

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060177.D
 Acq On : 20 Feb 2020 17:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 9:15:09 AM

Quant Time: Feb 21 03:28:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159795	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	122482	48.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.68%	
35) Dibromofluoromethane	7.56	113	99002	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.22%	
50) Toluene-d8	10.08	98	380059	46.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.80%	
62) 4-Bromofluorobenzene	12.40	95	146024	49.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	93750	45.044	ug/l	100
3) Chloromethane	2.04	50	113161	45.688	ug/l	98
4) Vinyl Chloride	2.17	62	131436	46.556	ug/l	100
5) Bromomethane	2.54	94	80721	46.630	ug/l	98
6) Chloroethane	2.68	64	68294	47.827	ug/l	97
7) Trichlorofluoromethane	3.00	101	171035	46.989	ug/l	98
8) Diethyl Ether	3.38	74	61230	50.535	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95612	47.313	ug/l	99
10) Methyl Iodide	3.93	142	137087	50.452	ug/l	99
11) Tert butyl alcohol	4.73	59	97519	257.200	ug/l	100
12) 1,1-Dichloroethene	3.72	96	95740	48.632	ug/l	100
13) Acrolein	3.58	56	98106	261.774	ug/l	98
14) Allyl chloride	4.29	41	141771	48.928	ug/l	96
15) Acrylonitrile	4.94	53	248030	267.865	ug/l	99
16) Acetone	3.78	43	249101	225.392	ug/l	98
17) Carbon Disulfide	4.03	76	262993	44.321	ug/l	99
18) Methyl Acetate	4.29	43	112933	54.397	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	332673	50.249	ug/l	100
20) Methylene Chloride	4.52	84	106277	48.200	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	103806	48.372	ug/l	99
22) Diisopropyl ether	5.91	45	326721	51.450	ug/l	98
23) Vinyl Acetate	5.86	43	1401975	262.898	ug/l	99
24) 1,1-Dichloroethane	5.82	63	188279	48.943	ug/l	100
25) 2-Butanone	6.80	43	352111	253.322	ug/l	99
26) 2,2-Dichloropropane	6.79	77	181879	49.777	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	121662	48.442	ug/l	98
28) Bromochloromethane	7.17	49	74968	49.570	ug/l	100
29) Tetrahydrofuran	7.18	42	224368	263.120	ug/l	98
30) Chloroform	7.35	83	200617	49.784	ug/l	100
31) Cyclohexane	7.63	56	167146	46.643	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	183534	49.839	ug/l	100
36) 1,1-Dichloropropene	7.77	75	149243	48.129	ug/l	99
37) Ethyl Acetate	6.90	43	141204	50.385	ug/l	99
38) Carbon Tetrachloride	7.75	117	158543	47.077	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	178121	46.274	ug/l	96
40) Benzene	8.02	78	439181	47.745	ug/l	99
41) Methacrylonitrile	7.15	41	67073m	57.069	ug/l	
42) 1,2-Dichloroethane	8.10	62	160313	49.726	ug/l	99
43) Isopropyl Acetate	8.14	43	245128	51.168	ug/l	99
44) Trichloroethene	8.82	130	118341	46.463	ug/l	96
45) 1,2-Dichloropropane	9.10	63	113462	49.823	ug/l	100
46) Dibromomethane	9.19	93	77956	48.441	ug/l	99
47) Bromodichloromethane	9.39	83	160781	49.141	ug/l	100
48) Methyl methacrylate	9.18	41	109906	51.133	ug/l	98
49) 1,4-Dioxane	9.18	88	37790	1029.008	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	726740	262.085	ug/l	100
52) Toluene	10.14	92	282585	47.907	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	186231	50.426	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	191689	49.291	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	112203	48.758	ug/l	99
56) Ethyl methacrylate	10.42	69	172428	52.968	ug/l	98
57) 1,3-Dichloropropane	10.70	76	188079	49.531	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	389354	256.733	ug/l	99
59) 2-Hexanone	10.74	43	550862	257.171	ug/l	99
60) Dibromochloromethane	10.89	129	129801	49.153	ug/l	99
61) 1,2-Dibromoethane	10.99	107	120928	50.129	ug/l	99
64) Tetrachloroethene	10.62	164	103258	42.791	ug/l	99
65) Chlorobenzene	11.42	112	309193	47.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	118494	48.434	ug/l	99
67) Ethyl Benzene	11.50	91	559098	47.934	ug/l	100
68) m/p-Xylenes	11.62	106	420826	96.130	ug/l	100
69) o-Xylene	11.94	106	204849	48.600	ug/l	100
70) Styrene	11.96	104	340606	50.111	ug/l	99
71) Bromoform	12.12	173	99028	50.326	ug/l #	98
73) Isopropylbenzene	12.24	105	553010	46.344	ug/l	100
74) N-amyl acetate	12.06	43	222587	51.730	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	170502	49.642	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	146482m	47.913	ug/l	
77) Bromobenzene	12.52	156	139692	47.172	ug/l	98
78) n-propylbenzene	12.59	91	634570	46.676	ug/l	100
79) 2-Chlorotoluene	12.67	91	374738	46.896	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	464468	46.814	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	64140	51.369	ug/l	99
82) 4-Chlorotoluene	12.77	91	384768	46.932	ug/l	100
83) tert-Butylbenzene	12.99	119	403772	46.005	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	469392	47.928	ug/l	100
85) sec-Butylbenzene	13.17	105	540459	46.497	ug/l	100
86) p-Isopropyltoluene	13.28	119	490726	46.597	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	248498	47.406	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	247125	47.154	ug/l	99
89) n-Butylbenzene	13.61	91	438987	47.392	ug/l	100
90) Hexachloroethane	13.87	117	90797	46.150	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	242838	47.338	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	36081	49.397	ug/l	96

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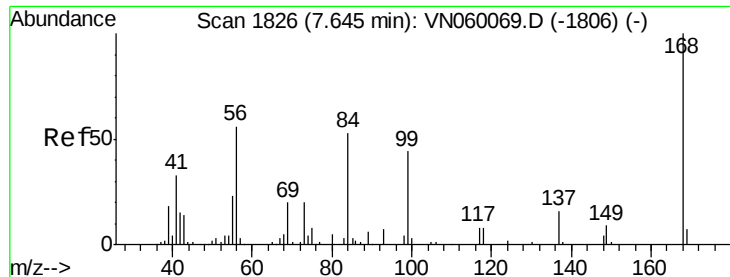
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	147813	49.039	ug/l	100
94) Hexachlorobutadiene	15.01	225	77320	43.817	ug/l	100
95) Naphthalene	15.13	128	397864	48.864	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140478	46.800	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: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 208222

Ion Ratio Lower Upper

168 100

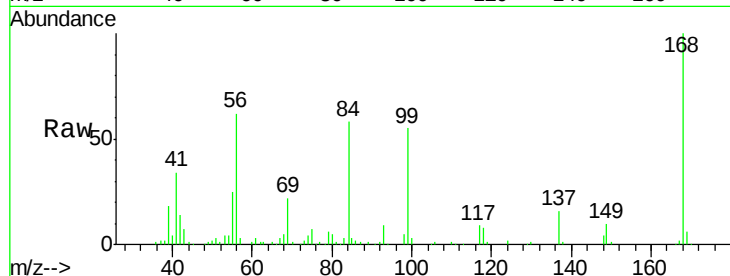
99 55.0 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

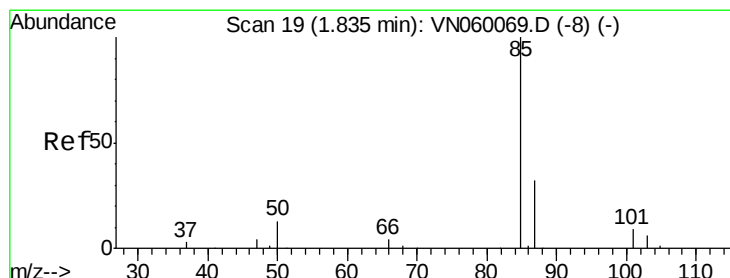
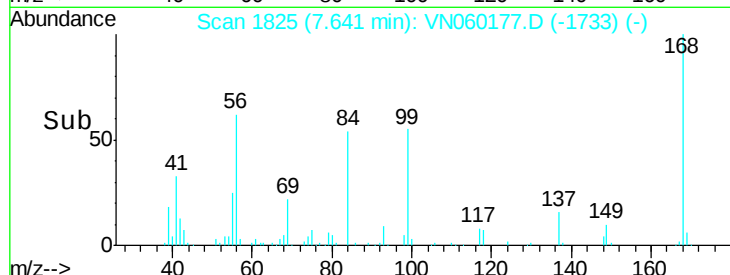
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.044 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060177.D

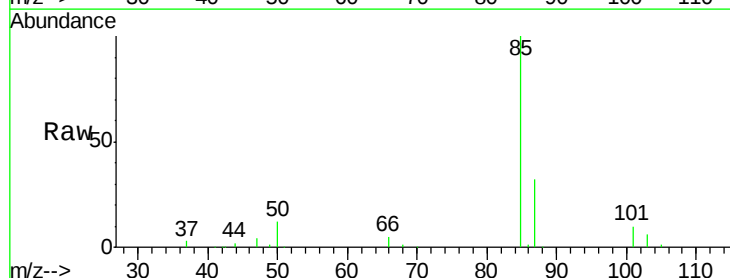
Acq: 20 Feb 2020 17:14

Tgt Ion: 85 Resp: 93750

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

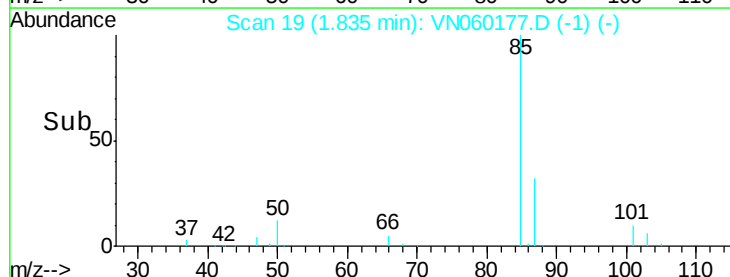
40000

20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.688 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 113161

Ion Ratio Lower Upper

50 100

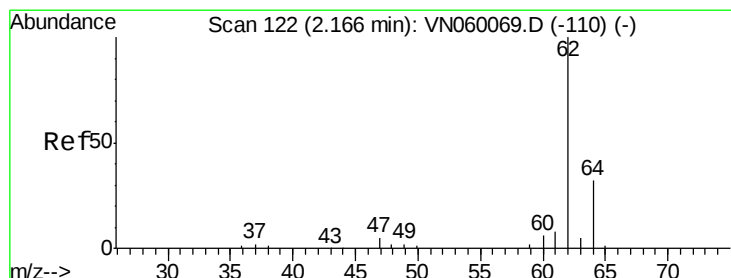
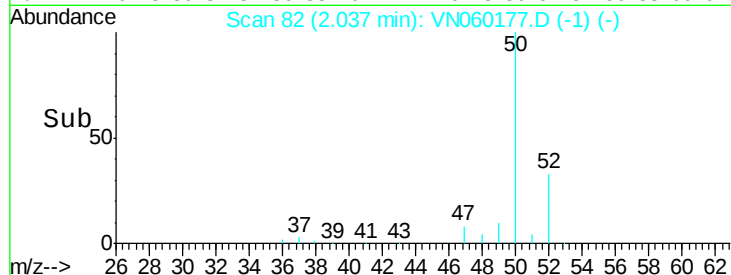
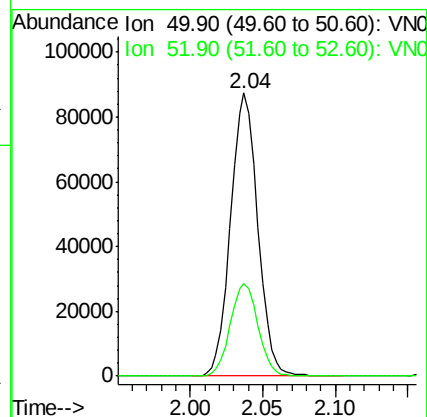
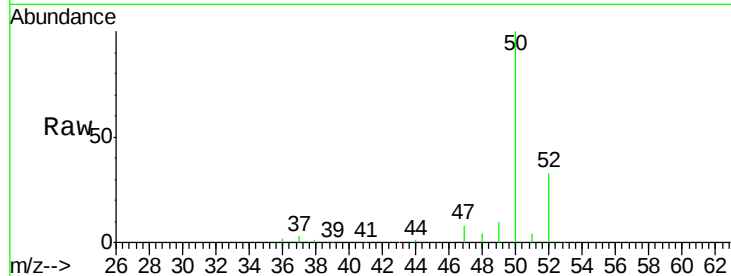
52 32.9 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.556 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060177.D

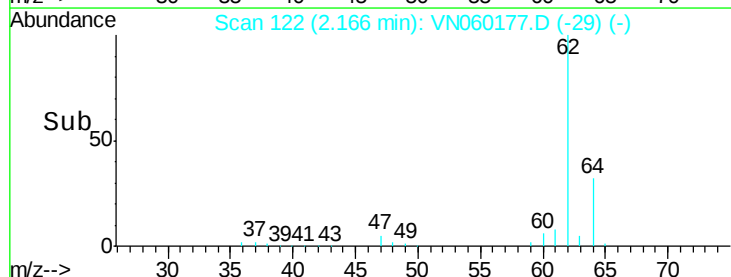
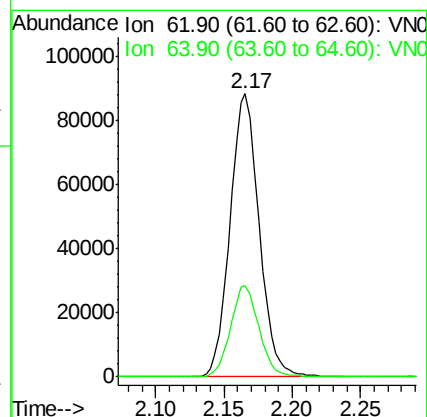
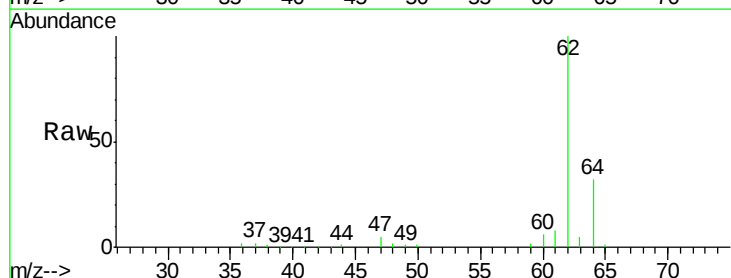
Acq: 20 Feb 2020 17:14

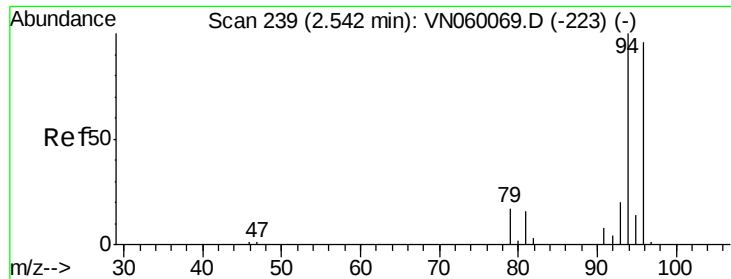
Tgt Ion: 62 Resp: 131436

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 46.630 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 80721

Ion Ratio Lower Upper

94 100

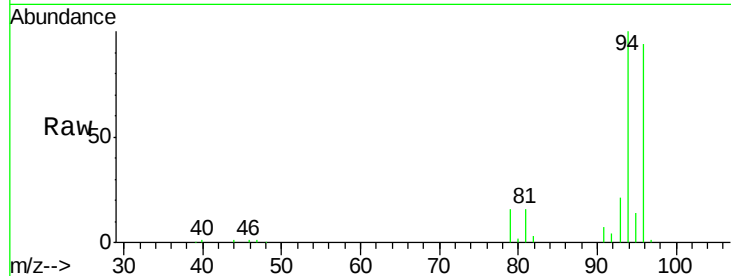
96 93.9 76.7 115.1

Manual Integrations

APPROVED

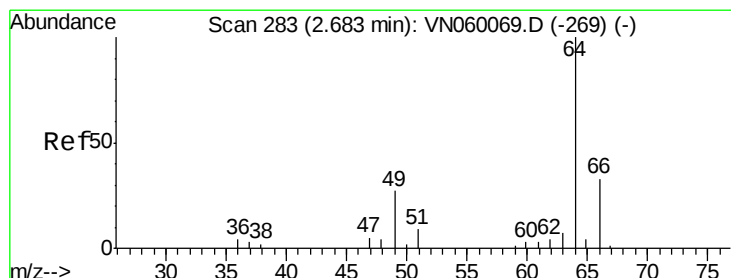
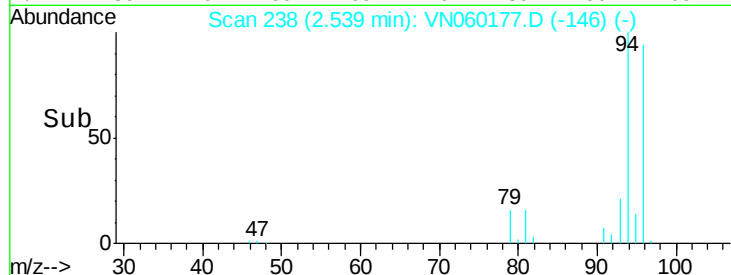
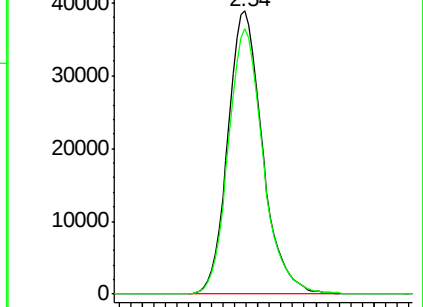
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 47.827 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060177.D

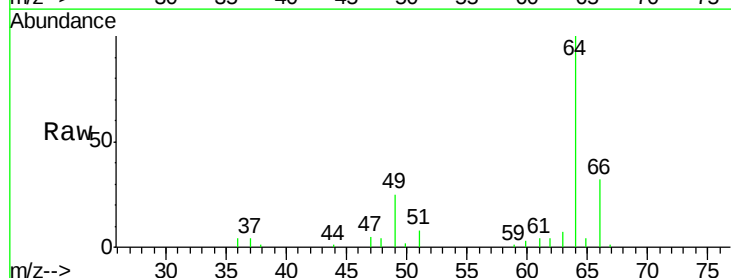
Acq: 20 Feb 2020 17:14

Tgt Ion: 64 Resp: 68294

Ion Ratio Lower Upper

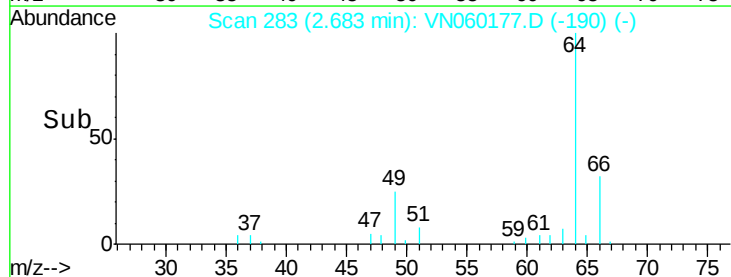
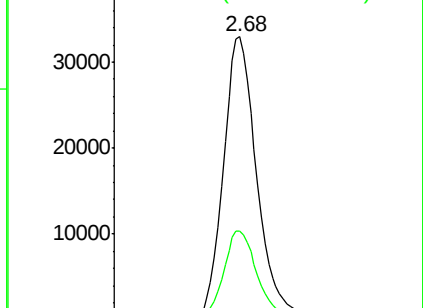
64 100

66 31.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

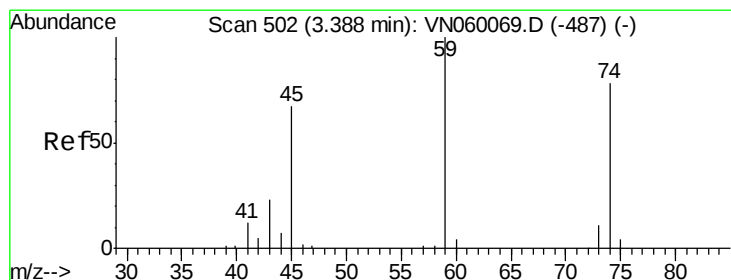
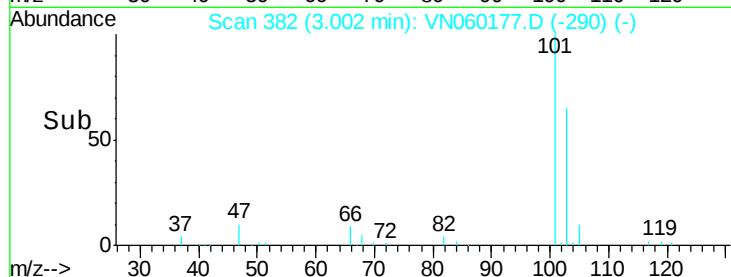
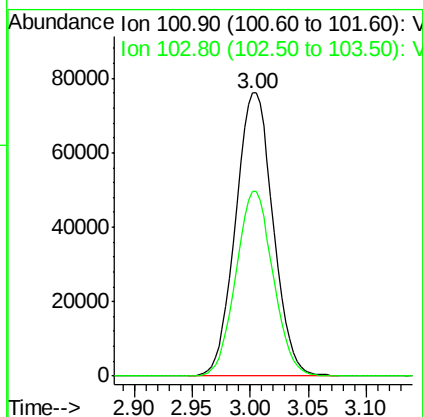
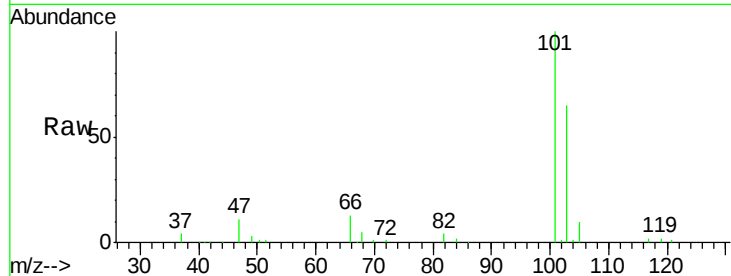
Trichlorofluoromethane
 Concen: 46.989 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 171035
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.0 76.6

Manual Integrations
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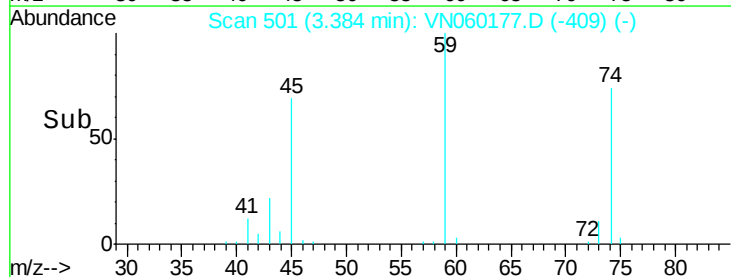
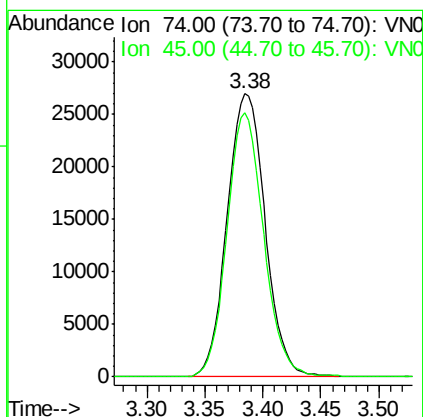
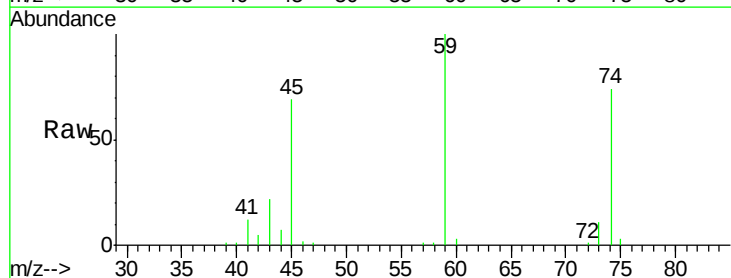
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 2/21/2020 9:15:09 AM



#8

Diethyl Ether
 Concen: 50.535 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion: 74 Resp: 61230
 Ion Ratio Lower Upper
 74 100
 45 89.9 44.7 134.1





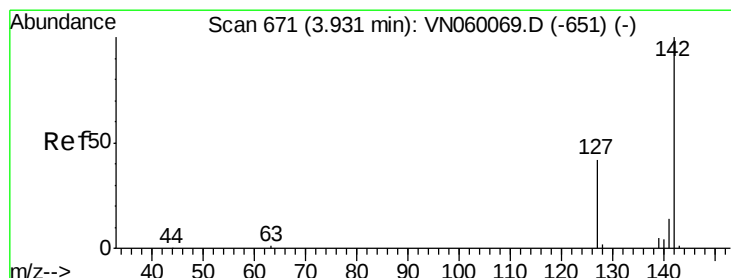
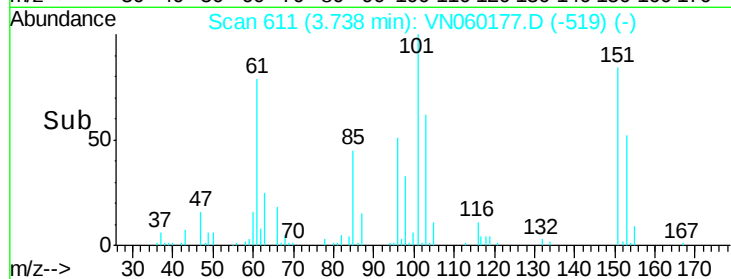
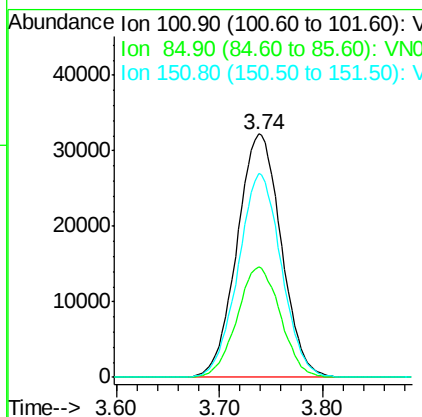
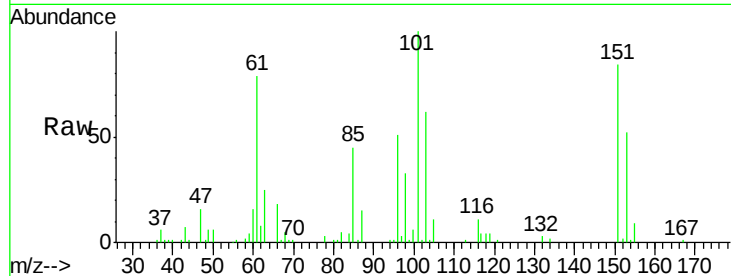
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.313 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN060177.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.1	52.7
151	81.9	65.8	98.6

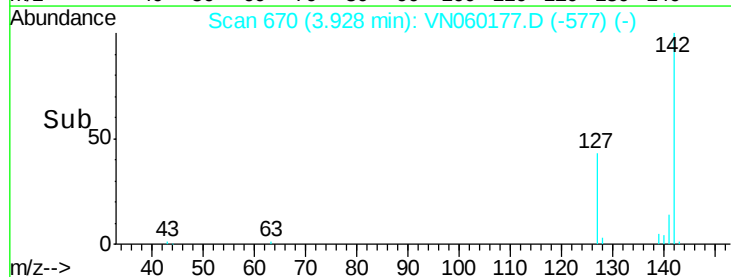
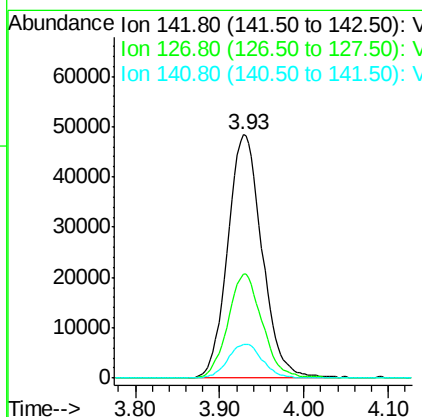
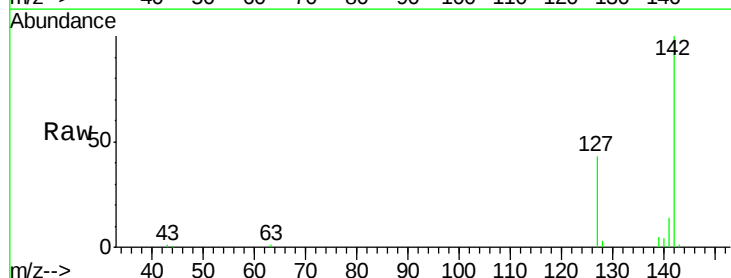
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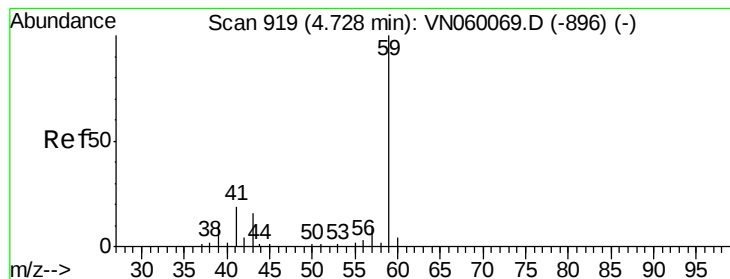
MMDadoda
2/21/2020 9:15:09 AM



#10
Methyl Iodide
Concen: 50.452 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.7	33.6	50.4
141	14.0	11.4	17.2





#11

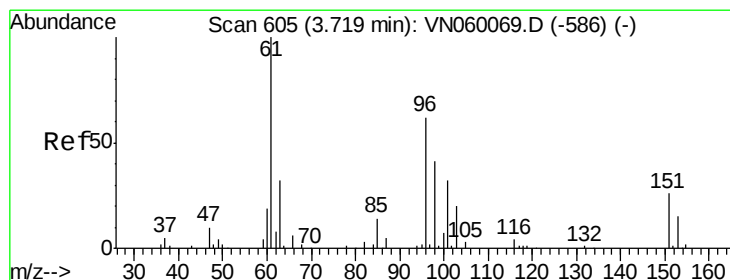
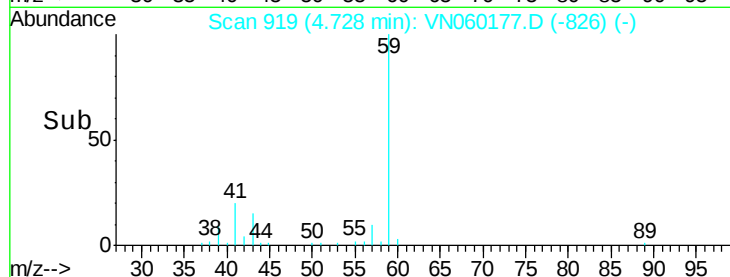
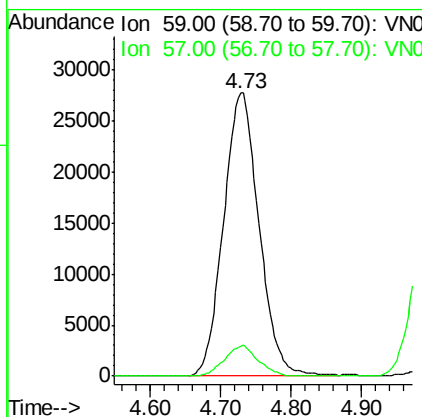
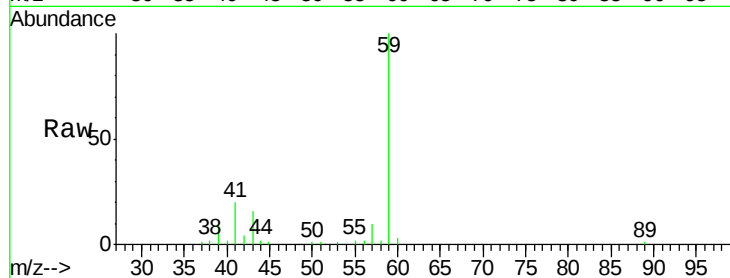
Tert butyl alcohol
Concen: 257.200 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
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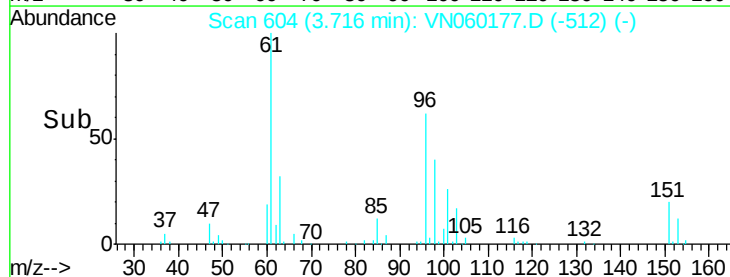
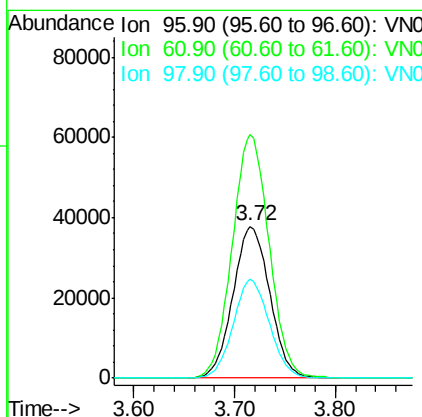
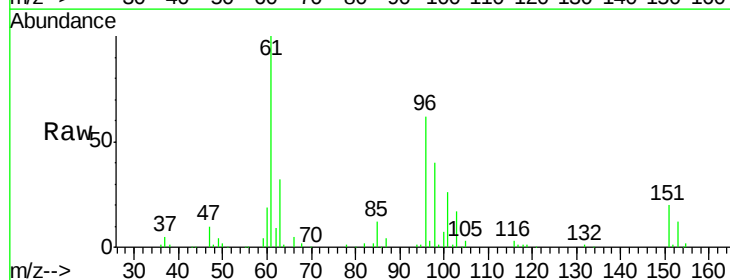
MMDadoda
2/21/2020 9:15:09 AM

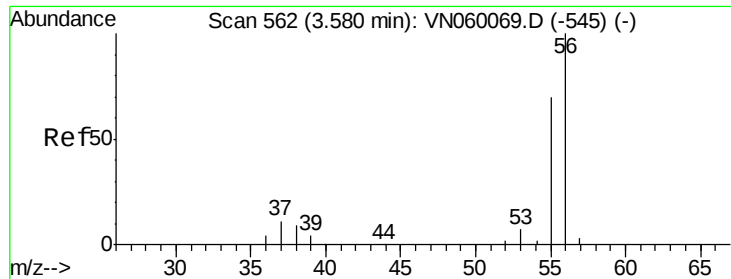


#12

1,1-Dichloroethene
Concen: 48.632 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.7	128.3	192.5
98	65.1	52.2	78.4





#13

Acrolein

Concen: 261.774 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 98106

Ion Ratio Lower Upper

56 100

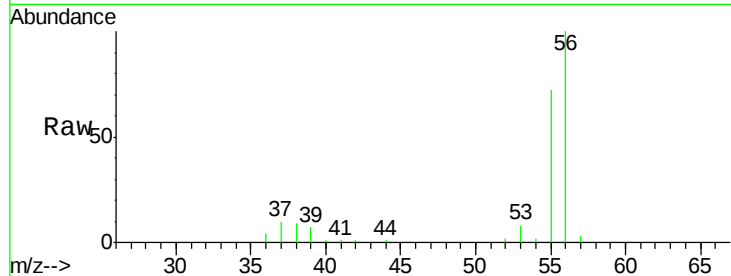
55 70.0 54.8 82.2

Manual Integrations

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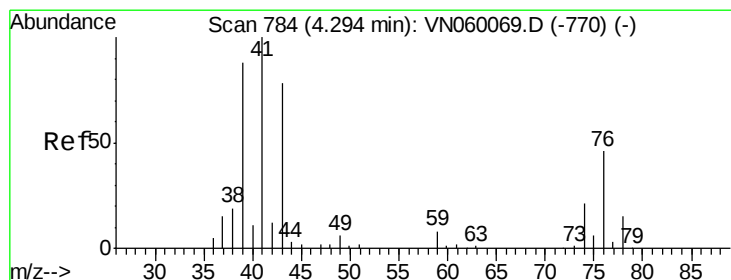
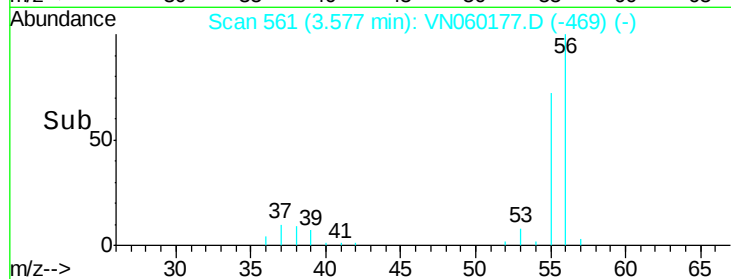
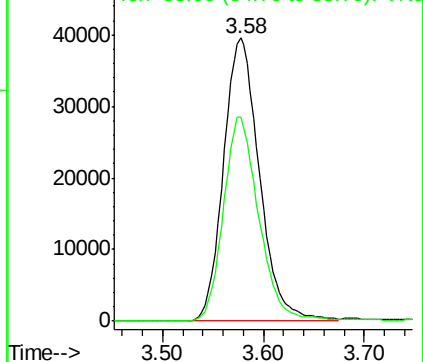
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.928 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

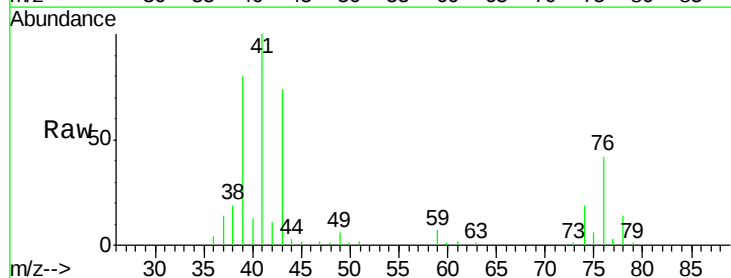
Tgt Ion: 41 Resp: 141771

Ion Ratio Lower Upper

41 100

39 80.1 67.8 101.8

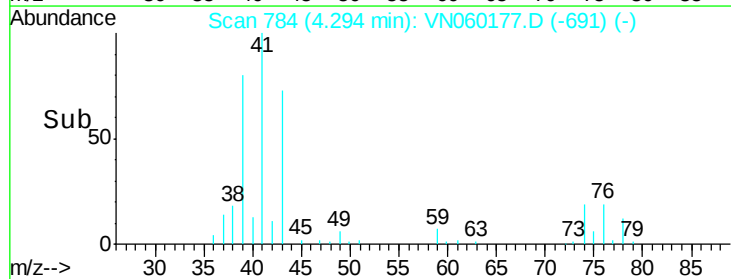
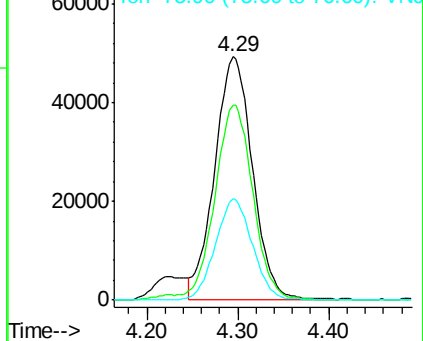
76 40.8 33.9 50.9

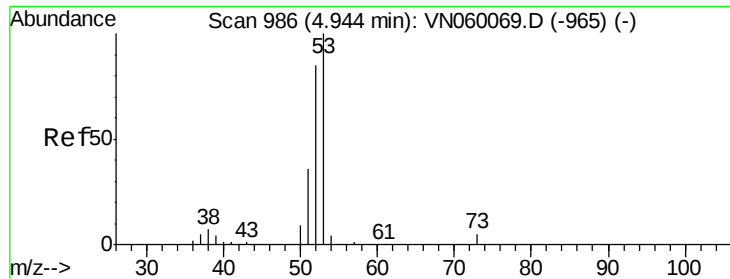


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 267.865 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

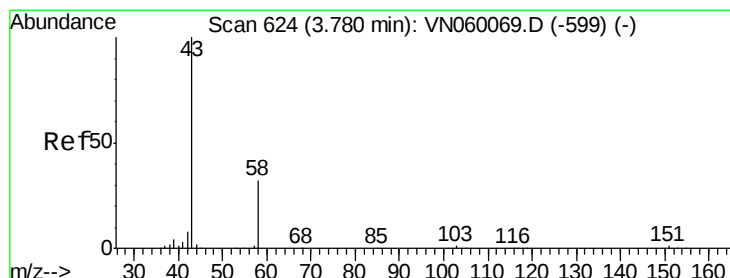
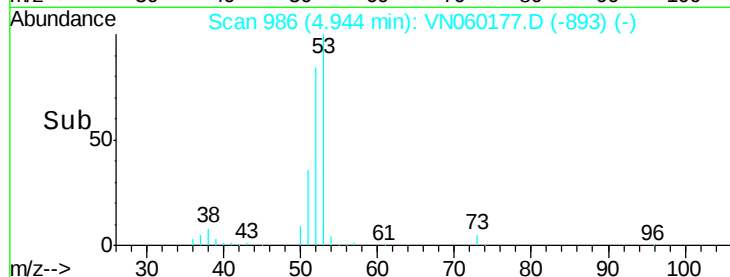
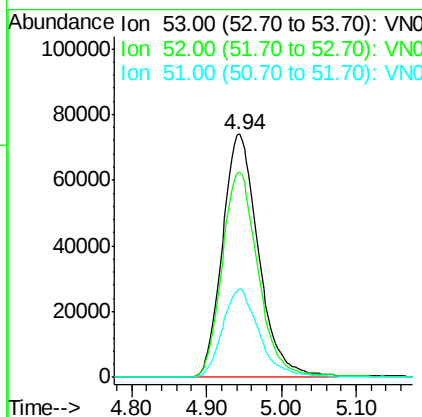
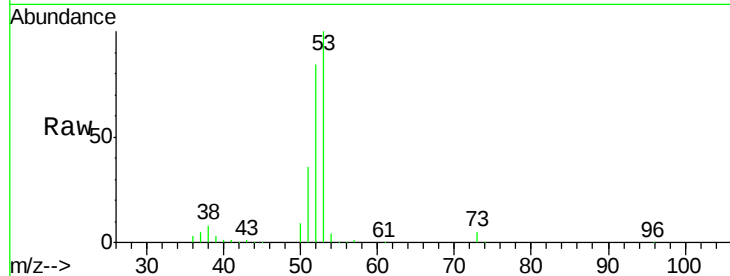
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	248030
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.8	100.2
51	36.7	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 225.392 ug/l

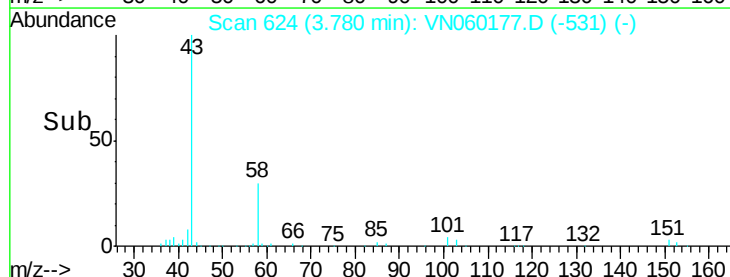
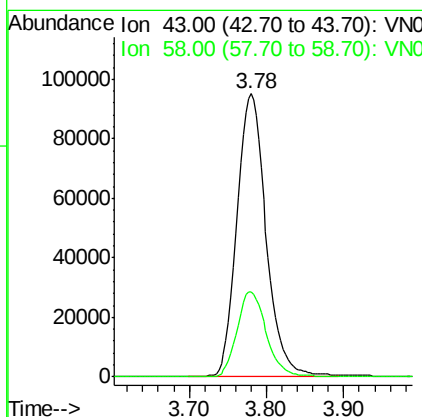
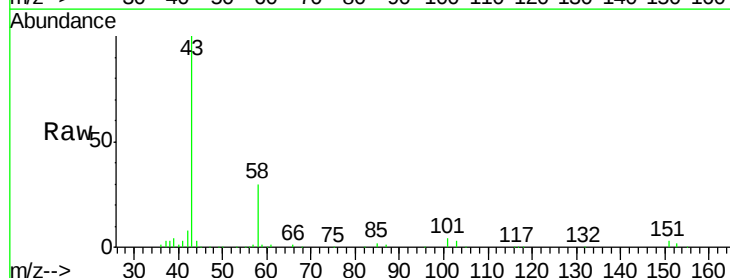
RT: 3.78 min Scan# 624

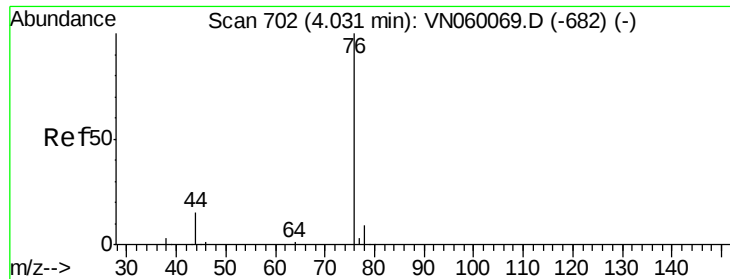
Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Tgt Ion:	43	Resp:	249101
Ion	Ratio	Lower	Upper
43	100		
58	30.2	25.2	37.8





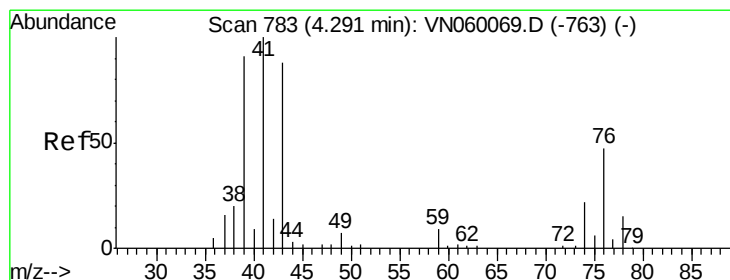
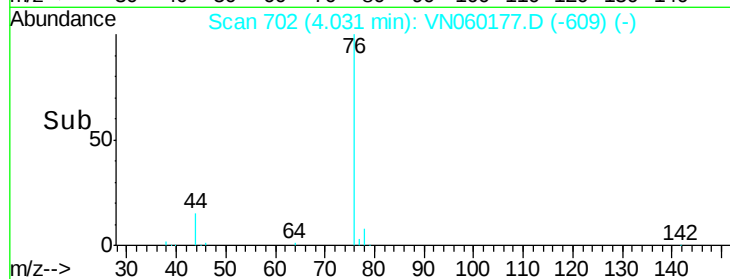
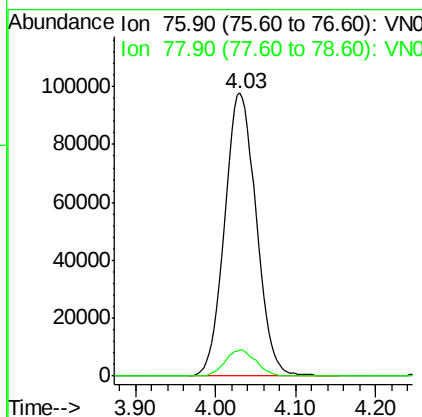
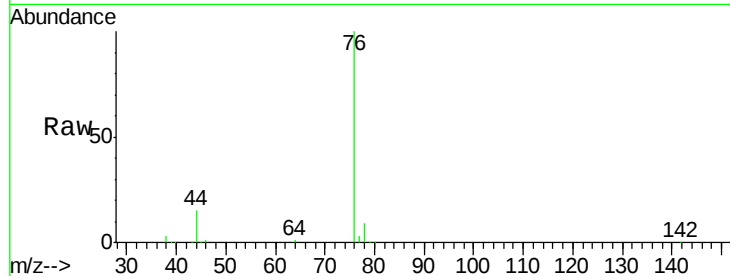
#17
Carbon Disulfide
Concen: 44.321 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

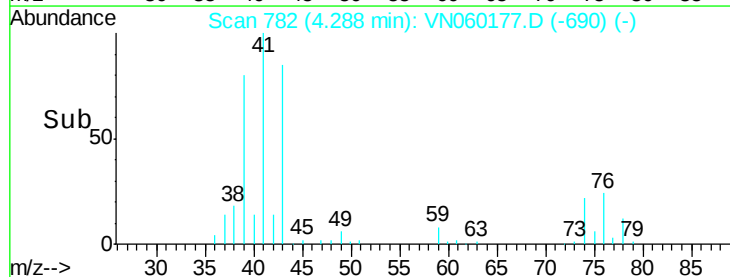
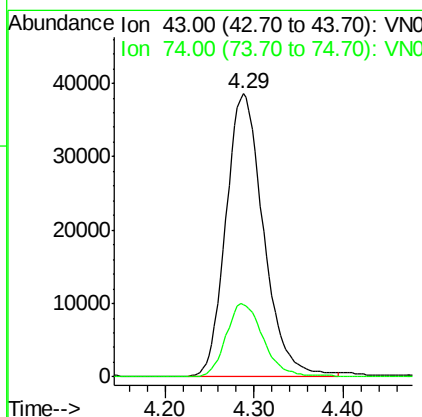
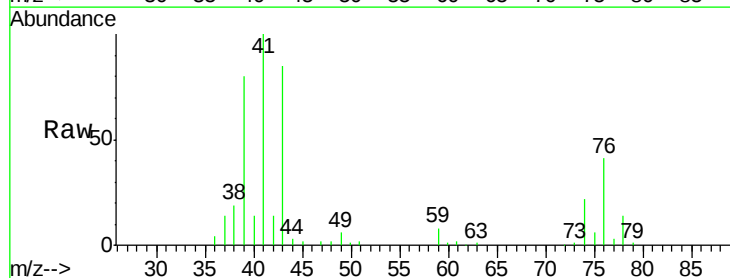
Manual Integrations
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#18
Methyl Acetate
Concen: 54.397 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.3	30.5





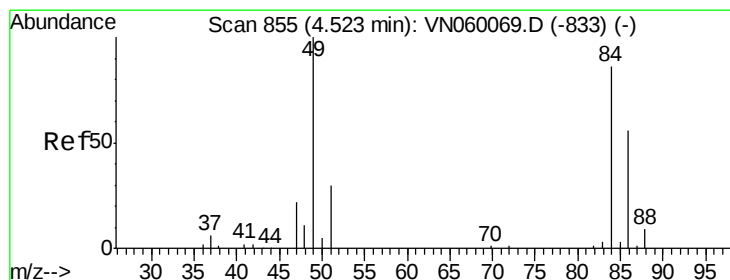
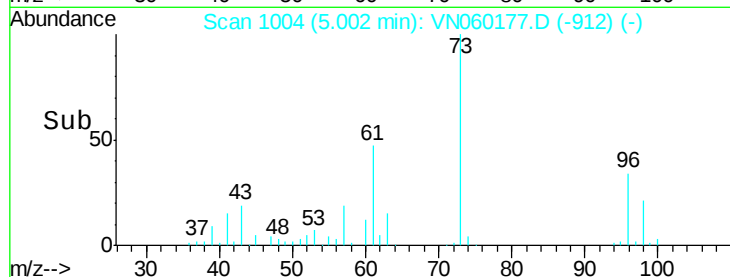
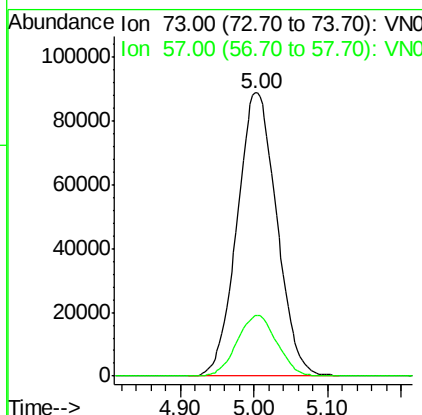
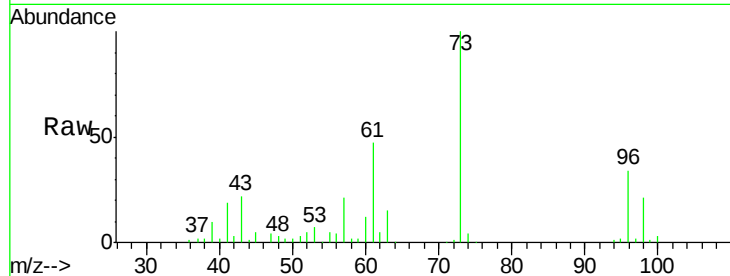
#19
Methvl tert-butvl Ether
Concen: 50.249 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 332673
Ion Ratio Lower Upper
73 100
57 21.3 17.2 25.8

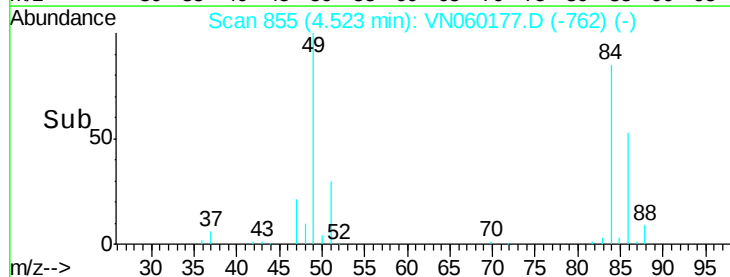
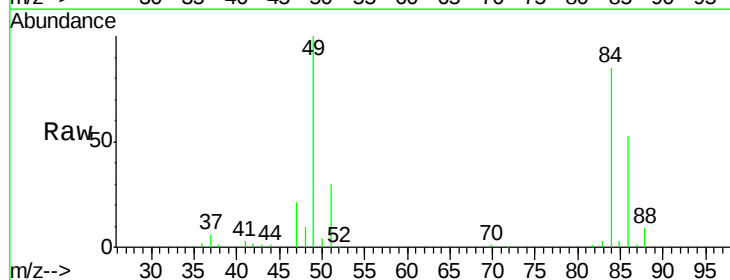
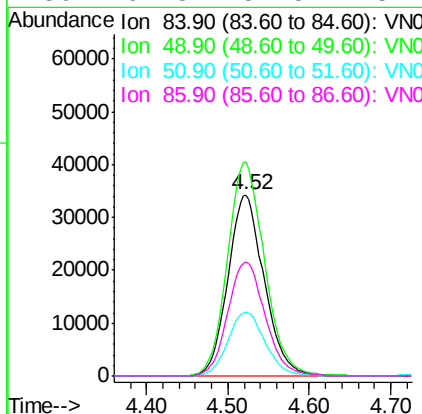
Manual Integrations
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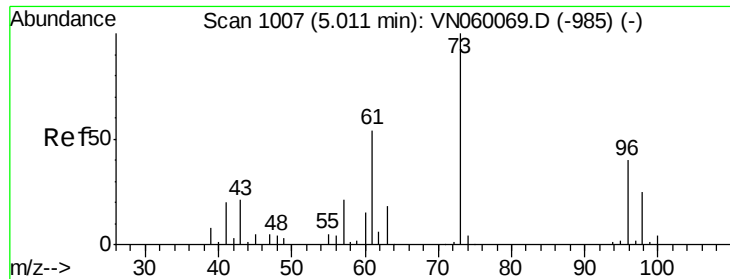
MMDadoda
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#20
Methylene Chloride
Concen: 48.200 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion: 84 Resp: 106277
Ion Ratio Lower Upper
84 100
49 118.1 93.4 140.0
51 35.2 28.4 42.6
86 62.8 52.5 78.7





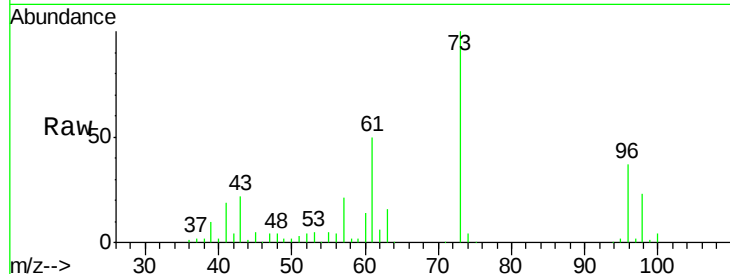
#21
trans-1,2-Dichloroethene
Concen: 48.372 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	109.3	163.9
98	63.3	51.0	76.6

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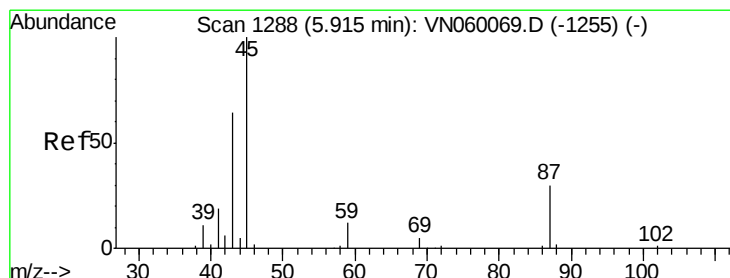
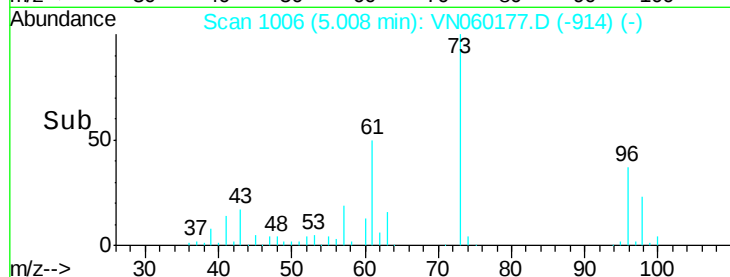
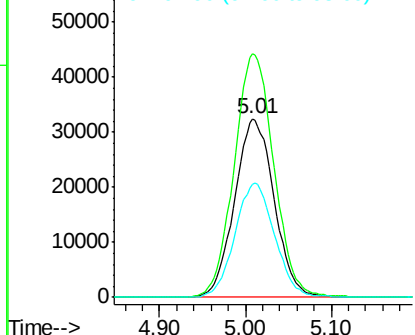


Abundance

Ion 95.90 (95.60 to 96.60): VN060177.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN060177.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN060177.D (-914) (-)



#22
Diisopropyl ether
Concen: 51.450 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.3	55.9	83.9
87	30.4	24.5	36.7
59	12.1	9.9	14.9

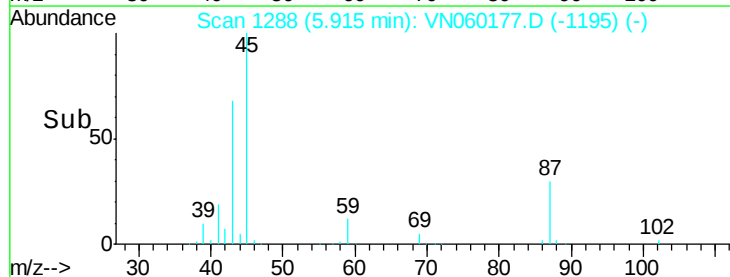
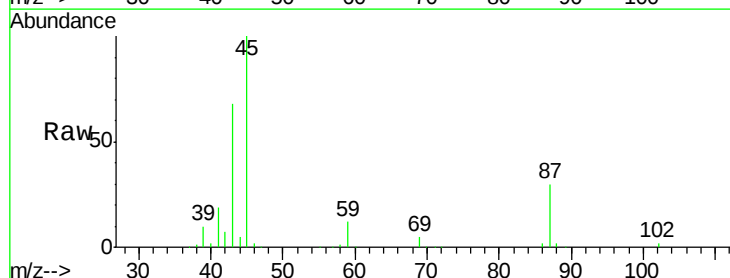
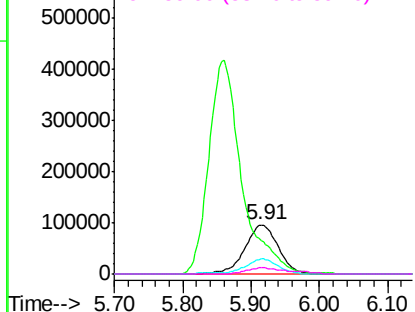
Abundance

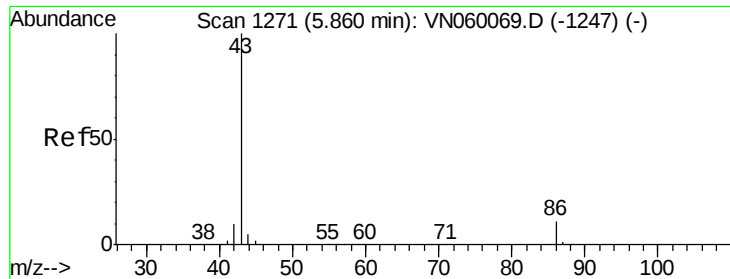
Ion 45.00 (44.70 to 45.70): VN060177.D (-1195) (-)

Ion 43.00 (42.70 to 43.70): VN060177.D (-1195) (-)

Ion 87.00 (86.70 to 87.70): VN060177.D (-1195) (-)

Ion 59.00 (58.70 to 59.70): VN060177.D (-1195) (-)





#23

Vinyl Acetate

Concen: 262.898 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1401975

Ion Ratio Lower Upper

43 100

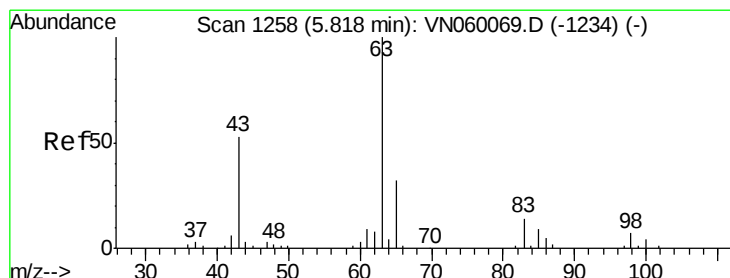
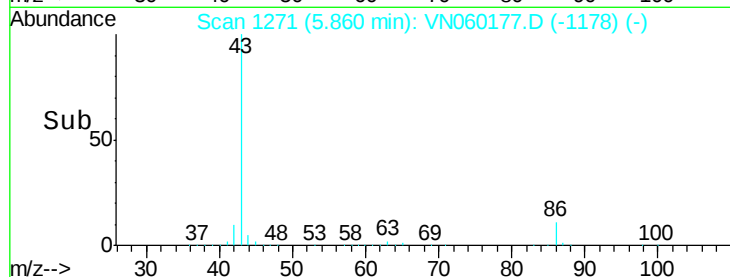
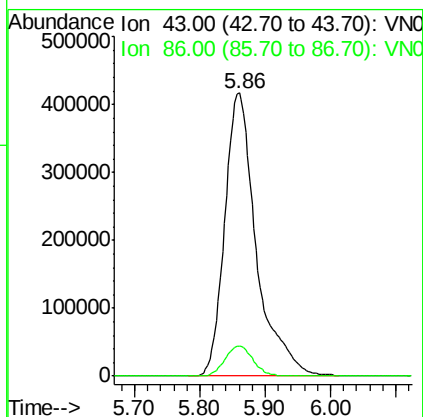
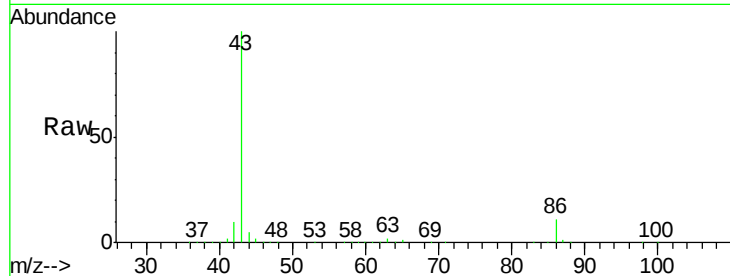
86 10.6 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 48.943 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

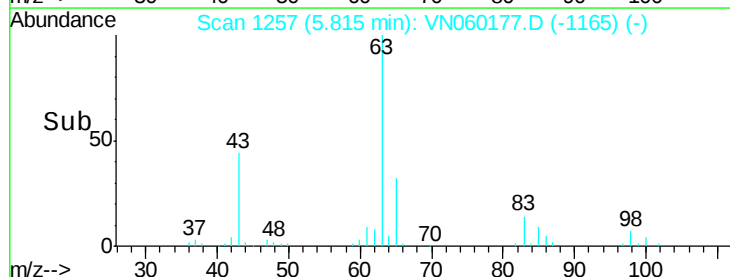
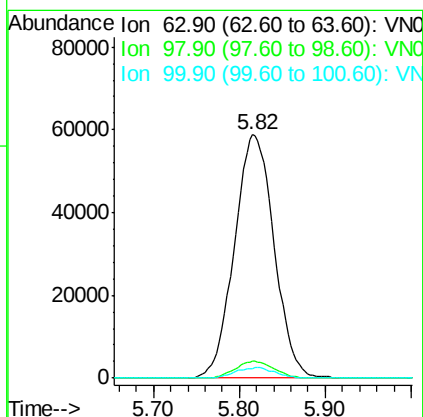
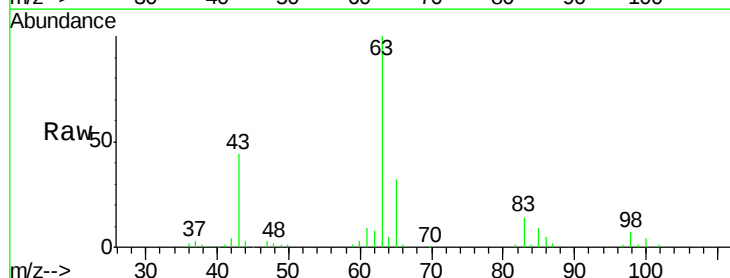
Tgt Ion: 63 Resp: 188279

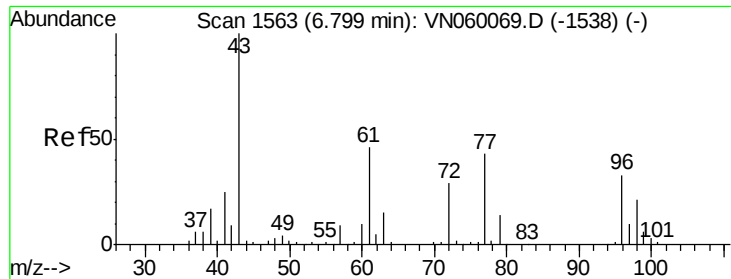
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.1 2.2 6.6





#25

2-Butanone

Concen: 253.322 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 352111

Ion Ratio Lower Upper

43 100

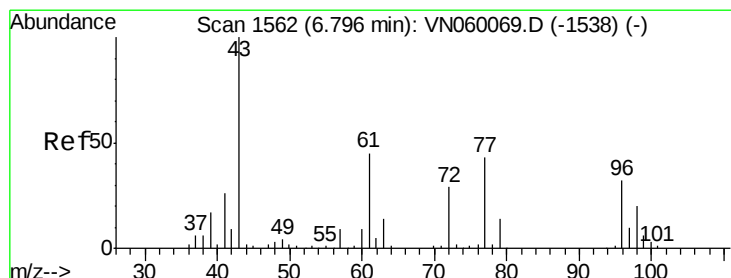
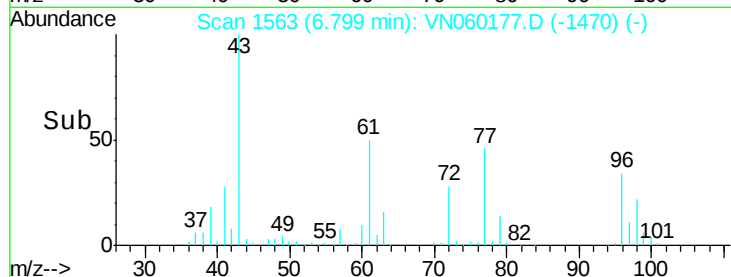
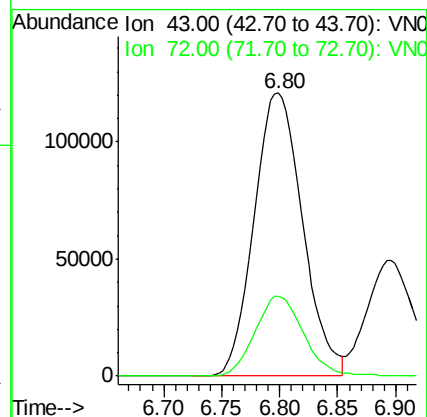
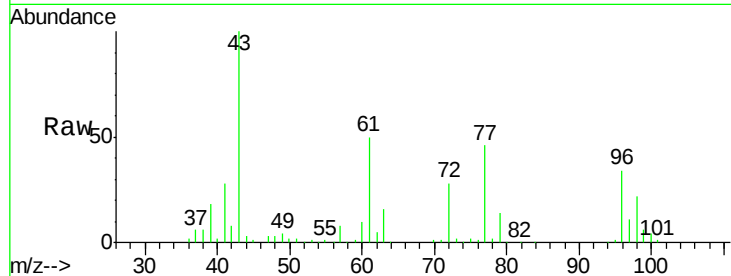
72 28.3 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.777 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060177.D

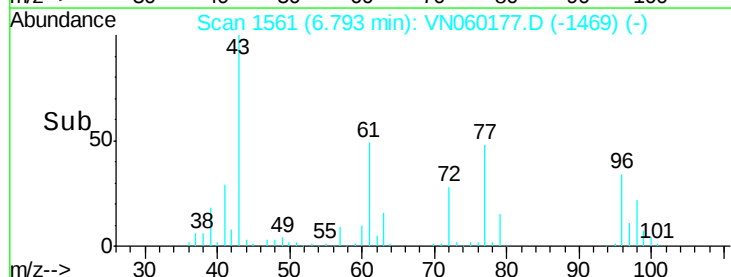
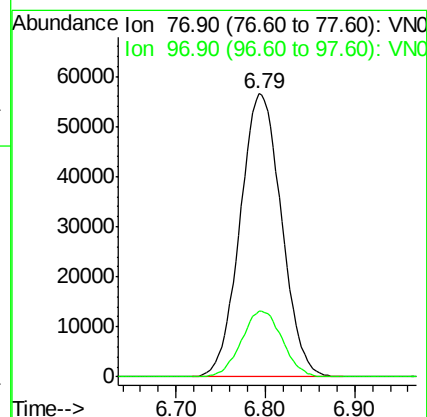
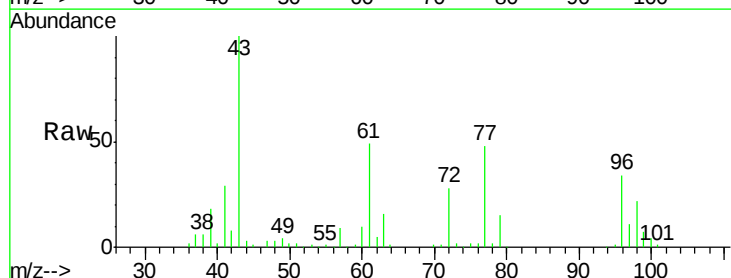
Acq: 20 Feb 2020 17:14

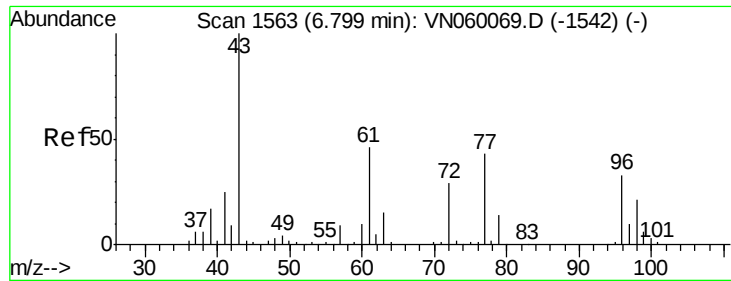
Tgt Ion: 77 Resp: 181879

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2





#27

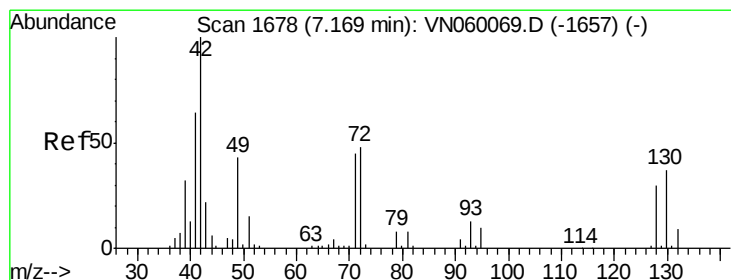
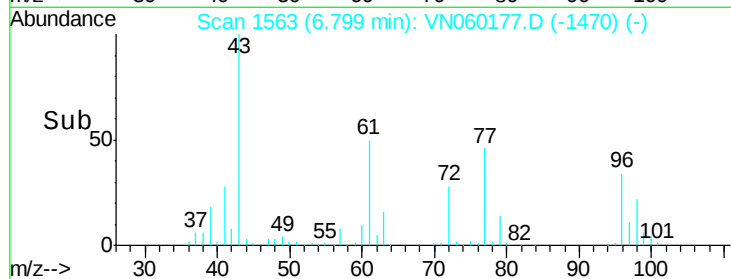
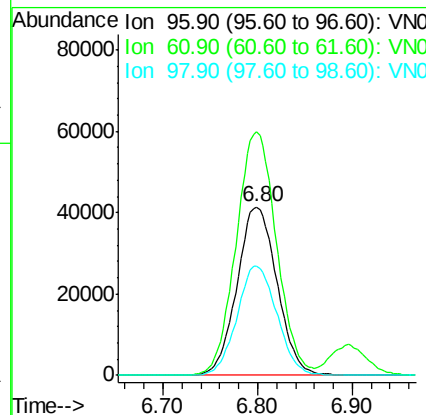
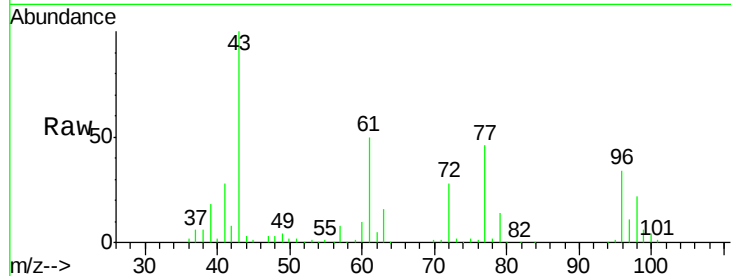
cis-1,2-Dichloroethene
Concen: 48.442 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	121662		
61	146.0	0.0	285.8	
98	64.6	0.0	129.6	

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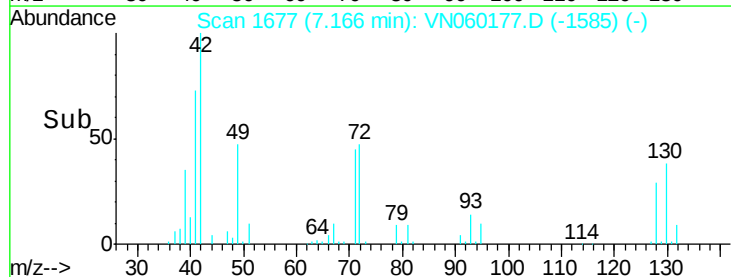
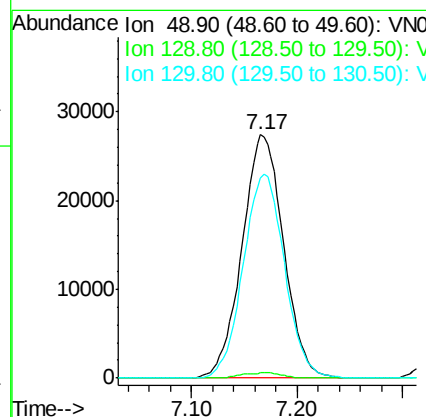
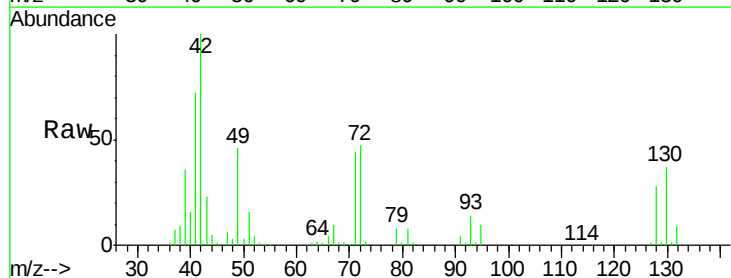
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2/21/2020 9:15:09 AM

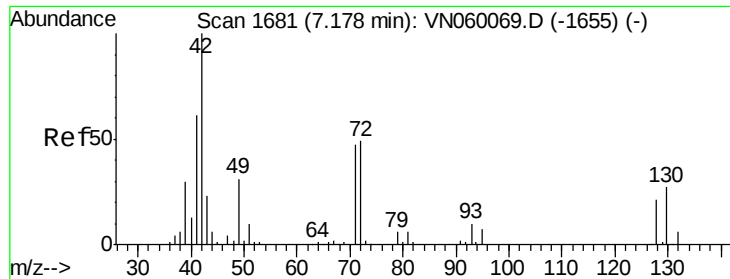


#28

Bromochloromethane
Concen: 49.570 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	74968		
129	2.1	0.0	2.2	
130	83.6	66.8	100.2	





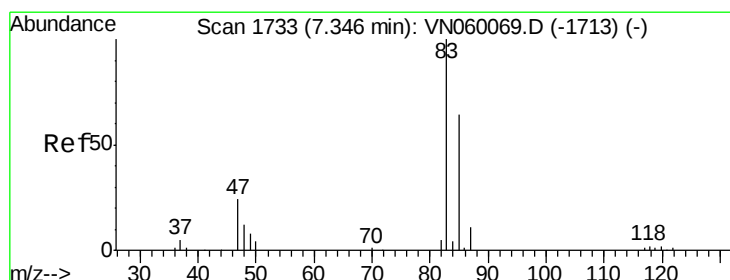
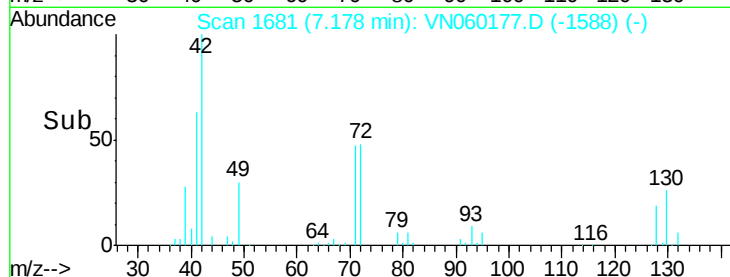
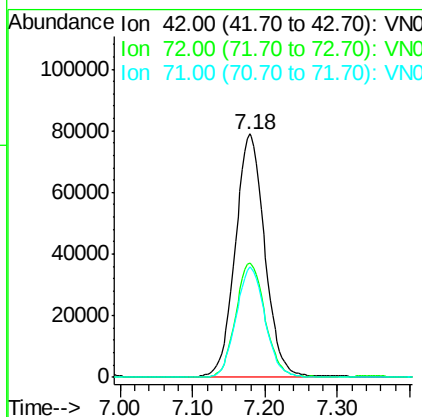
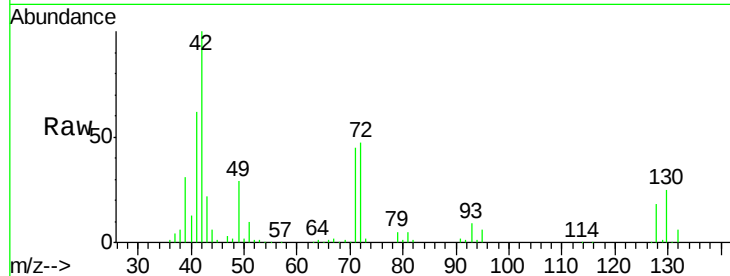
#29
Tetrahydrofuran
Concen: 263.120 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	38.2	57.4
71	44.2	36.6	54.8

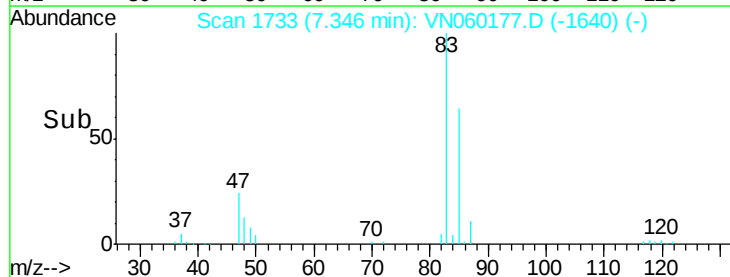
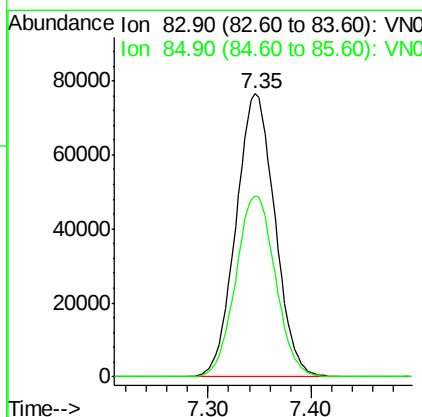
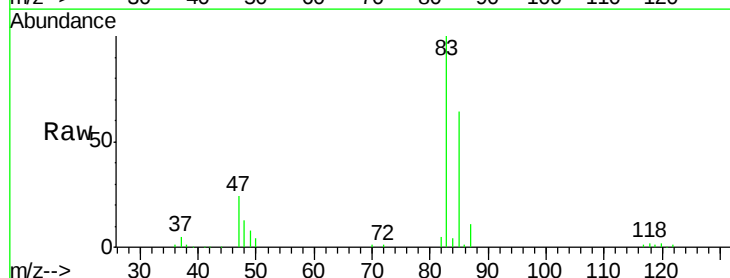
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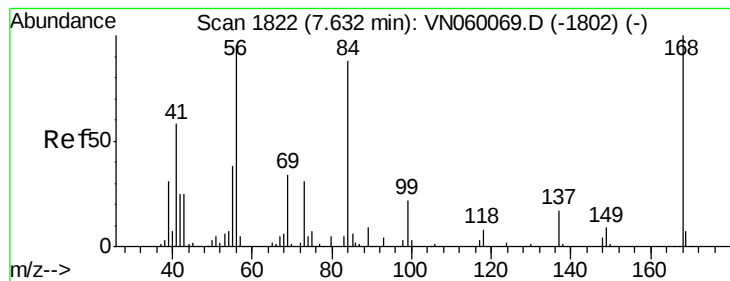
MMDadoda
2/21/2020 9:15:09 AM



#30
Chloroform
Concen: 49.784 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.0





#31

Cyclohexane

Concen: 46.643 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 167146

Ion Ratio Lower Upper

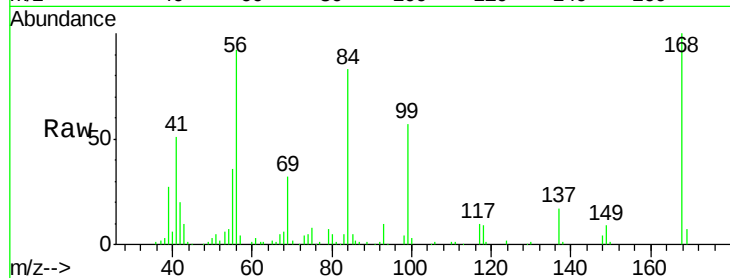
56 100

69 34.9 28.3 42.5

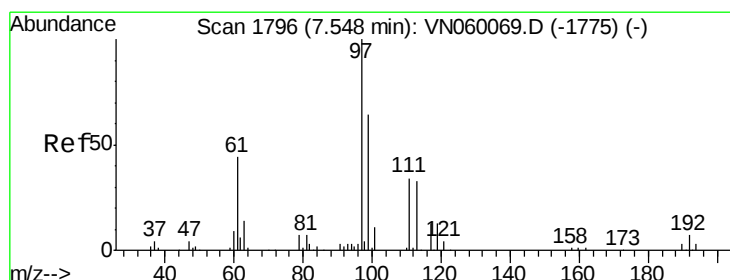
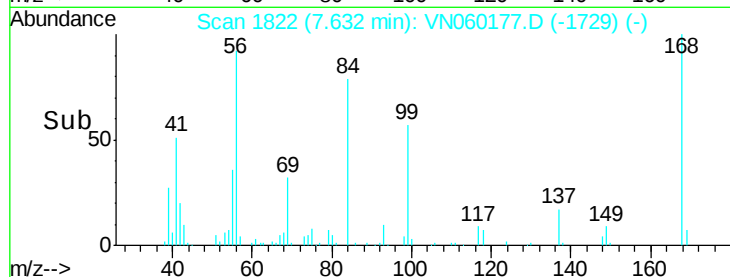
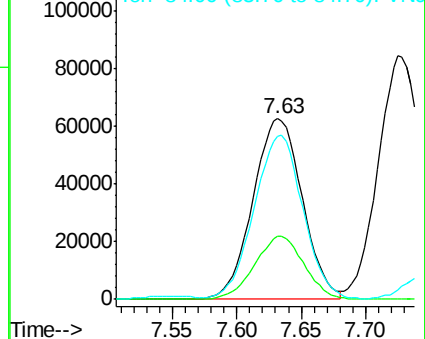
84 89.2 72.6 108.8

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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 49.839 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

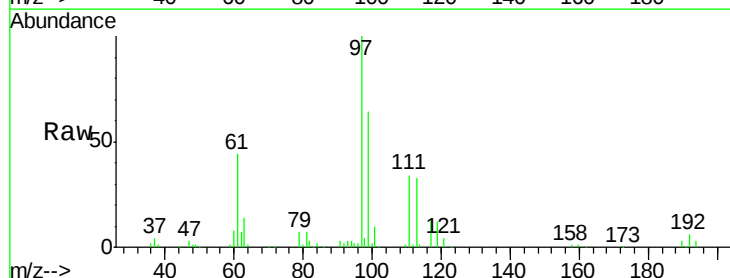
Tgt Ion: 97 Resp: 183534

Ion Ratio Lower Upper

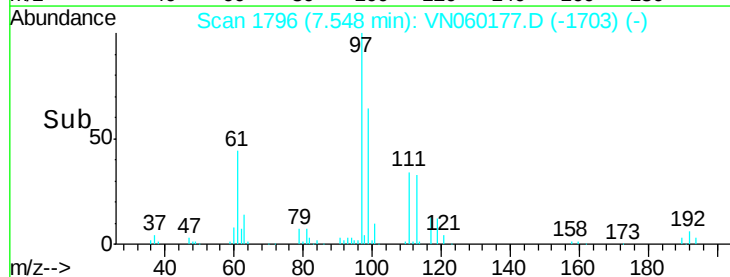
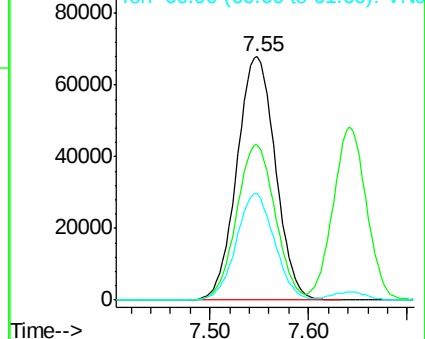
97 100

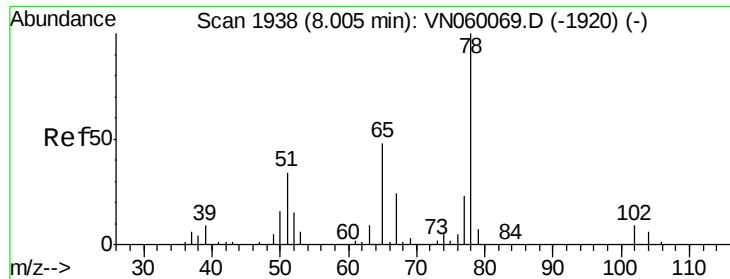
99 64.0 51.4 77.0

61 43.4 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





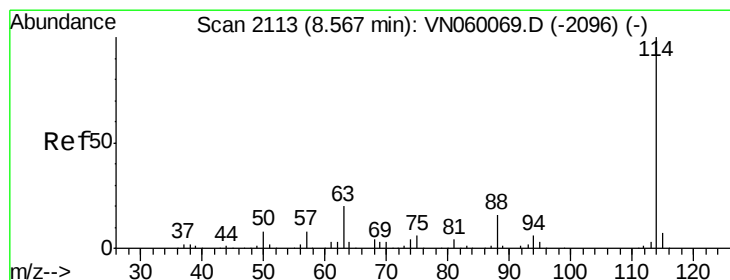
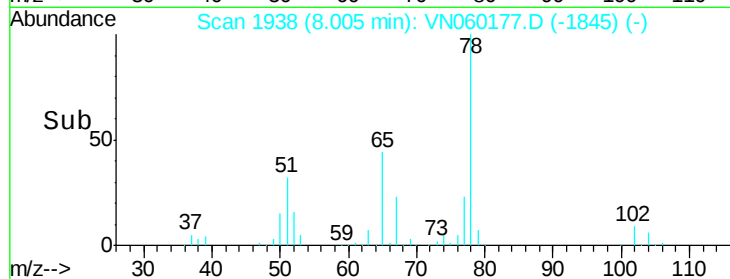
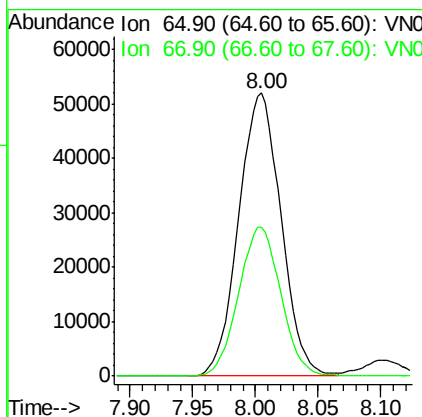
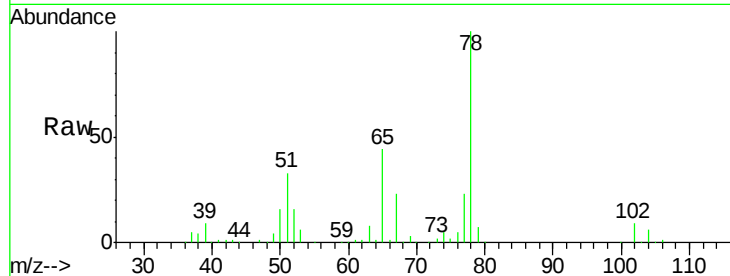
#33
 1,2-Dichloroethane-d4
 Concen: 48.341 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	122482		
67	52.4	0.0	104.0	

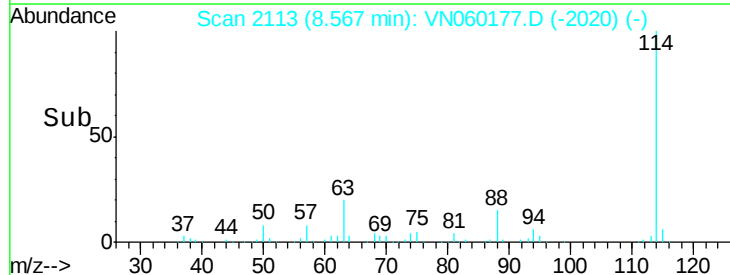
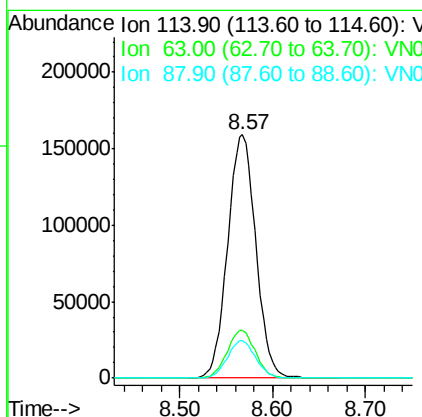
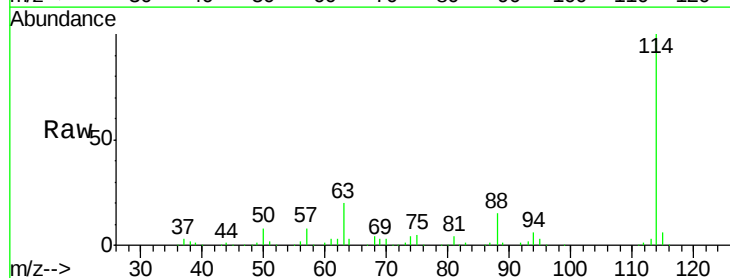
Manual Integrations
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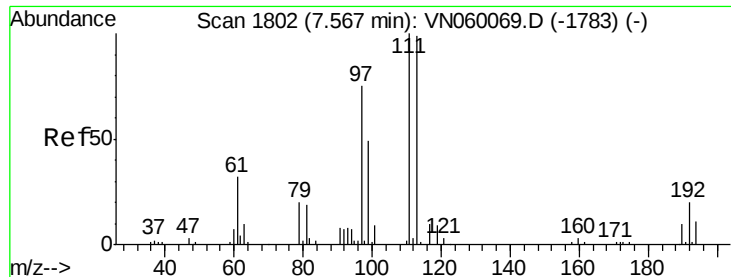
MMDadoda
 2/21/2020 9:15:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	334784		
63	19.6	0.0	40.0	
88	15.2	0.0	31.6	





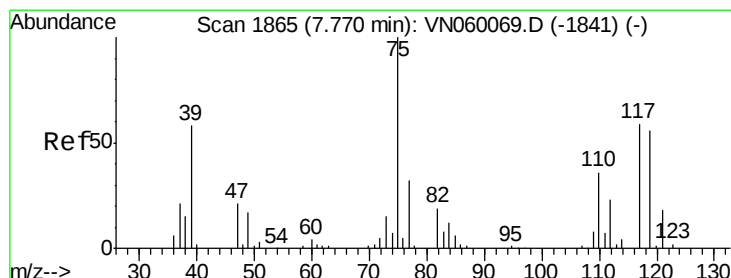
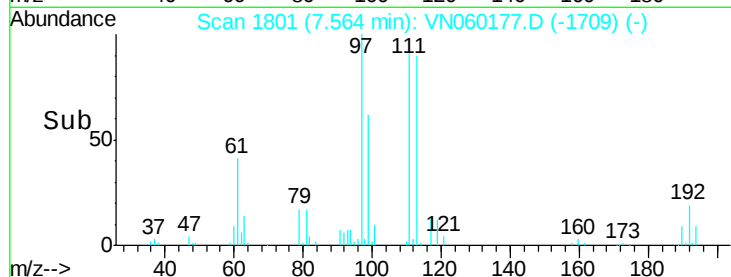
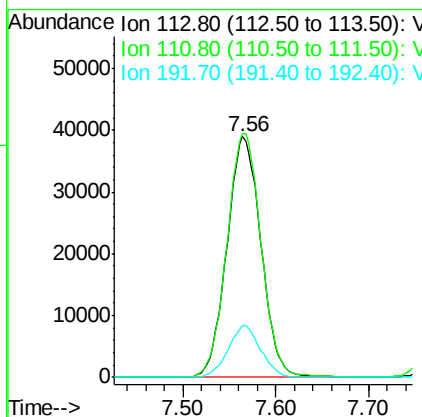
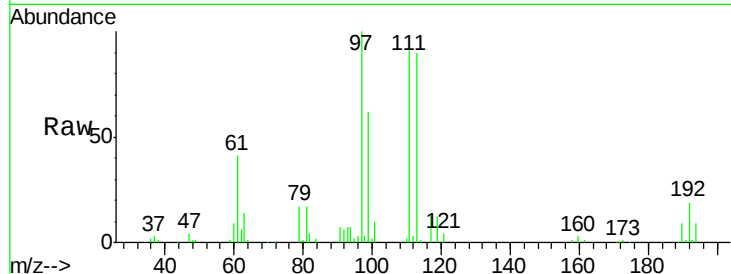
#35
 Dibromofluoromethane
 Concen: 48.108 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.2
192	20.4	16.2	24.2

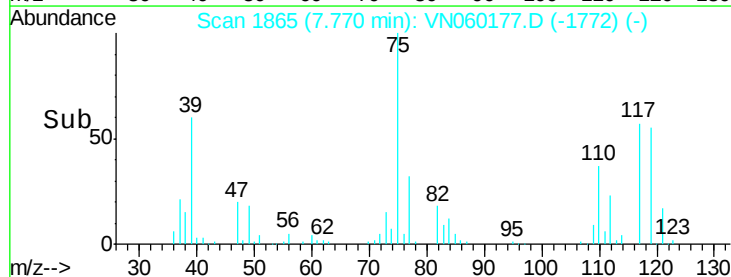
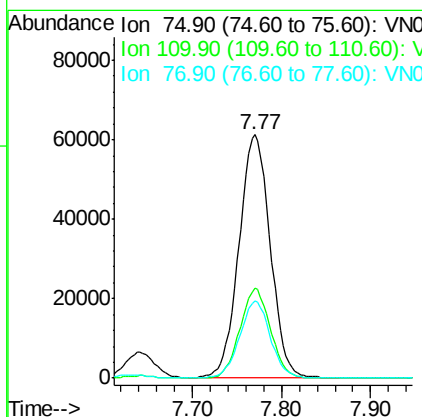
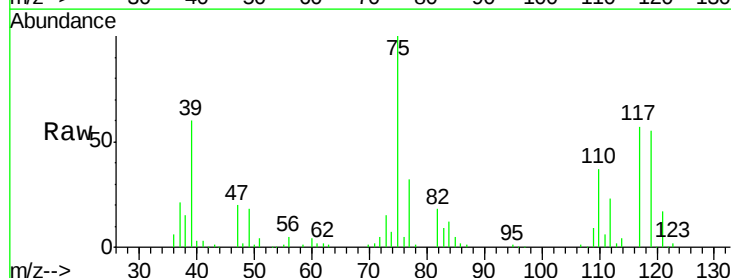
Manual Integrations
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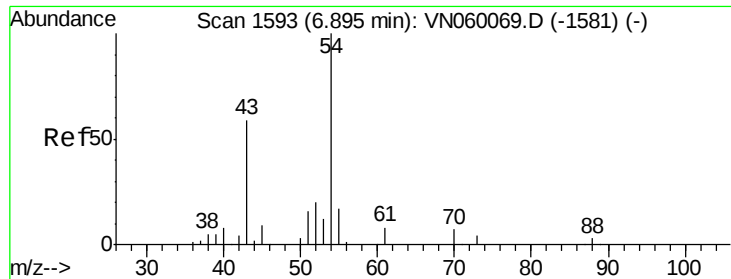
MMDadoda
 2/21/2020 9:15:09 AM



#36
 1,1-Dichloropropene
 Concen: 48.129 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.1	54.3
77	31.0	25.1	37.7





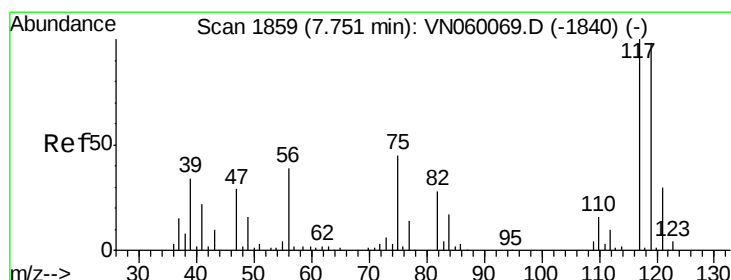
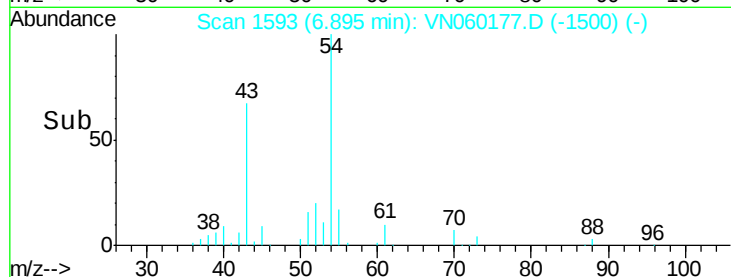
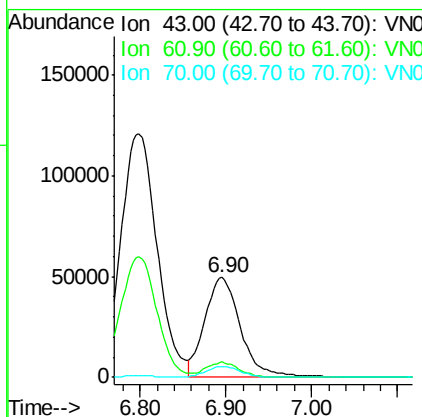
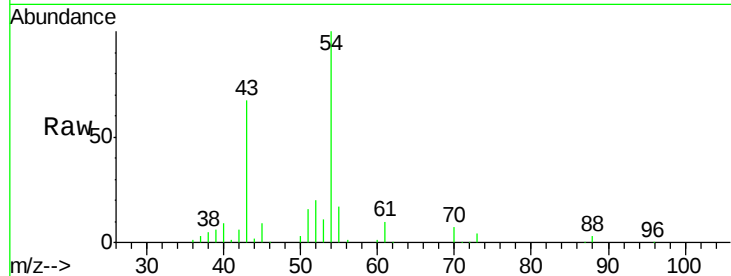
#37
Ethyl Acetate
Concen: 50.385 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	141204		
Ratio	100	14.7	10.8
Lower		11.4	8.7
Upper		17.2	13.1

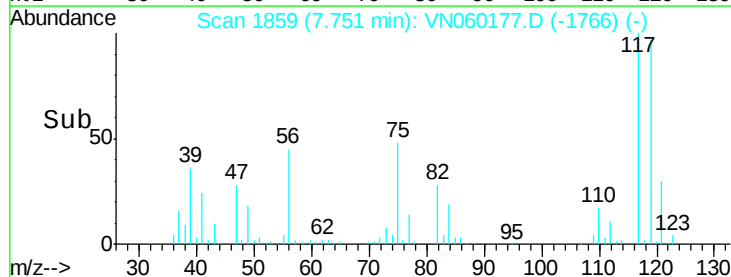
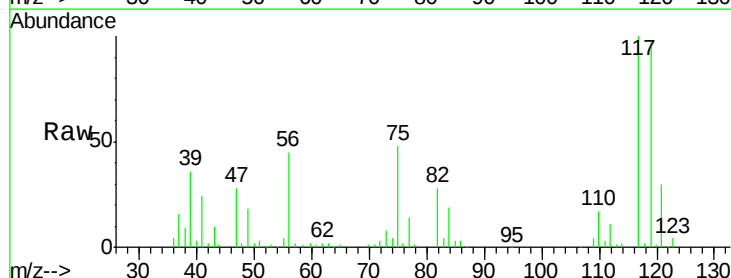
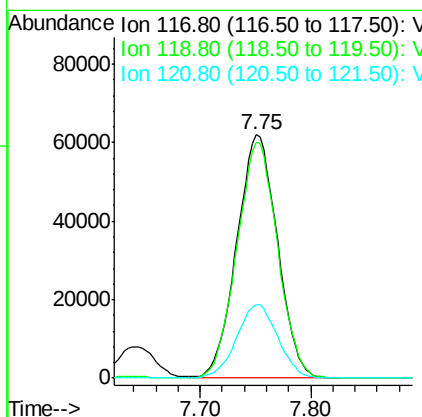
Manual Integrations
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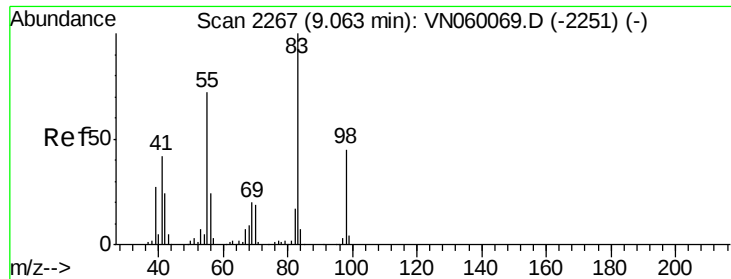
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.077 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	117	119	121
Resp	158543		
Ratio	100	97.0	30.2
Lower		78.2	24.2
Upper		117.4	36.2





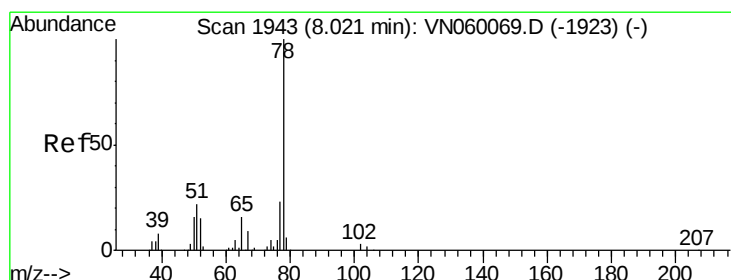
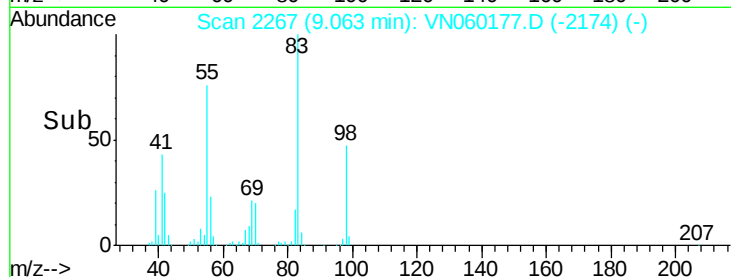
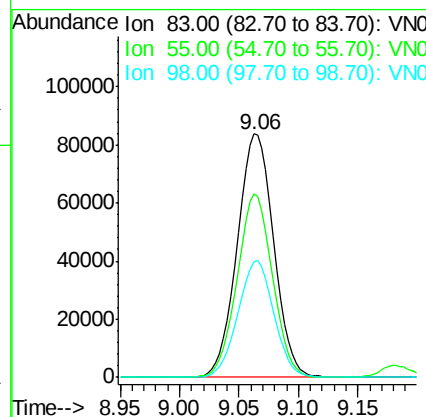
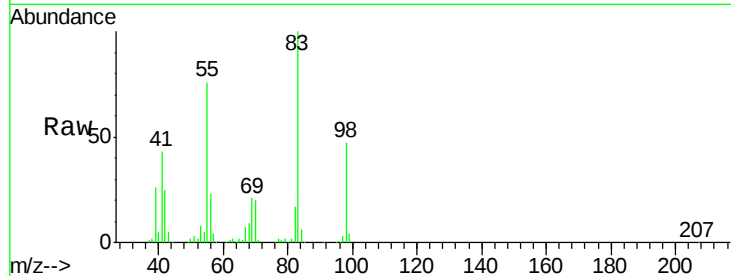
#39
Methvlcvclohexane
Concen: 46.274 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	57.8	86.8
98	47.4	36.4	54.6

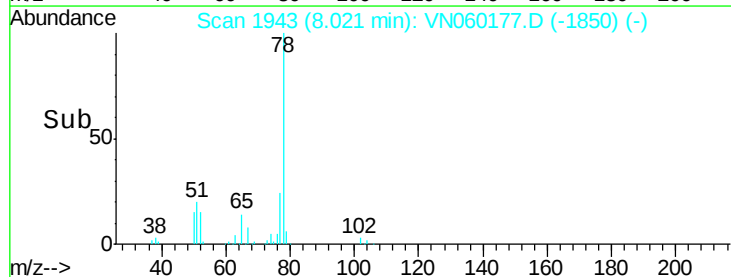
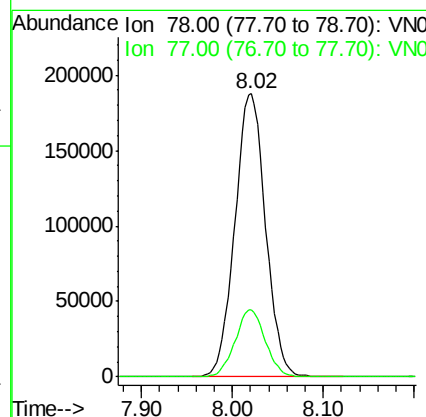
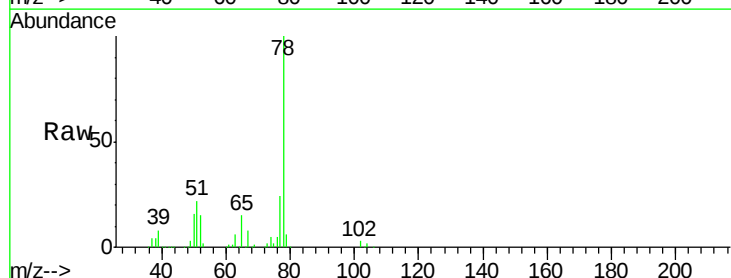
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#40
Benzene
Concen: 47.745 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





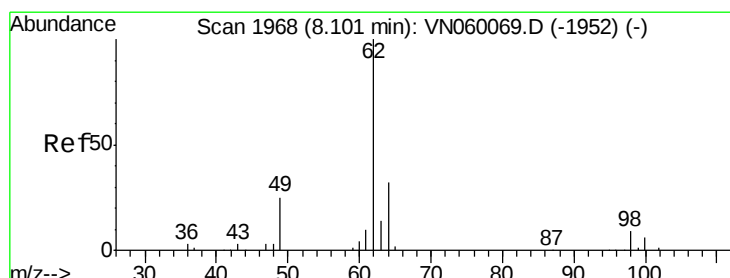
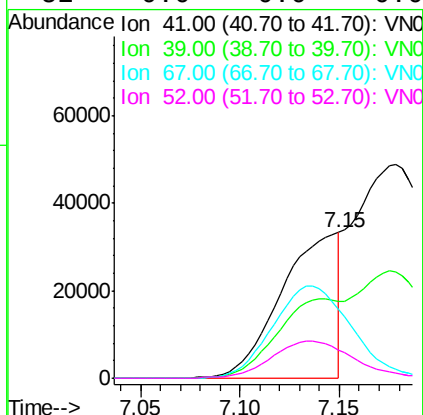
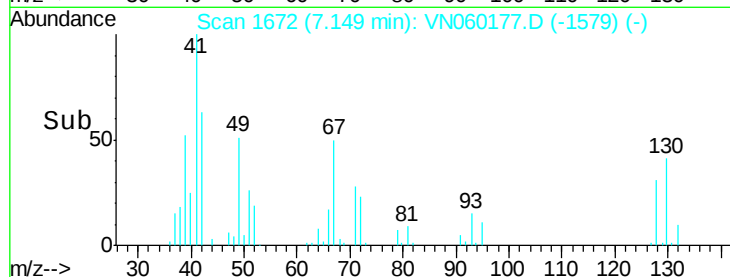
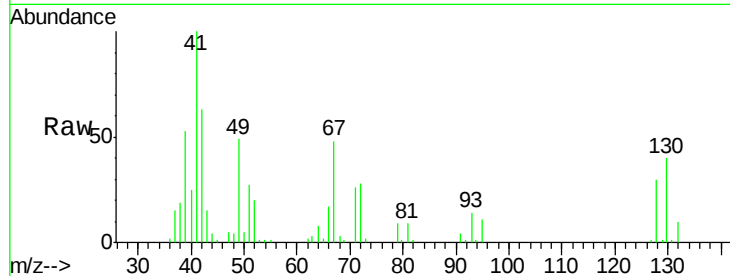
#41
Methacrylonitrile
Concen: 57.069 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	67073
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

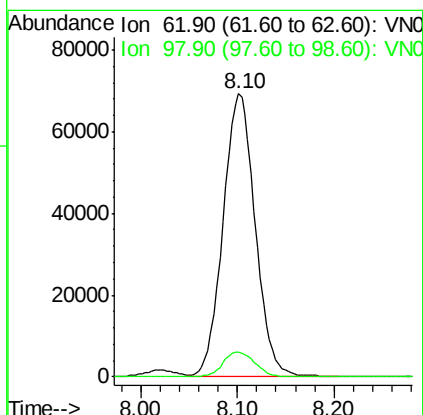
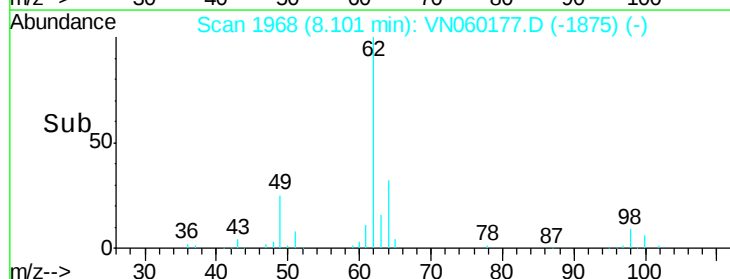
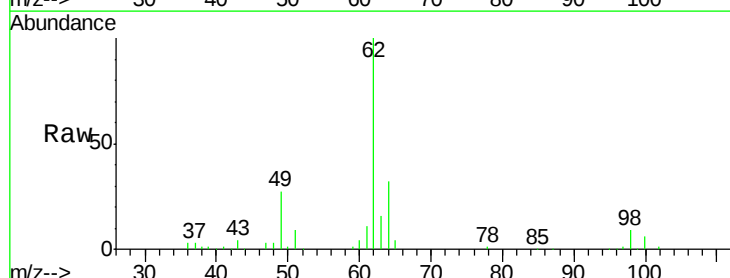
Manual Integrations
APPROVED

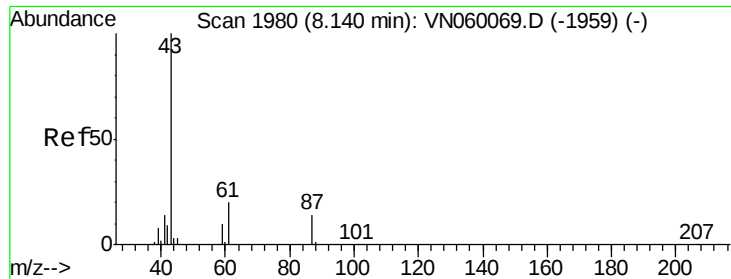
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#42
1,2-Dichloroethane
Concen: 49.726 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	62	Resp	160313
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2





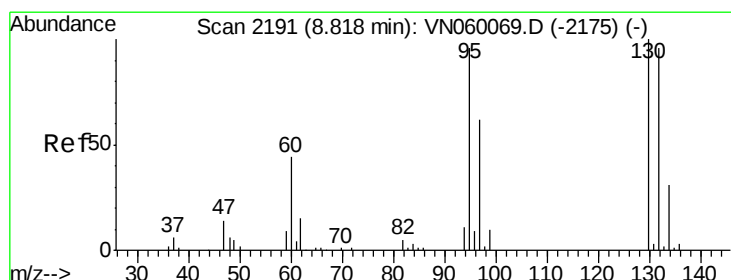
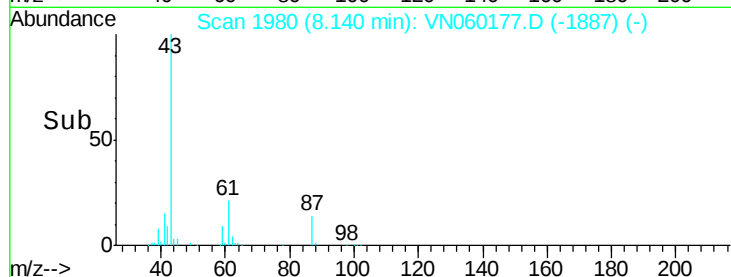
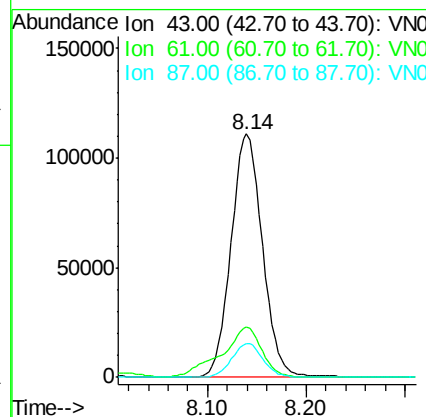
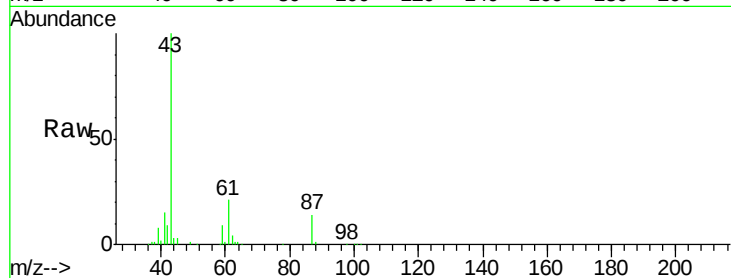
#43
Isopropyl Acetate
Concen: 51.168 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.8	32.6
87	13.8	11.4	17.2

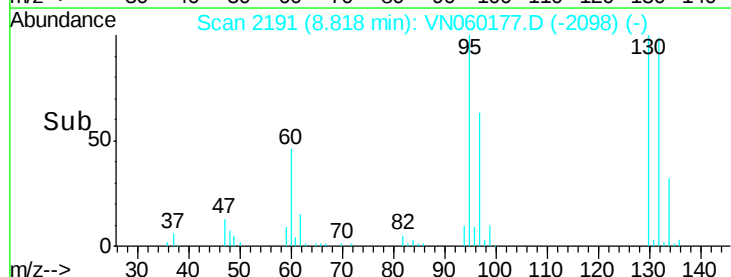
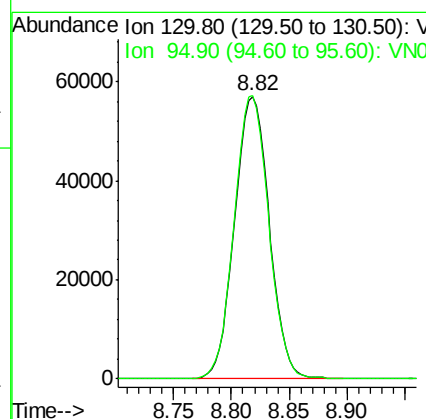
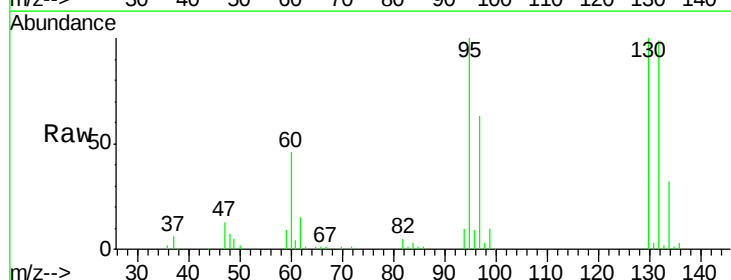
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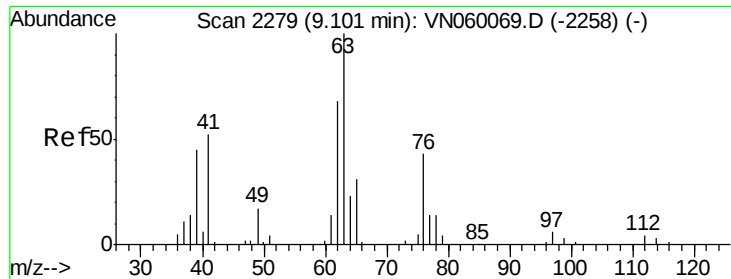
MMDadoda
2/21/2020 9:15:09 AM



#44
Trichloroethene
Concen: 46.463 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	192.4





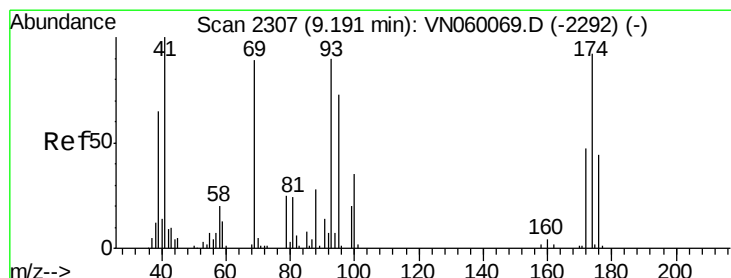
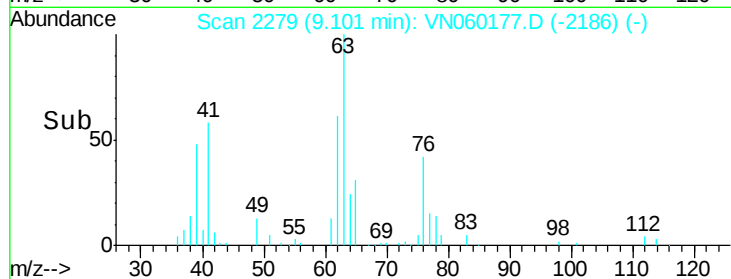
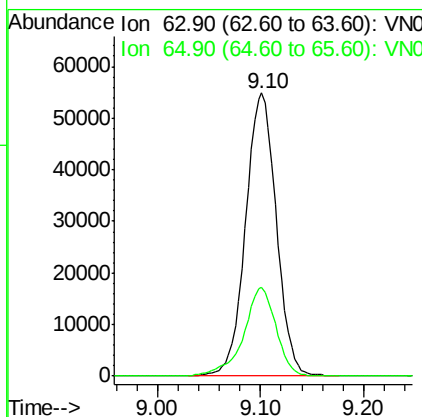
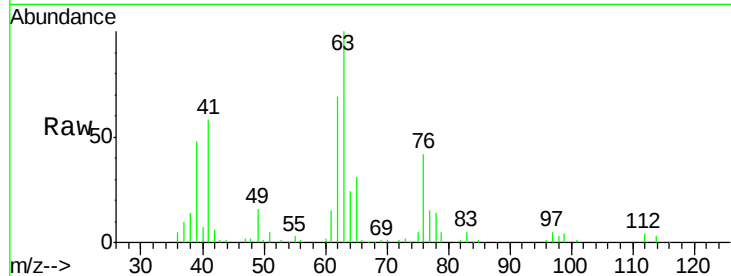
#45
 1,2-Dichloropropane
 Concen: 49.823 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 113462
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.4

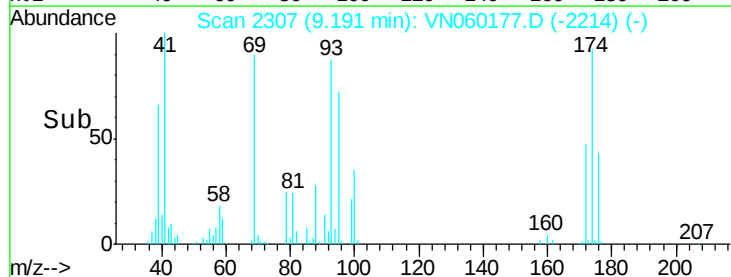
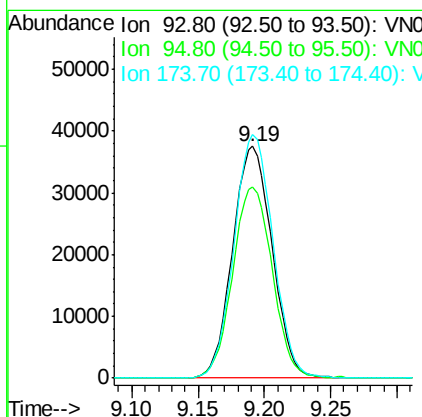
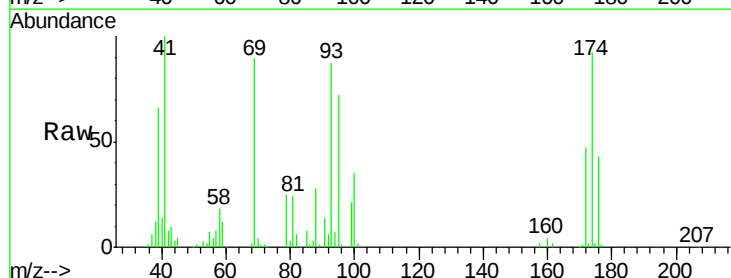
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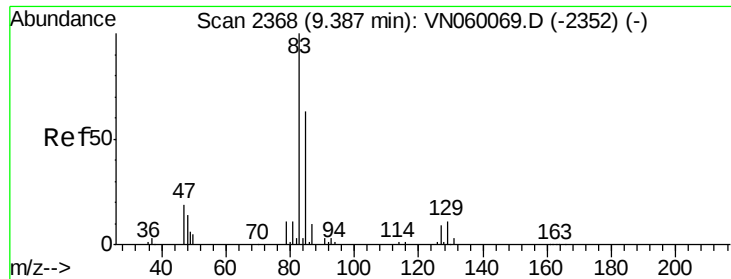
MMDadoda
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#46
 Dibromomethane
 Concen: 48.441 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion: 93 Resp: 77956
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.0 97.6
 174 103.7 82.3 123.5





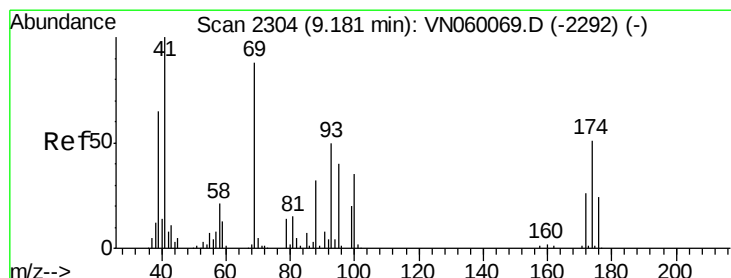
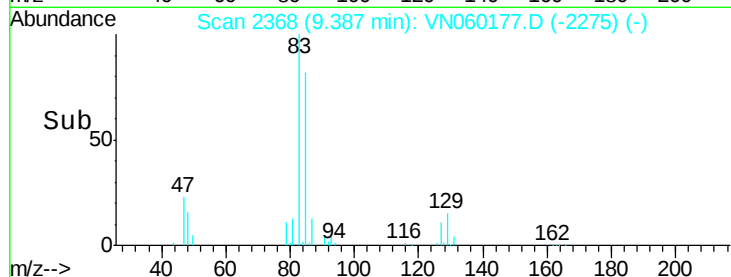
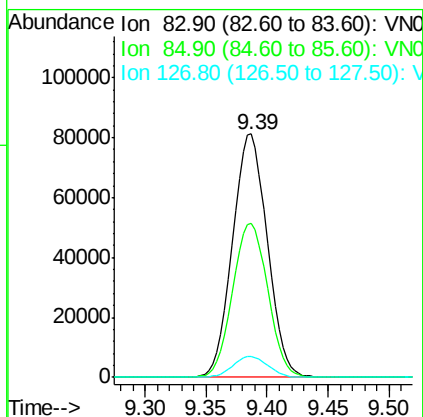
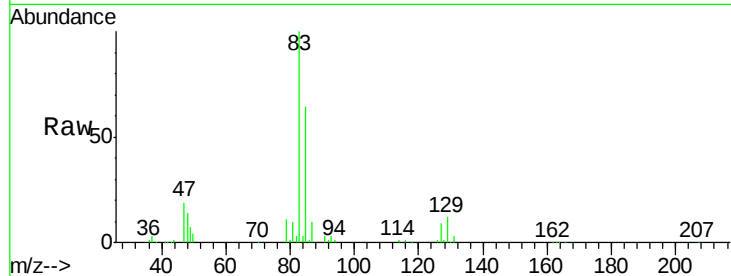
#47
Bromodichloromethane
Concen: 49.141 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	160781
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	50.6	75.8
127	8.8	7.0	10.6

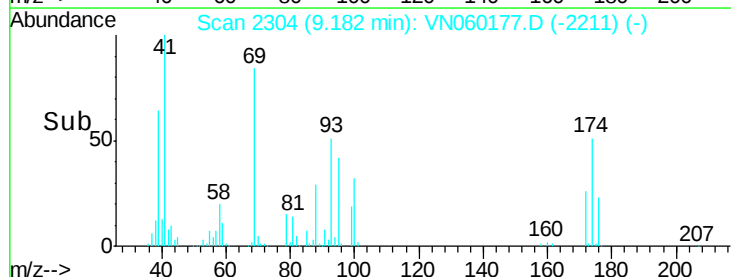
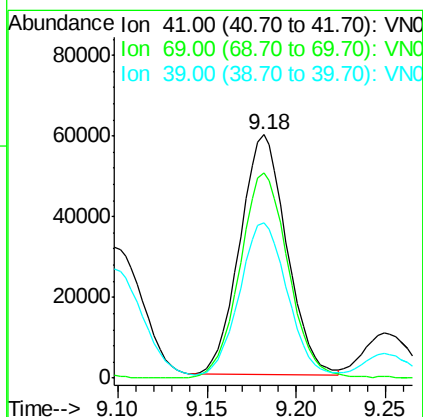
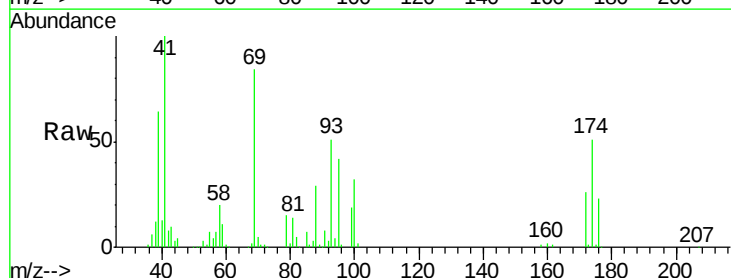
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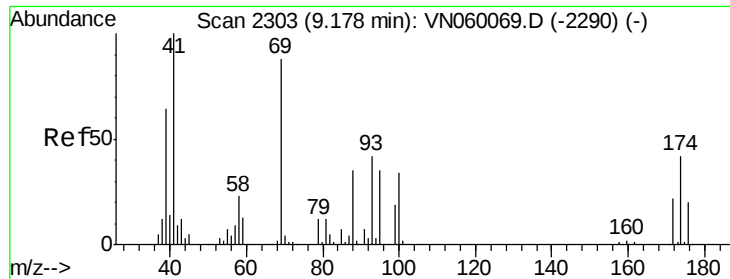
MMDadoda
2/21/2020 9:15:09 AM



#48
Methyl methacrylate
Concen: 51.133 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	41	Resp	109906
Ion Ratio	100	Lower	Upper
41	100		
69	87.8	72.0	108.0
39	66.9	54.1	81.1





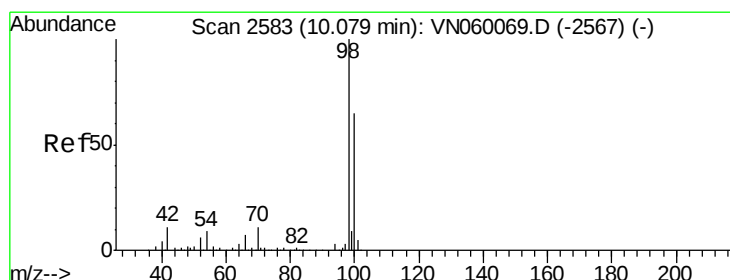
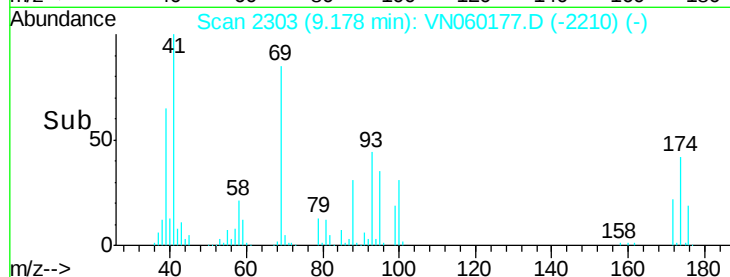
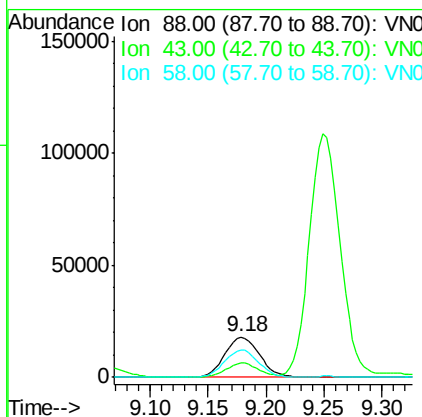
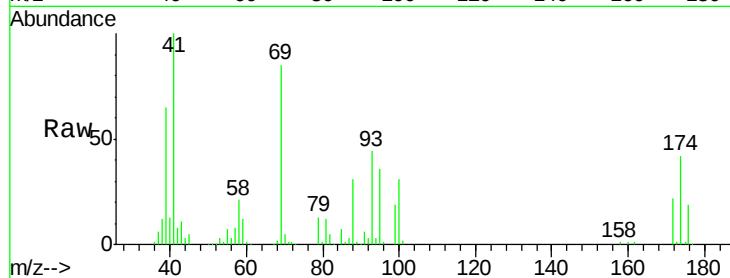
#49
 1,4-Dioxane
 Concen: 1029.008 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	26.2	39.2
58	66.0	53.2	79.8

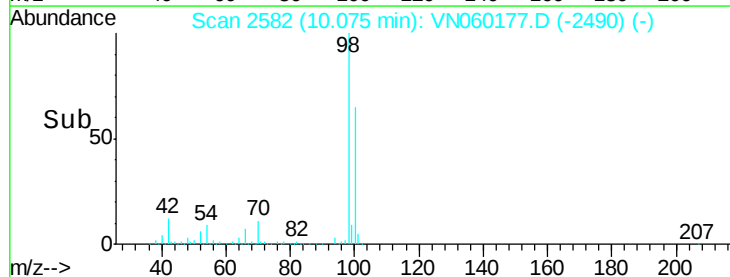
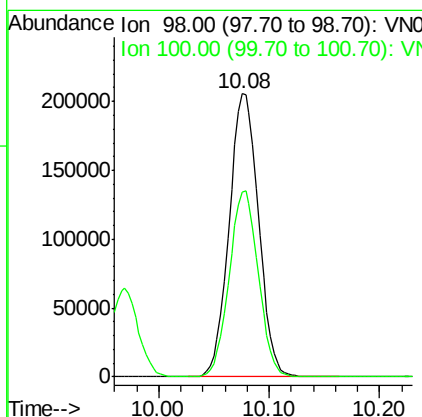
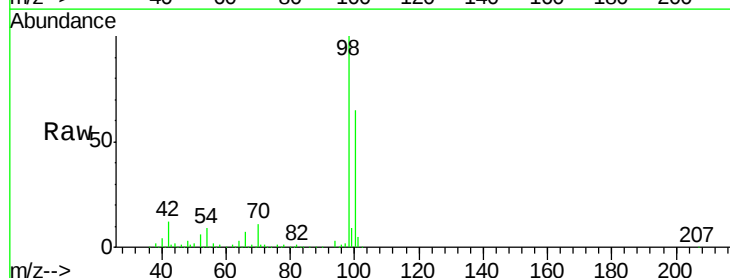
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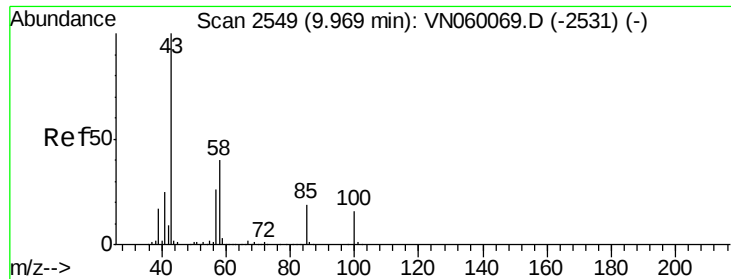
MMDadoda
 2/21/2020 9:15:09 AM



#50
 Toluene-d8
 Concen: 46.898 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 262.085 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 726740

Ion Ratio Lower Upper

43 100

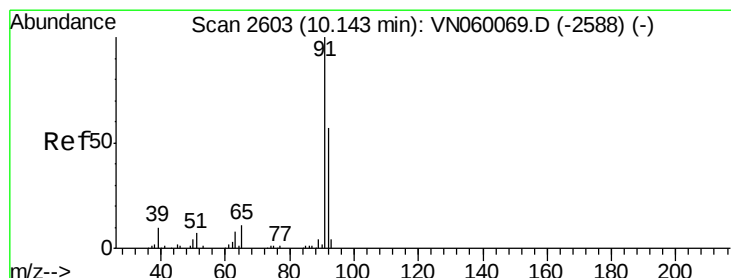
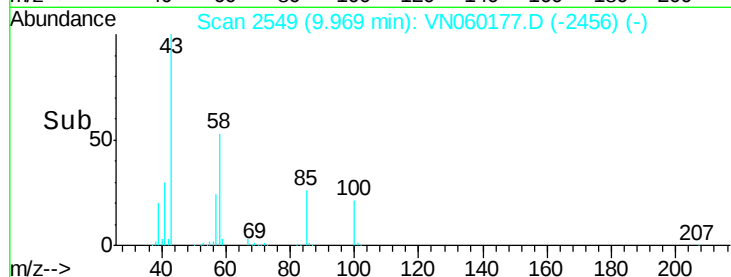
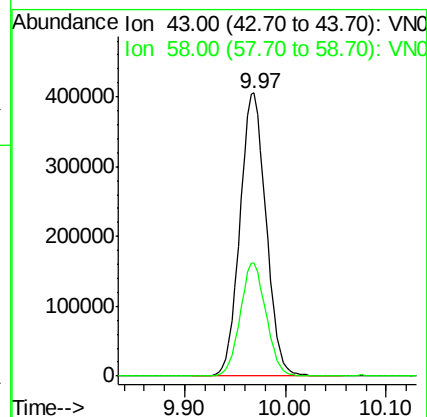
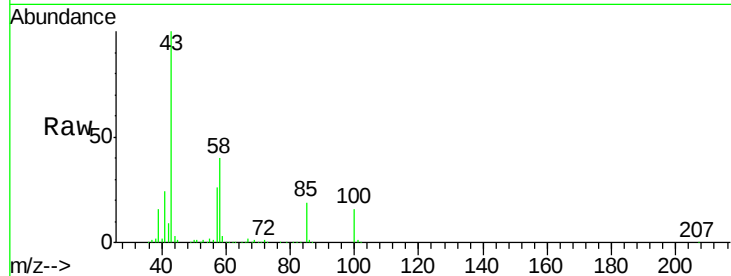
58 39.6 31.8 47.8

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#52

Toluene

Concen: 47.907 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060177.D

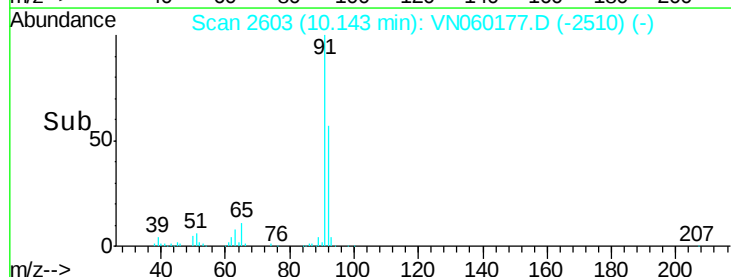
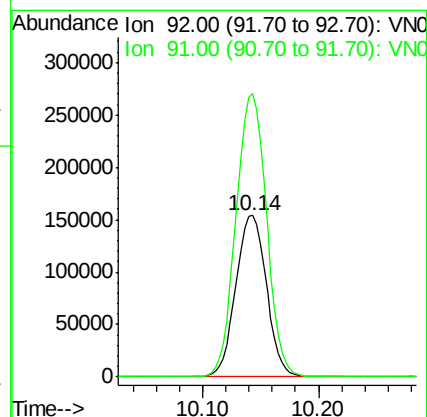
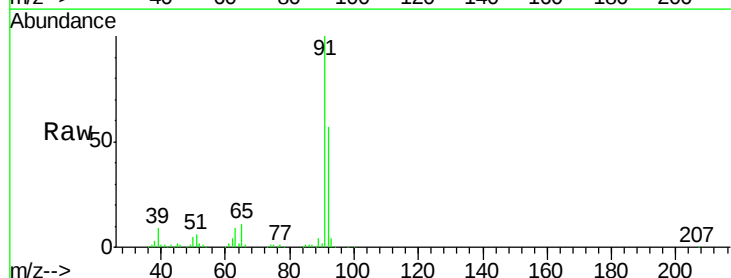
Acq: 20 Feb 2020 17:14

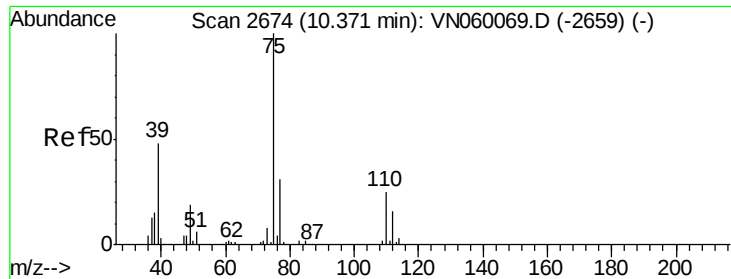
Tgt Ion: 92 Resp: 282585

Ion Ratio Lower Upper

92 100

91 175.1 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 50.426 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 186231

Ion Ratio Lower Upper

75 100

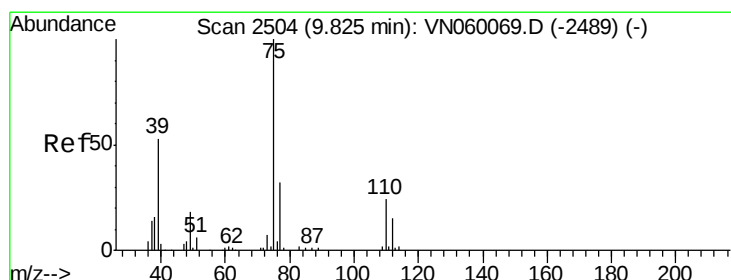
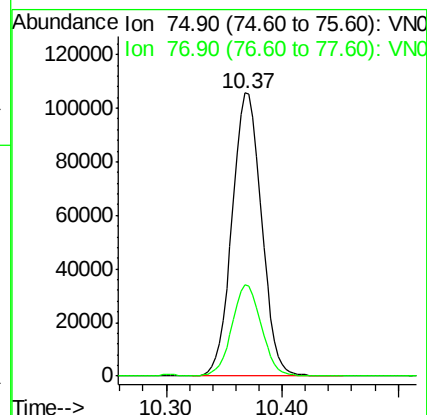
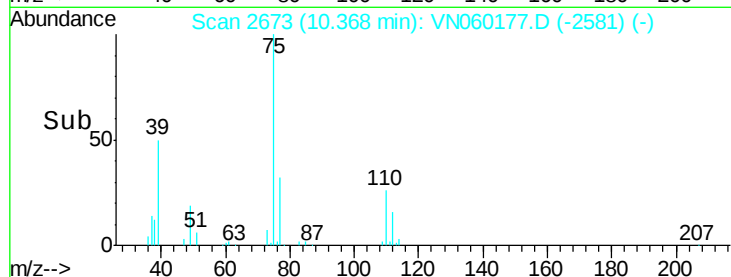
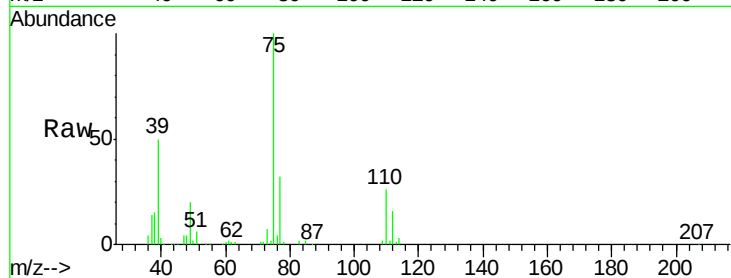
77 32.1 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 49.291 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

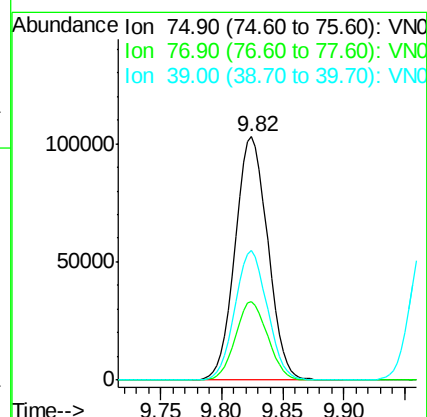
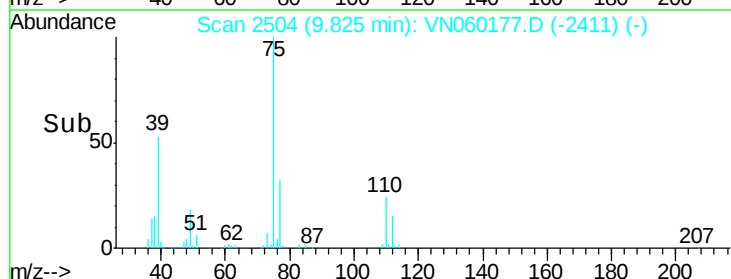
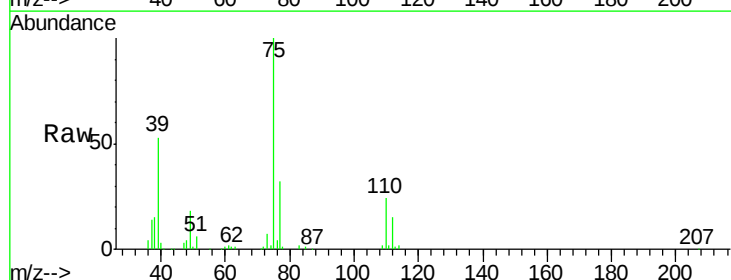
Tgt Ion: 75 Resp: 191689

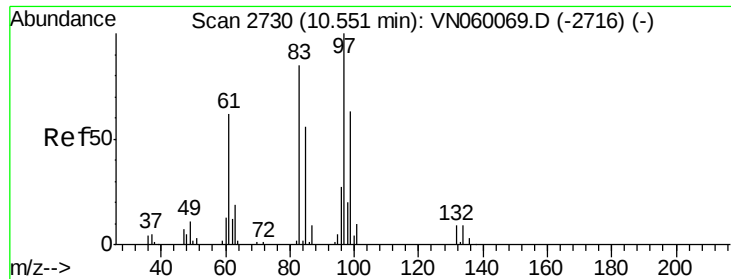
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 53.0 42.2 63.4





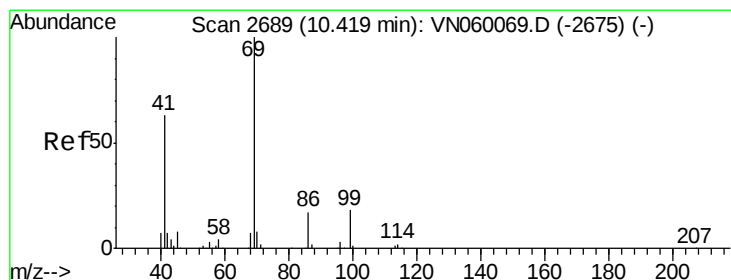
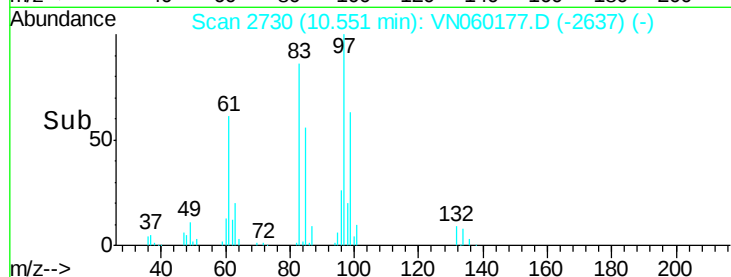
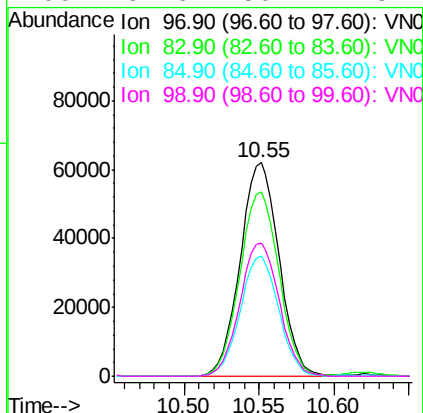
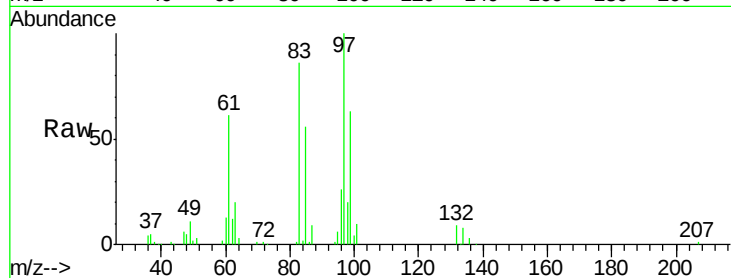
#55
 1,1,2-Trichloroethane
 Concen: 48.758 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	112203
Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.9	101.9
85	56.1	44.6	67.0
99	62.6	50.1	75.1

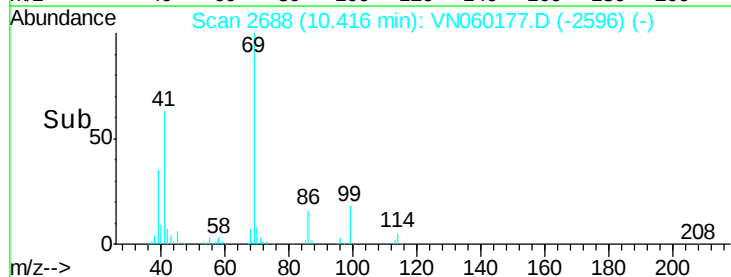
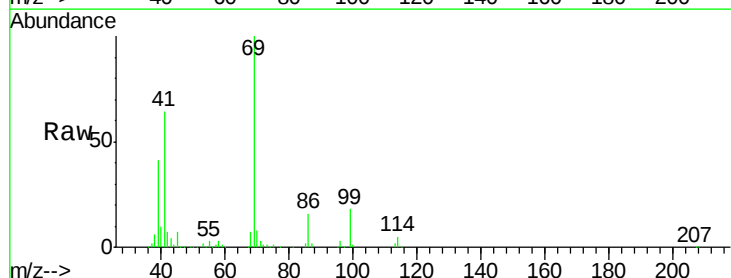
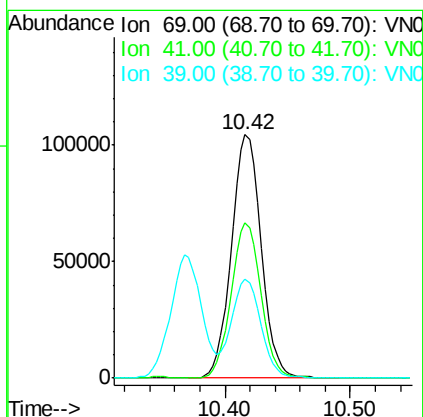
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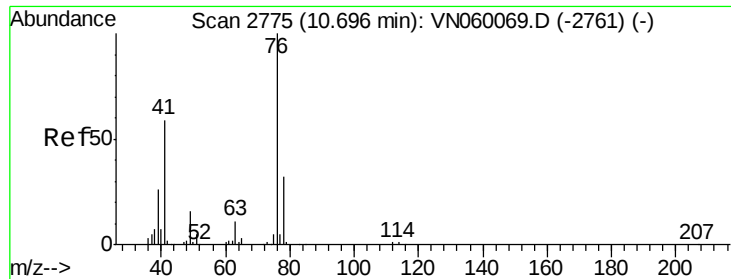
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#56
 Ethyl methacrylate
 Concen: 52.968 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion:	69	Resp:	172428
Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.1	76.7
39	40.6	33.8	50.8





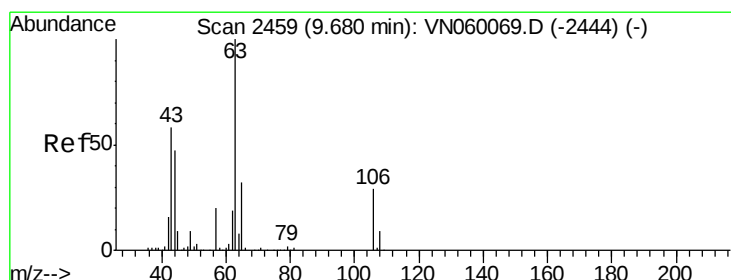
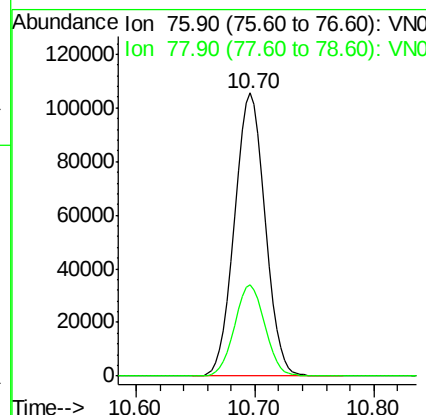
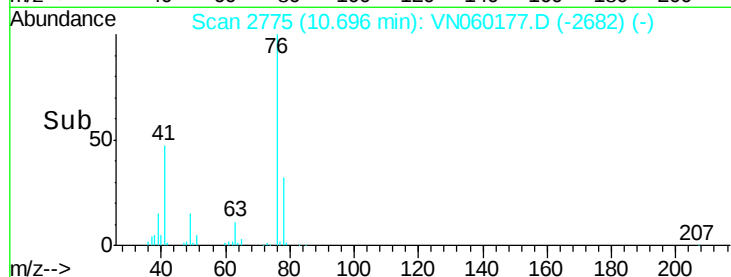
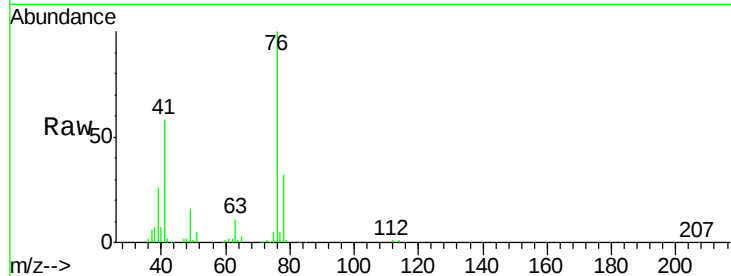
#57
 1,3-Dichloropropane
 Concen: 49.531 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 188079
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

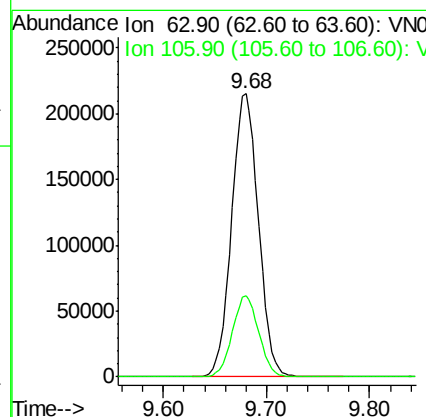
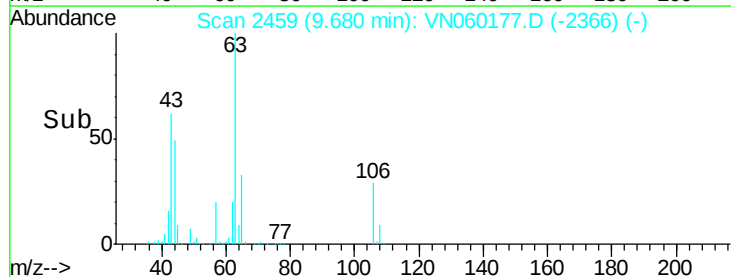
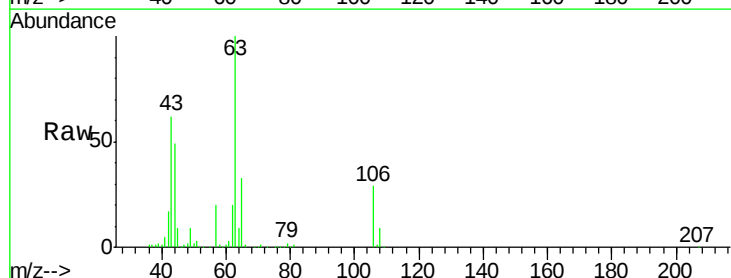
Manual Integrations
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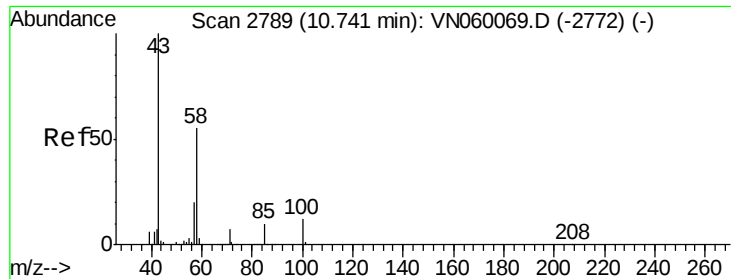
MMDadoda
 2/21/2020 9:15:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.733 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion: 63 Resp: 389354
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.9 34.3





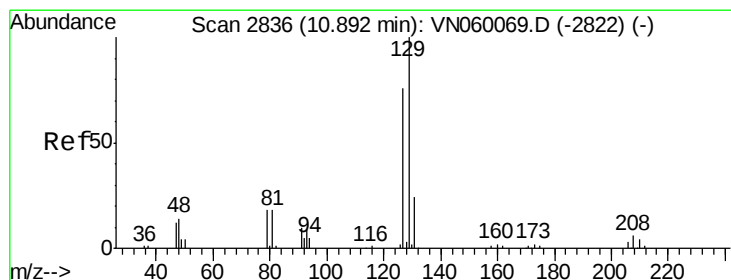
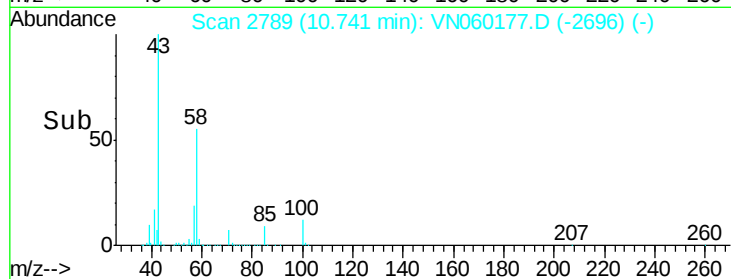
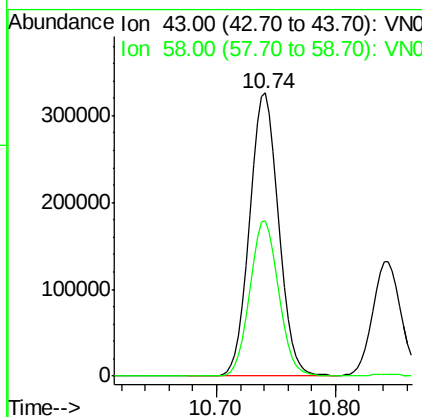
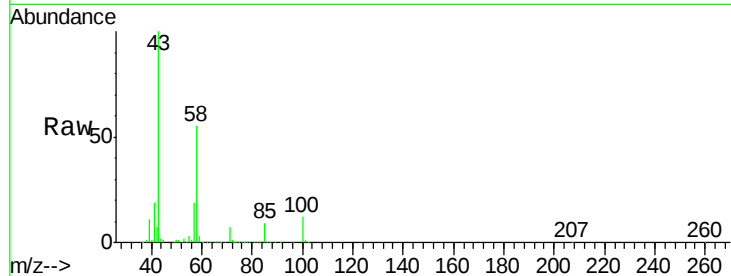
#59
2-Hexanone
Concen: 257.171 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	550862
Ion Ratio	100	Lower	Upper
43	100		
58	54.4	27.5	82.4

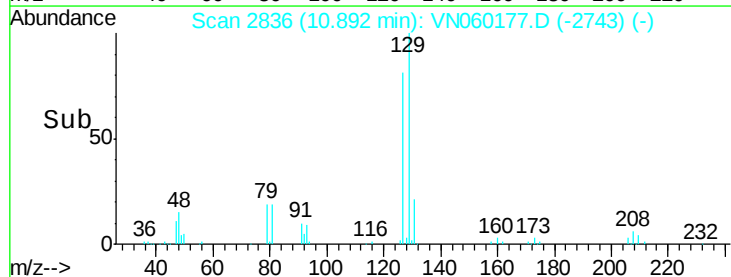
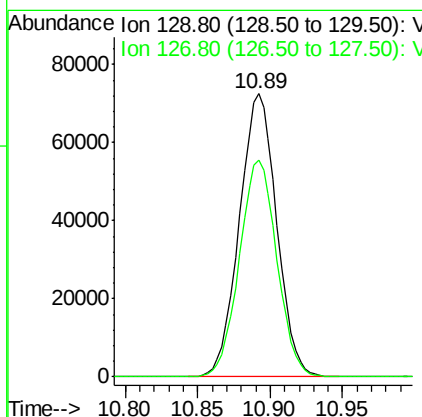
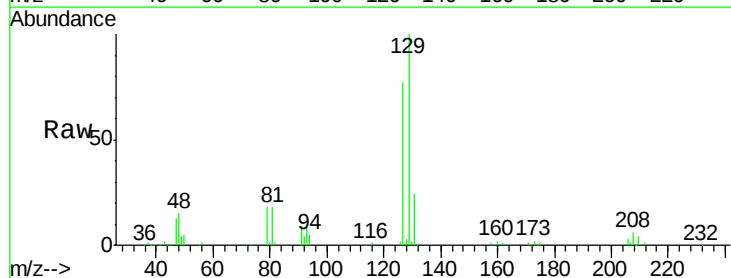
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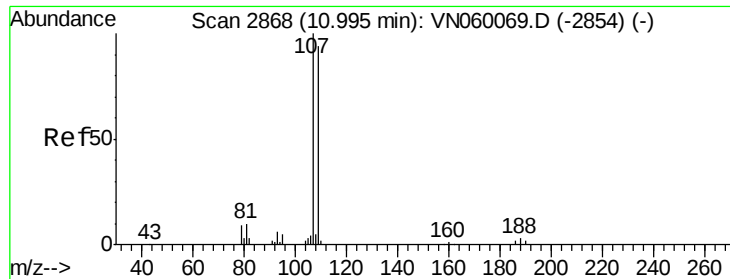
MMDadoda
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#60
Dibromochloromethane
Concen: 49.153 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	129	Resp	129801
Ion Ratio	100	Lower	Upper
129	100		
127	76.8	38.0	114.1





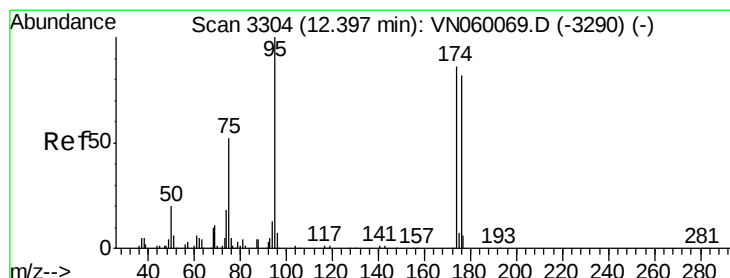
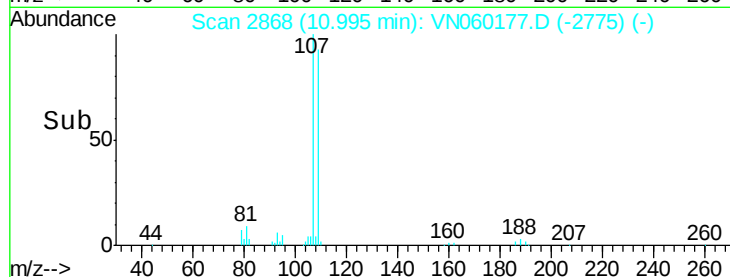
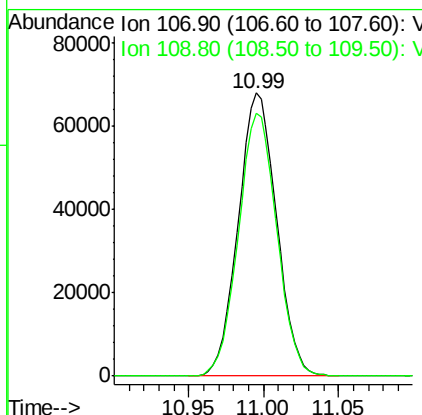
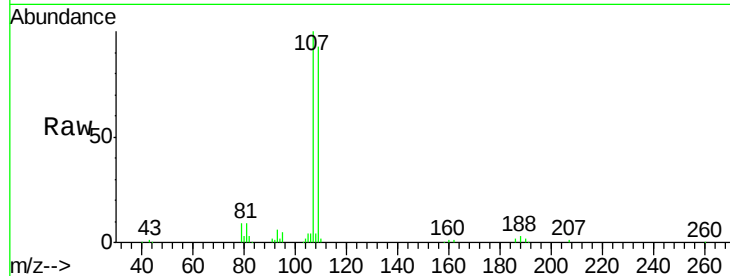
#61
 1,2-Dibromoethane
 Concen: 50.129 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.4	113.0

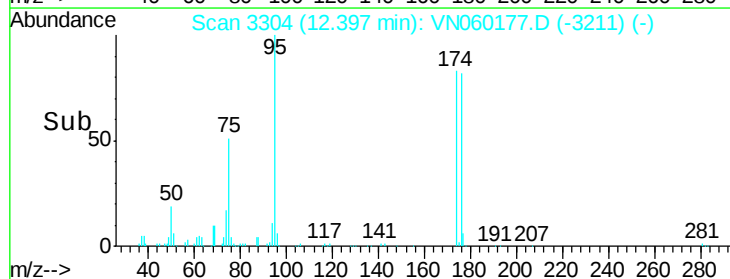
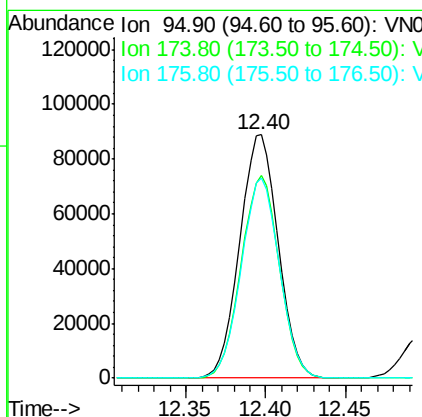
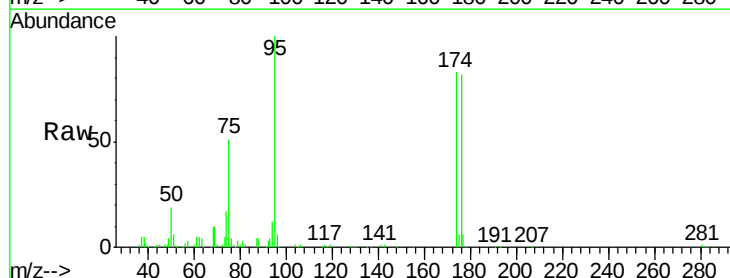
Manual Integrations
 APPROVED

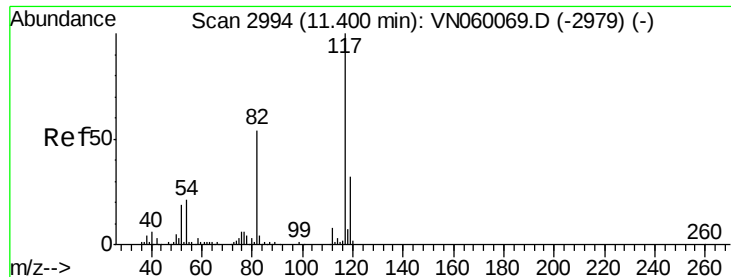
MMDadoda
 2/21/2020 9:15:09 AM



#62
 4-Bromofluorobenzene
 Concen: 49.037 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	169.8
176	81.7	0.0	164.8





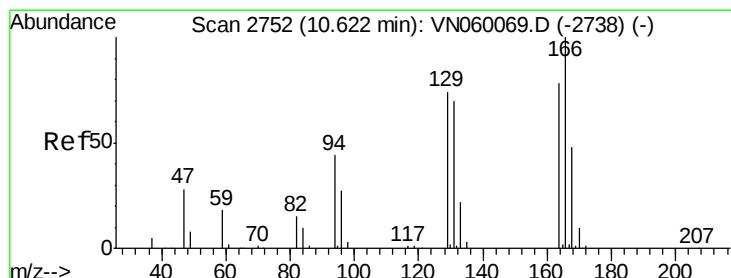
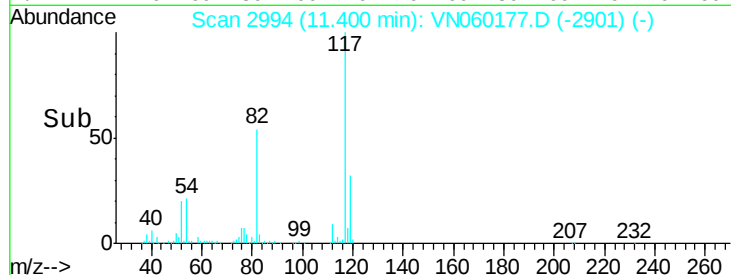
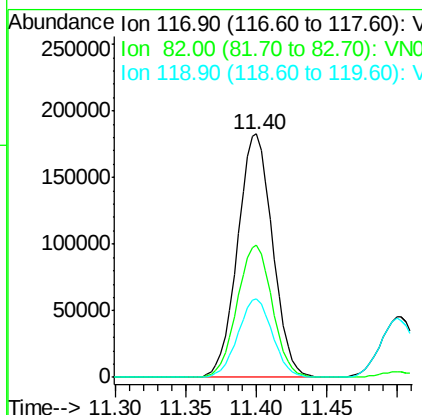
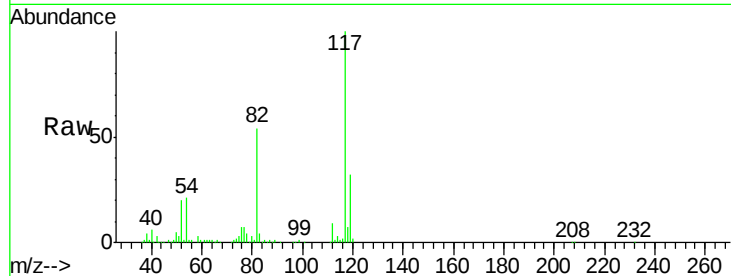
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.4	65.0
119	32.2	25.8	38.6

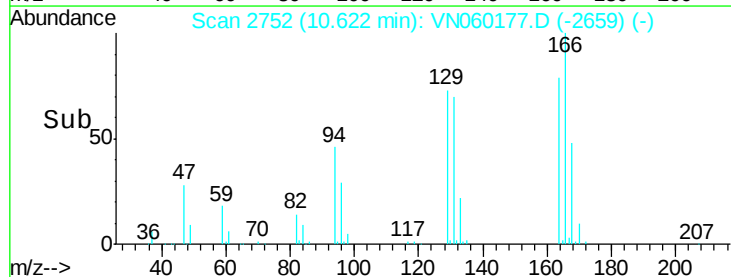
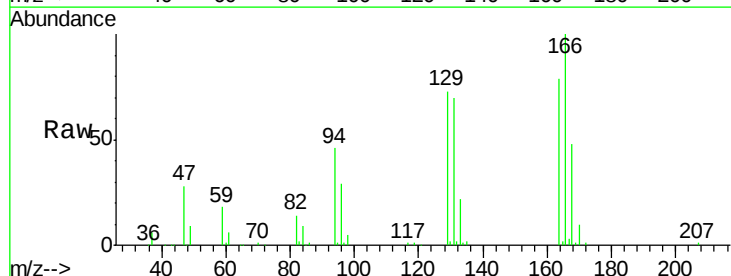
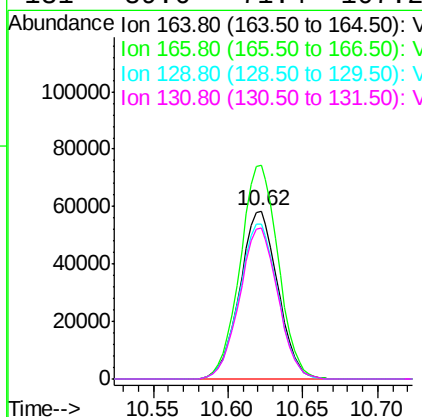
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#64
Tetrachloroethene
Concen: 42.791 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.9	152.9
129	92.5	75.4	113.0
131	89.6	71.4	107.2





#65

Chlorobenzene

Concen: 47.810 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 309193

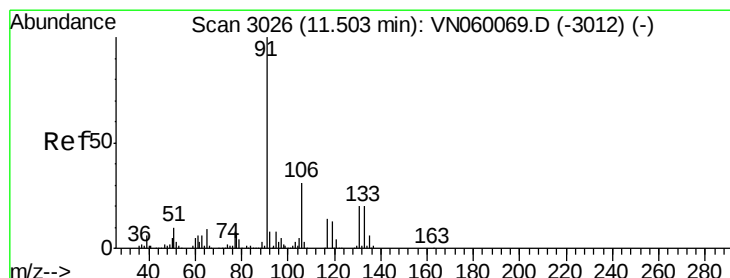
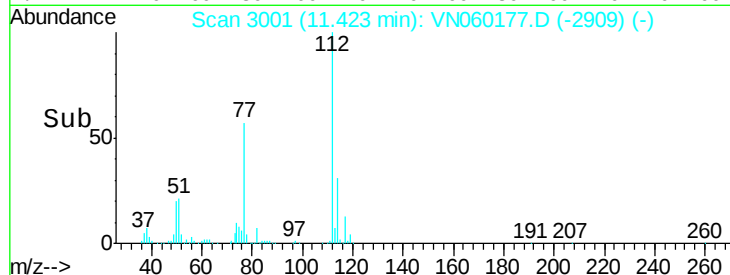
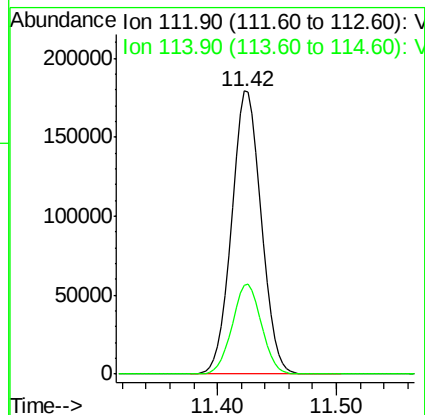
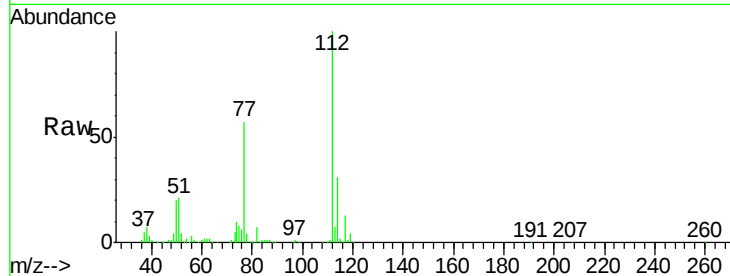
Ion Ratio Lower Upper

112 100

114 31.4 25.4 38.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 48.434 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

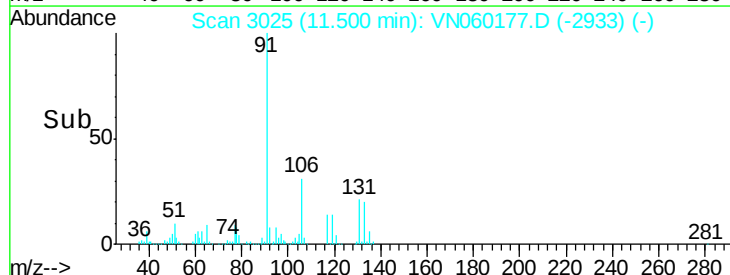
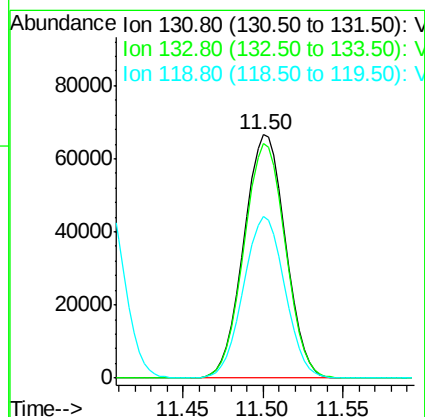
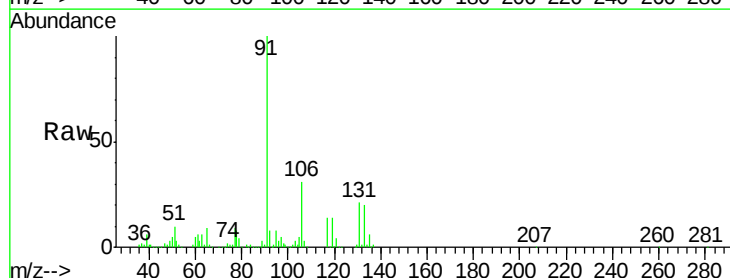
Tgt Ion:131 Resp: 118494

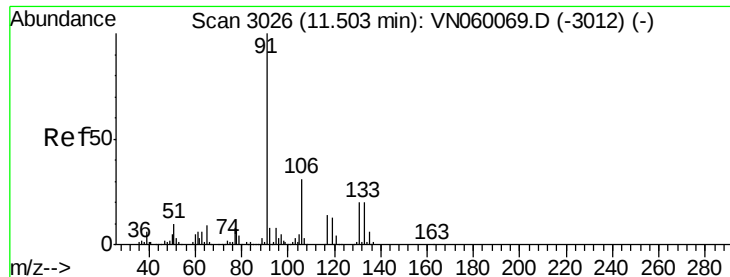
Ion Ratio Lower Upper

131 100

133 96.2 47.9 143.7

119 65.8 32.6 97.7





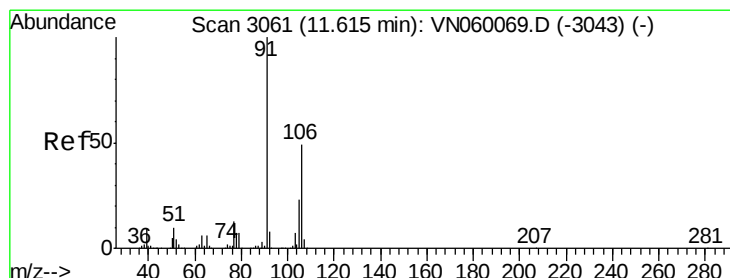
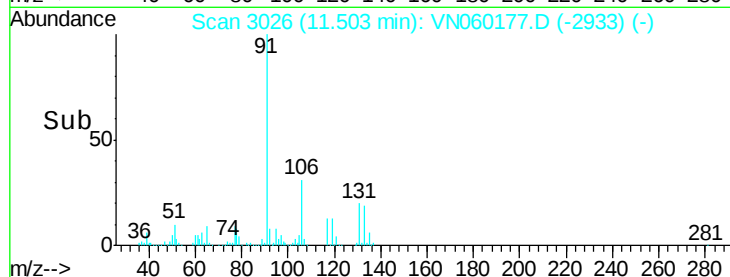
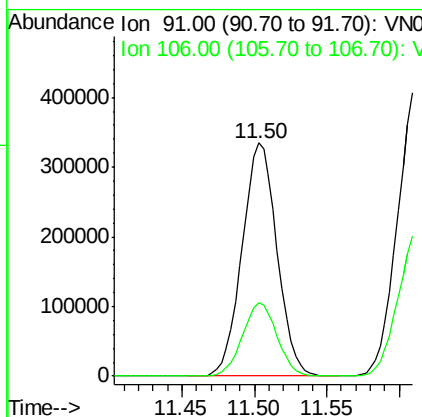
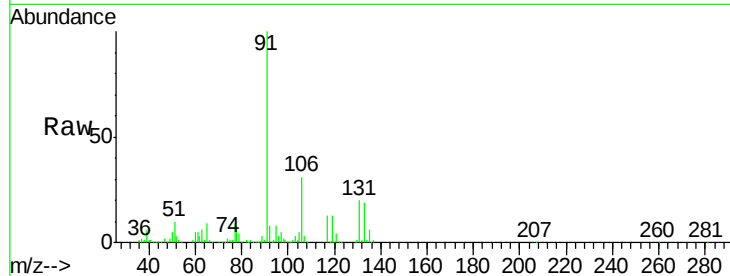
#67
Ethyl Benzene
Concen: 47.934 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 559098
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

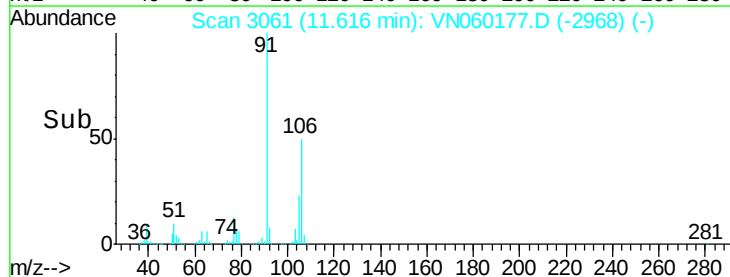
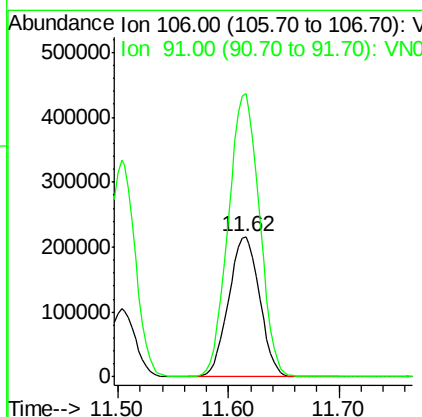
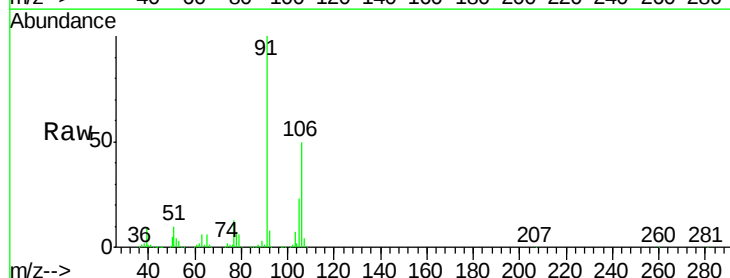
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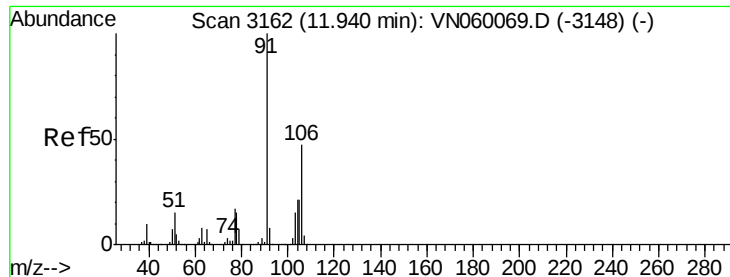
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#68
m/p-Xylenes
Concen: 96.130 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion: 106 Resp: 420826
Ion Ratio Lower Upper
106 100
91 202.8 162.7 244.1





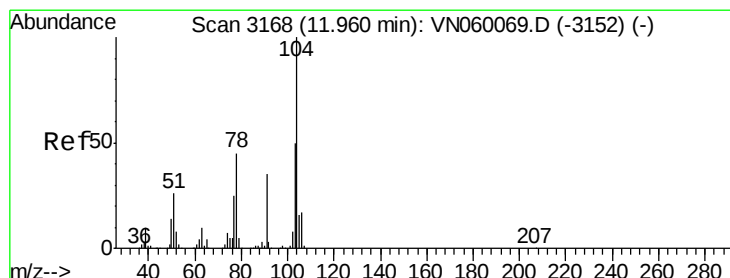
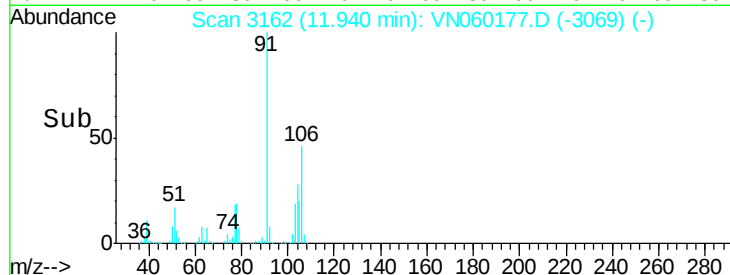
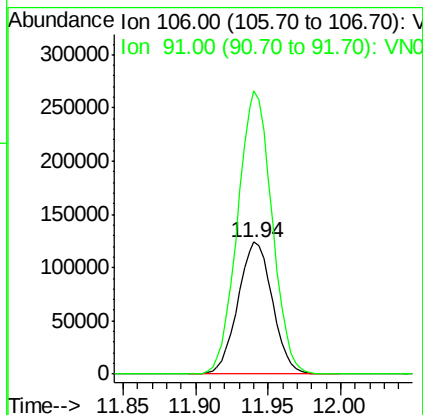
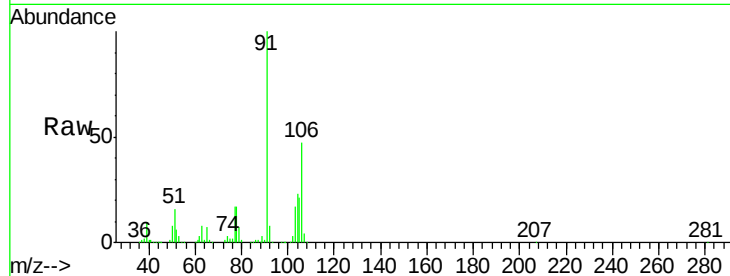
#69
o-Xylene
Concen: 48.600 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 204849
Ion Ratio Lower Upper
106 100
91 213.9 107.2 321.6

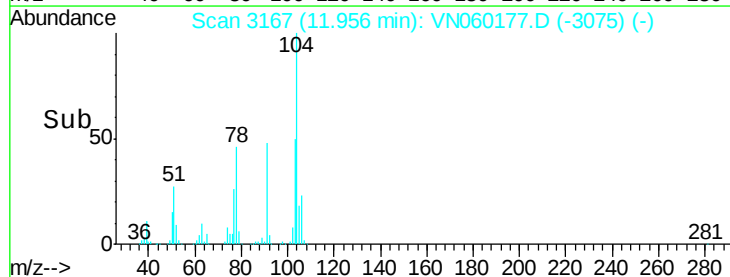
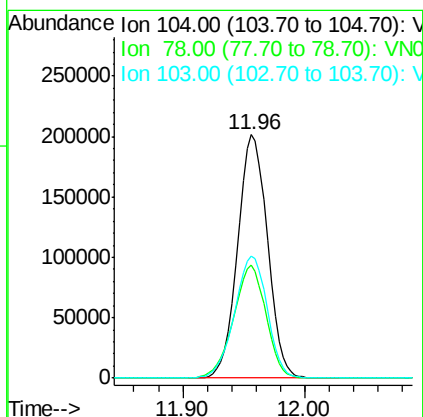
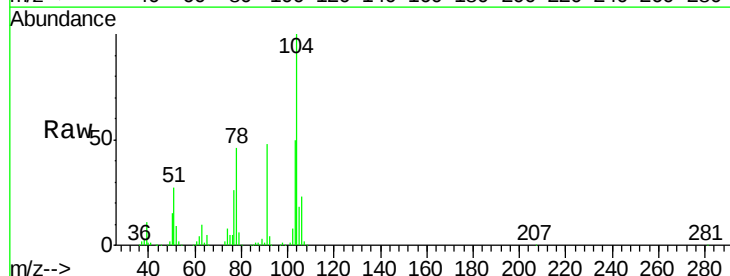
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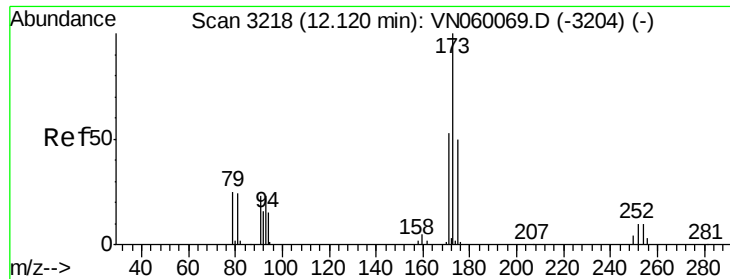
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#70
Styrene
Concen: 50.111 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion:104 Resp: 340606
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.2
103 55.2 44.3 66.5





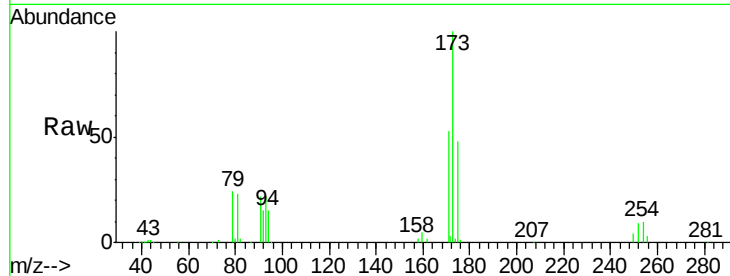
#71
Bromoform
Concen: 50.326 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

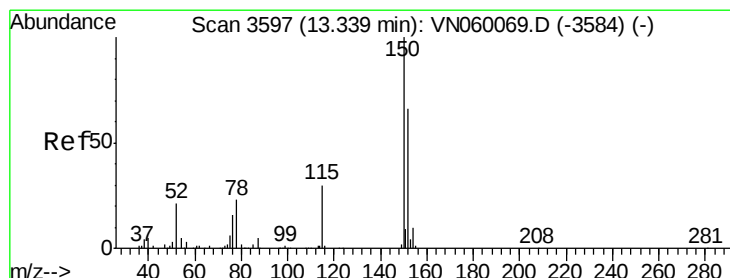
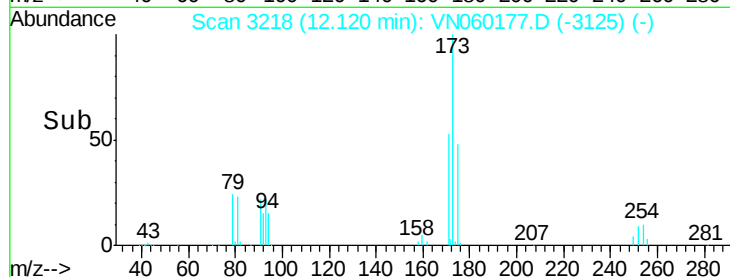
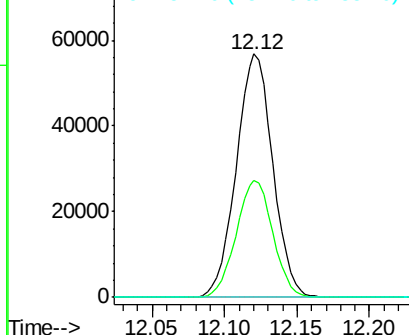
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.9	74.6
254	0.0	0.0	0.0

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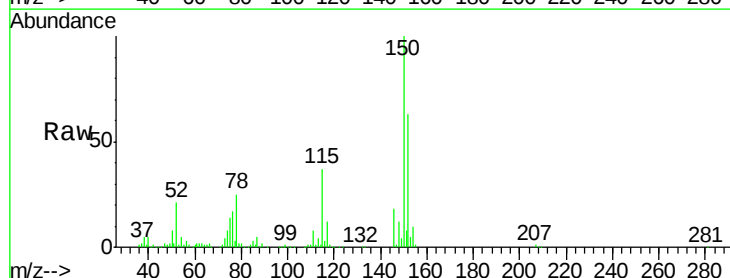


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

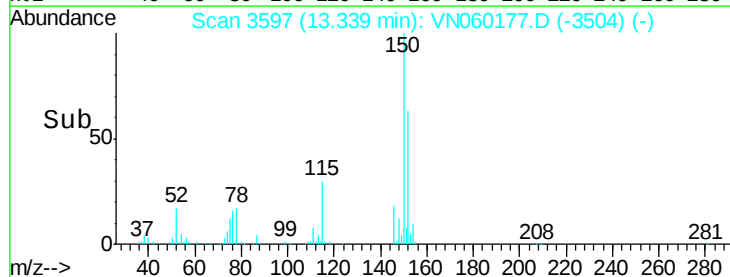
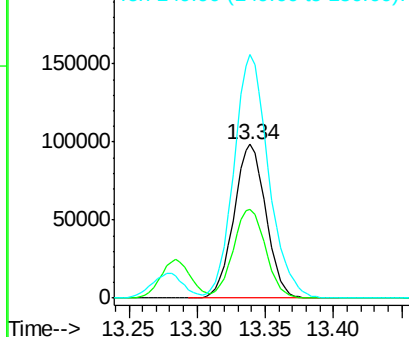


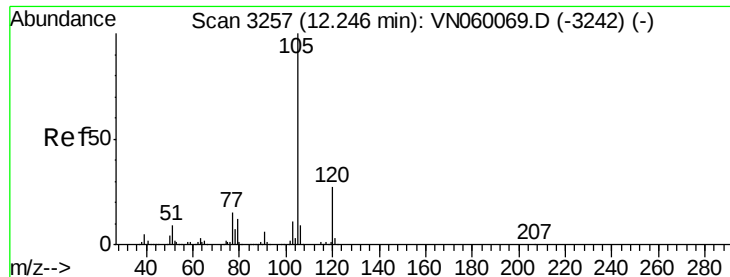
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.9	86.8
150	171.8	0.0	342.4



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: 46.344 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 553010

Ion Ratio Lower Upper

105 100

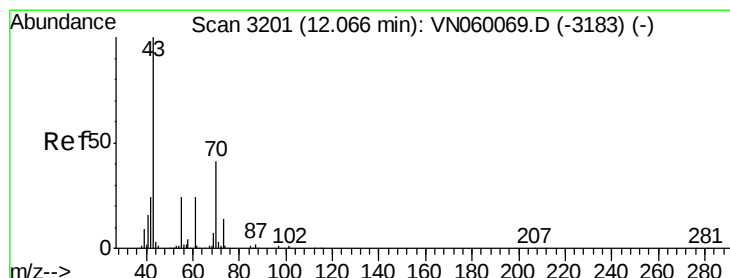
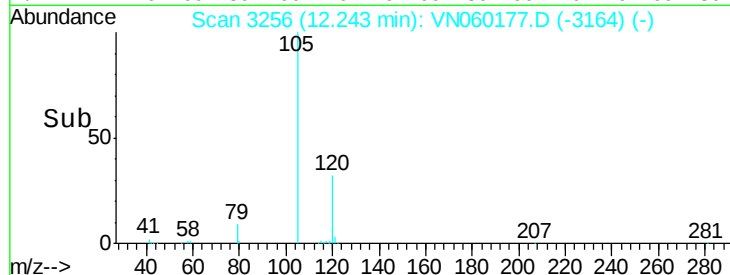
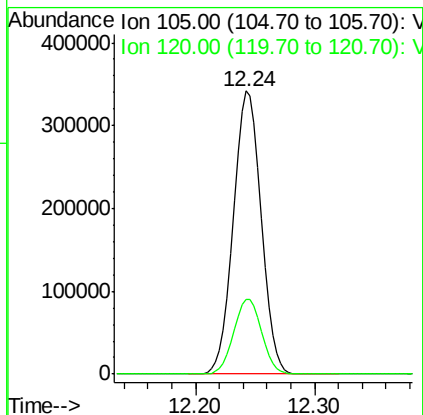
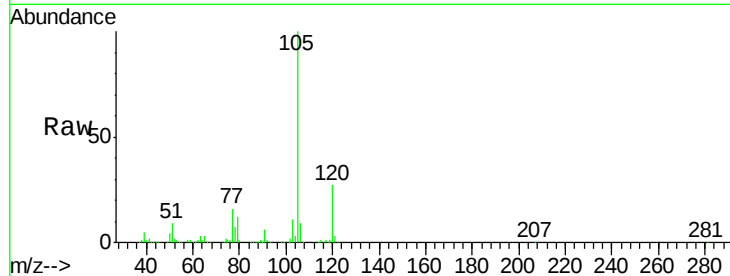
120 26.6 13.3 39.8

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#74

N-ethyl acetate

Concen: 51.730 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Tgt Ion: 43 Resp: 222587

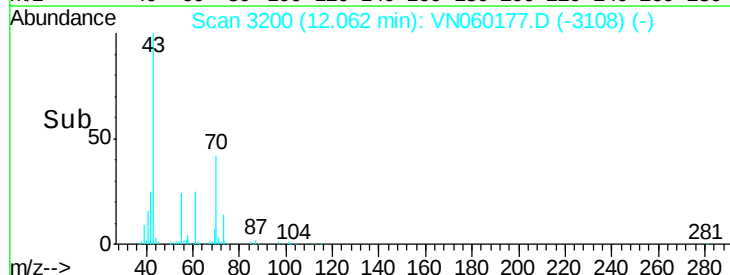
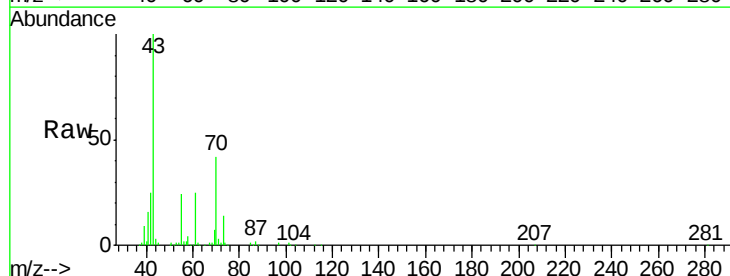
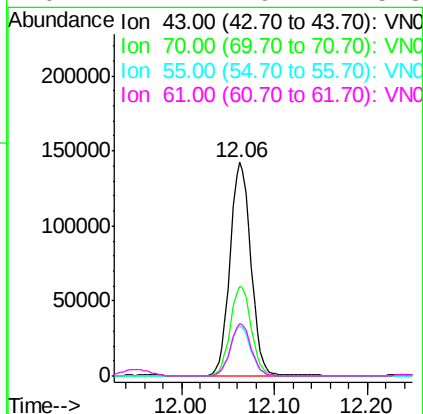
Ion Ratio Lower Upper

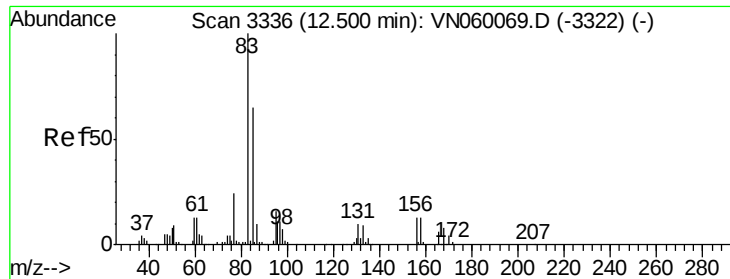
43 100

70 42.2 33.4 50.0

55 23.3 18.8 28.2

61 24.4 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.642 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

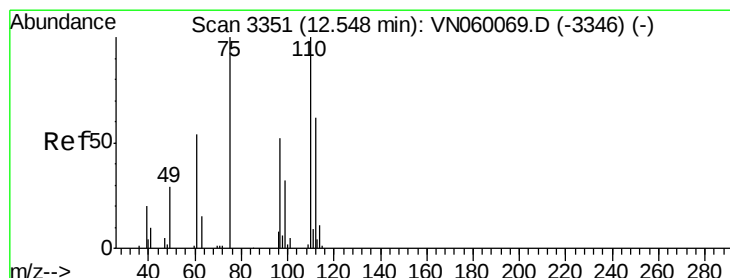
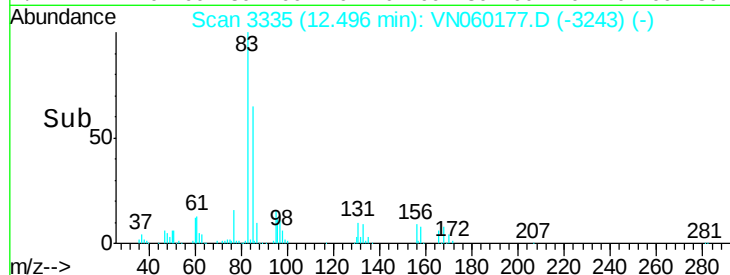
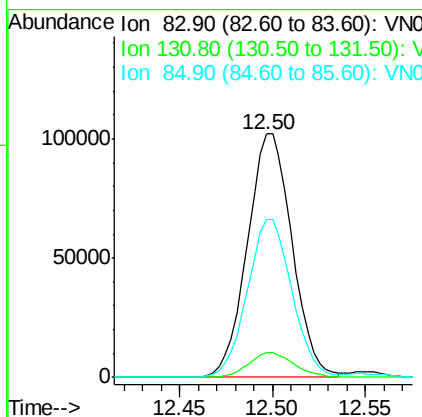
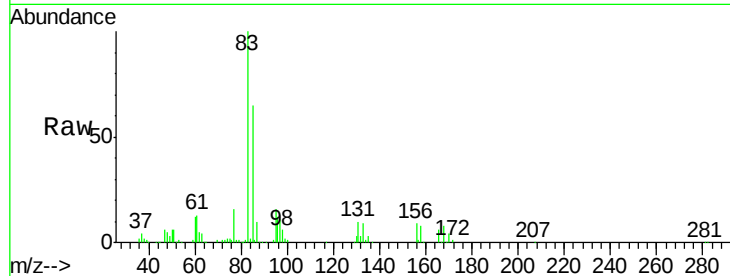
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	170502
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.8	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.913 ug/l m

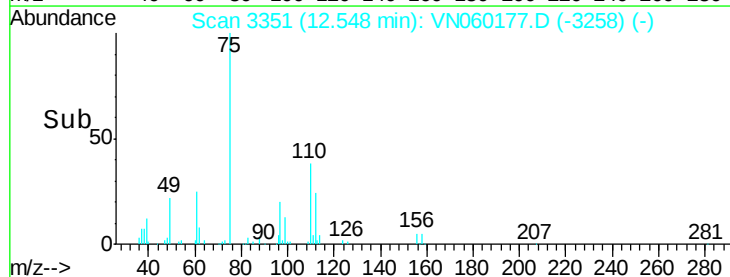
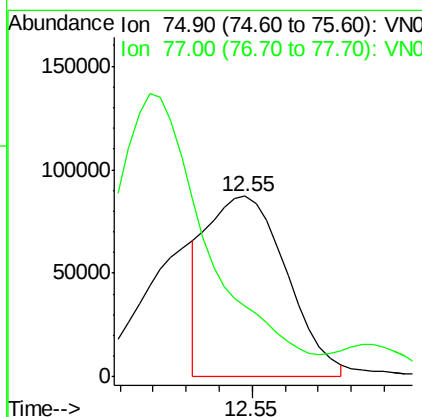
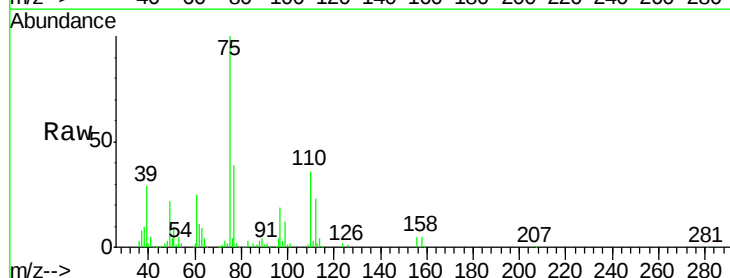
RT: 12.55 min Scan# 3351

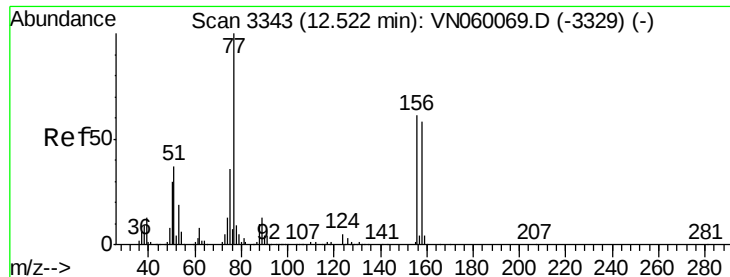
Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Tgt Ion:	75	Resp:	146482
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.172 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

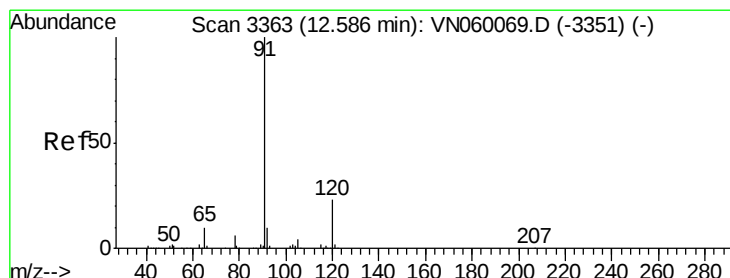
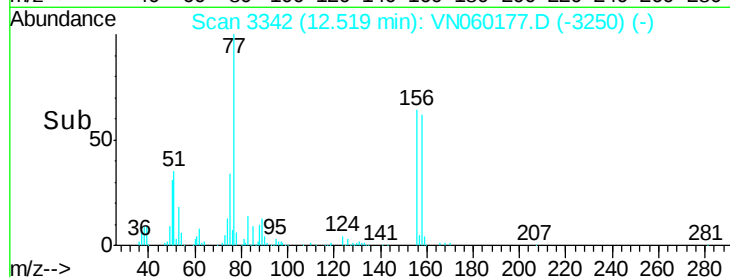
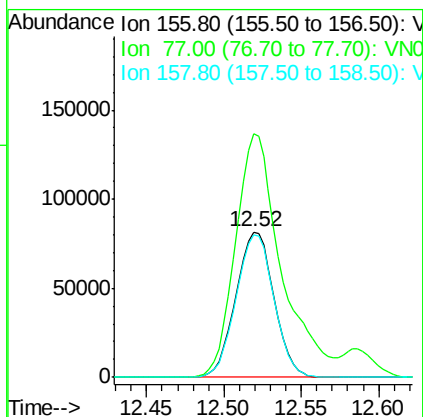
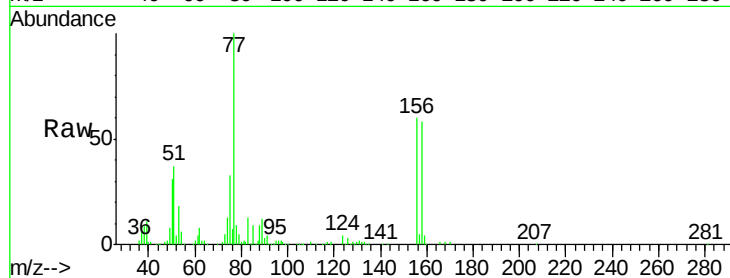
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	139692
Ion Ratio	Lower	Upper	
156	100		
77	200.7	98.7	296.1
158	97.8	48.1	144.4

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#78

n-propylbenzene

Concen: 46.676 ug/l

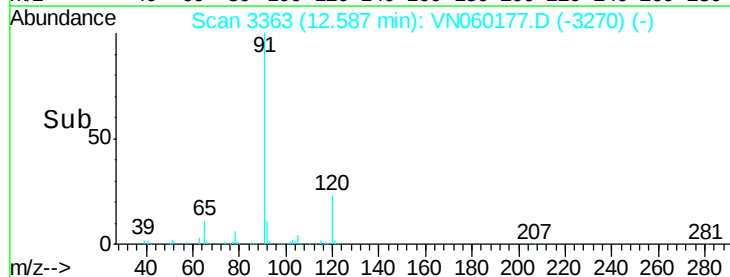
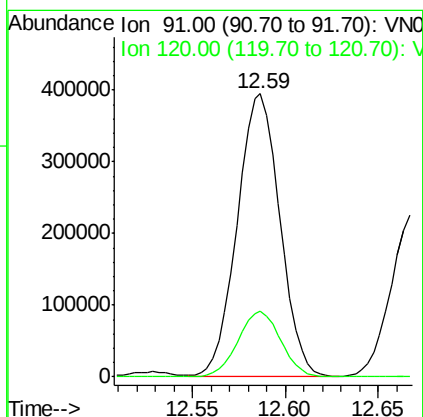
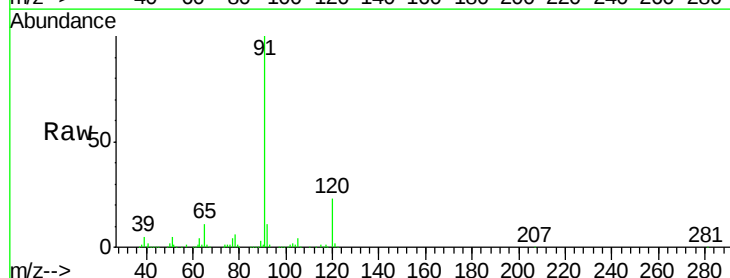
RT: 12.59 min Scan# 3363

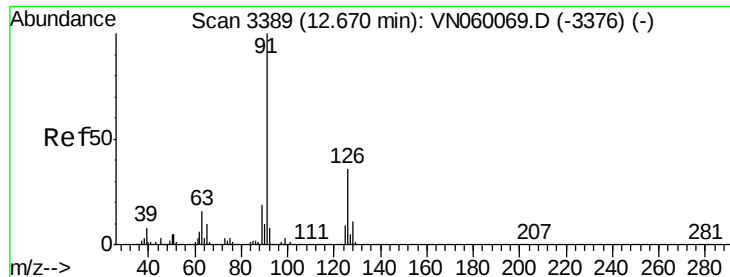
Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Tgt Ion:	91	Resp:	634570
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.5





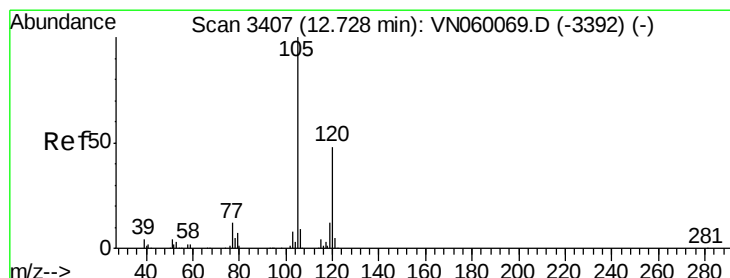
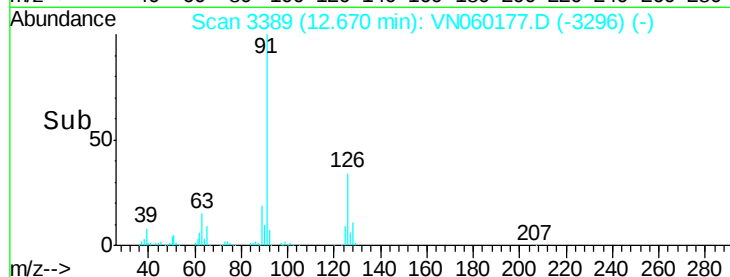
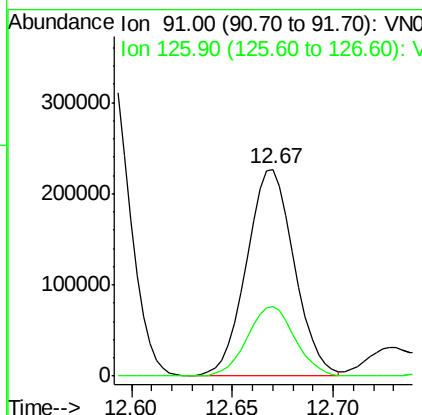
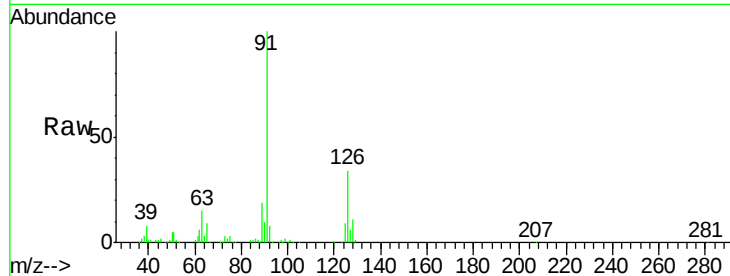
#79
 2-Chlorotoluene
 Concen: 46.896 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 374738
 Ion Ratio Lower Upper
 91 100
 126 33.9 17.4 52.2

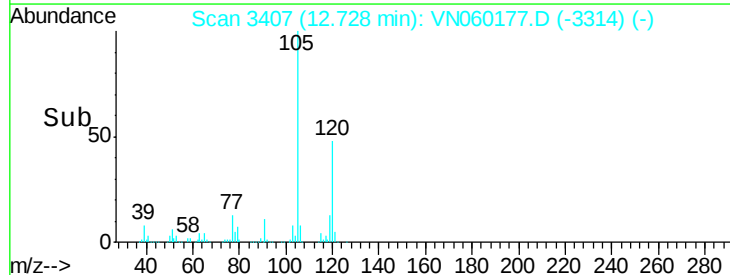
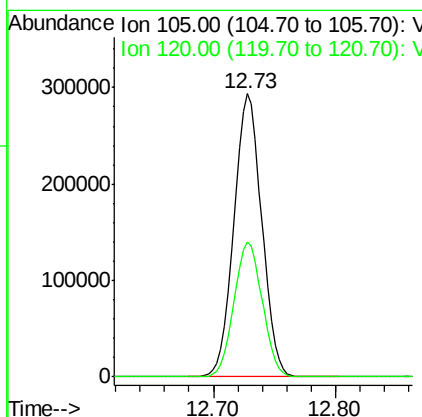
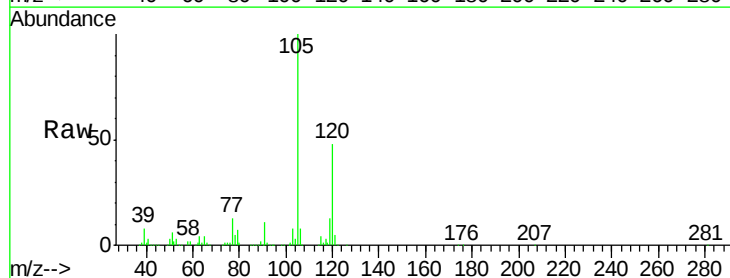
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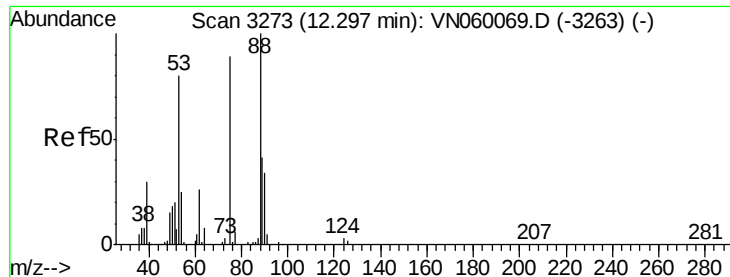
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#80
 1,3,5-Trimethylbenzene
 Concen: 46.814 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion: 105 Resp: 464468
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 51.369 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

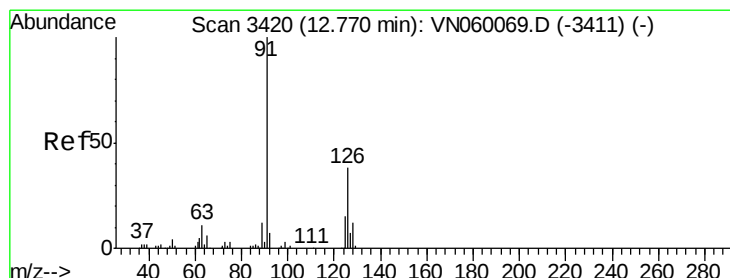
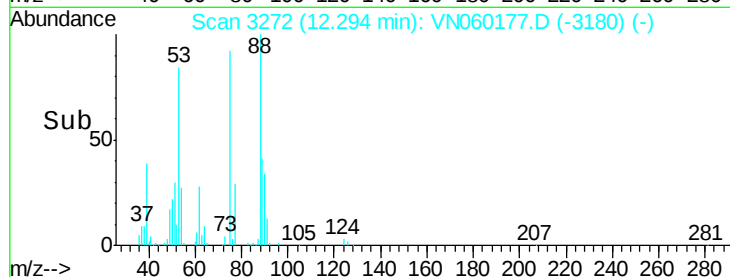
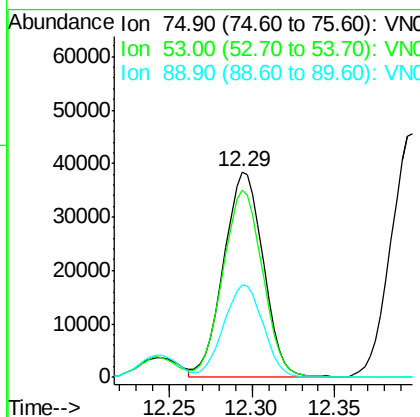
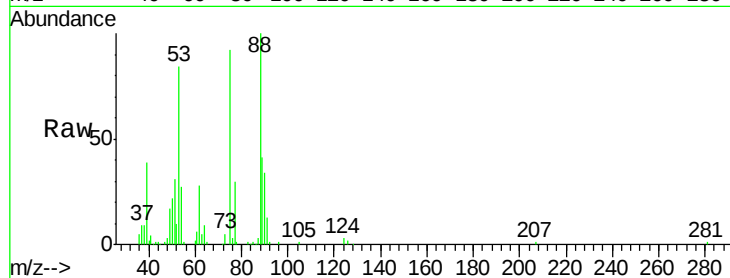
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	64140
Ion	Ratio	Lower	Upper
75	100		
53	91.8	73.9	110.9
89	44.5	37.0	55.4

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#82

4-Chlorotoluene

Concen: 46.932 ug/l

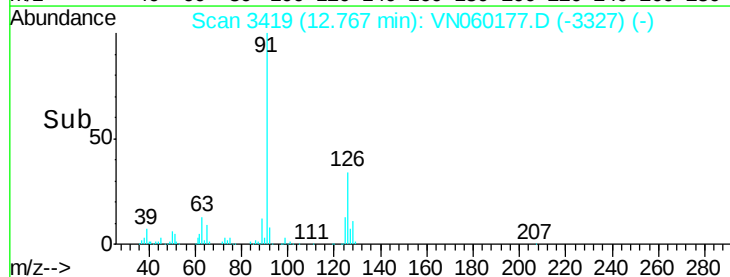
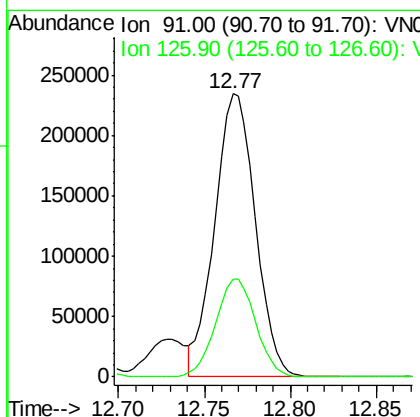
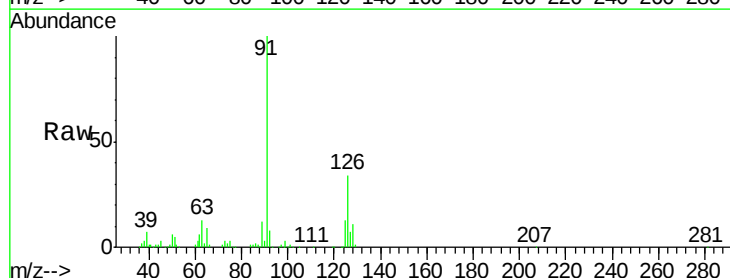
RT: 12.77 min Scan# 3419

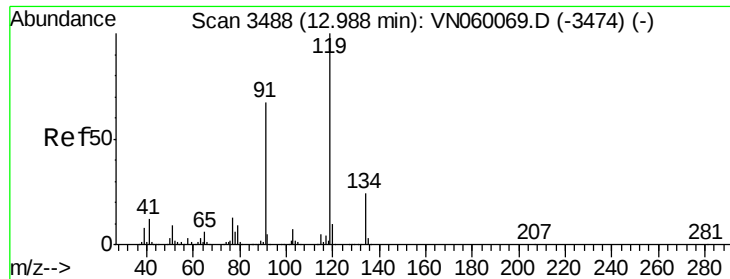
Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Tgt Ion:	91	Resp:	384768
Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.1	51.3





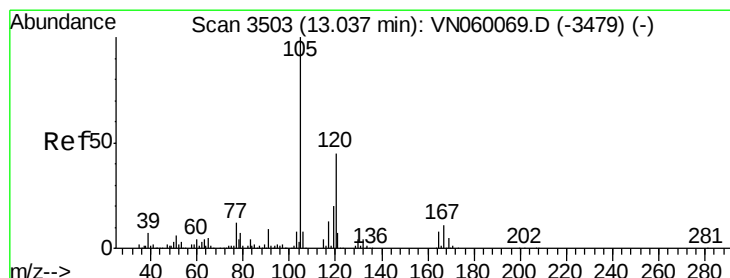
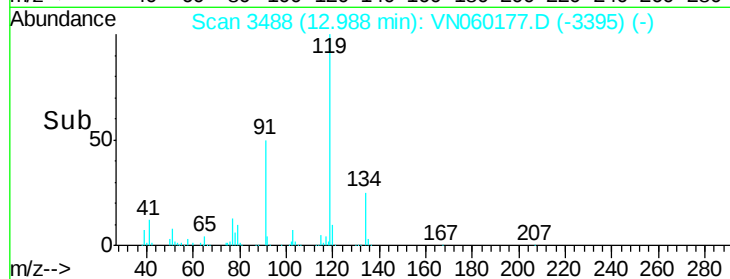
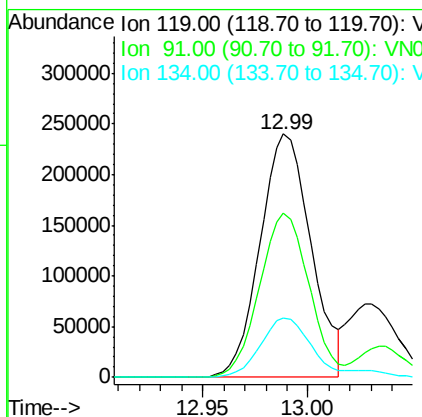
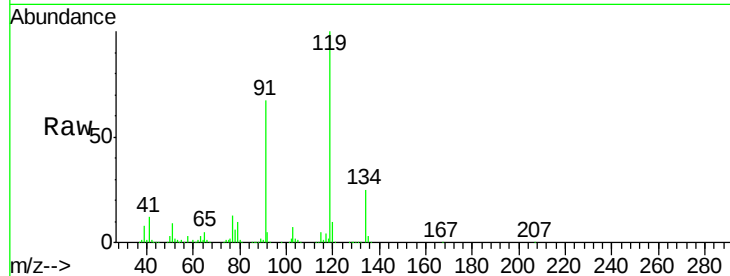
#83
 tert-Butylbenzene
 Concen: 46.005 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.7	98.1
134	23.9	12.9	38.7

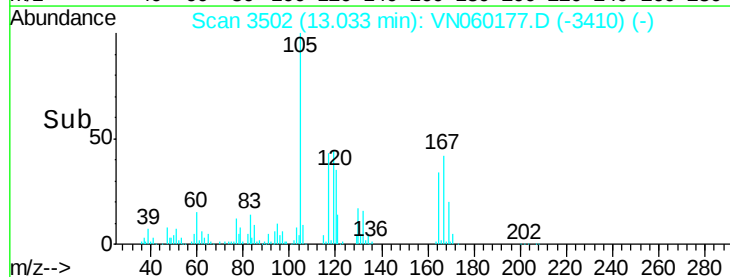
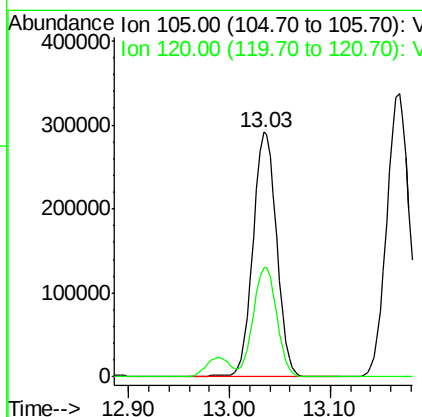
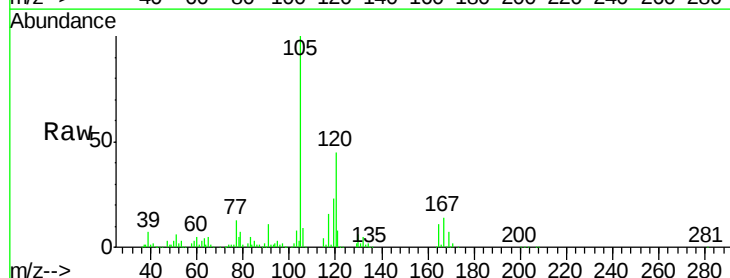
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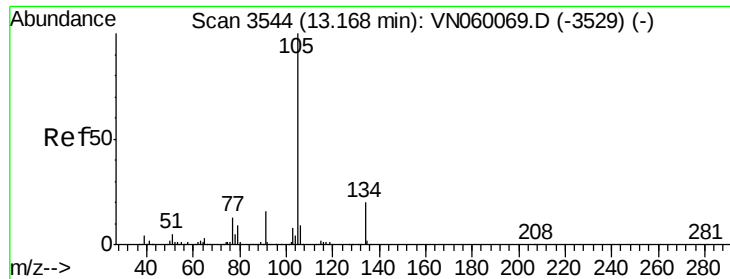
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.928 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.3





#85

sec-Butylbenzene

Concen: 46.497 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 540459

Ion Ratio Lower Upper

105 100

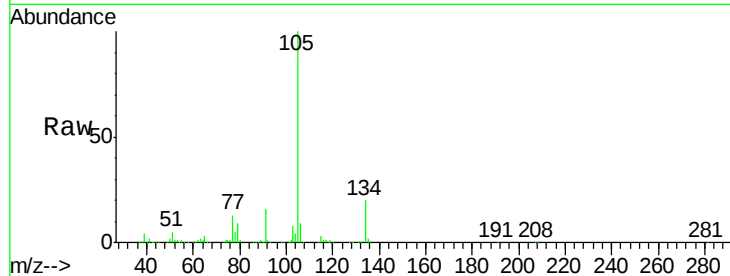
134 19.8 9.9 29.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

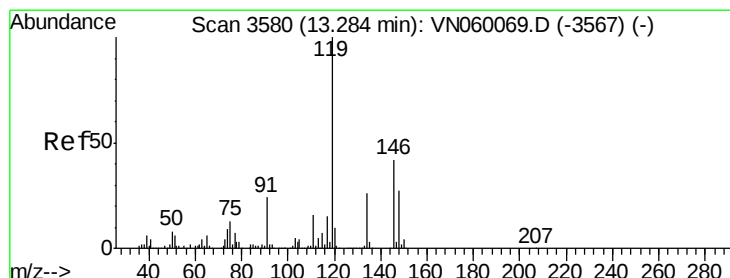
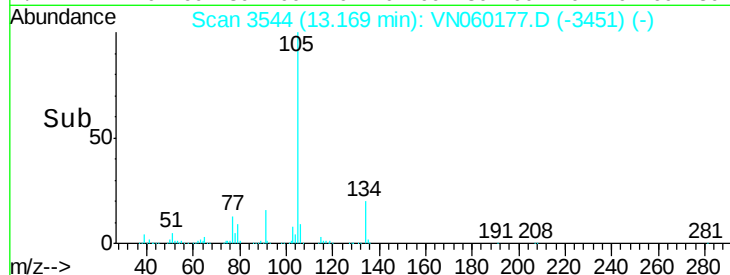
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 46.597 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

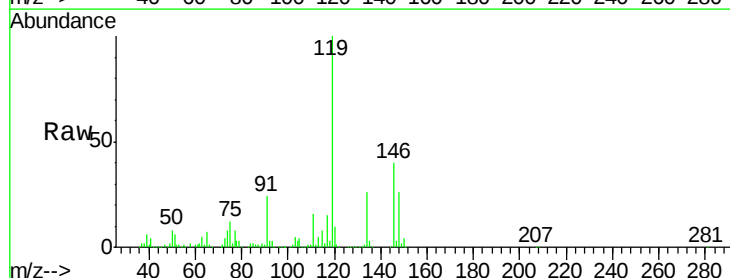
Tgt Ion:119 Resp: 490726

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 24.2 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

400000

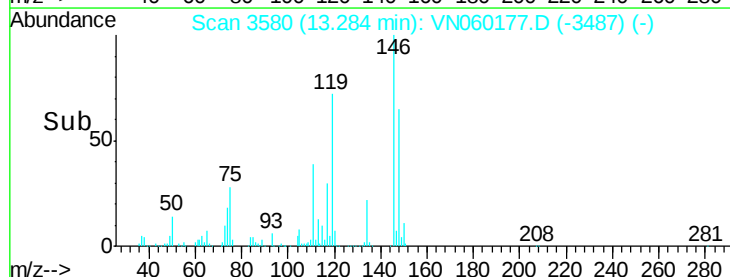
300000

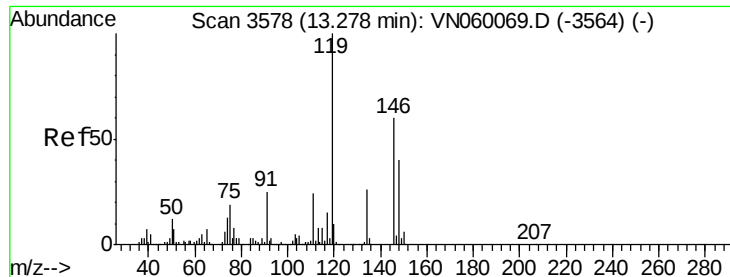
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.406 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060177.D

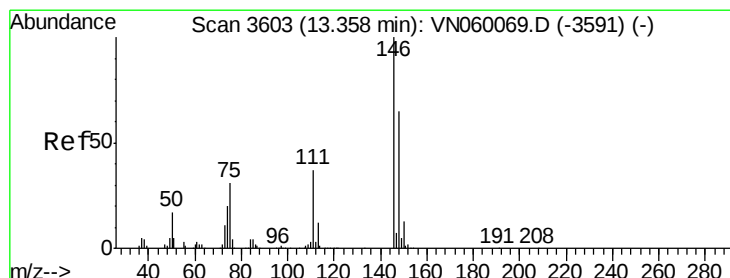
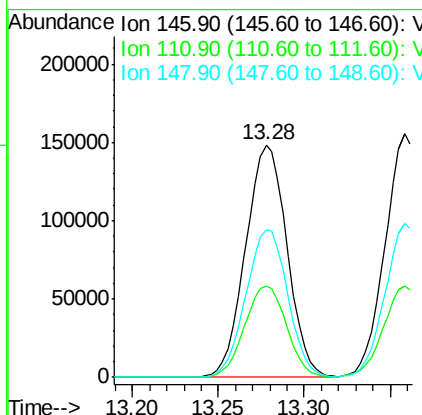
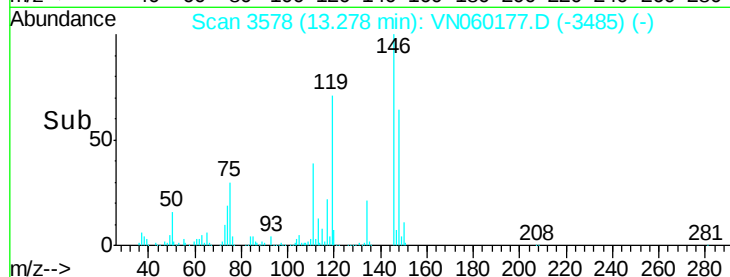
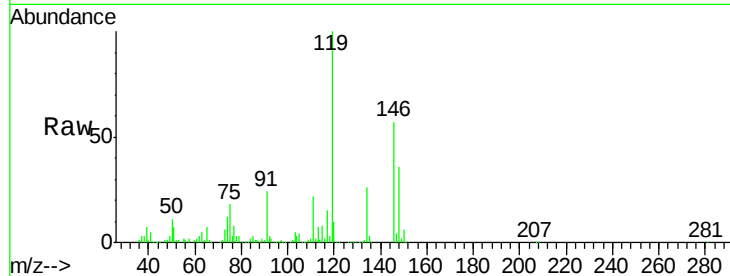
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.3
148	64.3	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 47.154 ug/l

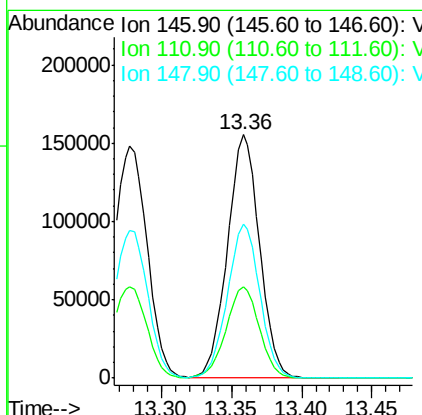
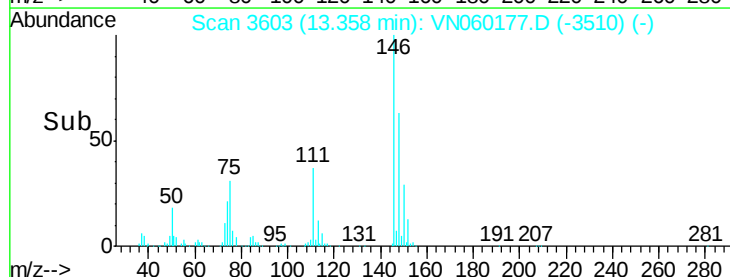
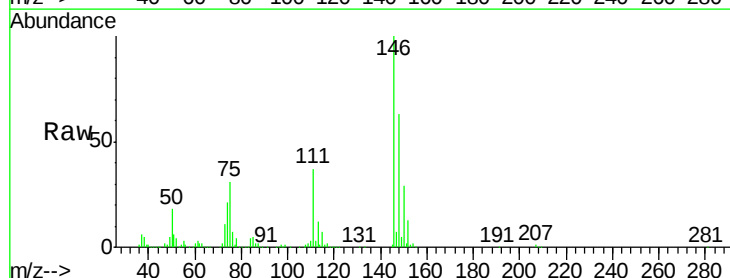
RT: 13.36 min Scan# 3603

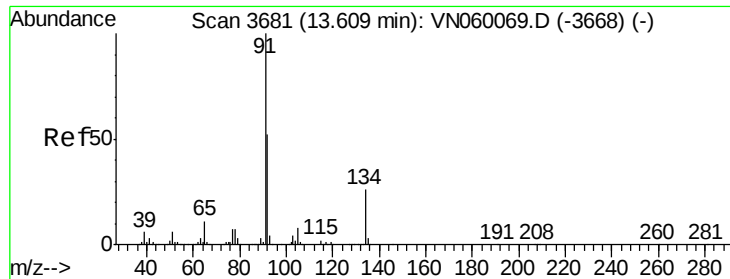
Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.5
148	64.0	32.0	96.0





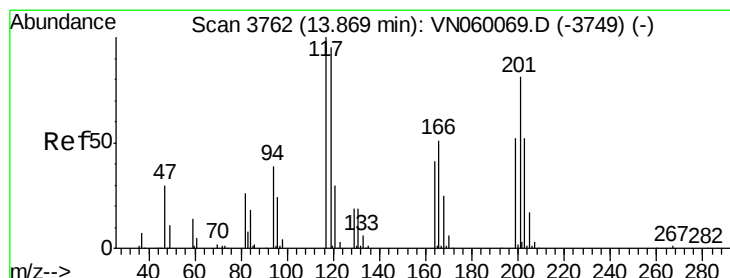
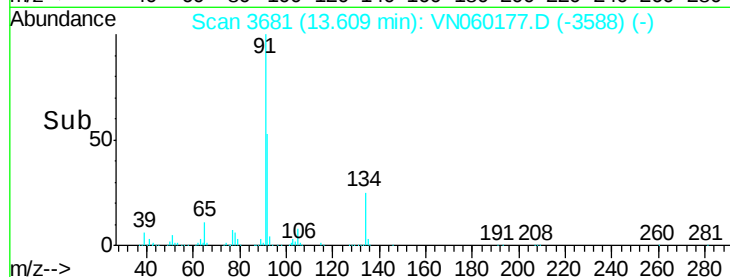
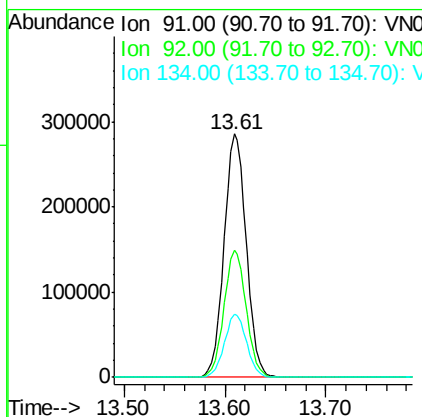
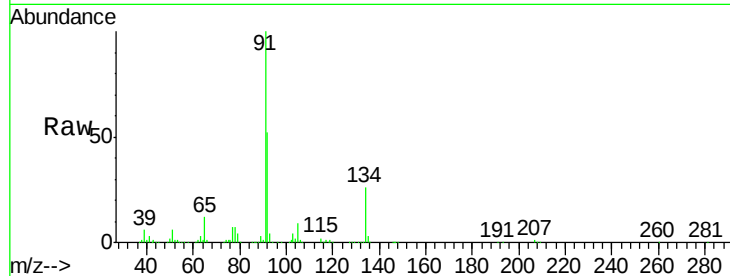
#89
n-Butylbenzene
Concen: 47.392 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	25.9	13.1	39.3

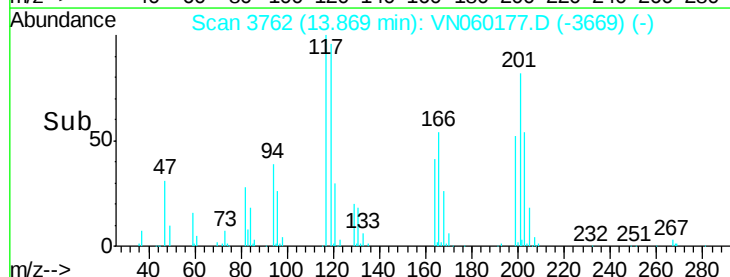
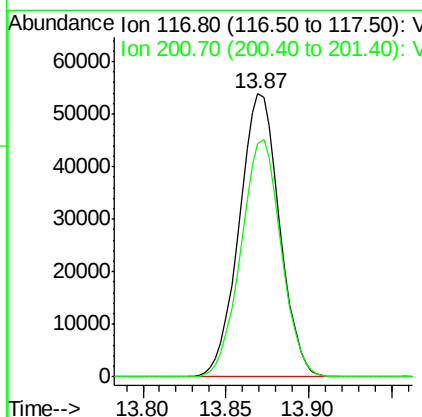
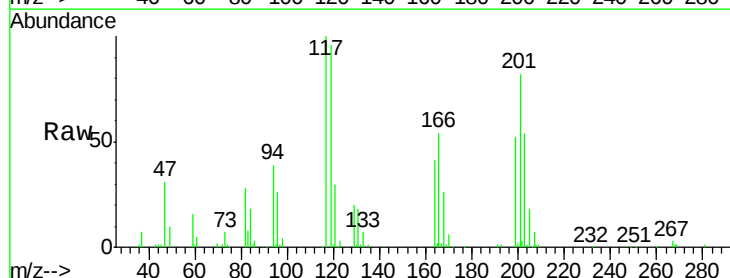
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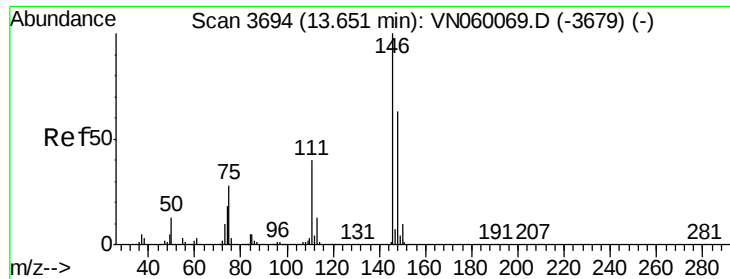
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#90
Hexachloroethane
Concen: 46.150 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.6	41.7	125.1





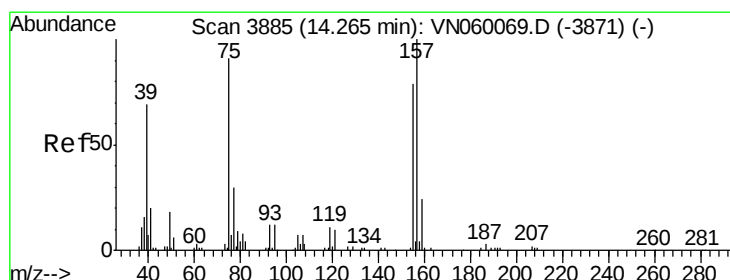
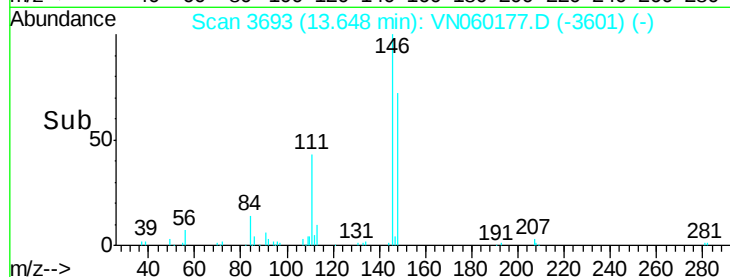
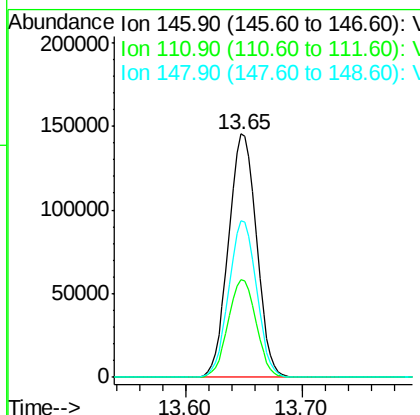
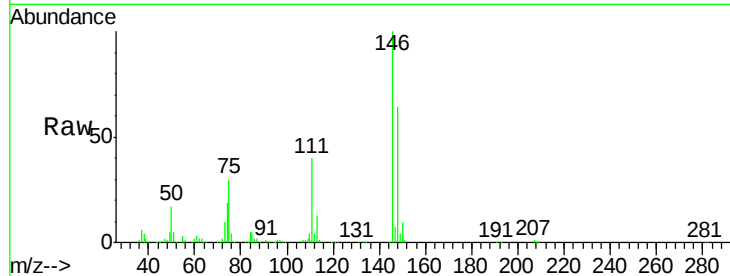
#91
 1,2-Dichlorobenzene
 Concen: 47.338 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.7	31.9	95.5

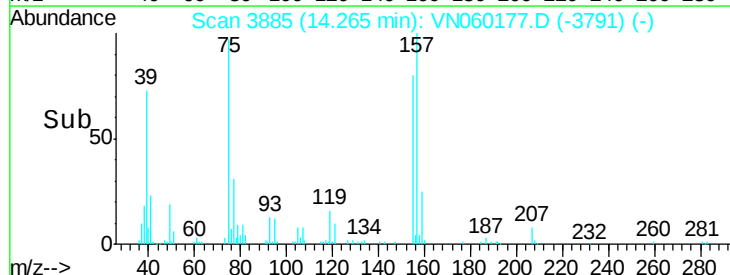
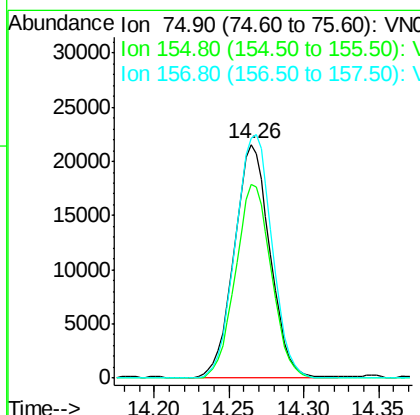
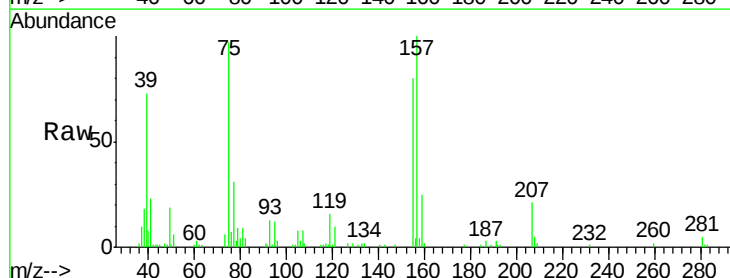
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.397 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	43.0	129.0
157	105.9	54.9	164.5





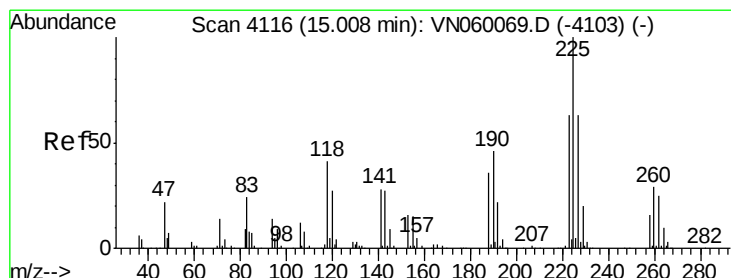
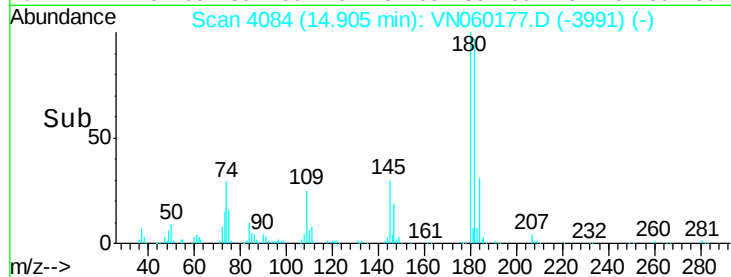
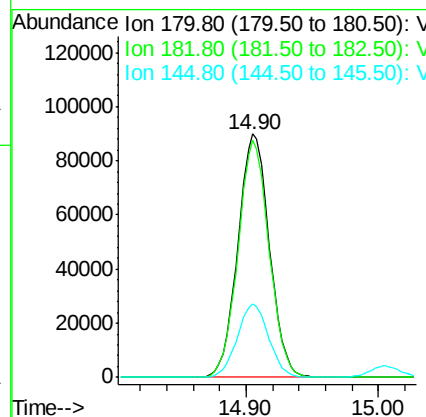
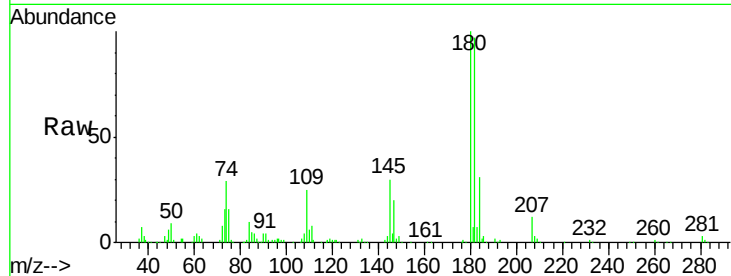
#93
 1,2,4-Trichlorobenzene
 Concen: 49.039 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	147813		
182	96.1	47.9	143.8	
145	30.1	15.2	45.5	

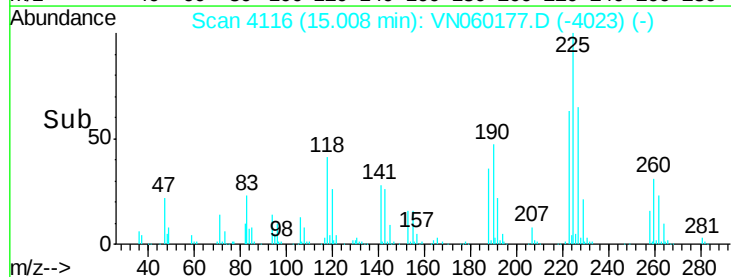
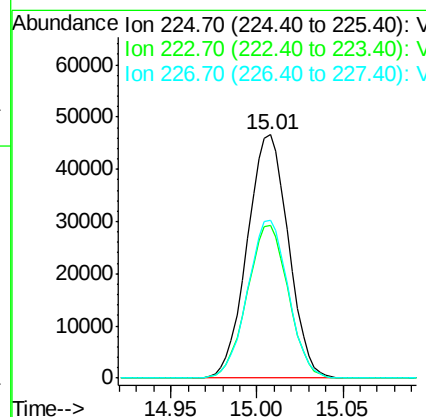
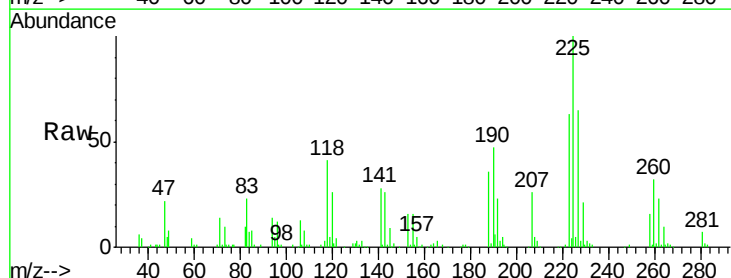
Manual Integrations
 APPROVED

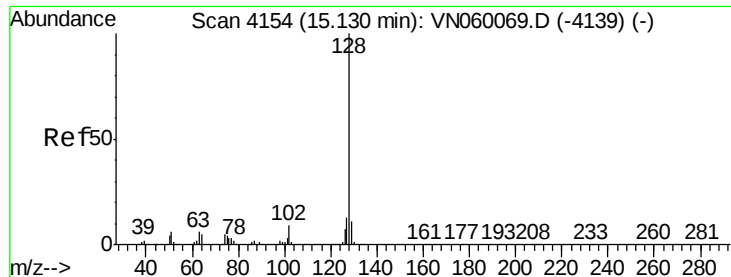
MMDadoda
 2/21/2020 9:15:09 AM



#94
 Hexachlorobutadiene
 Concen: 43.817 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77320		
223	62.9	31.5	94.5	
227	64.2	31.8	95.4	





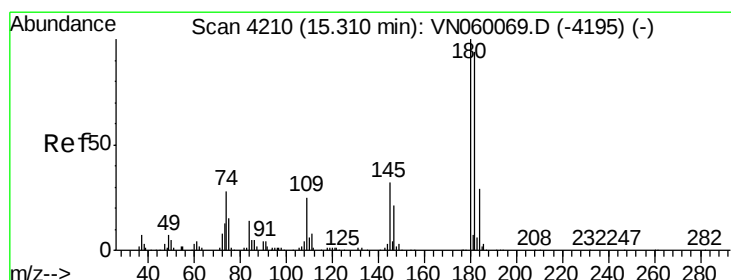
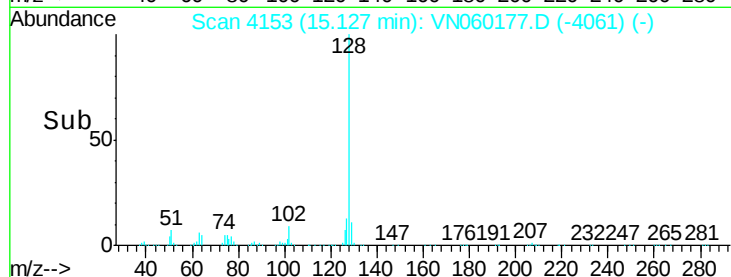
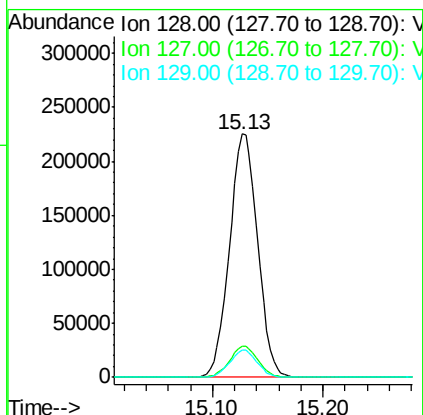
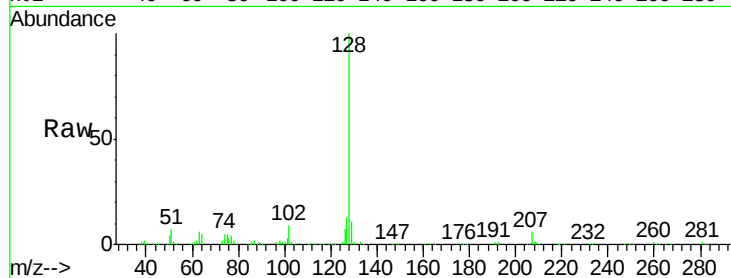
#95
Naphthalene
Concen: 48.864 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/21/2020 9:15:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.800 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.5
145	32.0	16.1	48.3

