

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061090.D
 Acq On : 18 Apr 2020 6:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:07:28 AM

Quant Time: Apr 20 07:27:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	148539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	255410	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	233974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110960	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	95629	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
35) Dibromofluoromethane	7.56	113	72875	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
50) Toluene-d8	10.08	98	266797	47.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.68%	
62) 4-Bromofluorobenzene	12.39	95	106765	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	97763	49.797	ug/l	100
3) Chloromethane	2.04	50	132708	50.373	ug/l	100
4) Vinyl Chloride	2.17	62	112308	51.298	ug/l	99
5) Bromomethane	2.54	94	54726	49.846	ug/l	99
6) Chloroethane	2.68	64	65426	51.806	ug/l	99
7) Trichlorofluoromethane	3.00	101	140587	51.580	ug/l	99
8) Diethyl Ether	3.38	74	56245	51.921	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	78539	49.114	ug/l	99
10) Methyl Iodide	3.93	142	76488	54.218	ug/l	99
11) Tert butyl alcohol	4.72	59	89313	264.873	ug/l	100
12) 1,1-Dichloroethene	3.72	96	81816	50.333	ug/l	98
13) Acrolein	3.57	56	64577	226.820	ug/l	99
14) Allyl chloride	4.29	41	145152	47.195	ug/l	99
15) Acrylonitrile	4.94	53	254285	278.134	ug/l	98
16) Acetone	3.78	43	208148	248.835	ug/l	99
17) Carbon Disulfide	4.03	76	249982	49.147	ug/l	99
18) Methyl Acetate	4.28	43	151130	57.616	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	290584	51.269	ug/l	98
20) Methylene Chloride	4.52	84	91960	50.352	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	87833	50.520	ug/l	98
22) Diisopropyl ether	5.91	45	336335	52.655	ug/l	99
23) Vinyl Acetate	5.86	43	1295582	258.653	ug/l	100
24) 1,1-Dichloroethane	5.82	63	177550	51.465	ug/l	100
25) 2-Butanone	6.79	43	339371	264.760	ug/l	99
26) 2,2-Dichloropropane	6.79	77	104612	36.419	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	101252	50.728	ug/l	97
28) Bromochloromethane	7.17	49	80653	50.930	ug/l	98
29) Tetrahydrofuran	7.18	42	233773	268.641	ug/l	99
30) Chloroform	7.35	83	164523	51.129	ug/l	98
31) Cyclohexane	7.63	56	169030	47.747	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	141523	50.846	ug/l	99
36) 1,1-Dichloropropene	7.77	75	129149	49.001	ug/l	100
37) Ethyl Acetate	6.89	43	144905	50.634	ug/l	100
38) Carbon Tetrachloride	7.75	117	113169	51.586	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	151825	48.183	ug/l	99
40) Benzene	8.02	78	385582	49.314	ug/l	99
41) Methacrylonitrile	7.14	41	69607m	58.313	ug/l	
42) 1,2-Dichloroethane	8.10	62	134739	50.586	ug/l	100
43) Isopropyl Acetate	8.14	43	239960	51.555	ug/l	99
44) Trichloroethene	8.81	130	94420	48.059	ug/l	100
45) 1,2-Dichloropropane	9.10	63	105817	50.105	ug/l	99
46) Dibromomethane	9.19	93	63638	52.263	ug/l	99
47) Bromodichloromethane	9.38	83	131794	51.236	ug/l	99
48) Methyl methacrylate	9.18	41	108524	52.761	ug/l	98
49) 1,4-Dioxane	9.18	88	30273	1059.145	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	719307	268.086	ug/l	100
52) Toluene	10.14	92	231465	49.346	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	143006	47.861	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	157046	48.172	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	89163	50.230	ug/l	95
56) Ethyl methacrylate	10.42	69	147638	52.892	ug/l	99
57) 1,3-Dichloropropane	10.69	76	159286	50.307	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	337909	266.410	ug/l	99
59) 2-Hexanone	10.74	43	525578	271.615	ug/l	99
60) Dibromochloromethane	10.89	129	95114	52.161	ug/l	99
61) 1,2-Dibromoethane	10.99	107	93337	51.601	ug/l	98
64) Tetrachloroethene	10.62	164	90802	50.716	ug/l	99
65) Chlorobenzene	11.42	112	234880	48.629	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	85738	49.615	ug/l	99
67) Ethyl Benzene	11.50	91	446938	49.192	ug/l	99
68) m/p-Xylenes	11.61	106	327499	99.740	ug/l	99
69) o-Xylene	11.94	106	156565	49.593	ug/l	100
70) Styrene	11.96	104	261012	51.355	ug/l	100
71) Bromoform	12.12	173	68226	52.893	ug/l #	99
73) Isopropylbenzene	12.24	105	422780	47.559	ug/l	100
74) N-amyl acetate	12.06	43	203520	49.232	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	133947	49.361	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	123193m	50.475	ug/l	
77) Bromobenzene	12.52	156	99994	48.177	ug/l	98
78) n-propylbenzene	12.58	91	503978	48.457	ug/l	99
79) 2-Chlorotoluene	12.67	91	293753	48.157	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	356888	48.570	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	42930	43.386	ug/l	99
82) 4-Chlorotoluene	12.77	91	308617	48.782	ug/l	99
83) tert-Butylbenzene	12.99	119	298071	48.236	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	355487	48.944	ug/l	100
85) sec-Butylbenzene	13.17	105	406277	48.524	ug/l	100
86) p-Isopropyltoluene	13.28	119	362084	48.565	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	178222	48.182	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	178367	47.932	ug/l	100
89) n-Butylbenzene	13.61	91	337417	48.667	ug/l	99
90) Hexachloroethane	13.87	117	55883	48.854	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	171707	48.637	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	28453	54.178	ug/l	95

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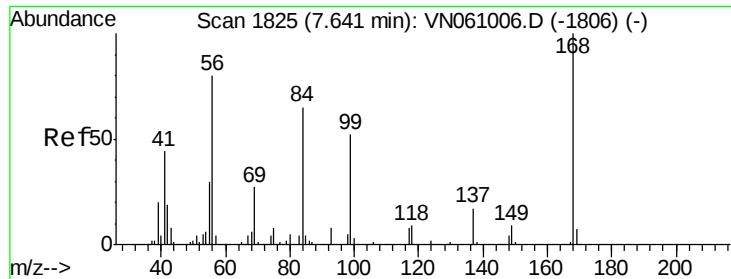
Manual Integrations
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MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	106868	51.144	ug/l	100
94) Hexachlorobutadiene	15.00	225	48936	45.525	ug/l	99
95) Naphthalene	15.13	128	321228	52.713	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	103557	51.426	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 148539

Ion Ratio Lower Upper

168 100

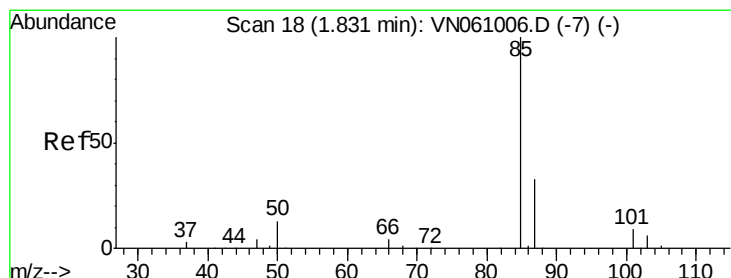
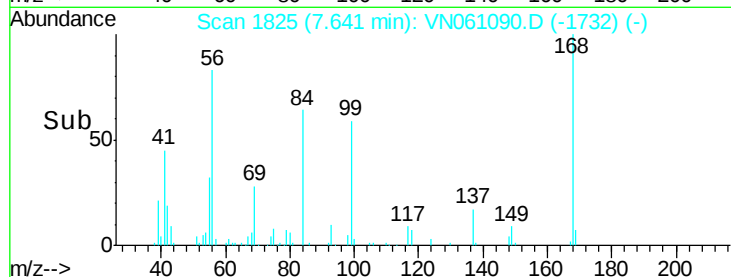
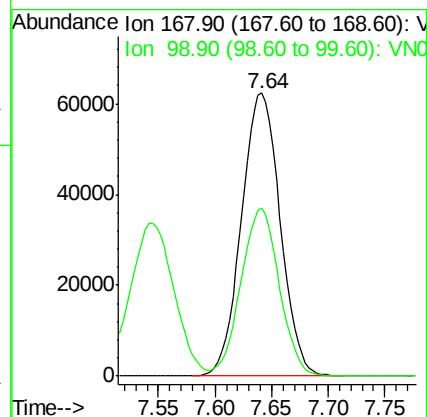
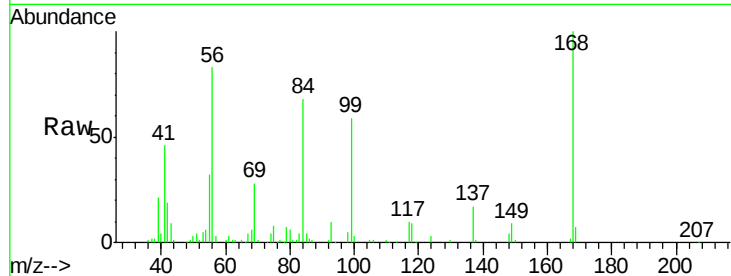
99 59.4 47.4 71.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 49.797 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061090.D

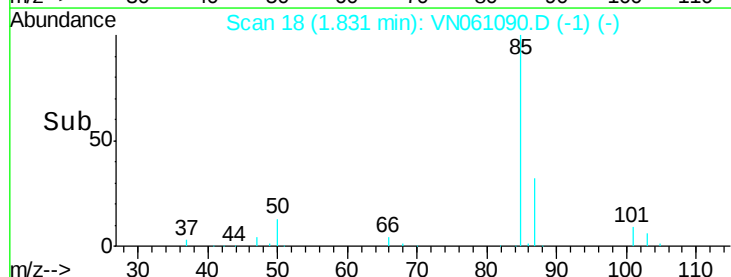
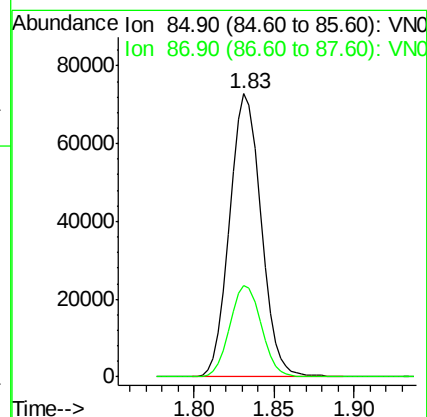
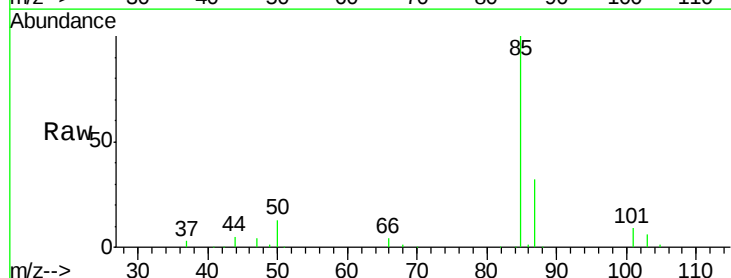
Acq: 18 Apr 2020 6:53

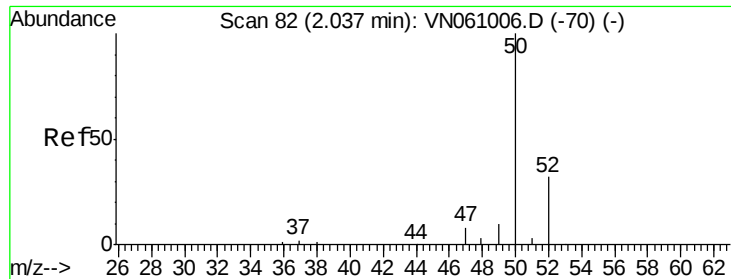
Tgt Ion: 85 Resp: 97763

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.9





#3

Chloromethane

Concen: 50.373 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 132708

Ion Ratio Lower Upper

50 100

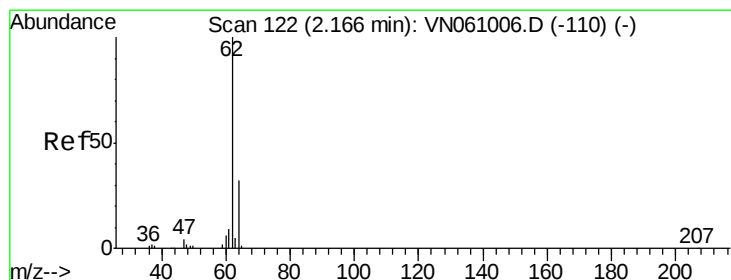
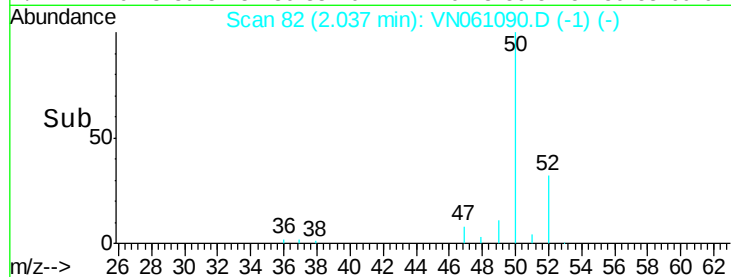
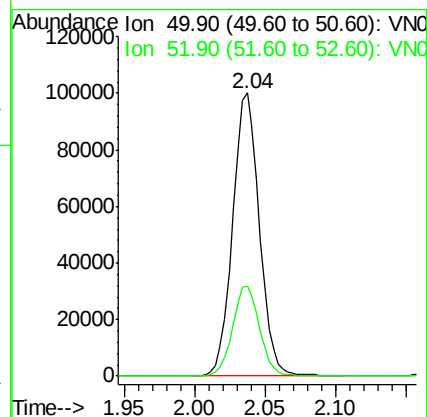
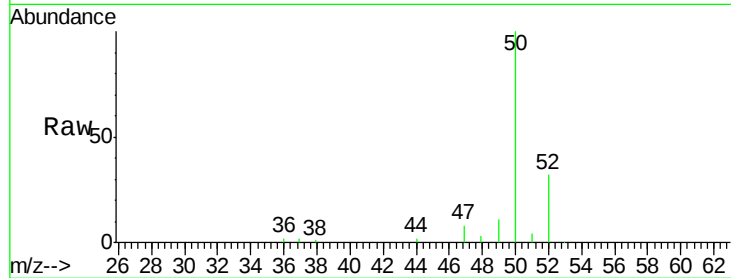
52 32.1 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.298 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061090.D

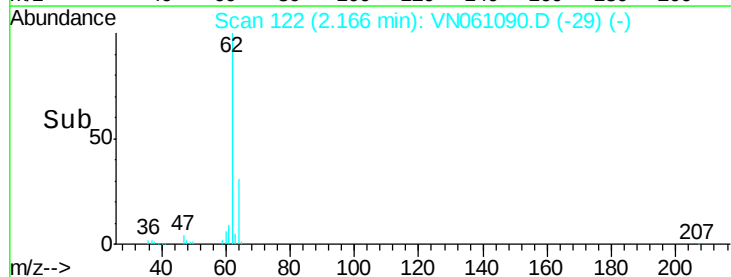
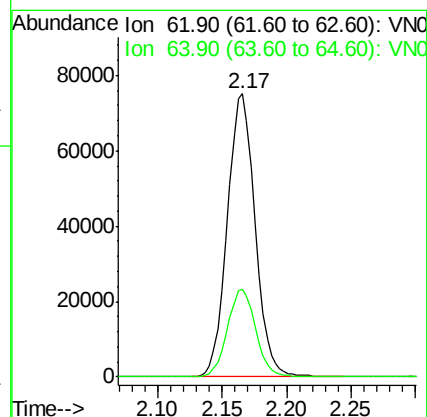
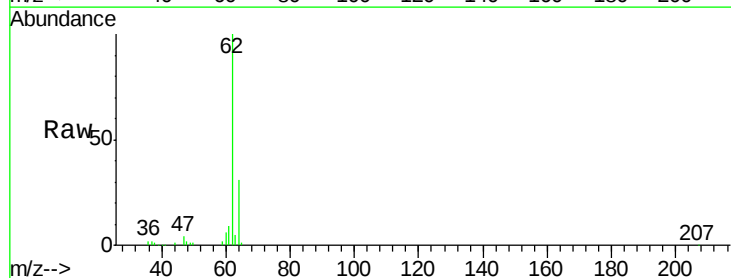
Acq: 18 Apr 2020 6:53

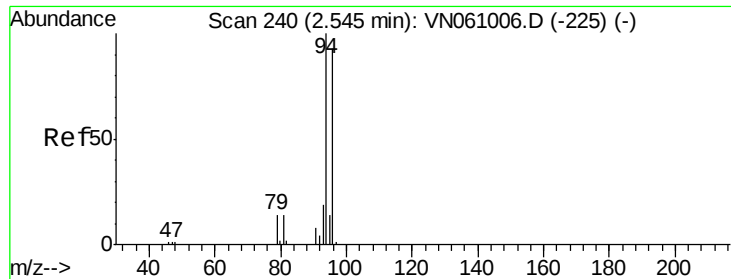
Tgt Ion: 62 Resp: 112308

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0





#5

Bromomethane

Concen: 49.846 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

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Tot Ion: 94 Resp: 54726

Ion Ratio Lower Upper

94 100

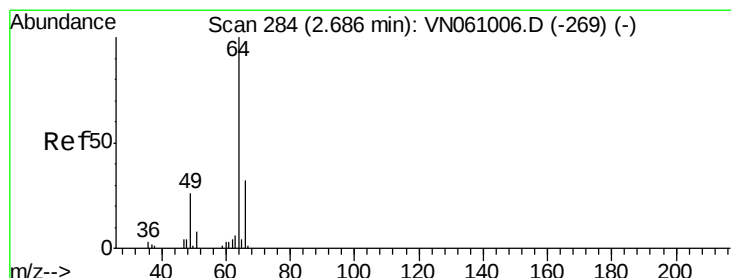
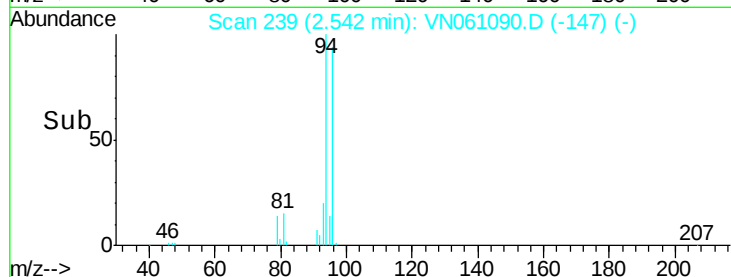
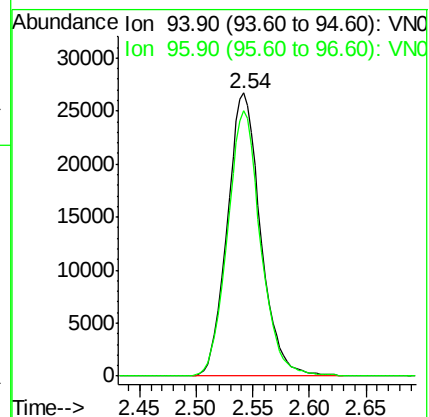
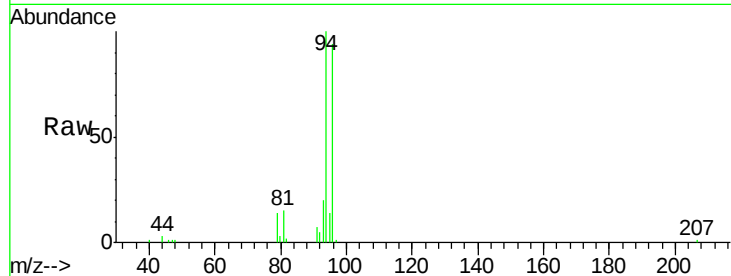
96 93.6 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 51.806 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN061090.D

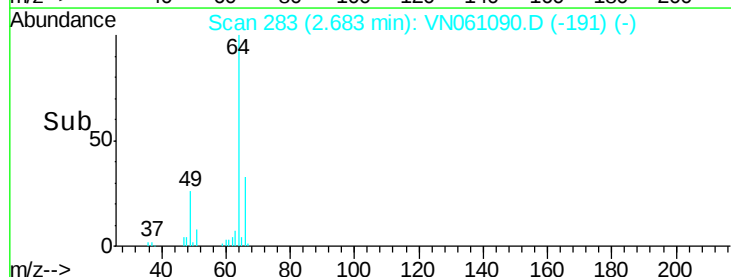
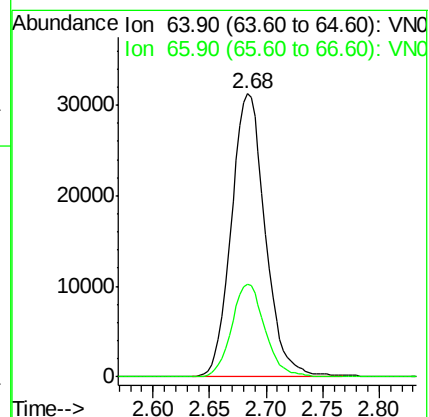
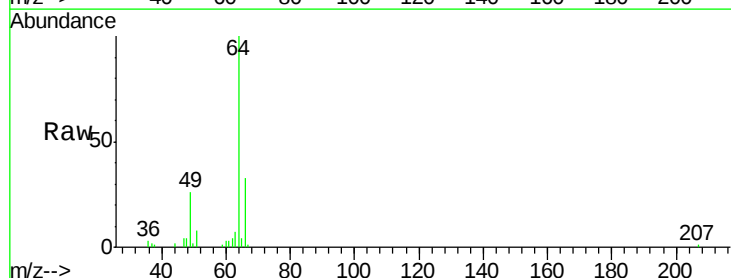
Acq: 18 Apr 2020 6:53

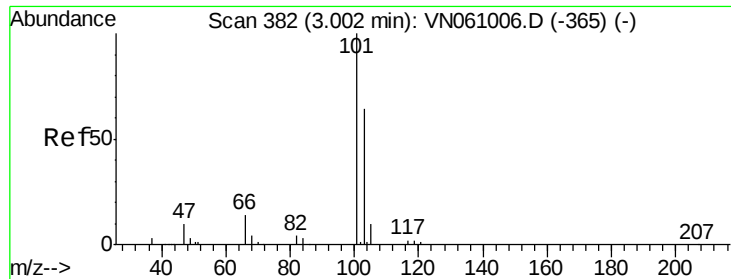
Tgt Ion: 64 Resp: 65426

Ion Ratio Lower Upper

64 100

66 32.9 25.8 38.8





#7

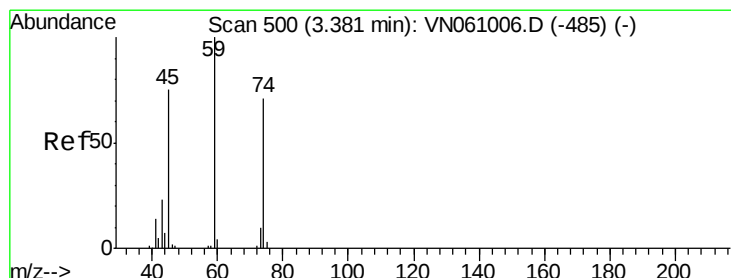
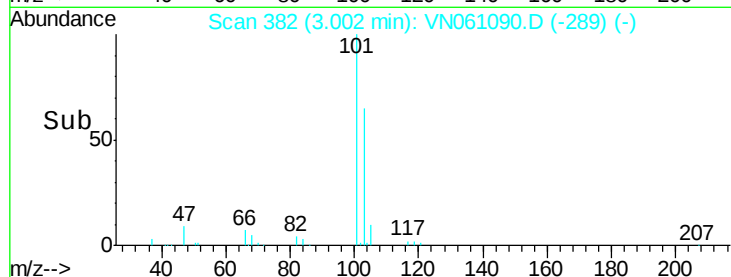
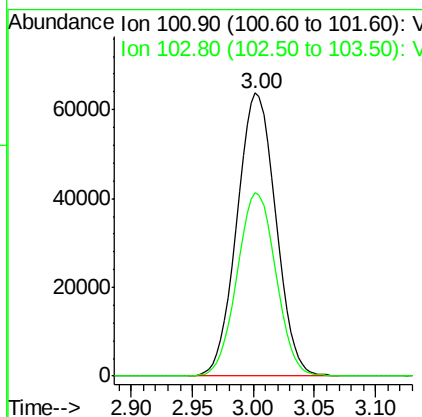
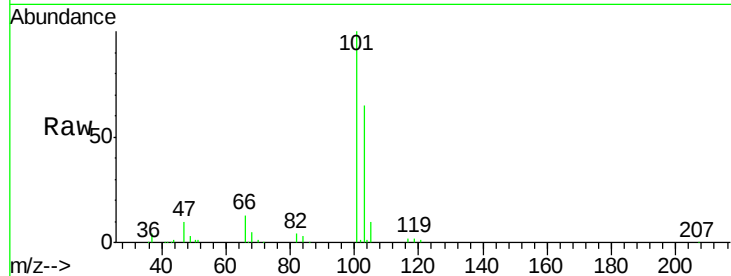
Trichlorofluoromethane
 Concen: 51.580 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN061090.D
 Acq: 18 Apr 2020 6:53

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	140587		
103	64.7	51.4	77.2	

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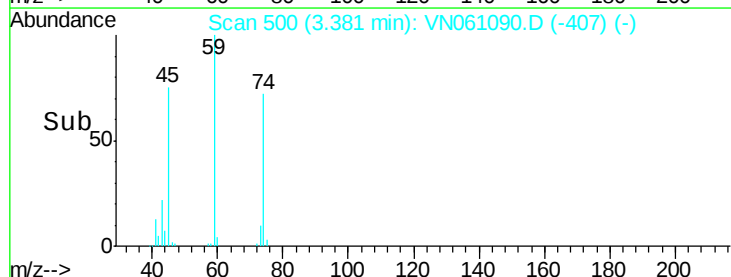
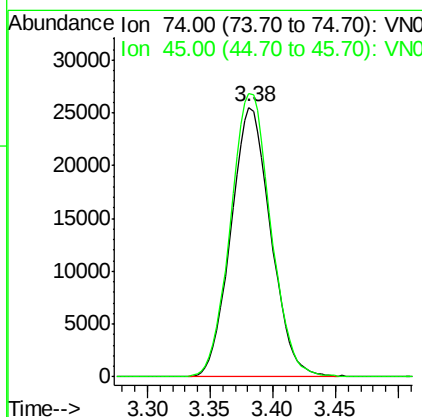
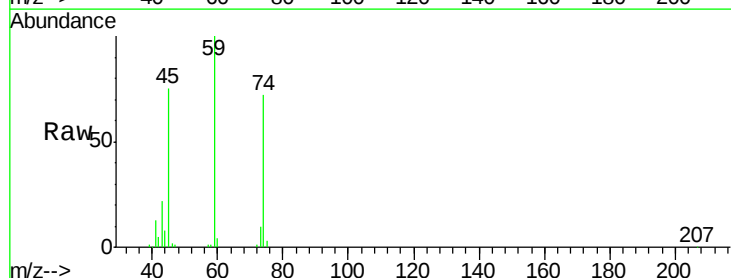
MMDadoda
 4/20/2020 10:07:28 AM

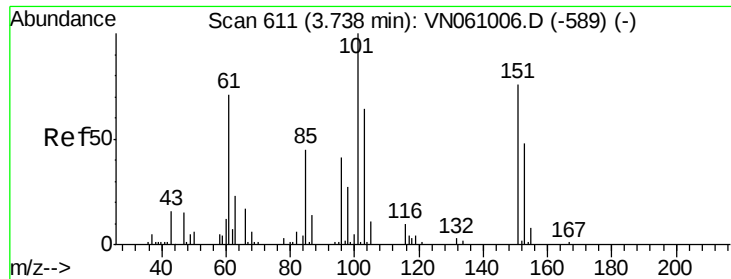


#8

Diethyl Ether
 Concen: 51.921 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VN061090.D
 Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	56245		
45	106.7	52.9	158.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.114 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

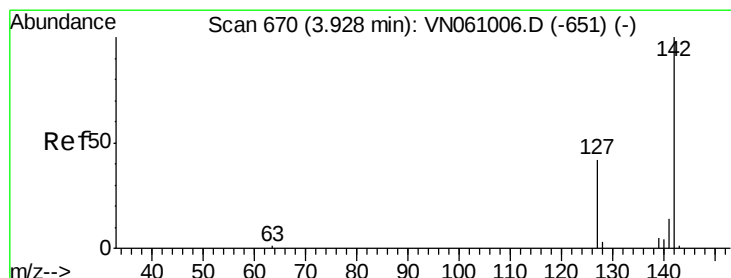
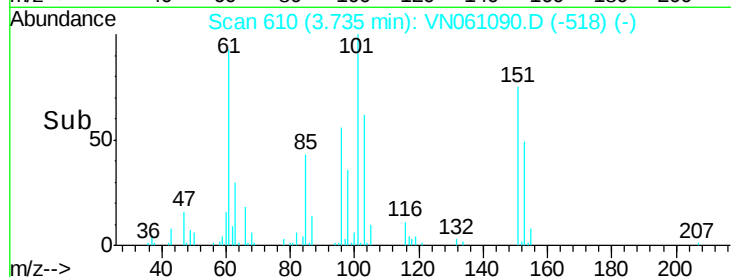
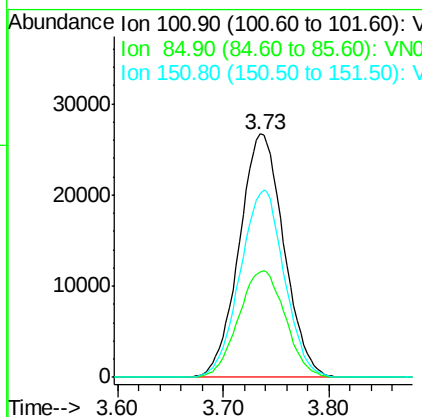
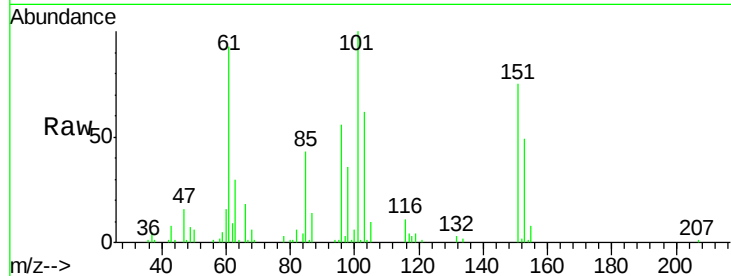
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	78539
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.9	53.9
151	76.2	60.8	91.2

Manual Integrations
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#10

Methyl Iodide

Concen: 54.218 ug/l

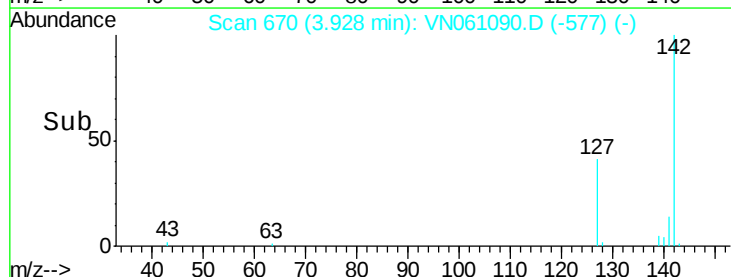
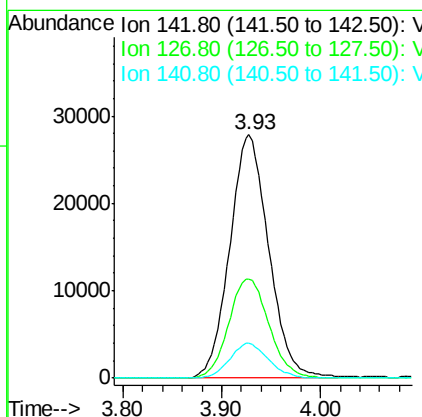
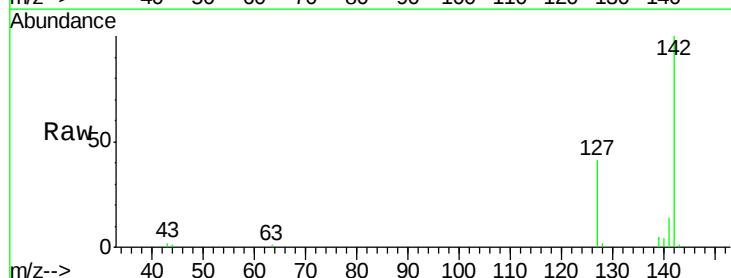
RT: 3.93 min Scan# 670

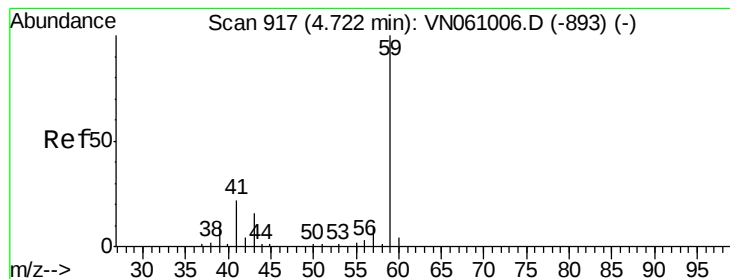
Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Tgt Ion:	142	Resp:	76488
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.4	50.2
141	14.1	11.0	16.6





#11

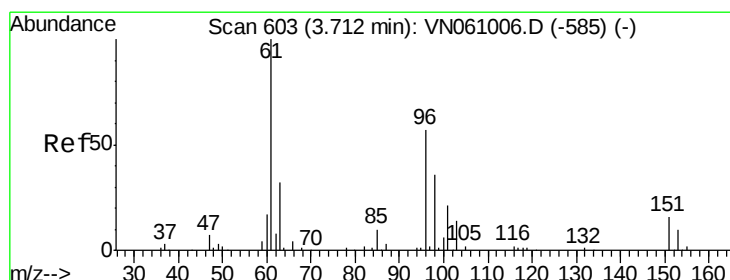
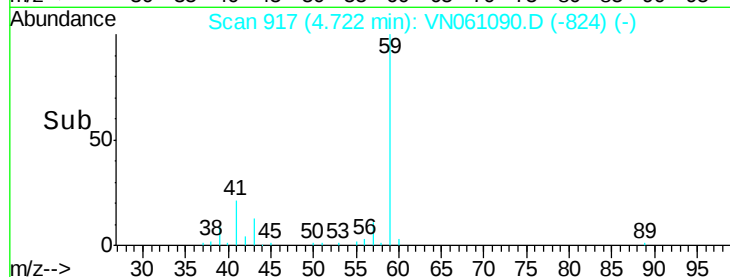
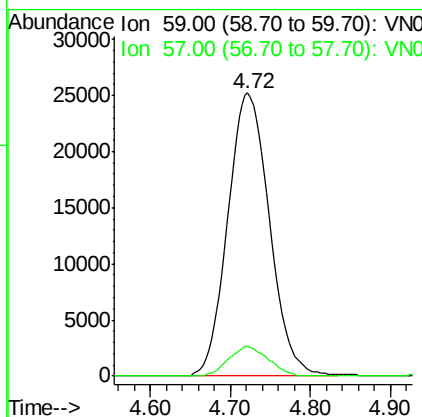
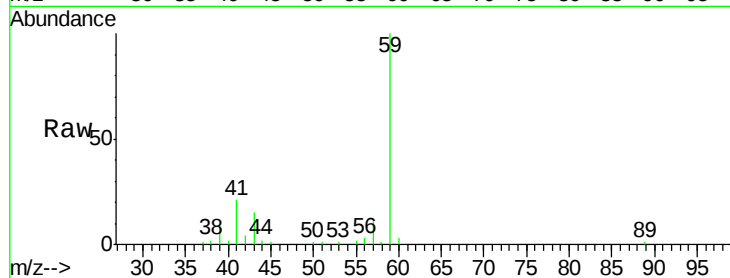
Tert butyl alcohol
Concen: 264.873 ug/l
RT: 4.72 min Scan# 917
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	89313		
57	10.0		8.1	12.1

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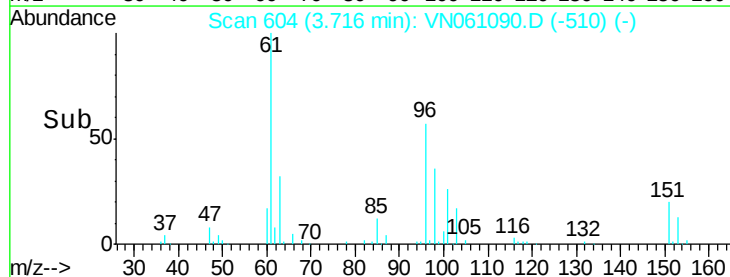
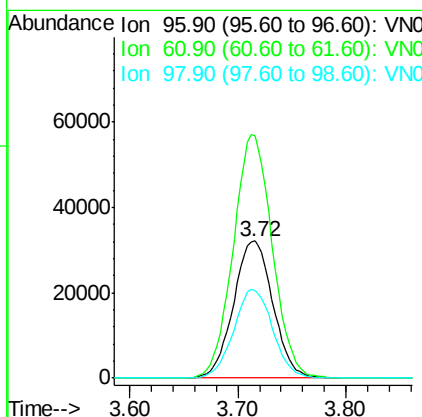
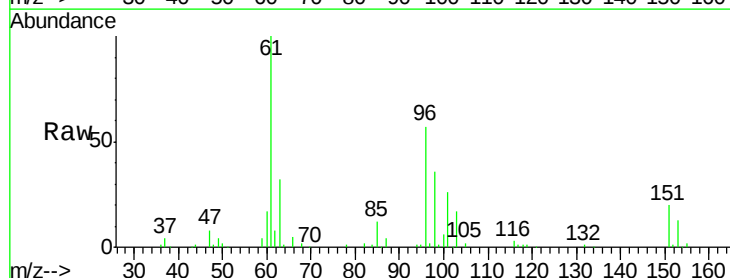
MMDadoda
4/20/2020 10:07:28 AM

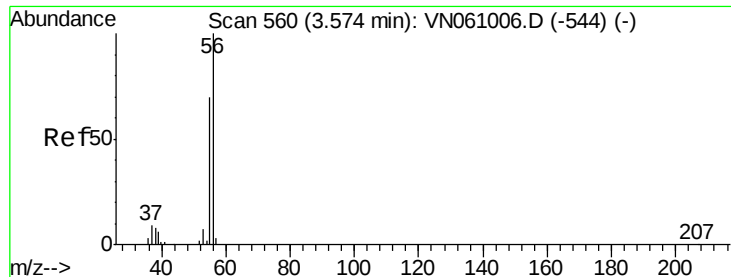


#12

1,1-Dichloroethene
Concen: 50.333 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	81816		
61	176.8		139.2	208.8
98	64.4		50.0	75.0





#13

Acrolein

Concen: 226.820 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 64577

Ion Ratio Lower Upper

56 100

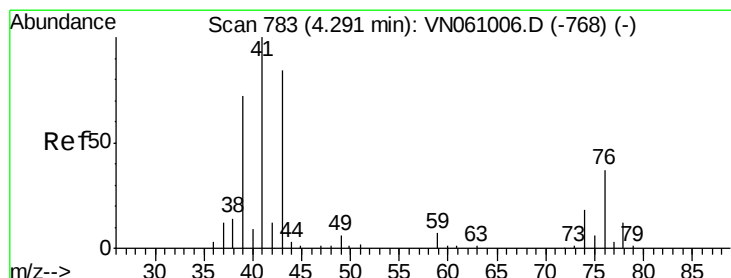
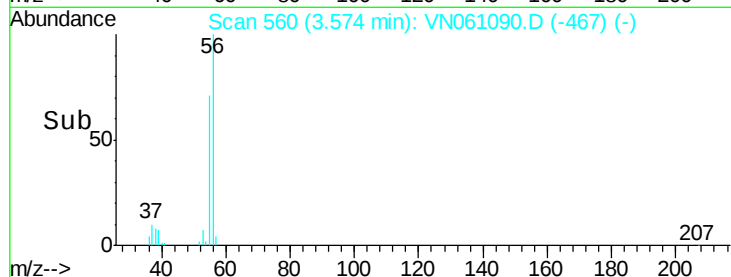
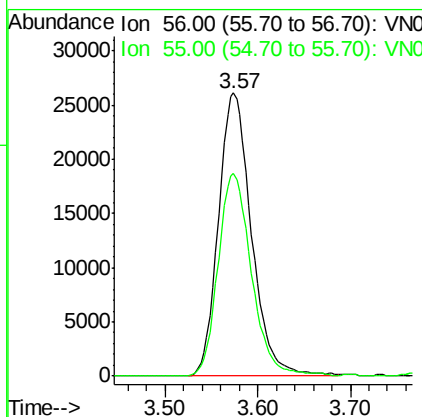
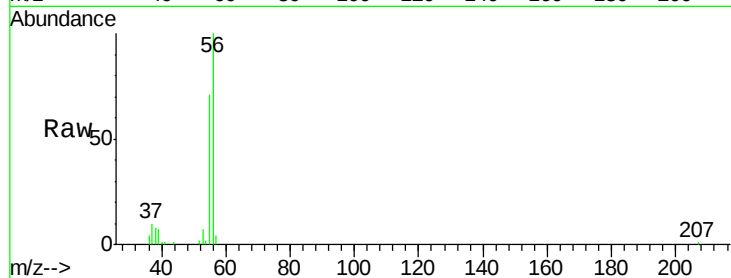
55 71.8 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 47.195 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

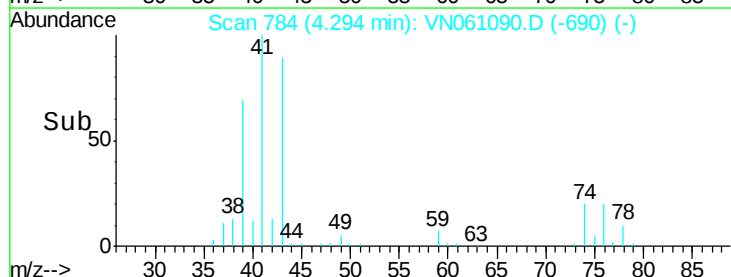
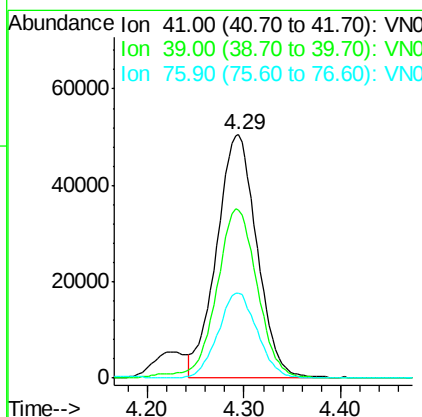
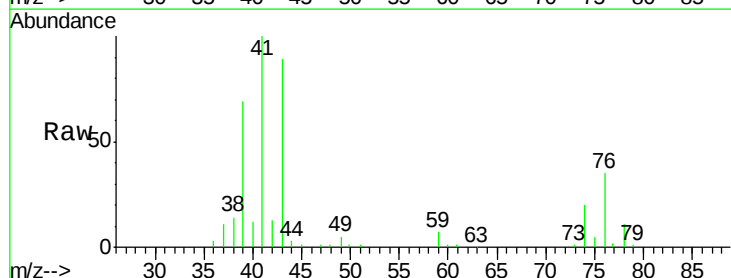
Tgt Ion: 41 Resp: 145152

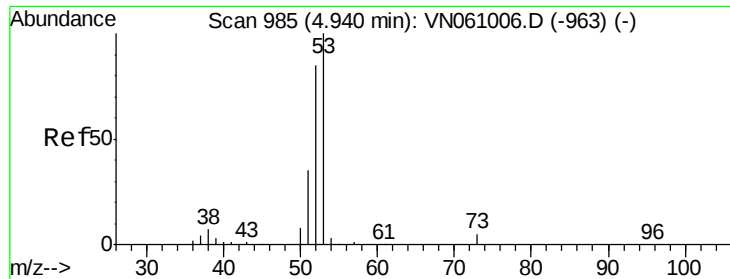
Ion Ratio Lower Upper

41 100

39 71.1 56.3 84.5

76 34.2 27.7 41.5





#15

Acrylonitrile

Concen: 278.134 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

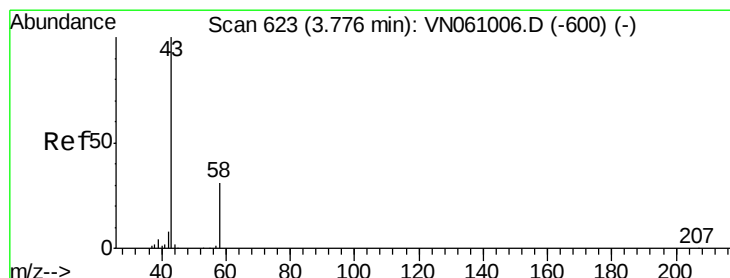
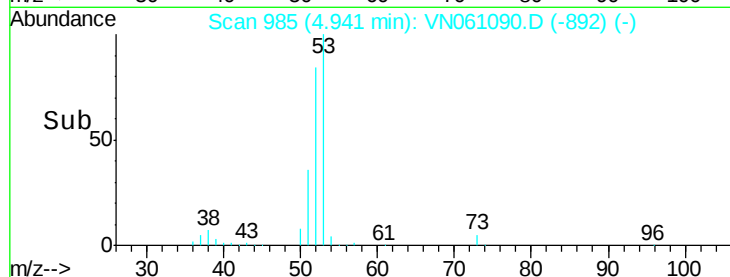
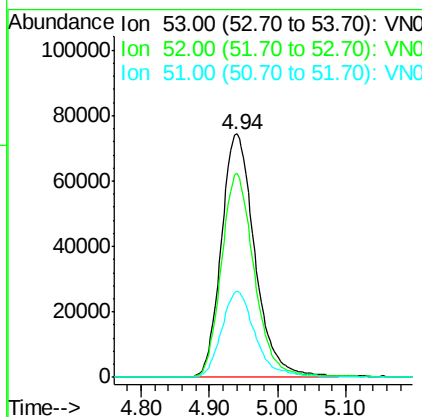
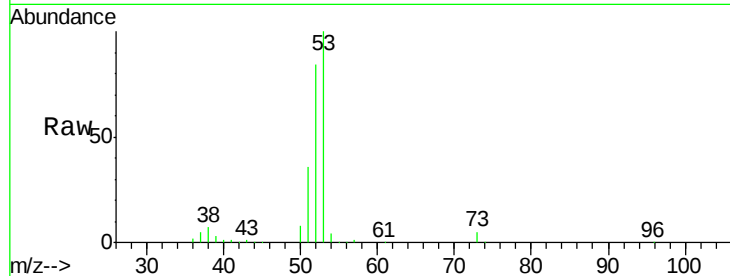
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	254285
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.8	100.2
51	35.7	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 248.835 ug/l

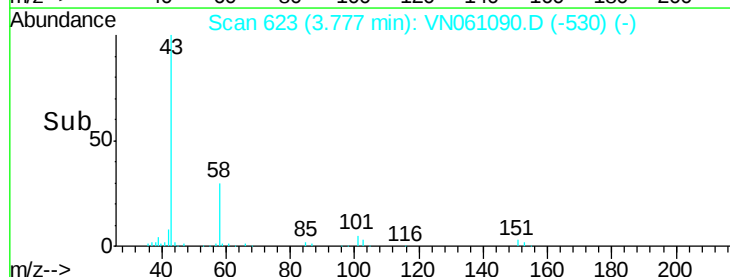
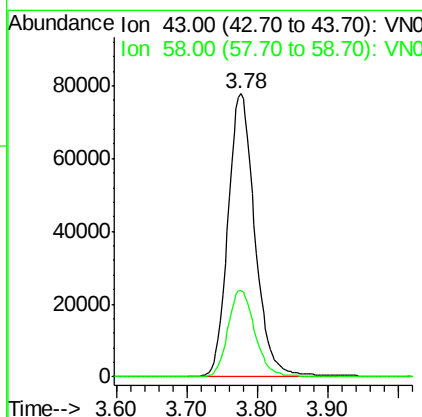
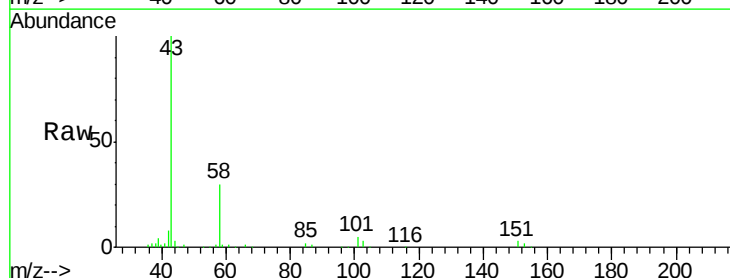
RT: 3.78 min Scan# 623

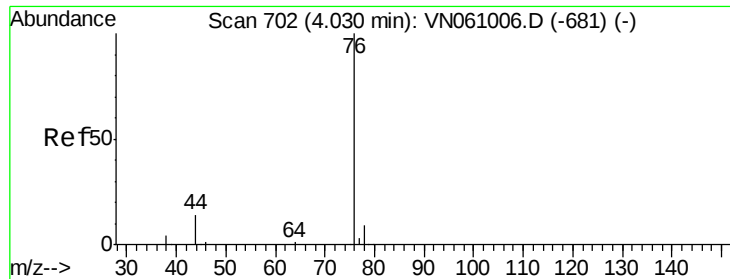
Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Tgt Ion	43	Resp	208148
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.6	37.0





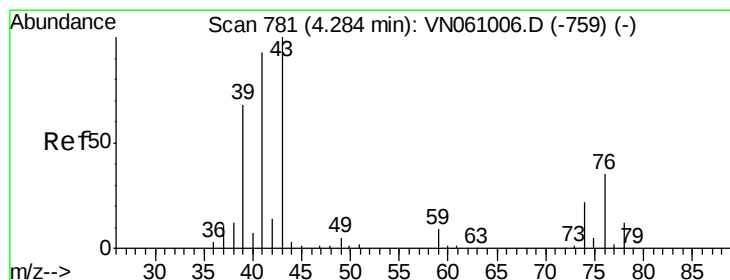
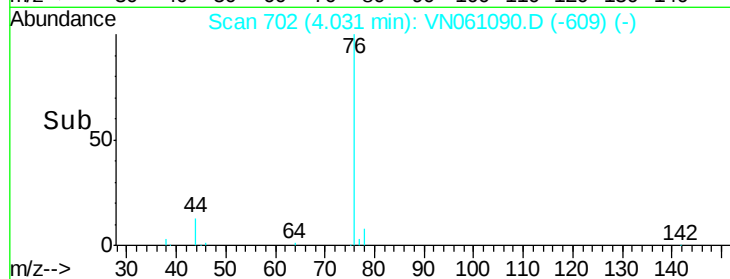
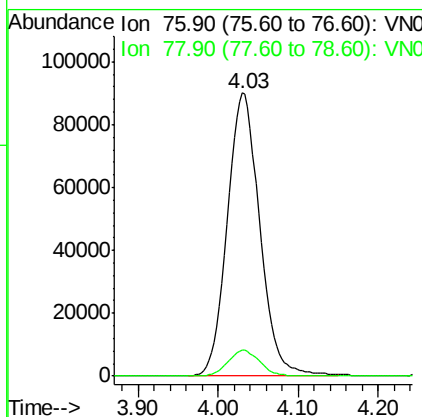
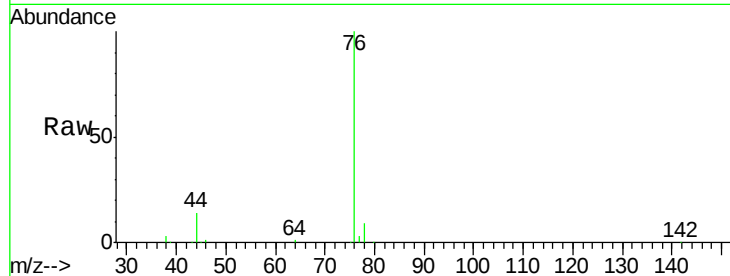
#17
Carbon Disulfide
Concen: 49.147 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.6	11.4

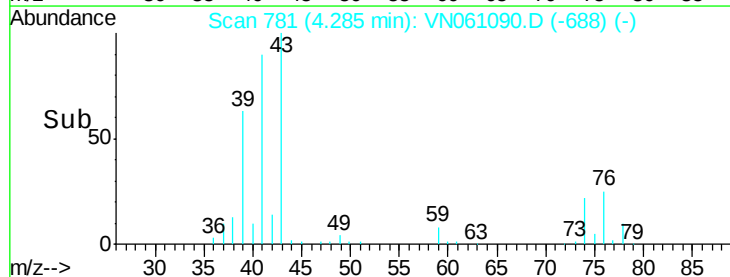
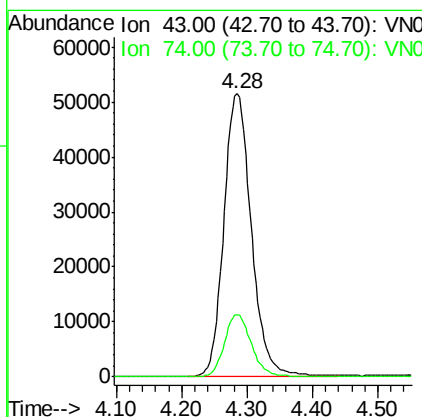
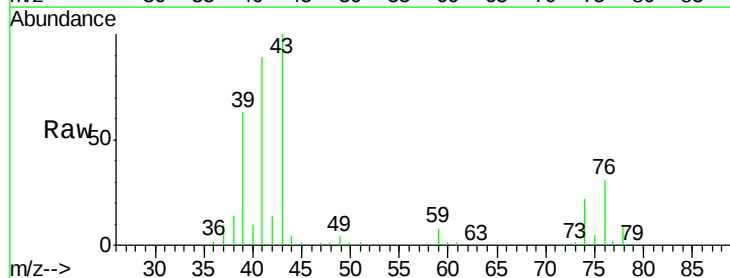
Manual Integrations
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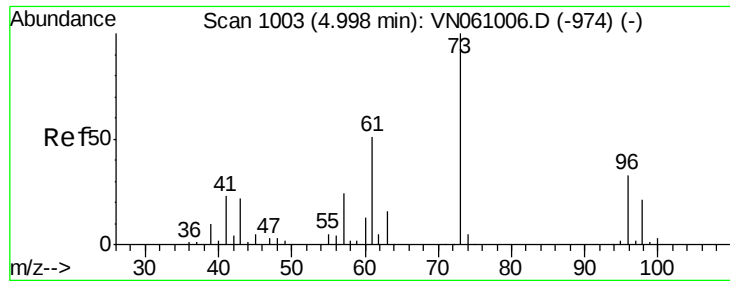
MMDadoda
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#18
Methyl Acetate
Concen: 57.616 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.4	26.0





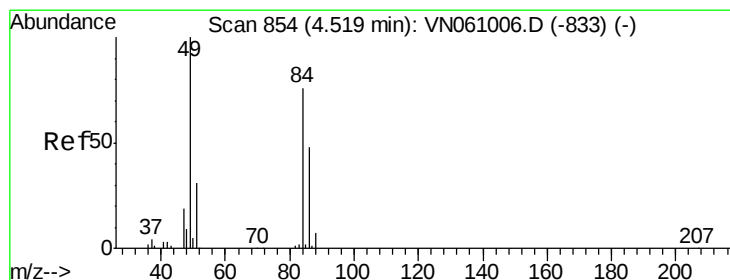
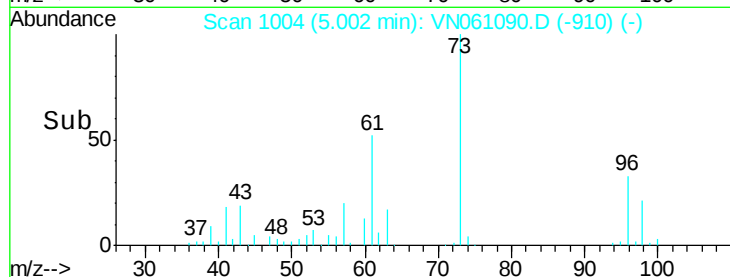
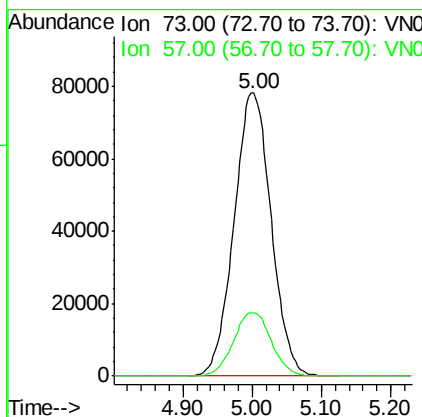
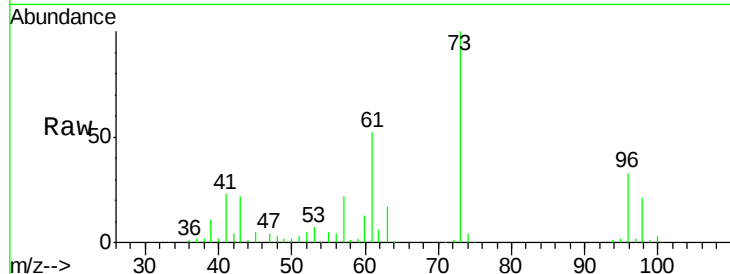
#19
Methvl tert-butvl Ether
Concen: 51.269 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 290584
Ion Ratio Lower Upper
73 100
57 22.5 19.0 28.4

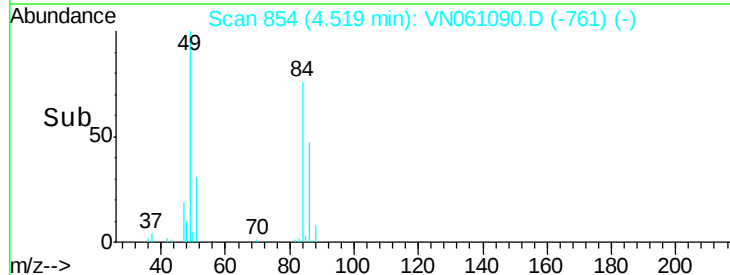
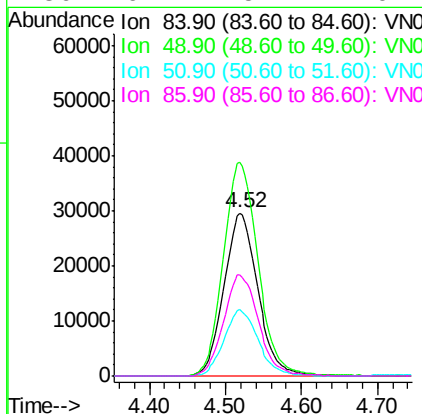
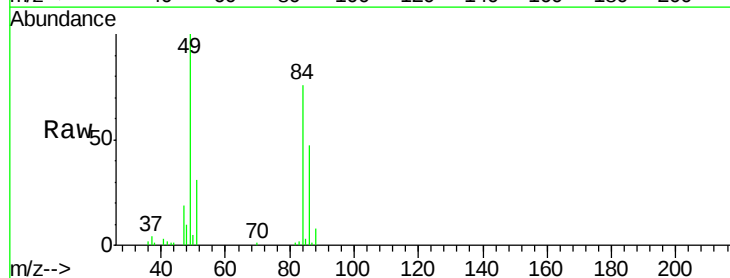
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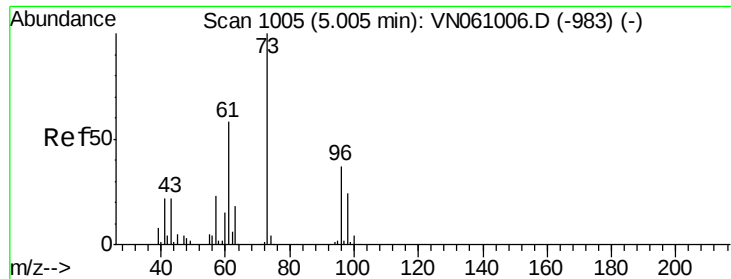
MMDadoda
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#20
Methylene Chloride
Concen: 50.352 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion: 84 Resp: 91960
Ion Ratio Lower Upper
84 100
49 131.2 105.8 158.6
51 40.6 32.4 48.6
86 62.1 51.1 76.7





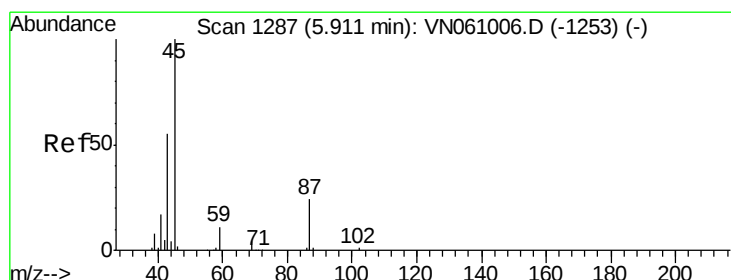
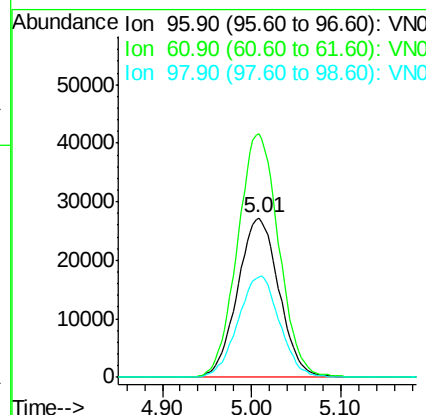
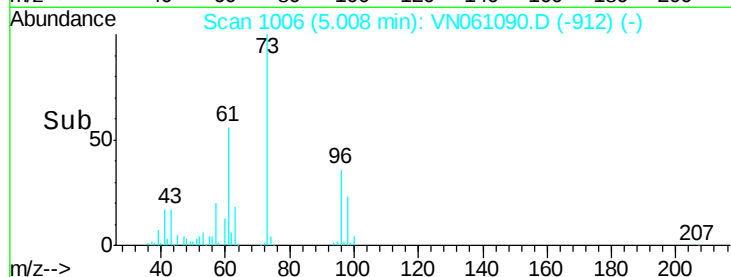
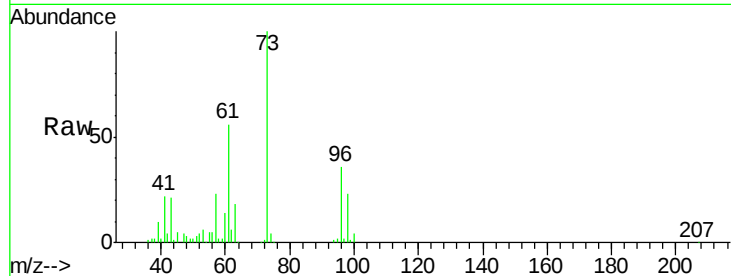
#21
trans-1,2-Dichloroethene
Concen: 50.520 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	124.8	187.2
98	63.1	51.3	76.9

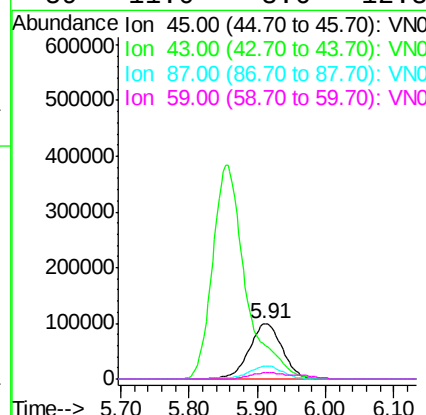
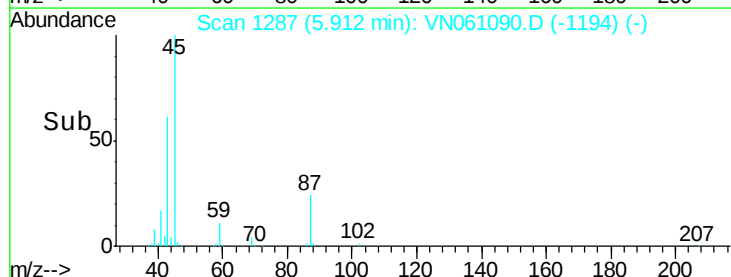
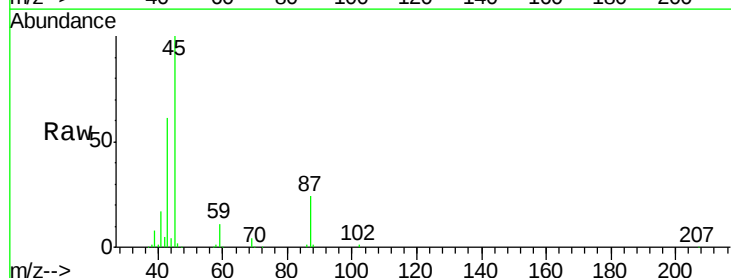
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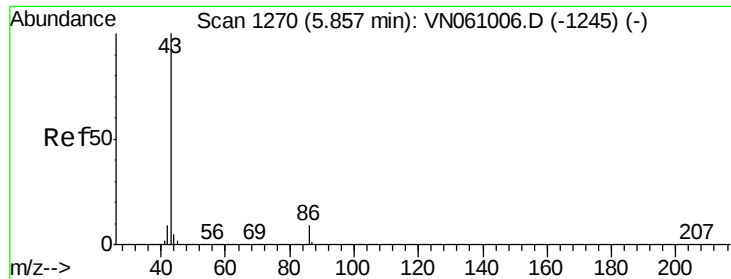
MMDadoda
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#22
Diisopropyl ether
Concen: 52.655 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	48.6	72.8
87	23.6	19.4	29.2
59	11.0	8.6	12.8





#23

Vinyl Acetate

Concen: 258.653 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1295582

Ion Ratio Lower Upper

43 100

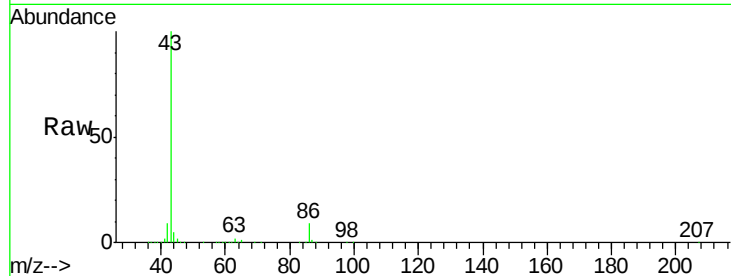
86 9.1 7.3 10.9

Manual Integrations

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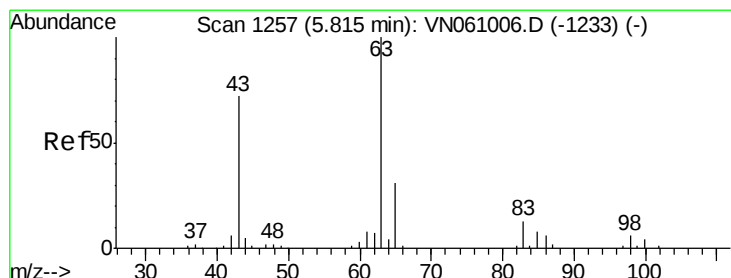
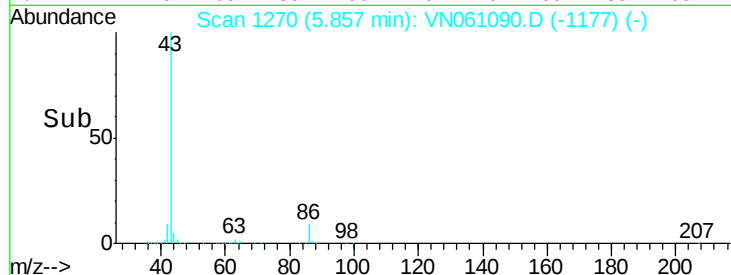
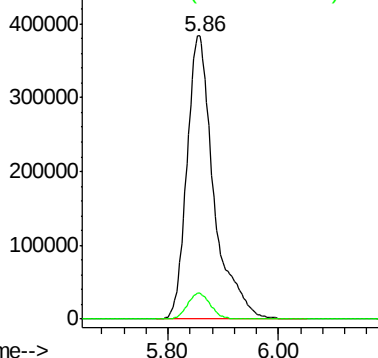
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.465 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

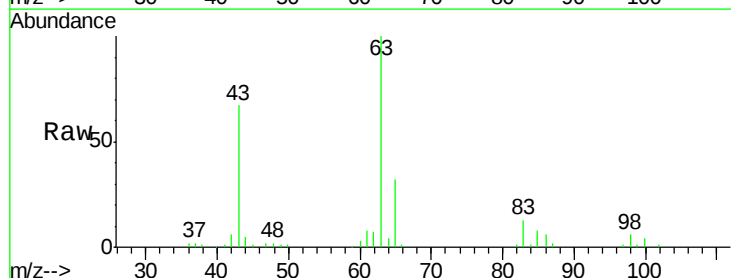
Tgt Ion: 63 Resp: 177550

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

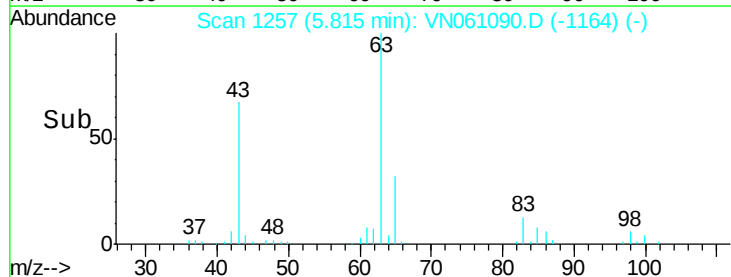
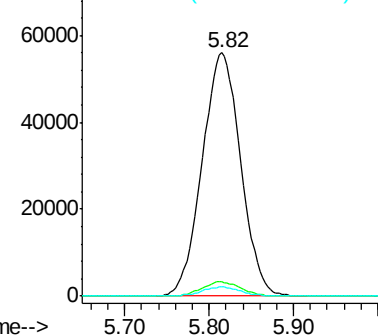
100 3.6 2.0 5.8

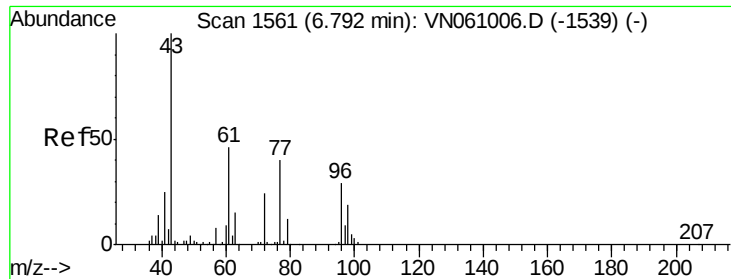


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 264.760 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 339371

Ion Ratio Lower Upper

43 100

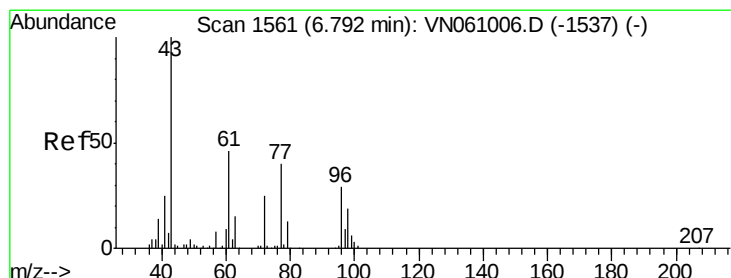
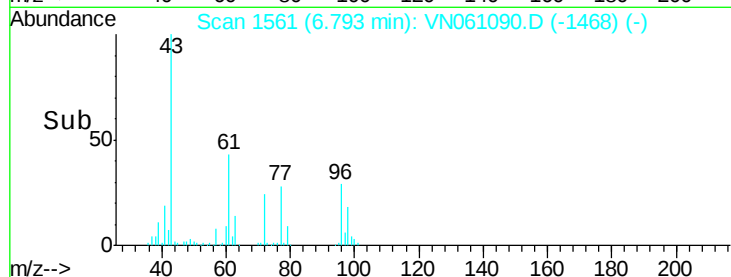
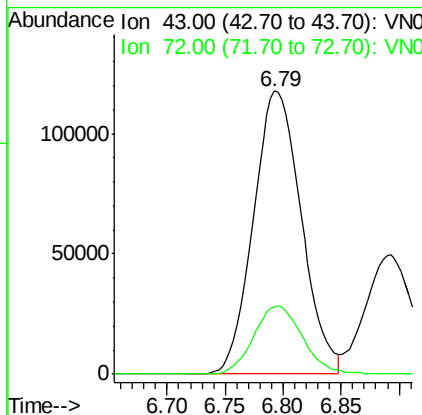
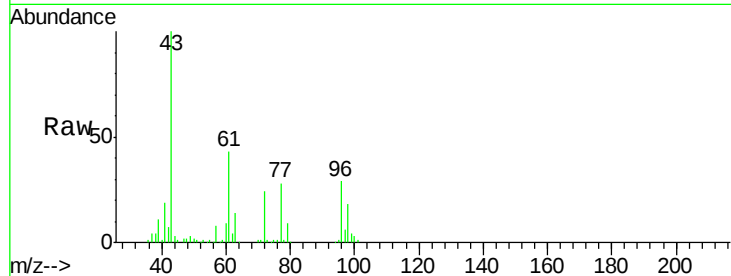
72 23.9 19.6 29.4

Manual Integrations

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MMDadoda

4/20/2020 10:07:28 AM



#26

2,2-Dichloropropane

Concen: 36.419 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN061090.D

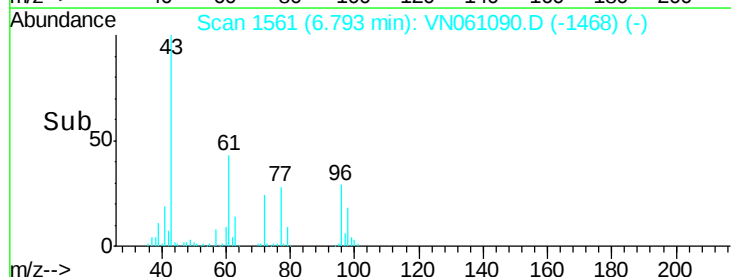
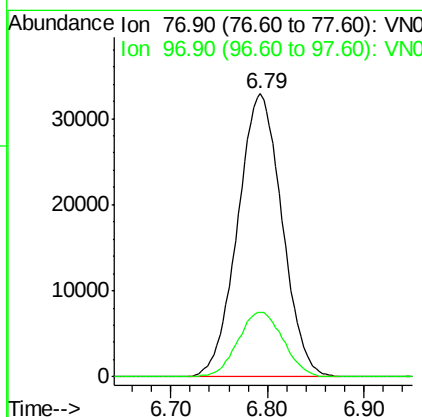
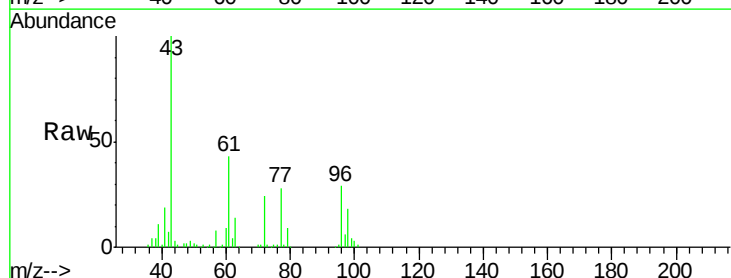
Acq: 18 Apr 2020 6:53

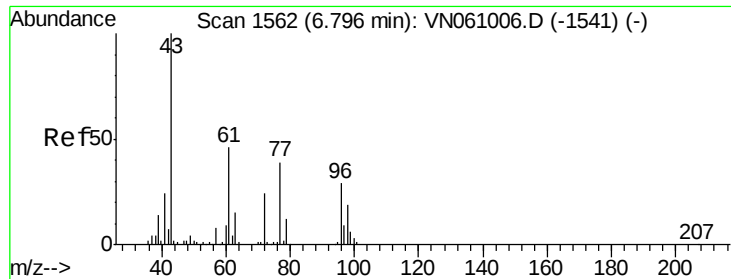
Tgt Ion: 77 Resp: 104612

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 50.728 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

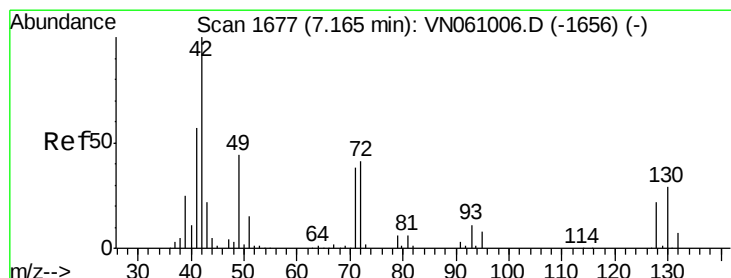
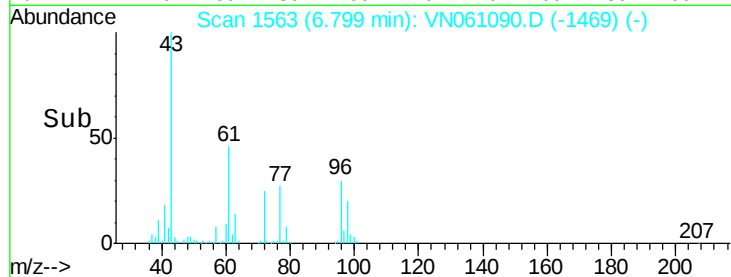
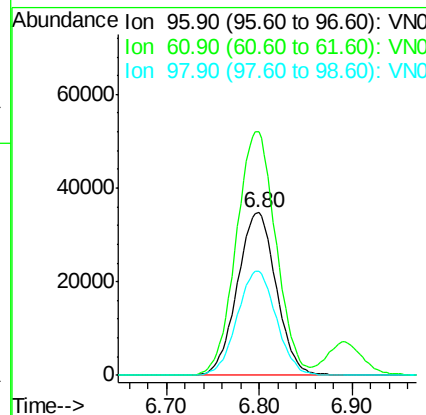
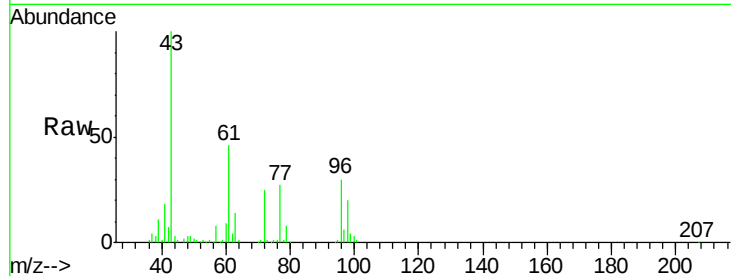
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	101252
Ion Ratio	Lower	Upper	
96	100		
61	152.6	0.0	317.4
98	64.2	0.0	127.8

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#28

Bromochloromethane

Concen: 50.930 ug/l

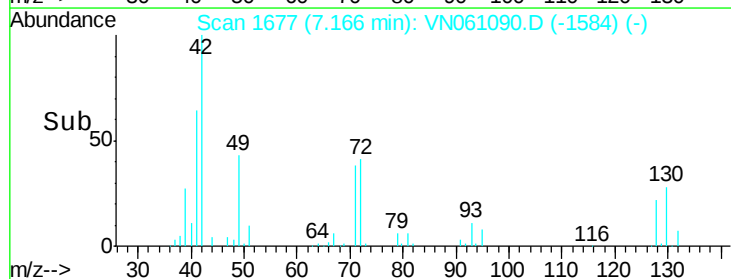
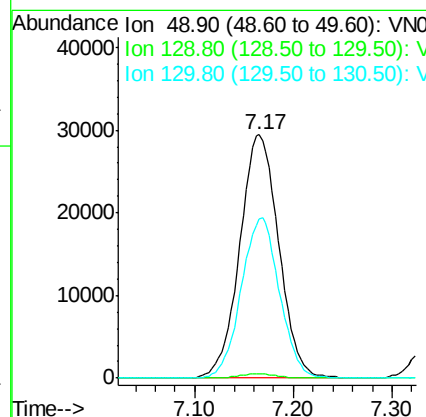
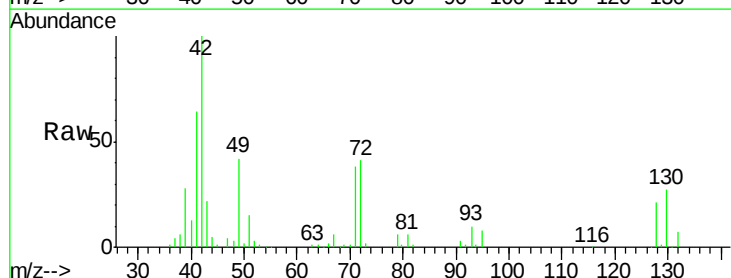
RT: 7.17 min Scan# 1677

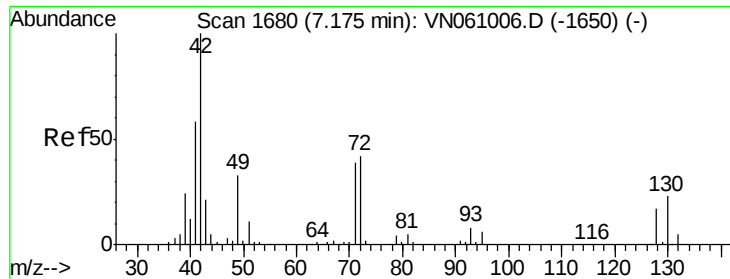
Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Tgt Ion:	49	Resp:	80653
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	3.0
130	64.2	52.9	79.3





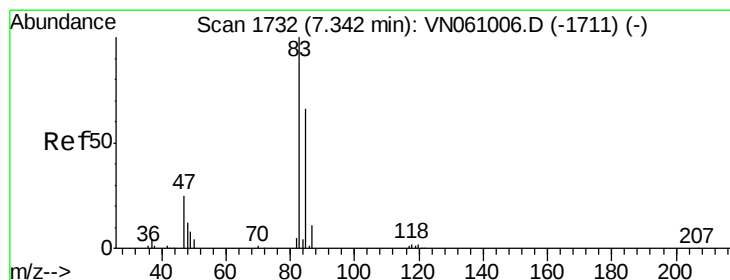
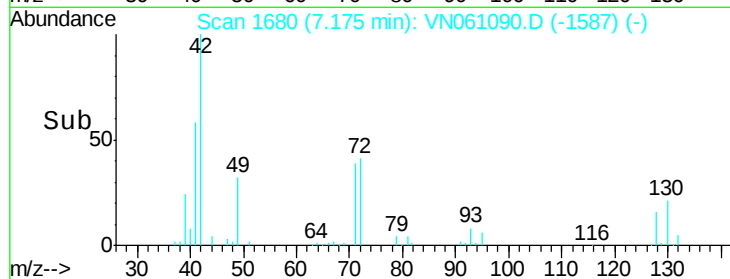
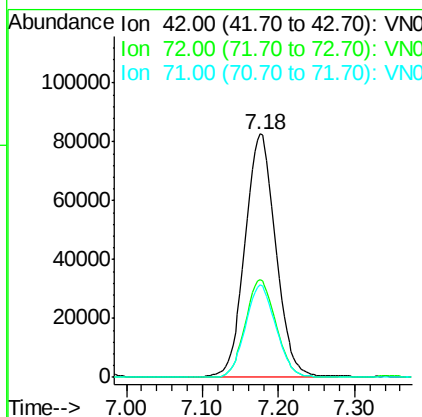
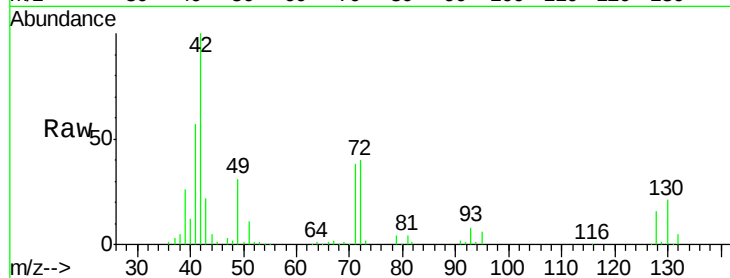
#29
Tetrahydrofuran
Concen: 268.641 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	32.1	48.1
71	37.5	30.5	45.7

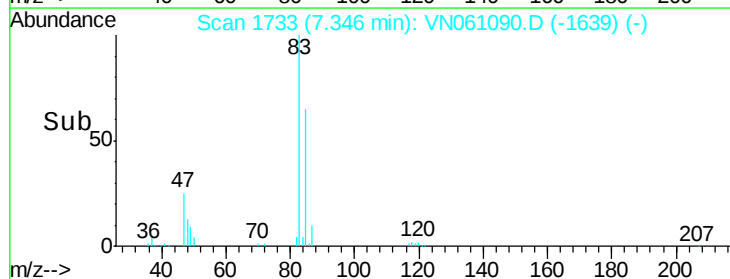
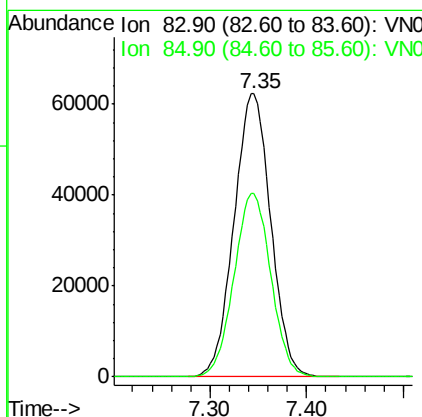
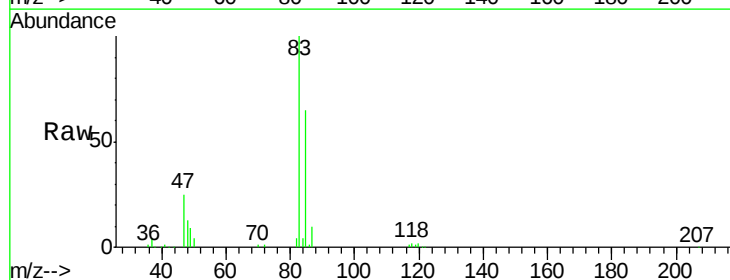
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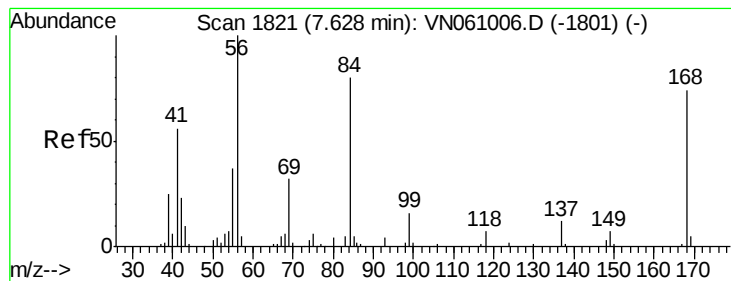
MMDadoda
4/20/2020 10:07:28 AM



#30
Chloroform
Concen: 51.129 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.8	79.2





#31

Cyclohexane

Concen: 47.747 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 169030

Ion Ratio Lower Upper

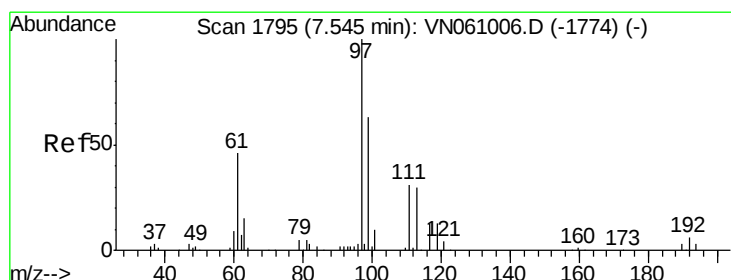
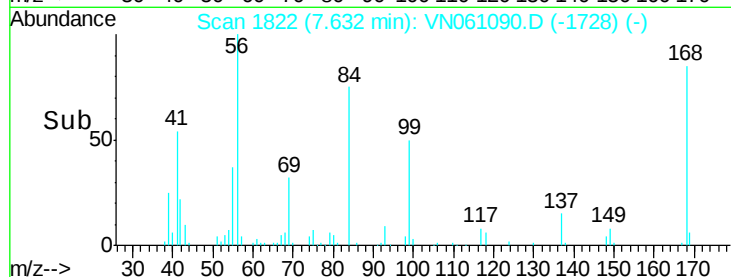
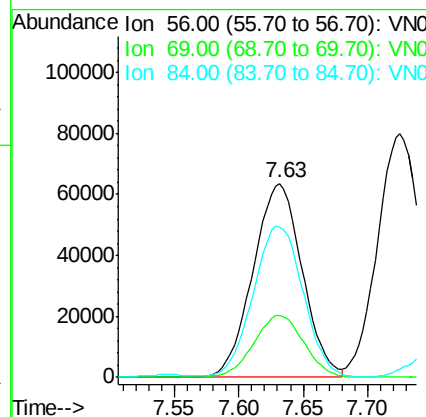
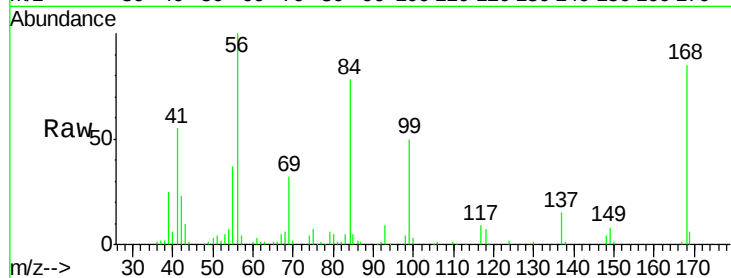
56 100

69 31.8 25.6 38.4

84 76.9 63.4 95.2

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#32

1,1,1-Trichloroethane

Concen: 50.846 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

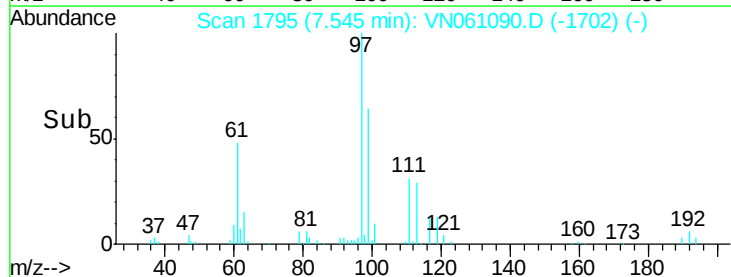
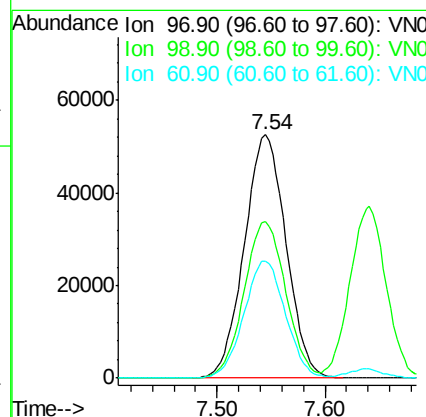
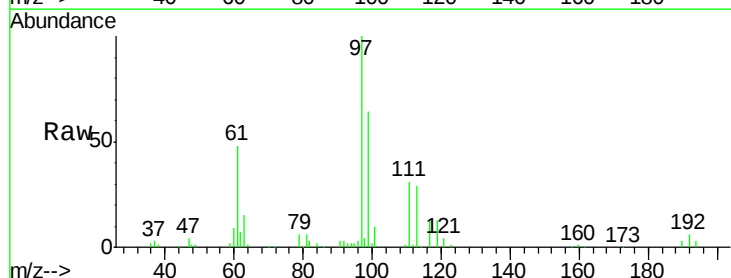
Tgt Ion: 97 Resp: 141523

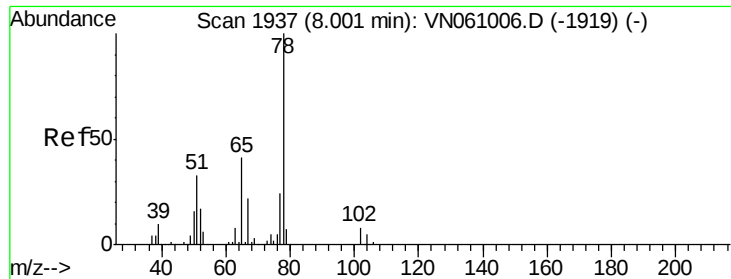
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

61 47.8 37.0 55.6





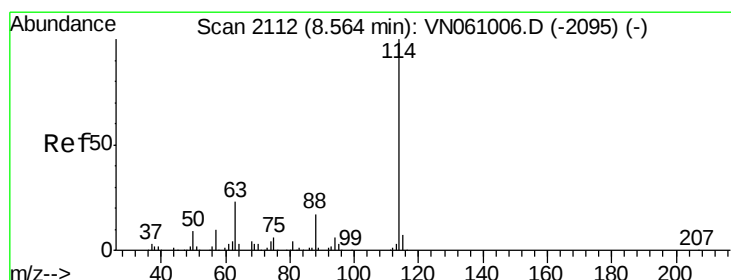
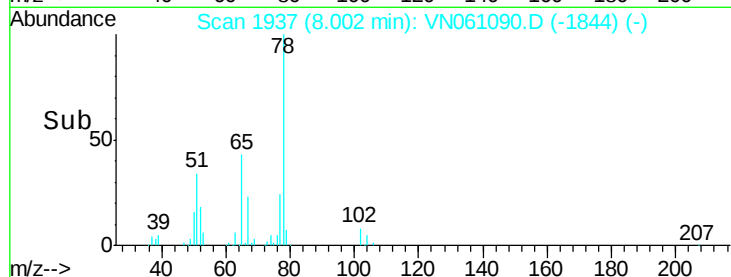
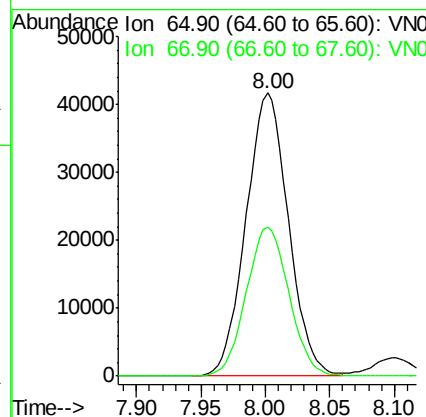
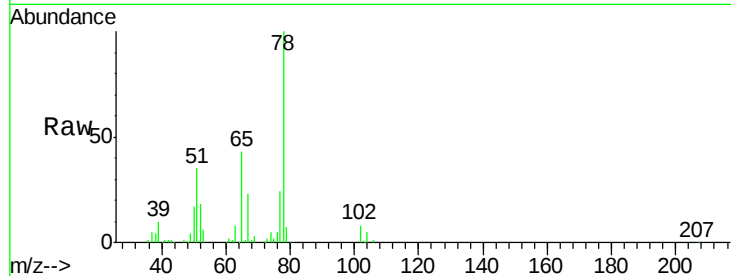
#33
 1,2-Dichloroethane-d4
 Concen: 50.319 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061090.D
 Acq: 18 Apr 2020 6:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	95629		
67	53.0		0.0	107.0

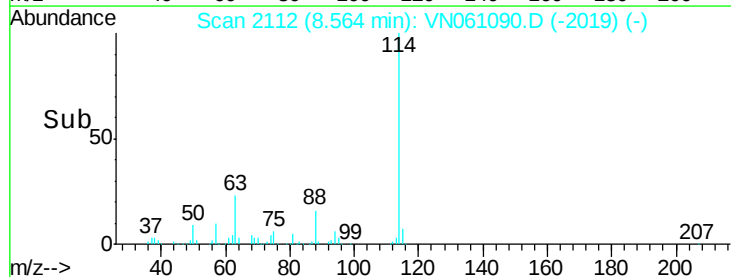
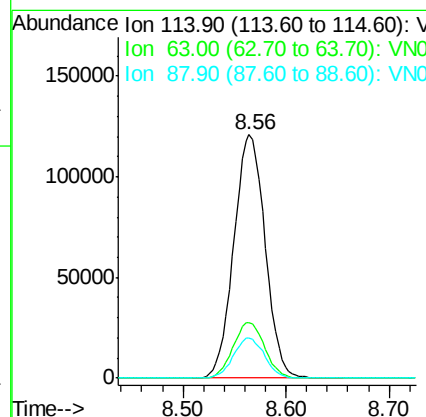
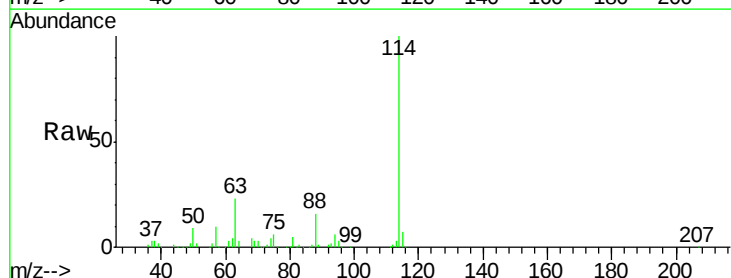
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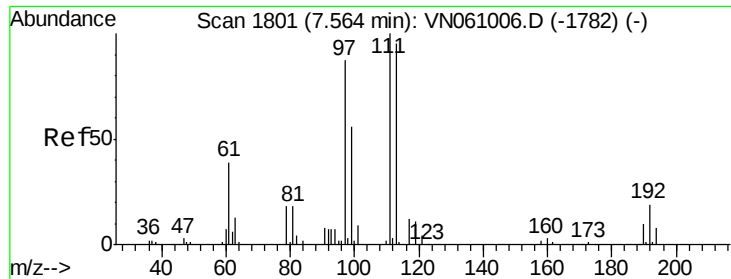
MMDadoda
 4/20/2020 10:07:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061090.D
 Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	255410		
63	23.0		0.0	46.2
88	16.5		0.0	33.4





#35

Dibromofluoromethane

Concen: 48.858 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

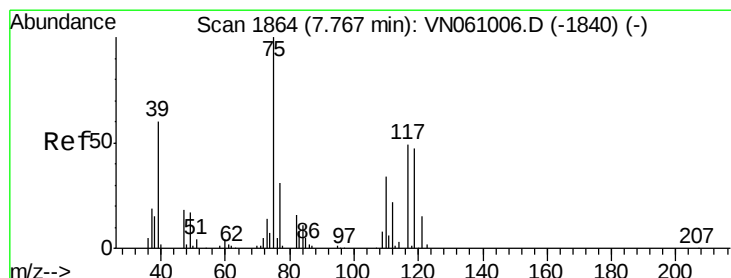
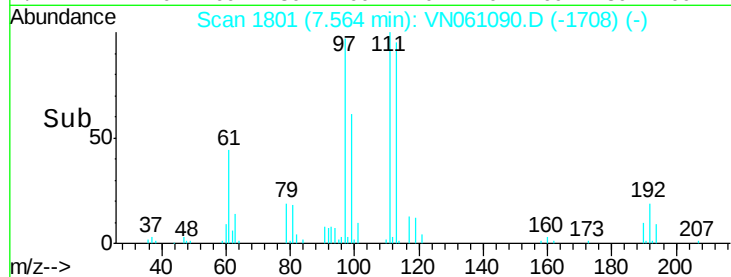
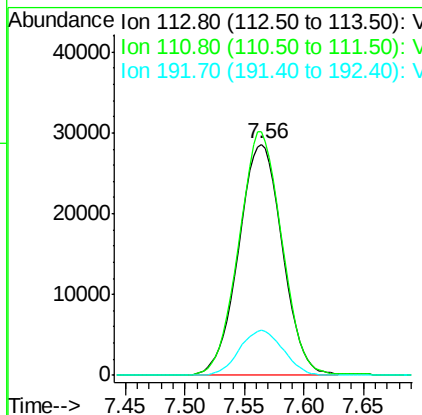
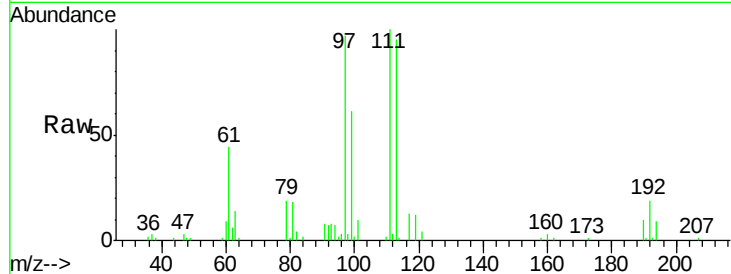
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	72875
Ion Ratio	Lower	Upper	
113	100		
111	103.4	83.4	125.2
192	19.4	15.5	23.3

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#36

1,1-Dichloropropene

Concen: 49.001 ug/l

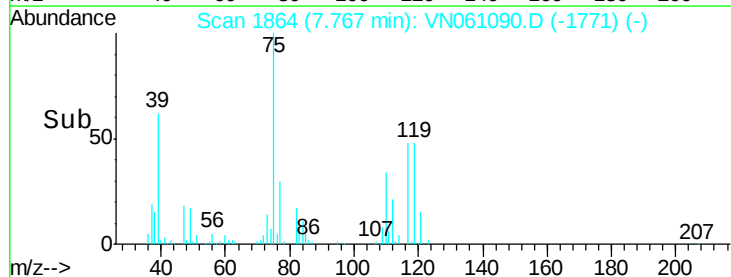
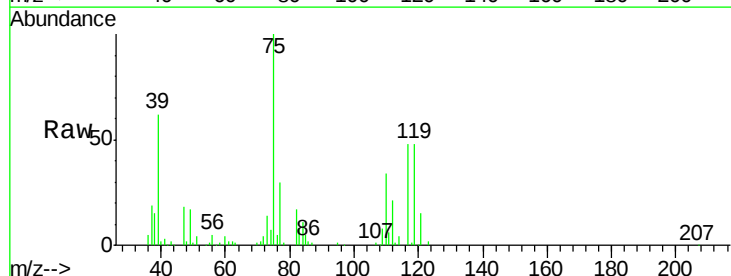
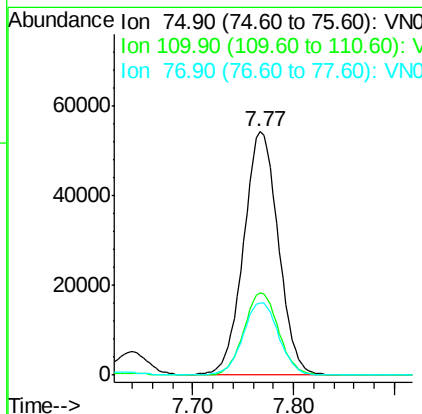
RT: 7.77 min Scan# 1864

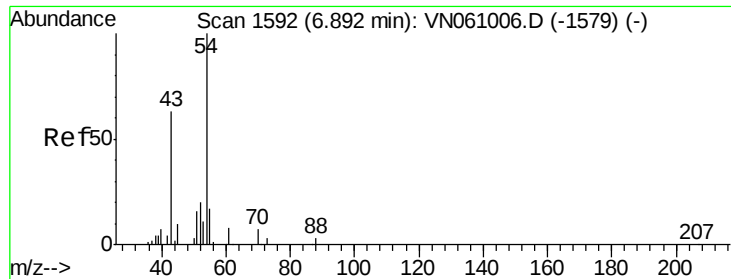
Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Tgt Ion:	75	Resp:	129149
Ion Ratio	Lower	Upper	
75	100		
110	33.6	16.8	50.3
77	30.5	24.7	37.1





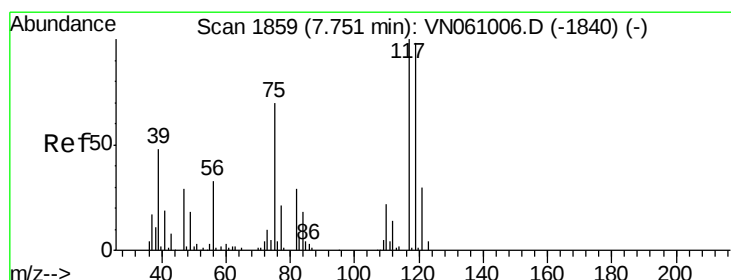
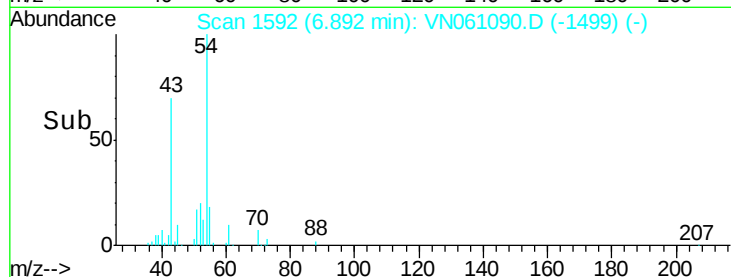
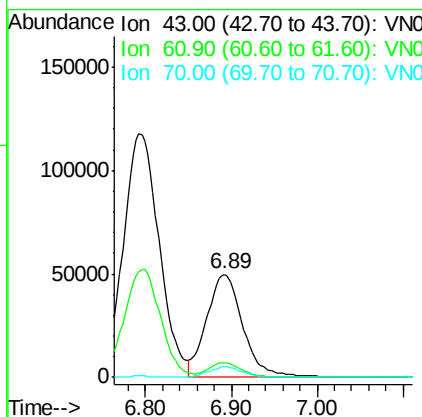
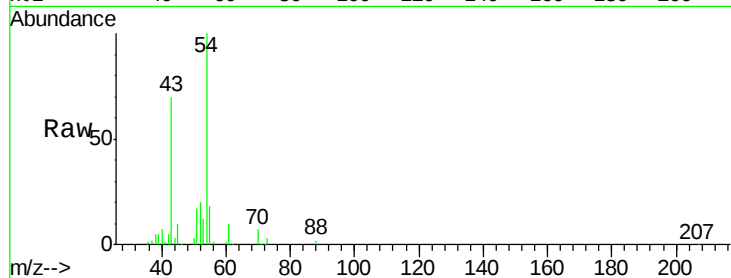
#37
Ethyl Acetate
Concen: 50.634 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.3	10.9	16.3	
70	9.5	7.7	11.5	

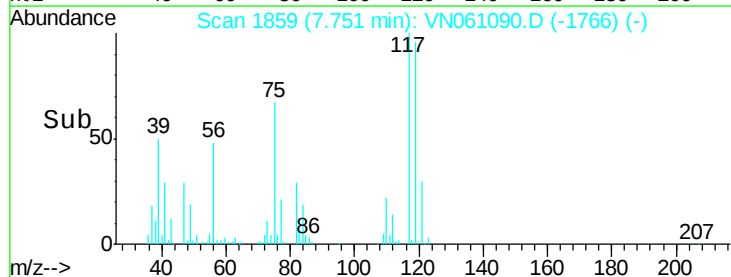
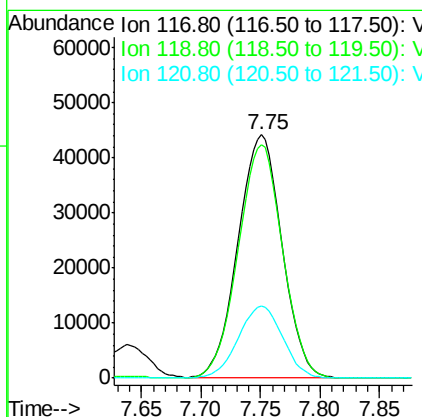
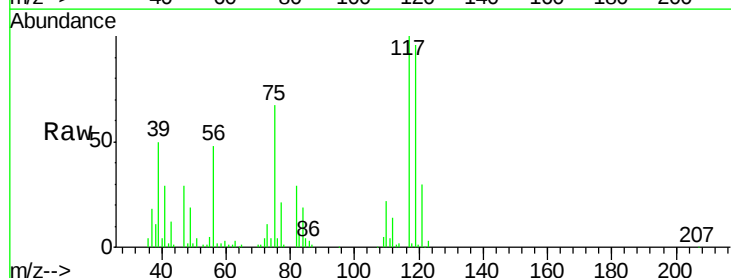
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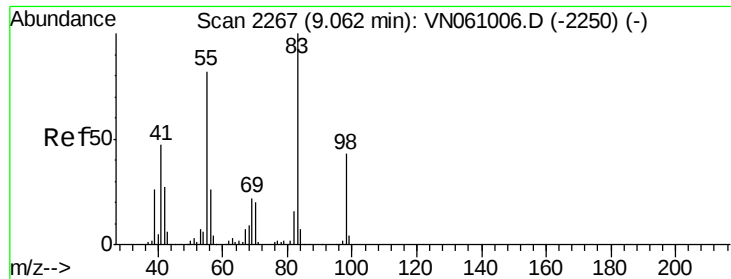
MMDadoda
4/20/2020 10:07:28 AM



#38
Carbon Tetrachloride
Concen: 51.586 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.0	78.1	117.1	
121	29.7	24.0	36.0	





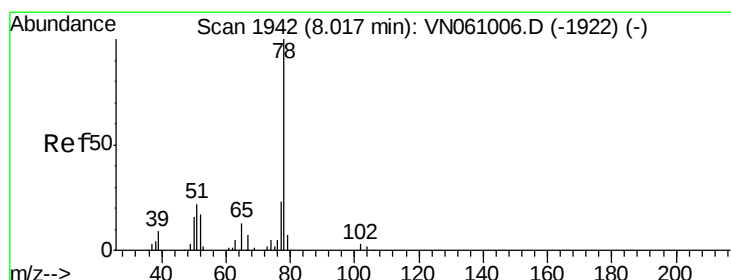
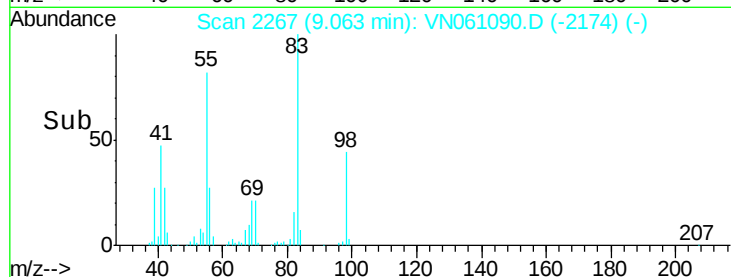
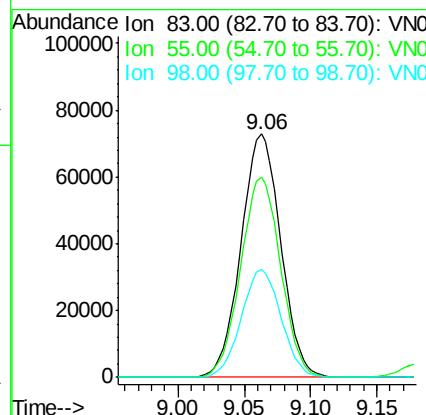
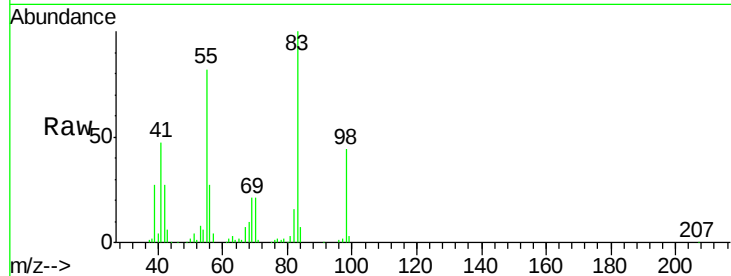
#39
Methvlcvclohexane
Concen: 48.183 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.0	65.4	98.0	
98	44.2	34.6	51.8	

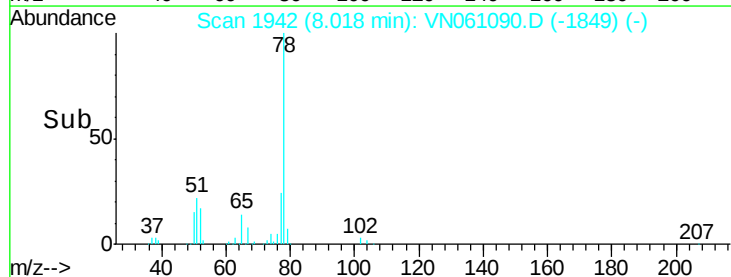
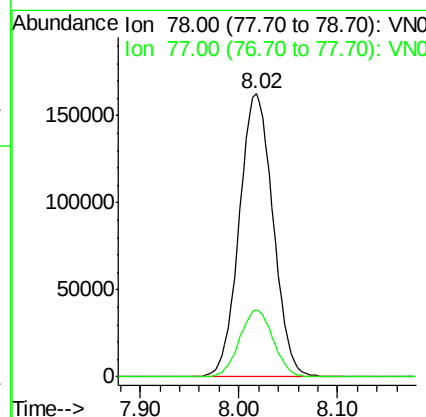
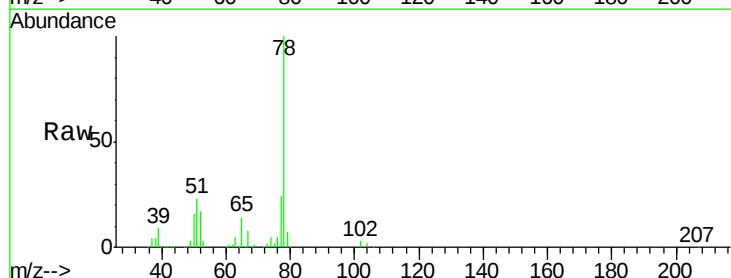
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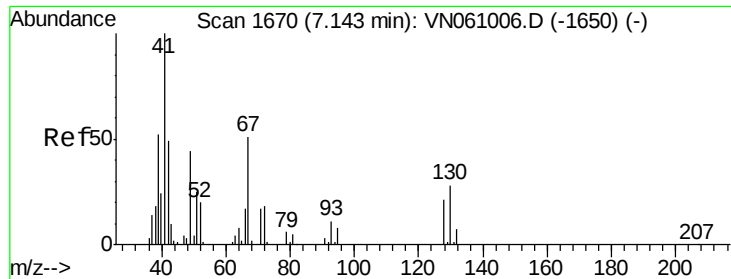
MMDadoda
4/20/2020 10:07:28 AM



#40
Benzene
Concen: 49.314 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	18.8	28.2	





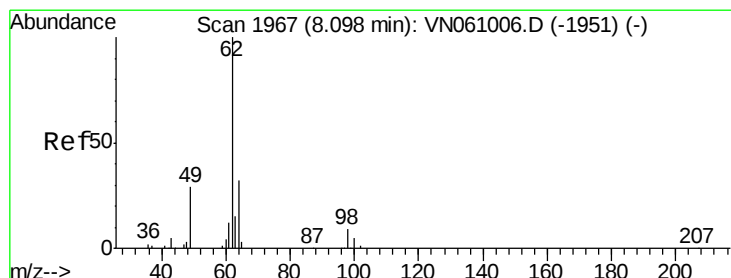
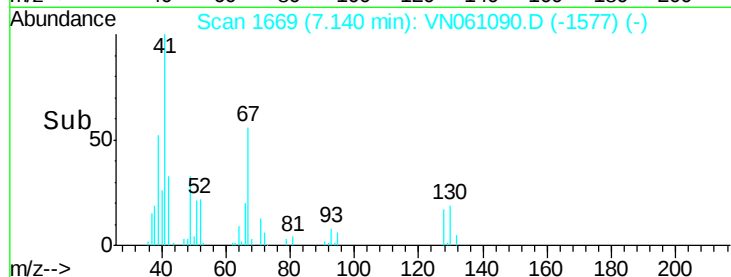
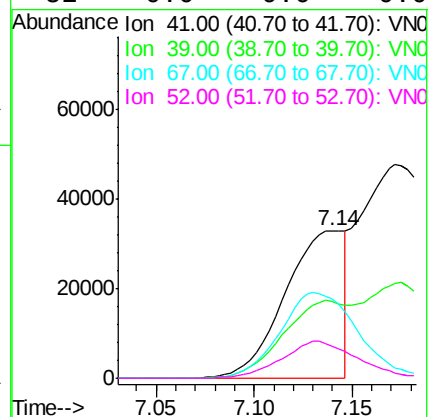
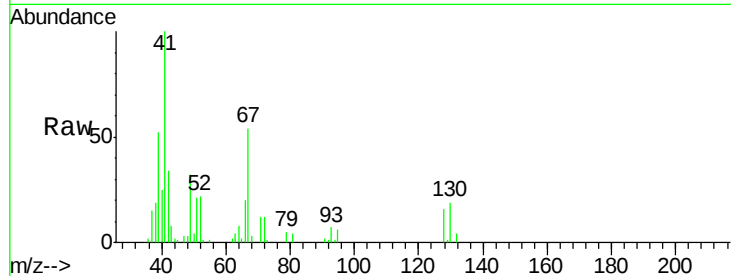
#41
Methacrylonitrile
Concen: 58.313 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

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

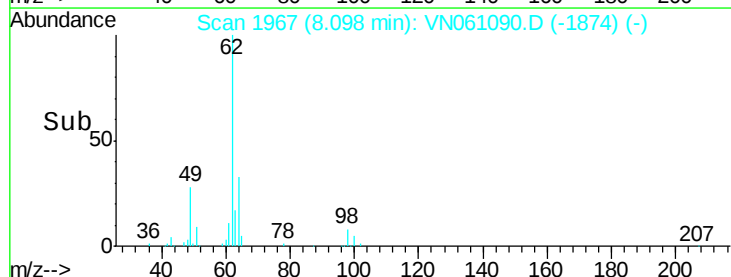
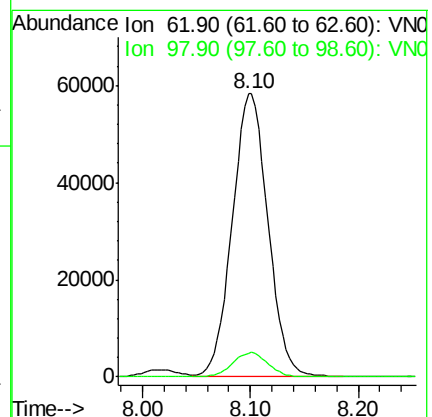
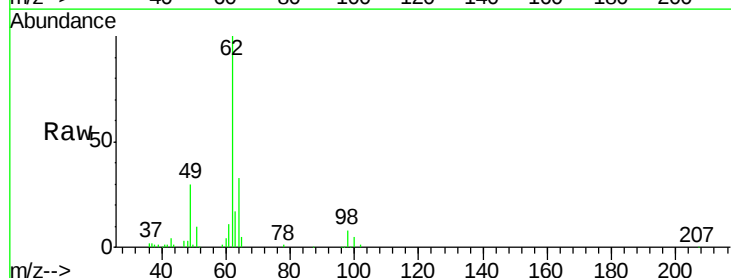
Manual Integrations
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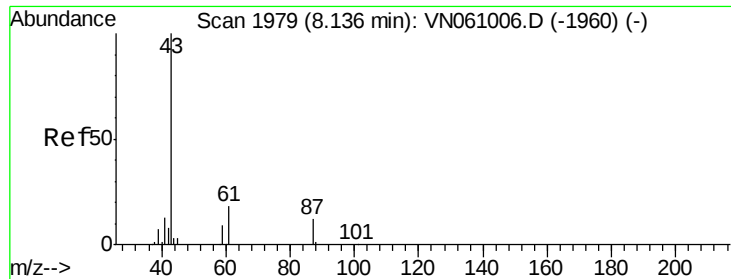
MMDadoda
4/20/2020 10:07:28 AM



#42
1,2-Dichloroethane
Concen: 50.586 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2





#43

Isopropyl Acetate

Concen: 51.555 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

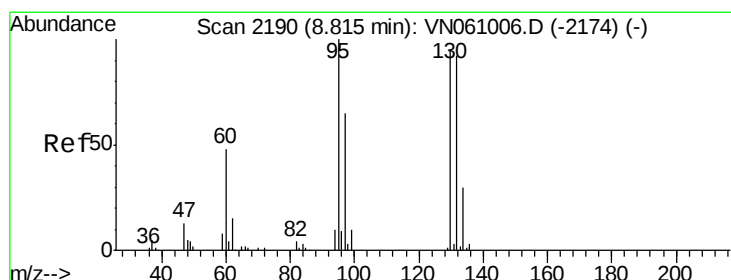
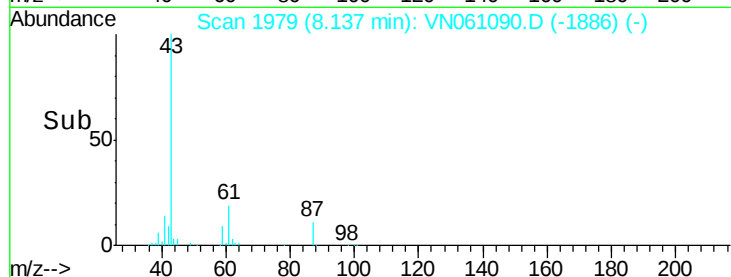
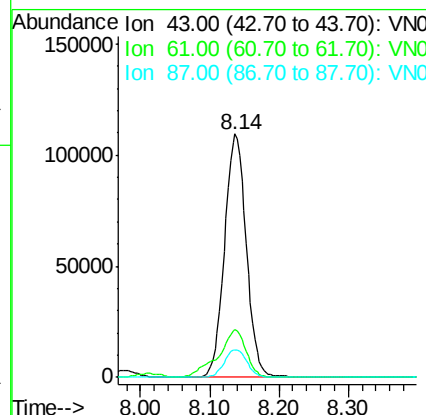
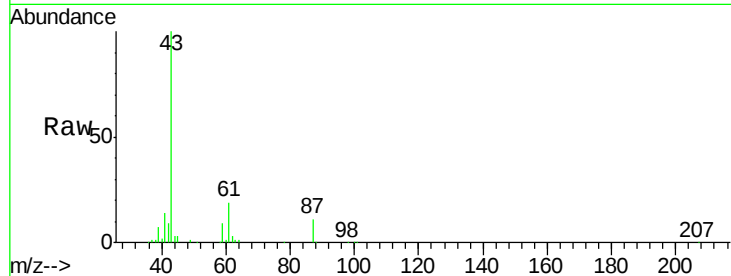
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	239960
Ion Ratio		Lower	Upper
43	100		
61	25.0	20.3	30.5
87	11.8	9.4	14.2

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#44

Trichloroethene

Concen: 48.059 ug/l

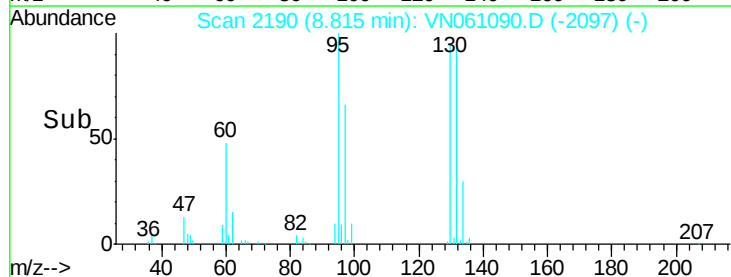
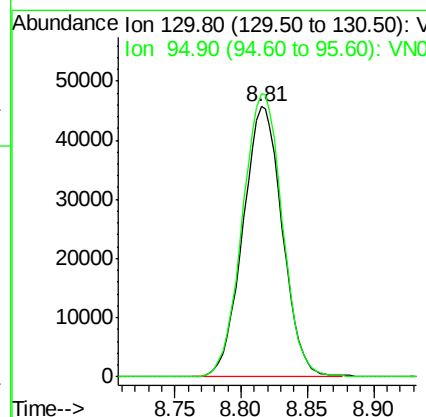
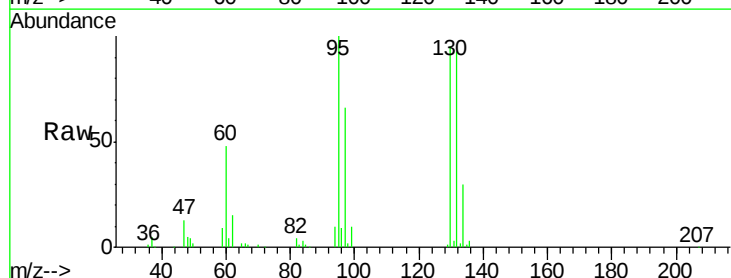
RT: 8.81 min Scan# 2190

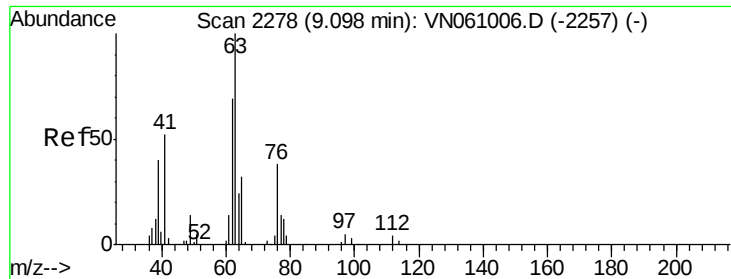
Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Tgt Ion:	130	Resp:	94420
Ion Ratio		Lower	Upper
130	100		
95	104.8	0.0	210.0





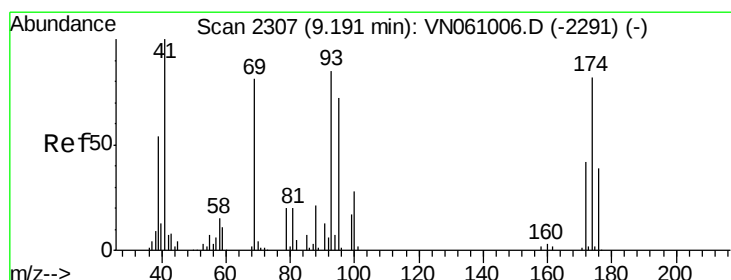
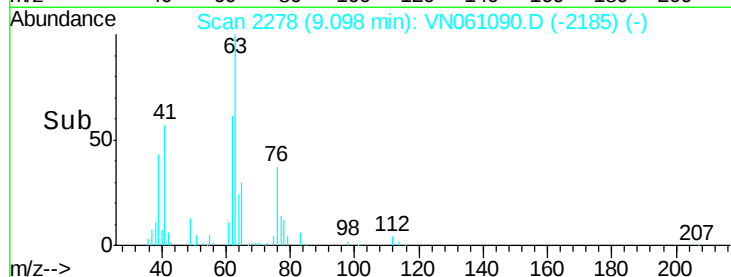
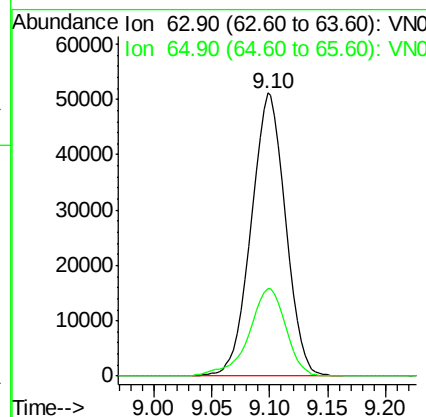
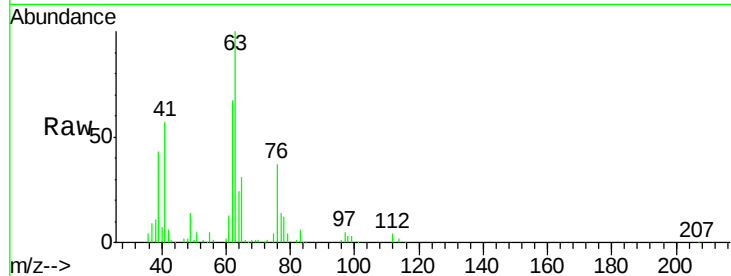
#45
 1,2-Dichloropropane
 Concen: 50.105 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061090.D
 Acq: 18 Apr 2020 6:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.2	37.8

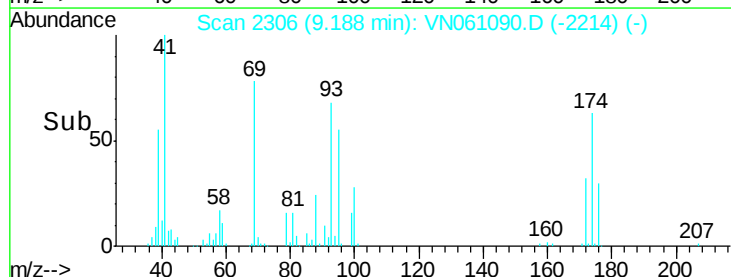
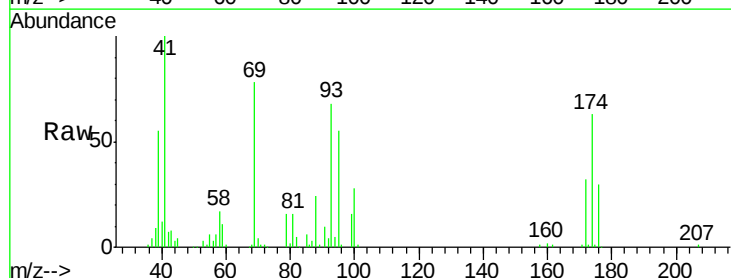
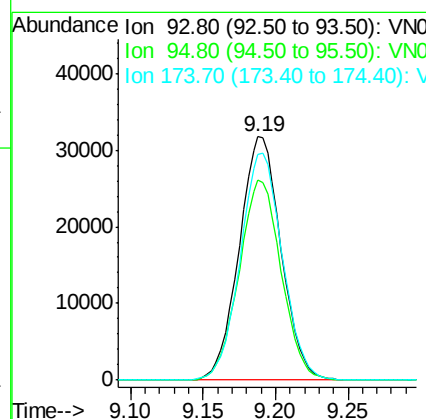
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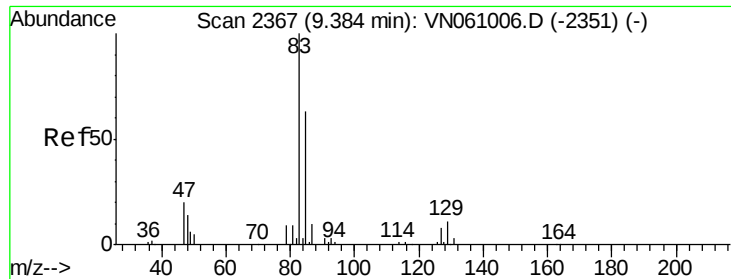
MMDadoda
 4/20/2020 10:07:28 AM



#46
 Dibromomethane
 Concen: 52.263 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061090.D
 Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.8	100.2
174	93.7	76.2	114.4





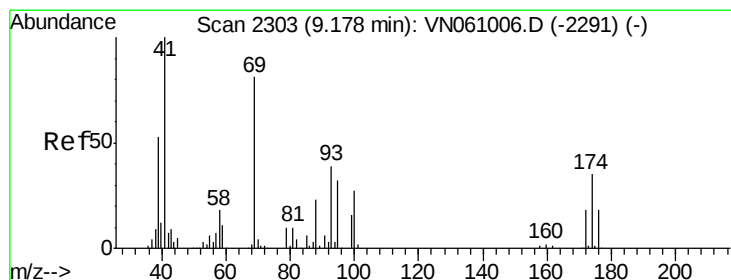
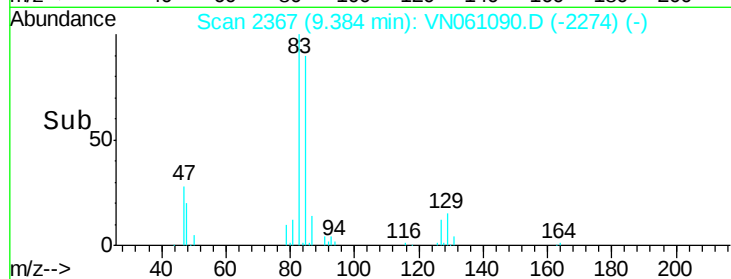
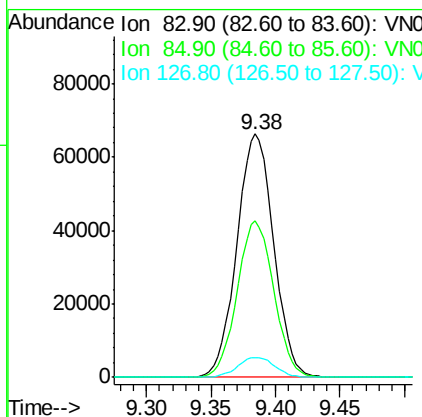
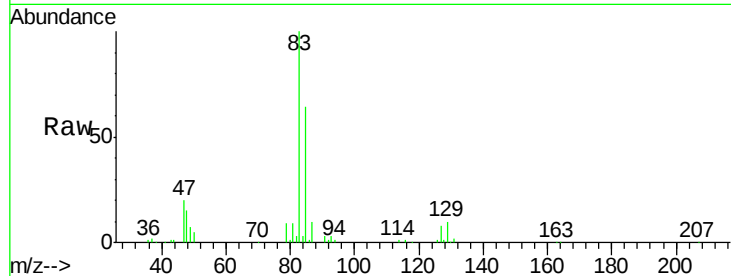
#47
Bromodichloromethane
Concen: 51.236 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	131794
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	50.6	76.0
127	8.3	6.1	9.1

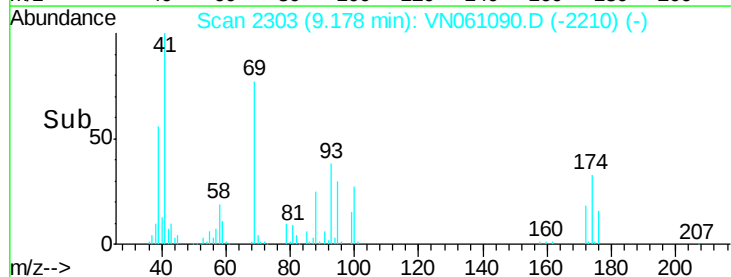
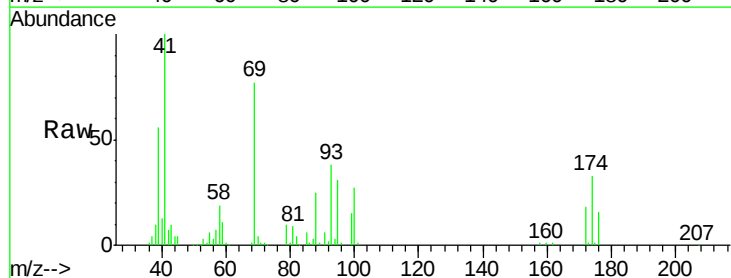
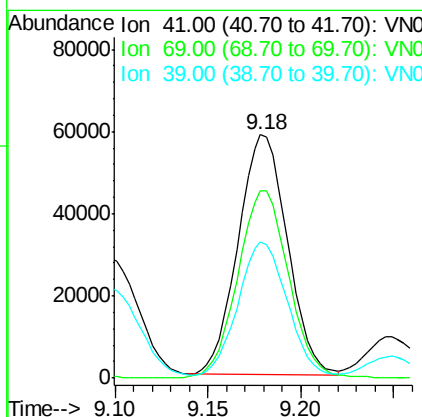
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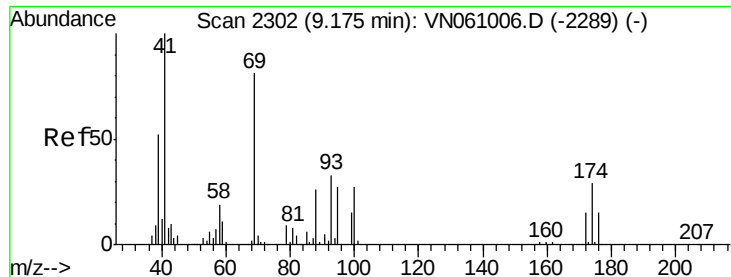
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#48
Methyl methacrylate
Concen: 52.761 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	41	Resp	108524
Ion Ratio	100	Lower	Upper
41	100		
69	80.5	65.3	97.9
39	55.0	45.2	67.8





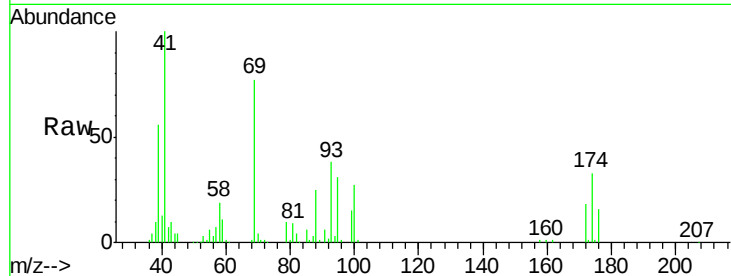
#49
1,4-Dioxane
Concen: 1059.145 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	30273		
43	37.6		30.9	46.3
58	75.2		59.8	89.8

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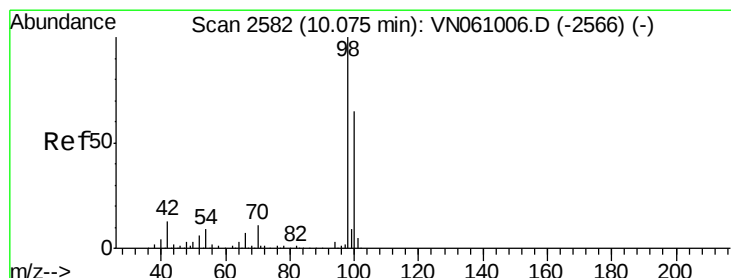
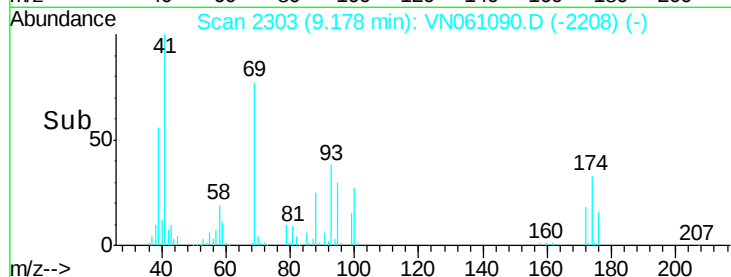
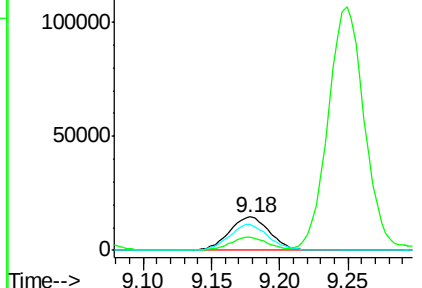
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4/20/2020 10:07:28 AM



Abundance Ion 88.00 (87.70 to 88.70): VN061090.D (-2289) (-)

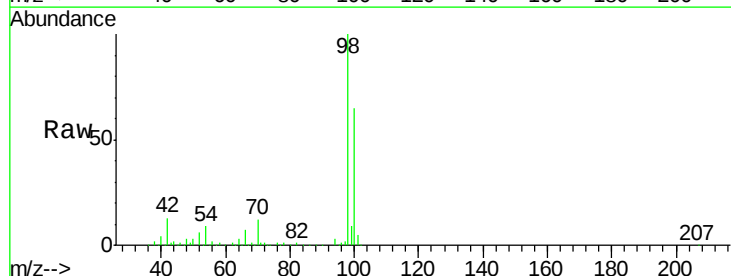
Ion 43.00 (42.70 to 43.70): VN061090.D (-2289) (-)

Ion 58.00 (57.70 to 58.70): VN061090.D (-2289) (-)



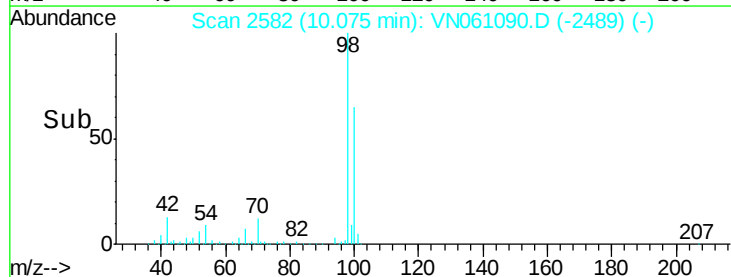
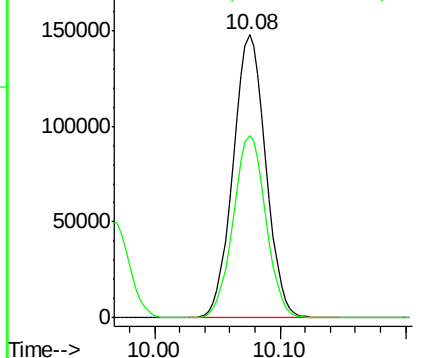
#50
Toluene-d8
Concen: 47.335 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

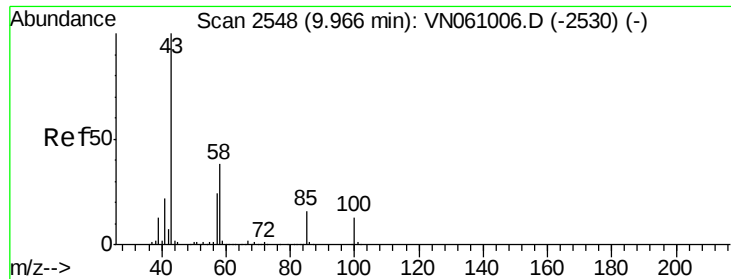
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	266797		
100	64.5		51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN061090.D (-2489) (-)

Ion 100.00 (99.70 to 100.70): VN061090.D (-2489) (-)





#51

4-Methyl-2-Pentanone

Concen: 268.086 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 719307

Ion Ratio Lower Upper

43 100

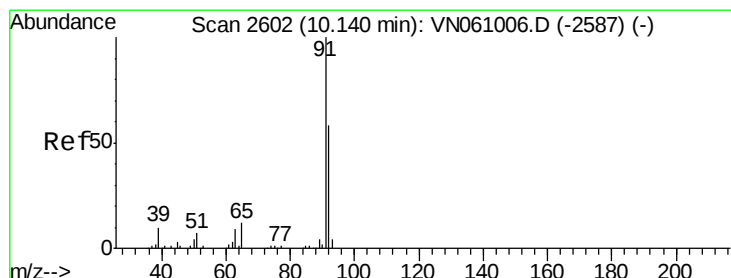
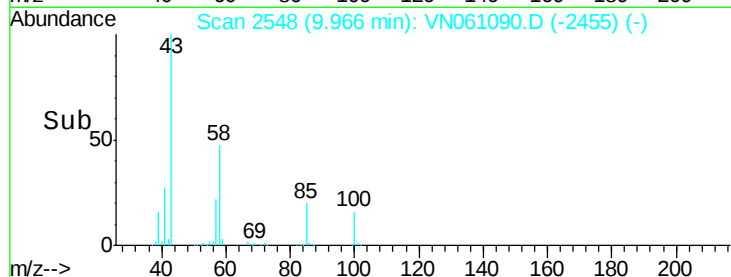
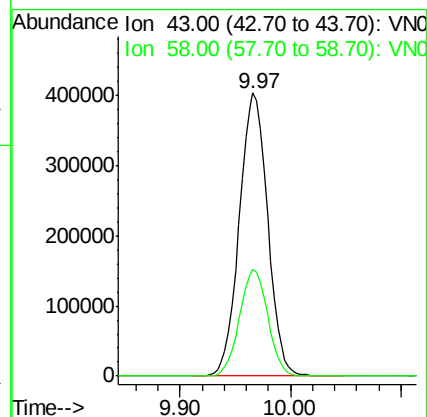
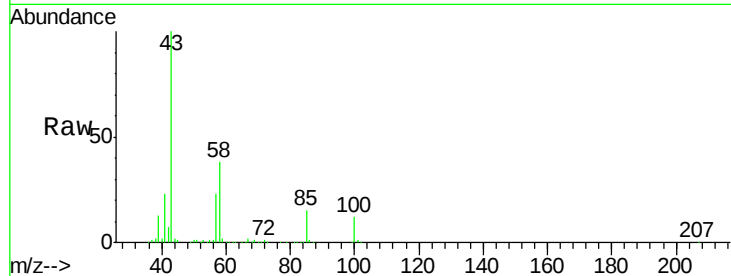
58 37.6 30.3 45.5

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#52

Toluene

Concen: 49.346 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061090.D

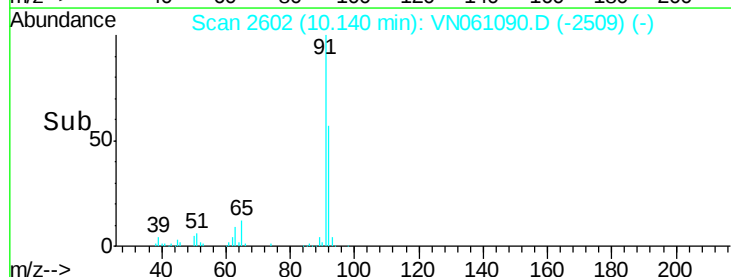
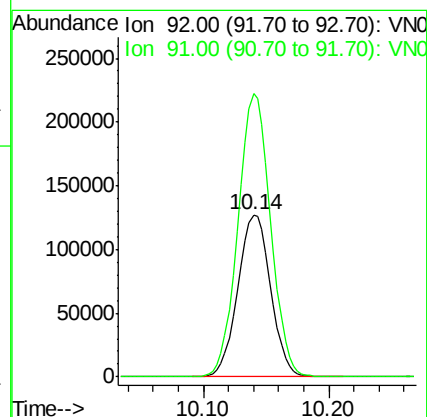
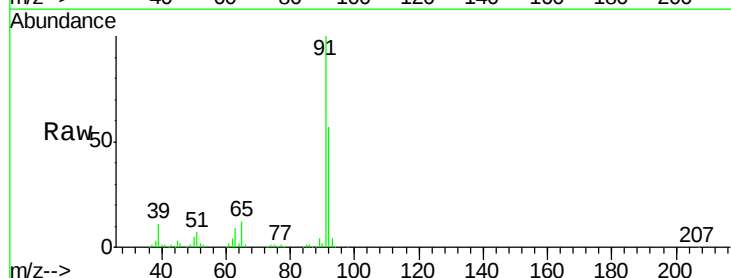
Acq: 18 Apr 2020 6:53

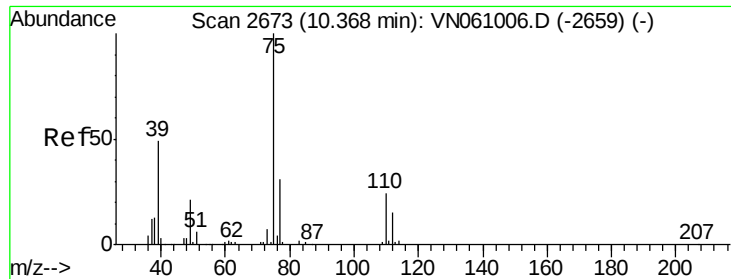
Tgt Ion: 92 Resp: 231465

Ion Ratio Lower Upper

92 100

91 173.2 137.7 206.5





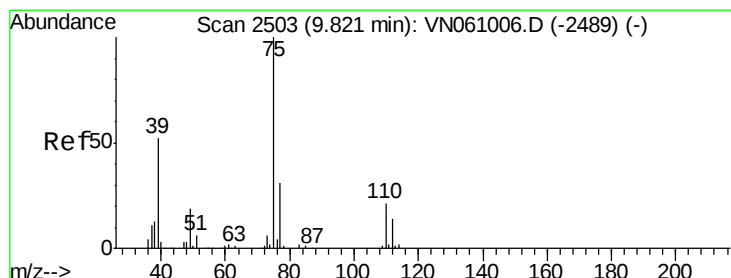
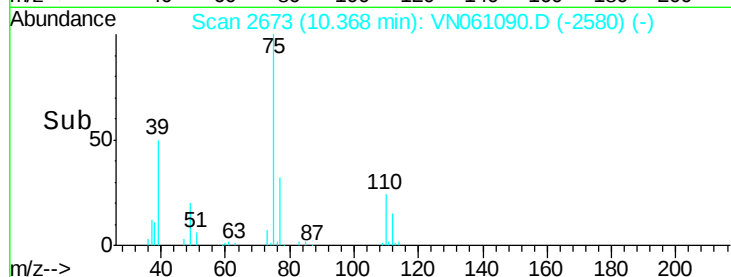
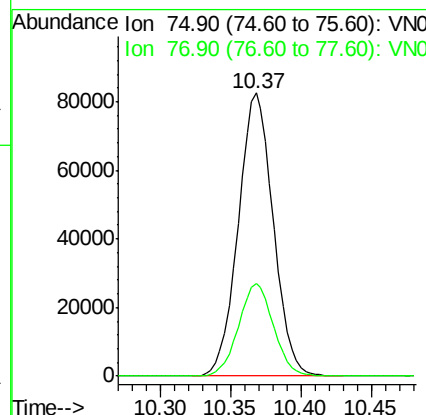
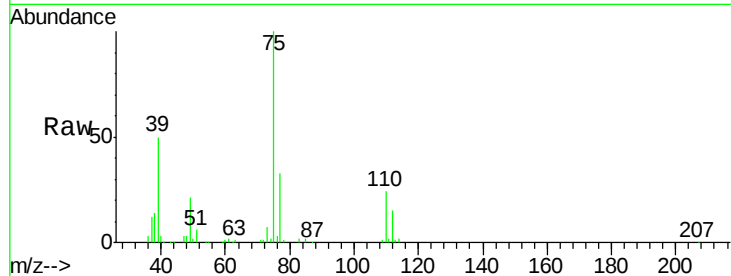
#53
t-1,3-Dichloropropene
Concen: 47.861 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.6

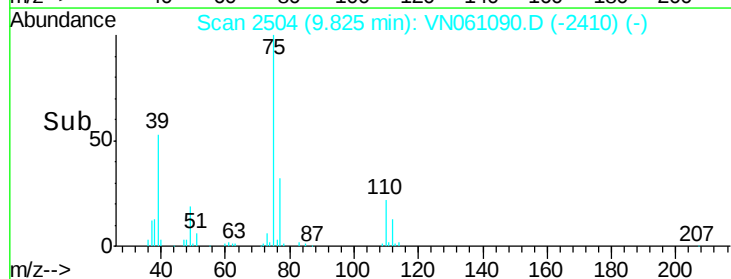
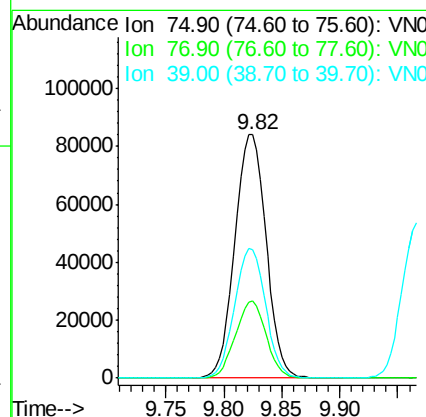
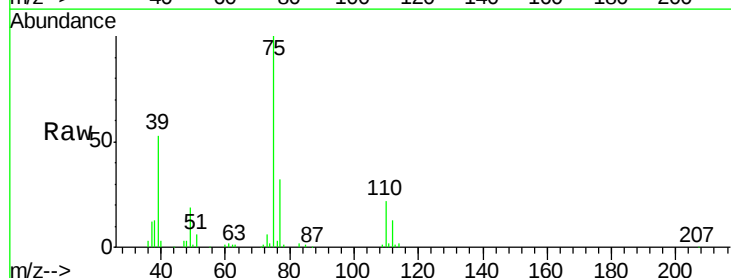
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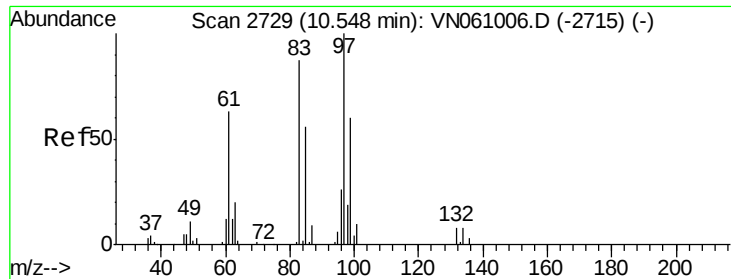
MMDadoda
4/20/2020 10:07:28 AM



#54
cis-1,3-Dichloropropene
Concen: 48.172 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6
39	52.6	41.4	62.2





#55

1,1,2-Trichloroethane

Concen: 50.230 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

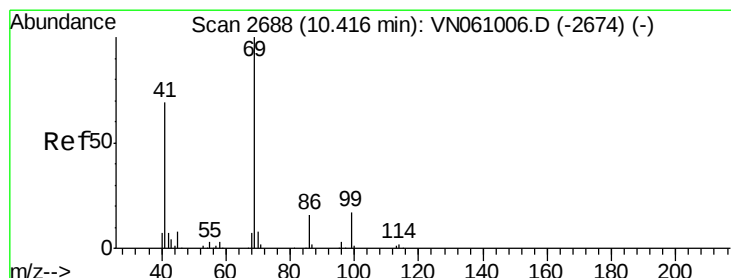
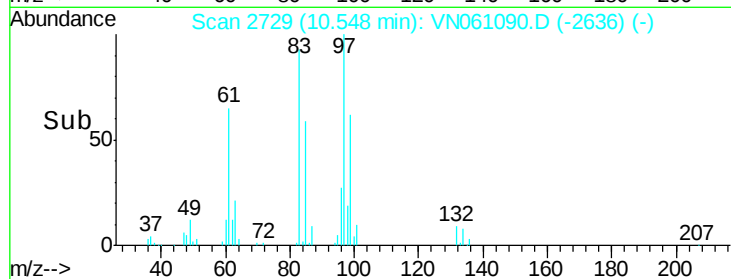
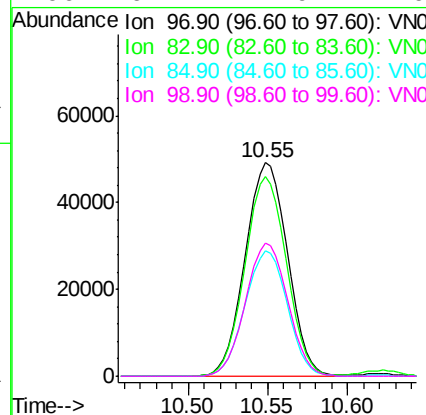
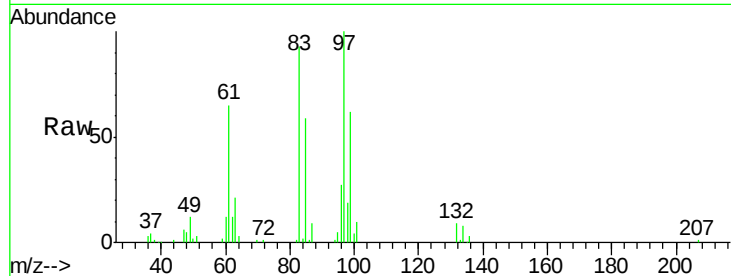
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	89163
Ion	Ratio	Lower	Upper
97	100		
83	93.4	69.5	104.3
85	58.7	45.0	67.4
99	62.1	47.9	71.9

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#56

Ethyl methacrylate

Concen: 52.892 ug/l

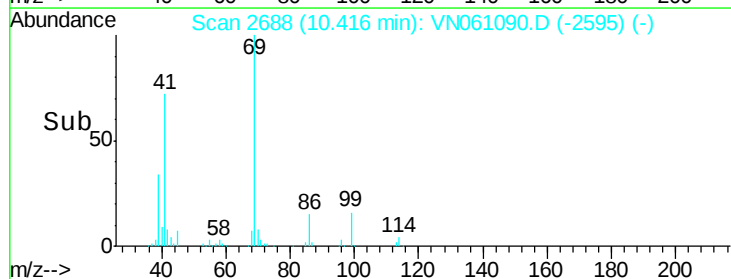
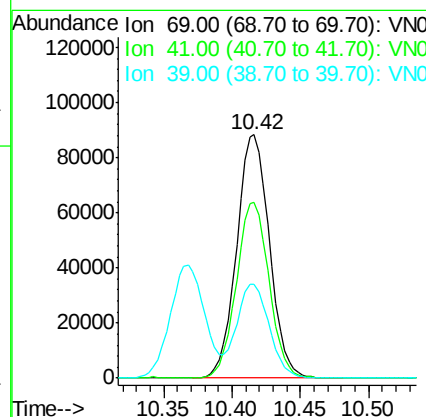
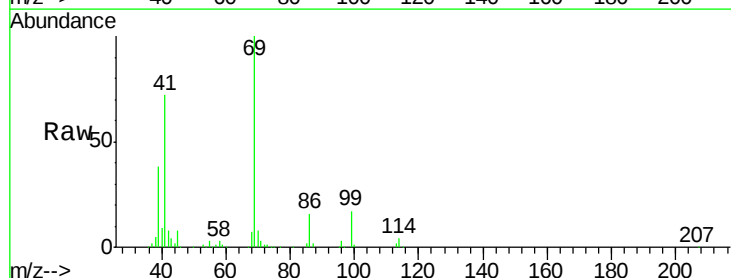
RT: 10.42 min Scan# 2688

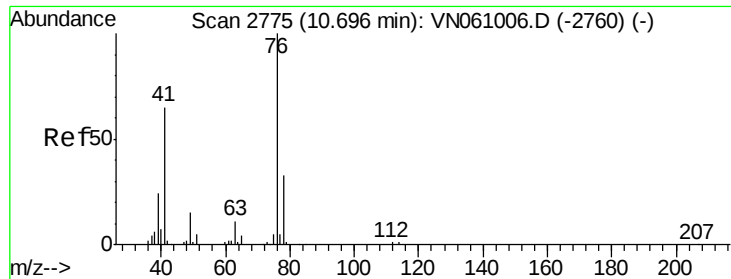
Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Tgt Ion:	69	Resp:	147638
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.7	85.1
39	37.7	29.4	44.0





#57

1,3-Dichloropropane

Concen: 50.307 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 159286

Ion Ratio Lower Upper

76 100

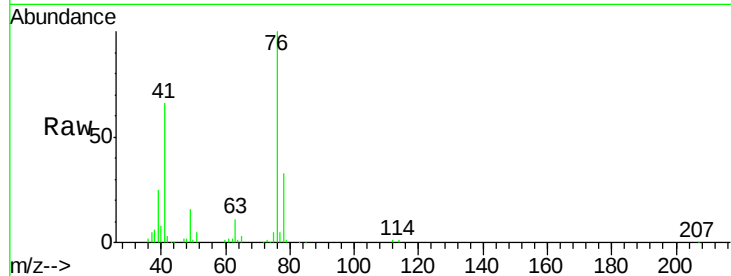
78 32.2 25.4 38.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.69

80000

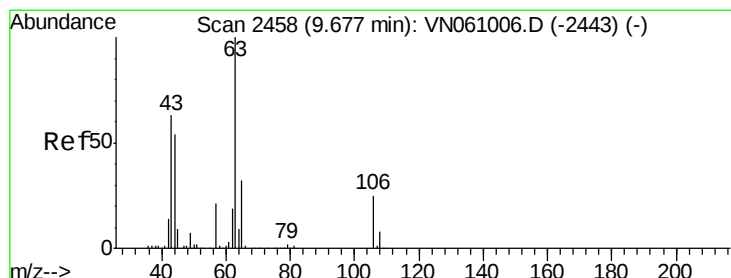
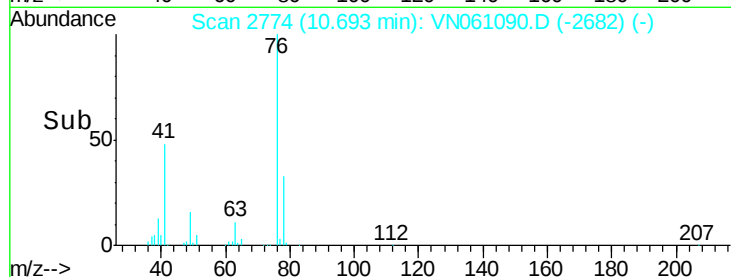
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 266.410 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. 0.00 min

Lab File: VN061090.D

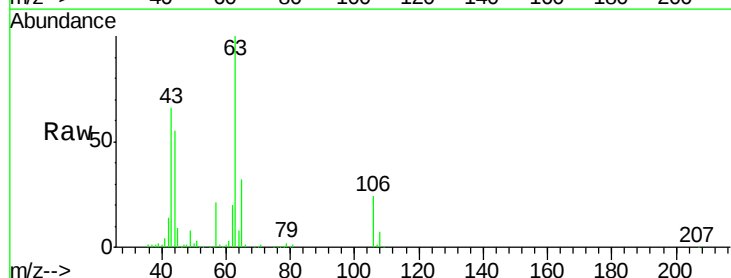
Acq: 18 Apr 2020 6:53

Tgt Ion: 63 Resp: 337909

Ion Ratio Lower Upper

63 100

106 23.9 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

200000

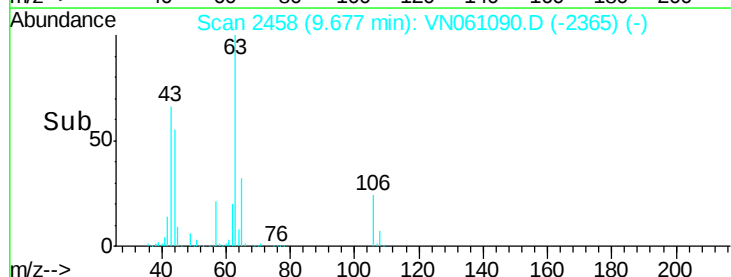
150000

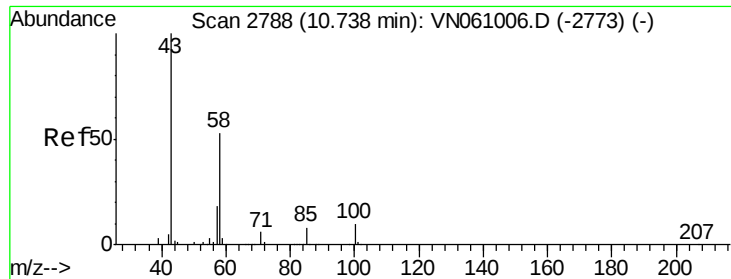
100000

50000

0

Time--> 9.60 9.70 9.80





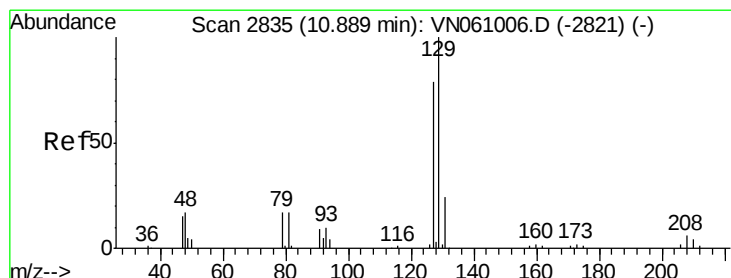
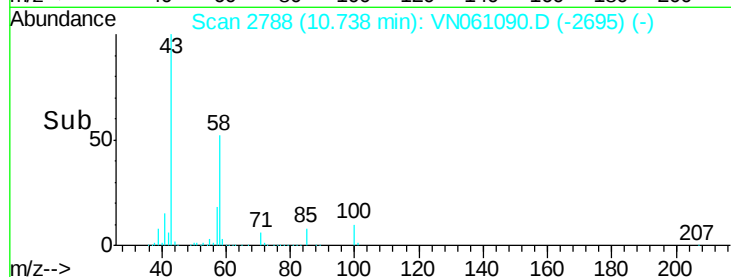
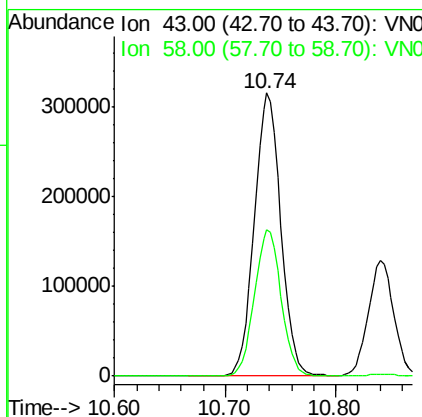
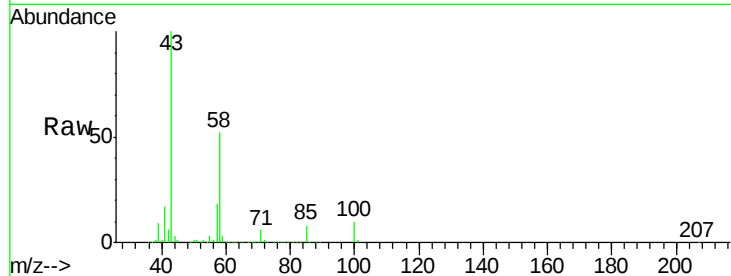
#59
2-Hexanone
Concen: 271.615 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 525578
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0

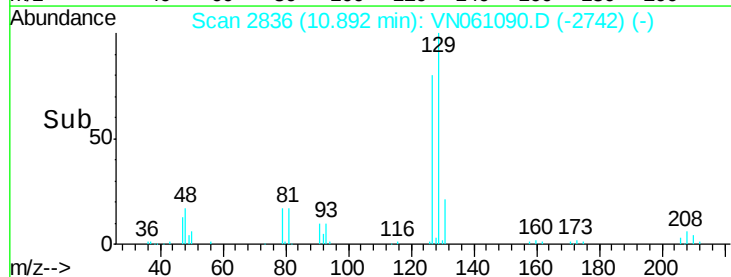
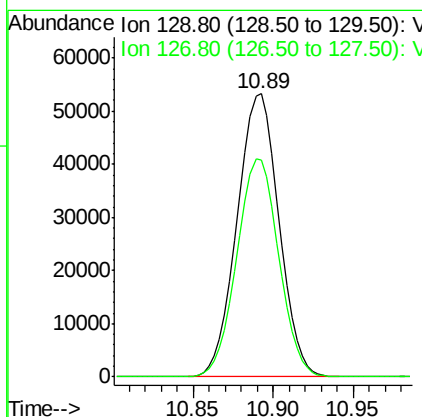
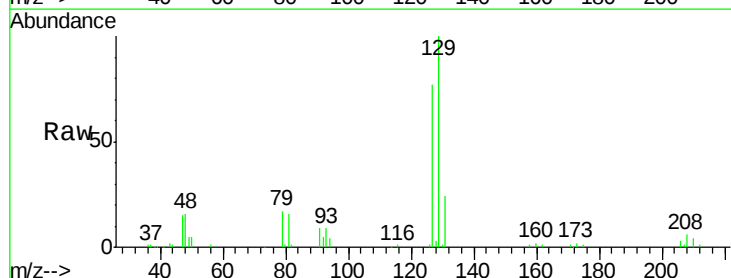
Manual Integrations
APPROVED

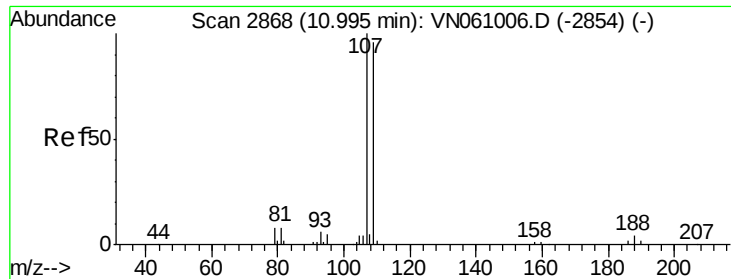
MMDadoda
4/20/2020 10:07:28 AM



#60
Dibromochloromethane
Concen: 52.161 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion: 129 Resp: 95114
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 51.601 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 93337

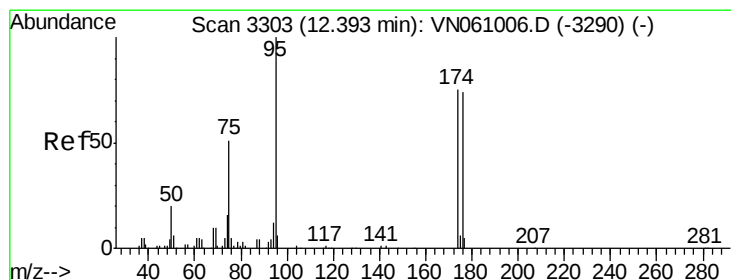
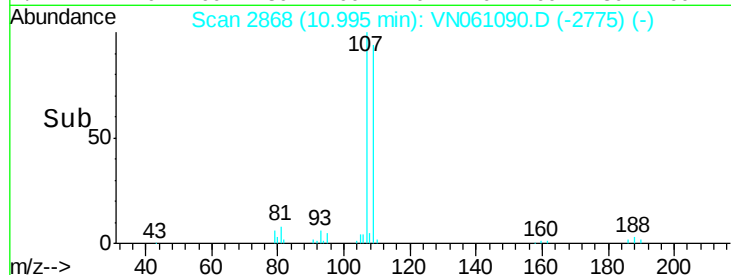
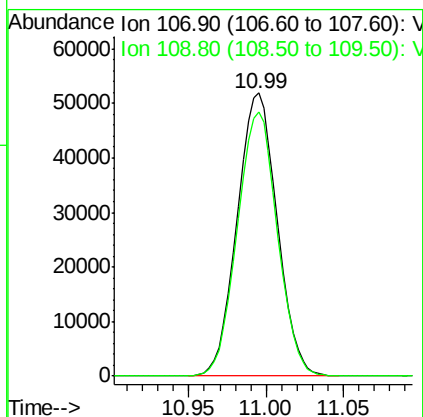
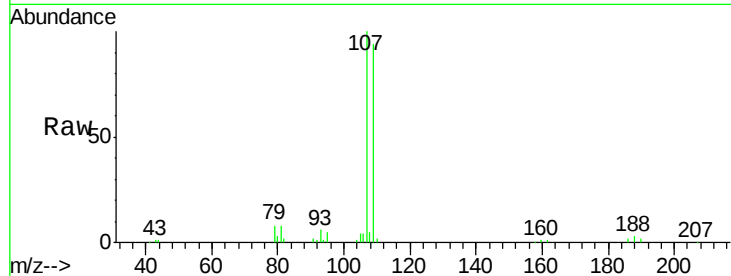
Ion Ratio Lower Upper

107 100

109 93.4 75.9 113.9

Manual Integrations
APPROVED

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4/20/2020 10:07:28 AM



#62

4-Bromofluorobenzene

Concen: 48.331 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

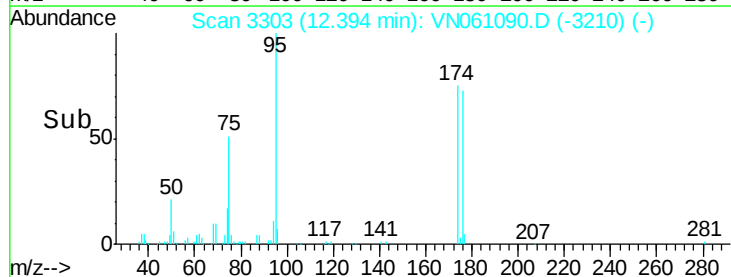
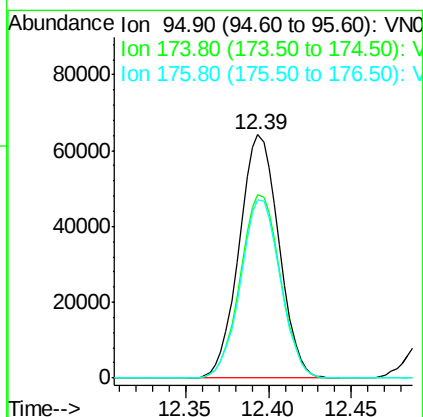
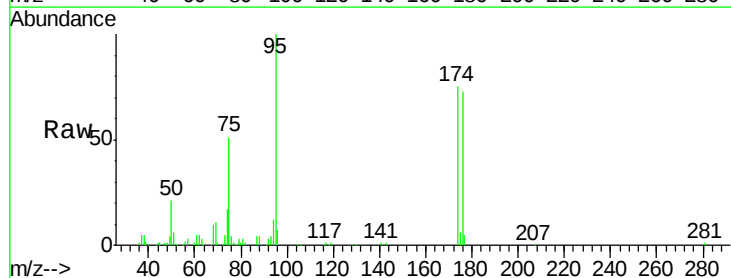
Tgt Ion: 95 Resp: 106765

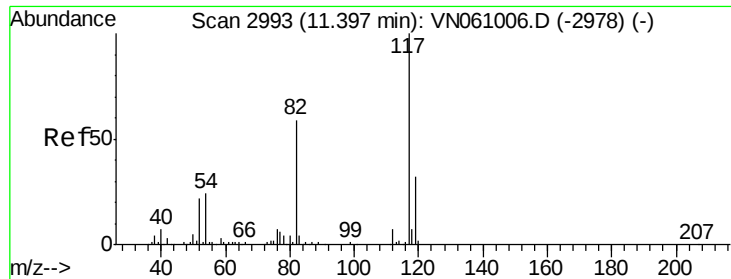
Ion Ratio Lower Upper

95 100

174 76.1 0.0 151.2

176 73.4 0.0 148.2





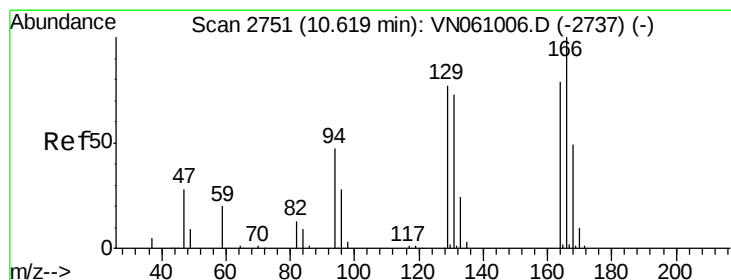
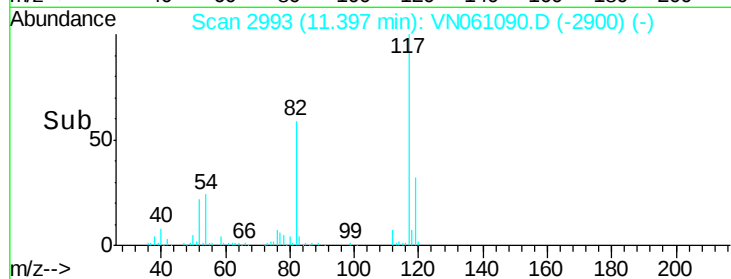
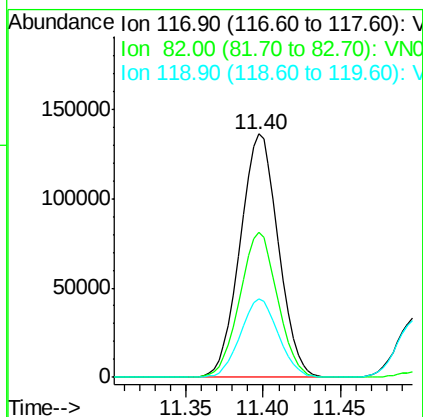
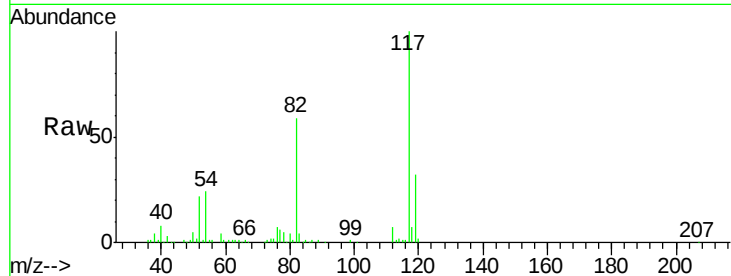
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.1	70.7
119	32.2	25.7	38.5

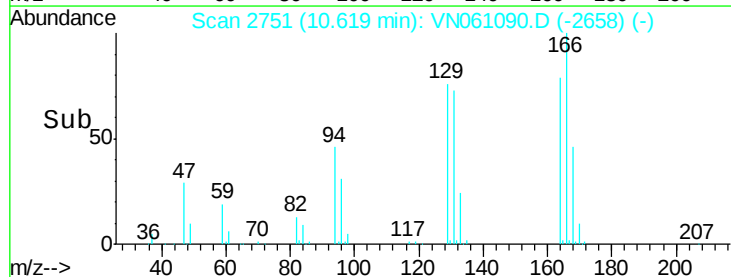
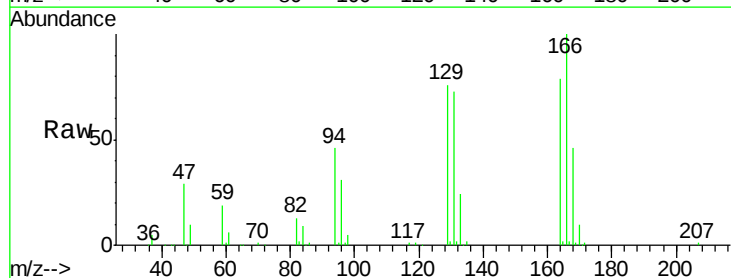
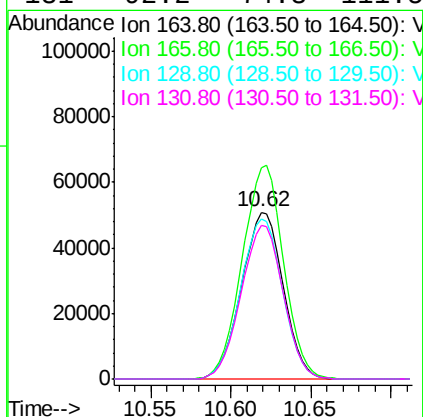
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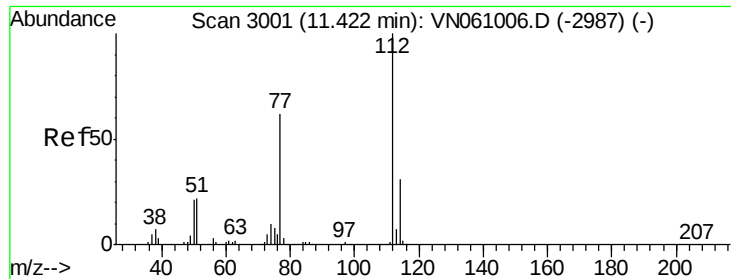
MMDadoda
4/20/2020 10:07:28 AM



#64
Tetrachloroethene
Concen: 50.716 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.6	152.4
129	96.2	78.5	117.7
131	92.2	74.3	111.5





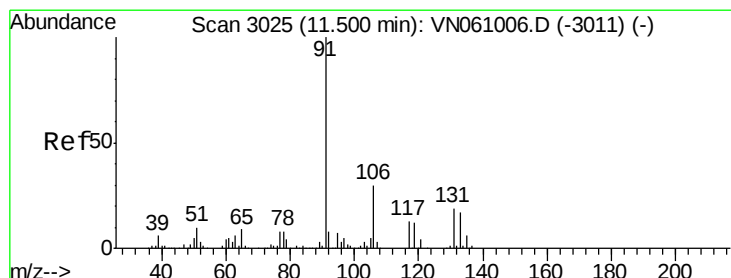
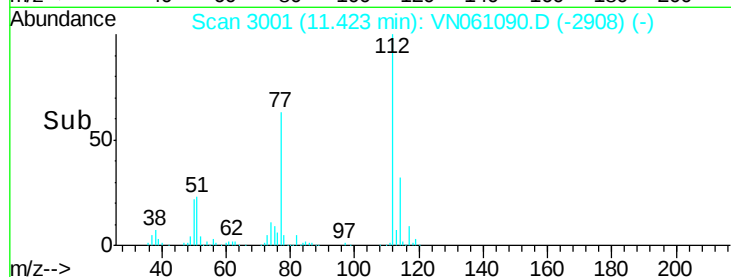
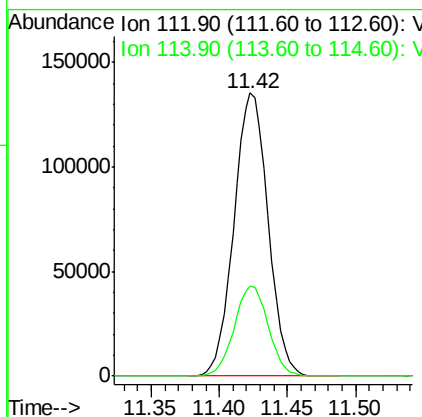
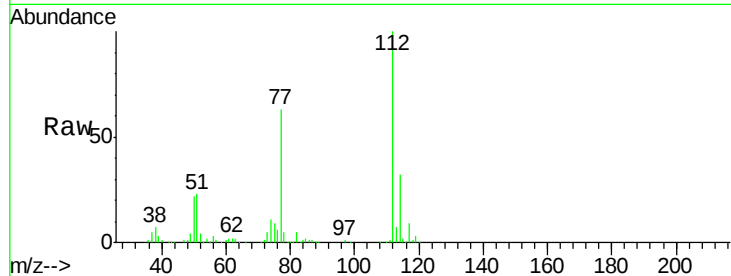
#65
Chlorobenzene
Concen: 48.629 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	234880		
114	31.8	25.1	37.7	

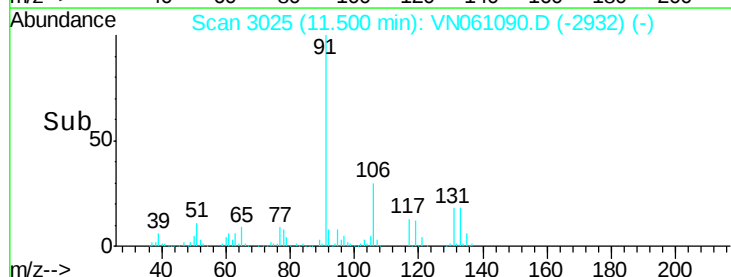
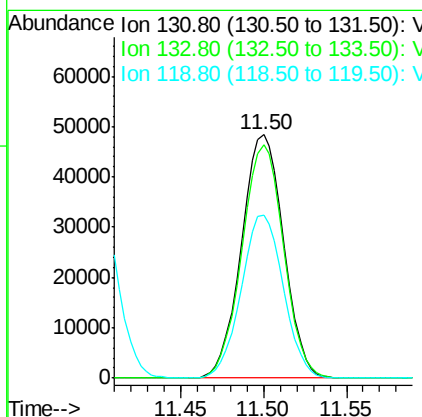
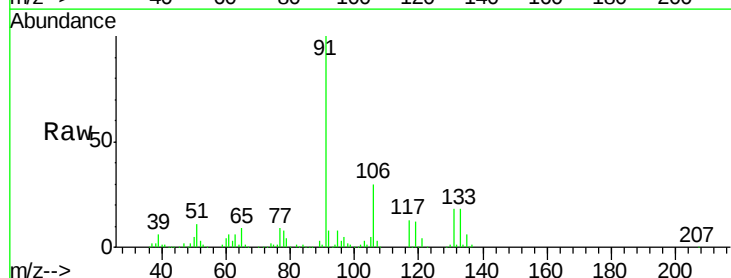
Manual Integrations
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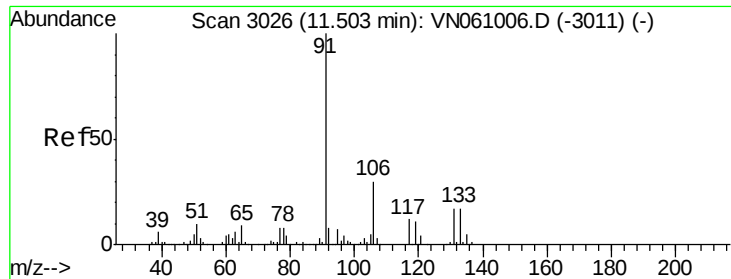
MMDadoda
4/20/2020 10:07:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.615 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	85738		
133	95.0	47.9	143.8	
119	67.0	33.3	99.8	





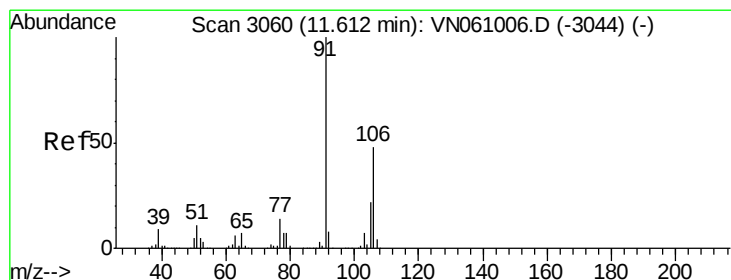
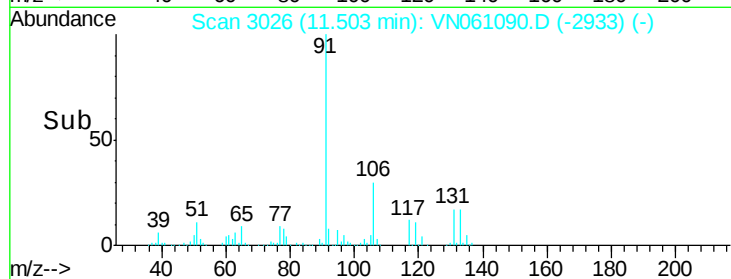
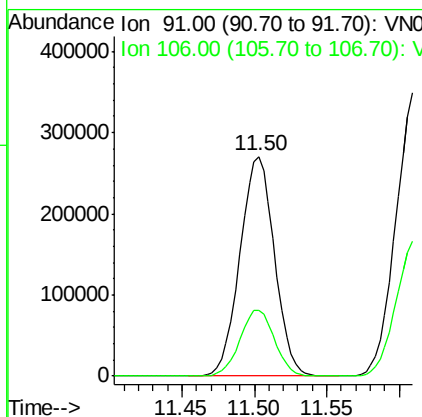
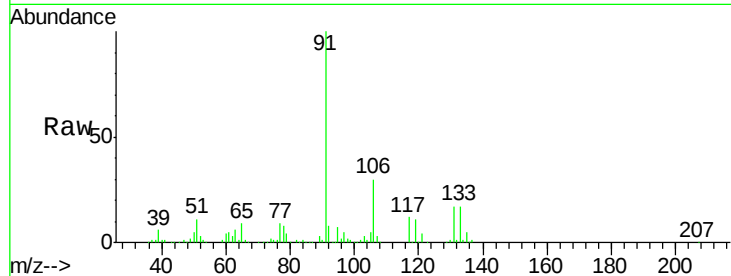
#67
Ethyl Benzene
Concen: 49.192 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.2	23.8	35.8	

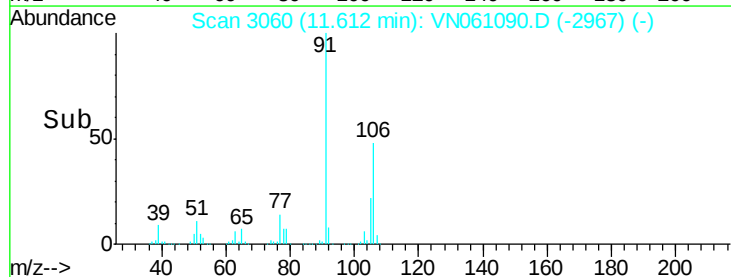
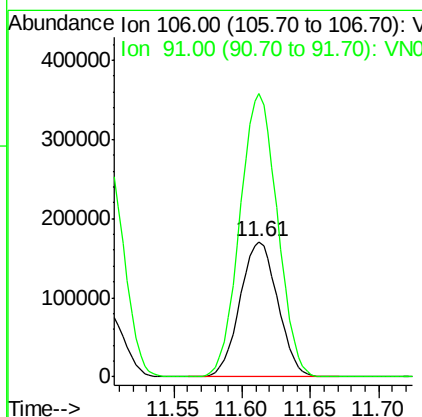
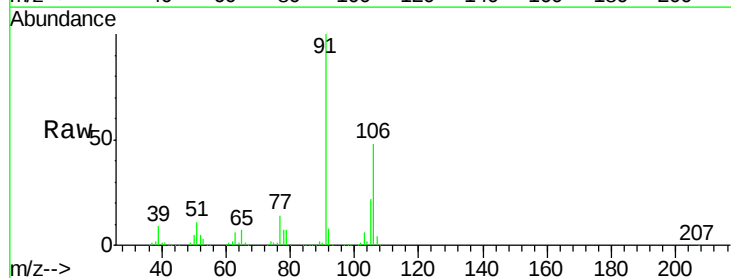
Manual Integrations
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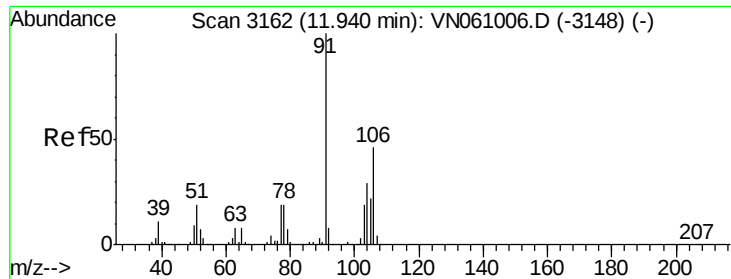
MMDadoda
4/20/2020 10:07:28 AM



#68
m/p-Xylenes
Concen: 99.740 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.8	167.9	251.9	





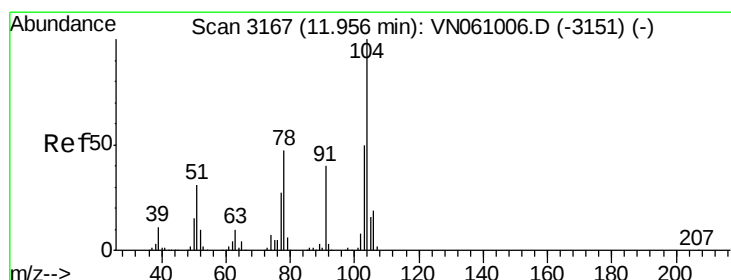
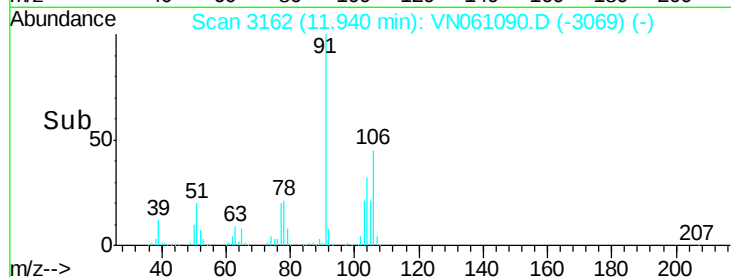
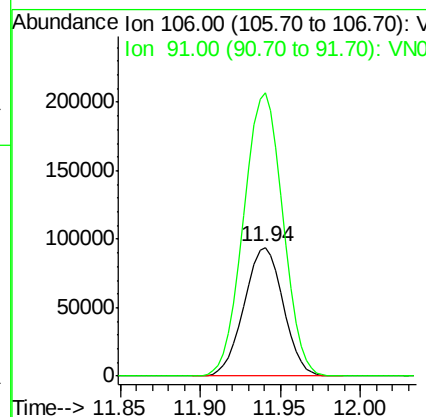
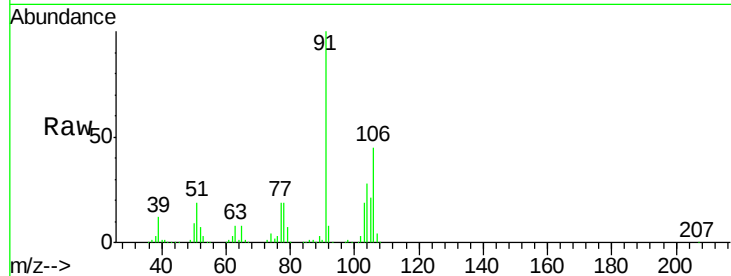
#69
o-Xylene
Concen: 49.593 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	156565		
91	221.2	110.7	332.1	

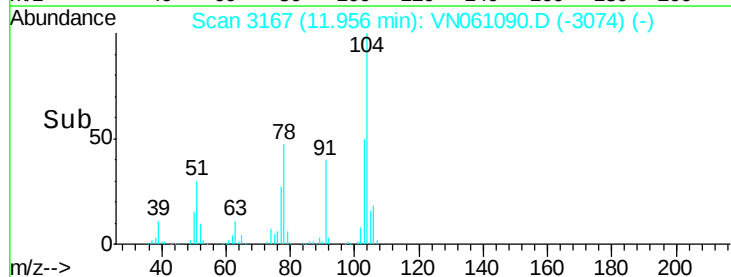
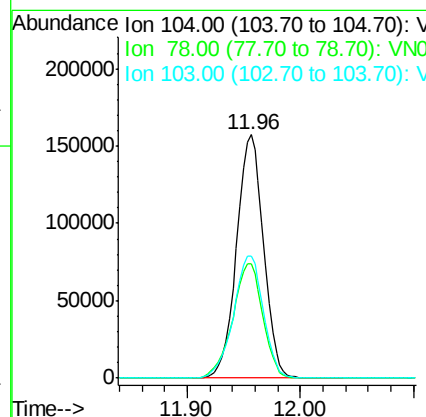
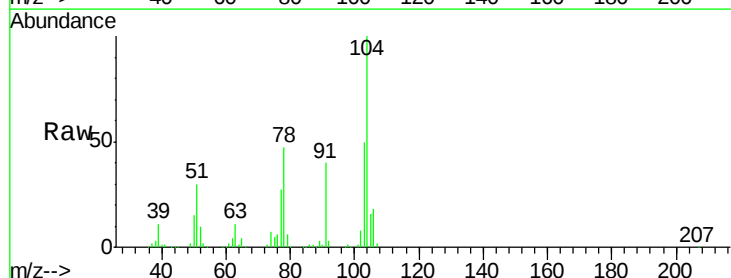
Manual Integrations
APPROVED

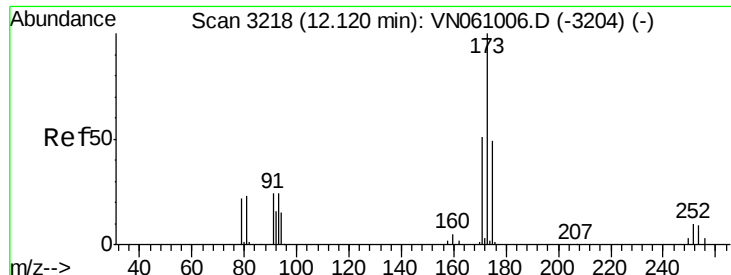
MMDadoda
4/20/2020 10:07:28 AM



#70
Styrene
Concen: 51.355 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	261012		
78	52.6	42.2	63.4	
103	55.8	44.4	66.6	





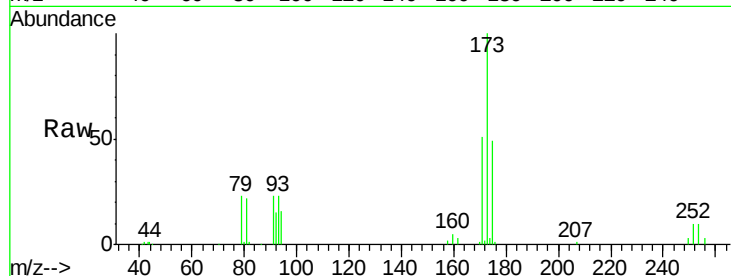
#71
Bromoform
Concen: 52.893 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
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4/20/2020 10:07:28 AM

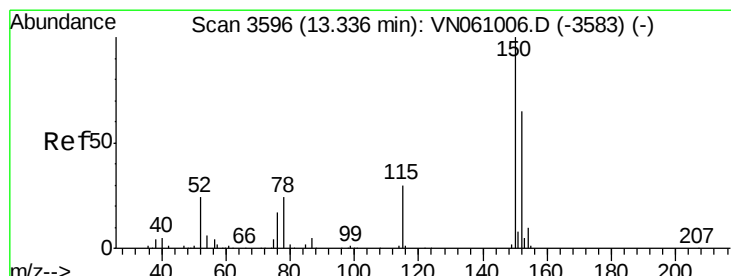
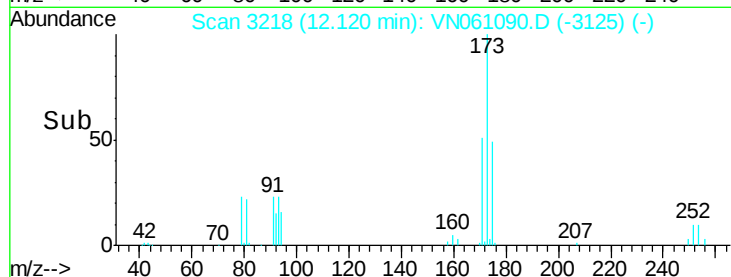
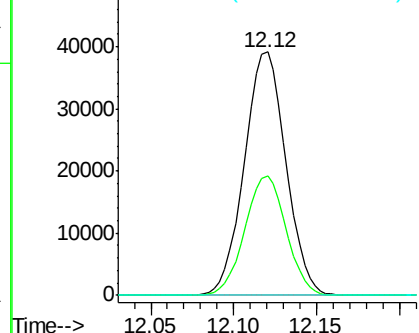


Abundance

Ion 172.70 (172.40 to 173.40): V

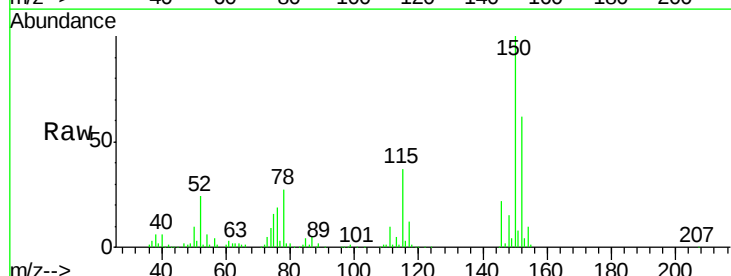
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.8	92.4
150	174.9	0.0	349.0

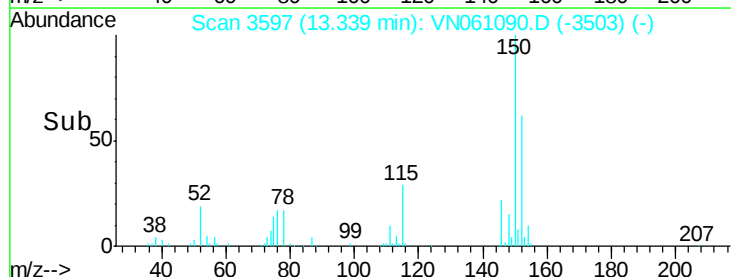
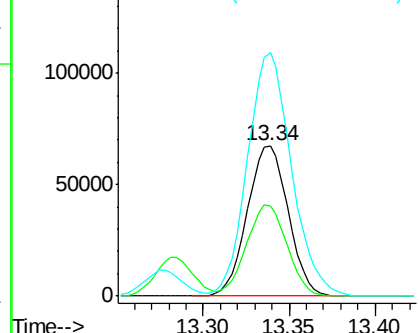


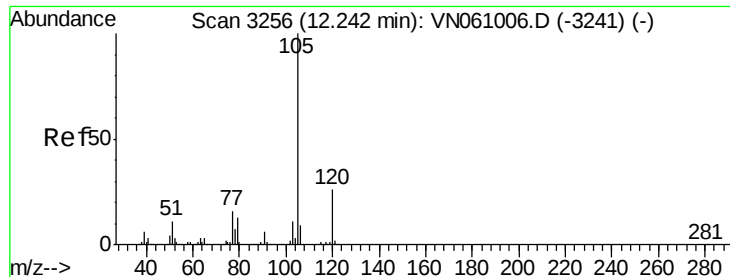
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





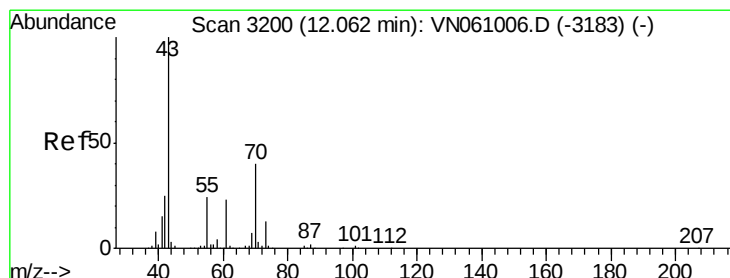
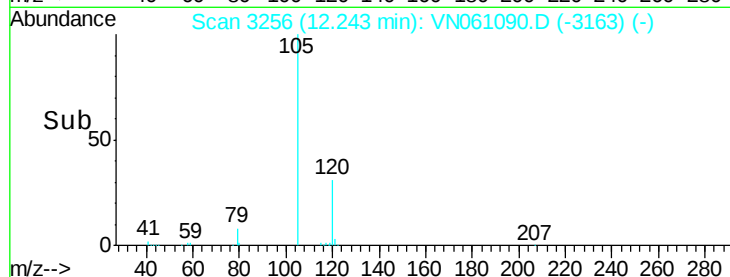
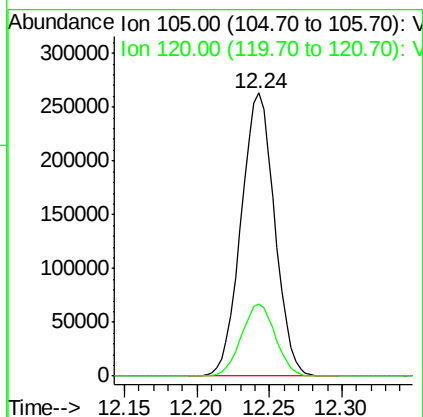
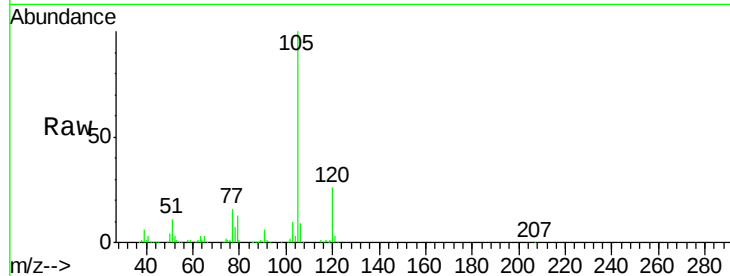
#73
Isopropylbenzene
Concen: 47.559 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9

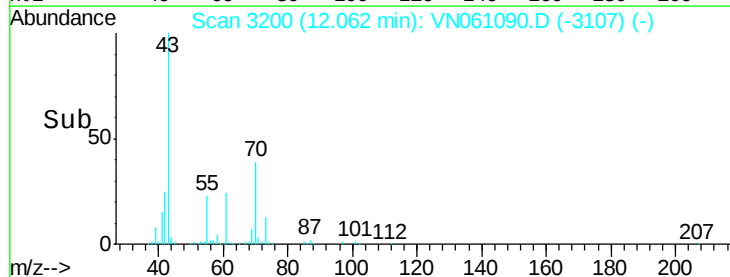
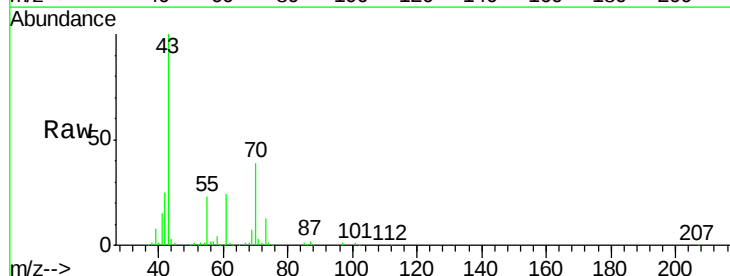
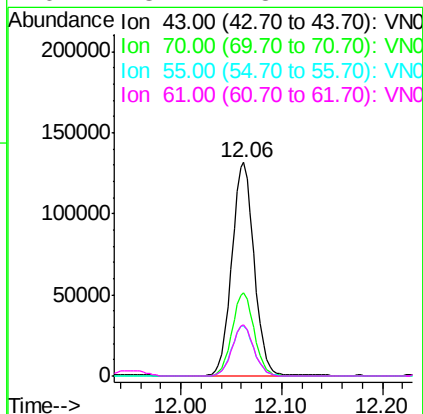
Manual Integrations
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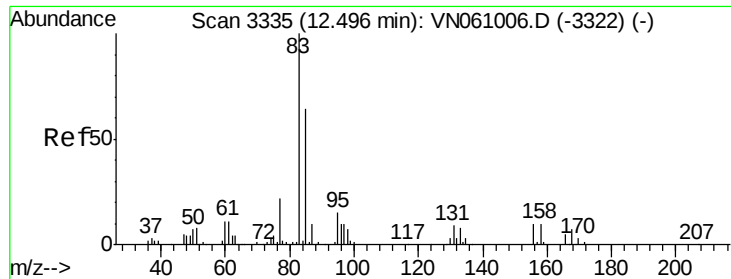
MMDadoda
4/20/2020 10:07:28 AM



#74
N-ethyl acetate
Concen: 49.232 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.5	31.0	46.6
55	23.2	18.6	27.8
61	23.2	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.361 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

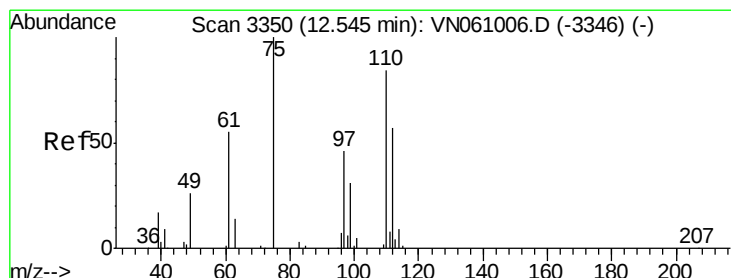
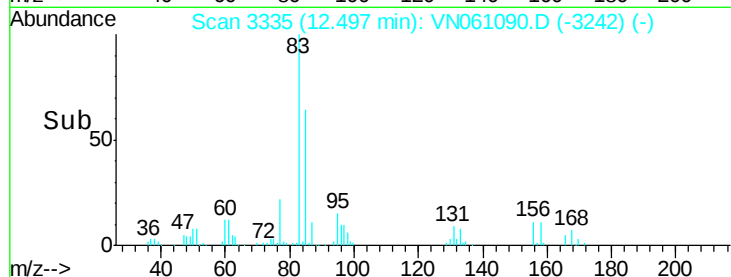
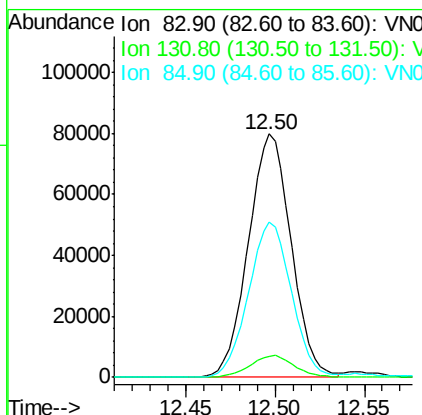
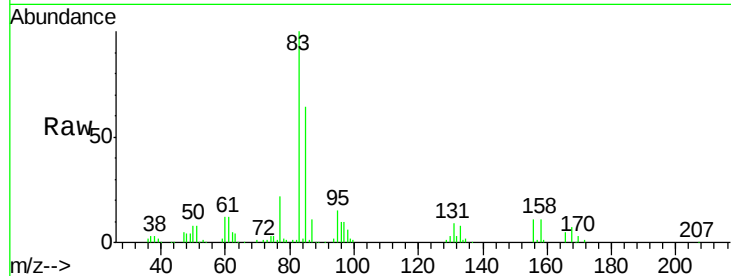
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	133947
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	64.0	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 50.475 ug/l m

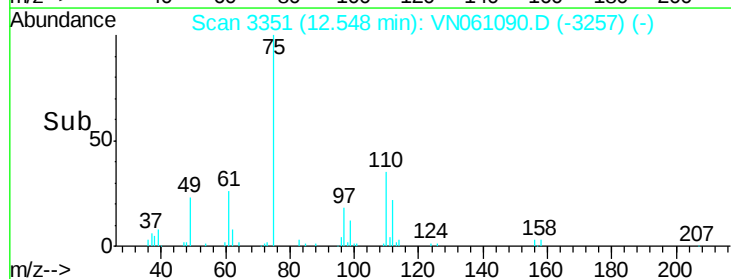
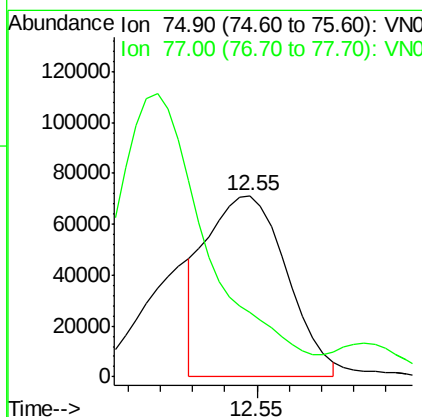
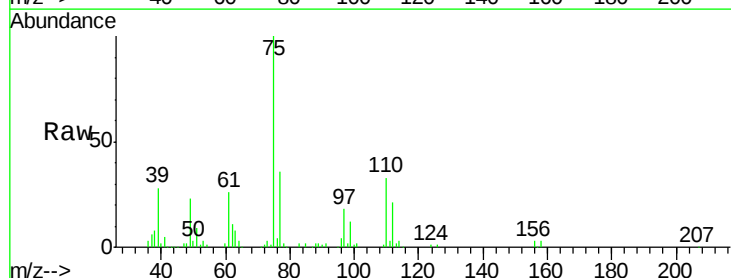
RT: 12.55 min Scan# 3351

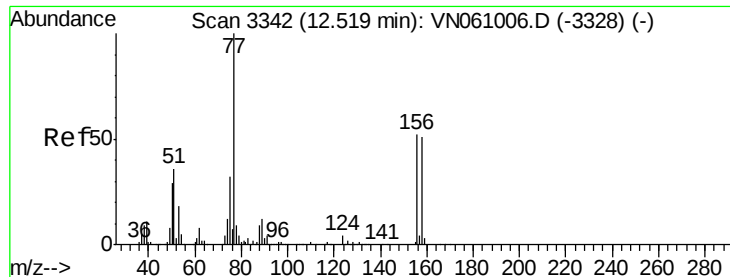
Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Tgt Ion:	75	Resp:	123193
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





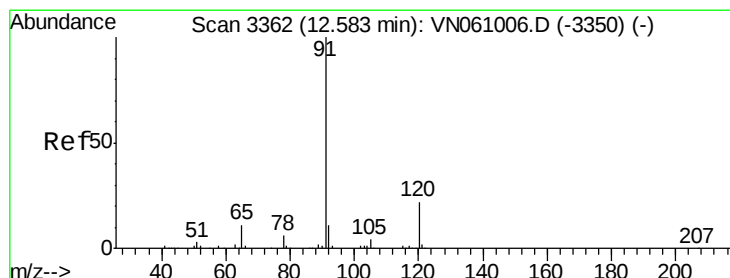
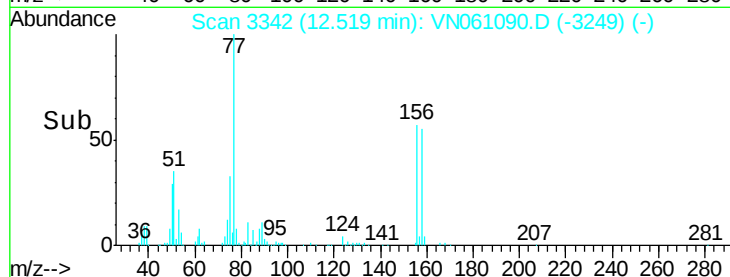
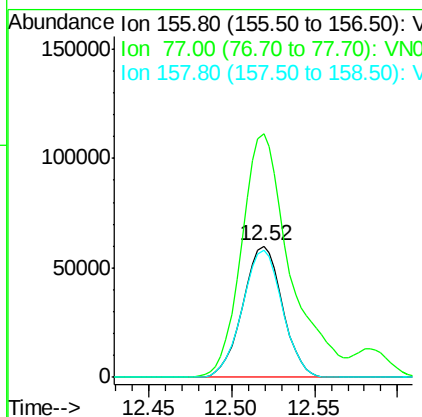
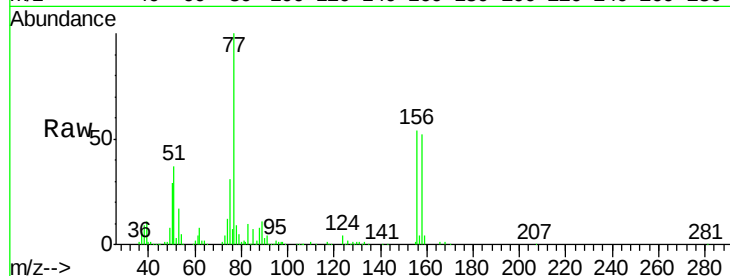
#77
Bromobenzene
Concen: 48.177 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	227.6	115.6	346.8
158	97.7	48.9	146.6

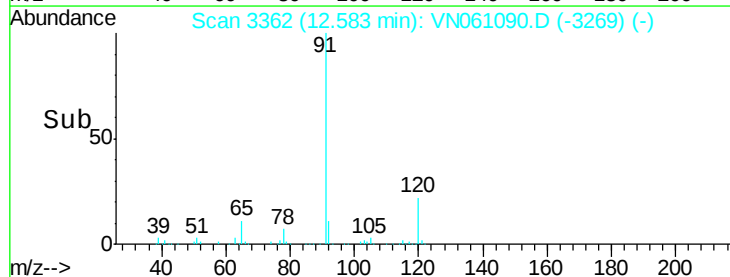
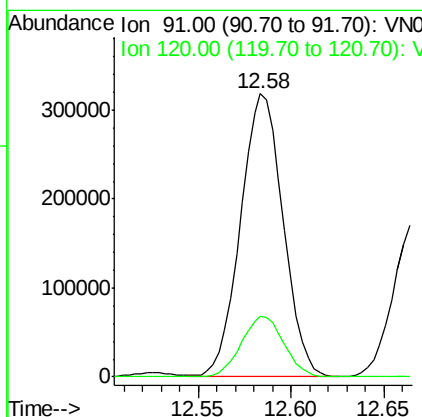
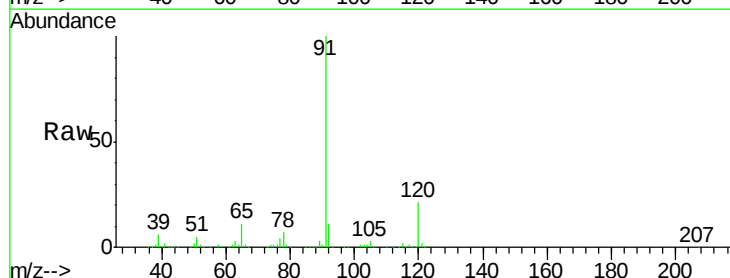
Manual Integrations
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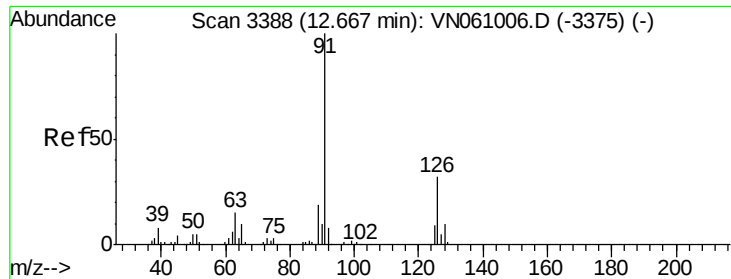
MMDadoda
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#78
n-propylbenzene
Concen: 48.457 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.9	32.7





#79

2-Chlorotoluene

Concen: 48.157 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 293753

Ion Ratio Lower Upper

91 100

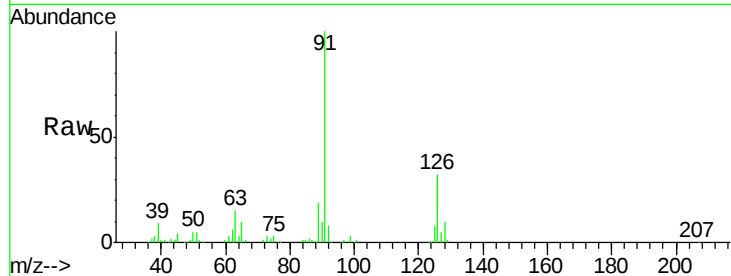
126 32.1 16.1 48.2

Manual Integrations

APPROVED

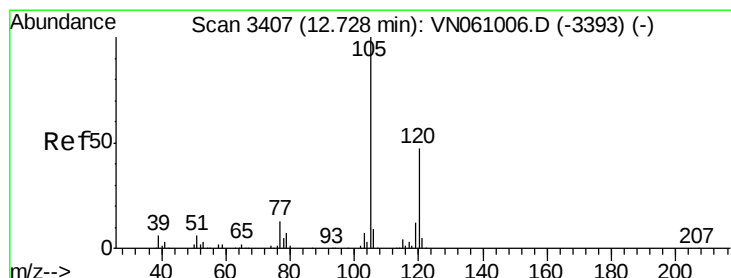
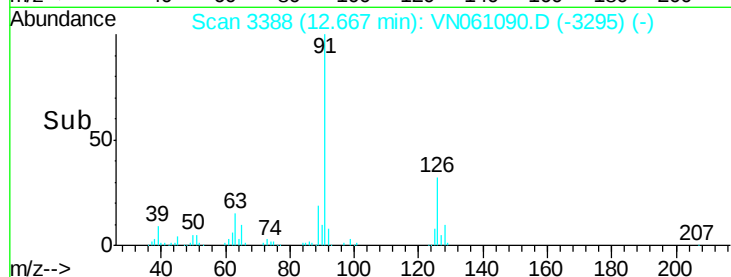
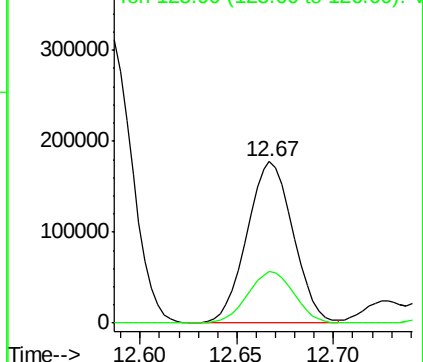
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Abundance Ion 91.00 (90.70 to 91.70): VN061006.D (-3375) (-)

Ion 125.90 (125.60 to 126.60): VN061006.D (-3375) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.570 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061090.D

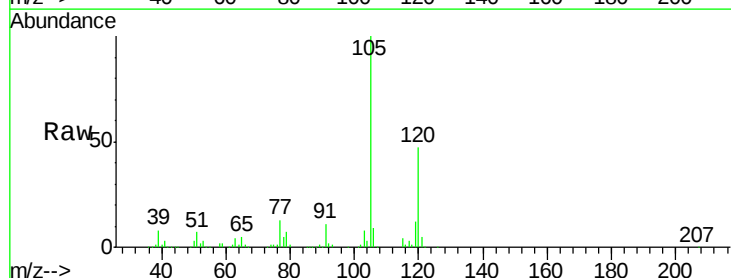
Acq: 18 Apr 2020 6:53

Tgt Ion: 105 Resp: 356888

Ion Ratio Lower Upper

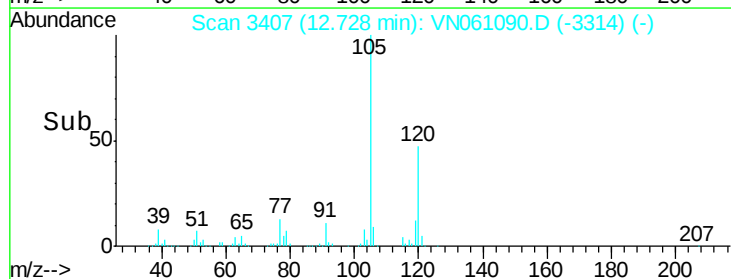
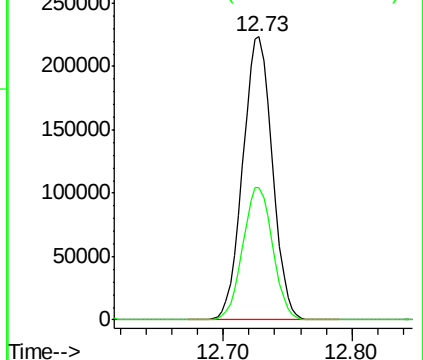
105 100

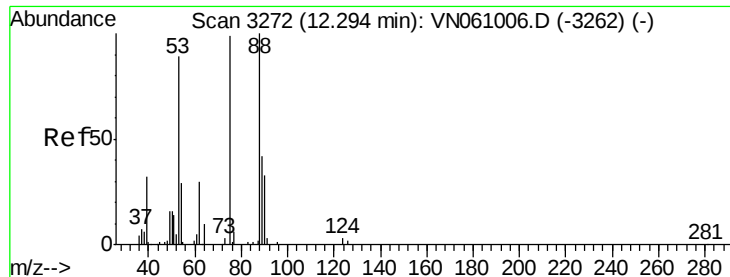
120 47.2 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061006.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN061006.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.386 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 42930

Ion Ratio Lower Upper

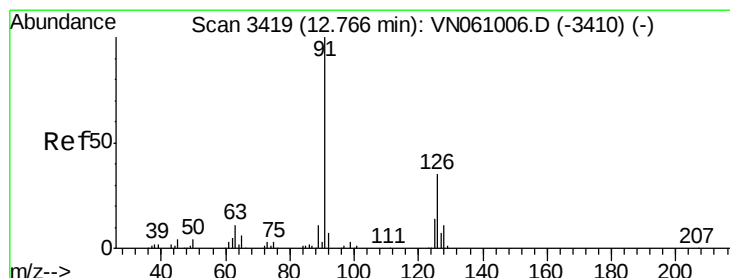
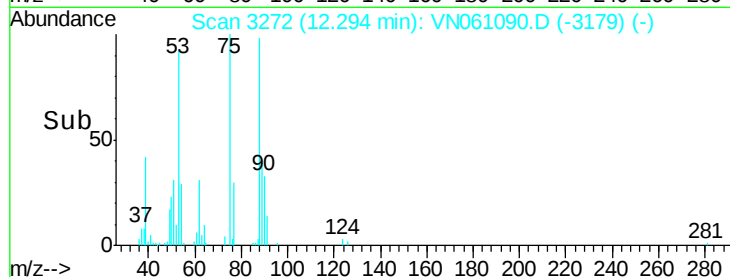
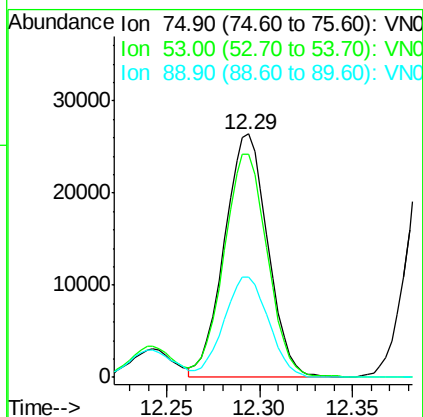
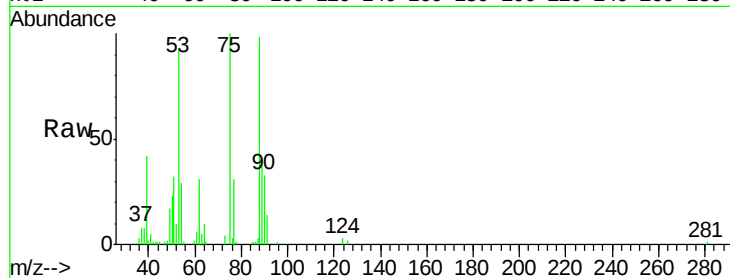
75 100

53 92.1 74.7 112.1

89 42.3 34.6 52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.782 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061090.D

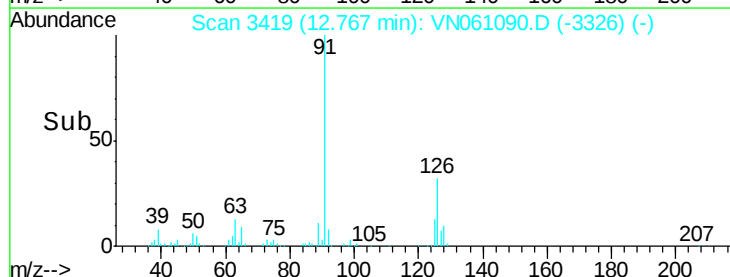
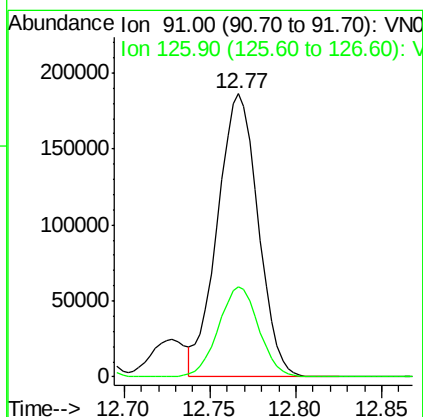
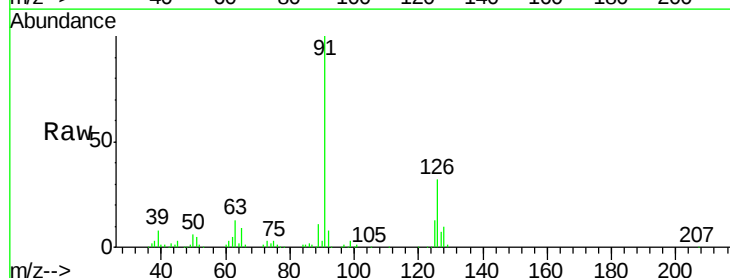
Acq: 18 Apr 2020 6:53

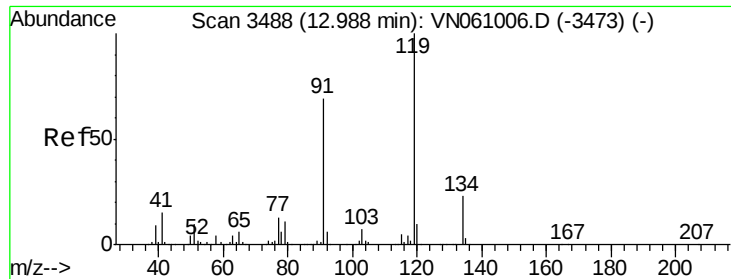
Tgt Ion: 91 Resp: 308617

Ion Ratio Lower Upper

91 100

126 31.2 15.9 47.6





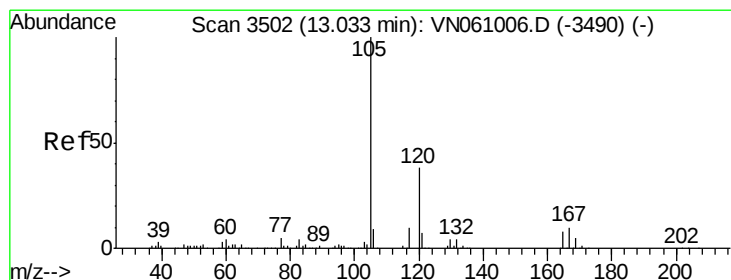
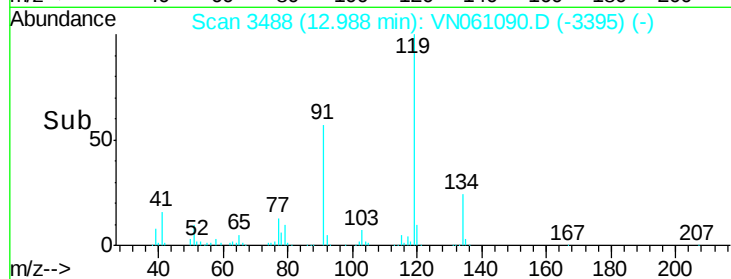
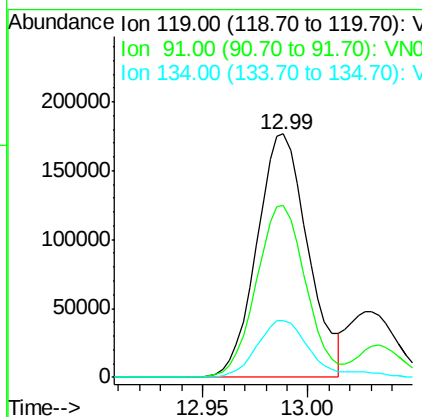
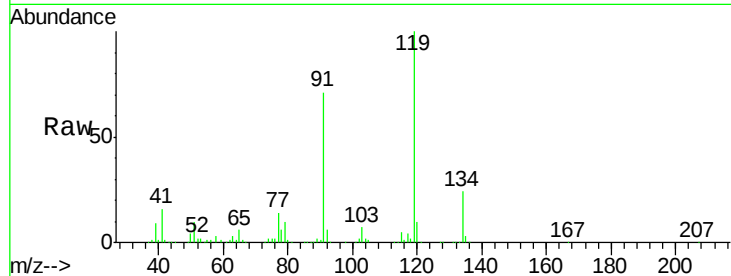
#83
tert-Butylbenzene
Concen: 48.236 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	298071		
91	68.8	34.1	102.3	
134	24.7	12.4	37.2	

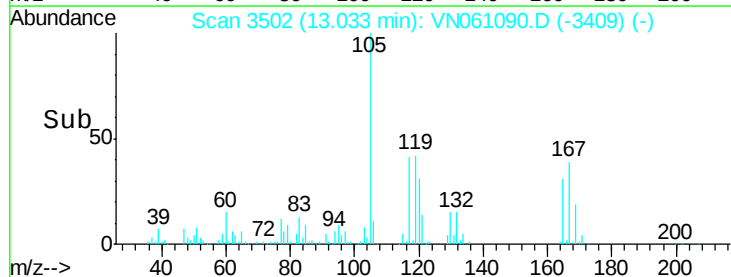
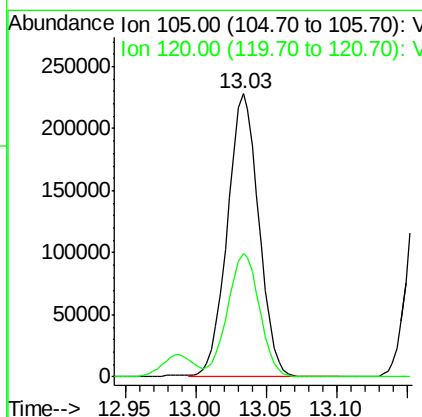
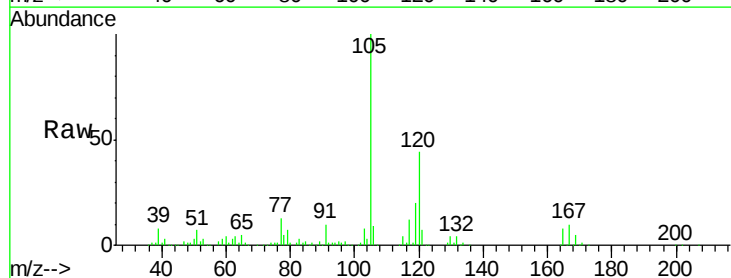
Manual Integrations
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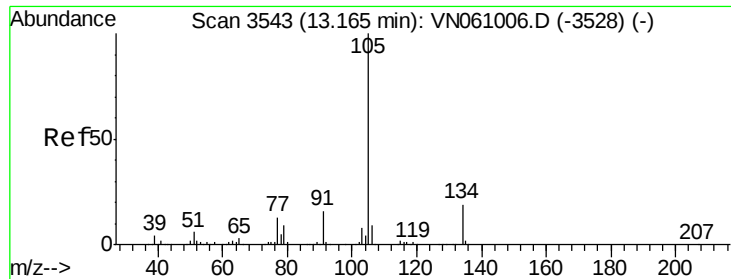
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#84
1,2,4-Trimethylbenzene
Concen: 48.944 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	355487		
120	44.5	22.1	66.5	





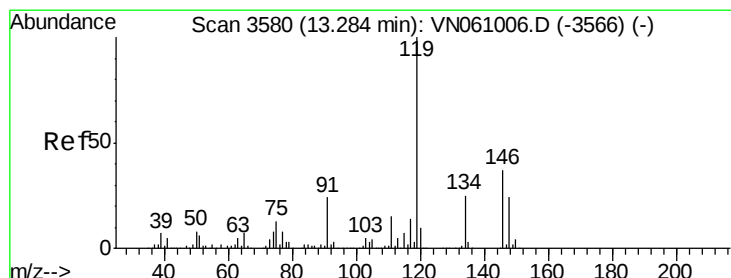
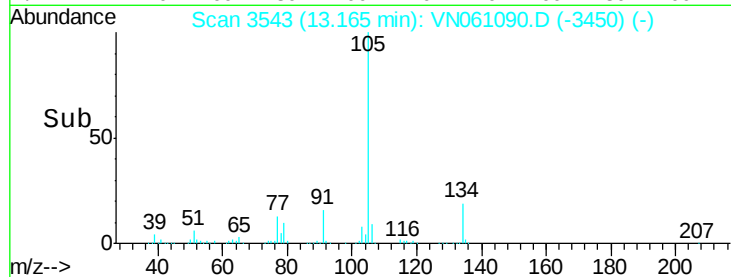
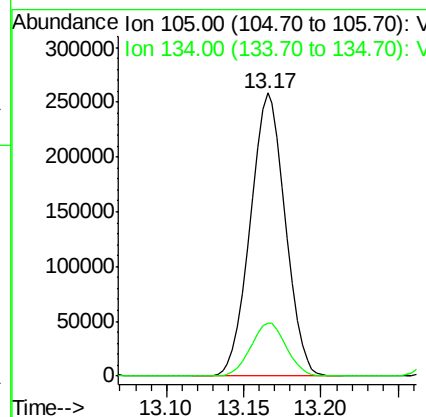
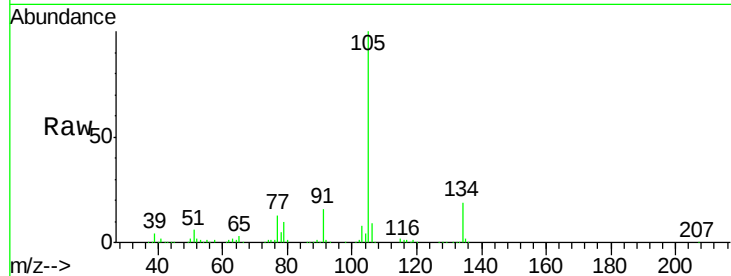
#85
 sec-Butylbenzene
 Concen: 48.524 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061090.D
 Acq: 18 Apr 2020 6:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.5	28.5

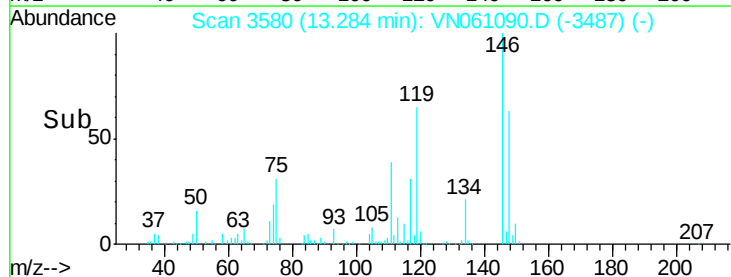
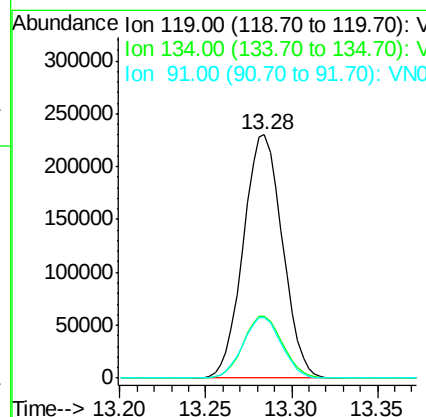
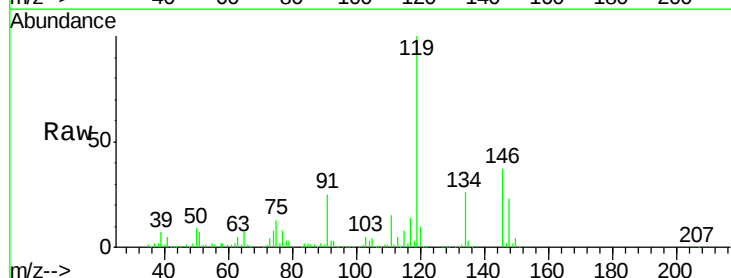
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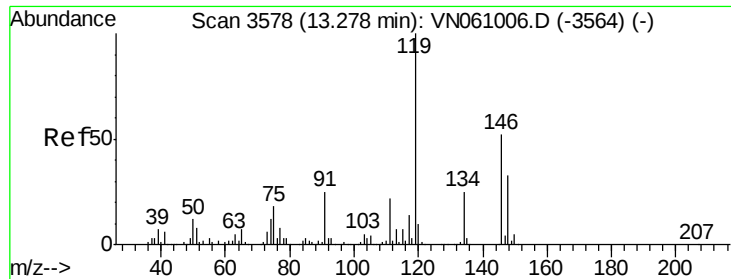
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#86
 p-Isopropyltoluene
 Concen: 48.565 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061090.D
 Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.4
91	24.8	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 48.182 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN061090.D

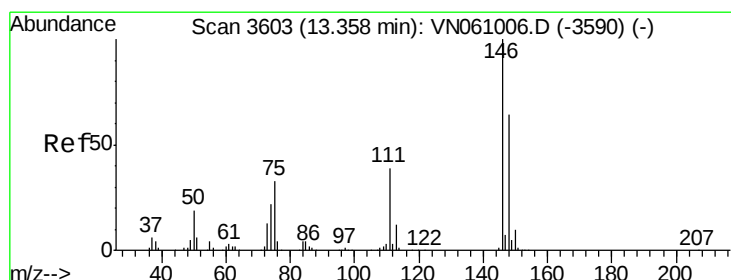
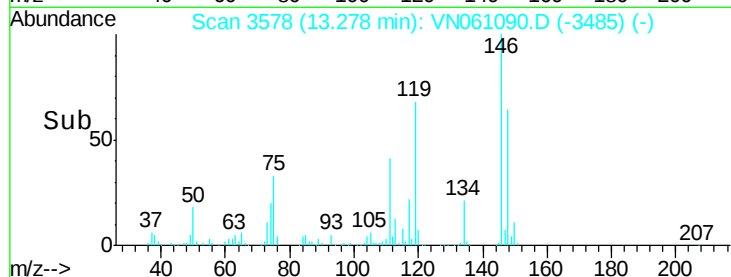
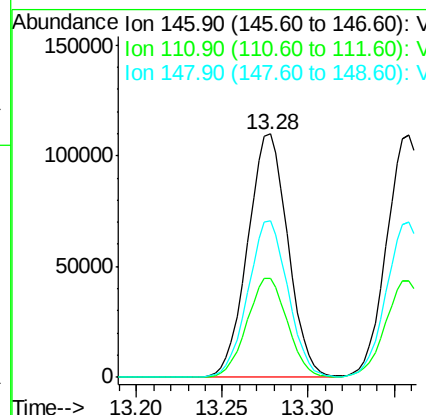
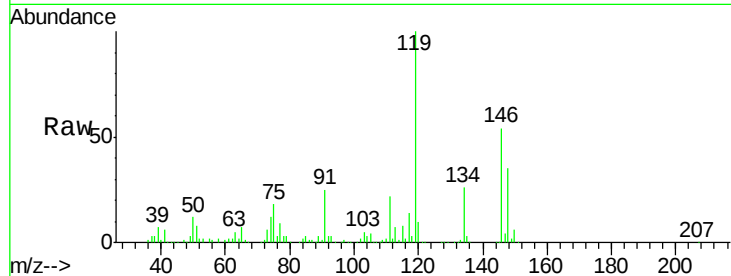
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	178222		
111	41.0	20.6	61.8	
148	63.9	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 47.932 ug/l

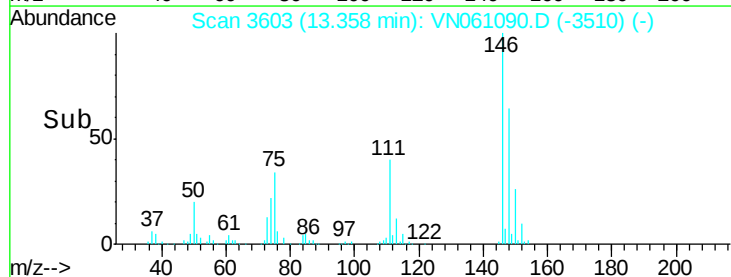
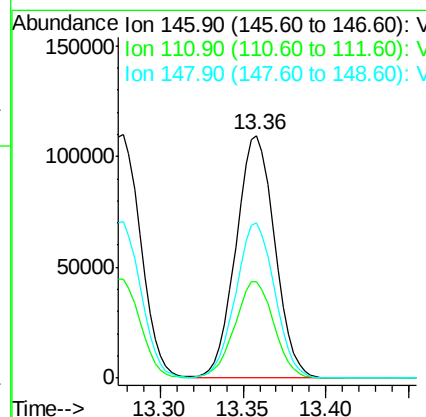
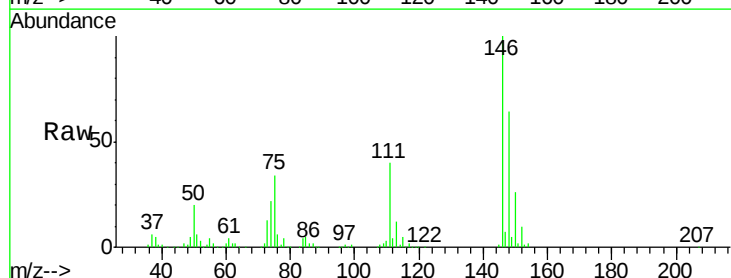
RT: 13.36 min Scan# 3603

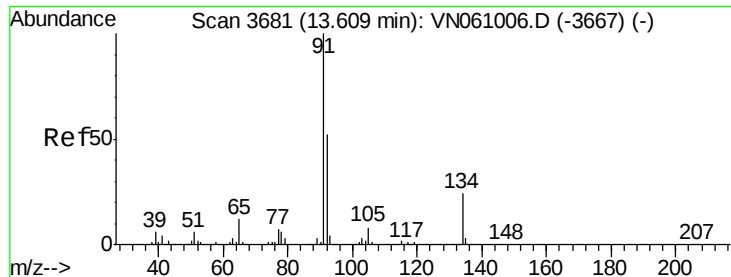
Delta R.T. 0.00 min

Lab File: VN061090.D

Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	178367		
111	40.4	20.1	60.3	
148	64.3	32.1	96.3	





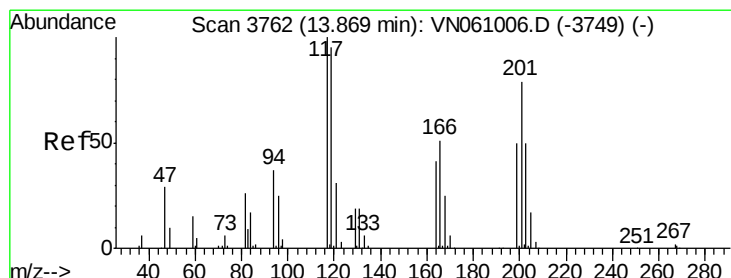
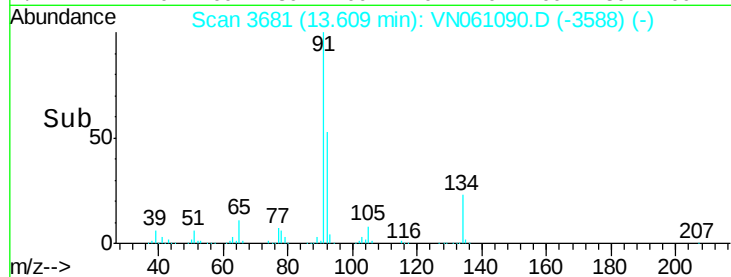
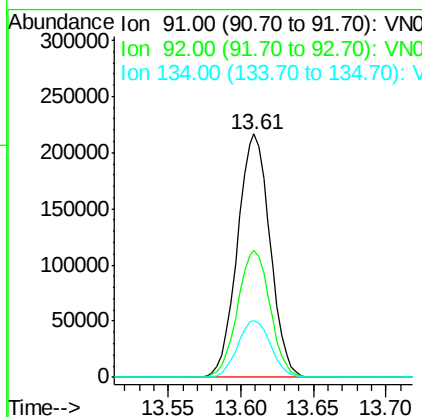
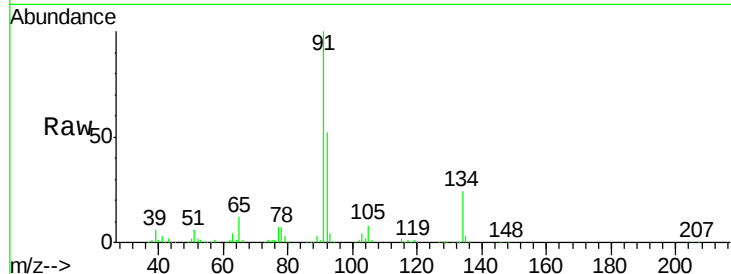
#89
n-Butylbenzene
Concen: 48.667 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	23.7	12.3	36.8

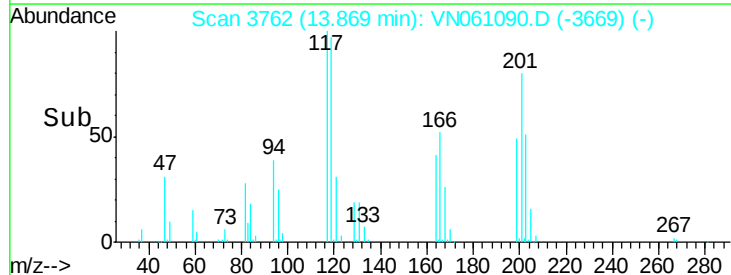
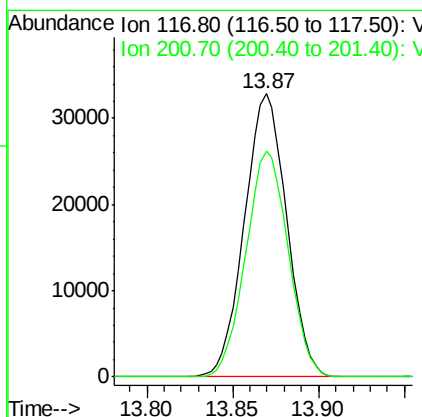
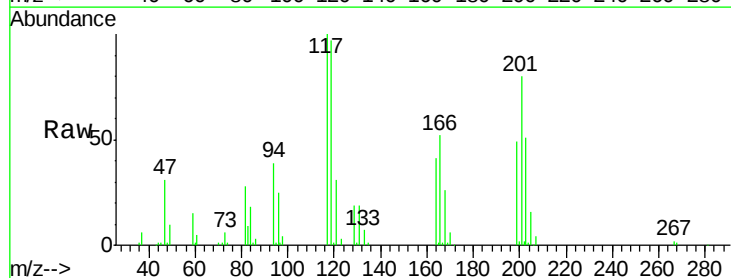
Manual Integrations
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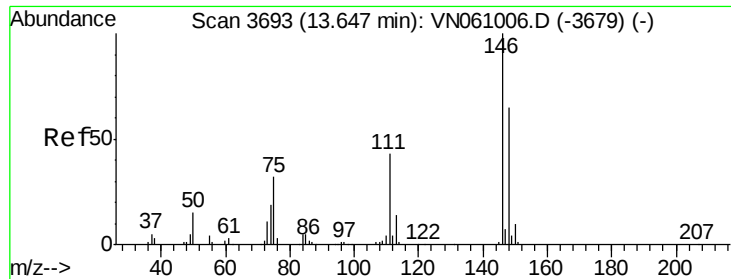
MMDadoda
4/20/2020 10:07:28 AM



#90
Hexachloroethane
Concen: 48.854 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	39.3	117.9





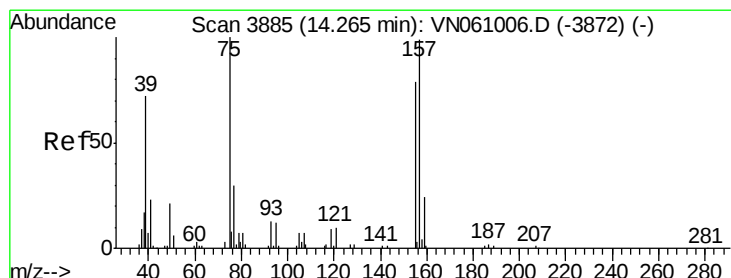
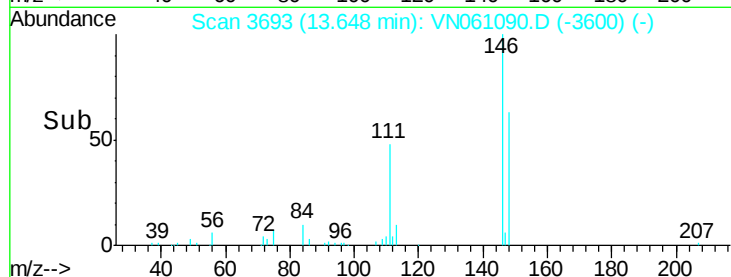
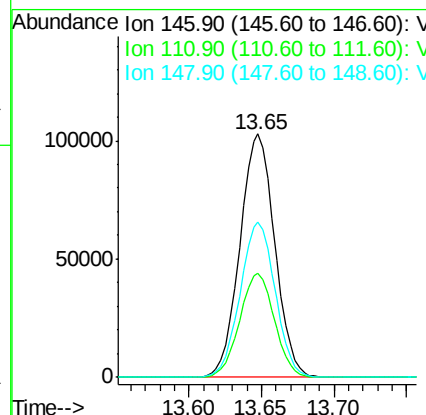
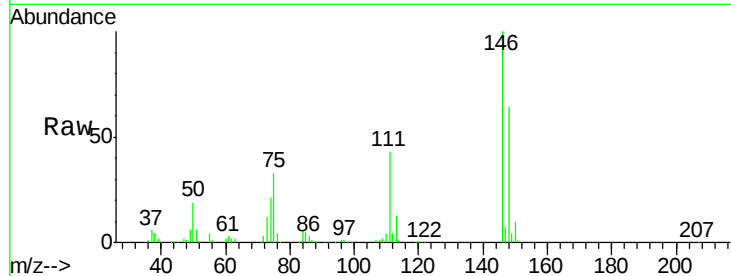
#91
 1,2-Dichlorobenzene
 Concen: 48.637 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061090.D
 Acq: 18 Apr 2020 6:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	64.0	32.0	96.0

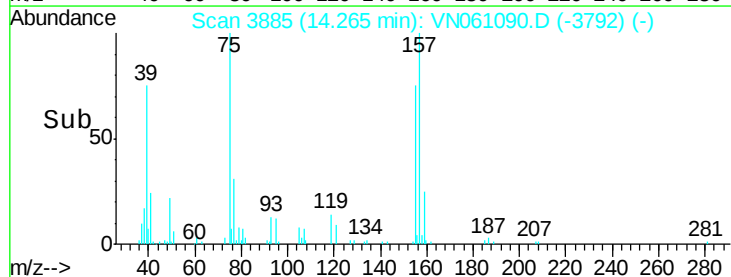
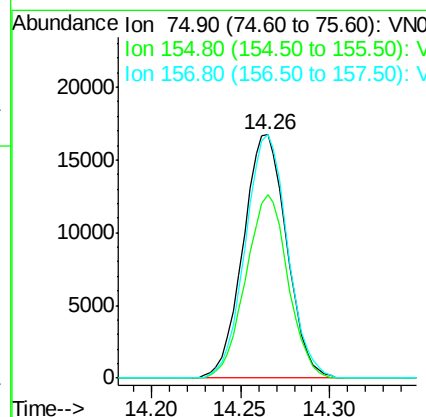
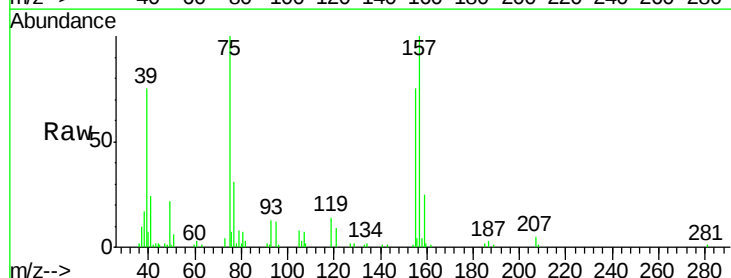
Manual Integrations
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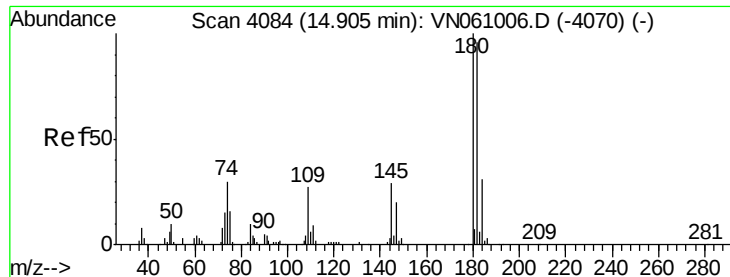
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.178 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061090.D
 Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.0	39.5	118.5
157	97.2	50.1	150.4





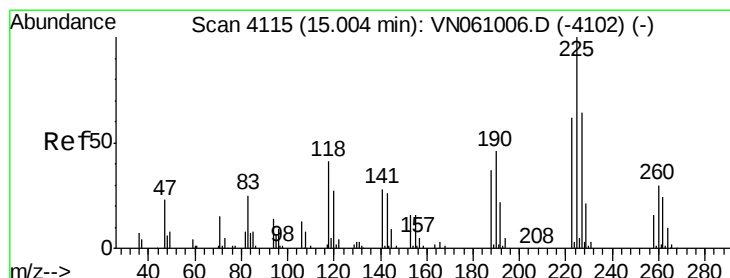
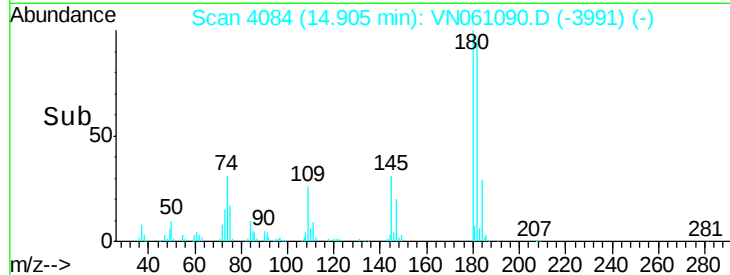
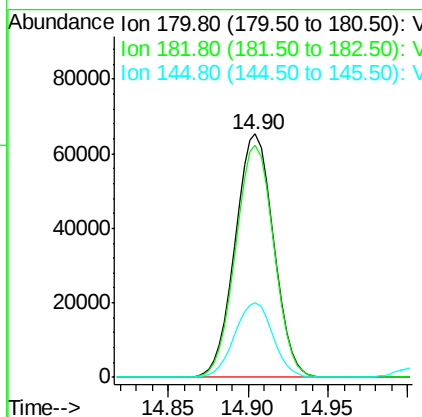
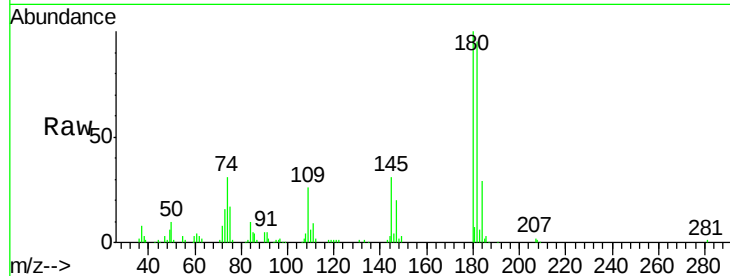
#93
 1,2,4-Trichlorobenzene
 Concen: 51.144 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061090.D
 Acq: 18 Apr 2020 6:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106868		
182	95.0	47.8	143.3	
145	30.4	15.3	45.8	

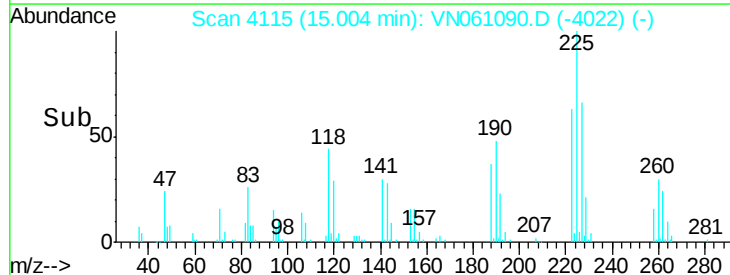
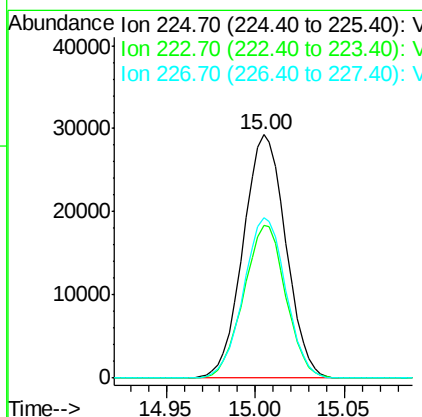
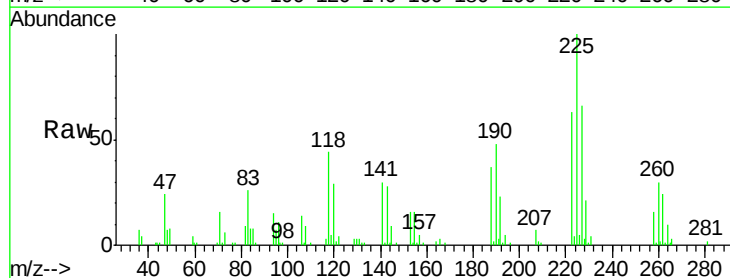
Manual Integrations
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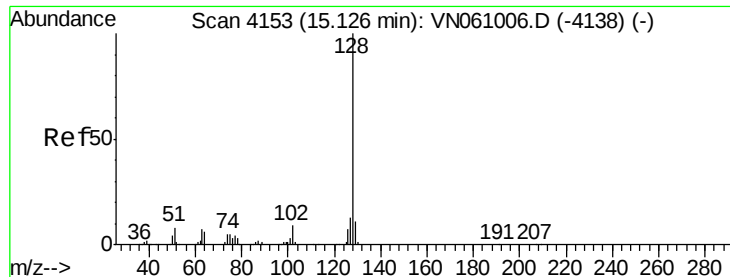
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#94
 Hexachlorobutadiene
 Concen: 45.525 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN061090.D
 Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48936		
223	61.8	31.3	93.8	
227	65.0	31.9	95.5	





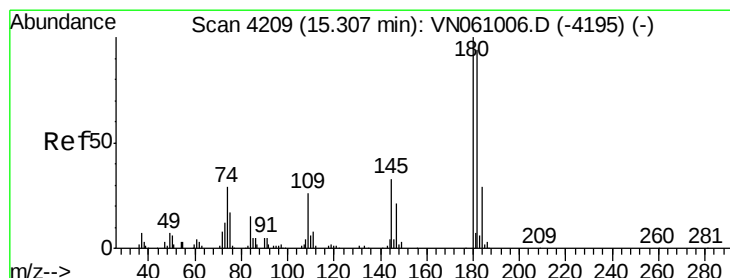
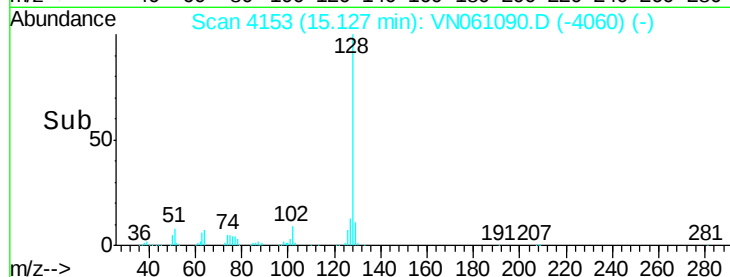
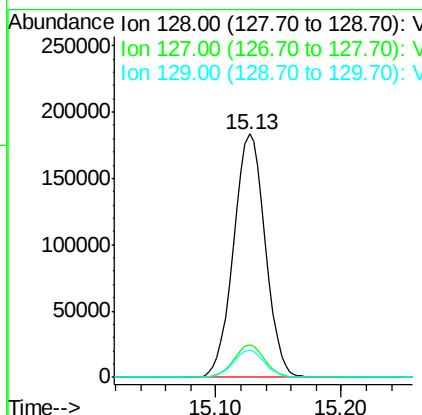
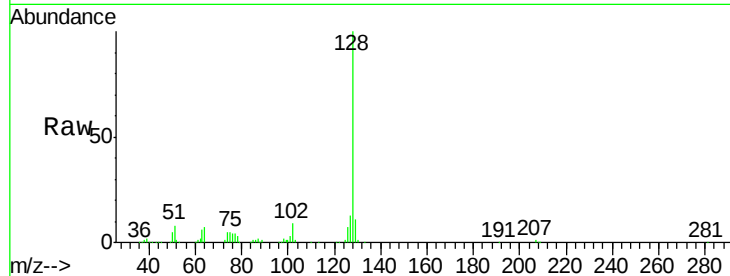
#95
Naphthalene
Concen: 52.713 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.426 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. 0.00 min
Lab File: VN061090.D
Acq: 18 Apr 2020 6:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.6	142.8
145	33.0	16.4	49.2

