

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060086.D
 Acq On : 13 Feb 2020 11:57
 Operator : JC/MD
 Sample : VN0213WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 10:27:51 AM

Quant Time: Feb 14 05:30:16 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	198383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	314048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	121853	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.56	113	95664	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
50) Toluene-d8	10.08	98	371650	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	135191	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37306	18.813	ug/l	99
3) Chloromethane	2.04	50	43042	18.240	ug/l	97
4) Vinyl Chloride	2.17	62	48415	18.000	ug/l	98
5) Bromomethane	2.55	94	29673	17.991	ug/l	99
6) Chloroethane	2.69	64	24714	18.166	ug/l	98
7) Trichlorofluoromethane	3.00	101	61668	17.782	ug/l	99
8) Diethyl Ether	3.38	74	21860	18.936	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34586	17.963	ug/l	98
10) Methyl Iodide	3.93	142	45105	19.053	ug/l	98
11) Tert butyl alcohol	4.73	59	34637	95.884	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	34125	18.194	ug/l	98
13) Acrolein	3.58	56	23371	65.453	ug/l	97
14) Allyl chloride	4.29	41	54060	19.582	ug/l	91
15) Acrylonitrile	4.94	53	87088	98.717	ug/l	97
16) Acetone	3.78	43	89008	84.531	ug/l	100
17) Carbon Disulfide	4.03	76	100944	17.855	ug/l	100
18) Methyl Acetate	4.29	43	38524	19.476	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	119115	18.884	ug/l	99
20) Methylene Chloride	4.52	84	38885	18.510	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	37364	18.275	ug/l	98
22) Diisopropyl ether	5.91	45	112738	18.634	ug/l	99
23) Vinyl Acetate	5.86	43	482846	95.034	ug/l	98
24) 1,1-Dichloroethane	5.81	63	66768	18.217	ug/l	100
25) 2-Butanone	6.80	43	122789	92.720	ug/l	100
26) 2,2-Dichloropropane	6.80	77	61839	17.764	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	42771	17.875	ug/l	97
28) Bromochloromethane	7.17	49	28703	19.920	ug/l	99
29) Tetrahydrofuran	7.18	42	77749	95.700	ug/l	99
30) Chloroform	7.35	83	70701	18.415	ug/l	100
31) Cyclohexane	7.63	56	62080	18.183	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	63135	17.995	ug/l	100
36) 1,1-Dichloropropene	7.77	75	51681	17.767	ug/l	100
37) Ethyl Acetate	6.90	43	51517	19.596	ug/l	97
38) Carbon Tetrachloride	7.75	117	55536	17.580	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	64756	17.934	ug/l	97
40) Benzene	8.02	78	155211	17.988	ug/l	100
41) Methacrylonitrile	7.15	41	22166m	20.105	ug/l	
42) 1,2-Dichloroethane	8.10	62	56865	18.803	ug/l	100
43) Isopropyl Acetate	8.14	43	85459	19.017	ug/l	99
44) Trichloroethene	8.82	130	43082	18.032	ug/l	96
45) 1,2-Dichloropropane	9.10	63	40102	18.772	ug/l	99
46) Dibromomethane	9.19	93	28584	18.934	ug/l	99
47) Bromodichloromethane	9.38	83	56186	18.306	ug/l	99
48) Methyl methacrylate	9.18	41	36265	17.986	ug/l	99
49) 1,4-Dioxane	9.18	88	14358	416.778	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	244446	93.976	ug/l	99
52) Toluene	10.14	92	100087	18.088	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64355	18.576	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	68002	18.641	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	40097	18.575	ug/l	99
56) Ethyl methacrylate	10.42	69	57507	18.832	ug/l	100
57) 1,3-Dichloropropane	10.70	76	66870	18.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	136753	96.126	ug/l	99
59) 2-Hexanone	10.74	43	184571	91.857	ug/l	100
60) Dibromochloromethane	10.89	129	44895	18.123	ug/l	97
61) 1,2-Dibromoethane	10.99	107	42605	18.827	ug/l	98
64) Tetrachloroethene	10.62	164	38203	17.173	ug/l	99
65) Chlorobenzene	11.43	112	107492	18.030	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	41327	18.324	ug/l	100
67) Ethyl Benzene	11.50	91	196008	18.228	ug/l	99
68) m/p-Xylenes	11.62	106	144636	35.839	ug/l	100
69) o-Xylene	11.94	106	68844	17.717	ug/l	97
70) Styrene	11.96	104	111612	17.812	ug/l	100
71) Bromoform	12.12	173	32765	18.062	ug/l #	97
73) Isopropylbenzene	12.25	105	186965	17.937	ug/l	100
74) N-amyl acetate	12.07	43	71820	19.108	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	57920	19.305	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	51974m	19.462	ug/l	
77) Bromobenzene	12.52	156	47470	18.351	ug/l	98
78) n-propylbenzene	12.59	91	213533	17.981	ug/l	100
79) 2-Chlorotoluene	12.67	91	126207	18.081	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	158313	18.267	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20092	18.421	ug/l	99
82) 4-Chlorotoluene	12.77	91	130917	18.281	ug/l	99
83) tert-Butylbenzene	12.99	119	135184	17.633	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	157842	18.450	ug/l	99
85) sec-Butylbenzene	13.17	105	182246	17.949	ug/l	99
86) p-Isopropyltoluene	13.28	119	166430	18.092	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	85113	18.588	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	83830	18.311	ug/l	99
89) n-Butylbenzene	13.61	91	146020	18.046	ug/l	99
90) Hexachloroethane	13.87	117	30208	17.577	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82311	18.368	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12332	18.851	ug/l	93

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	50352	19.124	ug/l	98
94) Hexachlorobutadiene	15.01	225	27707	17.975	ug/l	100
95) Naphthalene	15.13	128	138871	19.525	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49900	19.031	ug/l	100

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

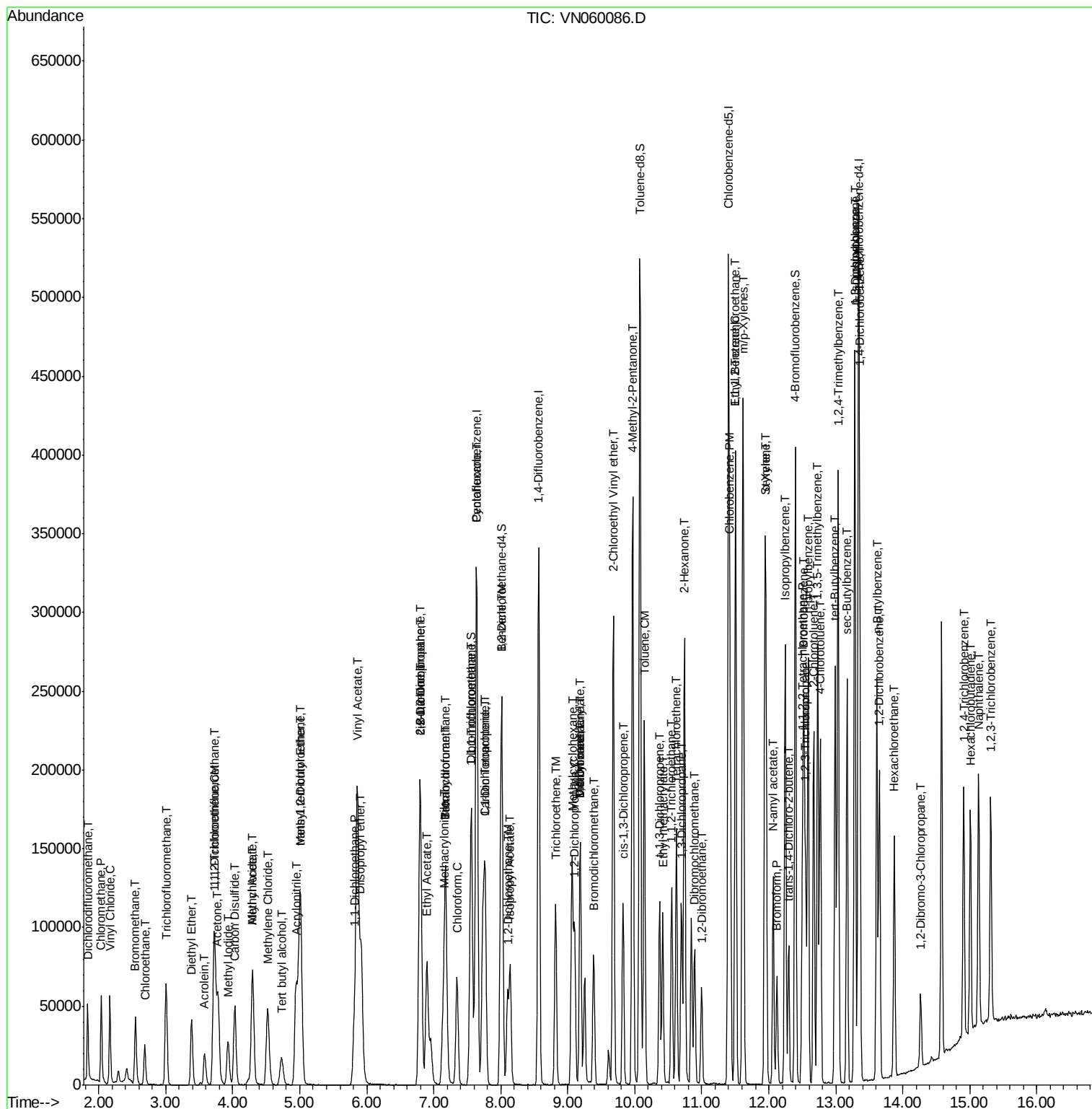
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Acq On : 13 Feb 2020 11:57
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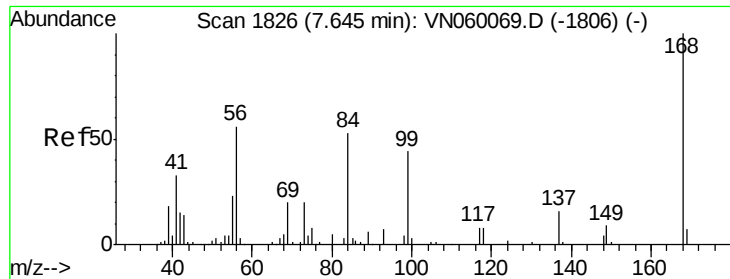
Instrument :
MSVOA_N
Client Sample Id :
VN0213WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion:168 Resp: 198383

Ion Ratio Lower Upper

168 100

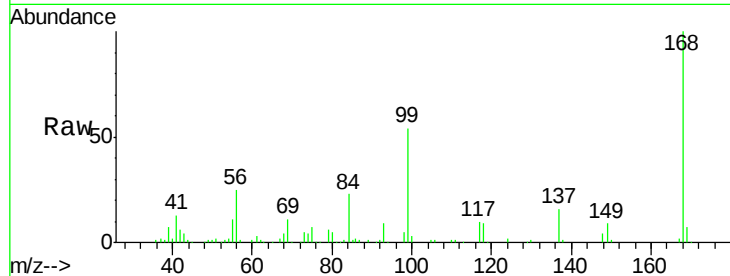
99 53.5 42.7 64.1

Manual Integrations

APPROVED

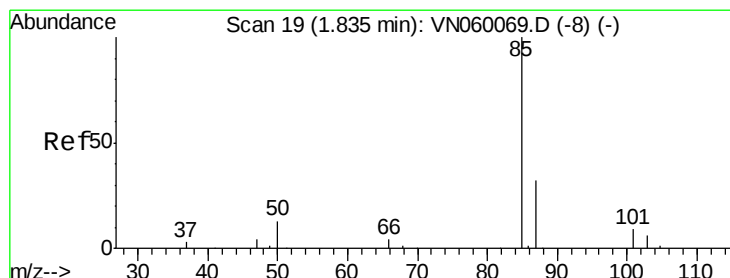
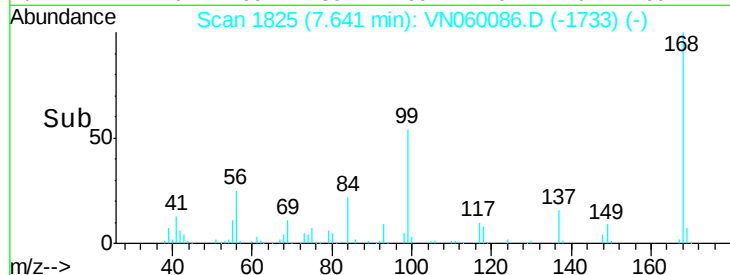
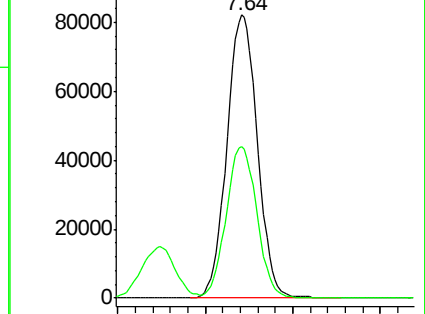
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.813 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060086.D

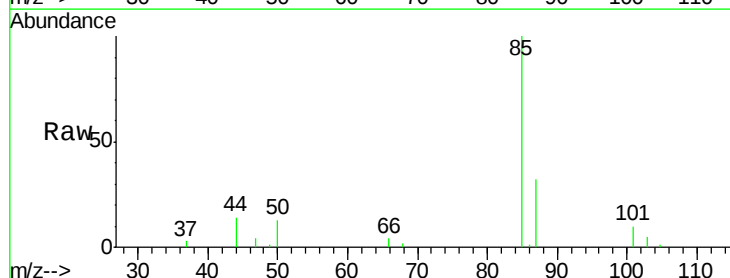
Acq: 13 Feb 2020 11:57

Tgt Ion: 85 Resp: 37306

Ion Ratio Lower Upper

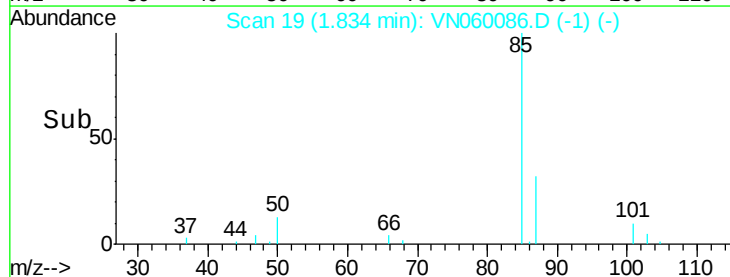
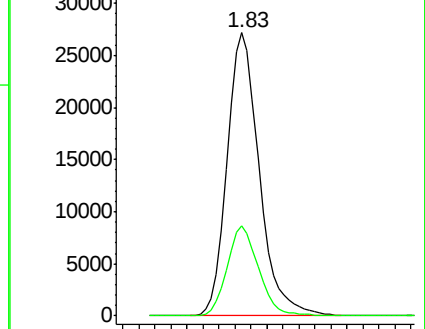
85 100

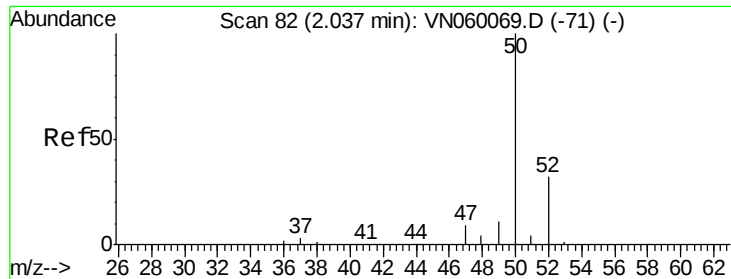
87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





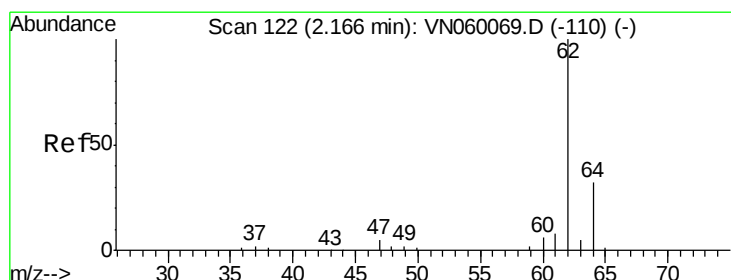
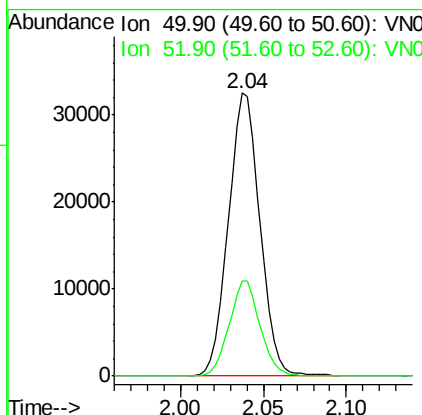
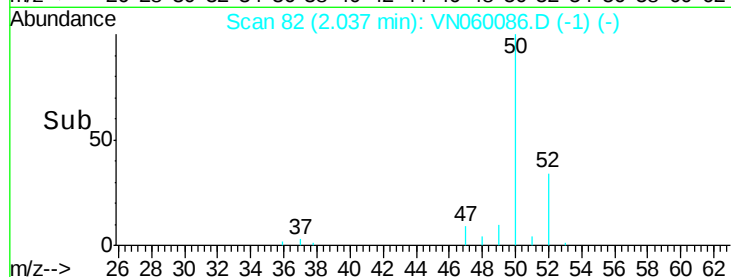
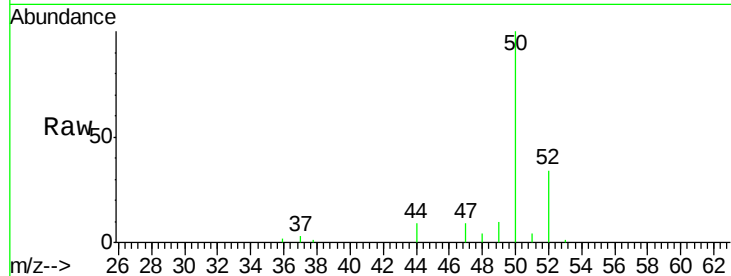
#3
Chloromethane
Concen: 18.240 ug/l
RT: 2.04 min Scan# 82
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion: 50 Resp: 43042
Ion Ratio Lower Upper
50 100
52 33.7 25.6 38.4

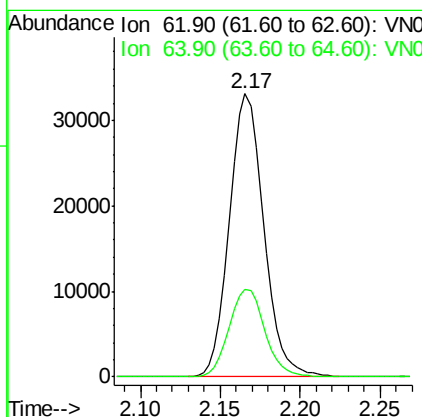
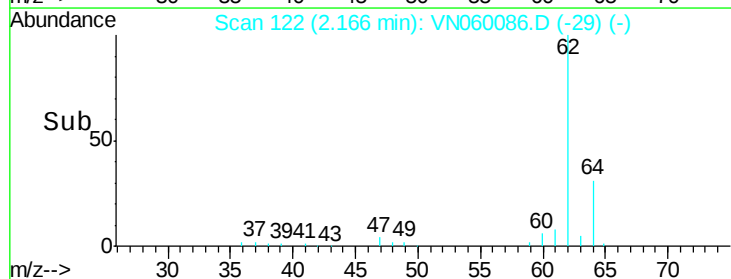
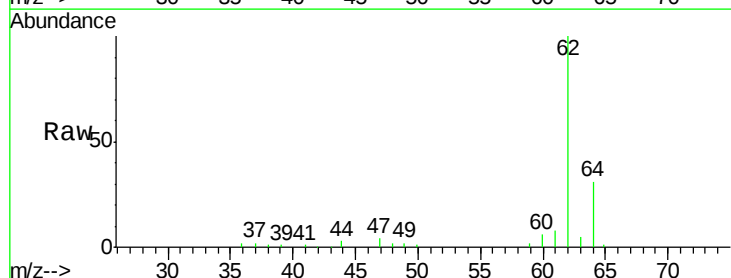
Manual Integrations
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#4
Vinyl Chloride
Concen: 18.000 ug/l
RT: 2.17 min Scan# 122
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion: 62 Resp: 48415
Ion Ratio Lower Upper
62 100
64 31.1 25.9 38.9





#5

Bromomethane

Concen: 17.991 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion: 94 Resp: 29673

Ion Ratio Lower Upper

94 100

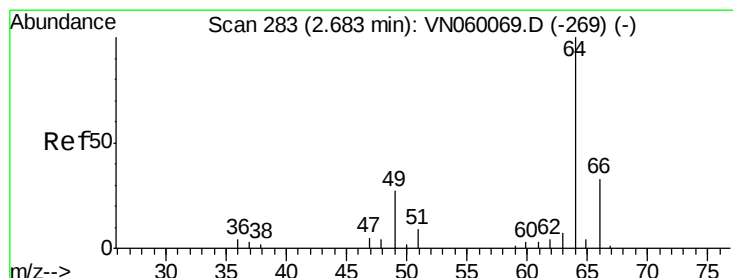
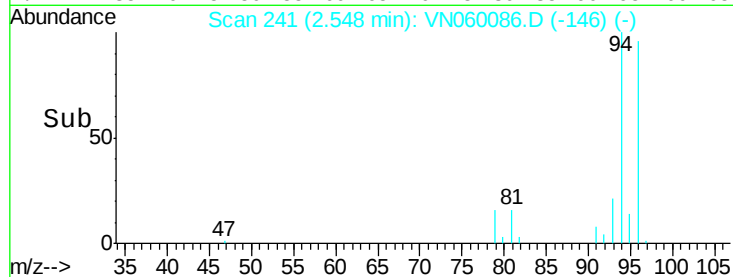
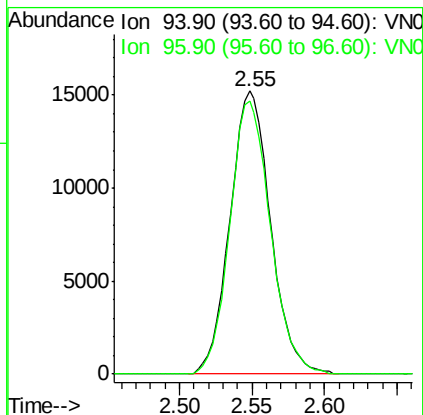
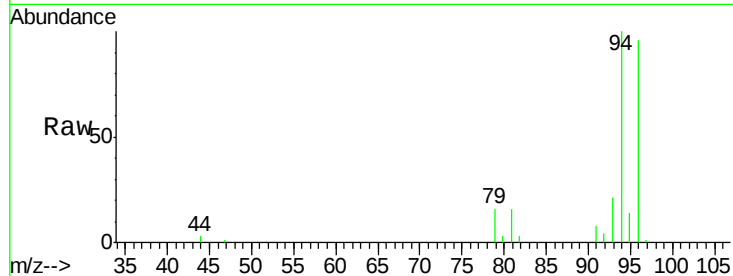
96 96.5 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 18.166 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060086.D

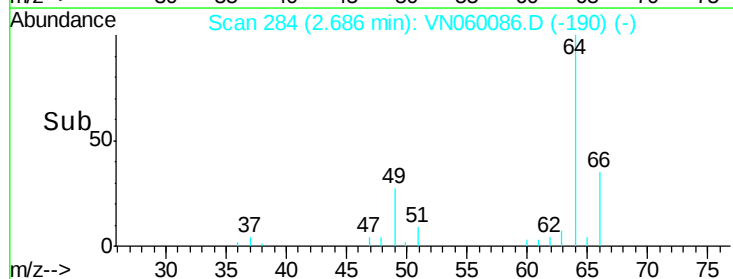
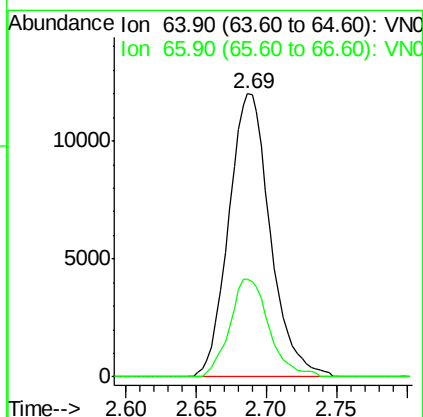
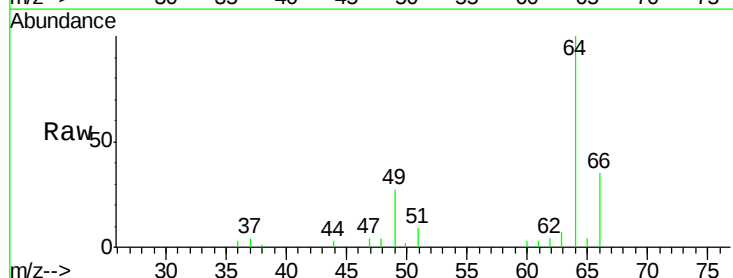
Acq: 13 Feb 2020 11:57

Tgt Ion: 64 Resp: 24714

Ion Ratio Lower Upper

64 100

66 34.7 26.6 40.0





#7

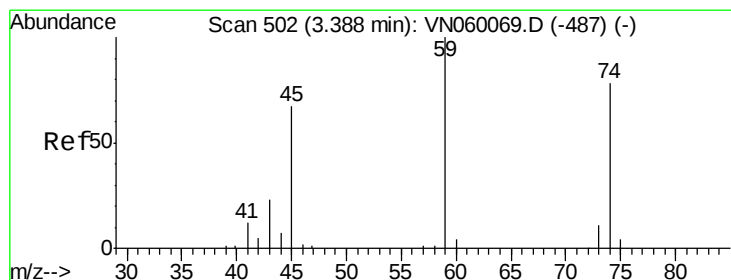
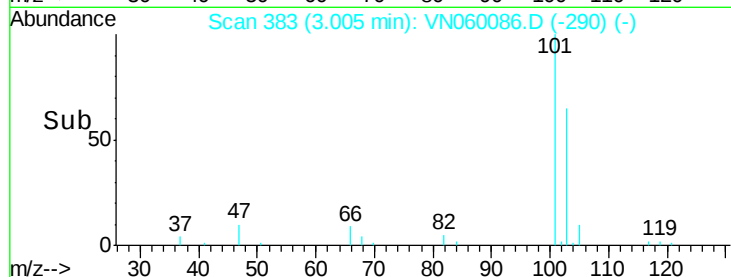
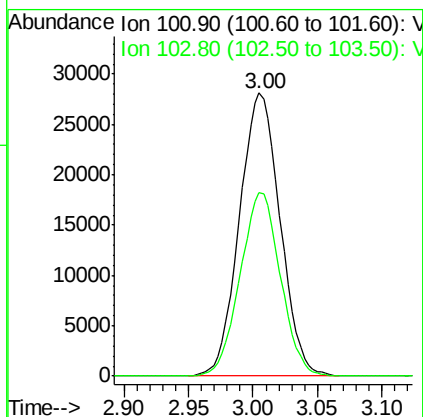
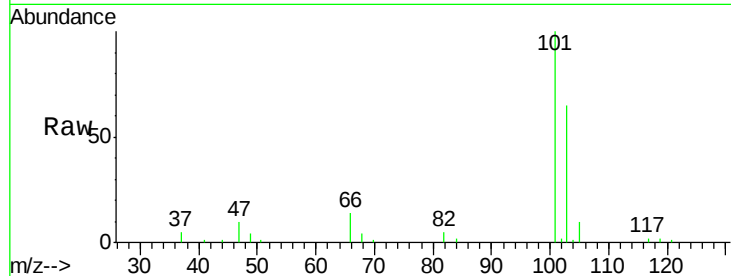
Trichlorofluoromethane
 Concen: 17.782 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Instrument :
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 ClientSampleId :
 VN0213WBSD01

Tot Ion:101 Resp: 61668
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.0 76.6

Manual Integrations
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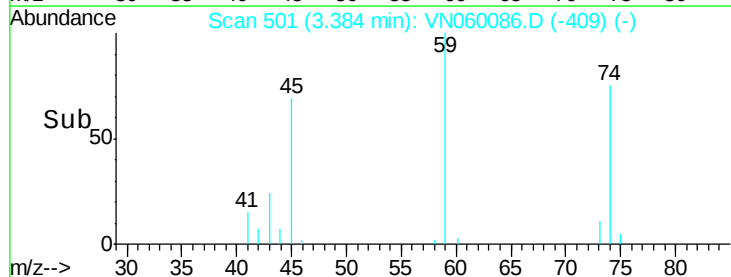
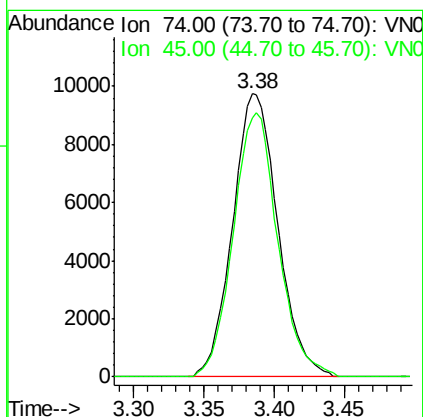
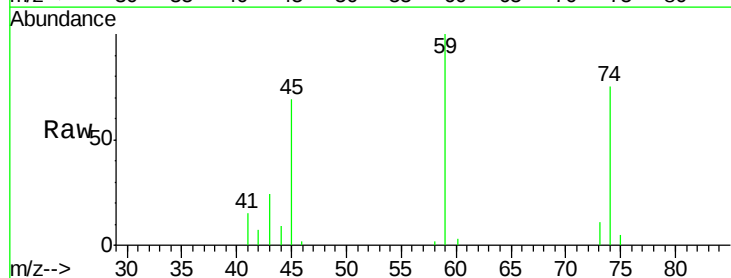
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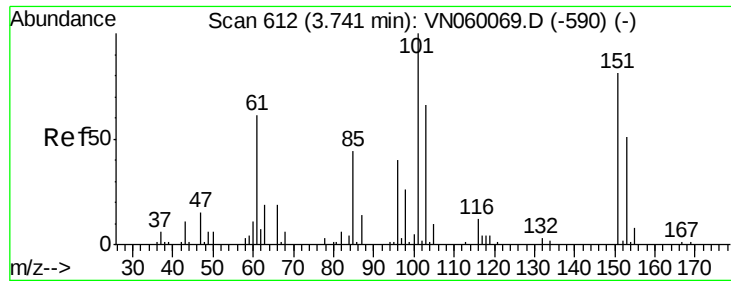


#8

Diethyl Ether
 Concen: 18.936 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Tgt Ion: 74 Resp: 21860
 Ion Ratio Lower Upper
 74 100
 45 92.2 44.7 134.1





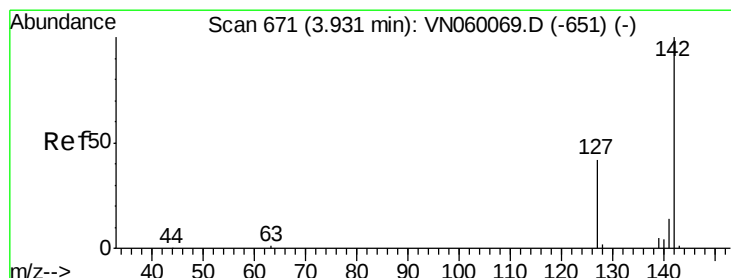
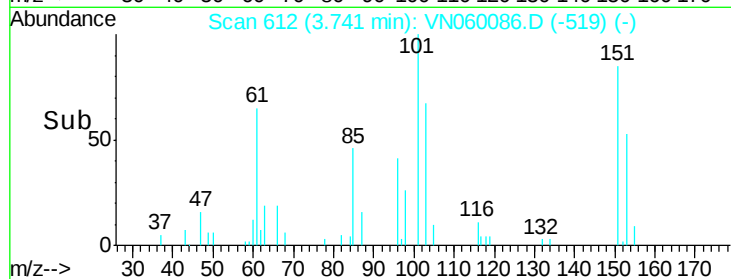
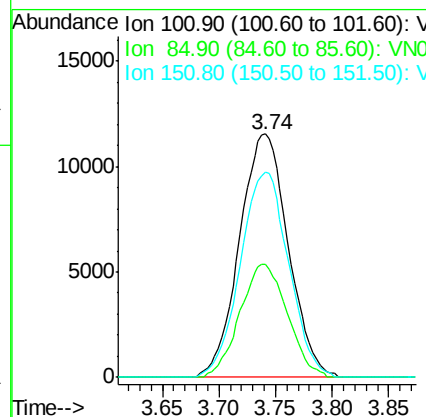
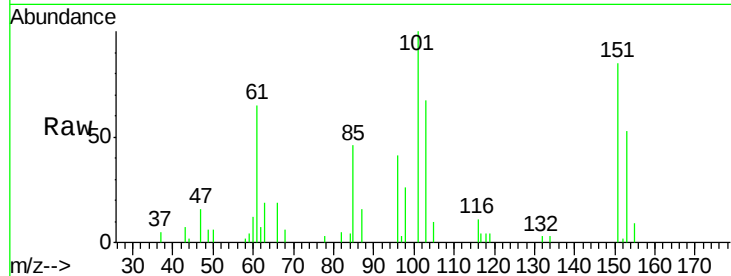
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.963 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.1	52.7
151	83.8	65.8	98.6

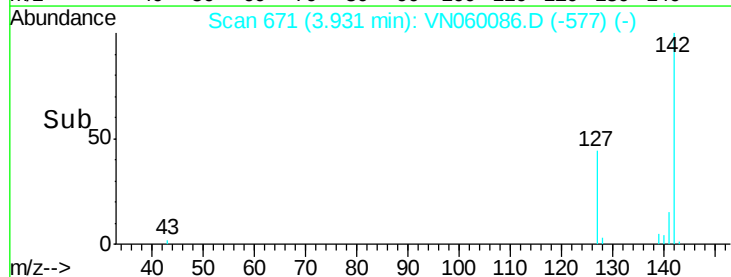
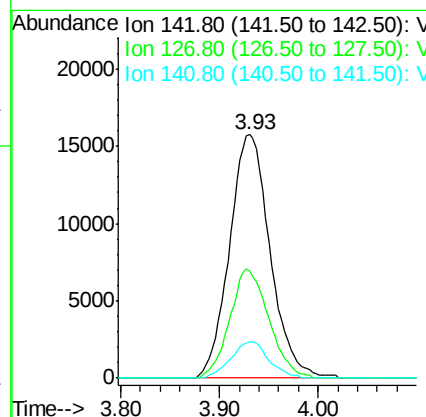
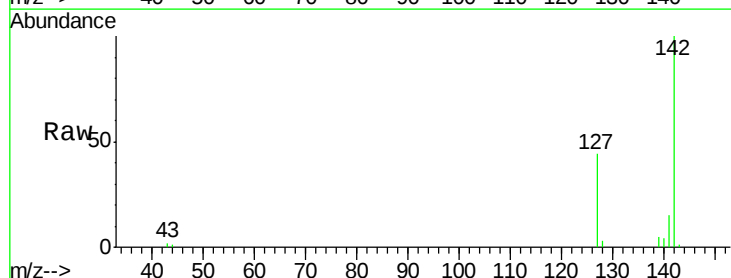
Manual Integrations
APPROVED

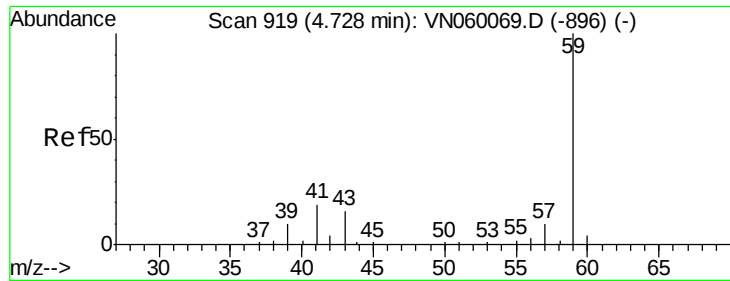
MMDadoda
2/14/2020 10:27:51 AM



#10
Methyl Iodide
Concen: 19.053 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.1	33.6	50.4
141	13.9	11.4	17.2





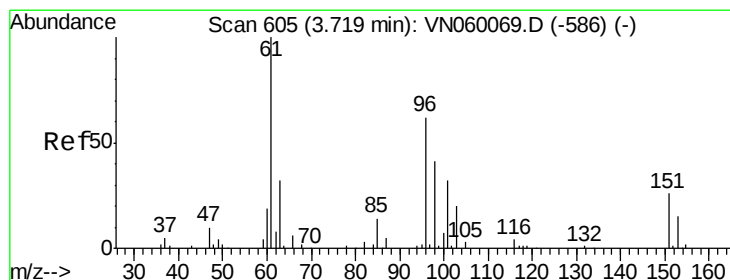
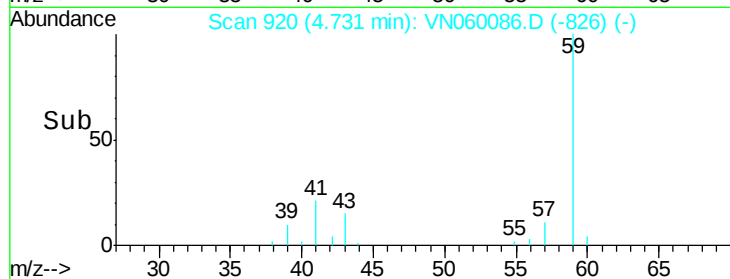
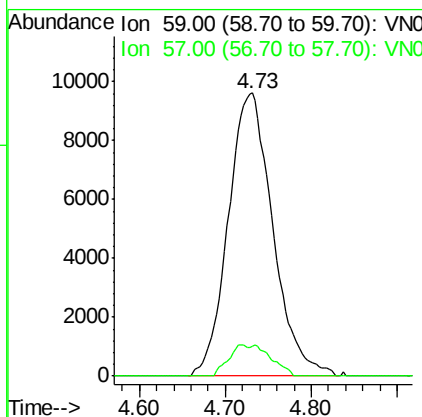
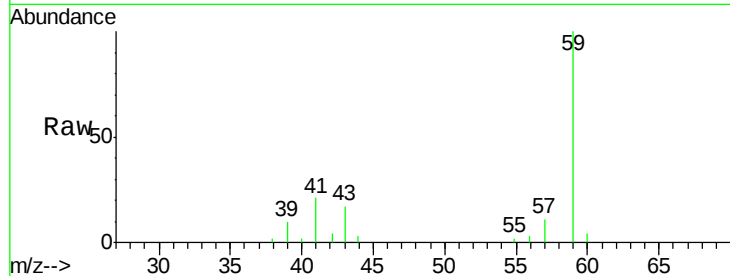
#11
Tert butyl alcohol
Concen: 95.884 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion: 59 Resp: 34637
Ion Ratio Lower Upper
59 100
57 5.2 8.2 12.4#

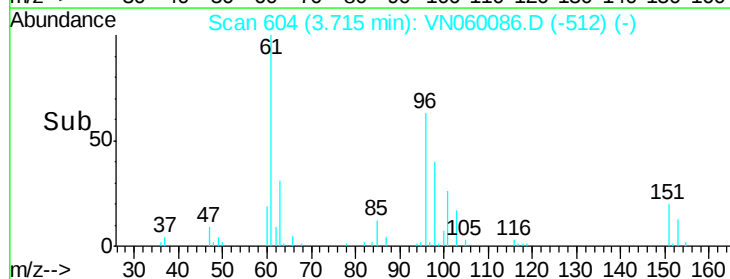
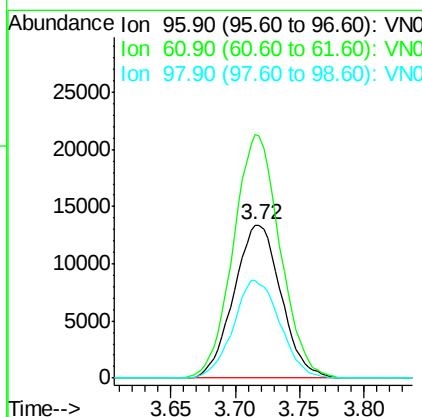
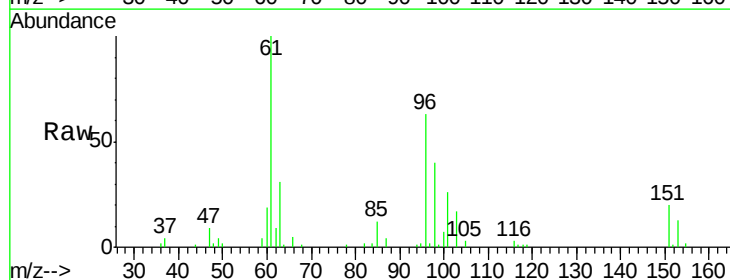
Manual Integrations
APPROVED

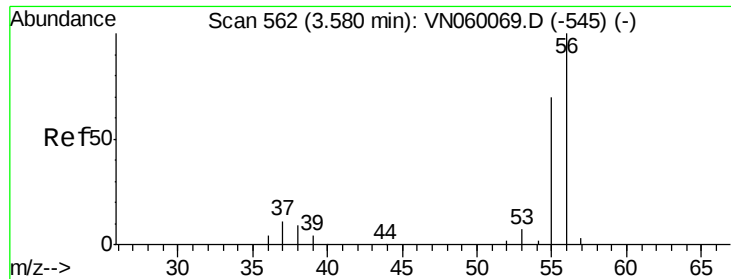
MMDadoda
2/14/2020 10:27:51 AM



#12
1,1-Dichloroethene
Concen: 18.194 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion: 96 Resp: 34125
Ion Ratio Lower Upper
96 100
61 158.8 128.3 192.5
98 63.4 52.2 78.4





#13

Acrolein

Concen: 65.453 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion: 56 Resp: 23371

Ion Ratio Lower Upper

56 100

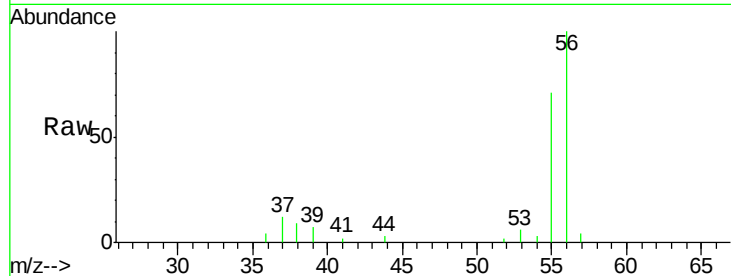
55 70.7 54.8 82.2

Manual Integrations

APPROVED

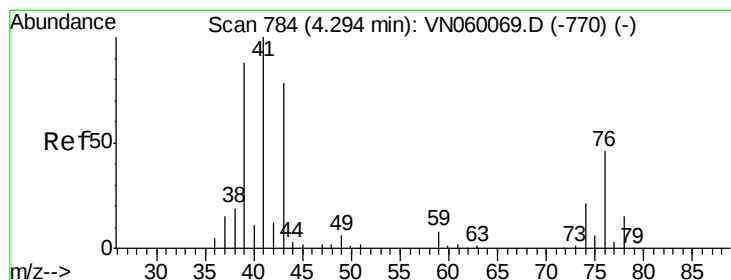
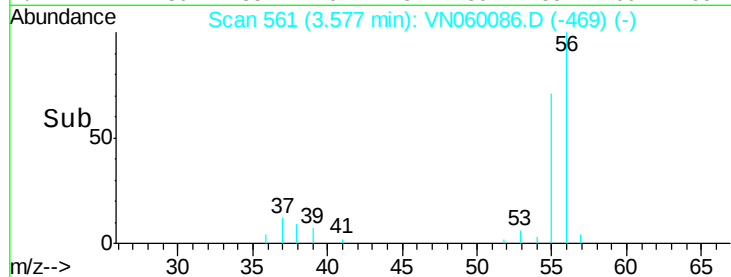
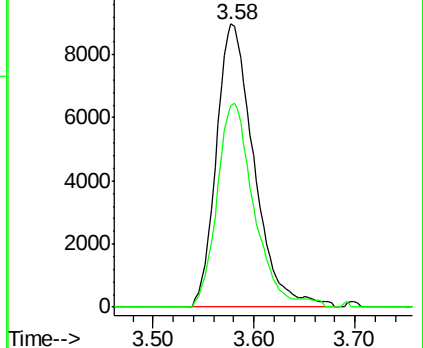
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.582 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

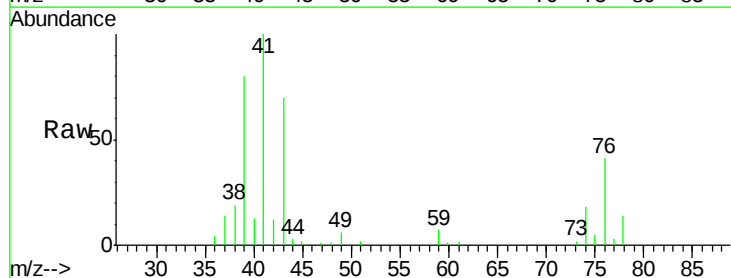
Tgt Ion: 41 Resp: 54060

Ion Ratio Lower Upper

41 100

39 75.3 67.8 101.8

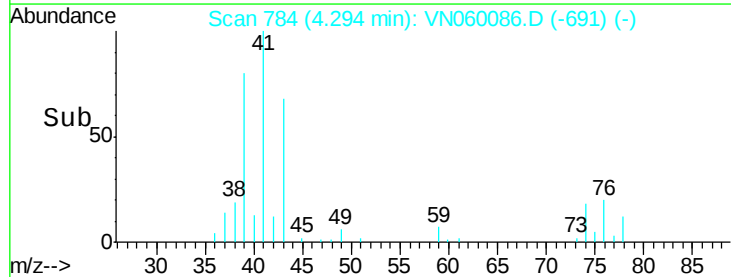
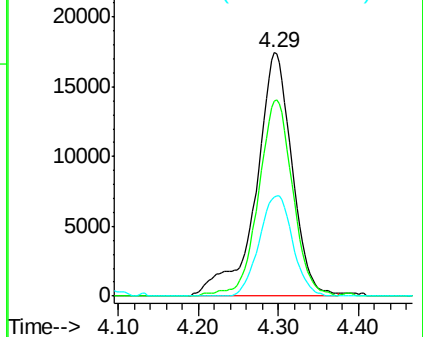
76 38.3 33.9 50.9

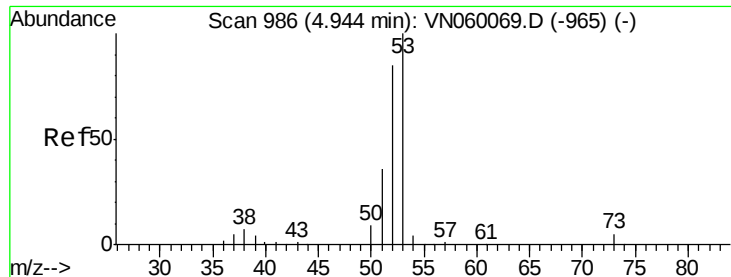


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.717 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Instrument :

MSVOA_N

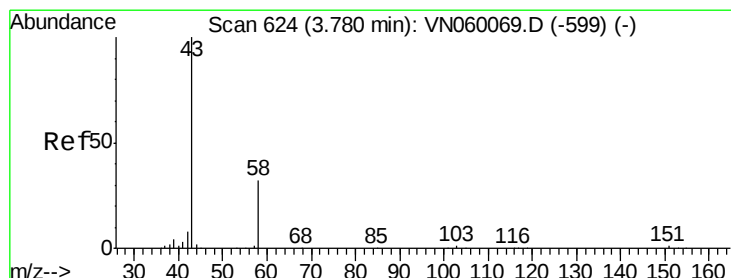
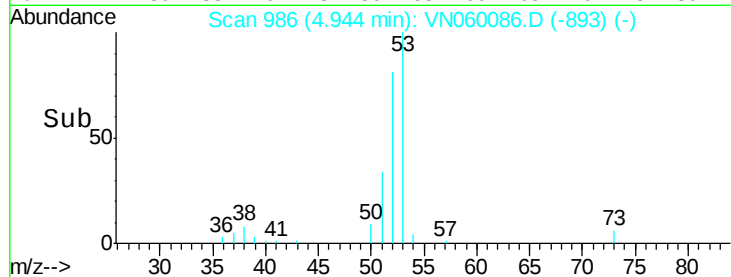
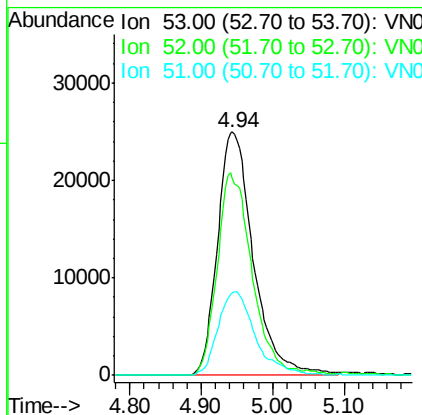
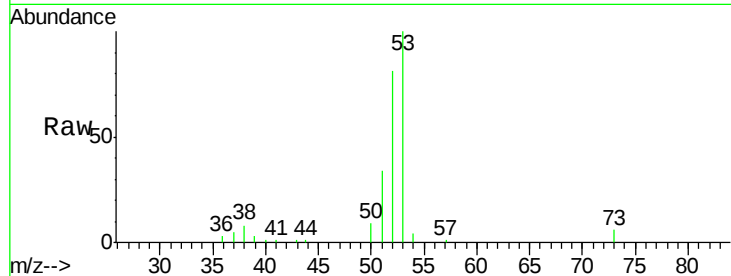
ClientSampleId :

VN0213WBSD01

Tot Ion:	53	Resp:	87088
Ion	Ratio	Lower	Upper
53	100		
52	80.1	66.8	100.2
51	35.7	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 84.531 ug/l

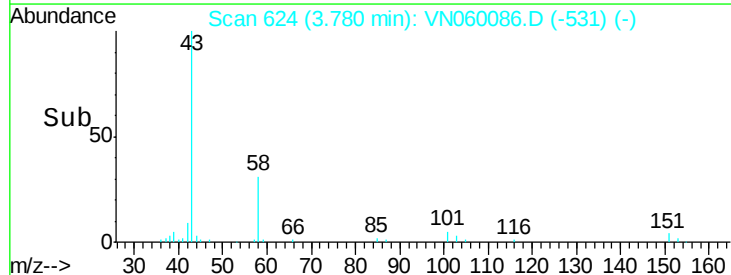
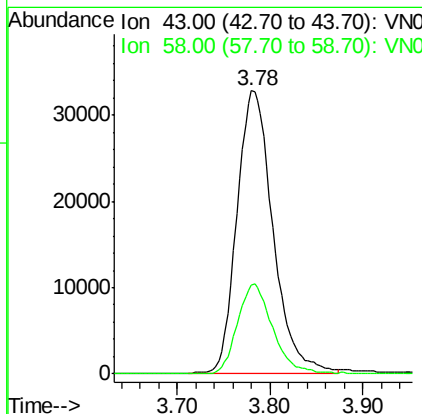
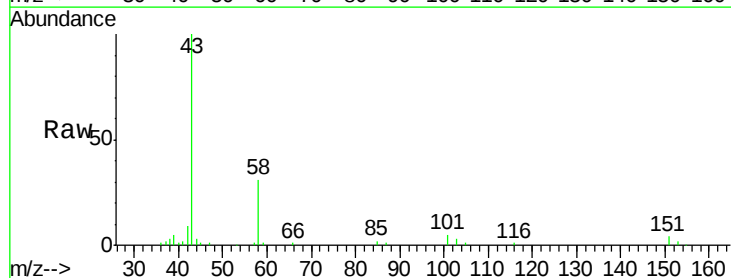
RT: 3.78 min Scan# 624

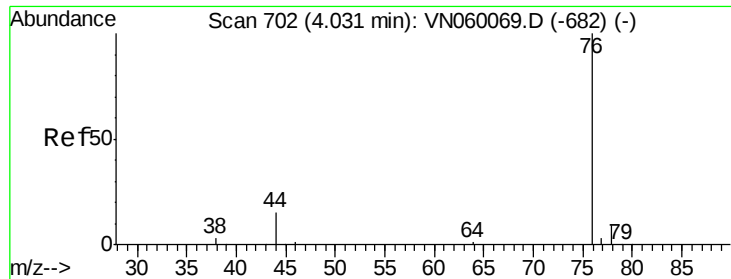
Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Tgt Ion:	43	Resp:	89008
Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.2	37.8





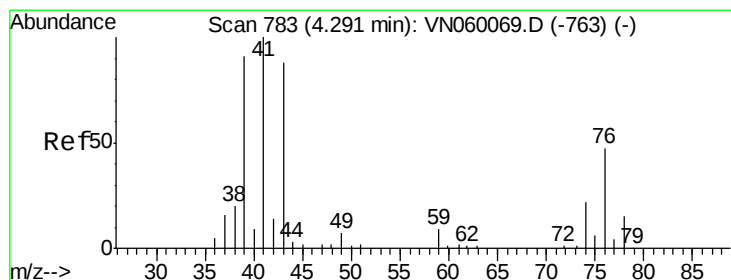
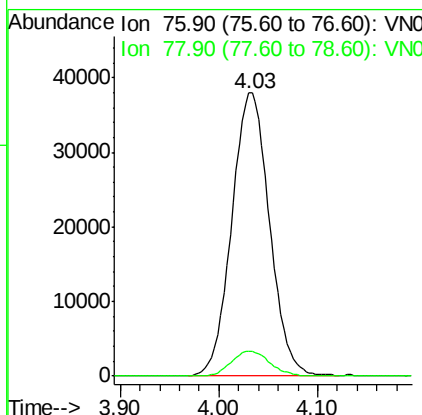
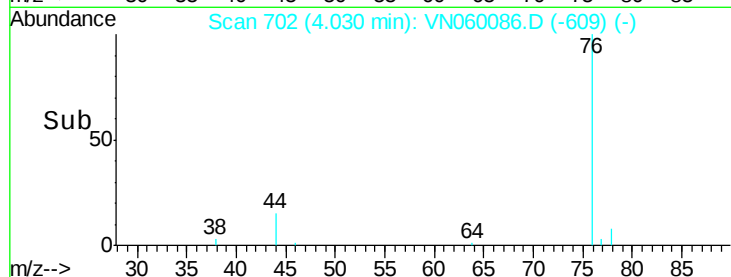
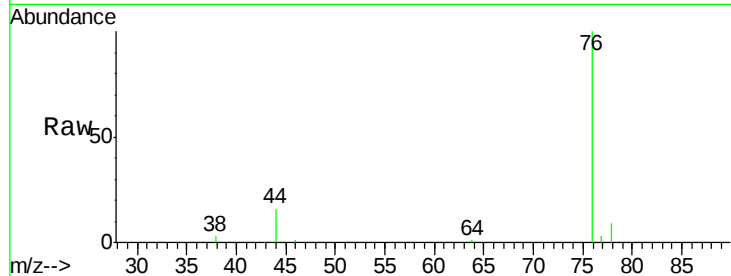
#17
Carbon Disulfide
Concen: 17.855 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion: 76 Resp: 100944
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

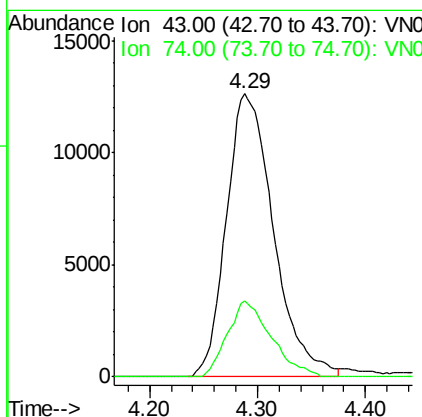
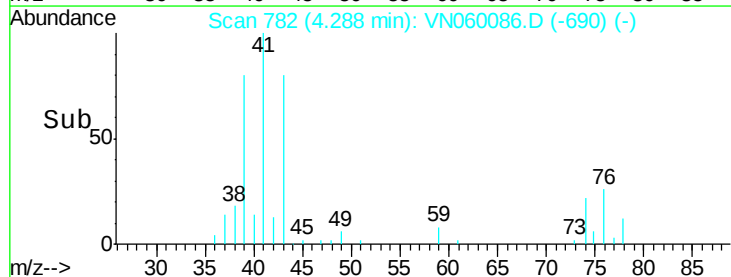
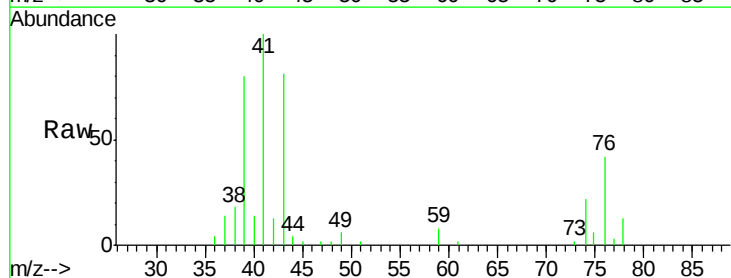
Manual Integrations
APPROVED

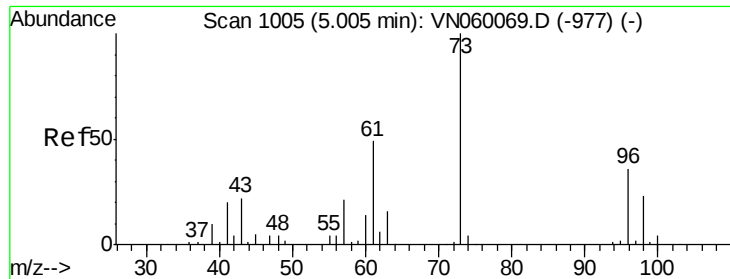
MMDadoda
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#18
Methyl Acetate
Concen: 19.476 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion: 43 Resp: 38524
Ion Ratio Lower Upper
43 100
74 24.9 20.3 30.5





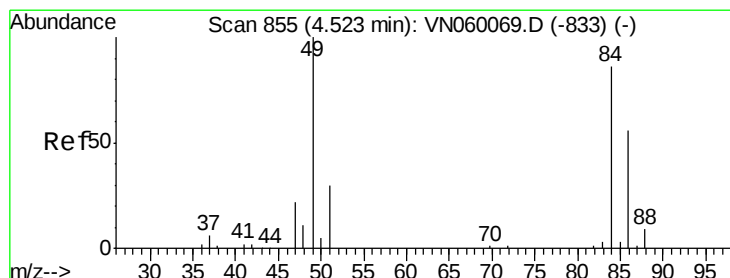
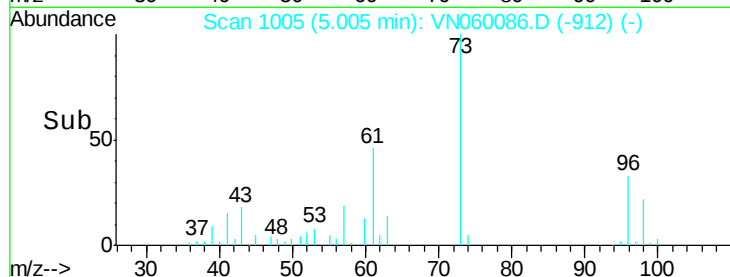
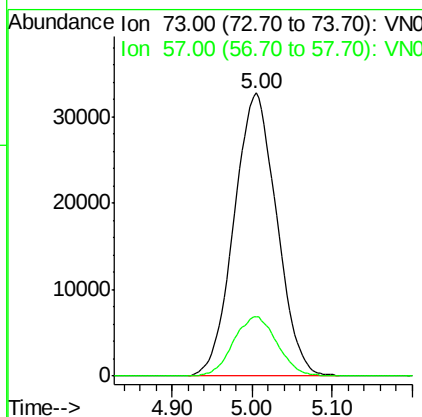
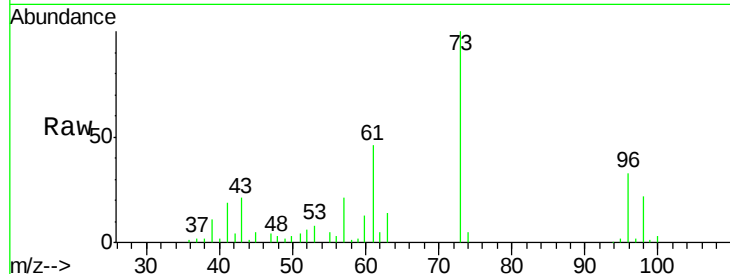
#19
Methvl tert-butvl Ether
Concen: 18.884 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampled :
VN0213WBSD01

Tot Ion: 73 Resp: 119115
Ion Ratio Lower Upper
73 100
57 21.2 17.2 25.8

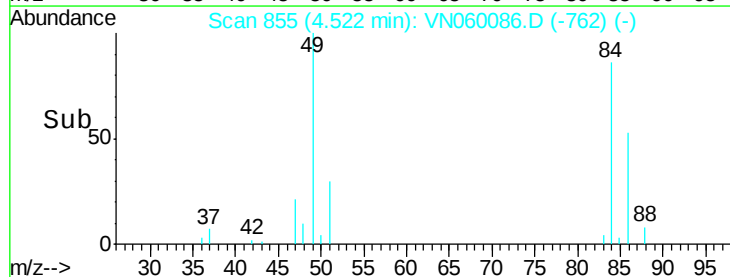
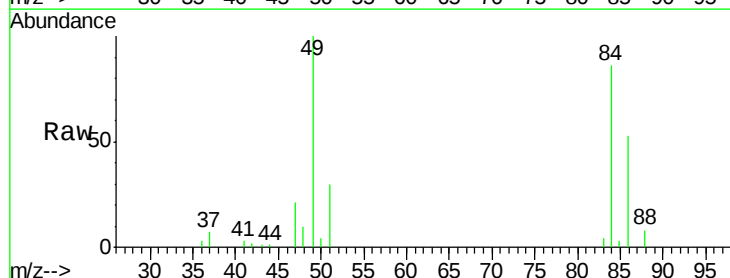
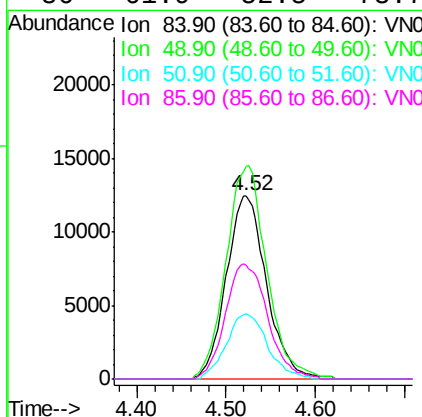
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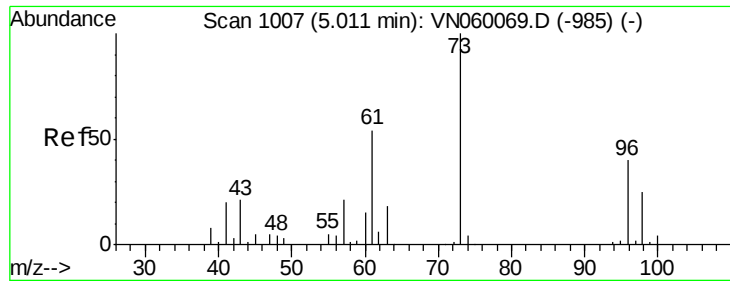
MMDadoda
2/14/2020 10:27:51 AM



#20
Methylene Chloride
Concen: 18.510 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion: 84 Resp: 38885
Ion Ratio Lower Upper
84 100
49 115.9 93.4 140.0
51 35.3 28.4 42.6
86 61.9 52.5 78.7





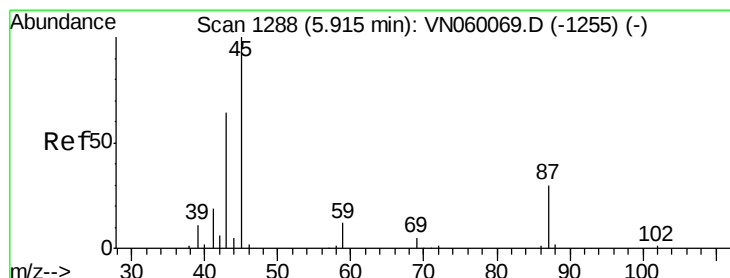
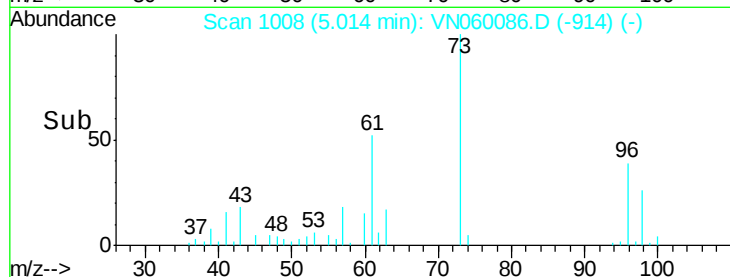
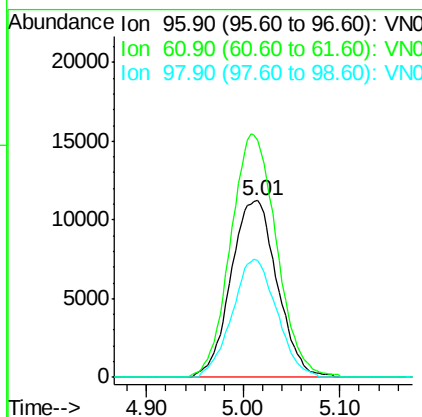
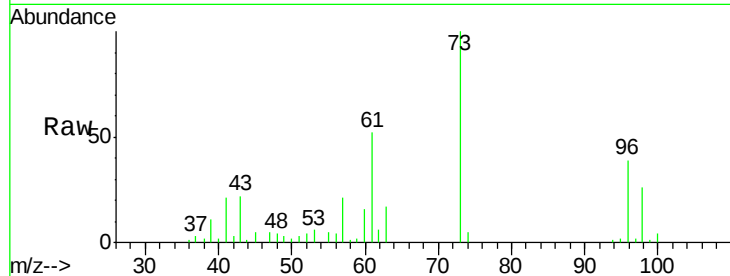
#21
trans-1,2-Dichloroethene
Concen: 18.275 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.2	109.3	163.9
98	66.2	51.0	76.6

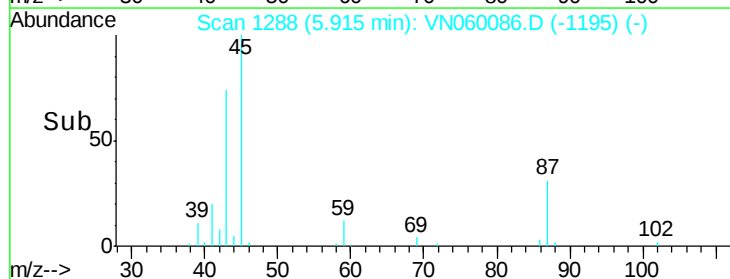
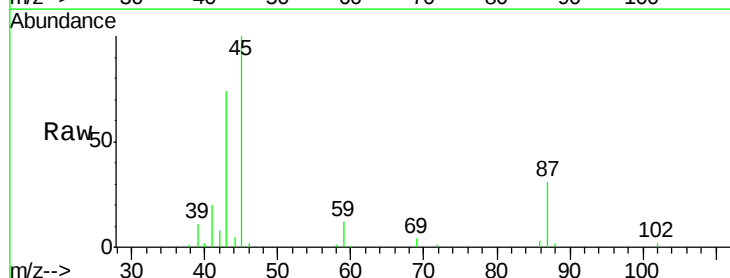
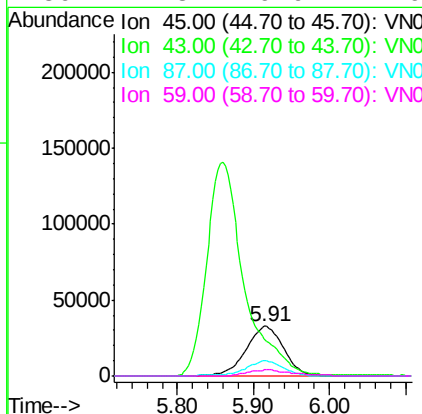
Manual Integrations
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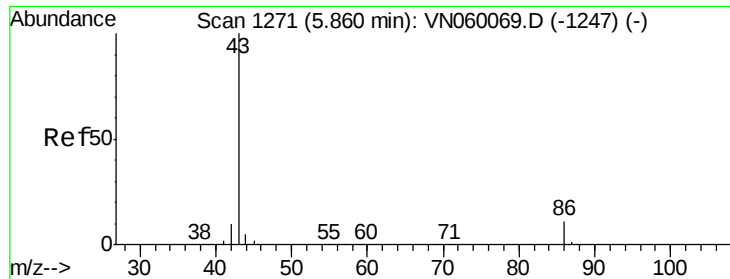
MMDadoda
2/14/2020 10:27:51 AM



#22
Diisopropyl ether
Concen: 18.634 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.5	55.9	83.9
87	30.8	24.5	36.7
59	11.8	9.9	14.9





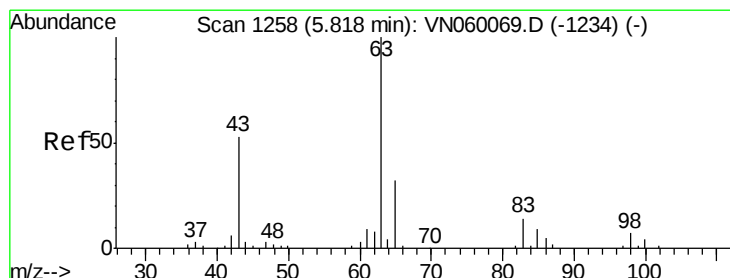
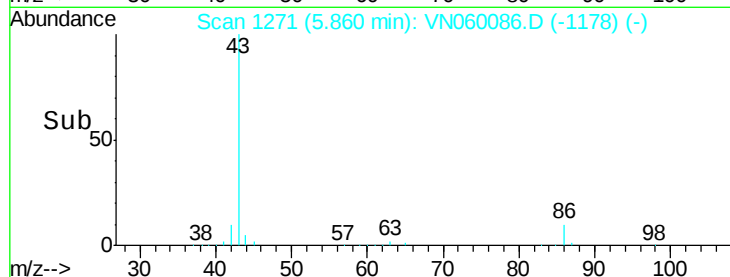
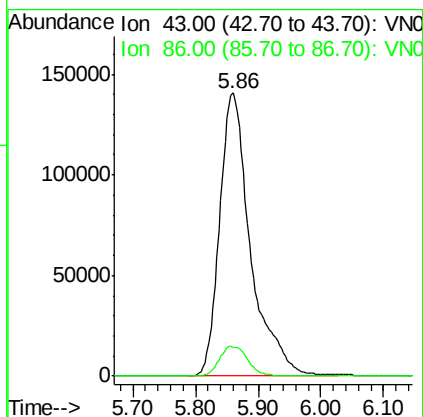
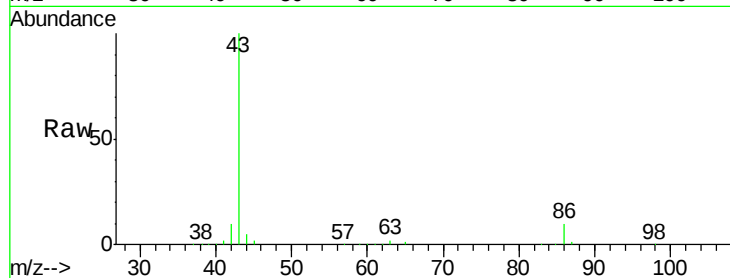
#23
 Vinyl Acetate
 Concen: 95.034 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion	43	Resp	482846
Ion Ratio	100	Lower	Upper
43	100		
86	10.3	8.9	13.3

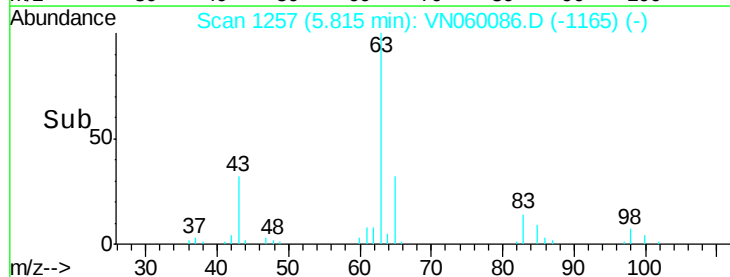
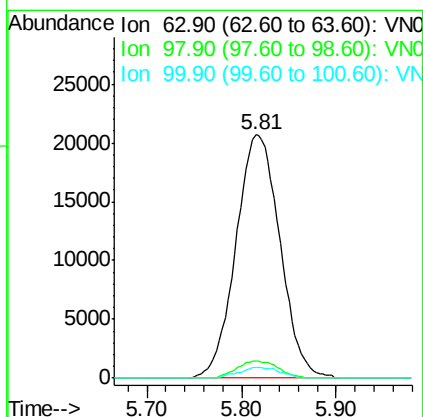
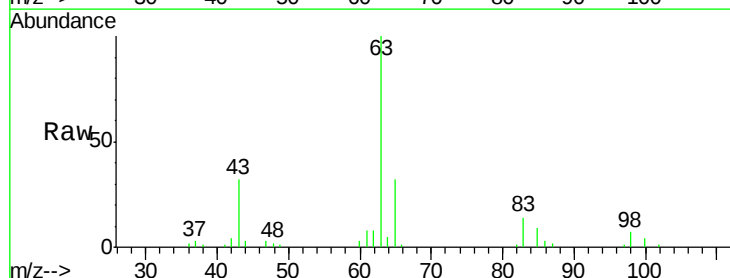
Manual Integrations
 APPROVED

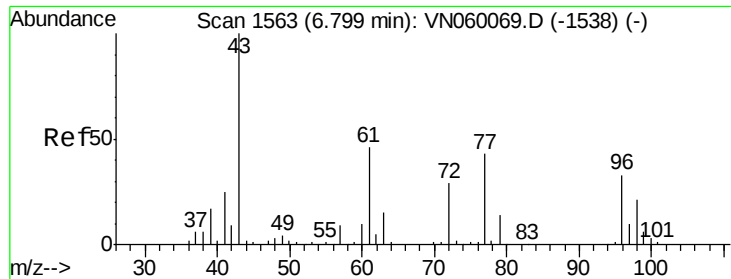
MMDadoda
 2/14/2020 10:27:51 AM



#24
 1,1-Dichloroethane
 Concen: 18.217 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Tgt Ion	63	Resp	66768
Ion Ratio	100	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	4.5	2.2	6.6





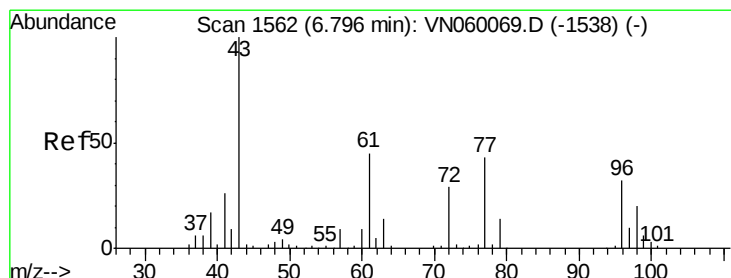
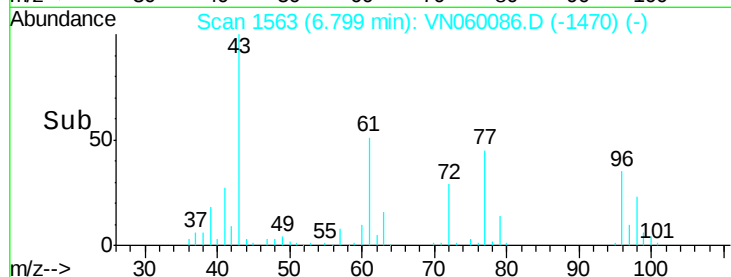
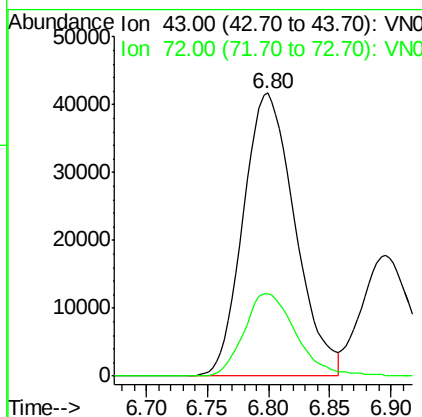
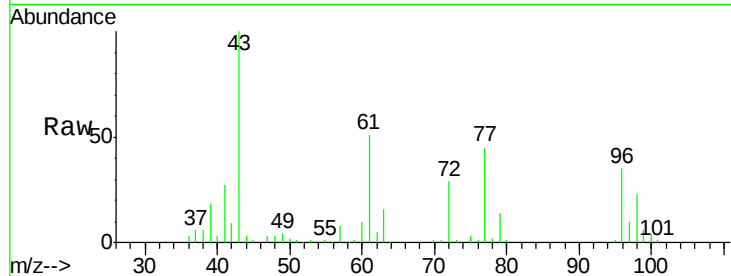
#25
2-Butanone
Concen: 92.720 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion: 43 Resp: 122789
Ion Ratio Lower Upper
43 100
72 29.1 23.3 34.9

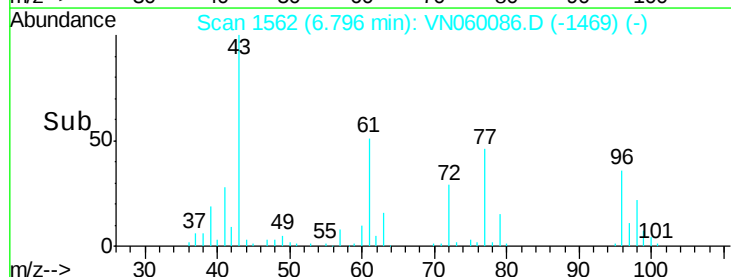
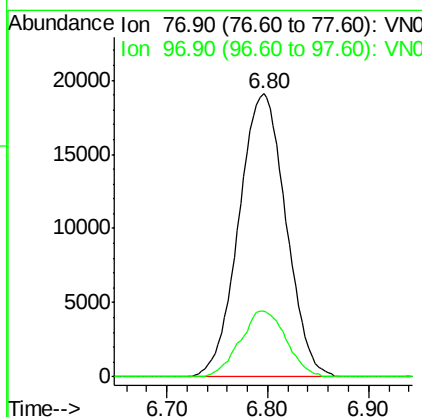
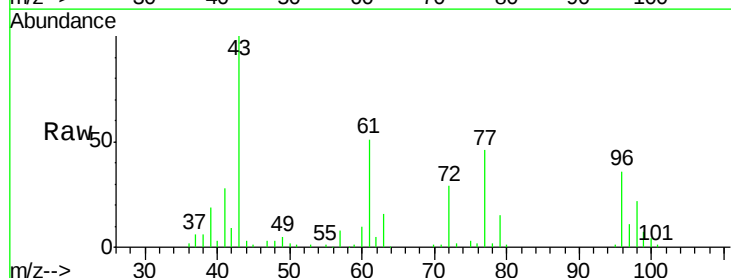
Manual Integrations
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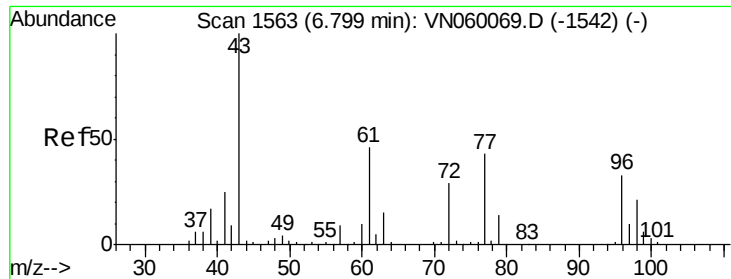
MMDadoda
2/14/2020 10:27:51 AM



#26
2,2-Dichloropropane
Concen: 17.764 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion: 77 Resp: 61839
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 17.875 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Instrument :

MSVOA_N

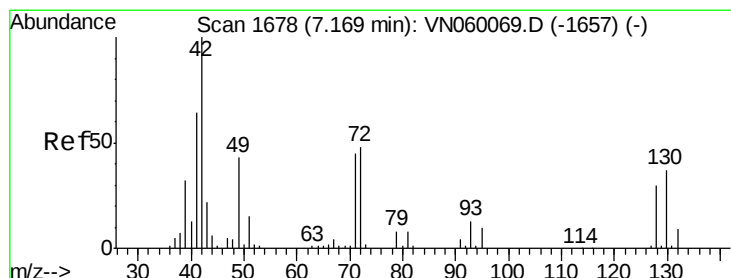
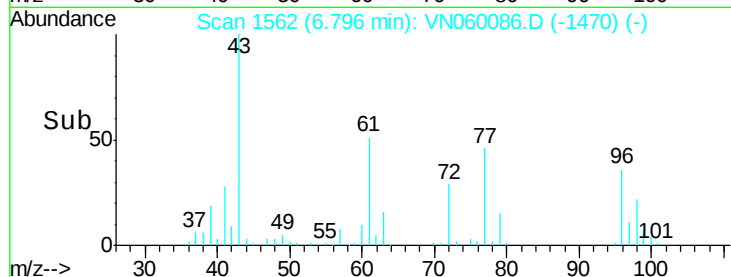
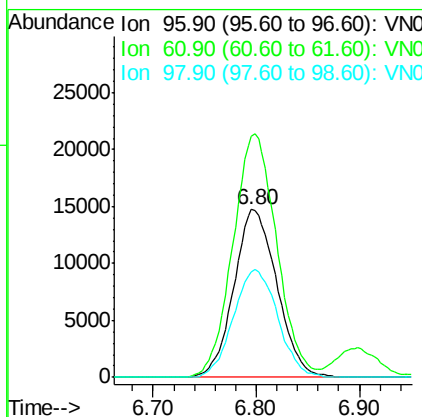
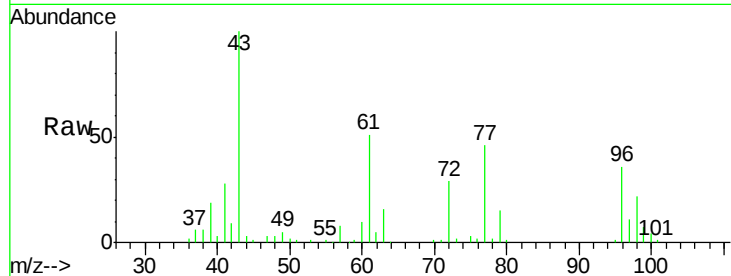
ClientSampleId :

VN0213WBSD01

Tot Ion:	96	Resp:	42771
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	285.8
98	66.2	0.0	129.6

Manual Integrations
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#28

Bromochloromethane

Concen: 19.920 ug/l

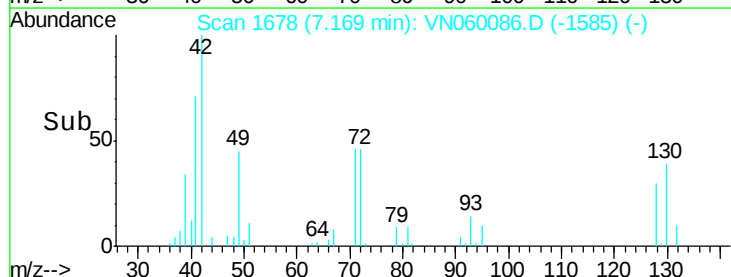
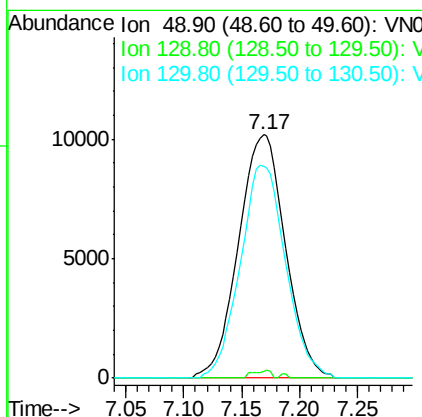
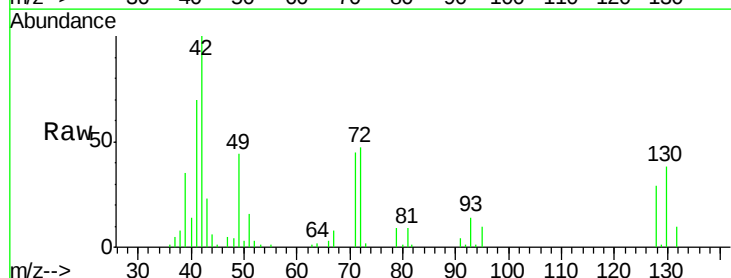
RT: 7.17 min Scan# 1678

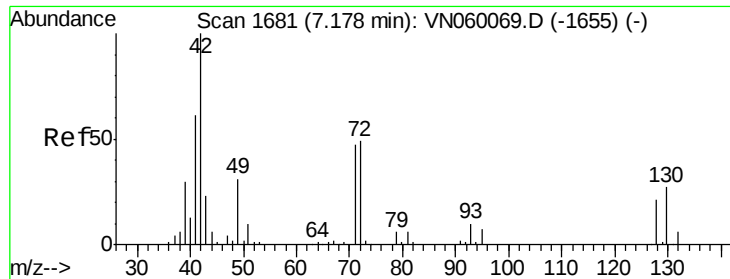
Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Tgt Ion:	49	Resp:	28703
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.2
130	84.6	66.8	100.2





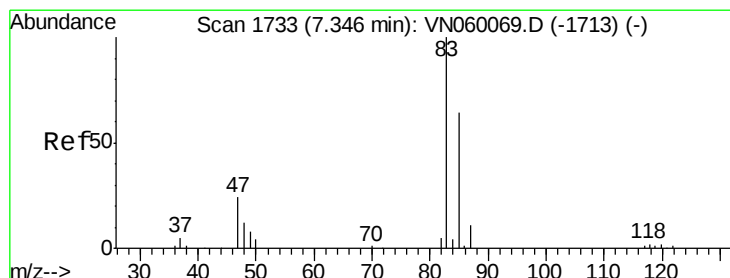
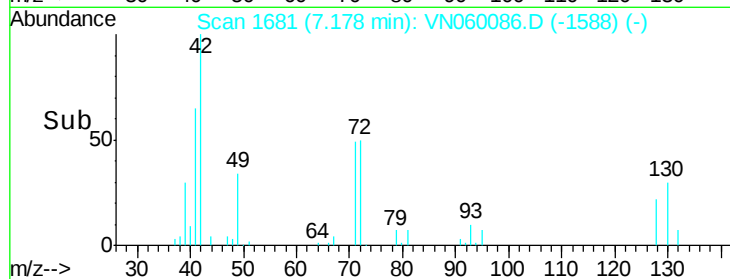
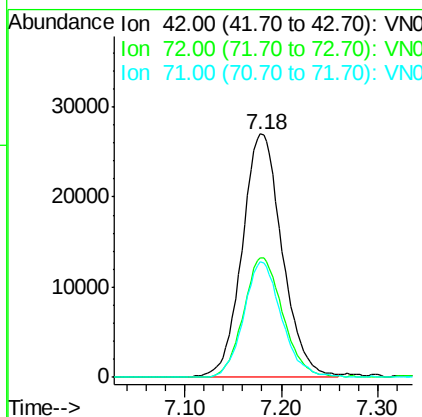
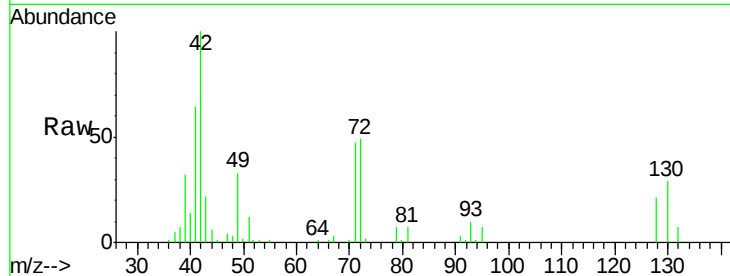
#29
Tetrahydrofuran
Concen: 95.700 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.2	57.4
71	44.7	36.6	54.8

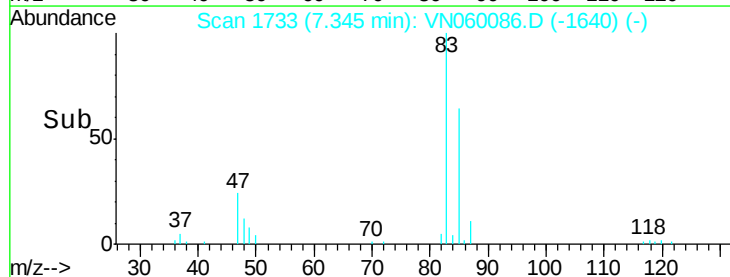
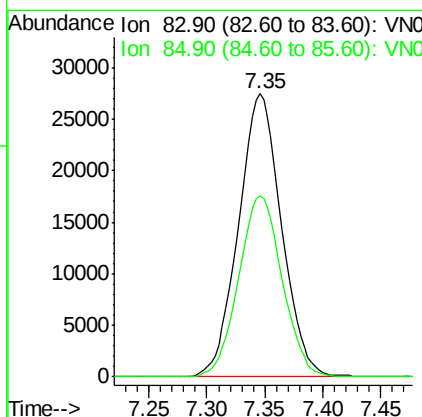
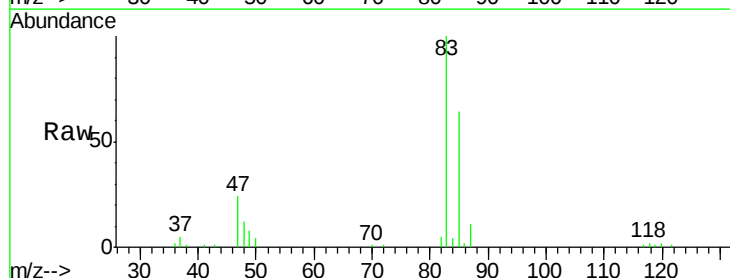
Manual Integrations
APPROVED

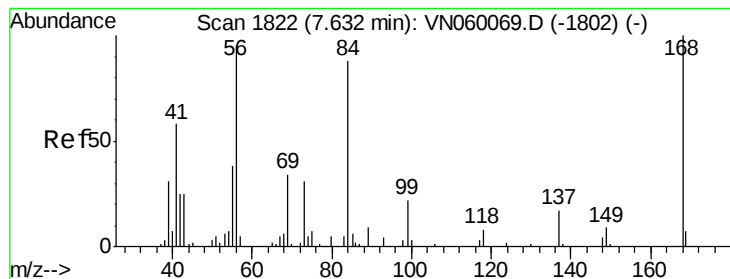
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#30
Chloroform
Concen: 18.415 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.0





#31

Cyclohexane

Concen: 18.183 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Instrument :

MSVOA_N

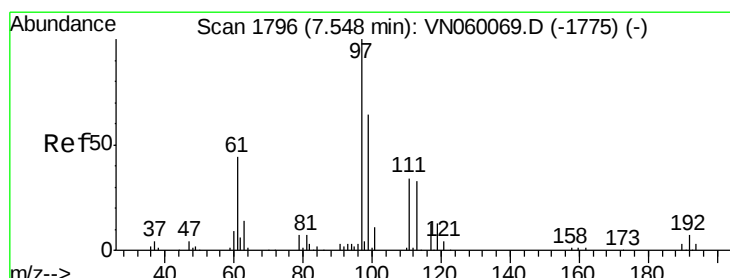
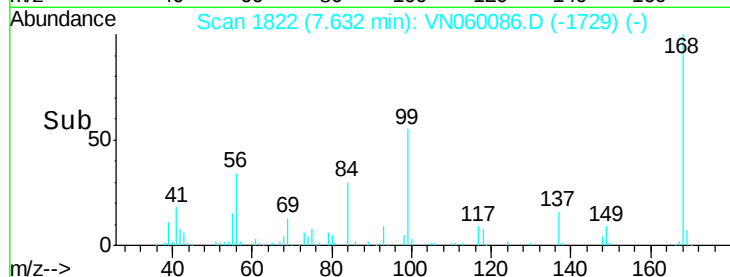
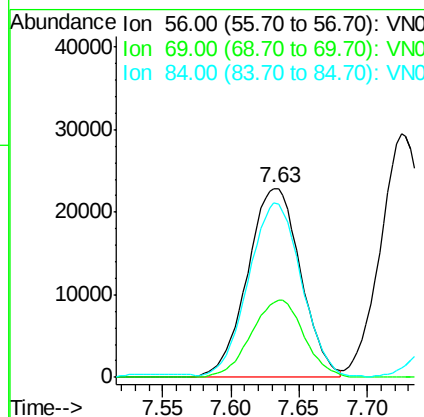
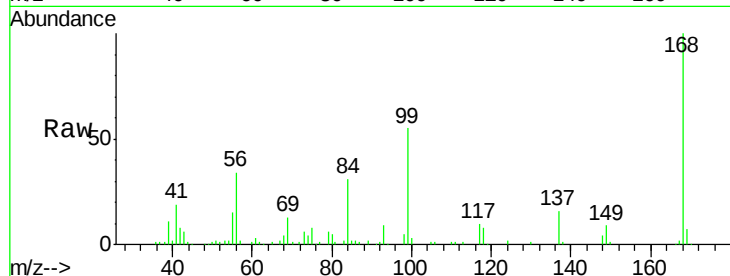
ClientSampleId :

VN0213WBSD01

Tot Ion:	56	Resp:	62080
Ion	Ratio	Lower	Upper
56	100		
69	39.7	28.3	42.5
84	91.4	72.6	108.8

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#32

1,1,1-Trichloroethane

Concen: 17.995 ug/l

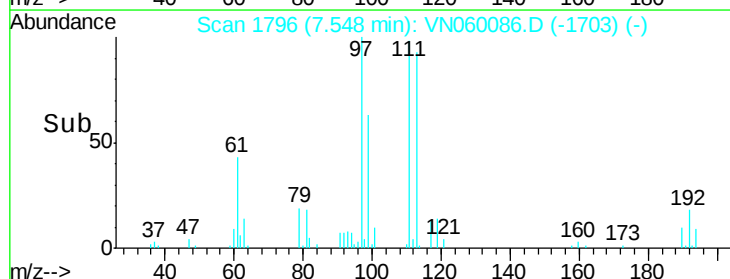
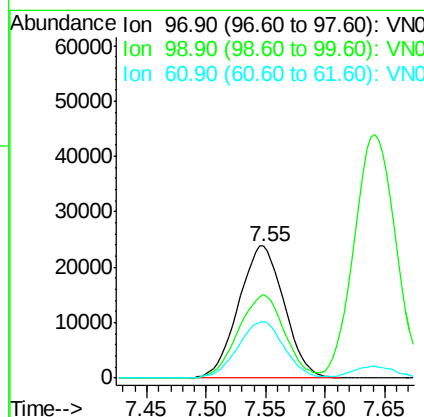
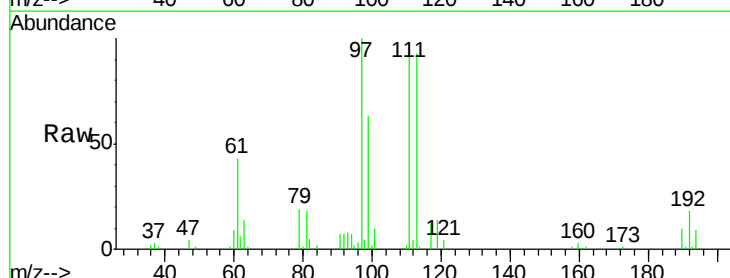
RT: 7.55 min Scan# 1796

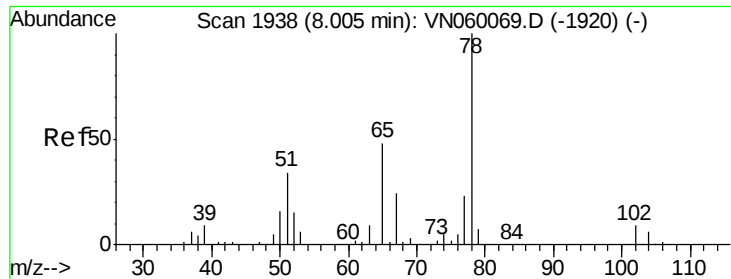
Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Tgt Ion:	97	Resp:	63135
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	43.6	34.9	52.3





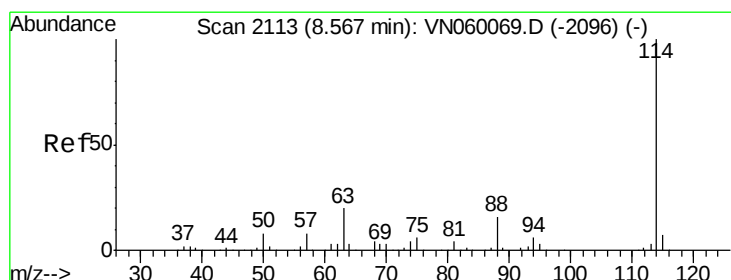
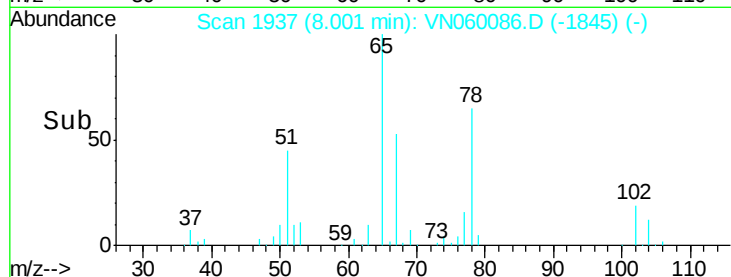
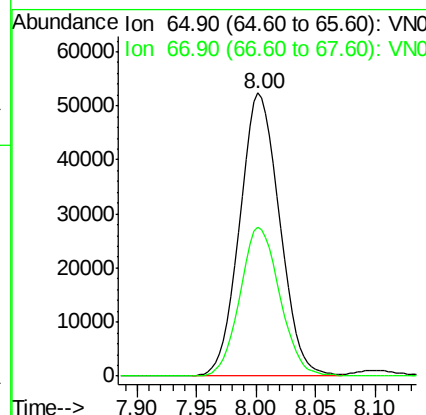
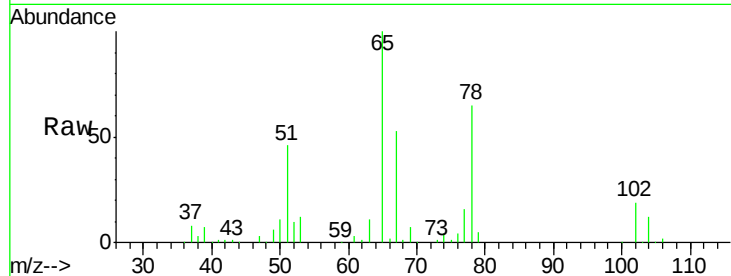
#33
 1,2-Dichloroethane-d4
 Concen: 50.478 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

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

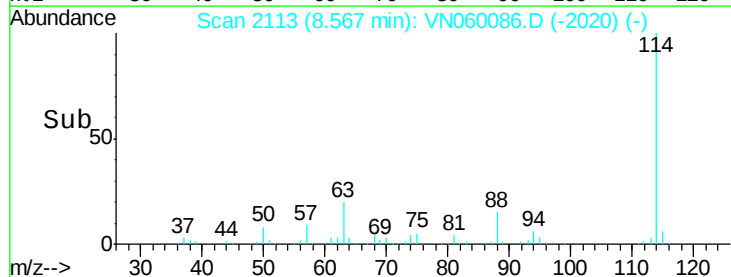
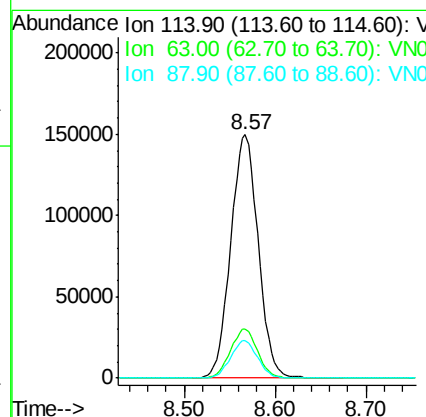
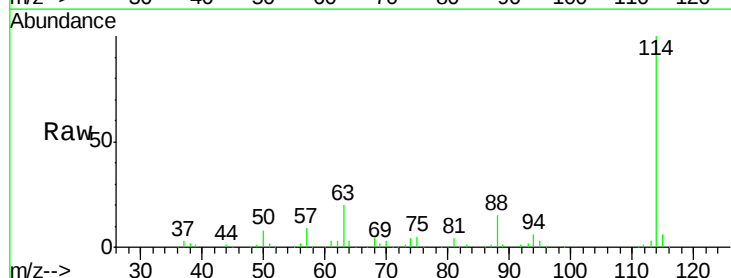
Manual Integrations
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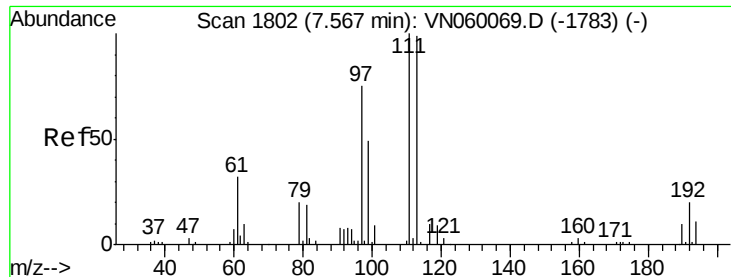
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	40.0	
88	15.2	0.0	31.6	





#35

Dibromofluoromethane

Concen: 49.555 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Instrument :

MSVOA_N

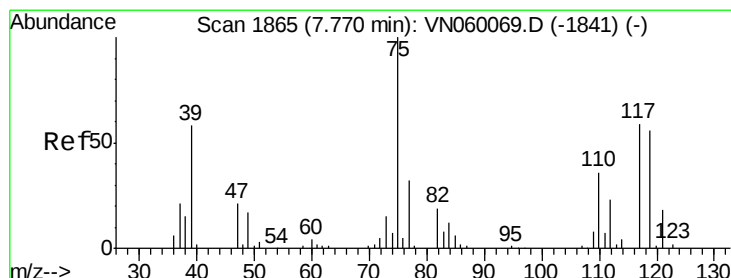
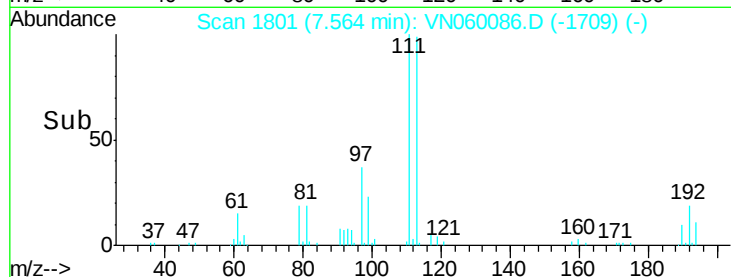
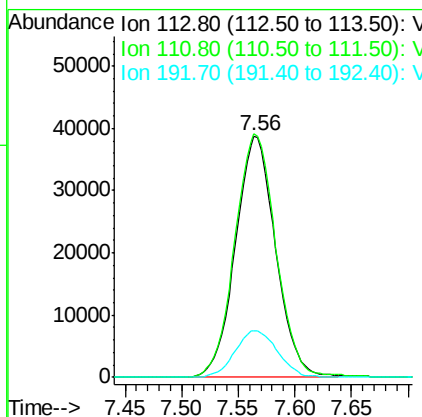
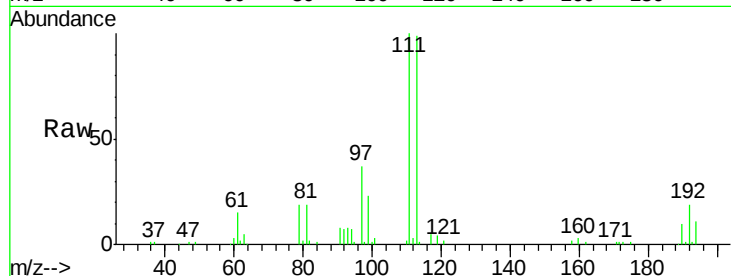
ClientSampleId :

VN0213WBSD01

Tot Ion:	113	Resp:	95664
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.4	122.2
192	20.3	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 17.767 ug/l

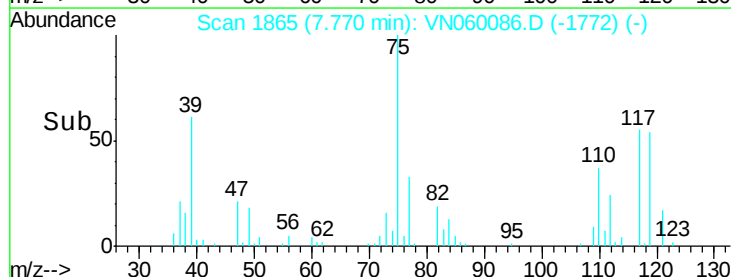
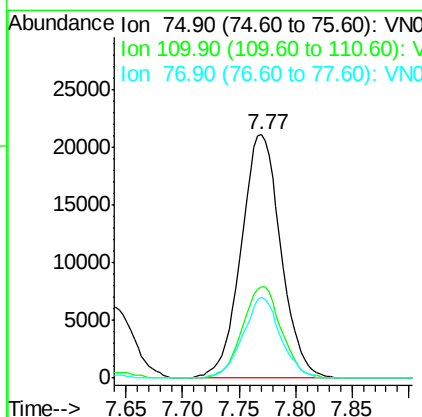
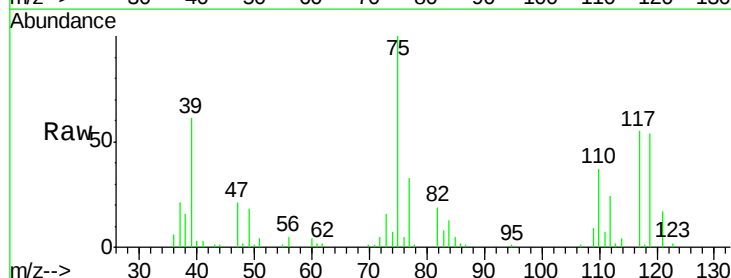
RT: 7.77 min Scan# 1865

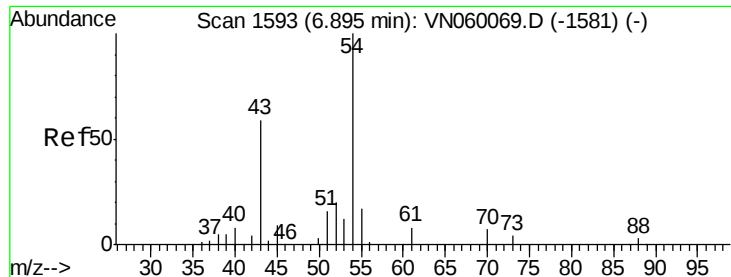
Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Tgt Ion:	75	Resp:	51681
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.1	54.3
77	31.3	25.1	37.7





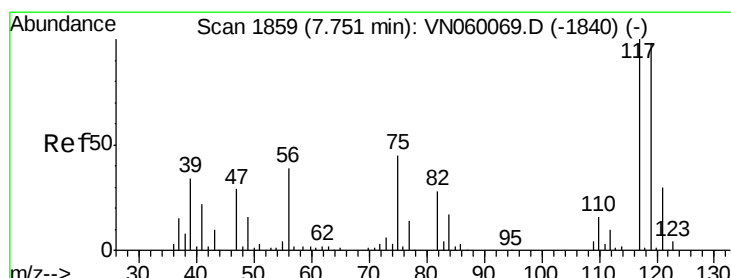
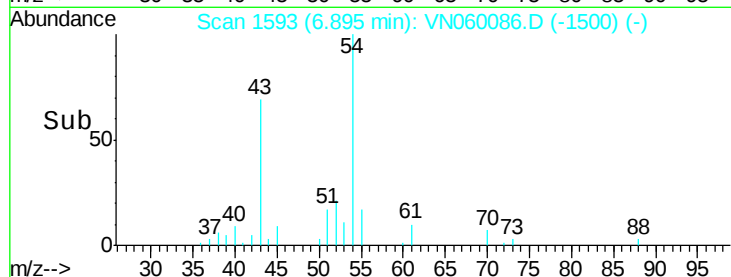
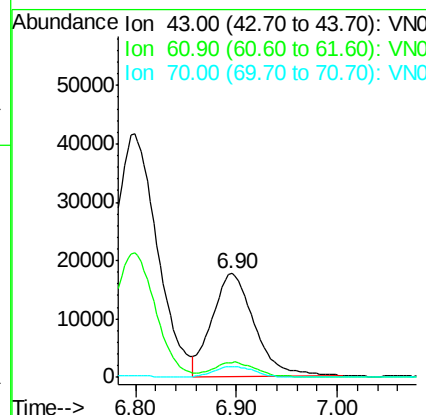
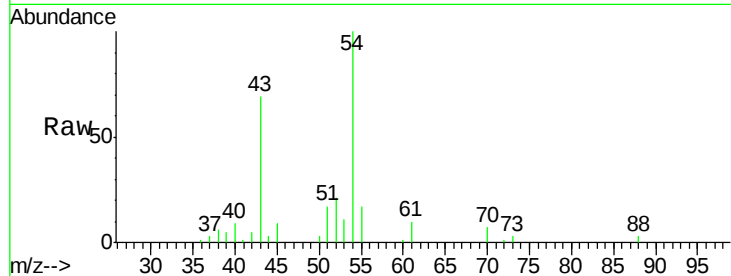
#37
Ethyl Acetate
Concen: 19.596 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.4	17.2
70	10.2	8.7	13.1

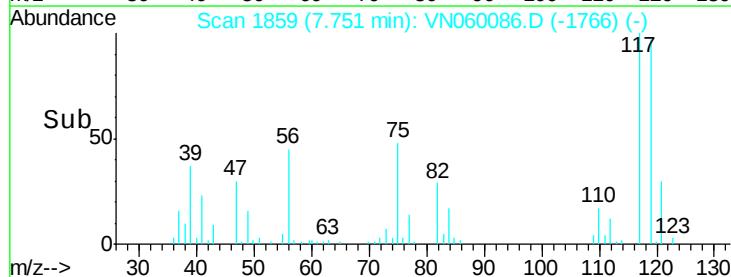
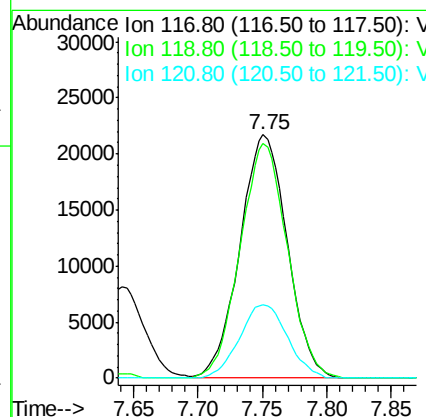
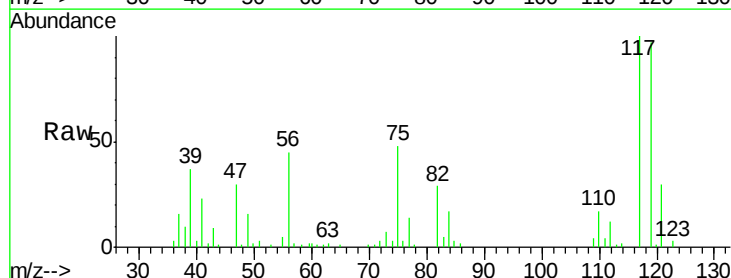
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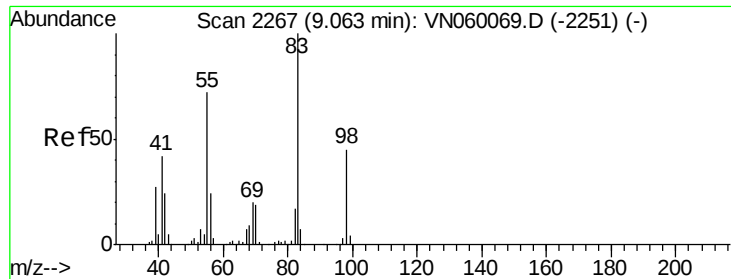
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#38
Carbon Tetrachloride
Concen: 17.580 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.2	117.4
121	30.0	24.2	36.2





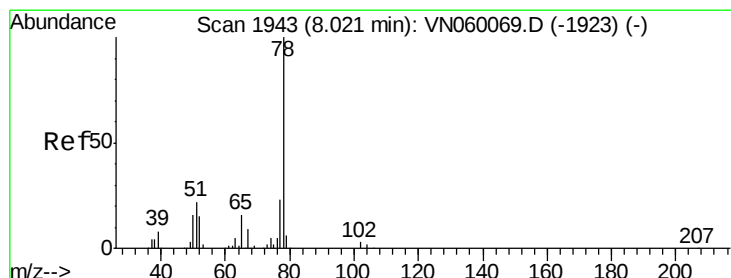
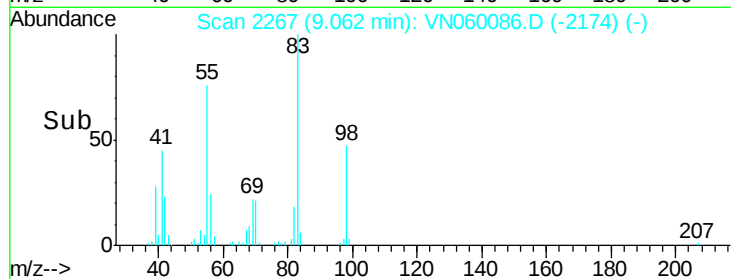
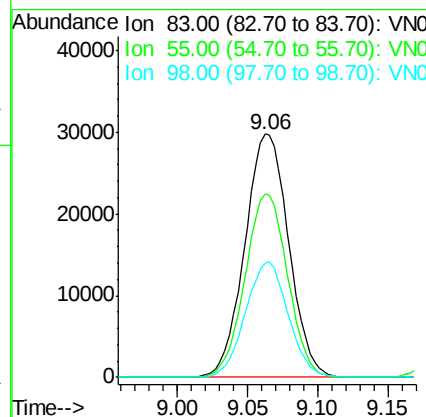
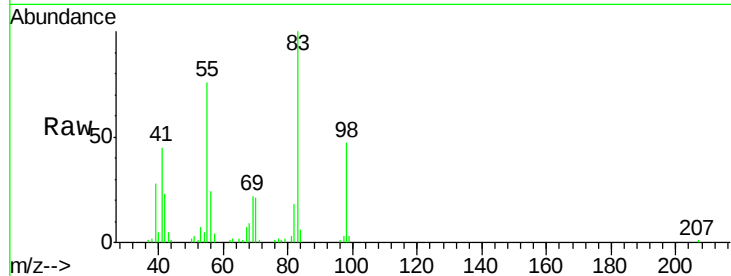
#39
Methvlcvclohexane
Concen: 17.934 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	57.8	86.8
98	47.1	36.4	54.6

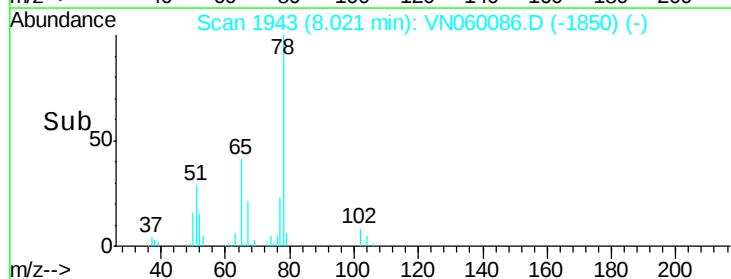
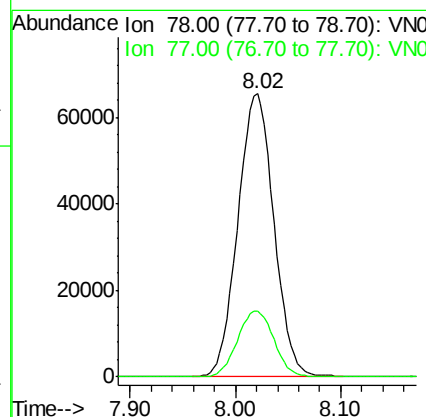
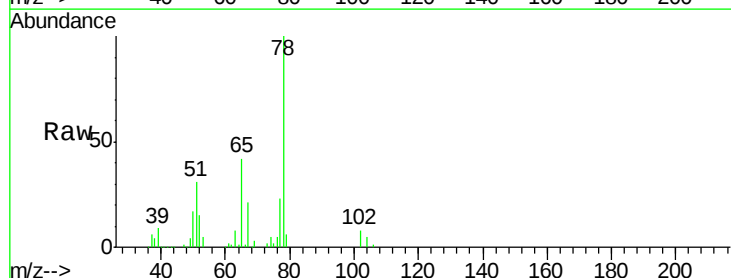
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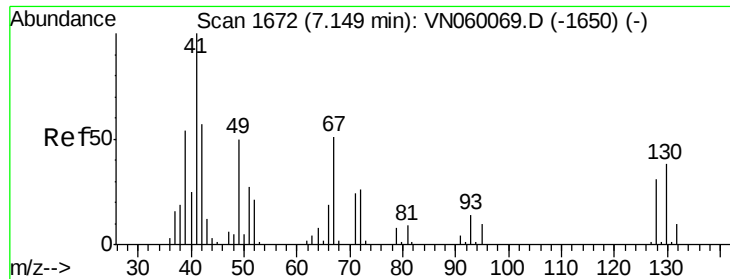
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#40
Benzene
Concen: 17.988 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 20.105 ug/l m

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Tot Ion: 41 Resp: 22166

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Instrument :

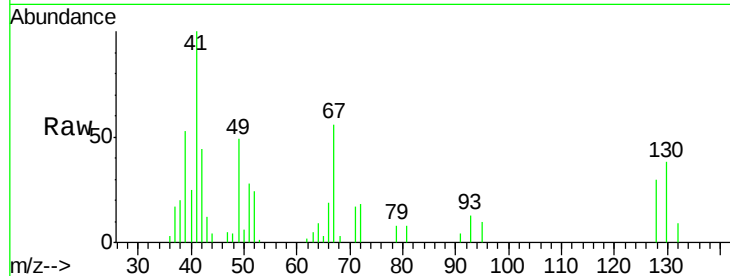
MSVOA_N

ClientSampleId :

VN0213WBSD01

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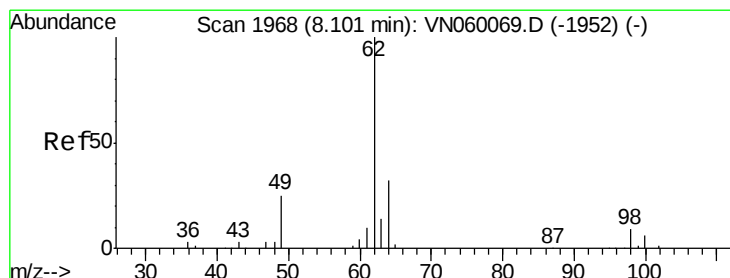
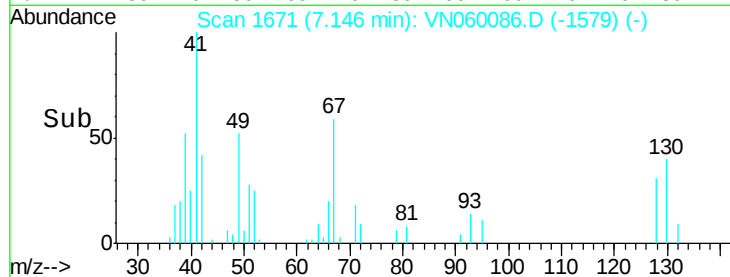
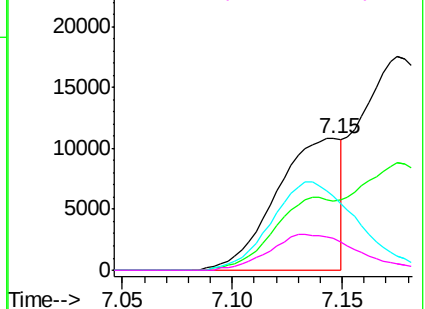


Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-1650) (-)

Ion 67.00 (66.70 to 67.70): VN060069.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN060069.D (-1650) (-)



#42

1,2-Dichloroethane

Concen: 18.803 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN060086.D

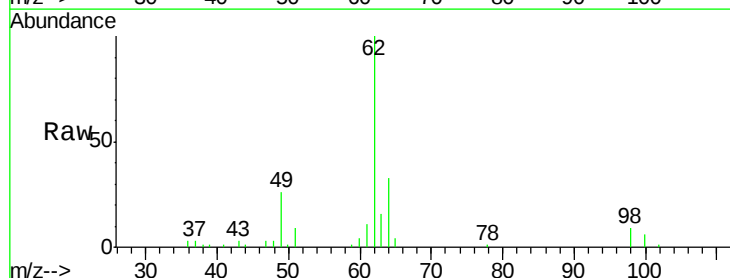
Acq: 13 Feb 2020 11:57

Tgt Ion: 62 Resp: 56865

Ion Ratio Lower Upper

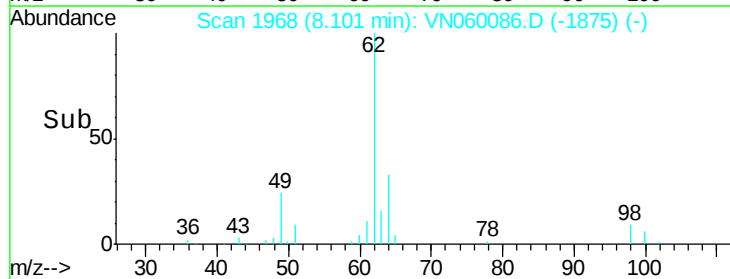
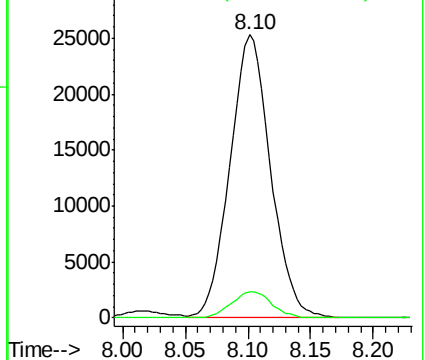
62 100

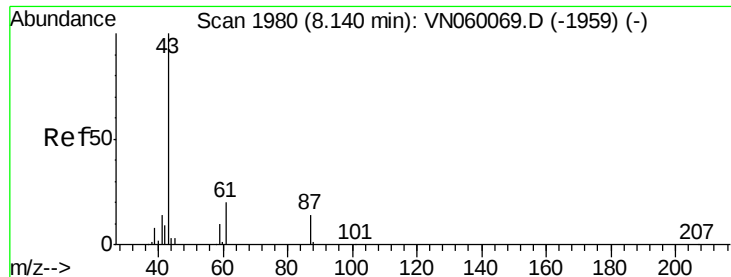
98 9.2 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VN060069.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN060069.D (-1952) (-)





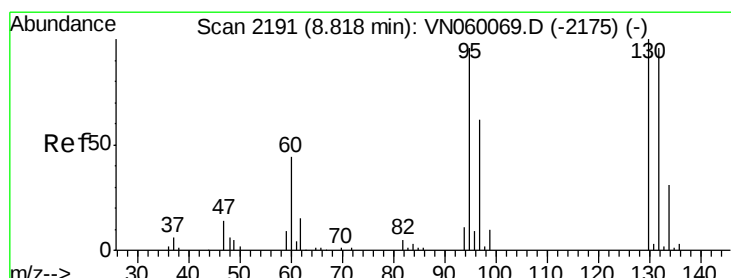
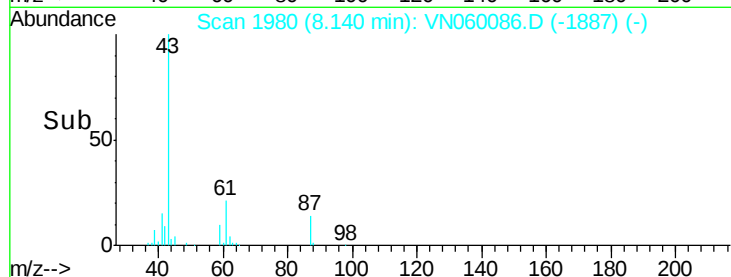
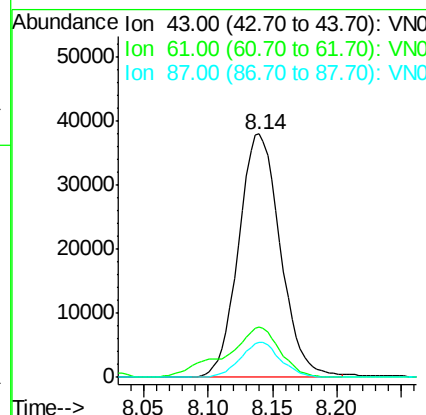
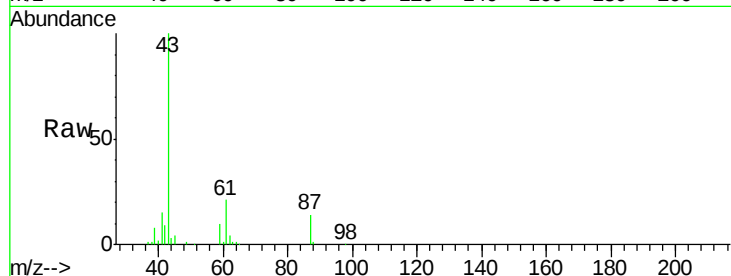
#43
Isopropyl Acetate
Concen: 19.017 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.8	32.6
87	13.6	11.4	17.2

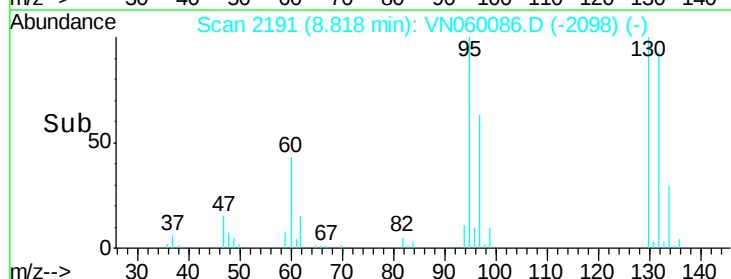
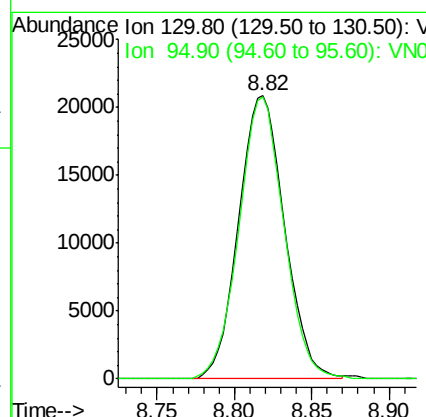
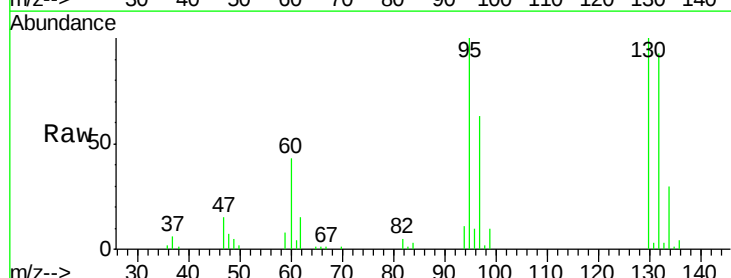
Manual Integrations
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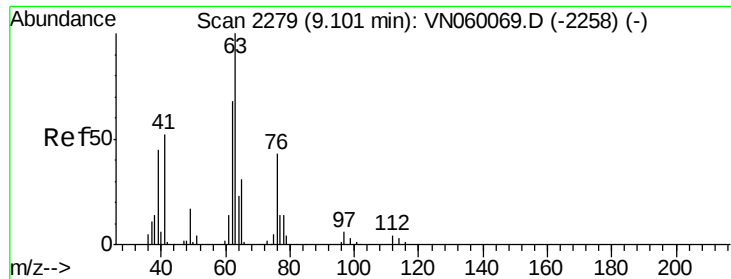
MMDadoda
2/14/2020 10:27:51 AM



#44
Trichloroethene
Concen: 18.032 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	192.4





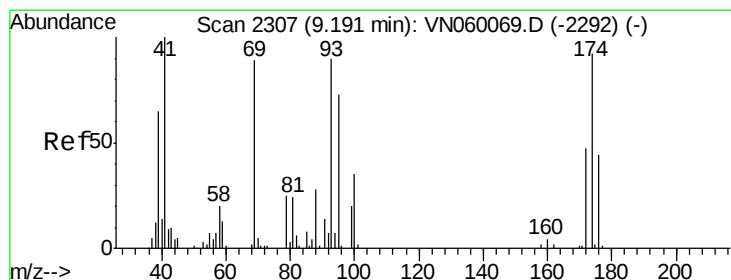
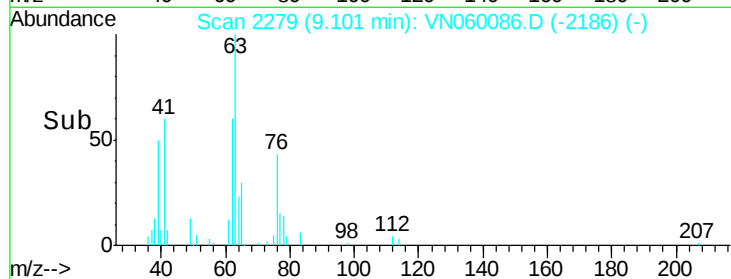
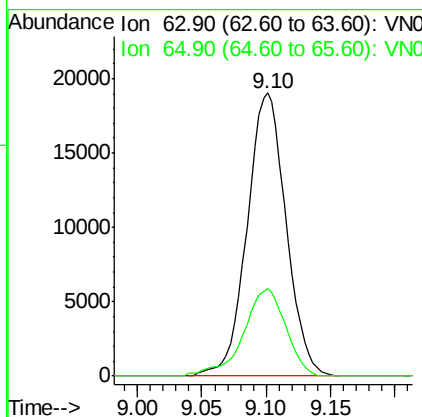
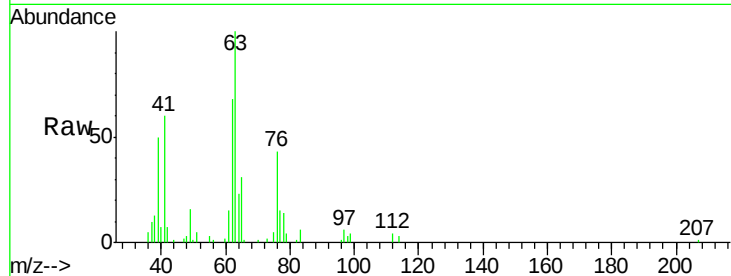
#45
 1,2-Dichloropropane
 Concen: 18.772 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion: 63 Resp: 40102
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.4

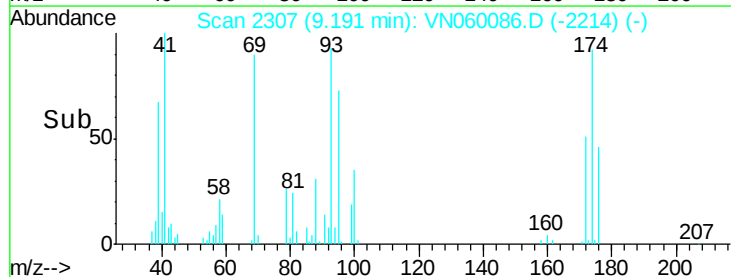
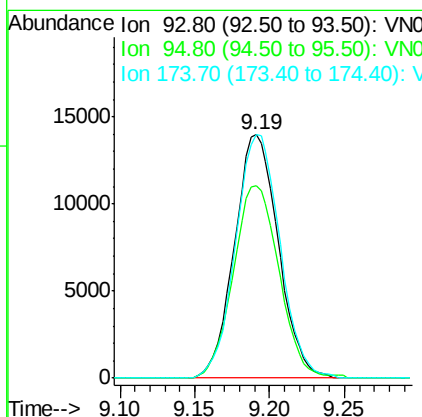
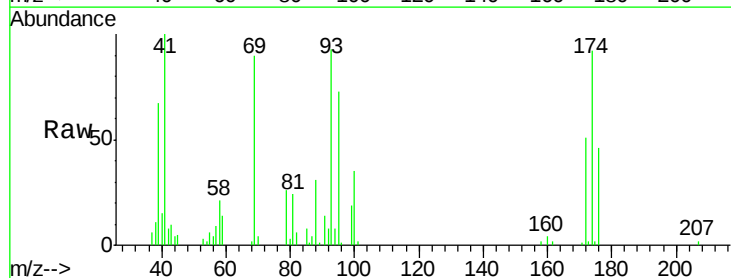
Manual Integrations
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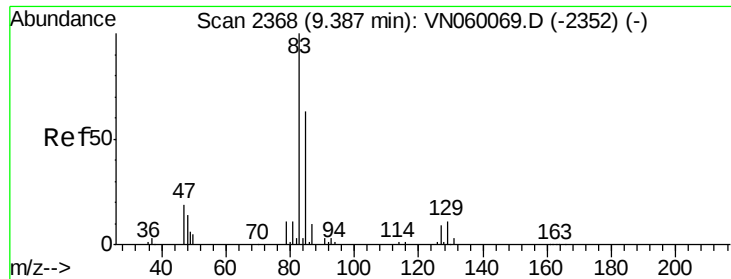
MMDadoda
 2/14/2020 10:27:51 AM



#46
 Dibromomethane
 Concen: 18.934 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Tgt Ion: 93 Resp: 28584
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.0 97.6
 174 101.0 82.3 123.5





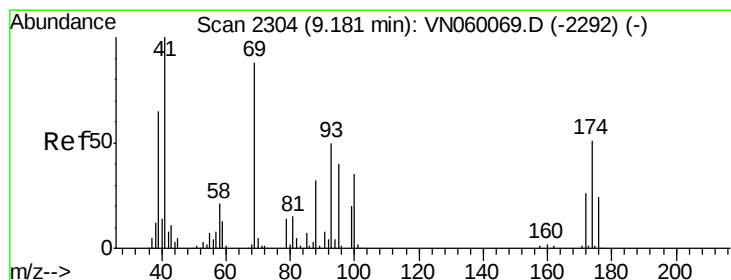
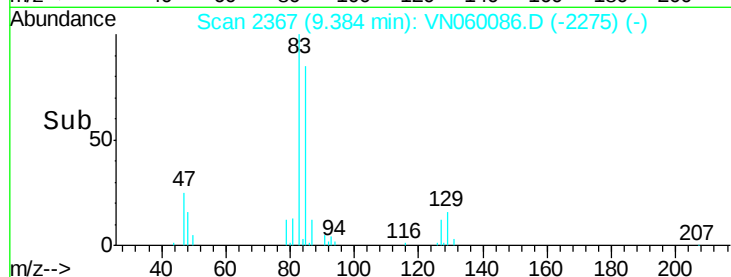
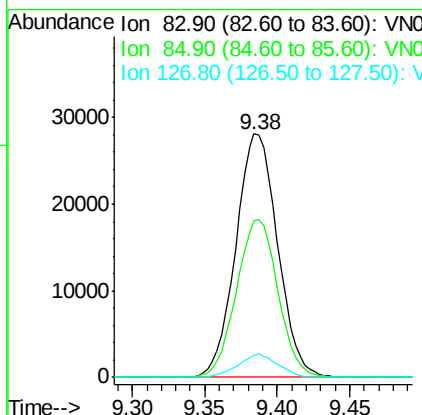
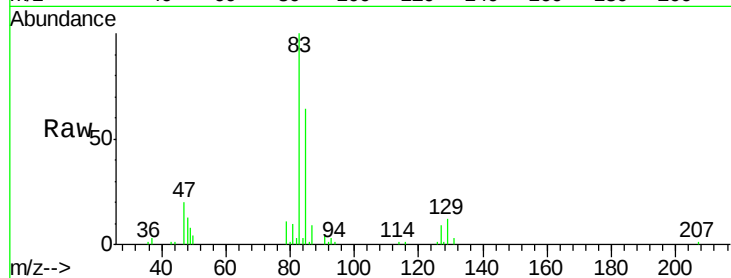
#47
Bromodichloromethane
Concen: 18.306 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	75.8
127	9.3	7.0	10.6

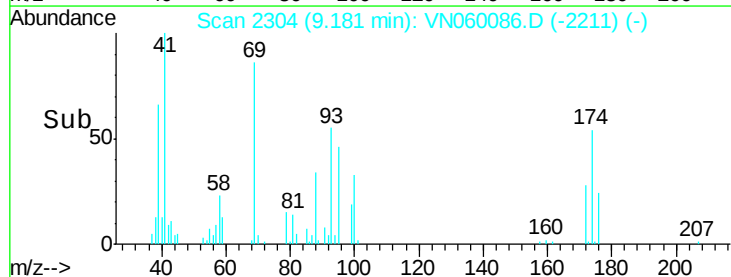
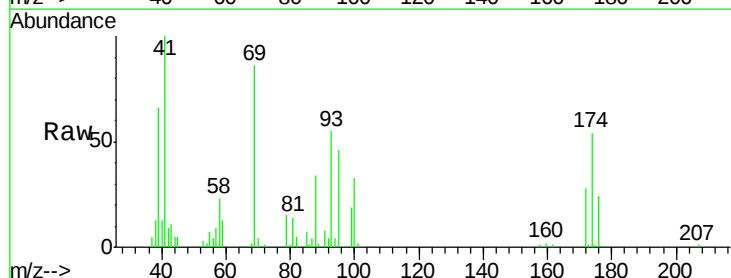
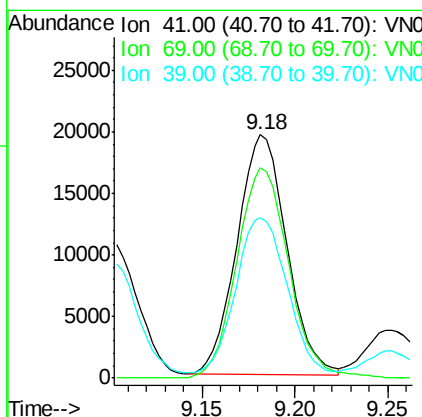
Manual Integrations
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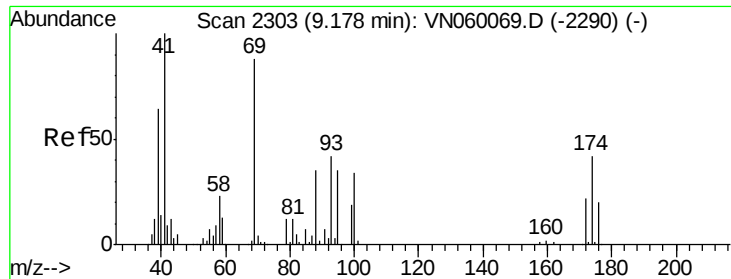
MMDadoda
2/14/2020 10:27:51 AM



#48
Methyl methacrylate
Concen: 17.986 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.9	72.0	108.0
39	67.5	54.1	81.1





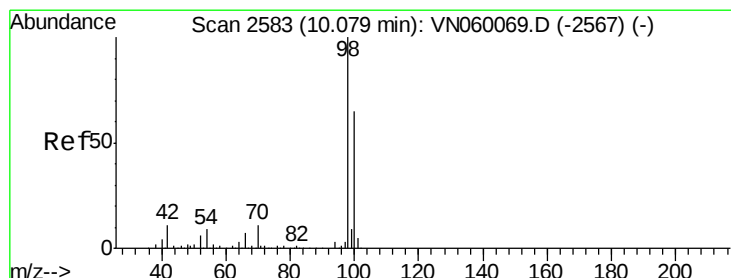
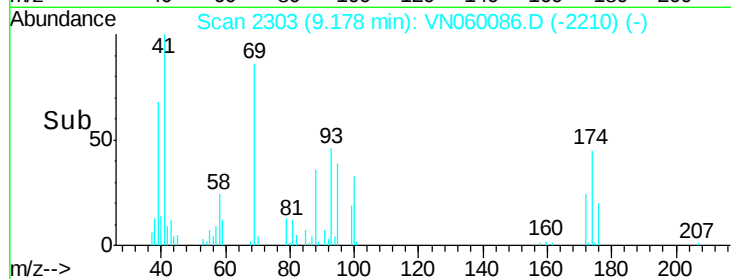
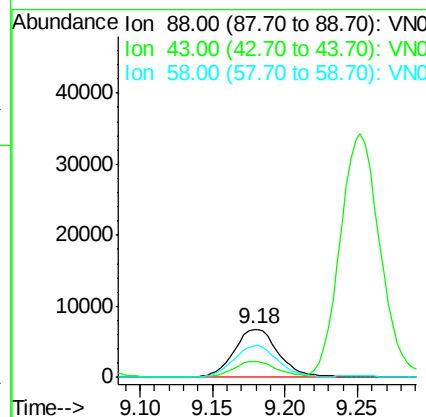
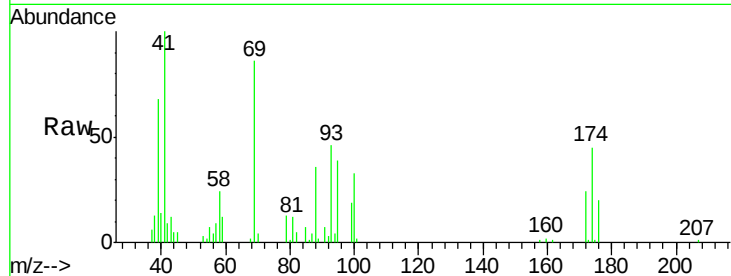
#49
1,4-Dioxane
Concen: 416.778 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	88	Resp	14358
Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.2	39.2
58	65.6	53.2	79.8

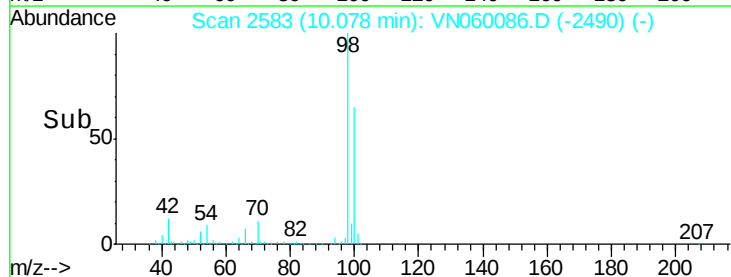
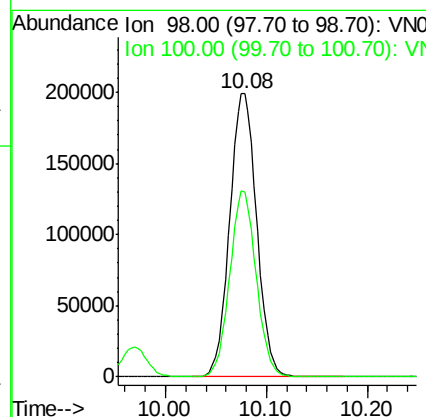
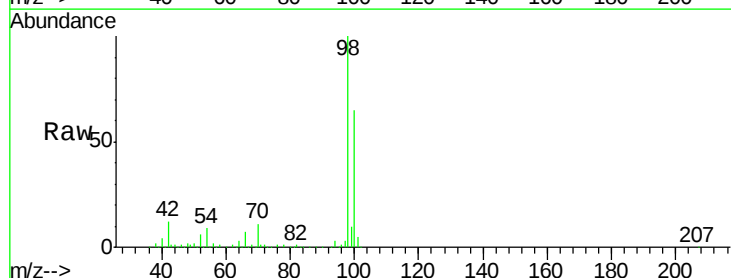
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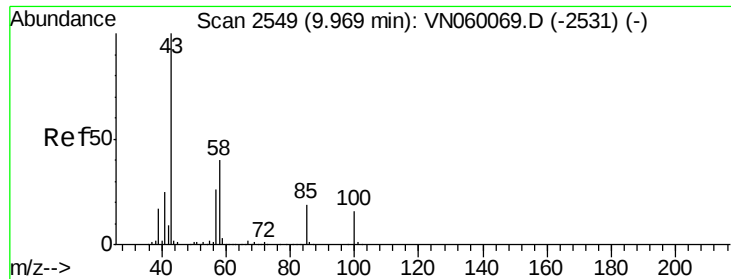
MMDadoda
2/14/2020 10:27:51 AM



#50
Toluene-d8
Concen: 48.888 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion	98	Resp	371650
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 93.976 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion: 43 Resp: 244446

Ion Ratio Lower Upper

43 100

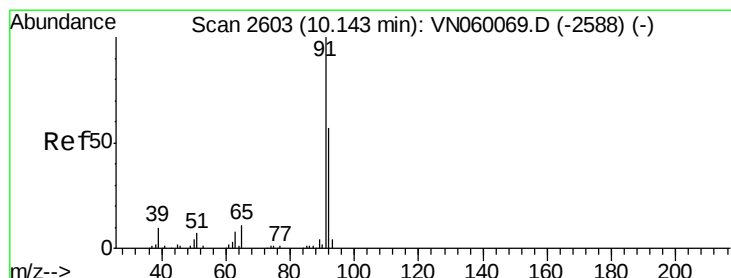
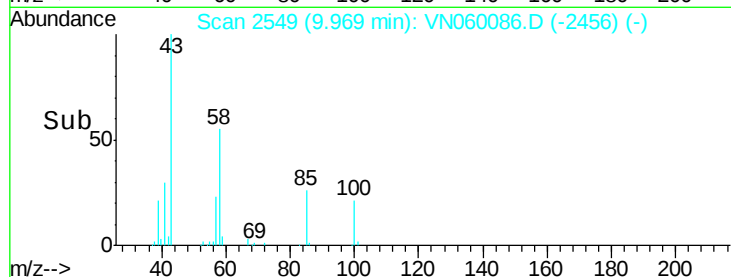
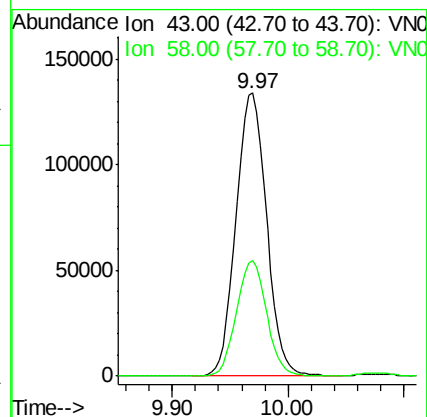
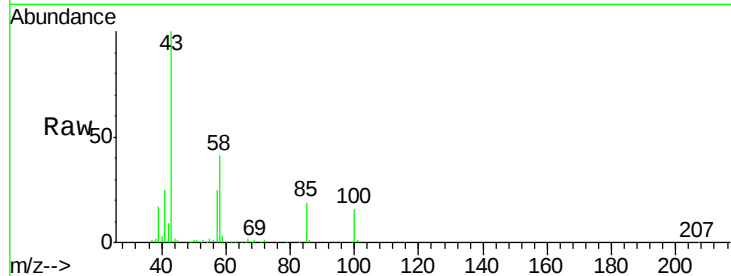
58 40.2 31.8 47.8

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 18.088 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060086.D

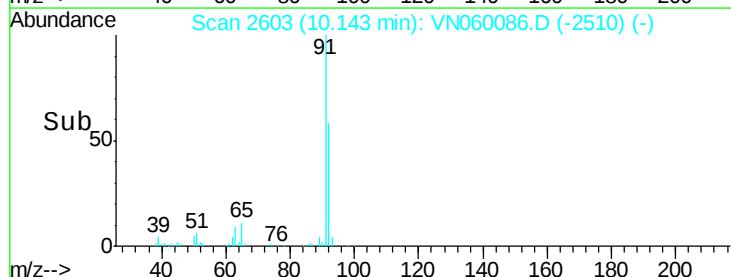
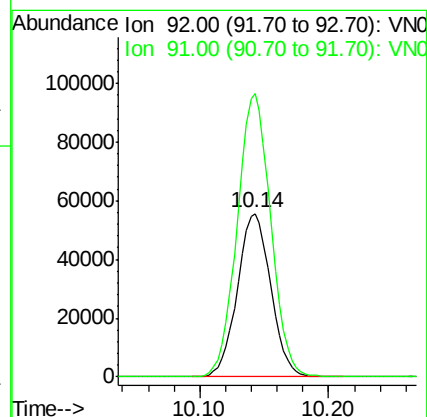
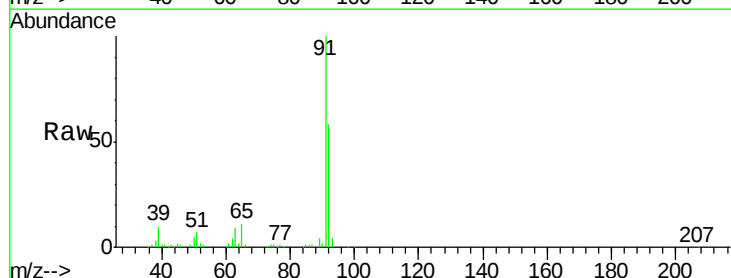
Acq: 13 Feb 2020 11:57

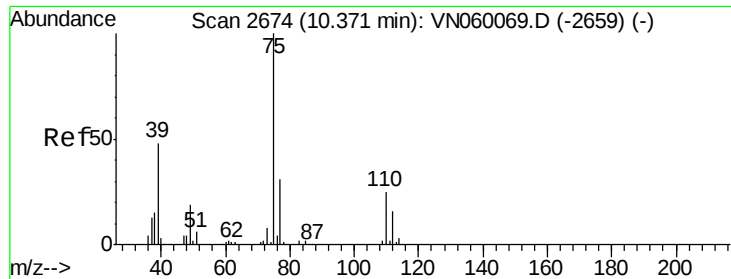
Tgt Ion: 92 Resp: 100087

Ion Ratio Lower Upper

92 100

91 174.2 140.9 211.3





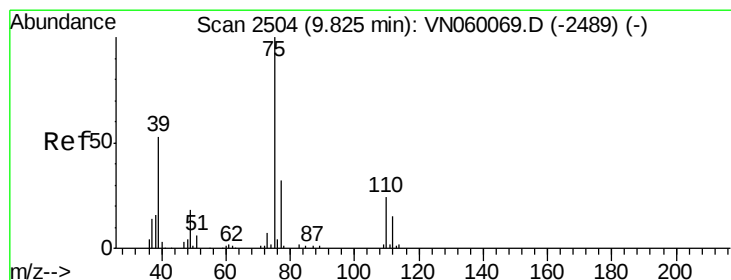
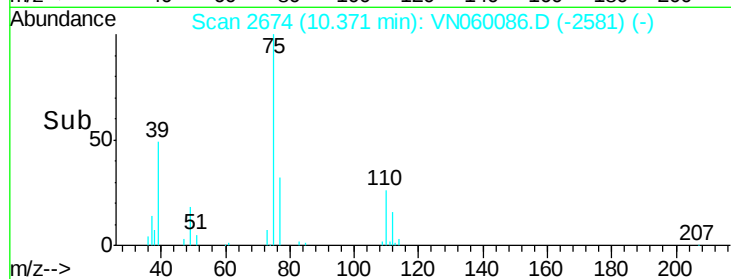
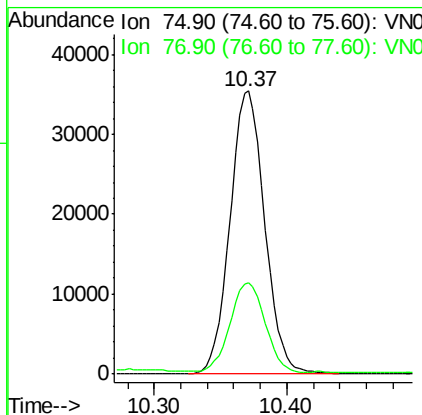
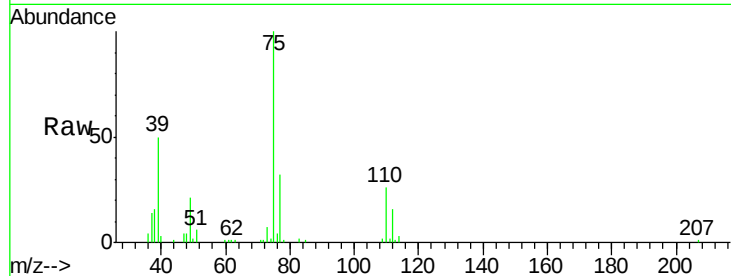
#53
t-1,3-Dichloropropene
Concen: 18.576 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion: 75 Resp: 64355
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0

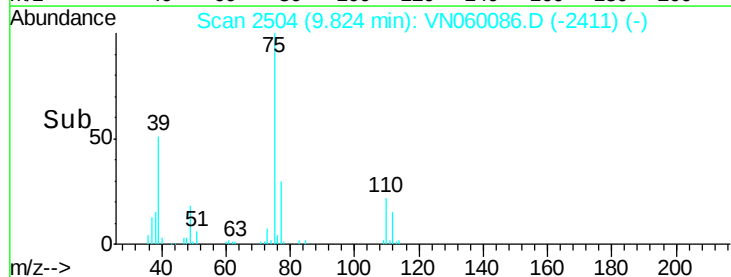
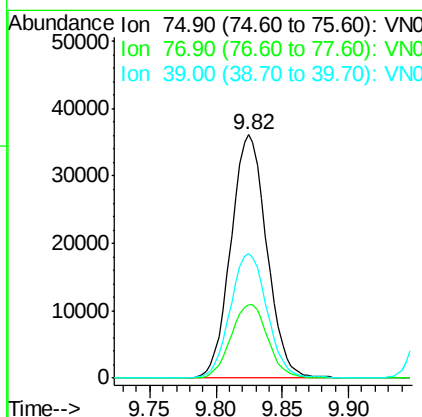
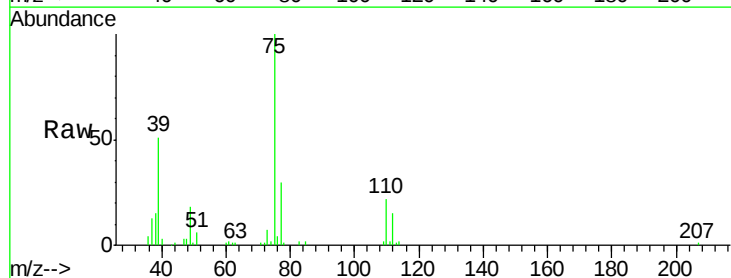
Manual Integrations
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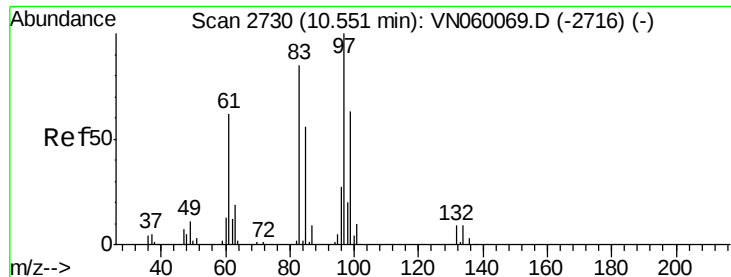
MMDadoda
2/14/2020 10:27:51 AM



#54
cis-1,3-Dichloropropene
Concen: 18.641 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion: 75 Resp: 68002
Ion Ratio Lower Upper
75 100
77 30.4 25.6 38.4
39 51.1 42.2 63.4





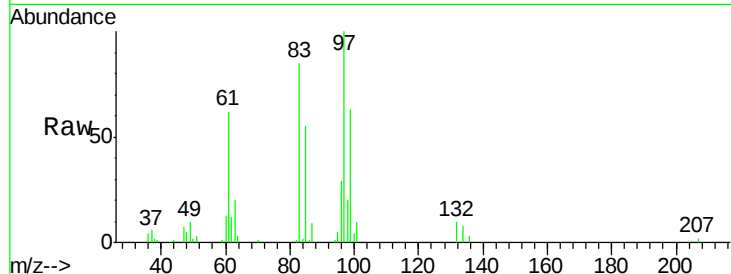
#55
 1,1,2-Trichloroethane
 Concen: 18.575 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion:	97	Resp:	40097
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.9	101.9
85	55.0	44.6	67.0
99	63.0	50.1	75.1

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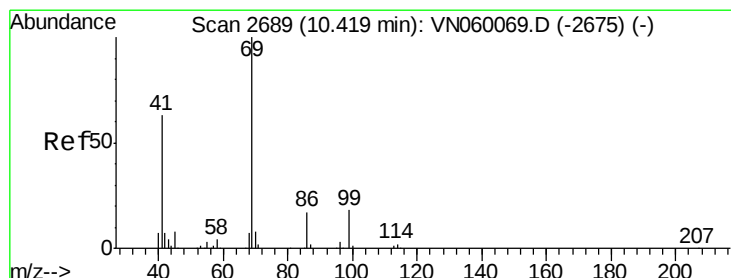
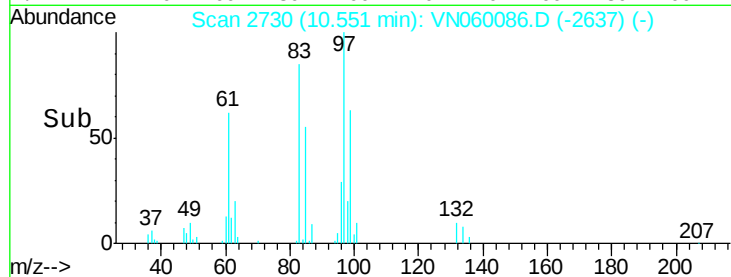
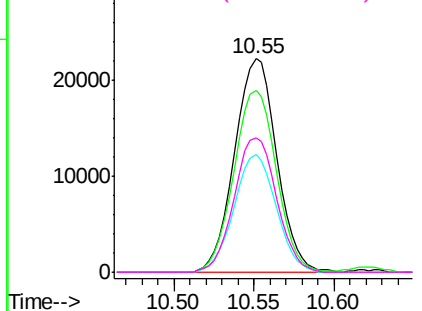


Abundance Ion 96.90 (96.60 to 97.60): VN060086.D (-2637) (-)

Ion 82.90 (82.60 to 83.60): VN060086.D (-2637) (-)

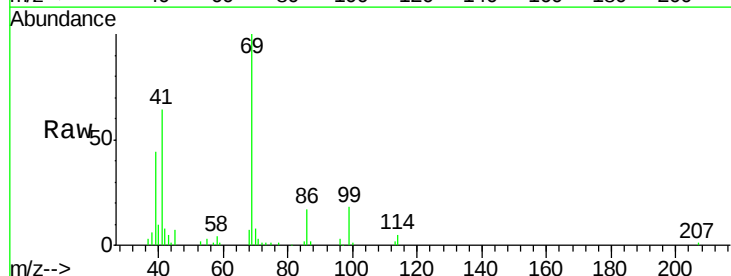
Ion 84.90 (84.60 to 85.60): VN060086.D (-2637) (-)

Ion 98.90 (98.60 to 99.60): VN060086.D (-2637) (-)



#56
 Ethyl methacrylate
 Concen: 18.832 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

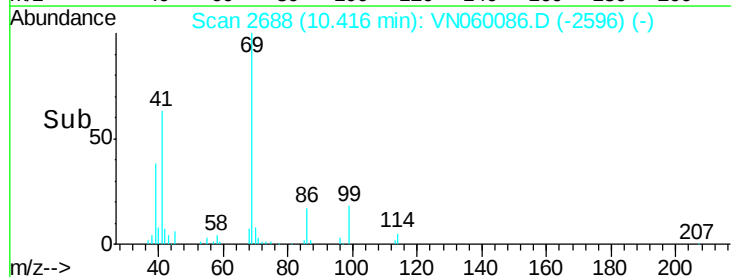
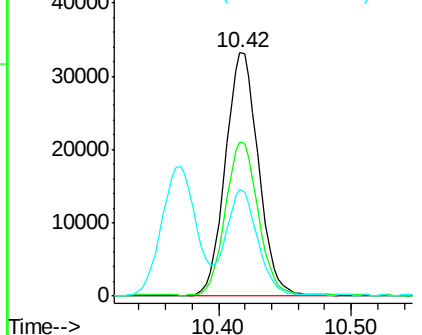
Tgt Ion:	69	Resp:	57507
Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.1	76.7
39	42.0	33.8	50.8

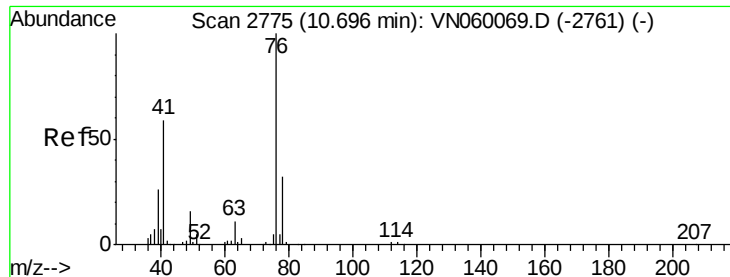


Abundance Ion 69.00 (68.70 to 69.70): VN060086.D (-2596) (-)

Ion 41.00 (40.70 to 41.70): VN060086.D (-2596) (-)

Ion 39.00 (38.70 to 39.70): VN060086.D (-2596) (-)





#57

1,3-Dichloropropane

Concen: 18.773 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion: 76 Resp: 66870

Ion Ratio Lower Upper

76 100

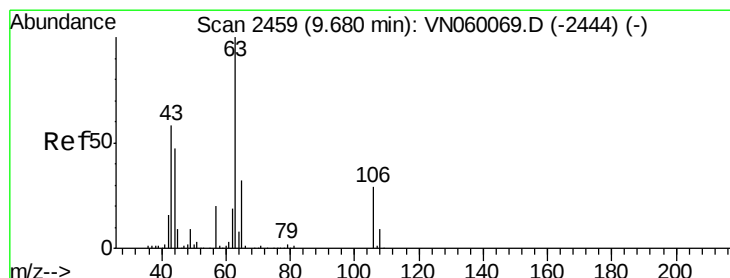
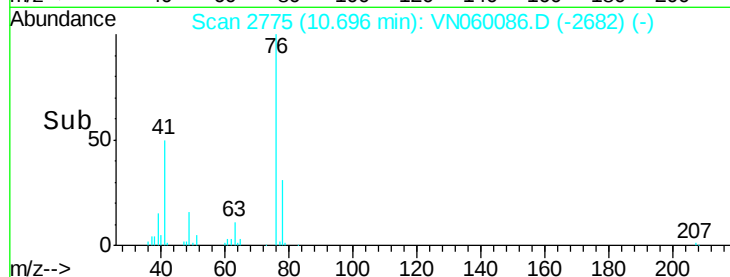
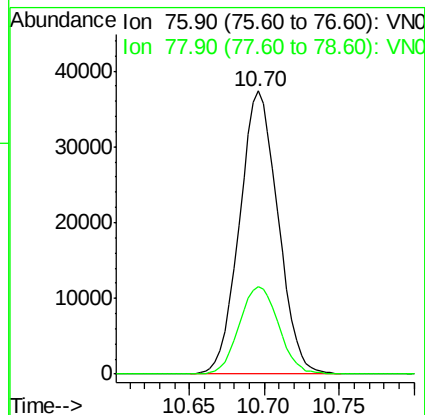
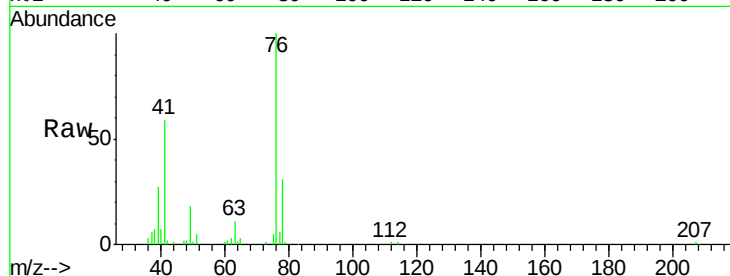
78 31.6 25.7 38.5

Manual Integrations

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2/14/2020 10:27:51 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.126 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060086.D

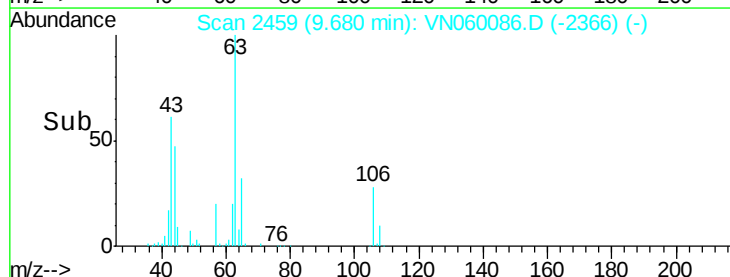
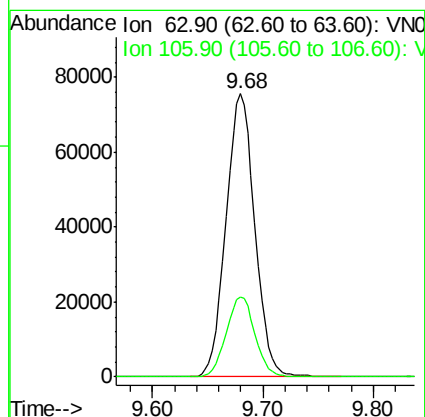
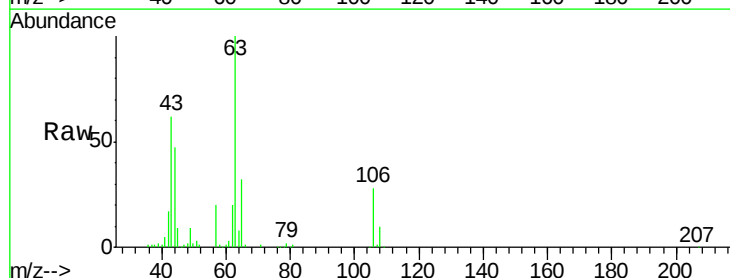
Acq: 13 Feb 2020 11:57

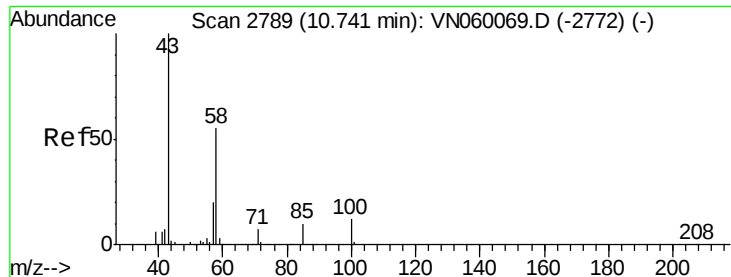
Tgt Ion: 63 Resp: 136753

Ion Ratio Lower Upper

63 100

106 28.3 22.9 34.3





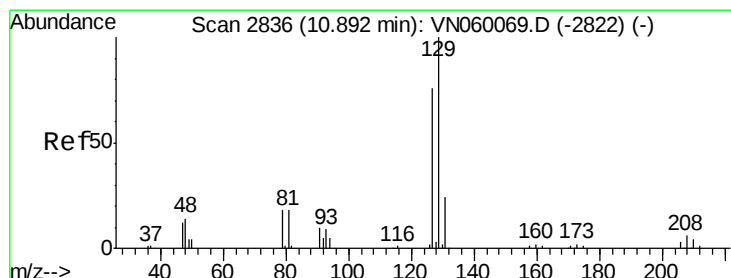
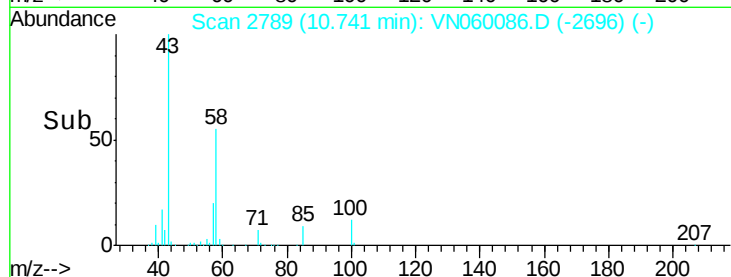
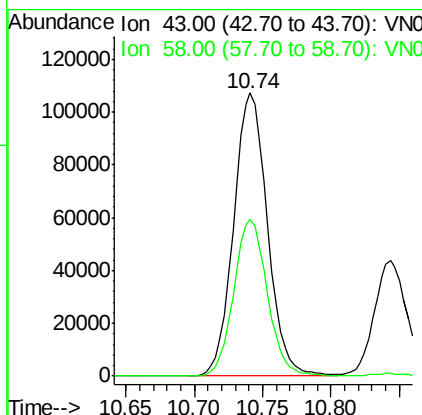
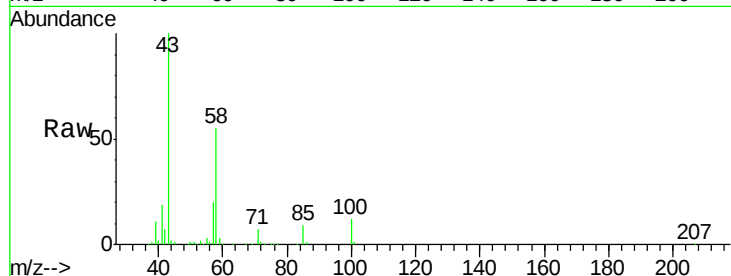
#59
2-Hexanone
Concen: 91.857 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion: 43 Resp: 184571
Ion Ratio Lower Upper
43 100
58 55.0 27.5 82.4

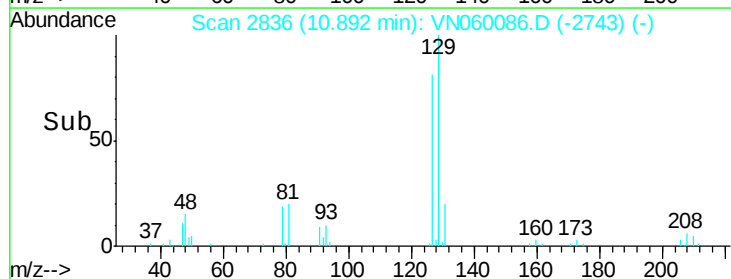
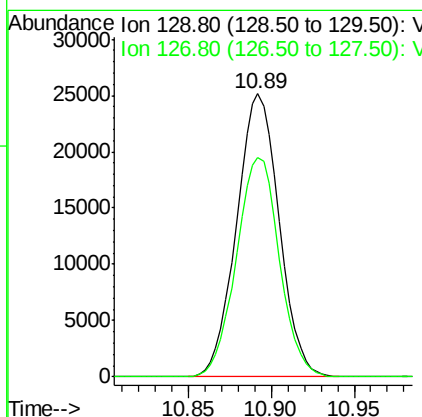
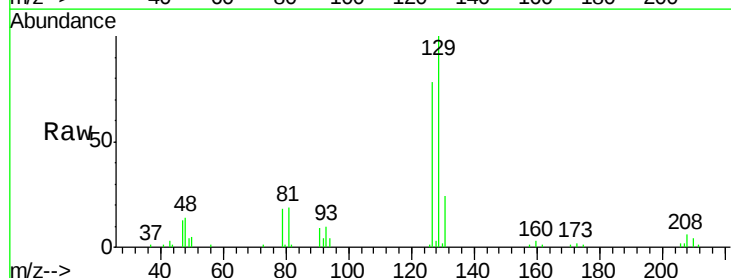
Manual Integrations
APPROVED

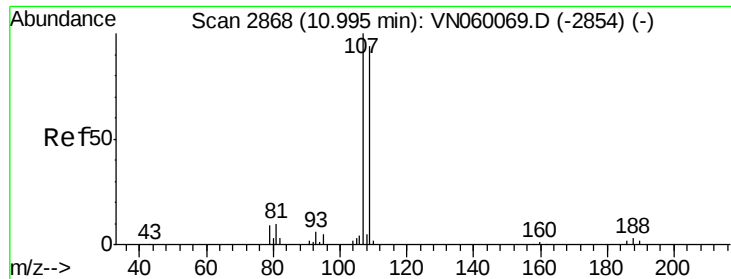
MMDadoda
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#60
Dibromochloromethane
Concen: 18.123 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion: 129 Resp: 44895
Ion Ratio Lower Upper
129 100
127 78.3 38.0 114.1





#61

1,2-Dibromoethane

Concen: 18.827 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion:107 Resp: 42605

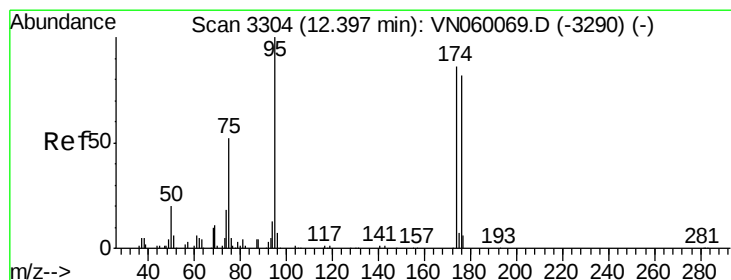
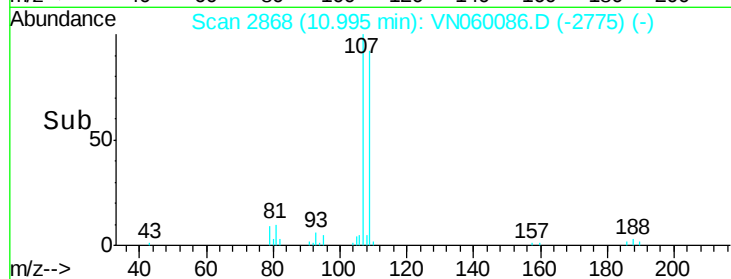
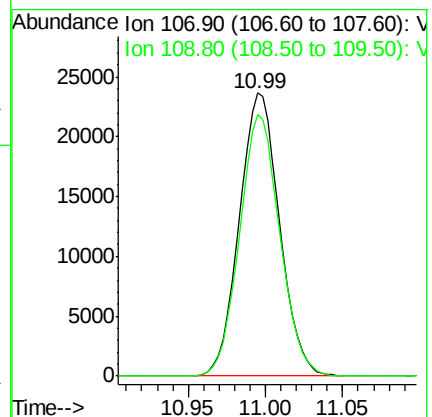
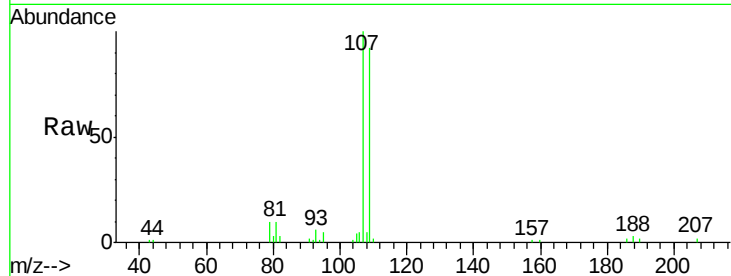
Ion Ratio Lower Upper

107 100

109 92.7 75.4 113.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 48.397 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

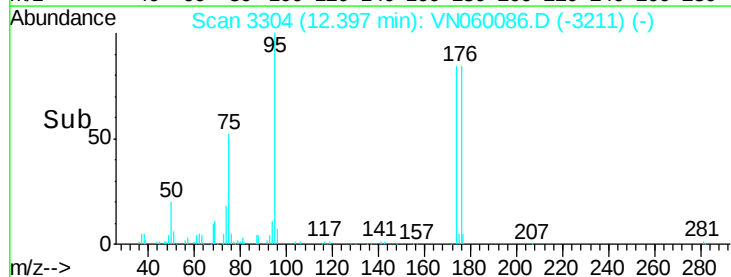
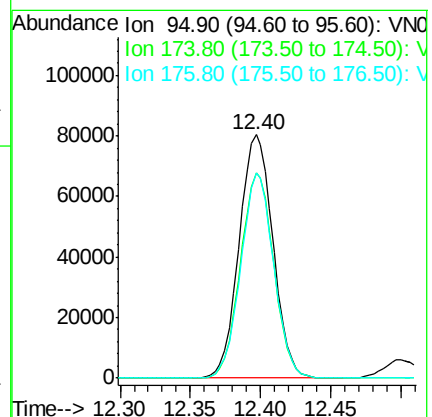
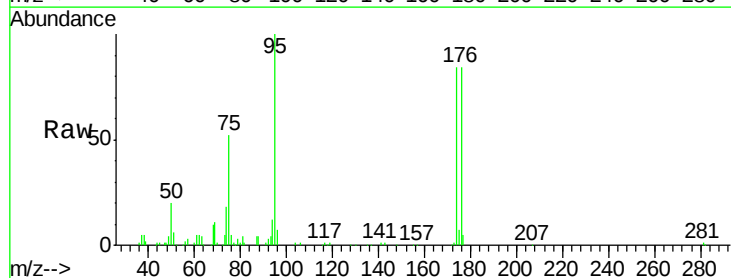
Tgt Ion: 95 Resp: 135191

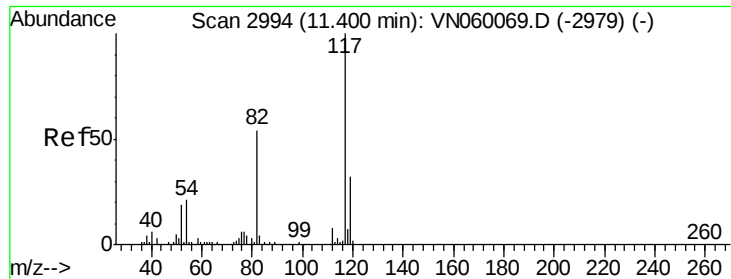
Ion Ratio Lower Upper

95 100

174 83.1 0.0 169.8

176 81.9 0.0 164.8





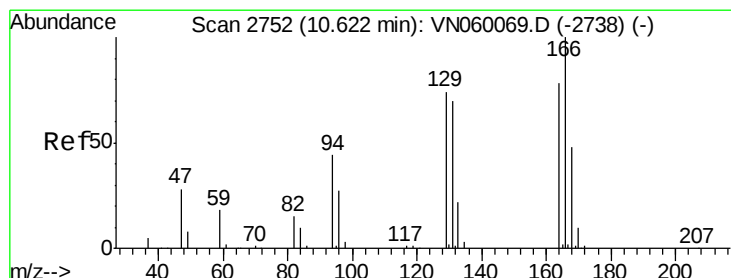
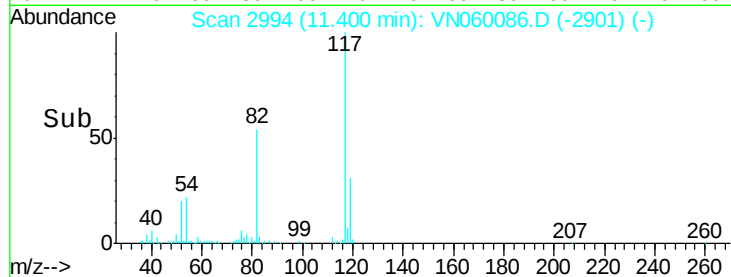
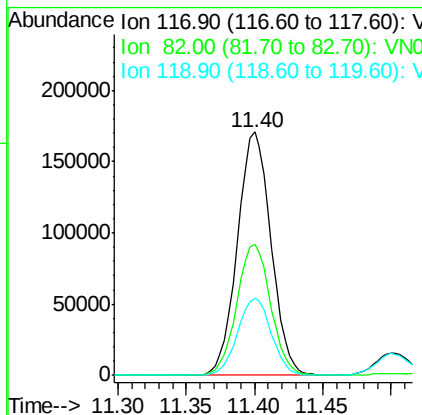
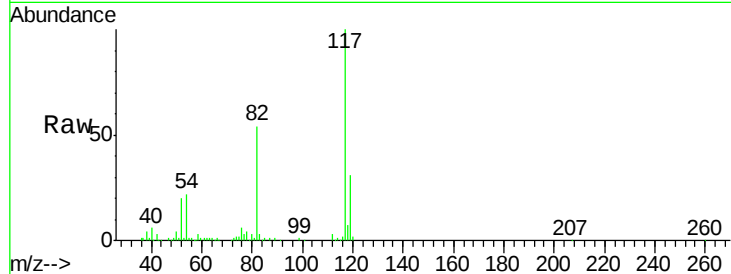
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	292635		
82	53.8		43.4	65.0
119	31.5		25.8	38.6

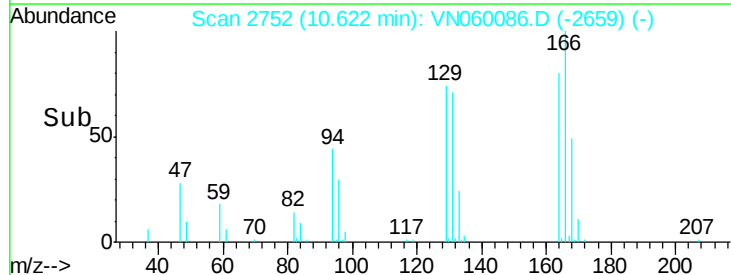
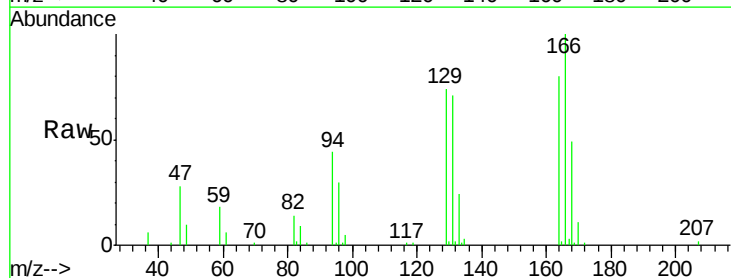
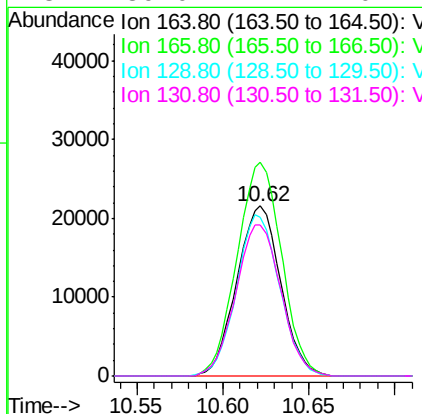
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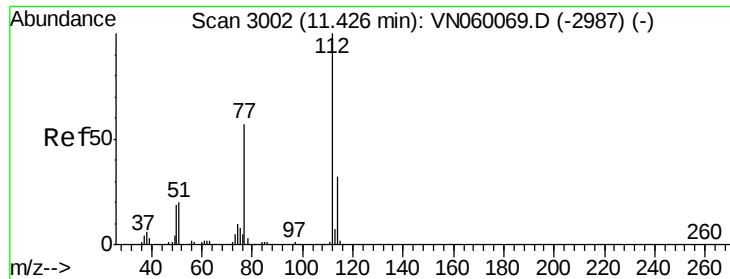
MMDadoda
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#64
Tetrachloroethene
Concen: 17.173 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38203		
166	125.7		101.9	152.9
129	93.4		75.4	113.0
131	89.0		71.4	107.2





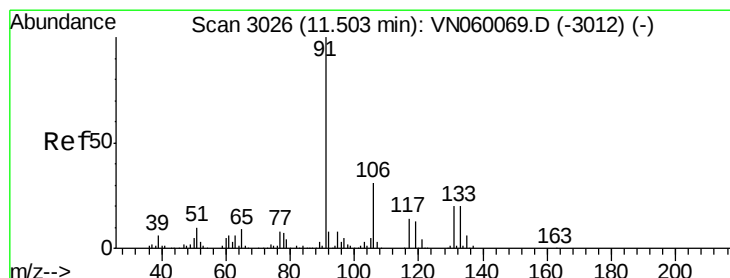
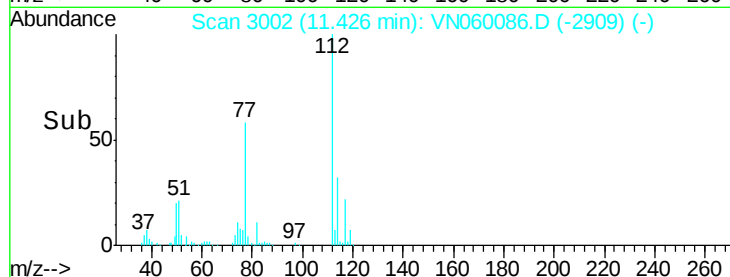
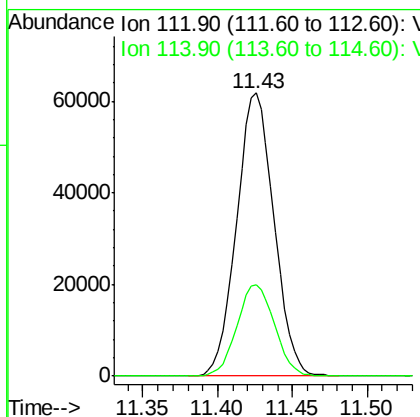
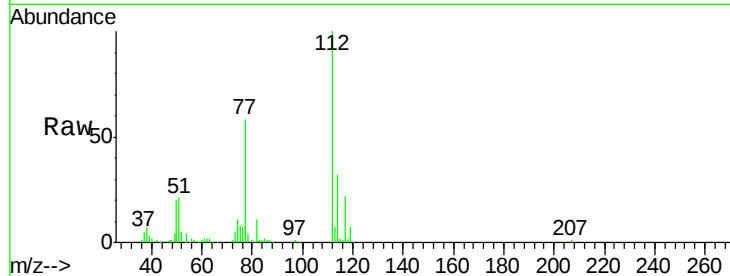
#65
Chlorobenzene
Concen: 18.030 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.0

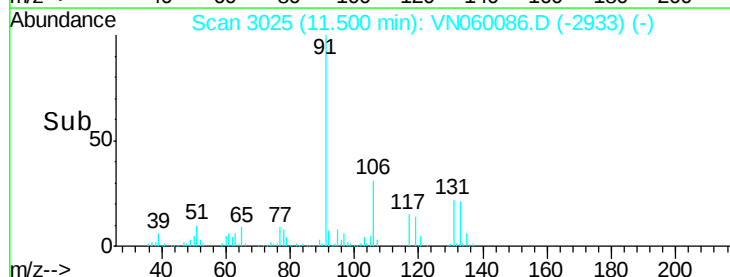
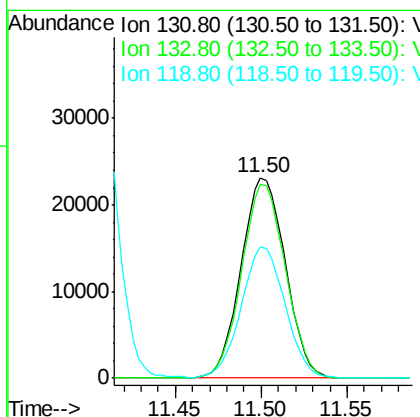
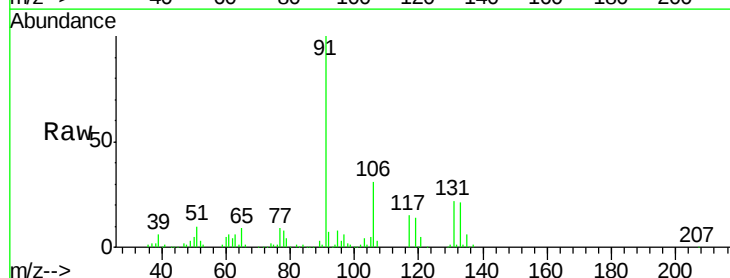
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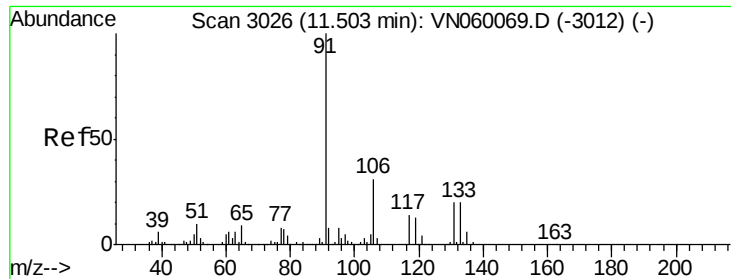
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.324 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.9	143.7
119	65.1	32.6	97.7





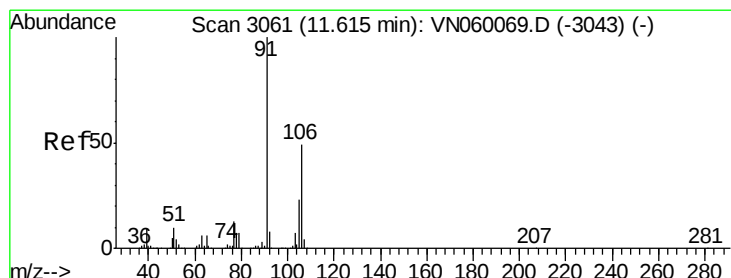
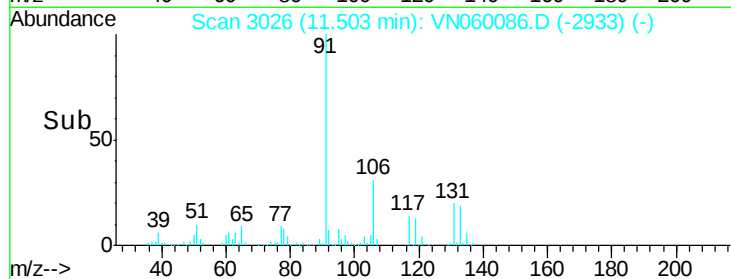
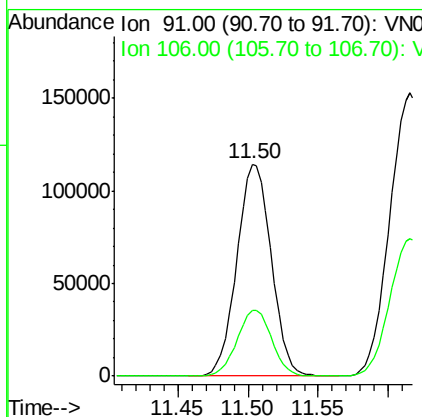
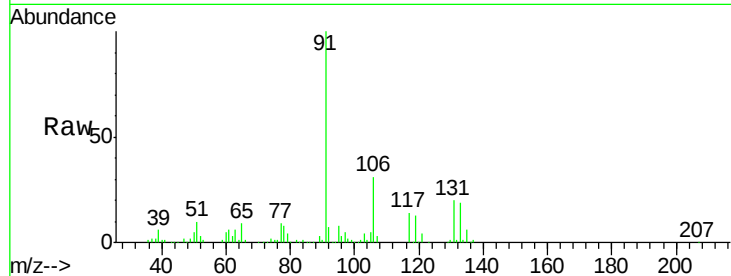
#67
Ethyl Benzene
Concen: 18.228 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampled :
VN0213WBSD01

Tot Ion: 91 Resp: 196008
Ion Ratio Lower Upper
91 100
106 31.0 25.1 37.7

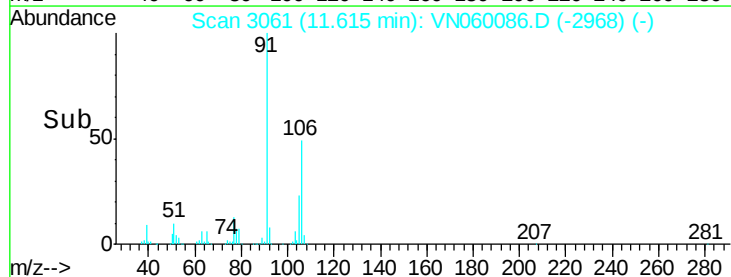
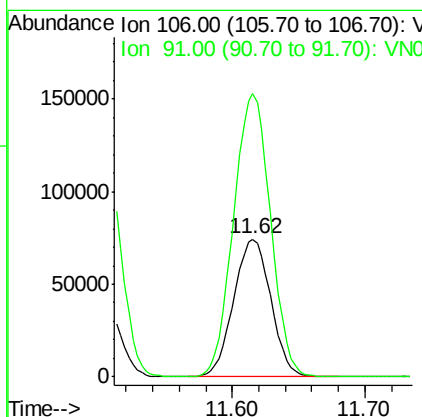
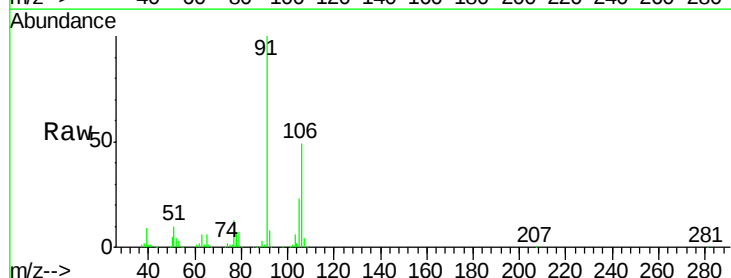
Manual Integrations
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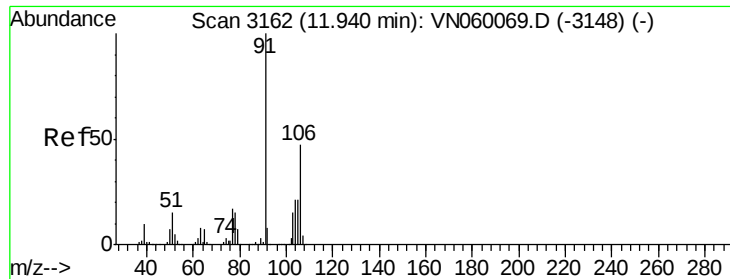
MMDadoda
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#68
m/p-Xylenes
Concen: 35.839 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion: 106 Resp: 144636
Ion Ratio Lower Upper
106 100
91 204.1 162.7 244.1





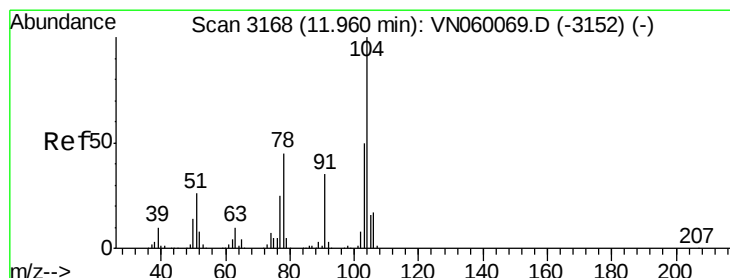
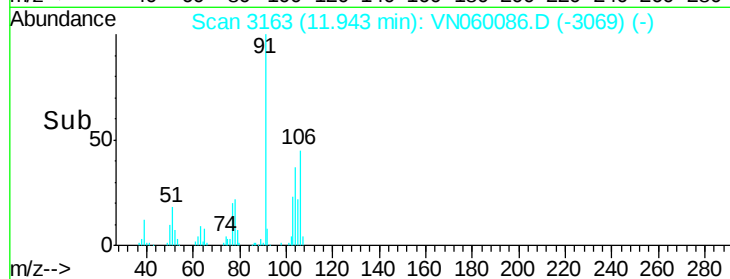
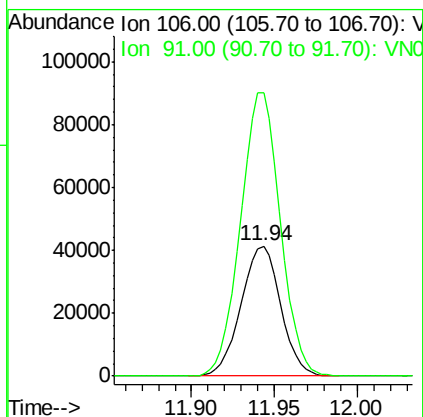
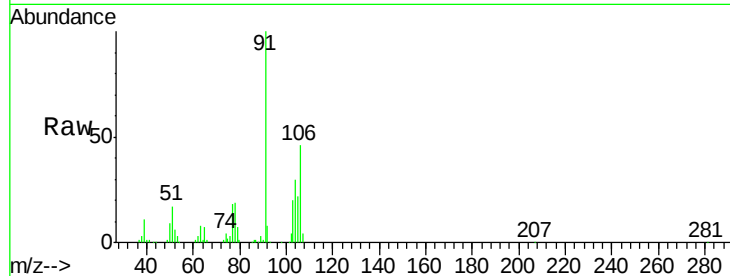
#69
o-Xylene
Concen: 17.717 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion:106 Resp: 68844
Ion Ratio Lower Upper
106 100
91 218.4 107.2 321.6

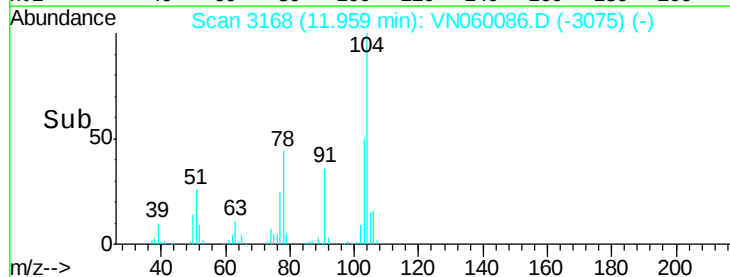
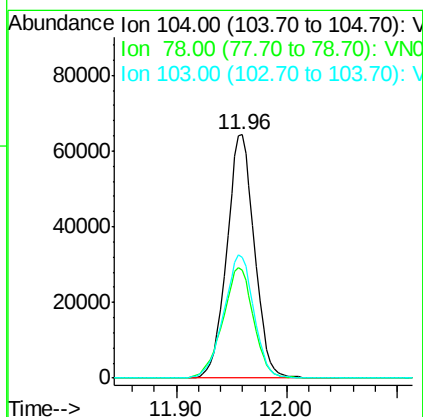
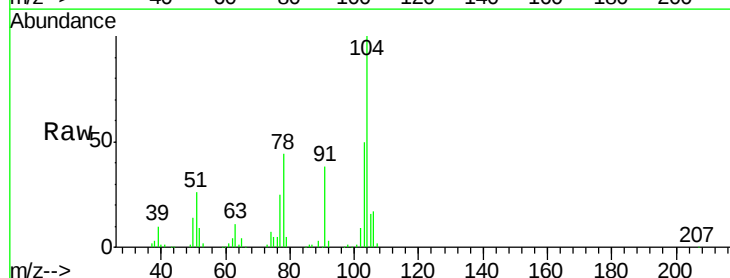
Manual Integrations
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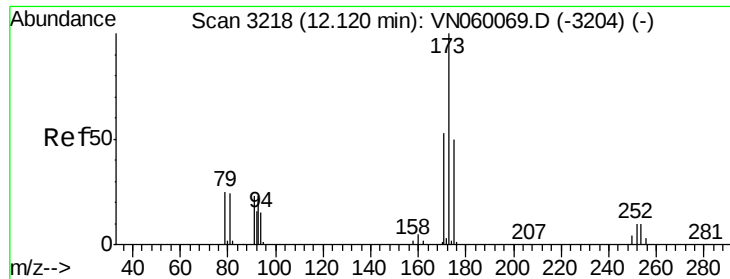
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#70
Styrene
Concen: 17.812 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion:104 Resp: 111612
Ion Ratio Lower Upper
104 100
78 50.3 40.2 60.2
103 55.0 44.3 66.5





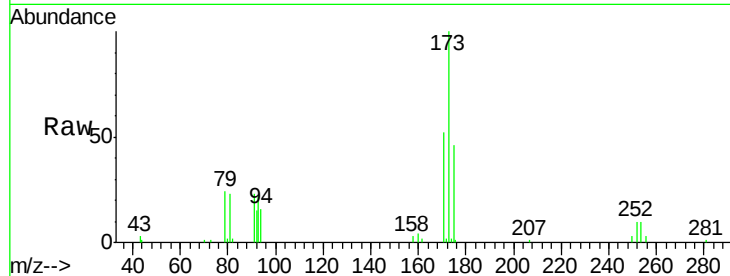
#71
Bromoform
Concen: 18.062 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.9	74.6
254	0.0	0.0	0.0

Manual Integrations
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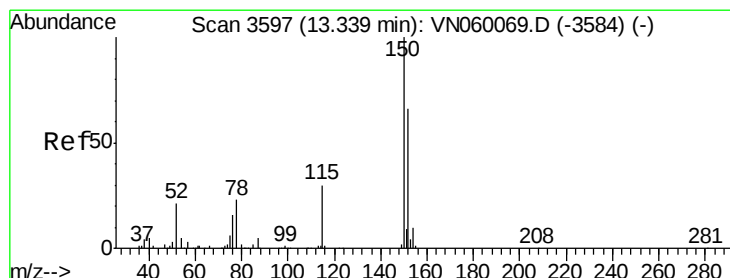
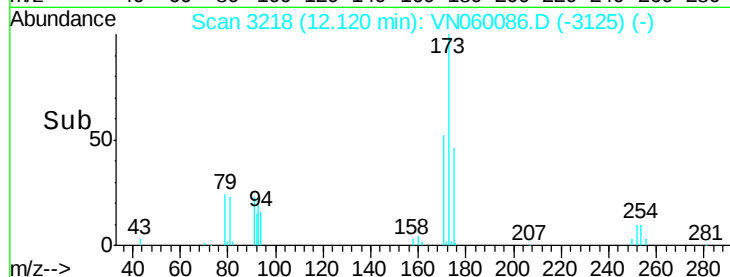
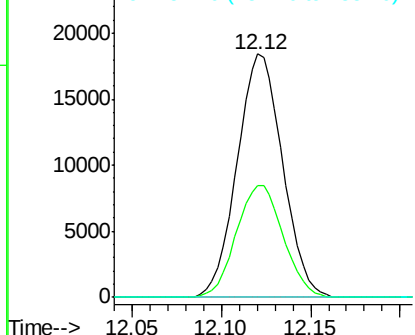


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

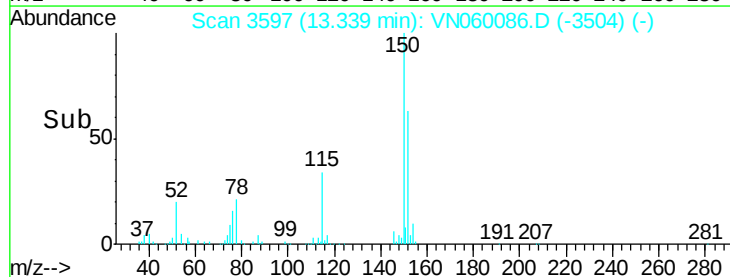
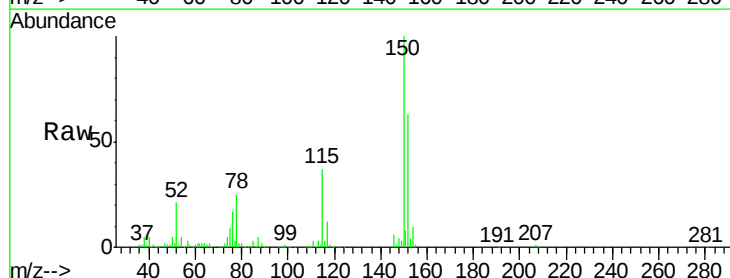
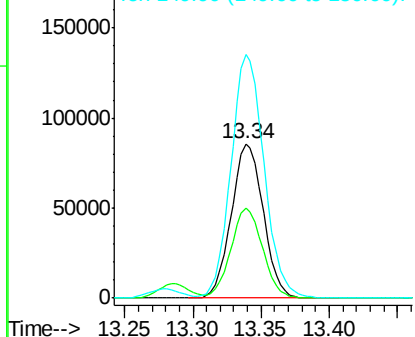
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.9	86.8
150	162.4	0.0	342.4

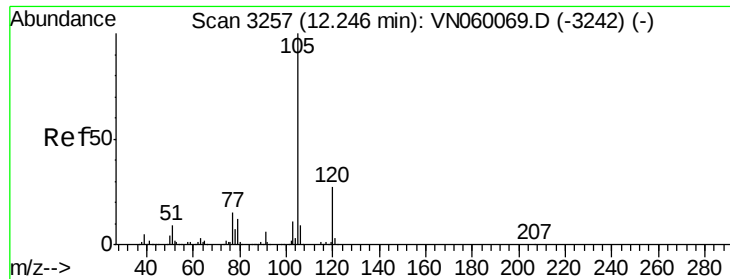
Abundance

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: 17.937 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion: 105 Resp: 186965

Ion Ratio Lower Upper

105 100

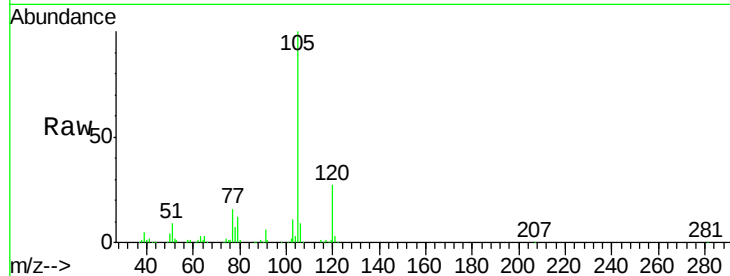
120 26.7 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

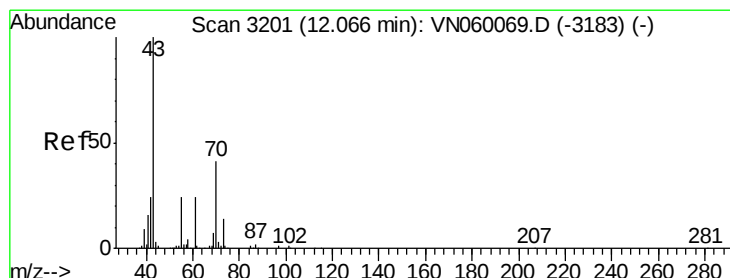
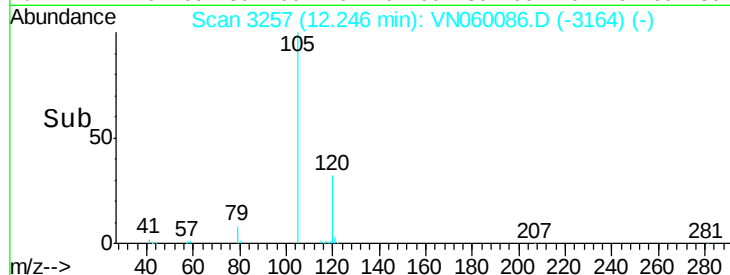
12.25

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.108 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Tgt Ion: 43 Resp: 71820

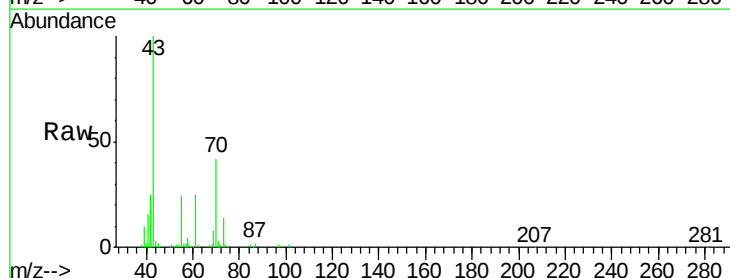
Ion Ratio Lower Upper

43 100

70 41.4 33.4 50.0

55 23.3 18.8 28.2

61 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

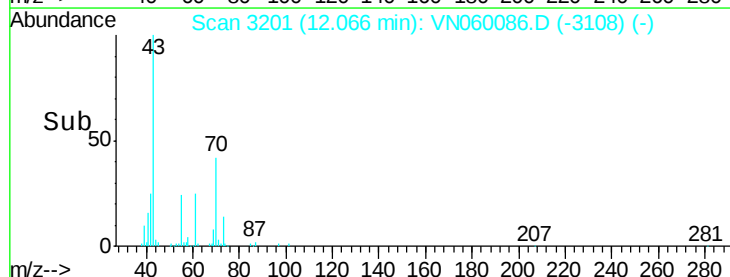
60000

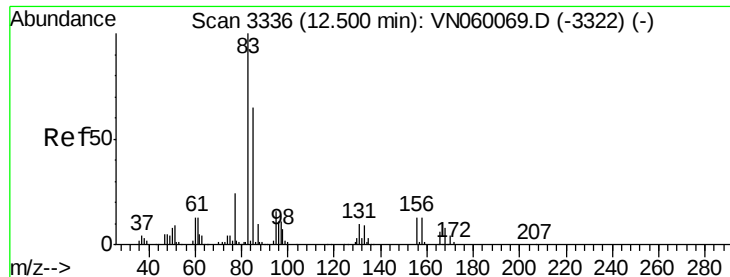
40000

20000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.305 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Instrument :

MSVOA_N

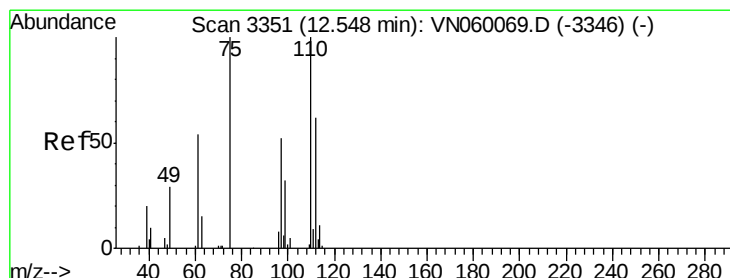
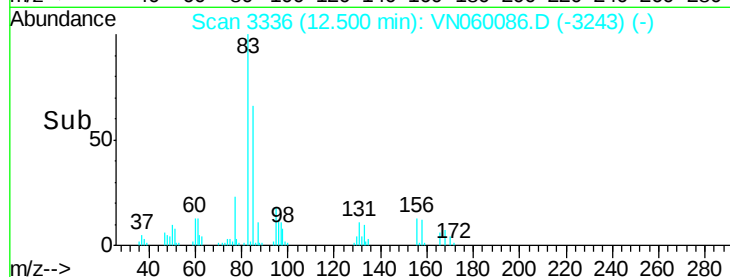
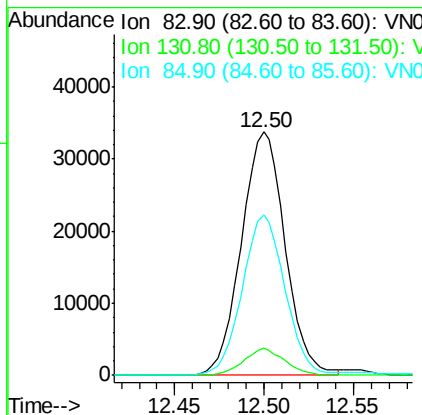
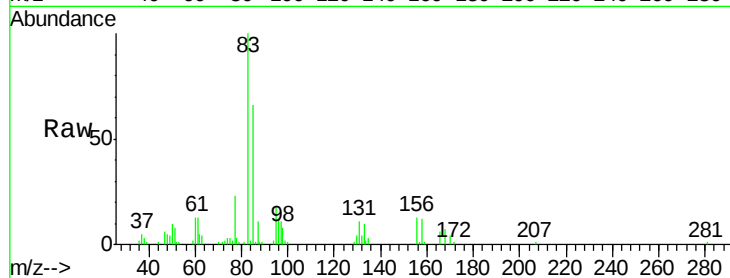
ClientSampleId :

VN0213WBSD01

Tot Ion:	83	Resp:	57920
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	65.5	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 19.462 ug/l m

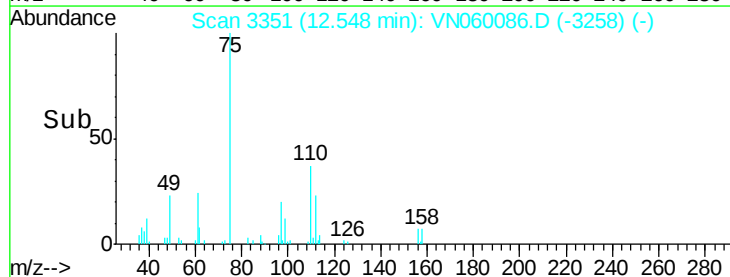
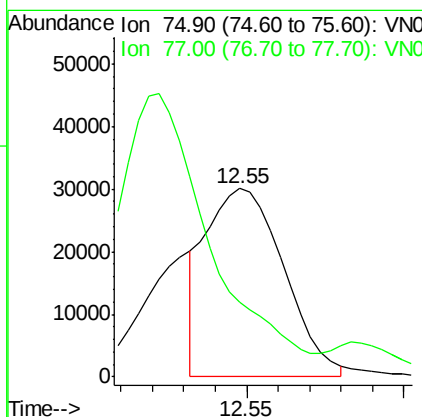
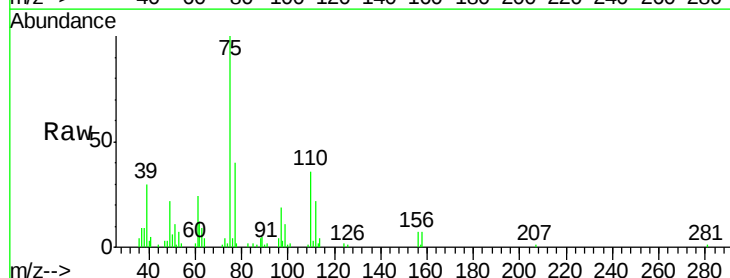
RT: 12.55 min Scan# 3351

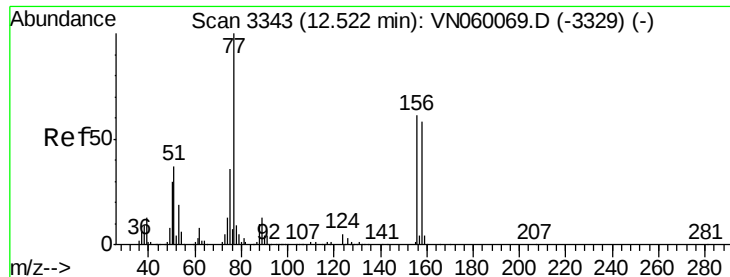
Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Tgt Ion:	75	Resp:	51974
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.351 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Instrument :

MSVOA_N

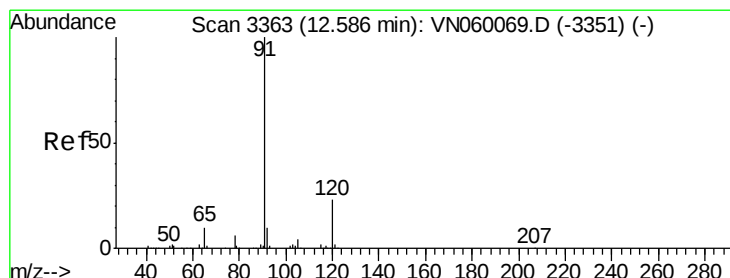
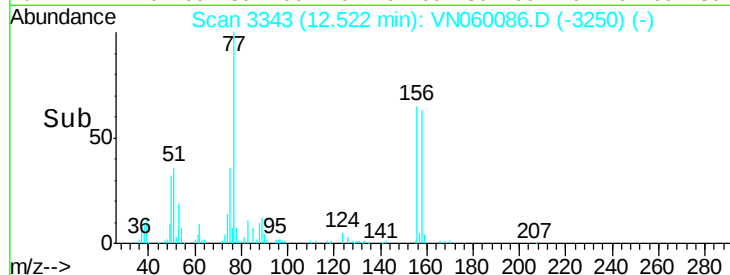
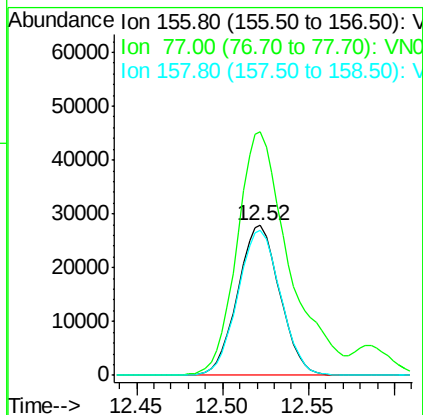
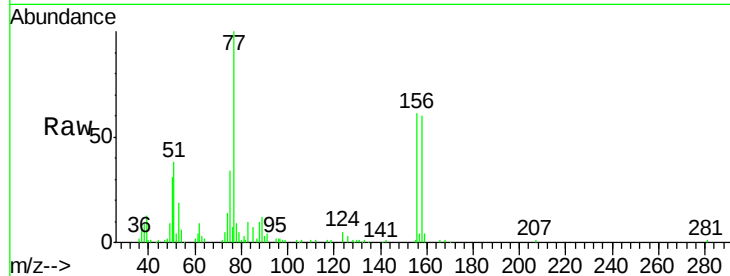
ClientSampleId :

VN0213WBSD01

Tot Ion:	156	Resp:	47470
Ion	Ratio	Lower	Upper
156	100		
77	201.0	98.7	296.1
158	97.9	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 17.981 ug/l

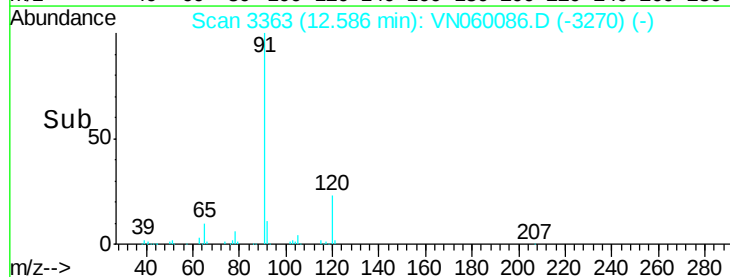
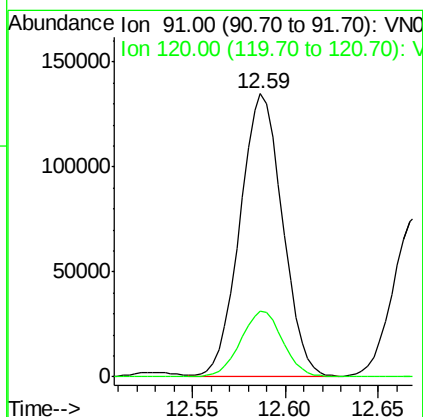
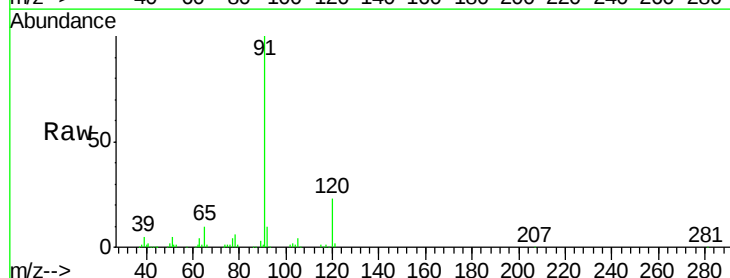
RT: 12.59 min Scan# 3363

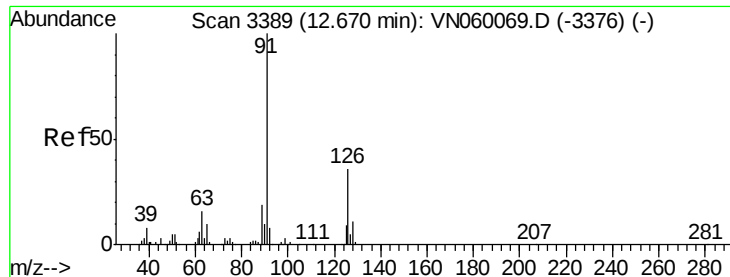
Delta R.T. -0.00 min

Lab File: VN060086.D

Acq: 13 Feb 2020 11:57

Tgt Ion:	91	Resp:	213533
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.5





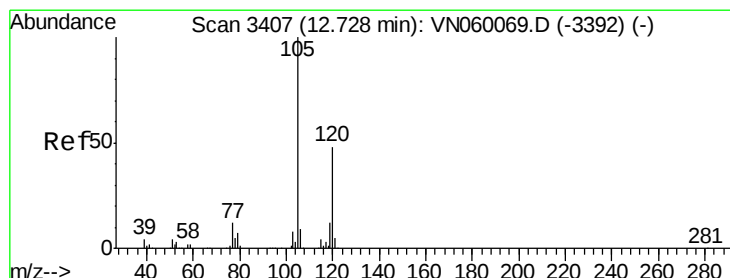
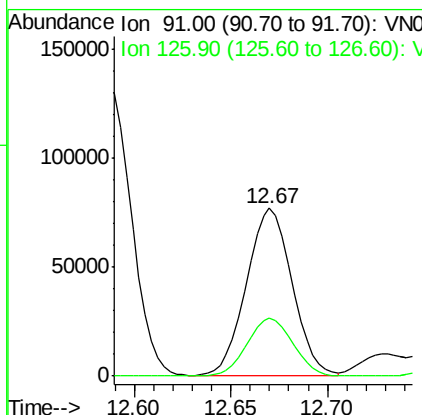
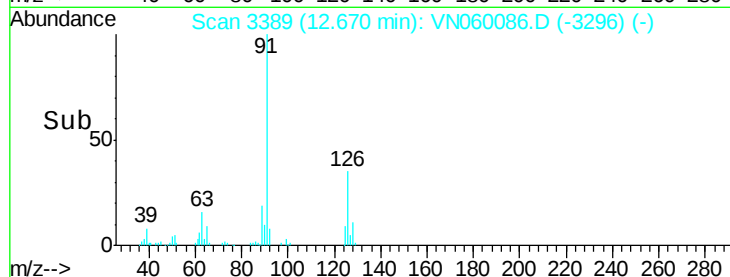
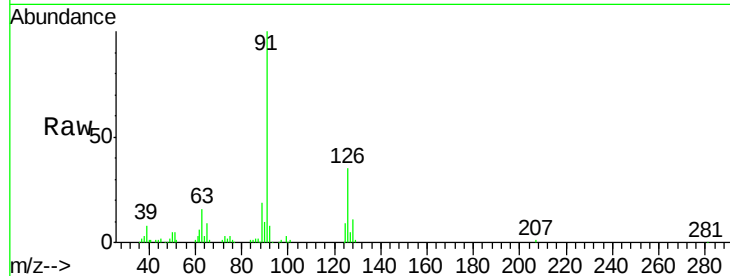
#79
 2-Chlorotoluene
 Concen: 18.081 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion: 91 Resp: 126207
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.4 52.2

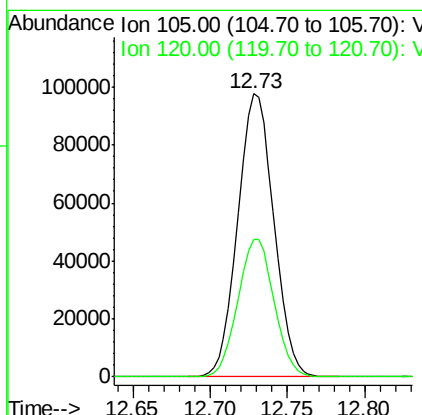
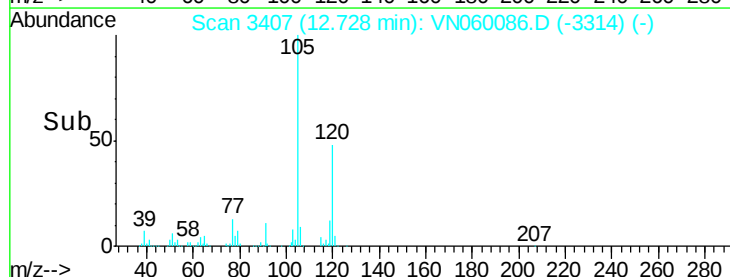
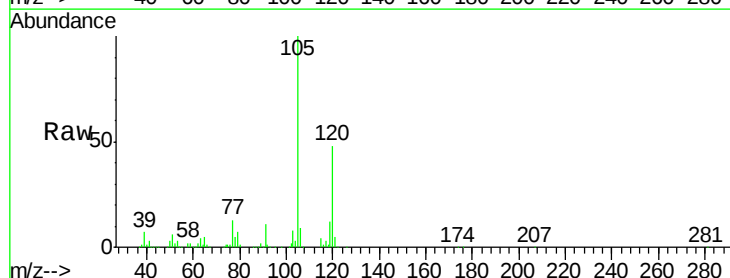
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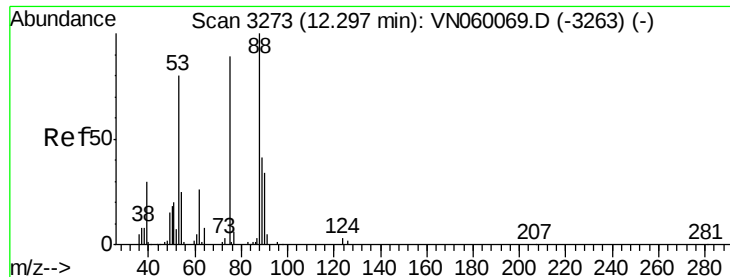
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.267 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Tgt Ion: 105 Resp: 158313
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.9





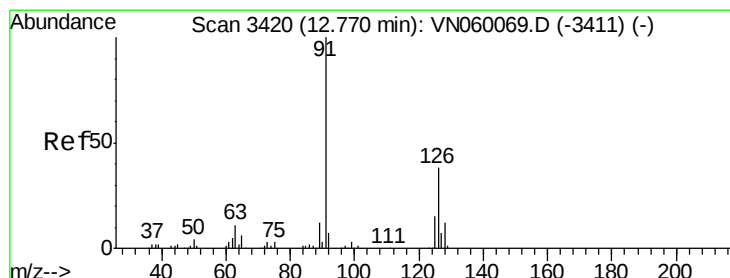
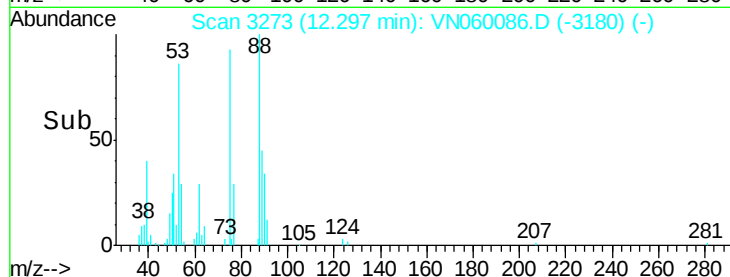
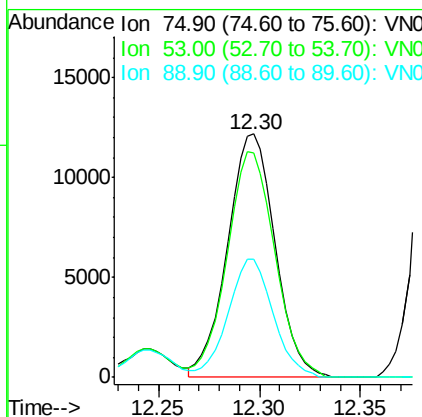
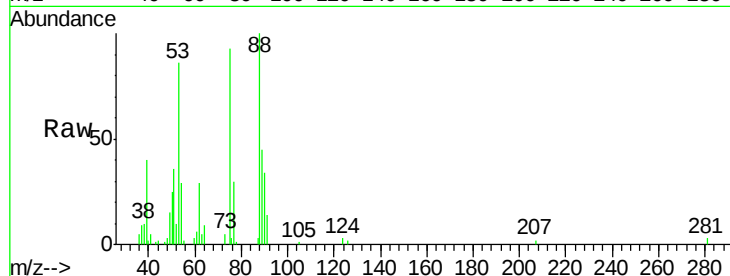
#81
trans-1,4-Dichloro-2-butene
Concen: 18.421 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.3	73.9	110.9
89	46.4	37.0	55.4

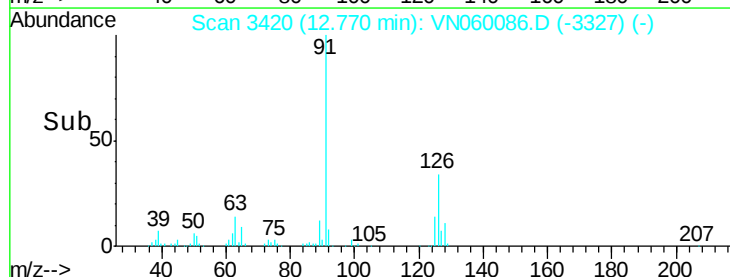
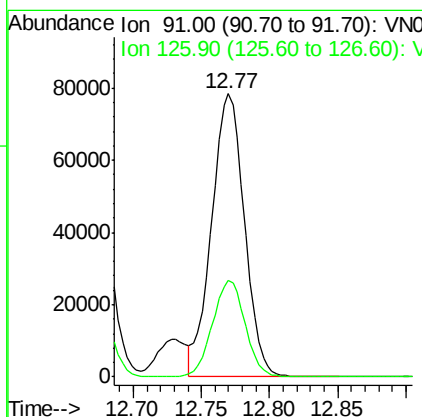
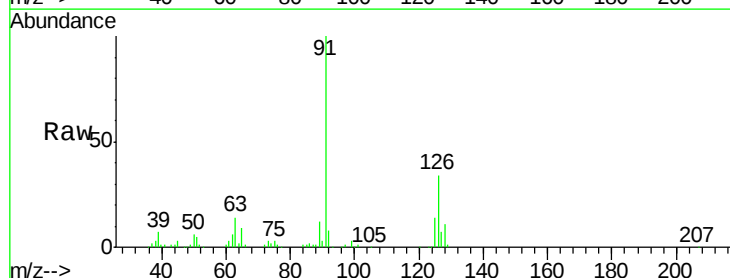
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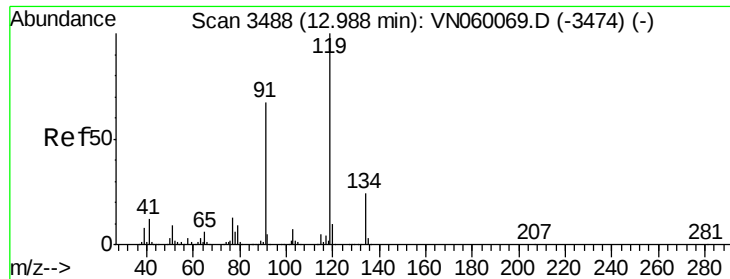
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#82
4-Chlorotoluene
Concen: 18.281 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.1	51.3





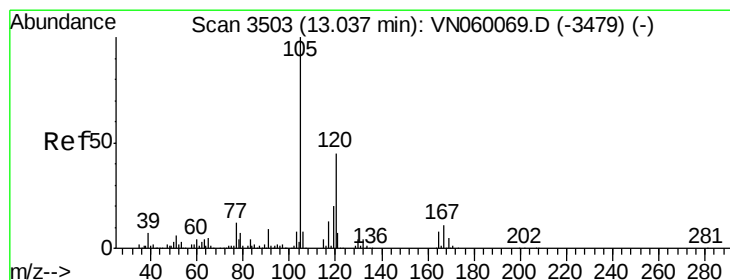
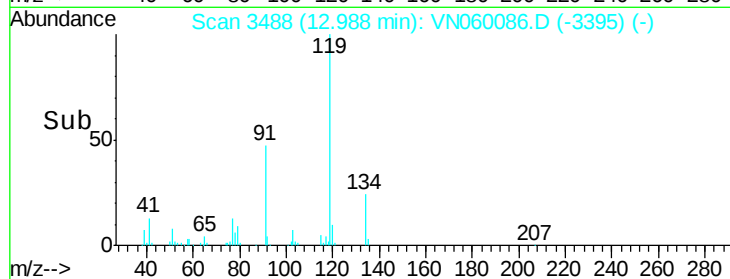
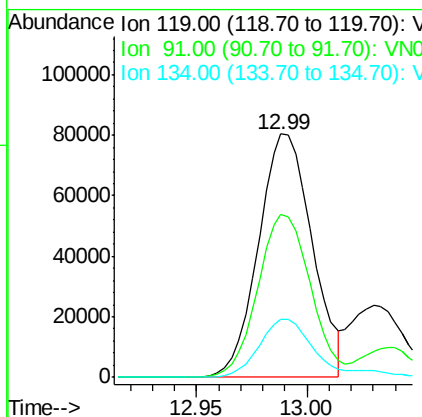
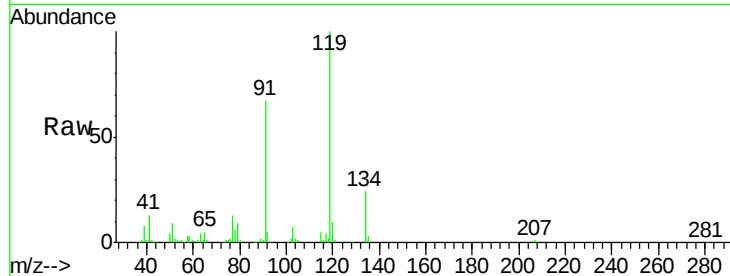
#83
 tert-Butylbenzene
 Concen: 17.633 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.9	32.7	98.1
134	23.5	12.9	38.7

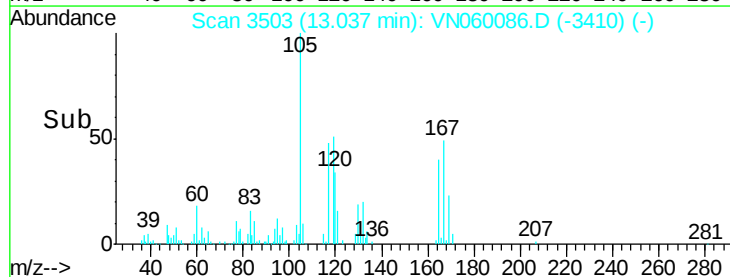
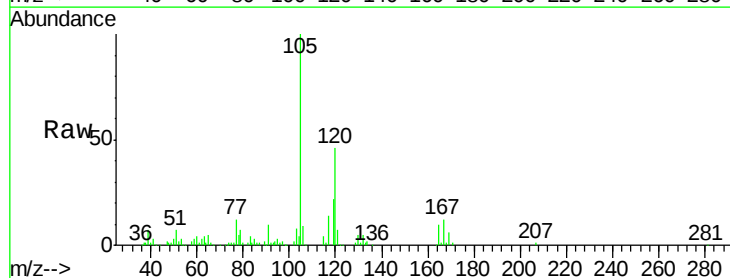
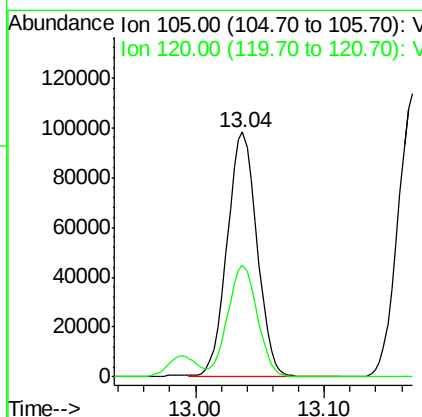
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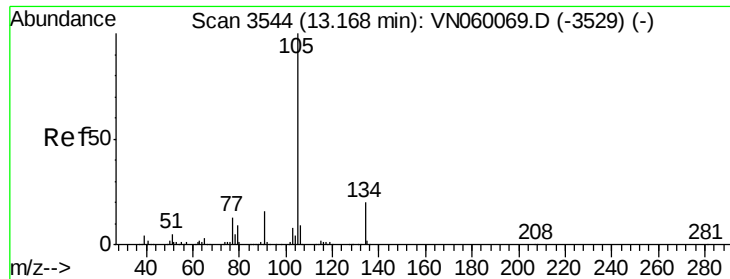
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.450 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.4	67.3





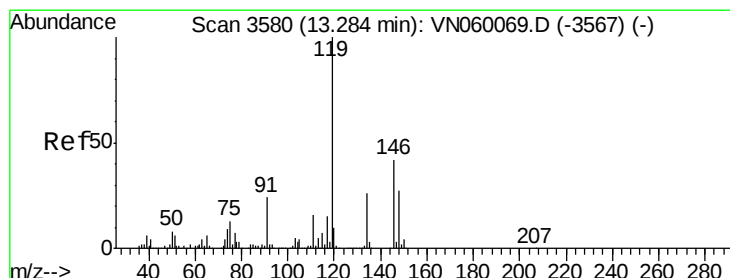
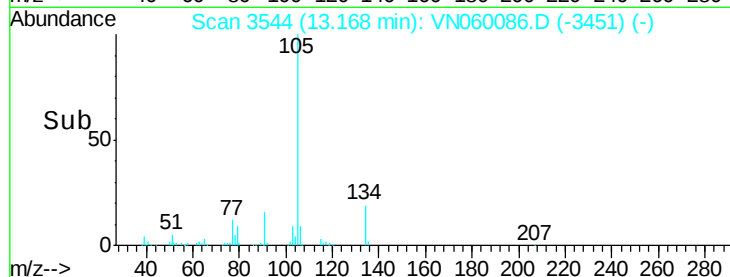
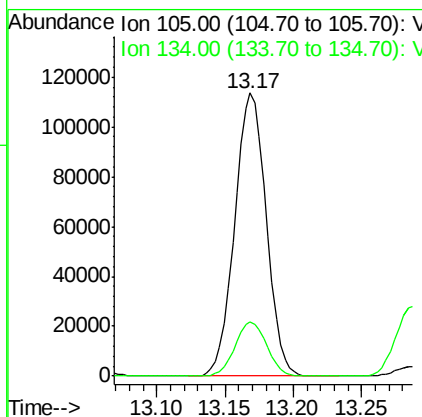
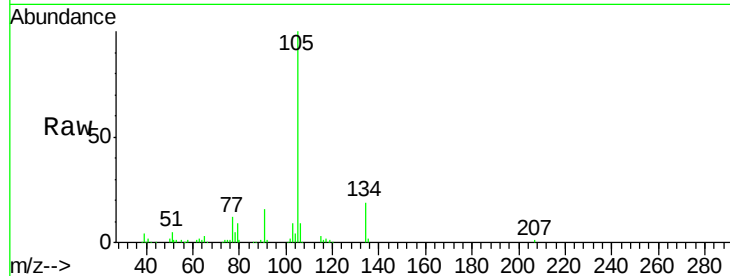
#85
 sec-Butylbenzene
 Concen: 17.949 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	182246		
134	19.2	9.9	29.7	

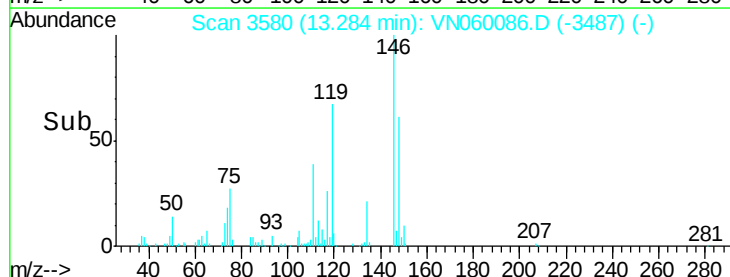
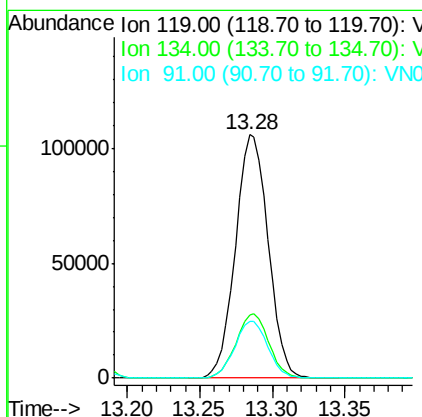
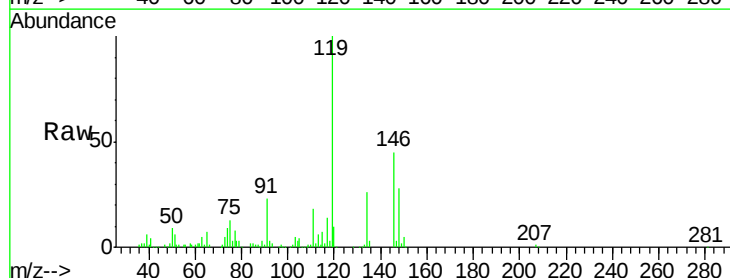
Manual Integrations
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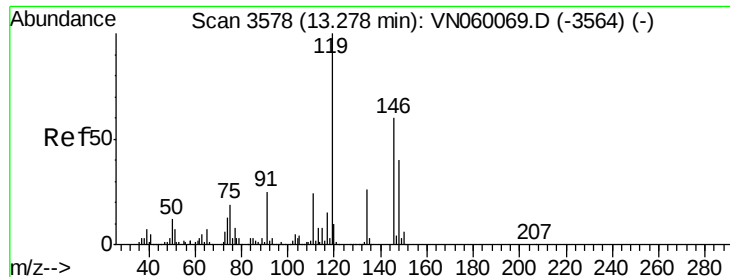
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#86
 p-Isopropyltoluene
 Concen: 18.092 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	166430		
134	26.3	13.3	39.8	
91	23.6	11.9	35.9	





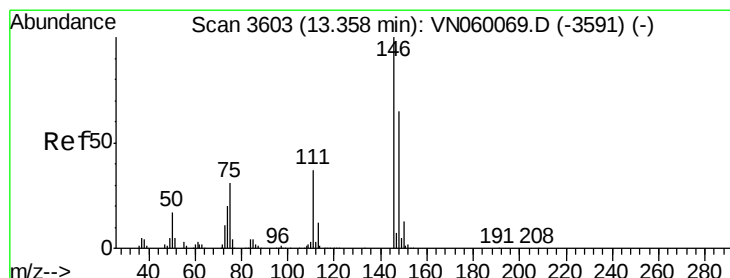
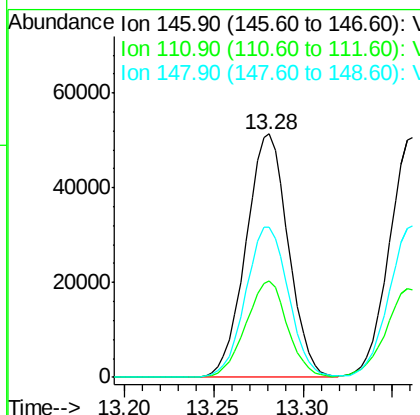
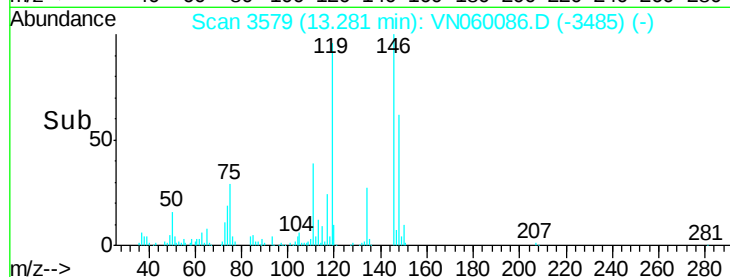
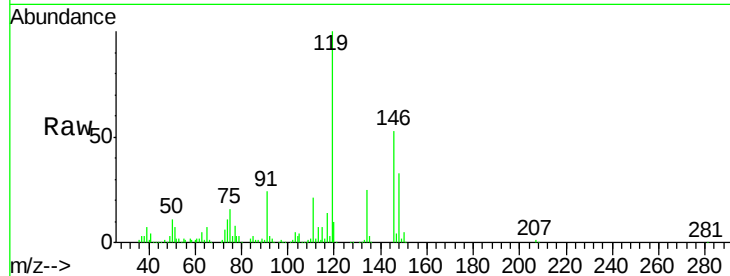
#87
 1,3-Dichlorobenzene
 Concen: 18.588 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.3
148	62.5	32.0	96.2

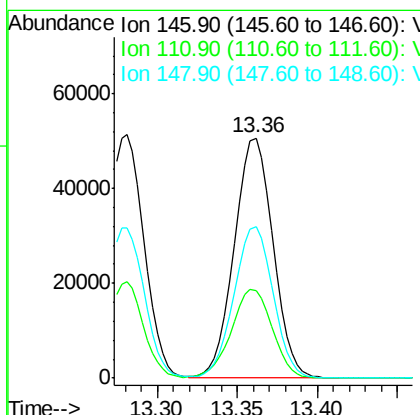
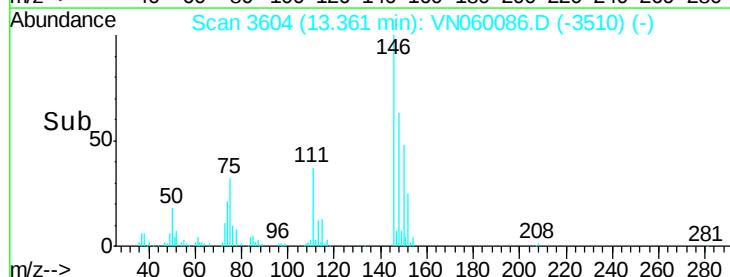
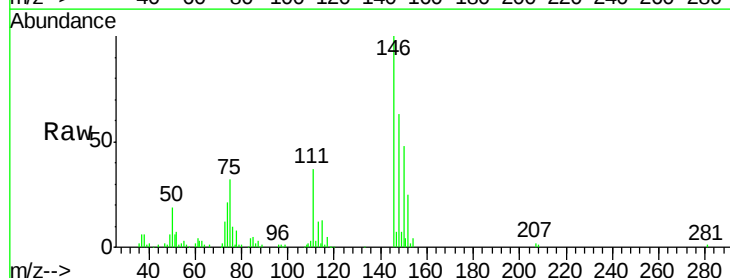
Manual Integrations
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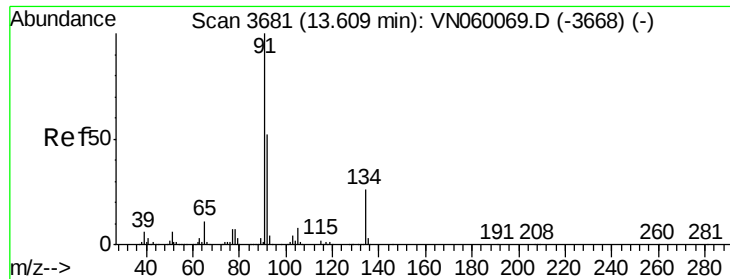
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#88
 1,4-Dichlorobenzene
 Concen: 18.311 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.9	56.5
148	63.6	32.0	96.0





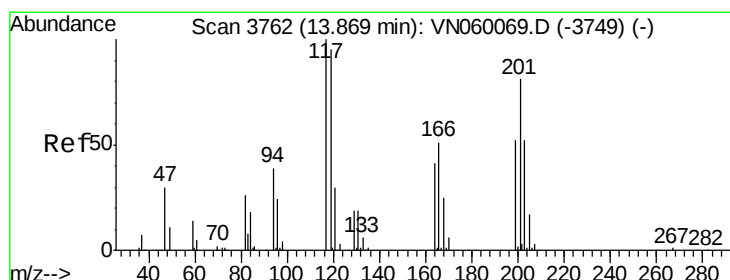
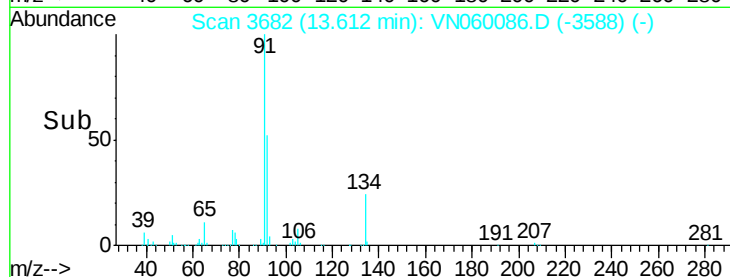
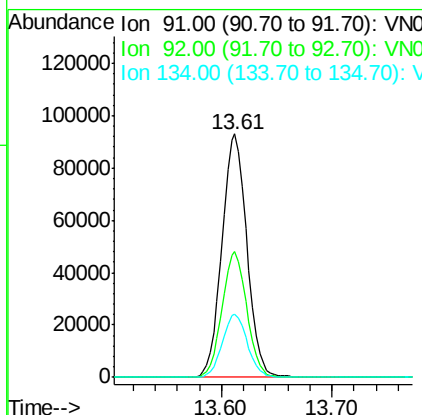
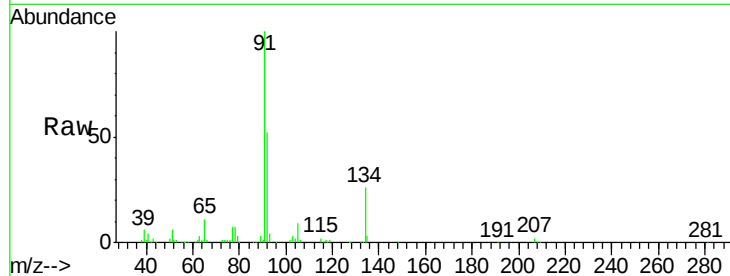
#89
n-Butylbenzene
Concen: 18.046 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.1	78.2
134	25.9	13.1	39.3

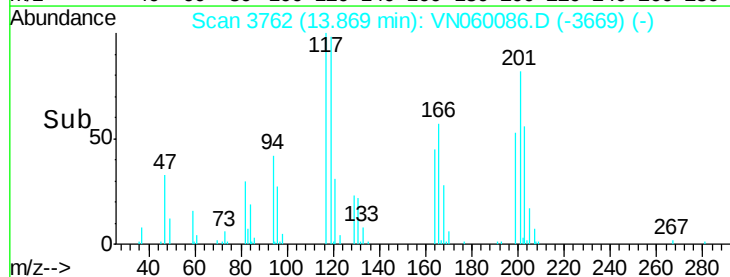
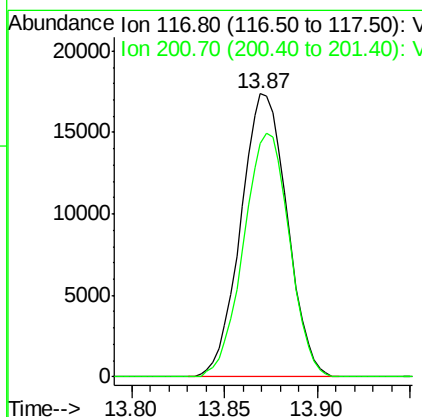
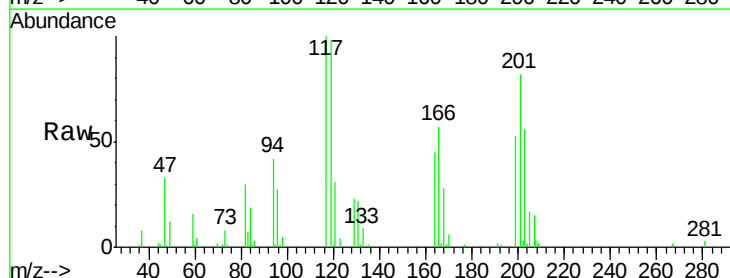
Manual Integrations
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#90
Hexachloroethane
Concen: 17.577 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	41.7	125.1





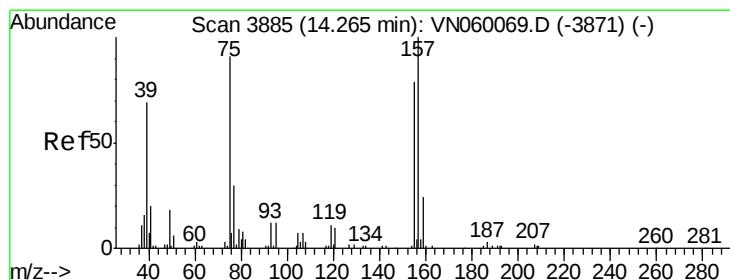
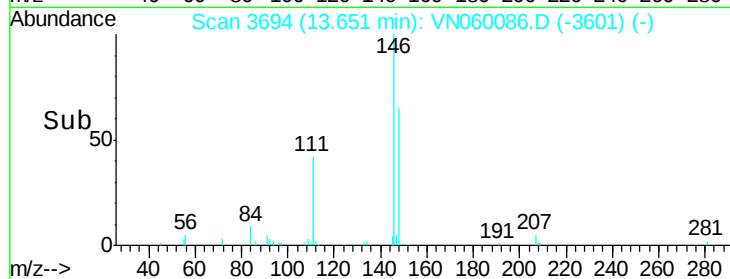
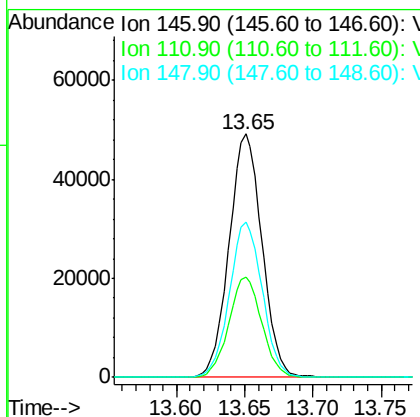
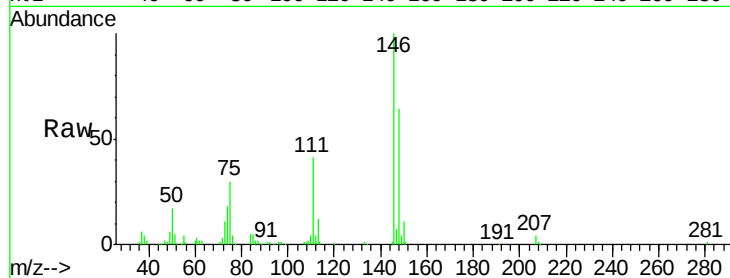
#91
 1,2-Dichlorobenzene
 Concen: 18.368 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.1	60.2
148	63.6	31.9	95.5

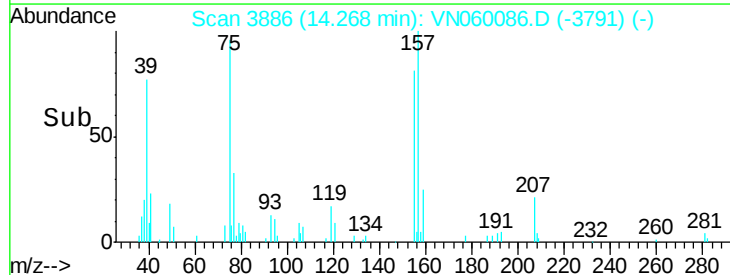
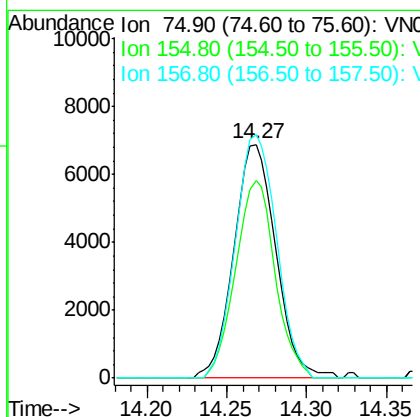
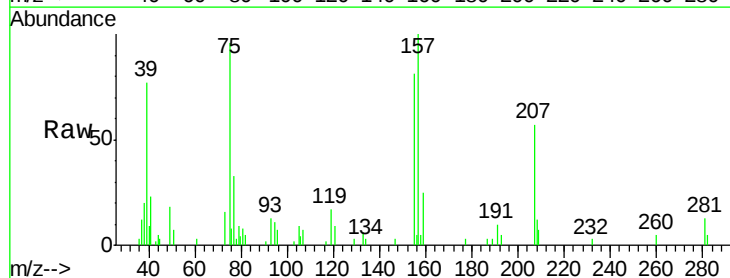
Manual Integrations
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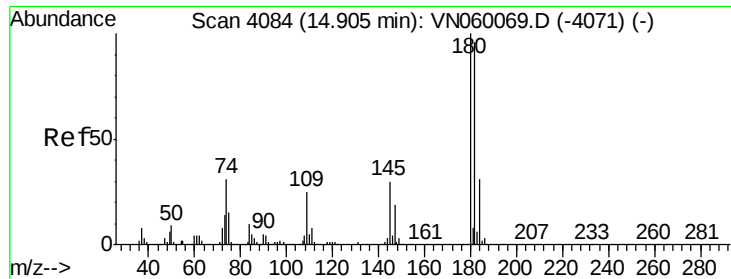
MMDadoda
 2/14/2020 10:27:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.851 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.3	43.0	129.0
157	101.9	54.9	164.5





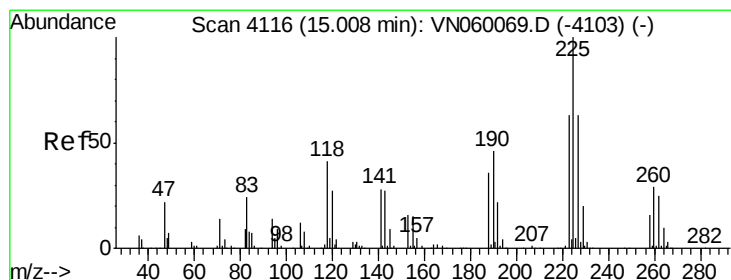
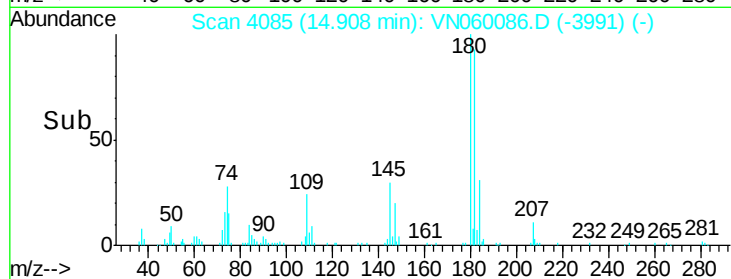
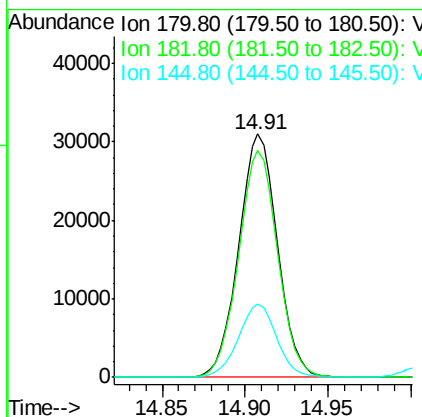
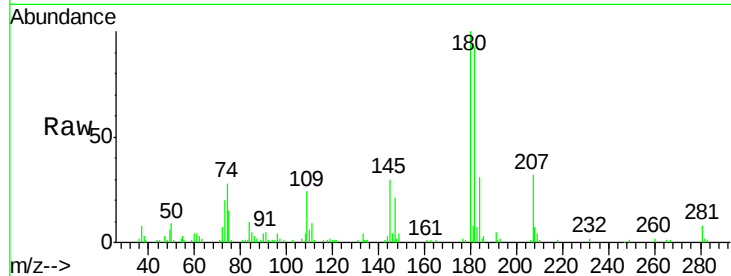
#93
 1,2,4-Trichlorobenzene
 Concen: 19.124 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.9	143.8
145	29.7	15.2	45.5

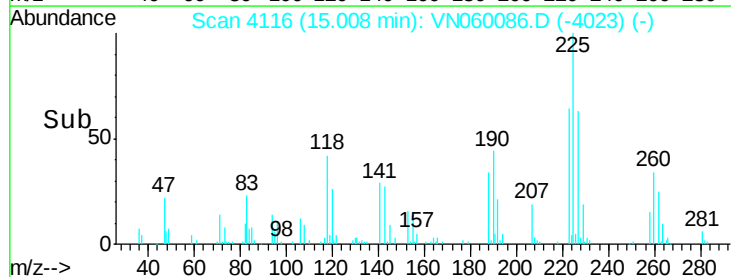
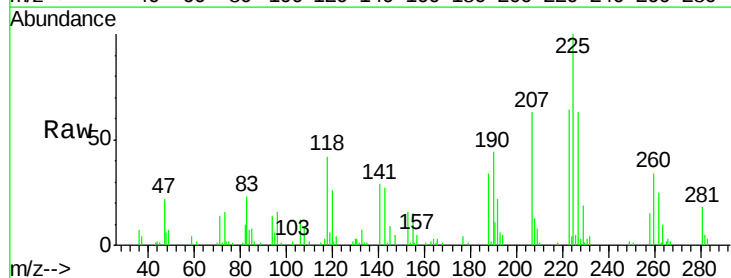
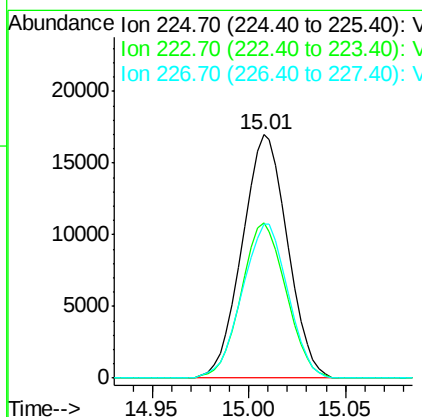
Manual Integrations
 APPROVED

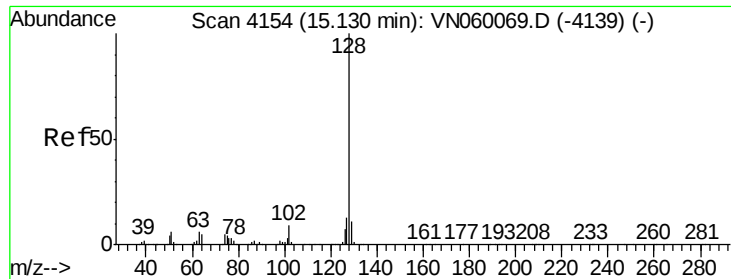
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 2/14/2020 10:27:51 AM



#94
 Hexachlorobutadiene
 Concen: 17.975 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060086.D
 Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.5	94.5
227	63.7	31.8	95.4





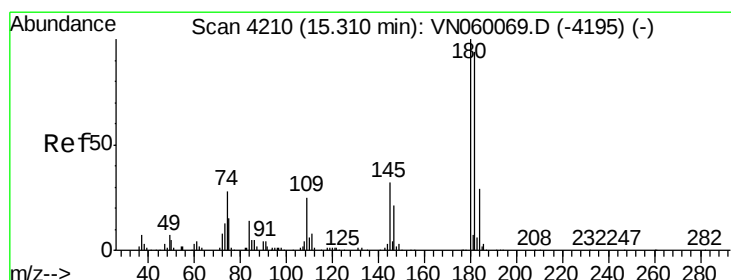
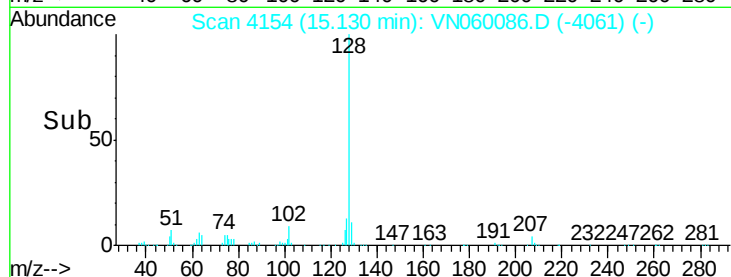
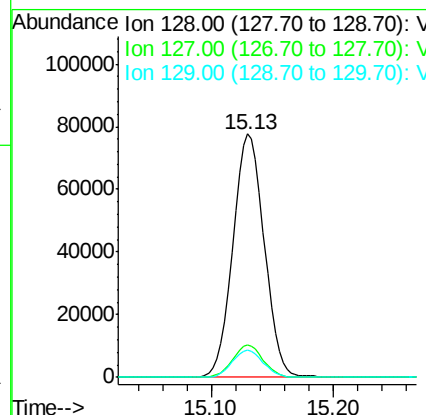
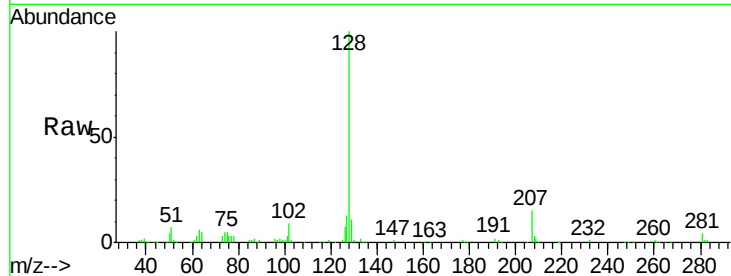
#95
Naphthalene
Concen: 19.525 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 19.031 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060086.D
Acq: 13 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.5
145	32.3	16.1	48.3

