

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060223.D
 Acq On : 25 Feb 2020 11:03
 Operator : JC/MD
 Sample : VN0225WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 10:45:10 AM

Quant Time: Feb 25 16:03:42 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	180349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	280323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	262183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127520	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	110643	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	7.57	113	88706	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.08	98	334428	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.40	95	121804	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31208	17.312	ug/l	98
3) Chloromethane	2.04	50	36457	16.994	ug/l	99
4) Vinyl Chloride	2.17	62	40961	16.751	ug/l	99
5) Bromomethane	2.55	94	26568	17.719	ug/l	93
6) Chloroethane	2.69	64	21151	17.102	ug/l	97
7) Trichlorofluoromethane	3.00	101	55702	17.668	ug/l	100
8) Diethyl Ether	3.39	74	19691	18.763	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31423	17.953	ug/l	98
10) Methyl Iodide	3.93	142	40708	18.933	ug/l	100
11) Tert butyl alcohol	4.73	59	30188	91.924	ug/l #	84
12) 1,1-Dichloroethene	3.72	96	30137	17.674	ug/l	98
13) Acrolein	3.58	56	27047	83.323	ug/l	96
14) Allyl chloride	4.30	41	44105	17.574	ug/l	97
15) Acrylonitrile	4.95	53	79082	98.606	ug/l	98
16) Acetone	3.78	43	72550	75.790	ug/l	99
17) Carbon Disulfide	4.03	76	82107	15.976	ug/l	98
18) Methyl Acetate	4.29	43	36627	20.369	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	108119	18.855	ug/l	99
20) Methylene Chloride	4.52	84	35333	18.501	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	33376	17.956	ug/l	93
22) Diisopropyl ether	5.92	45	104289	18.961	ug/l	99
23) Vinyl Acetate	5.86	43	431798	93.485	ug/l	100
24) 1,1-Dichloroethane	5.82	63	60802	18.248	ug/l	99
25) 2-Butanone	6.80	43	103955	86.348	ug/l	100
26) 2,2-Dichloropropane	6.79	77	55761	17.619	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	39541	18.177	ug/l	98
28) Bromochloromethane	7.17	49	26433	20.179	ug/l	97
29) Tetrahydrofuran	7.18	42	68636	92.930	ug/l	98
30) Chloroform	7.35	83	65972	18.901	ug/l	97
31) Cyclohexane	7.63	56	54360	17.514	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	57775	18.114	ug/l	100
36) 1,1-Dichloropropene	7.77	75	46282	17.825	ug/l	99
37) Ethyl Acetate	6.90	43	43835	18.680	ug/l	100
38) Carbon Tetrachloride	7.75	117	50399	17.873	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	56519	17.536	ug/l	99
40) Benzene	8.02	78	140497	18.241	ug/l	99
41) Methacrylonitrile	7.15	41	18513m	18.812	ug/l	
42) 1,2-Dichloroethane	8.10	62	52378	19.403	ug/l	99
43) Isopropyl Acetate	8.14	43	75856	18.910	ug/l	100
44) Trichloroethene	8.82	130	38739	18.165	ug/l	97
45) 1,2-Dichloropropane	9.10	63	37167	19.491	ug/l	97
46) Dibromomethane	9.19	93	25090	18.619	ug/l	97
47) Bromodichloromethane	9.39	83	51605	18.837	ug/l	98
48) Methyl methacrylate	9.18	41	33094	18.388	ug/l	99
49) 1,4-Dioxane	9.18	88	11720	381.132	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	219030	94.335	ug/l	100
52) Toluene	10.14	92	90492	18.322	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	57557	18.613	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	61354	18.842	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	36349	18.864	ug/l	96
56) Ethyl methacrylate	10.42	69	49741	18.248	ug/l	98
57) 1,3-Dichloropropane	10.70	76	59758	18.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	117545	92.565	ug/l	98
59) 2-Hexanone	10.74	43	158280	88.249	ug/l	100
60) Dibromochloromethane	10.89	129	41892	18.946	ug/l	99
61) 1,2-Dibromoethane	11.00	107	37826	18.727	ug/l	99
64) Tetrachloroethene	10.62	164	36528	18.327	ug/l	98
65) Chlorobenzene	11.43	112	97800	18.309	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	37888	18.750	ug/l	98
67) Ethyl Benzene	11.51	91	175221	18.188	ug/l	99
68) m/p-Xylenes	11.62	106	131289	36.310	ug/l	100
69) o-Xylene	11.94	106	64160	18.429	ug/l	100
70) Styrene	11.96	104	99030	17.640	ug/l	99
71) Bromoform	12.12	173	29643	18.239	ug/l #	98
73) Isopropylbenzene	12.25	105	171996	18.062	ug/l	99
74) N-amyl acetate	12.07	43	62504	18.203	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	52276	19.072	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	44591m	18.277	ug/l	
77) Bromobenzene	12.52	156	43079	18.229	ug/l	96
78) n-propylbenzene	12.59	91	194263	17.906	ug/l	100
79) 2-Chlorotoluene	12.67	91	114481	17.952	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	144165	18.208	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	17649	17.712	ug/l	98
82) 4-Chlorotoluene	12.77	91	117748	17.997	ug/l	98
83) tert-Butylbenzene	12.99	119	126136	18.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	144479	18.486	ug/l	99
85) sec-Butylbenzene	13.17	105	163673	17.645	ug/l	99
86) p-Isopropyltoluene	13.29	119	149139	17.746	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	75236	17.986	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	75425	18.034	ug/l	99
89) n-Butylbenzene	13.61	91	129662	17.541	ug/l	99
90) Hexachloroethane	13.87	117	27724	17.658	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	75545	18.454	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10702	17.867	ug/l	95

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ClientSampleId :
VN0225WBSD01

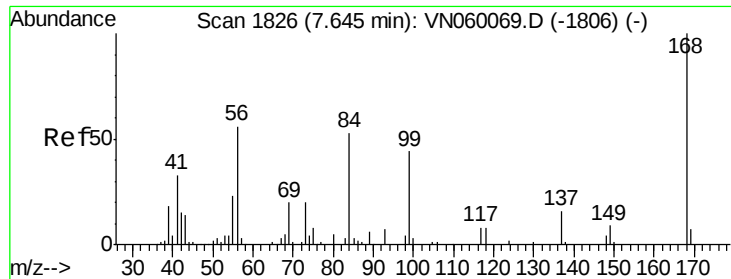
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	43436	18.058	ug/l	99
94) Hexachlorobutadiene	15.01	225	25653	18.217	ug/l	100
95) Naphthalene	15.13	128	116330	17.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44033	18.382	ug/l	100

(#) = 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: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion:168 Resp: 180349

Ion Ratio Lower Upper

168 100

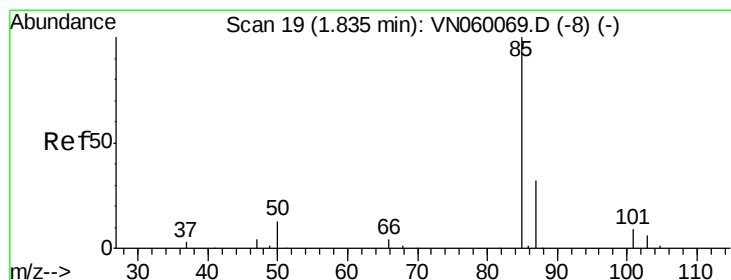
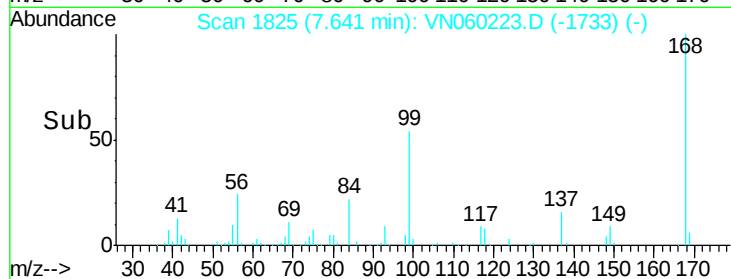
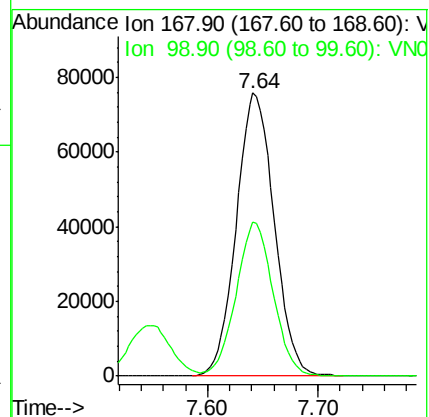
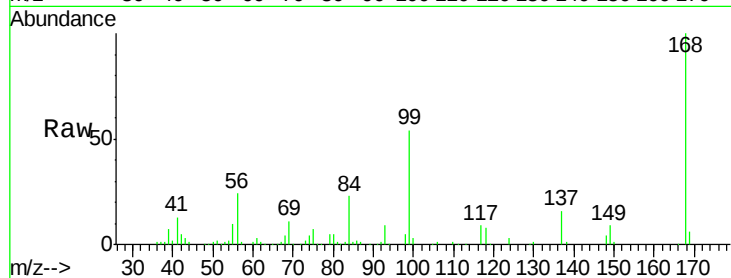
99 54.4 42.7 64.1

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#2

Dichlorodifluoromethane

Concen: 17.312 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060223.D

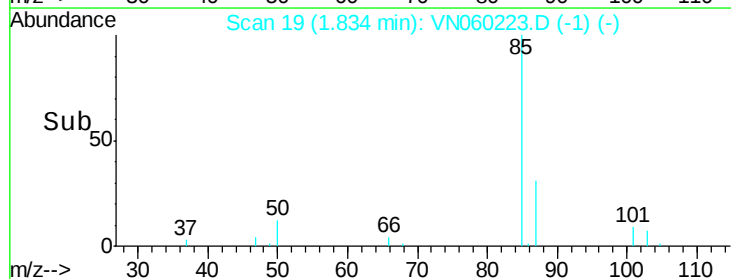
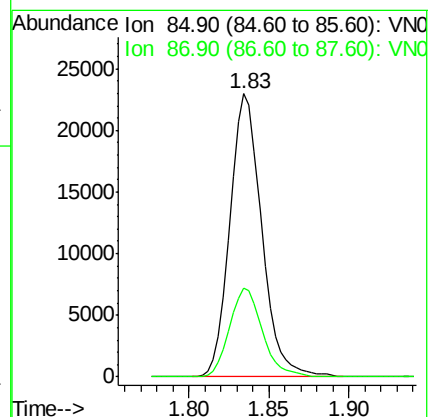
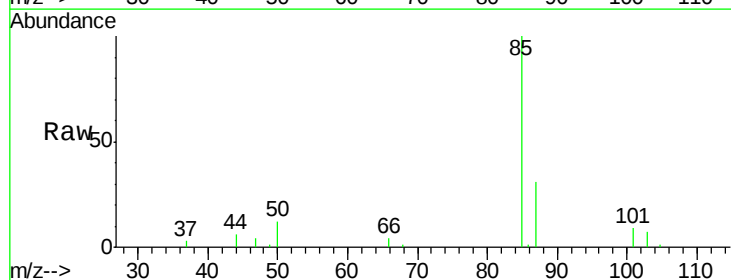
Acq: 25 Feb 2020 11:03

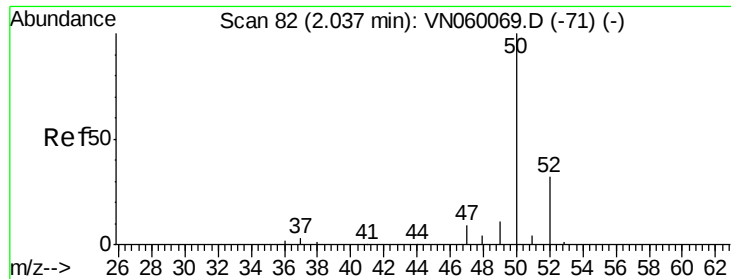
Tgt Ion: 85 Resp: 31208

Ion Ratio Lower Upper

85 100

87 31.2 16.1 48.2





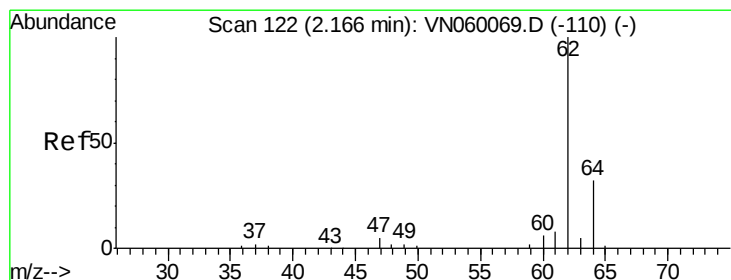
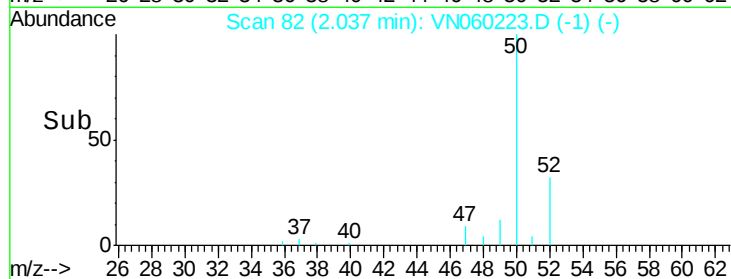
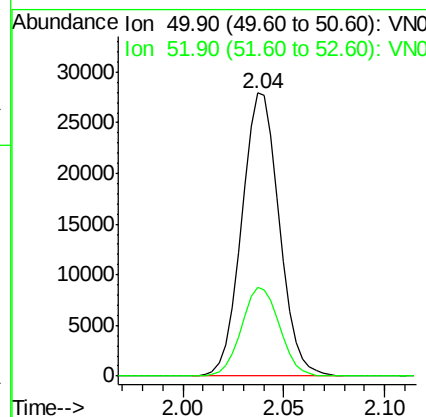
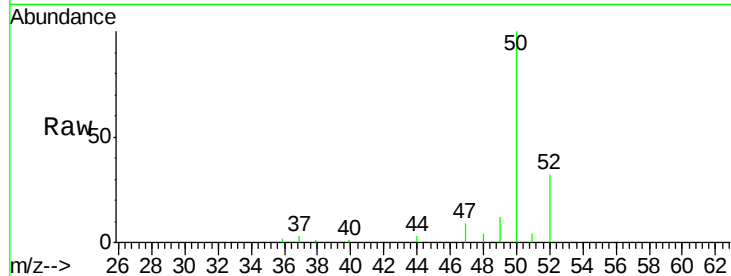
#3
Chloromethane
Concen: 16.994 ug/l
RT: 2.04 min Scan# 82
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.6	38.4

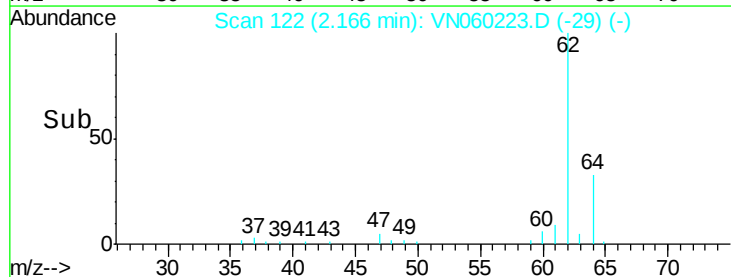
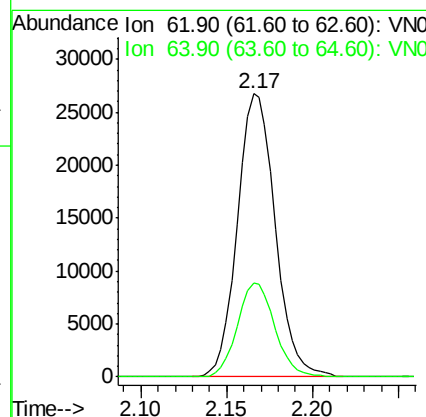
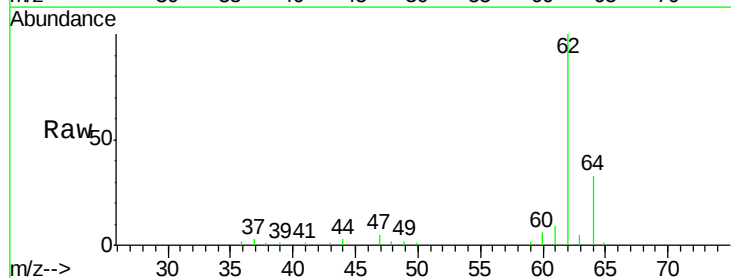
Manual Integrations
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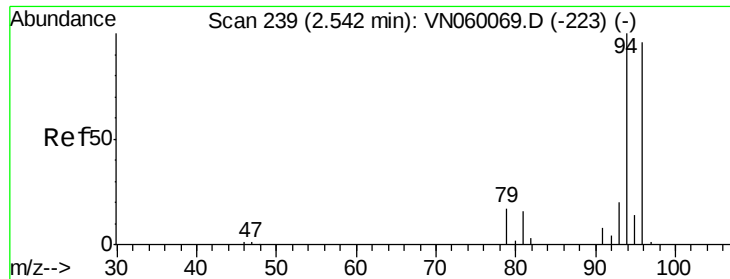
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#4
Vinyl Chloride
Concen: 16.751 ug/l
RT: 2.17 min Scan# 122
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.2	25.9	38.9





#5

Bromomethane

Concen: 17.719 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion: 94 Resp: 26568

Ion Ratio Lower Upper

94 100

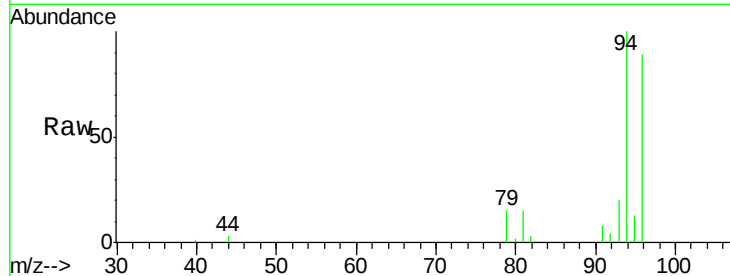
96 88.8 76.7 115.1

Manual Integrations

APPROVED

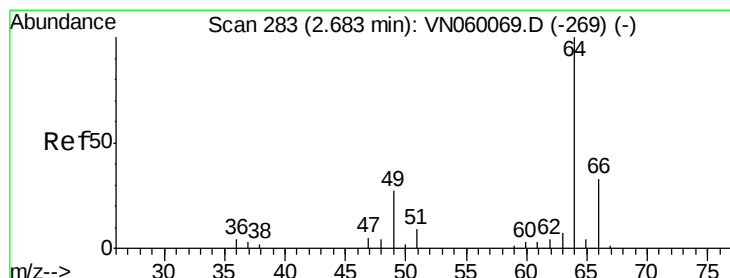
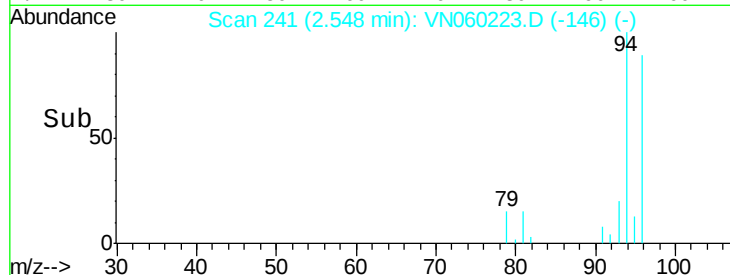
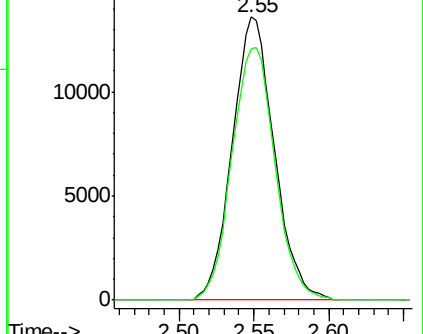
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.102 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN060223.D

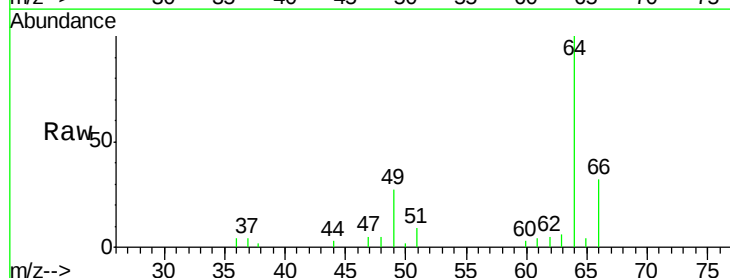
Acq: 25 Feb 2020 11:03

Tgt Ion: 64 Resp: 21151

Ion Ratio Lower Upper

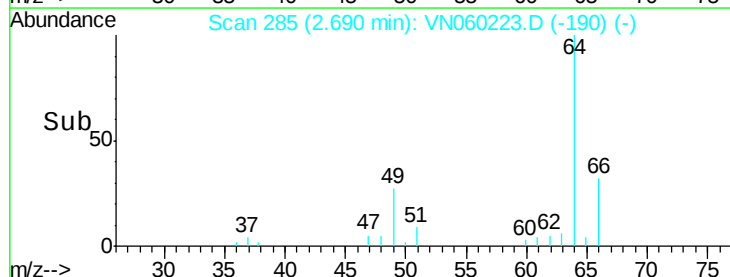
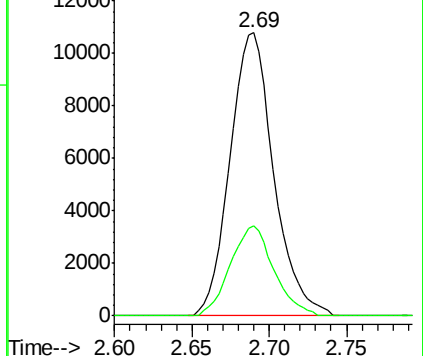
64 100

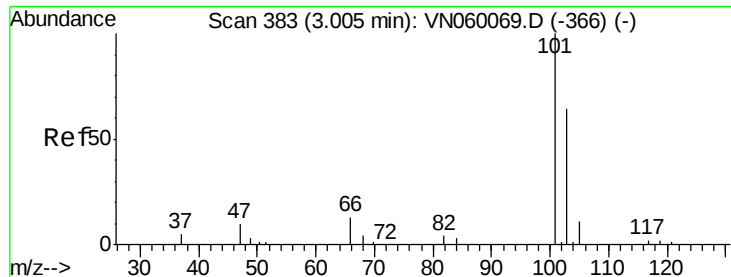
66 31.8 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

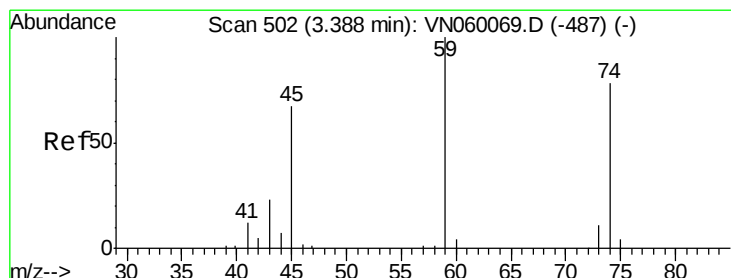
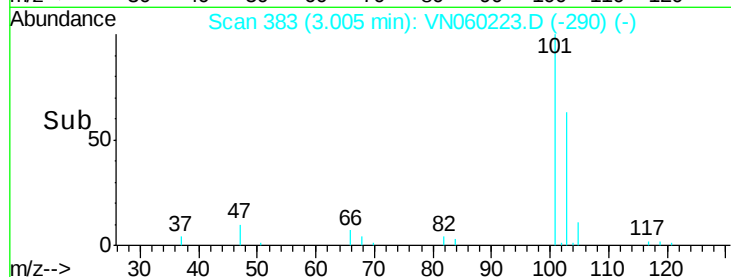
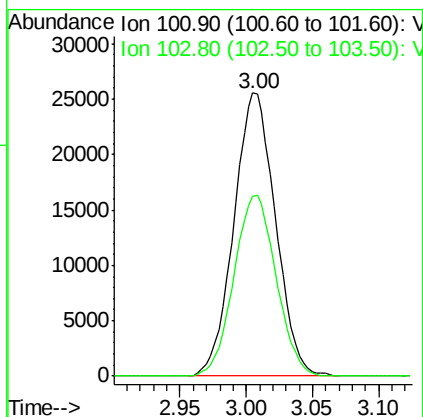
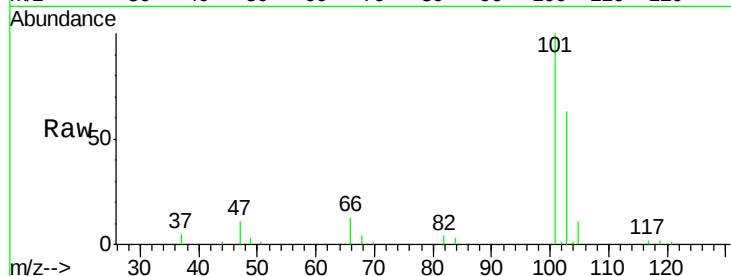
Trichlorofluoromethane
 Concen: 17.668 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.0	76.6

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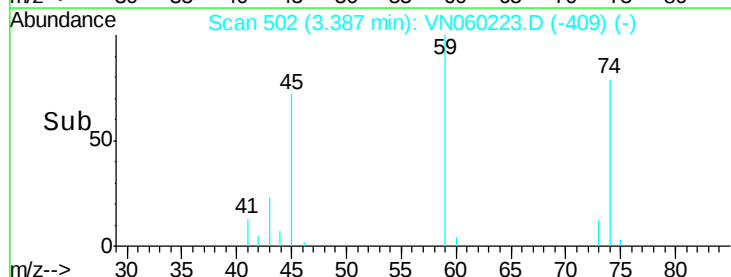
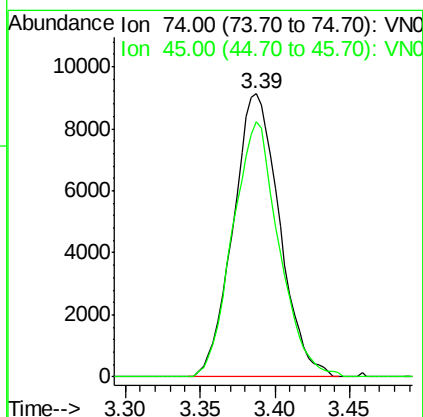
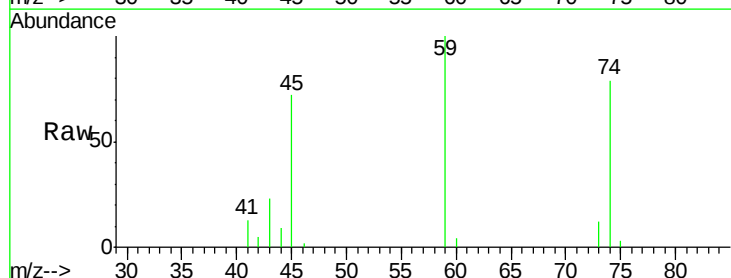
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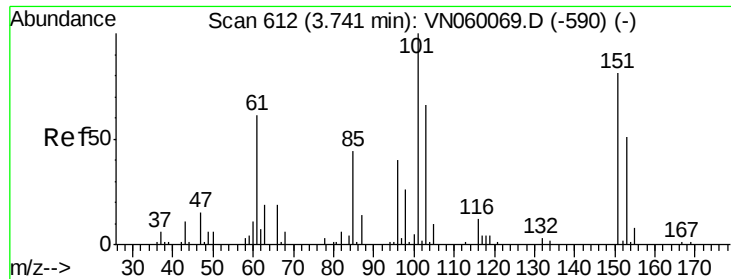


#8

Diethyl Ether
 Concen: 18.763 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.9	44.7	134.1





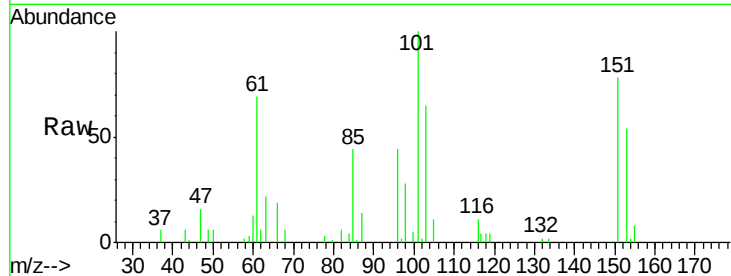
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.953 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN060223.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	46.3	35.1	52.7
151	80.6	65.8	98.6

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 2/26/2020 10:45:10 AM

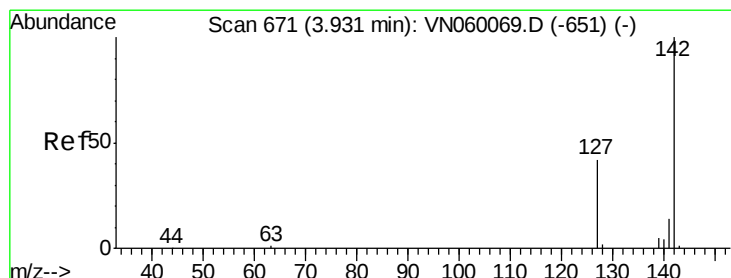
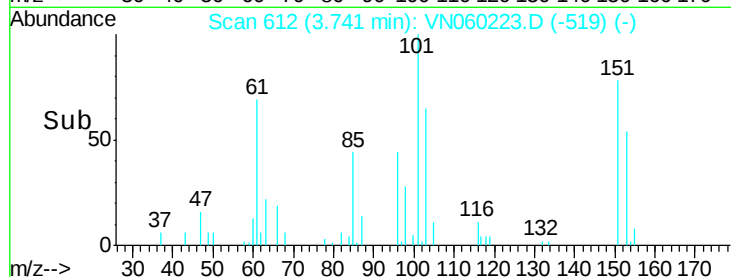
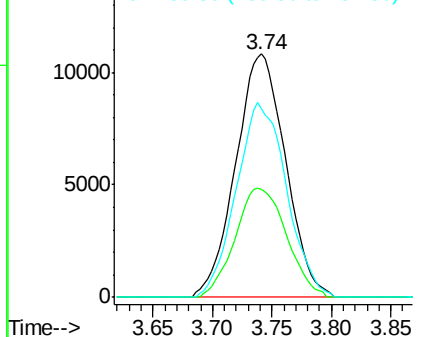


Abundance

Ion 100.90 (100.60 to 101.60): V

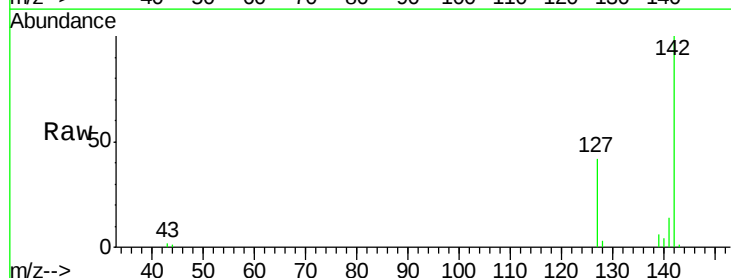
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 18.933 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.0	33.6	50.4
141	13.6	11.4	17.2

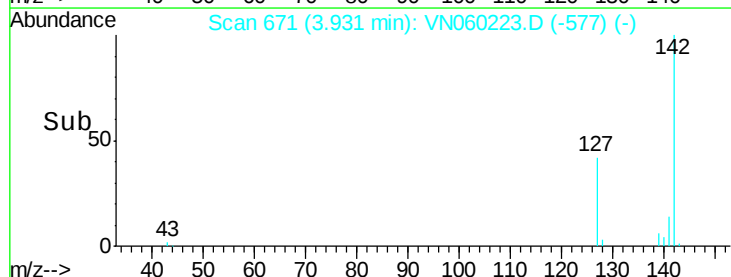
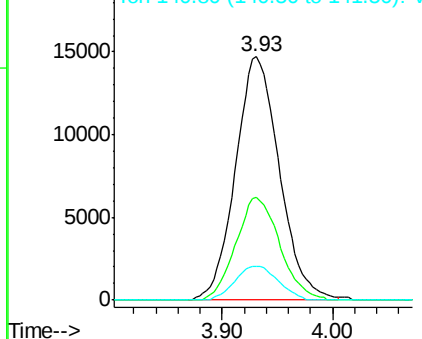


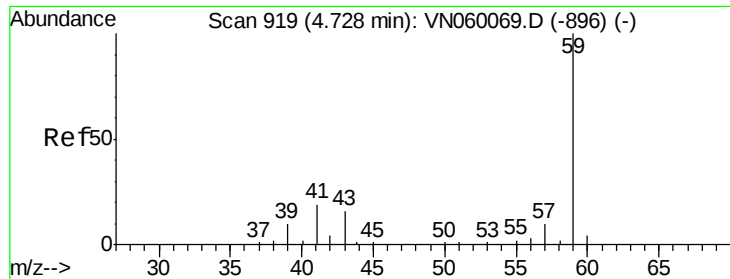
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





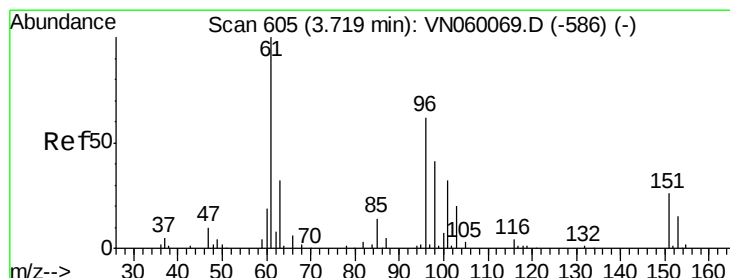
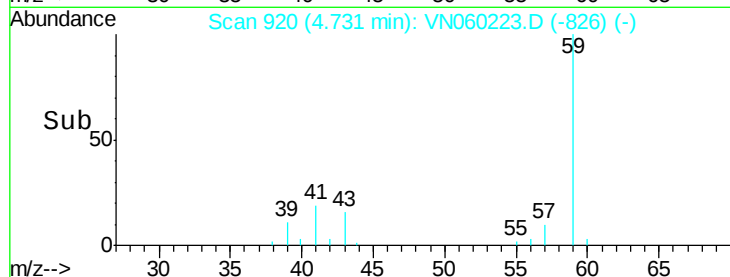
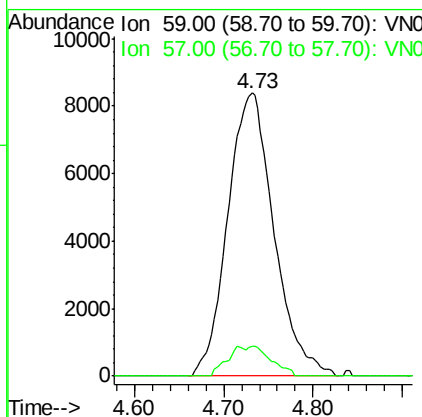
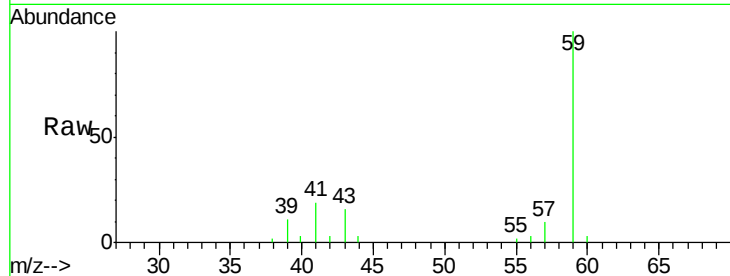
#11
Tert butyl alcohol
Concen: 91.924 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	30188		
57	4.4		8.2	12.4#

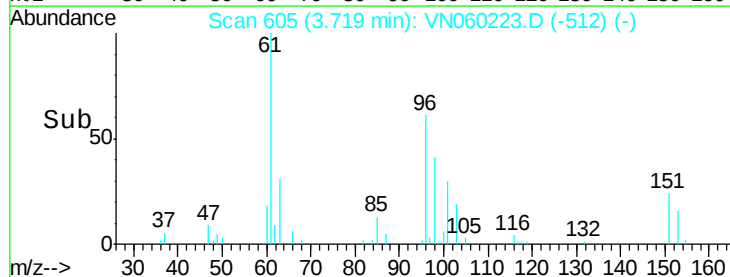
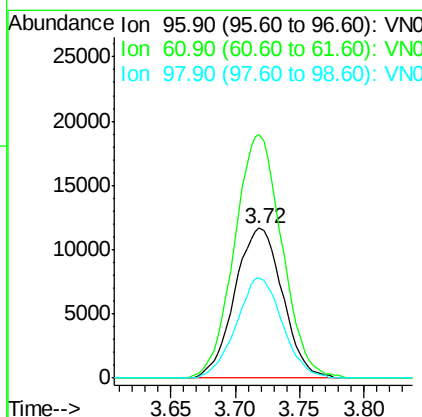
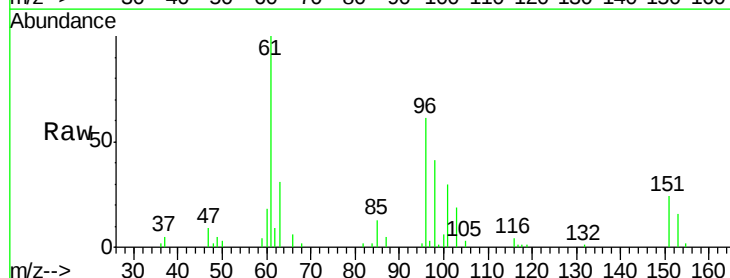
Manual Integrations
APPROVED

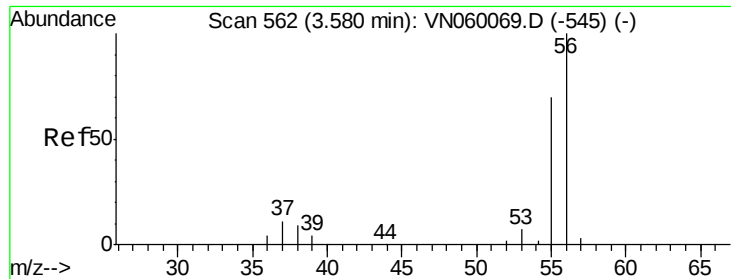
MMDadoda
2/26/2020 10:45:10 AM



#12
1,1-Dichloroethene
Concen: 17.674 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	30137		
61	162.8		128.3	192.5
98	67.2		52.2	78.4





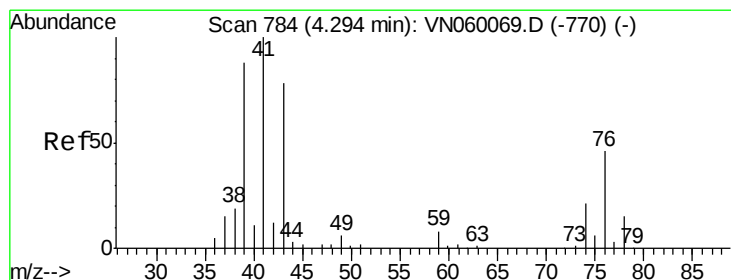
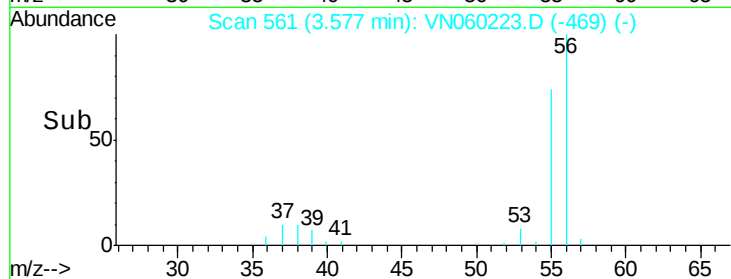
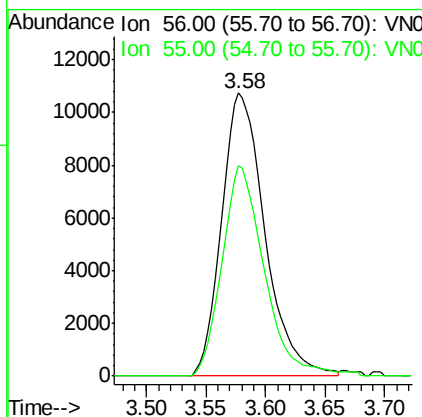
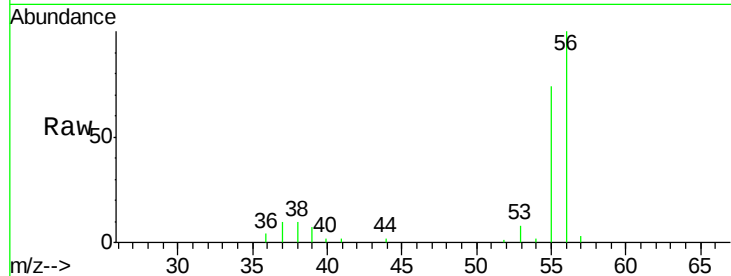
#13
Acrolein
Concen: 83.323 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	56	Resp	27047
Ion Ratio	100	Lower	Upper
56	100		
55	72.1	54.8	82.2

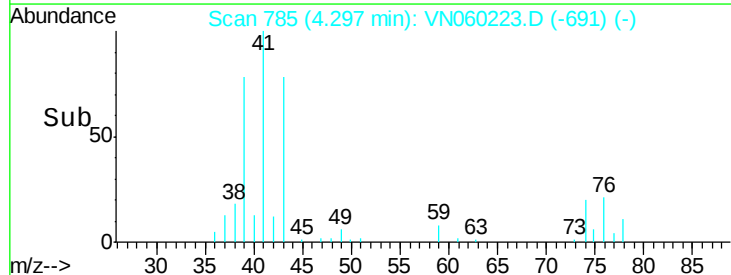
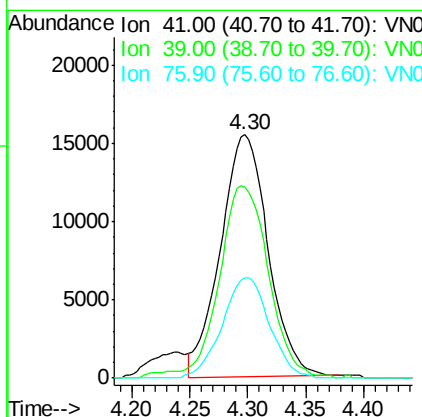
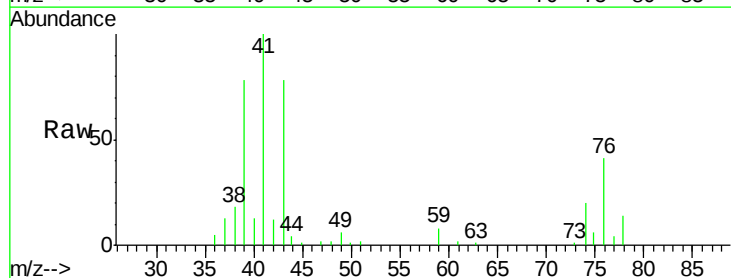
Manual Integrations
APPROVED

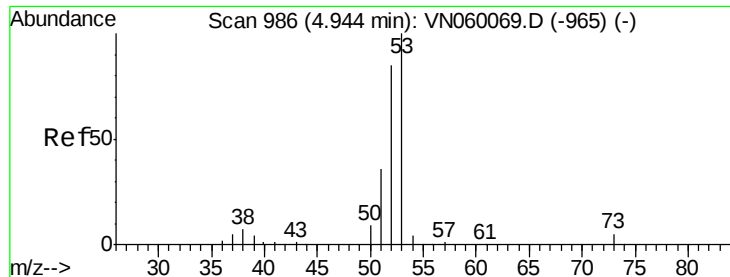
MMDadoda
2/26/2020 10:45:10 AM



#14
Allyl chloride
Concen: 17.574 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	41	Resp	44105
Ion Ratio	100	Lower	Upper
41	100		
39	81.6	67.8	101.8
76	41.2	33.9	50.9





#15

Acrylonitrile

Concen: 98.606 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

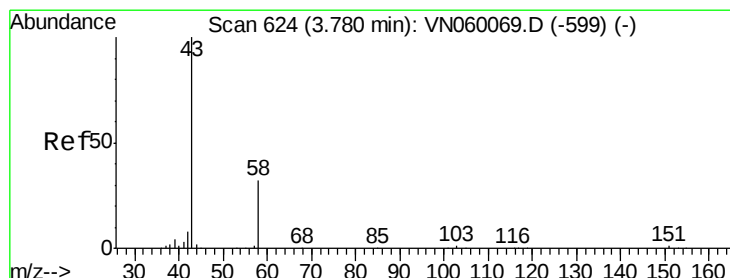
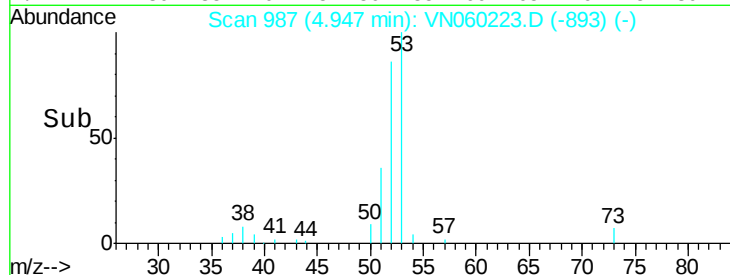
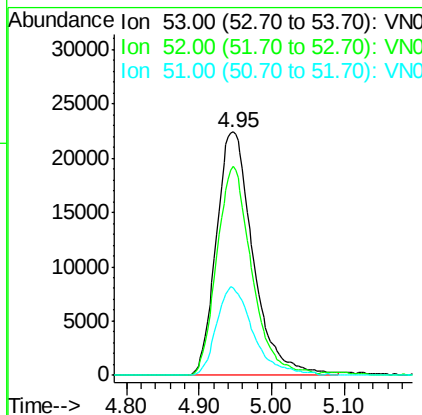
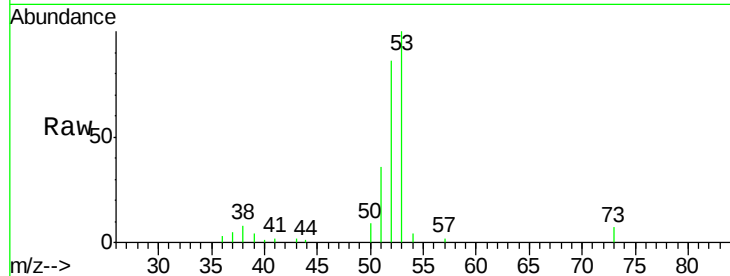
ClientSampleId :

VN0225WBSD01

Tot Ion:	53	Resp:	79082
Ion	Ratio	Lower	Upper
53	100		
52	80.7	66.8	100.2
51	36.2	29.4	44.0

Manual Integrations
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MMDadoda
2/26/2020 10:45:10 AM



#16

Acetone

Concen: 75.790 ug/l

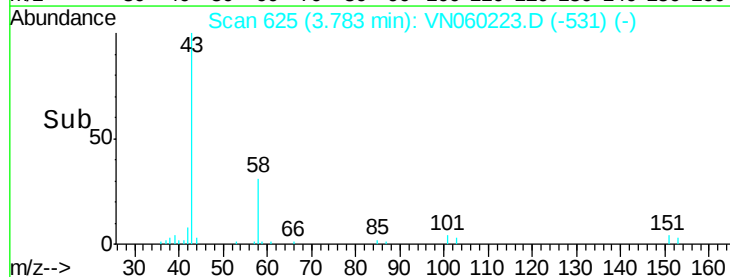
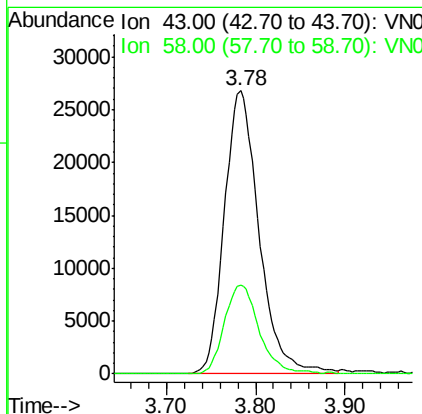
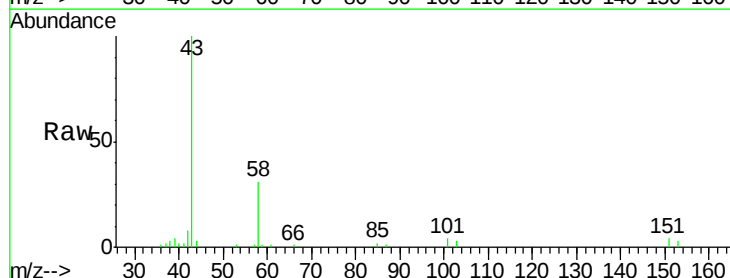
RT: 3.78 min Scan# 625

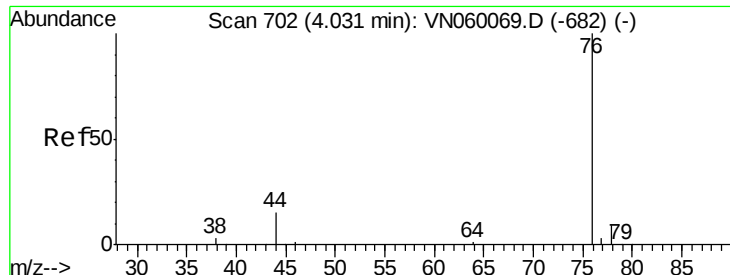
Delta R.T. 0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Tgt Ion:	43	Resp:	72550
Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.2	37.8





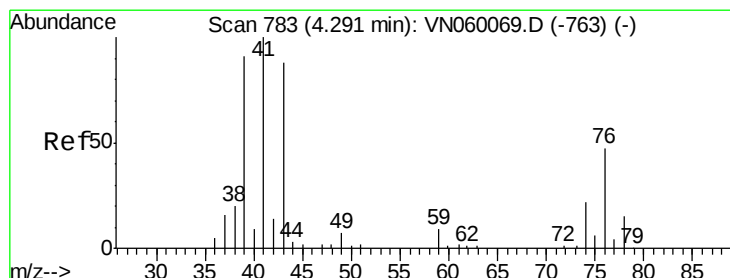
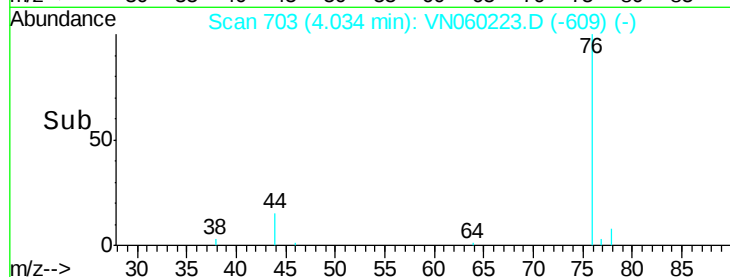
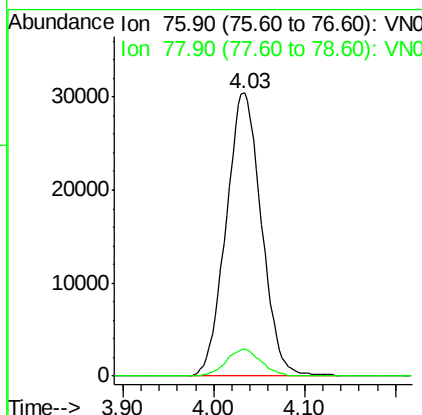
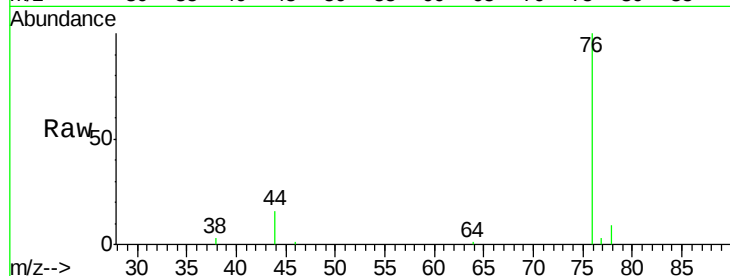
#17
Carbon Disulfide
Concen: 15.976 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	76	Resp	82107
Ion Ratio	Lower	Upper	
76	100		
78	9.5	7.0	10.6

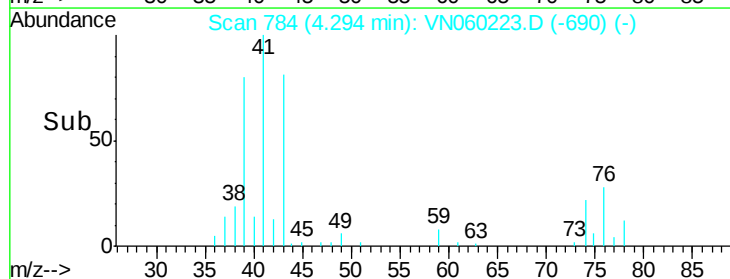
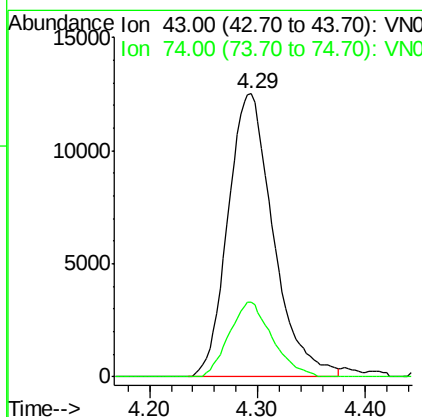
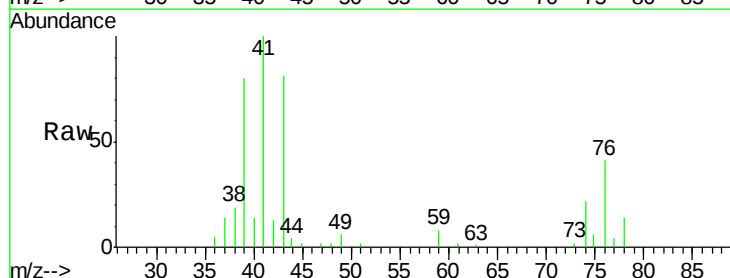
Manual Integrations
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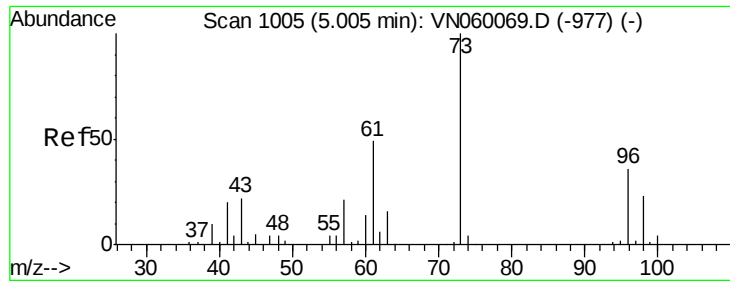
MMDadoda
2/26/2020 10:45:10 AM



#18
Methyl Acetate
Concen: 20.369 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	43	Resp	36627
Ion Ratio	Lower	Upper	
43	100		
74	25.1	20.3	30.5





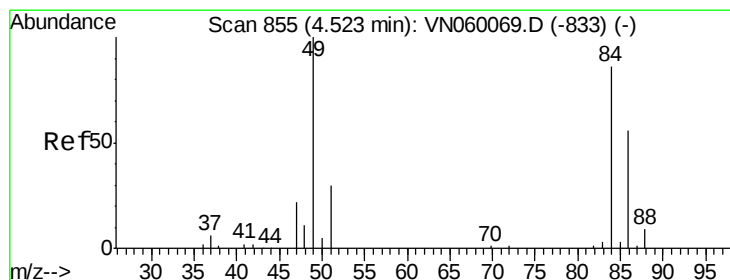
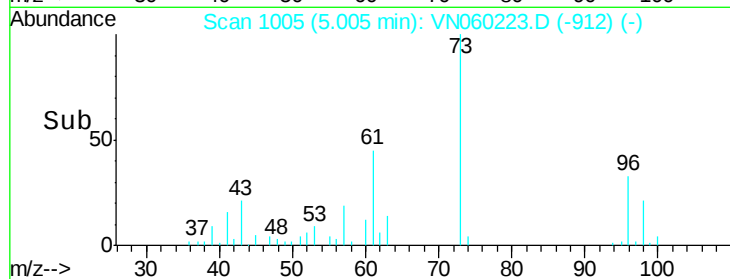
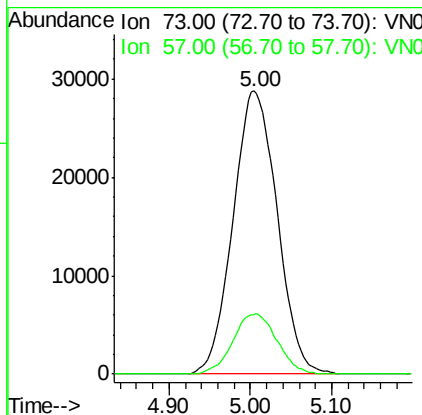
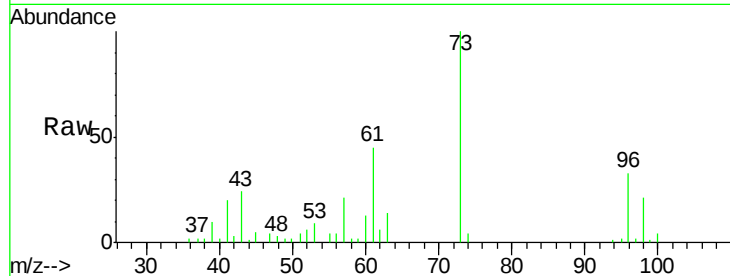
#19
Methvl tert-butvl Ether
Concen: 18.855 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion: 73 Resp: 108119
Ion Ratio Lower Upper
73 100
57 21.0 17.2 25.8

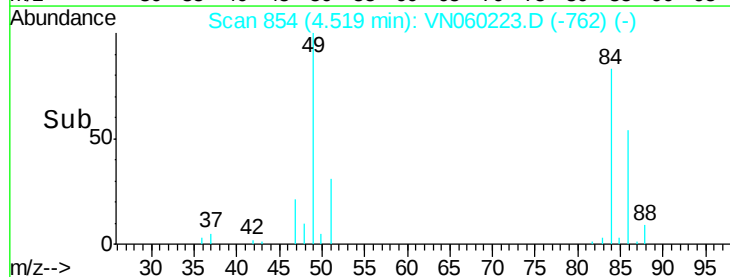
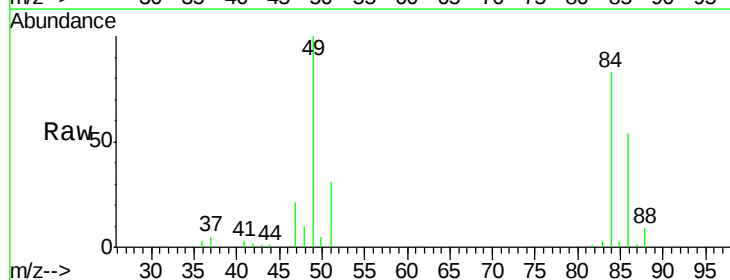
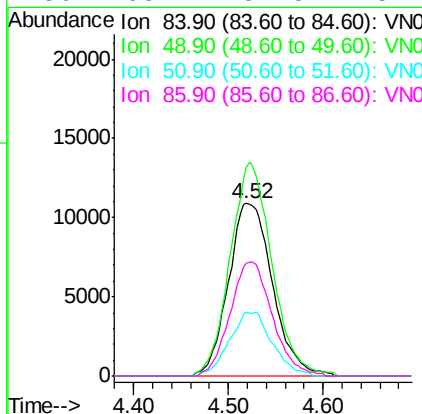
Manual Integrations
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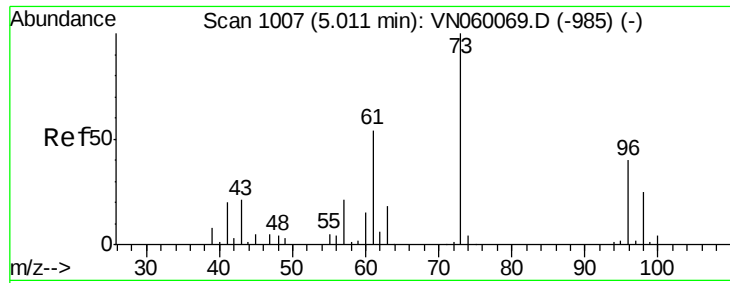
MMDadoda
2/26/2020 10:45:10 AM



#20
Methylene Chloride
Concen: 18.501 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion: 84 Resp: 35333
Ion Ratio Lower Upper
84 100
49 120.8 93.4 140.0
51 36.9 28.4 42.6
86 65.4 52.5 78.7





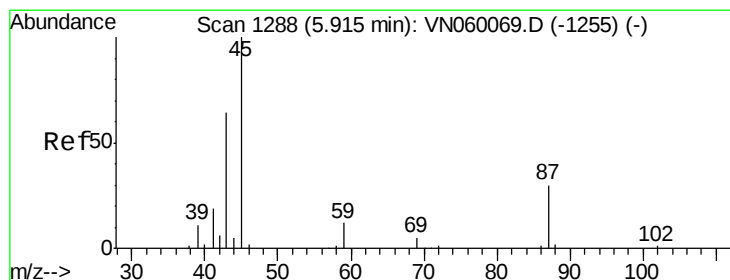
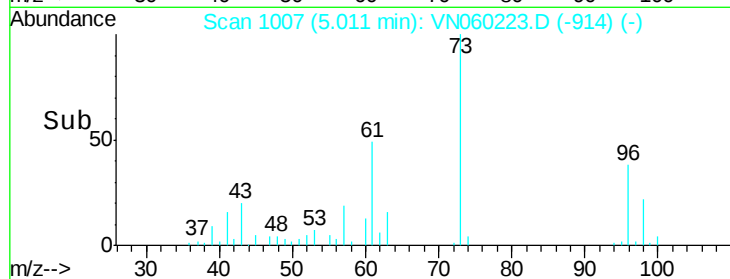
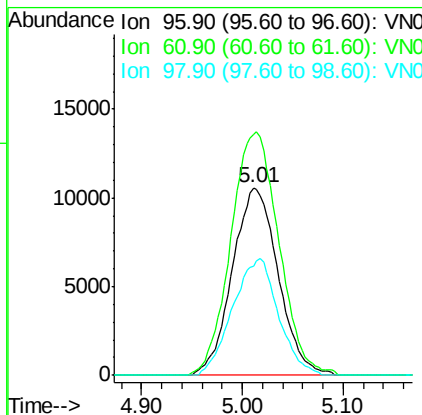
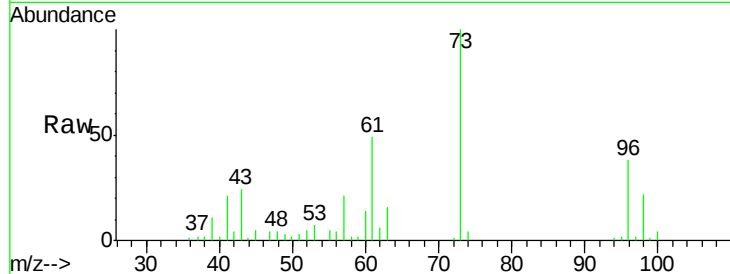
#21
trans-1,2-Dichloroethene
Concen: 17.956 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.6	109.3	163.9
98	58.4	51.0	76.6

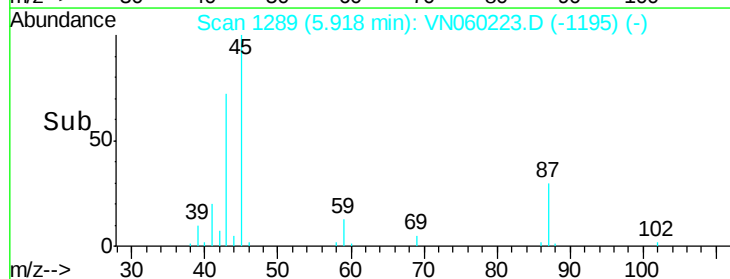
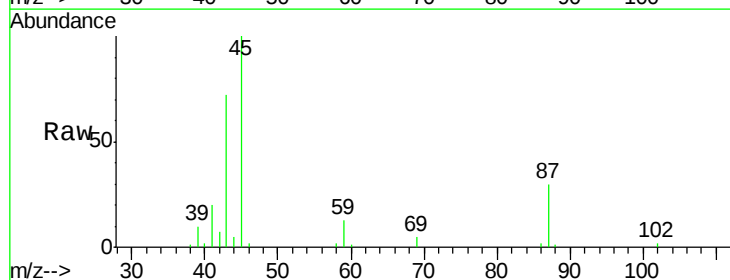
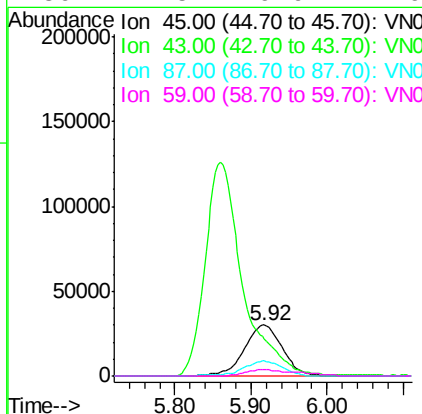
Manual Integrations
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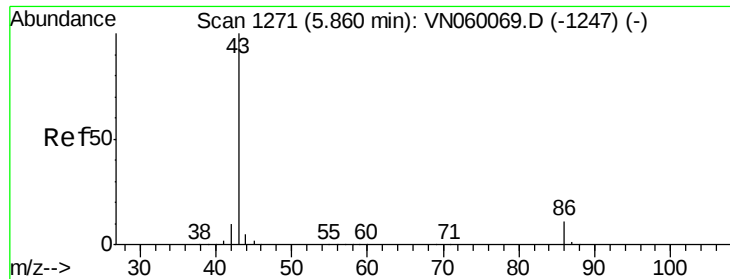
MMDadoda
2/26/2020 10:45:10 AM



#22
Diisopropyl ether
Concen: 18.961 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.0	55.9	83.9
87	29.8	24.5	36.7
59	12.5	9.9	14.9





#23

Vinyl Acetate

Concen: 93.485 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampleID :

VN0225WBSD01

Tot Ion: 43 Resp: 431798

Ion Ratio Lower Upper

43 100

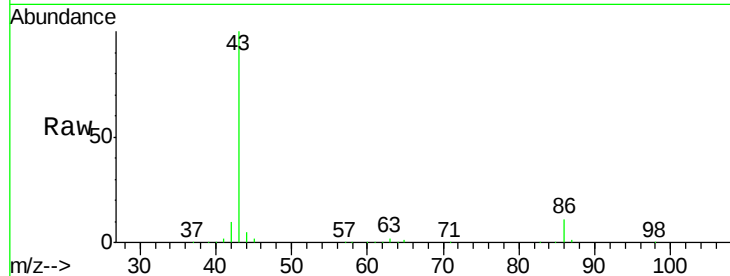
86 11.0 8.9 13.3

Manual Integrations

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MMDadoda

2/26/2020 10:45:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

150000

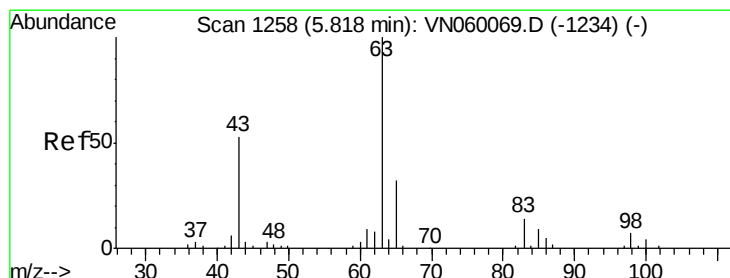
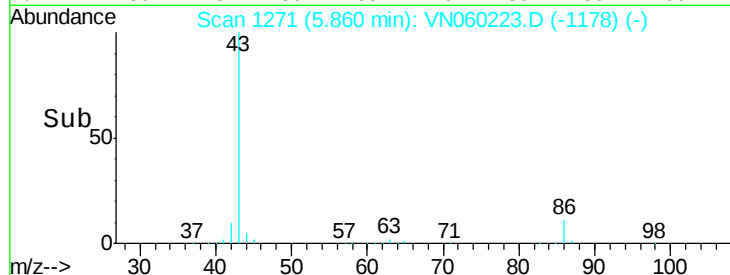
100000

50000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 18.248 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

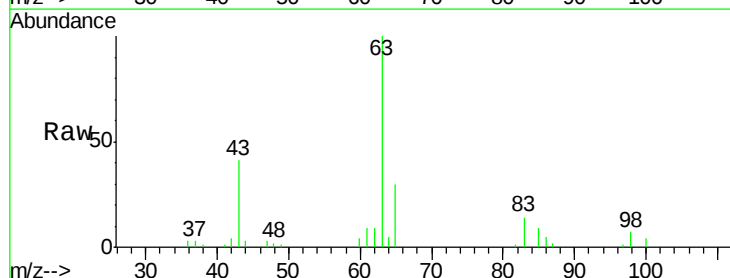
Tgt Ion: 63 Resp: 60802

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.0 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

25000

20000

15000

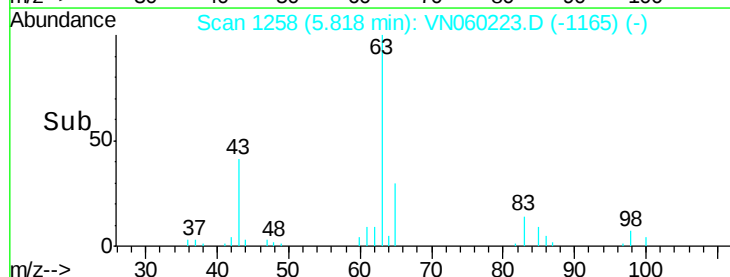
10000

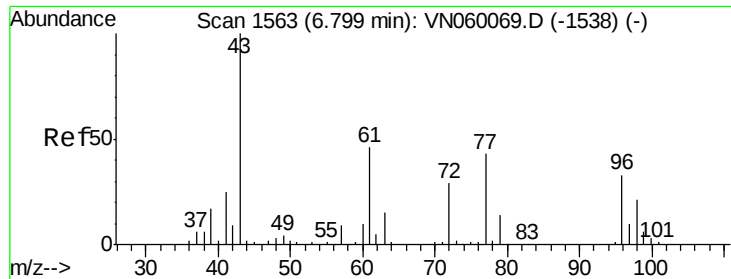
5000

0

Time-->

5.70 5.80 5.90





#25

2-Butanone

Concen: 86.348 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion: 43 Resp: 103955

Ion Ratio Lower Upper

43 100

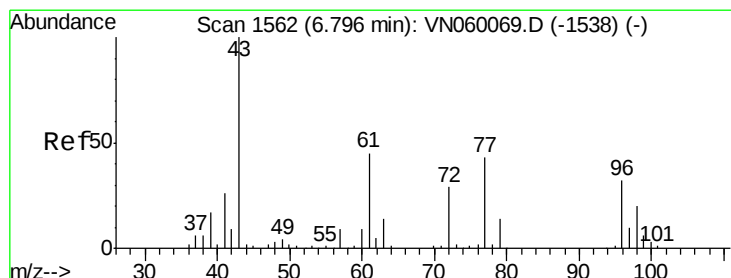
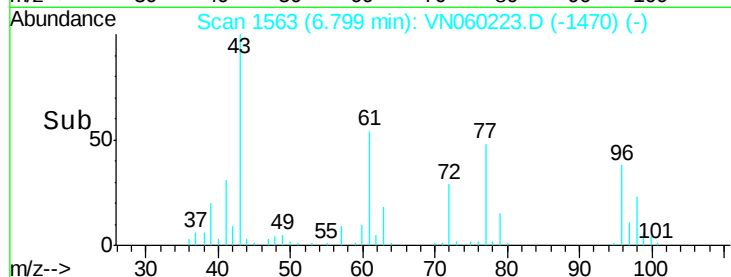
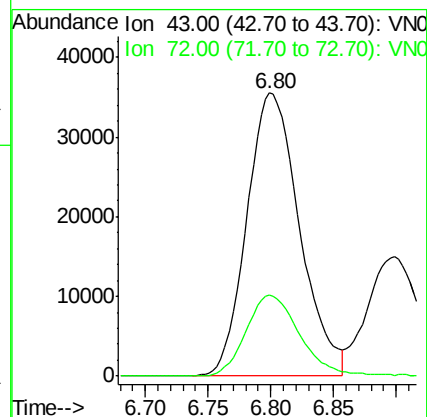
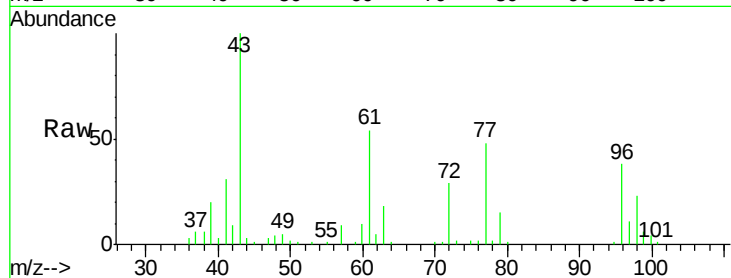
72 28.8 23.3 34.9

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#26

2,2-Dichloropropane

Concen: 17.619 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060223.D

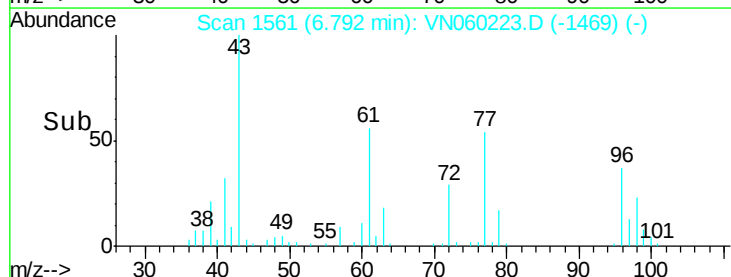
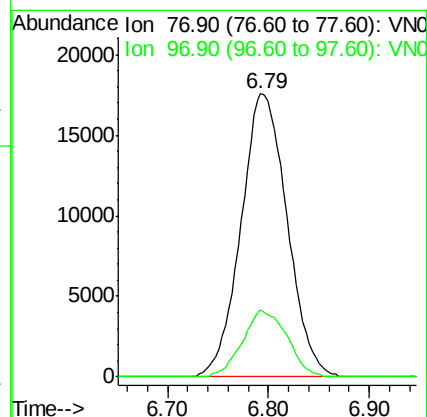
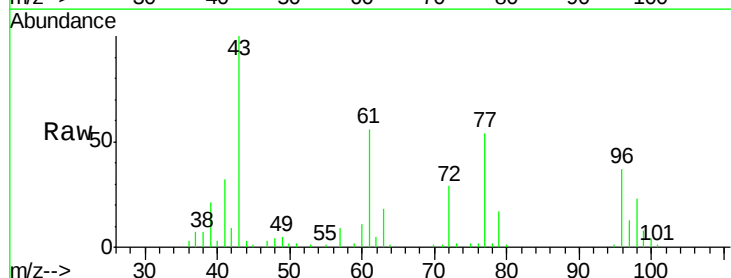
Acq: 25 Feb 2020 11:03

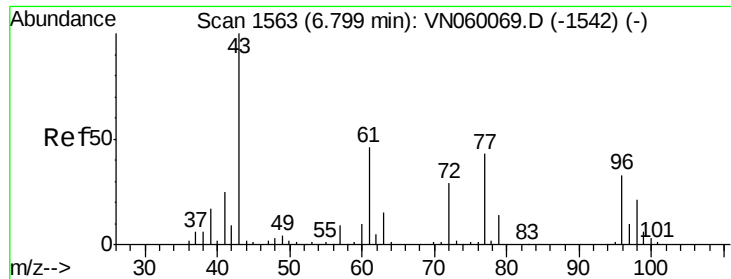
Tgt Ion: 77 Resp: 55761

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 18.177 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

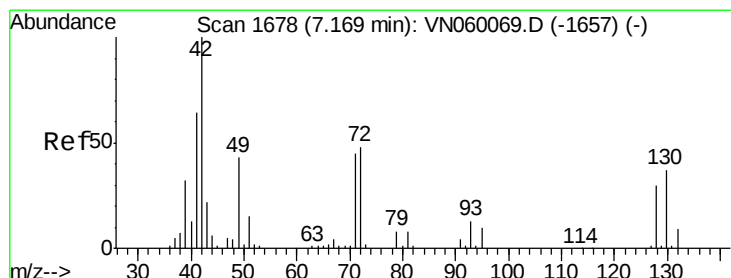
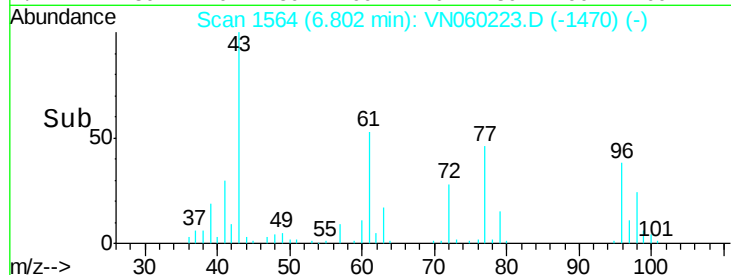
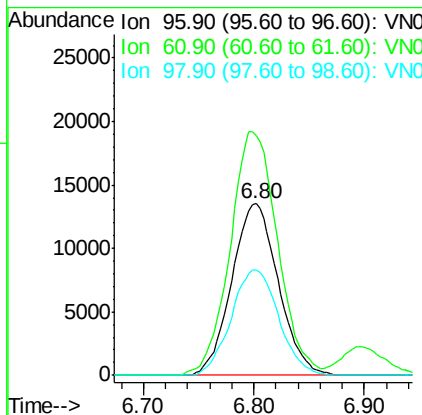
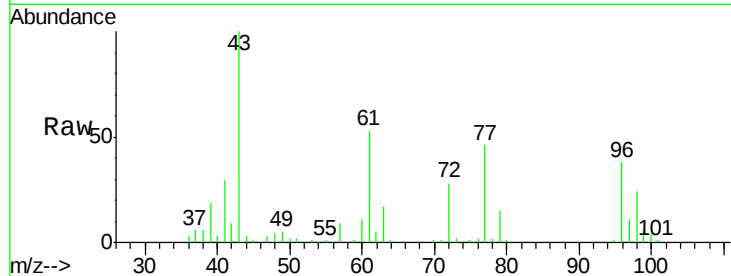
ClientSampleId :

VN0225WBSD01

Tot Ion:	96	Resp:	39541
Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	285.8
98	62.9	0.0	129.6

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#28

Bromochloromethane

Concen: 20.179 ug/l

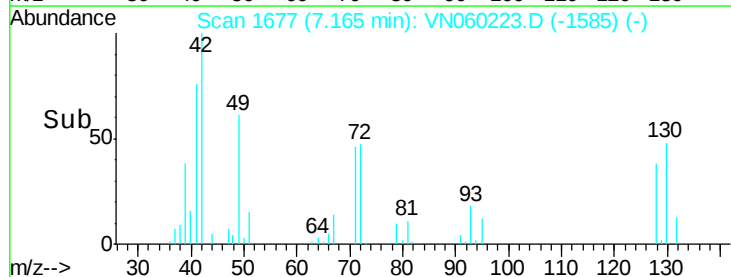
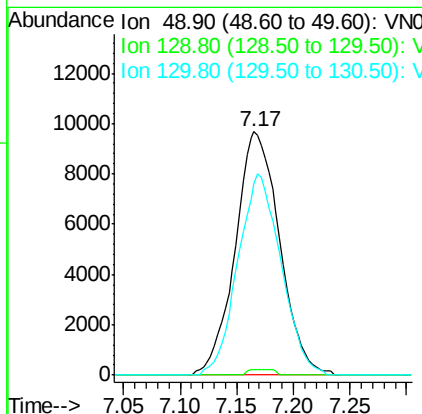
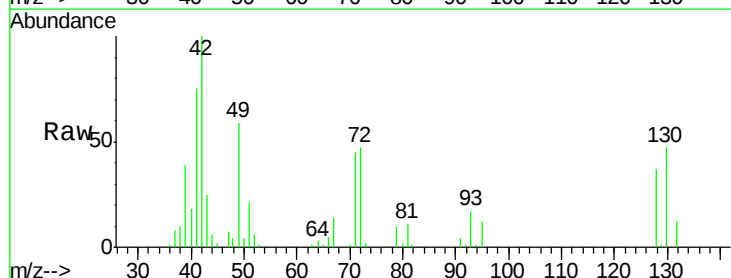
RT: 7.17 min Scan# 1677

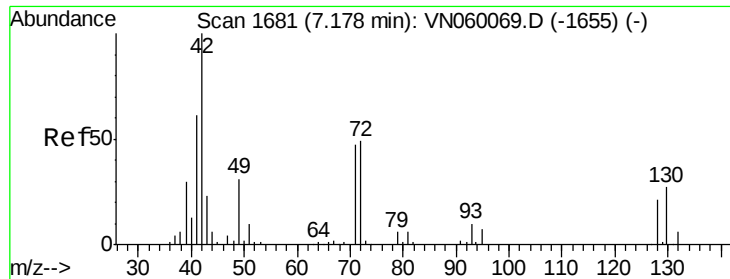
Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Tgt Ion:	49	Resp:	26433
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.2
130	80.3	66.8	100.2





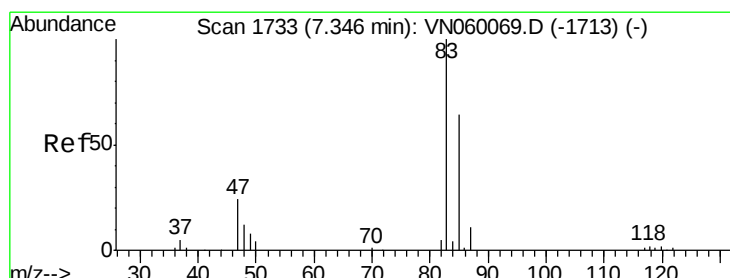
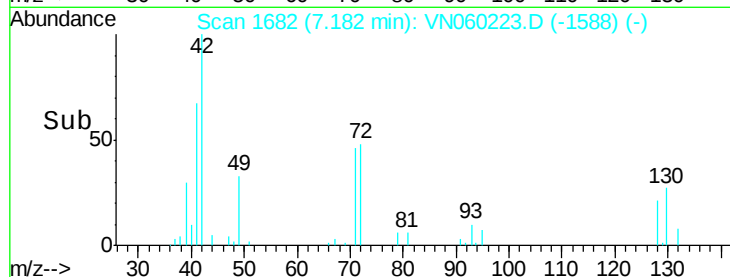
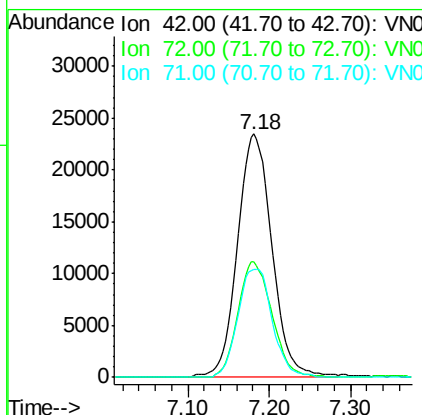
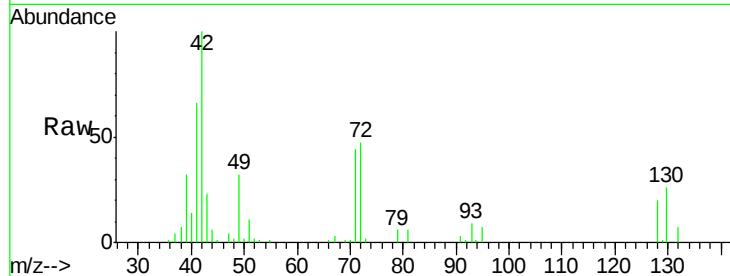
#29
Tetrahydrofuran
Concen: 92.930 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	38.2	57.4
71	44.2	36.6	54.8

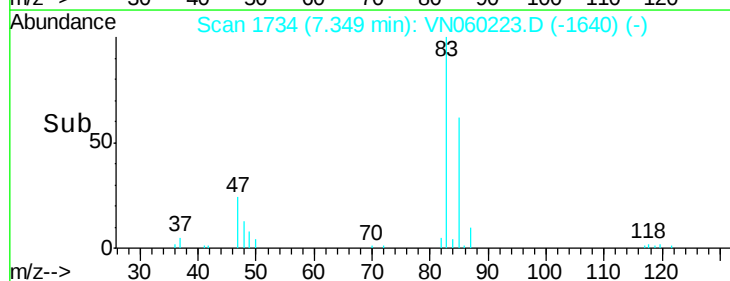
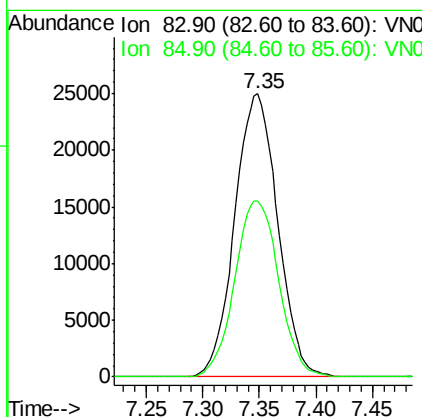
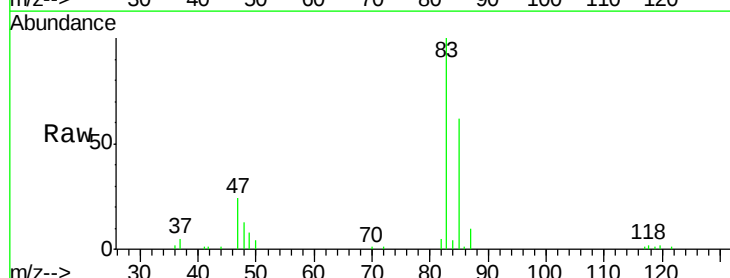
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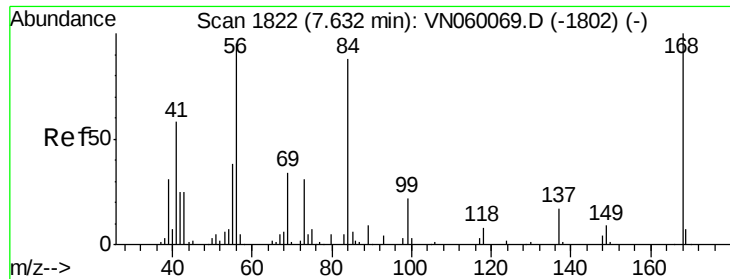
MMDadoda
2/26/2020 10:45:10 AM



#30
Chloroform
Concen: 18.901 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.4	77.0





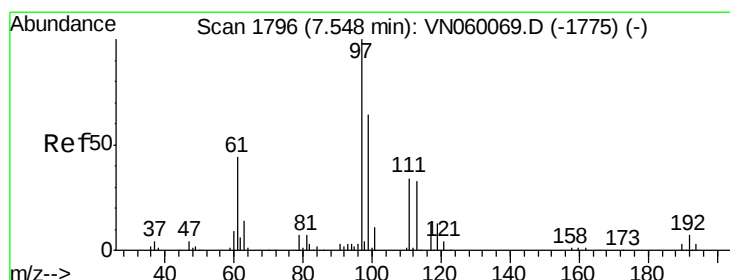
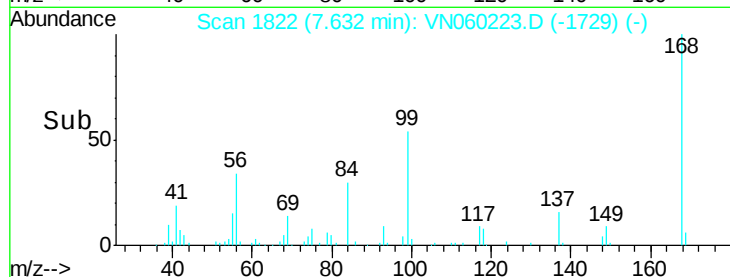
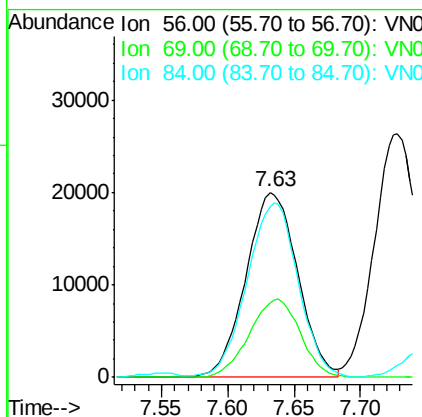
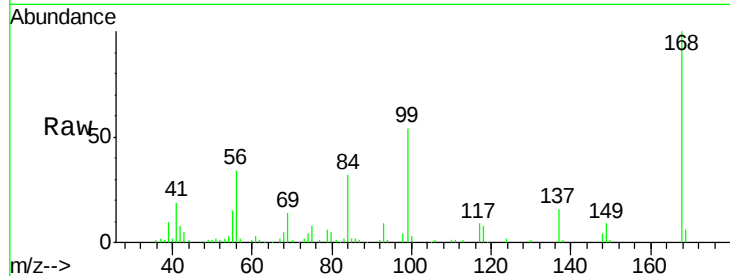
#31
Cyclohexane
Concen: 17.514 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.0	28.3	42.5
84	91.3	72.6	108.8

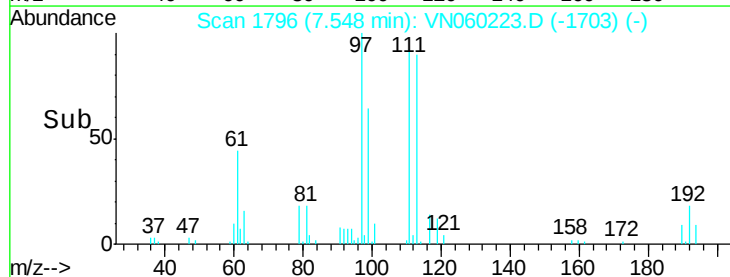
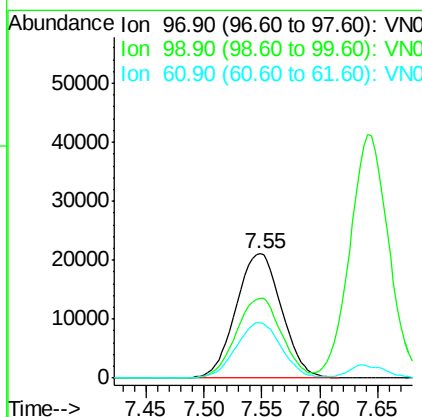
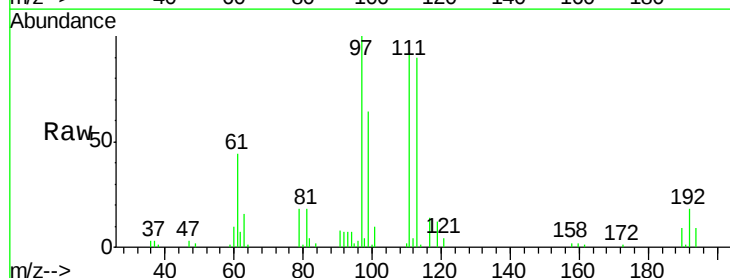
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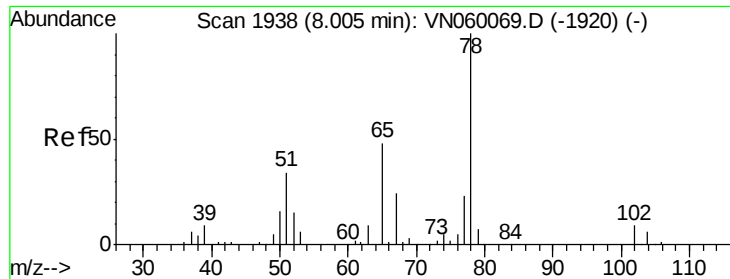
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.114 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	44.1	34.9	52.3





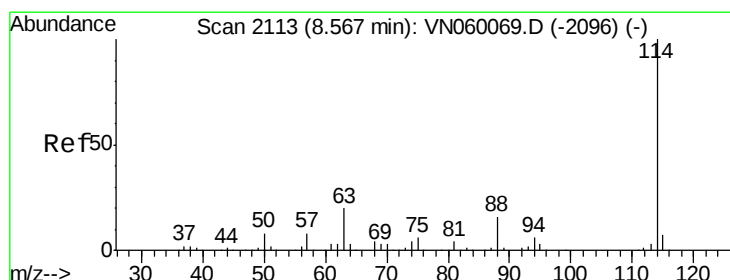
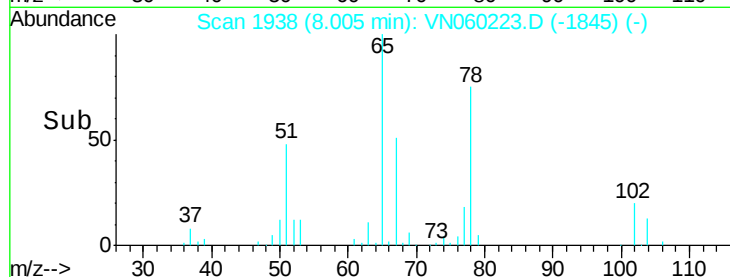
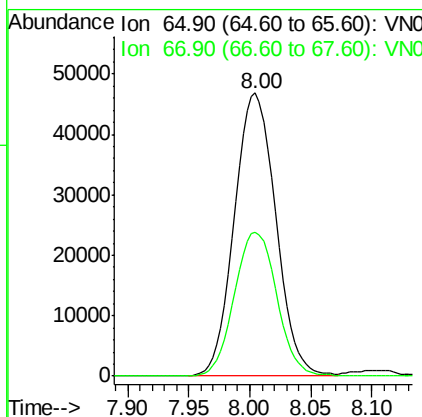
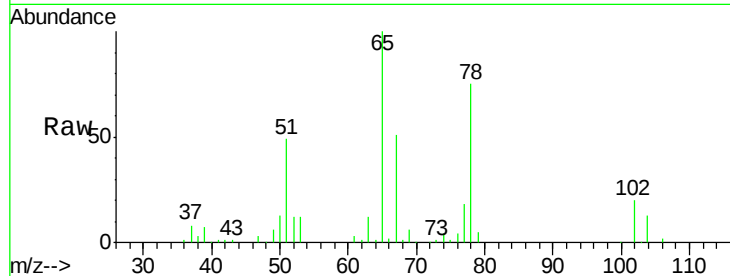
#33
 1,2-Dichloroethane-d4
 Concen: 50.417 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	110643		
67	51.8	0.0	104.0	

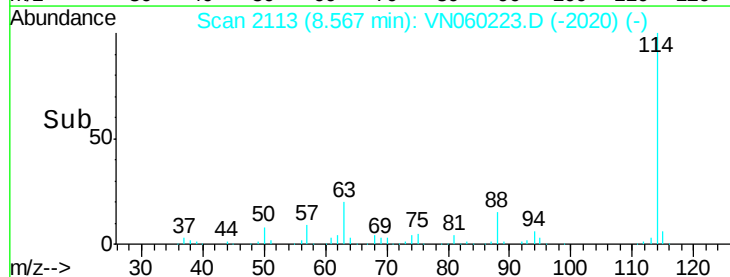
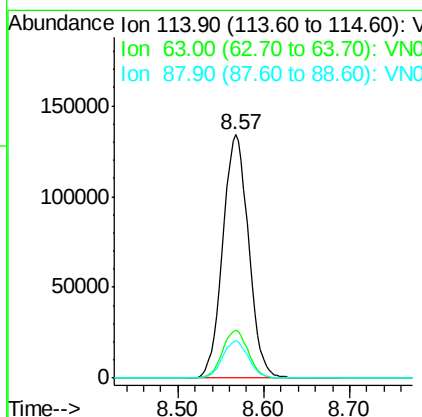
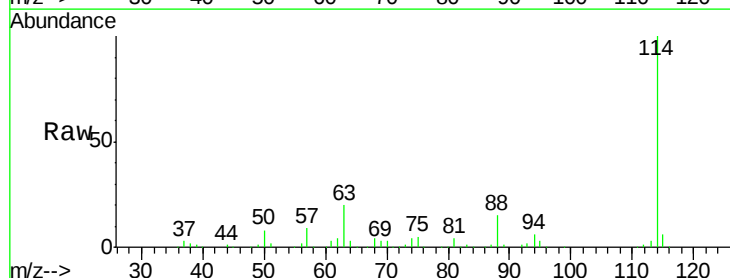
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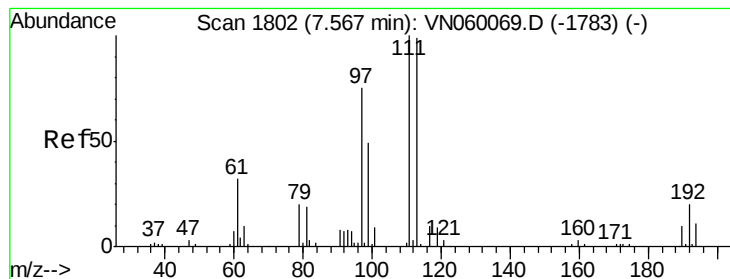
MMDadoda
 2/26/2020 10:45:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	280323		
63	19.5	0.0	40.0	
88	15.2	0.0	31.6	





#35

Dibromofluoromethane

Concen: 51.479 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion:113 Resp: 88706

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.2

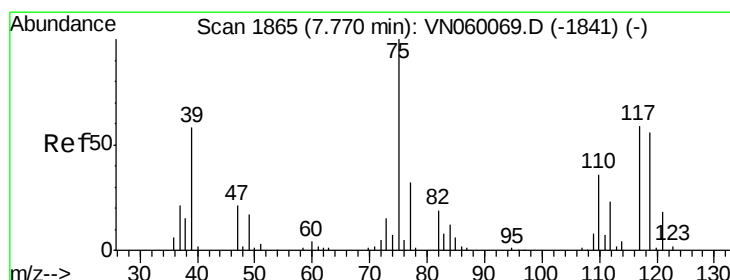
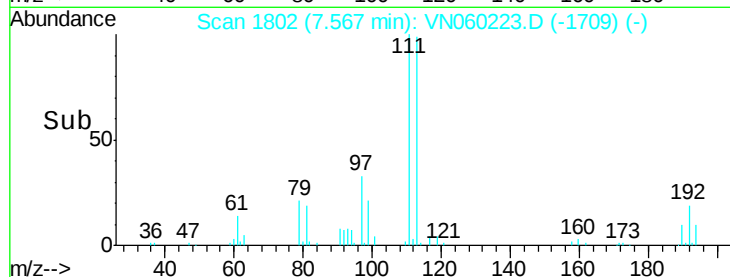
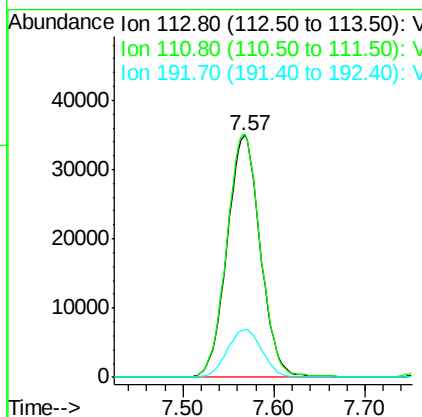
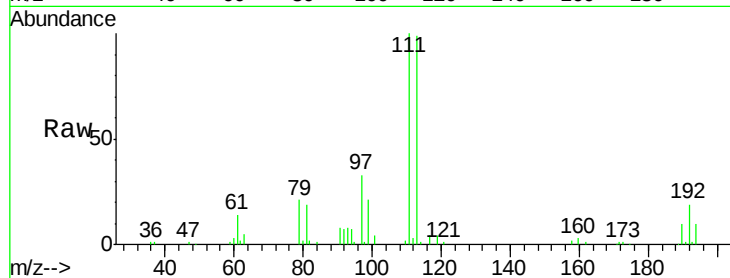
192 20.4 16.2 24.2

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#36

1,1-Dichloropropene

Concen: 17.825 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

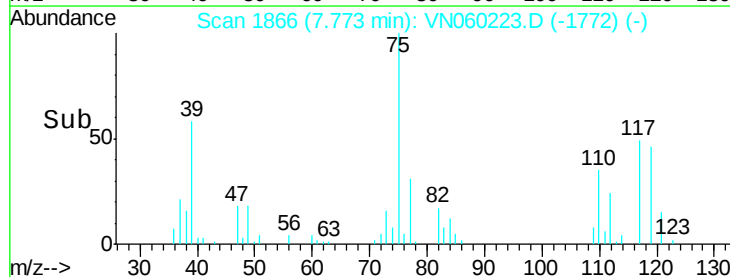
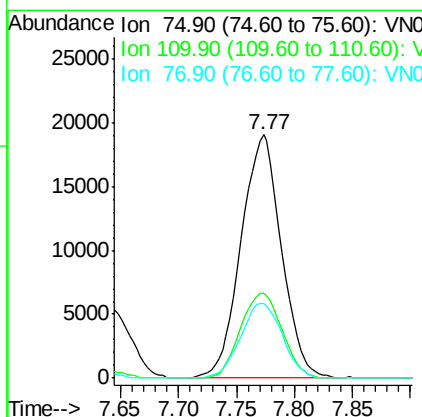
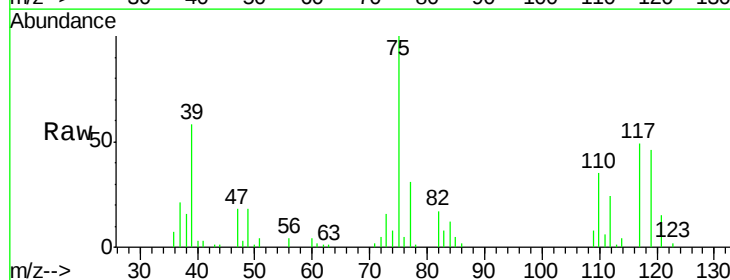
Tgt Ion: 75 Resp: 46282

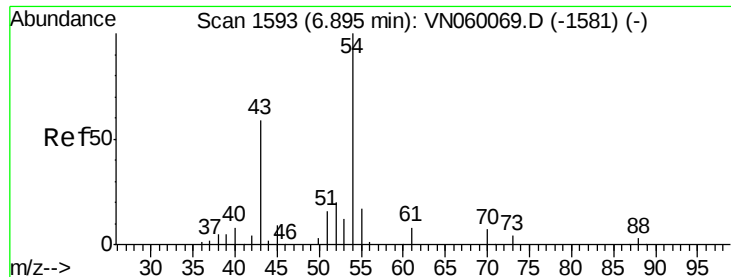
Ion Ratio Lower Upper

75 100

110 36.0 18.1 54.3

77 31.8 25.1 37.7





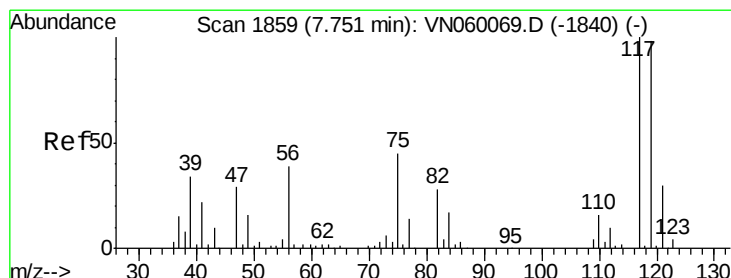
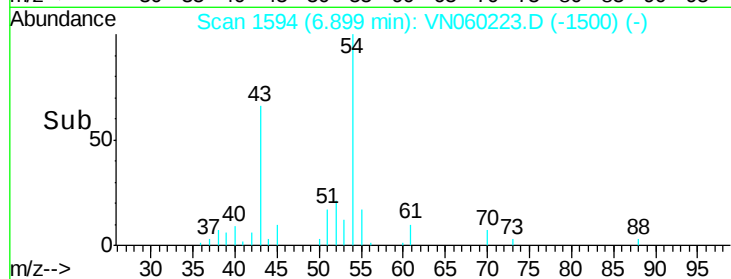
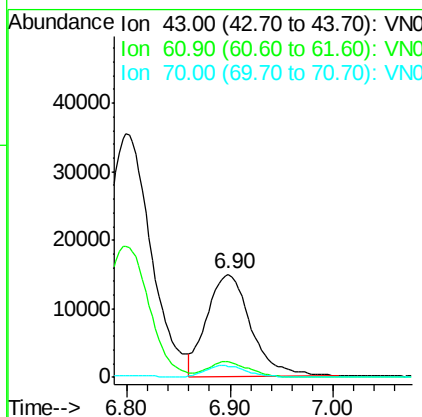
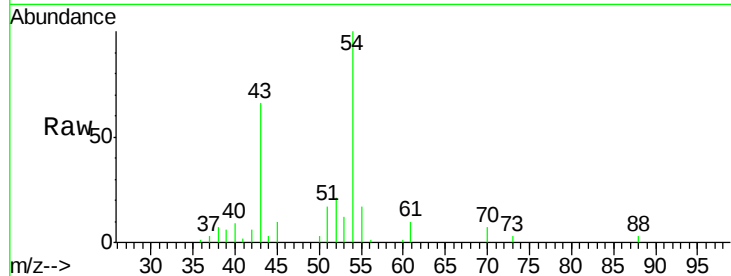
#37
Ethyl Acetate
Concen: 18.680 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleID :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.4	17.2
70	10.9	8.7	13.1

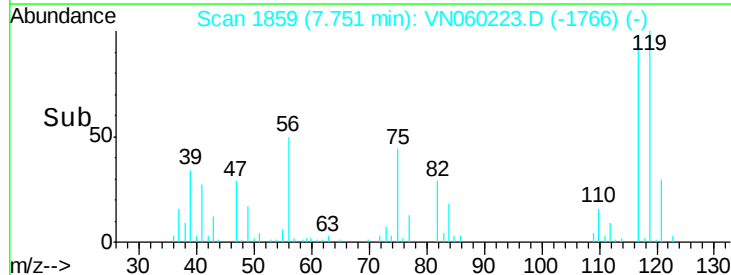
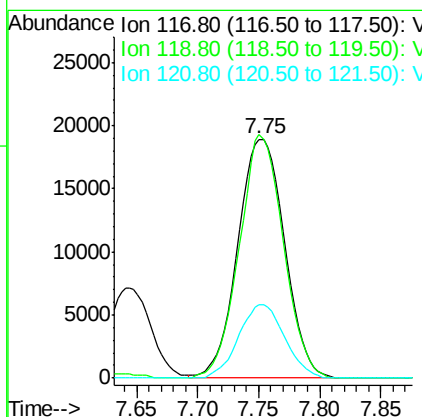
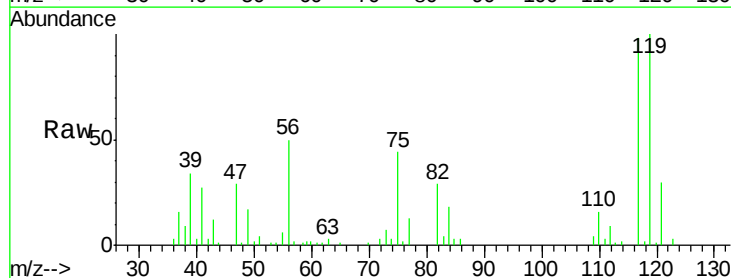
Manual Integrations
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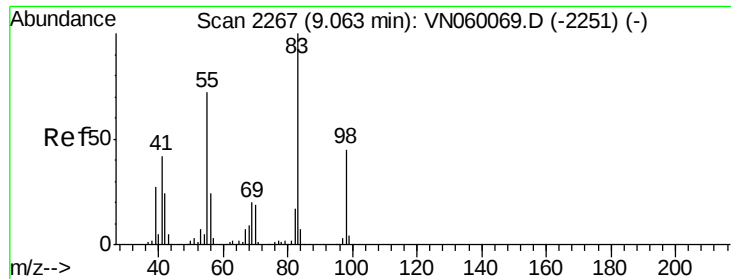
MMDadoda
2/26/2020 10:45:10 AM



#38
Carbon Tetrachloride
Concen: 17.873 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.9	78.2	117.4
121	30.6	24.2	36.2





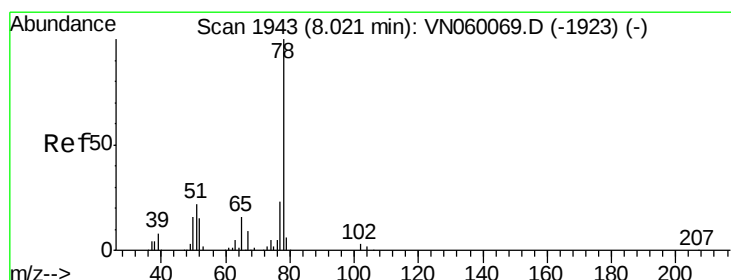
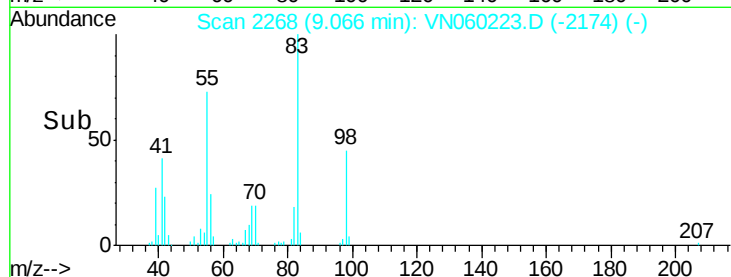
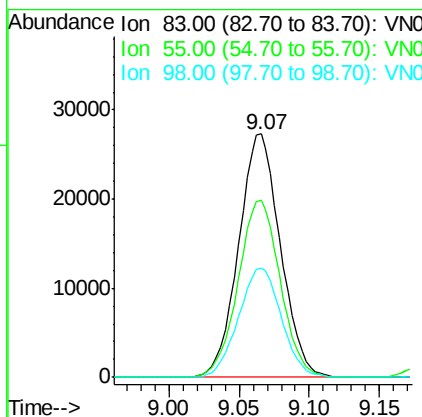
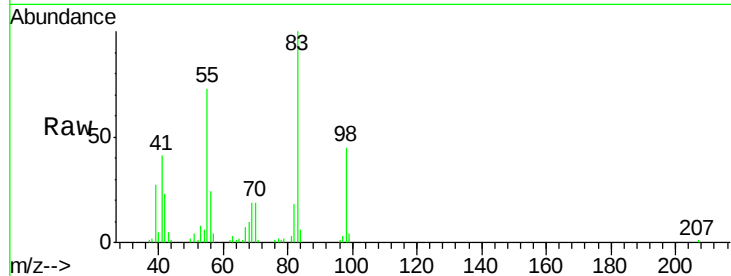
#39
Methvlcvclohexane
Concen: 17.536 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	57.8	86.8
98	45.1	36.4	54.6

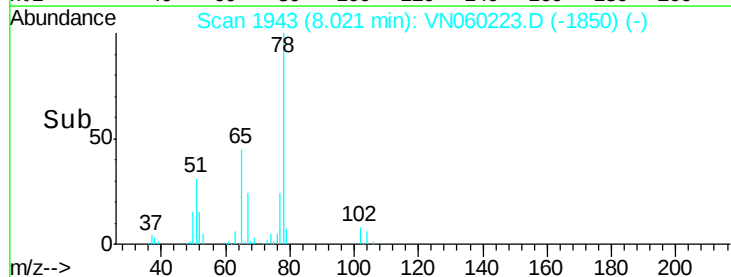
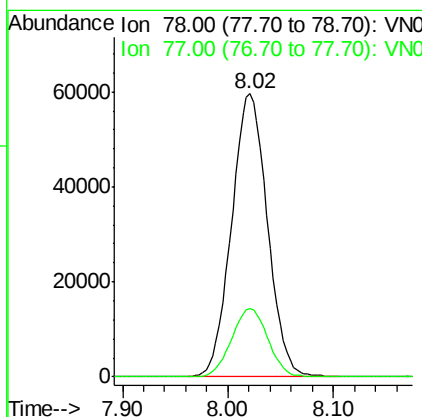
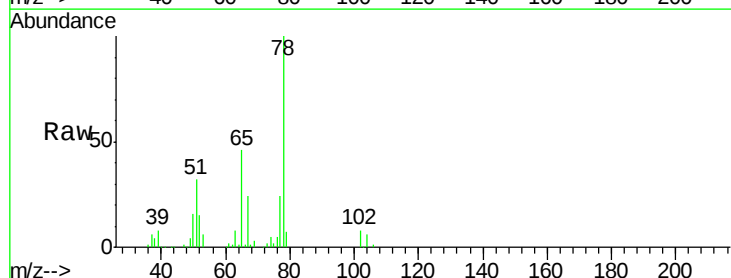
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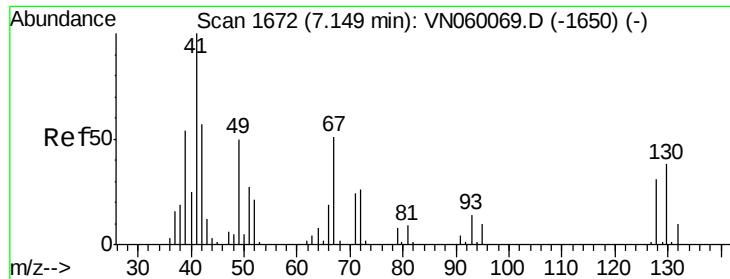
MMDadoda
2/26/2020 10:45:10 AM



#40
Benzene
Concen: 18.241 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





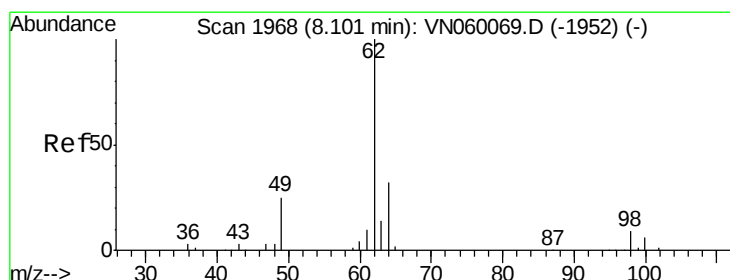
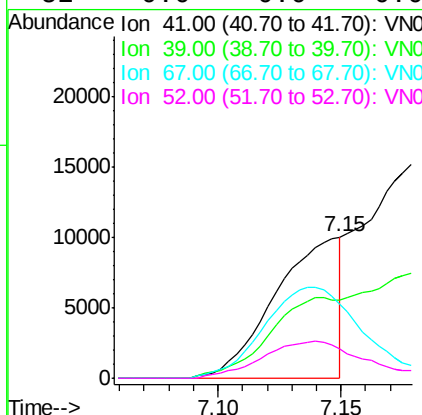
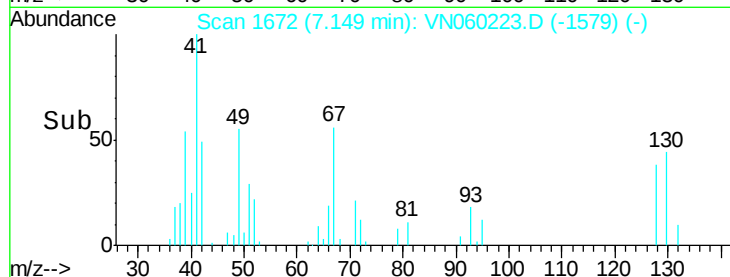
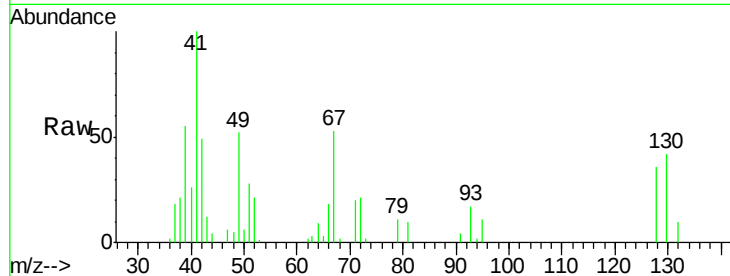
#41
Methacrylonitrile
Concen: 18.812 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	41	Resp	18513
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

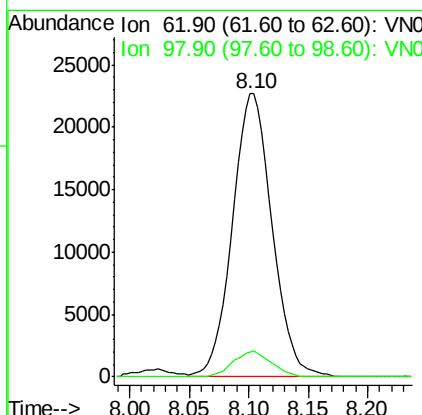
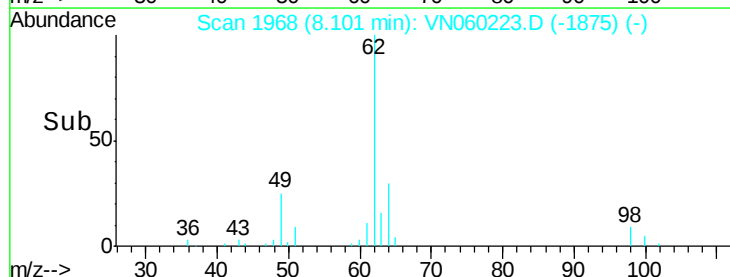
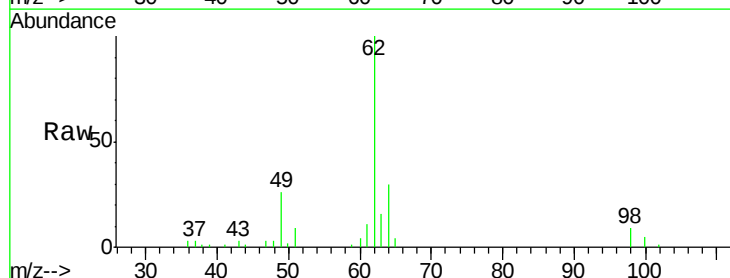
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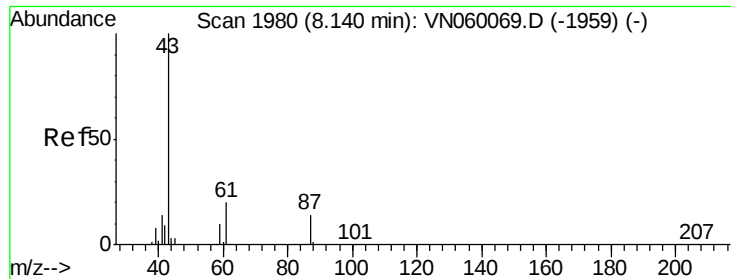
MMDadoda
2/26/2020 10:45:10 AM



#42
1,2-Dichloroethane
Concen: 19.403 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	62	Resp	52378
Ion Ratio	Lower	Upper	
62	100		
98	8.8	0.0	18.2





#43

Isopropyl Acetate

Concen: 18.910 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

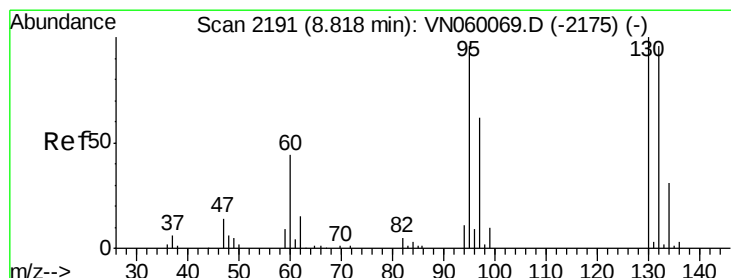
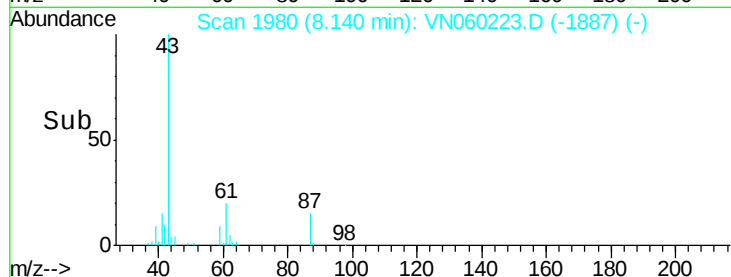
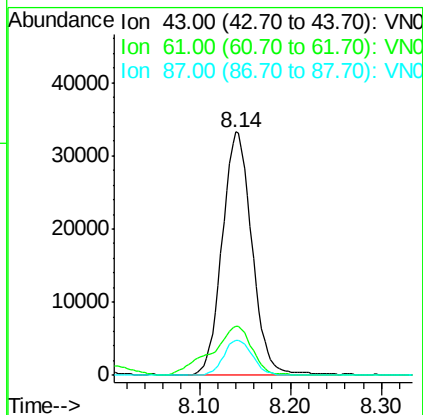
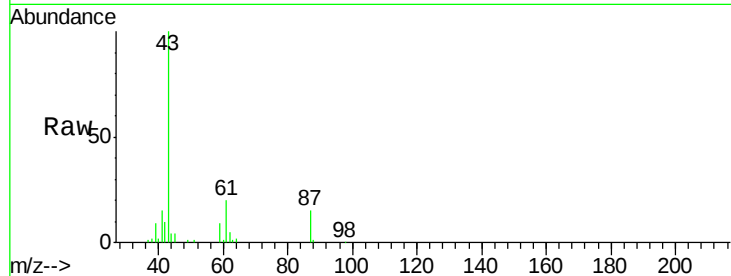
ClientSampleId :

VN0225WBSD01

Tot Ion:	43	Resp:	75856
Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.8	32.6
87	13.9	11.4	17.2

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#44

Trichloroethene

Concen: 18.165 ug/l

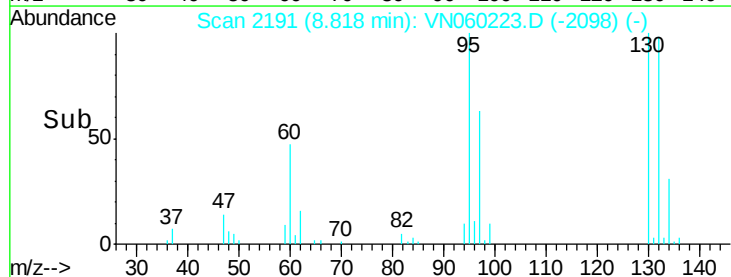
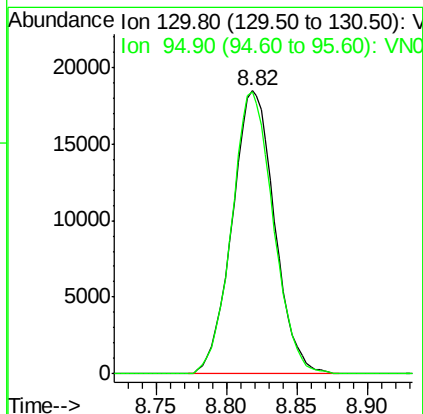
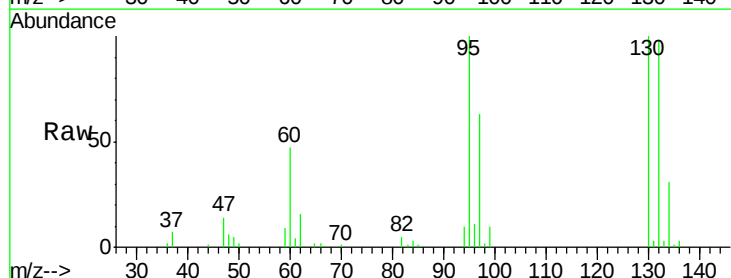
RT: 8.82 min Scan# 2191

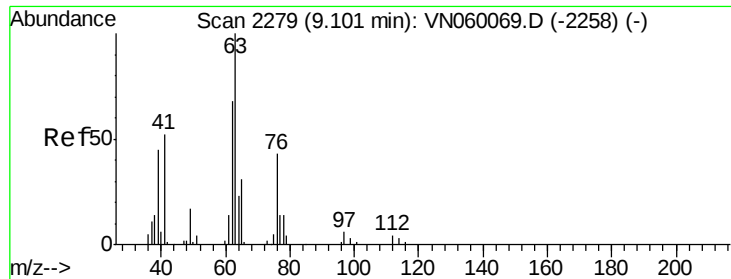
Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Tgt Ion:	130	Resp:	38739
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	192.4





#45

1,2-Dichloropropane

Concen: 19.491 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion: 63 Resp: 37167

Ion Ratio Lower Upper

63 100

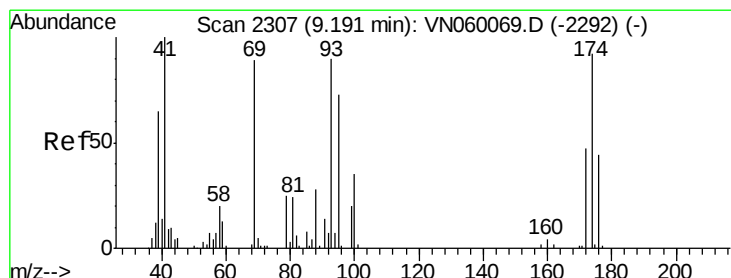
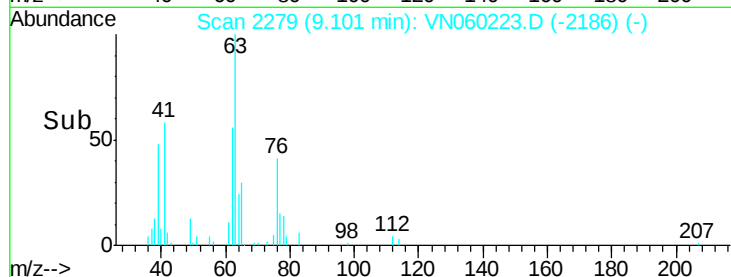
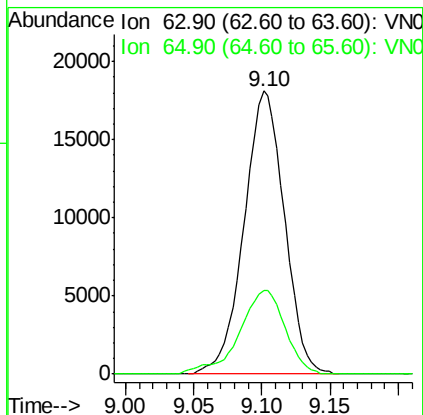
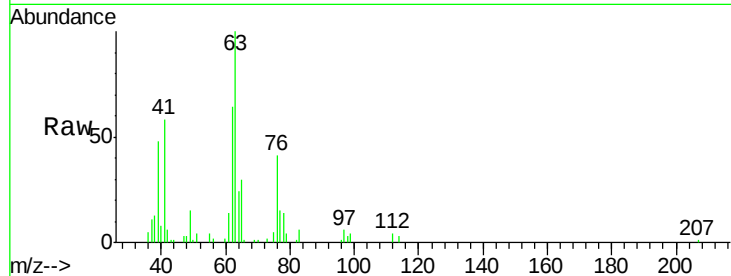
65 29.5 25.0 37.4

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#46

Dibromomethane

Concen: 18.619 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

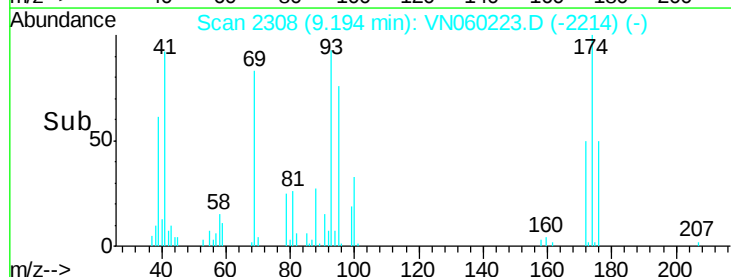
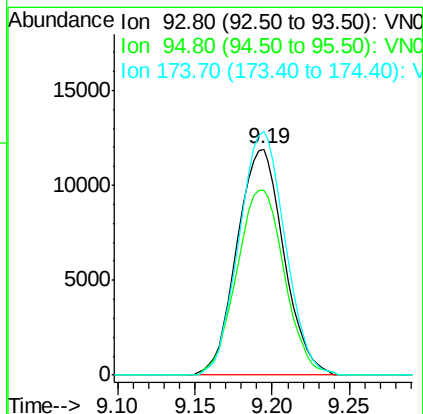
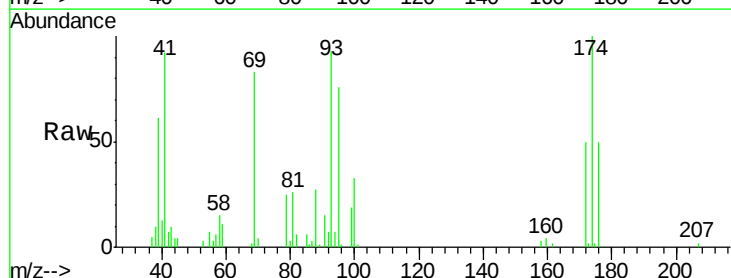
Tgt Ion: 93 Resp: 25090

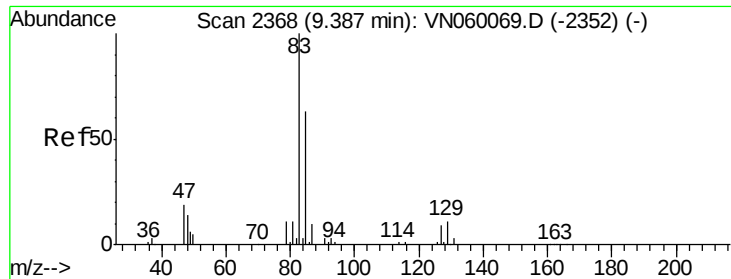
Ion Ratio Lower Upper

93 100

95 83.3 65.0 97.6

174 106.1 82.3 123.5





#47

Bromodichloromethane

Concen: 18.837 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

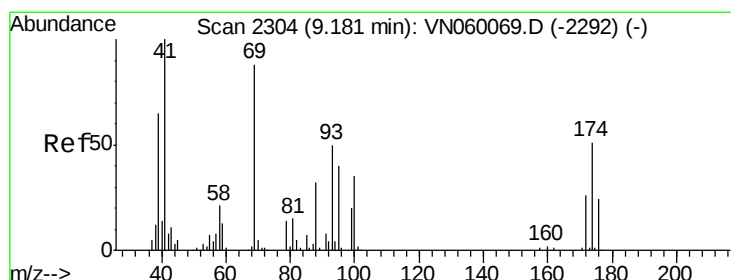
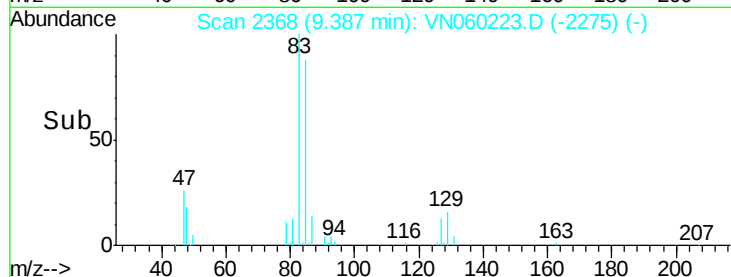
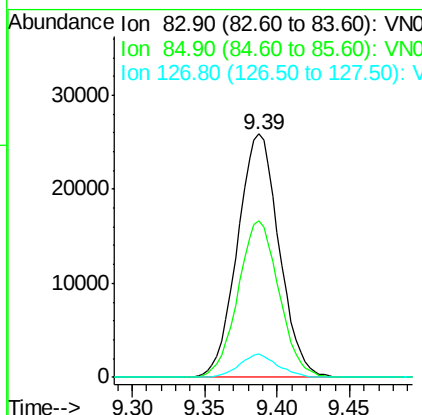
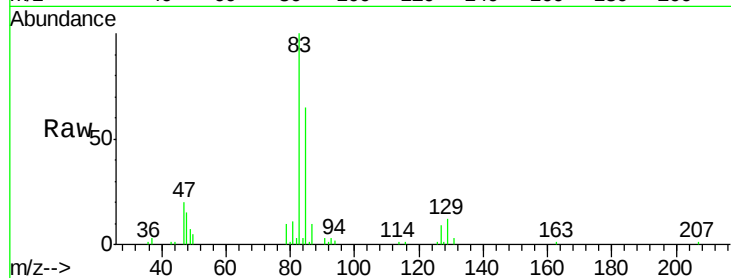
ClientSampleId :

VN0225WBSD01

Tot Ion:	83	Resp:	51605
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.6	75.8
127	9.4	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.388 ug/l

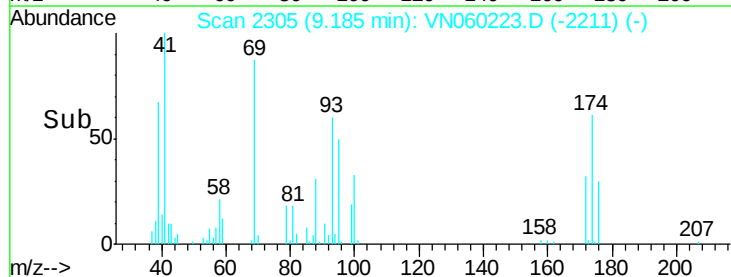
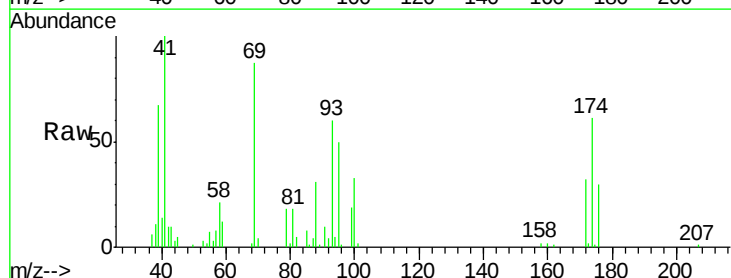
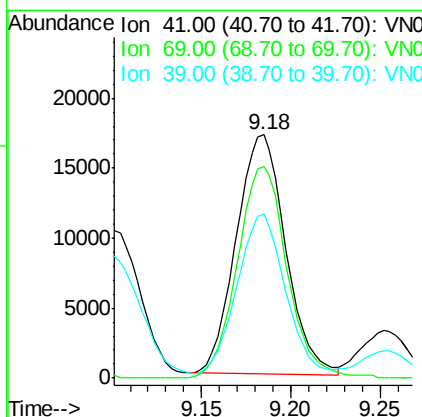
RT: 9.18 min Scan# 2305

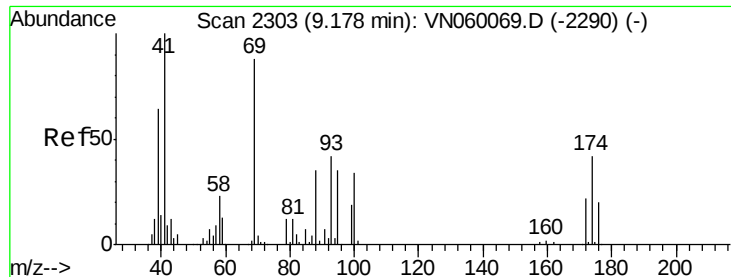
Delta R.T. 0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Tgt Ion:	41	Resp:	33094
Ion	Ratio	Lower	Upper
41	100		
69	89.1	72.0	108.0
39	67.0	54.1	81.1





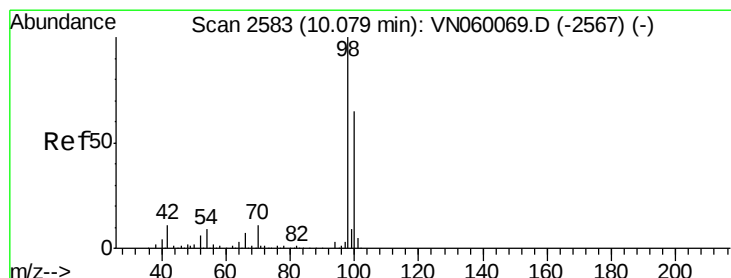
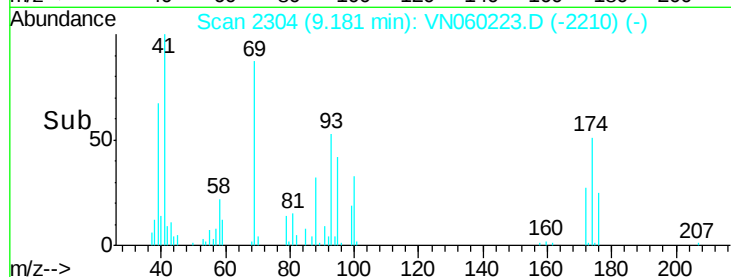
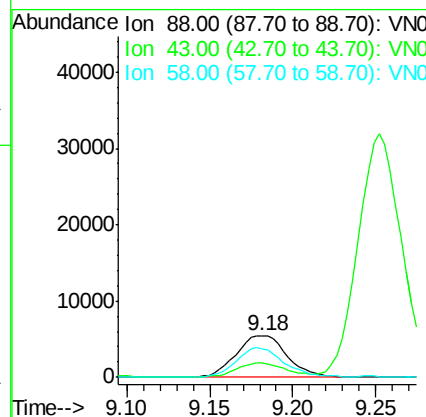
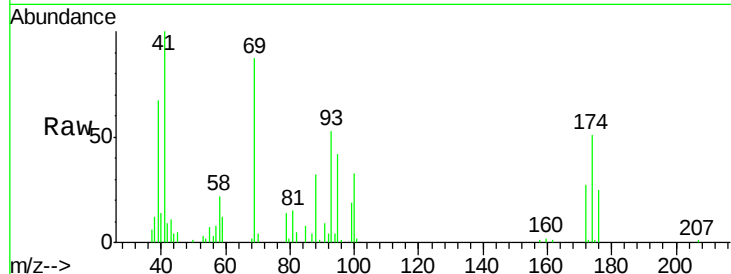
#49
1,4-Dioxane
Concen: 381.132 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	26.2	39.2
58	66.5	53.2	79.8

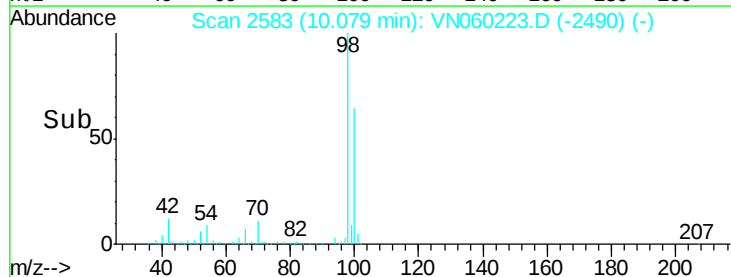
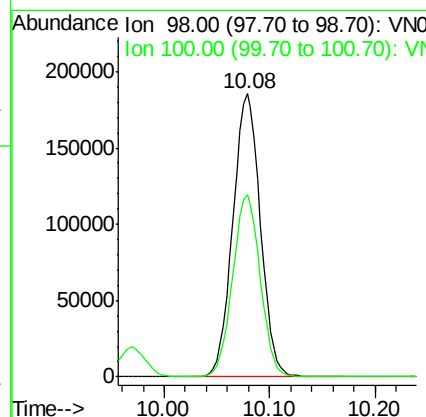
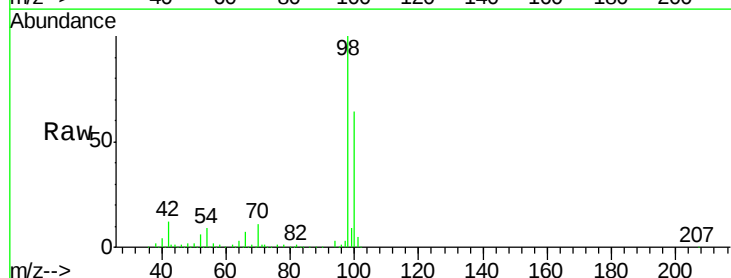
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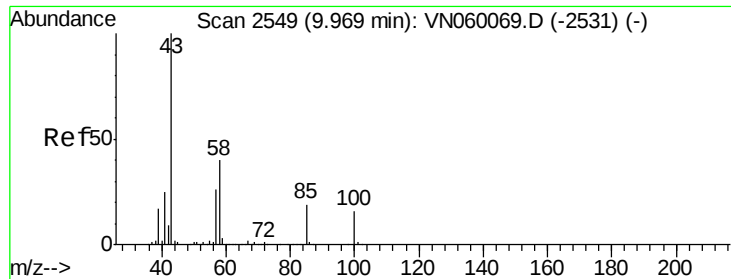
MMDadoda
2/26/2020 10:45:10 AM



#50
Toluene-d8
Concen: 49.285 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 94.335 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion: 43 Resp: 219030

Ion Ratio Lower Upper

43 100

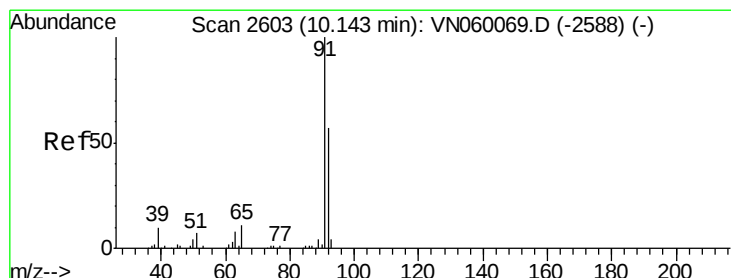
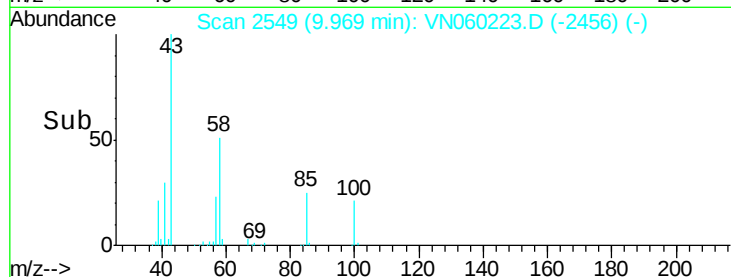
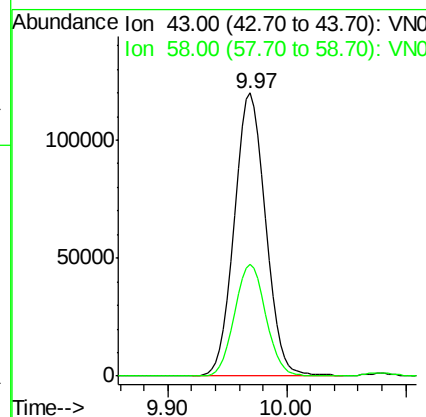
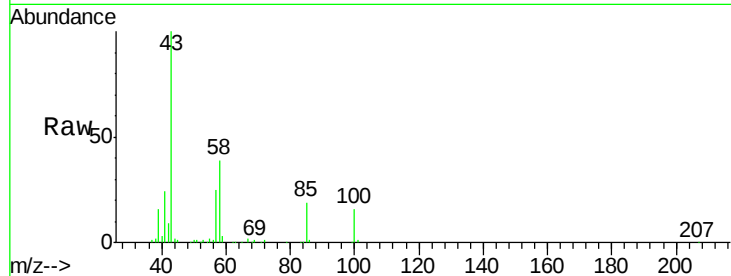
58 39.6 31.8 47.8

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#52

Toluene

Concen: 18.322 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060223.D

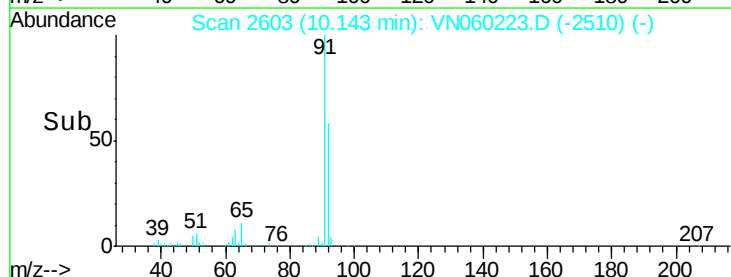
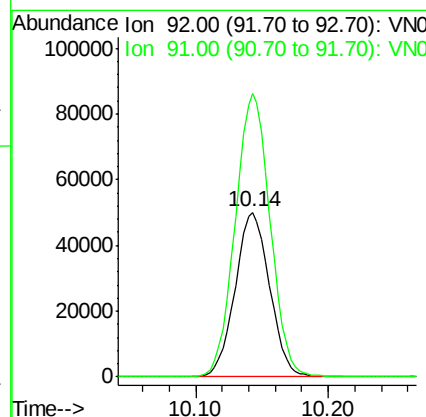
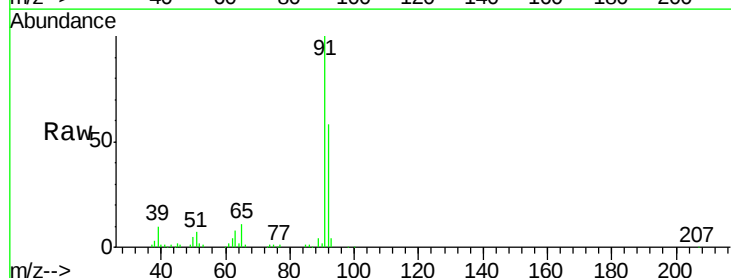
Acq: 25 Feb 2020 11:03

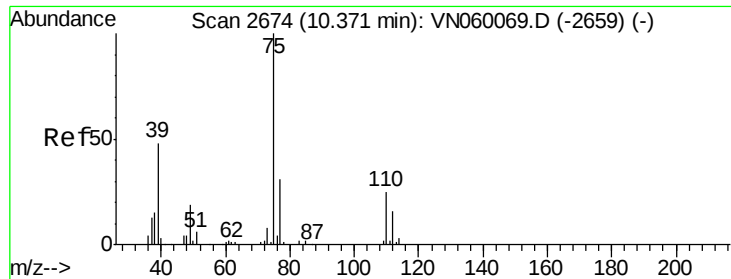
Tgt Ion: 92 Resp: 90492

Ion Ratio Lower Upper

92 100

91 173.7 140.9 211.3





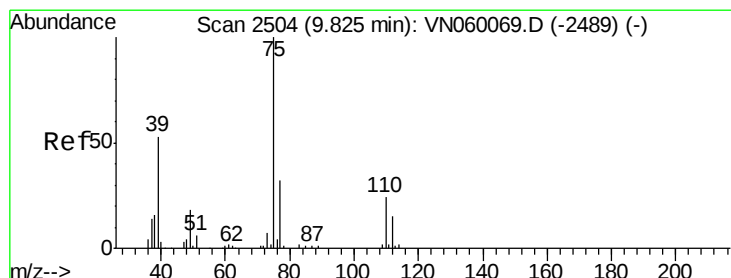
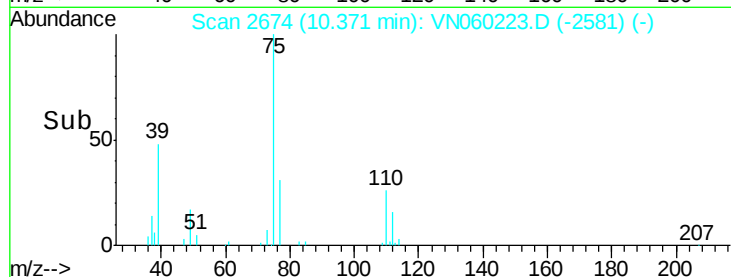
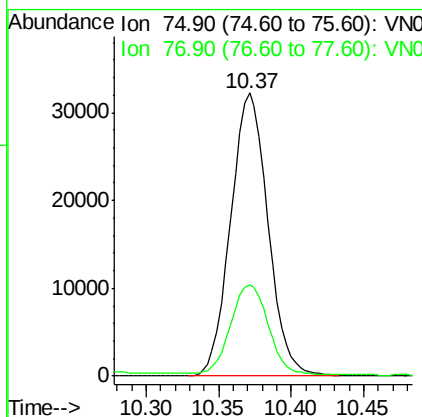
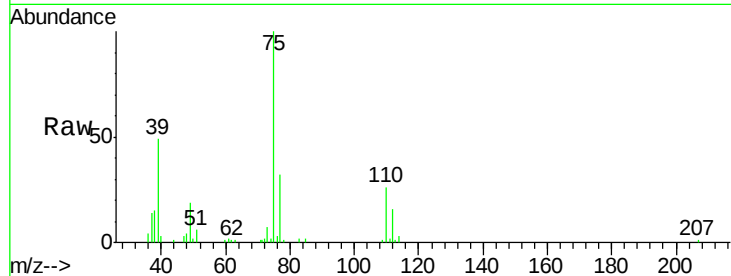
#53
t-1,3-Dichloropropene
Concen: 18.613 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion: 75 Resp: 57557
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0

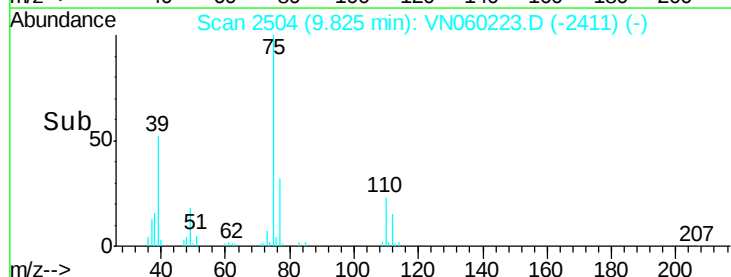
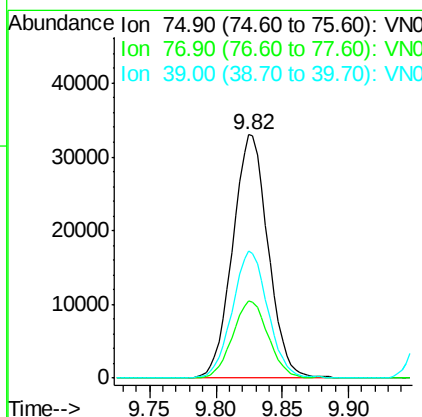
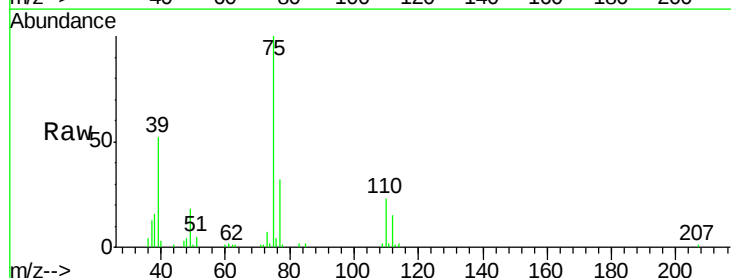
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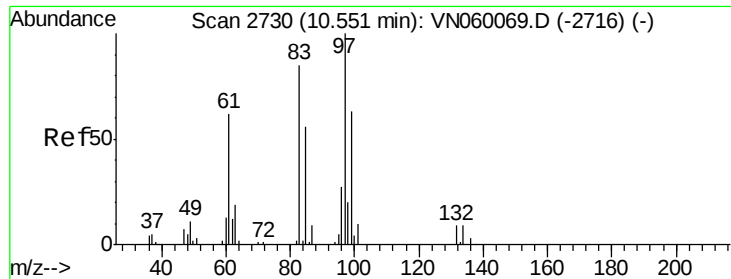
MMDadoda
2/26/2020 10:45:10 AM



#54
cis-1,3-Dichloropropene
Concen: 18.842 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion: 75 Resp: 61354
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4
39 52.1 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 18.864 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

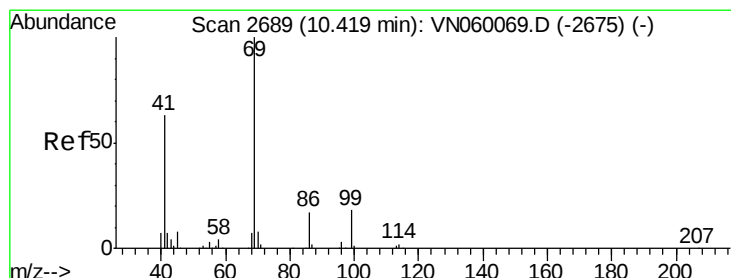
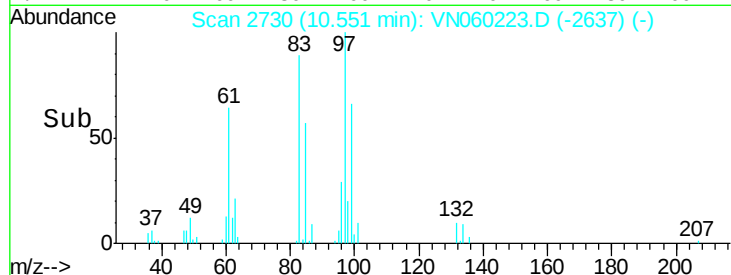
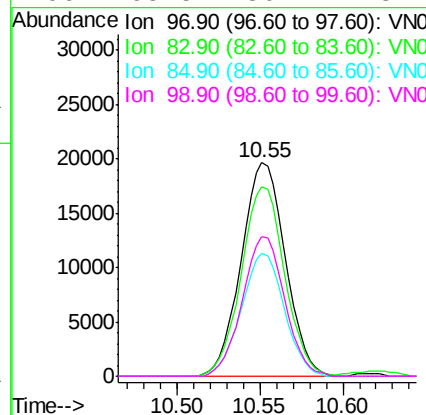
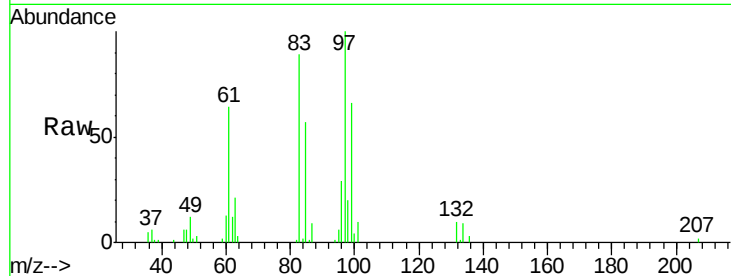
ClientSampleId :

VN0225WBSD01

Tot Ion:	97	Resp:	36349
Ion	Ratio	Lower	Upper
97	100		
83	88.8	67.9	101.9
85	57.4	44.6	67.0
99	65.5	50.1	75.1

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#56

Ethyl methacrylate

Concen: 18.248 ug/l

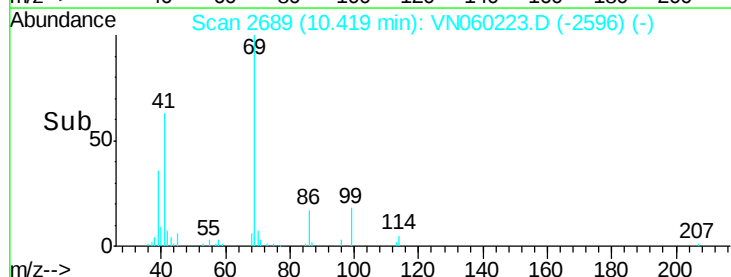
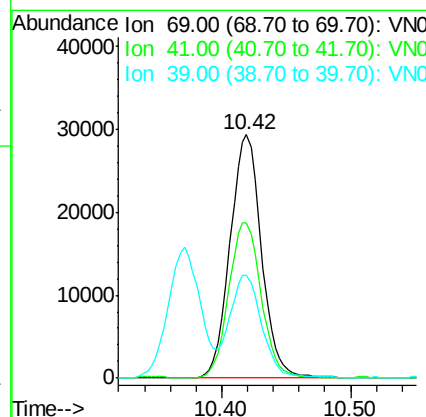
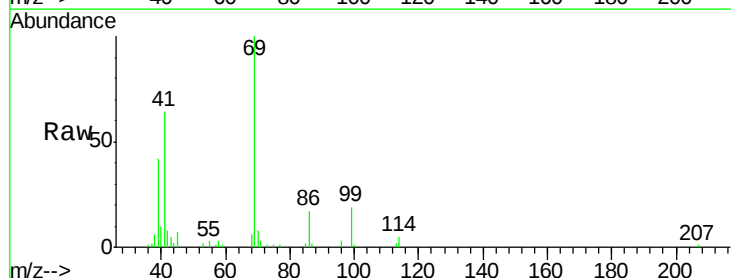
RT: 10.42 min Scan# 2689

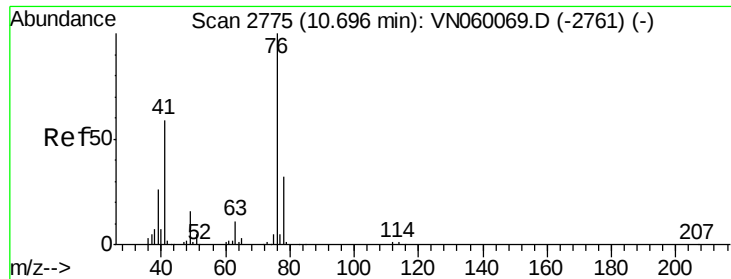
Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Tgt Ion:	69	Resp:	49741
Ion	Ratio	Lower	Upper
69	100		
41	65.9	51.1	76.7
39	41.8	33.8	50.8





#57

1,3-Dichloropropane

Concen: 18.795 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampled :

VN0225WBSD01

Tot Ion: 76 Resp: 59758

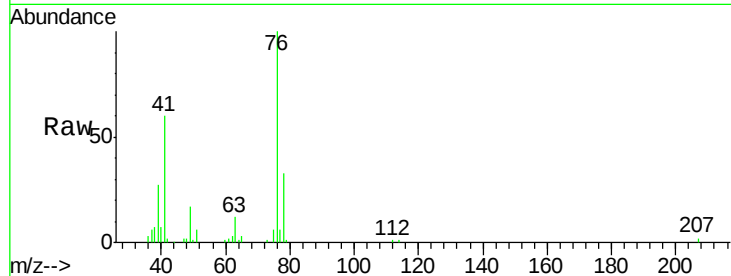
Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5

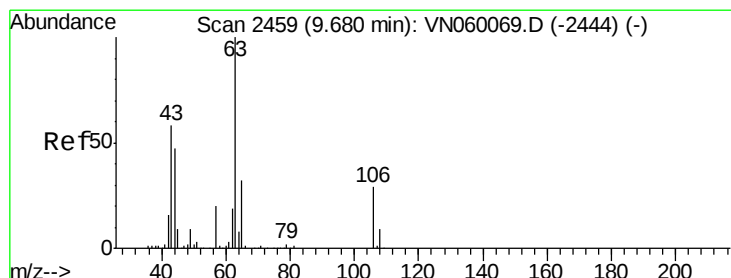
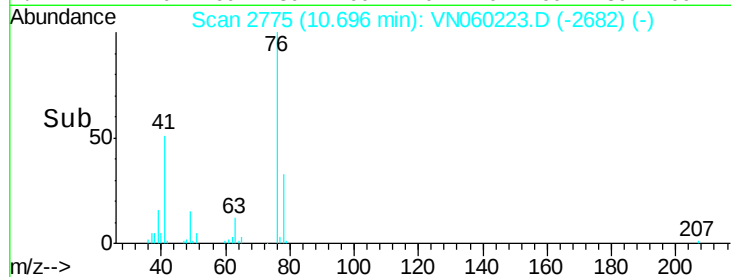
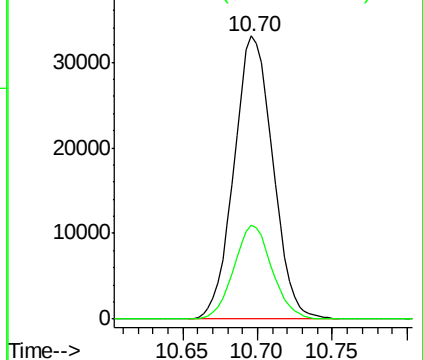
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 92.565 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060223.D

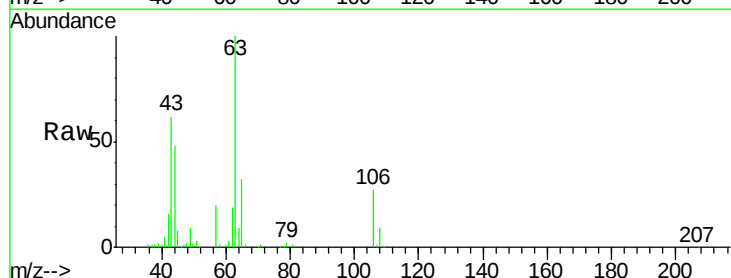
Acq: 25 Feb 2020 11:03

Tgt Ion: 63 Resp: 117545

Ion Ratio Lower Upper

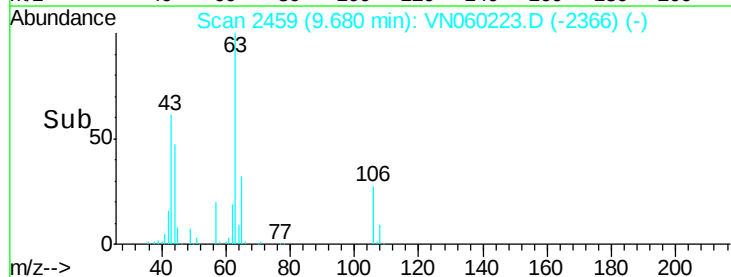
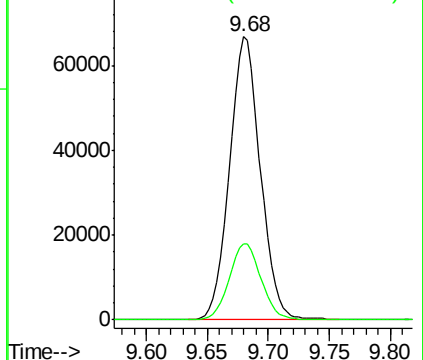
63 100

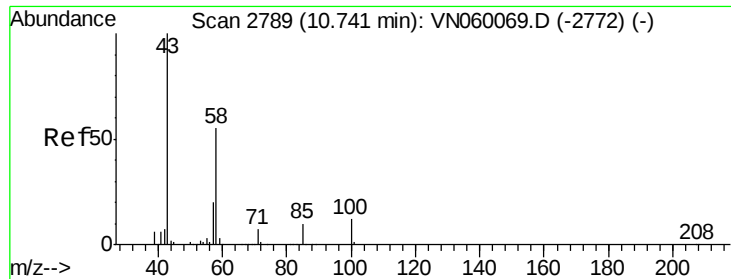
106 27.6 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





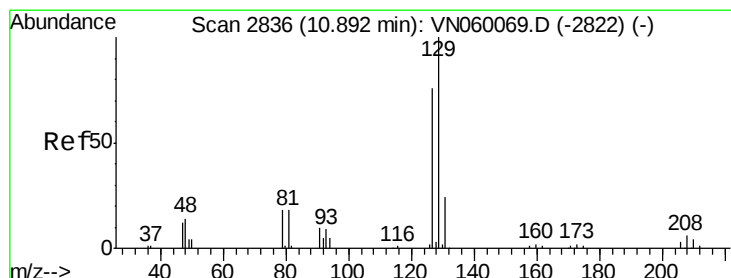
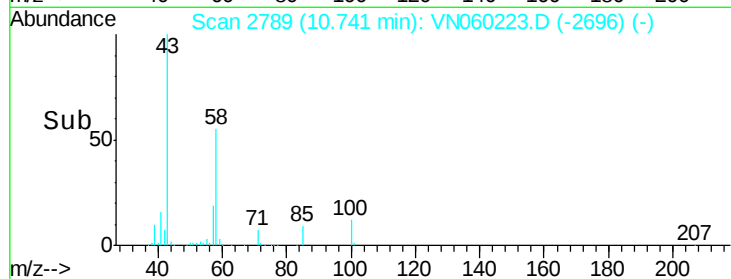
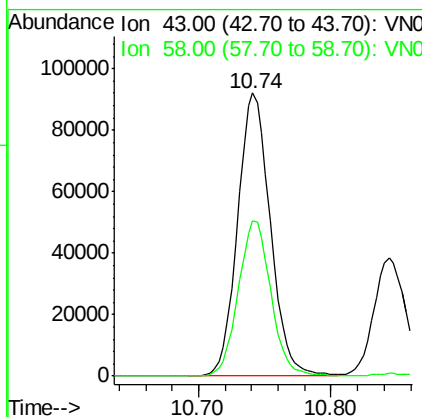
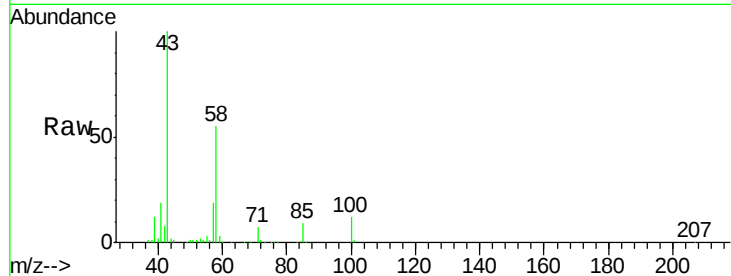
#59
2-Hexanone
Concen: 88.249 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion: 43 Resp: 158280
Ion Ratio Lower Upper
43 100
58 54.7 27.5 82.4

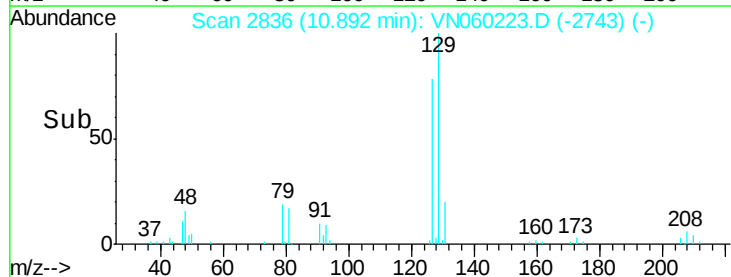
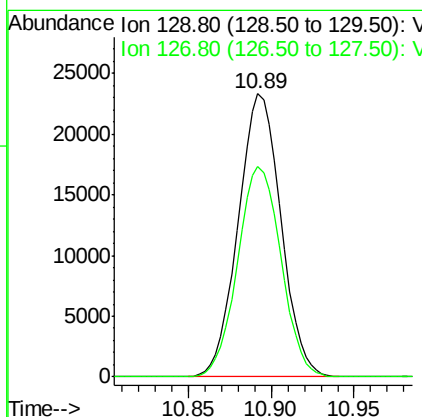
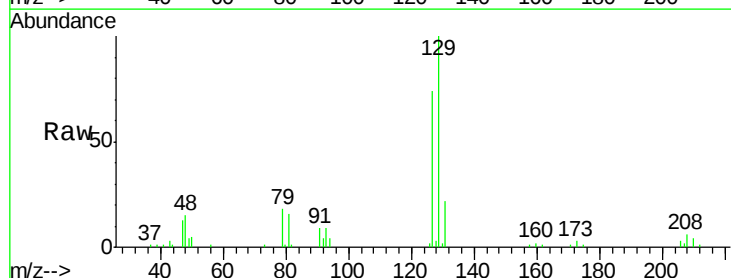
Manual Integrations
APPROVED

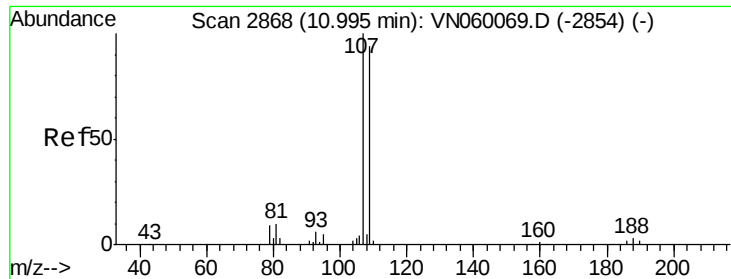
MMDadoda
2/26/2020 10:45:10 AM



#60
Dibromochloromethane
Concen: 18.946 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion: 129 Resp: 41892
Ion Ratio Lower Upper
129 100
127 75.4 38.0 114.1





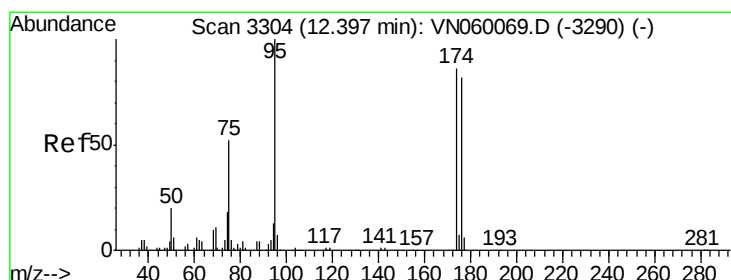
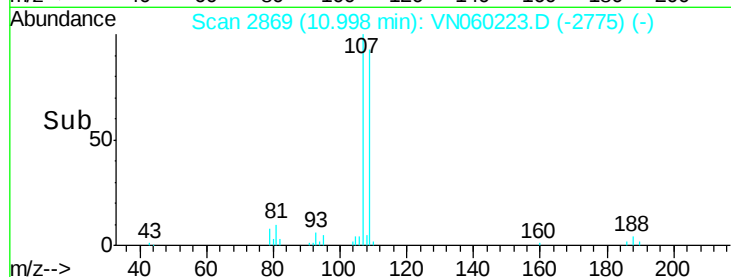
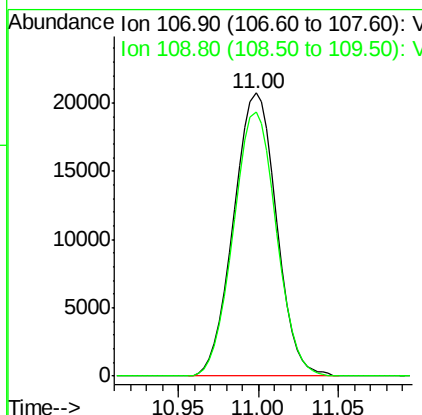
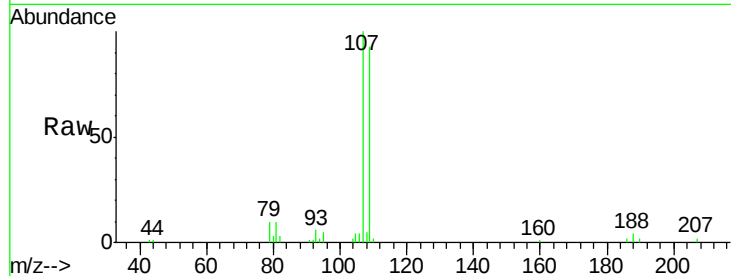
#61
 1,2-Dibromoethane
 Concen: 18.727 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Tot Ion: 107 Resp: 37826
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.4 113.0

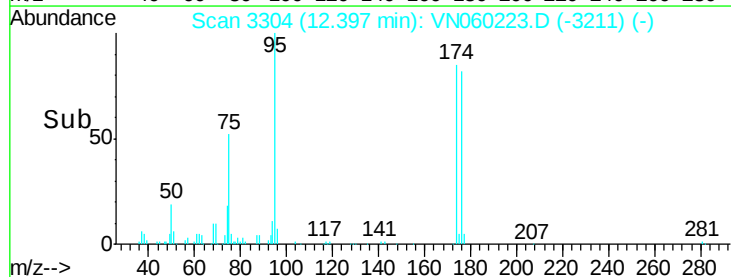
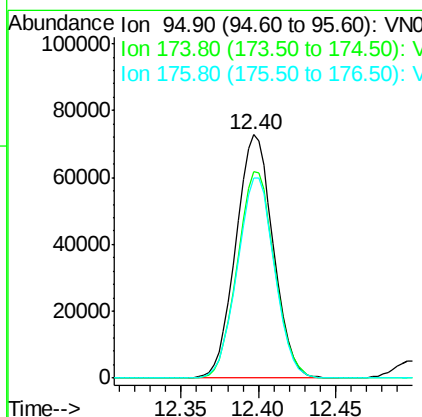
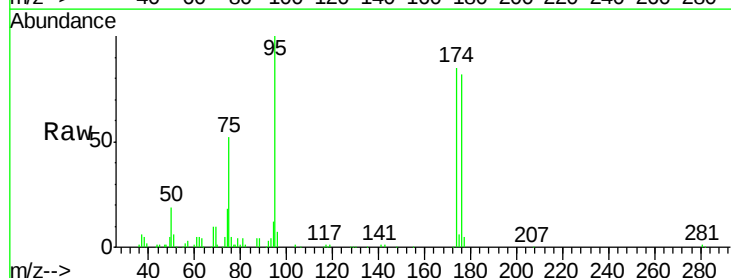
Manual Integrations
 APPROVED

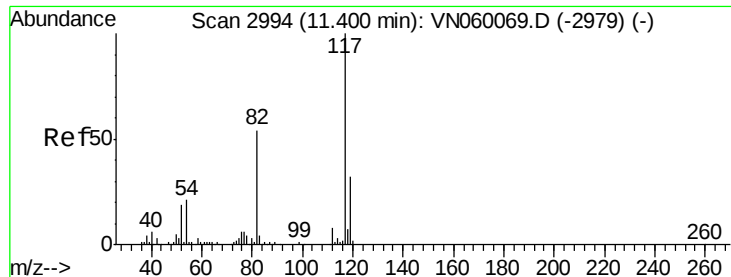
MMDadoda
 2/26/2020 10:45:10 AM



#62
 4-Bromofluorobenzene
 Concen: 48.850 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Tgt Ion: 95 Resp: 121804
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 169.8
 176 82.3 0.0 164.8





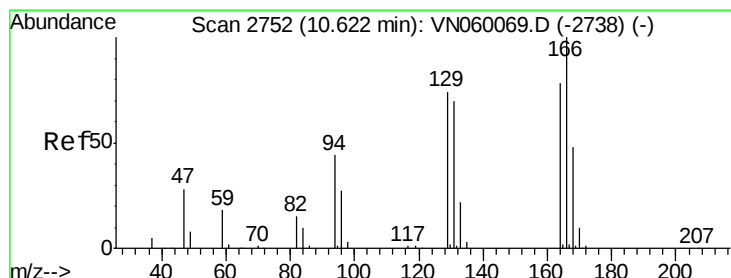
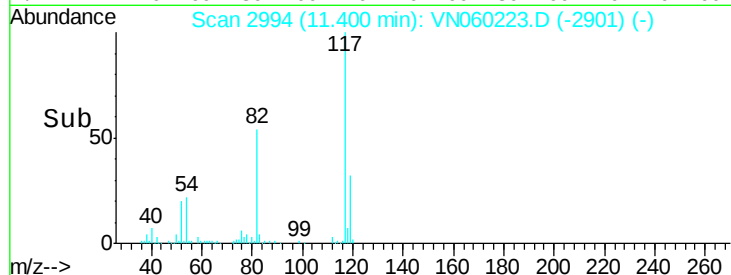
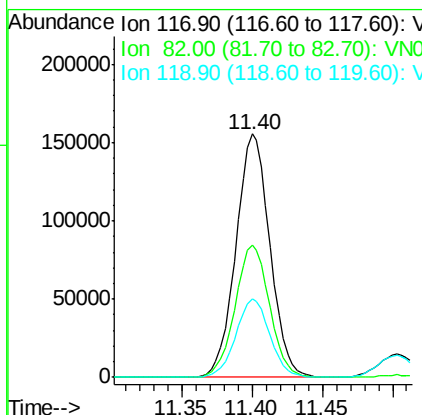
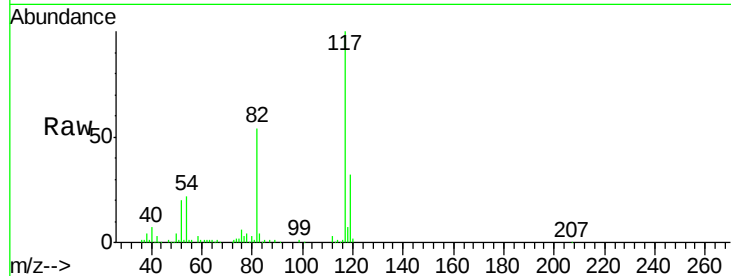
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.4	65.0
119	32.0	25.8	38.6

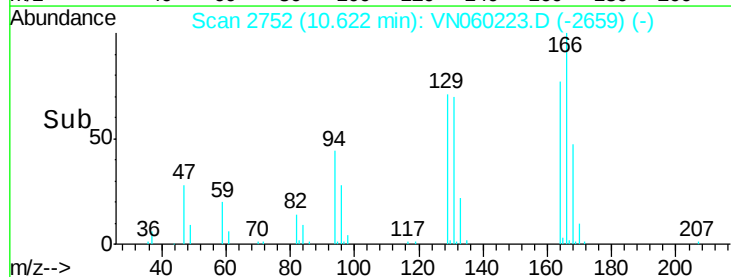
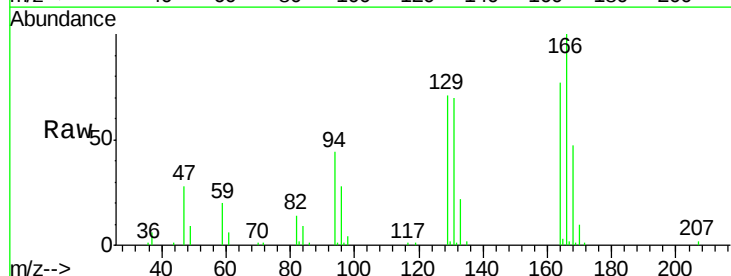
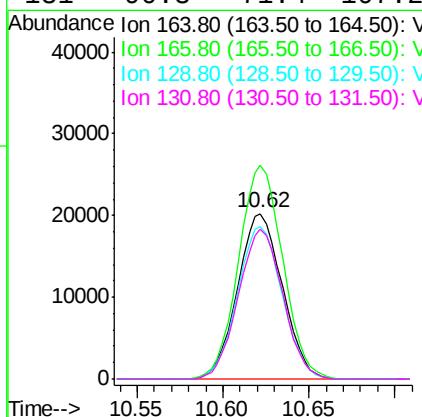
Manual Integrations
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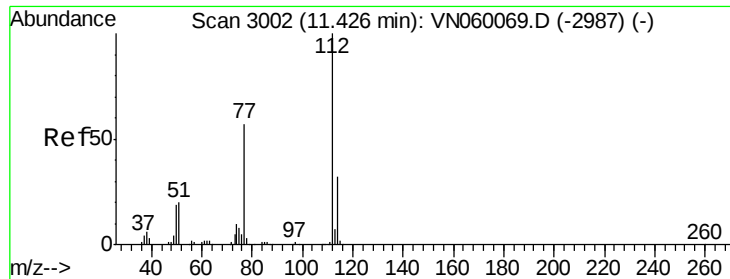
MMDadoda
2/26/2020 10:45:10 AM



#64
Tetrachloroethene
Concen: 18.327 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.9	152.9
129	91.9	75.4	113.0
131	90.3	71.4	107.2





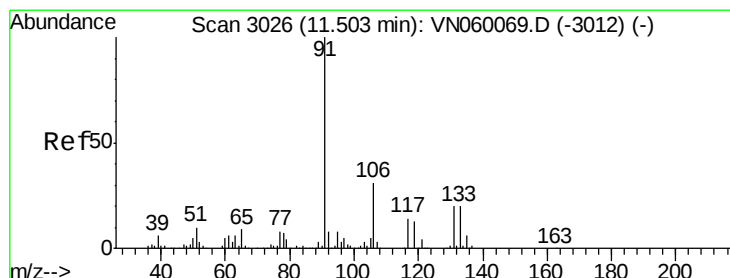
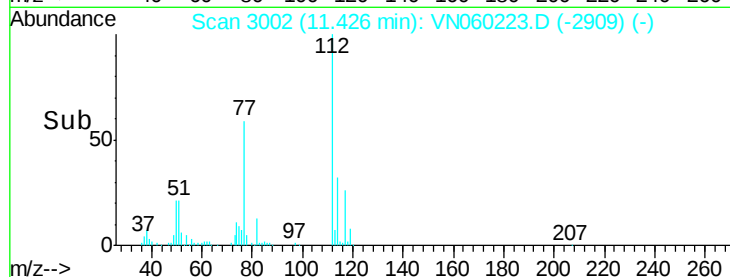
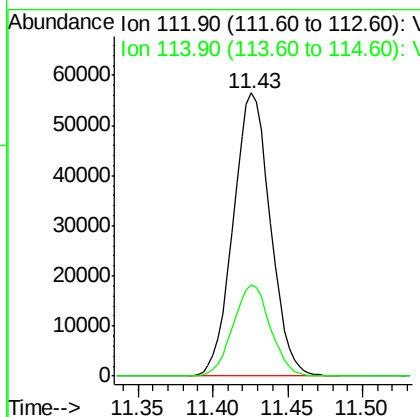
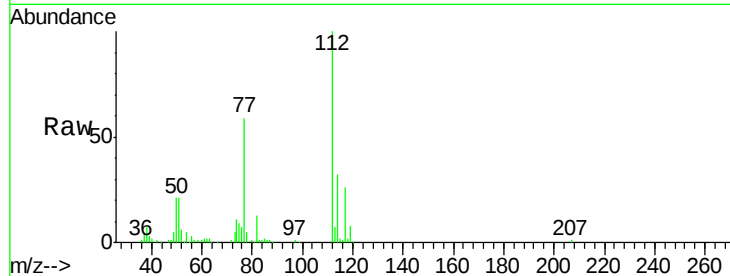
#65
Chlorobenzene
Concen: 18.309 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion:112 Resp: 97800
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.0

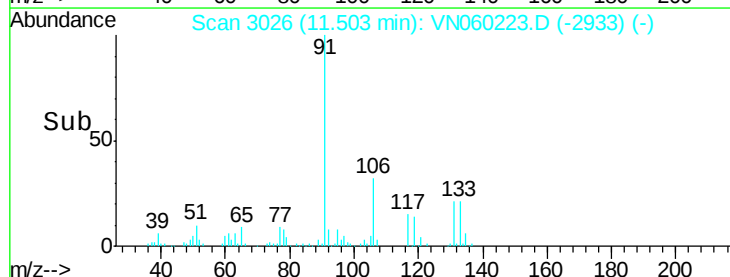
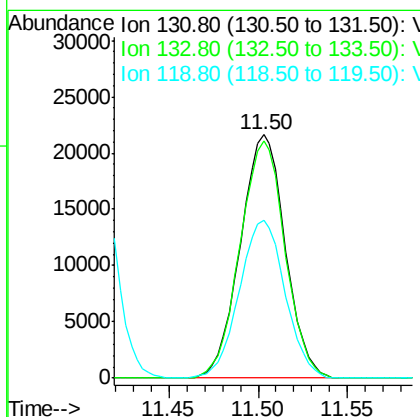
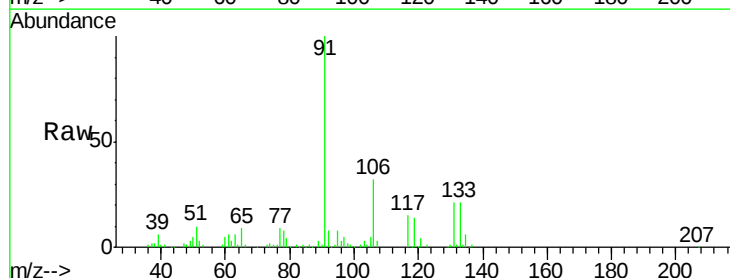
Manual Integrations
APPROVED

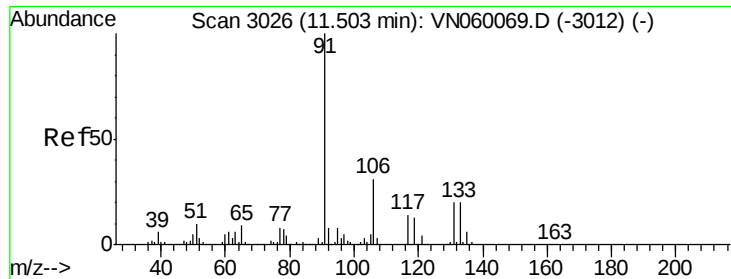
MMDadoda
2/26/2020 10:45:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.750 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion:131 Resp: 37888
Ion Ratio Lower Upper
131 100
133 97.7 47.9 143.7
119 66.3 32.6 97.7





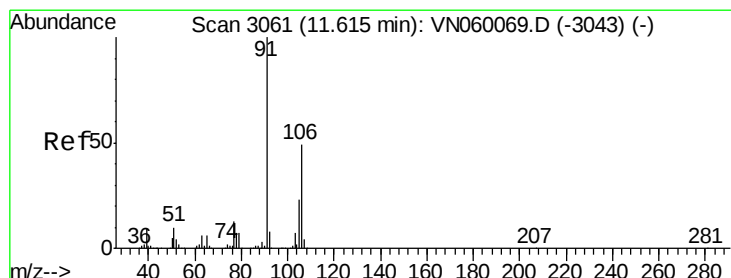
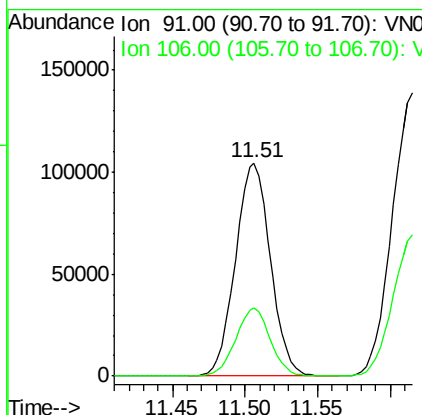
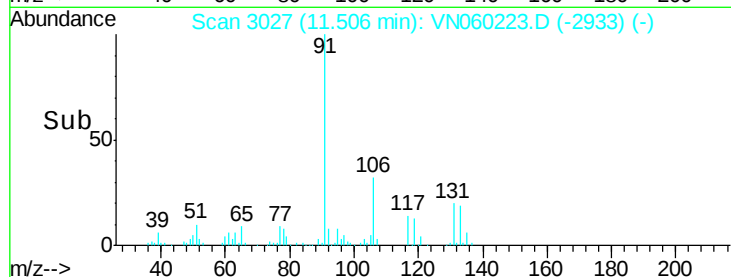
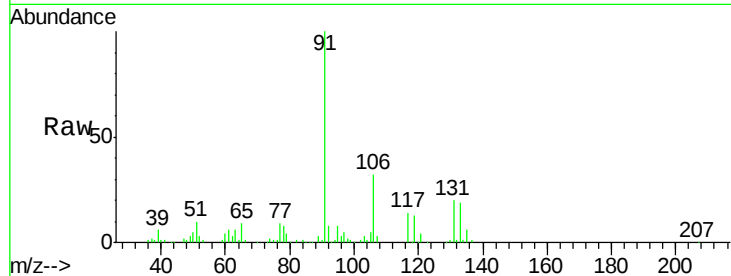
#67
Ethyl Benzene
Concen: 18.188 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion: 91 Resp: 175221
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7

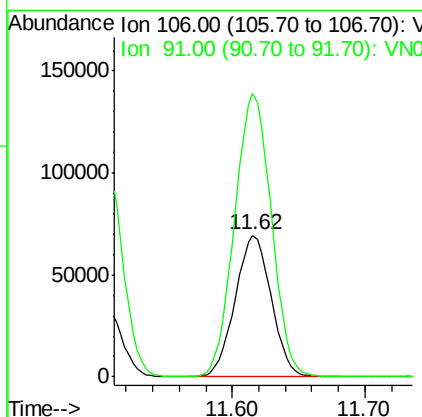
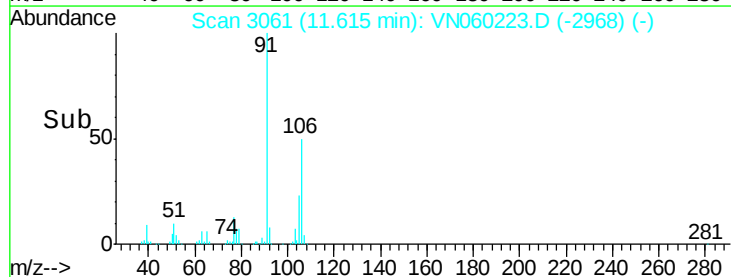
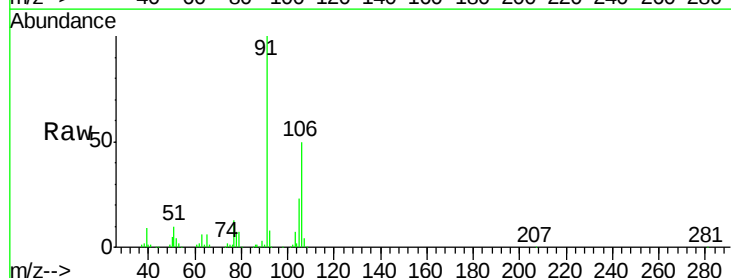
Manual Integrations
APPROVED

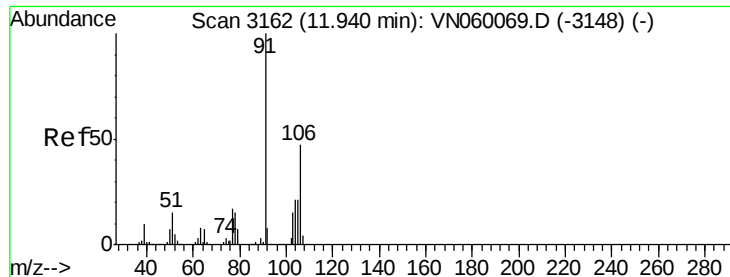
MMDadoda
2/26/2020 10:45:10 AM



#68
m/p-Xylenes
Concen: 36.310 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion: 106 Resp: 131289
Ion Ratio Lower Upper
106 100
91 203.4 162.7 244.1





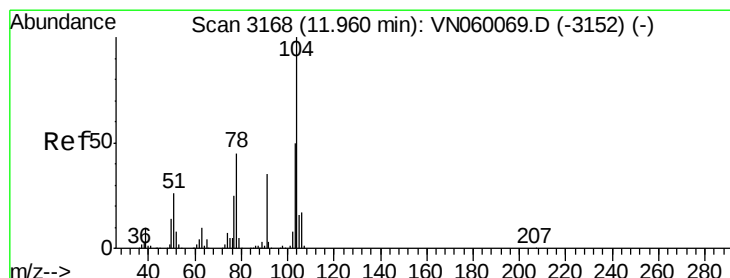
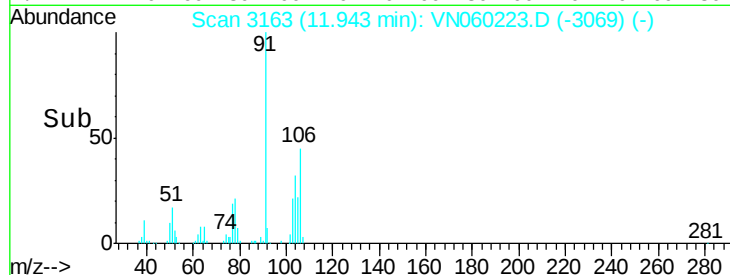
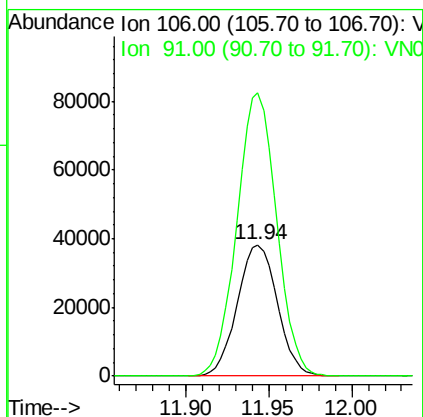
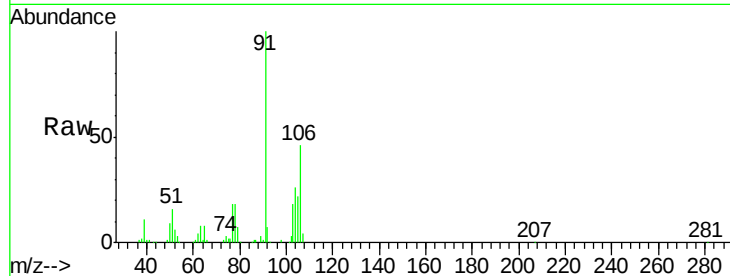
#69
o-Xylene
Concen: 18.429 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion:106 Resp: 64160
Ion Ratio Lower Upper
106 100
91 213.7 107.2 321.6

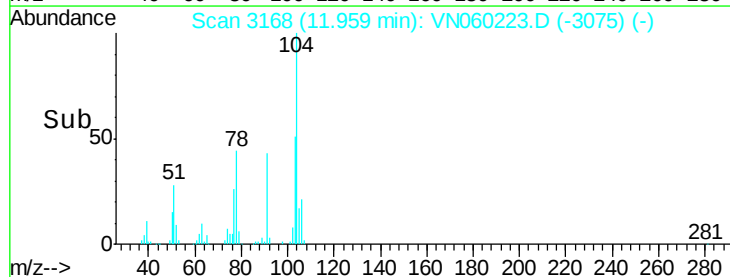
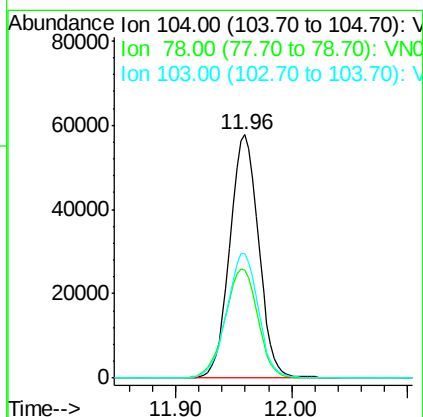
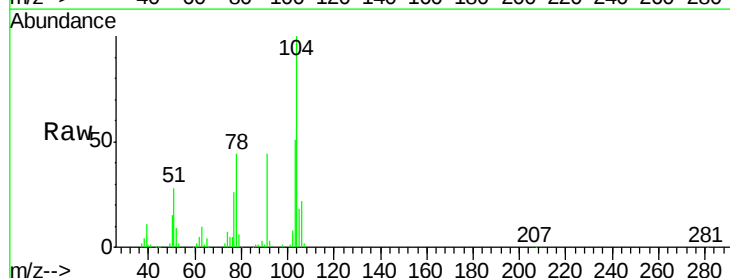
Manual Integrations
APPROVED

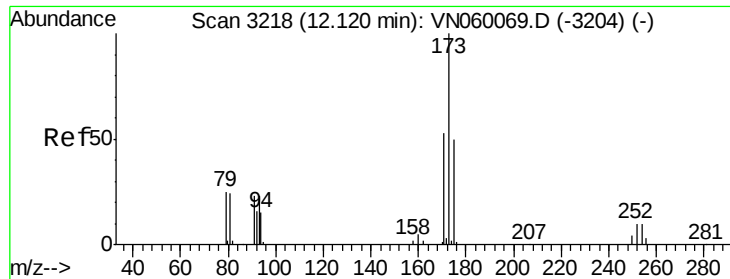
MMDadoda
2/26/2020 10:45:10 AM



#70
Styrene
Concen: 17.640 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion:104 Resp: 99030
Ion Ratio Lower Upper
104 100
78 51.0 40.2 60.2
103 56.1 44.3 66.5





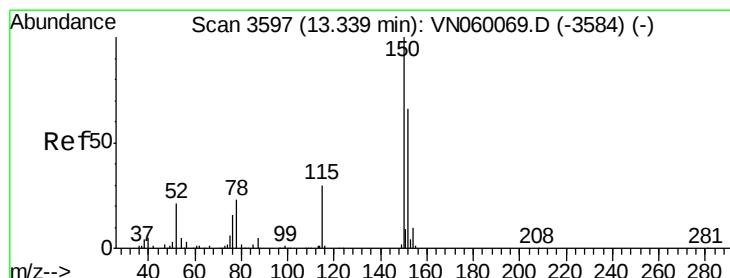
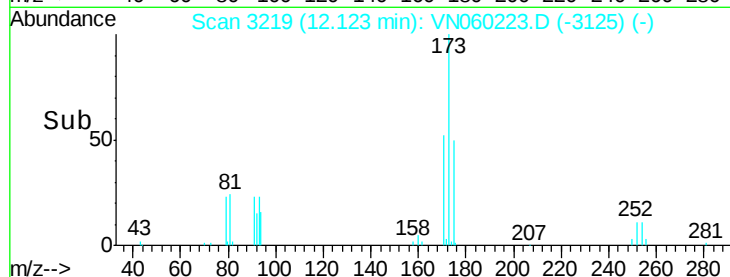
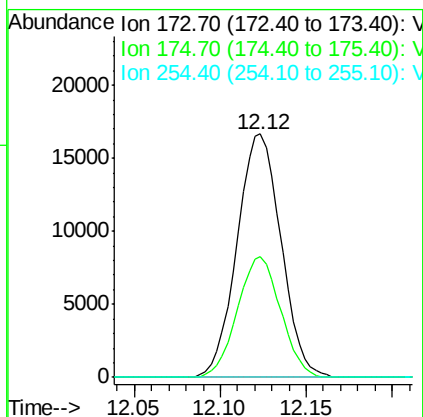
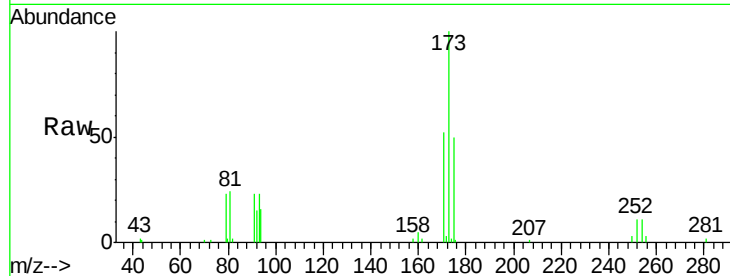
#71
Bromoform
Concen: 18.239 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.9	74.6
254	0.0	0.0	0.0

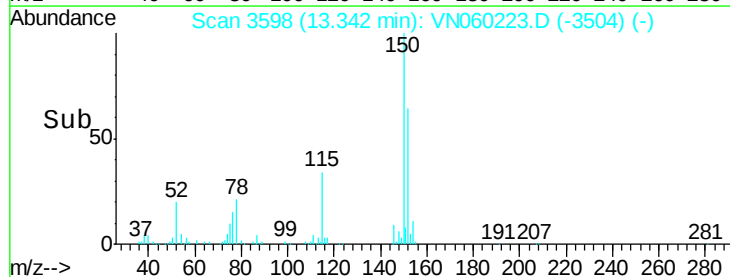
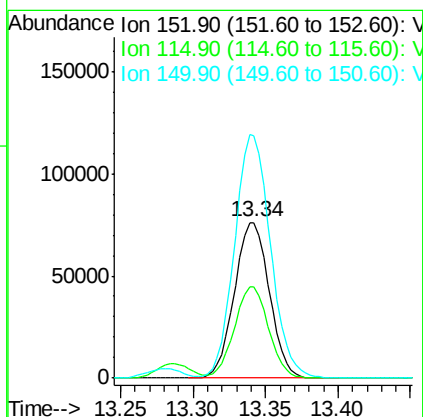
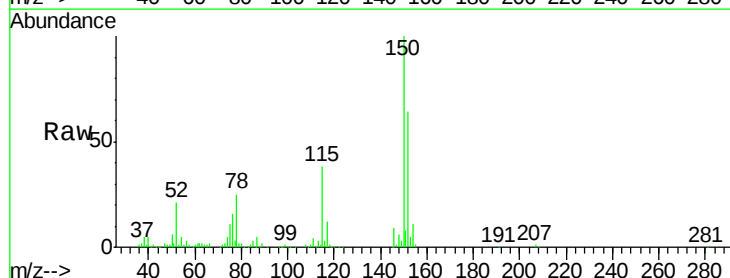
Manual Integrations
APPROVED

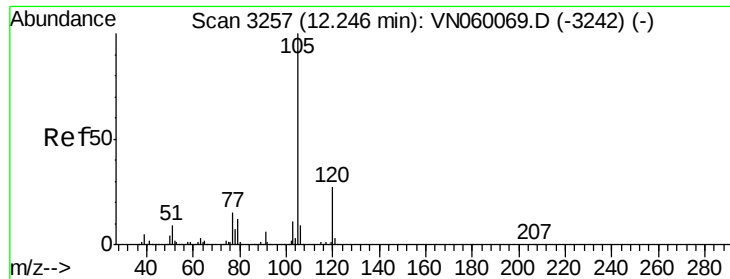
MMDadoda
2/26/2020 10:45:10 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.9	86.8
150	161.4	0.0	342.4





#73

Isopropylbenzene

Concen: 18.062 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion: 105 Resp: 171996

Ion Ratio Lower Upper

105 100

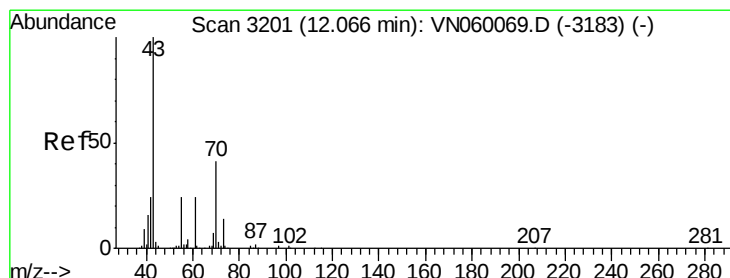
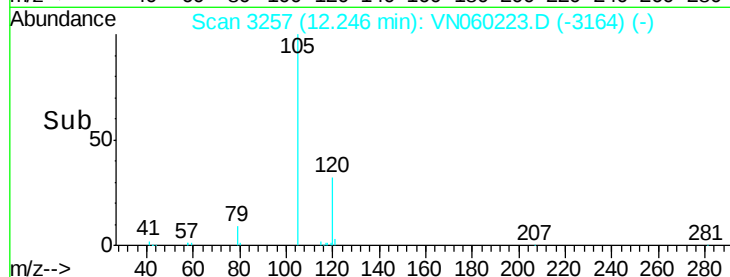
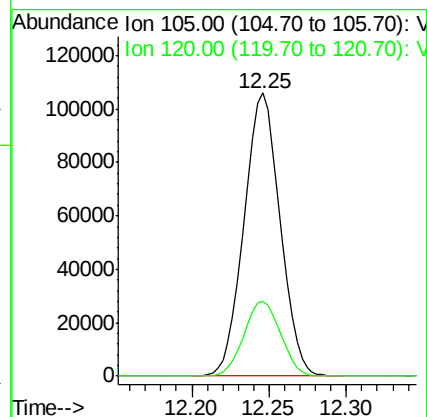
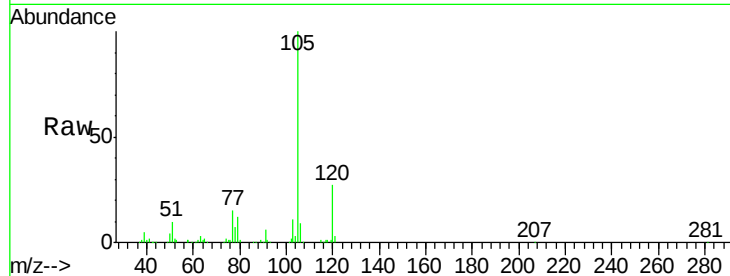
120 26.9 13.3 39.8

Manual Integrations

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MMDadoda

2/26/2020 10:45:10 AM



#74

N-ethyl acetate

Concen: 18.203 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Tgt Ion: 43 Resp: 62504

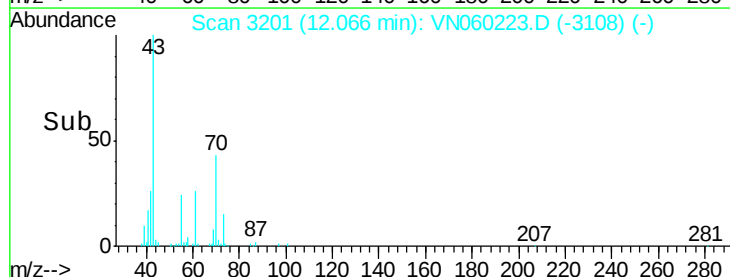
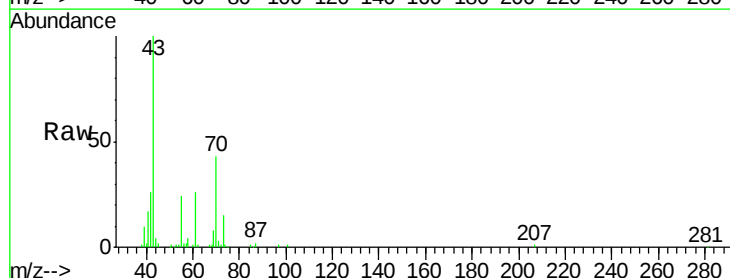
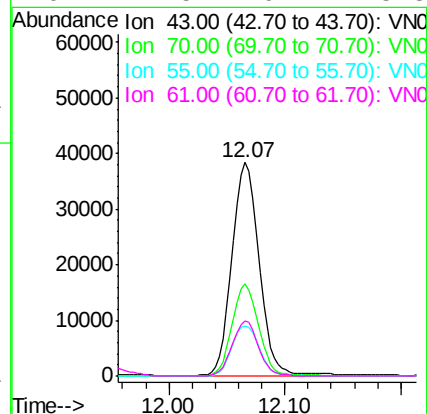
Ion Ratio Lower Upper

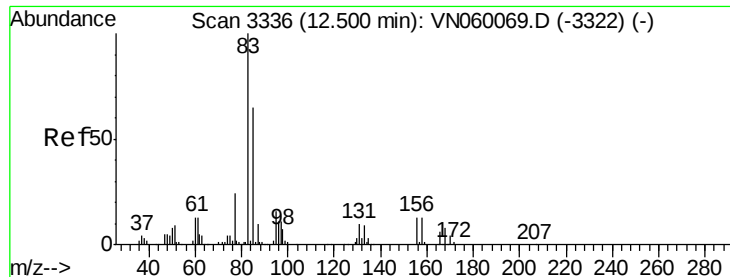
43 100

70 41.8 33.4 50.0

55 23.6 18.8 28.2

61 24.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.072 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

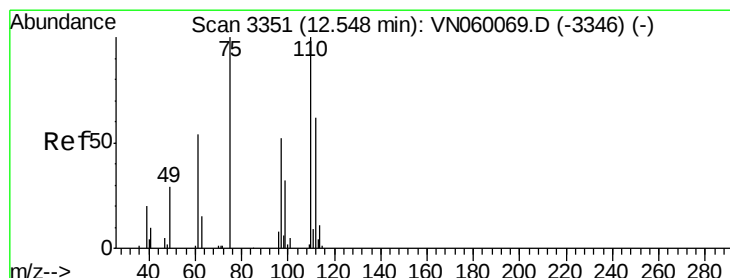
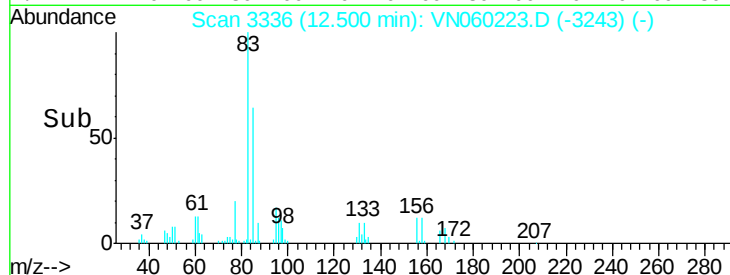
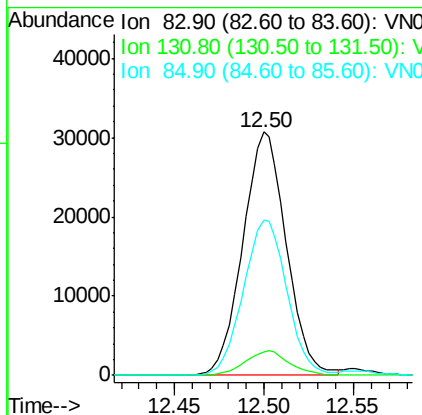
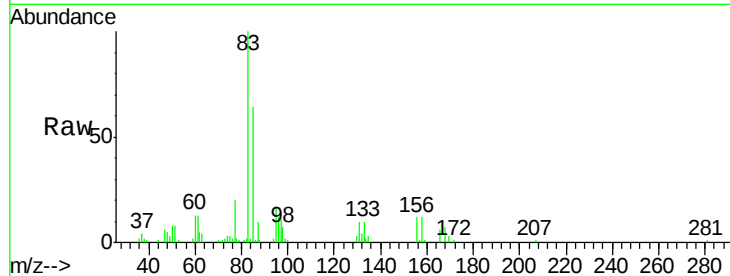
ClientSampleId :

VN0225WBSD01

Tot Ion:	83	Resp:	52276
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	63.7	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 18.277 ug/l m

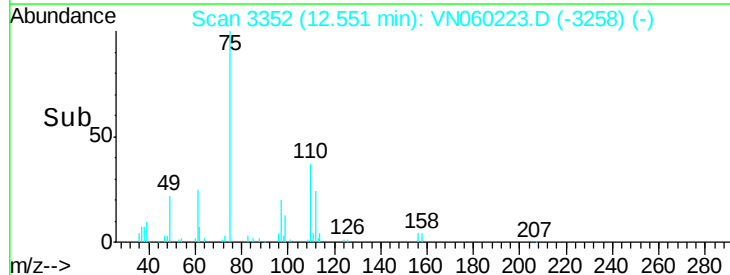
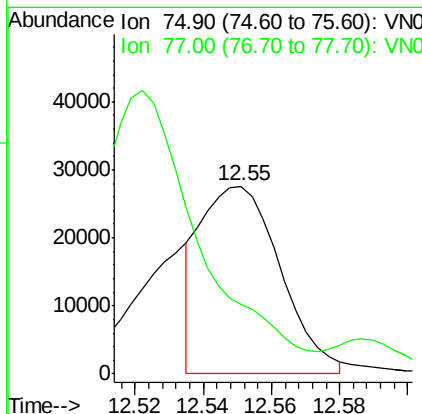
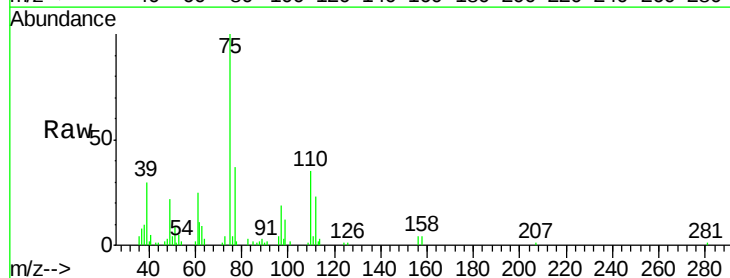
RT: 12.55 min Scan# 3352

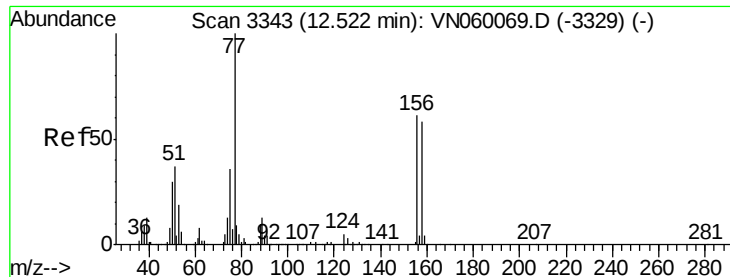
Delta R.T. 0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Tgt Ion:	75	Resp:	44591
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.229 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Instrument :

MSVOA_N

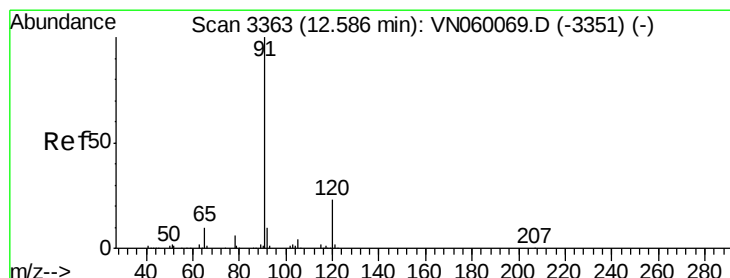
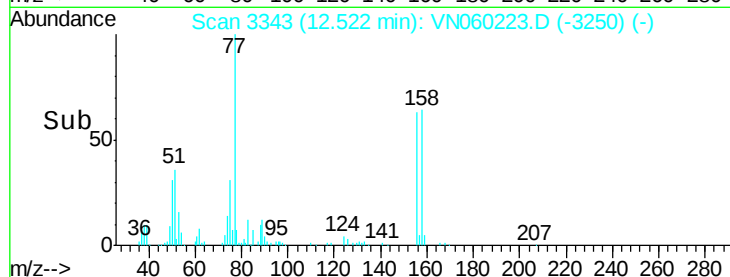
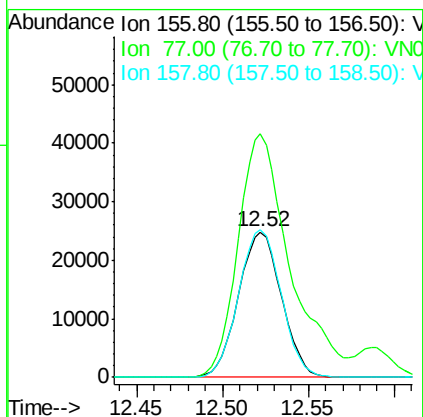
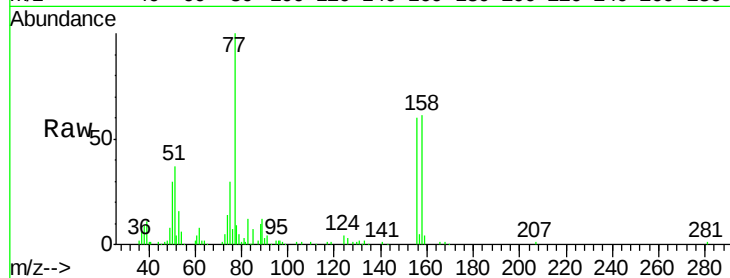
ClientSampleId :

VN0225WBSD01

Tot Ion:	156	Resp:	43079
Ion	Ratio	Lower	Upper
156	100		
77	202.7	98.7	296.1
158	100.8	48.1	144.4

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#78

n-propylbenzene

Concen: 17.906 ug/l

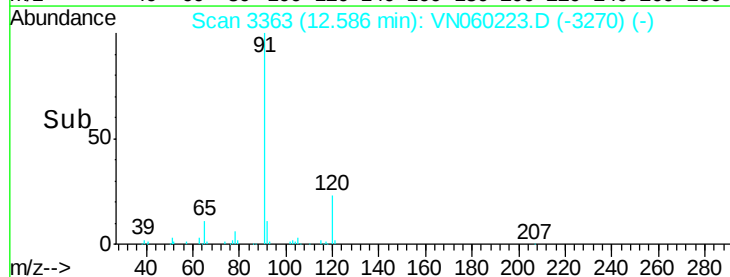
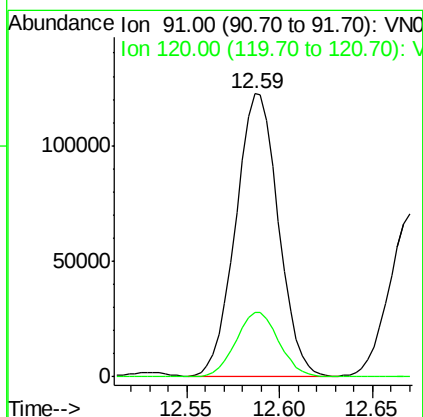
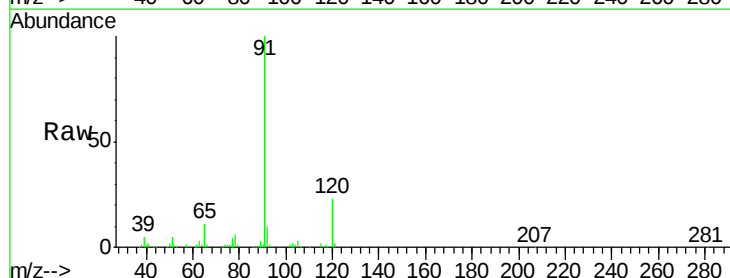
RT: 12.59 min Scan# 3363

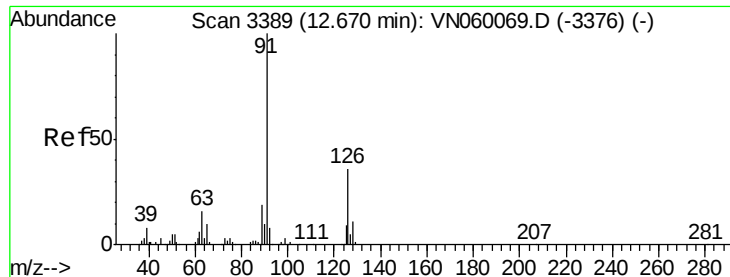
Delta R.T. -0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Tgt Ion:	91	Resp:	194263
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.5





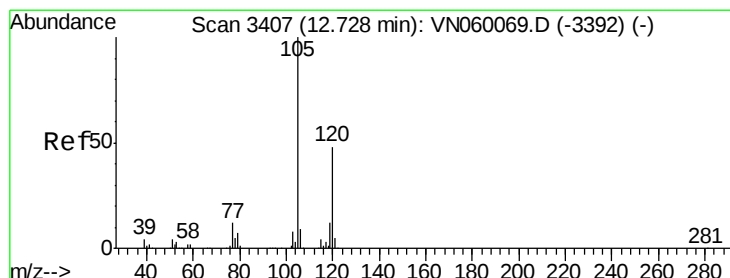
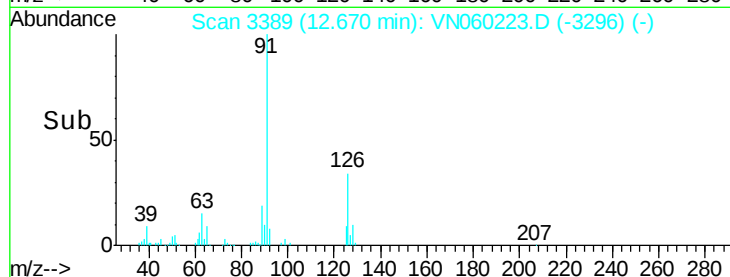
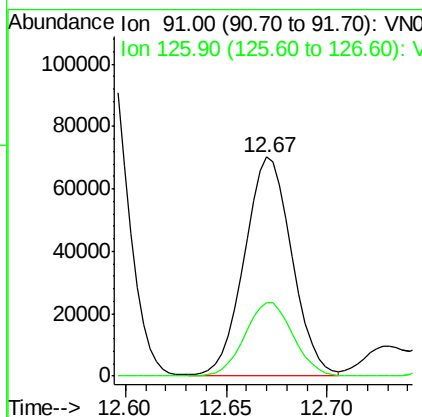
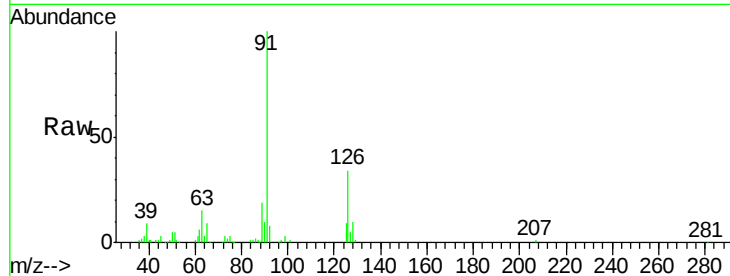
#79
 2-Chlorotoluene
 Concen: 17.952 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	34.7	17.4	52.2	

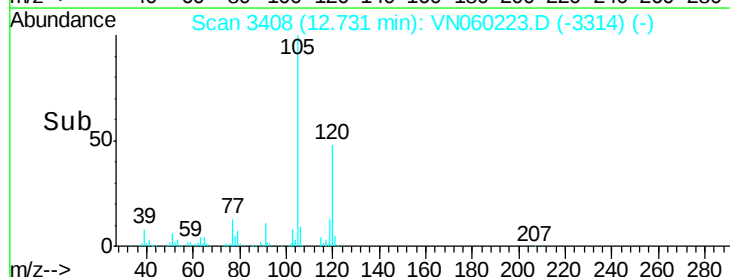
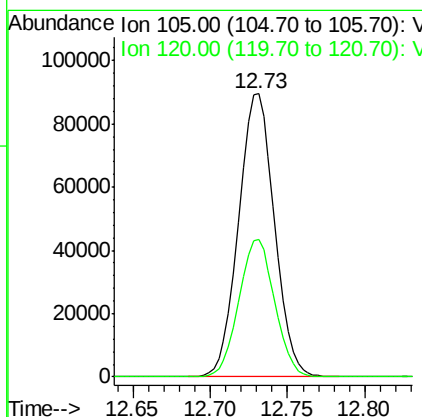
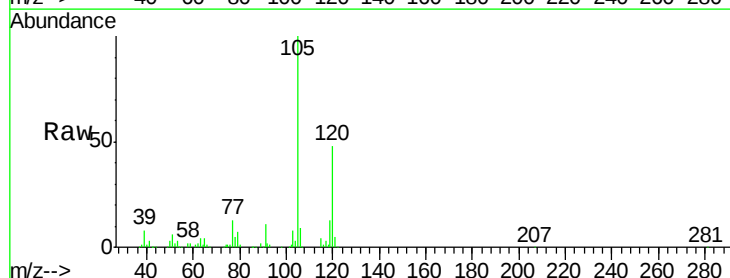
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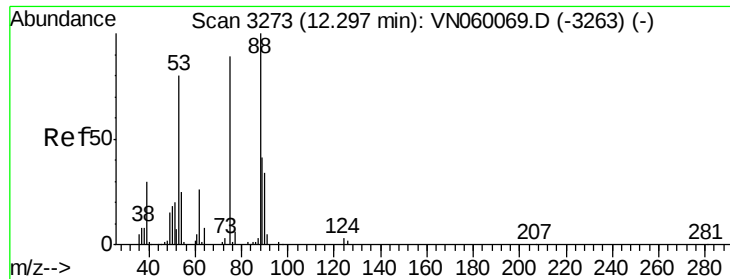
MMDadoda
 2/26/2020 10:45:10 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.208 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	48.5	24.3	72.9	





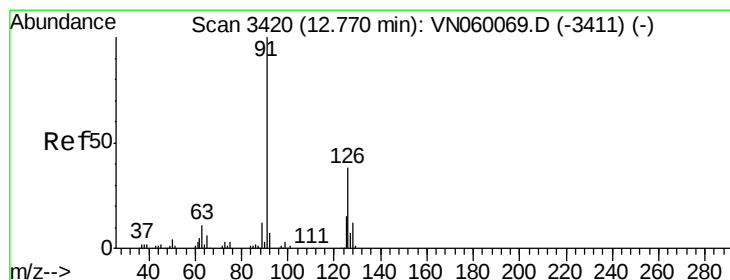
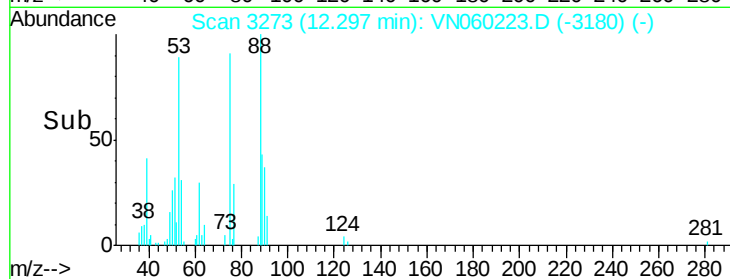
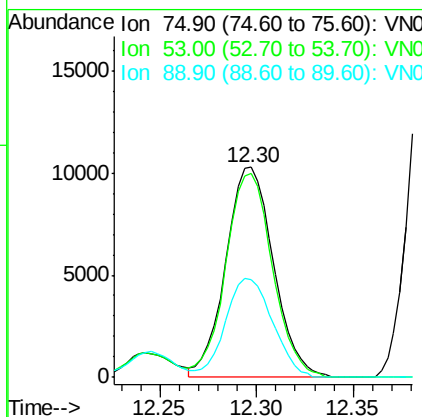
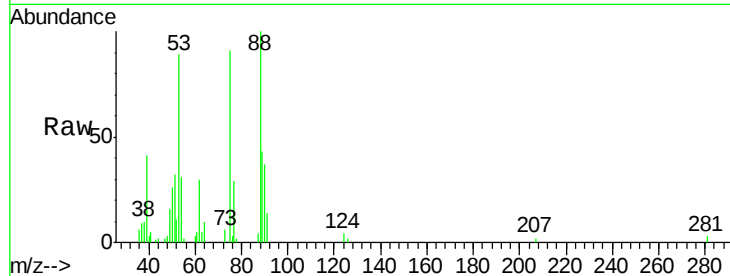
#81
trans-1,4-Dichloro-2-butene
Concen: 17.712 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.1	73.9	110.9
89	46.3	37.0	55.4

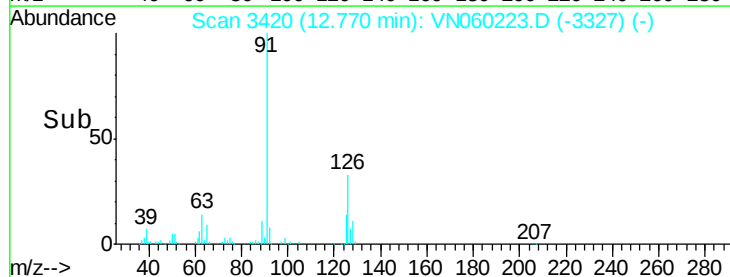
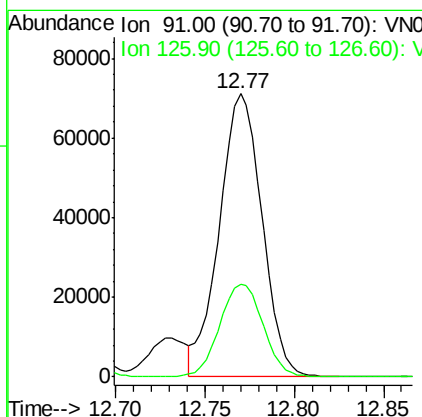
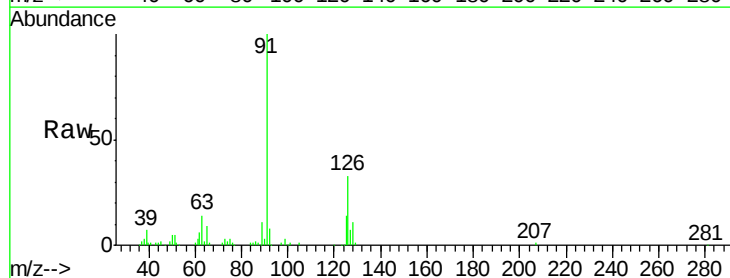
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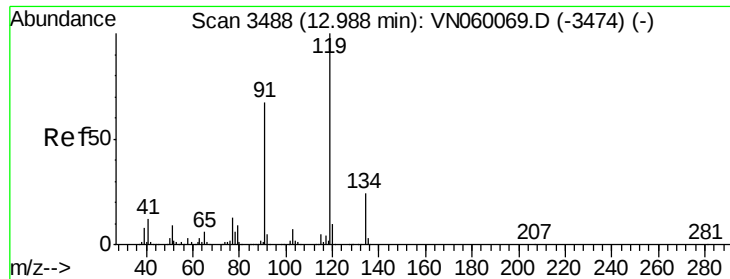
MMDadoda
2/26/2020 10:45:10 AM



#82
4-Chlorotoluene
Concen: 17.997 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	17.1	51.3





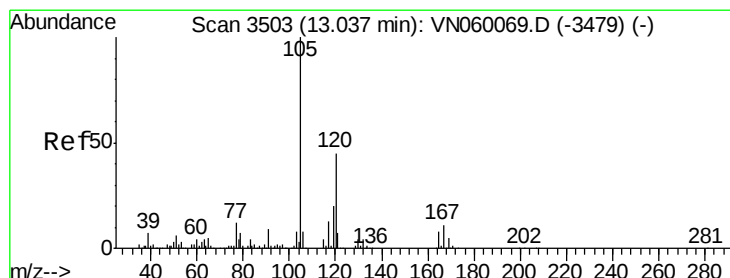
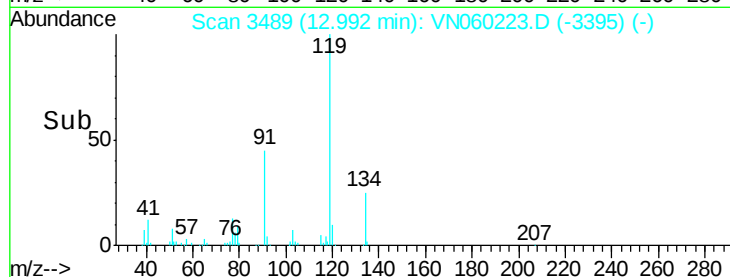
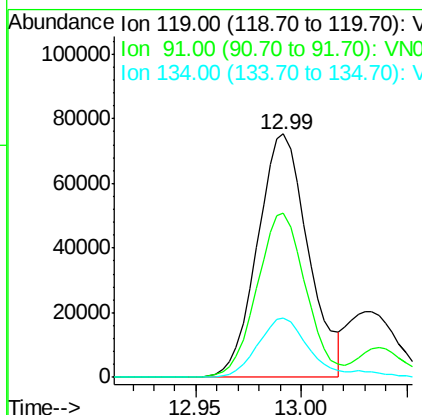
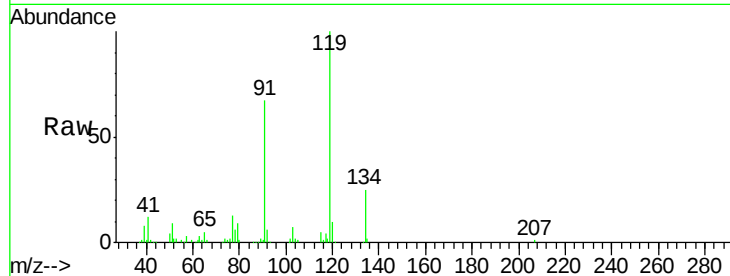
#83
tert-Butylbenzene
Concen: 18.009 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	126136		
91	65.1	32.7	98.1	
134	24.1	12.9	38.7	

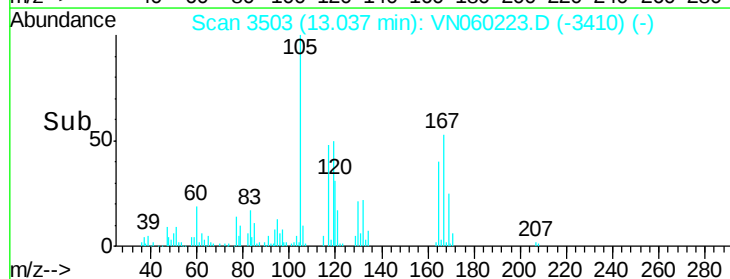
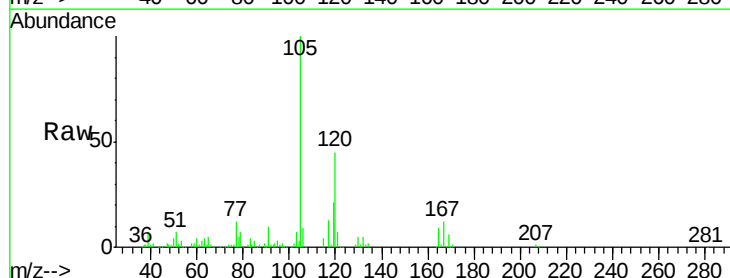
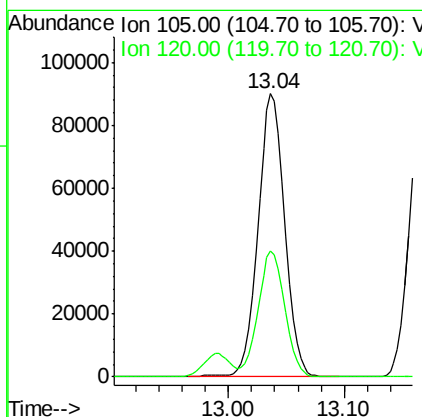
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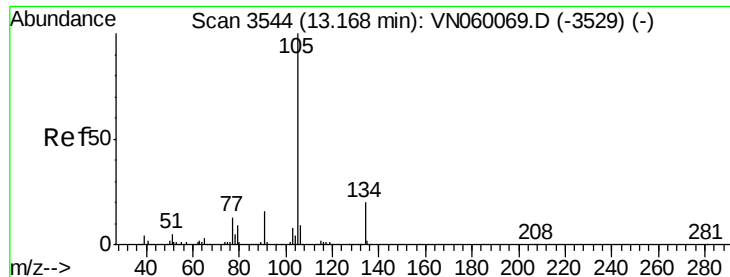
MMDadoda
2/26/2020 10:45:10 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.486 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	144479		
120	44.5	22.4	67.3	





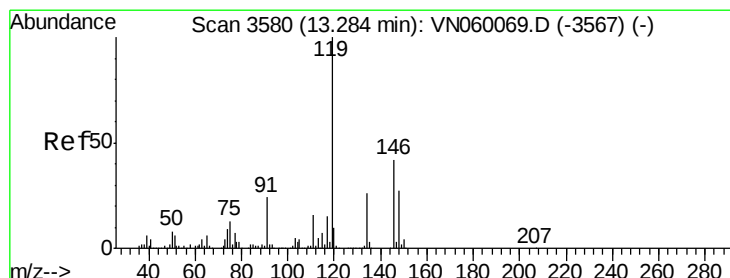
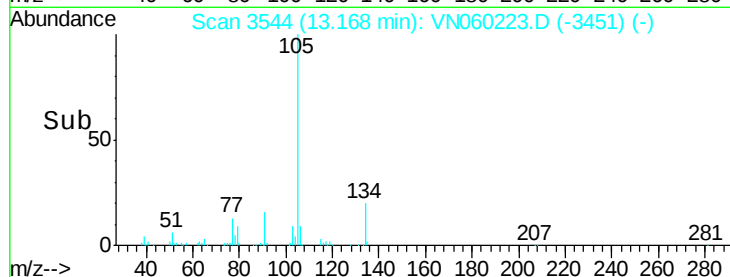
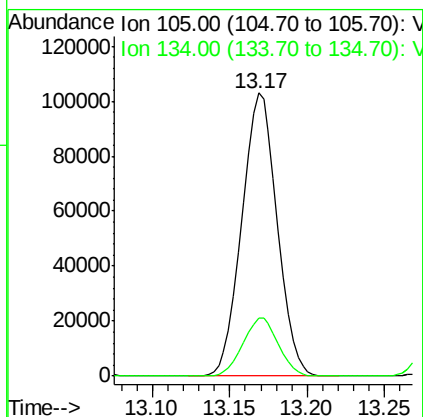
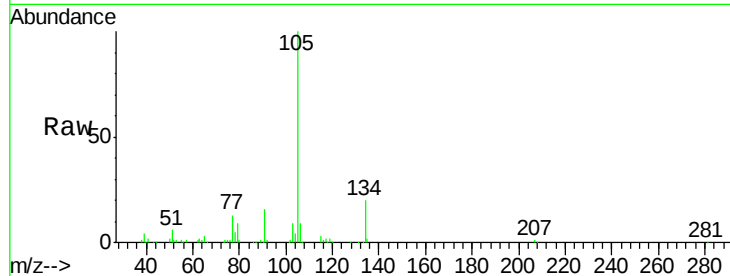
#85
 sec-Butylbenzene
 Concen: 17.645 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.9	29.7

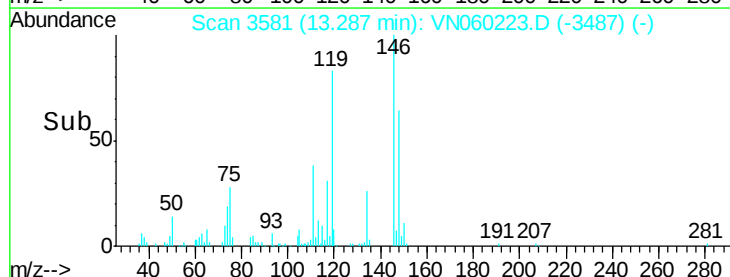
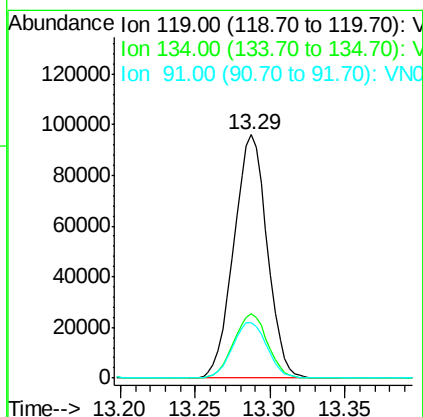
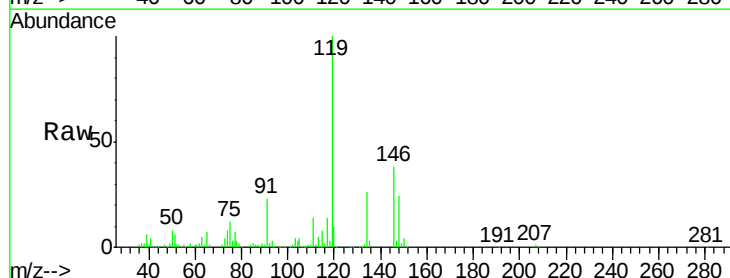
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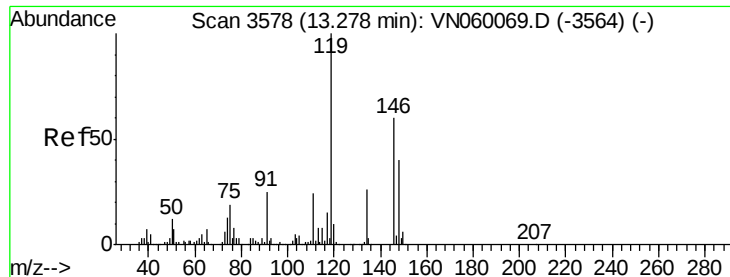
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#86
 p-Isopropyltoluene
 Concen: 17.746 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.8
91	23.9	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 17.986 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060223.D

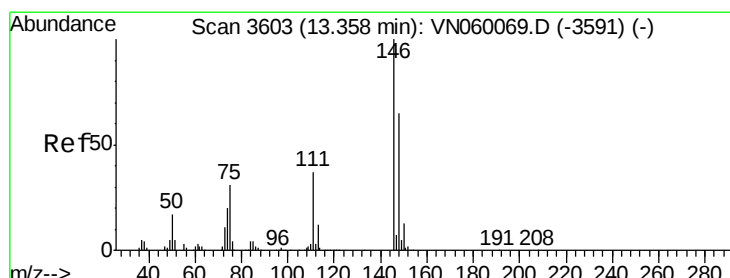
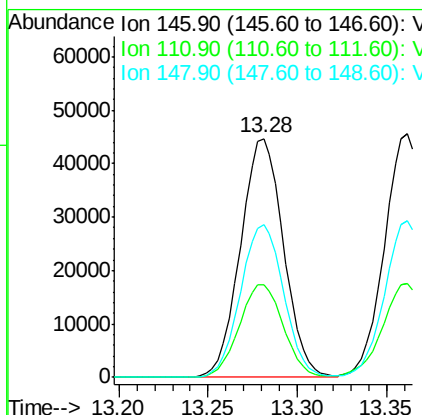
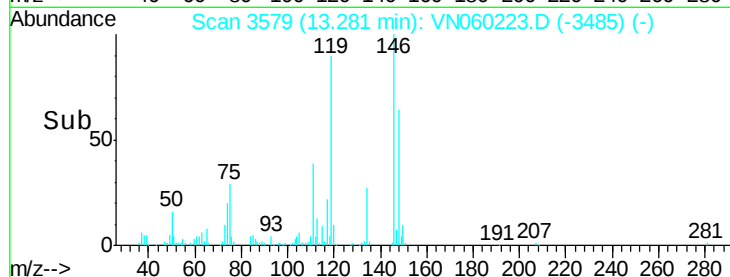
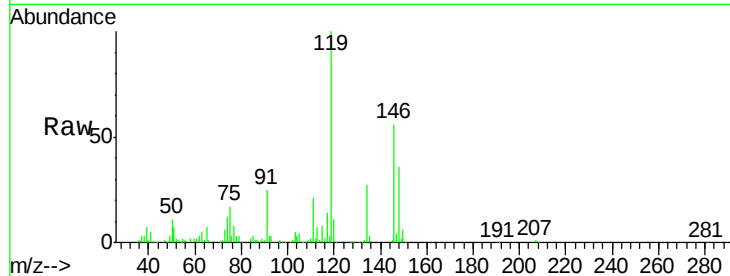
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.3
148	64.1	32.0	96.2

Manual Integrations
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2/26/2020 10:45:10 AM



#88

1,4-Dichlorobenzene

Concen: 18.034 ug/l

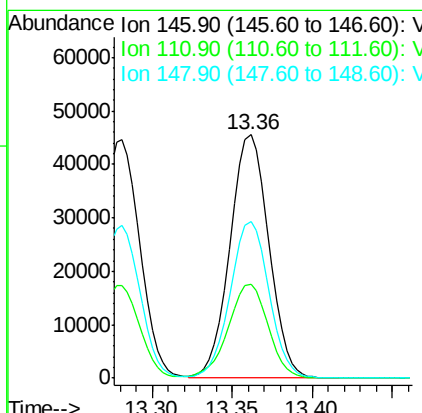
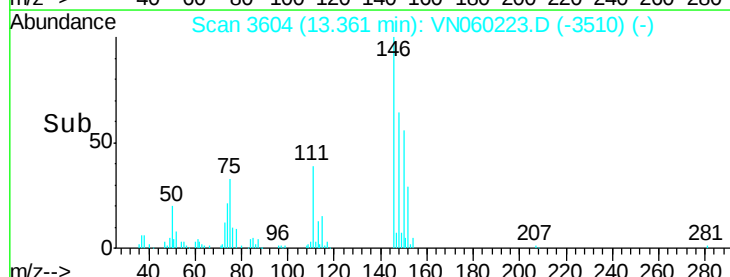
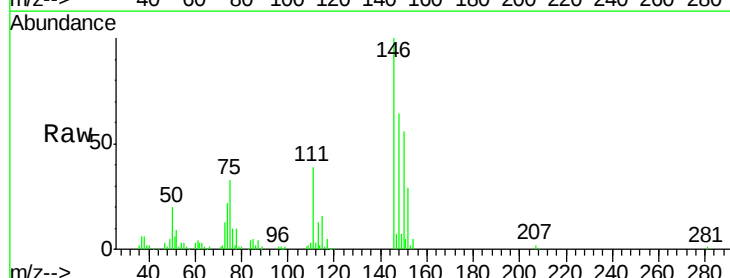
RT: 13.36 min Scan# 3604

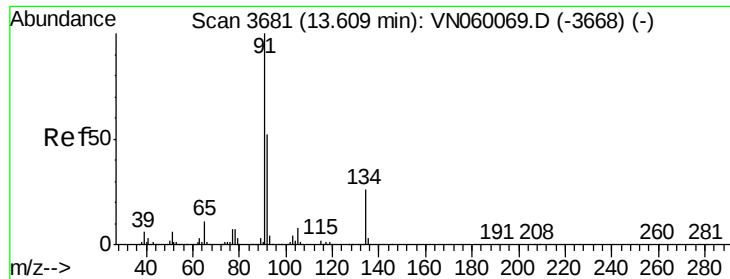
Delta R.T. 0.00 min

Lab File: VN060223.D

Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.9	56.5
148	64.1	32.0	96.0





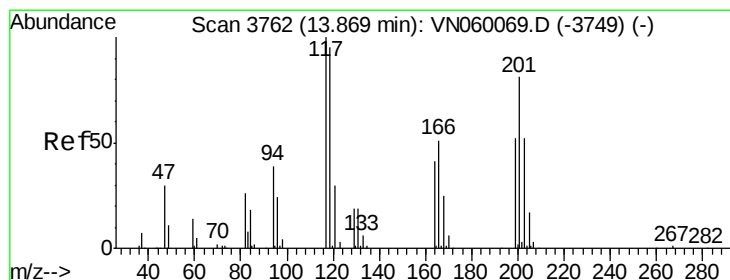
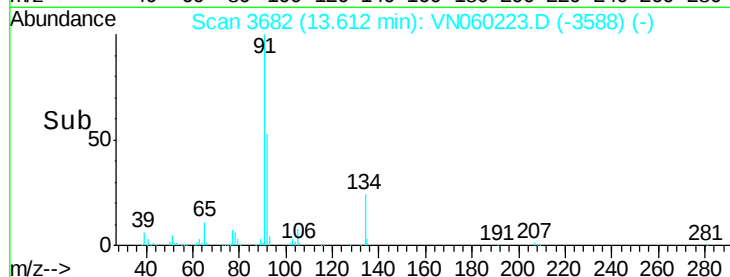
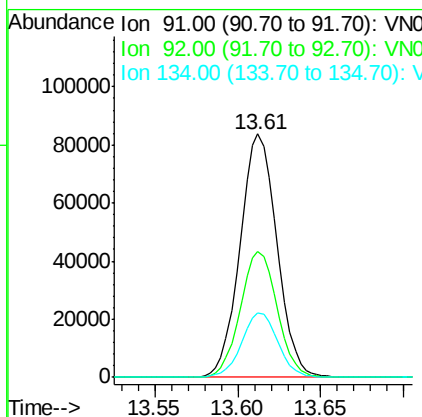
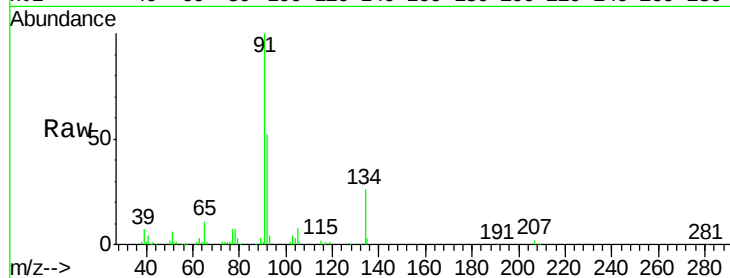
#89
n-Butylbenzene
Concen: 17.541 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	26.0	13.1	39.3

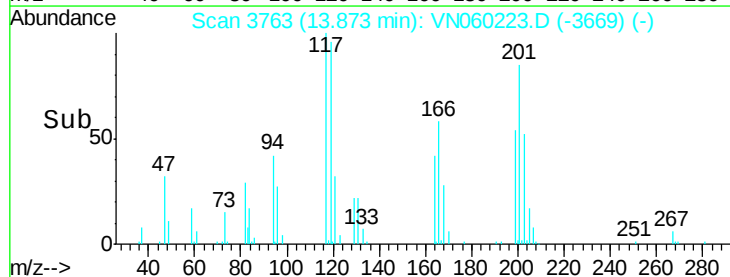
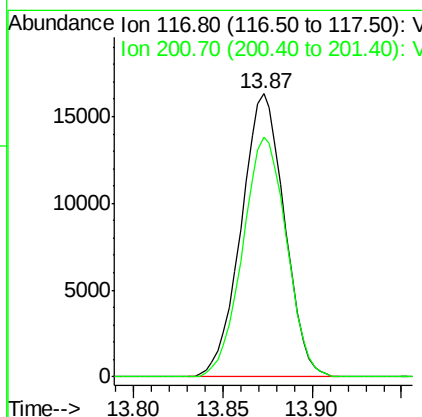
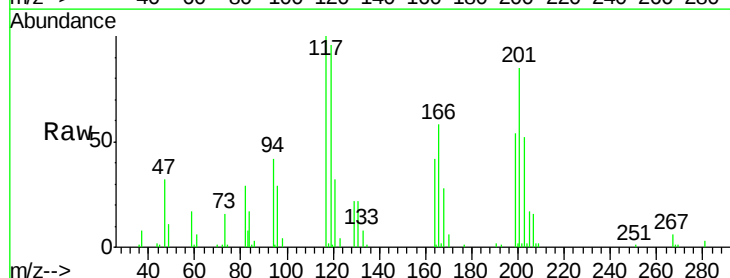
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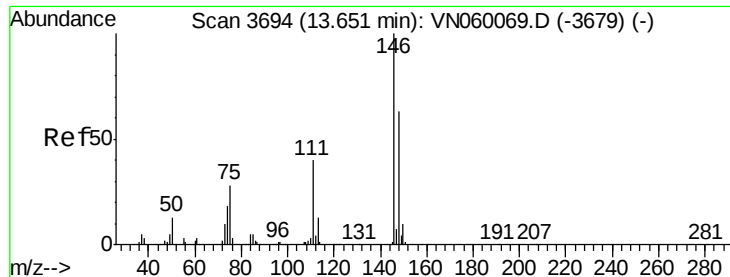
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#90
Hexachloroethane
Concen: 17.658 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	41.7	125.1





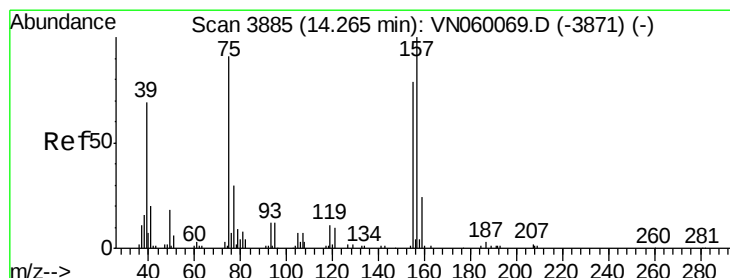
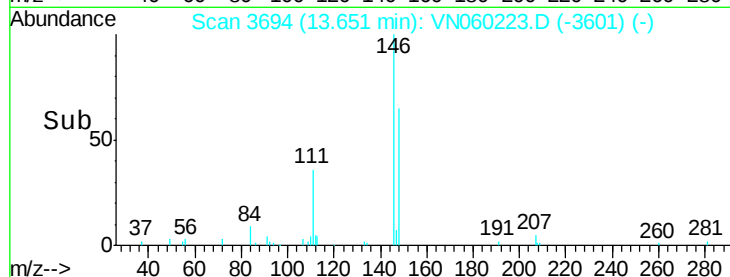
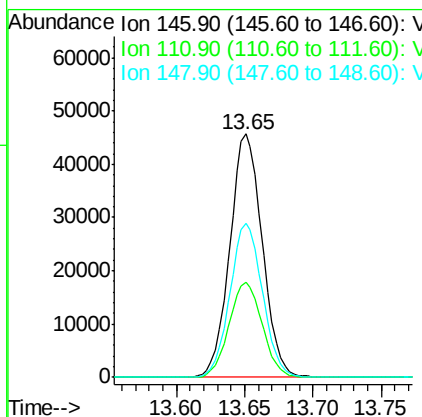
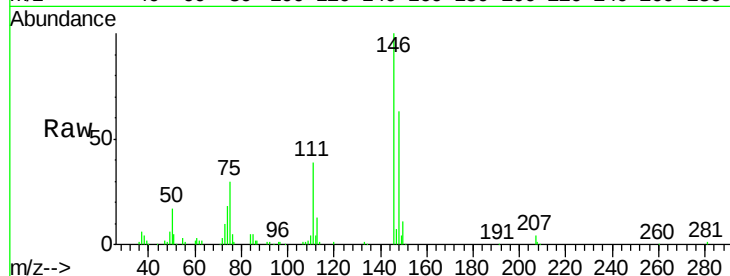
#91
 1,2-Dichlorobenzene
 Concen: 18.454 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.1	60.2
148	63.2	31.9	95.5

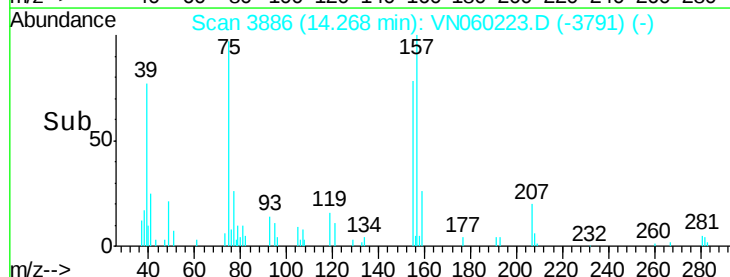
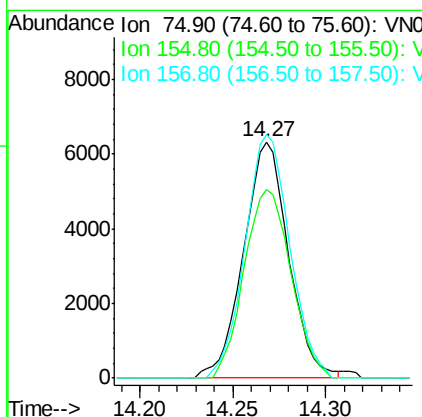
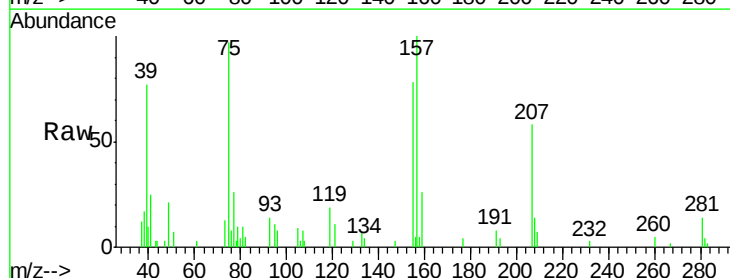
Manual Integrations
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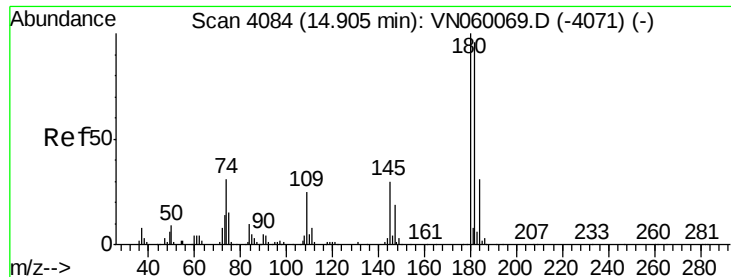
MMDadoda
 2/26/2020 10:45:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.867 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	43.0	129.0
157	102.7	54.9	164.5





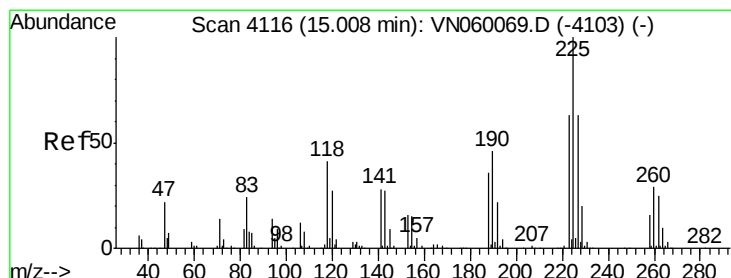
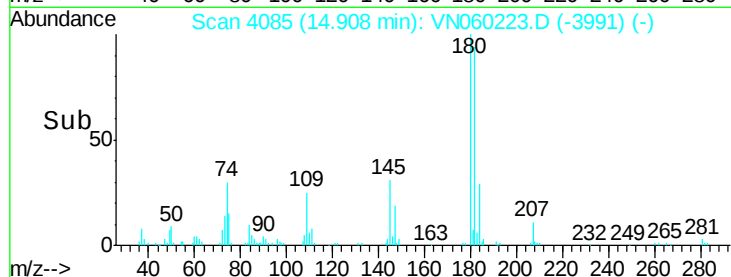
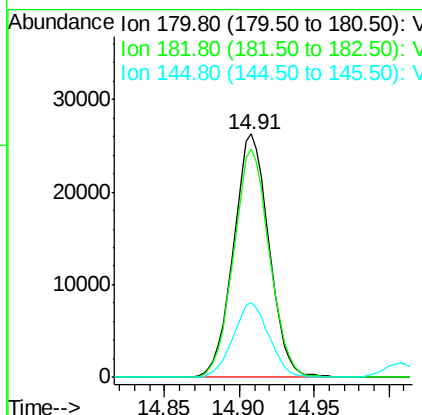
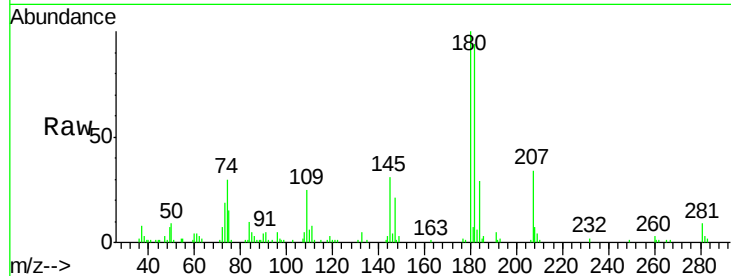
#93
 1,2,4-Trichlorobenzene
 Concen: 18.058 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.8
145	30.8	15.2	45.5

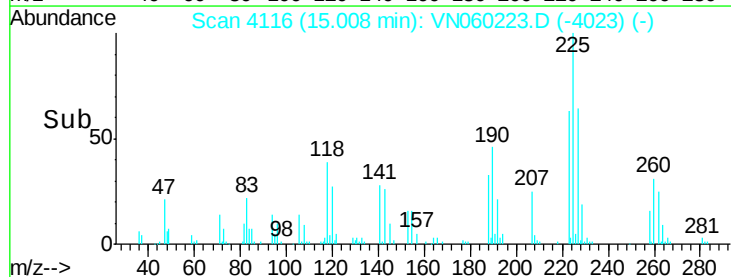
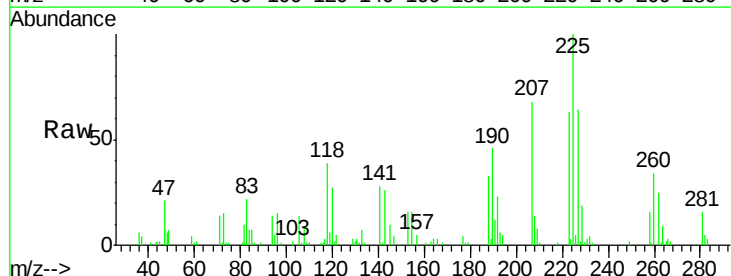
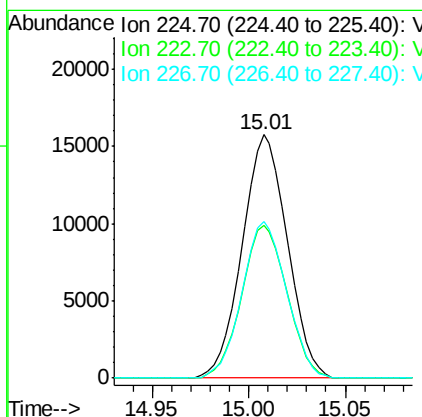
Manual Integrations
 APPROVED

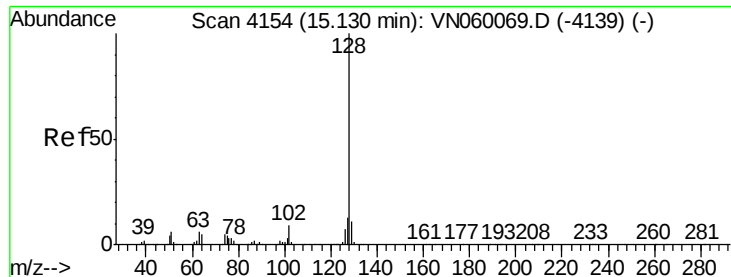
MMDadoda
 2/26/2020 10:45:10 AM



#94
 Hexachlorobutadiene
 Concen: 18.217 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060223.D
 Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.5	94.5
227	63.3	31.8	95.4





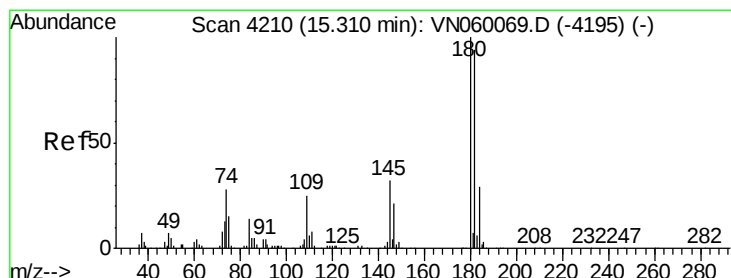
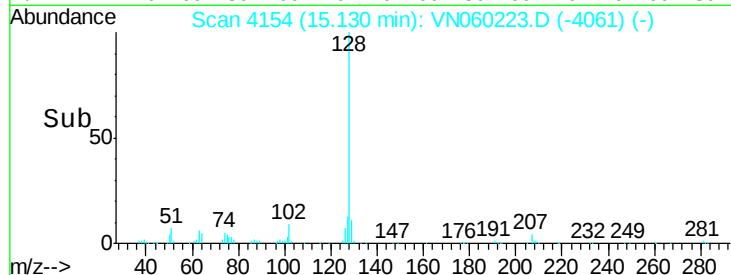
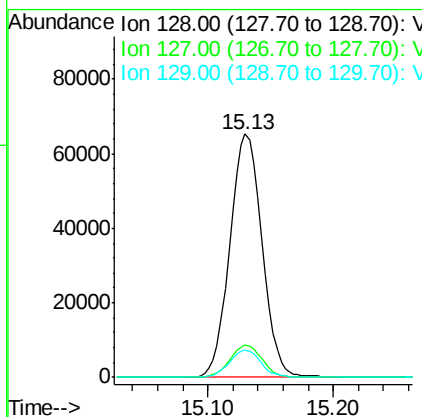
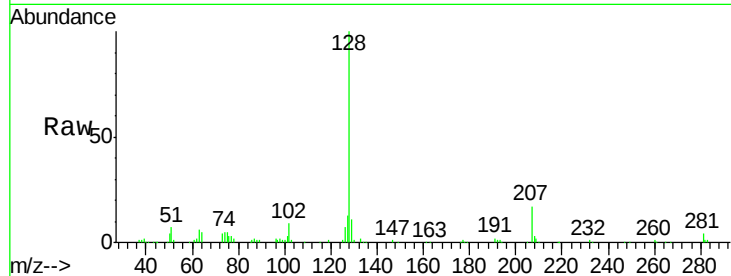
#95
Naphthalene
Concen: 17.903 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/26/2020 10:45:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.382 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060223.D
Acq: 25 Feb 2020 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.5
145	32.2	16.1	48.3

