

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
 Data File : VN060101.D
 Acq On : 14 Feb 2020 11:06
 Operator : JC/MD
 Sample : VN0214WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 9:30:14 AM

Quant Time: Feb 15 02:54:32 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	194818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	312549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	122689	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	7.56	113	97562	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	10.08	98	379493	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	139373	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	41184	21.149	ug/l	97
3) Chloromethane	2.04	50	49876	21.522	ug/l	99
4) Vinyl Chloride	2.17	62	54287	20.552	ug/l	99
5) Bromomethane	2.55	94	32289	19.936	ug/l	96
6) Chloroethane	2.69	64	27526	20.603	ug/l	97
7) Trichlorofluoromethane	3.00	101	65773	19.313	ug/l	100
8) Diethyl Ether	3.38	74	23868	21.054	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37520	19.844	ug/l	99
10) Methyl Iodide	3.93	142	47960	20.424	ug/l	99
11) Tert butyl alcohol	4.73	59	36435	102.707	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	36590	19.865	ug/l	98
13) Acrolein	3.58	56	24131	68.818	ug/l	98
14) Allyl chloride	4.29	41	55131	20.336	ug/l	97
15) Acrylonitrile	4.94	53	92413	106.670	ug/l	99
16) Acetone	3.78	43	97295	94.092	ug/l	100
17) Carbon Disulfide	4.03	76	109769	19.771	ug/l	98
18) Methyl Acetate	4.29	43	43029	22.152	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	124585	20.113	ug/l	98
20) Methylene Chloride	4.52	84	41074	19.910	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	40027	19.935	ug/l	98
22) Diisopropyl ether	5.91	45	125709	21.158	ug/l	98
23) Vinyl Acetate	5.86	43	524084	105.038	ug/l	99
24) 1,1-Dichloroethane	5.82	63	74172	20.607	ug/l	99
25) 2-Butanone	6.80	43	132873	102.171	ug/l	97
26) 2,2-Dichloropropane	6.79	77	67600	19.774	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	46620	19.840	ug/l	99
28) Bromochloromethane	7.17	49	30224	21.360	ug/l	94
29) Tetrahydrofuran	7.18	42	84022	105.313	ug/l	96
30) Chloroform	7.35	83	73989	19.624	ug/l	97
31) Cyclohexane	7.63	56	70383	20.992	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	67330	19.542	ug/l	99
36) 1,1-Dichloropropene	7.77	75	57040	19.703	ug/l	99
37) Ethyl Acetate	6.90	43	53065	20.282	ug/l	99
38) Carbon Tetrachloride	7.75	117	59267	18.851	ug/l	99

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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	70225	19.542	ug/l	97
40) Benzene	8.02	78	167562	19.512	ug/l	99
41) Methacrylonitrile	7.15	41	23778m	21.671	ug/l	
42) 1,2-Dichloroethane	8.10	62	60418	20.074	ug/l	99
43) Isopropyl Acetate	8.14	43	91201	20.392	ug/l	98
44) Trichloroethene	8.82	130	45517	19.142	ug/l	98
45) 1,2-Dichloropropane	9.10	63	44720	21.034	ug/l	98
46) Dibromomethane	9.19	93	28777	19.154	ug/l	99
47) Bromodichloromethane	9.39	83	59940	19.623	ug/l	100
48) Methyl methacrylate	9.18	41	39980	19.924	ug/l	96
49) 1,4-Dioxane	9.18	88	14417	420.497	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	264592	102.208	ug/l	99
52) Toluene	10.14	92	105993	19.247	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	67363	19.538	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	72871	20.071	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	41335	19.240	ug/l	98
56) Ethyl methacrylate	10.42	69	59095	19.445	ug/l	95
57) 1,3-Dichloropropane	10.70	76	69431	19.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	140930	99.538	ug/l	97
59) 2-Hexanone	10.74	43	199575	99.800	ug/l	98
60) Dibromochloromethane	10.89	129	45256	18.357	ug/l	99
61) 1,2-Dibromoethane	10.99	107	43822	19.458	ug/l	100
64) Tetrachloroethene	10.62	164	40997	18.669	ug/l	98
65) Chlorobenzene	11.43	112	113416	19.271	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	41943	18.839	ug/l	97
67) Ethyl Benzene	11.50	91	206139	19.420	ug/l	98
68) m/p-Xylenes	11.62	106	153707	38.582	ug/l	100
69) o-Xylene	11.94	106	73190	19.081	ug/l	99
70) Styrene	11.96	104	116778	18.879	ug/l	99
71) Bromoform	12.12	173	32978	18.416	ug/l #	98
73) Isopropylbenzene	12.25	105	202195	19.641	ug/l	99
74) N-amyl acetate	12.06	43	77222	20.802	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	60729	20.495	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	53918m	20.443	ug/l	
77) Bromobenzene	12.52	156	49042	19.196	ug/l	96
78) n-propylbenzene	12.59	91	231064	19.700	ug/l	100
79) 2-Chlorotoluene	12.67	91	136543	19.806	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	168288	19.661	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20708	19.224	ug/l	97
82) 4-Chlorotoluene	12.77	91	136443	19.291	ug/l	99
83) tert-Butylbenzene	12.99	119	143170	18.908	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	169317	20.039	ug/l	100
85) sec-Butylbenzene	13.17	105	194633	19.409	ug/l	99
86) p-Isopropyltoluene	13.28	119	175302	19.295	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	87128	19.266	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	86102	19.043	ug/l	98
89) n-Butylbenzene	13.61	91	156605	19.597	ug/l	99
90) Hexachloroethane	13.87	117	32597	19.205	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	84752	19.150	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12274	19.003	ug/l	92

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ClientSampleId :
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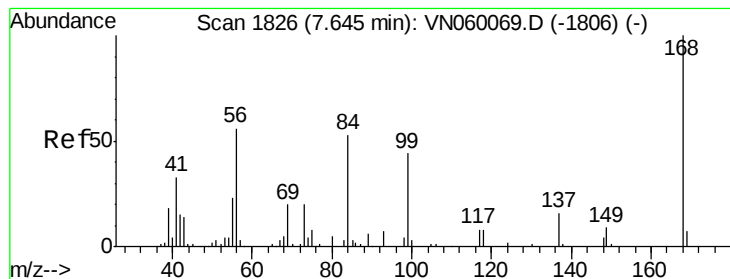
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49311	18.963	ug/l	99
94) Hexachlorobutadiene	15.01	225	28142	18.486	ug/l	98
95) Naphthalene	15.13	128	133261	18.971	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49270	19.026	ug/l	97

(#) = 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: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion:168 Resp: 194818

Ion Ratio Lower Upper

168 100

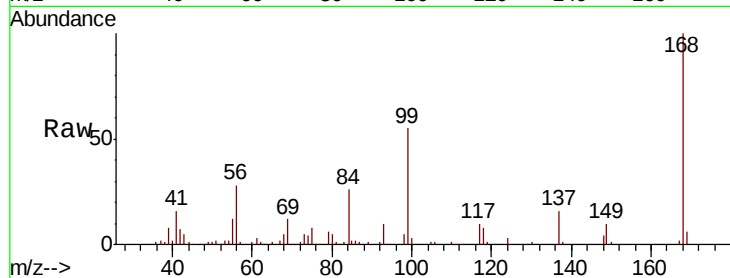
99 55.4 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

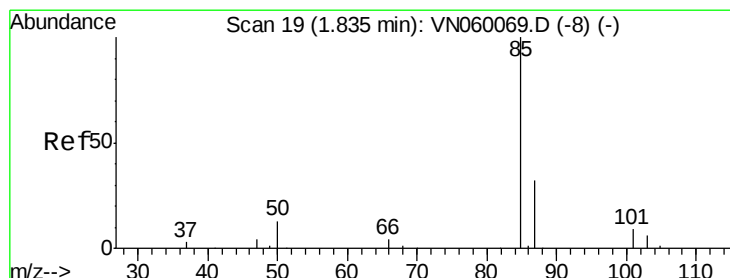
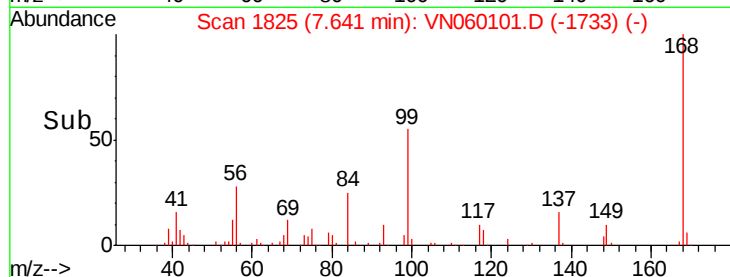
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.149 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060101.D

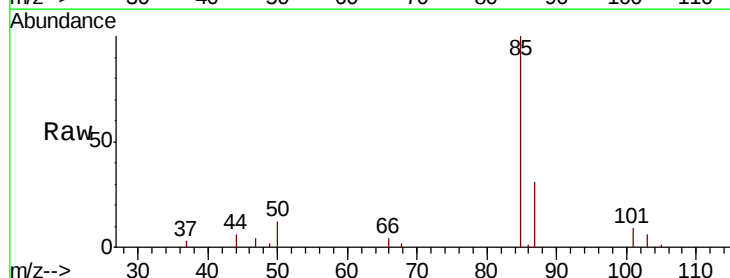
Acq: 14 Feb 2020 11:06

Tgt Ion: 85 Resp: 41184

Ion Ratio Lower Upper

85 100

87 30.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

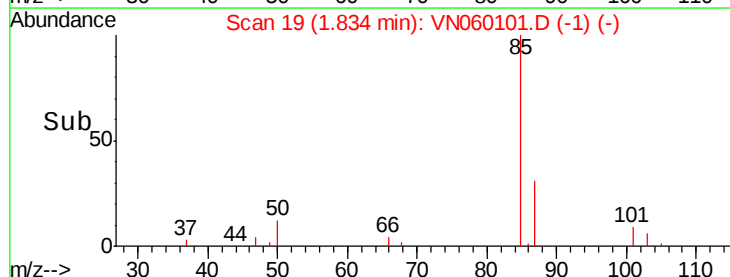
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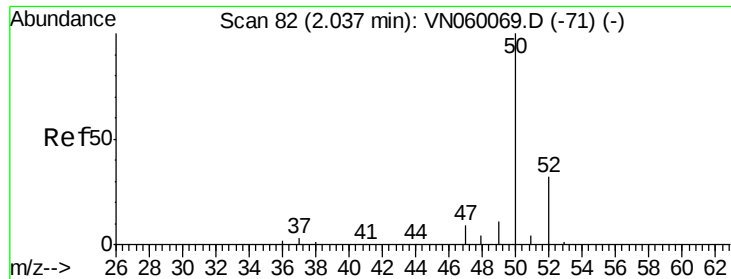
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.522 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 50 Resp: 49876

Ion Ratio Lower Upper

50 100

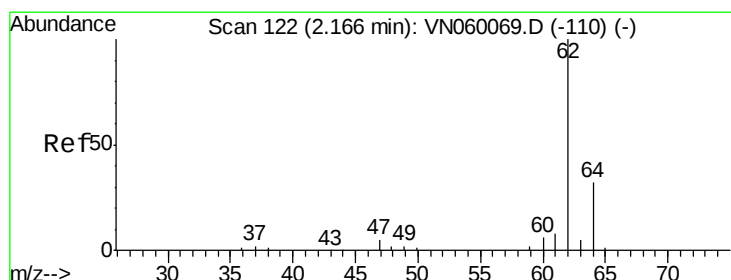
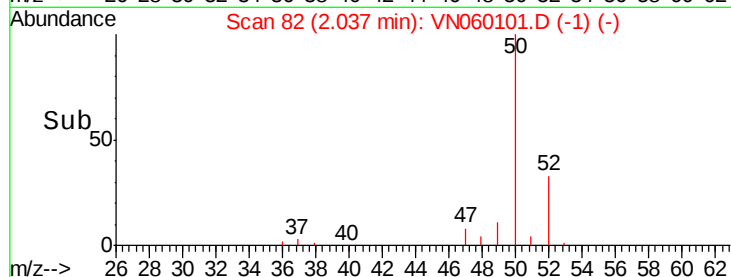
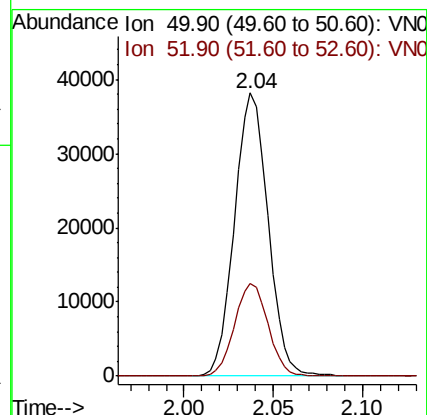
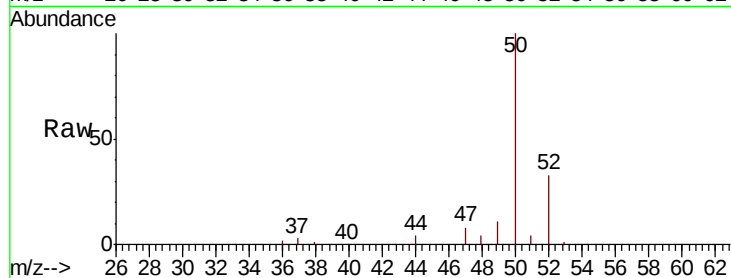
52 32.7 25.6 38.4

Manual Integrations

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2/18/2020 9:30:14 AM



#4

Vinyl Chloride

Concen: 20.552 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060101.D

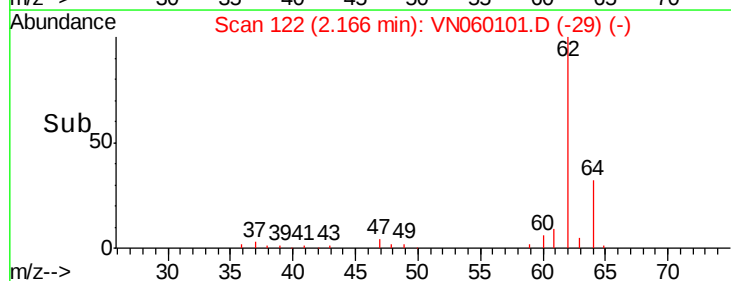
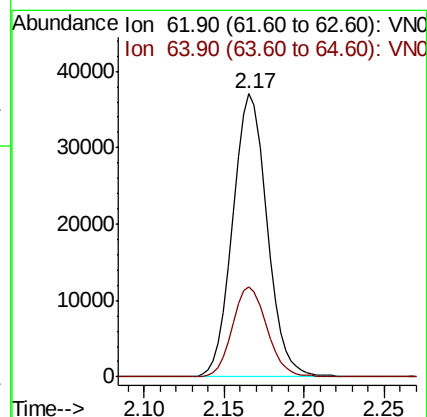
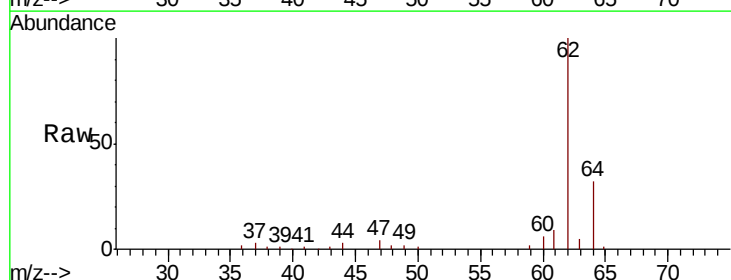
Acq: 14 Feb 2020 11:06

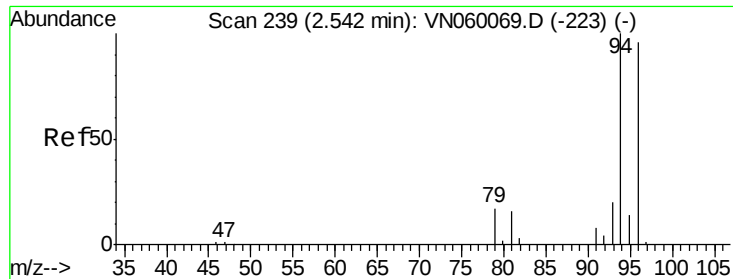
Tgt Ion: 62 Resp: 54287

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9





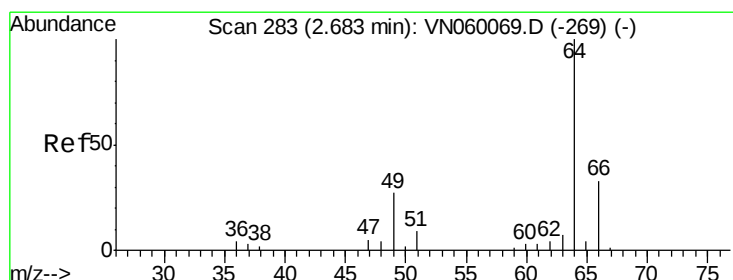
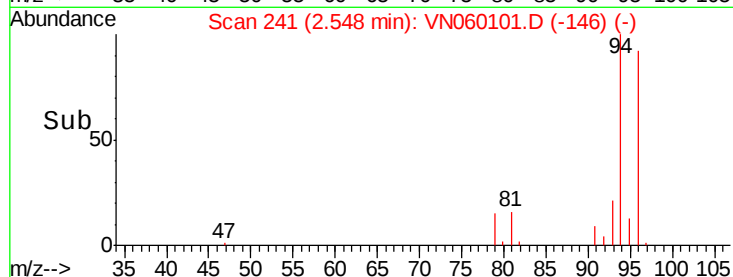
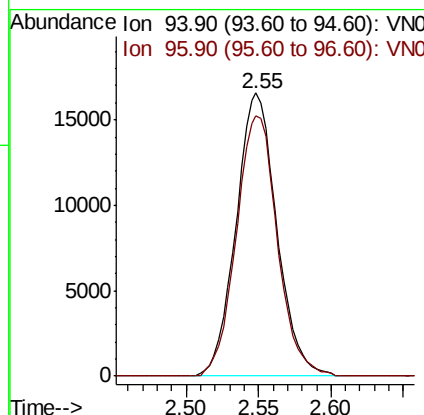
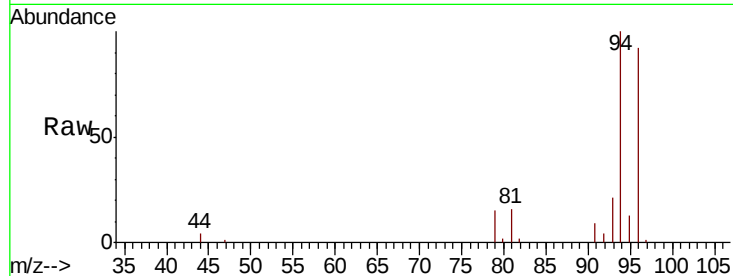
#5
Bromomethane
Concen: 19.936 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 32289
Ion Ratio Lower Upper
94 100
96 92.1 76.7 115.1

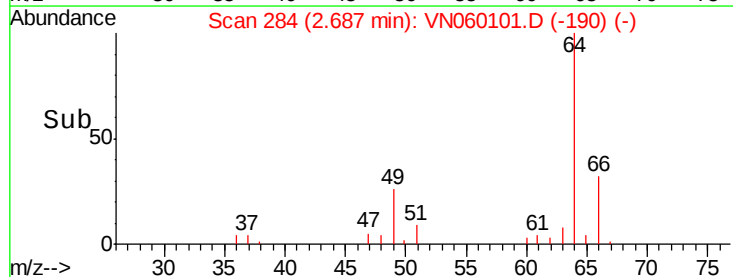
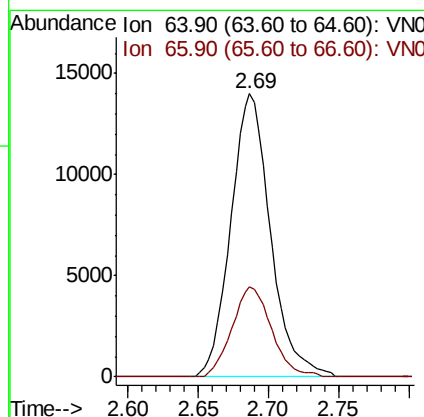
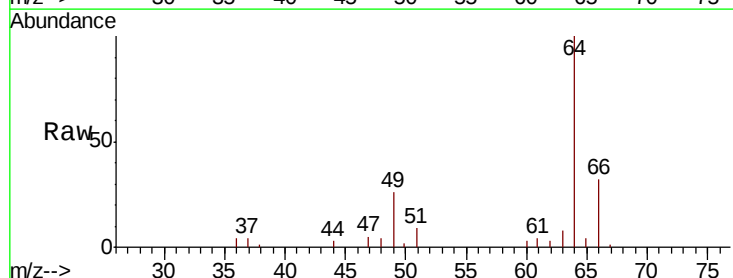
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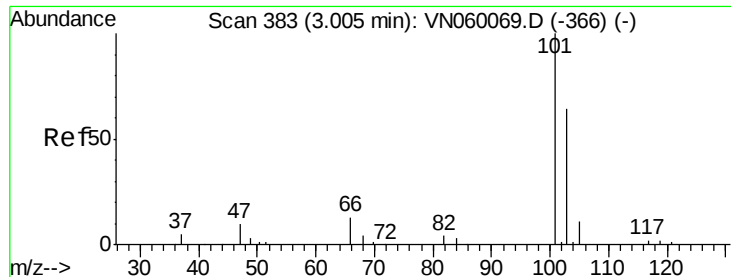
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#6
Chloroethane
Concen: 20.603 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 64 Resp: 27526
Ion Ratio Lower Upper
64 100
66 31.7 26.6 40.0





#7

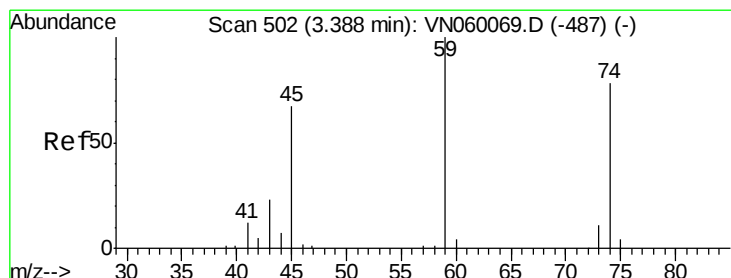
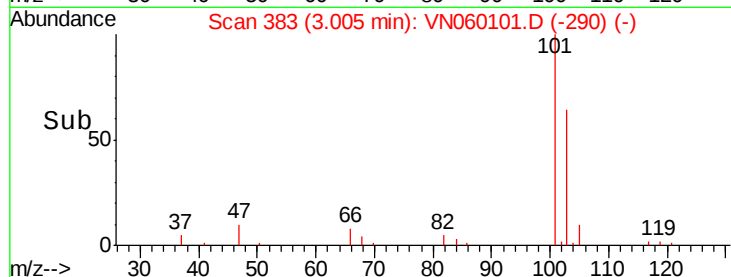
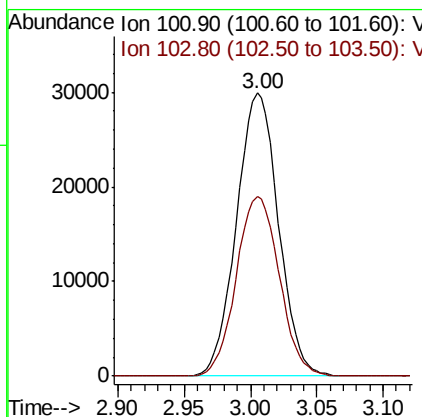
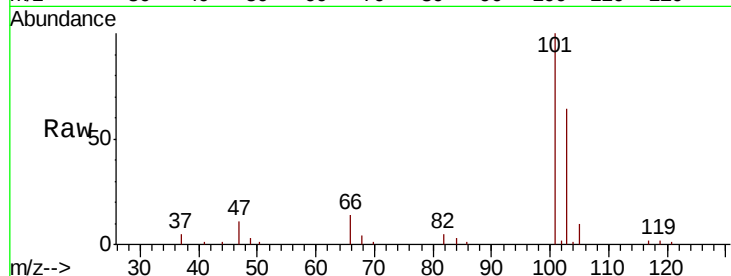
Trichlorofluoromethane
Concen: 19.313 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion:101 Resp: 65773
Ion Ratio Lower Upper
101 100
103 63.6 51.0 76.6

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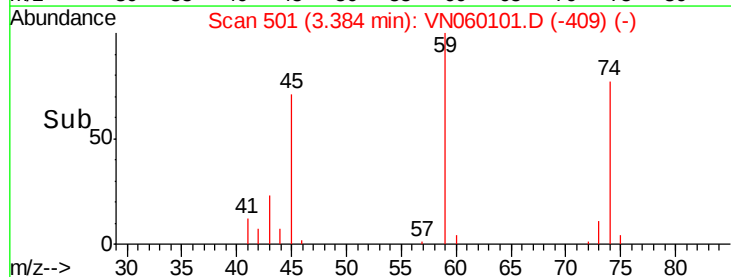
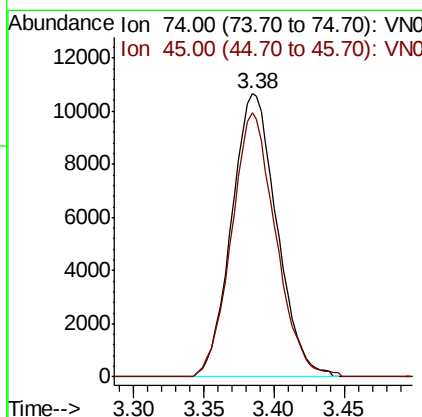
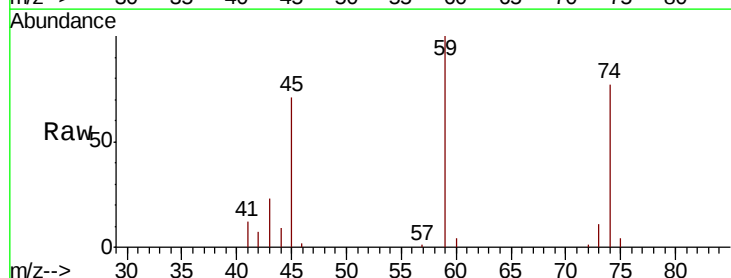
MMDadoda
2/18/2020 9:30:14 AM

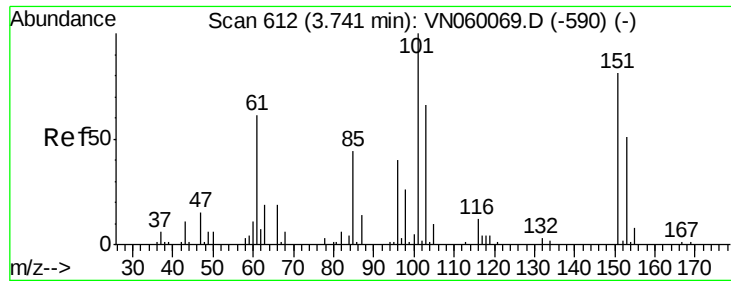


#8

Diethyl Ether
Concen: 21.054 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 74 Resp: 23868
Ion Ratio Lower Upper
74 100
45 91.4 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.844 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

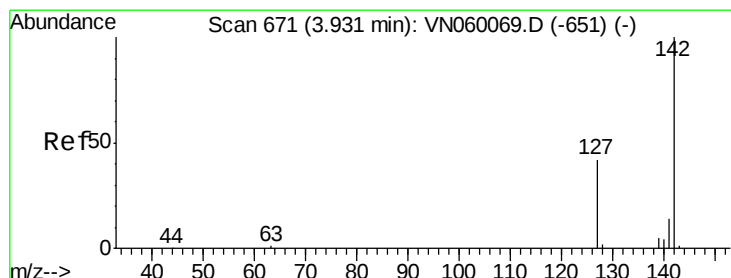
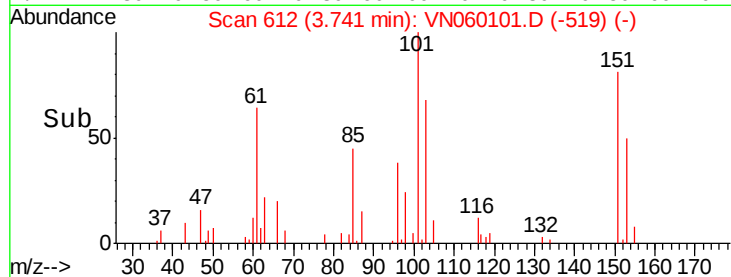
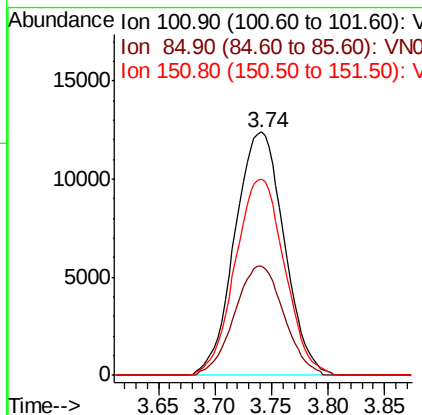
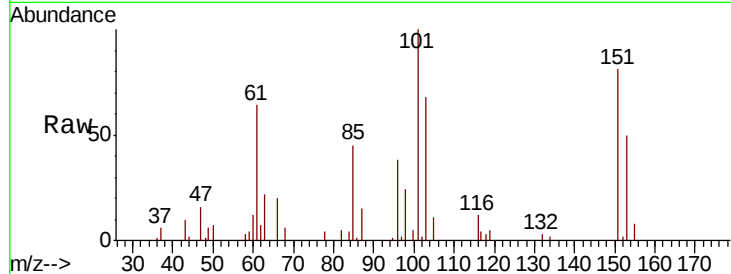
ClientSampleId :

VN0214WBS01

Tot Ion:	101	Resp:	37520
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.1	52.7
151	81.0	65.8	98.6

Manual Integrations
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2/18/2020 9:30:14 AM



#10

Methyl Iodide

Concen: 20.424 ug/l

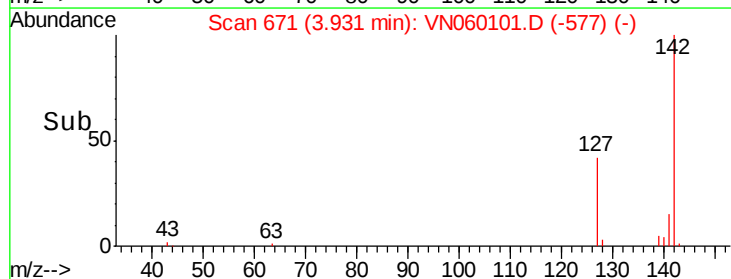
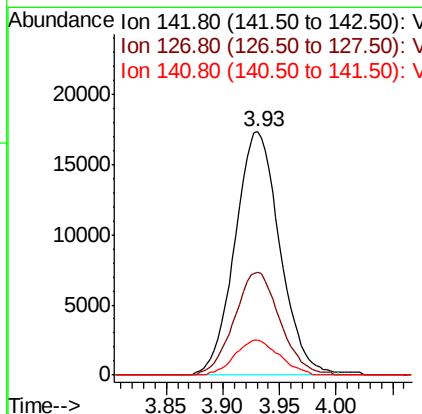
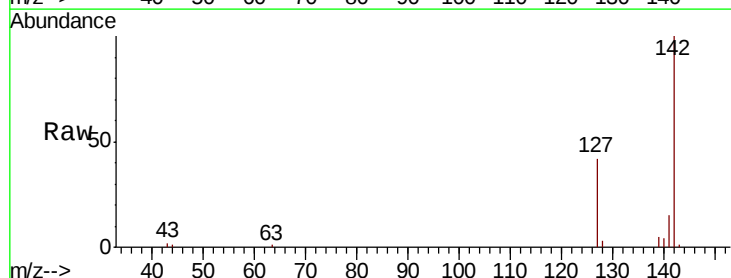
RT: 3.93 min Scan# 671

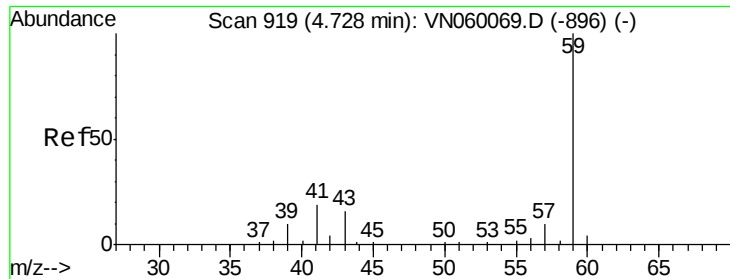
Delta R.T. 0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Tgt Ion:	142	Resp:	47960
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.6	50.4
141	14.1	11.4	17.2





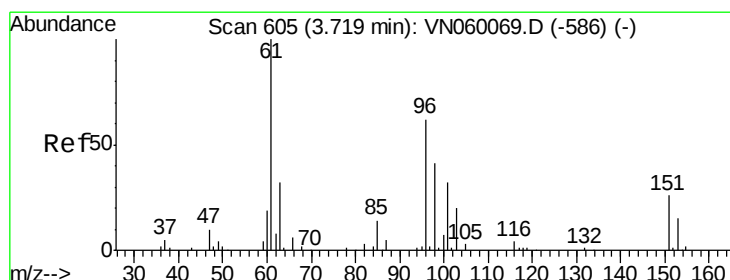
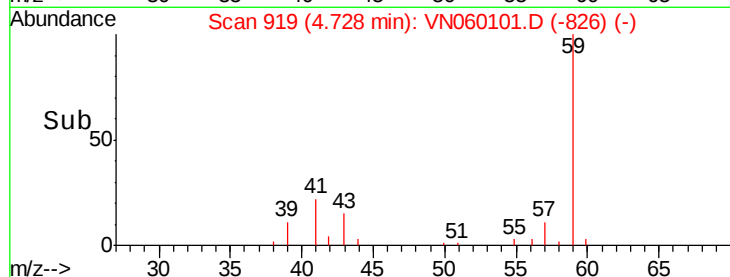
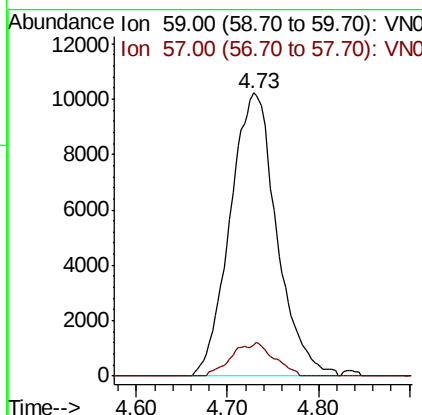
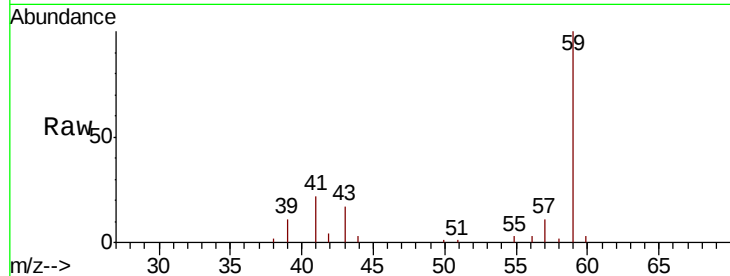
#11
Tert butyl alcohol
Concen: 102.707 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	36435		
57	4.5	8.2	12.4	

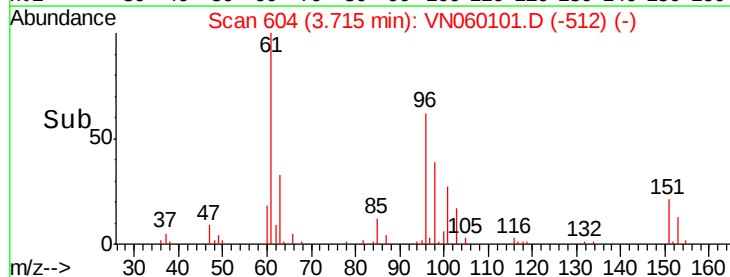
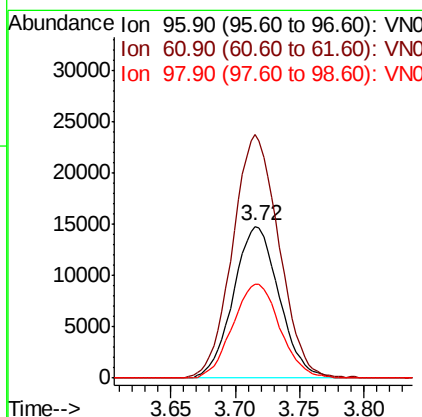
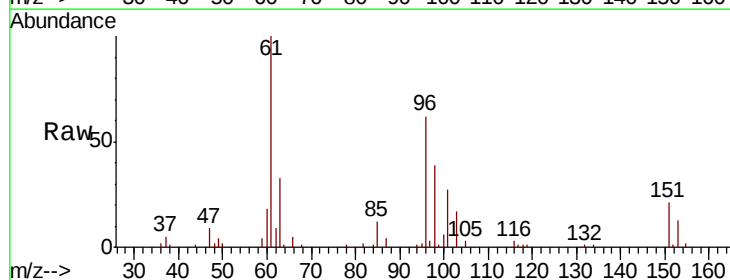
Manual Integrations
APPROVED

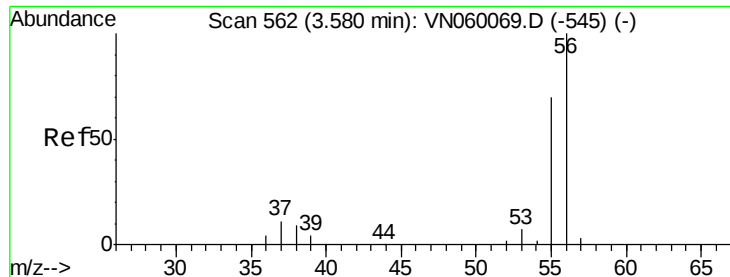
MMDadoda
2/18/2020 9:30:14 AM



#12
1,1-Dichloroethene
Concen: 19.865 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	36590		
61	159.1	128.3	192.5	
98	61.7	52.2	78.4	





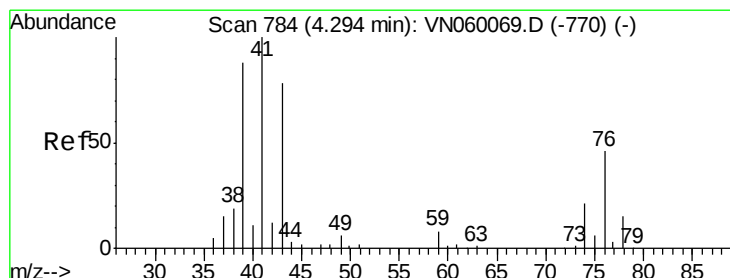
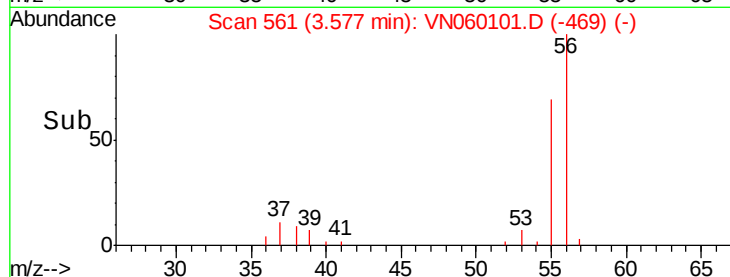
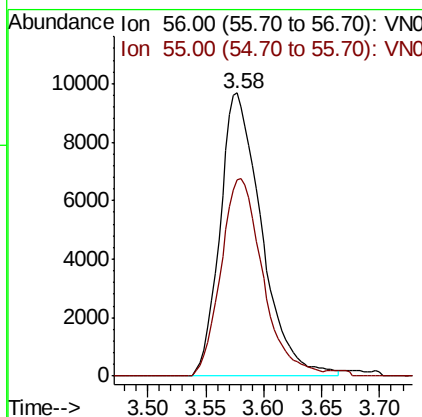
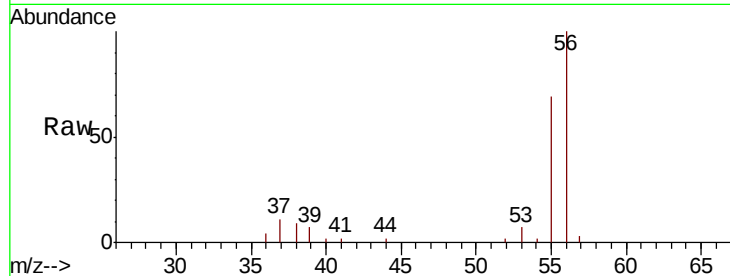
#13
Acrolein
Concen: 68.818 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	56	Resp	24131
Ion Ratio	Lower	Upper	
56	100		
55	70.3	54.8	82.2

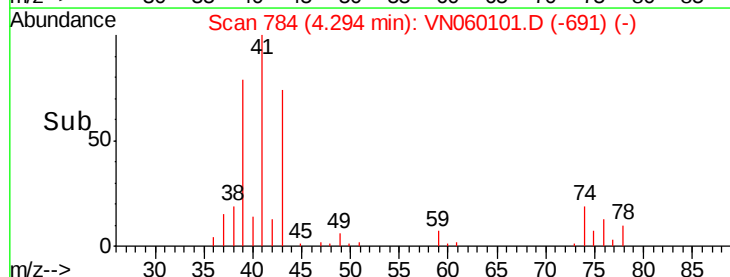
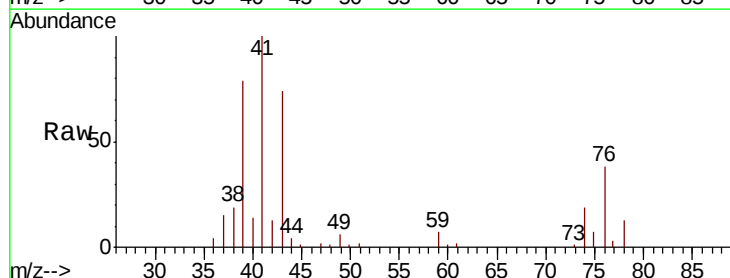
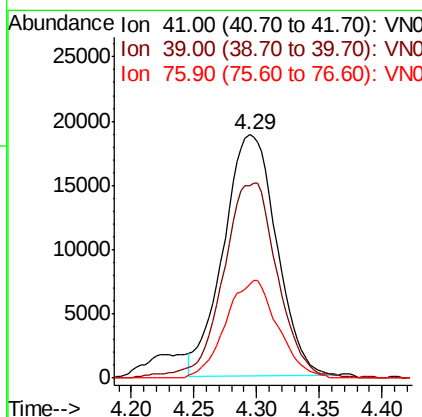
Manual Integrations
APPROVED

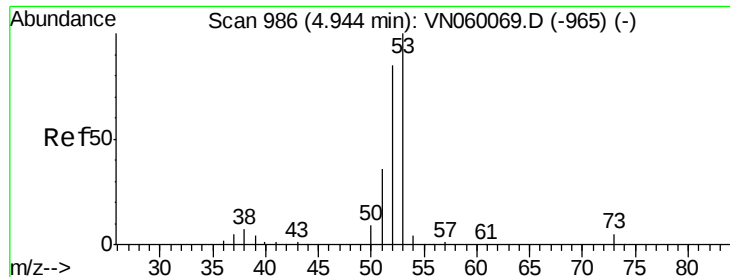
MMDadoda
2/18/2020 9:30:14 AM



#14
Allyl chloride
Concen: 20.336 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	41	Resp	55131
Ion Ratio	Lower	Upper	
41	100		
39	83.2	67.8	101.8
76	39.7	33.9	50.9





#15

Acrylonitrile

Concen: 106.670 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

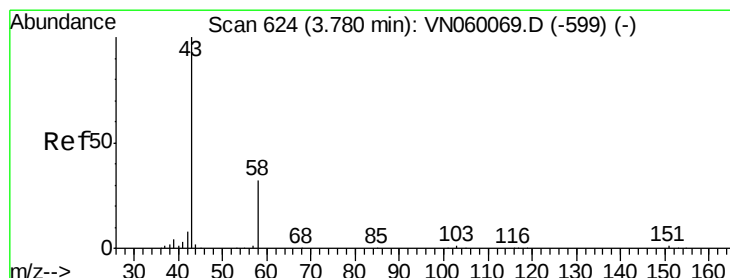
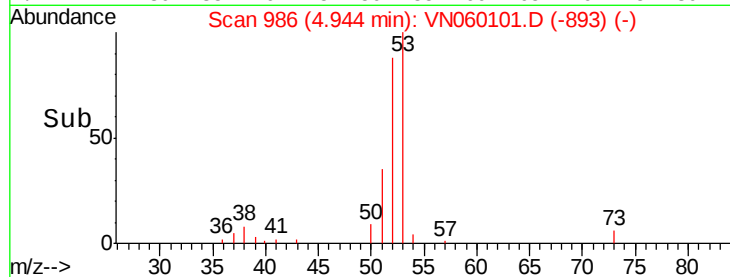
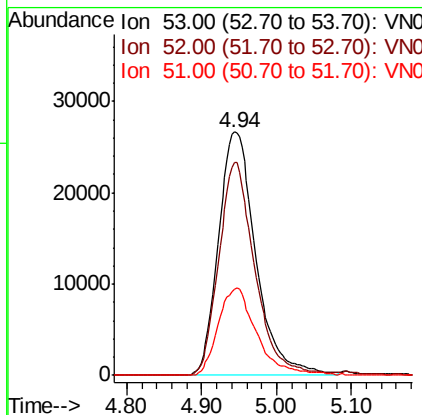
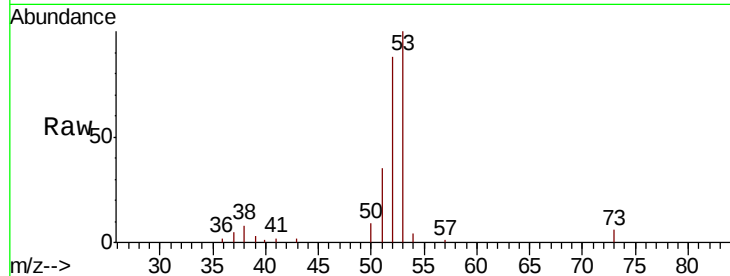
ClientSampleId :

VN0214WBS01

Tot Ion:	53	Resp:	92413
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.8	100.2
51	37.1	29.4	44.0

Manual Integrations
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2/18/2020 9:30:14 AM



#16

Acetone

Concen: 94.092 ug/l

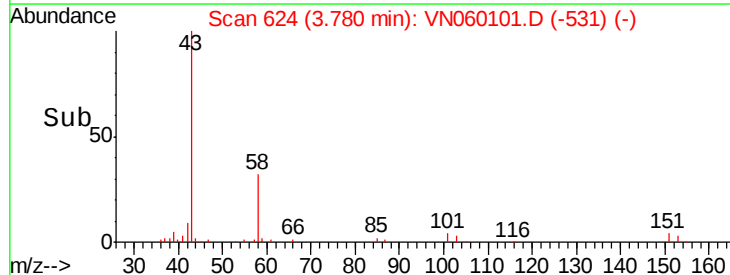
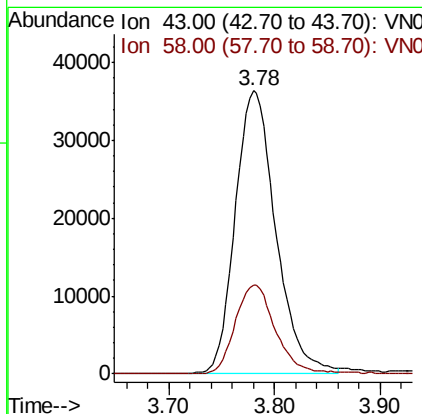
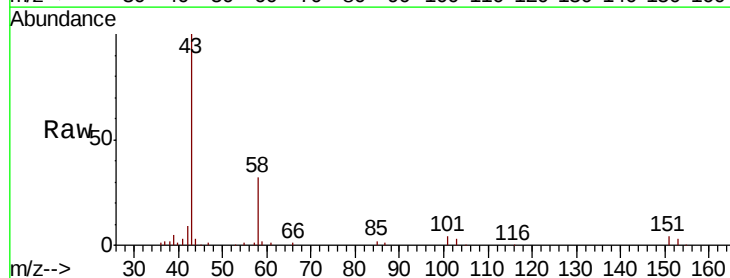
RT: 3.78 min Scan# 624

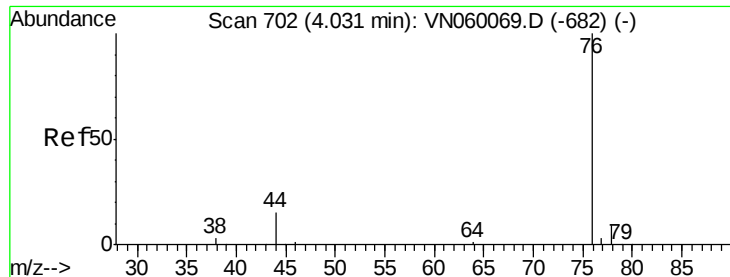
Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Tgt Ion:	43	Resp:	97295
Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.2	37.8





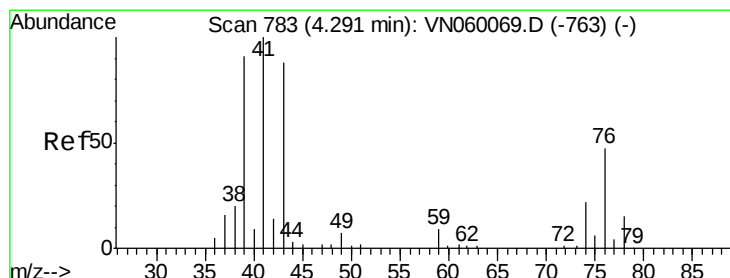
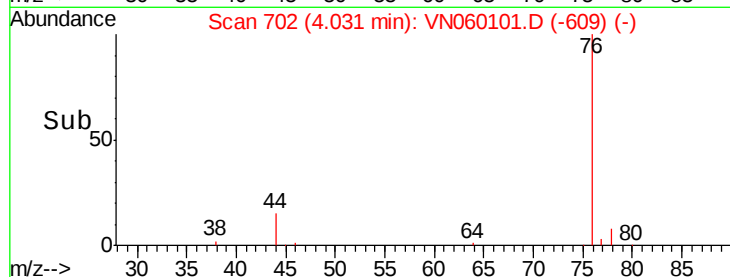
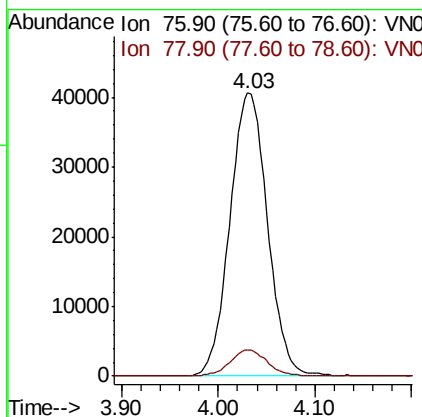
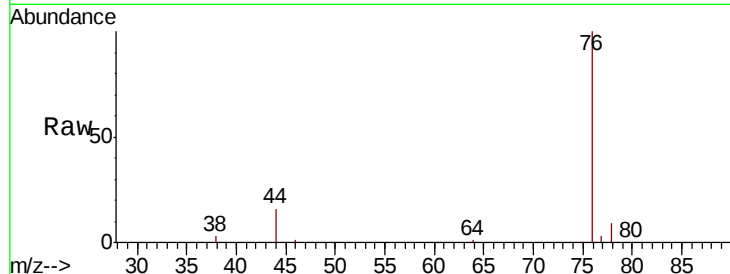
#17
Carbon Disulfide
Concen: 19.771 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion: 76 Resp: 109769
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

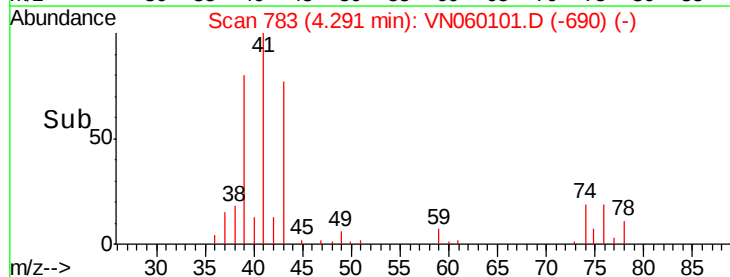
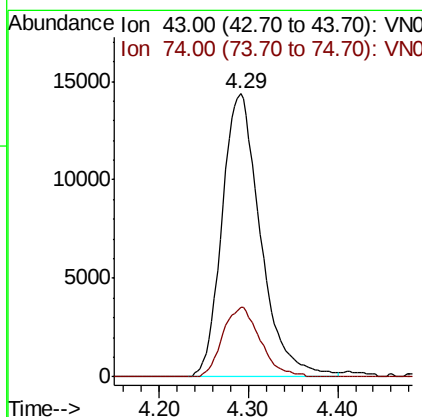
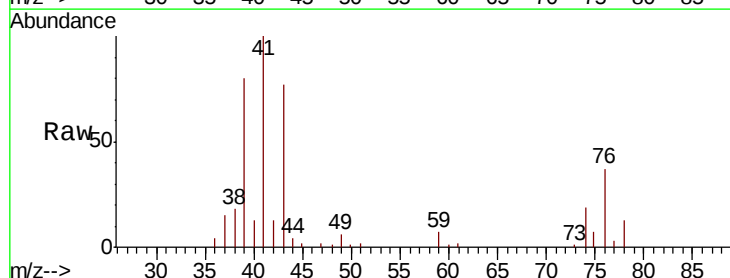
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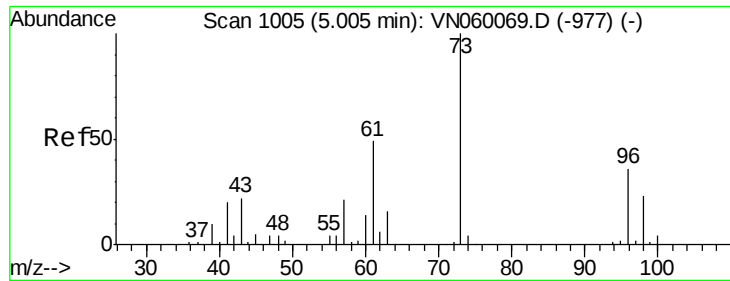
MMDadoda
2/18/2020 9:30:14 AM



#18
Methyl Acetate
Concen: 22.152 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 43 Resp: 43029
Ion Ratio Lower Upper
43 100
74 23.9 20.3 30.5





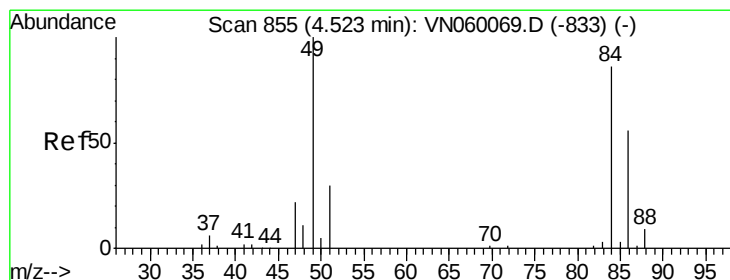
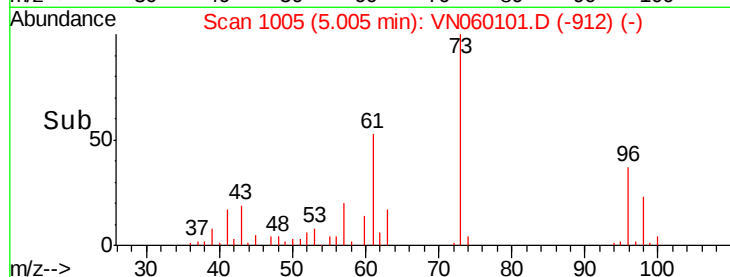
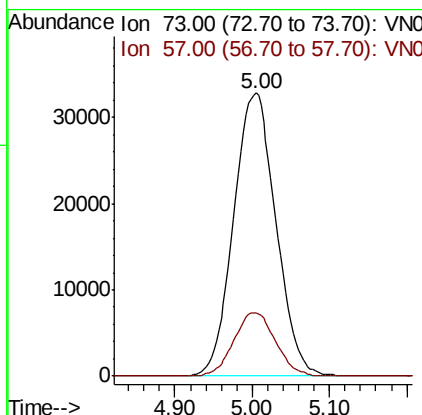
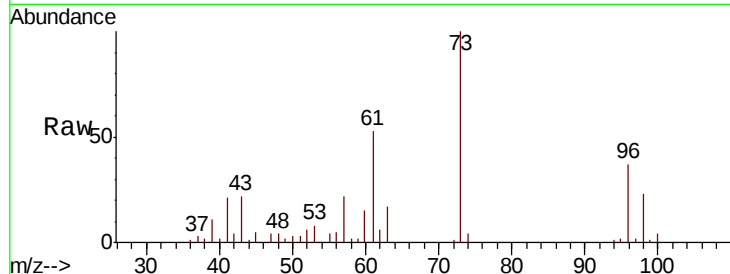
#19
Methvl tert-butvl Ether
Concen: 20.113 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion: 73 Resp: 124585
Ion Ratio Lower Upper
73 100
57 22.3 17.2 25.8

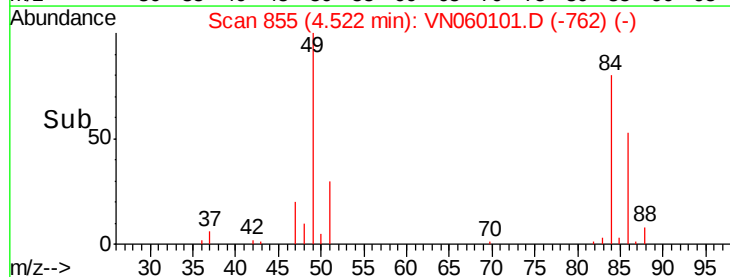
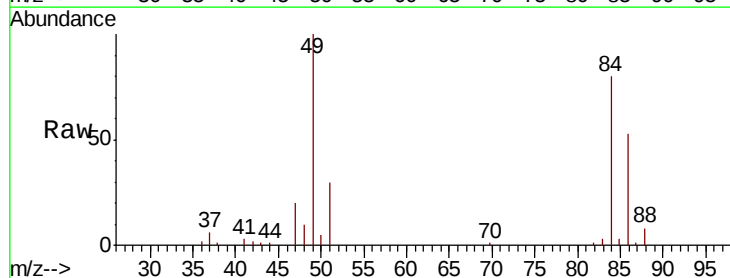
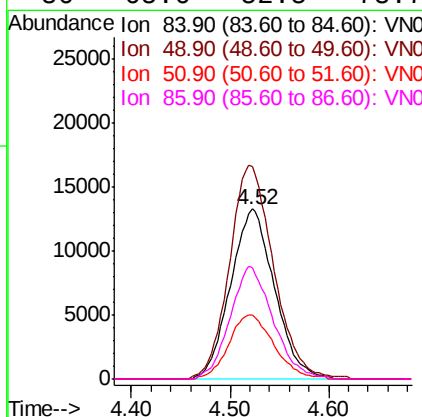
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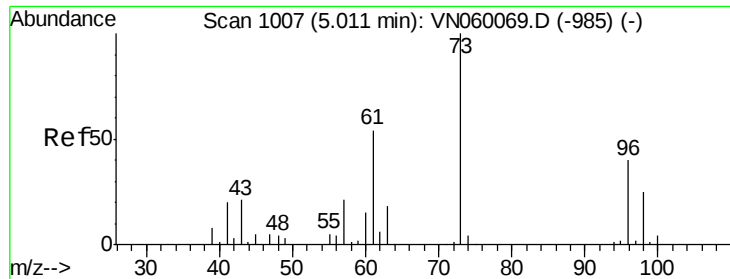
MMDadoda
2/18/2020 9:30:14 AM



#20
Methylene Chloride
Concen: 19.910 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 84 Resp: 41074
Ion Ratio Lower Upper
84 100
49 124.7 93.4 140.0
51 37.4 28.4 42.6
86 65.6 52.5 78.7





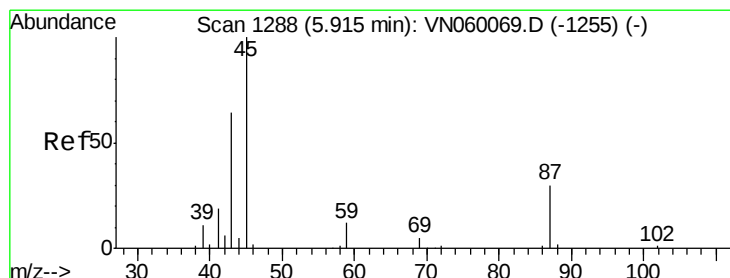
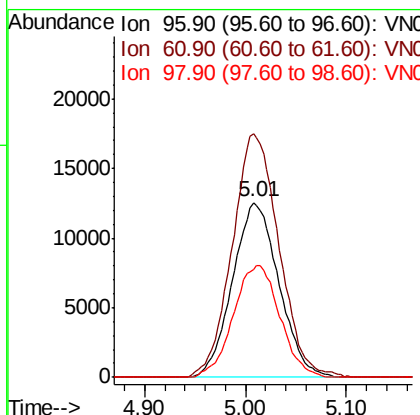
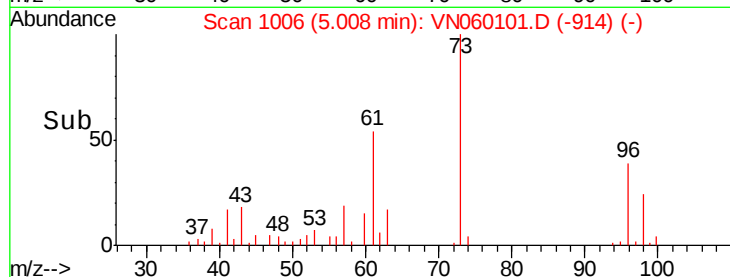
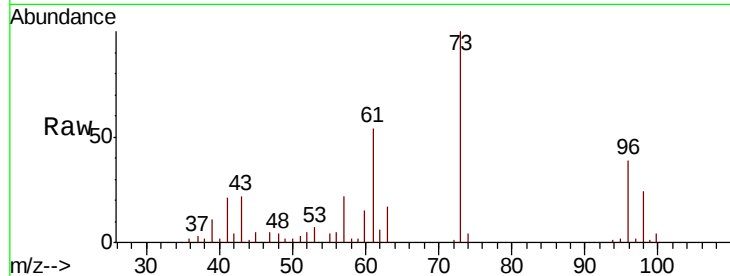
#21
trans-1,2-Dichloroethene
Concen: 19.935 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	109.3	163.9
98	62.1	51.0	76.6

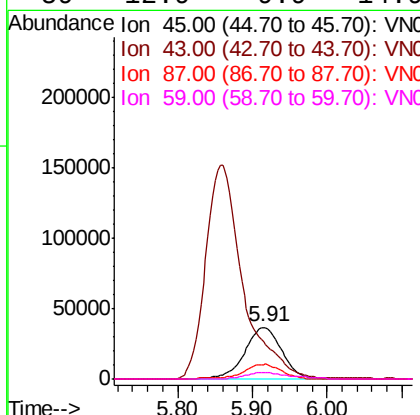
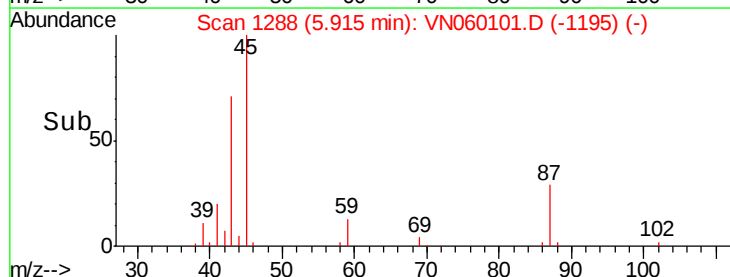
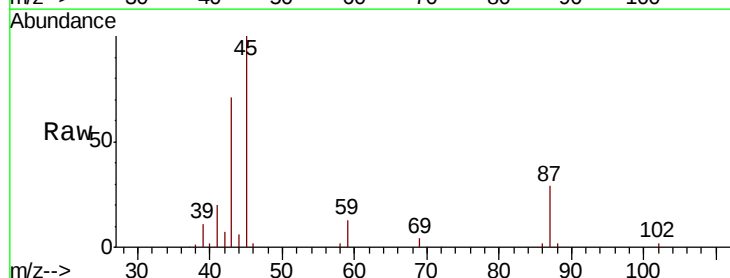
Manual Integrations
APPROVED

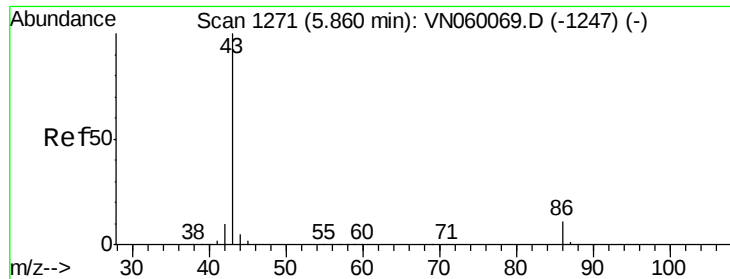
MMDadoda
2/18/2020 9:30:14 AM



#22
Diisopropyl ether
Concen: 21.158 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.4	55.9	83.9
87	28.6	24.5	36.7
59	12.9	9.9	14.9





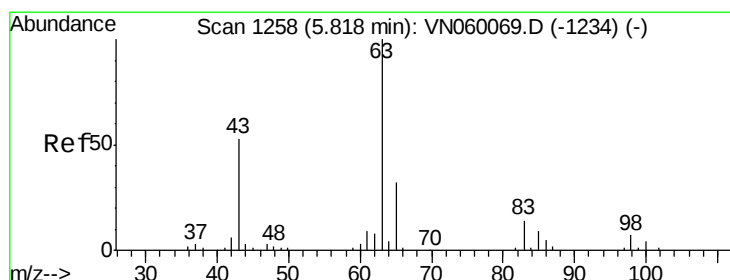
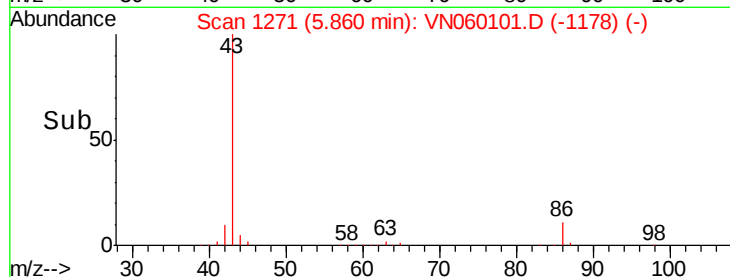
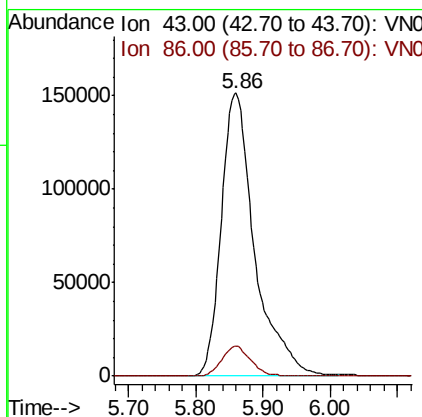
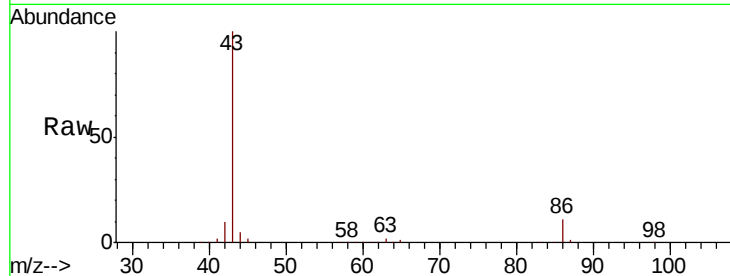
#23
 Vinyl Acetate
 Concen: 105.038 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.9	13.3

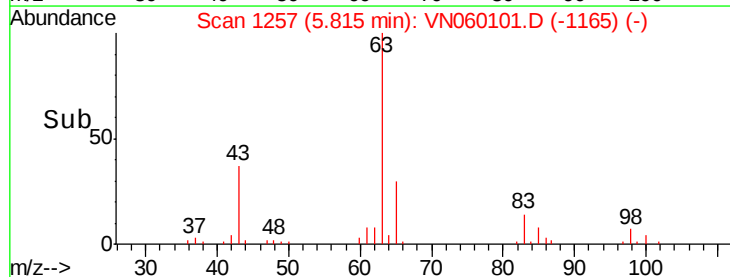
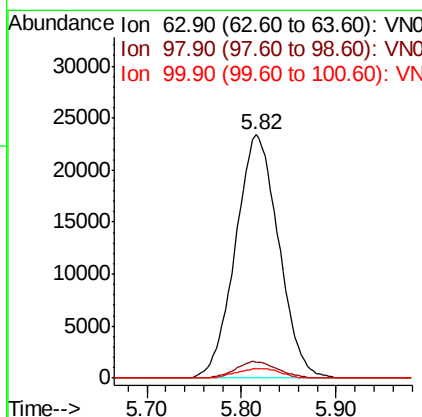
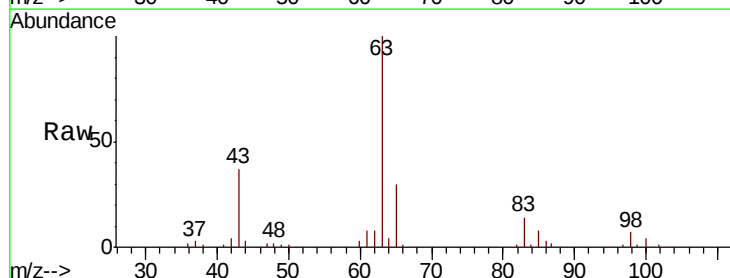
Manual Integrations
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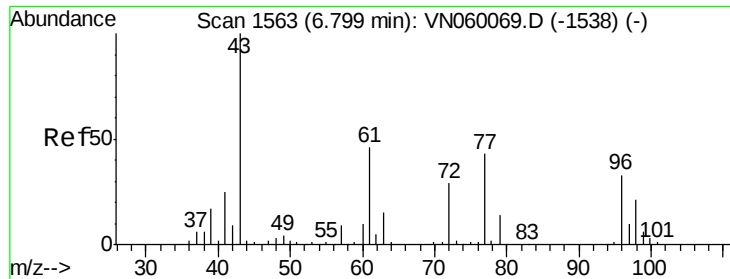
MMDadoda
 2/18/2020 9:30:14 AM



#24
 1,1-Dichloroethane
 Concen: 20.607 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.5
100	3.7	2.2	6.6





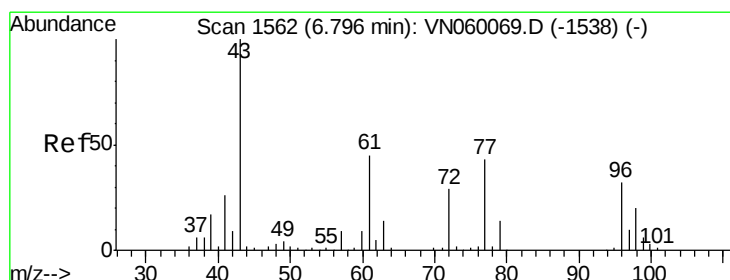
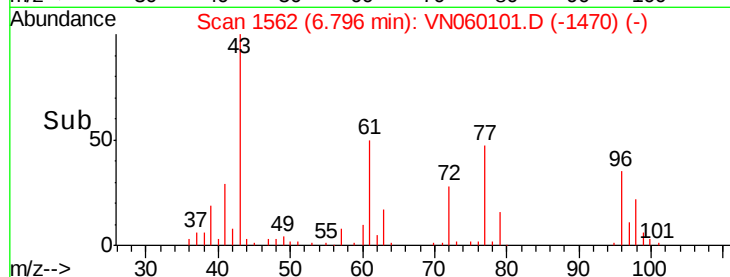
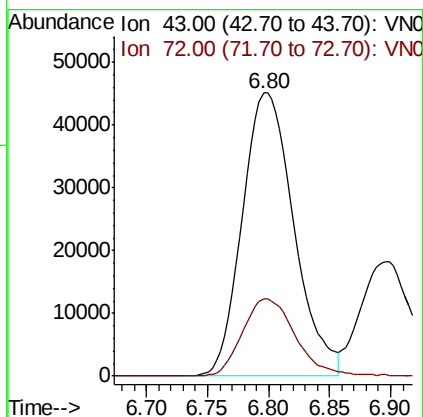
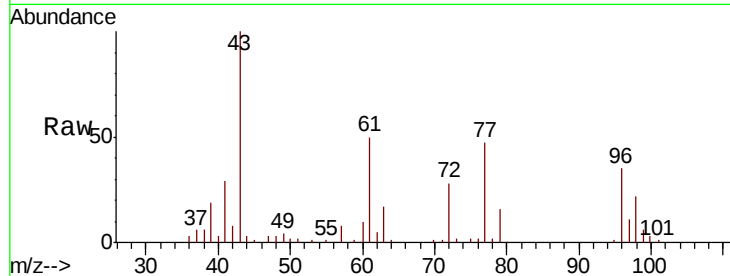
#25
2-Butanone
Concen: 102.171 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VN0214WBS01

Tot Ion: 43 Resp: 132873
Ion Ratio Lower Upper
43 100
72 27.5 23.3 34.9

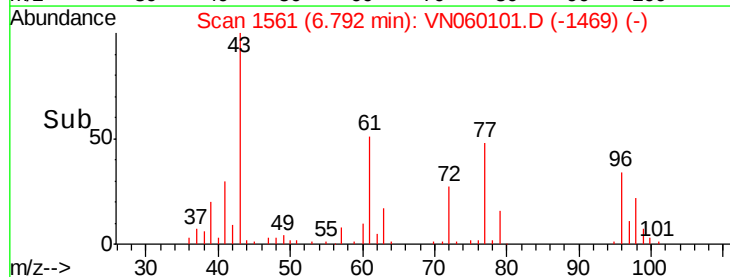
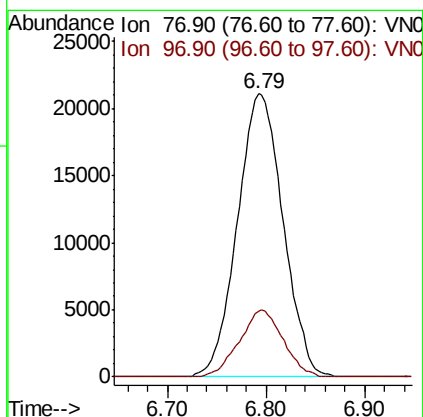
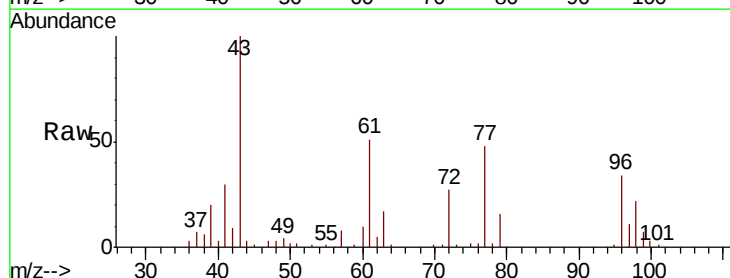
Manual Integrations
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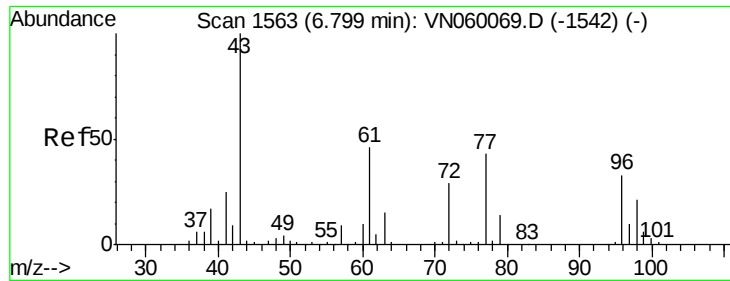
MMDadoda
2/18/2020 9:30:14 AM



#26
2,2-Dichloropropane
Concen: 19.774 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 77 Resp: 67600
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.840 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

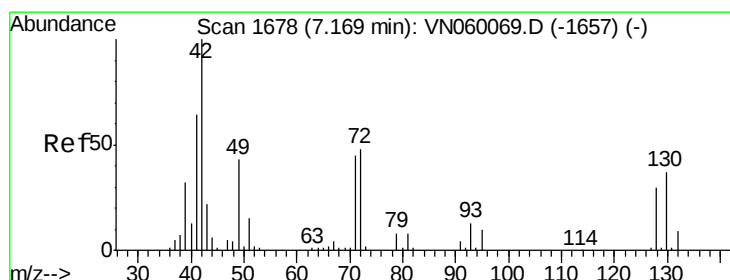
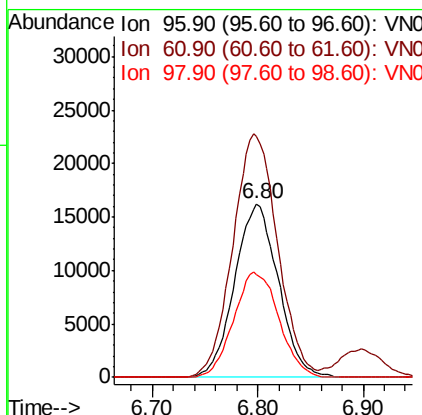
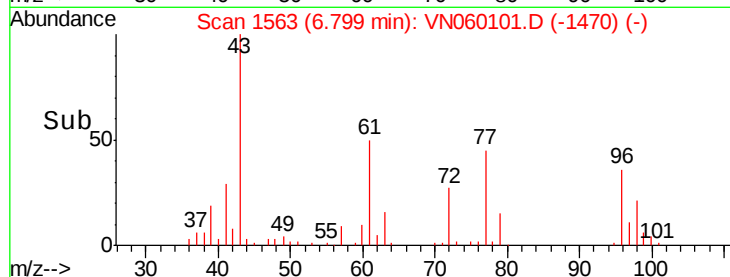
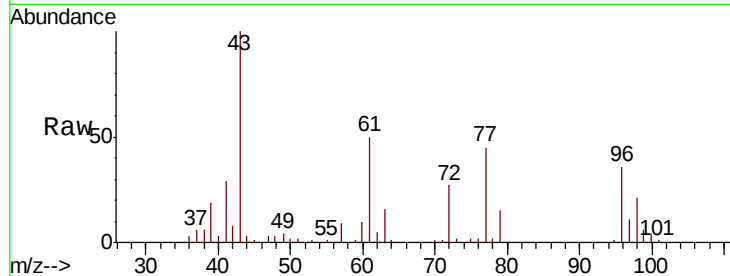
ClientSampleId :

VN0214WBS01

Tot Ion:	96	Resp:	46620
Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	285.8
98	62.7	0.0	129.6

Manual Integrations
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2/18/2020 9:30:14 AM



#28

Bromochloromethane

Concen: 21.360 ug/l

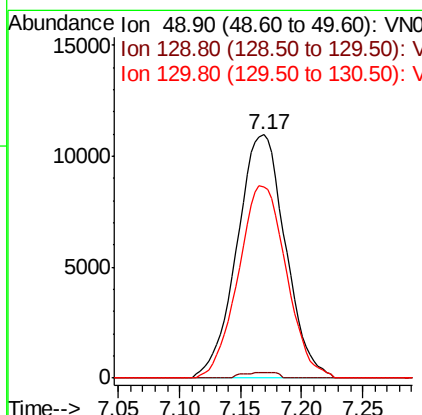
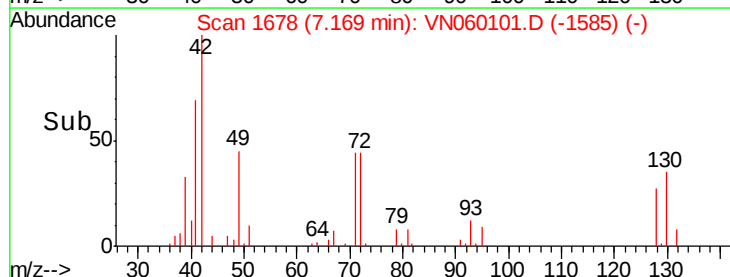
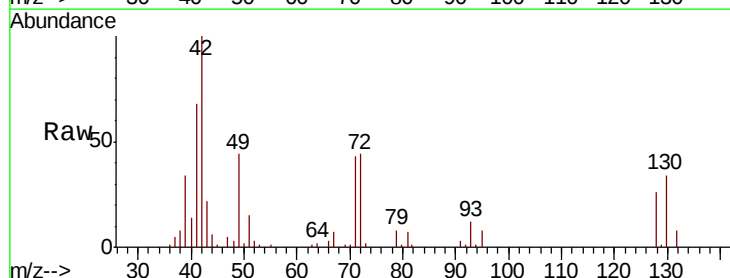
RT: 7.17 min Scan# 1678

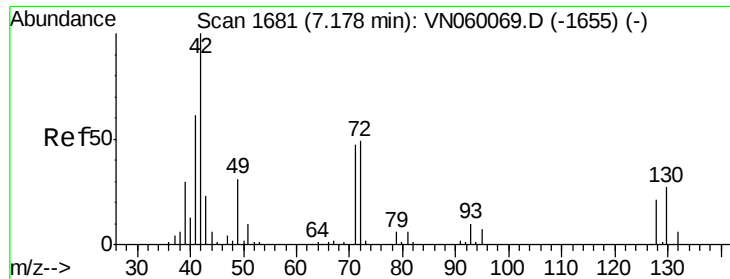
Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Tgt Ion:	49	Resp:	30224
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.2
130	78.2	66.8	100.2





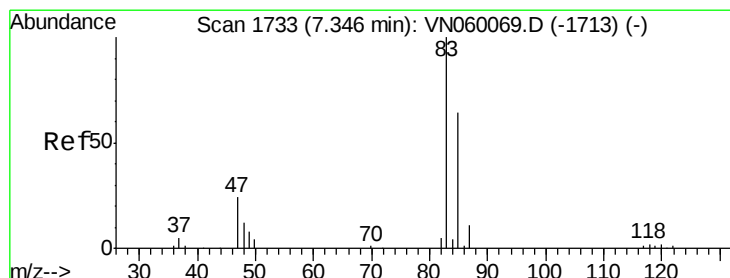
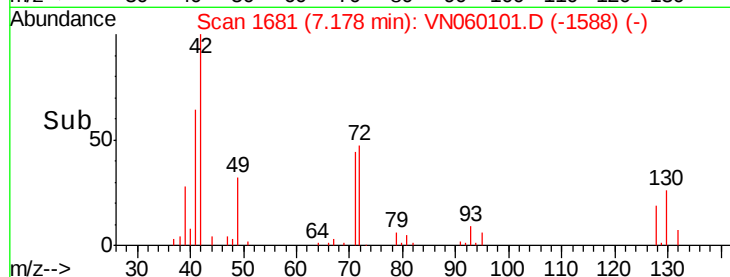
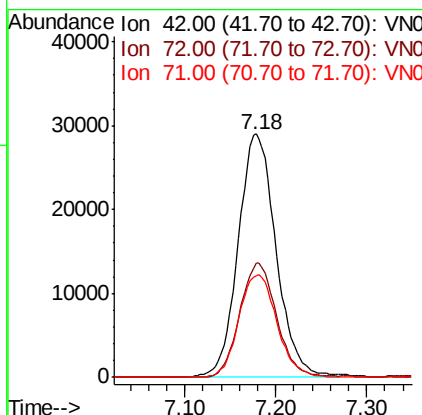
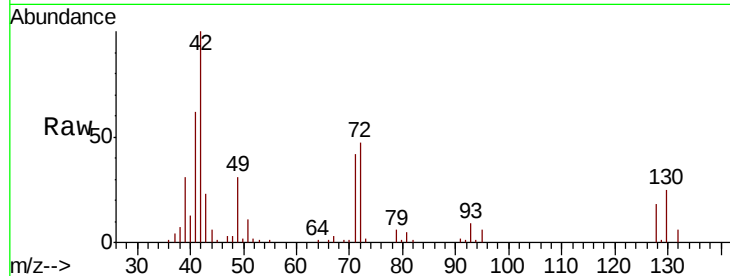
#29
Tetrahydrofuran
Concen: 105.313 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	38.2	57.4
71	42.4	36.6	54.8

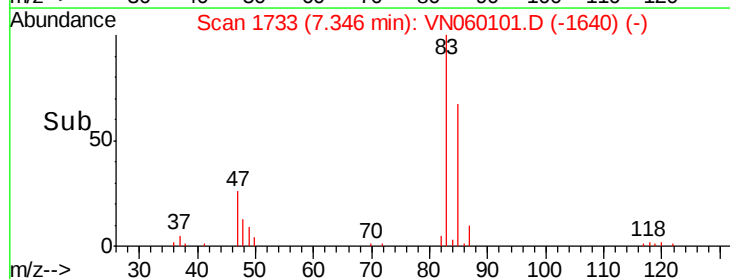
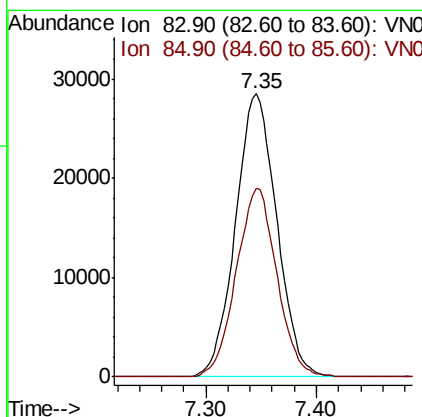
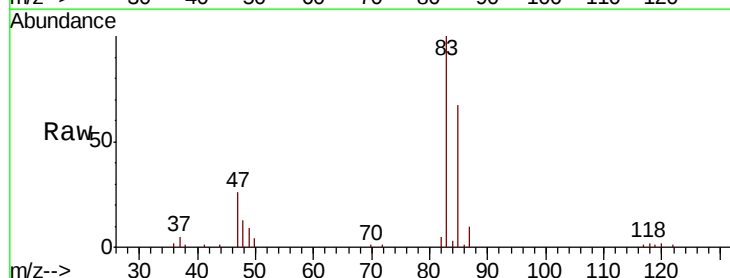
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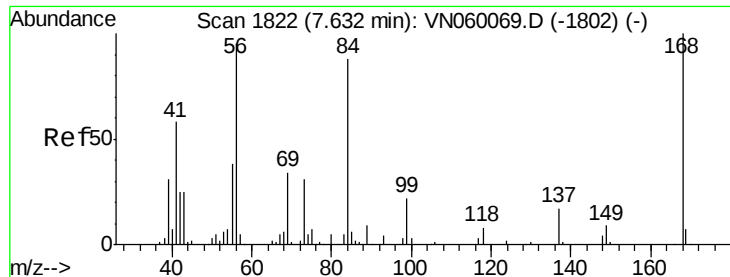
MMDadoda
2/18/2020 9:30:14 AM



#30
Chloroform
Concen: 19.624 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.4	77.0





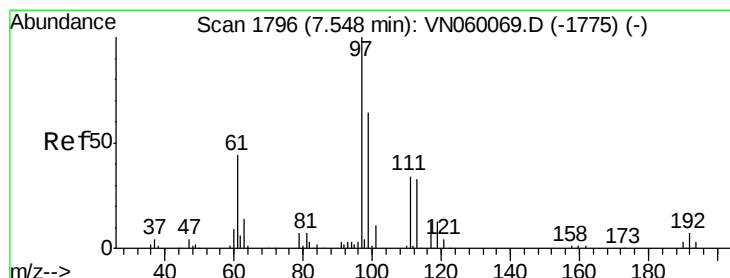
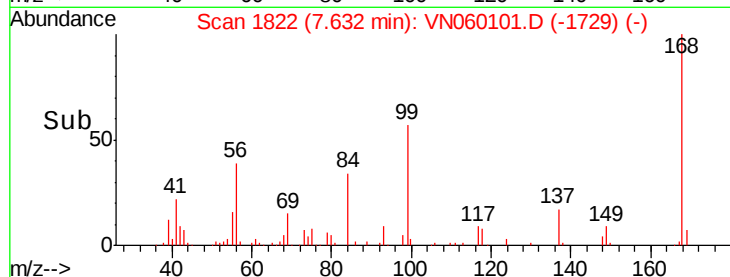
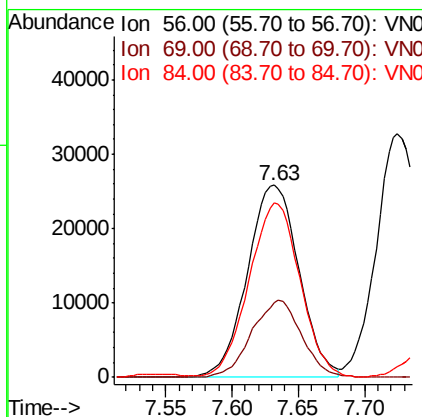
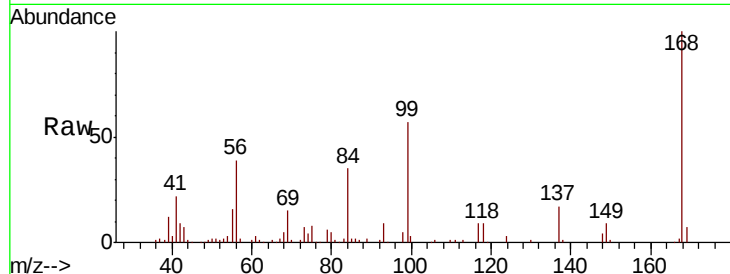
#31
Cyclohexane
Concen: 20.992 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.7	28.3	42.5
84	90.0	72.6	108.8

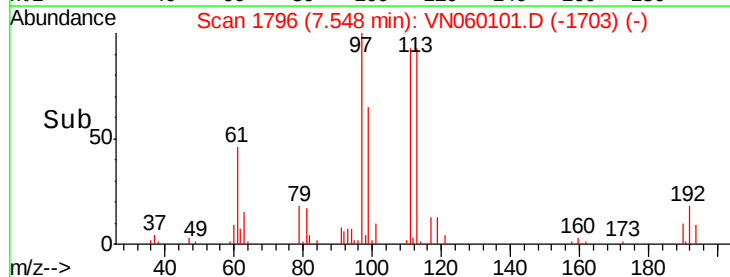
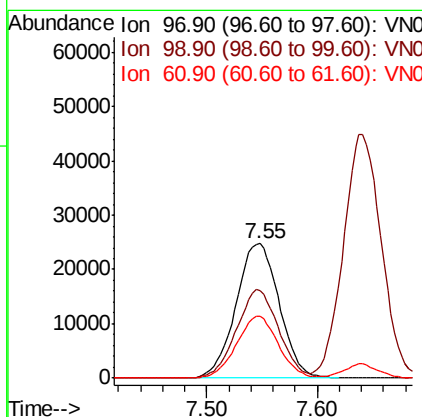
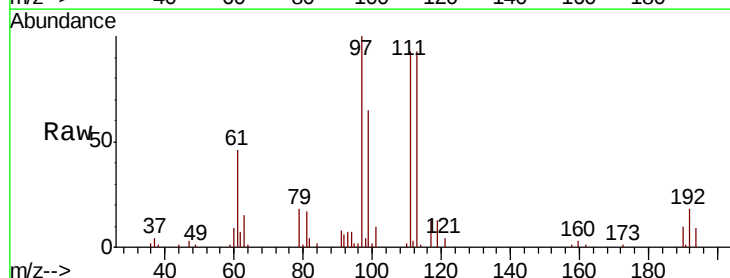
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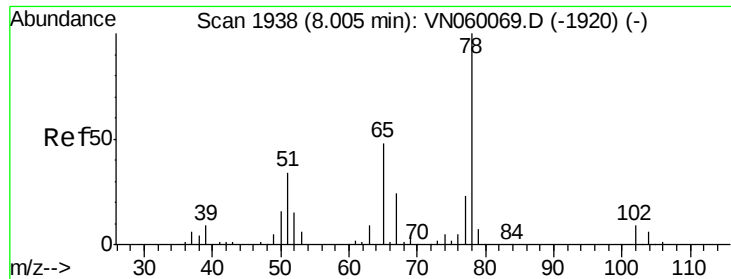
MMDadoda
2/18/2020 9:30:14 AM



#32
1,1,1-Trichloroethane
Concen: 19.542 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.0
61	44.6	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 51.754 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 65 Resp: 122689

Ion Ratio Lower Upper

65 100

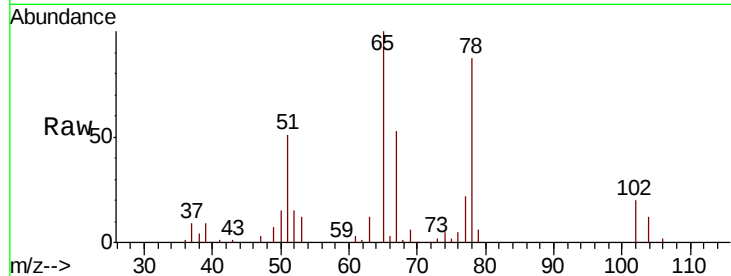
67 53.1 0.0 104.0

Manual Integrations

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MMDadoda

2/18/2020 9:30:14 AM



Abundance Ion 64.90 (64.60 to 65.60): VN060101.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060101.D (-1845) (-)

8.00

60000

50000

40000

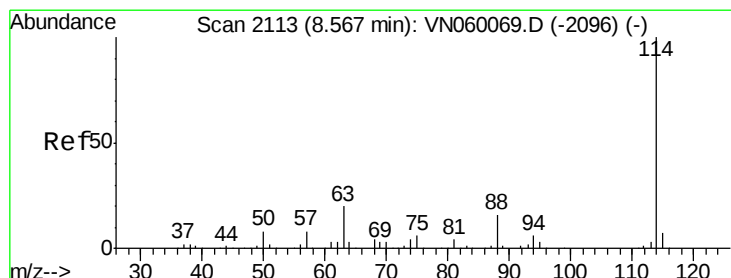
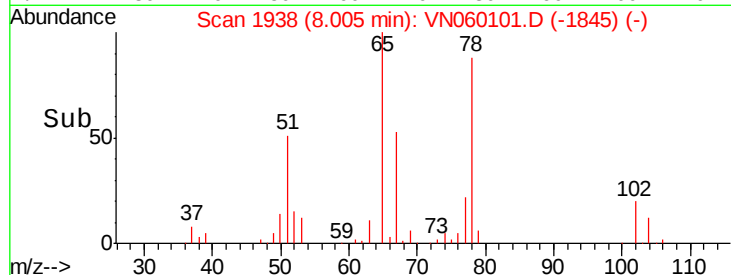
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

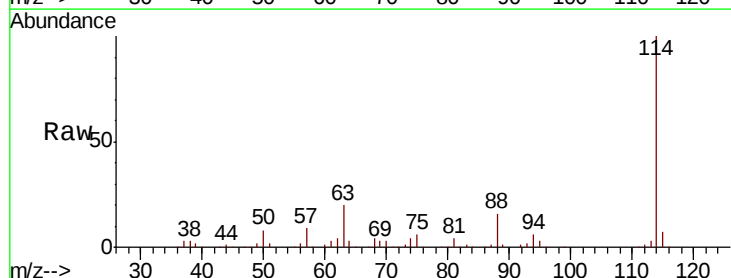
Tgt Ion: 114 Resp: 312549

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 15.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060101.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060101.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060101.D (-2020) (-)

200000

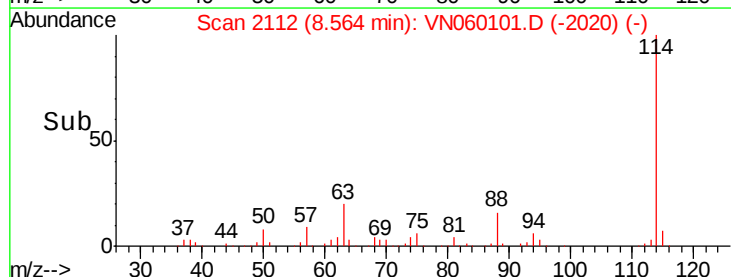
150000

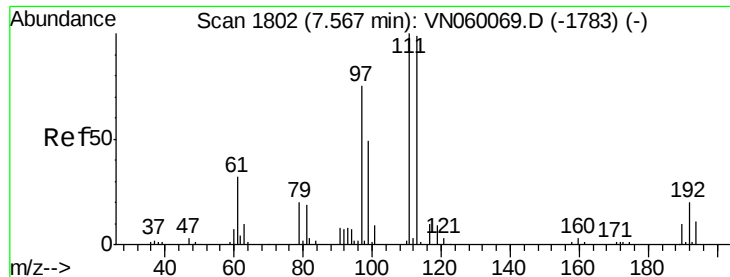
100000

50000

0

Time-->





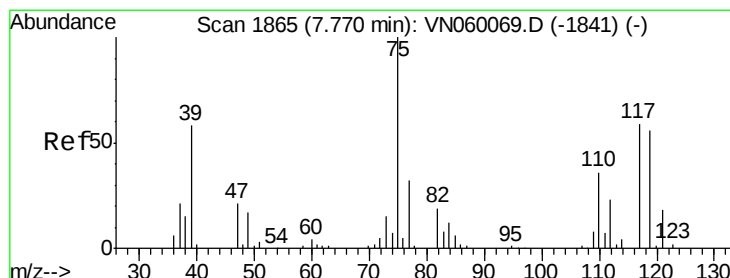
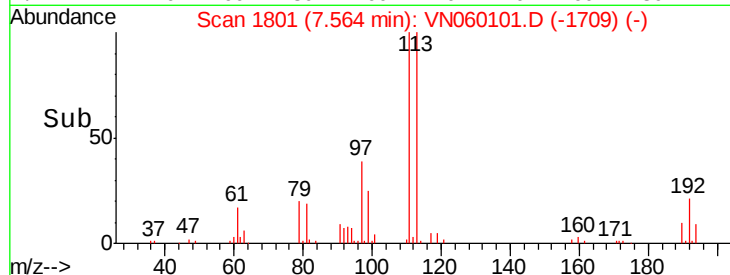
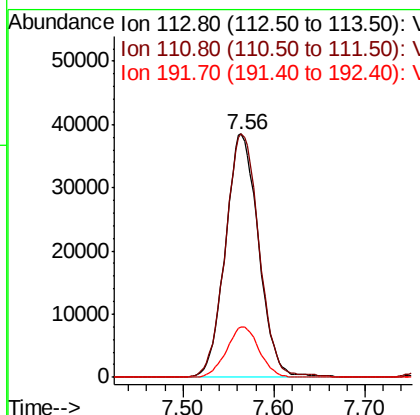
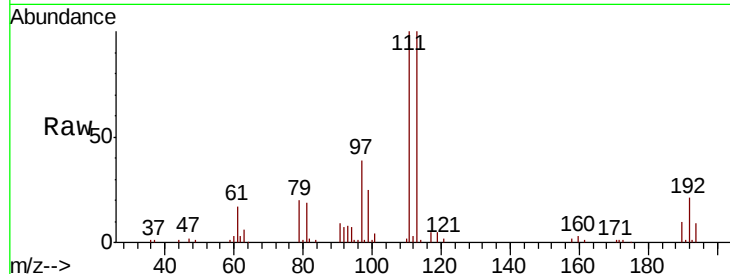
#35
 Dibromofluoromethane
 Concen: 50.781 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.4	122.2
192	20.4	16.2	24.2

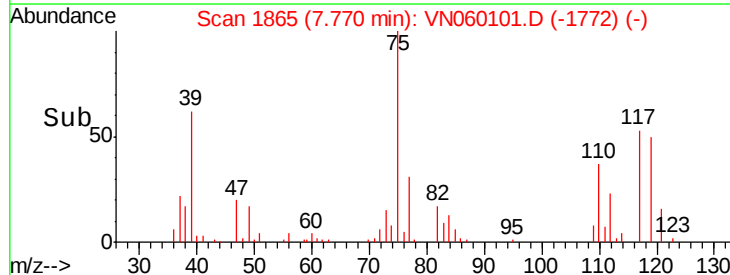
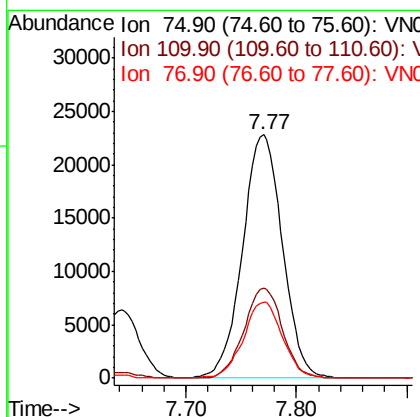
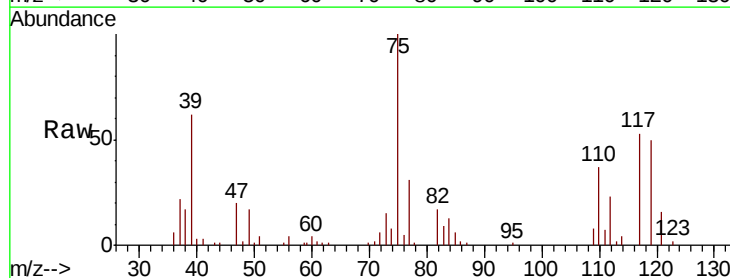
Manual Integrations
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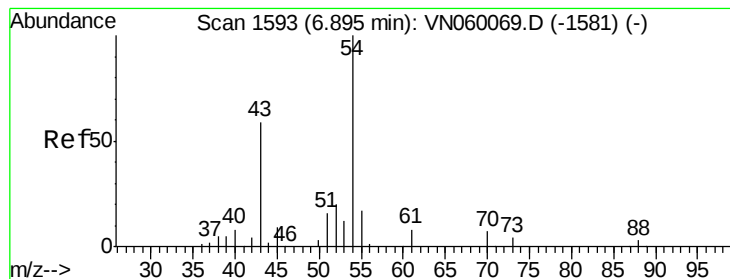
MMDadoda
 2/18/2020 9:30:14 AM



#36
 1,1-Dichloropropene
 Concen: 19.703 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.3
77	30.7	25.1	37.7





#37

Ethyl Acetate

Concen: 20.282 ug/l

RT: 6.90 min Scan# 1593

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

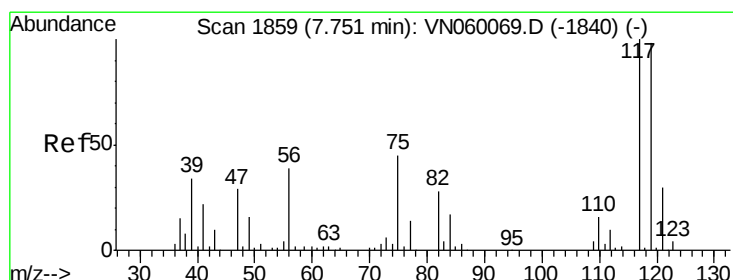
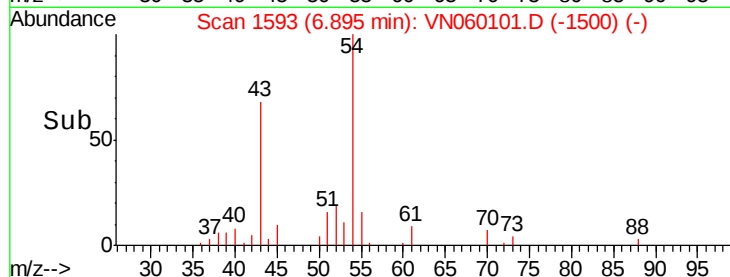
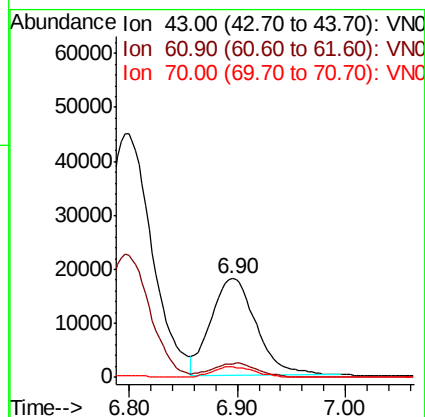
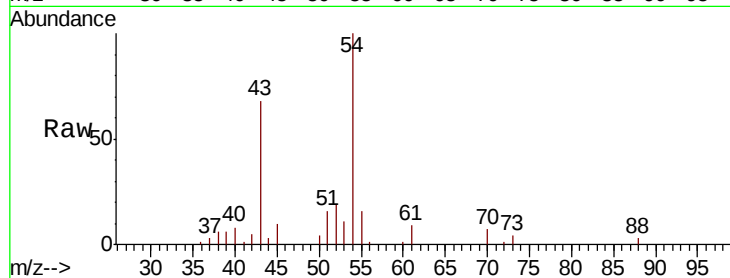
ClientSampleId :

VN0214WBS01

Tot Ion:	43	Resp:	53065
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.2
70	10.1	8.7	13.1

Manual Integrations
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MMDadoda
2/18/2020 9:30:14 AM



#38

Carbon Tetrachloride

Concen: 18.851 ug/l

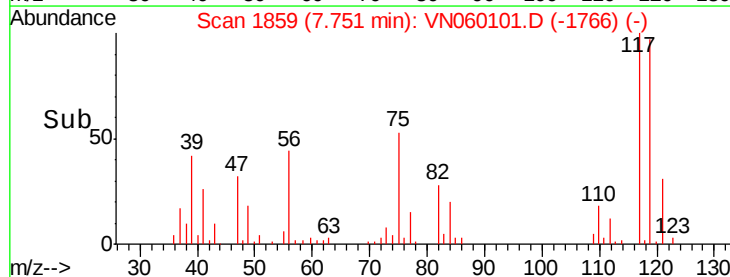
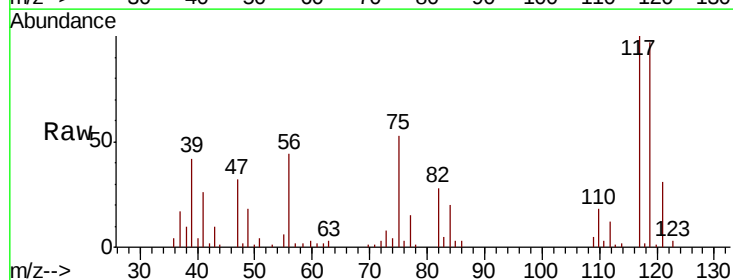
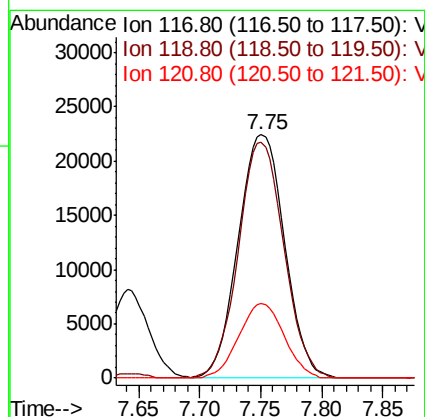
RT: 7.75 min Scan# 1859

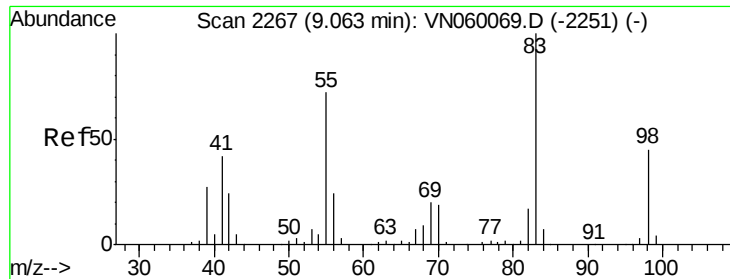
Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Tgt Ion:	117	Resp:	59267
Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.2	117.4
121	30.6	24.2	36.2





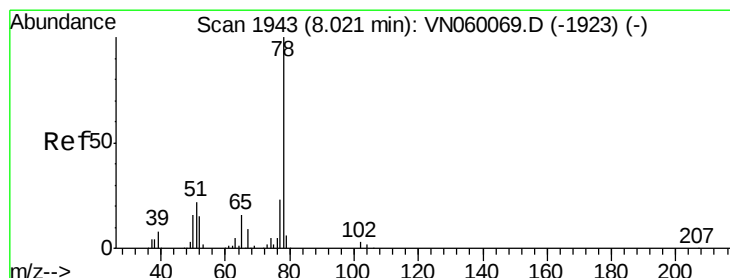
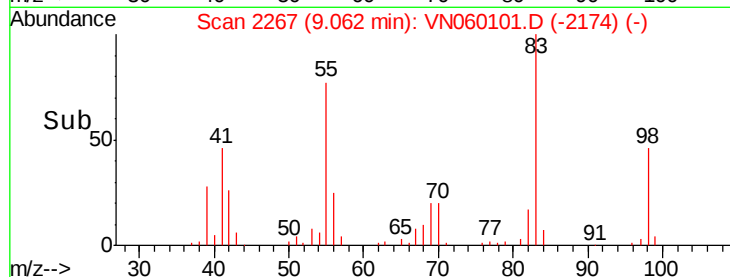
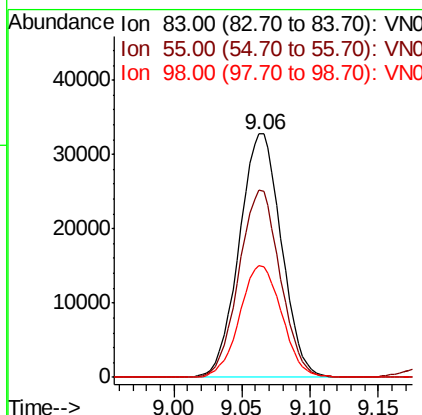
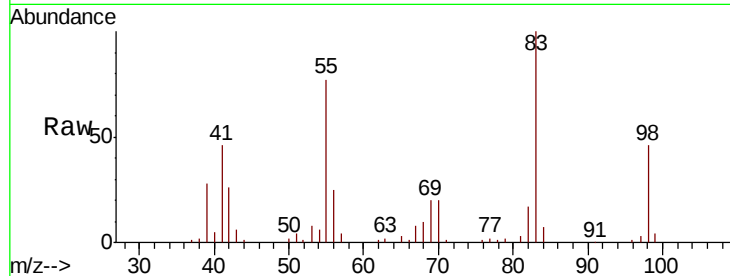
#39
Methvlcvclohexane
Concen: 19.542 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	57.8	86.8
98	45.8	36.4	54.6

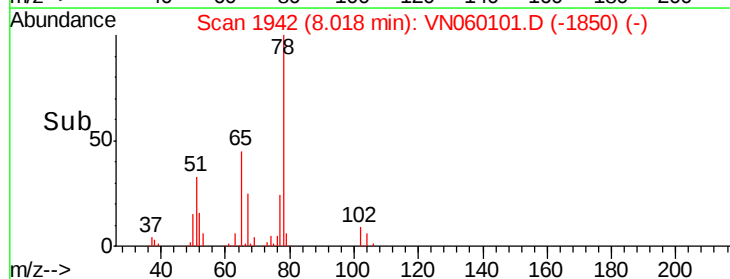
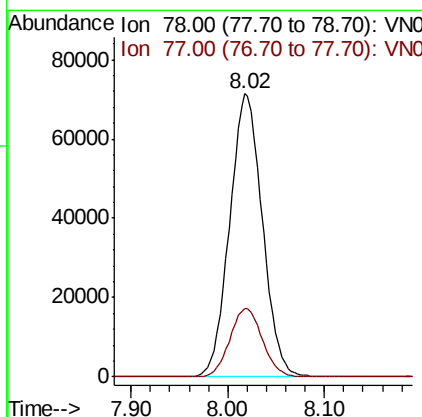
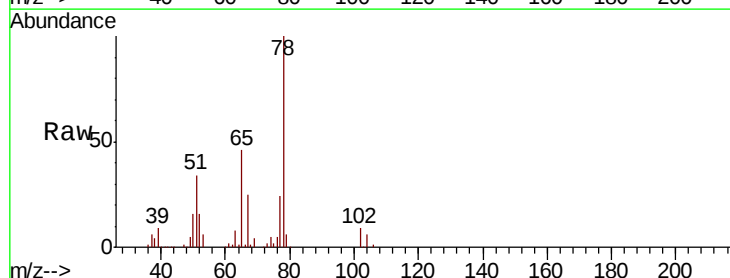
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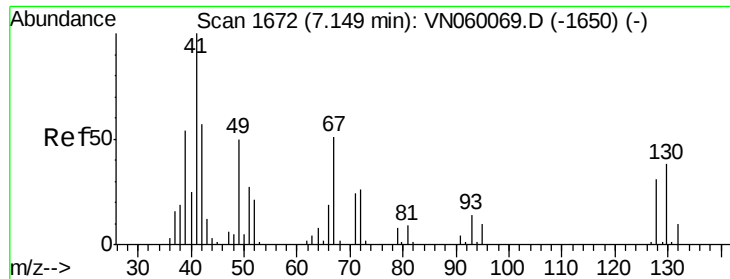
MMDadoda
2/18/2020 9:30:14 AM



#40
Benzene
Concen: 19.512 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





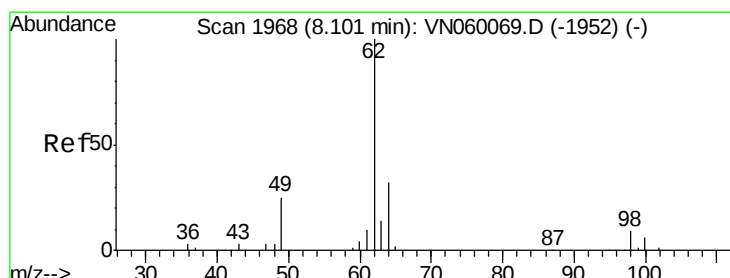
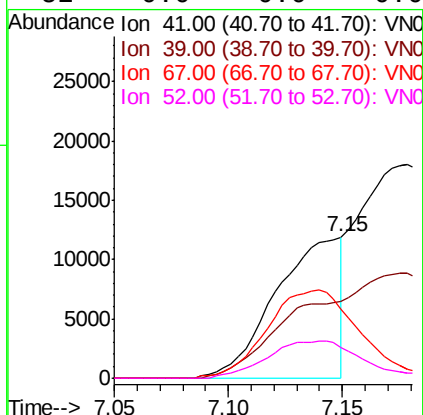
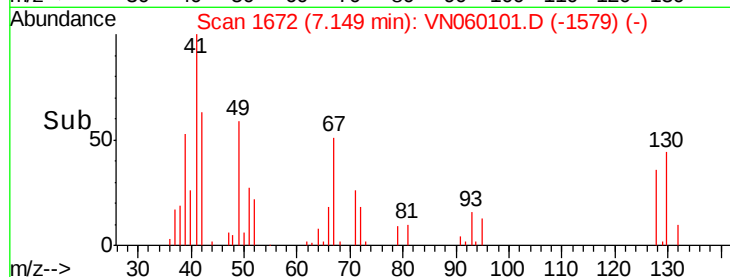
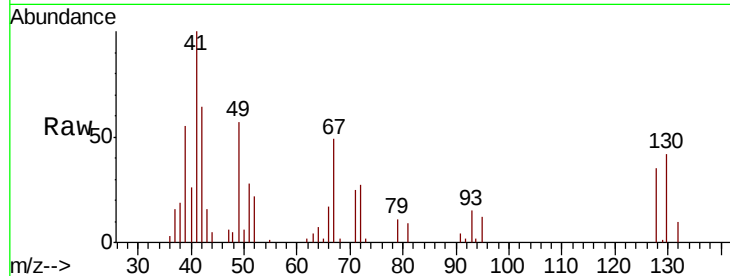
#41
Methacrylonitrile
Concen: 21.671 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	41	Resp	23778
Ion	Ratio	Lower	Upper
41	100		
39	170.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

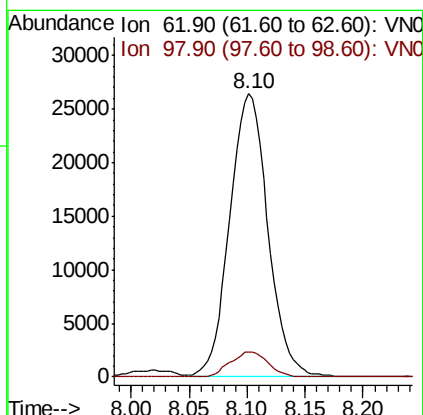
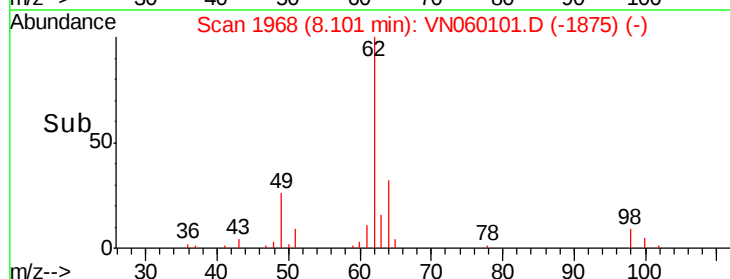
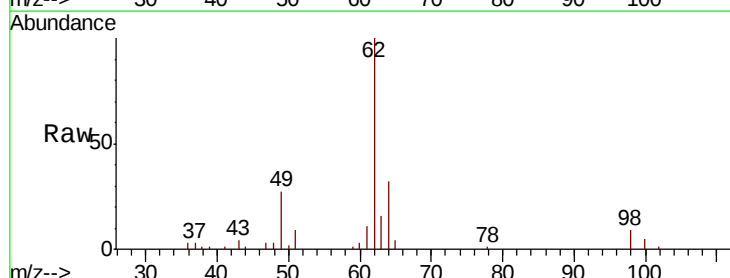
Manual Integrations
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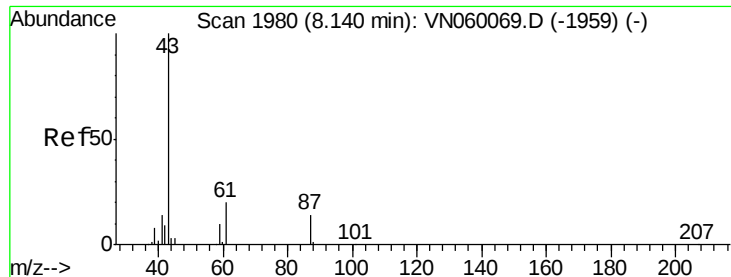
MMDadoda
2/18/2020 9:30:14 AM



#42
1,2-Dichloroethane
Concen: 20.074 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	62	Resp	60418
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2





#43

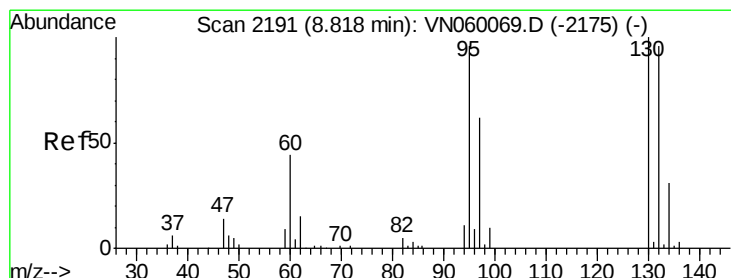
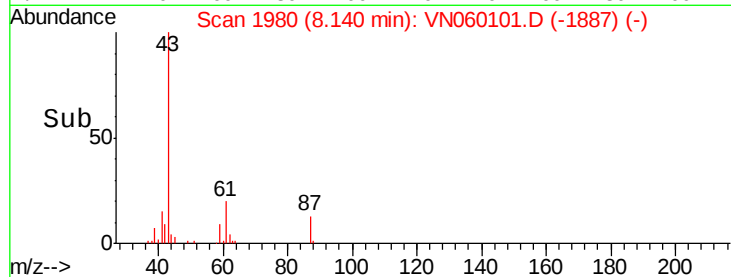
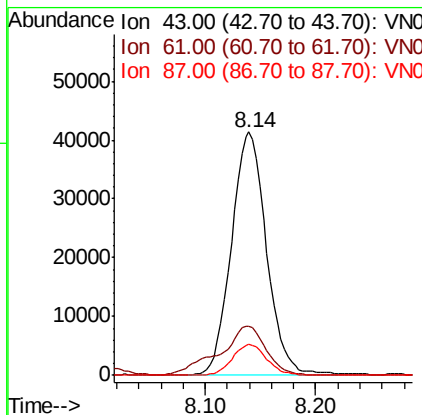
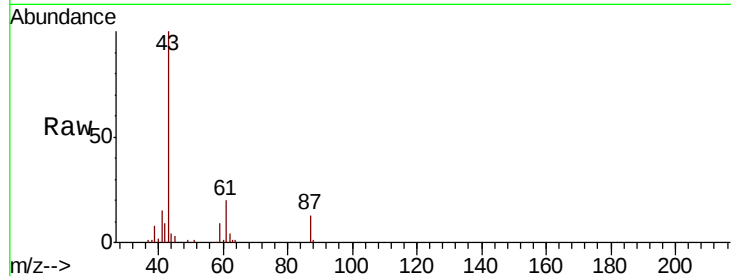
Isopropyl Acetate
 Concen: 20.392 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Tot Ion	43	Resp	91201
Ion Ratio	100	Lower	Upper
43	100		
61	26.8	21.8	32.6
87	12.5	11.4	17.2

Manual Integrations
 APPROVED

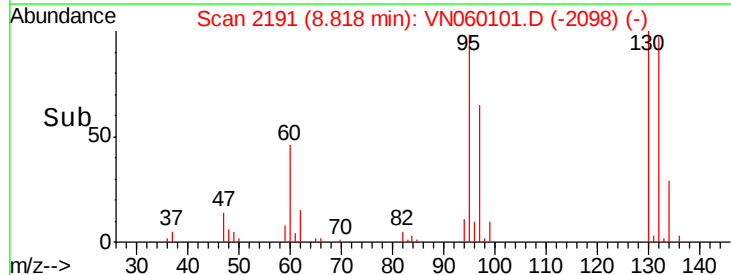
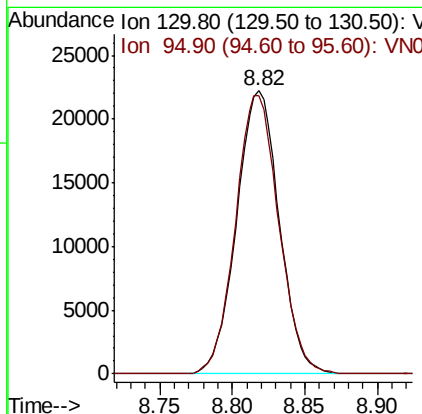
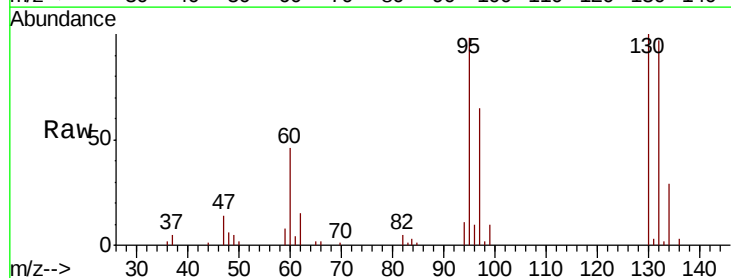
MMDadoda
 2/18/2020 9:30:14 AM

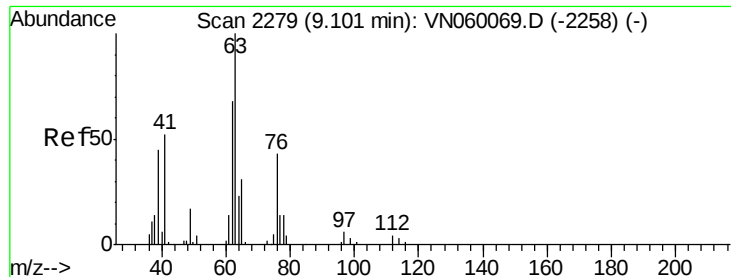


#44

Trichloroethene
 Concen: 19.142 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion	130	Resp	45517
Ion Ratio	100	Lower	Upper
130	100		
95	98.4	0.0	192.4





#45

1,2-Dichloropropane

Concen: 21.034 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 63 Resp: 44720

Ion Ratio Lower Upper

63 100

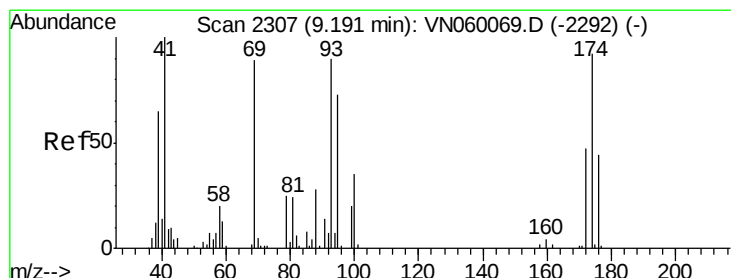
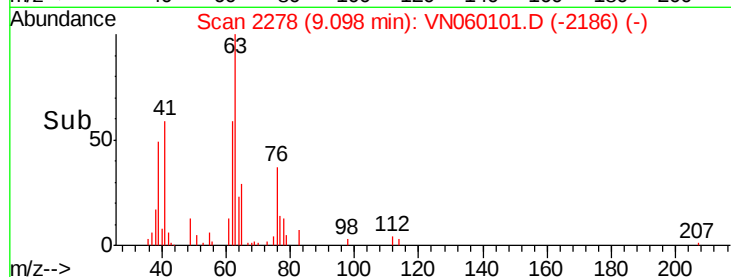
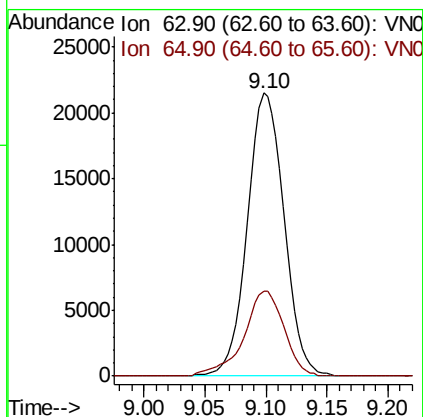
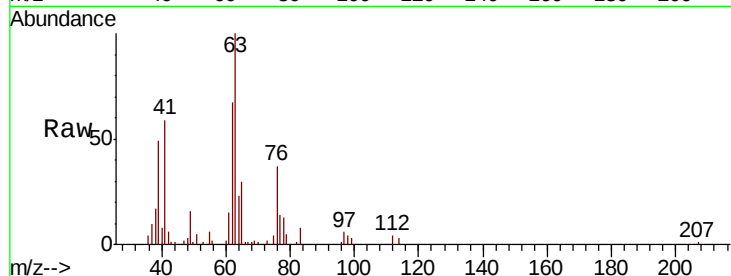
65 30.0 25.0 37.4

Manual Integrations

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MMDadoda

2/18/2020 9:30:14 AM



#46

Dibromomethane

Concen: 19.154 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

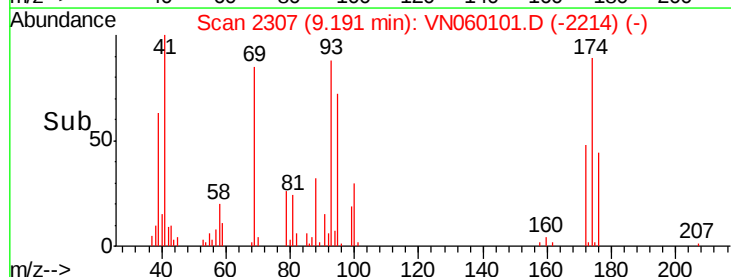
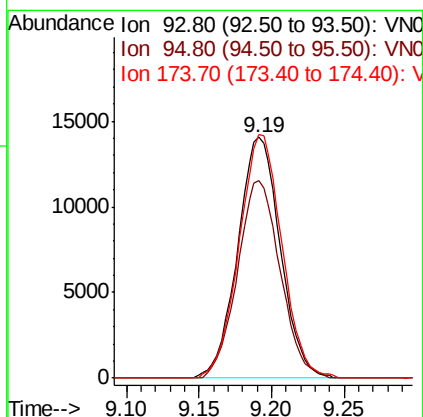
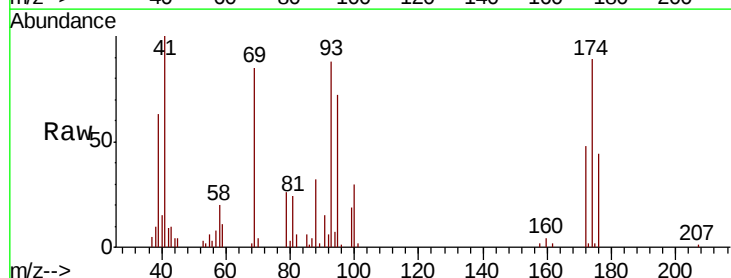
Tgt Ion: 93 Resp: 28777

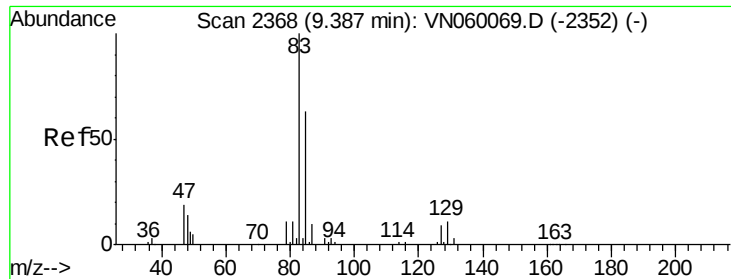
Ion Ratio Lower Upper

93 100

95 81.7 65.0 97.6

174 101.3 82.3 123.5





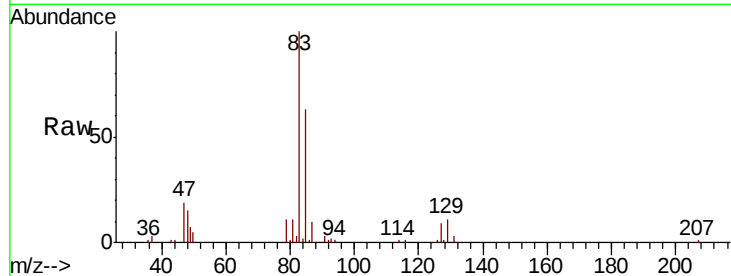
#47
Bromodichloromethane
Concen: 19.623 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	83	Resp	59940
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	50.6	75.8
127	9.4	7.0	10.6

Manual Integrations
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MMDadoda
2/18/2020 9:30:14 AM

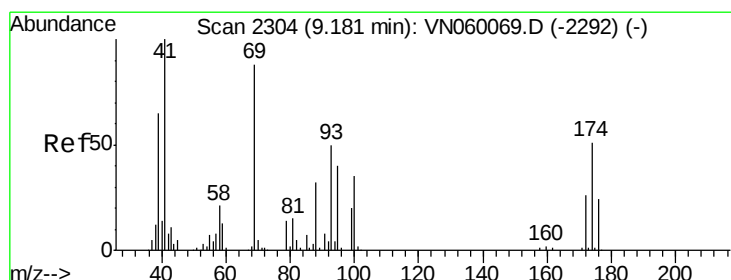
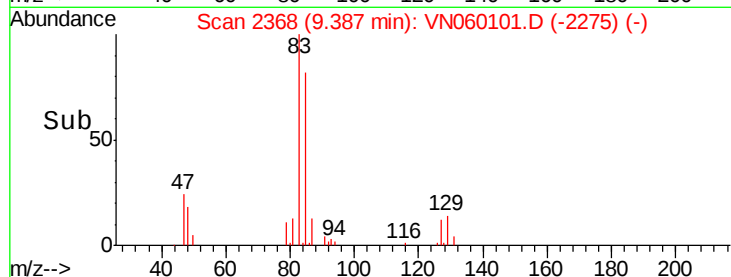
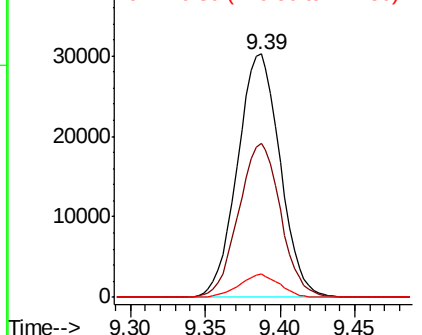


Abundance

Ion 82.90 (82.60 to 83.60): VN060101.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060101.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060101.D (-2275) (-)



#48
Methyl methacrylate
Concen: 19.924 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

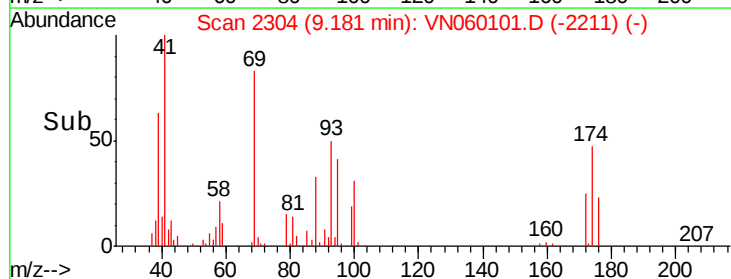
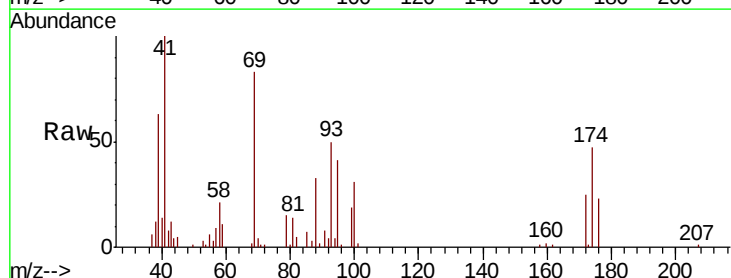
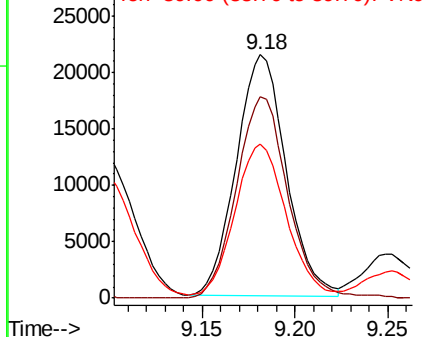
Tgt Ion	41	Resp	39980
Ion Ratio	100	Lower	Upper
41	100		
69	86.7	72.0	108.0
39	64.3	54.1	81.1

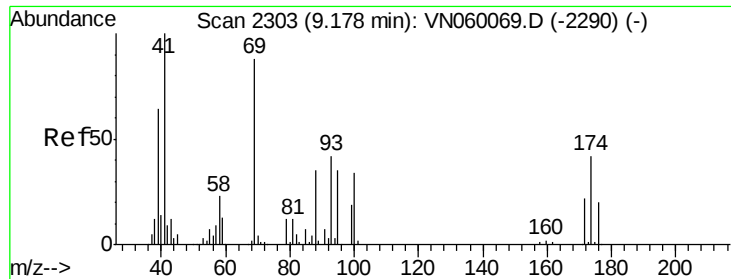
Abundance

Ion 41.00 (40.70 to 41.70): VN060101.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060101.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060101.D (-2211) (-)





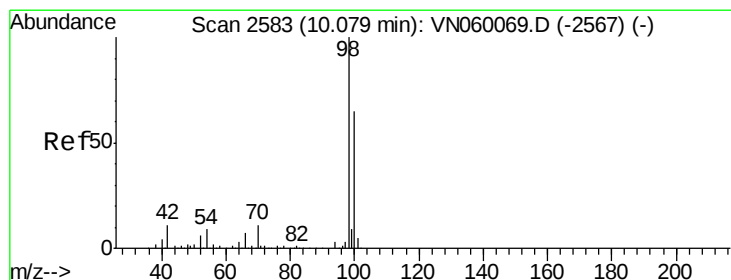
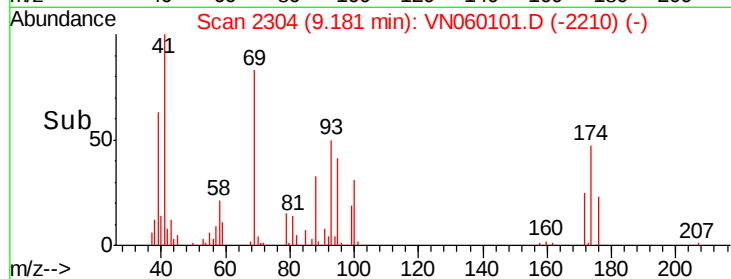
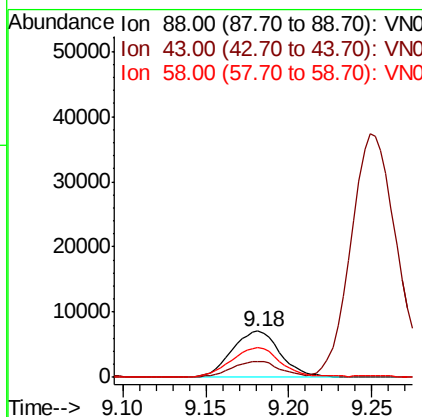
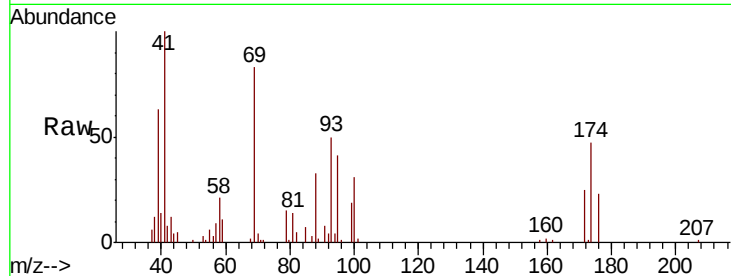
#49
1,4-Dioxane
Concen: 420.497 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.2	39.2
58	66.5	53.2	79.8

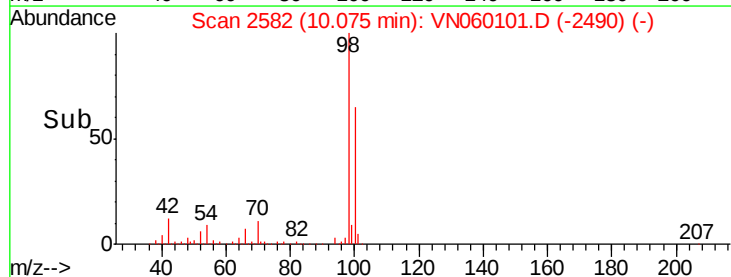
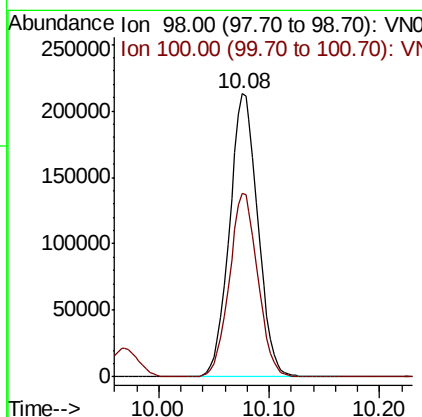
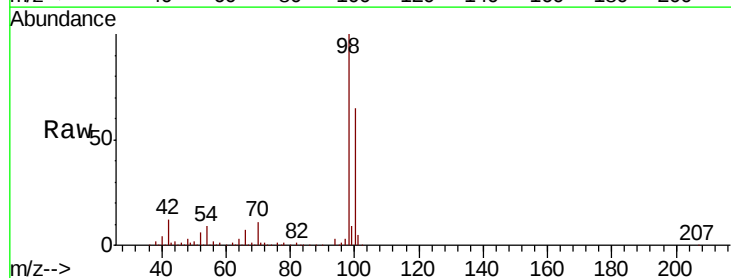
Manual Integrations
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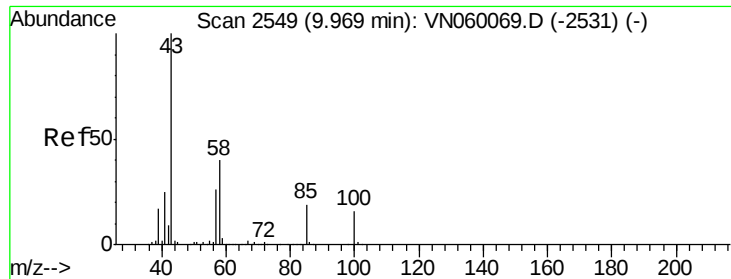
MMDadoda
2/18/2020 9:30:14 AM



#50
Toluene-d8
Concen: 50.159 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 102.208 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 43 Resp: 264592

Ion Ratio Lower Upper

43 100

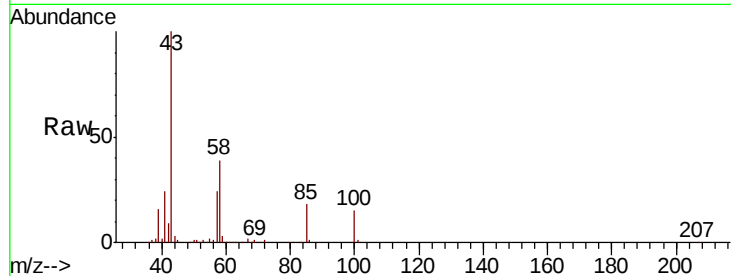
58 38.9 31.8 47.8

Manual Integrations

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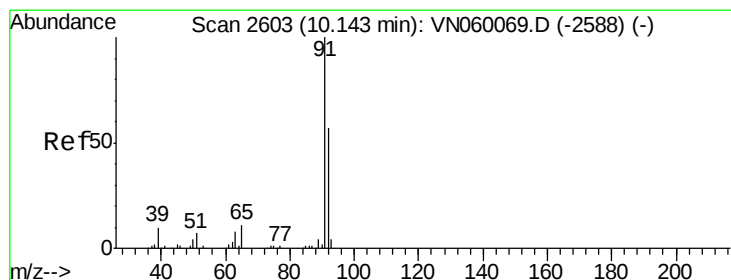
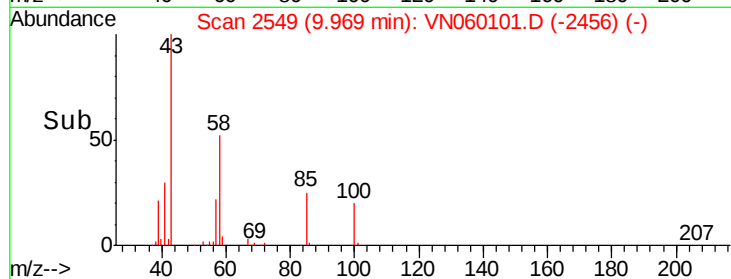
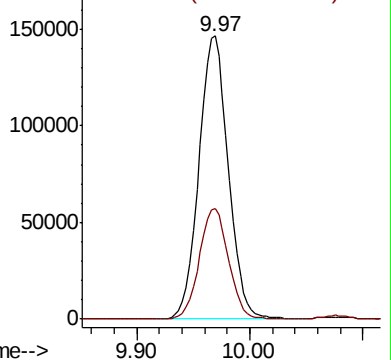
MMDadoda

2/18/2020 9:30:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.247 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060101.D

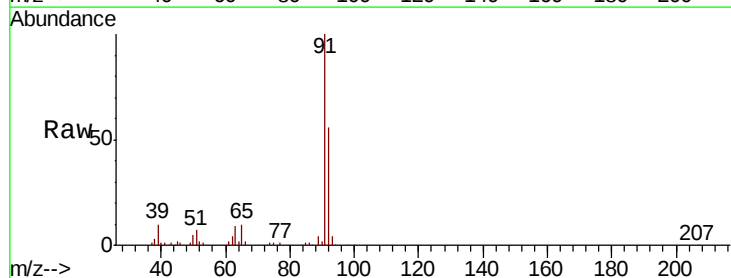
Acq: 14 Feb 2020 11:06

Tgt Ion: 92 Resp: 105993

Ion Ratio Lower Upper

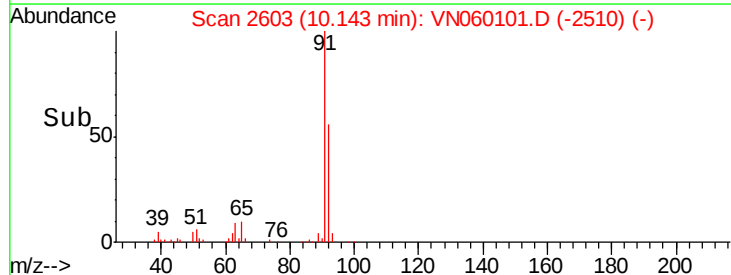
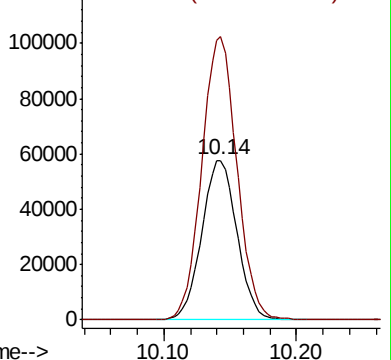
92 100

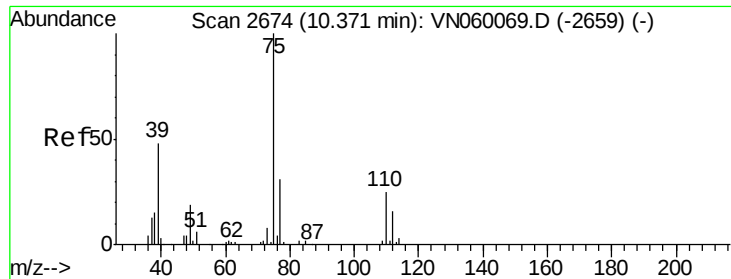
91 177.1 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





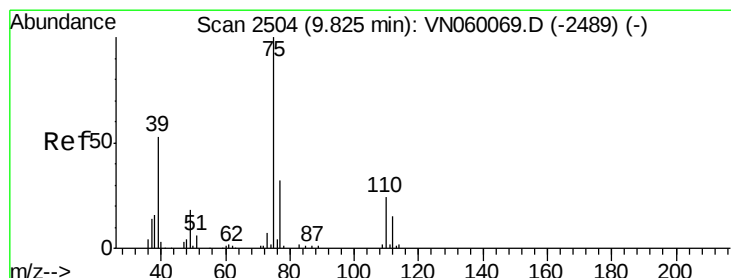
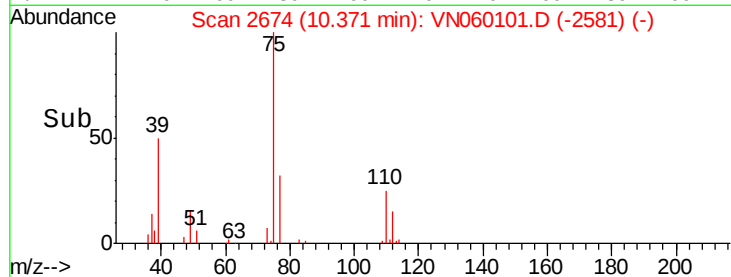
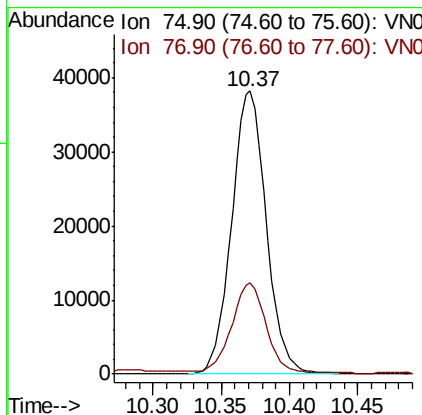
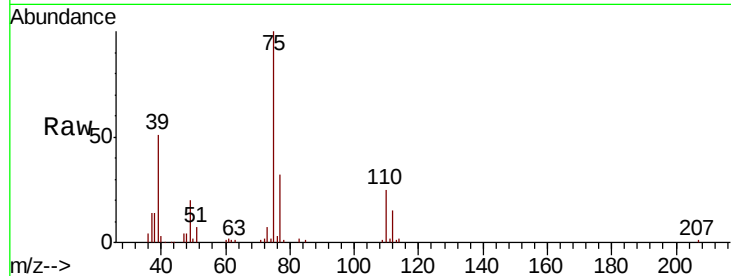
#53
t-1,3-Dichloropropene
Concen: 19.538 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion: 75 Resp: 67363
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0

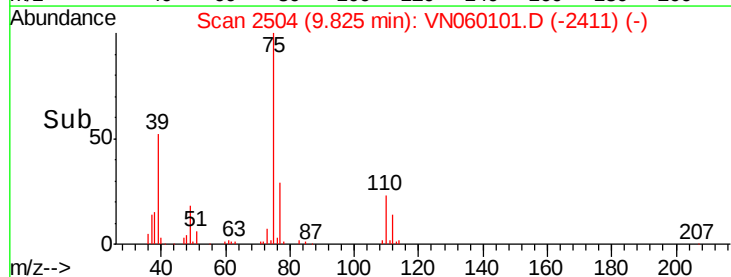
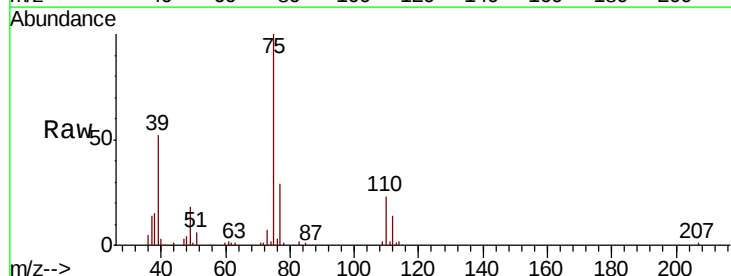
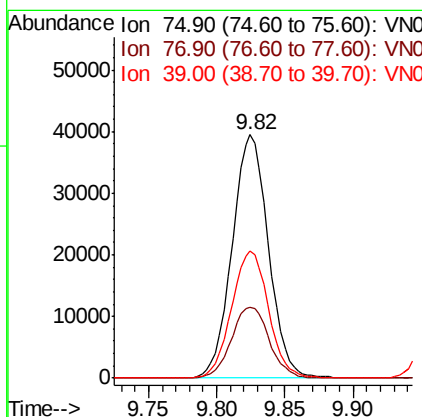
Manual Integrations
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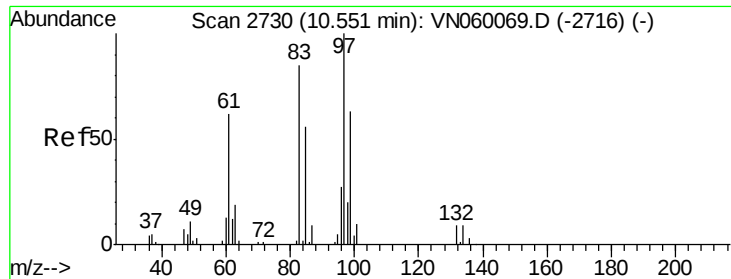
MMDadoda
2/18/2020 9:30:14 AM



#54
cis-1,3-Dichloropropene
Concen: 20.071 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 75 Resp: 72871
Ion Ratio Lower Upper
75 100
77 29.3 25.6 38.4
39 52.0 42.2 63.4





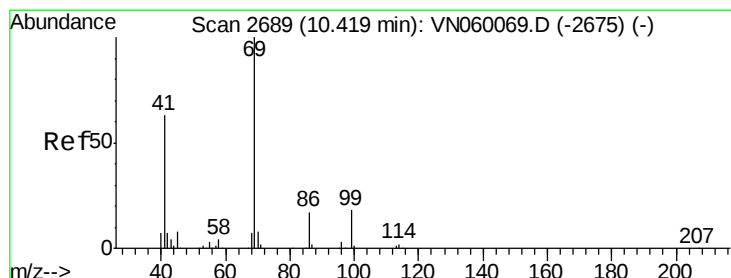
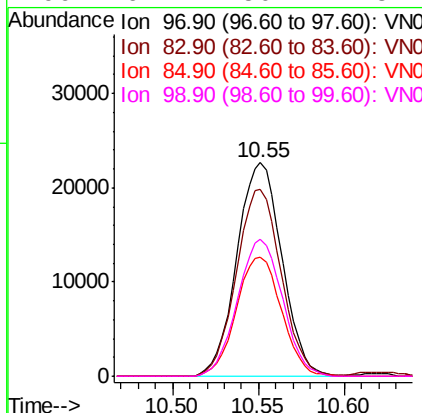
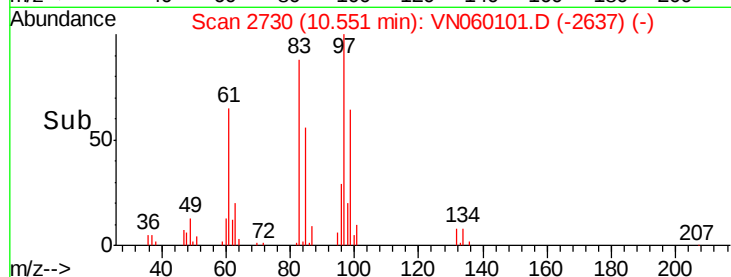
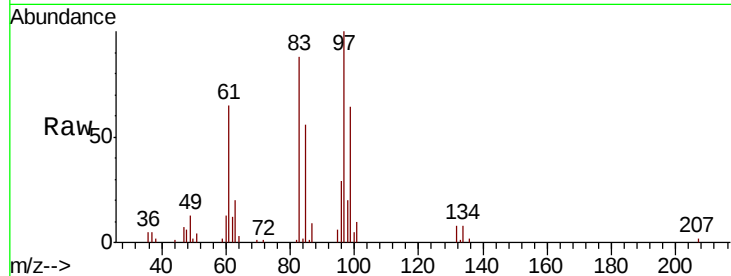
#55
 1,1,2-Trichloroethane
 Concen: 19.240 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.9	101.9
85	56.0	44.6	67.0
99	64.1	50.1	75.1

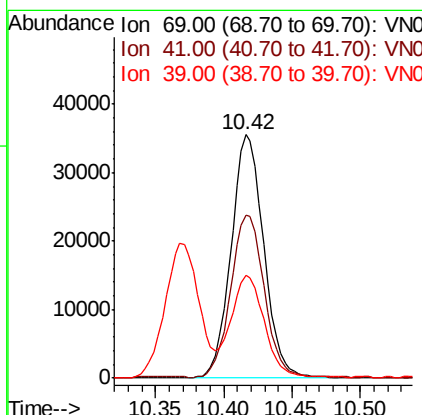
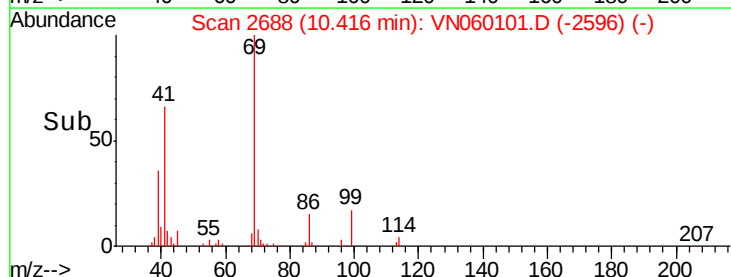
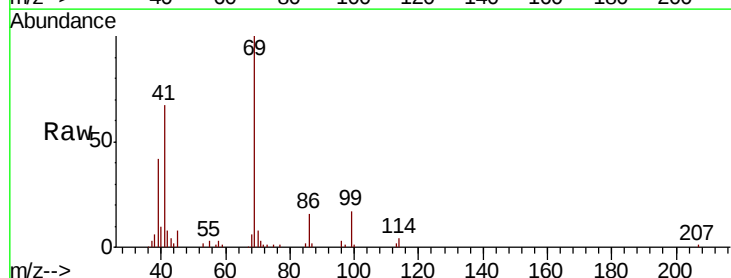
Manual Integrations
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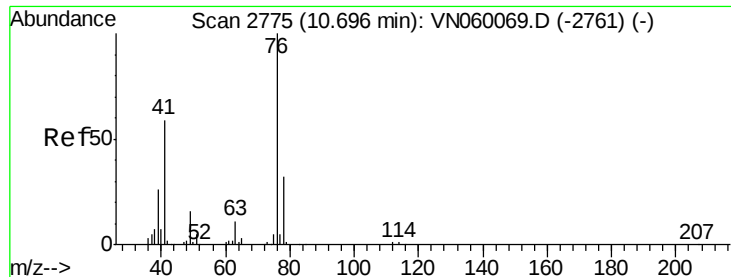
MMDadoda
 2/18/2020 9:30:14 AM



#56
 Ethyl methacrylate
 Concen: 19.445 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.5	51.1	76.7
39	44.1	33.8	50.8





#57

1,3-Dichloropropane

Concen: 19.586 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 76 Resp: 69431

Ion Ratio Lower Upper

76 100

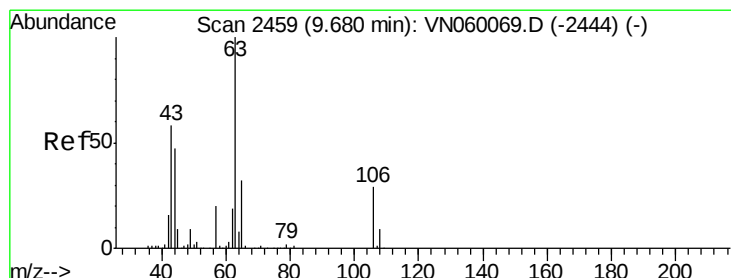
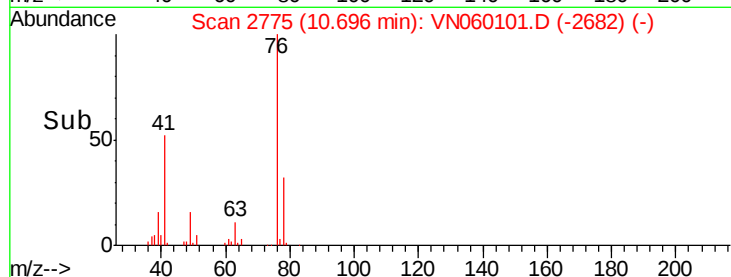
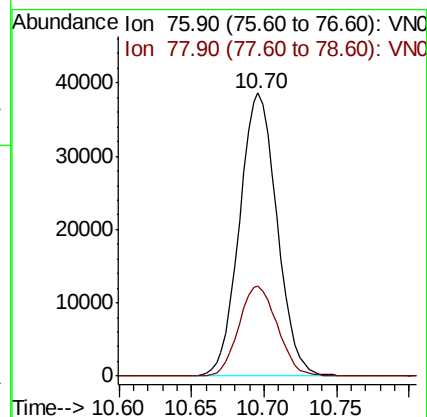
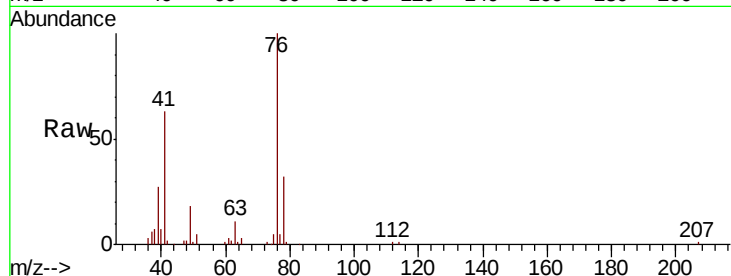
78 32.6 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:30:14 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.538 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060101.D

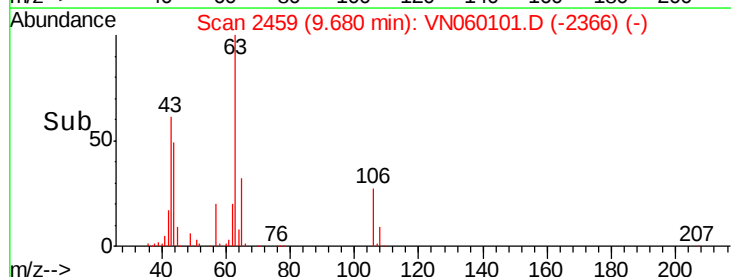
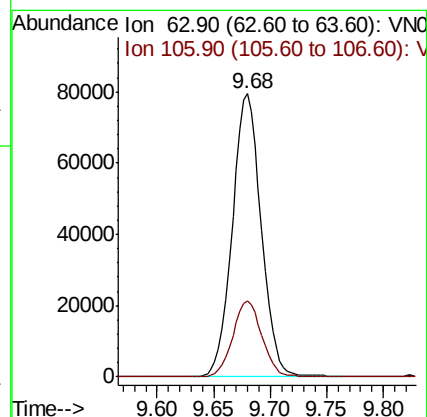
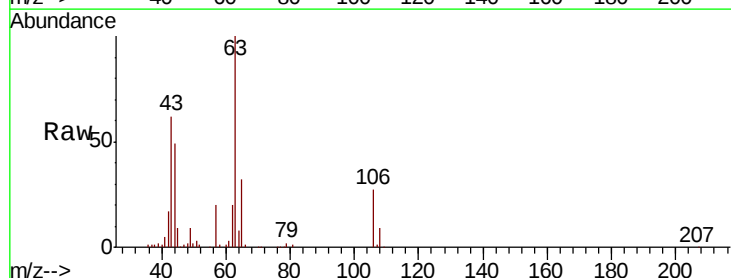
Acq: 14 Feb 2020 11:06

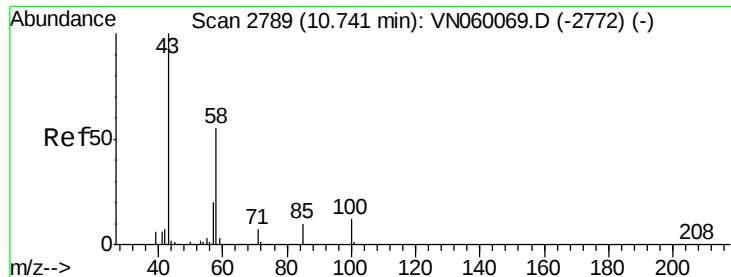
Tgt Ion: 63 Resp: 140930

Ion Ratio Lower Upper

63 100

106 27.2 22.9 34.3





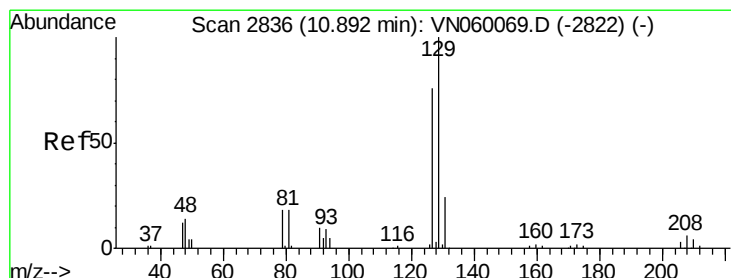
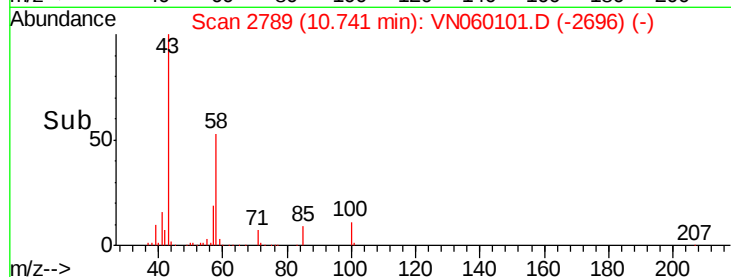
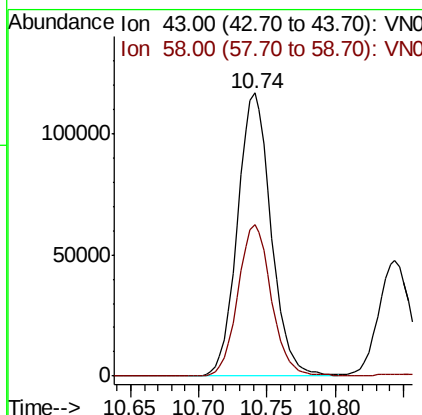
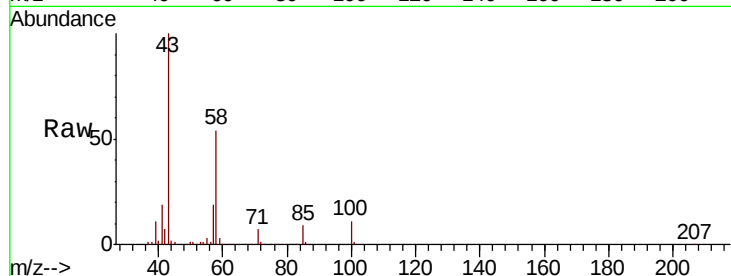
#59
2-Hexanone
Concen: 99.800 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.5	82.4

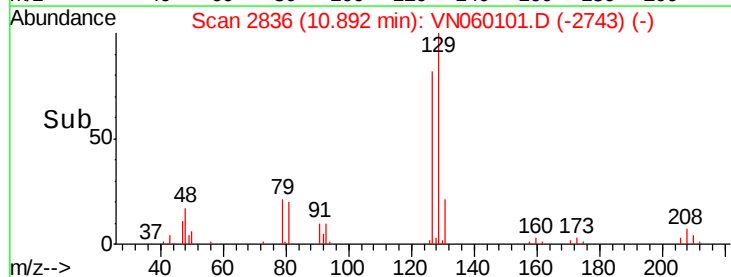
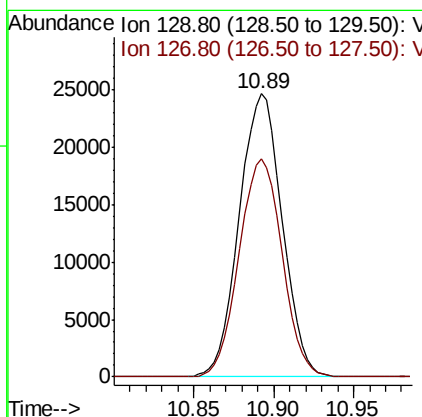
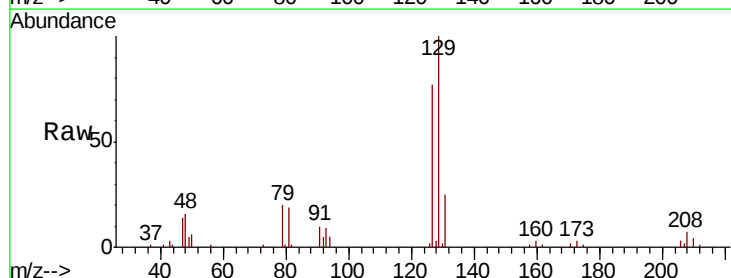
Manual Integrations
APPROVED

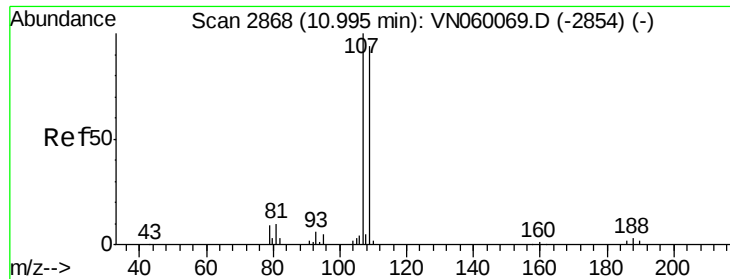
MMDadoda
2/18/2020 9:30:14 AM



#60
Dibromochloromethane
Concen: 18.357 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.0	114.1





#61

1,2-Dibromoethane

Concen: 19.458 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 107 Resp: 43822

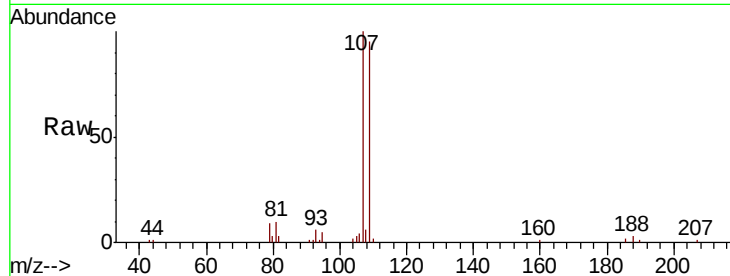
Ion Ratio Lower Upper

107 100

109 94.3 75.4 113.0

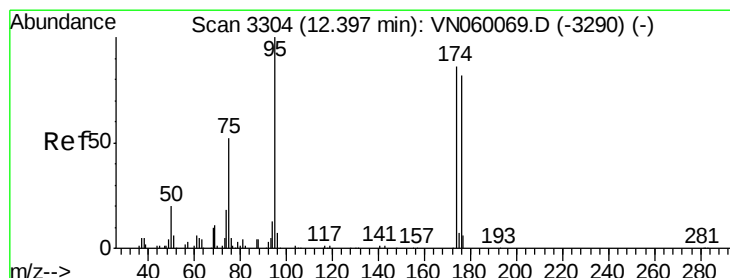
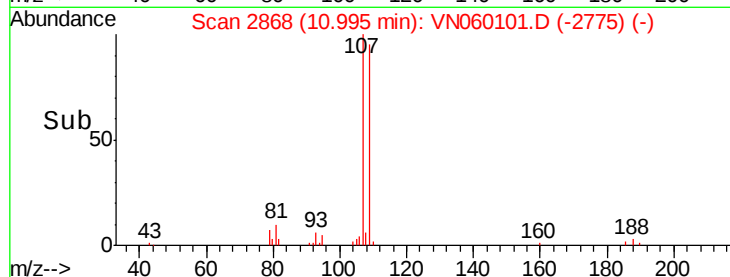
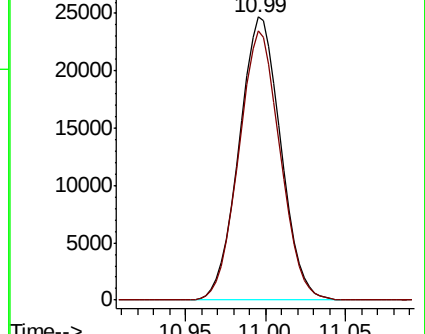
Manual Integrations
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MMDadoda
2/18/2020 9:30:14 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.133 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

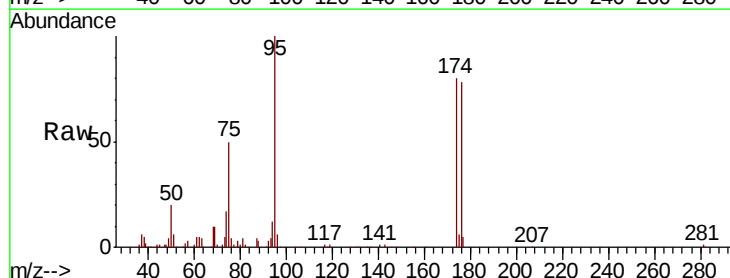
Tgt Ion: 95 Resp: 139373

Ion Ratio Lower Upper

95 100

174 80.9 0.0 169.8

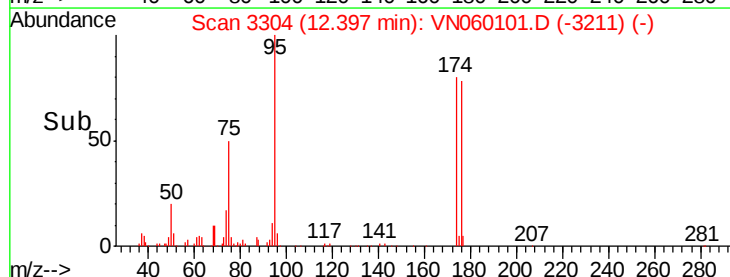
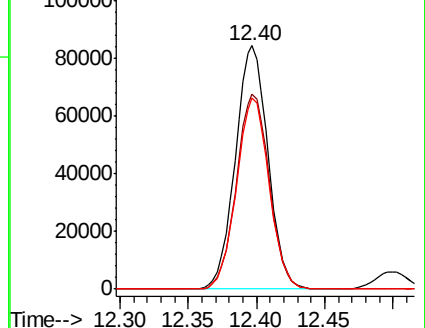
176 78.7 0.0 164.8

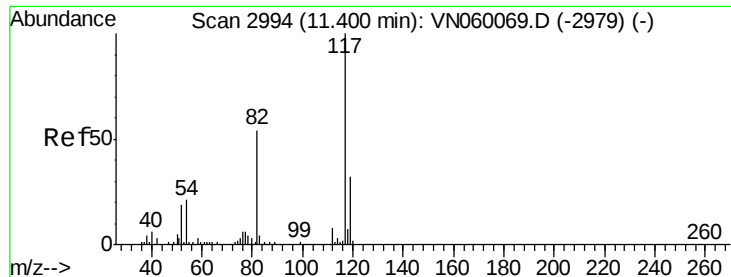


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





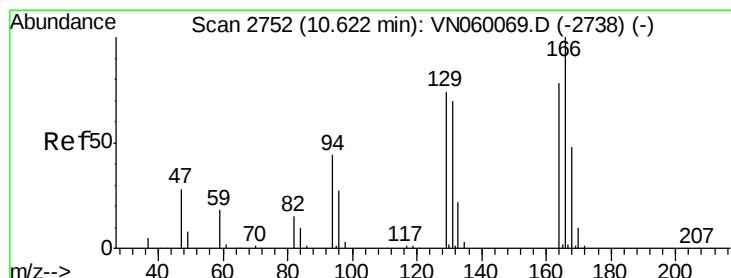
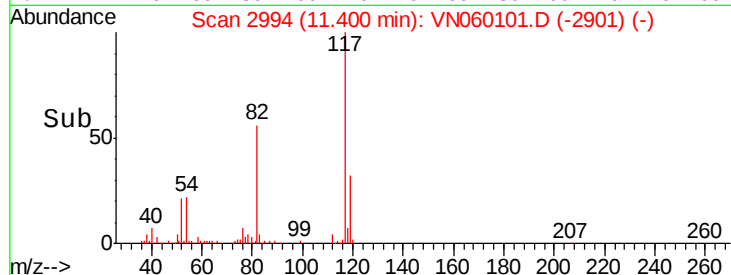
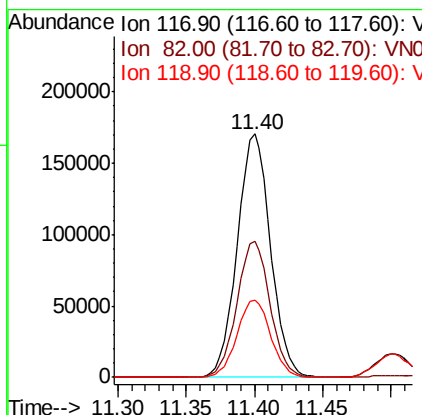
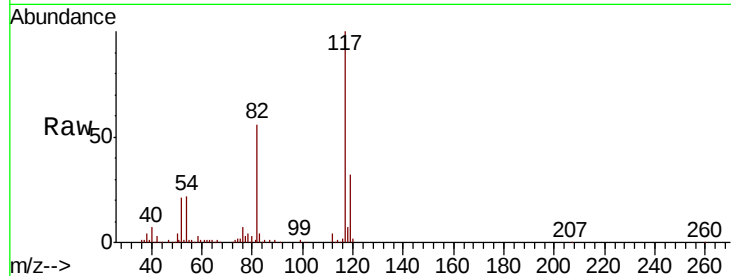
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.4	65.0
119	31.9	25.8	38.6

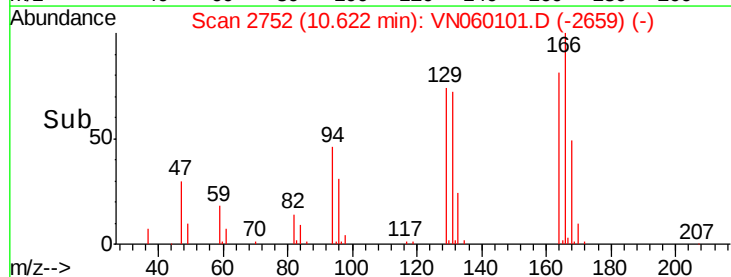
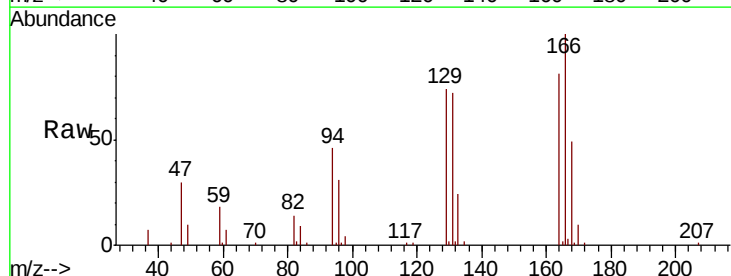
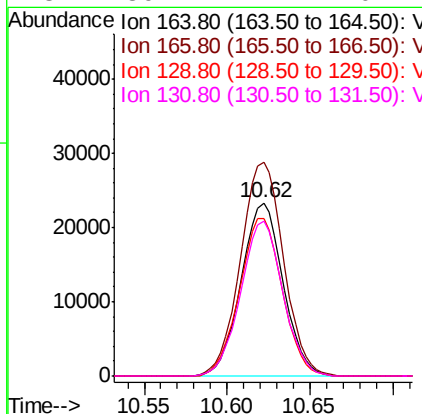
Manual Integrations
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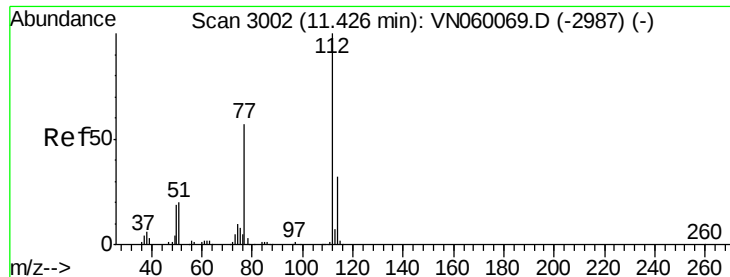
MMDadoda
2/18/2020 9:30:14 AM



#64
Tetrachloroethene
Concen: 18.669 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	101.9	152.9
129	91.3	75.4	113.0
131	89.2	71.4	107.2





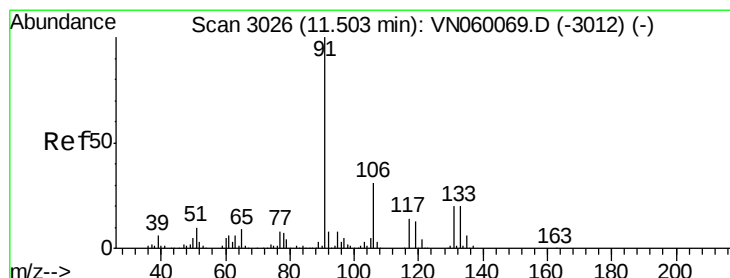
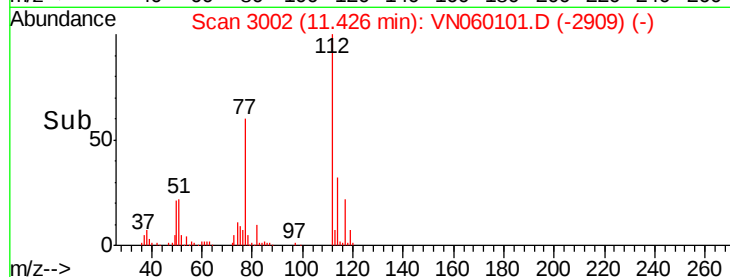
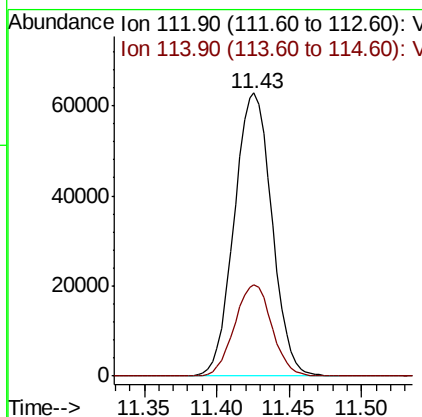
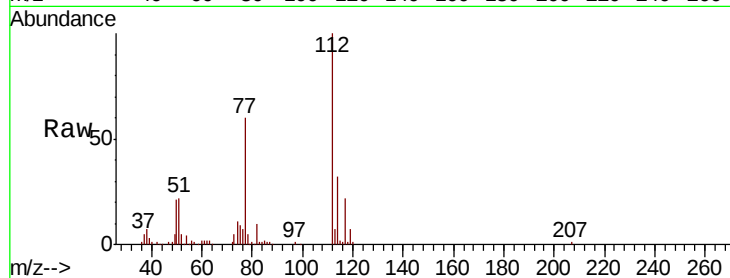
#65
Chlorobenzene
Concen: 19.271 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.0

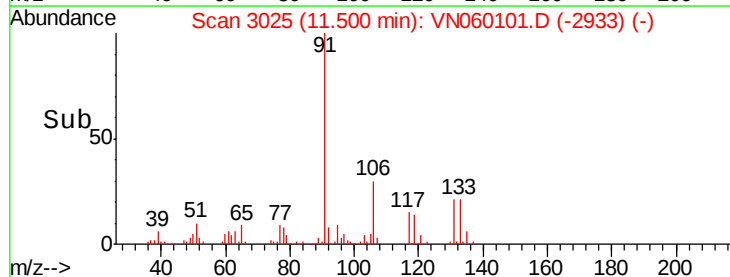
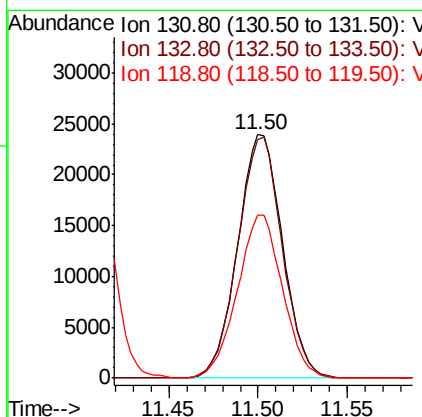
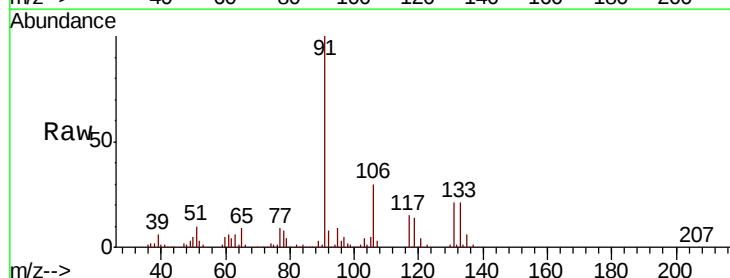
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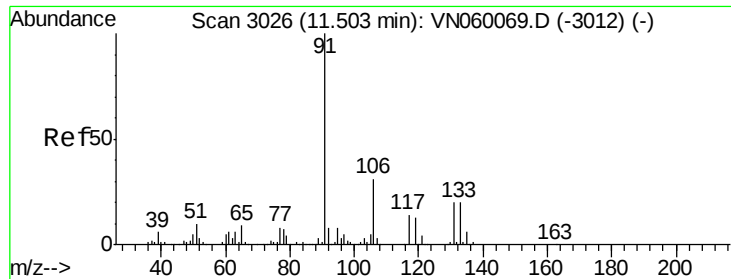
MMDadoda
2/18/2020 9:30:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.839 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.5	47.9	143.7
119	67.6	32.6	97.7





#67

Ethyl Benzene

Concen: 19.420 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 91 Resp: 206139

Ion Ratio Lower Upper

91 100

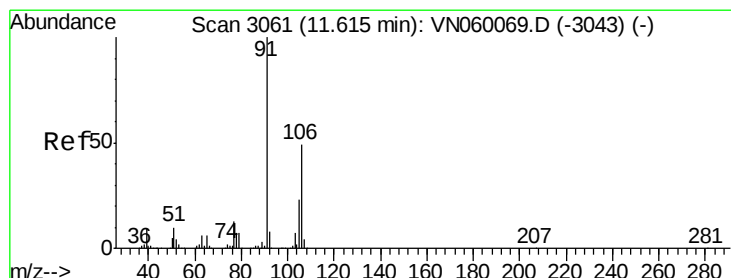
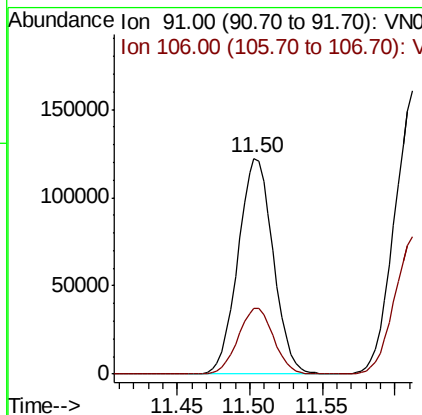
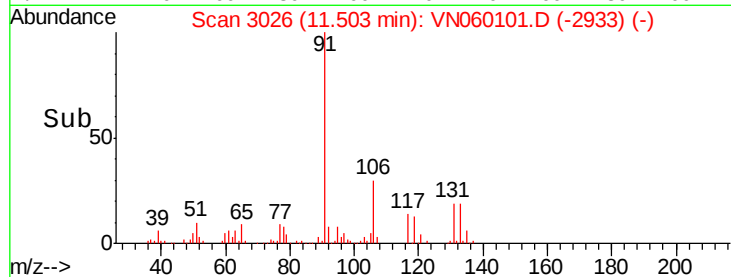
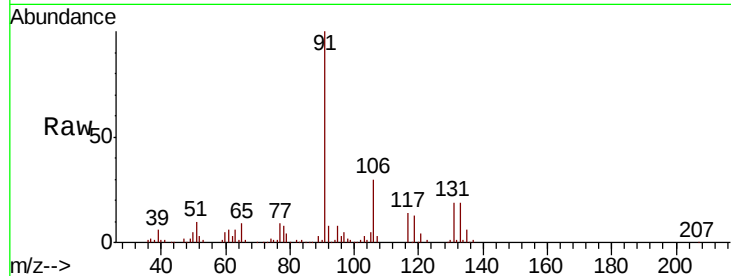
106 30.5 25.1 37.7

Manual Integrations

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MMDadoda

2/18/2020 9:30:14 AM



#68

m/p-Xylenes

Concen: 38.582 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060101.D

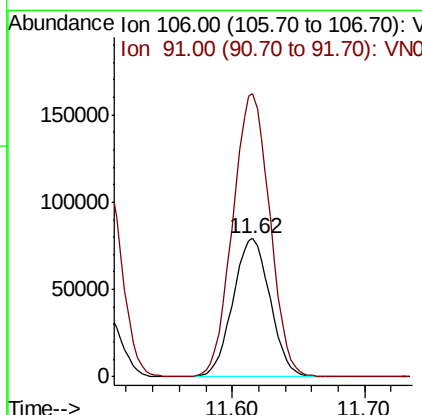
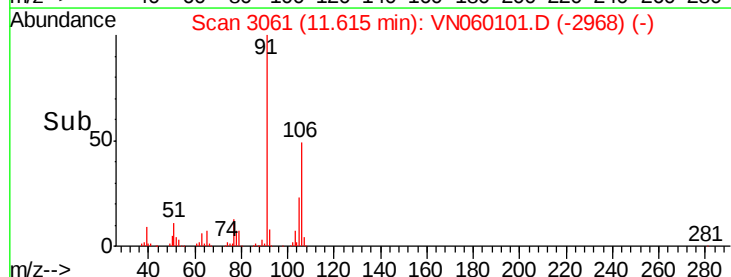
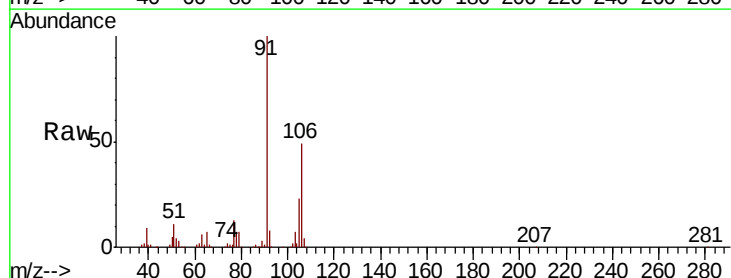
Acq: 14 Feb 2020 11:06

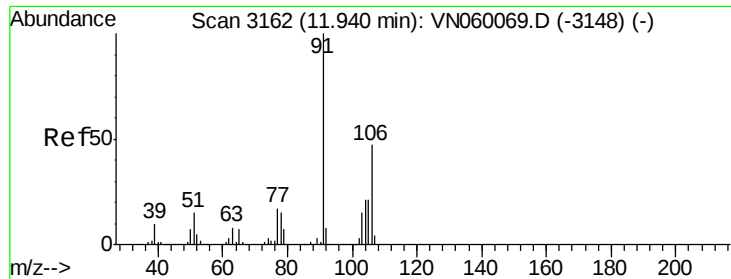
Tgt Ion: 106 Resp: 153707

Ion Ratio Lower Upper

106 100

91 204.0 162.7 244.1





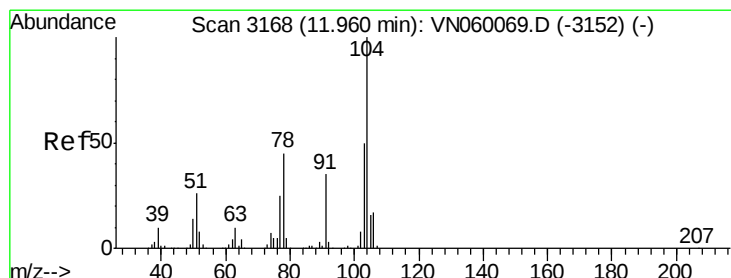
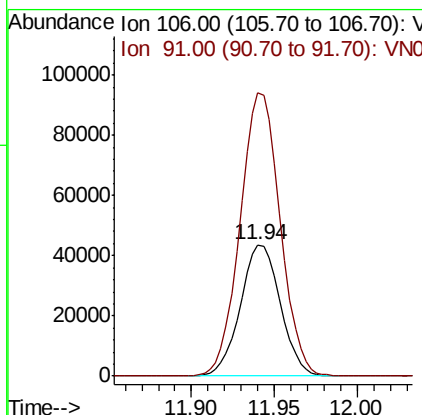
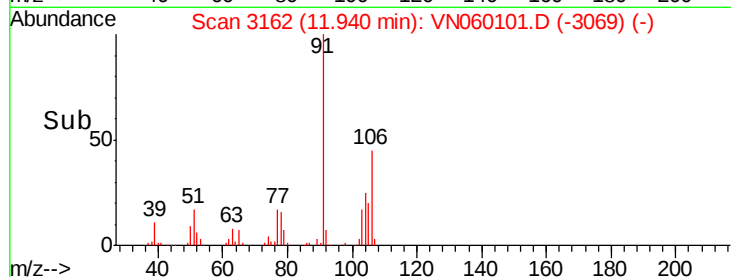
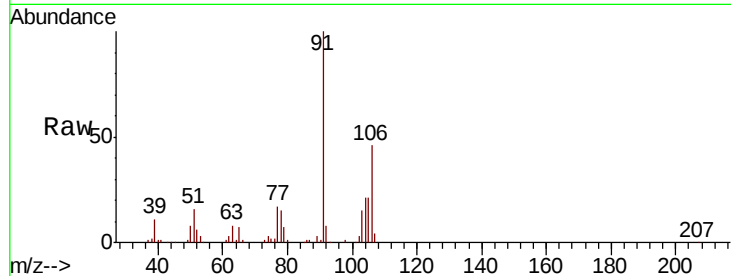
#69
o-Xylene
Concen: 19.081 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	216.0	107.2	321.6

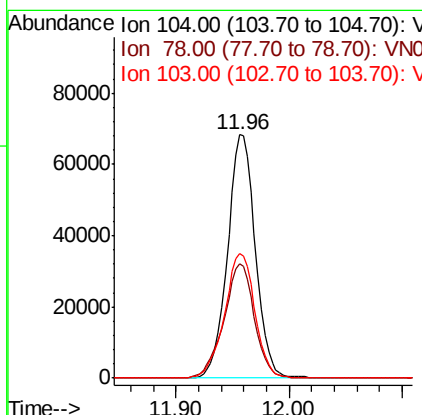
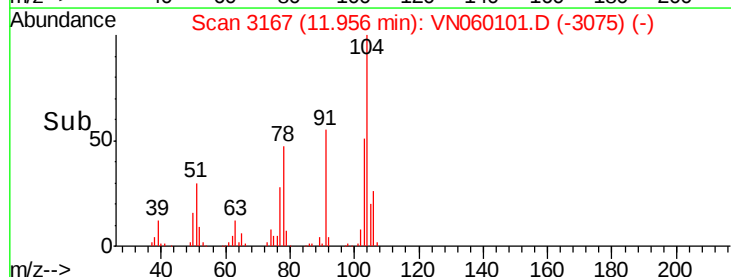
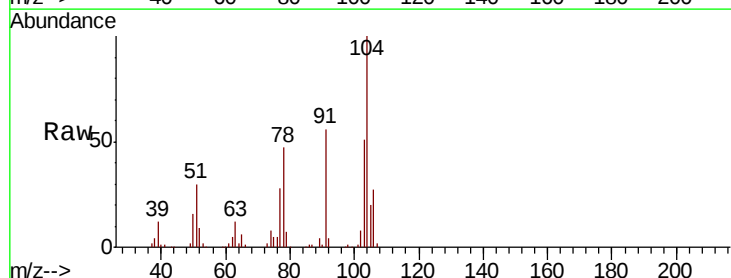
Manual Integrations
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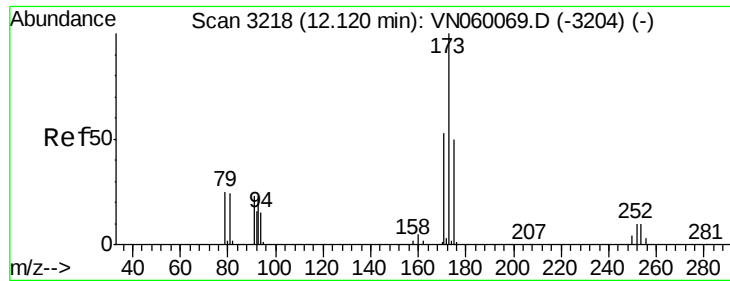
MMDadoda
2/18/2020 9:30:14 AM



#70
Styrene
Concen: 18.879 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	51.6	40.2	60.2
103	103	55.8	44.3	66.5





#71

Bromoform

Concen: 18.416 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

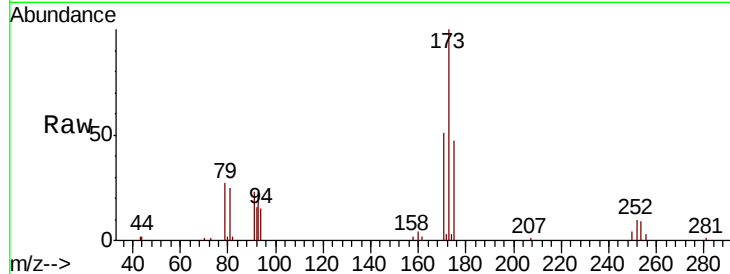
ClientSampleId :

VN0214WBS01

Tot Ion:	173	Resp:	32978
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.9	74.6
254	0.0	0.0	0.0

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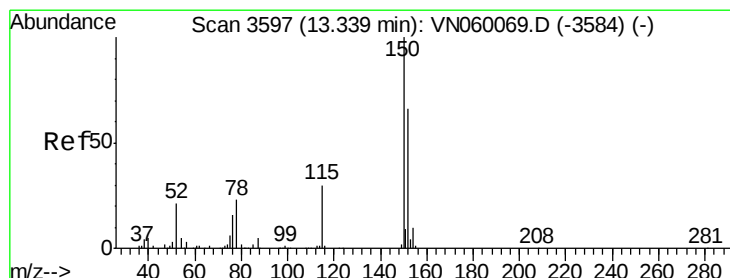
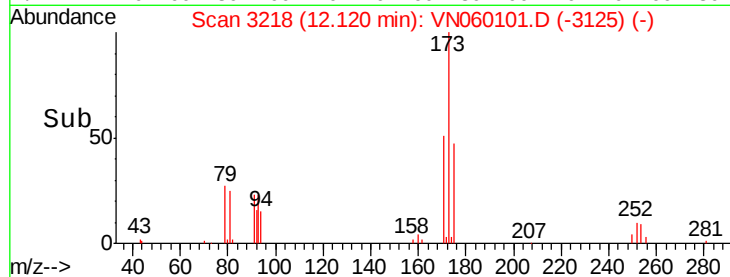
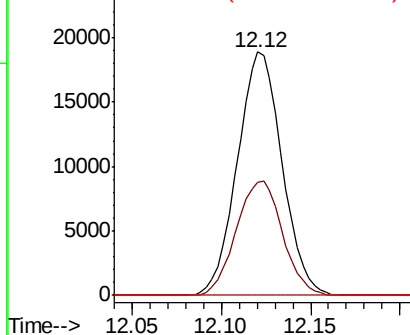


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

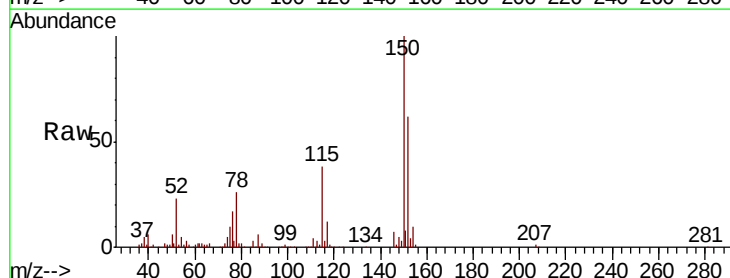
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Tgt Ion:	152	Resp:	137859
Ion Ratio	Lower	Upper	
152	100		
115	60.3	28.9	86.8
150	164.6	0.0	342.4

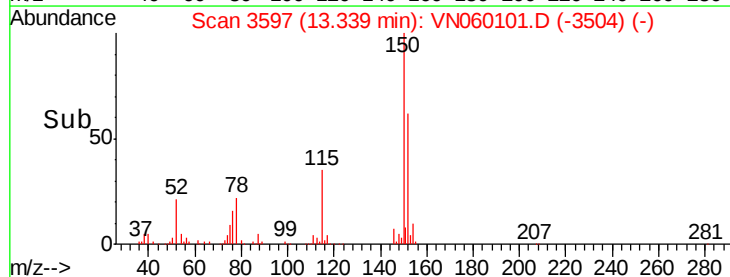
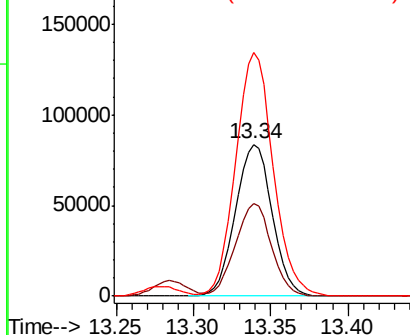


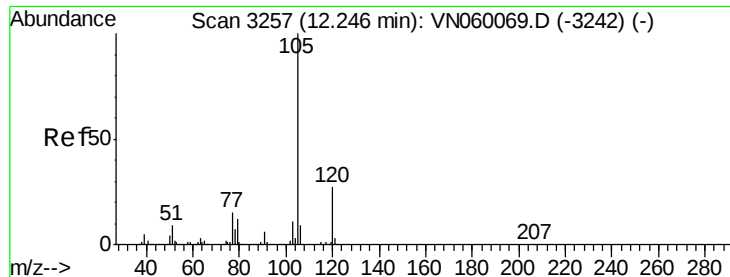
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.641 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 105 Resp: 202195

Ion Ratio Lower Upper

105 100

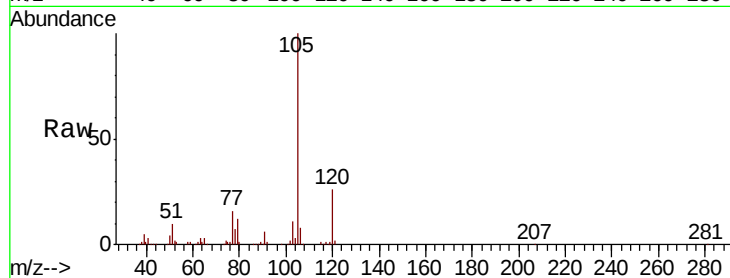
120 26.0 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

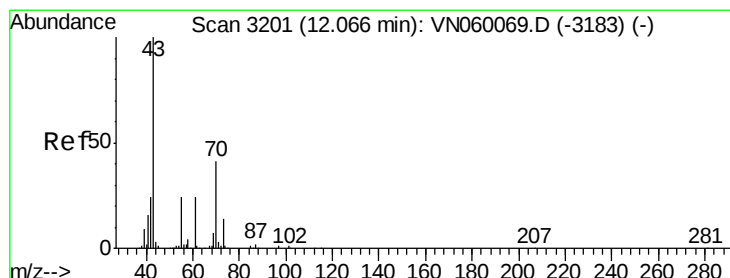
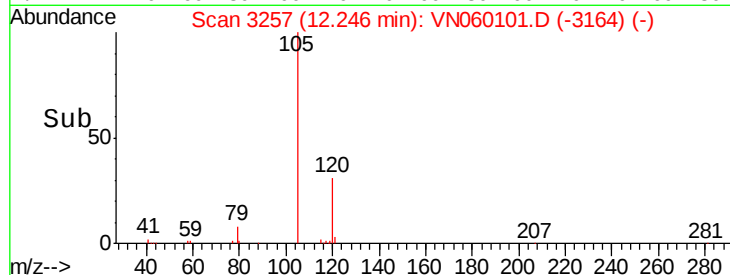
12.25

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 20.802 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Tgt Ion: 43 Resp: 77222

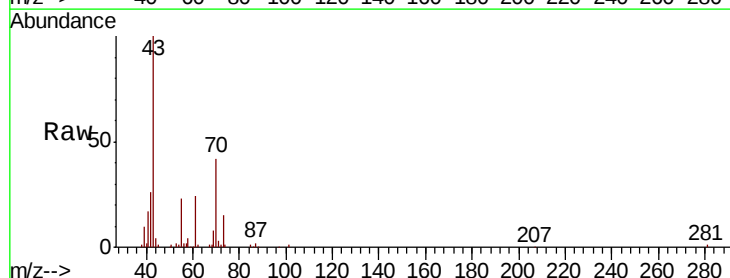
Ion Ratio Lower Upper

43 100

70 40.6 33.4 50.0

55 23.2 18.8 28.2

61 23.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.06

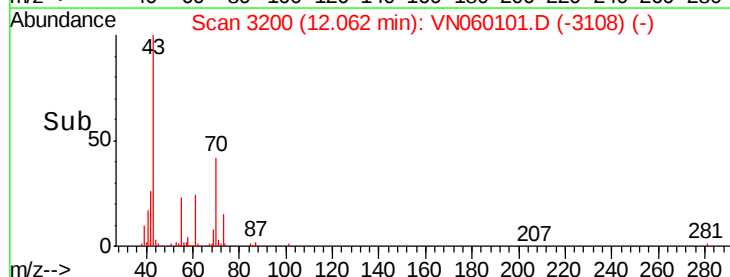
60000

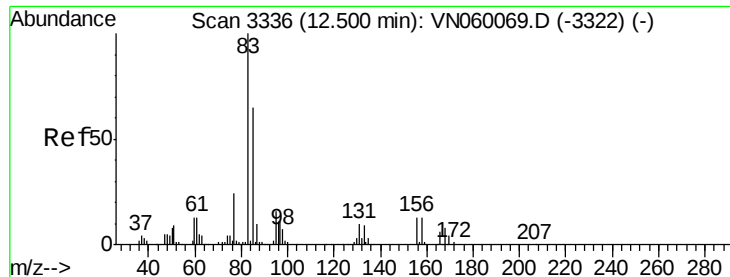
40000

20000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 20.495 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

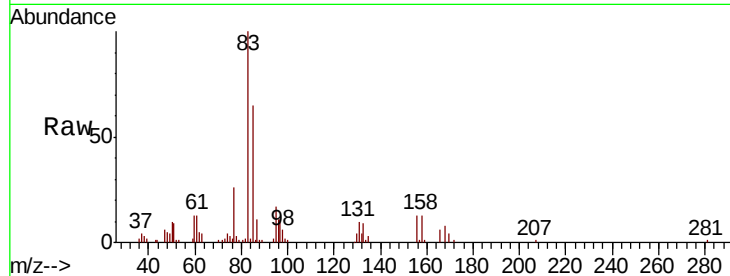
ClientSampleId :

VN0214WBS01

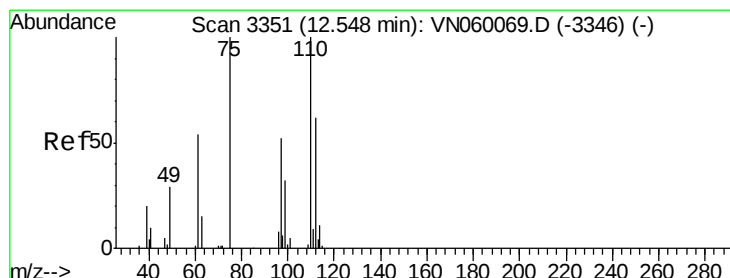
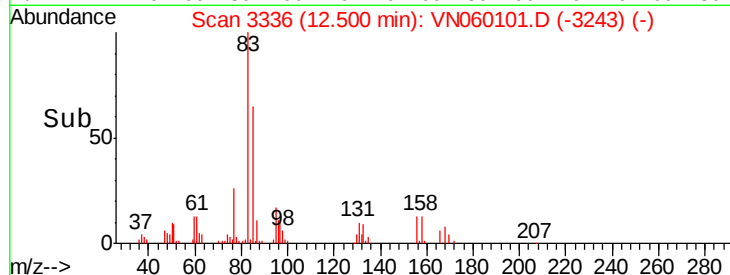
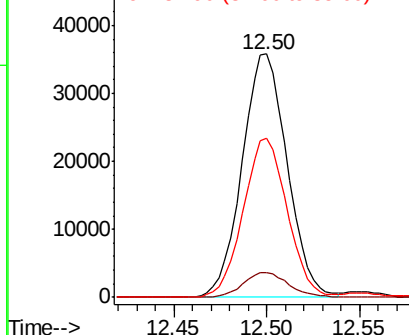
Tot Ion:	83	Resp:	60729
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	63.8	32.3	96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 20.443 ug/l m

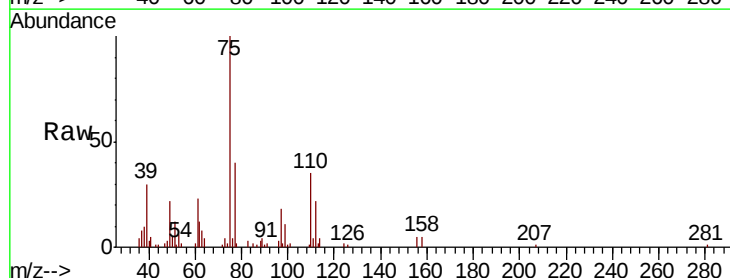
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

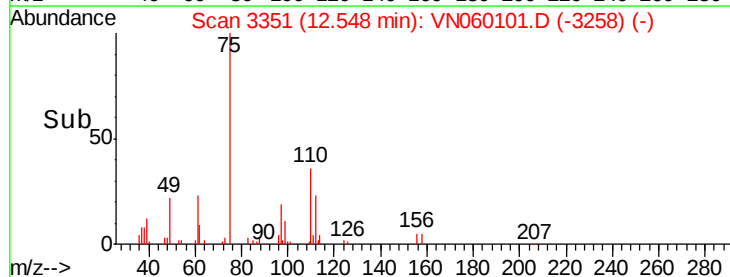
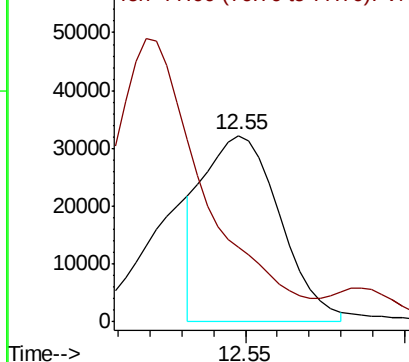
Lab File: VN060101.D

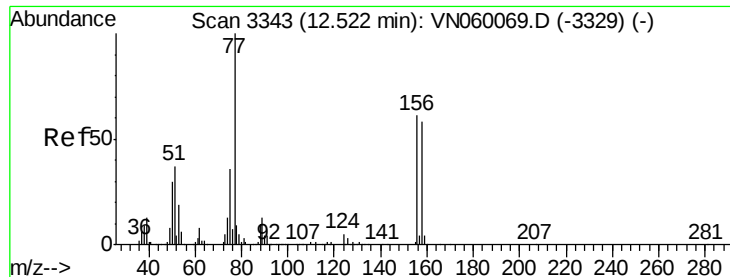
Acq: 14 Feb 2020 11:06

Tgt Ion:	75	Resp:	53918
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.196 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

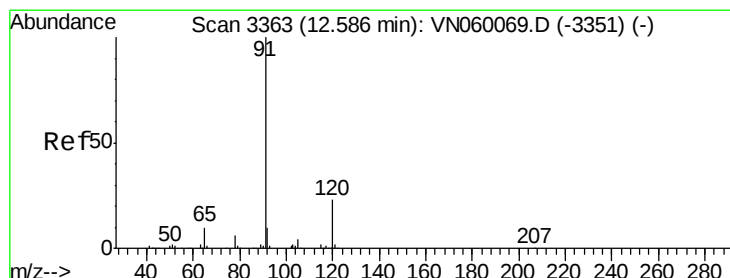
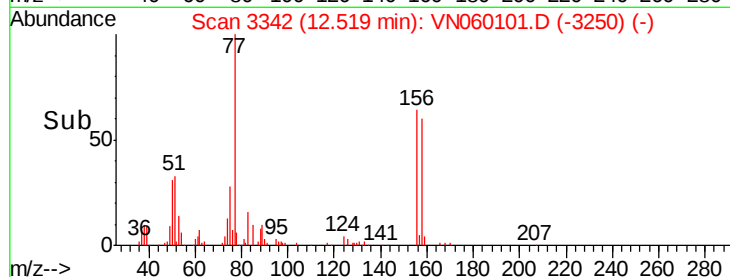
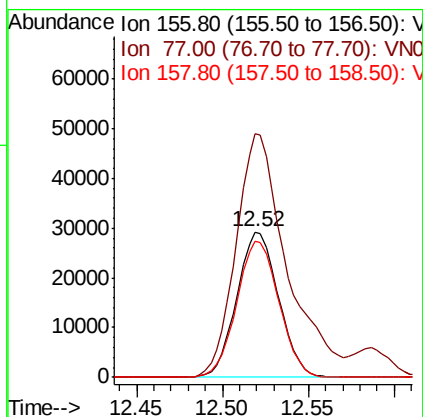
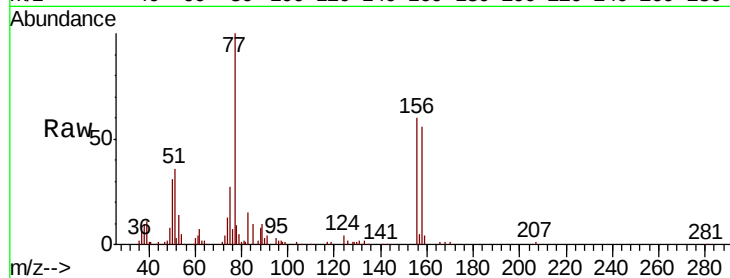
ClientSampleId :

VN0214WBS01

Tot Ion:	156	Resp:	49042
Ion Ratio	Lower	Upper	
156	100		
77	205.1	98.7	296.1
158	95.0	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 19.700 ug/l

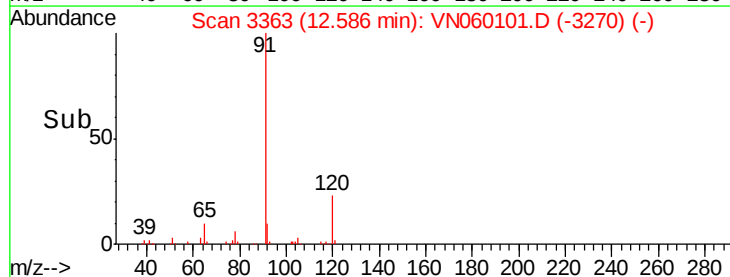
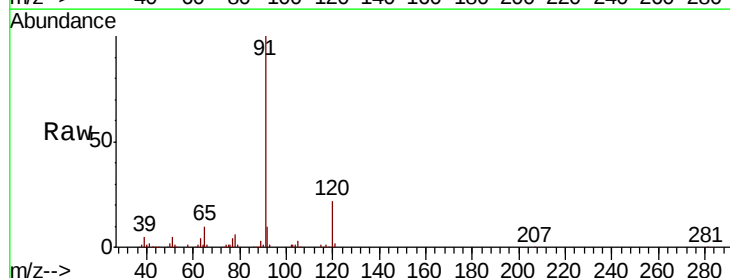
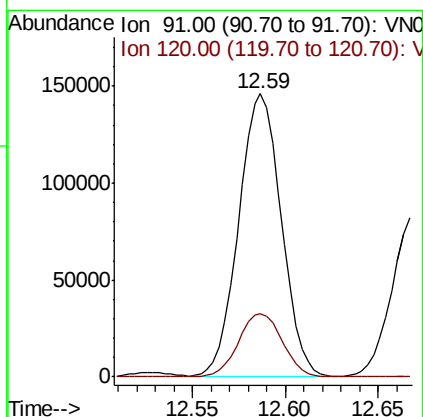
RT: 12.59 min Scan# 3363

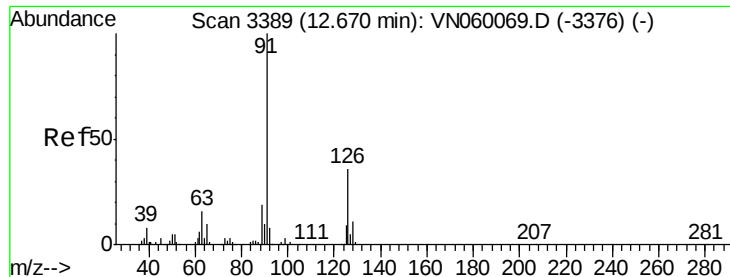
Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Tgt Ion:	91	Resp:	231064
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.5





#79

2-Chlorotoluene

Concen: 19.806 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 91 Resp: 136543

Ion Ratio Lower Upper

91 100

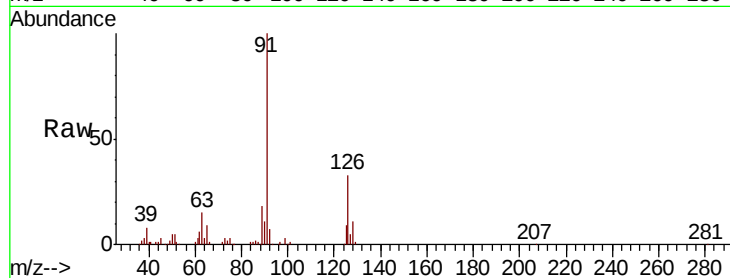
126 33.0 17.4 52.2

Manual Integrations

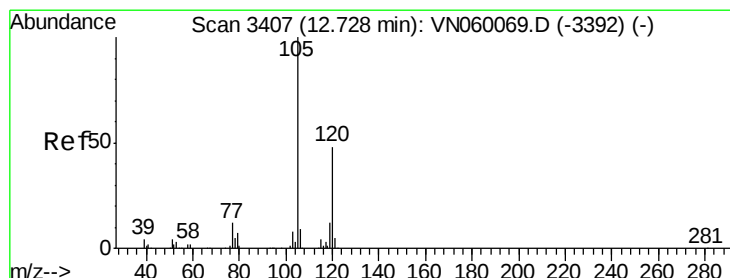
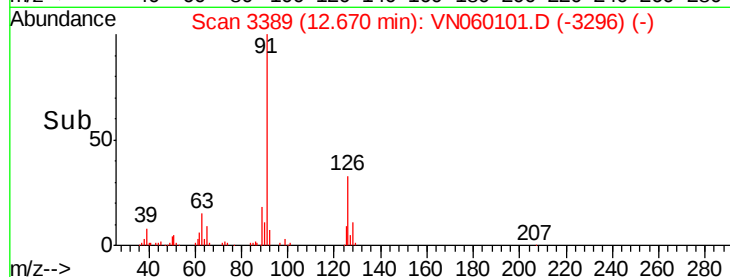
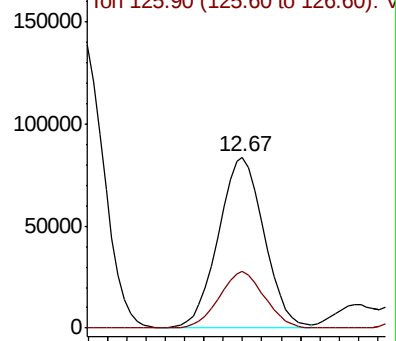
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Abundance Ion 91.00 (90.70 to 91.70): VN060101.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.661 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060101.D

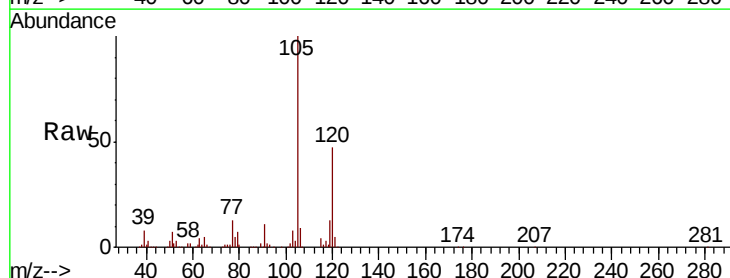
Acq: 14 Feb 2020 11:06

Tgt Ion: 105 Resp: 168288

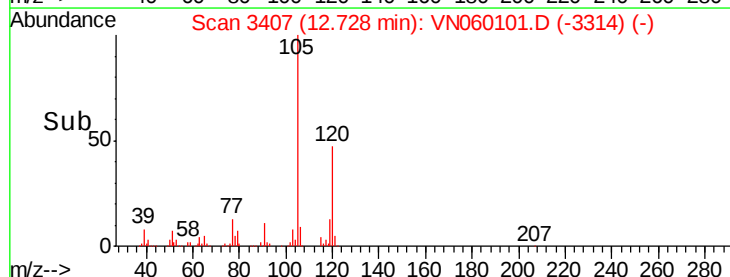
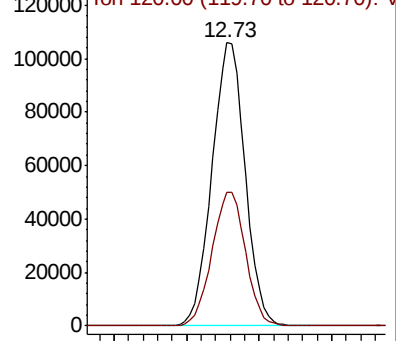
Ion Ratio Lower Upper

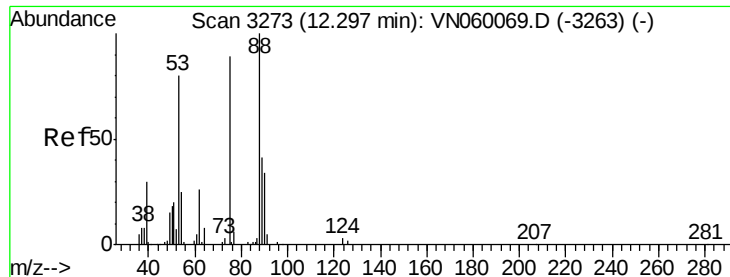
105 100

120 47.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060101.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.224 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

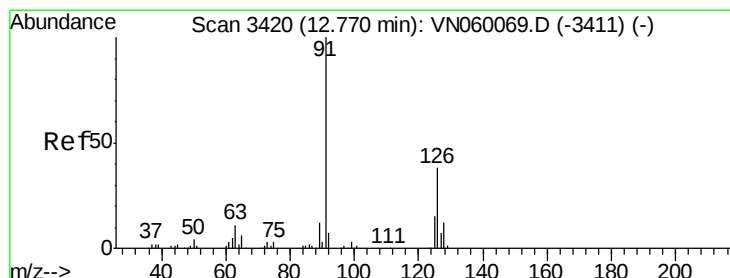
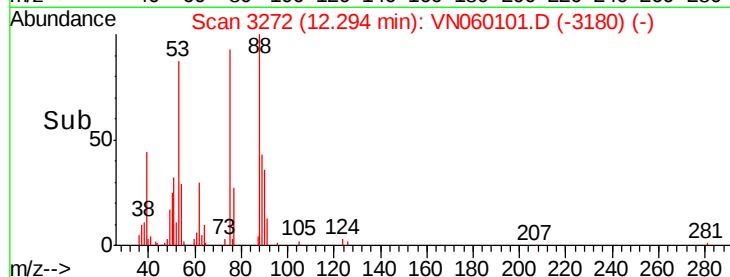
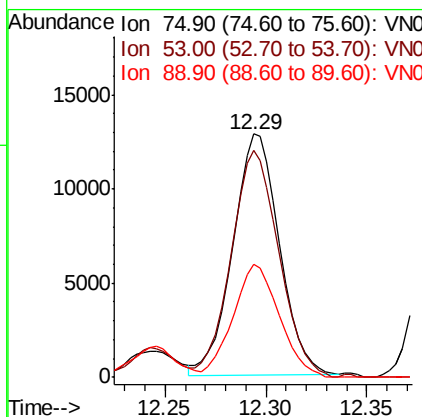
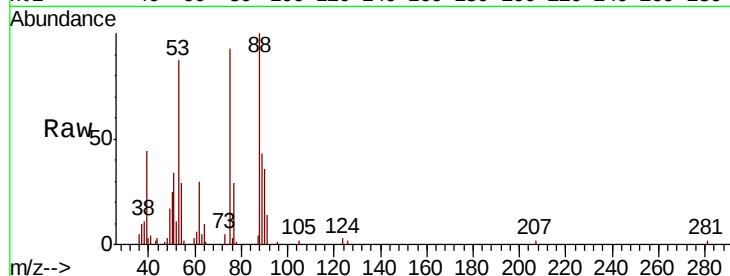
ClientSampleId :

VN0214WBS01

Tot Ion:	75	Resp:	20708
Ion	Ratio	Lower	Upper
75	100		
53	96.9	73.9	110.9
89	46.4	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.291 ug/l

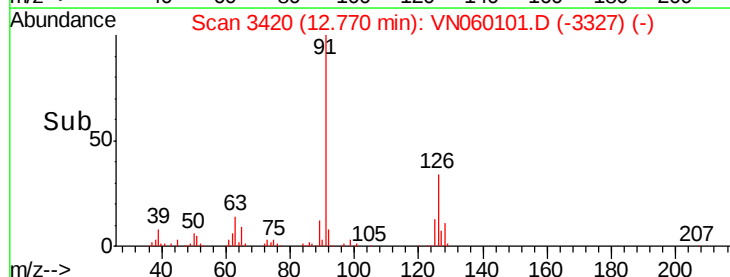
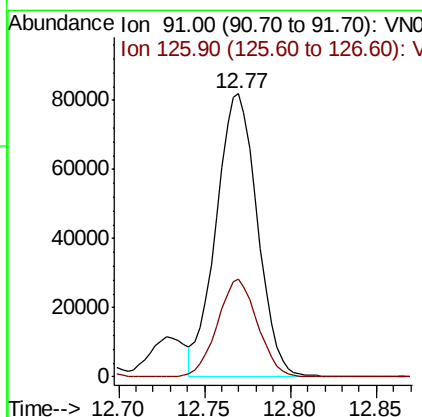
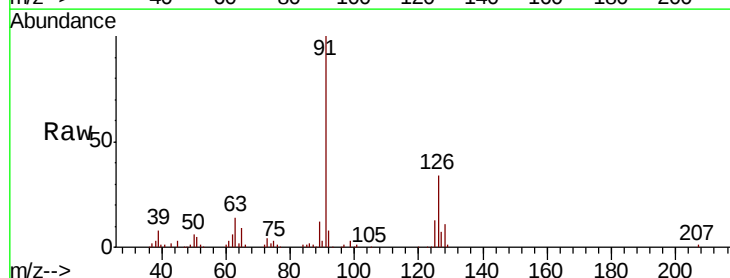
RT: 12.77 min Scan# 3420

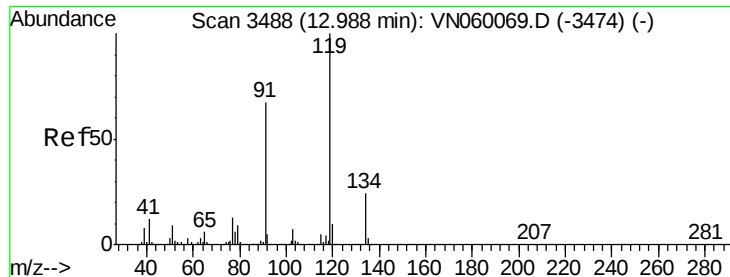
Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Tgt Ion:	91	Resp:	136443
Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.1	51.3





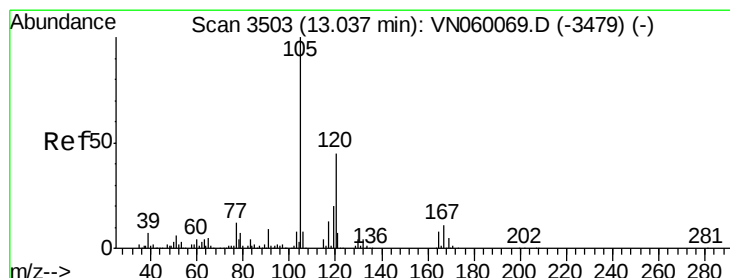
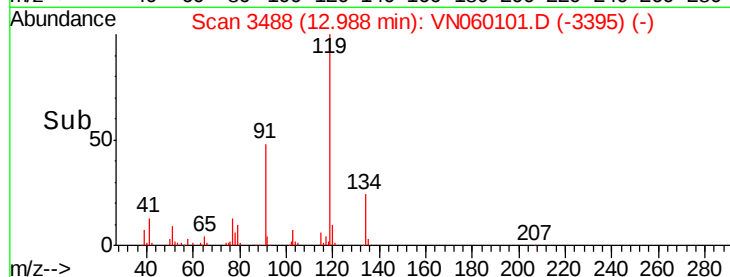
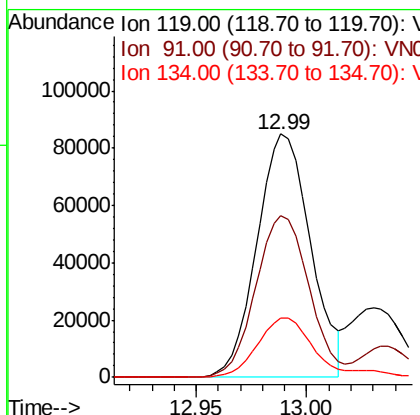
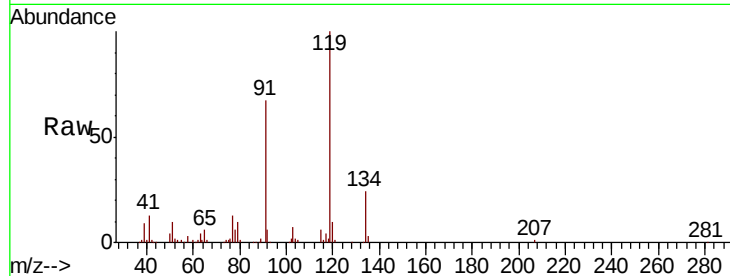
#83
tert-Butylbenzene
Concen: 18.908 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	32.7	98.1
134	26.6	12.9	38.7

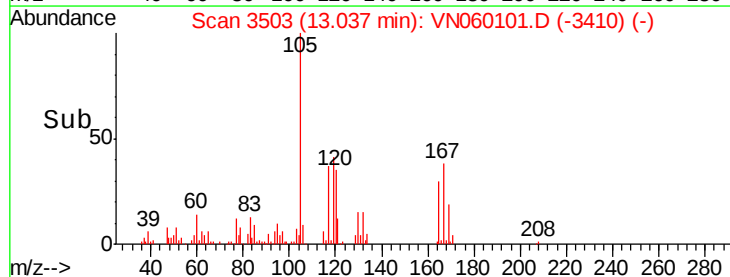
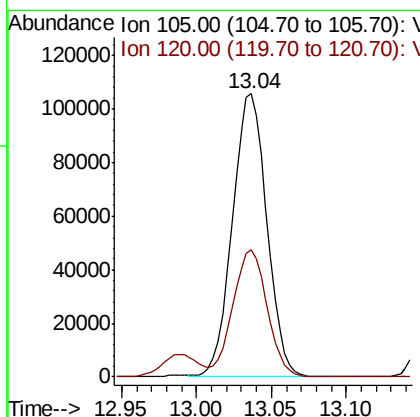
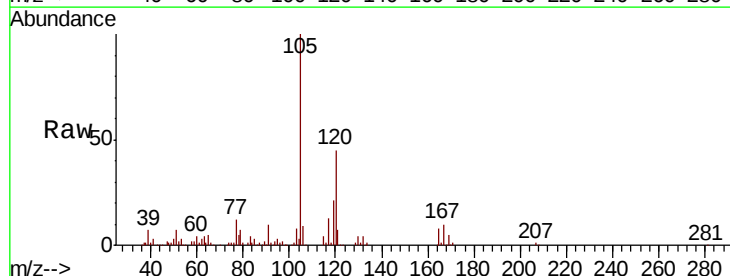
Manual Integrations
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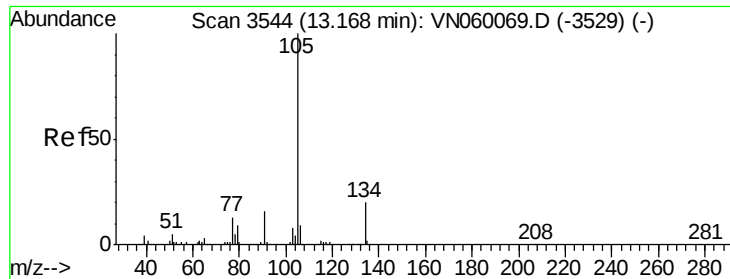
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.039 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.3





#85

sec-Butylbenzene

Concen: 19.409 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

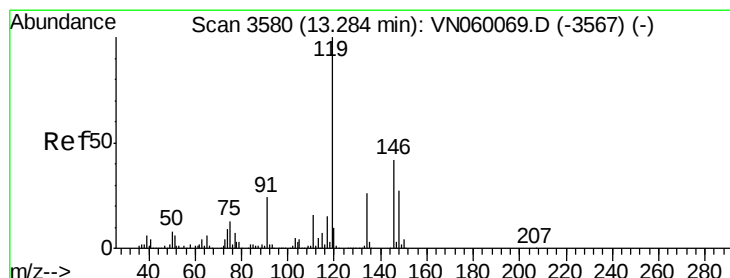
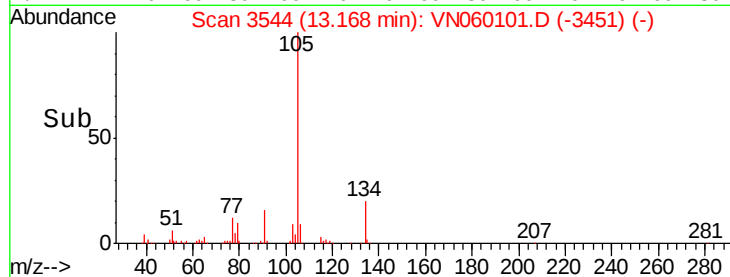
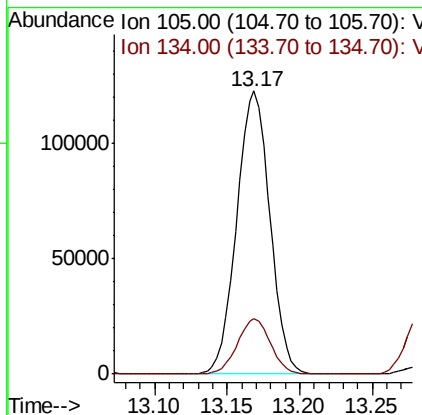
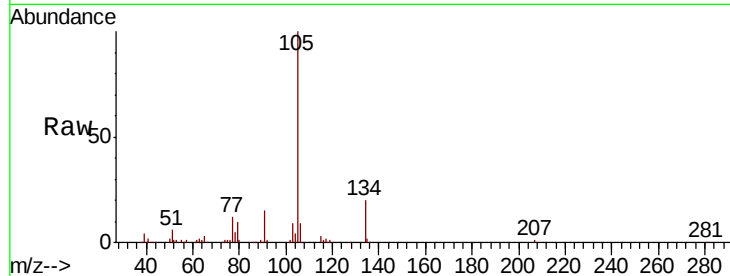
ClientSampleId :

VN0214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	194633		
134	19.4	9.9	29.7	

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.295 ug/l

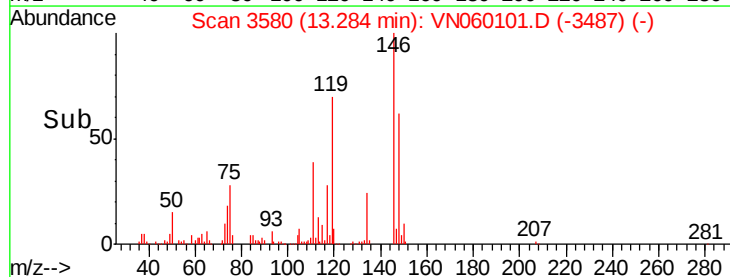
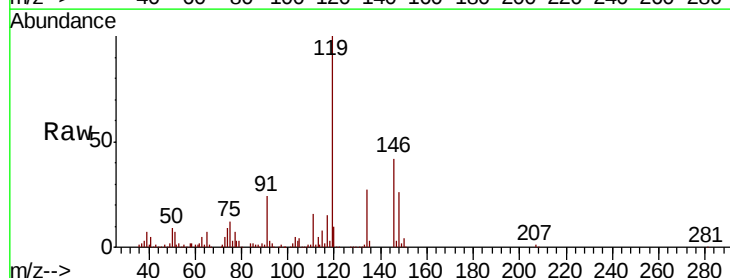
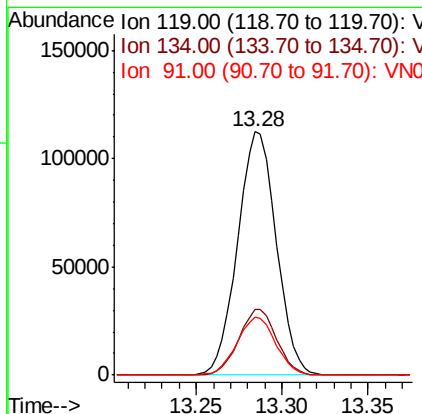
RT: 13.28 min Scan# 3580

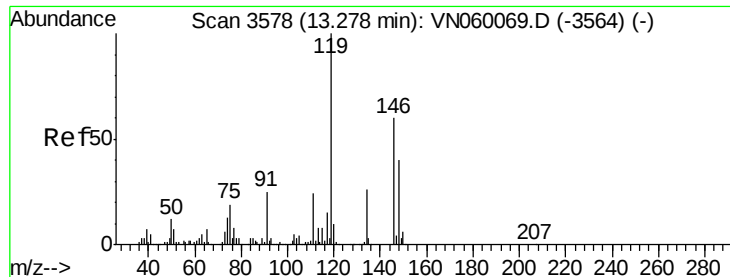
Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	175302		
134	26.5	13.3	39.8	
91	23.8	11.9	35.9	





#87

1,3-Dichlorobenzene

Concen: 19.266 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

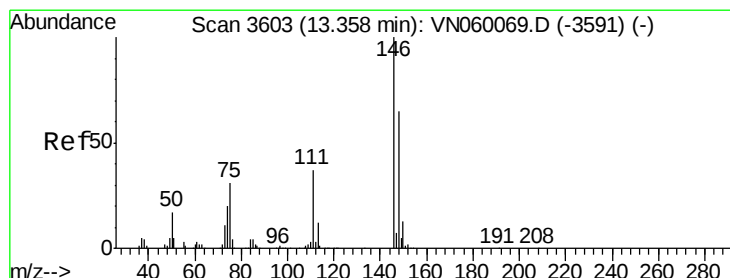
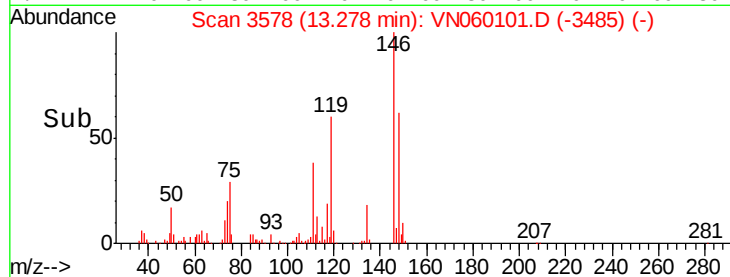
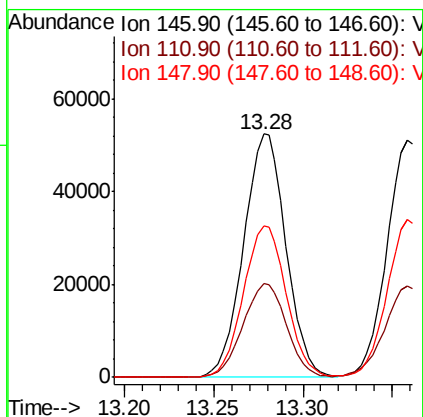
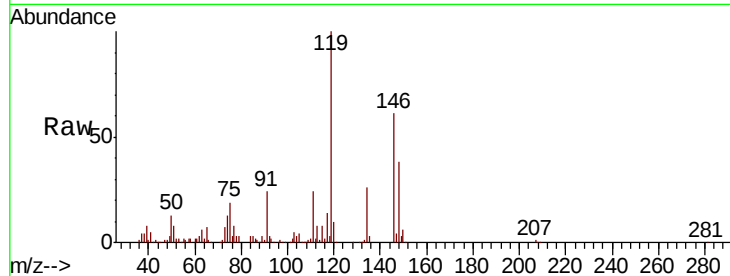
ClientSampleId :

VN0214WBS01

Tot Ion:	146	Resp:	87128
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.8	59.3
148	63.0	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.043 ug/l

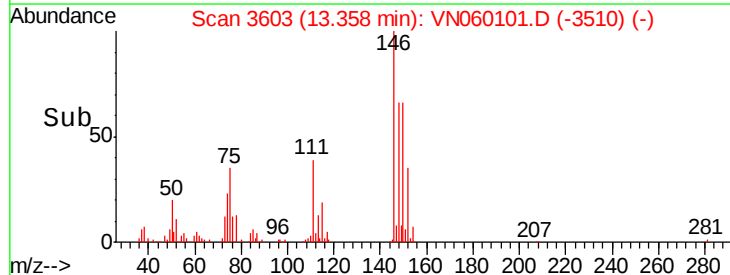
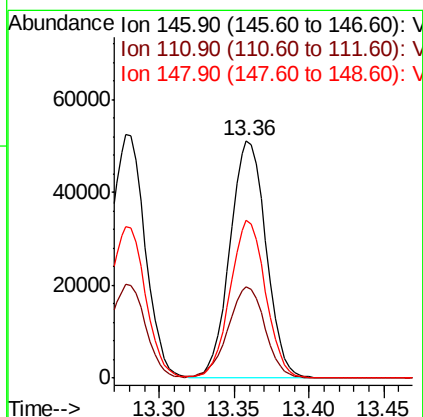
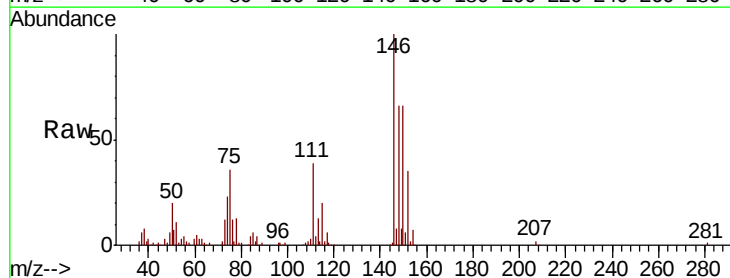
RT: 13.36 min Scan# 3603

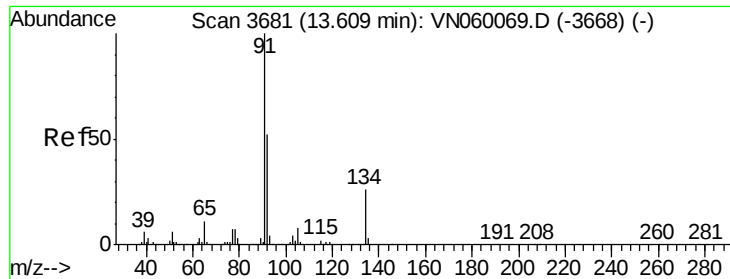
Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Tgt Ion:	146	Resp:	86102
Ion Ratio	Lower	Upper	
146	100		
111	39.7	18.9	56.5
148	65.3	32.0	96.0





#89

n-Butylbenzene

Concen: 19.597 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

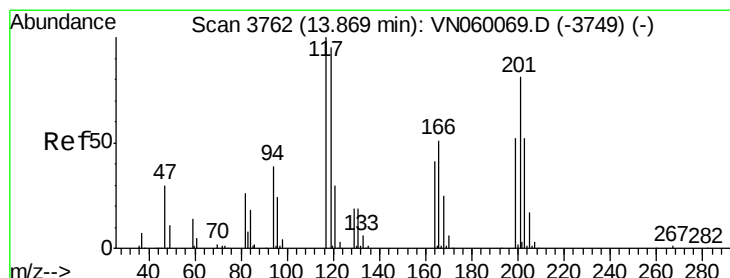
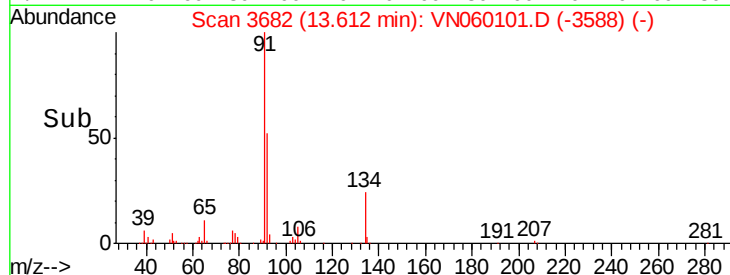
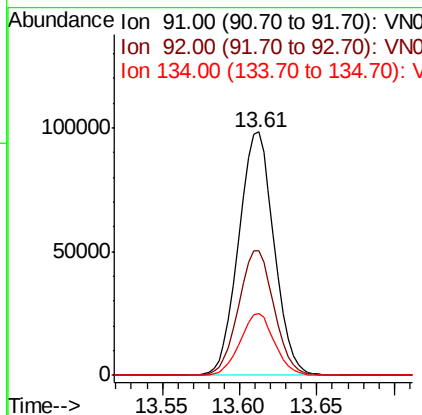
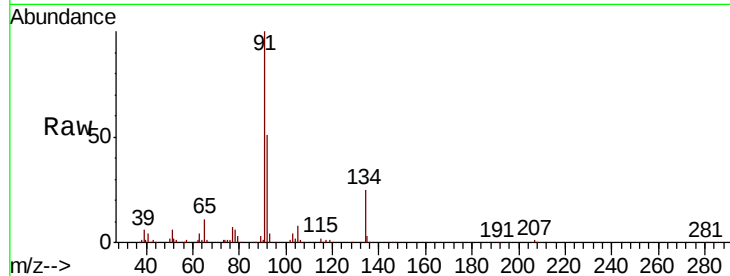
ClientSampleId :

VN0214WBS01

Tot Ion:	91	Resp:	156605
Ion Ratio	Lower	Upper	
91	100		
92	51.5	26.1	78.2
134	24.9	13.1	39.3

Manual Integrations
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#90

Hexachloroethane

Concen: 19.205 ug/l

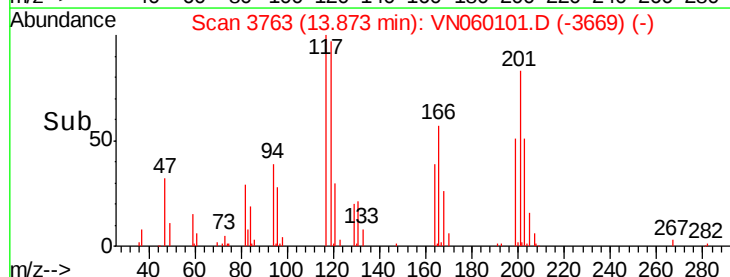
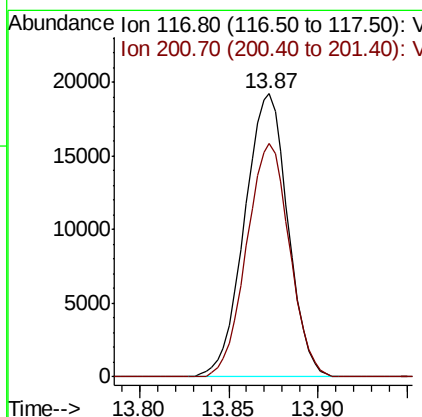
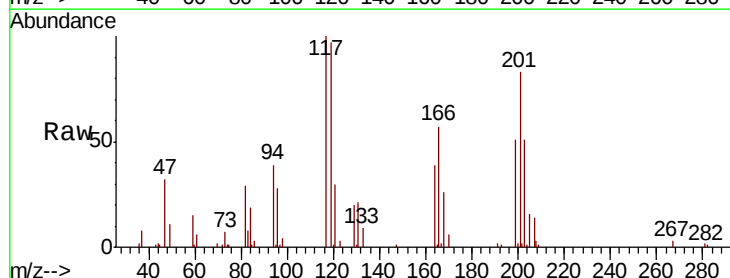
RT: 13.87 min Scan# 3763

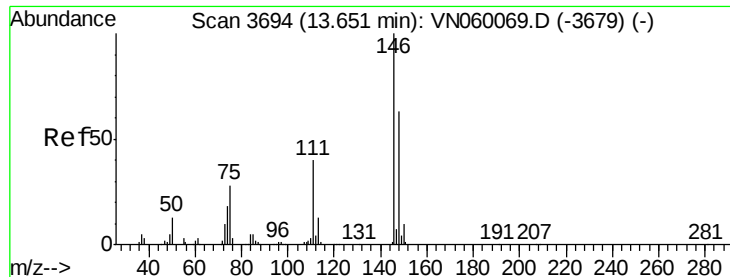
Delta R.T. 0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Tgt Ion:	117	Resp:	32597
Ion Ratio	Lower	Upper	
117	100		
201	81.9	41.7	125.1





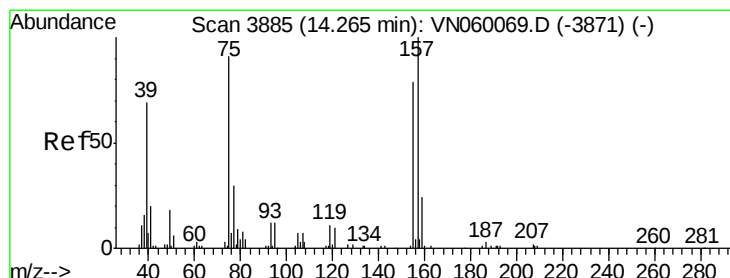
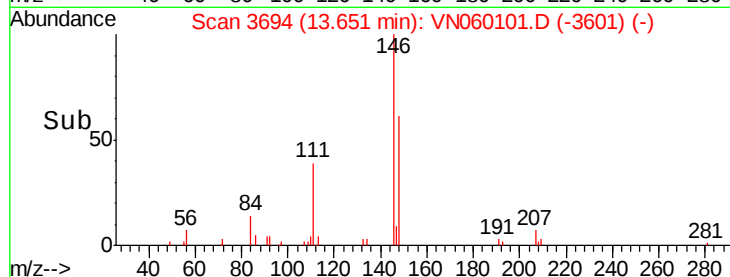
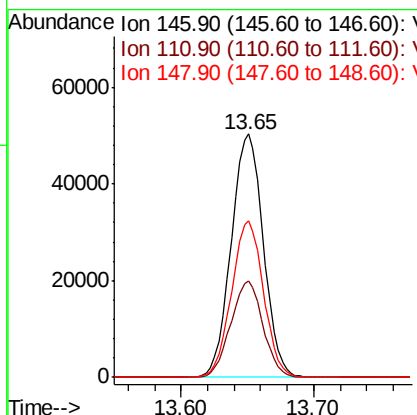
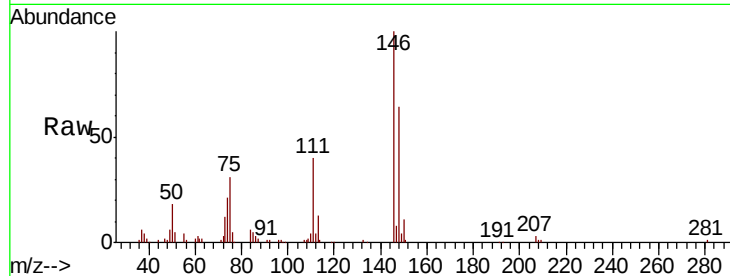
#91
 1,2-Dichlorobenzene
 Concen: 19.150 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.1	60.2
148	63.7	31.9	95.5

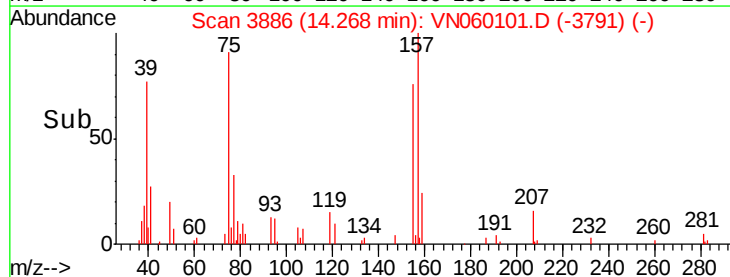
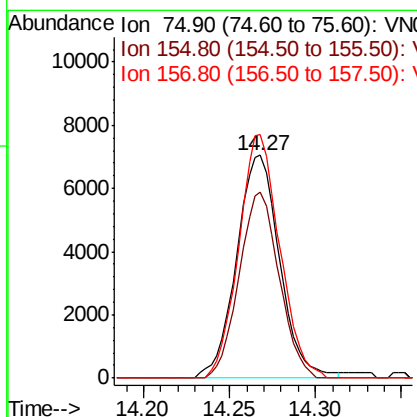
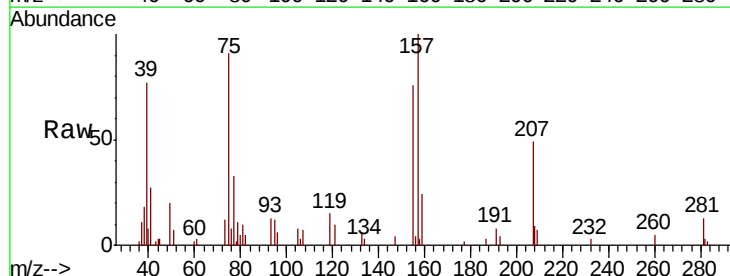
Manual Integrations
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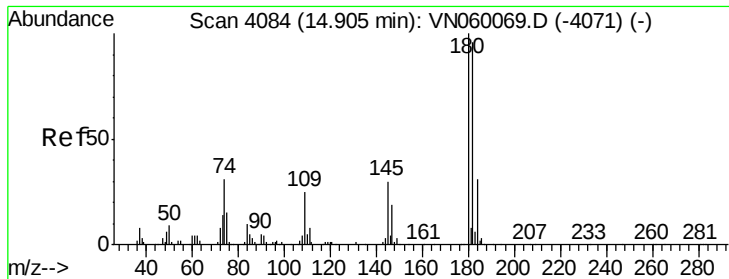
MMDadoda
 2/18/2020 9:30:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.003 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	43.0	129.0
157	103.5	54.9	164.5





#93

1,2,4-Trichlorobenzene

Concen: 18.963 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

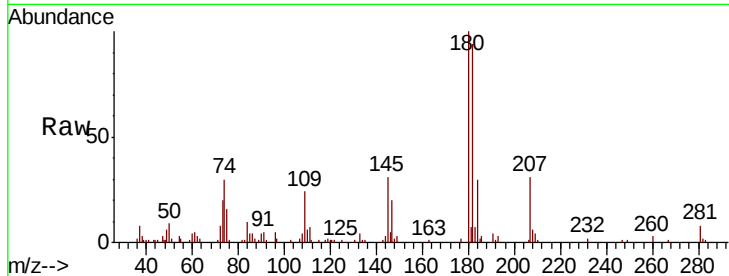
ClientSampleId :

VN0214WBS01

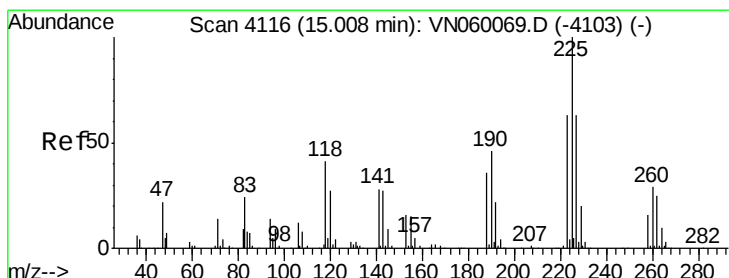
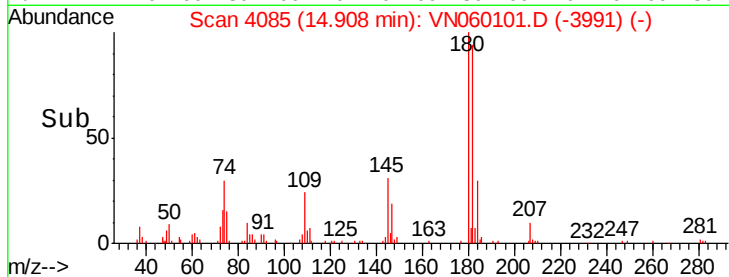
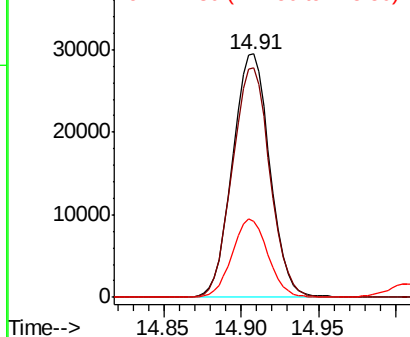
Tot Ion:	180	Resp:	49311
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.8
145	30.8	15.2	45.5

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.486 ug/l

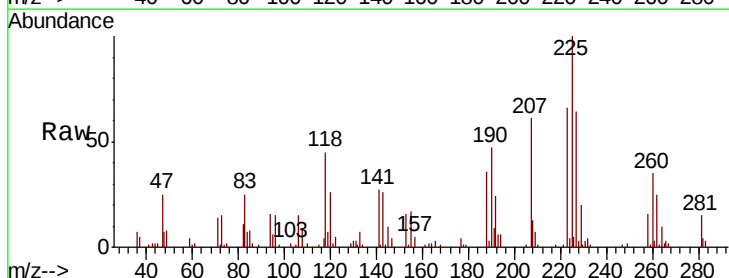
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

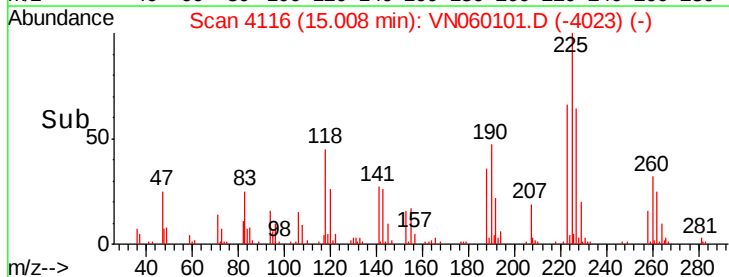
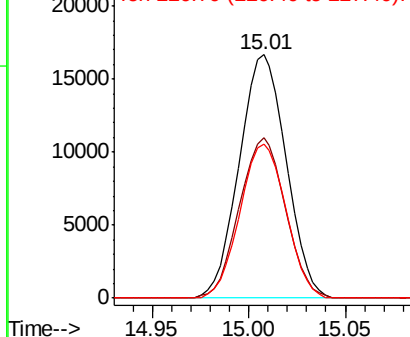
Lab File: VN060101.D

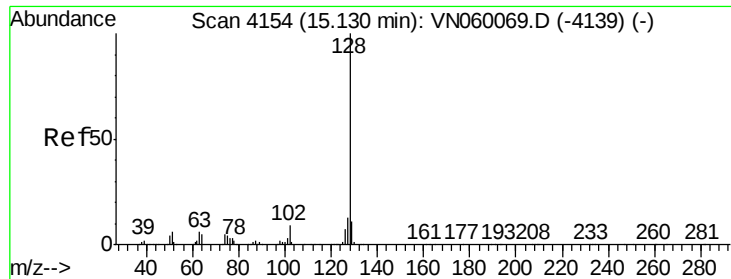
Acq: 14 Feb 2020 11:06

Tgt Ion:	225	Resp:	28142
Ion Ratio	Lower	Upper	
225	100		
223	64.6	31.5	94.5
227	62.0	31.8	95.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





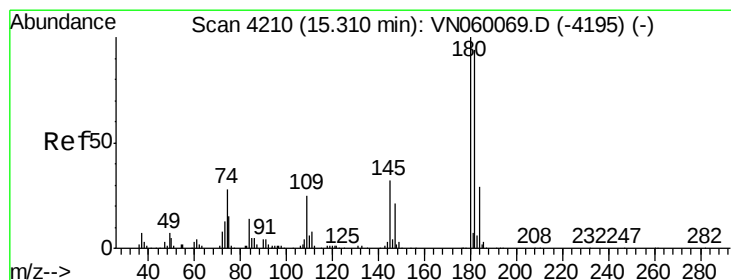
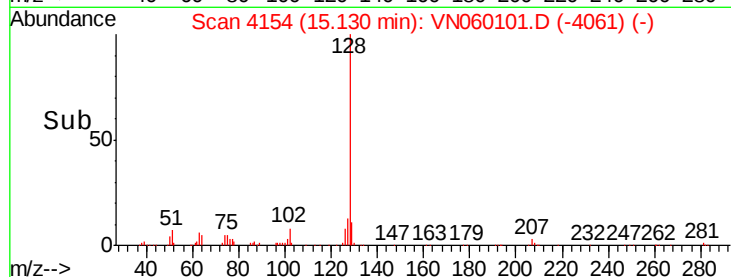
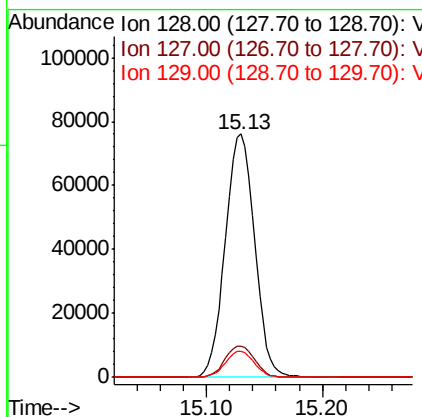
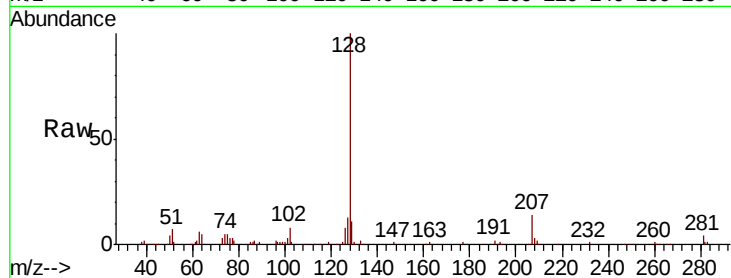
#95
Naphthalene
Concen: 18.971 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.5	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 19.026 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.5	142.5
145	31.4	16.1	48.3

