

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
 Data File : VN061323.D
 Acq On : 7 May 2020 10:35
 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
 5/8/2020 1:18:12 PM

Quant Time: May 08 01:41:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	110162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	184391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	172717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	86747	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
35) Dibromofluoromethane	7.54	113	47104	43.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.40%	
50) Toluene-d8	10.06	98	228290	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.37	95	87422	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	57968	49.623	ug/l	98
3) Chloromethane	2.03	50	74250	52.481	ug/l	100
4) Vinyl Chloride	2.16	62	84717	52.719	ug/l	100
5) Bromomethane	2.53	94	35595	44.811	ug/l	100
6) Chloroethane	2.67	64	51103	50.173	ug/l	97
7) Trichlorofluoromethane	2.98	101	106103	58.524	ug/l	97
8) Diethyl Ether	3.37	74	42971	56.824	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	62725	53.704	ug/l	99
10) Methyl Iodide	3.90	142	63099	42.037	ug/l	99
11) Tert butyl alcohol	4.72	59	62016	265.591	ug/l	99
12) 1,1-Dichloroethene	3.69	96	59235	50.964	ug/l	98
13) Acrolein	3.56	56	27342	175.712	ug/l	99
14) Allyl chloride	4.27	41	127957	59.374	ug/l	99
15) Acrylonitrile	4.92	53	192510	268.572	ug/l	99
16) Acetone	3.77	43	182978	271.908	ug/l	100
17) Carbon Disulfide	4.00	76	118769	36.992	ug/l	100
18) Methyl Acetate	4.27	43	104129	47.360	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	233426	52.558	ug/l	99
20) Methylene Chloride	4.50	84	68363	50.296	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	65009	51.365	ug/l	99
22) Diisopropyl ether	5.89	45	269518	53.930	ug/l	99
23) Vinyl Acetate	5.83	43	1076564	267.542	ug/l	99
24) 1,1-Dichloroethane	5.79	63	135907	52.049	ug/l	100
25) 2-Butanone	6.78	43	282615	273.998	ug/l	100
26) 2,2-Dichloropropane	6.77	77	123632	56.214	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	76531	51.528	ug/l	98
28) Bromochloromethane	7.15	49	65332	52.789	ug/l	96
29) Tetrahydrofuran	7.16	42	180094	259.200	ug/l	99
30) Chloroform	7.32	83	135434	51.183	ug/l	99
31) Cyclohexane	7.61	56	115678	45.618	ug/l	98
32) 1,1,1-Trichloroethane	7.52	97	117270	50.894	ug/l	100
36) 1,1-Dichloropropene	7.75	75	99395	53.848	ug/l	99
37) Ethyl Acetate	6.87	43	113789	52.584	ug/l	99
38) Carbon Tetrachloride	7.73	117	90819	53.747	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	100133	48.372	ug/l	100
40) Benzene	8.00	78	287047	52.198	ug/l	99
41) Methacrylonitrile	7.12	41	53540	59.591	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	113049	54.264	ug/l	100
43) Isopropyl Acetate	8.12	43	194733	54.223	ug/l	100
44) Trichloroethene	8.80	130	72329	48.654	ug/l	99
45) 1,2-Dichloropropane	9.08	63	80601	54.862	ug/l	99
46) Dibromomethane	9.17	93	49568	54.491	ug/l	99
47) Bromodichloromethane	9.37	83	109534	56.099	ug/l	100
48) Methyl methacrylate	9.16	41	90281	55.709	ug/l	97
49) 1,4-Dioxane	9.16	88	19535	1061.939	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	590254	279.225	ug/l	100
52) Toluene	10.12	92	179473	54.183	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	123392	56.086	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	129778	55.797	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	70480	53.346	ug/l	99
56) Ethyl methacrylate	10.40	69	115902	50.323	ug/l	99
57) 1,3-Dichloropropane	10.68	76	127241	54.790	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	214007	200.112	ug/l	100
59) 2-Hexanone	10.72	43	448343	291.529	ug/l	99
60) Dibromochloromethane	10.87	129	77311	55.871	ug/l	98
61) 1,2-Dibromoethane	10.98	107	71720	54.160	ug/l	100
64) Tetrachloroethene	10.60	164	70820	47.342	ug/l	96
65) Chlorobenzene	11.40	112	183889	53.672	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	70227	57.270	ug/l	98
67) Ethyl Benzene	11.48	91	350338	54.624	ug/l	100
68) m/p-Xylenes	11.59	106	257061	109.500	ug/l	98
69) o-Xylene	11.92	106	121971	54.089	ug/l	98
70) Styrene	11.94	104	211751	56.105	ug/l	99
71) Bromoform	12.10	173	51898	57.586	ug/l #	100
73) Isopropylbenzene	12.22	105	332759	54.439	ug/l	100
74) N-amyl acetate	12.04	43	171547	55.423	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	103479	54.292	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	93322m	53.237	ug/l	
77) Bromobenzene	12.50	156	76006	53.865	ug/l	97
78) n-propylbenzene	12.56	91	399941	55.163	ug/l	100
79) 2-Chlorotoluene	12.65	91	234557	55.042	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	280472	55.439	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	39228	56.829	ug/l	98
82) 4-Chlorotoluene	12.75	91	250433	55.758	ug/l	98
83) tert-Butylbenzene	12.97	119	228450	53.553	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	282339	54.168	ug/l	100
85) sec-Butylbenzene	13.15	105	307125	52.807	ug/l	100
86) p-Isopropyltoluene	13.26	119	283827	54.164	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	141314	54.401	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	142321	53.623	ug/l	100
89) n-Butylbenzene	13.59	91	259228	53.963	ug/l	100
90) Hexachloroethane	13.85	117	37079	65.118	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	136351	54.744	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21285	52.877	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	80280	52.931	ug/l	100
94) Hexachlorobutadiene	14.98	225	35458	55.960	ug/l	97
95) Naphthalene	15.10	128	252988	51.218	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	77432	51.709	ug/l	99

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

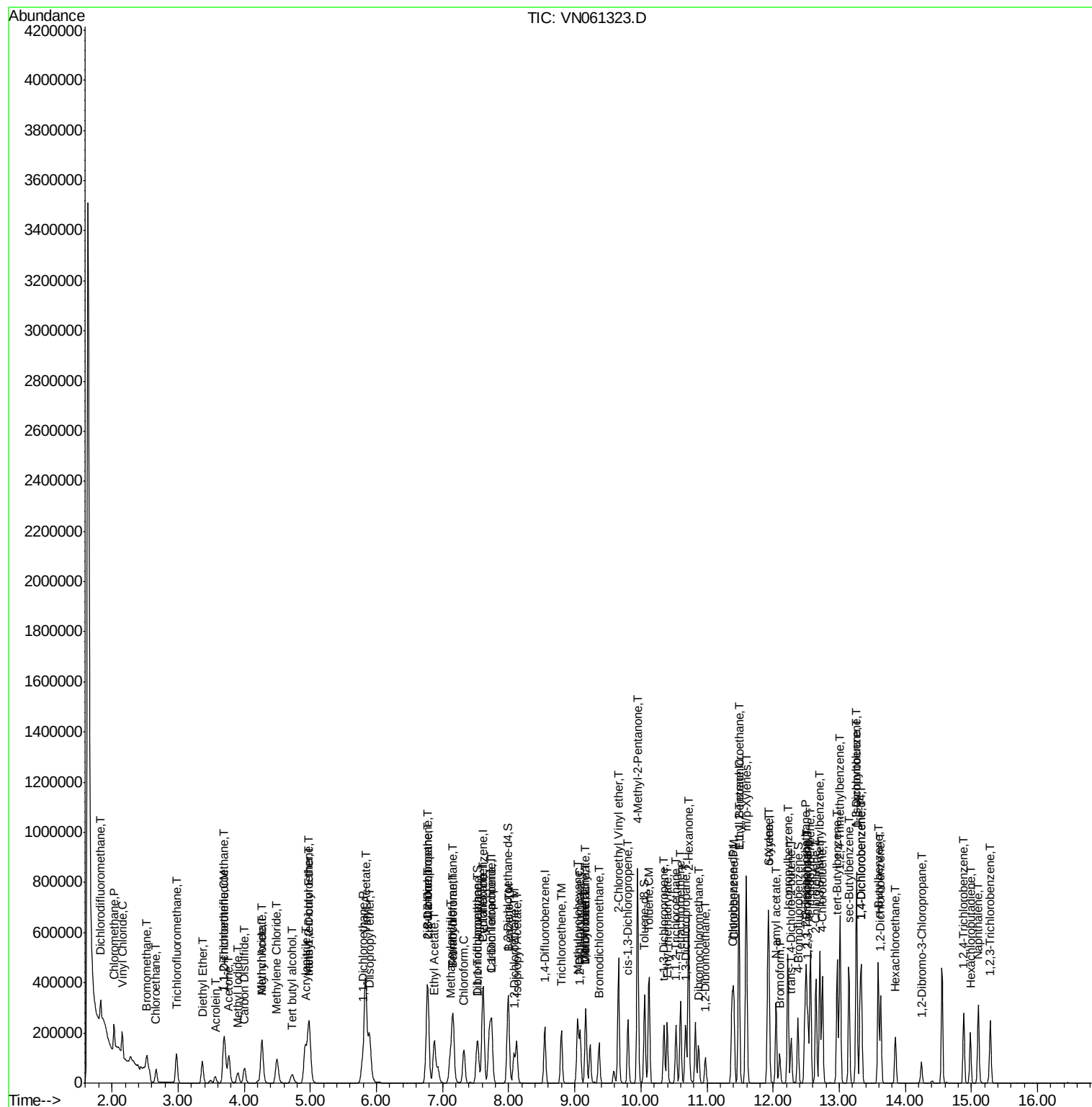
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
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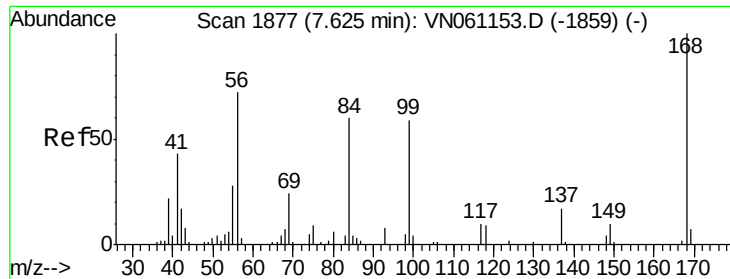
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VN061323.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 110162

Ion Ratio Lower Upper

168 100

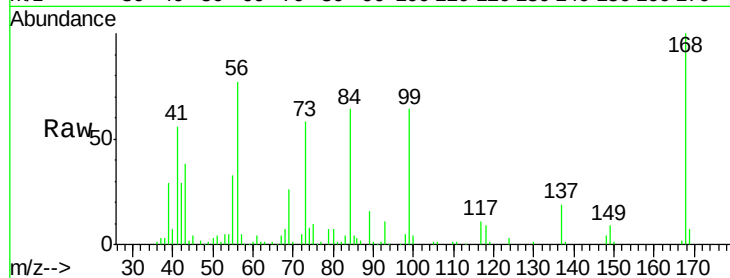
99 63.3 51.2 76.8

Manual Integrations

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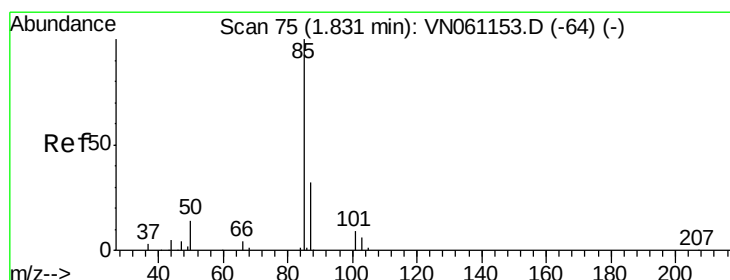
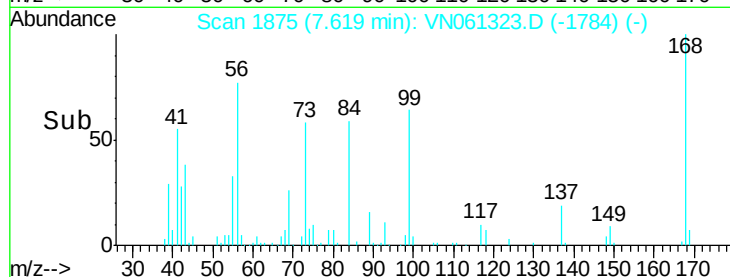
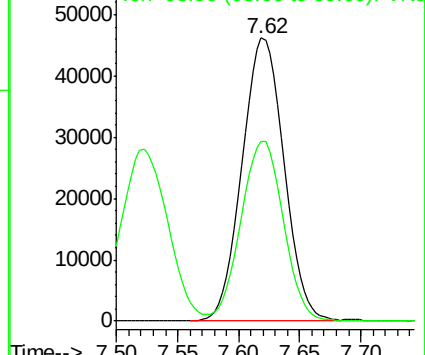
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.623 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061323.D

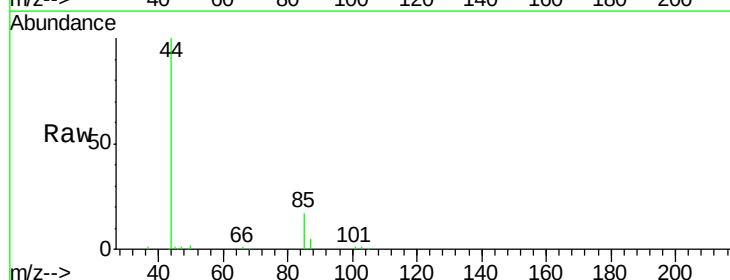
Acq: 7 May 2020 10:35

Tgt Ion: 85 Resp: 57968

Ion Ratio Lower Upper

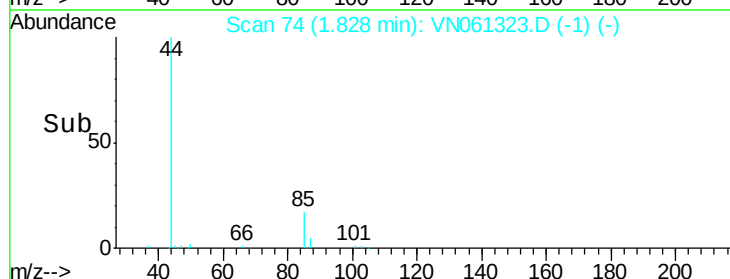
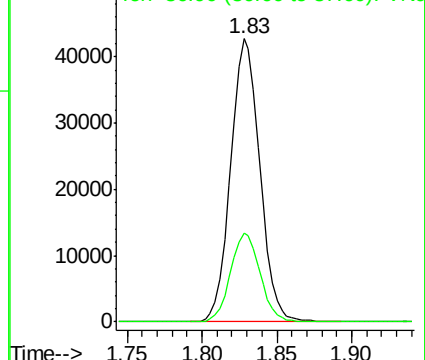
85 100

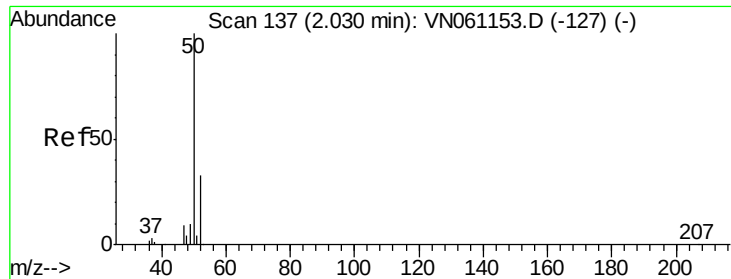
87 31.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 52.481 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 74250

Ion Ratio Lower Upper

50 100

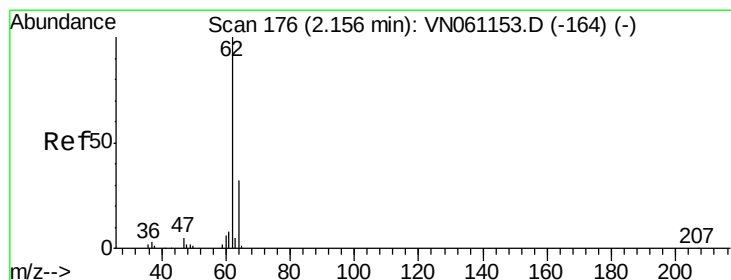
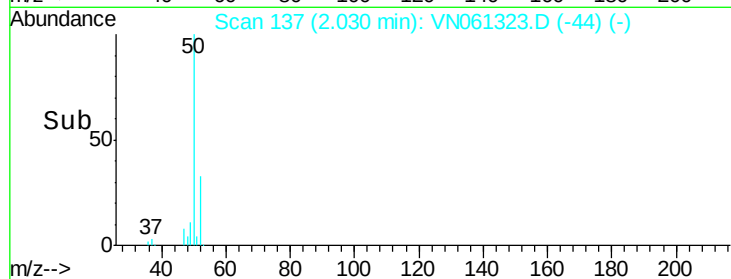
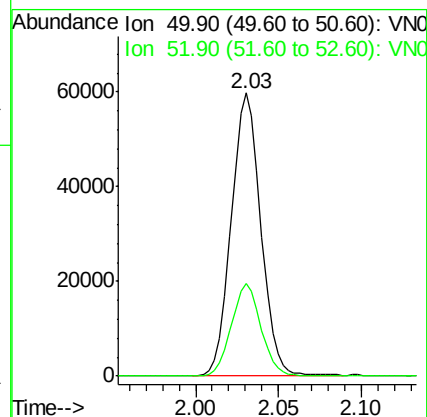
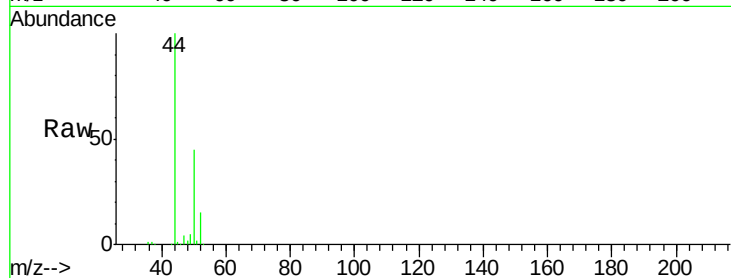
52 32.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.719 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061323.D

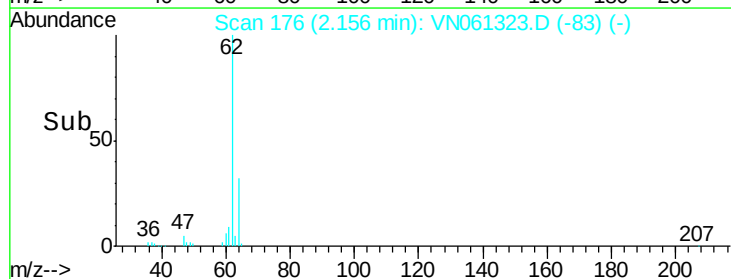
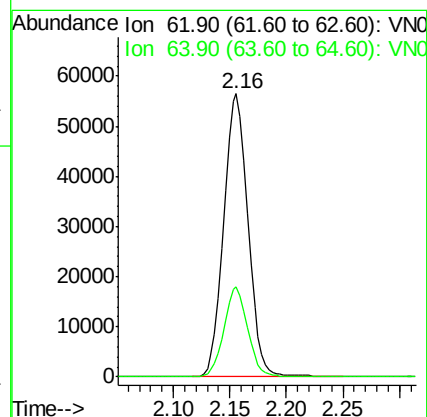
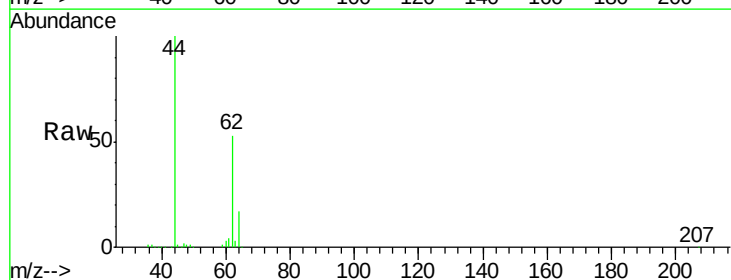
Acq: 7 May 2020 10:35

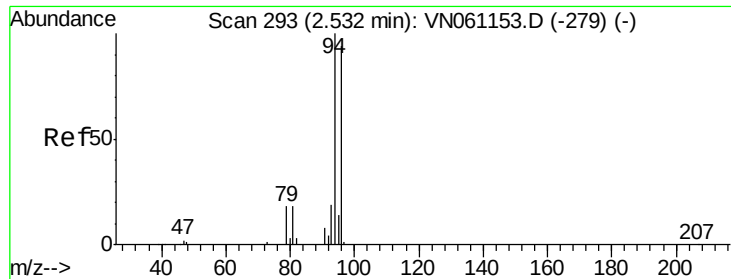
Tgt Ion: 62 Resp: 84717

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 44.811 ug/l

RT: 2.53 min Scan# 291

Delta R.T. -0.01 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

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Tot Ion: 94 Resp: 35595

Ion Ratio Lower Upper

94 100

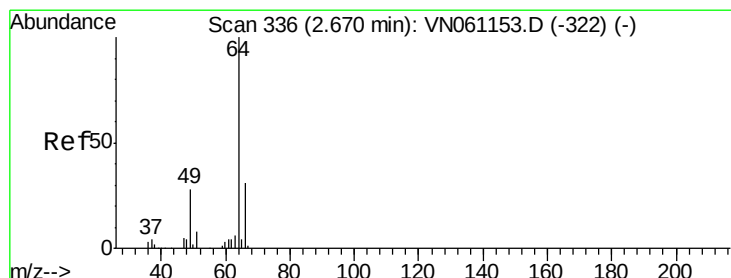
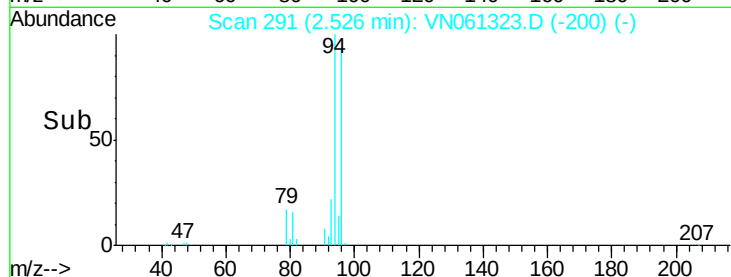
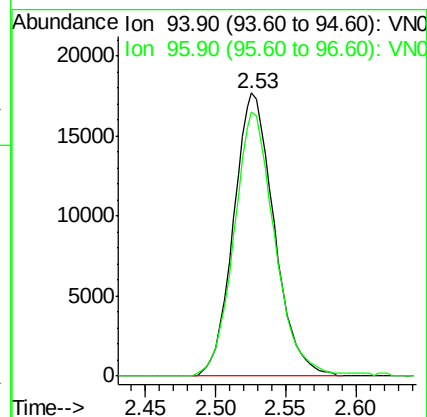
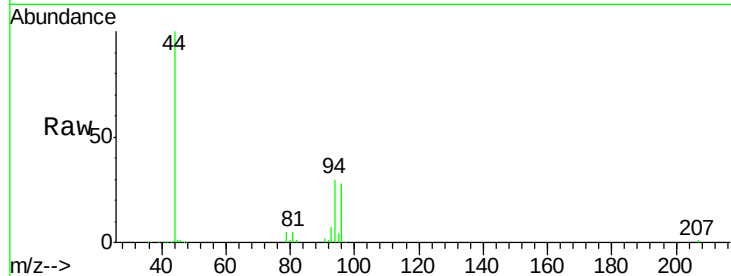
96 93.5 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 50.173 ug/l

RT: 2.67 min Scan# 335

Delta R.T. -0.00 min

Lab File: VN061323.D

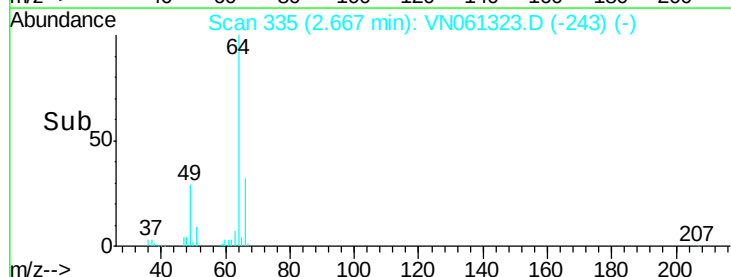
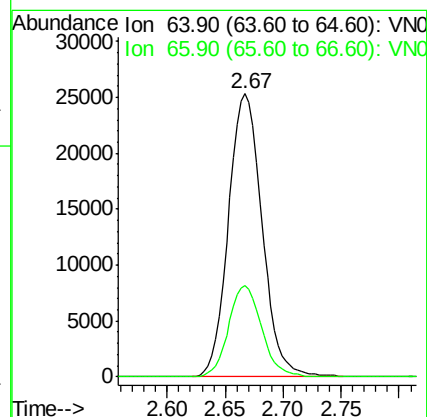
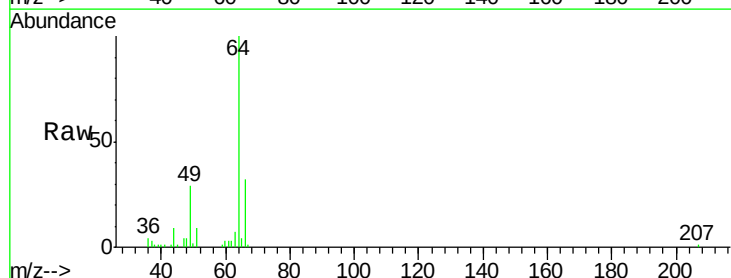
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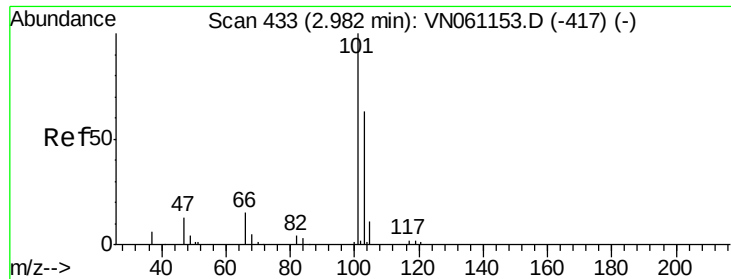
Tgt Ion: 64 Resp: 51103

Ion Ratio Lower Upper

64 100

66 32.2 24.6 36.8





#7

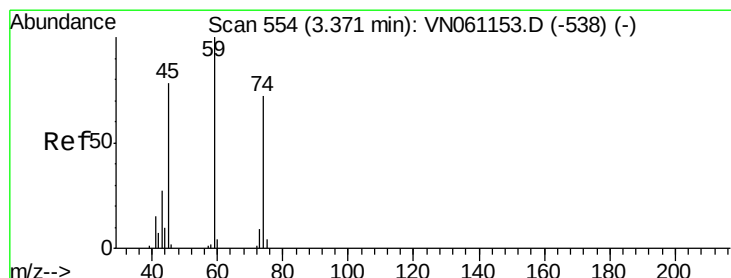
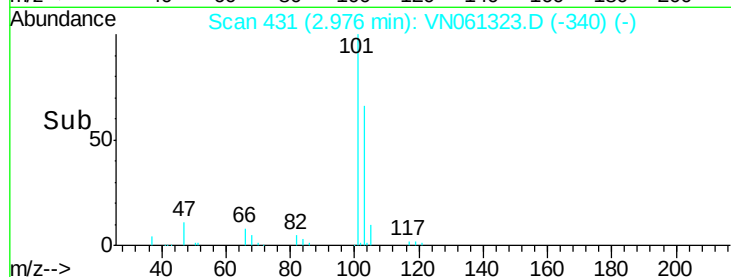
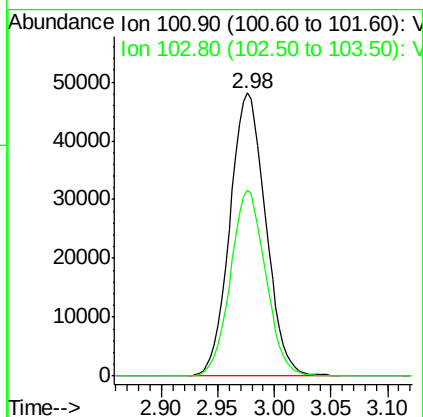
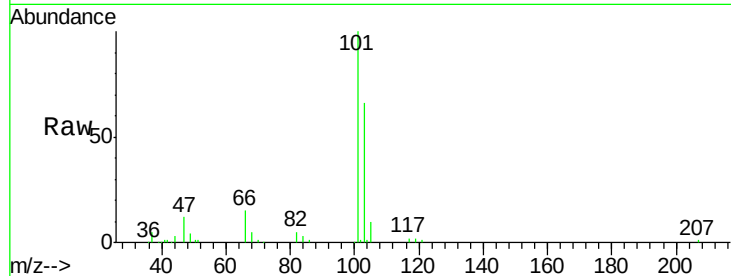
Trichlorofluoromethane
Concen: 58.524 ug/l
RT: 2.98 min Scan# 431
Delta R.T. -0.01 min
Lab File: VN061323.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	50.6	76.0

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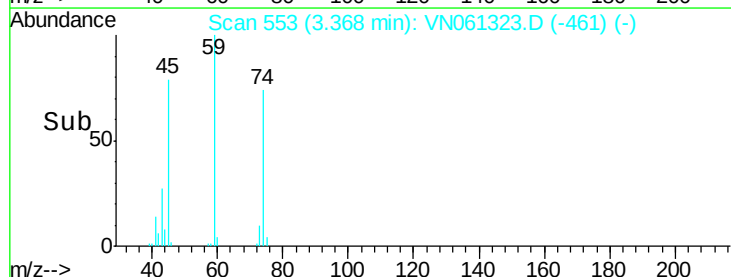
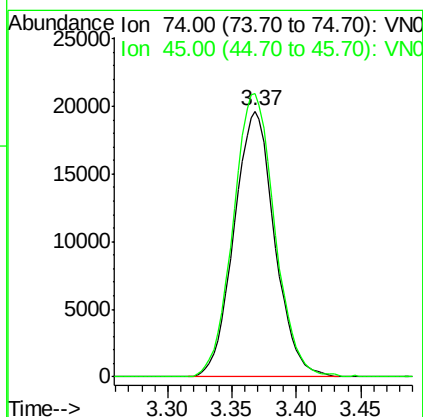
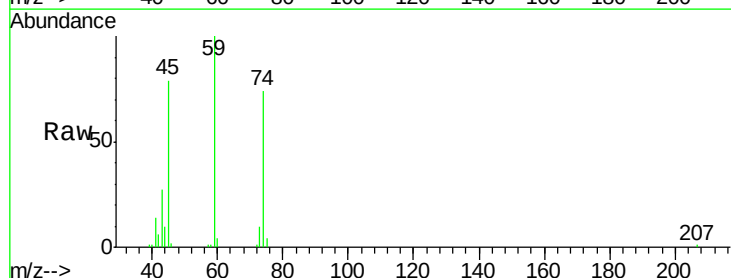
MMDadoda
5/8/2020 1:18:12 PM

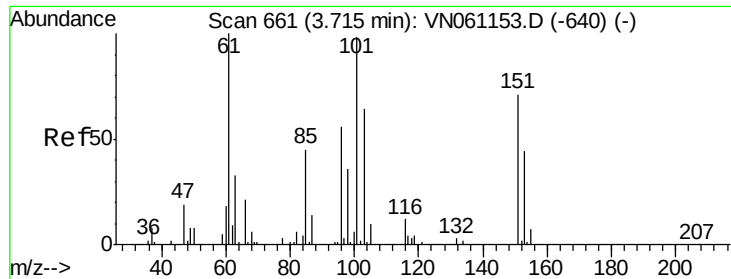


#8

Diethyl Ether
Concen: 56.824 ug/l
RT: 3.37 min Scan# 553
Delta R.T. -0.00 min
Lab File: VN061323.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.2	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.704 ug/l

RT: 3.71 min Scan# 659

Delta R.T. -0.01 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

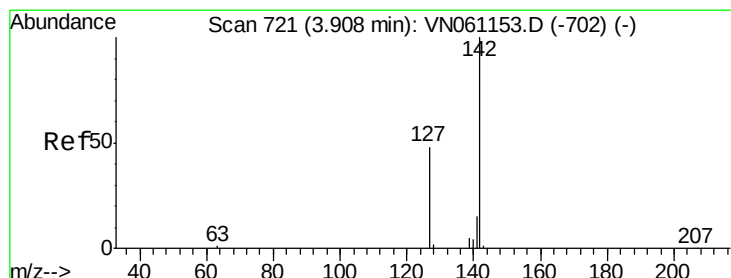
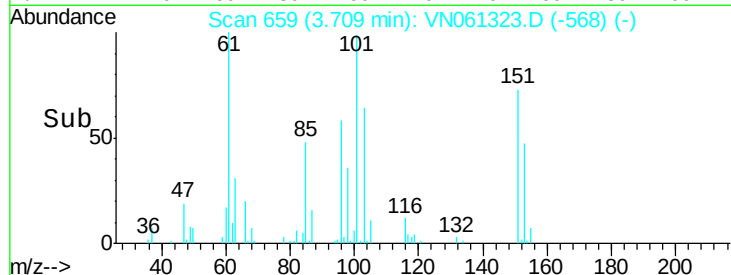
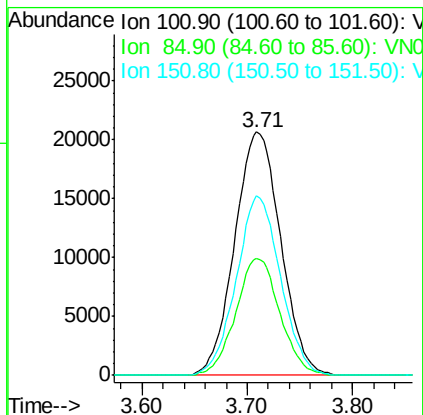
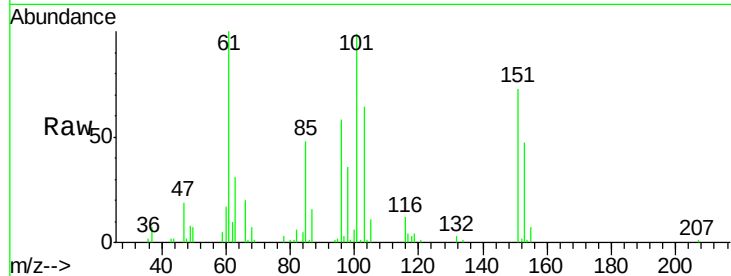
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	62725
Ion Ratio	Lower	Upper	
101	100		
85	46.0	37.2	55.8
151	70.9	57.7	86.5

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#10

Methyl Iodide

Concen: 42.037 ug/l

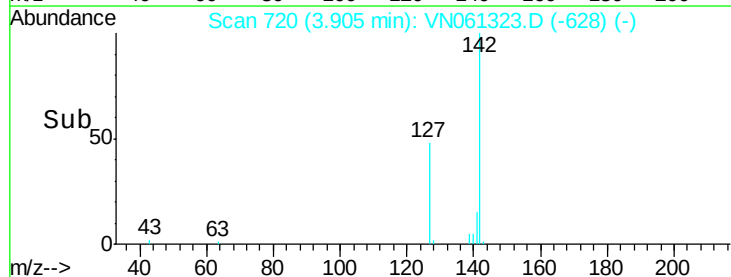
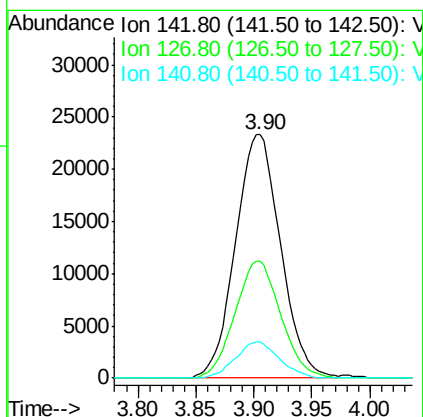
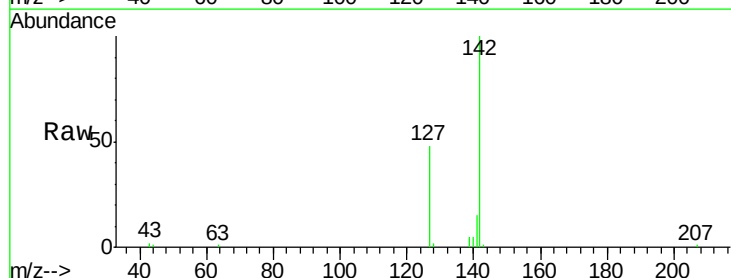
RT: 3.90 min Scan# 720

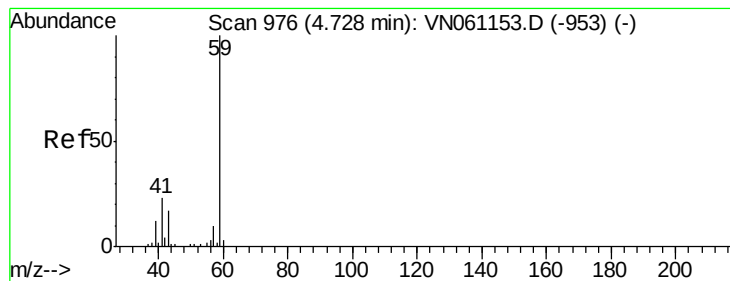
Delta R.T. -0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Tgt Ion:	142	Resp:	63099
Ion Ratio	Lower	Upper	
142	100		
127	48.7	38.0	57.0
141	14.5	11.7	17.5





#11

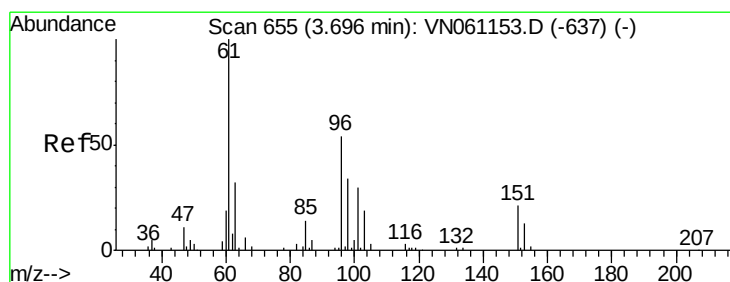
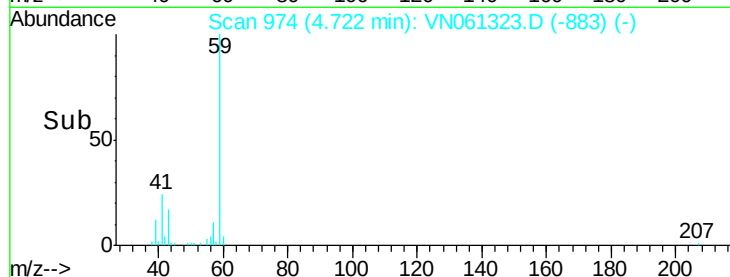
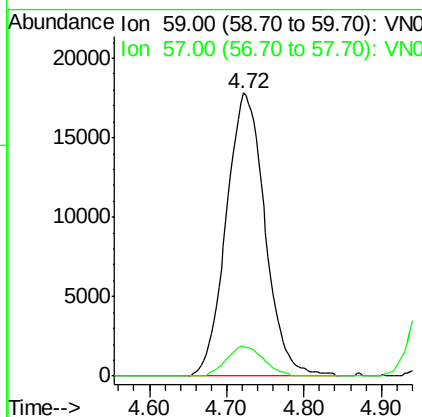
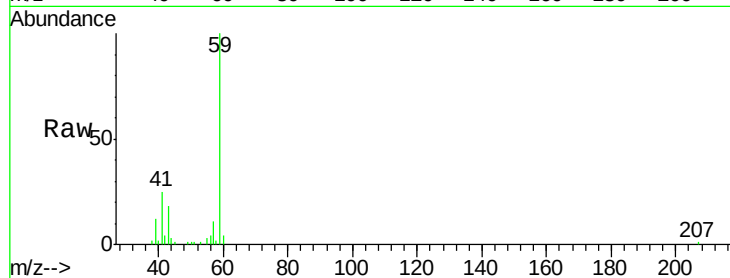
Tert butyl alcohol
Concen: 265.591 ug/l
RT: 4.72 min Scan# 974
Delta R.T. -0.01 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	62016		
57	10.1		8.3	12.5

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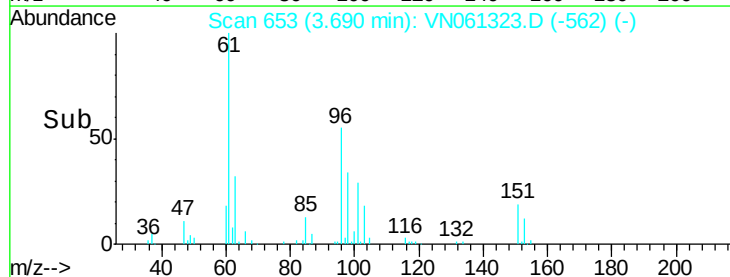
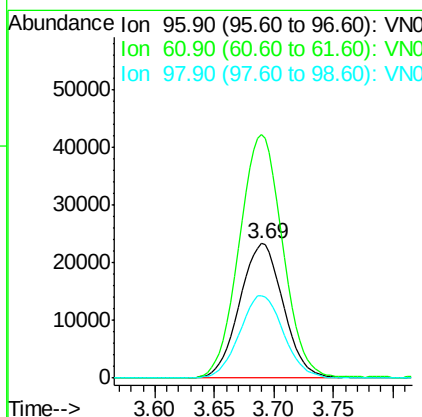
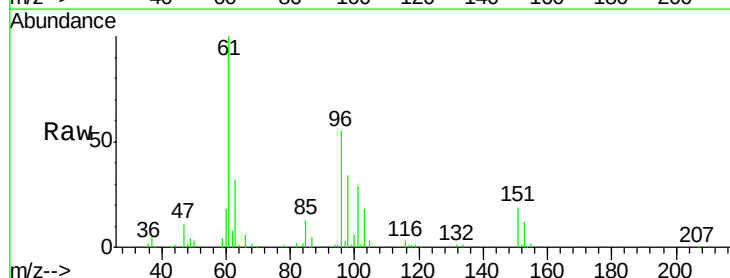
MMDadoda
5/8/2020 1:18:12 PM

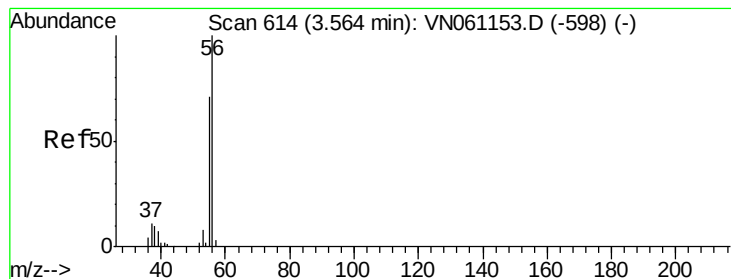


#12

1,1-Dichloroethene
Concen: 50.964 ug/l
RT: 3.69 min Scan# 653
Delta R.T. -0.01 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	59235		
61	181.0		147.0	220.6
98	61.4		49.8	74.6





#13

Acrolein

Concen: 175.712 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 27342

Ion Ratio Lower Upper

56 100

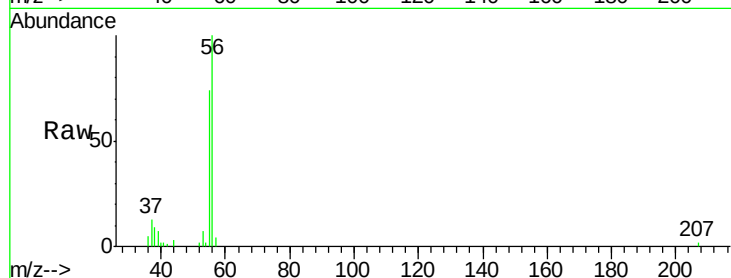
55 72.0 58.5 87.7

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Abundance Ion 56.00 (55.70 to 56.70): VN061153.D (-598) (-)

Ion 55.00 (54.70 to 55.70): VN061153.D (-598) (-)

12000

10000

8000

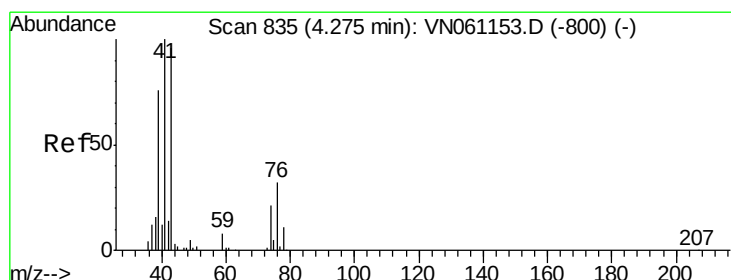
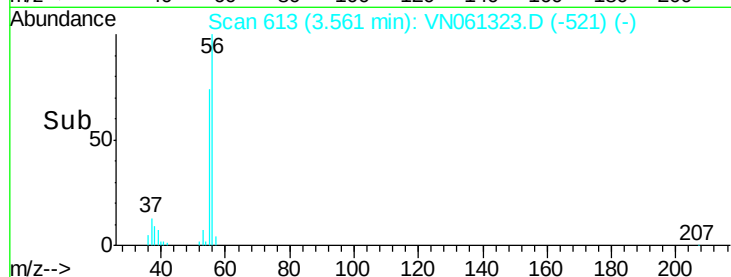
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 59.374 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

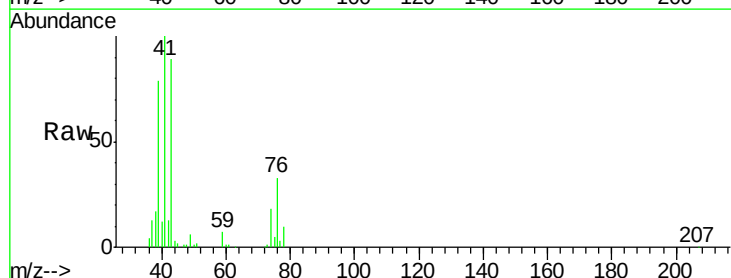
Tgt Ion: 41 Resp: 127957

Ion Ratio Lower Upper

41 100

39 72.2 57.1 85.7

76 29.8 24.3 36.5



Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-800) (-)

Ion 39.00 (38.70 to 39.70): VN061153.D (-800) (-)

Ion 75.90 (75.60 to 76.60): VN061153.D (-800) (-)

50000

40000

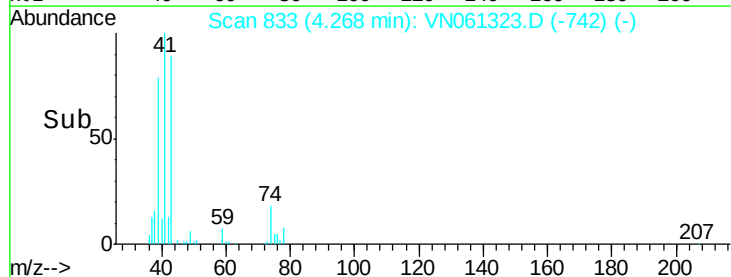
30000

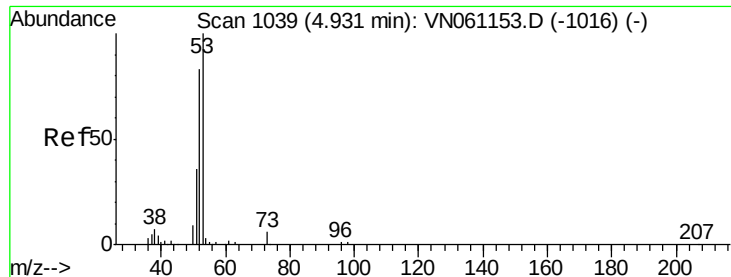
20000

10000

0

Time-->





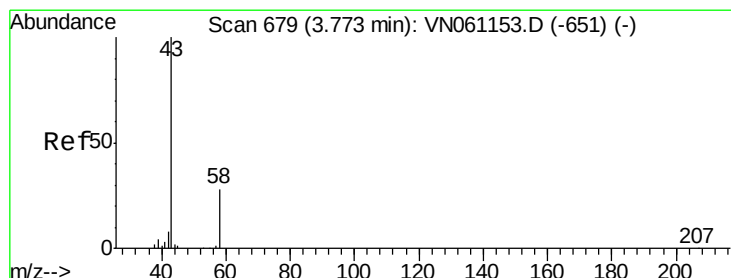
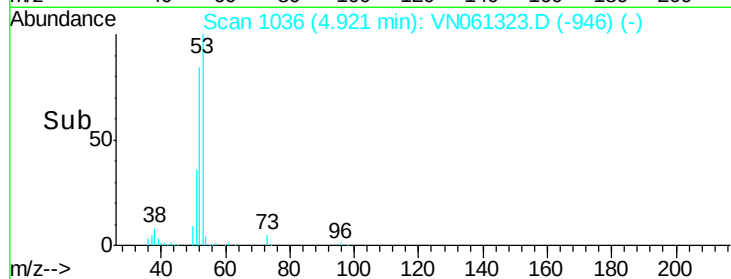
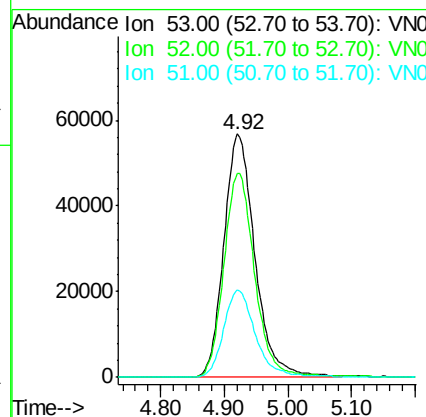
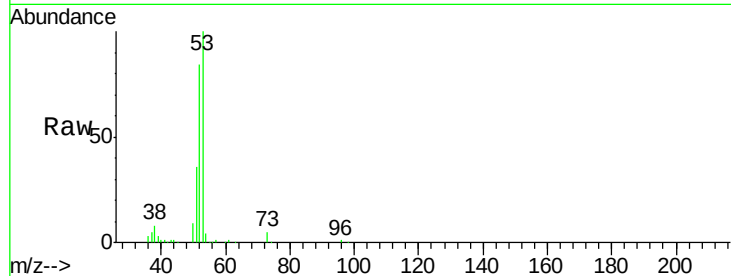
#15
 Acrylonitrile
 Concen: 268.572 ug/l
 RT: 4.92 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	192510
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.4	98.0
51	36.7	29.5	44.3

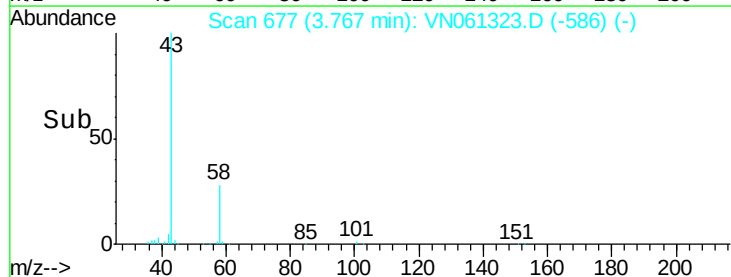
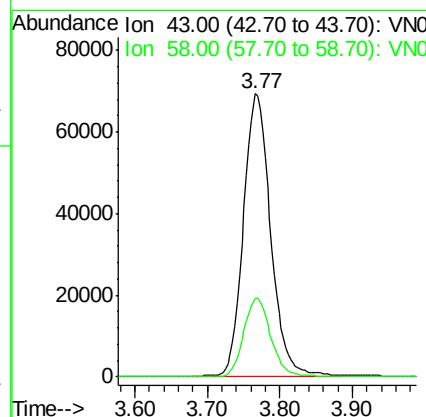
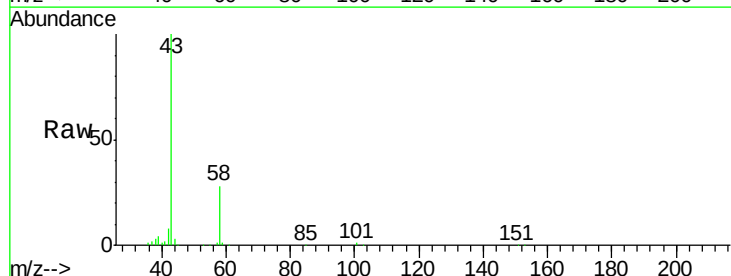
Manual Integrations
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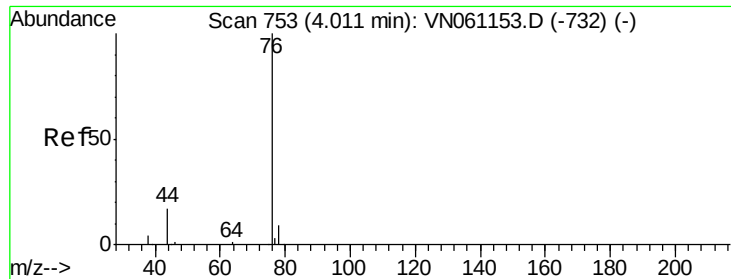
MMDadoda
 5/8/2020 1:18:12 PM



#16
 Acetone
 Concen: 271.908 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Tgt Ion:	43	Resp:	182978
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.2	33.2





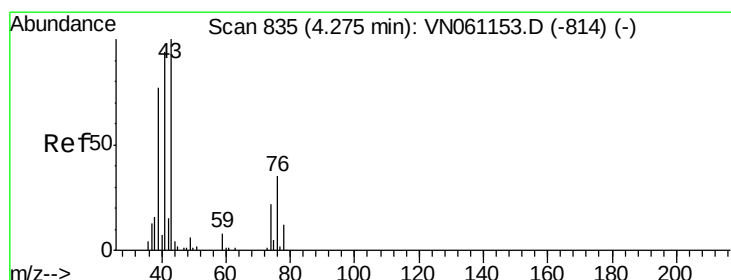
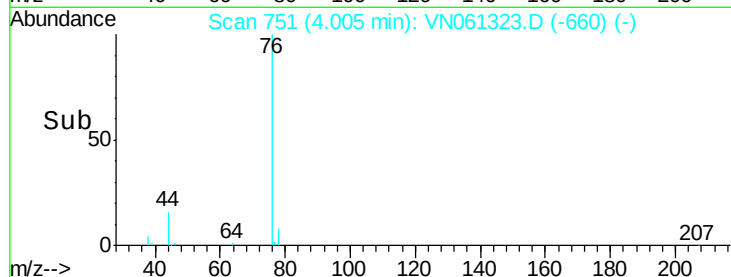
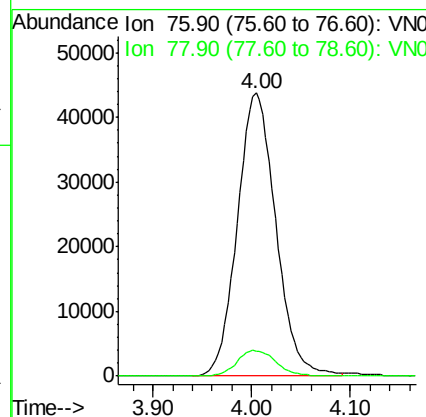
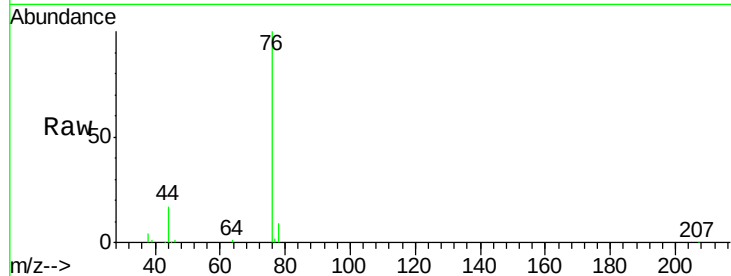
#17
Carbon Disulfide
Concen: 36.992 ug/l
RT: 4.00 min Scan# 751
Delta R.T. -0.01 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

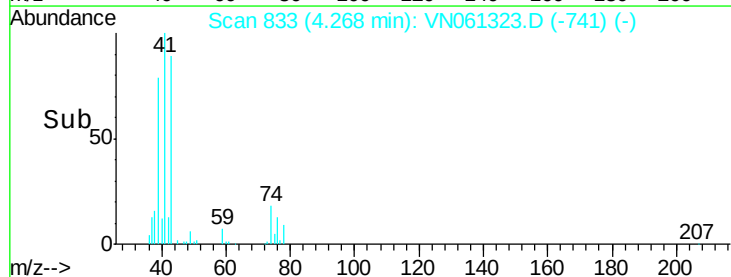
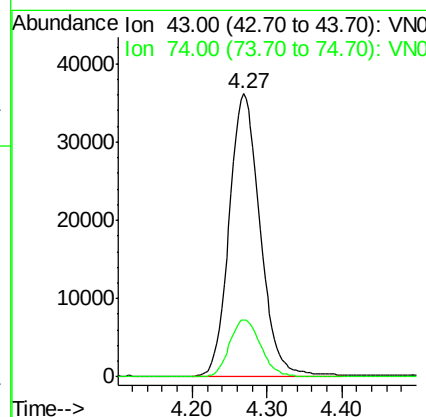
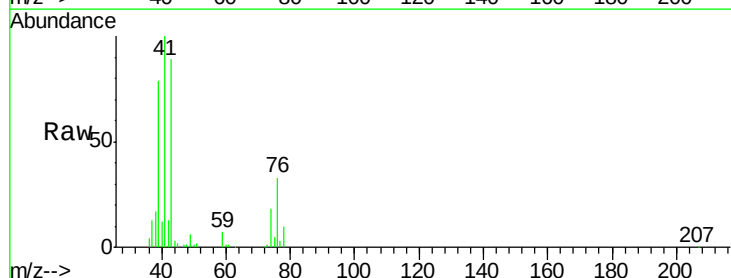
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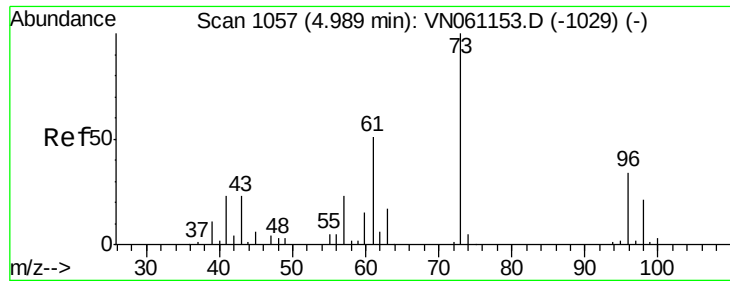
MMDadoda
5/8/2020 1:18:12 PM



#18
Methyl Acetate
Concen: 47.360 ug/l
RT: 4.27 min Scan# 833
Delta R.T. -0.01 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	17.0	25.4





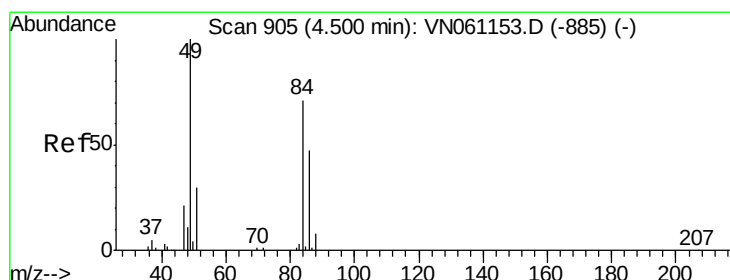
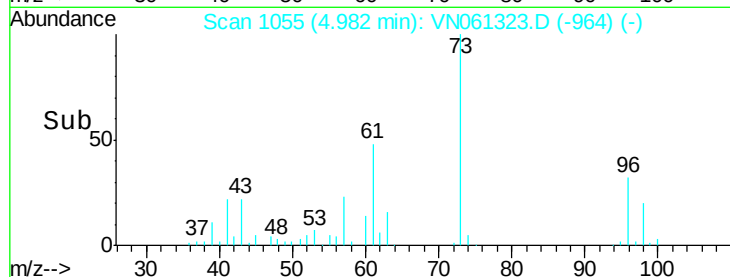
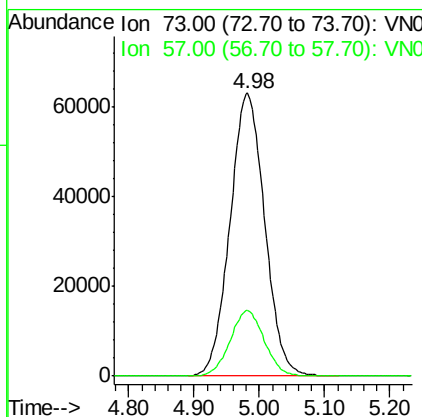
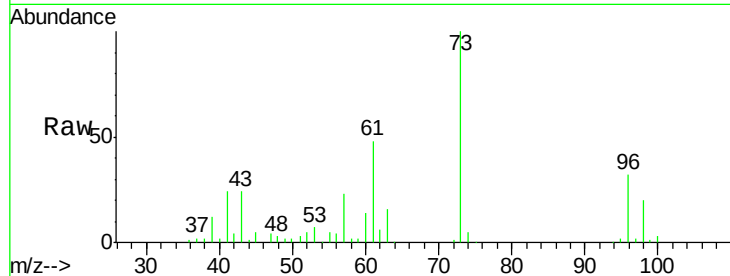
#19
Methyl tert-butyl Ether
Concen: 52.558 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 233426
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5

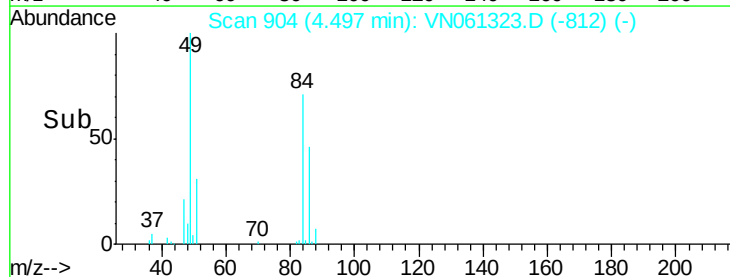
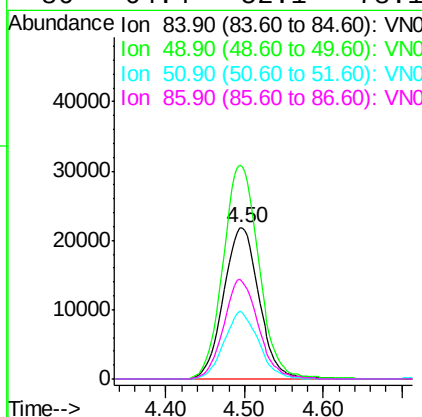
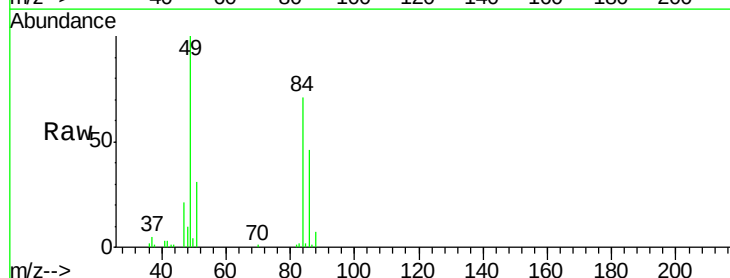
Manual Integrations
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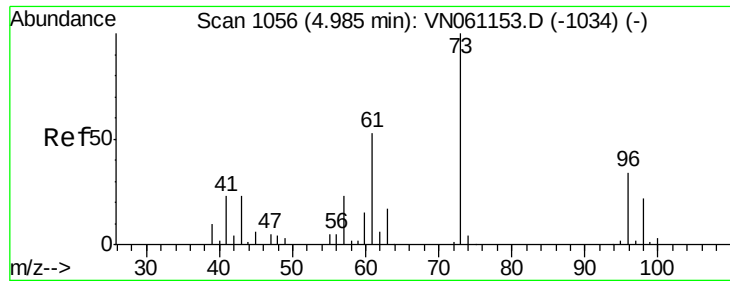
MMDadoda
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#20
Methylene Chloride
Concen: 50.296 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion: 84 Resp: 68363
Ion Ratio Lower Upper
84 100
49 140.1 112.0 168.0
51 43.6 33.6 50.4
86 64.4 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 51.365 ug/l

RT: 4.98 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

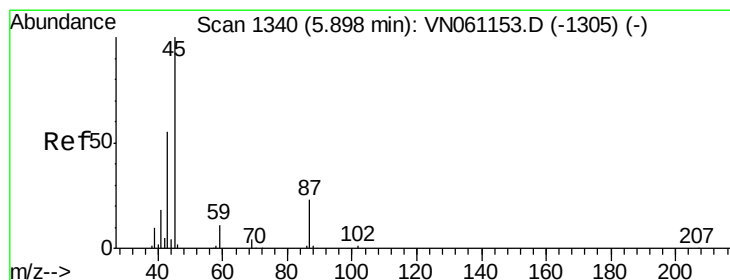
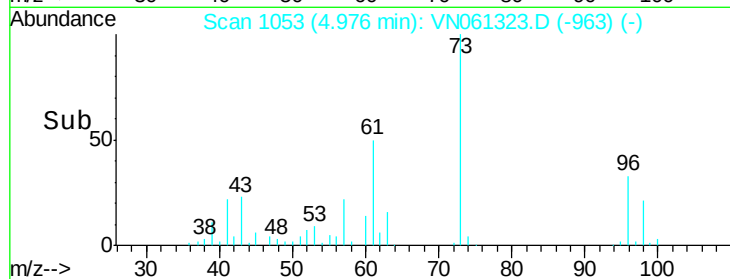
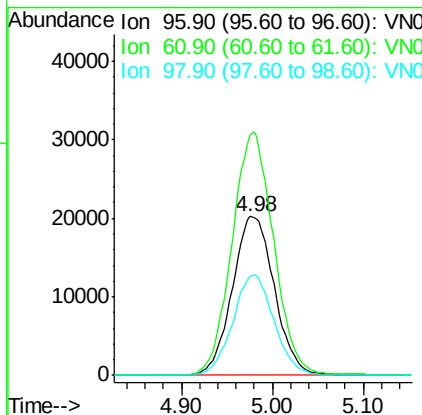
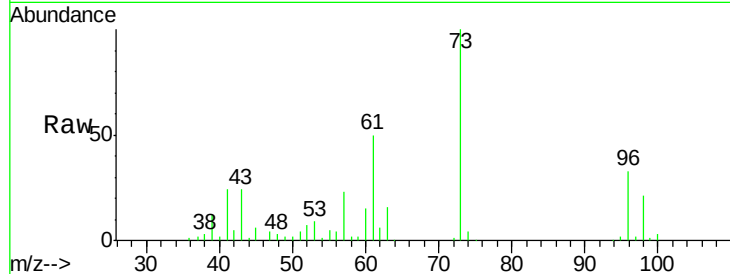
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	65009
Ion	Ratio	Lower	Upper
96	100		
61	151.2	123.0	184.4
98	62.4	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.930 ug/l

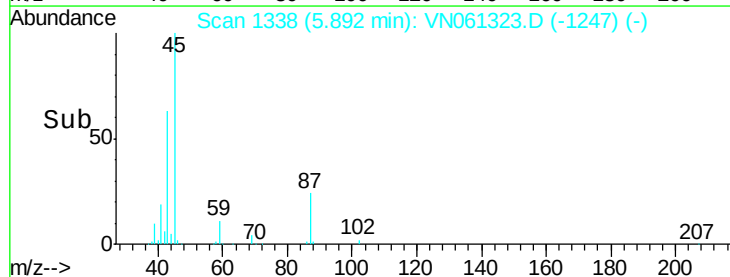
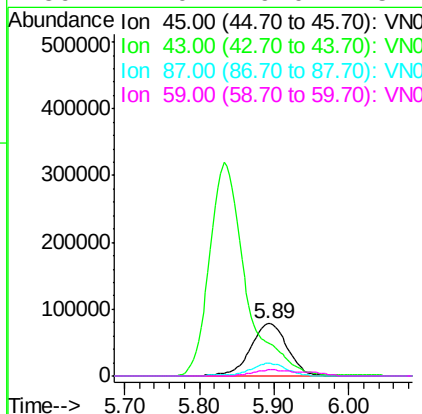
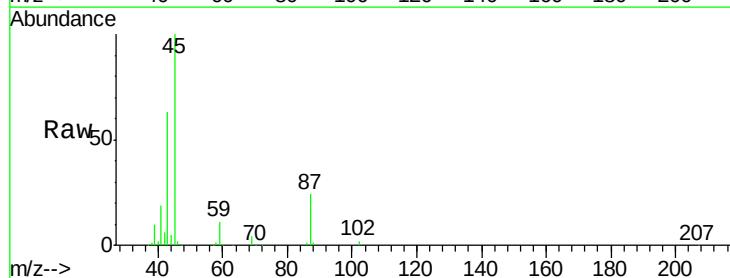
RT: 5.89 min Scan# 1338

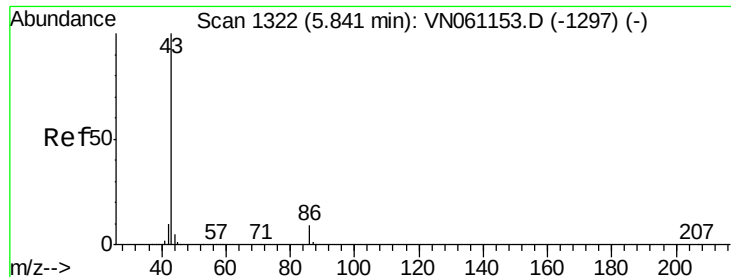
Delta R.T. -0.01 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Tgt Ion:	45	Resp:	269518
Ion	Ratio	Lower	Upper
45	100		
43	61.0	47.9	71.9
87	23.8	19.2	28.8
59	11.0	9.0	13.4





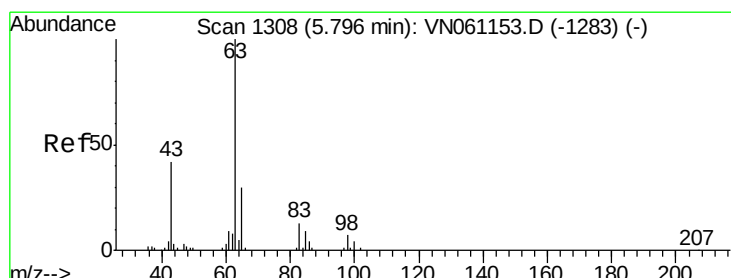
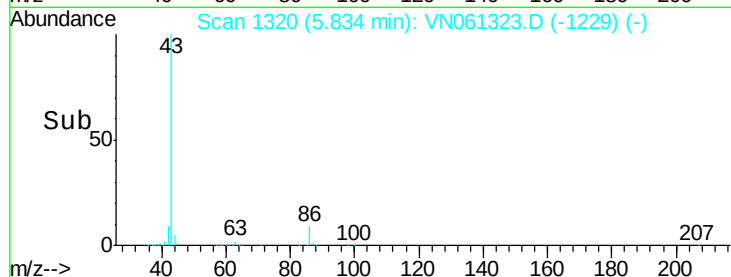
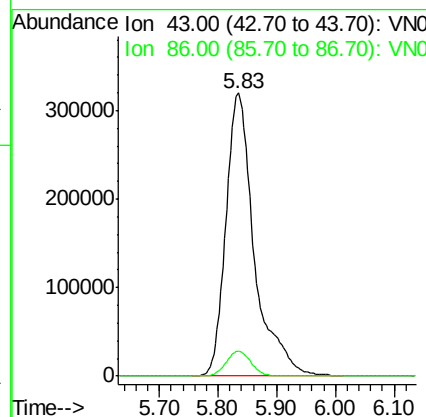
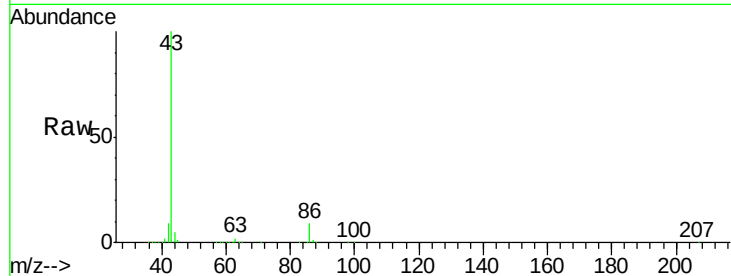
#23
 Vinyl Acetate
 Concen: 267.542 ug/l
 RT: 5.83 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1076564
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.2 10.8

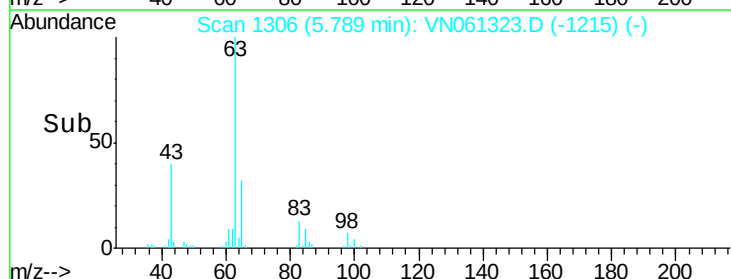
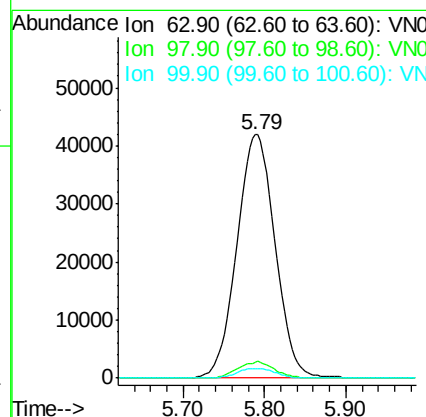
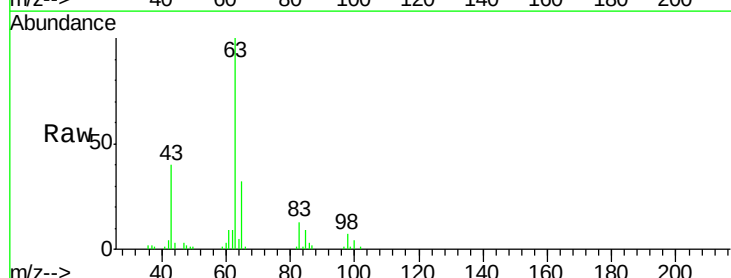
Manual Integrations
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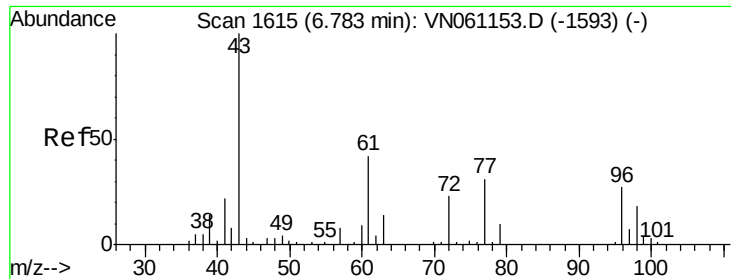
MMDadoda
 5/8/2020 1:18:12 PM



#24
 1,1-Dichloroethane
 Concen: 52.049 ug/l
 RT: 5.79 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Tgt Ion: 63 Resp: 135907
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.0 1.9 5.7





#25

2-Butanone

Concen: 273.998 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. -0.01 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 282615

Ion Ratio Lower Upper

43 100

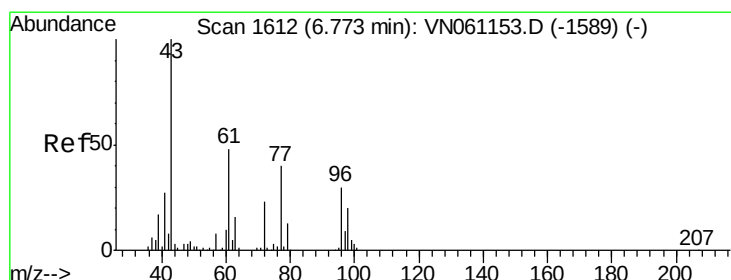
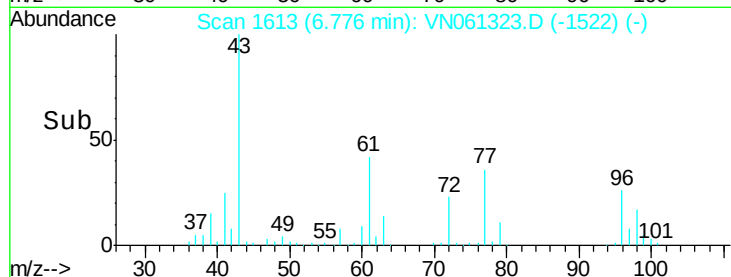
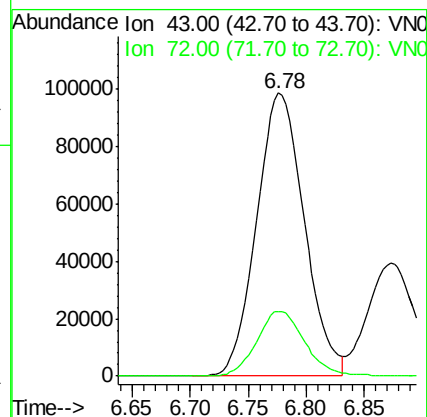
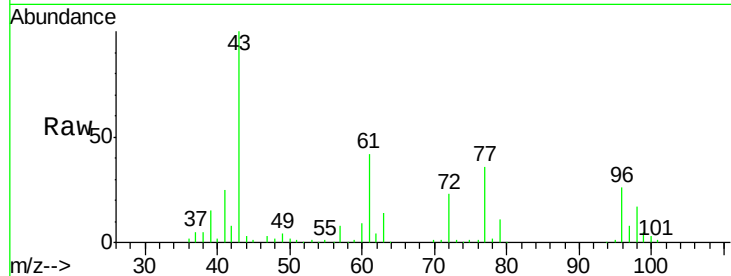
72 23.0 18.2 27.4

Manual Integrations

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MMDadoda

5/8/2020 1:18:12 PM



#26

2,2-Dichloropropane

Concen: 56.214 ug/l

RT: 6.77 min Scan# 1610

Delta R.T. -0.01 min

Lab File: VN061323.D

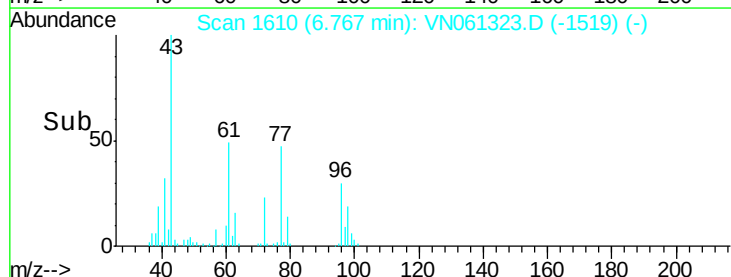
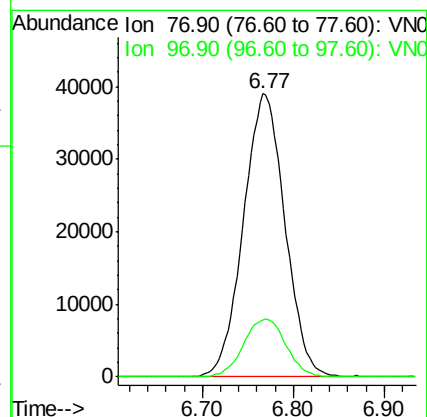
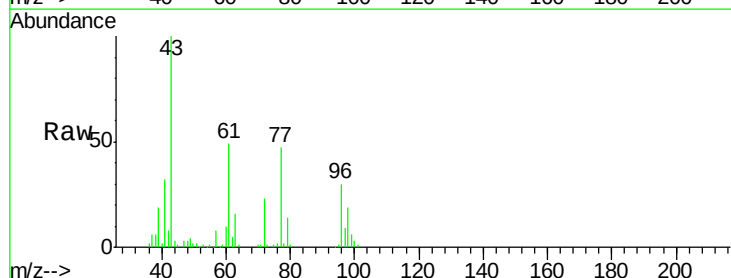
Acq: 7 May 2020 10:35

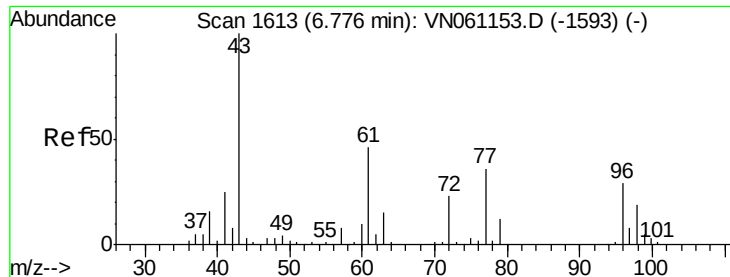
Tgt Ion: 77 Resp: 123632

Ion Ratio Lower Upper

77 100

97 20.8 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 51.528 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Tot Ion:	96	Resp:	76531
Ion	Ratio	Lower	Upper
96	100		
61	164.0	0.0	322.0
98	63.6	0.0	129.6

Instrument :

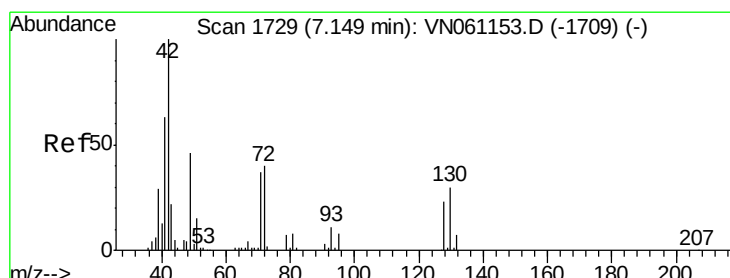
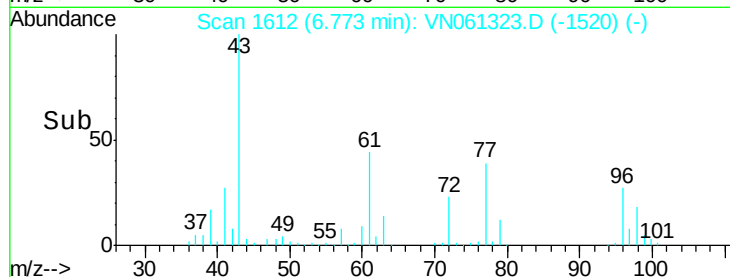
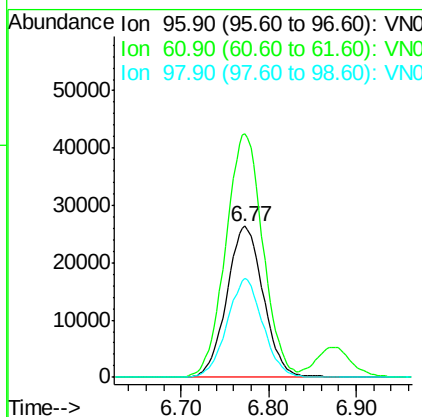
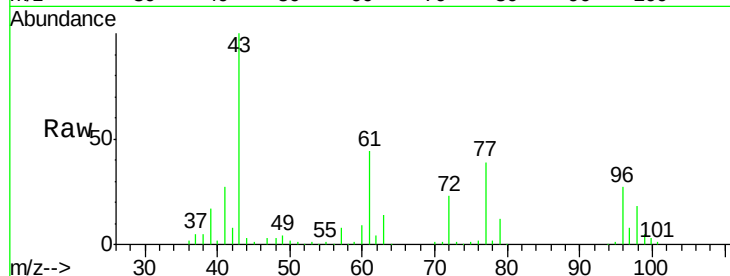
MSVOA_N

ClientSampleId :

VSTDCCC050

Manual Integrations
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#28

Bromochloromethane

Concen: 52.789 ug/l

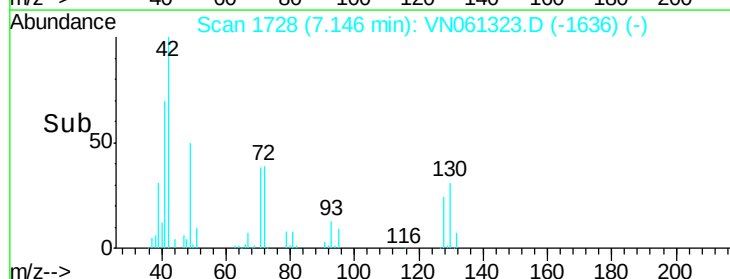
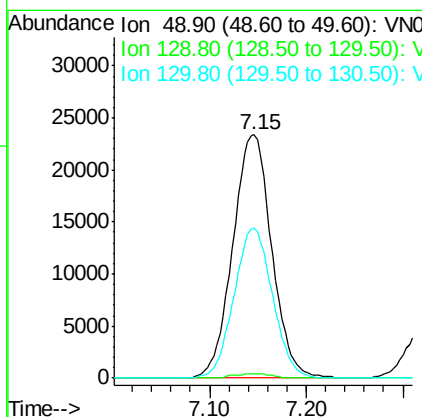
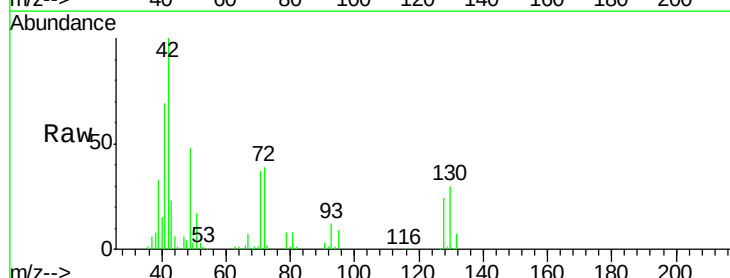
RT: 7.15 min Scan# 1728

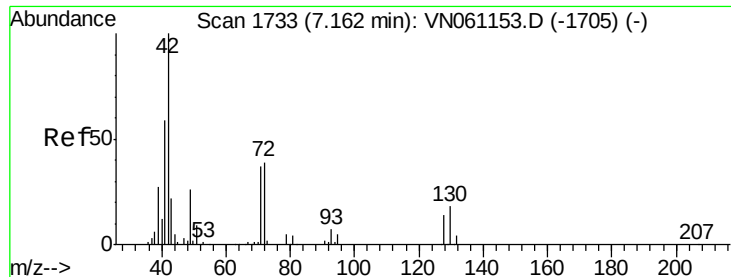
Delta R.T. -0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Tgt Ion:	49	Resp:	65332
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	60.9	51.4	77.2





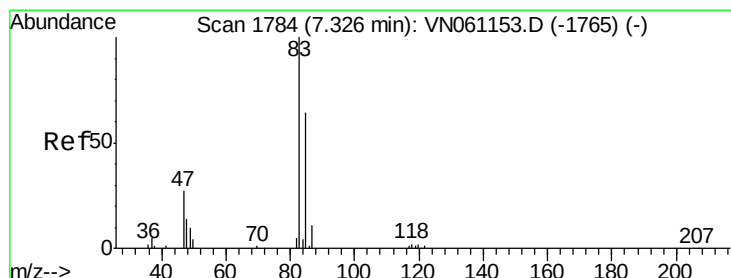
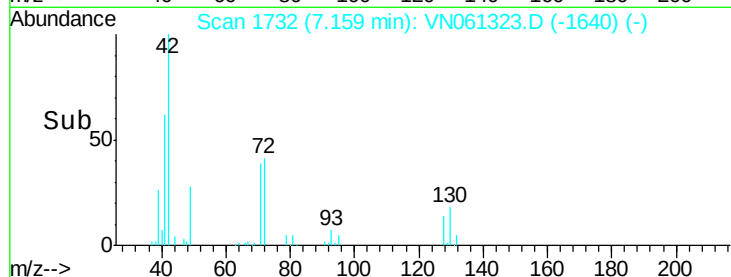
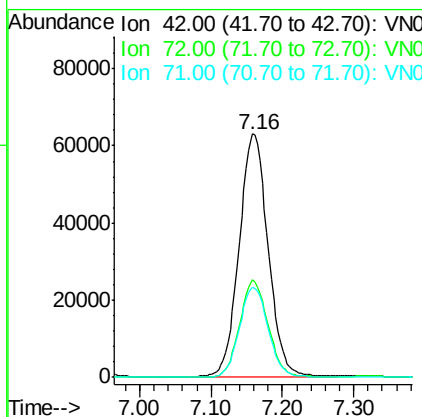
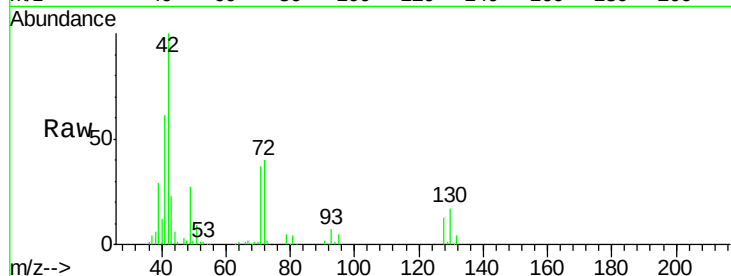
#29
Tetrahydrofuran
Concen: 259.200 ug/l
RT: 7.16 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.4	47.0
71	36.5	29.5	44.3

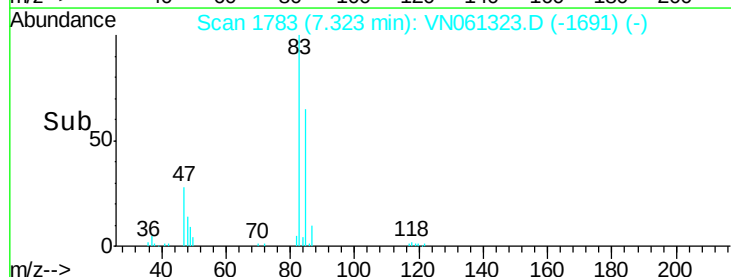
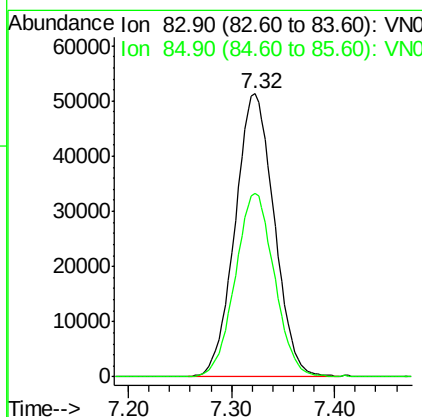
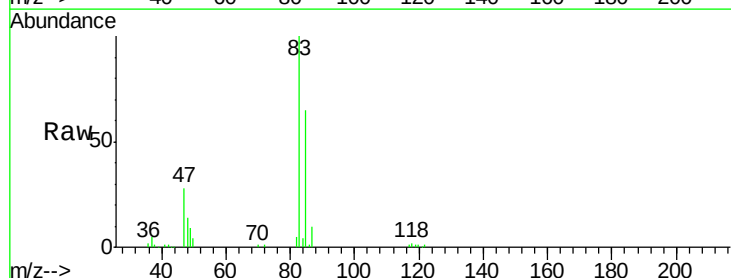
Manual Integrations
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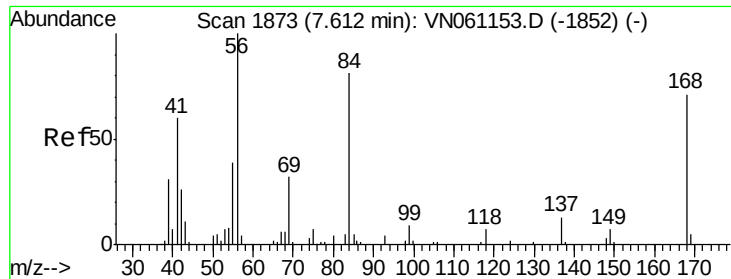
MMDadoda
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#30
Chloroform
Concen: 51.183 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.1	76.7





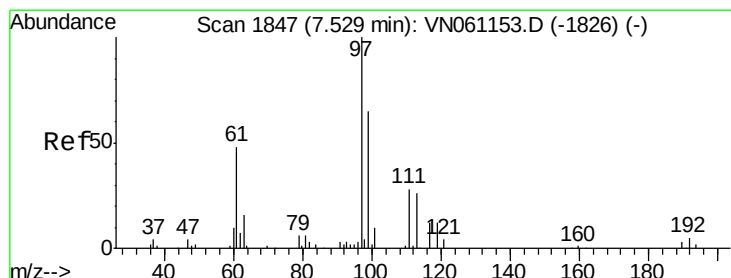
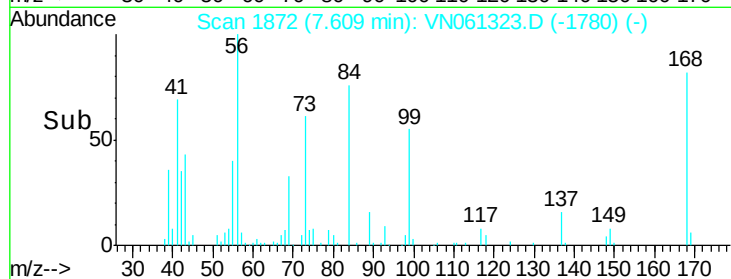
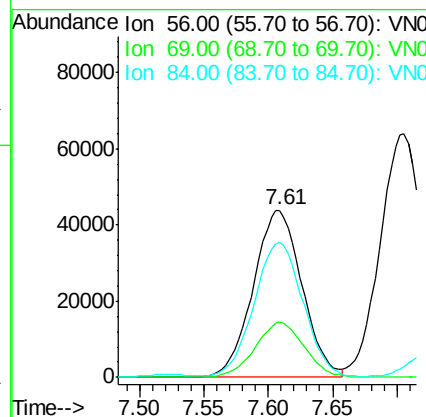
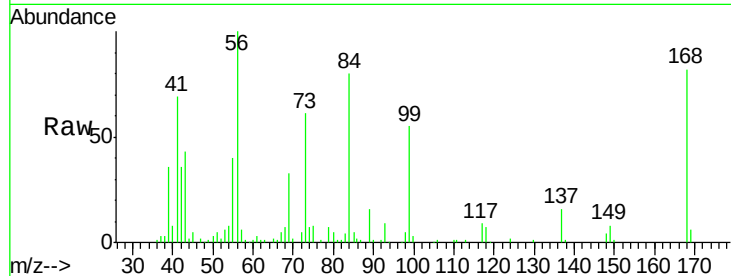
#31
Cyclohexane
Concen: 45.618 ug/l
RT: 7.61 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.7	38.5
84	79.1	64.6	97.0

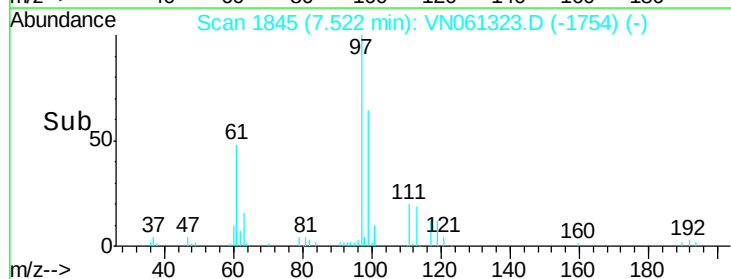
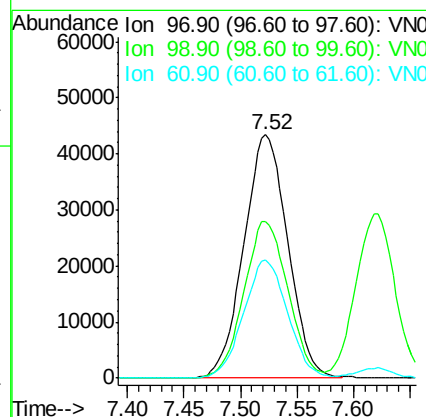
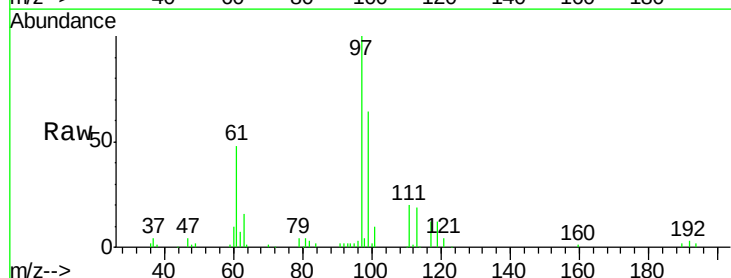
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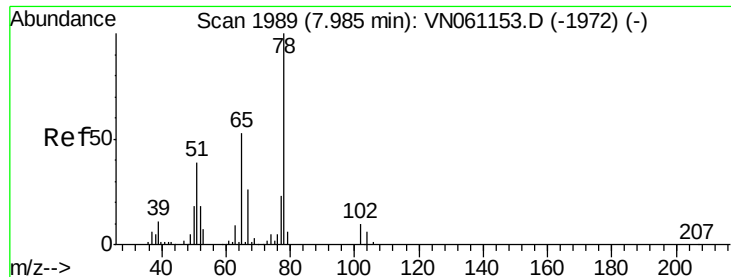
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#32
1,1,1-Trichloroethane
Concen: 50.894 ug/l
RT: 7.52 min Scan# 1845
Delta R.T. -0.01 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	48.5	38.6	57.8





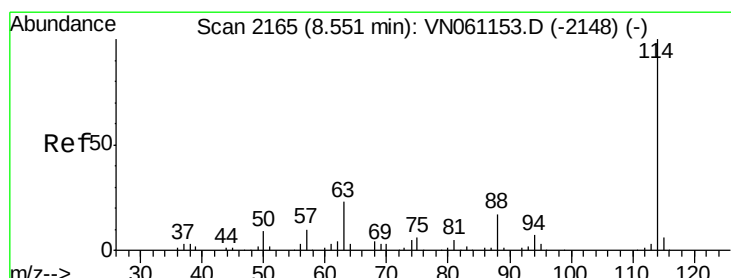
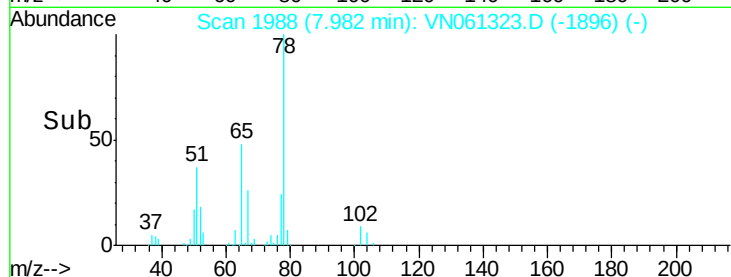
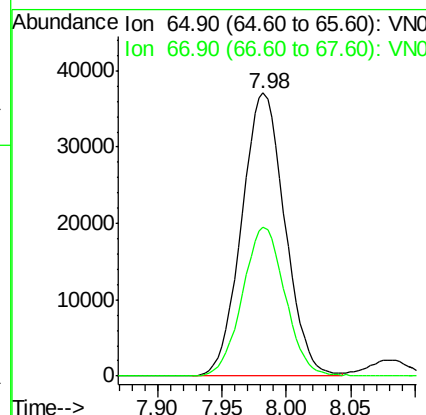
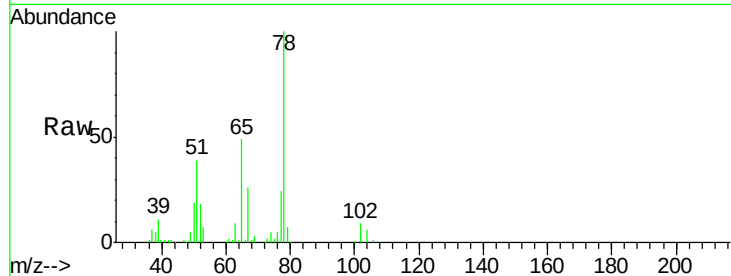
#33
 1,2-Dichloroethane-d4
 Concen: 49.766 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	65	Resp	86747
Ion Ratio	Lower	Upper	
65	100		
67	51.7	0.0	101.6

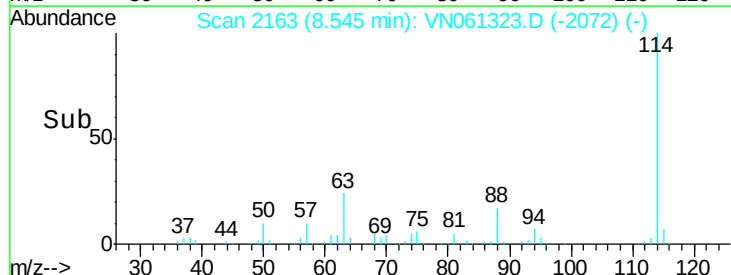
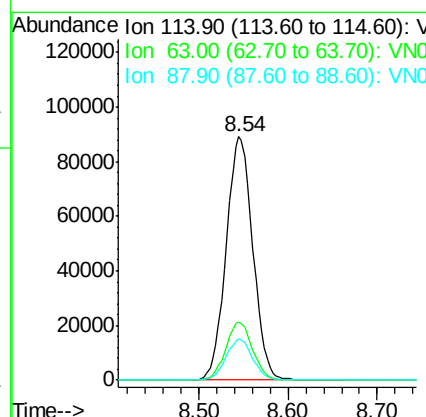
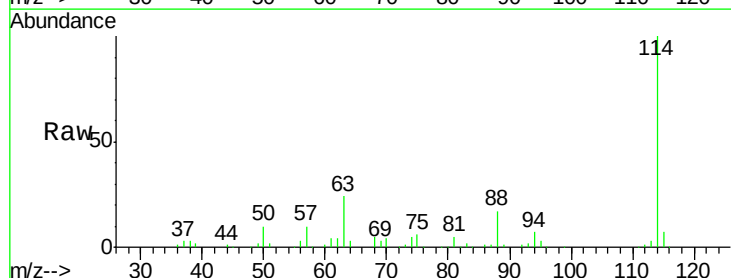
Manual Integrations
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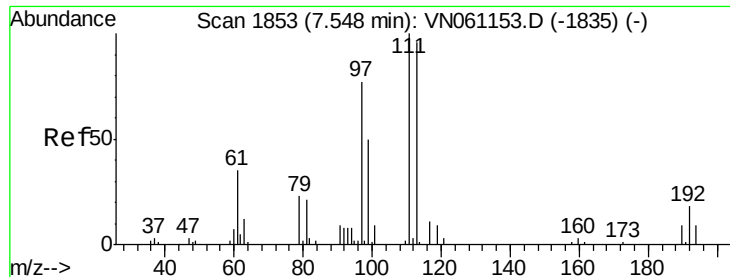
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Tgt Ion	114	Resp	184391
Ion Ratio	Lower	Upper	
114	100		
63	23.9	0.0	46.6
88	17.0	0.0	33.4





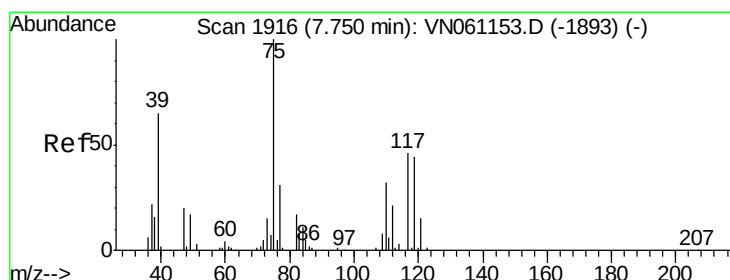
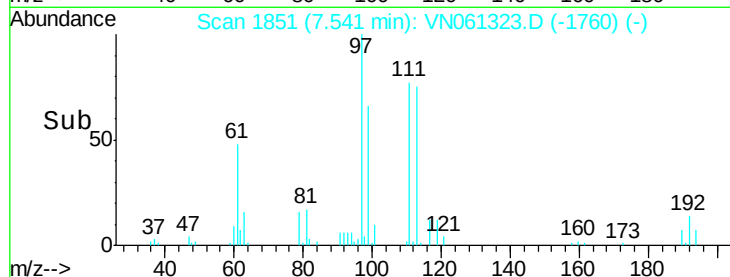
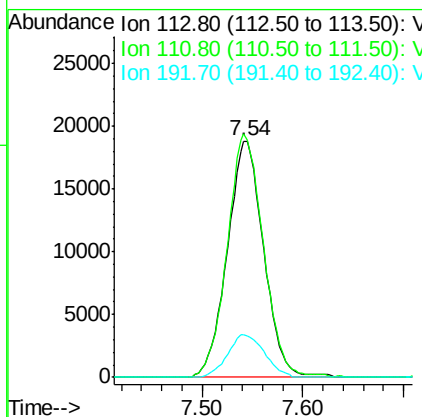
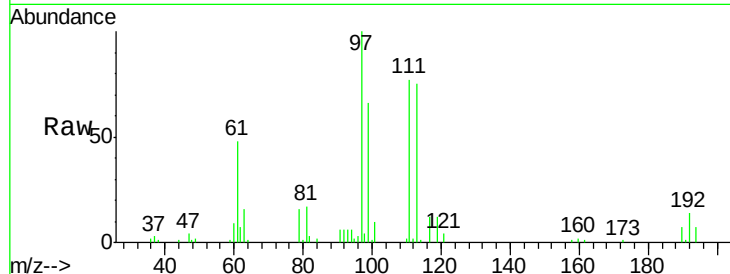
#35
 Dibromofluoromethane
 Concen: 43.201 ug/l
 RT: 7.54 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	47104		
111	102.0	82.9	124.3	
192	18.3	14.7	22.1	

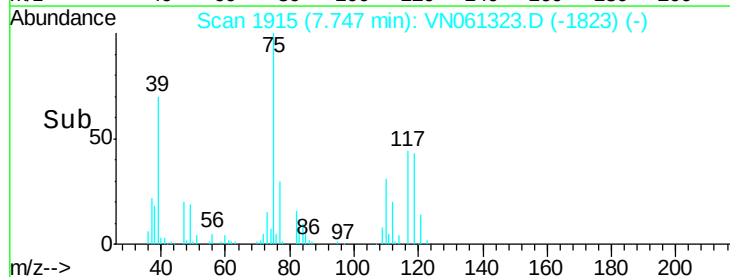
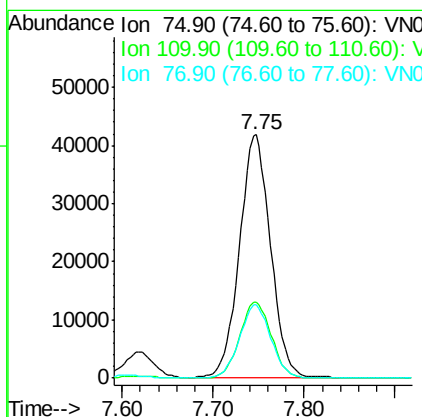
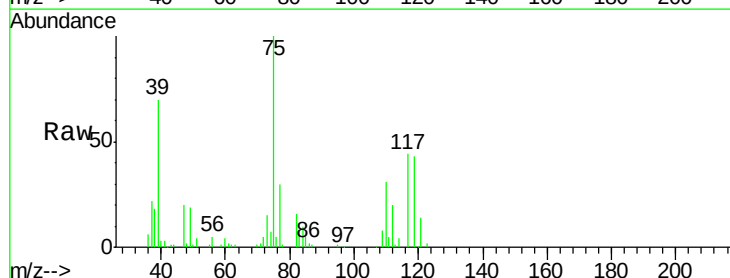
Manual Integrations
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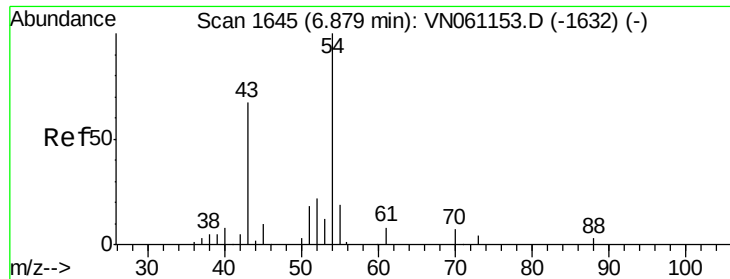
MMDadoda
 5/8/2020 1:18:12 PM



#36
 1,1-Dichloropropene
 Concen: 53.848 ug/l
 RT: 7.75 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99395		
110	31.7	16.0	48.0	
77	30.3	24.6	37.0	





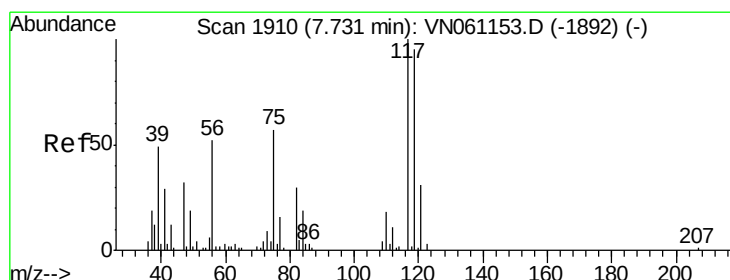
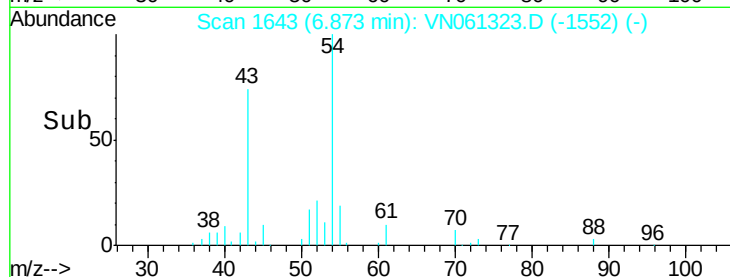
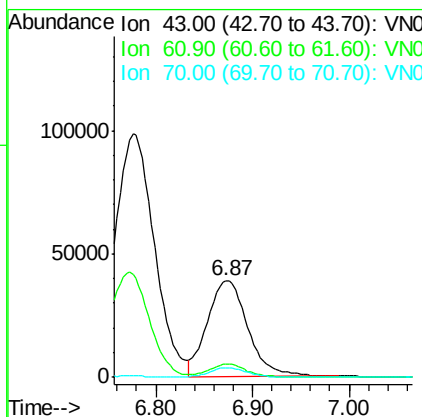
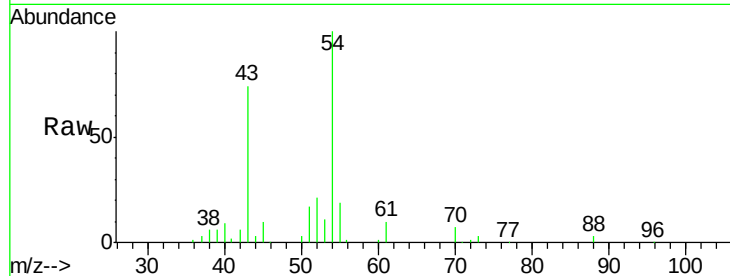
#37
Ethyl Acetate
Concen: 52.584 ug/l
RT: 6.87 min Scan# 1643
Delta R.T. -0.01 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.2
70	9.2	7.2	10.8

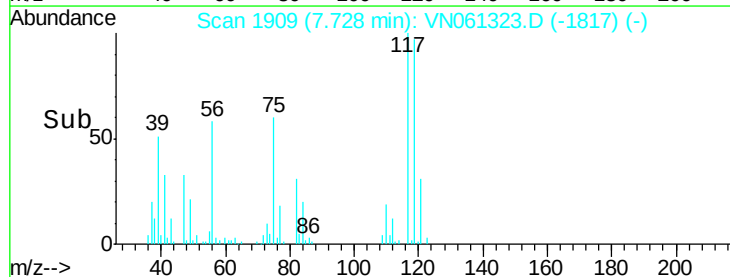
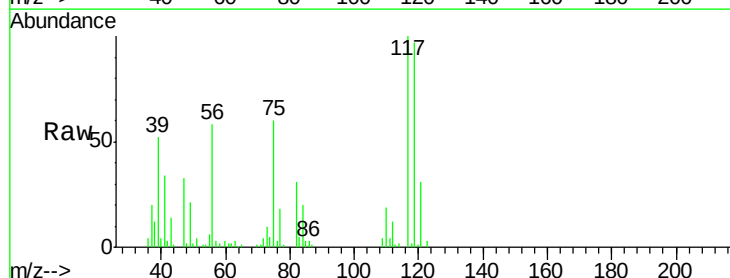
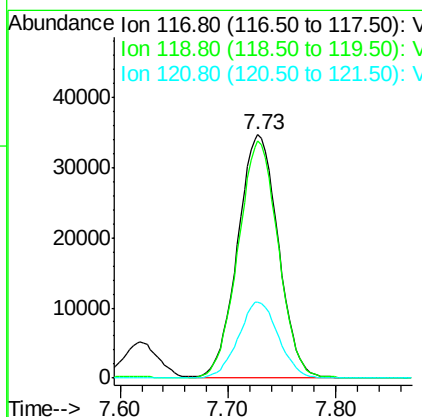
Manual Integrations
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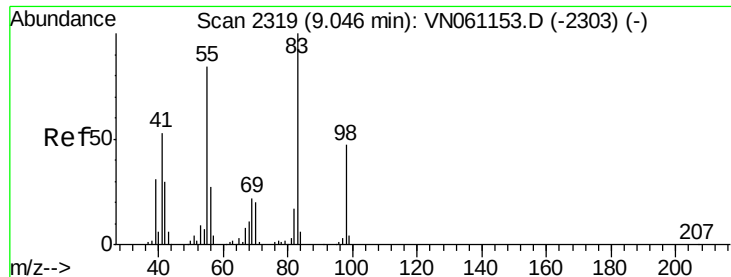
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#38
Carbon Tetrachloride
Concen: 53.747 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.8	113.6
121	31.3	24.7	37.1





#39

Methylvlcyclohexane

Concen: 48.372 ug/l

RT: 9.04 min Scan# 2318

Delta R.T. -0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

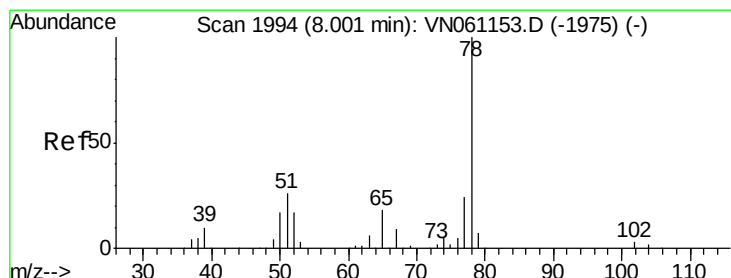
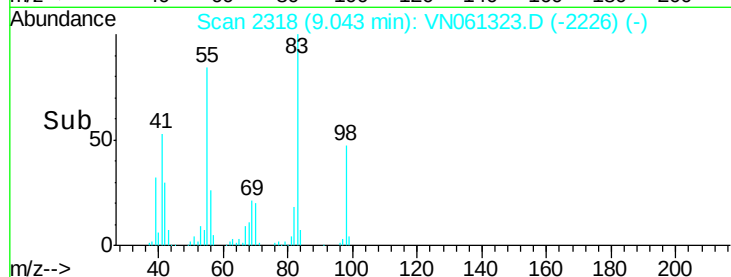
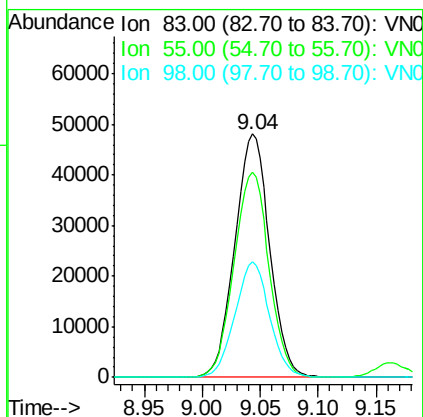
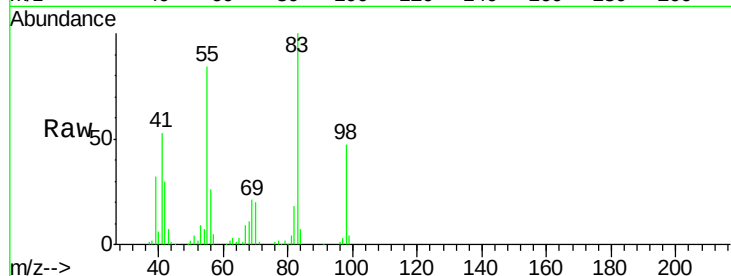
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	100133
Ion	Ratio	Lower	Upper
83	100		
55	84.4	67.3	100.9
98	47.4	37.7	56.5

Manual Integrations
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#40

Benzene

Concen: 52.198 ug/l

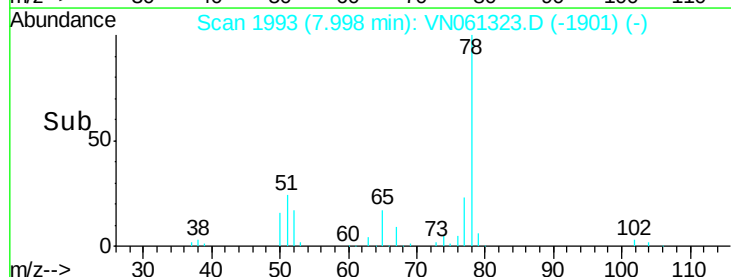
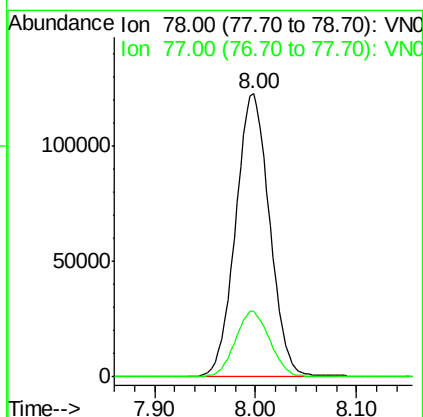
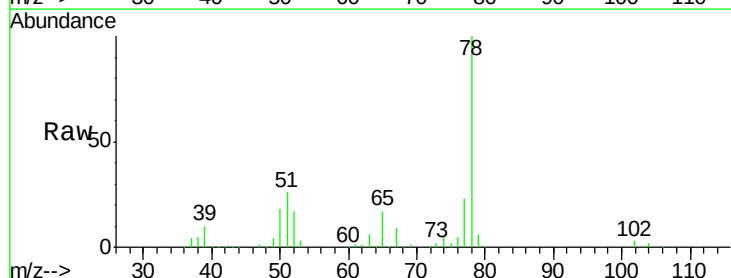
RT: 8.00 min Scan# 1993

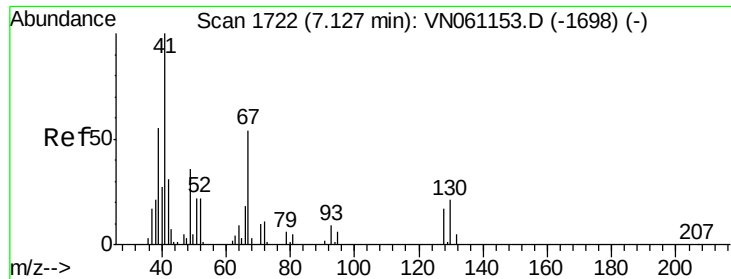
Delta R.T. -0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Tgt Ion:	78	Resp:	287047
Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





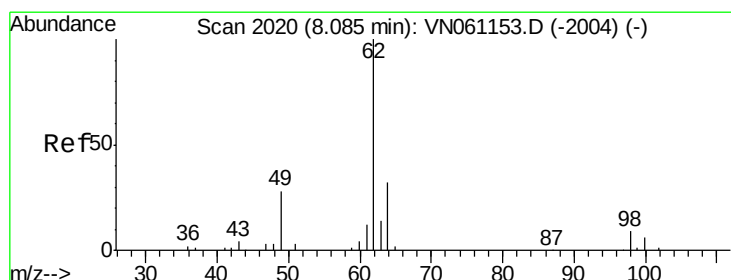
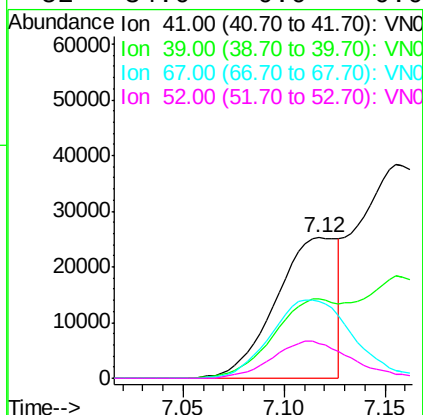
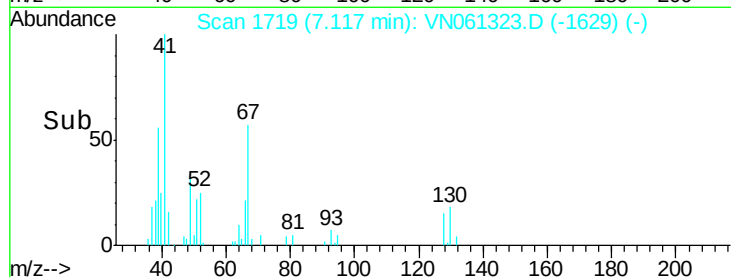
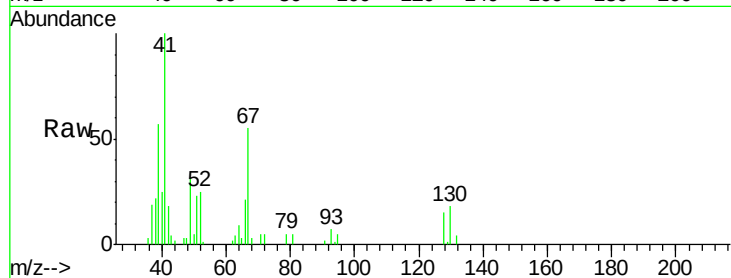
#41
Methacrylonitrile
Concen: 59.591 ug/l
RT: 7.12 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	57.1	0.0	0.0#		
67	75.5	0.0	0.0#		
52	34.0	0.0	0.0#		

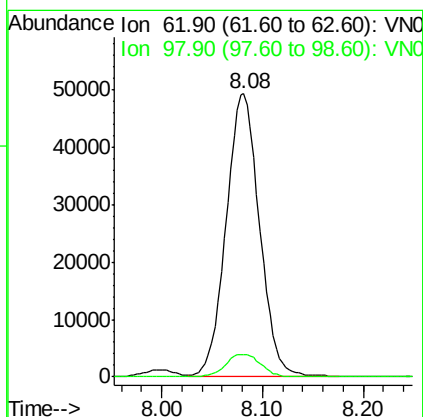
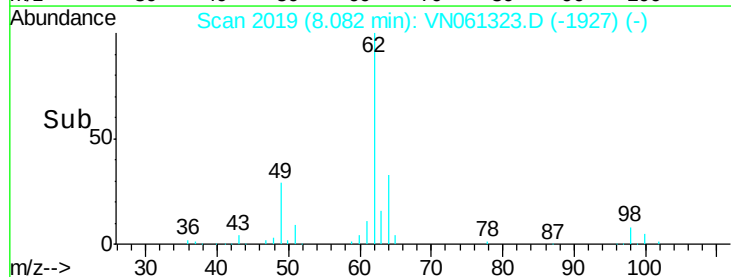
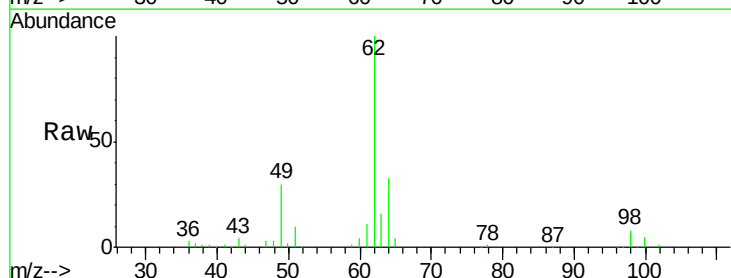
Manual Integrations
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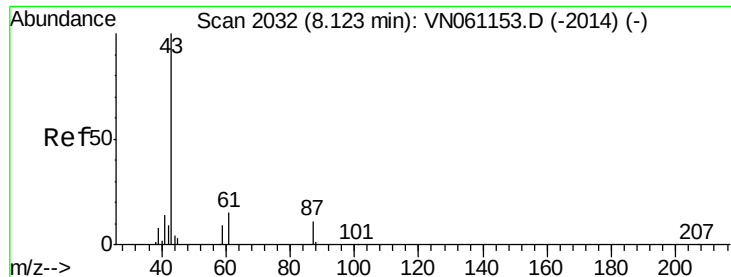
MMDadoda
5/8/2020 1:18:12 PM



#42
1,2-Dichloroethane
Concen: 54.264 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.3	0.0	16.8		





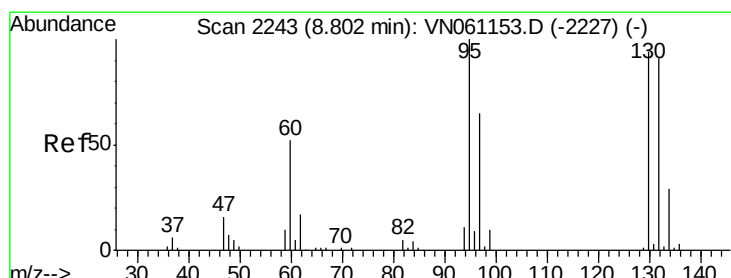
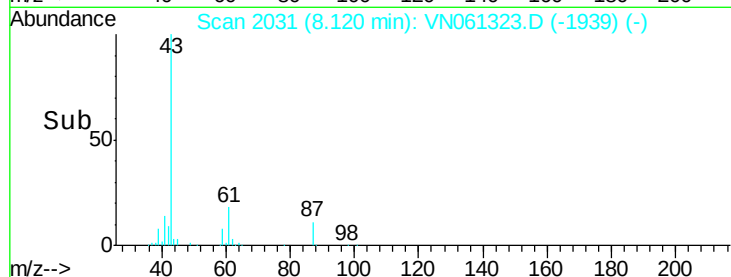
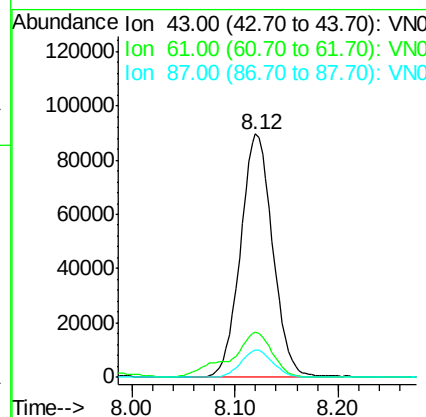
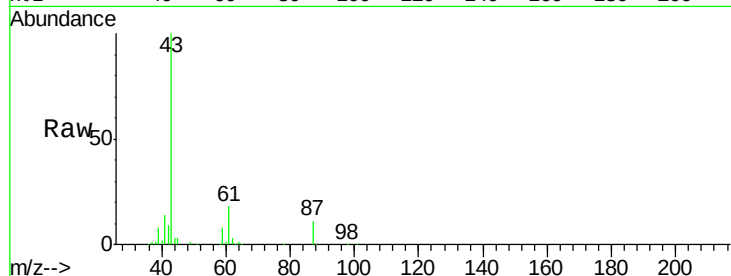
#43
Isopropyl Acetate
Concen: 54.223 ug/l
RT: 8.12 min Scan# 2031
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.2	19.5	29.3
87	11.1	8.9	13.3

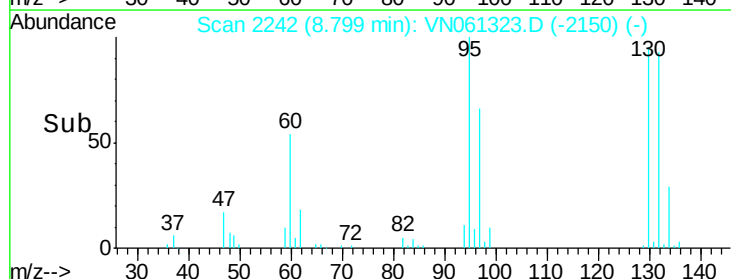
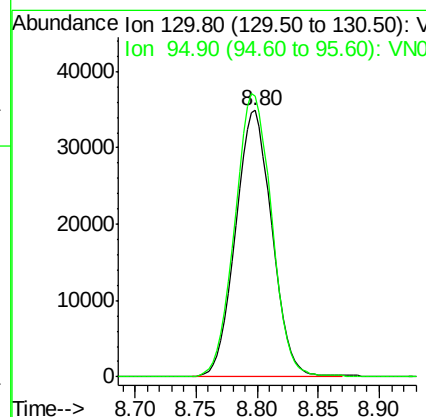
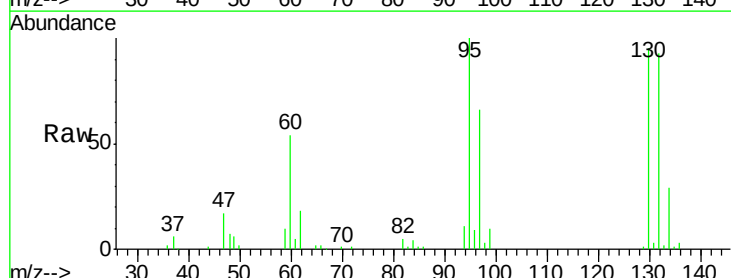
Manual Integrations
APPROVED

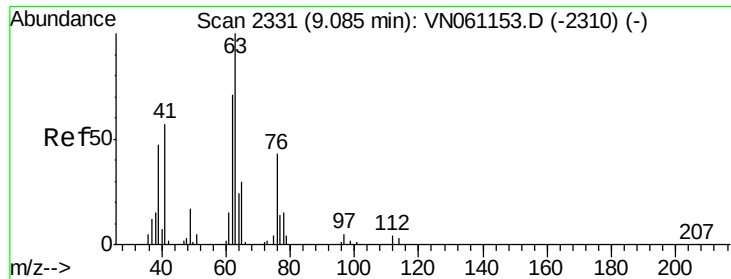
MMDadoda
5/8/2020 1:18:12 PM



#44
Trichloroethene
Concen: 48.654 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	212.4





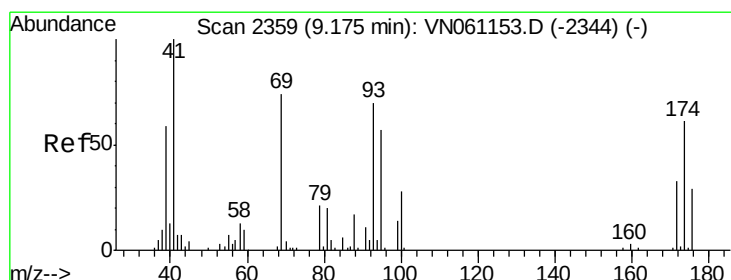
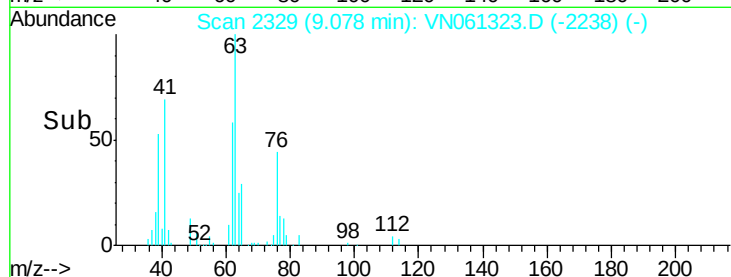
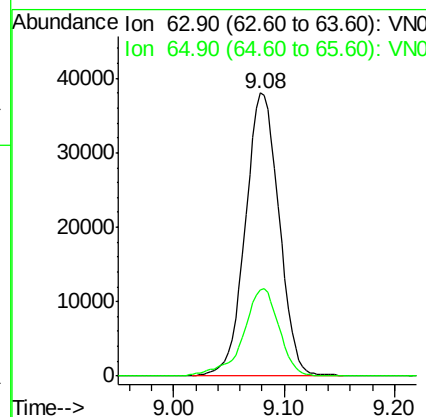
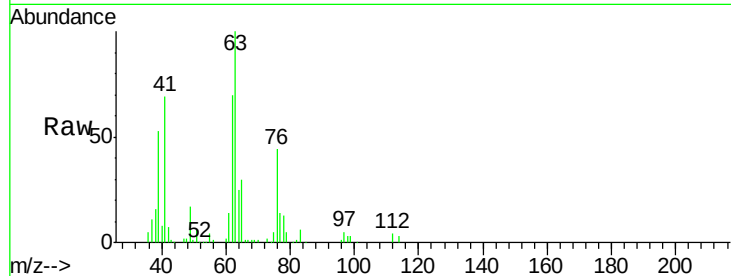
#45
 1,2-Dichloropropane
 Concen: 54.862 ug/l
 RT: 9.08 min Scan# 2329
 Delta R.T. -0.01 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 80601
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1

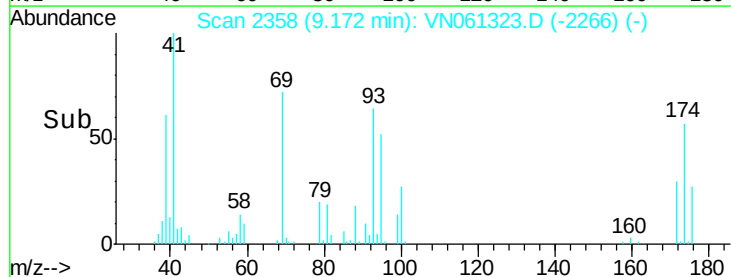
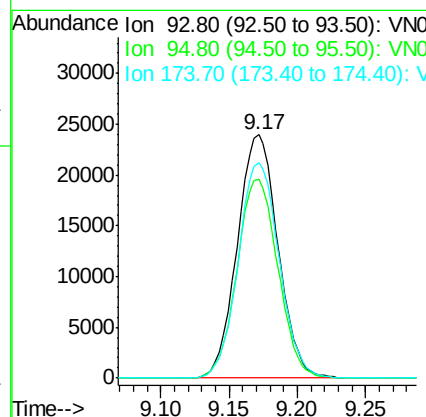
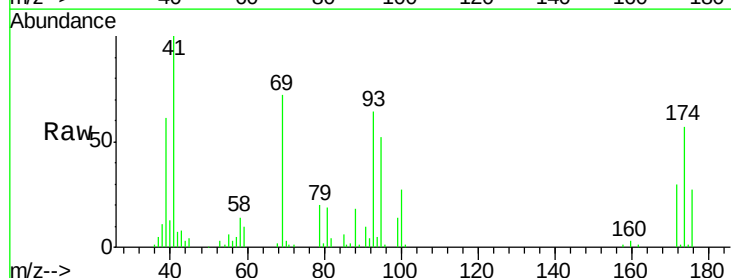
Manual Integrations
 APPROVED

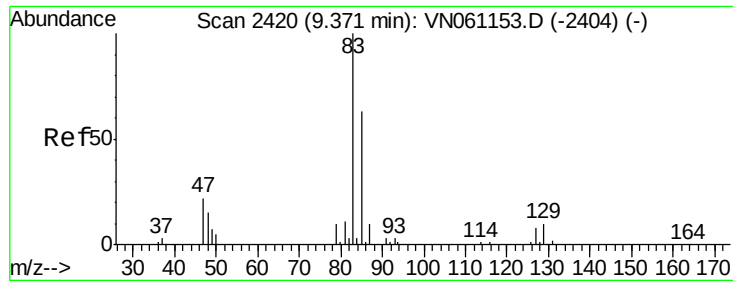
MMDadoda
 5/8/2020 1:18:12 PM



#46
 Dibromomethane
 Concen: 54.491 ug/l
 RT: 9.17 min Scan# 2358
 Delta R.T. -0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Tgt Ion: 93 Resp: 49568
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.6 99.8
 174 89.0 70.2 105.2





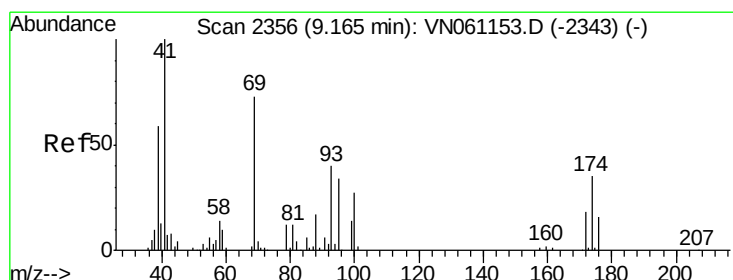
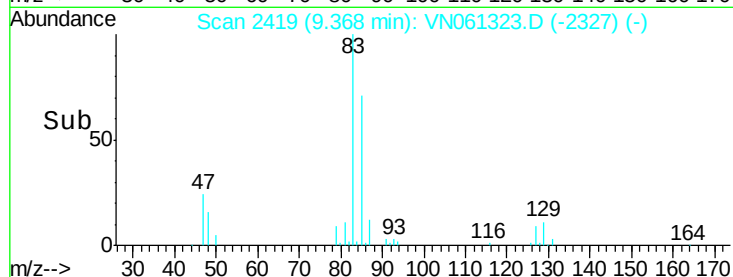
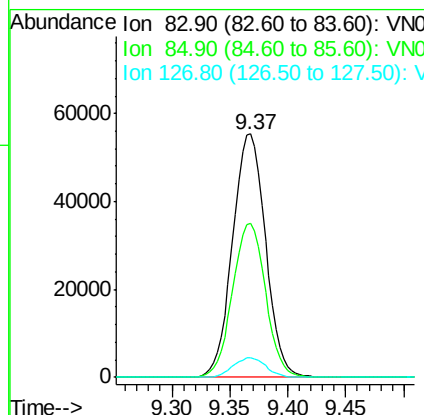
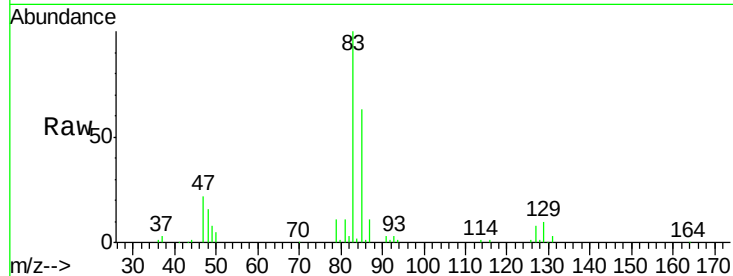
#47
Bromodichloromethane
Concen: 56.099 ug/l
RT: 9.37 min Scan# 2419
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	109534
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	50.4	75.6
127	8.0	6.2	9.2

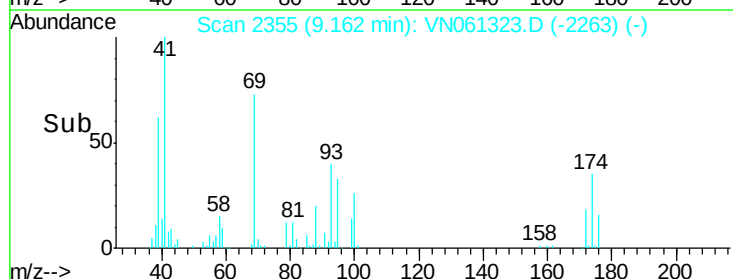
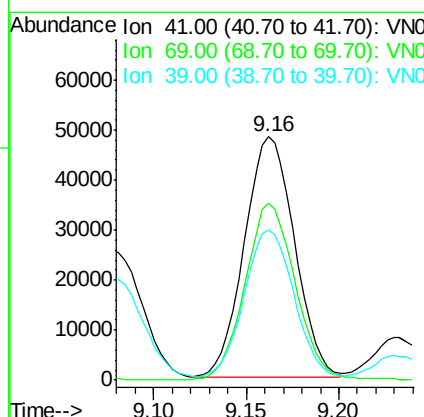
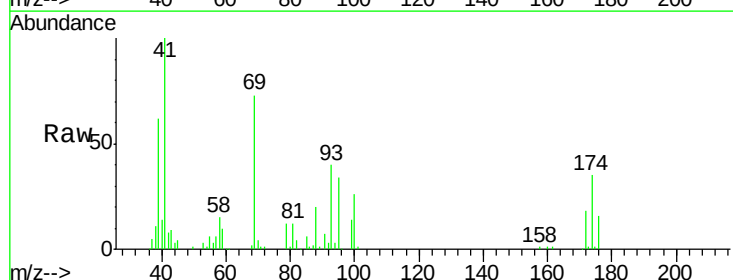
Manual Integrations
APPROVED

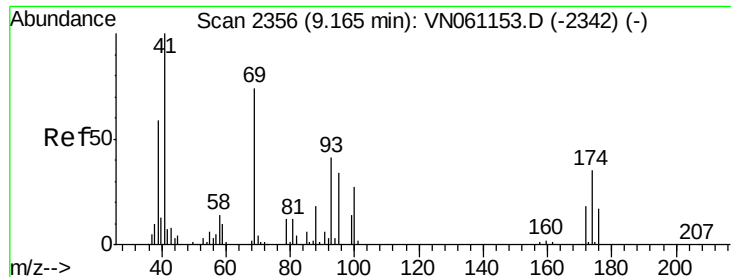
MMDadoda
5/8/2020 1:18:12 PM



#48
Methyl methacrylate
Concen: 55.709 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion	41	Resp	90281
Ion Ratio	100	Lower	Upper
41	100		
69	74.0	60.3	90.5
39	63.5	47.4	71.0





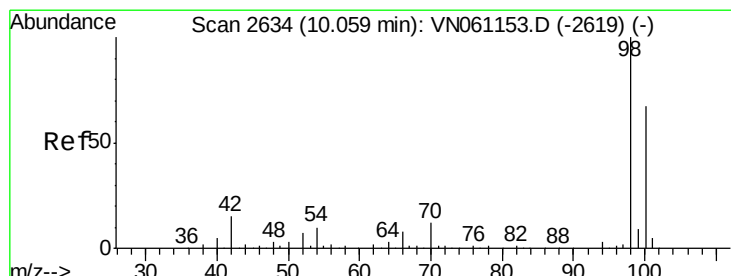
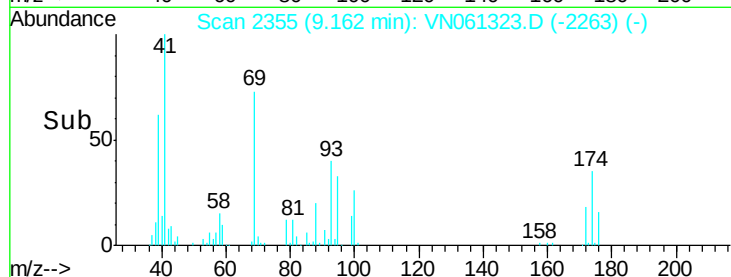
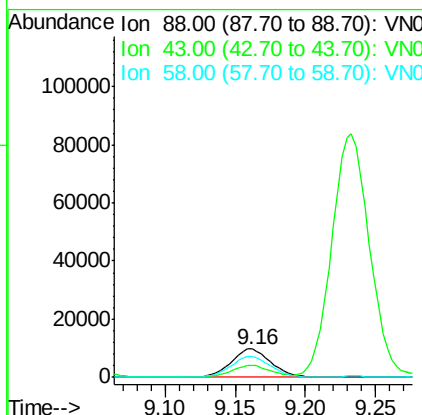
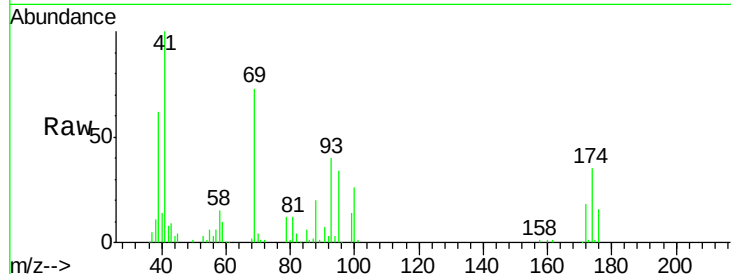
#49
1,4-Dioxane
Concen: 1061.939 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	41.9		35.3	52.9
58	74.1		61.5	92.3

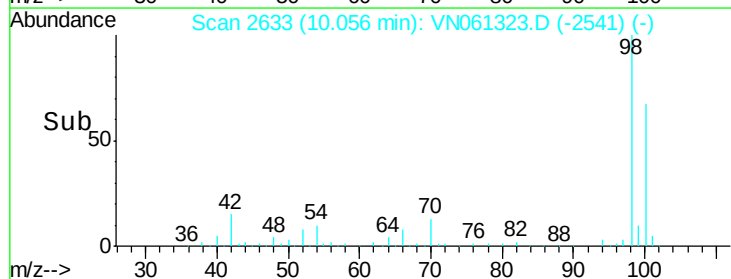
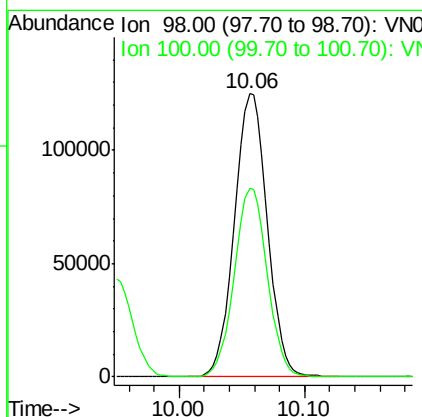
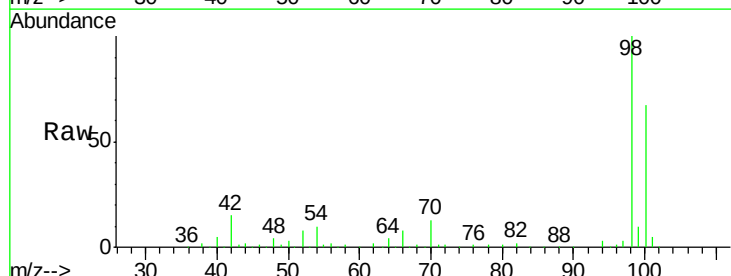
Manual Integrations
APPROVED

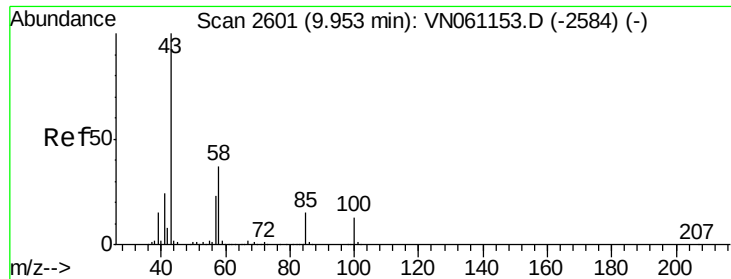
MMDadoda
5/8/2020 1:18:12 PM



#50
Toluene-d8
Concen: 51.361 ug/l
RT: 10.06 min Scan# 2633
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.8		53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 279.225 ug/l

RT: 9.95 min Scan# 2600

Delta R.T. -0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 590254

Ion Ratio Lower Upper

43 100

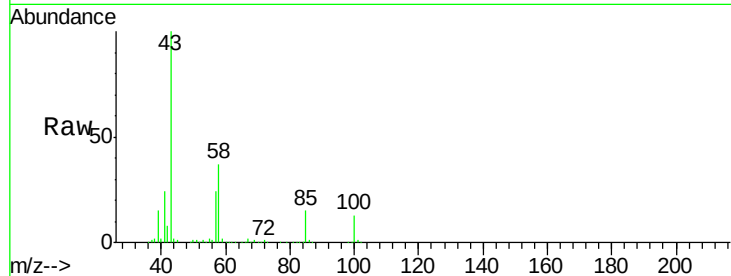
58 36.4 29.1 43.7

Manual Integrations

APPROVED

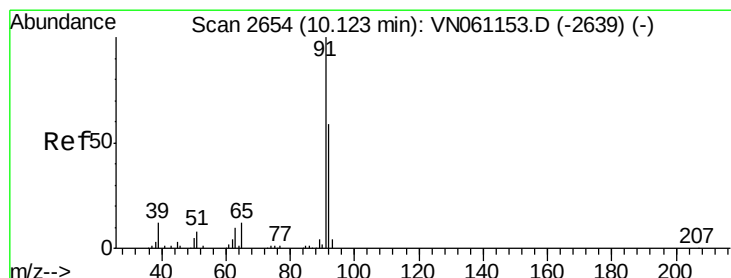
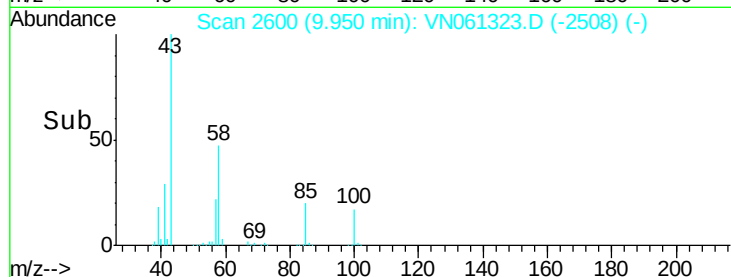
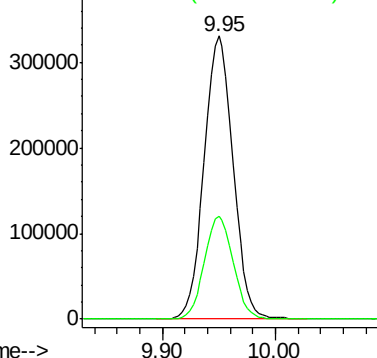
MMDadoda

5/8/2020 1:18:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 54.183 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VN061323.D

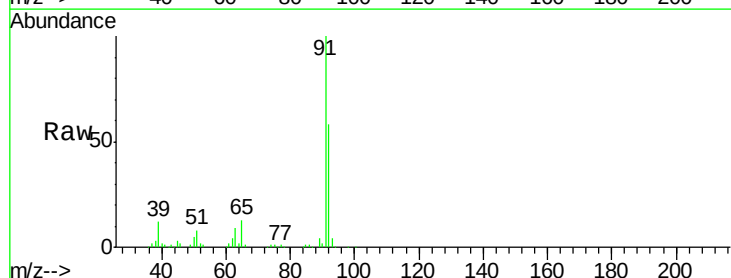
Acq: 7 May 2020 10:35

Tgt Ion: 92 Resp: 179473

Ion Ratio Lower Upper

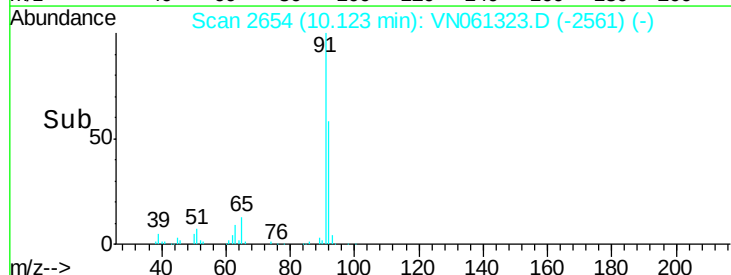
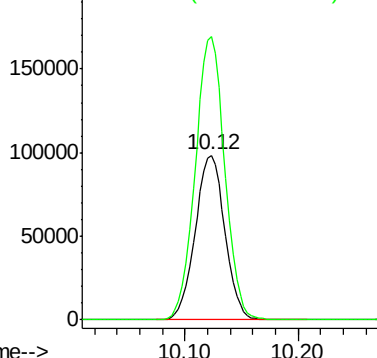
92 100

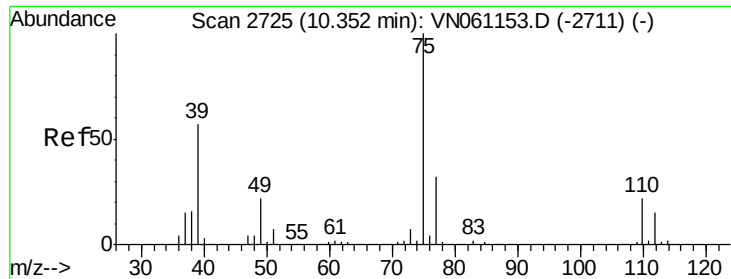
91 171.0 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





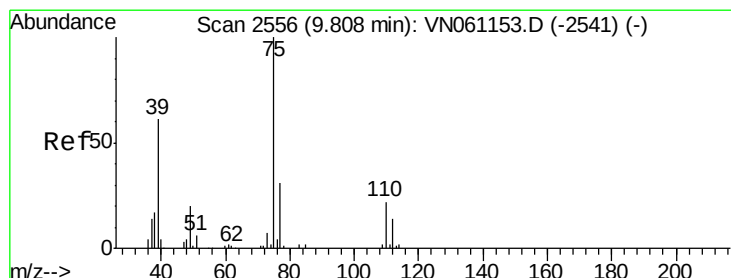
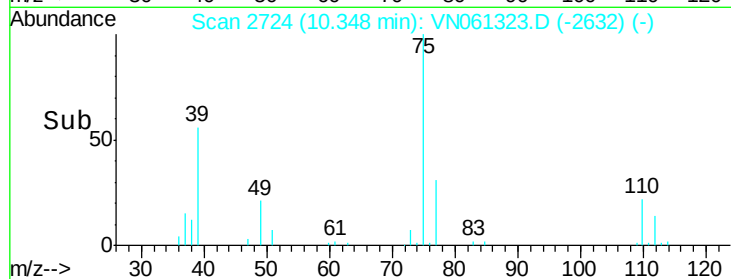
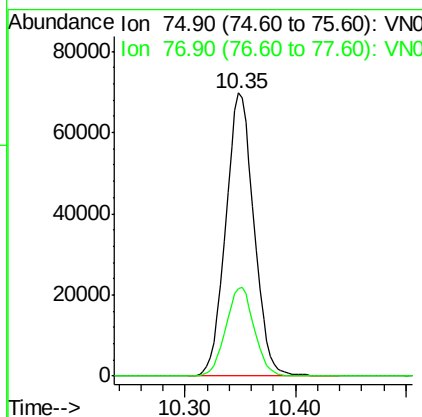
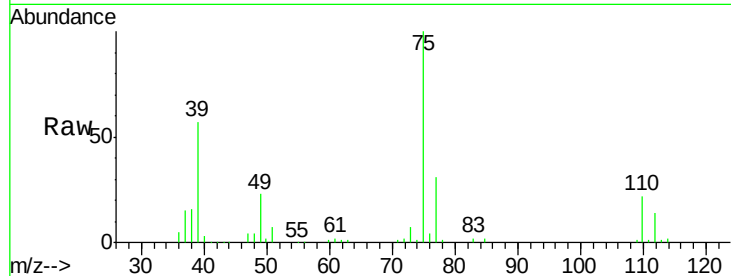
#53
t-1,3-Dichloropropene
Concen: 56.086 ug/l
RT: 10.35 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.5	38.3

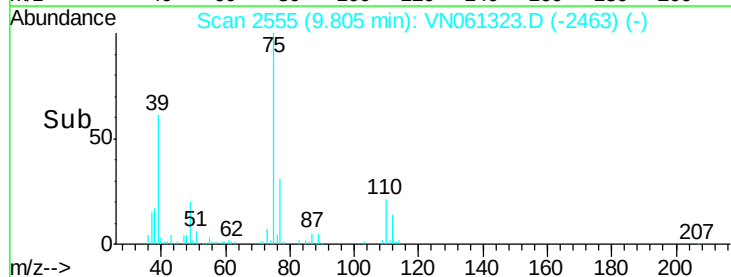
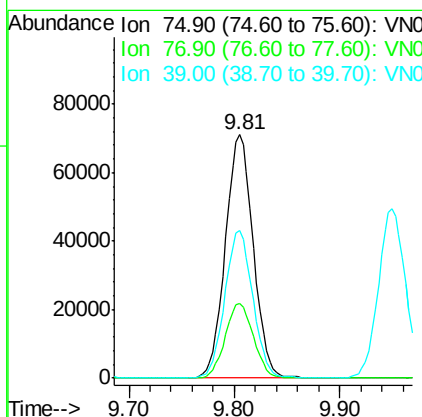
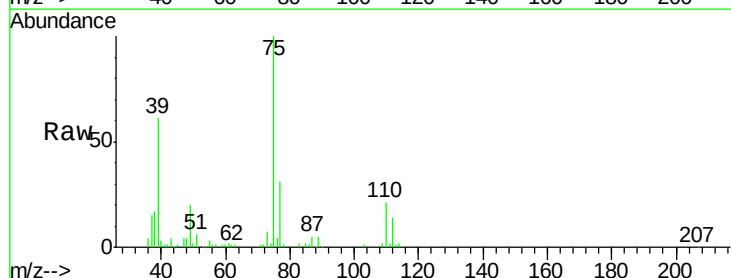
Manual Integrations
APPROVED

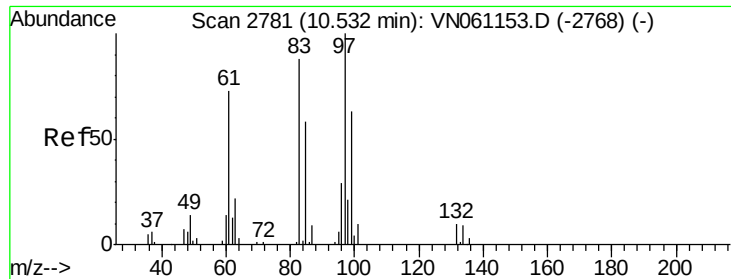
MMDadoda
5/8/2020 1:18:12 PM



#54
cis-1,3-Dichloropropene
Concen: 55.797 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.4
39	60.8	48.7	73.1





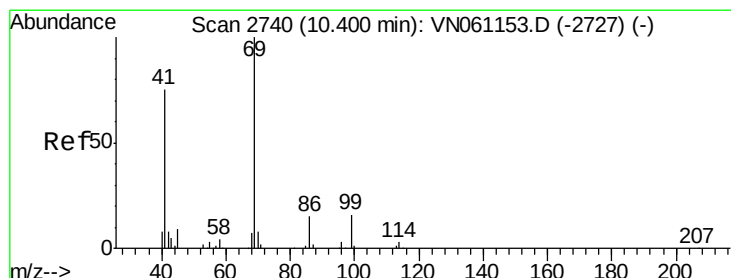
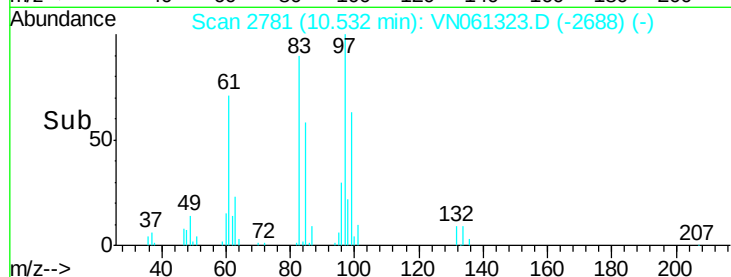
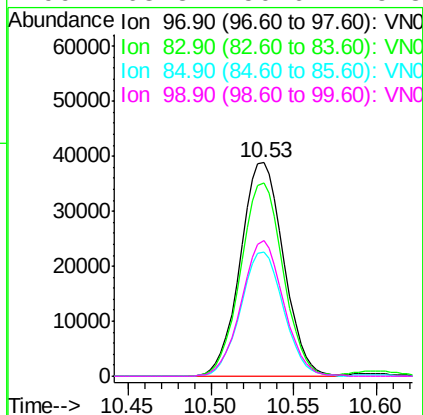
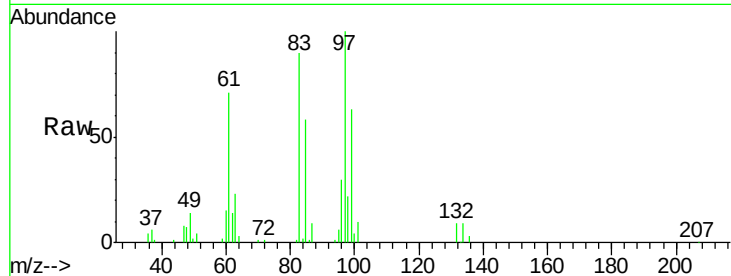
#55
 1,1,2-Trichloroethane
 Concen: 53.346 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	70480
Ion	Ratio	Lower	Upper
97	100		
83	90.4	70.6	106.0
85	58.4	46.4	69.6
99	63.3	50.6	75.8

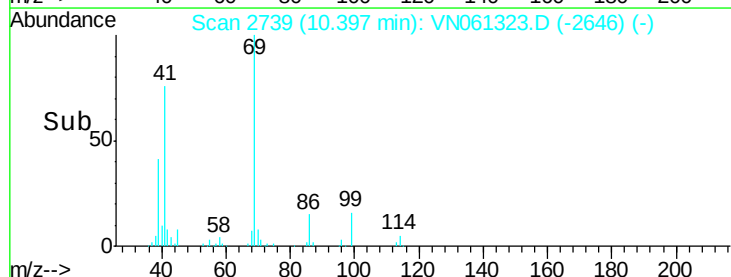
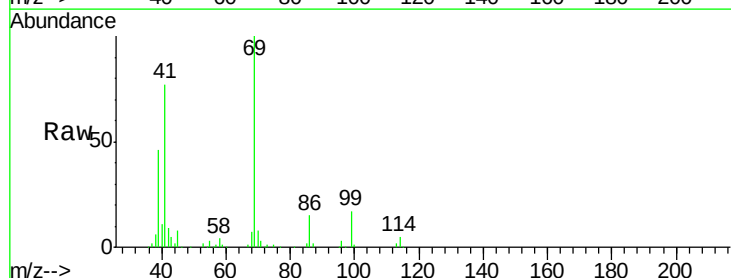
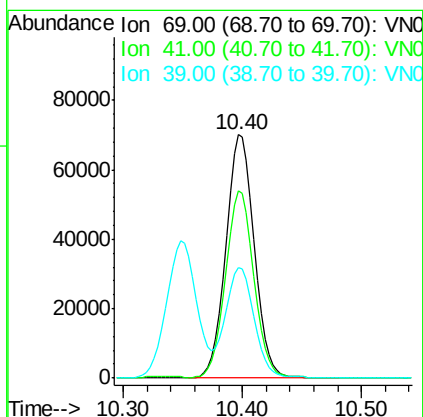
Manual Integrations
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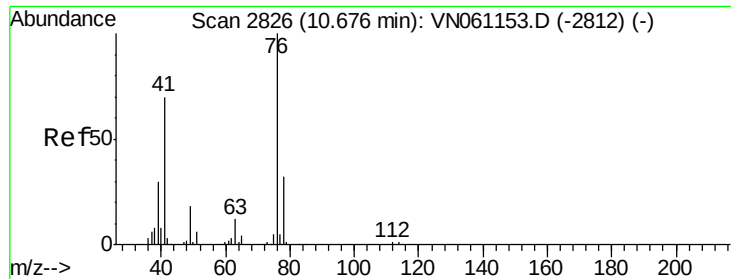
MMDadoda
 5/8/2020 1:18:12 PM



#56
 Ethyl methacrylate
 Concen: 50.323 ug/l
 RT: 10.40 min Scan# 2739
 Delta R.T. -0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Tgt Ion:	69	Resp:	115902
Ion	Ratio	Lower	Upper
69	100		
41	75.9	60.3	90.5
39	46.1	35.9	53.9





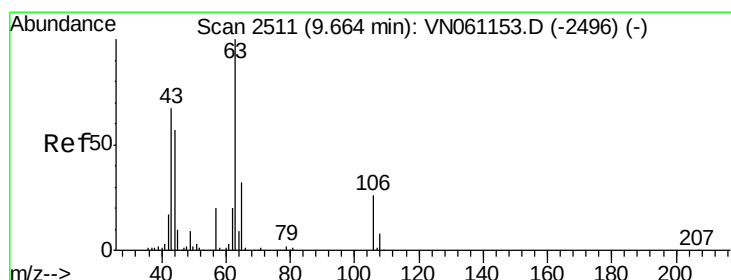
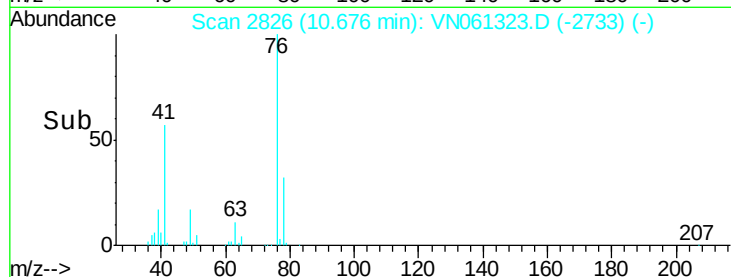
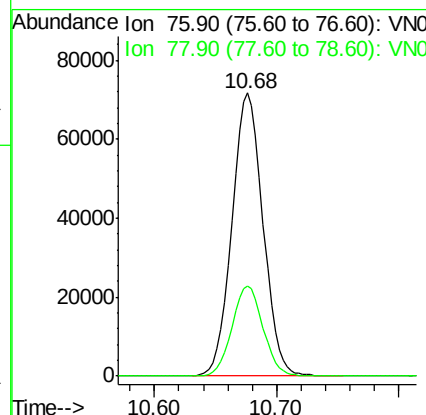
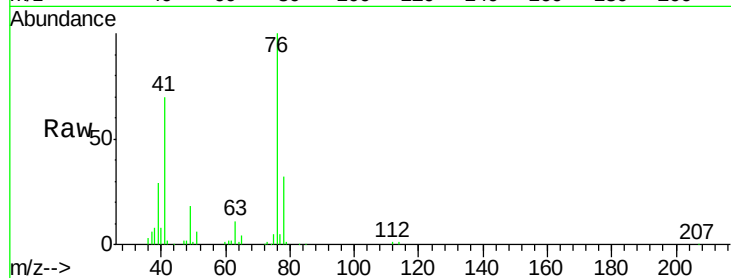
#57
 1,3-Dichloropropane
 Concen: 54.790 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

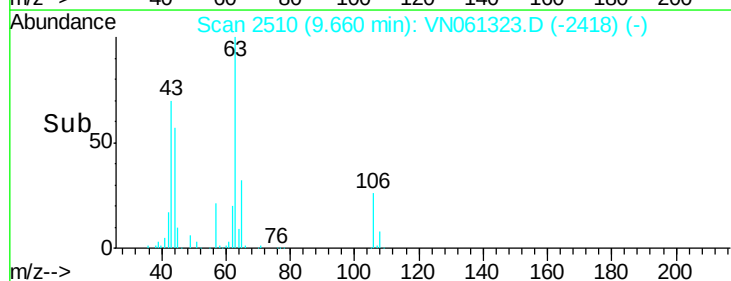
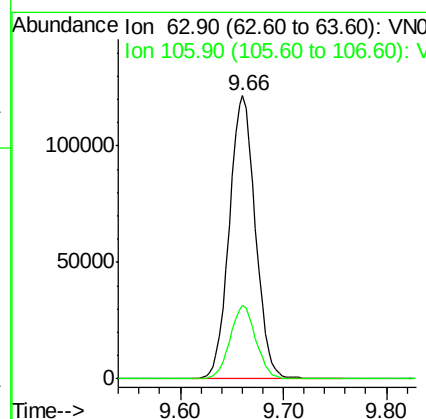
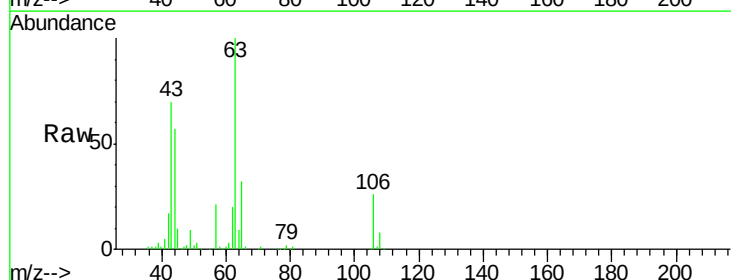
Manual Integrations
 APPROVED

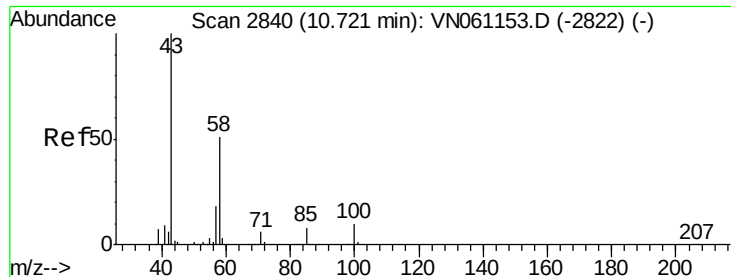
MMDadoda
 5/8/2020 1:18:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 200.112 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.6	20.6	30.8





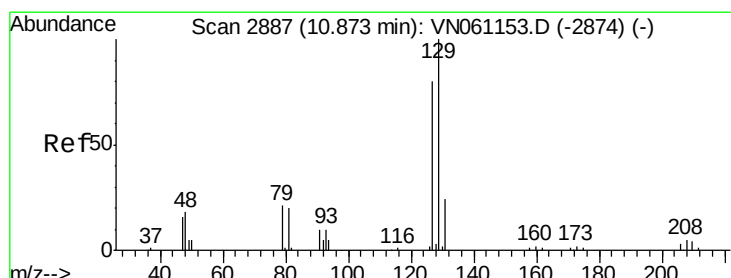
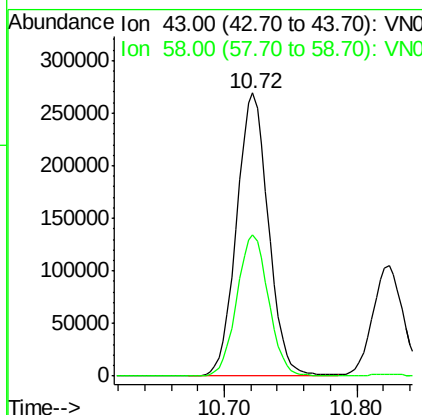
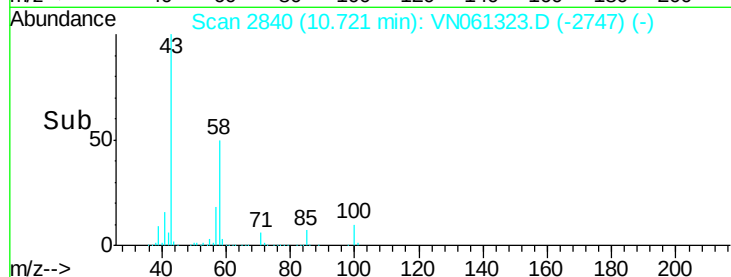
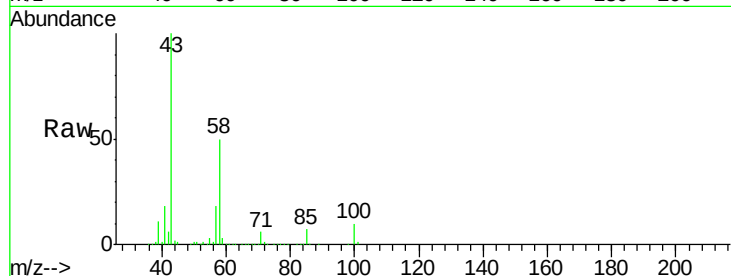
#59
2-Hexanone
Concen: 291.529 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 448343
Ion Ratio Lower Upper
43 100
58 50.0 25.4 76.4

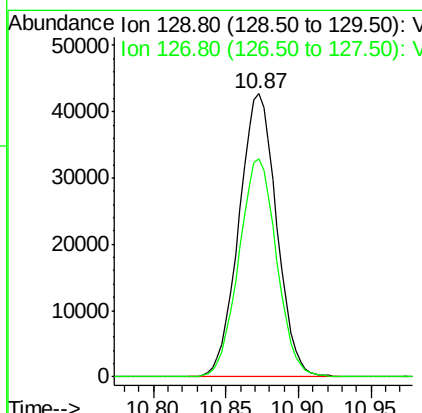
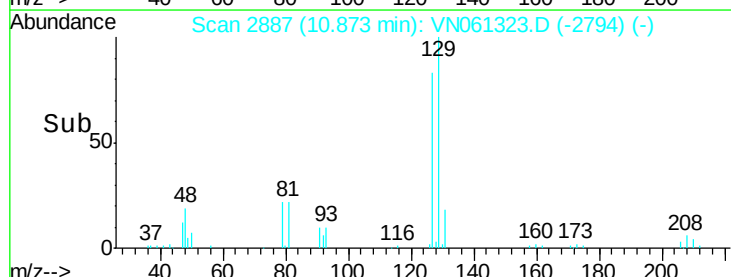
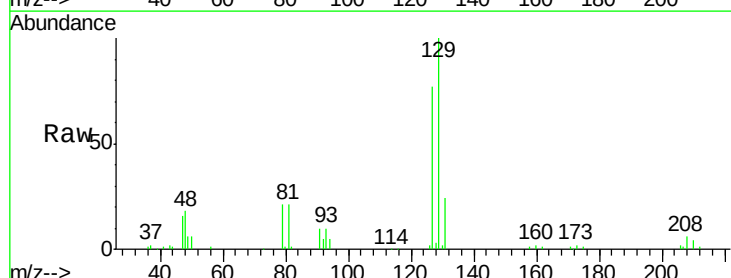
Manual Integrations
APPROVED

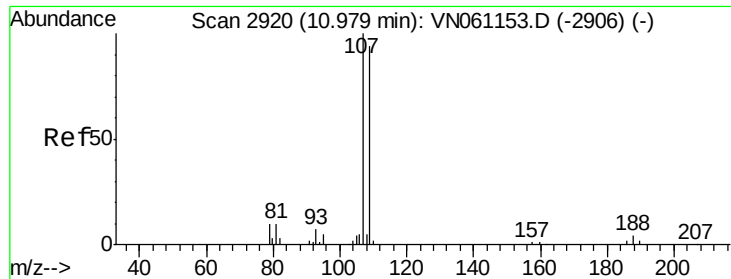
MMDadoda
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#60
Dibromochloromethane
Concen: 55.871 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion: 129 Resp: 77311
Ion Ratio Lower Upper
129 100
127 77.0 39.3 117.8





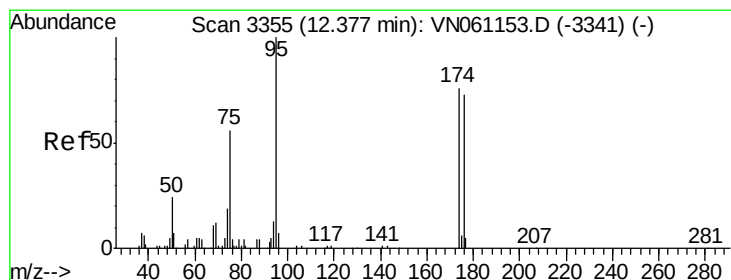
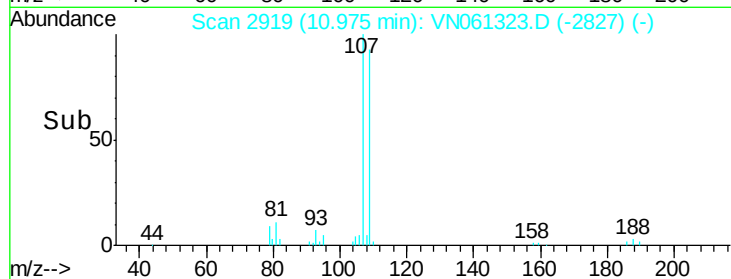
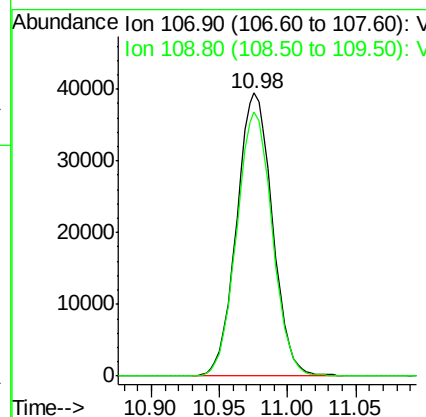
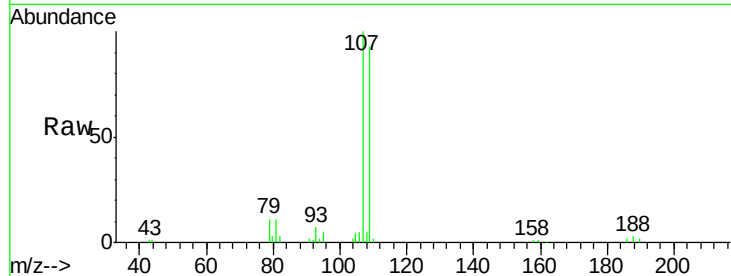
#61
 1,2-Dibromoethane
 Concen: 54.160 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.8	112.2

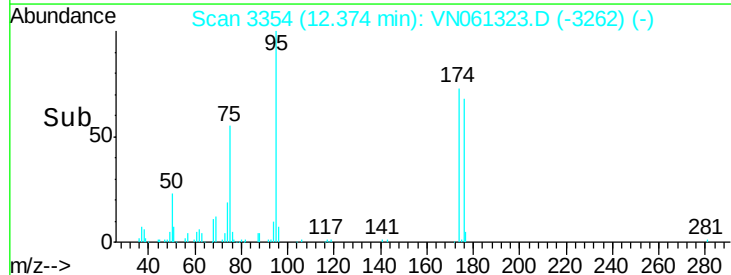
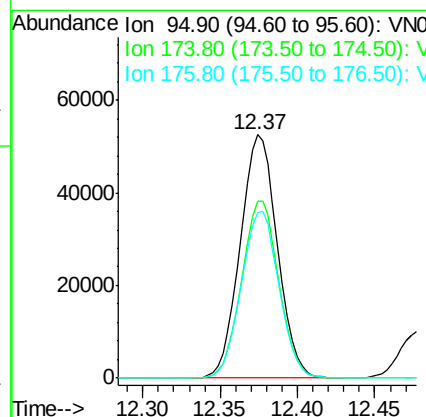
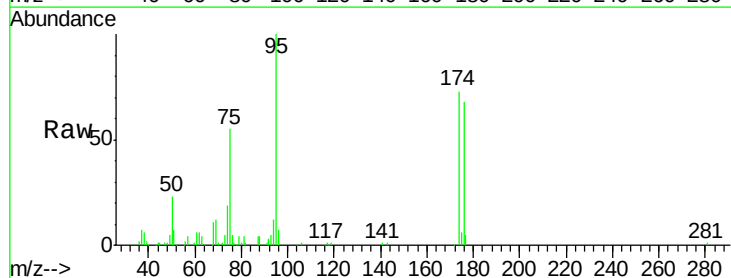
Manual Integrations
 APPROVED

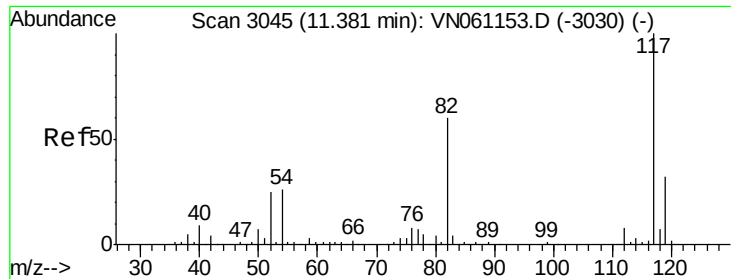
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 52.265 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	149.4
176	69.7	0.0	144.8





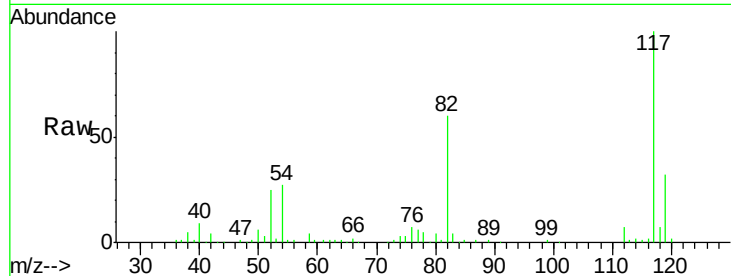
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3044
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.8	71.8
119	31.5	25.8	38.6

Manual Integrations
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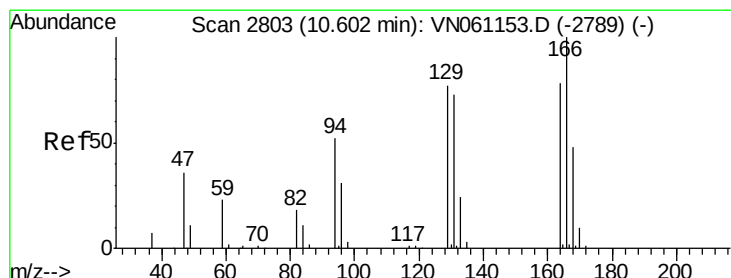
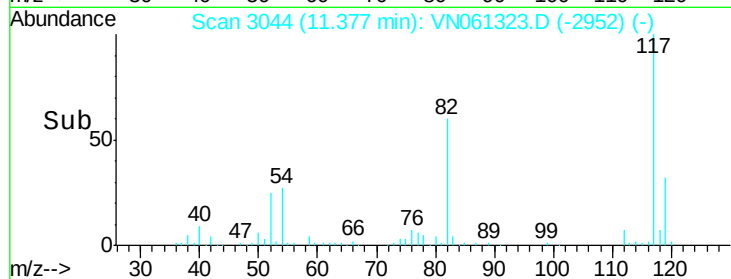
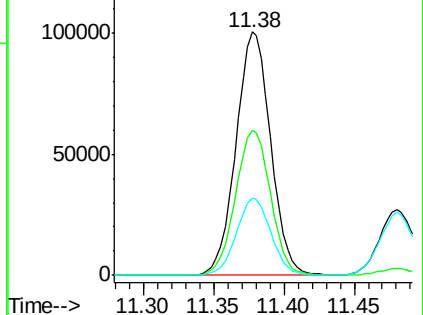


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 47.342 ug/l
RT: 10.60 min Scan# 2802
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	102.0	153.0
129	101.0	78.2	117.2
131	98.6	74.5	111.7

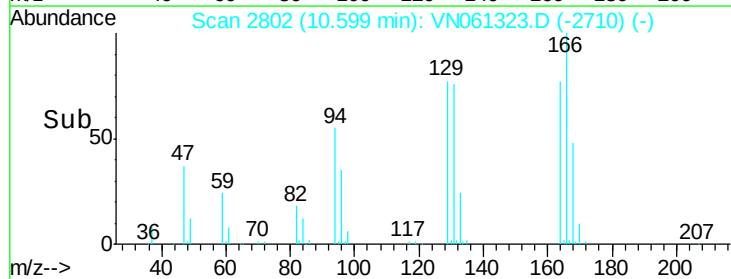
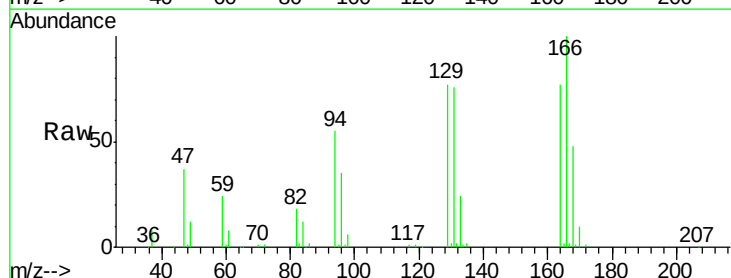
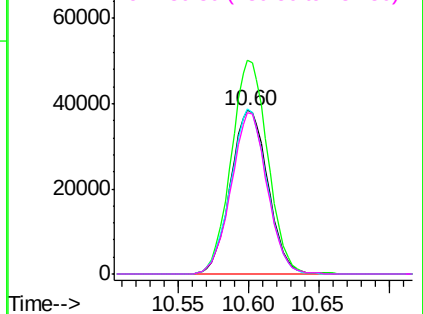
Abundance

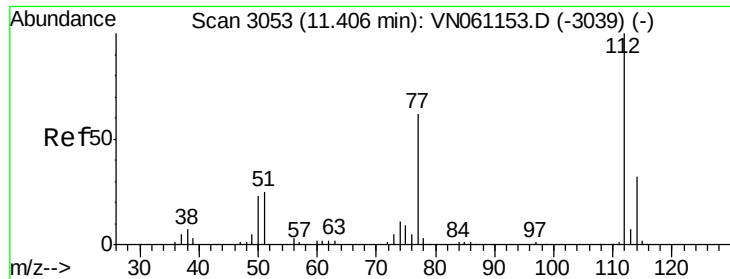
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





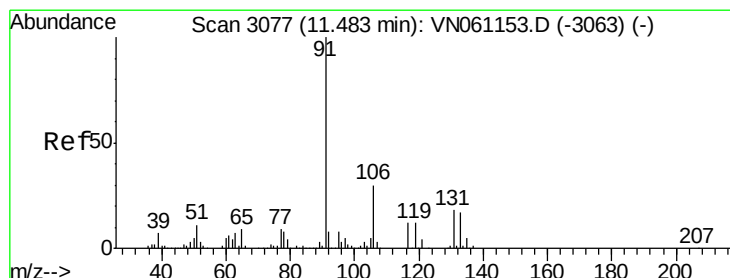
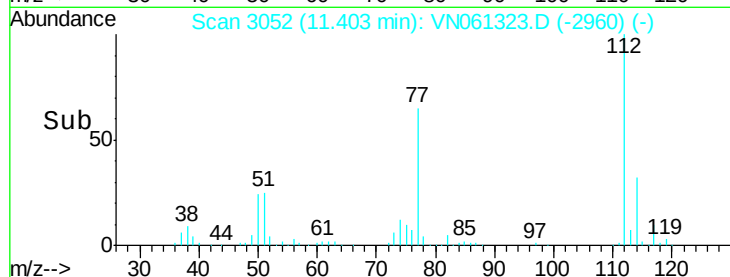
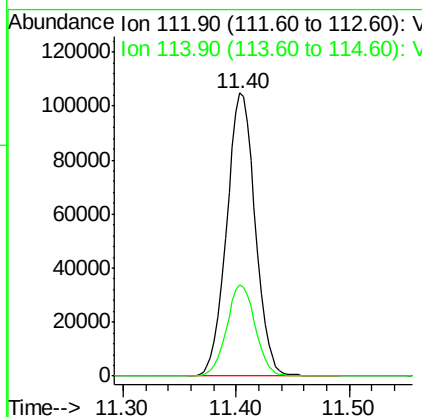
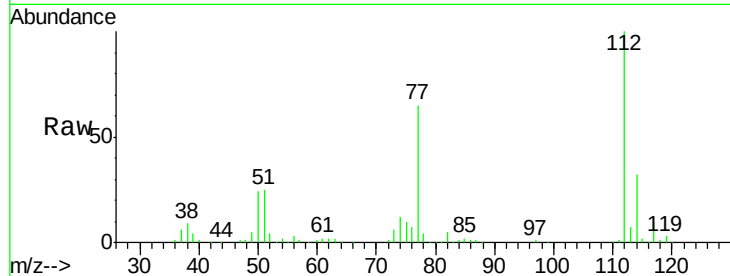
#65
Chlorobenzene
Concen: 53.672 ug/l
RT: 11.40 min Scan# 3052
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 183889
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

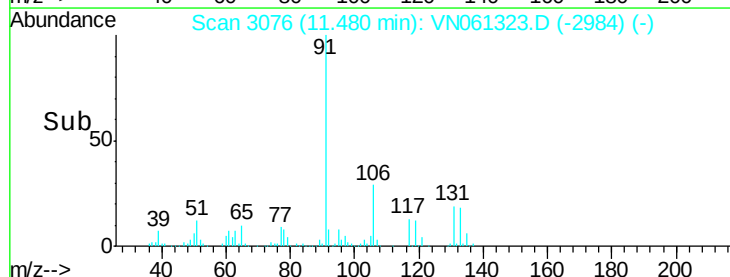
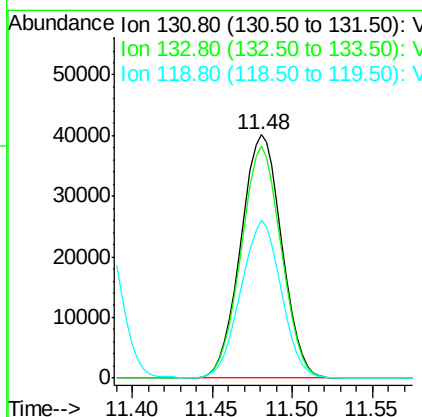
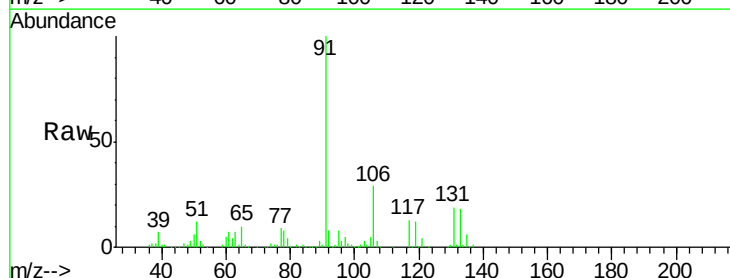
Manual Integrations
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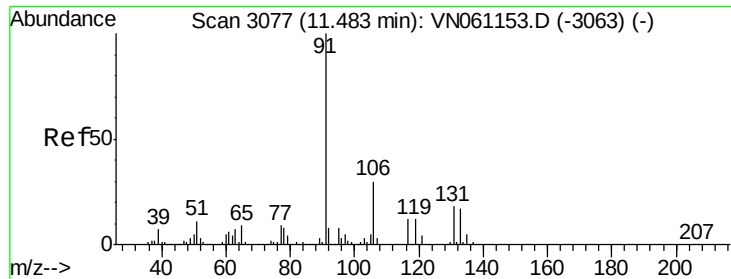
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.270 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion:131 Resp: 70227
Ion Ratio Lower Upper
131 100
133 93.4 48.0 144.2
119 63.6 32.6 97.8





#67

Ethyl Benzene

Concen: 54.624 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 350338

Ion Ratio Lower Upper

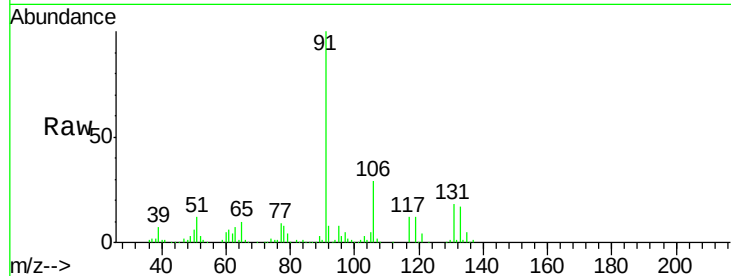
91 100

106 29.4 23.8 35.6

Manual Integrations
APPROVED

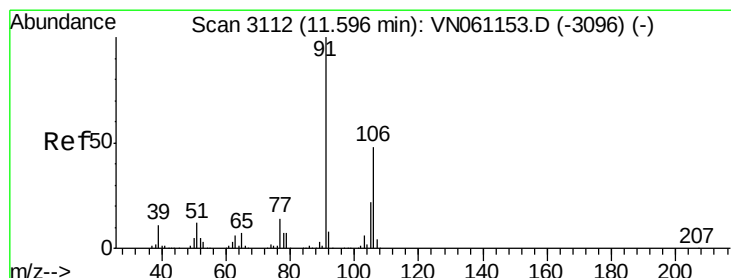
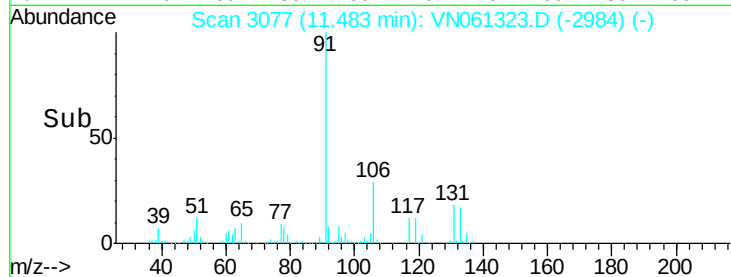
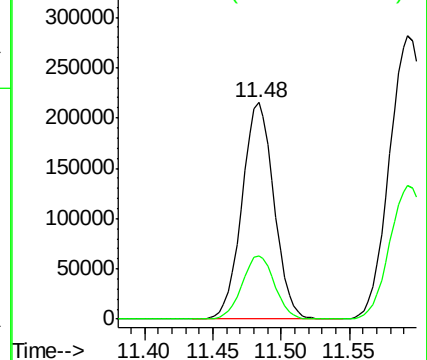
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 109.500 ug/l

RT: 11.59 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VN061323.D

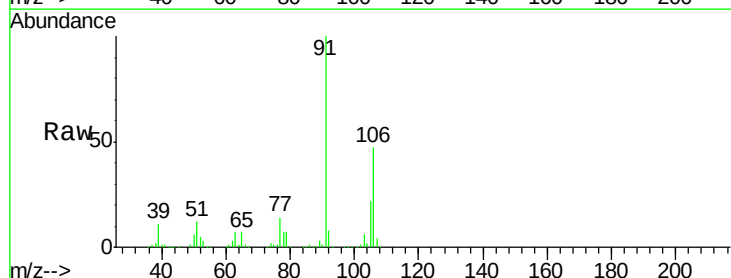
Acq: 7 May 2020 10:35

Tgt Ion: 106 Resp: 257061

Ion Ratio Lower Upper

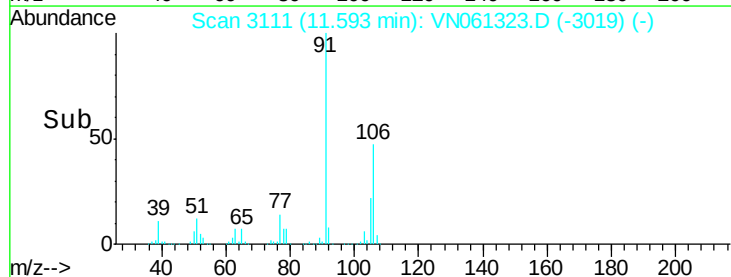
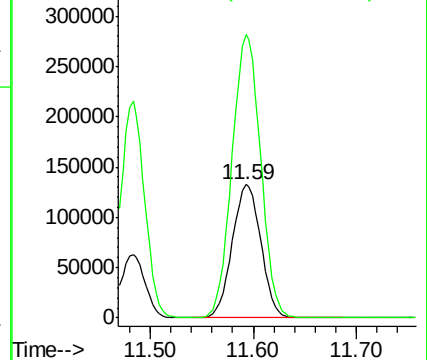
106 100

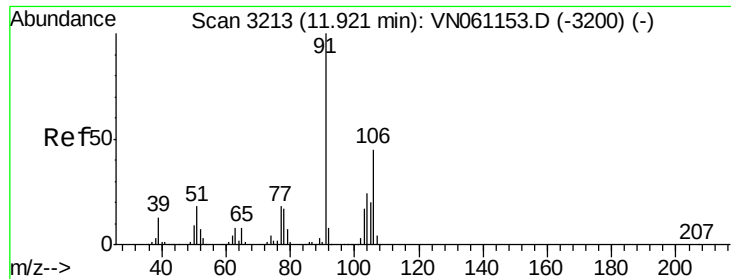
91 211.3 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





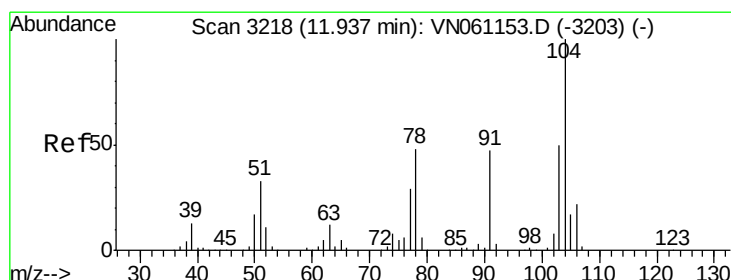
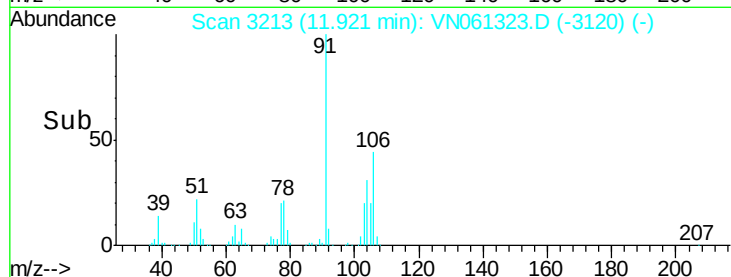
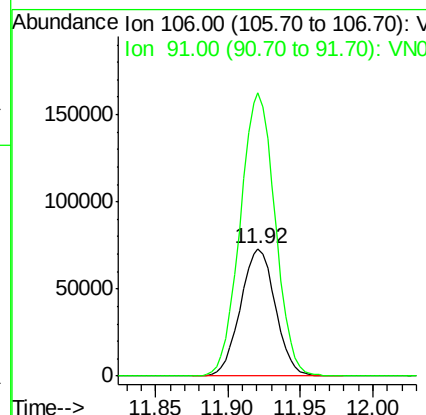
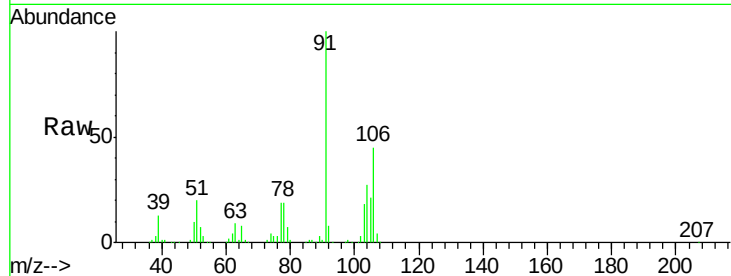
#69
o-Xylene
Concen: 54.089 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	121971		
91	91	223.2	109.7	329.0	

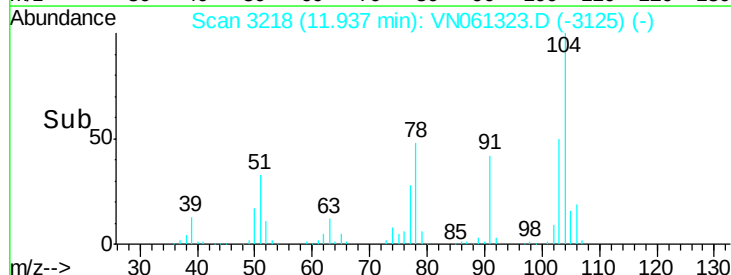
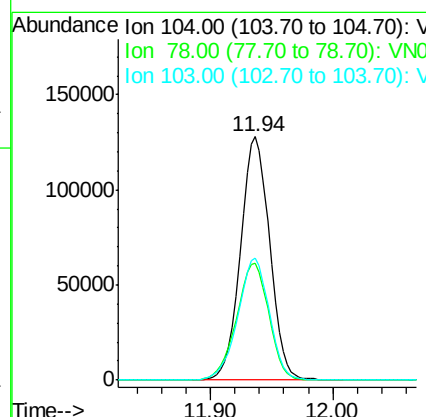
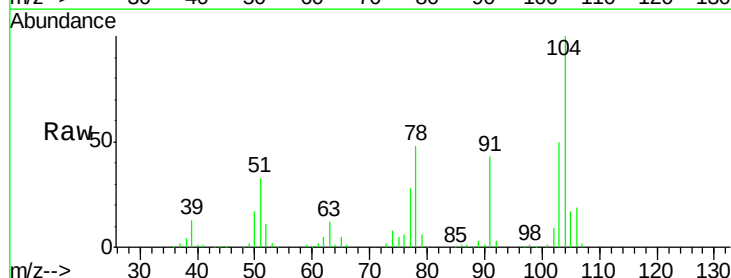
Manual Integrations
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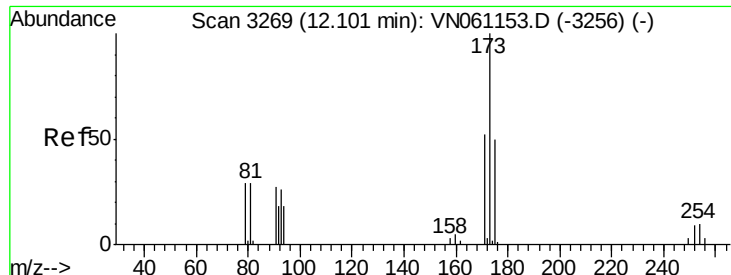
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#70
Styrene
Concen: 56.105 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	211751		
78	78	53.7	42.1	63.1	
103	103	53.9	43.3	64.9	





#71

Bromoform

Concen: 57.586 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 51898

Ion Ratio Lower Upper

173 100

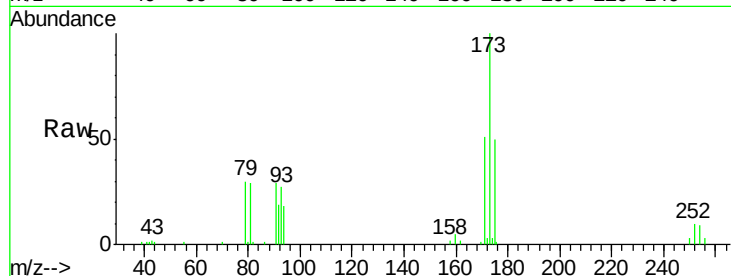
175 48.5 24.1 72.4

254 0.0 0.0 0.0

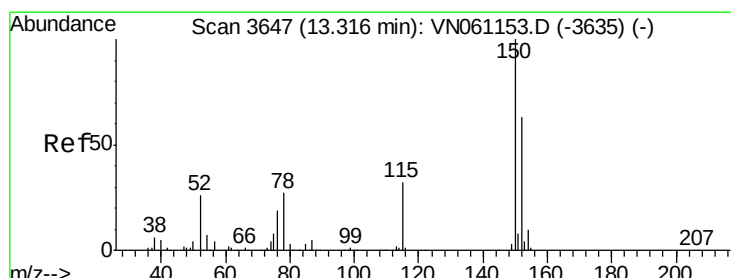
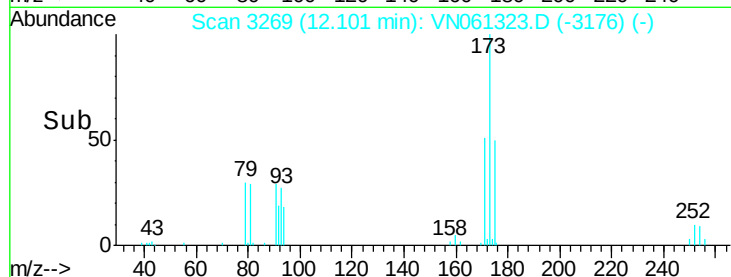
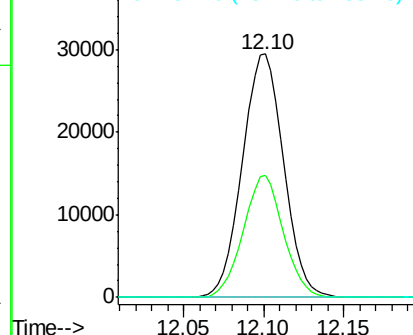
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

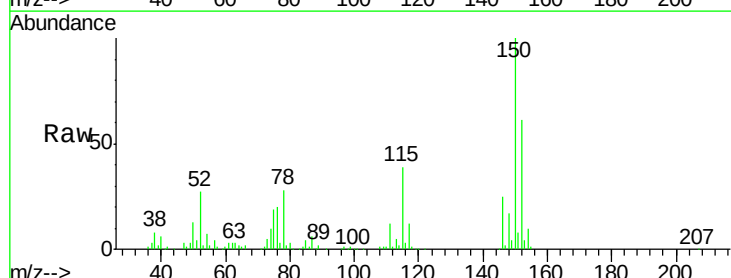
Tgt Ion:152 Resp: 83147

Ion Ratio Lower Upper

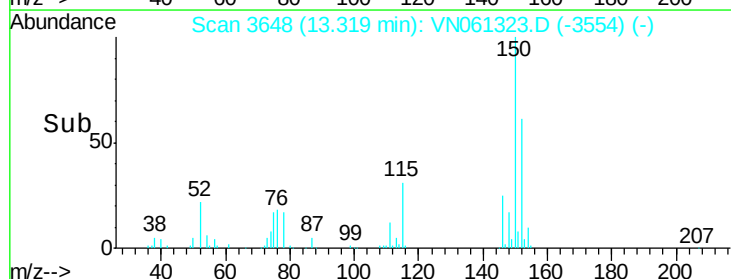
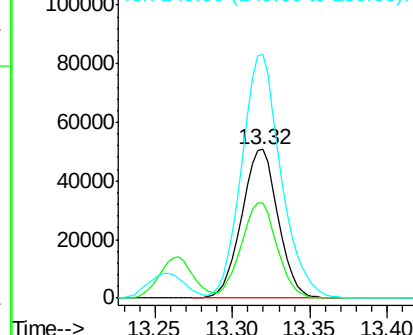
152 100

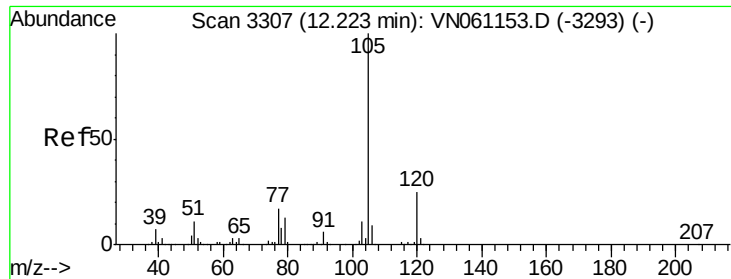
115 63.6 31.0 93.0

150 176.6 0.0 351.8



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: 54.439 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 332759

Ion Ratio Lower Upper

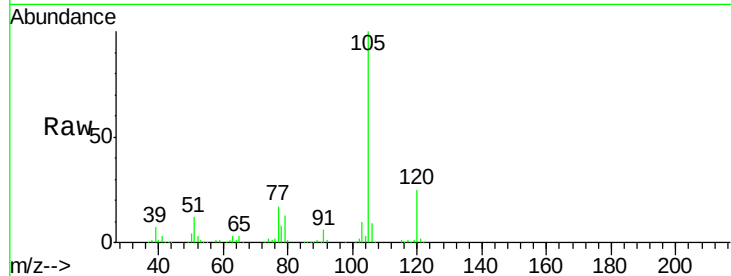
105 100

120 25.4 12.6 37.8

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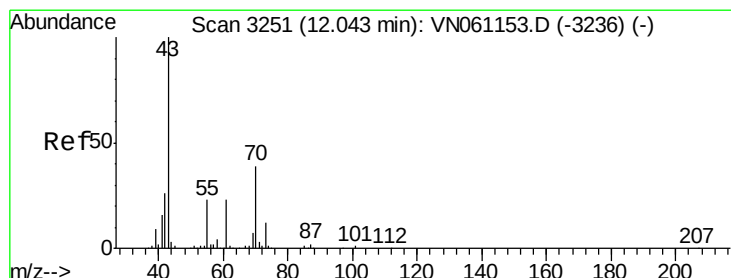
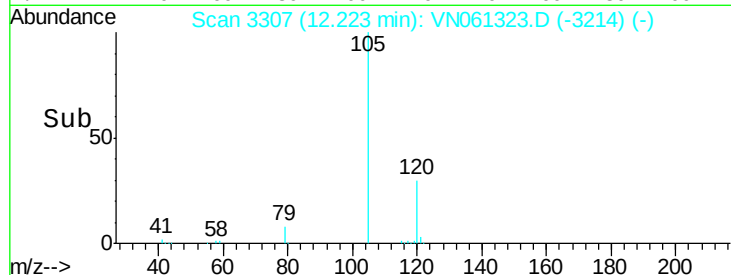
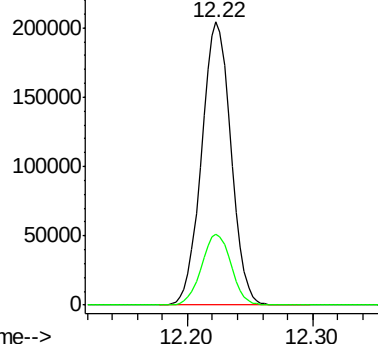
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.423 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Tgt Ion: 43 Resp: 171547

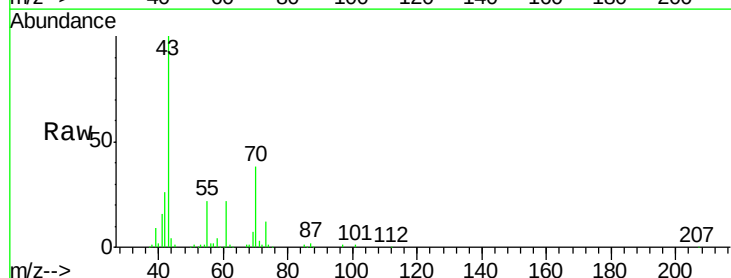
Ion Ratio Lower Upper

43 100

70 37.6 30.6 46.0

55 23.2 18.5 27.7

61 22.1 17.9 26.9

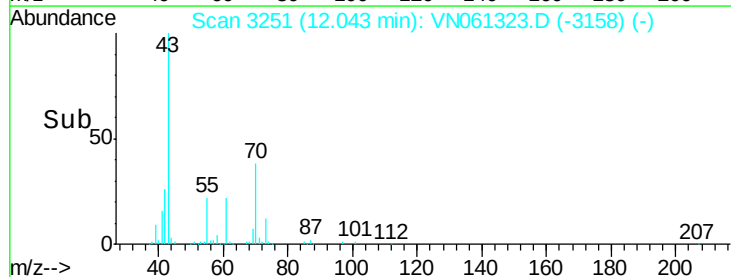
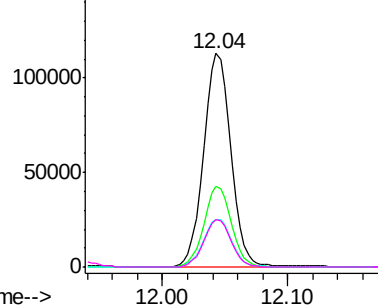


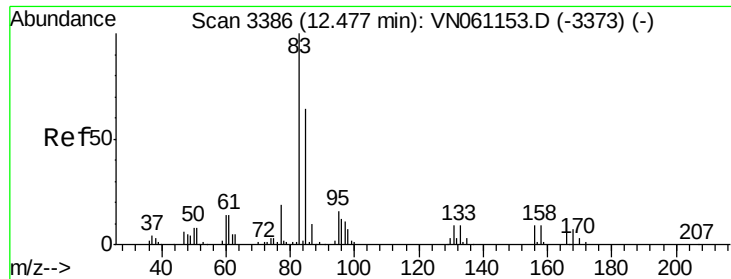
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.292 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

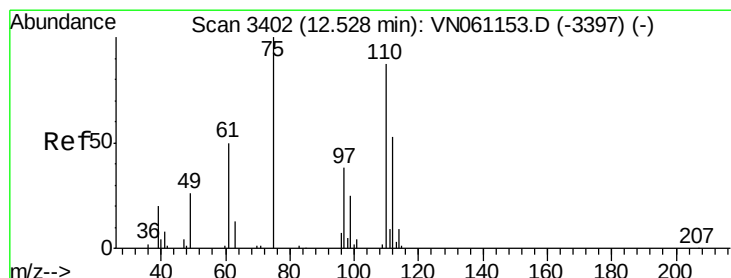
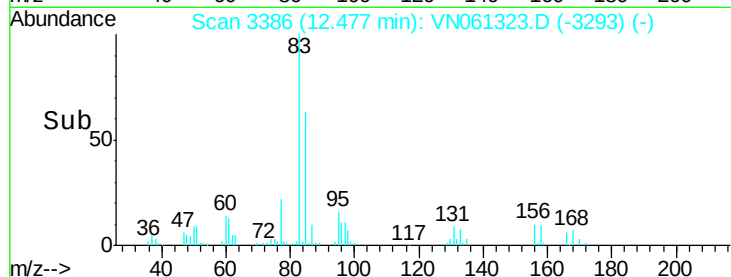
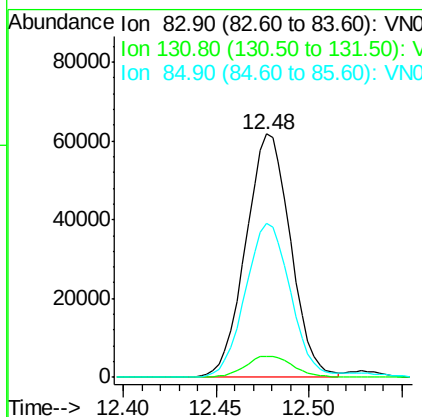
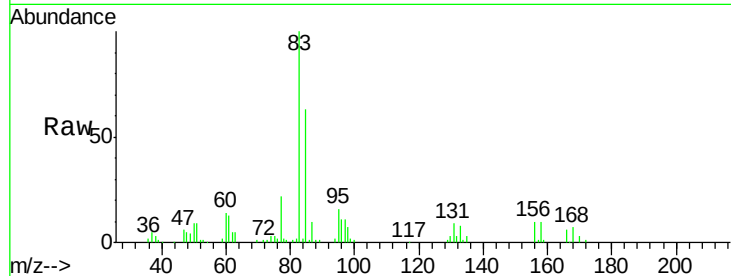
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	103479
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	64.0	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.237 ug/l m

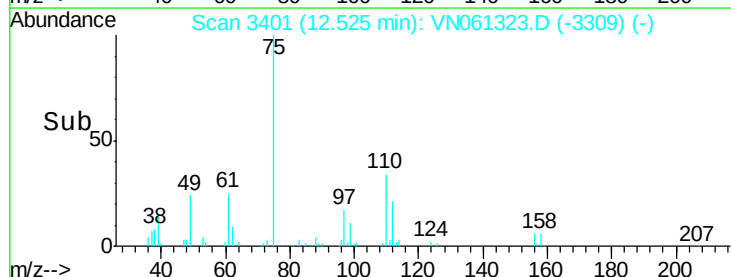
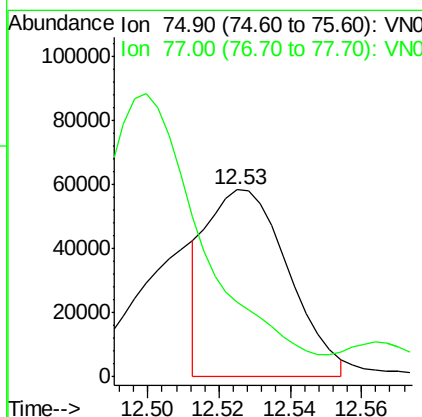
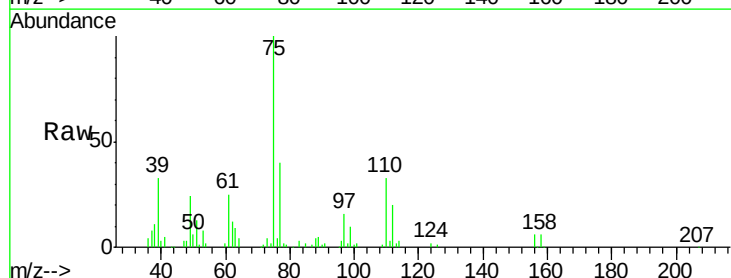
RT: 12.53 min Scan# 3401

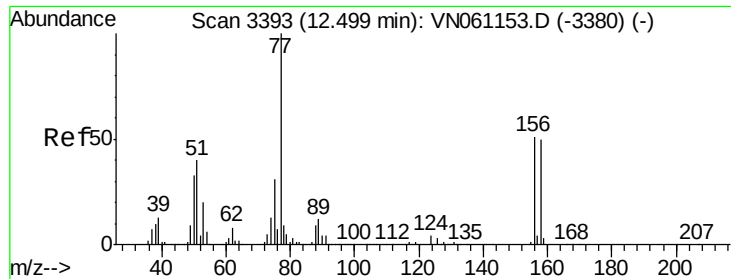
Delta R.T. -0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Tgt Ion:	75	Resp:	93322
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.865 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 76006

Ion Ratio Lower Upper

156 100

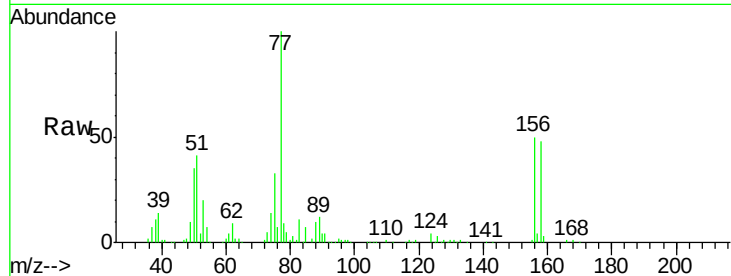
77 240.7 117.4 352.2

158 97.4 48.4 145.0

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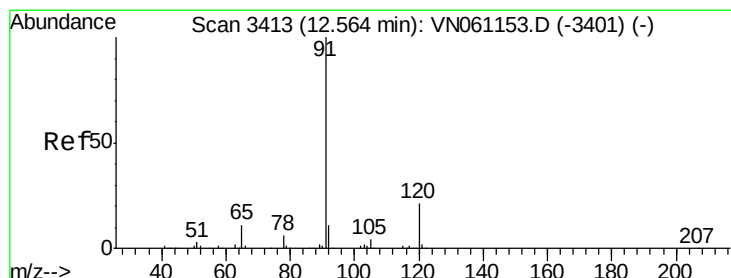
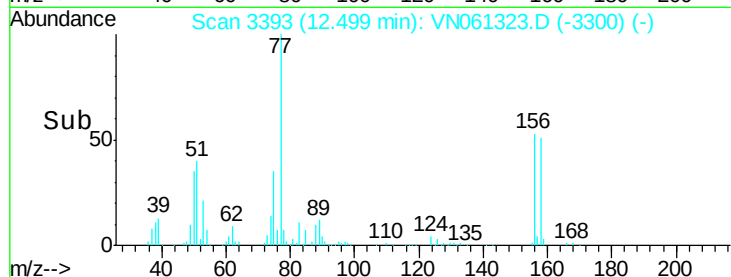
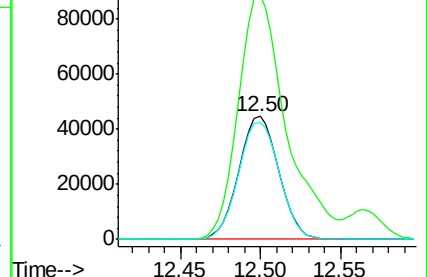
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.163 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061323.D

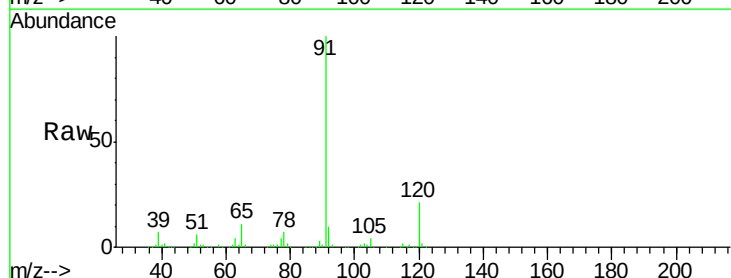
Acq: 7 May 2020 10:35

Tgt Ion: 91 Resp: 399941

Ion Ratio Lower Upper

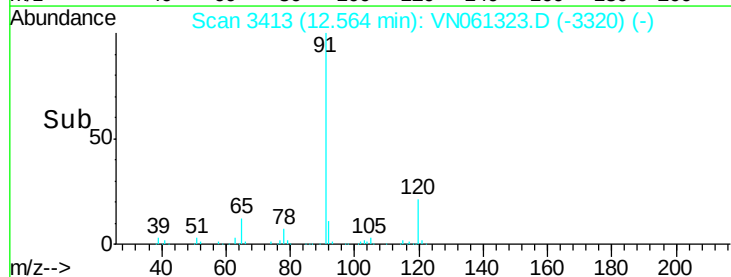
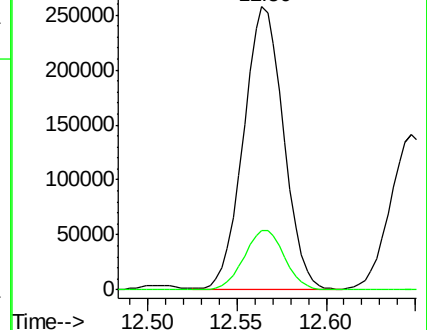
91 100

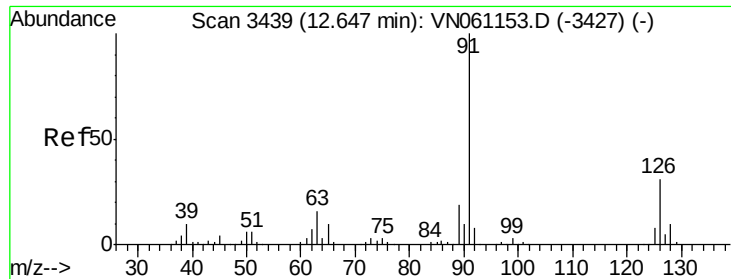
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.042 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 234557

Ion Ratio Lower Upper

91 100

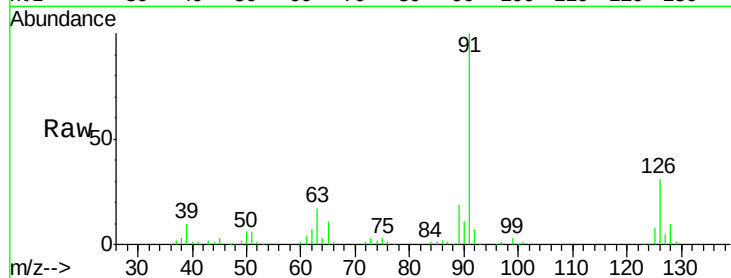
126 31.2 15.9 47.7

Manual Integrations

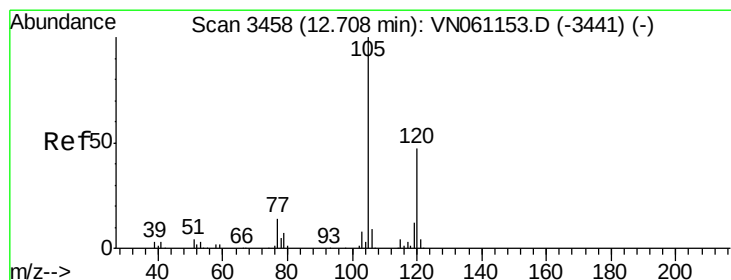
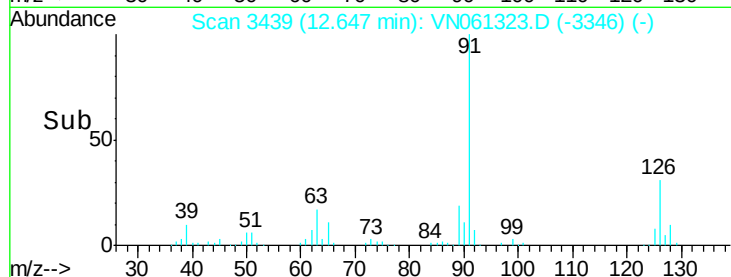
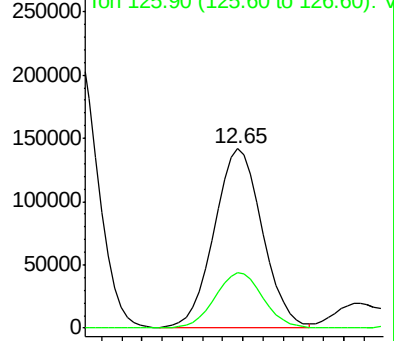
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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.439 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061323.D

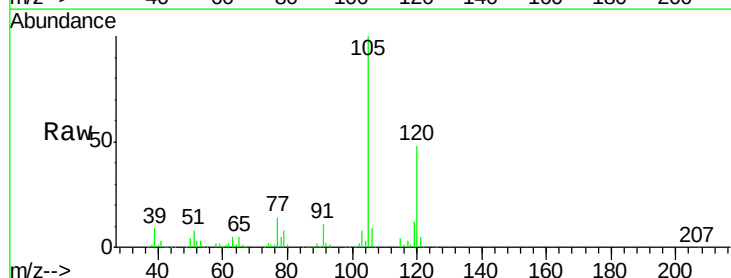
Acq: 7 May 2020 10:35

Tgt Ion: 105 Resp: 280472

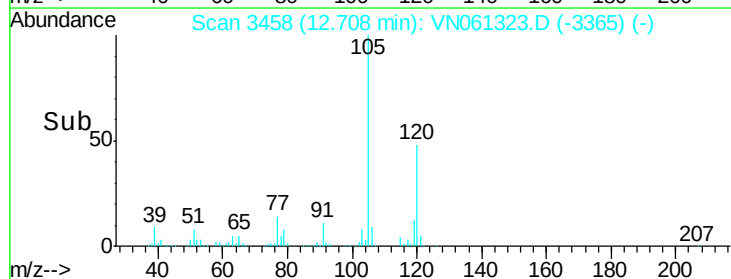
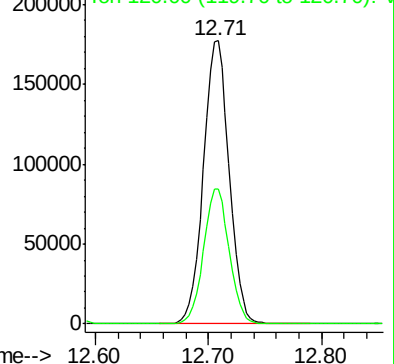
Ion Ratio Lower Upper

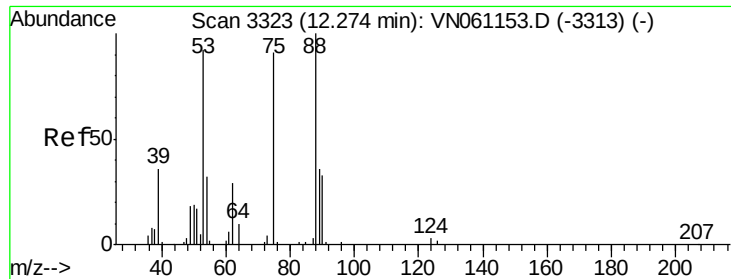
105 100

120 47.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 56.829 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

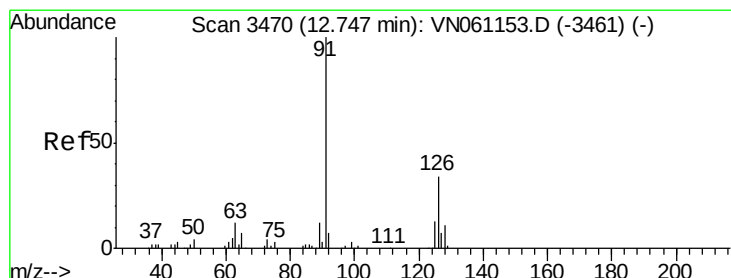
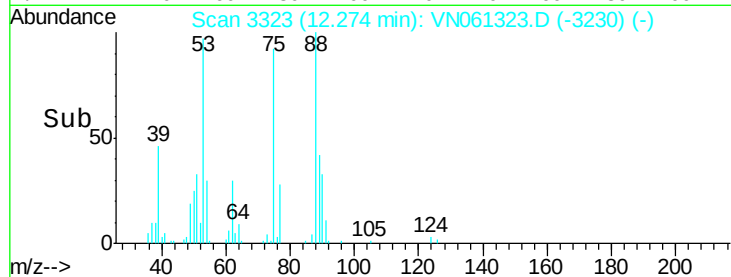
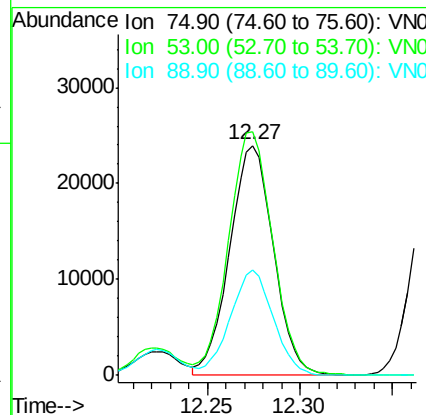
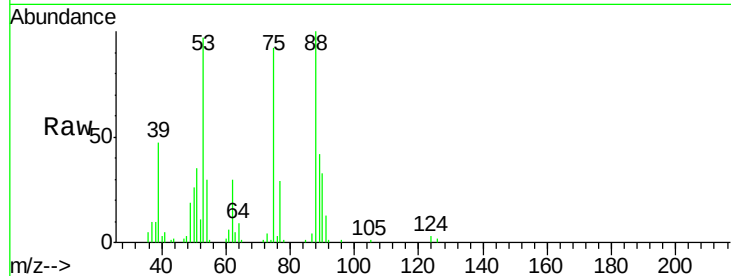
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	39228
Ion	Ratio	Lower	Upper
75	100		
53	107.4	84.1	126.1
89	44.9	35.2	52.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 55.758 ug/l

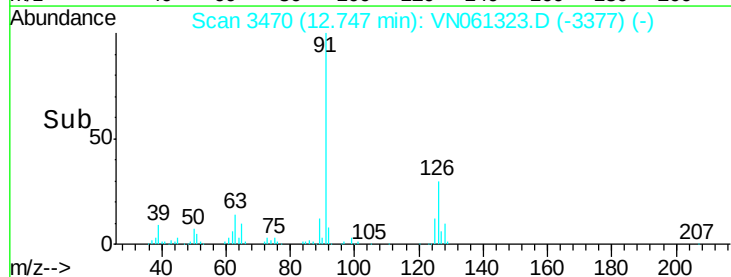
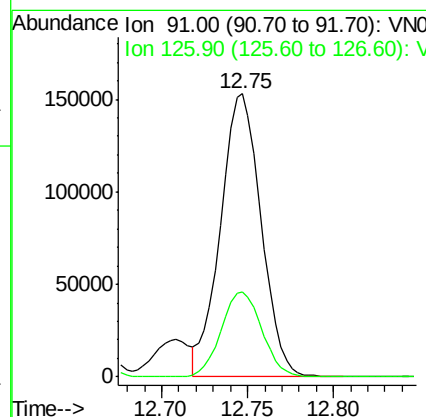
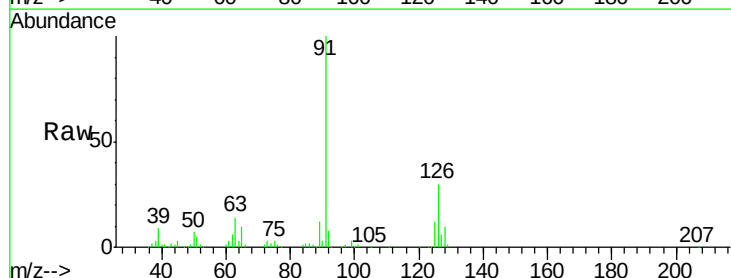
RT: 12.75 min Scan# 3470

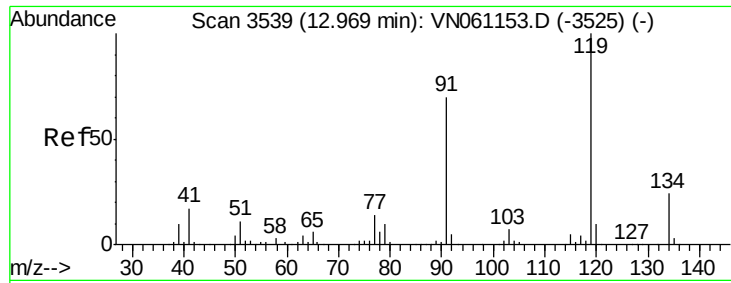
Delta R.T. 0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Tgt Ion:	91	Resp:	250433
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.7	47.1





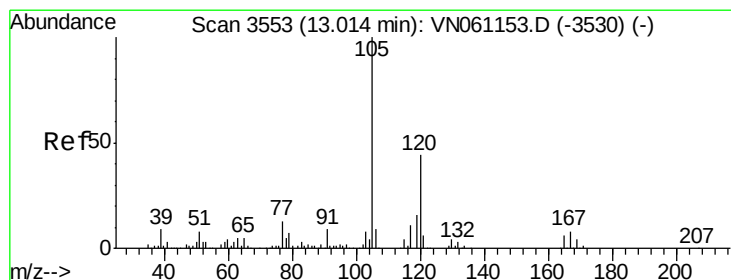
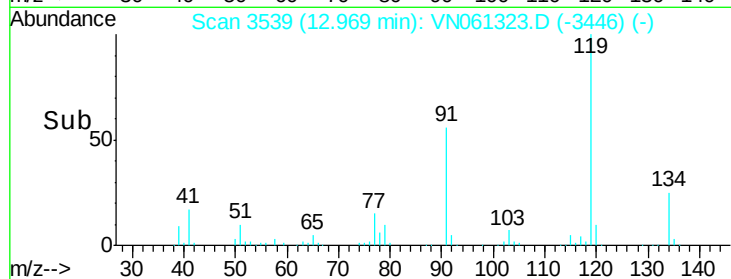
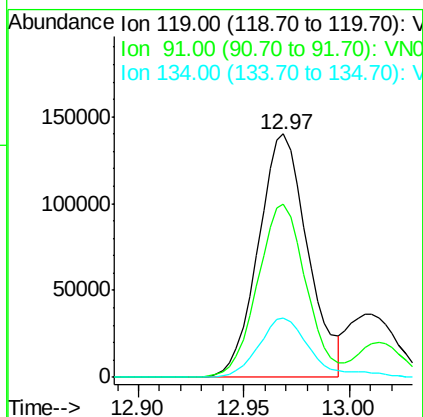
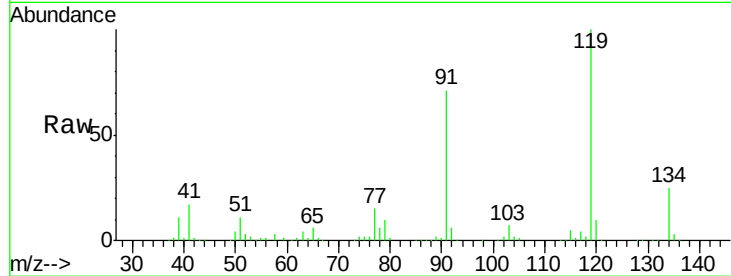
#83
 tert-Butylbenzene
 Concen: 53.553 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	228450		
91	70.2	34.8	104.4	
134	25.8	12.9	38.7	

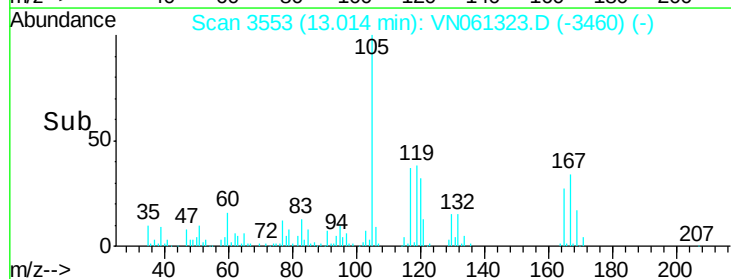
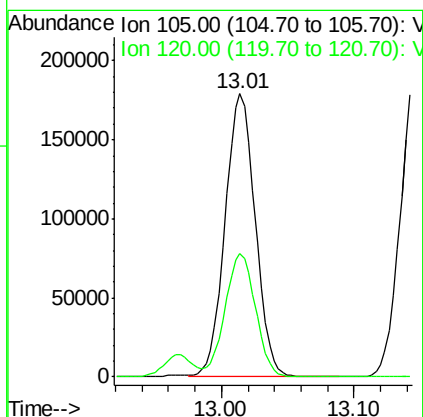
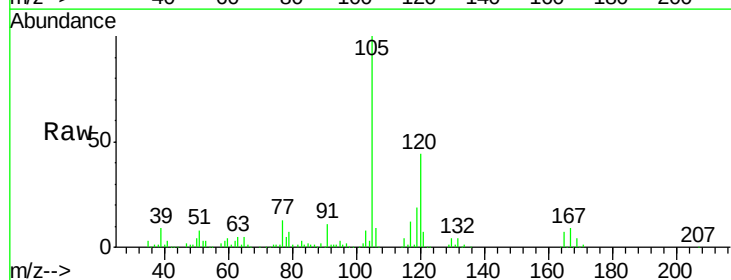
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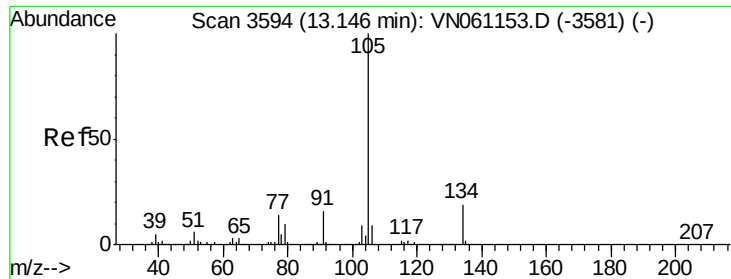
MMDadoda
 5/8/2020 1:18:12 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.168 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	282339		
120	44.1	22.2	66.6	





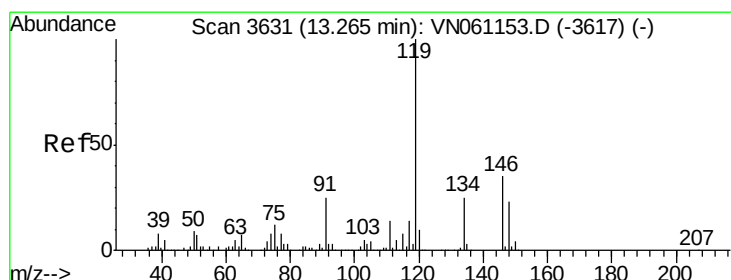
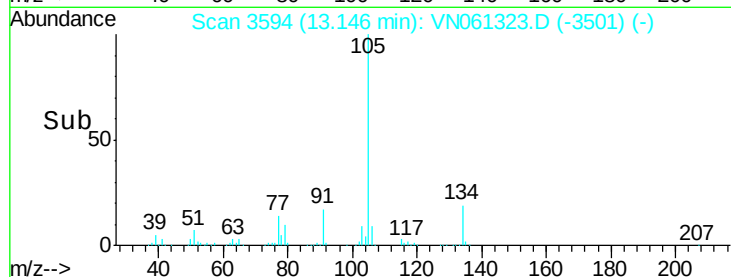
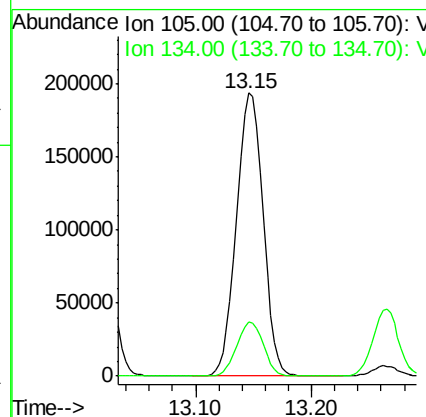
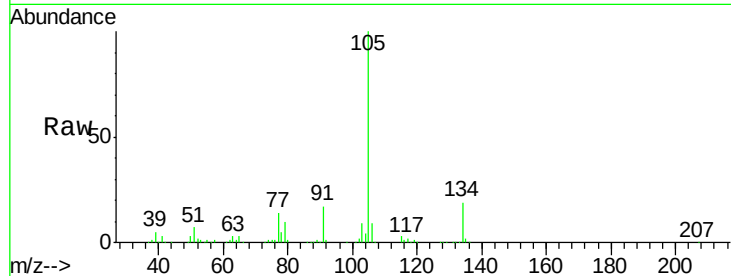
#85
 sec-Butylbenzene
 Concen: 52.807 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	307125		
134	19.0	9.6	28.8	

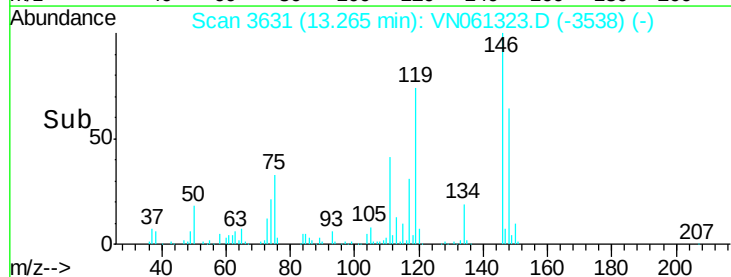
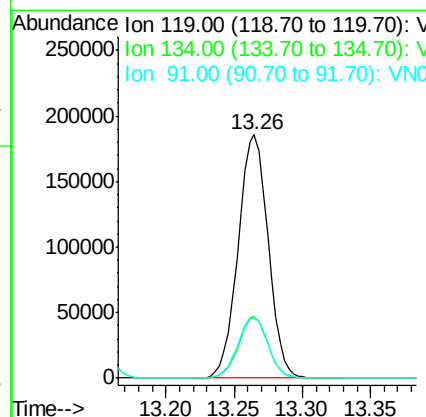
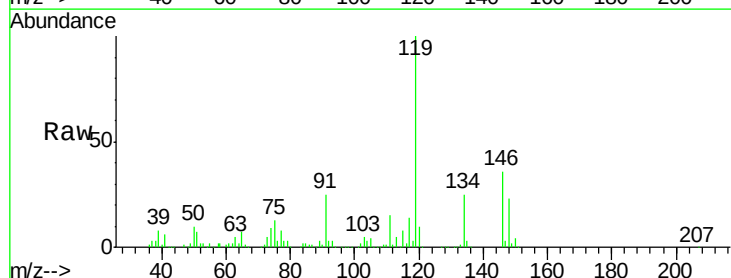
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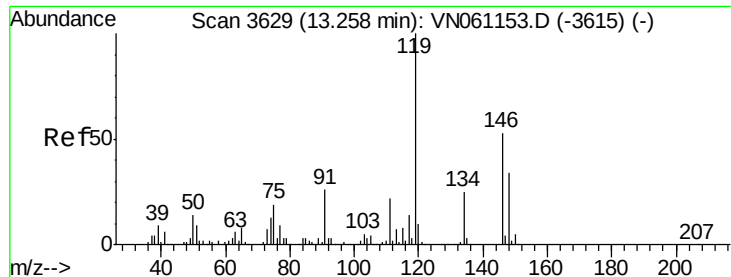
MMDadoda
 5/8/2020 1:18:12 PM



#86
 p-Isopropyltoluene
 Concen: 54.164 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	283827		
134	24.8	12.6	37.6	
91	25.3	12.7	38.0	





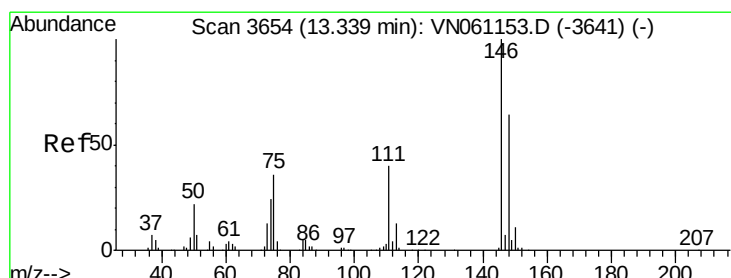
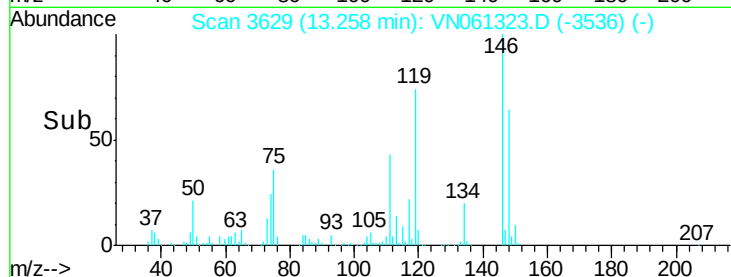
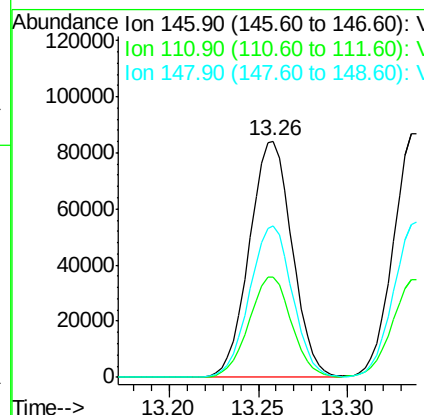
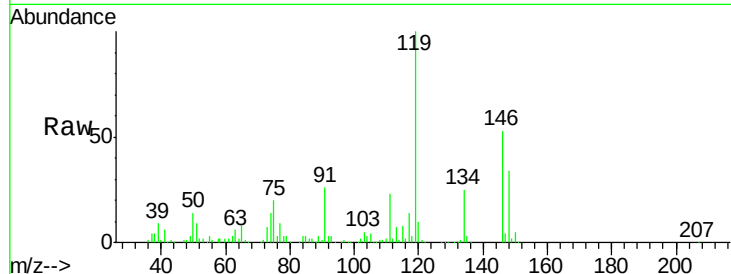
#87
 1,3-Dichlorobenzene
 Concen: 54.401 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	141314		
111	42.2	20.7	62.1	
148	64.0	31.8	95.3	

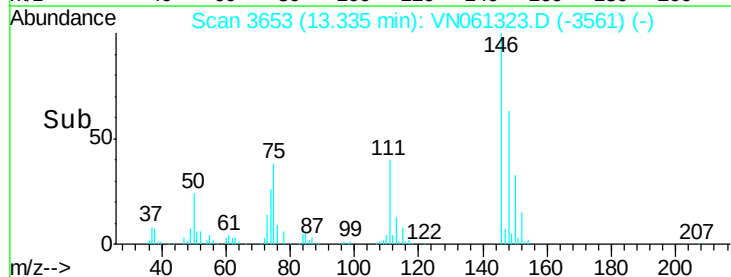
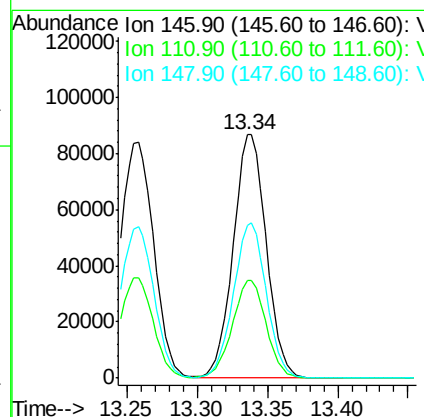
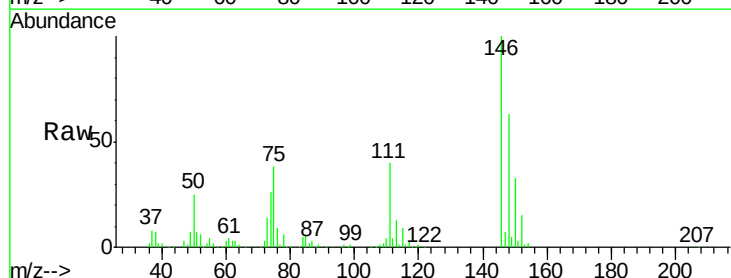
Manual Integrations
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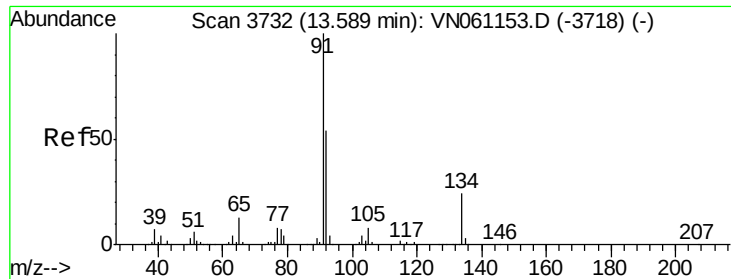
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 5/8/2020 1:18:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.623 ug/l
 RT: 13.34 min Scan# 3653
 Delta R.T. -0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	142321		
111	40.9	20.4	61.3	
148	63.4	31.9	95.7	





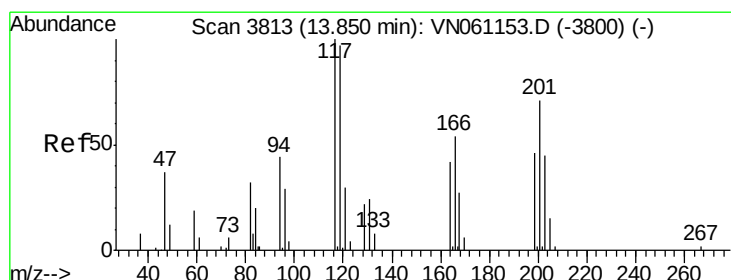
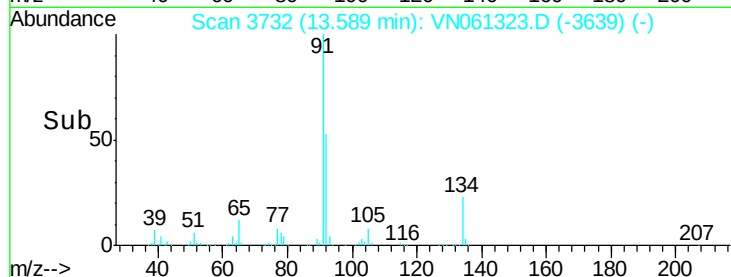
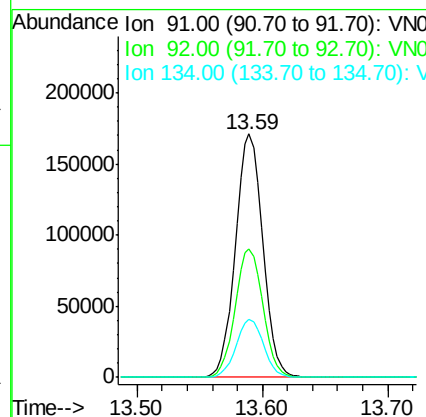
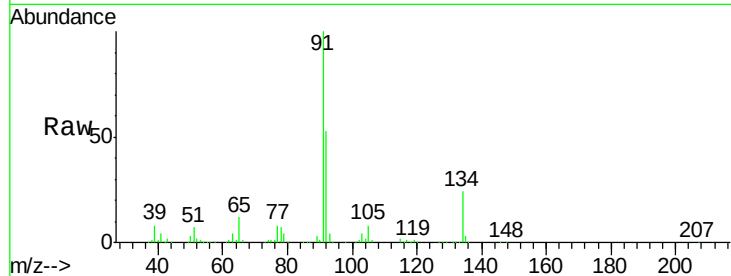
#89
n-Butylbenzene
Concen: 53.963 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	259228		
92	53.5	26.8	80.3	
134	23.8	11.9	35.5	

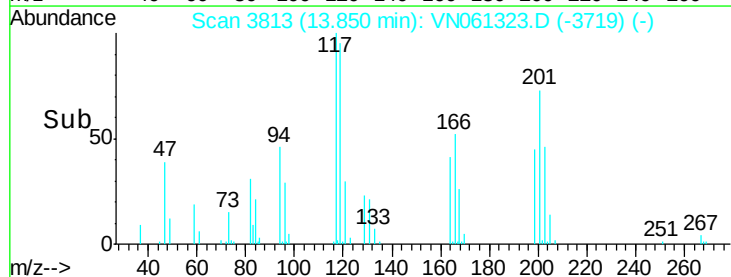
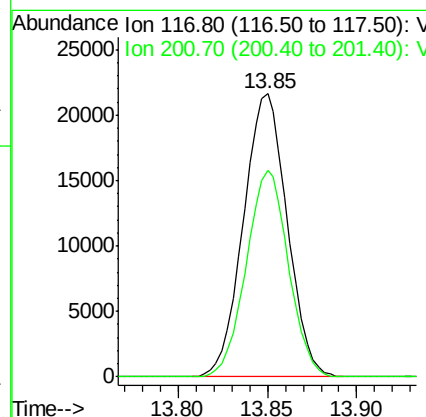
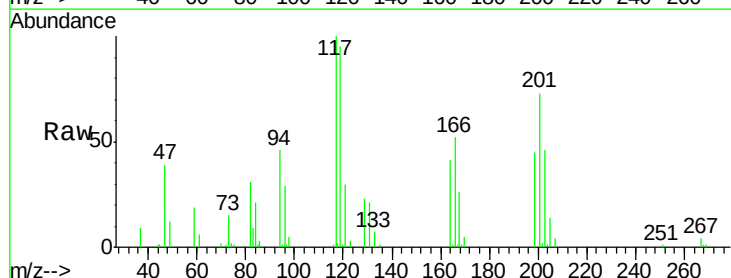
Manual Integrations
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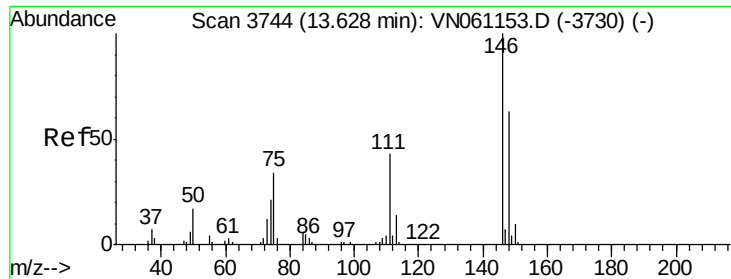
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#90
Hexachloroethane
Concen: 65.118 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061323.D
Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37079		
201	70.2	35.5	106.7	





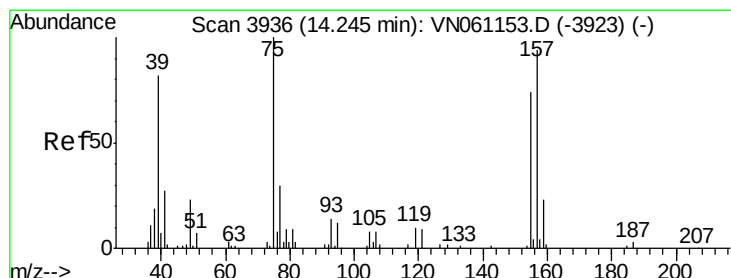
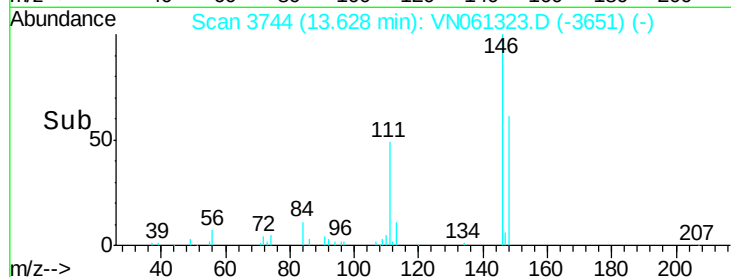
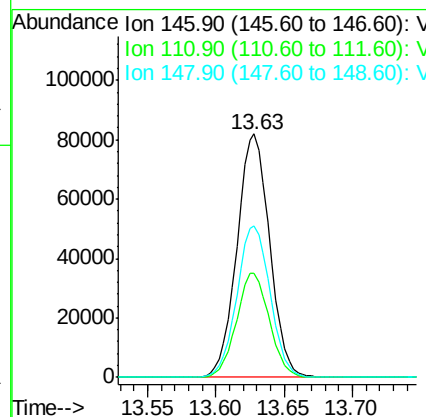
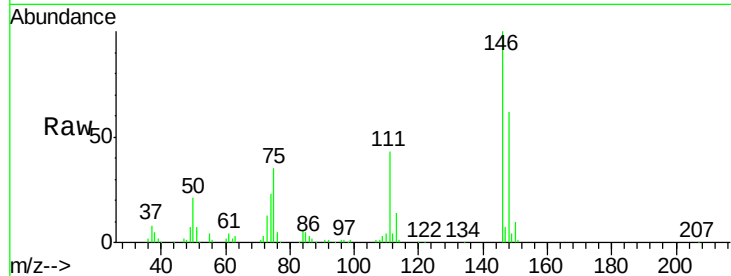
#91
 1,2-Dichlorobenzene
 Concen: 54.744 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	146	Resp:	136351
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.8	65.3
148	63.1	31.6	95.0

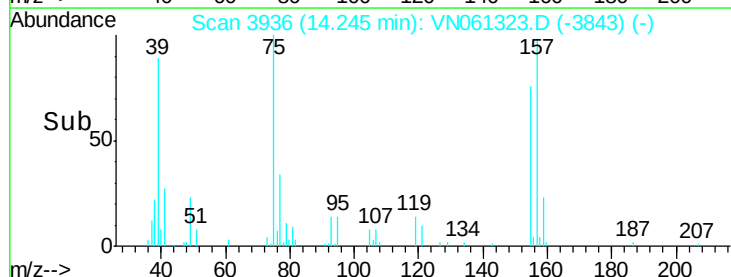
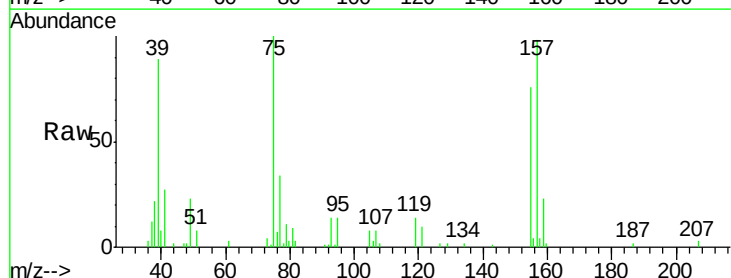
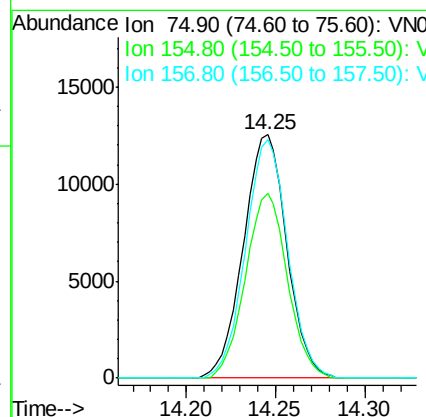
Manual Integrations
 APPROVED

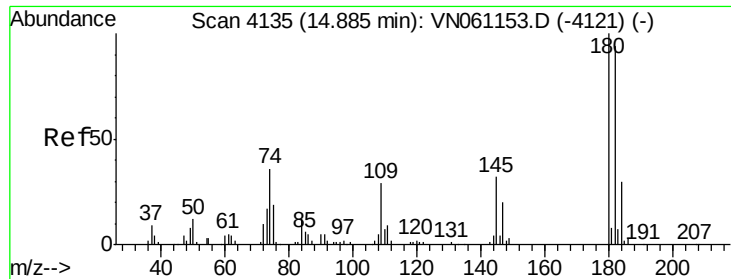
MMDadoda
 5/8/2020 1:18:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.877 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Tgt Ion:	75	Resp:	21285
Ion Ratio	Lower	Upper	
75	100		
155	73.2	36.5	109.7
157	95.3	46.6	139.7





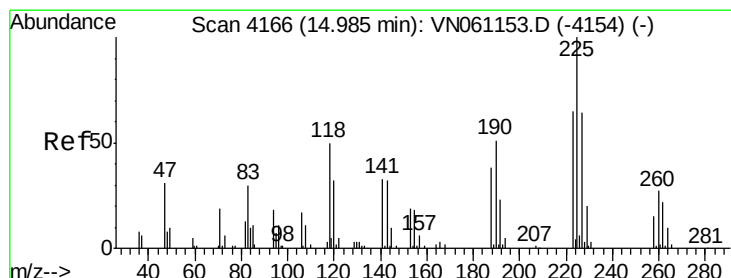
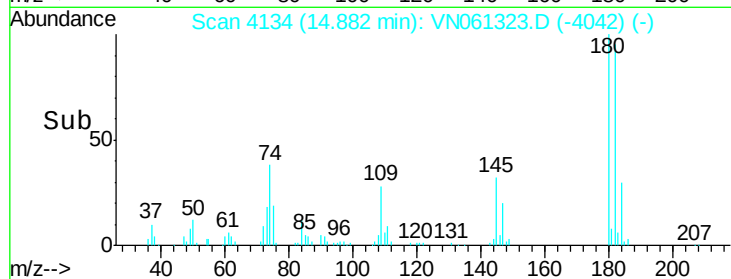
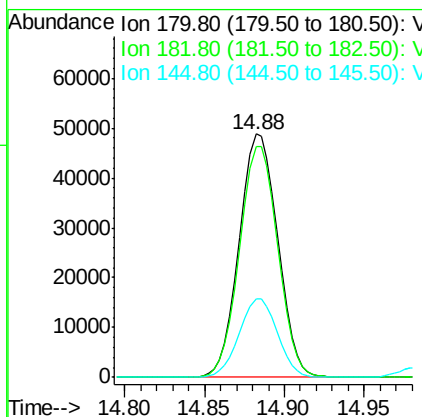
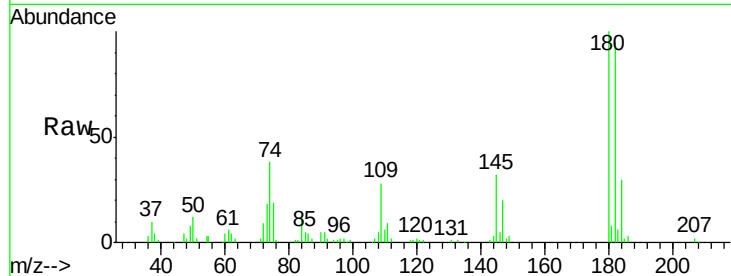
#93
 1,2,4-Trichlorobenzene
 Concen: 52.931 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	80280		
182	94.2	47.3	141.9	
145	32.1	16.0	47.9	

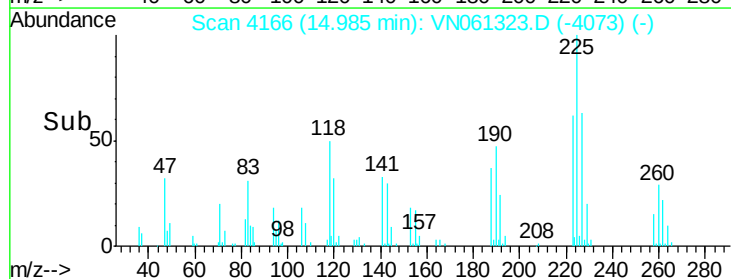
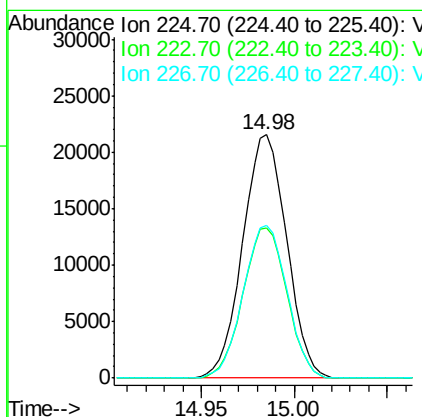
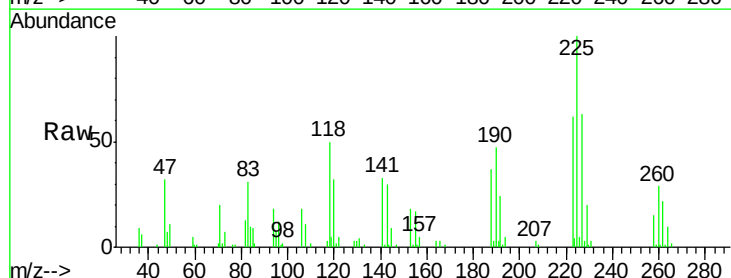
Manual Integrations
 APPROVED

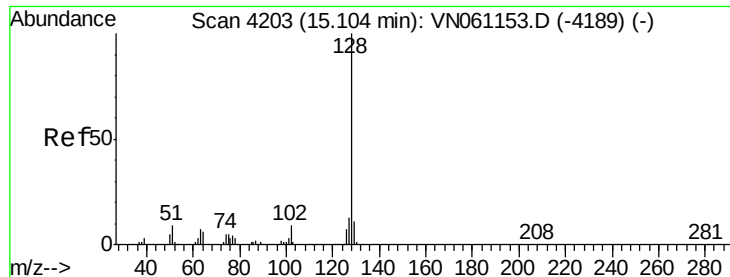
MMDadoda
 5/8/2020 1:18:12 PM



#94
 Hexachlorobutadiene
 Concen: 55.960 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061323.D
 Acq: 7 May 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35458		
223	61.7	32.4	97.0	
227	62.4	32.4	97.0	





#95

Naphthalene

Concen: 51.218 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061323.D

Acq: 7 May 2020 10:35

Instrument :

MSVOA_N

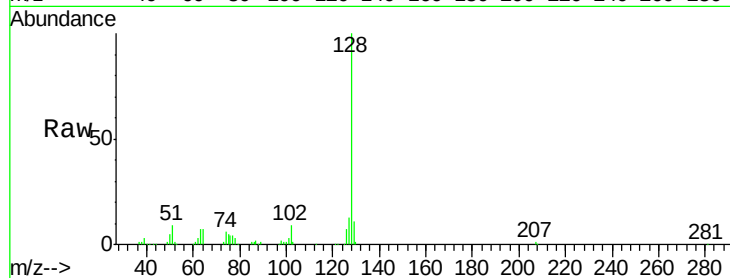
ClientSampleId :

VSTDCCC050

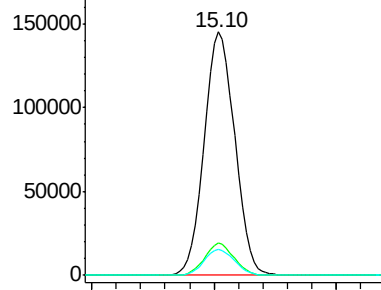
Tot Ion:	128	Resp:	252988
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.6	8.7	13.1

Manual Integrations
APPROVED

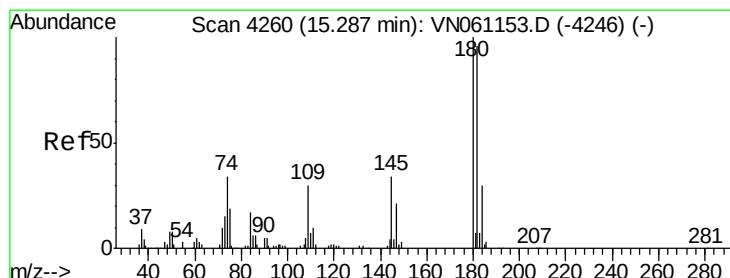
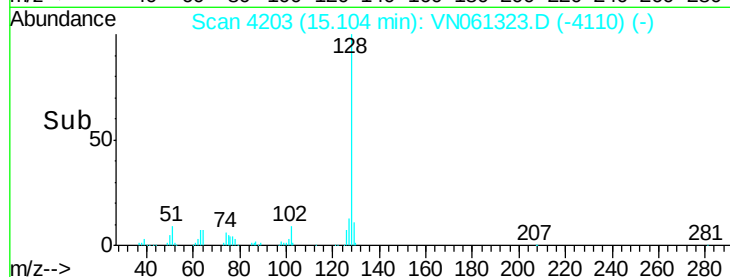
MMDadoda
5/8/2020 1:18:12 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 15.00 15.10 15.20



#96

1,2,3-Trichlorobenzene

Concen: 51.709 ug/l

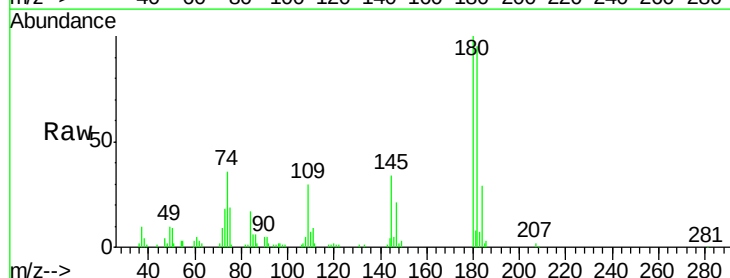
RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

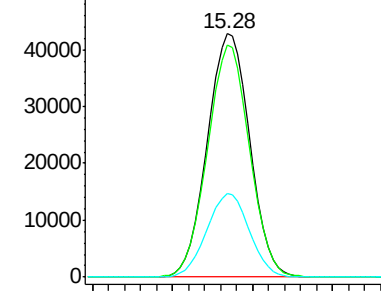
Lab File: VN061323.D

Acq: 7 May 2020 10:35

Tgt Ion:	180	Resp:	77432
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.5	142.5
145	34.3	16.9	50.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time--> 15.20 15.25 15.30 15.35

