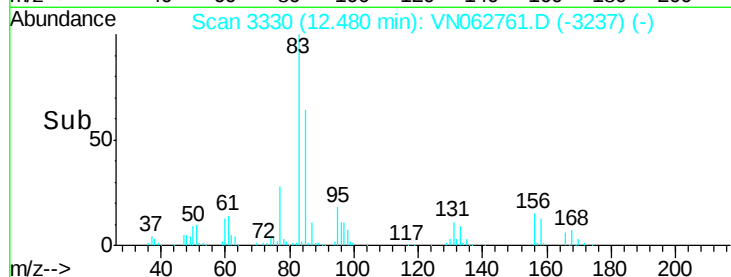
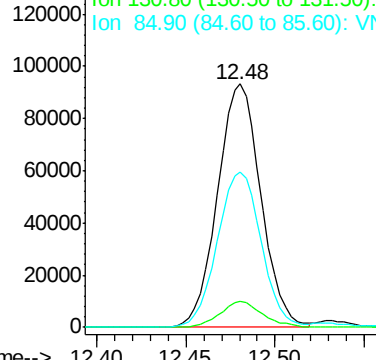
Tot Ion:	83	Resp:	158283
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.4
85	64.6	31.9	95.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN062761.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 46.448 ug/l m

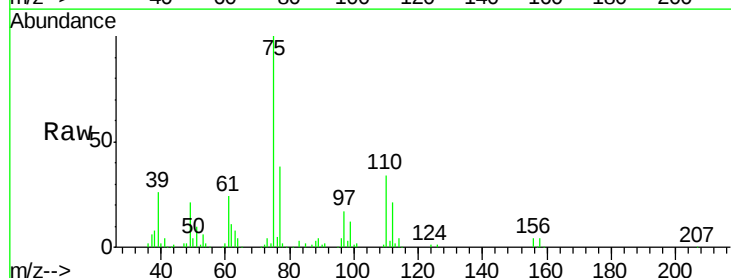
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

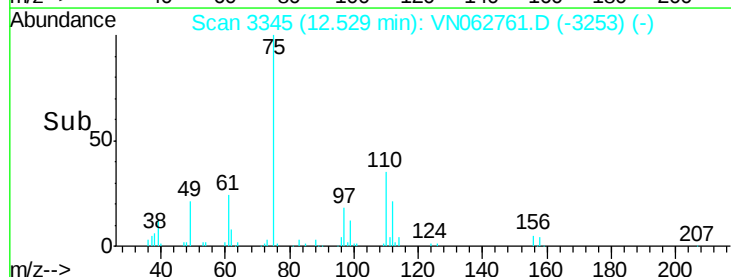
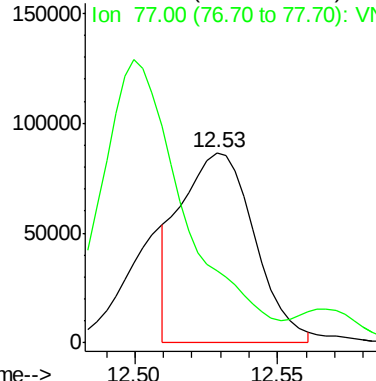
Lab File: VN062761.D

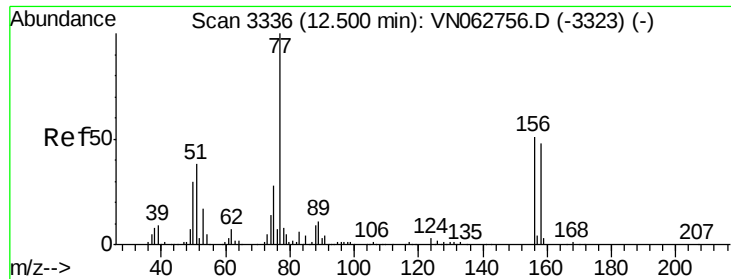
Acq: 6 Aug 2020 12:37

Tgt Ion:	75	Resp:	156811
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062761.D (-3253) (-)





#77

Bromobenzene

Concen: 48.433 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

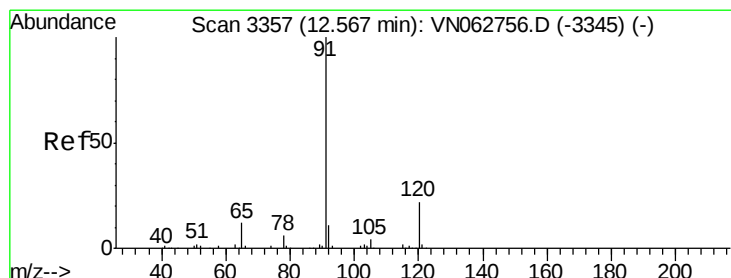
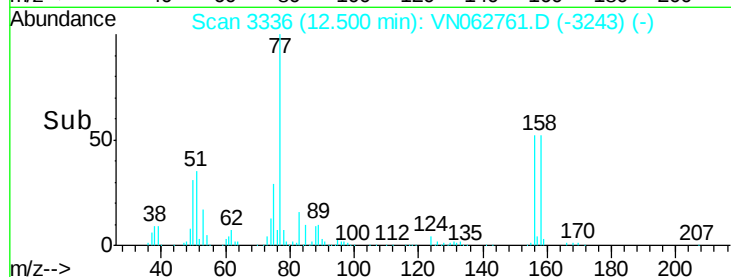
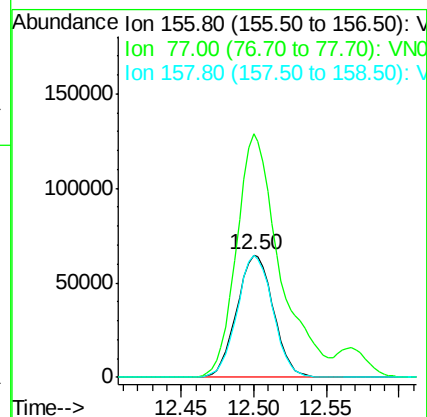
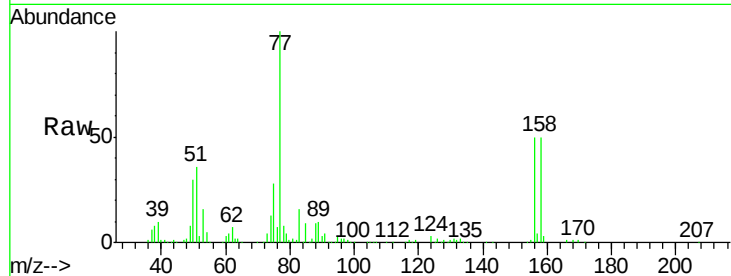
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	234.1	119.7	359.1
158	97.6	48.1	144.3

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#78

n-propylbenzene

Concen: 51.935 ug/l

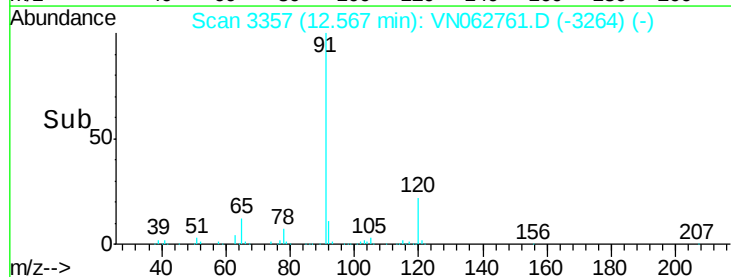
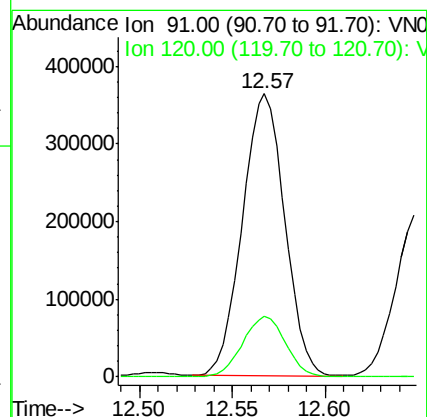
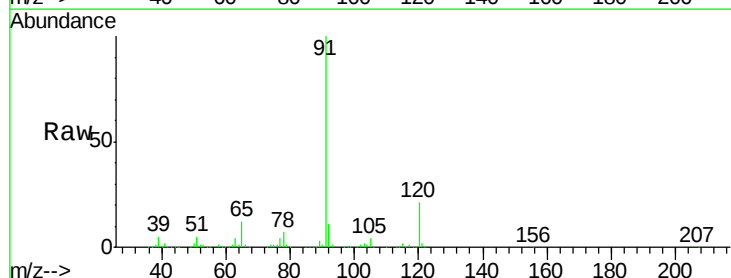
RT: 12.57 min Scan# 3357

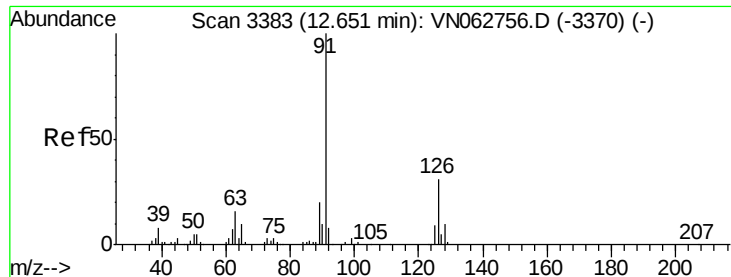
Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.9





#79

2-Chlorotoluene

Concen: 49.810 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 345620

Ion Ratio Lower Upper

91 100

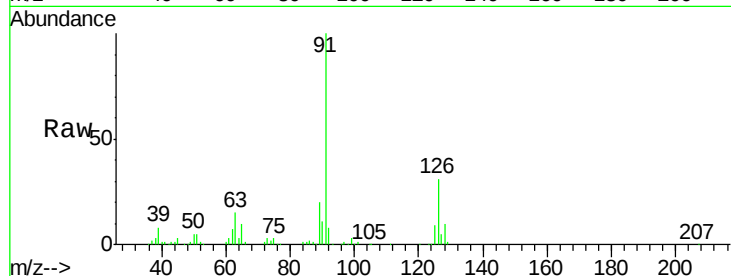
126 31.6 15.6 46.7

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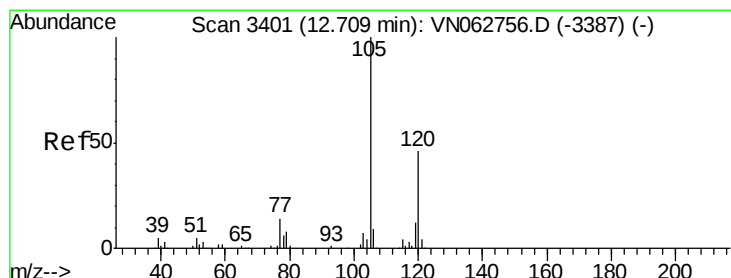
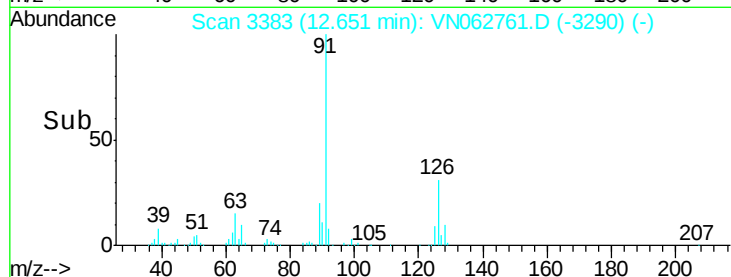
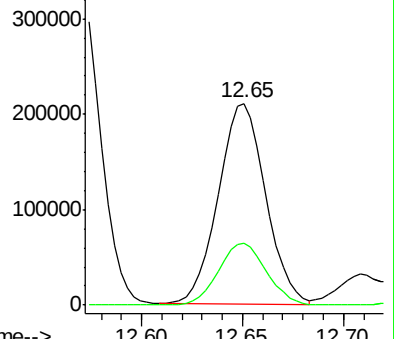
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Abundance Ion 91.00 (90.70 to 91.70): VN062761.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062761.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.541 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062761.D

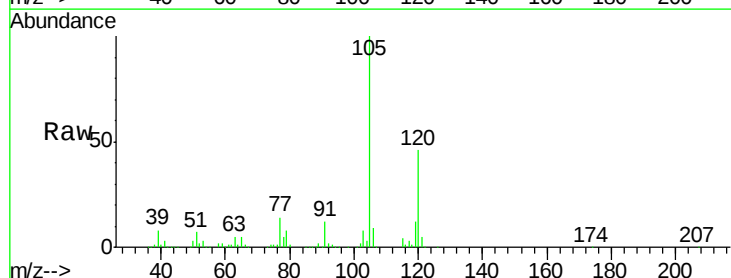
Acq: 6 Aug 2020 12:37

Tgt Ion: 105 Resp: 429668

Ion Ratio Lower Upper

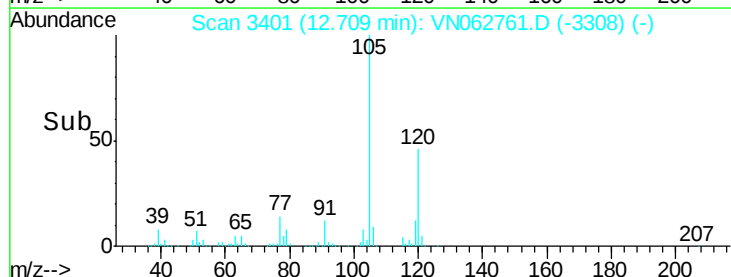
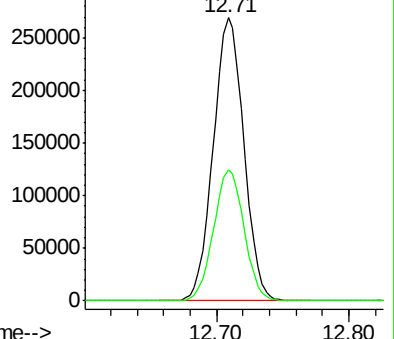
105 100

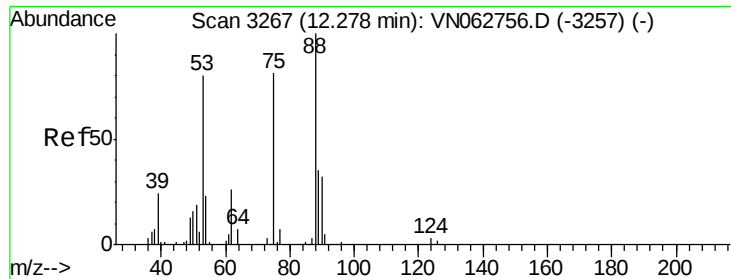
120 46.3 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062761.D (-3387) (-)

Ion 120.00 (119.70 to 120.70): VN062761.D (-3387) (-)





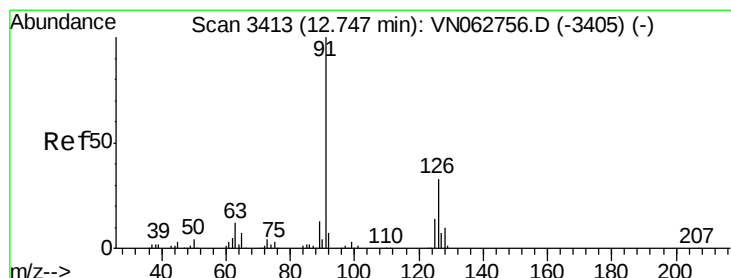
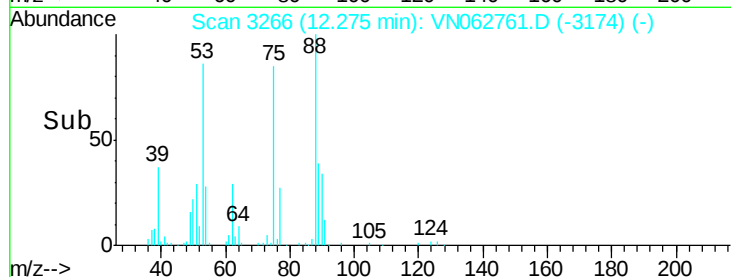
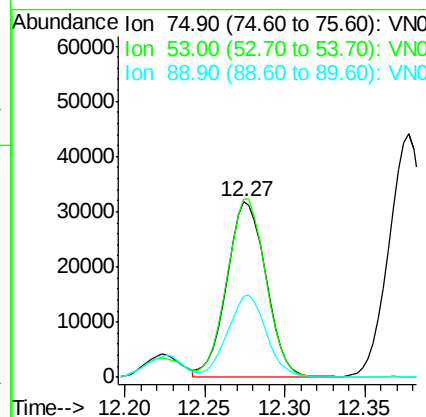
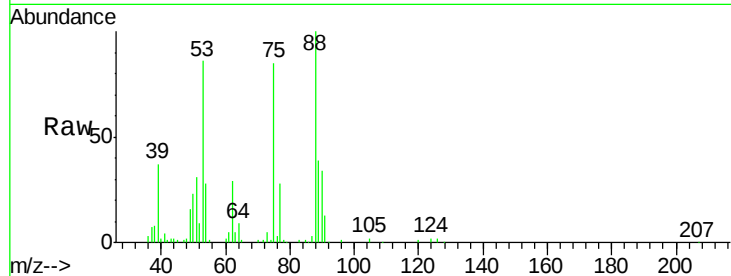
#81
trans-1,4-Dichloro-2-butene
Concen: 48.527 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.9	79.1	118.7
89	45.8	36.2	54.2

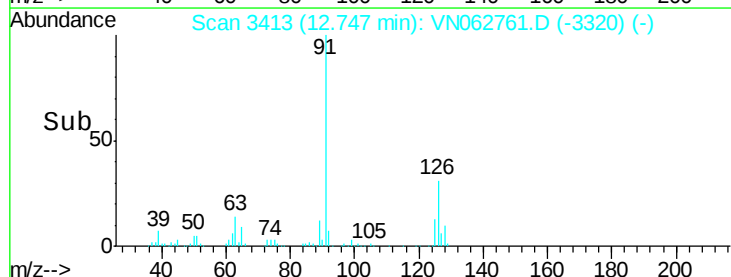
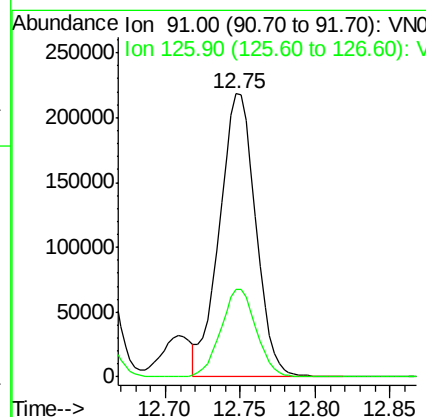
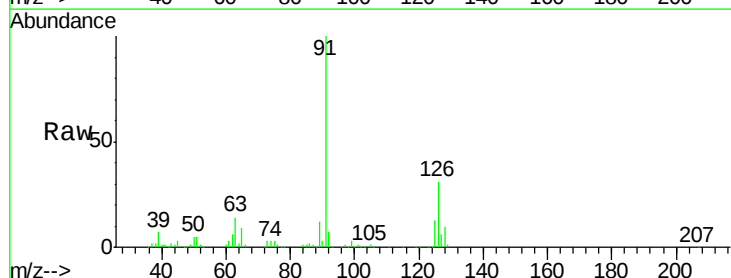
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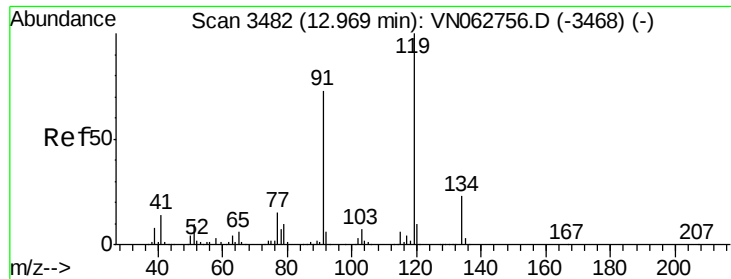
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#82
4-Chlorotoluene
Concen: 51.197 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.3	45.9





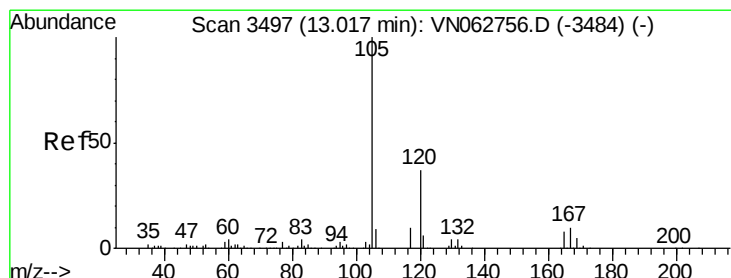
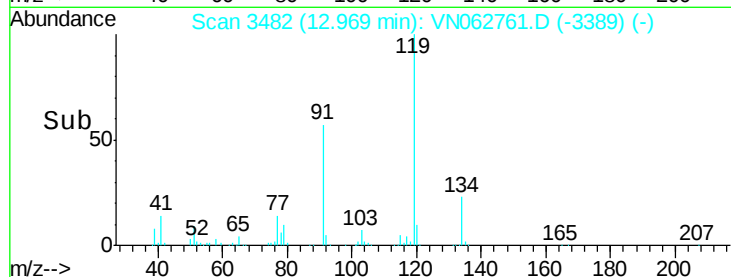
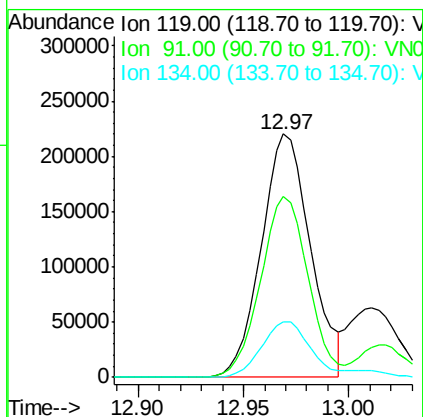
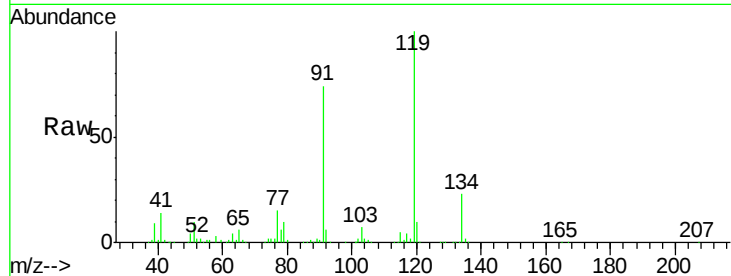
#83
tert-Butylbenzene
Concen: 51.733 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.8	36.5	109.5
134	22.6	11.3	33.8

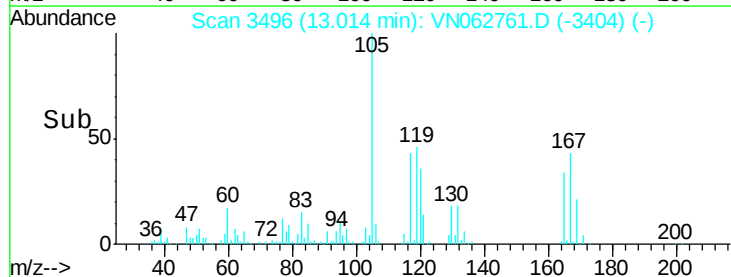
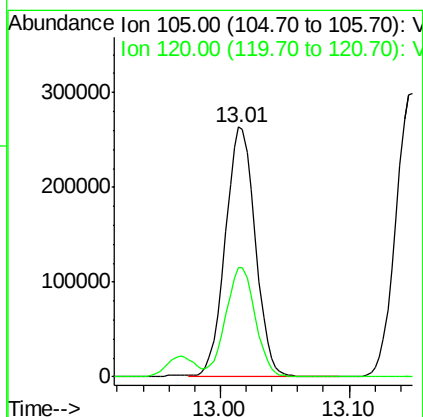
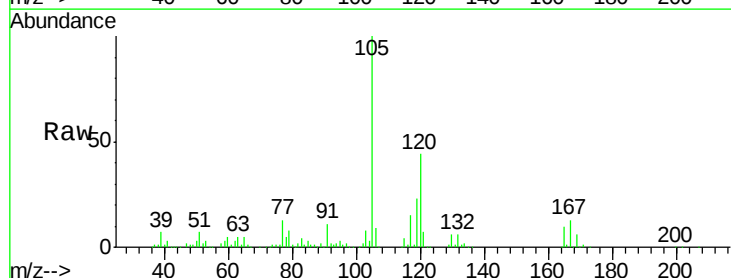
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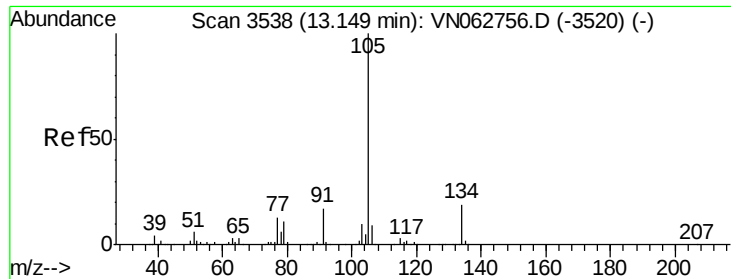
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.008 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.4	64.2





#85

sec-Butylbenzene

Concen: 53.041 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 481979

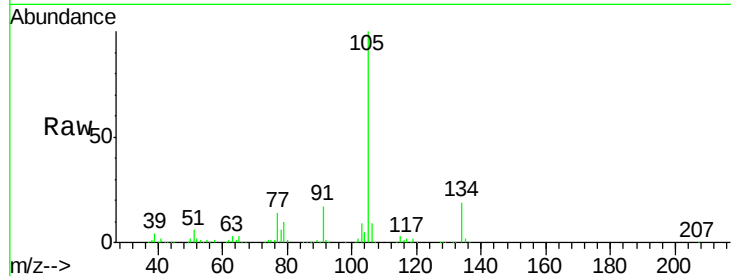
Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.6

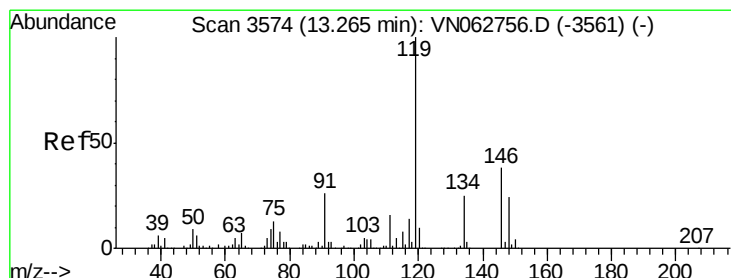
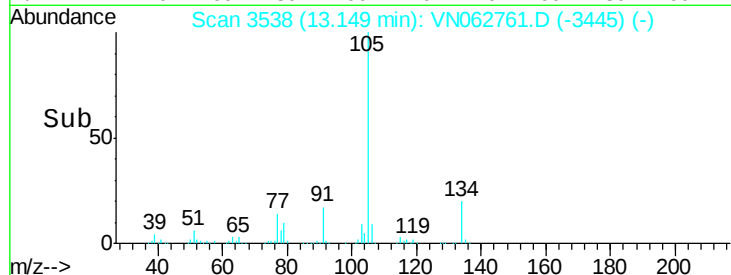
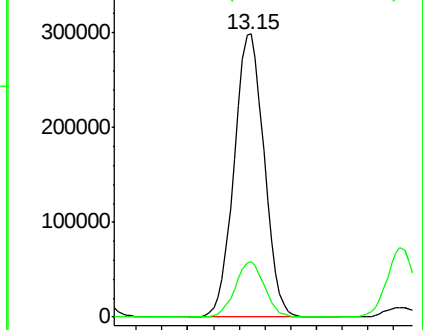
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.475 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

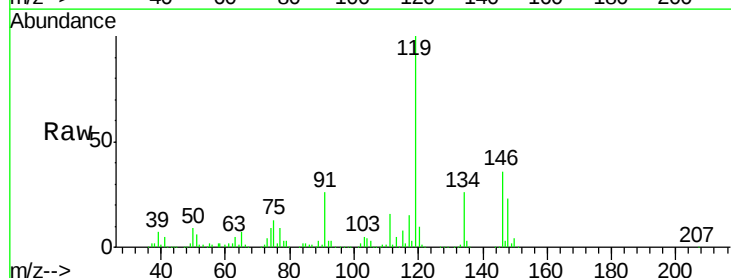
Tgt Ion:119 Resp: 439391

Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.8

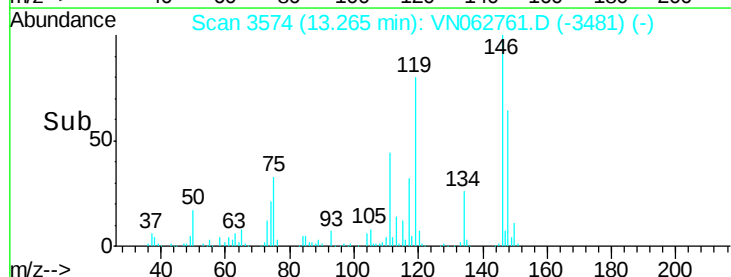
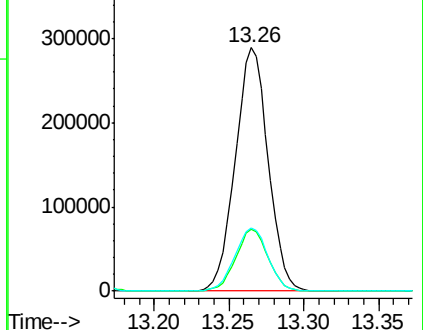
91 26.3 13.4 40.2

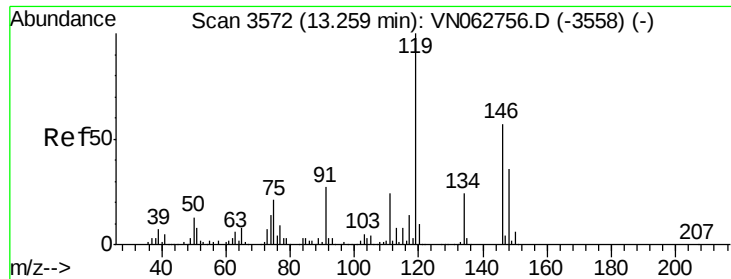


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





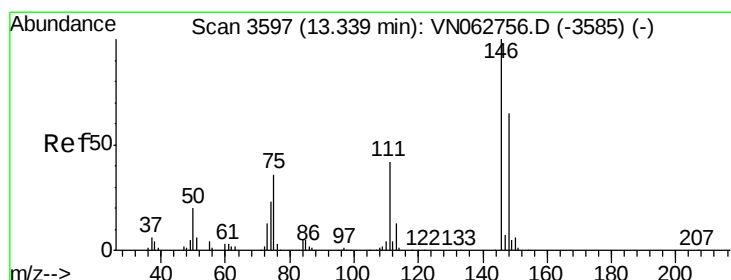
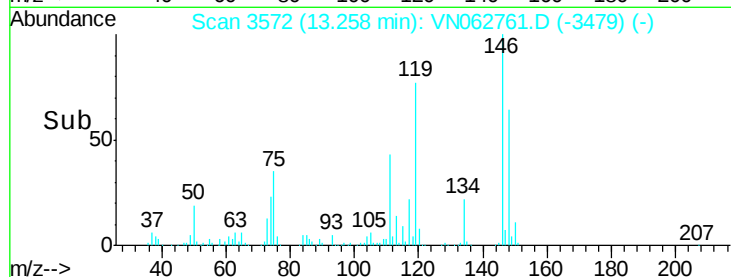
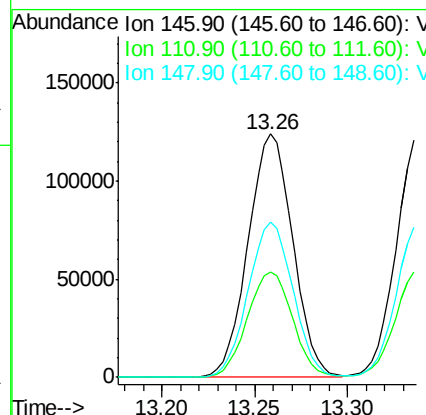
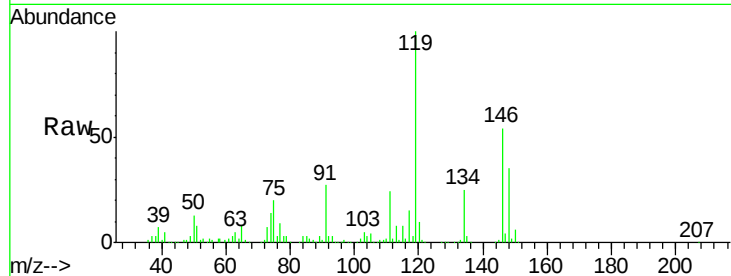
#87
 1,3-Dichlorobenzene
 Concen: 49.592 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.7	65.1
148	64.1	31.4	94.2

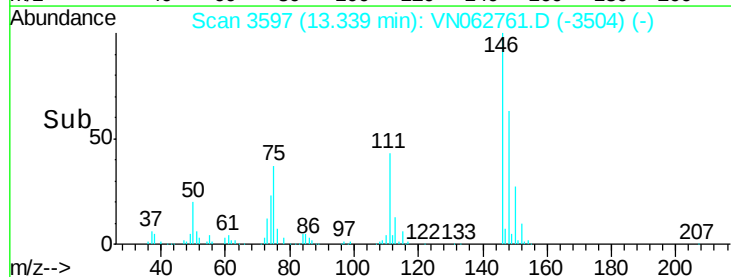
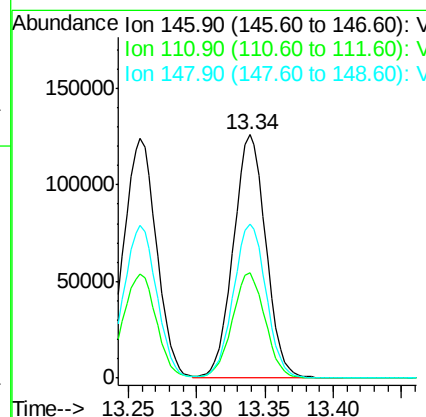
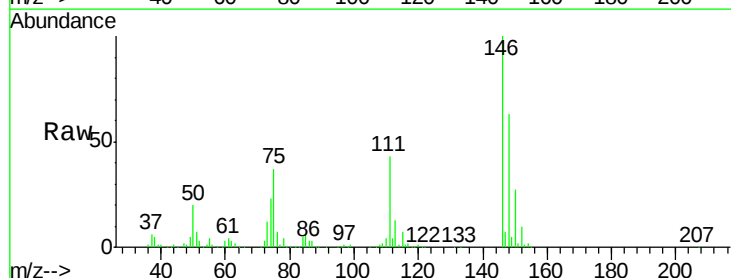
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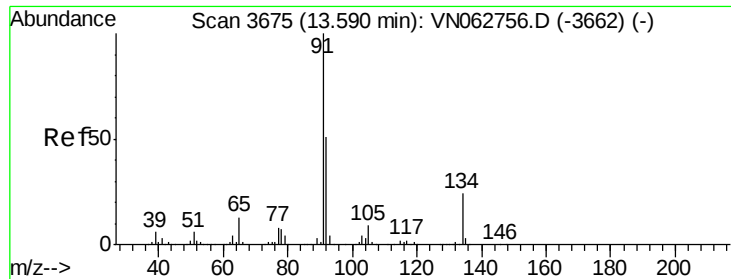
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#88
 1,4-Dichlorobenzene
 Concen: 49.462 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	64.6
148	64.3	32.6	97.8





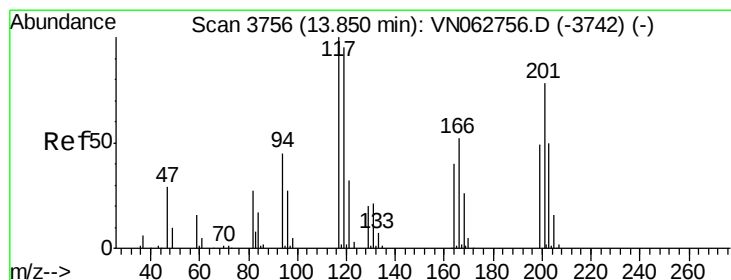
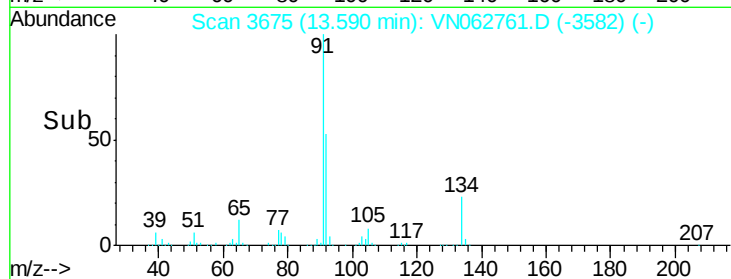
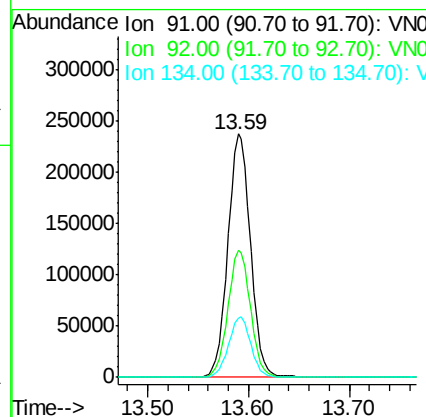
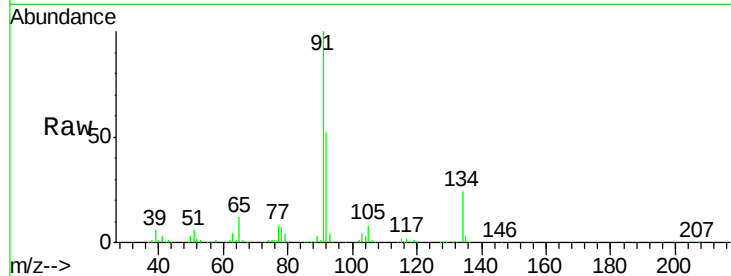
#89
n-Butylbenzene
Concen: 54.577 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

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

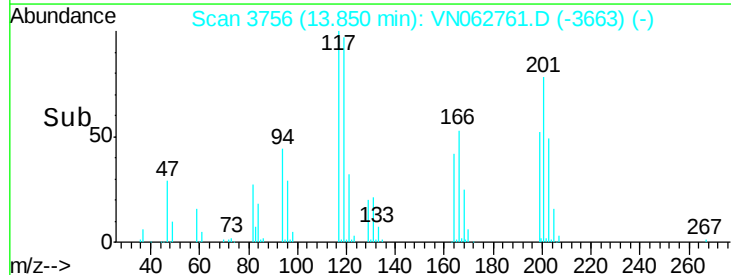
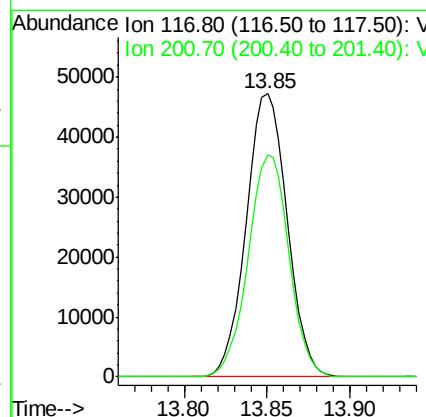
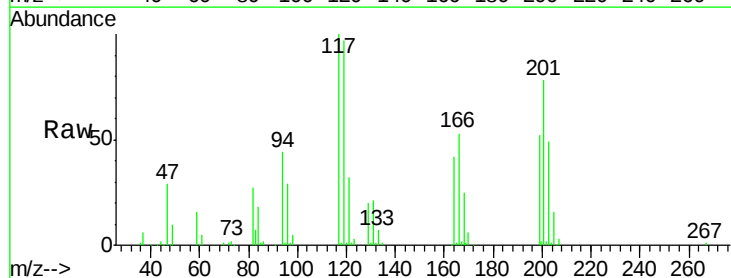
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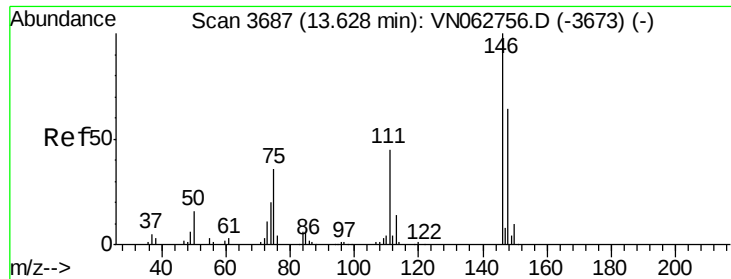
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#90
Hexachloroethane
Concen: 46.740 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062761.D
Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.1	39.2	117.6





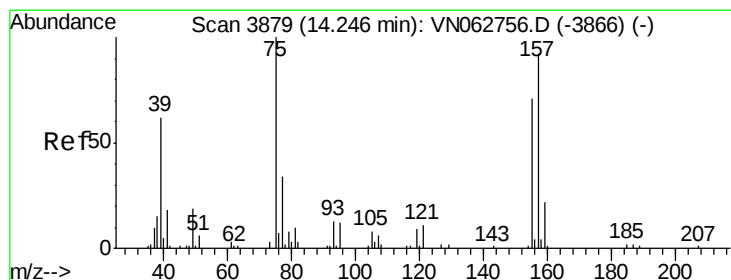
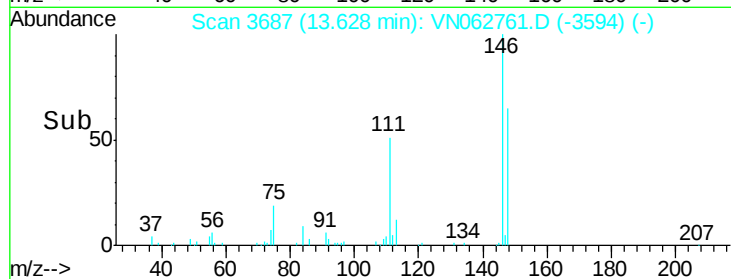
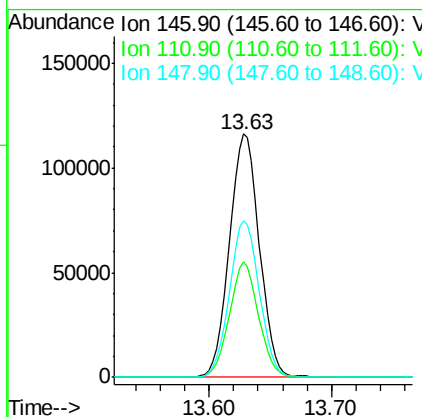
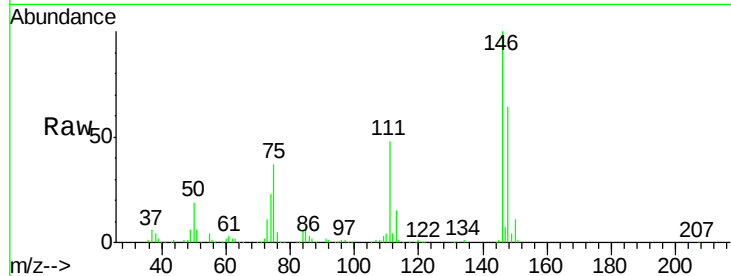
#91
 1,2-Dichlorobenzene
 Concen: 50.807 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.8	68.4
148	64.1	31.9	95.5

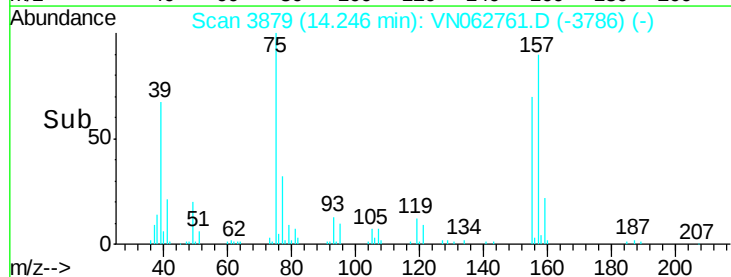
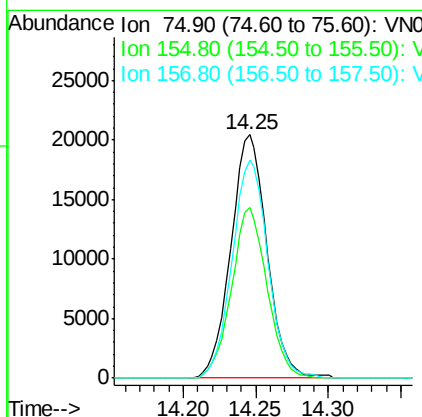
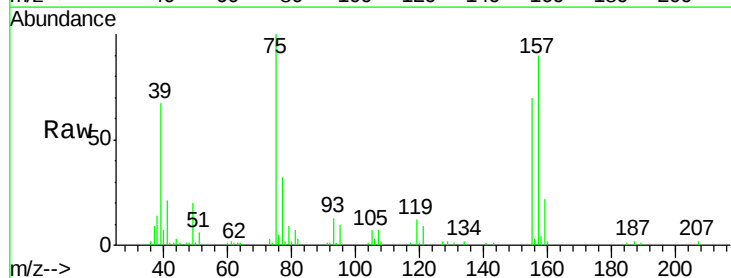
Manual Integrations
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 8/7/2020 12:50:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.514 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.6	35.0	105.1
157	89.0	43.2	129.6





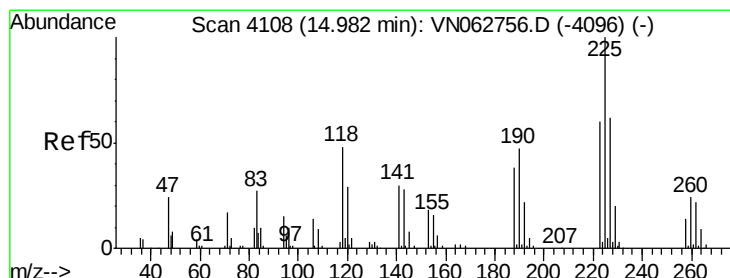
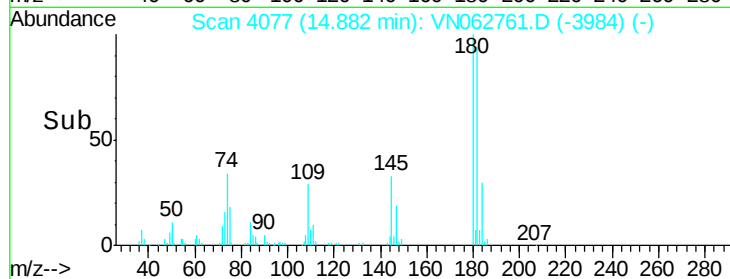
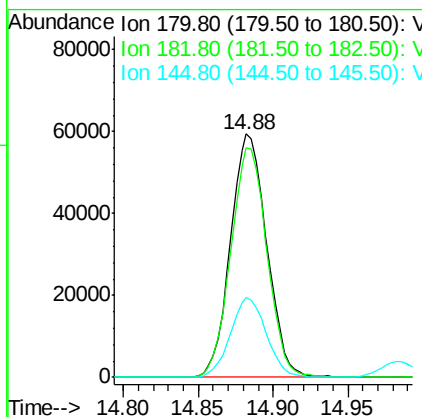
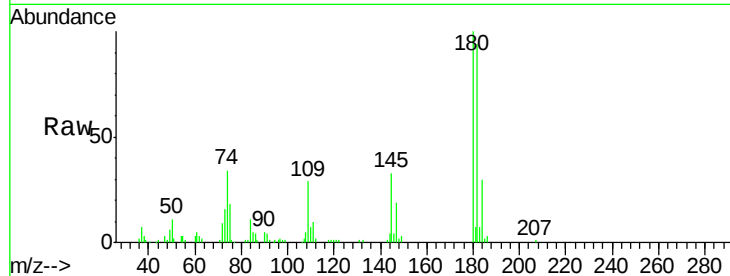
#93
 1,2,4-Trichlorobenzene
 Concen: 47.730 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180	Resp:	100213
Ion Ratio	Lower	Upper
180 100		
182 94.2	49.1	147.4
145 32.4	16.3	48.8

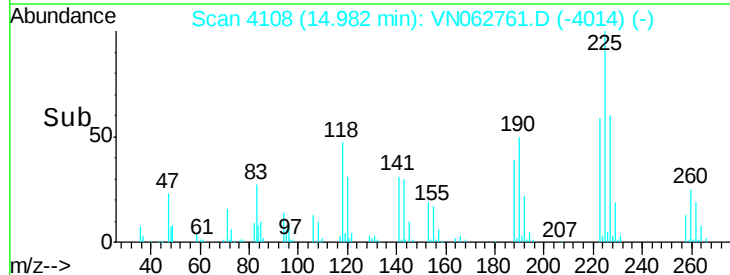
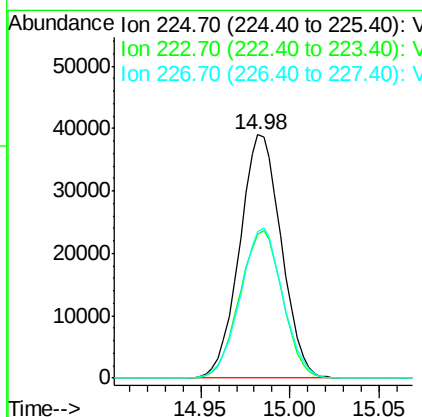
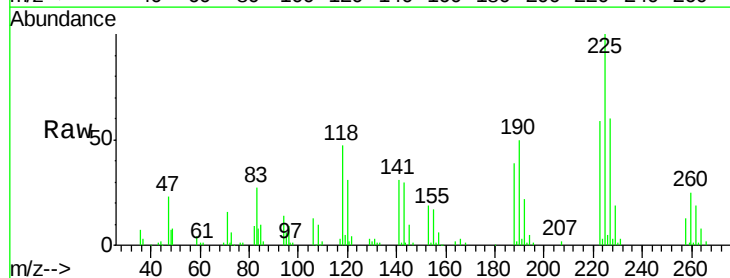
Manual Integrations
 APPROVED

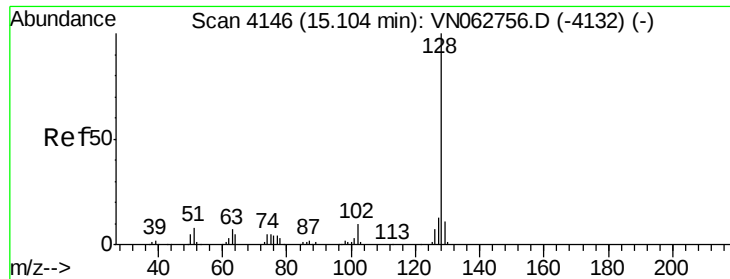
MMDadoda
 8/7/2020 12:50:40 PM



#94
 Hexachlorobutadiene
 Concen: 51.682 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062761.D
 Acq: 6 Aug 2020 12:37

Tgt Ion:225	Resp:	63746
Ion Ratio	Lower	Upper
225 100		
223 61.8	30.6	92.0
227 62.6	31.6	95.0





#95

Naphthalene

Concen: 44.478 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Instrument :

MSVOA_N

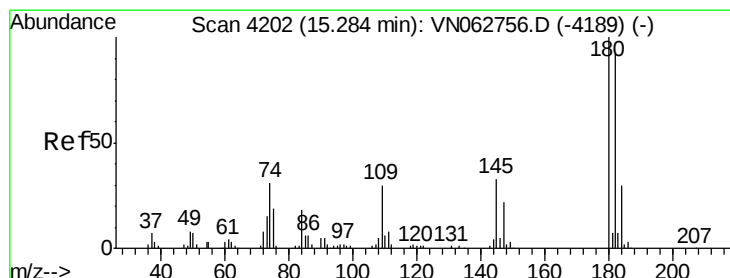
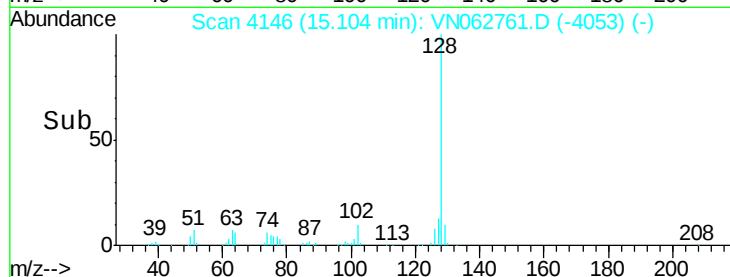
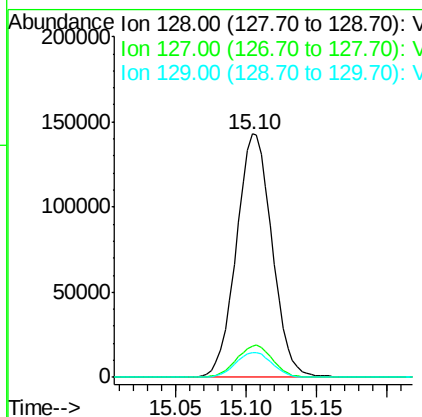
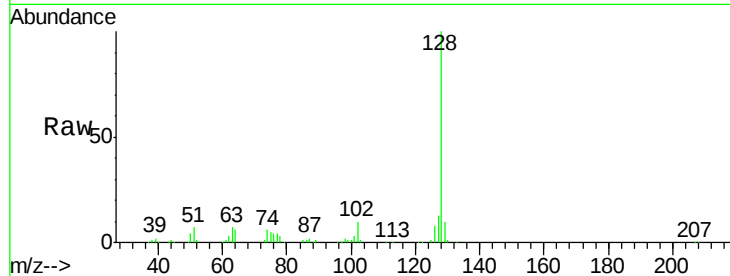
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	253416
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.8	16.2
129	10.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:50:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.031 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062761.D

Acq: 6 Aug 2020 12:37

Tgt Ion:	180	Resp:	99495
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.9	143.6
145	34.8	17.3	51.7

