

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055004.D
 Acq On : 12 Apr 2019 17:25
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

Manual Integrations
 APPROVED

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 4/16/2019 1:58:24 PM

Quant Time: Apr 13 03:48:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	454109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	714028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	634498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	279747	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	282921	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
35) Dibromofluoromethane	7.59	113	226731	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	10.09	98	845248	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.40	95	290974	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	248602	49.632	ug/l	100
3) Chloromethane	2.06	50	328217	48.863	ug/l	98
4) Vinyl Chloride	2.19	62	263440	48.332	ug/l	99
5) Bromomethane	2.56	94	154771	49.051	ug/l	96
6) Chloroethane	2.70	64	142489	47.403	ug/l	99
7) Trichlorofluoromethane	3.02	101	330114	48.282	ug/l	99
8) Diethyl Ether	3.41	74	106771	49.656	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	172361	48.334	ug/l	99
10) Methyl Iodide	3.94	142	238256	46.326	ug/l	99
11) Tert butyl alcohol	4.83	59	98752	281.607	ug/l	100
12) 1,1-Dichloroethene	3.73	96	164729	46.918	ug/l	98
13) Acrolein	3.61	56	103140	243.669	ug/l	98
14) Allyl chloride	4.31	41	437141	50.957	ug/l	99
15) Acrylonitrile	5.00	53	505382	261.293	ug/l	99
16) Acetone	3.82	43	403580	257.792	ug/l	99
17) Carbon Disulfide	4.04	76	552035	48.273	ug/l	100
18) Methyl Acetate	4.33	43	233835	48.185	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	649852	51.804	ug/l	100
20) Methylene Chloride	4.54	84	253685	49.923	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	230588	49.854	ug/l	94
22) Diisopropyl ether	5.96	45	883285	50.783	ug/l	98
23) Vinyl Acetate	5.90	43	3283650	269.917	ug/l	100
24) 1,1-Dichloroethane	5.85	63	455656	48.505	ug/l	99
25) 2-Butanone	6.85	43	666304	276.343	ug/l	99
26) 2,2-Dichloropropane	6.82	77	316818	50.977	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	263802	49.096	ug/l	98
28) Bromochloromethane	7.19	49	218593	49.045	ug/l	100
29) Tetrahydrofuran	7.22	42	413672	261.717	ug/l	98
30) Chloroform	7.37	83	437453	48.834	ug/l	99
31) Cyclohexane	7.65	56	433392	49.913	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	355397	49.801	ug/l	100
36) 1,1-Dichloropropene	7.79	75	332604	50.402	ug/l	99
37) Ethyl Acetate	6.94	43	277102	55.935	ug/l	99
38) Carbon Tetrachloride	7.77	117	305834	49.235	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	380134	50.317	ug/l	99
40) Benzene	8.04	78	998536	50.049	ug/l	100
41) Methacrylonitrile	7.18	41	161050	52.832	ug/l	95
42) 1,2-Dichloroethane	8.12	62	342800	48.843	ug/l	100
43) Isopropyl Acetate	8.17	43	462447	54.592	ug/l	99
44) Trichloroethene	8.83	130	253183	49.657	ug/l	99
45) 1,2-Dichloropropane	9.12	63	276873	49.177	ug/l	99
46) Dibromomethane	9.21	93	158337	49.081	ug/l	97
47) Bromodichloromethane	9.40	83	332254	50.645	ug/l	100
48) Methyl methacrylate	9.20	41	227489	52.131	ug/l	98
49) 1,4-Dioxane	9.20	88	52638	1121.629	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1330106	268.169	ug/l	99
52) Toluene	10.16	92	591238	50.108	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	323334	54.429	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	388563	53.099	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	220272	50.114	ug/l	98
56) Ethyl methacrylate	10.43	69	311651	55.102	ug/l	98
57) 1,3-Dichloropropane	10.71	76	392630	51.781	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	611538	241.313	ug/l	99
59) 2-Hexanone	10.75	43	876800	282.889	ug/l	99
60) Dibromochloromethane	10.90	129	235855	53.907	ug/l	100
61) 1,2-Dibromoethane	11.00	107	216979	51.559	ug/l	99
64) Tetrachloroethene	10.63	164	235184	47.386	ug/l	98
65) Chlorobenzene	11.43	112	622155	50.854	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	233276	51.740	ug/l	99
67) Ethyl Benzene	11.51	91	1128231	50.204	ug/l	100
68) m/p-Xylenes	11.62	106	836983	101.798	ug/l	100
69) o-Xylene	11.95	106	402184	49.438	ug/l	98
70) Styrene	11.96	104	683980	53.026	ug/l	99
71) Bromoform	12.13	173	151388	49.022	ug/l	98
73) Isopropylbenzene	12.25	105	1090285	45.839	ug/l	100
74) N-amyl acetate	12.07	43	381918	53.273	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	288158	46.794	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	251694m	48.905	ug/l	
77) Bromobenzene	12.53	156	267218	50.110	ug/l	98
78) n-propylbenzene	12.59	91	1222166	47.163	ug/l	100
79) 2-Chlorotoluene	12.67	91	735754	45.960	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	901291	46.548	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65962	52.900	ug/l	95
82) 4-Chlorotoluene	12.77	91	729638	47.128	ug/l	98
83) tert-Butylbenzene	12.99	119	763732	46.042	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	894406	48.173	ug/l	99
85) sec-Butylbenzene	13.17	105	1006822	47.539	ug/l	99
86) p-Isopropyltoluene	13.29	119	888069	48.207	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	457520	48.150	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	445385	49.009	ug/l	99
89) n-Butylbenzene	13.61	91	745190	51.506	ug/l	100
90) Hexachloroethane	13.87	117	144098	47.338	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	453875	49.204	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42786	53.433	ug/l	95

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ICVVN041319

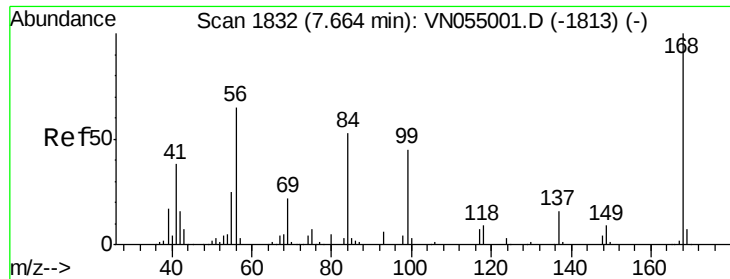
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	228150	49.814	ug/l	98
94) Hexachlorobutadiene	15.01	225	150314	54.884	ug/l	97
95) Naphthalene	15.13	128	534392	49.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	232402	55.852	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVFN041319

Tot Ion:168 Resp: 454109

Ion Ratio Lower Upper

168 100

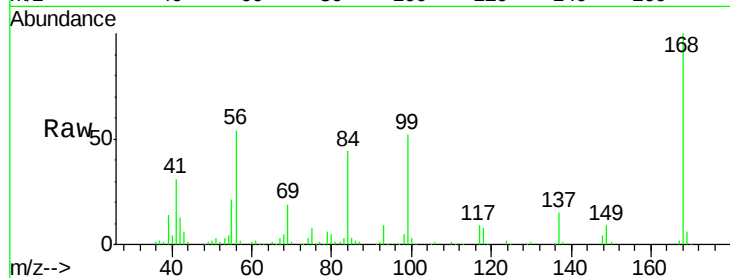
99 51.5 41.9 62.9

Manual Integrations

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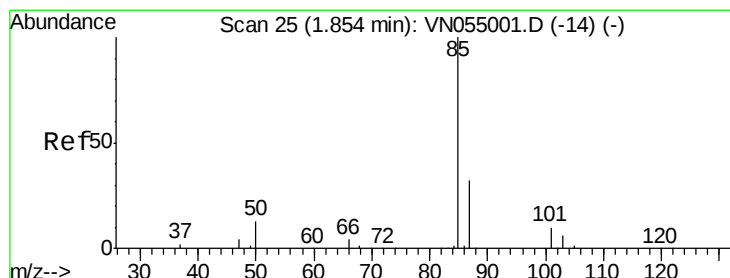
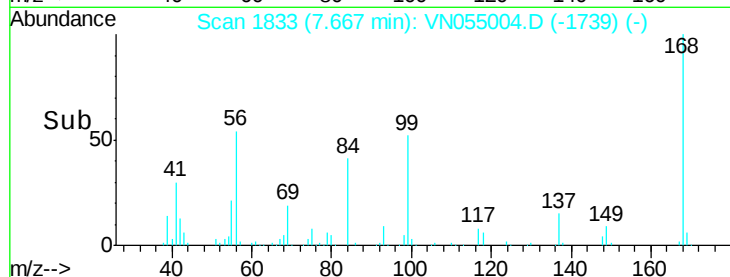
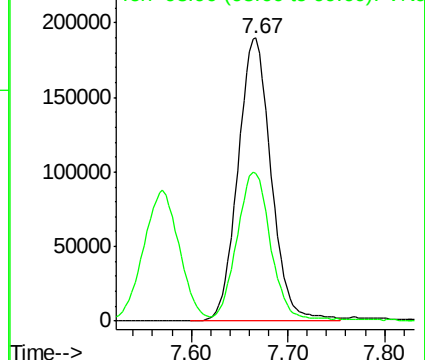
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.632 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055004.D

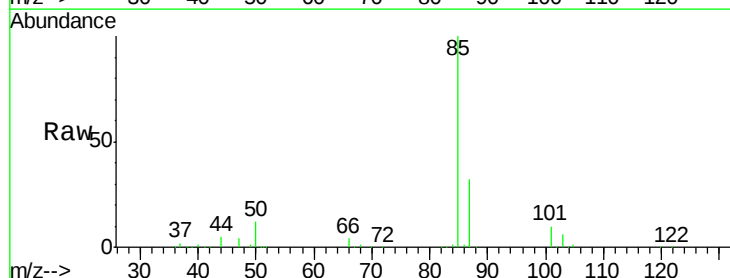
Acq: 12 Apr 2019 17:25

Tgt Ion: 85 Resp: 248602

Ion Ratio Lower Upper

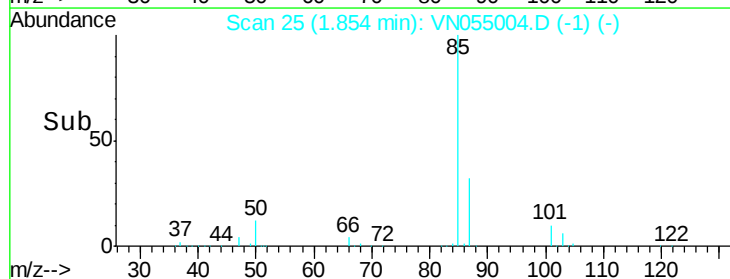
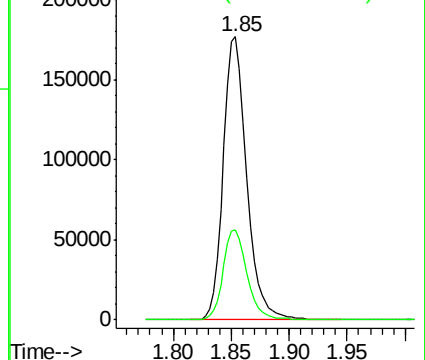
85 100

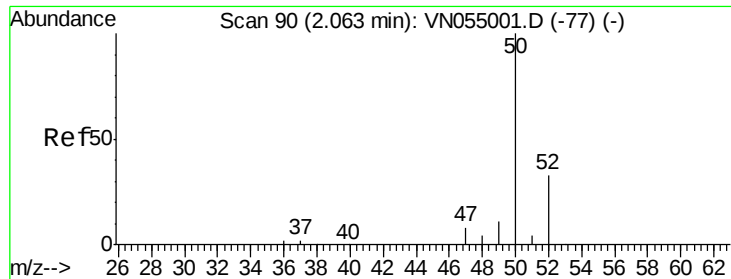
87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.863 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

Tot Ion: 50 Resp: 328217

Ion Ratio Lower Upper

50 100

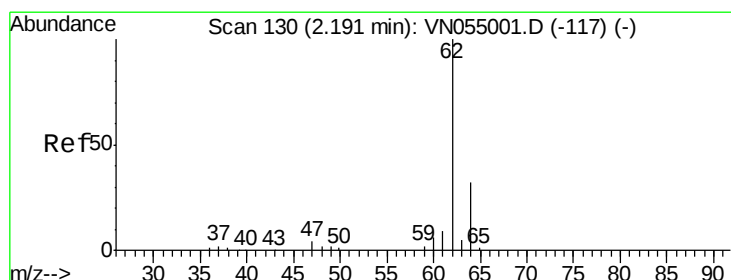
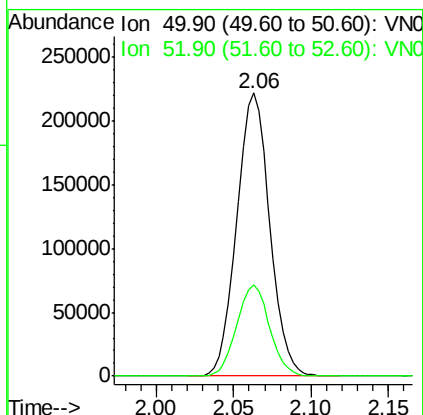
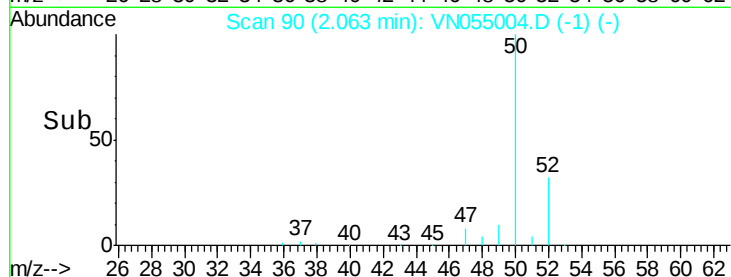
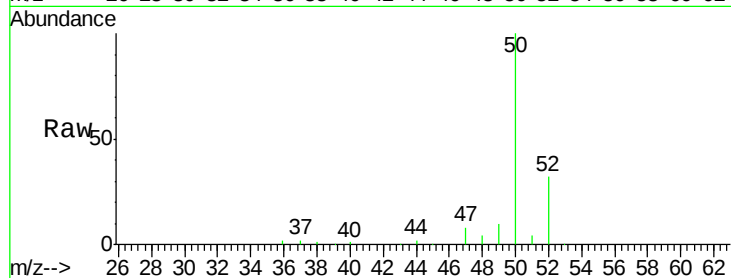
52 32.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.332 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055004.D

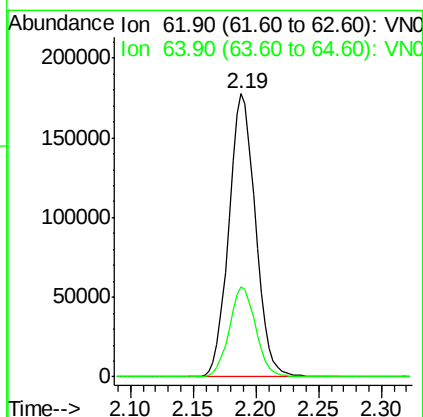
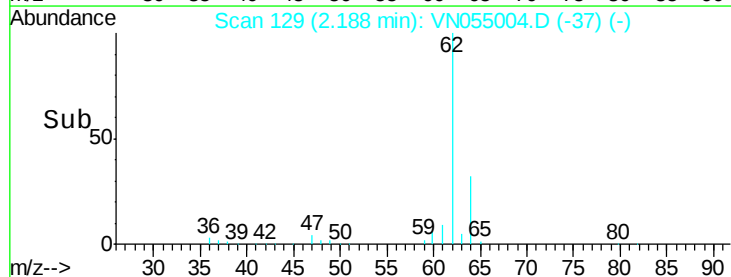
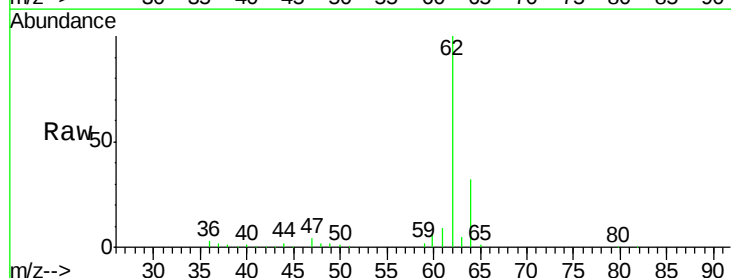
Acq: 12 Apr 2019 17:25

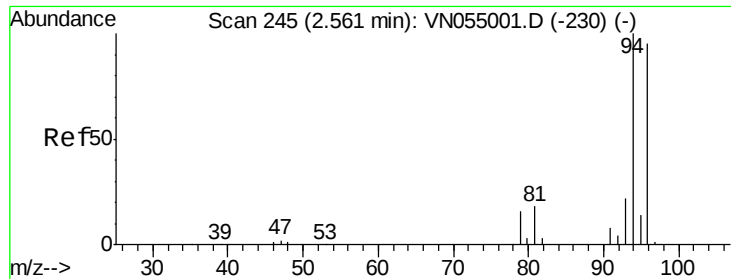
Tgt Ion: 62 Resp: 263440

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.6





#5

Bromomethane

Concen: 49.051 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Tot Ion: 94 Resp: 154771

Ion Ratio Lower Upper

94 100

96 91.5 76.2 114.4

Instrument :

MSVOA_N

ClientSampleId :

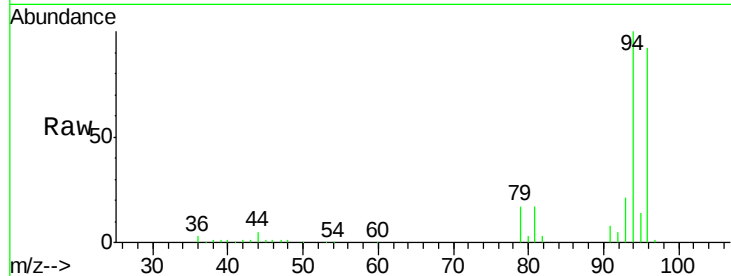
ICVVN041319

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

80000

60000

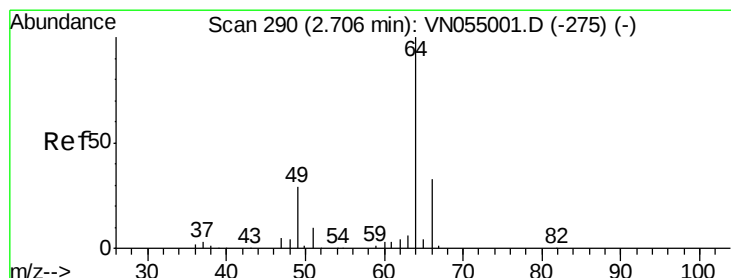
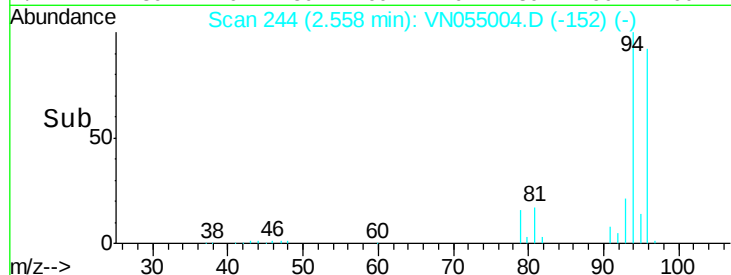
40000

20000

0

Time-->

2.50 2.60



#6

Chloroethane

Concen: 47.403 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN055004.D

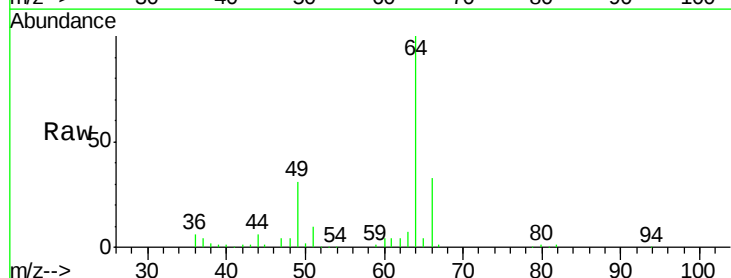
Acq: 12 Apr 2019 17:25

Tgt Ion: 64 Resp: 142489

Ion Ratio Lower Upper

64 100

66 32.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.70

80000

60000

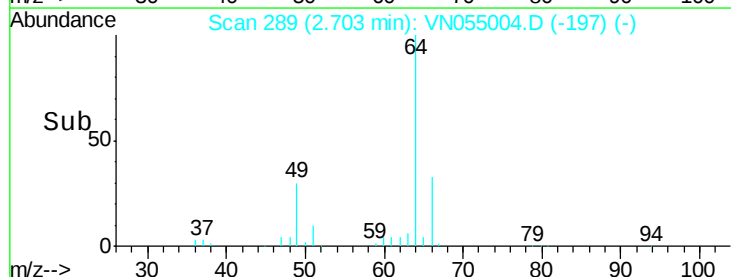
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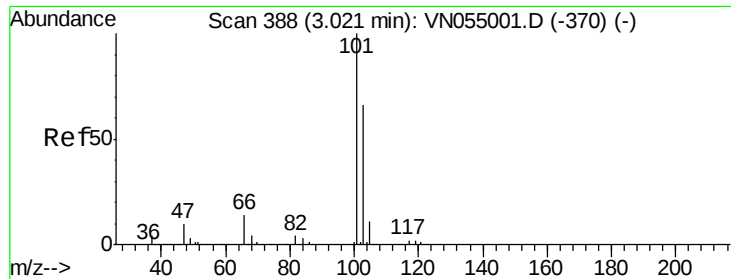
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Time-->

2.60 2.70 2.80





#7

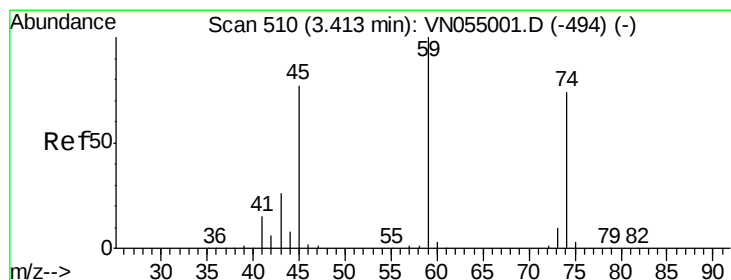
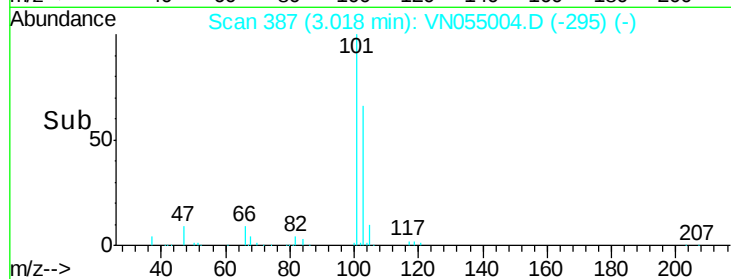
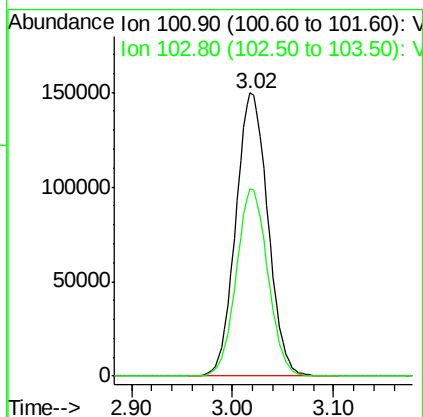
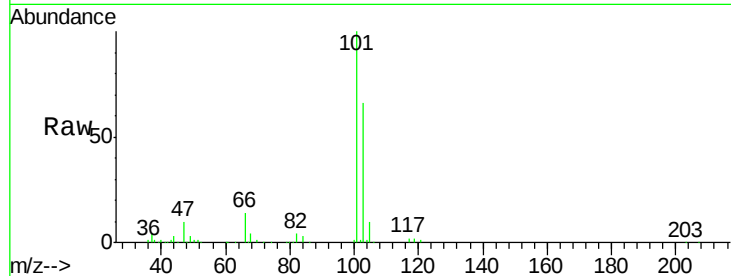
Trichlorofluoromethane
Concen: 48.282 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

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ICVVN041319

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.5	78.7

Manual Integrations
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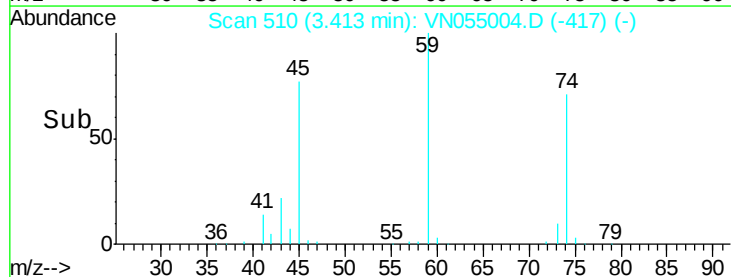
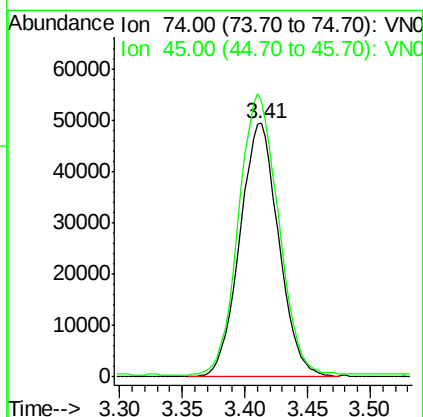
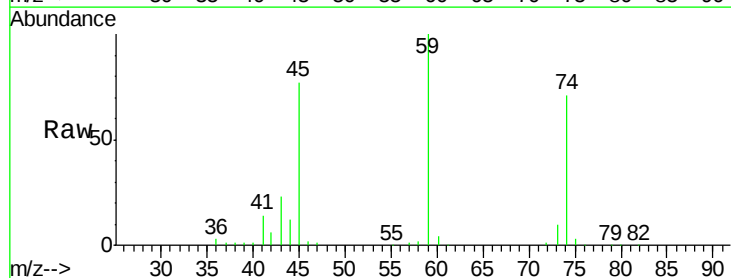
MMDadoda
4/16/2019 1:58:24 PM

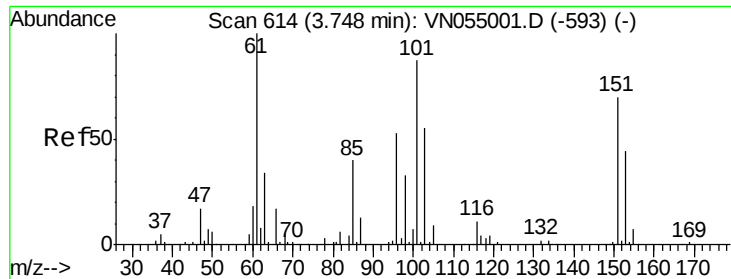


#8

Diethyl Ether
Concen: 49.656 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.3	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.334 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

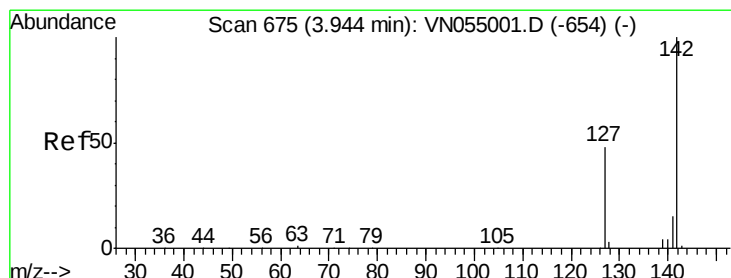
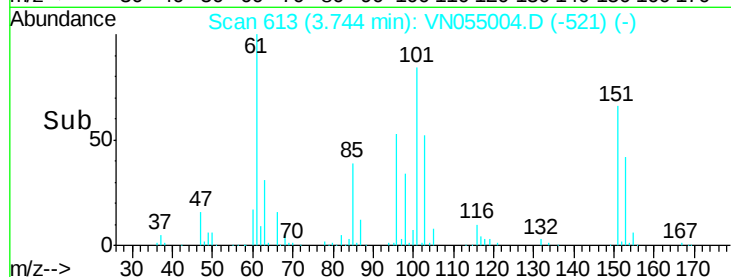
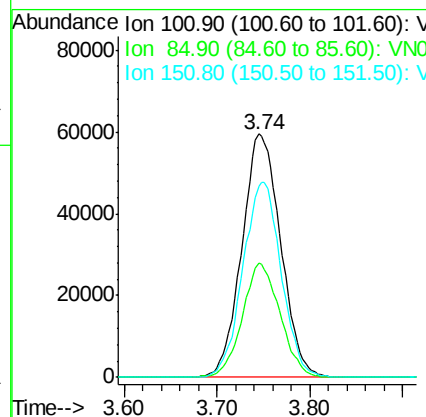
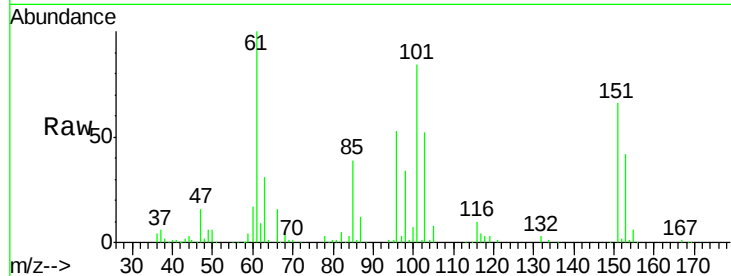
ClientSampleId :

ICVVN041319

Tot Ion:	101	Resp:	172361
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.9	55.3
151	79.4	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 46.326 ug/l

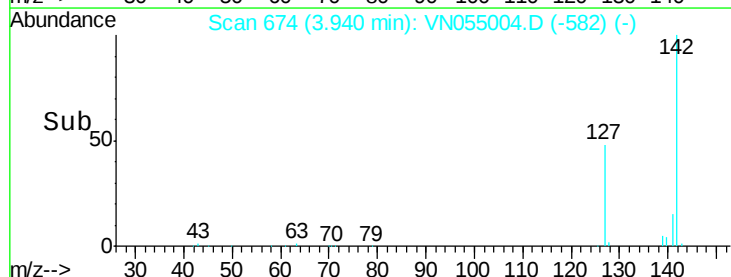
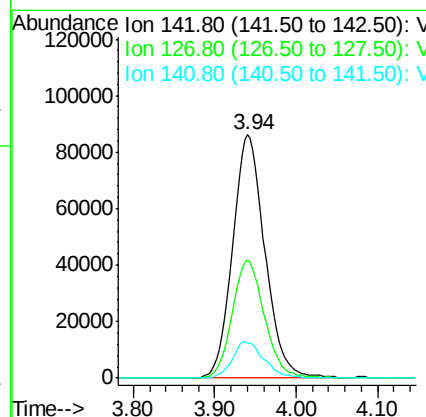
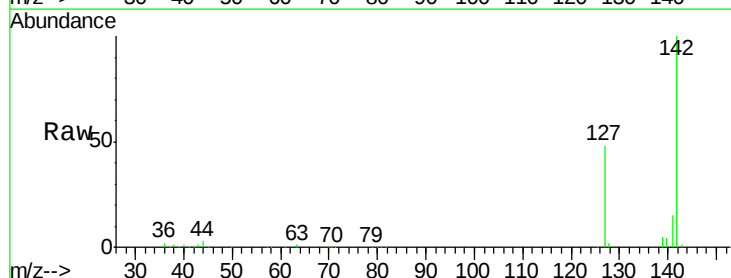
RT: 3.94 min Scan# 674

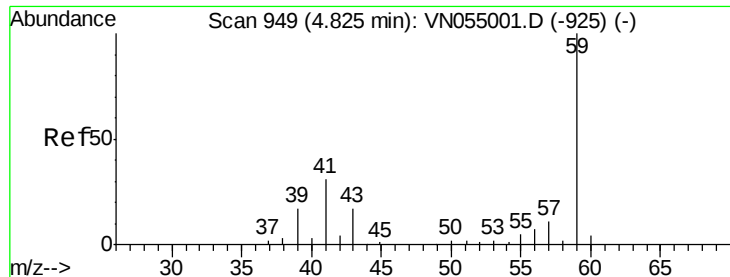
Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Tgt Ion:	142	Resp:	238256
Ion Ratio	Lower	Upper	
142	100		
127	48.1	37.9	56.9
141	14.7	11.8	17.8





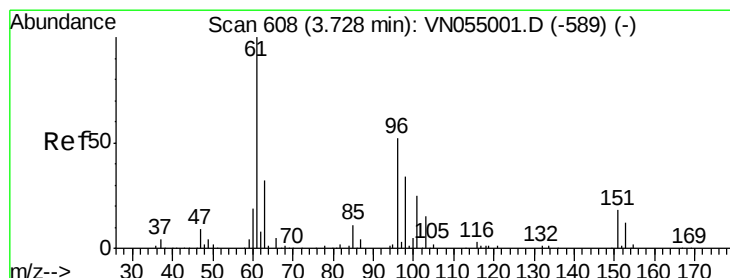
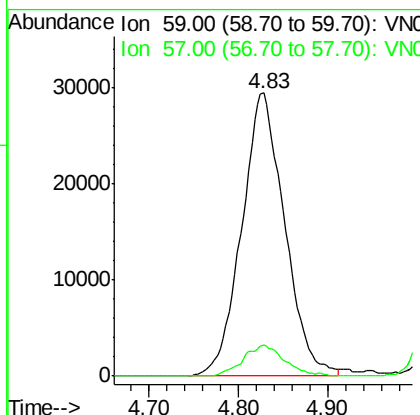
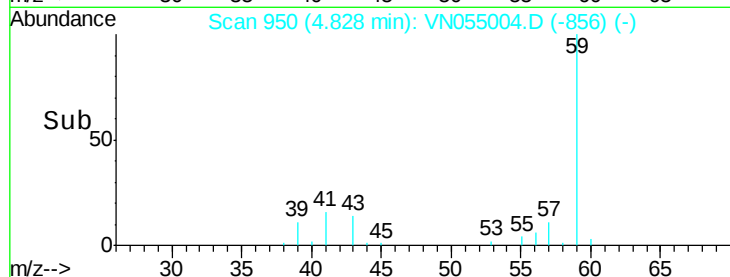
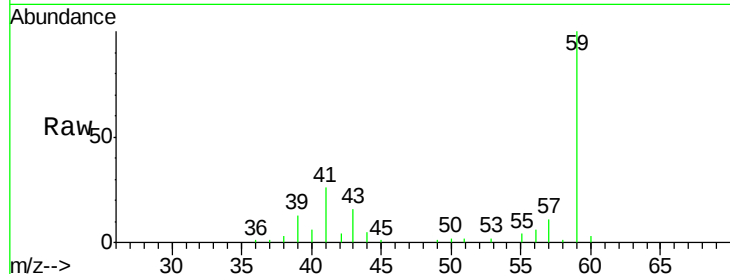
#11
Tert butyl alcohol
Concen: 281.607 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

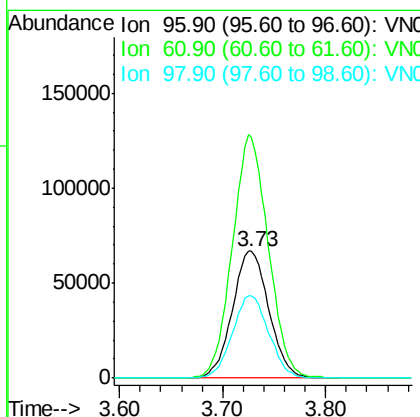
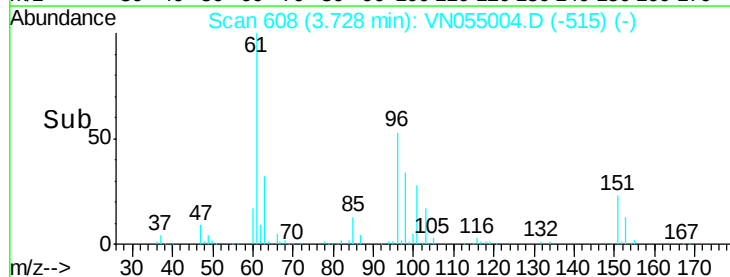
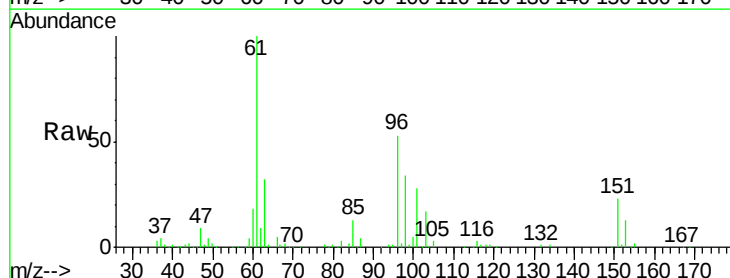
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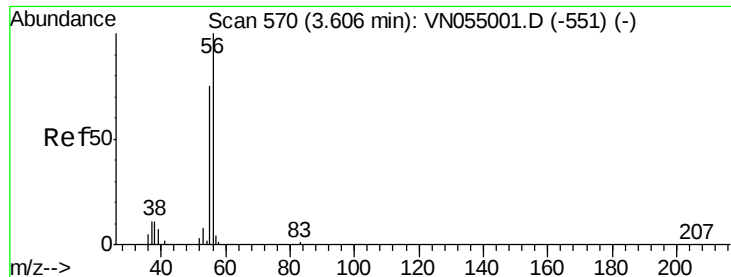
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.918 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.1	154.2	231.4
98	65.0	52.9	79.3





#13

Acrolein

Concen: 243.669 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

Tot Ion: 56 Resp: 103140

Ion Ratio Lower Upper

56 100

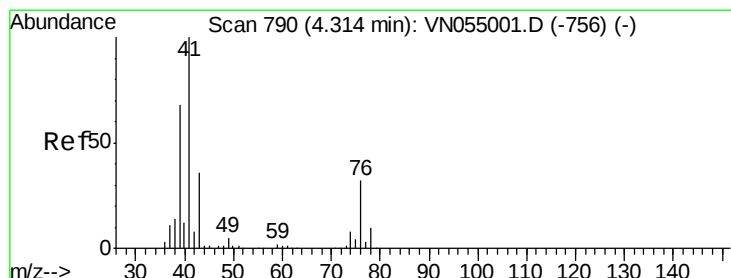
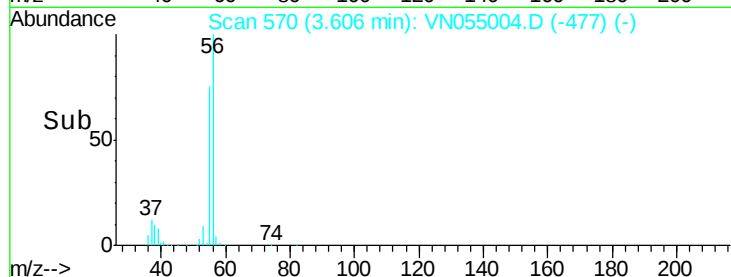
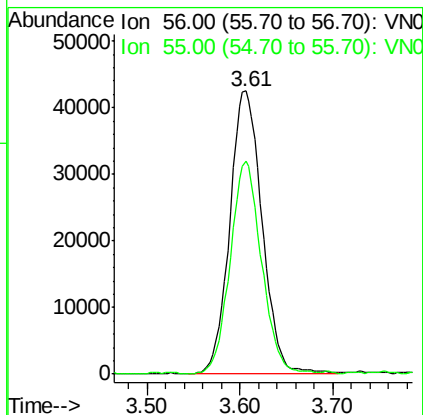
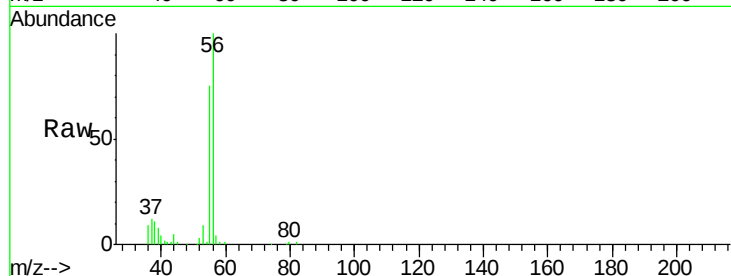
55 73.0 59.5 89.3

Manual Integrations

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#14

Allyl chloride

Concen: 50.957 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

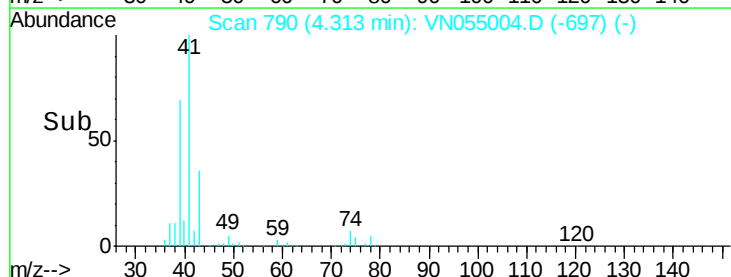
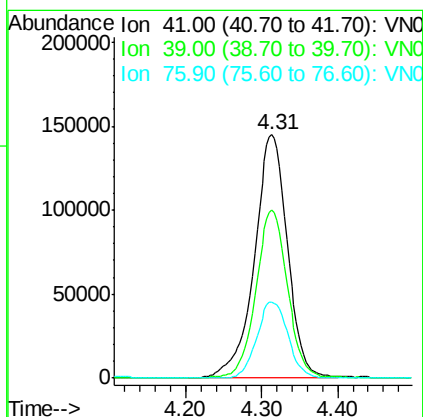
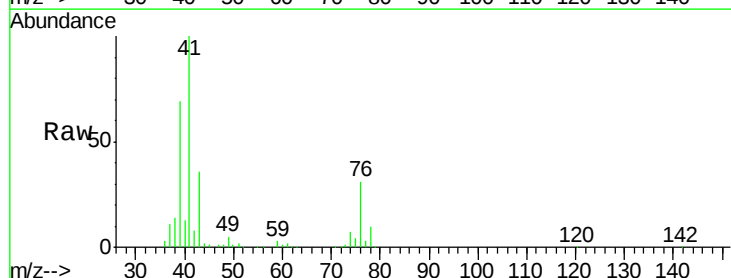
Tgt Ion: 41 Resp: 437141

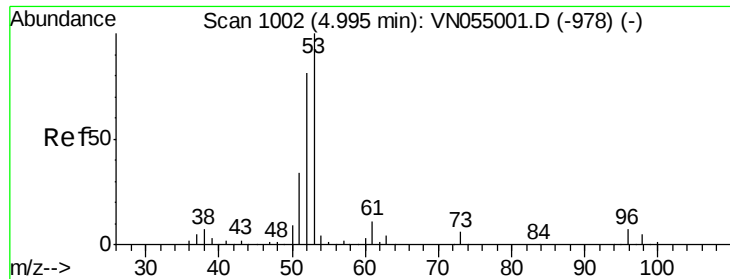
Ion Ratio Lower Upper

41 100

39 65.6 52.7 79.1

76 29.5 23.2 34.8





#15

Acrylonitrile

Concen: 261.293 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

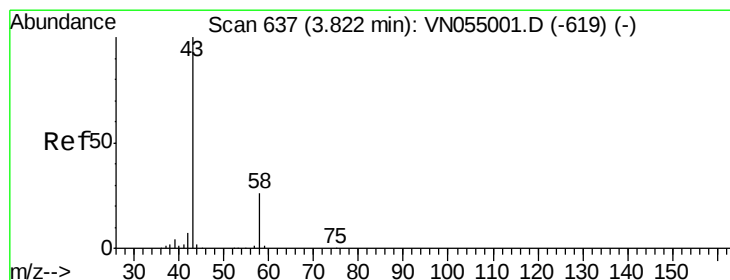
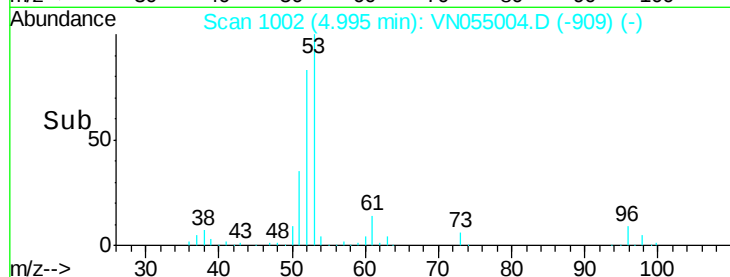
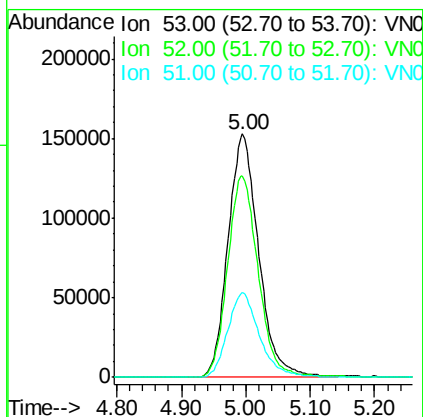
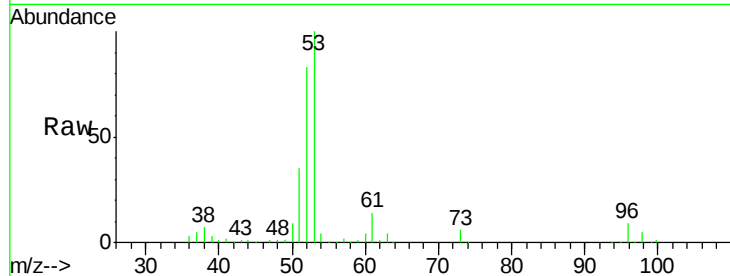
ClientSampleId :

ICVVN041319

Tot Ion:	53	Resp:	505382
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.9	98.9
51	36.3	29.7	44.5

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#16

Acetone

Concen: 257.792 ug/l

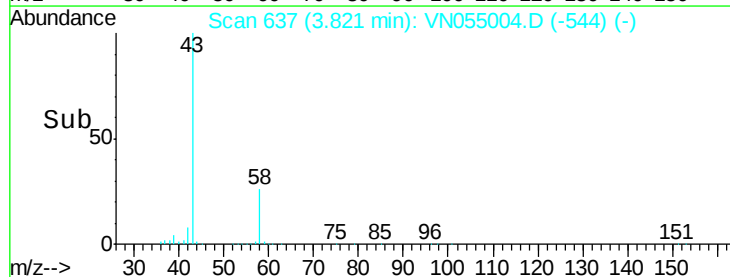
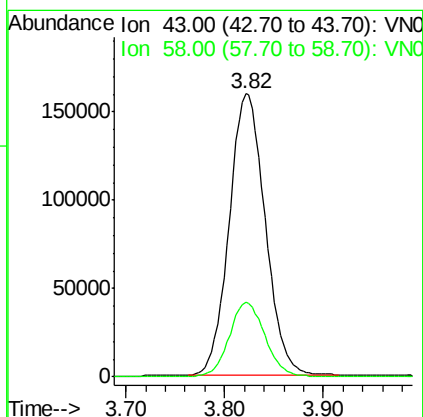
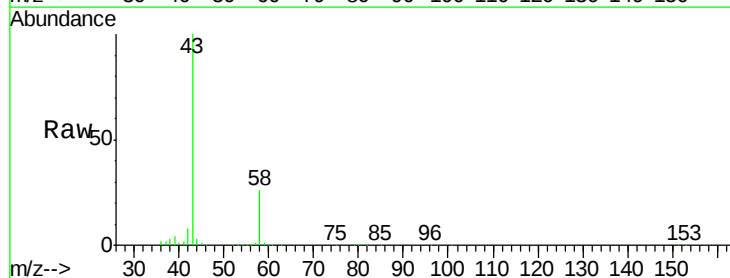
RT: 3.82 min Scan# 637

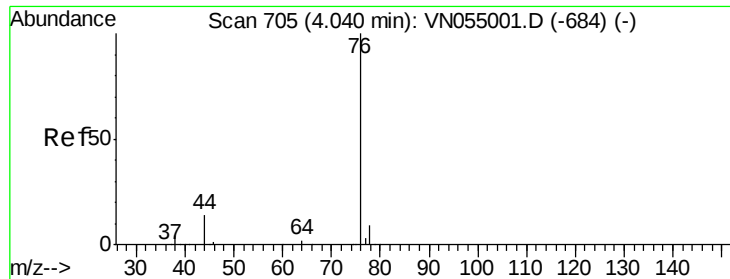
Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Tgt Ion:	43	Resp:	403580
Ion	Ratio	Lower	Upper
43	100		
58	26.4	20.9	31.3





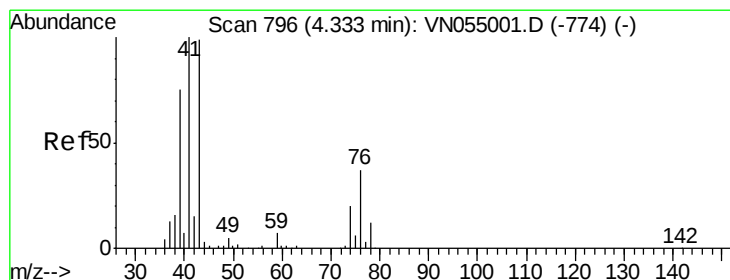
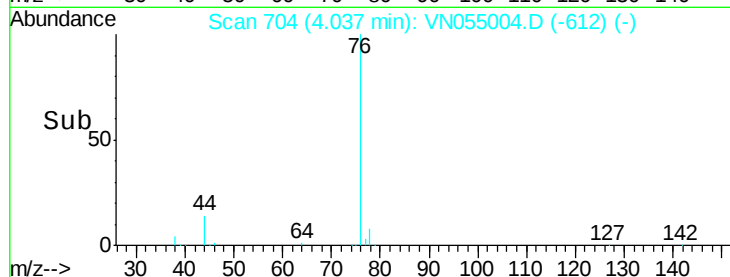
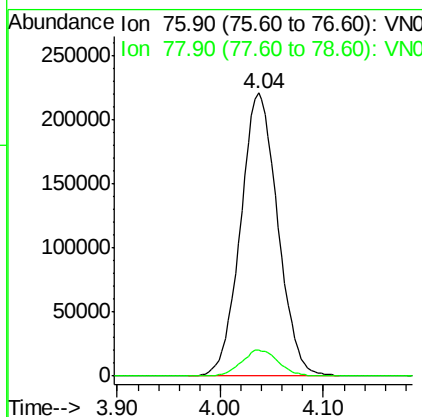
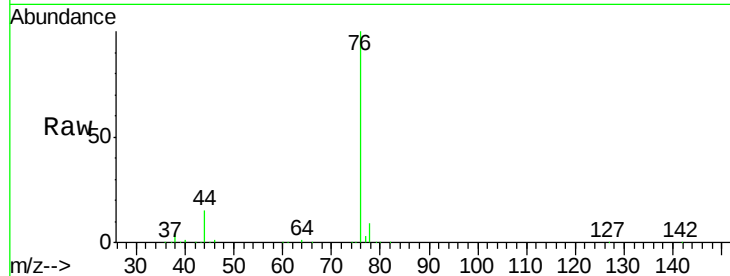
#17
Carbon Disulfide
Concen: 48.273 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

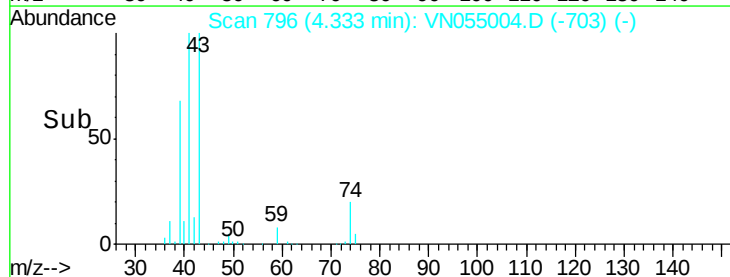
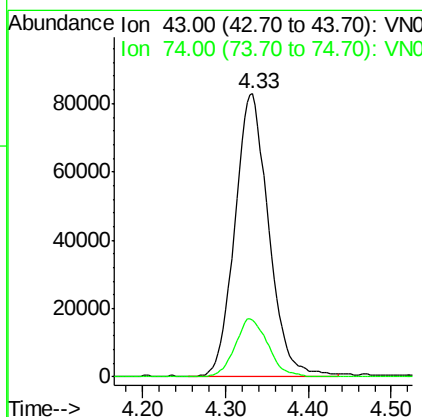
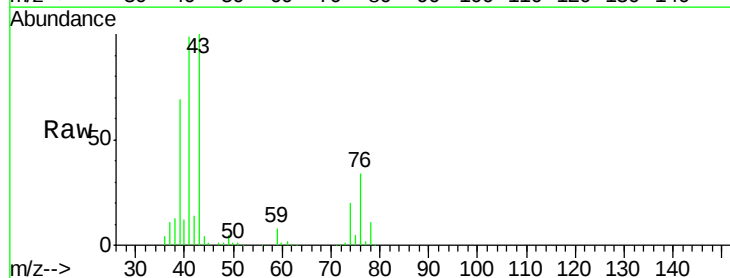
Manual Integrations
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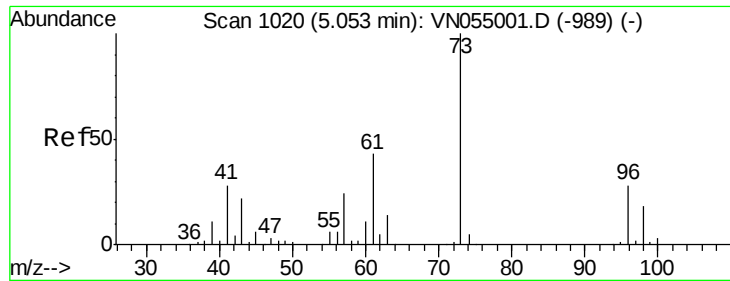
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#18
Methyl Acetate
Concen: 48.185 ug/l
RT: 4.33 min Scan# 796
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.1	24.1





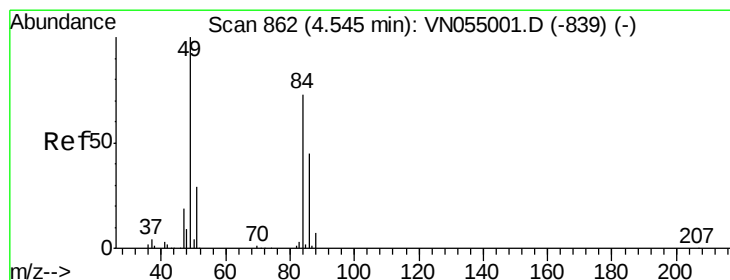
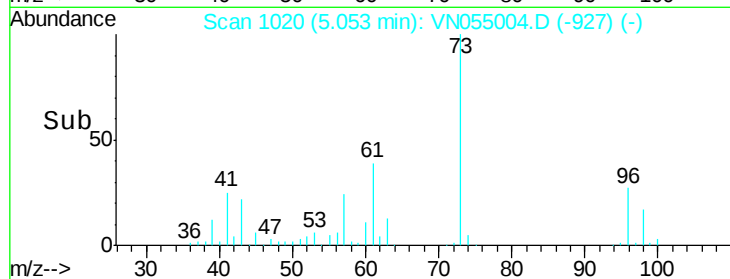
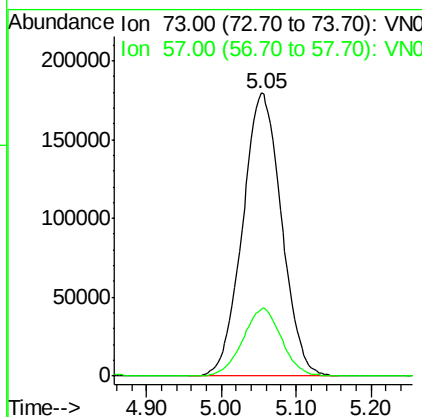
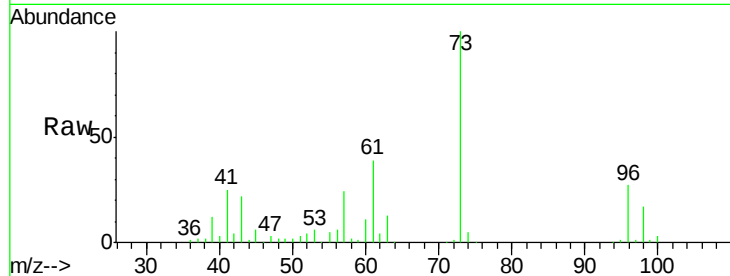
#19
Methvl tert-butvl Ether
Concen: 51.804 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.0	28.4

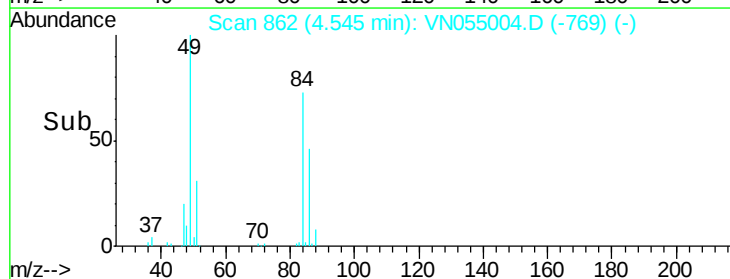
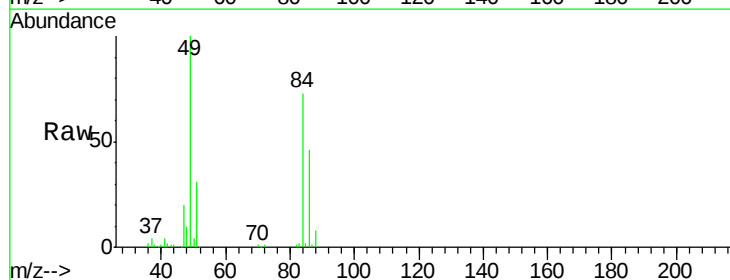
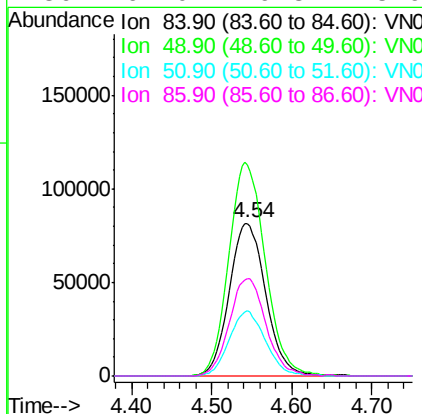
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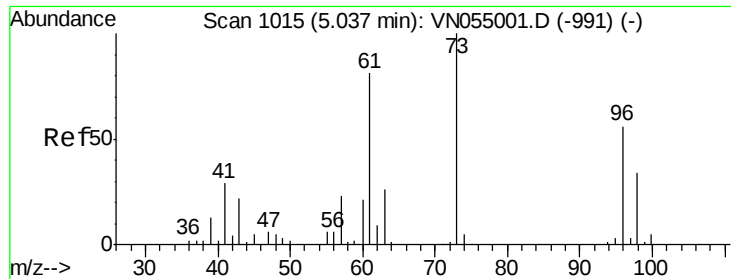
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#20
Methylene Chloride
Concen: 49.923 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.5	109.4	164.2
51	42.7	32.2	48.4
86	64.0	49.3	73.9





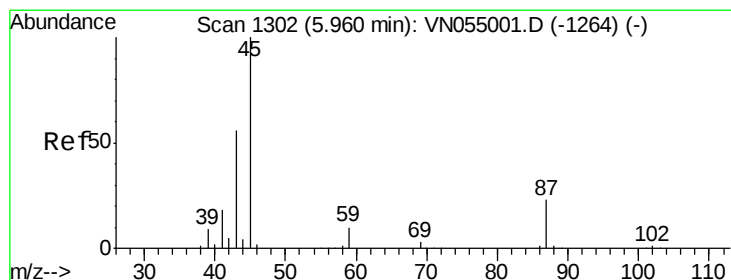
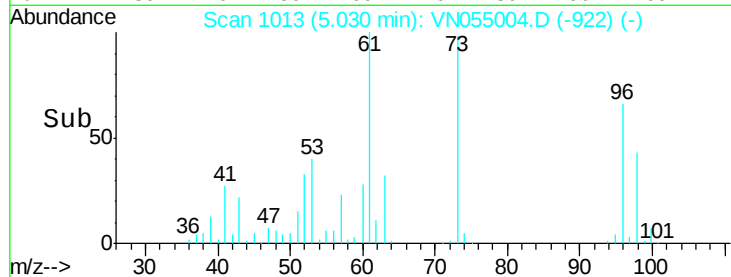
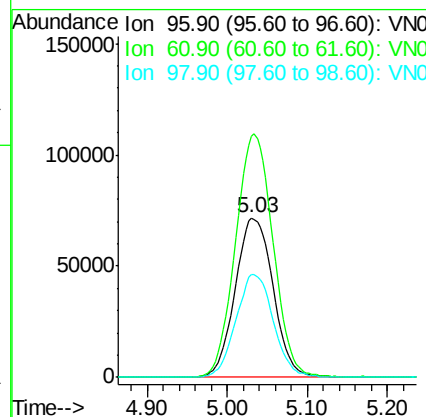
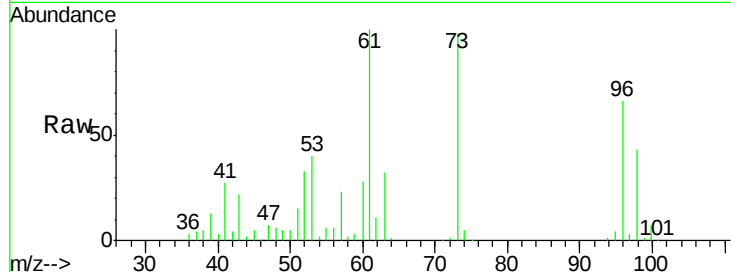
#21
trans-1,2-Dichloroethene
Concen: 49.854 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampled :
ICVVN041319

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.2	114.9	172.3
98	64.4	48.4	72.6

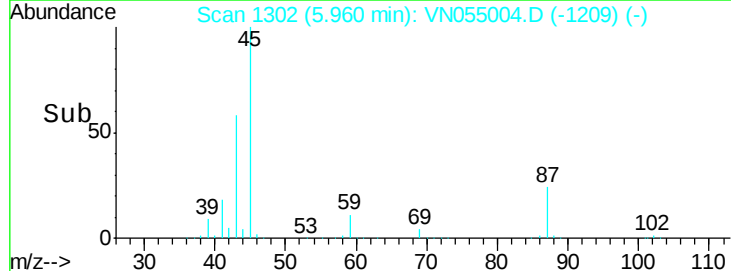
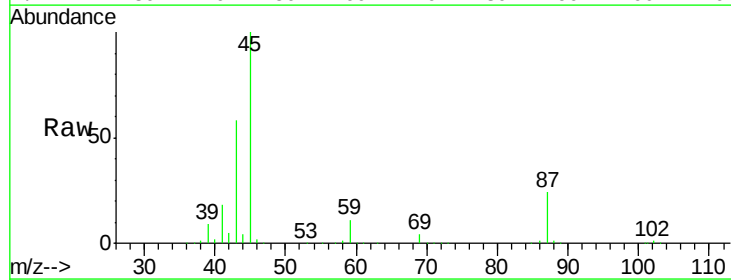
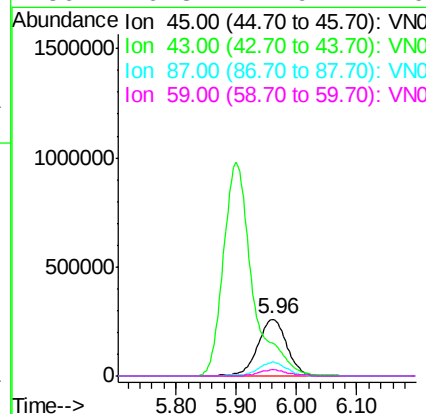
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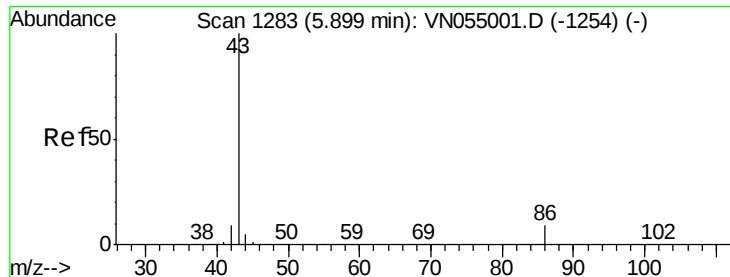
MMDadoda
4/16/2019 1:58:24 PM



#22
Diisopropyl ether
Concen: 50.783 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.1	44.8	67.2
87	23.9	18.9	28.3
59	10.3	7.9	11.9





#23

Vinyl Acetate

Concen: 269.917 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

Tot Ion: 43 Resp: 3283650

Ion Ratio Lower Upper

43 100

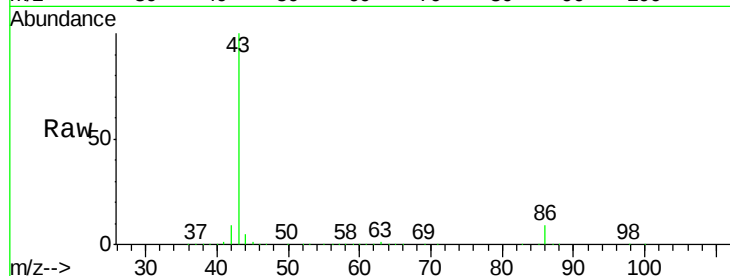
86 8.6 7.0 10.4

Manual Integrations

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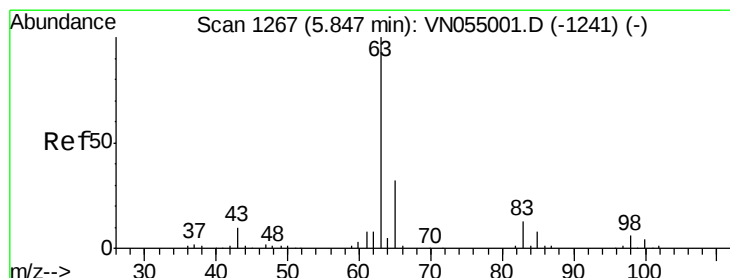
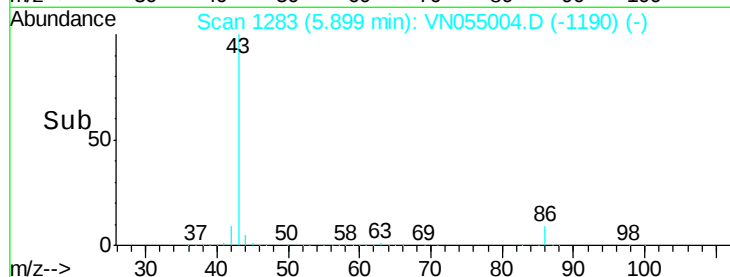
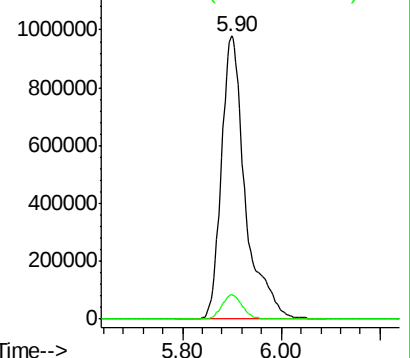
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.505 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

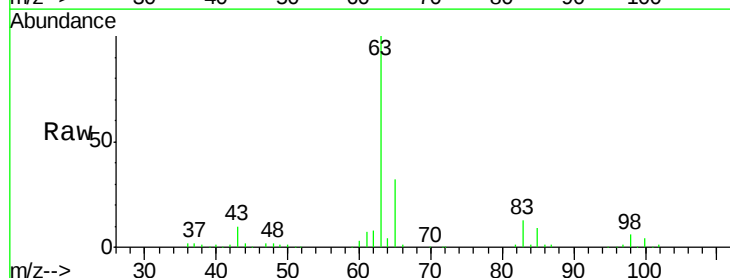
Tgt Ion: 63 Resp: 455656

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

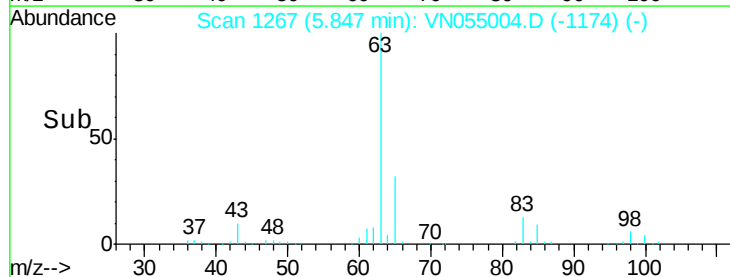
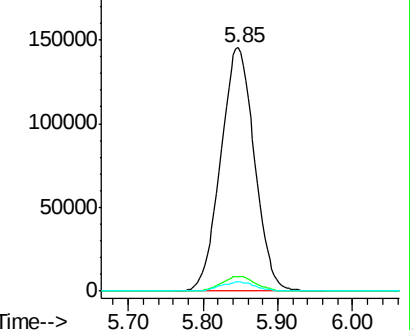
100 3.9 2.0 5.8

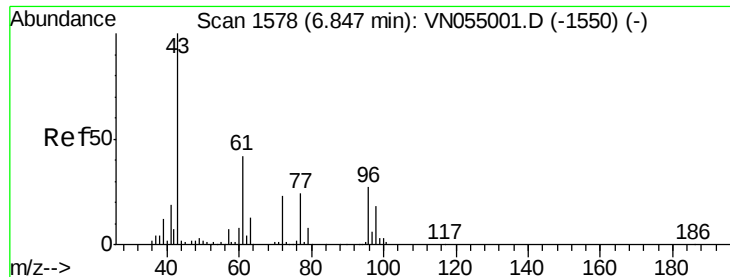


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 276.343 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampled :

ICV041319

Tot Ion: 43 Resp: 666304

Ion Ratio Lower Upper

43 100

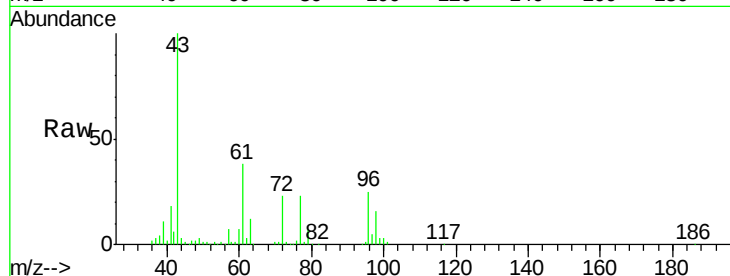
72 23.1 18.1 27.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1550) (-)

Ion 72.00 (71.70 to 72.70): VN055001.D (-1550) (-)

6.85

250000

200000

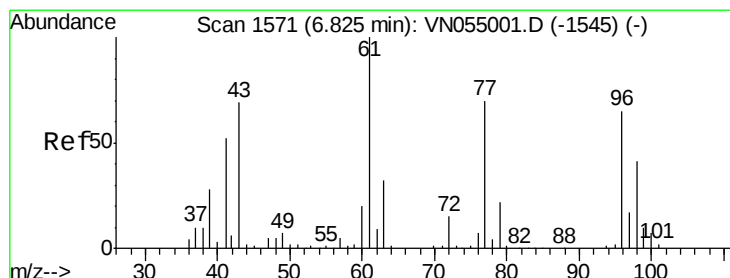
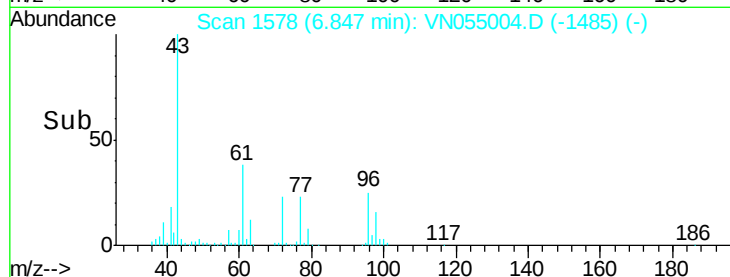
150000

100000

50000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 50.977 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055004.D

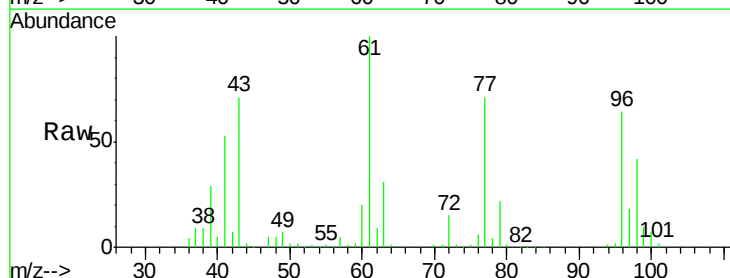
Acq: 12 Apr 2019 17:25

Tgt Ion: 77 Resp: 316818

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN055001.D (-1545) (-)

Ion 96.90 (96.60 to 97.60): VN055001.D (-1545) (-)

6.82

100000

80000

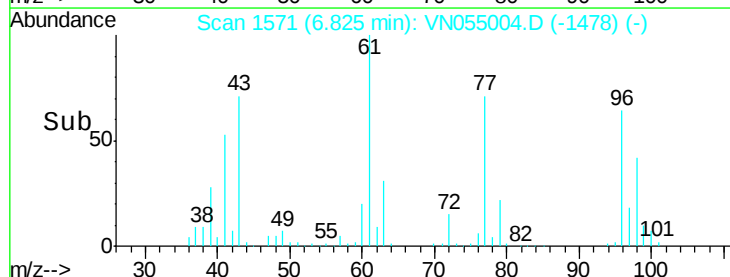
60000

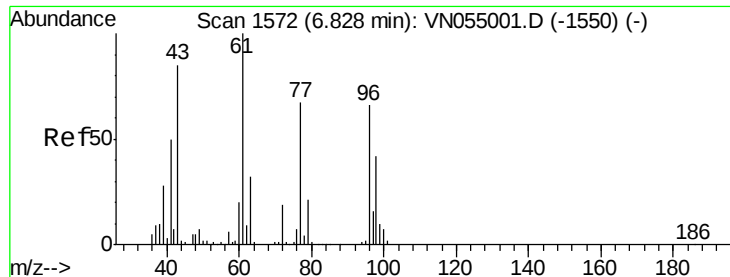
40000

20000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 49.096 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

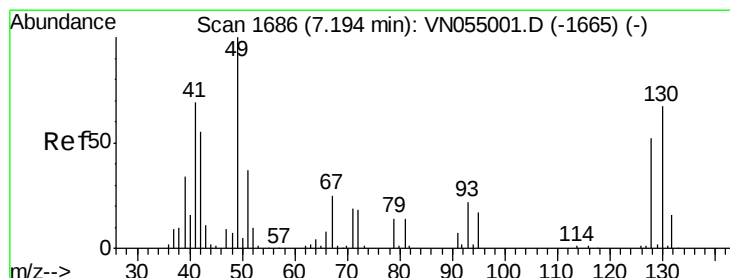
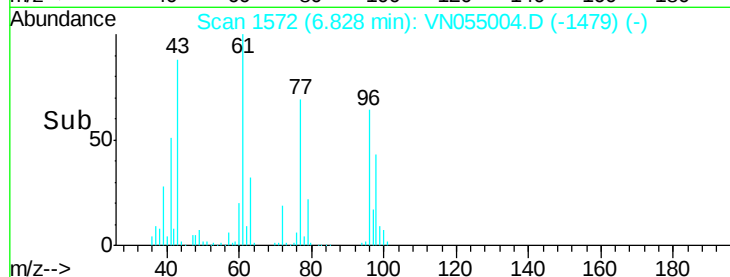
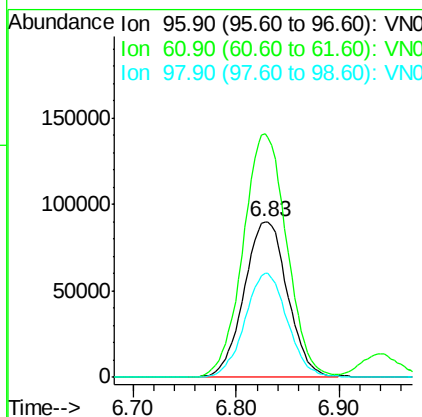
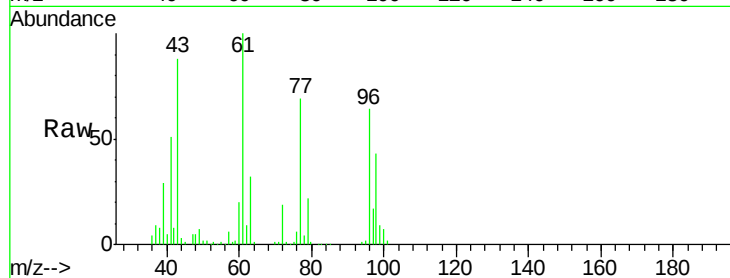
ClientSampleId :

ICVVN041319

Tot Ion:	96	Resp:	263802
Ion	Ratio	Lower	Upper
96	100		
61	157.2	0.0	311.0
98	65.6	0.0	127.4

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#28

Bromochloromethane

Concen: 49.045 ug/l

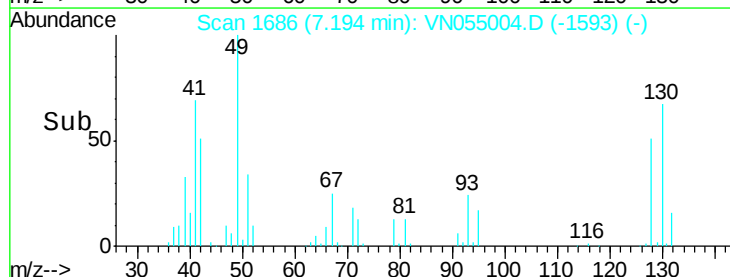
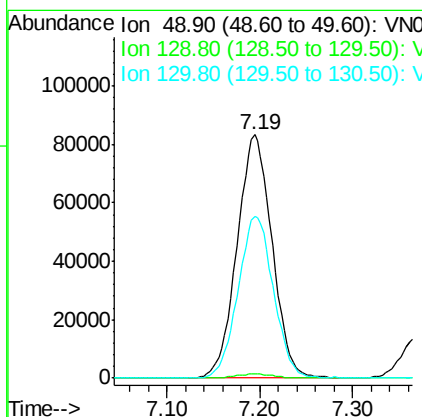
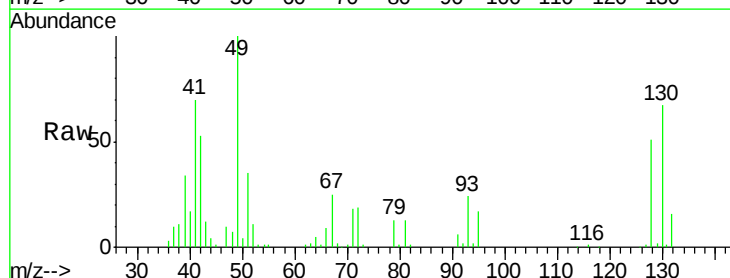
RT: 7.19 min Scan# 1686

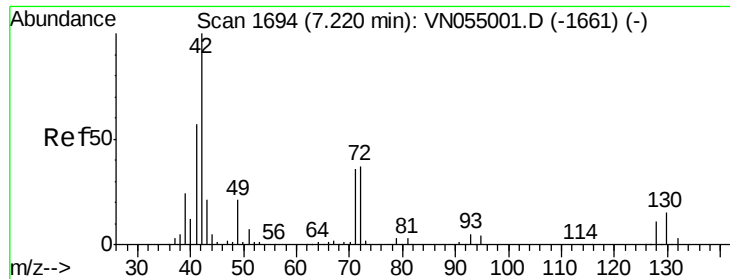
Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Tgt Ion:	49	Resp:	218593
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.0
130	67.1	53.4	80.2





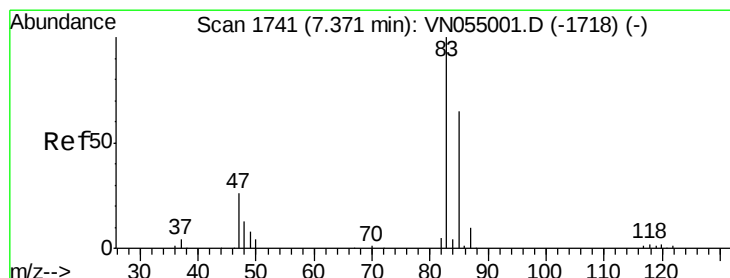
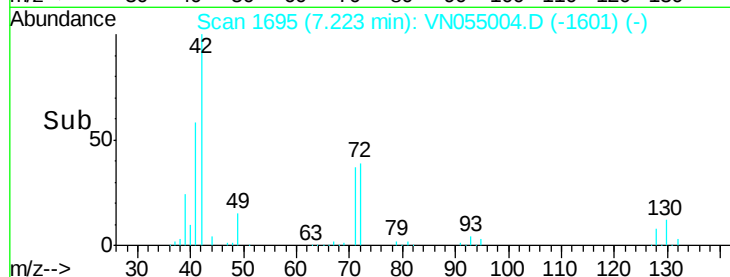
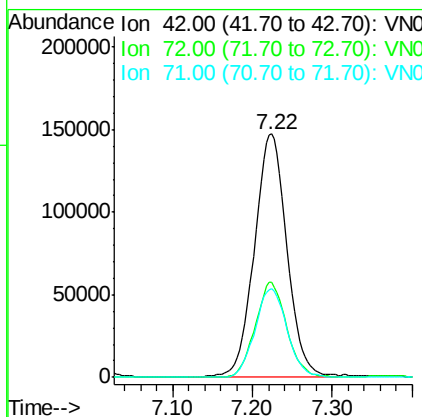
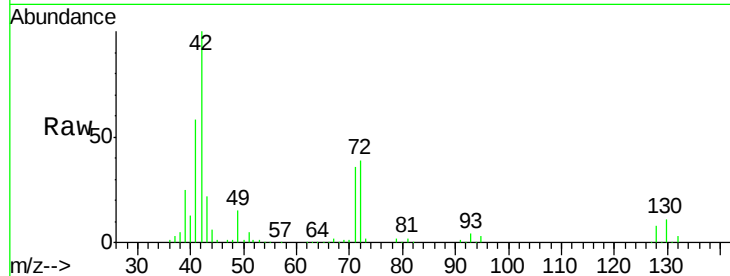
#29
Tetrahydrofuran
Concen: 261.717 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	29.4	44.0
71	35.9	27.8	41.6

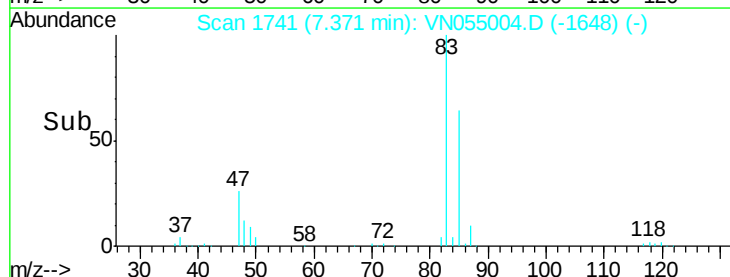
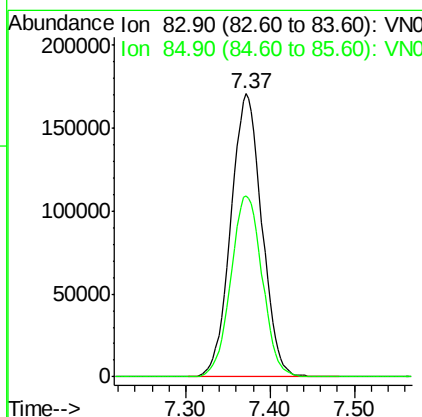
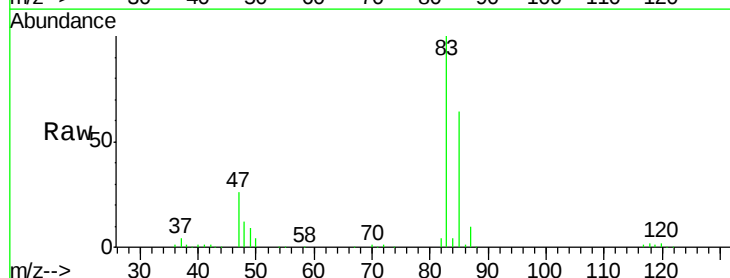
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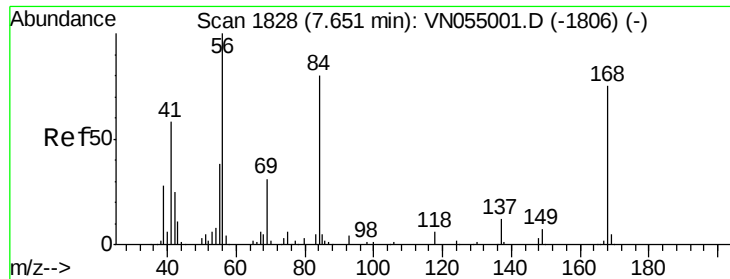
MMDadoda
4/16/2019 1:58:24 PM



#30
Chloroform
Concen: 48.834 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6





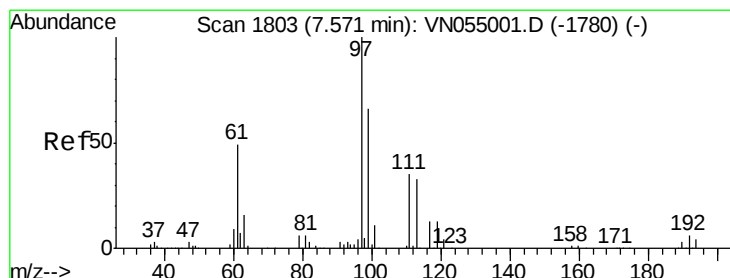
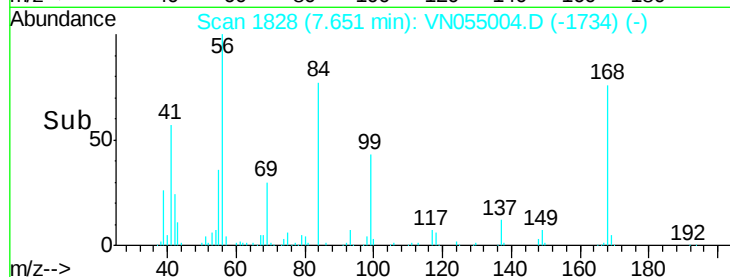
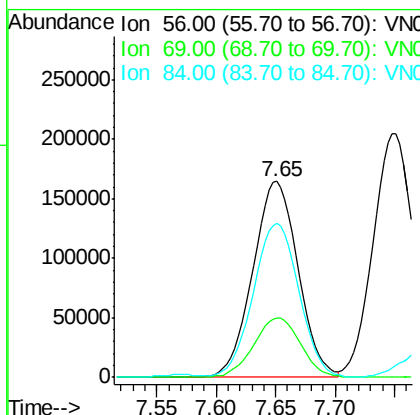
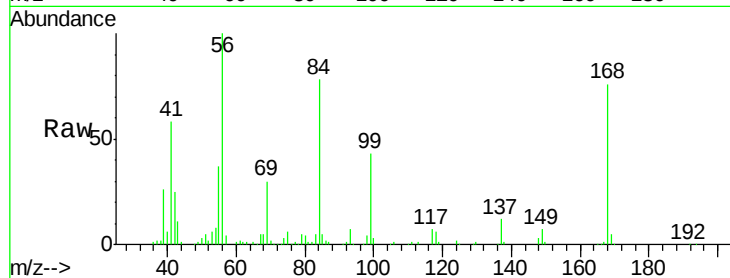
#31
Cyclohexane
Concen: 49.913 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.5	36.7
84	77.2	62.9	94.3

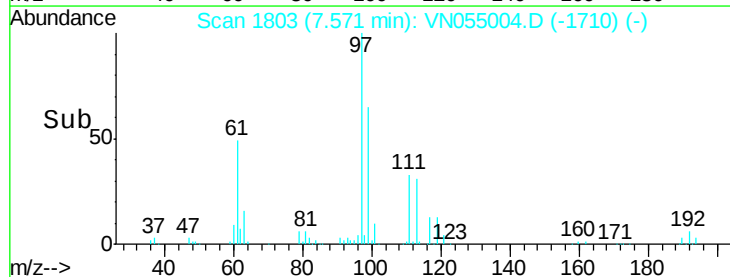
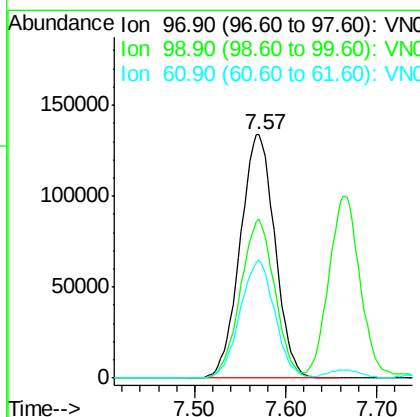
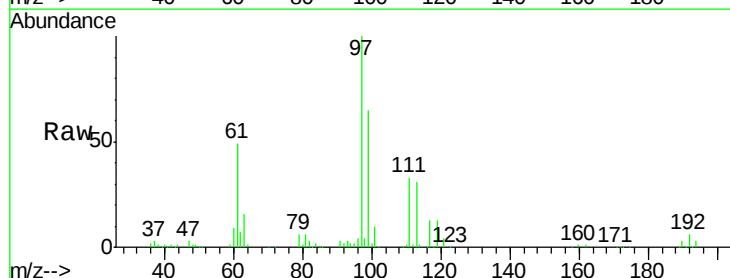
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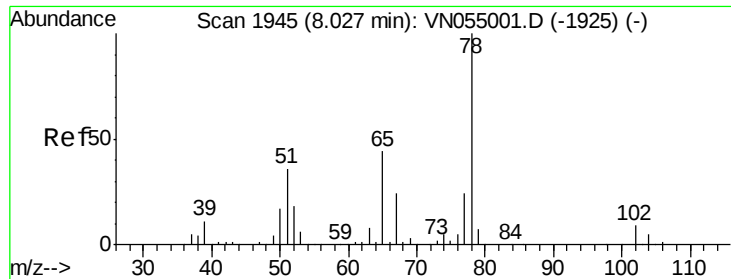
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.801 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	48.1	38.3	57.5





#33

1,2-Dichloroethane-d4

Concen: 49.646 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampled :

ICVVN041319

Tot Ion: 65 Resp: 282921

Ion Ratio Lower Upper

65 100

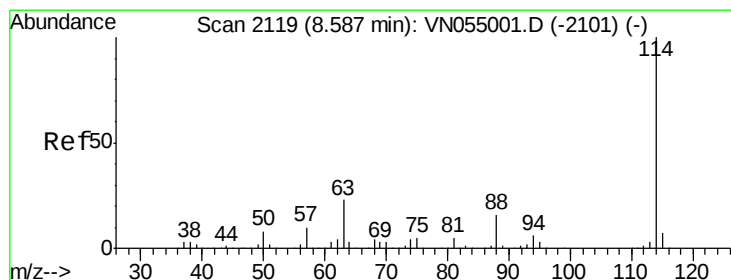
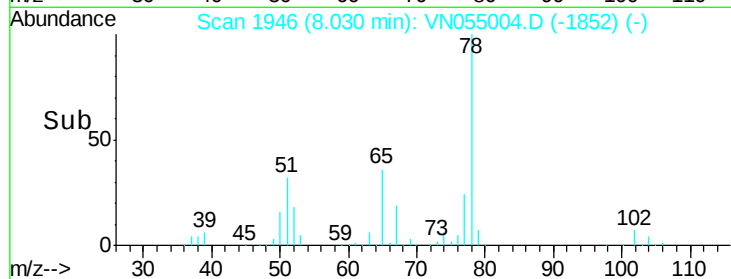
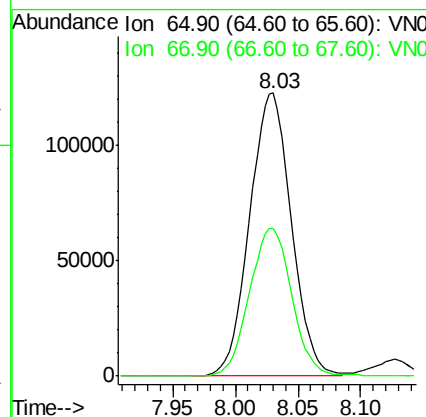
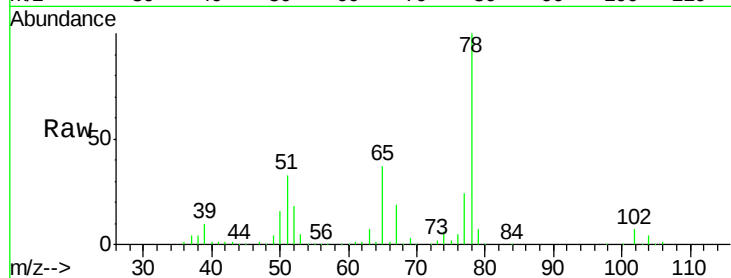
67 53.1 0.0 106.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

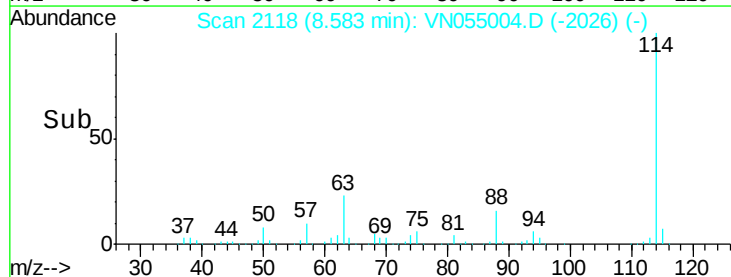
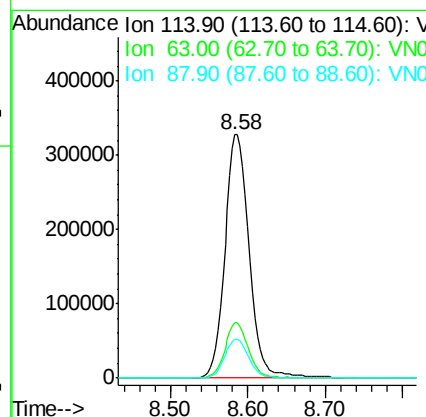
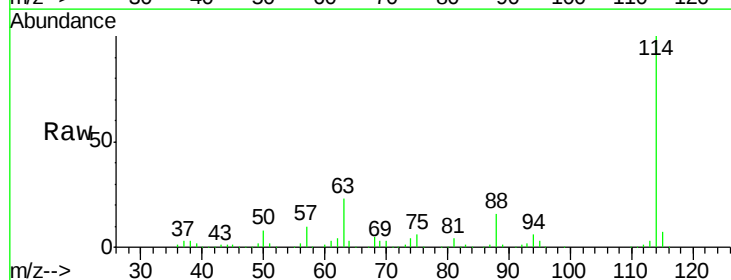
Tgt Ion: 114 Resp: 714028

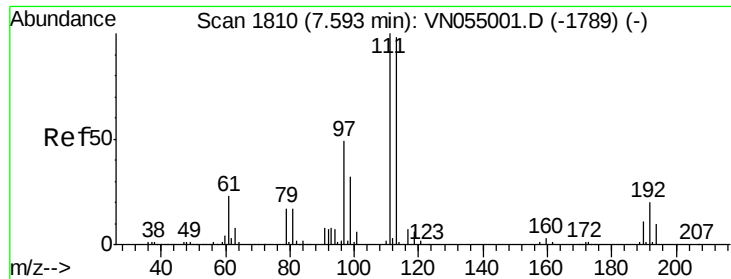
Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.2

88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.812 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

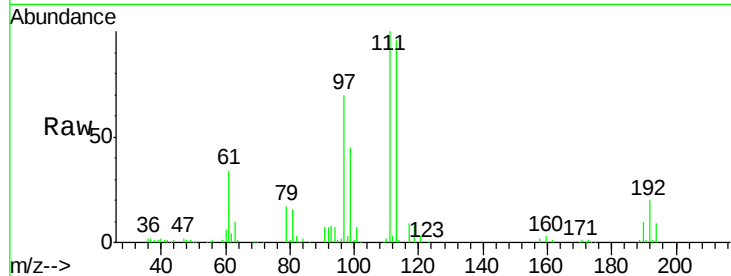
ClientSampleId :

ICVVN041319

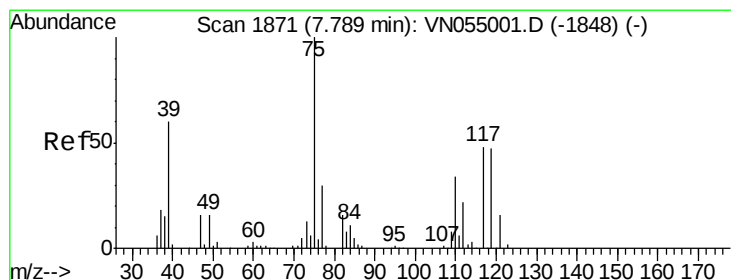
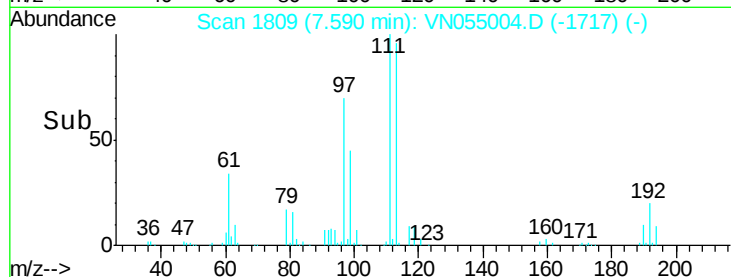
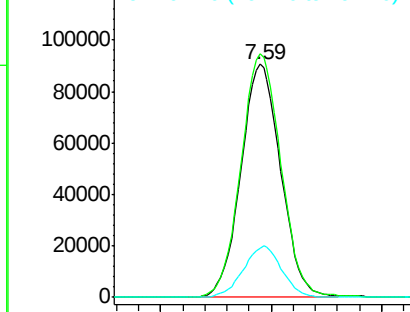
Tot Ion:	113	Resp:	226731
Ion Ratio	Lower	Upper	
113	100		
111	105.1	82.1	123.1
192	21.3	16.5	24.7

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.402 ug/l

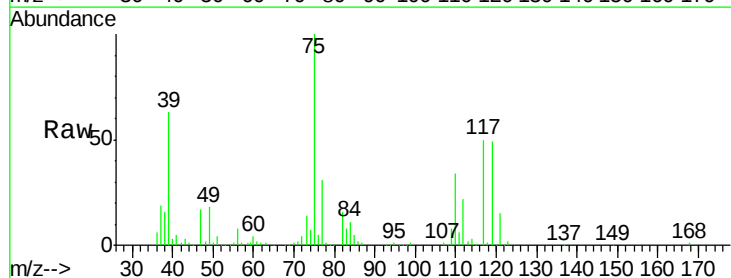
RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

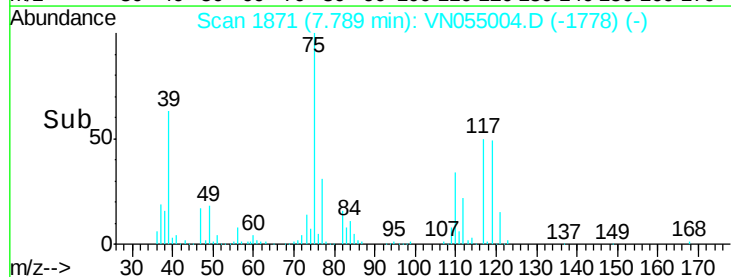
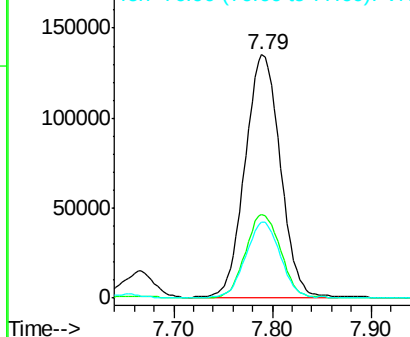
Lab File: VN055004.D

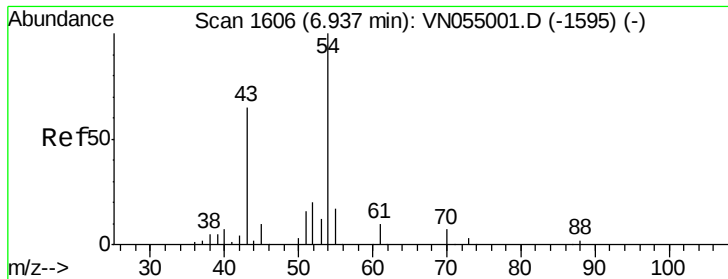
Acq: 12 Apr 2019 17:25

Tgt Ion:	75	Resp:	332604
Ion Ratio	Lower	Upper	
75	100		
110	34.6	17.5	52.5
77	31.0	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





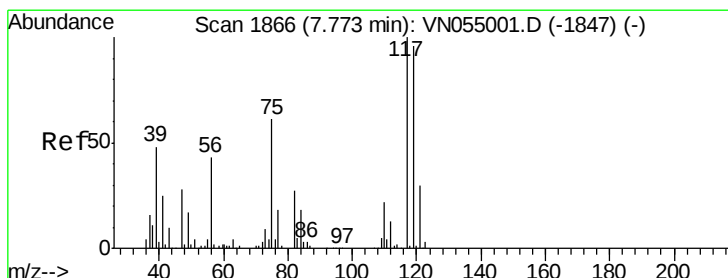
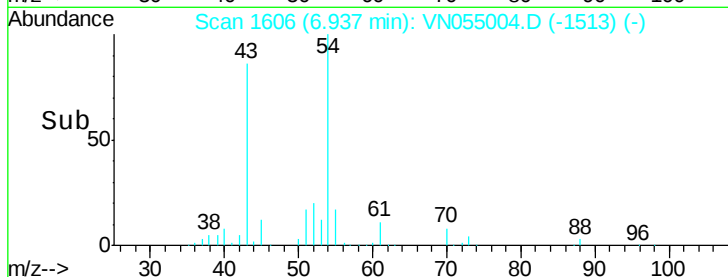
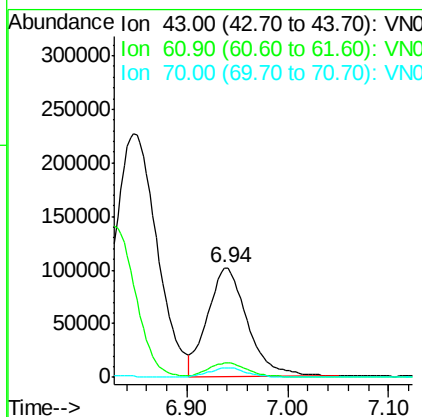
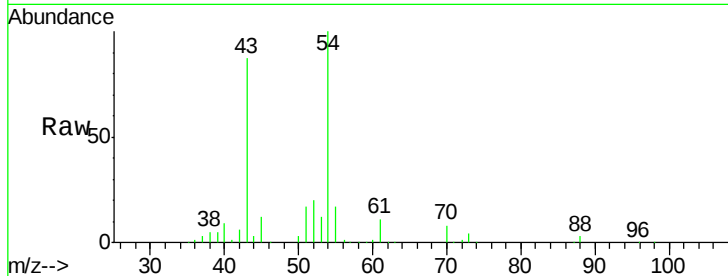
#37
Ethyl Acetate
Concen: 55.935 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampled :
ICVVN041319

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.0	15.0
70	8.6	7.1	10.7

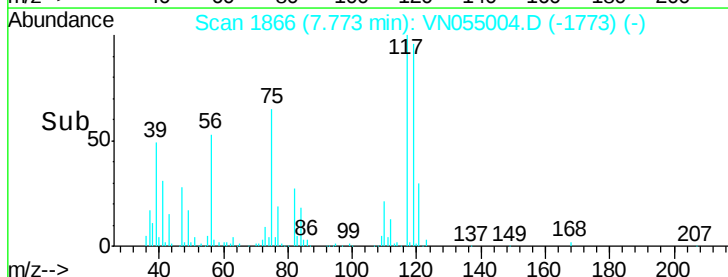
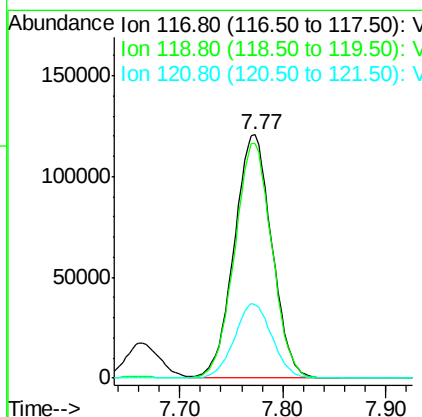
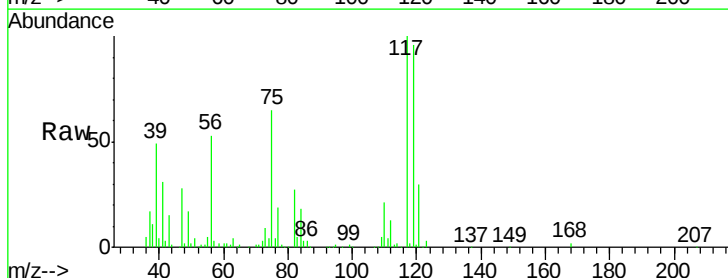
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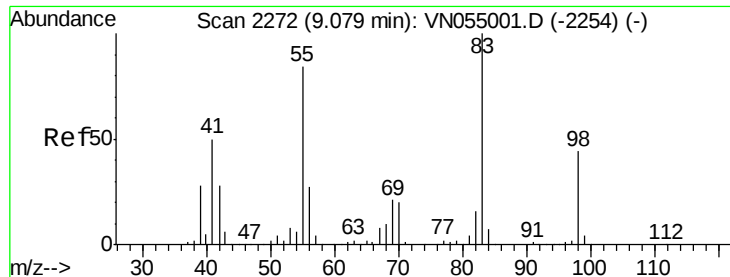
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#38
Carbon Tetrachloride
Concen: 49.235 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.3	114.5
121	30.4	23.9	35.9





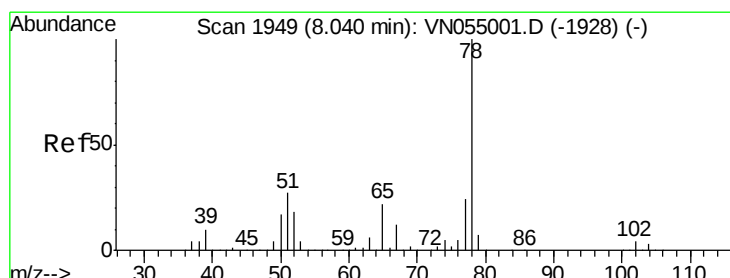
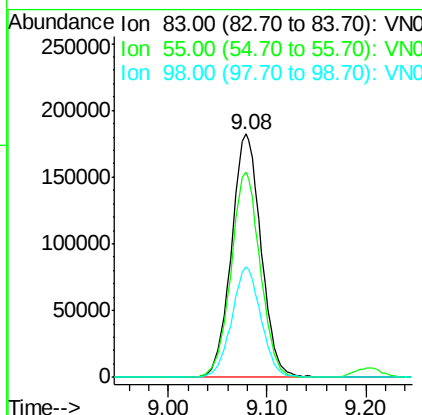
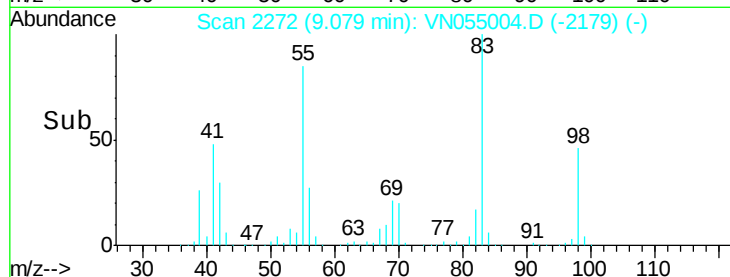
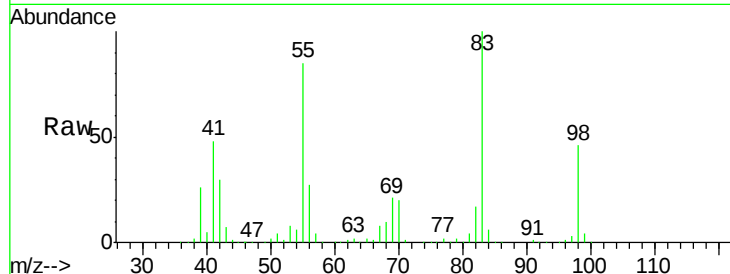
#39
Methvlcvclohexane
Concen: 50.317 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	67.0	100.4
98	45.6	35.6	53.4

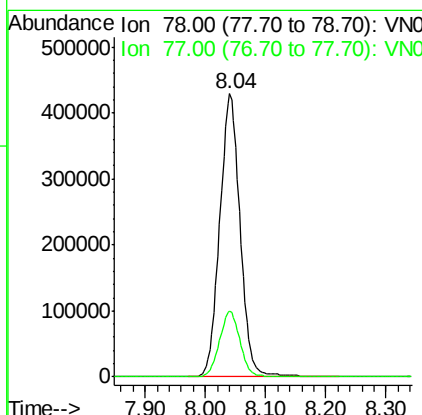
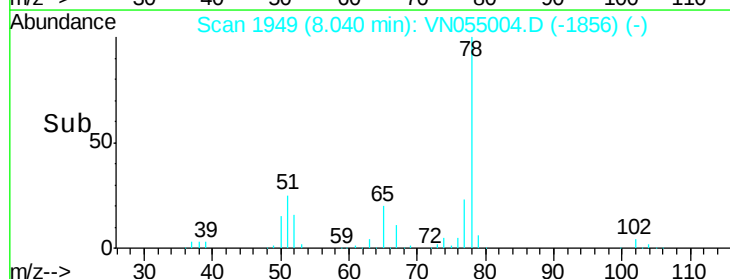
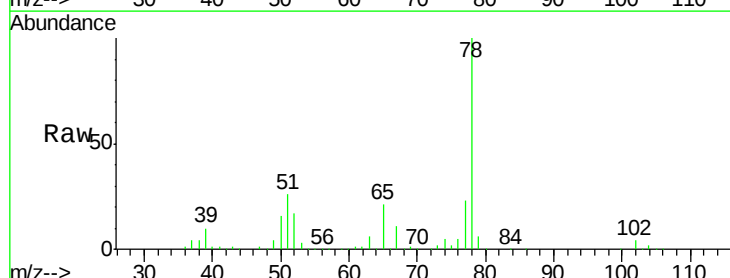
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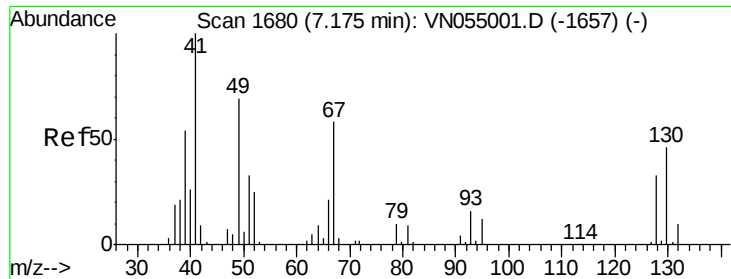
MMDadoda
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#40
Benzene
Concen: 50.049 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





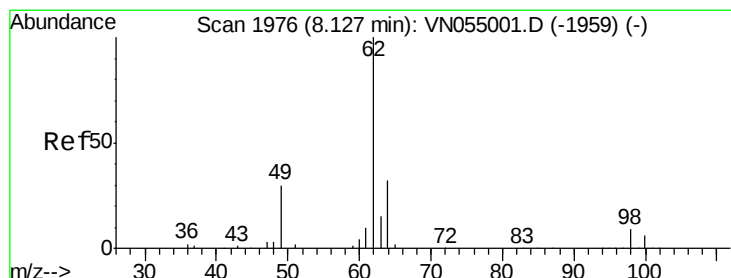
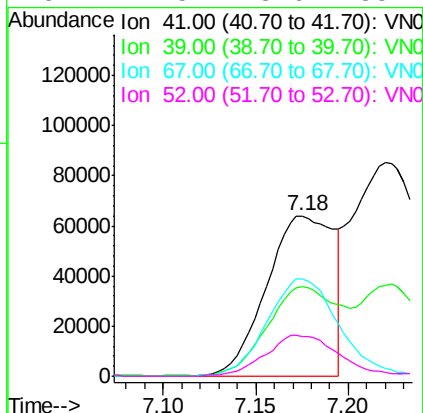
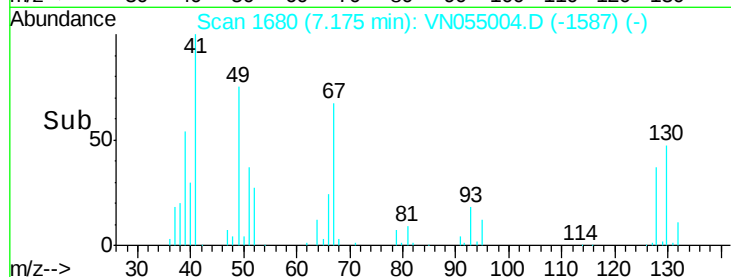
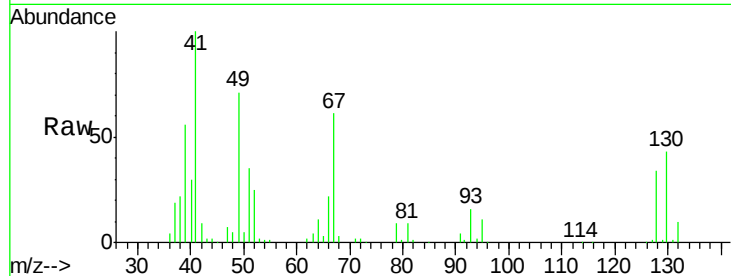
#41
Methacrylonitrile
Concen: 52.832 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.9	45.6	68.4	
67	65.8	57.0	85.6	
52	27.5	23.6	35.4	

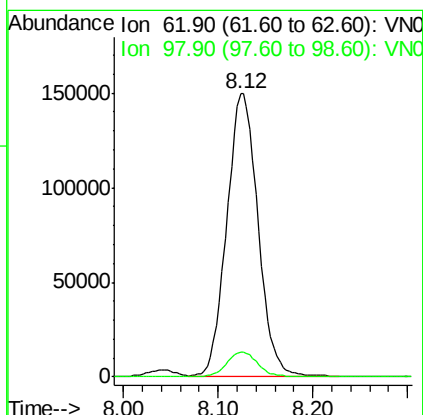
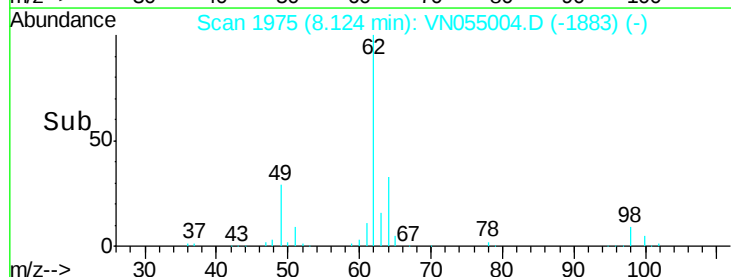
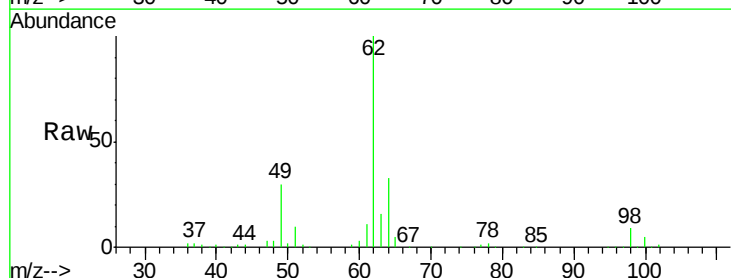
Manual Integrations
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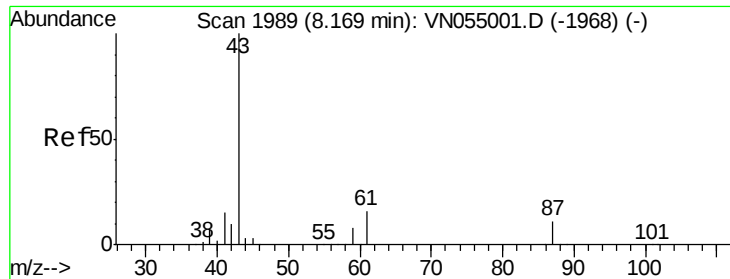
MMDadoda
4/16/2019 1:58:24 PM



#42
1,2-Dichloroethane
Concen: 48.843 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.4	





#43

Isopropyl Acetate

Concen: 54.592 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

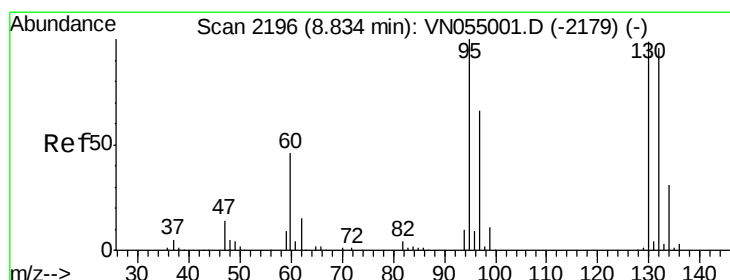
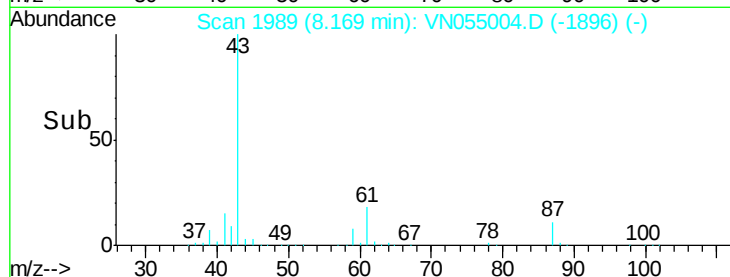
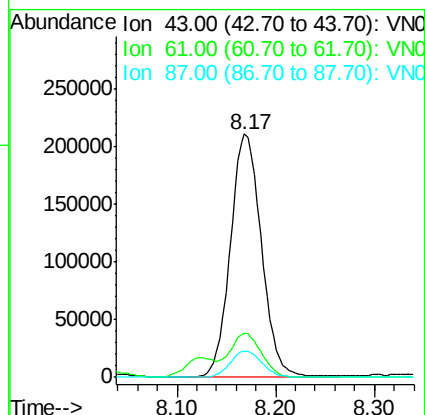
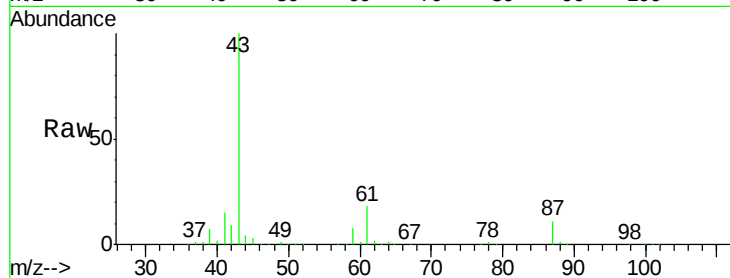
ClientSampleId :

ICVVN041319

Tot Ion:	43	Resp:	462447
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.3	21.5
87	11.2	8.6	13.0

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MMDadoda
4/16/2019 1:58:24 PM



#44

Trichloroethene

Concen: 49.657 ug/l

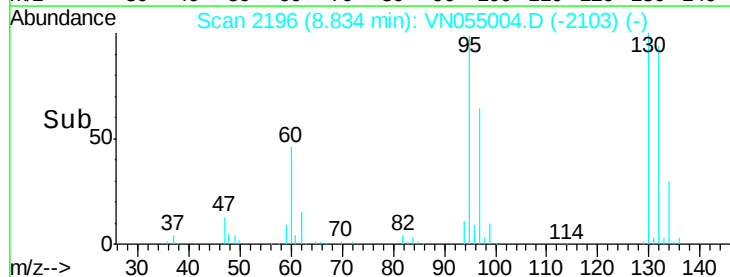
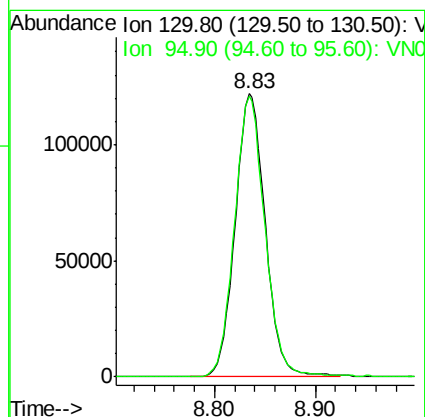
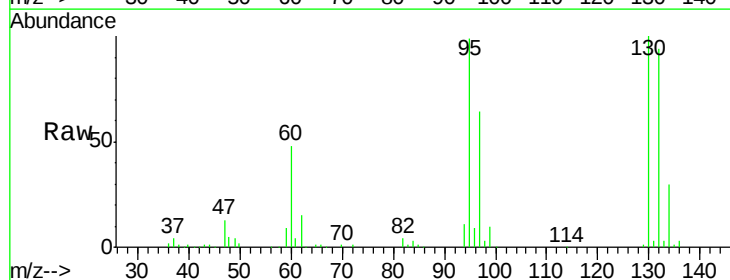
RT: 8.83 min Scan# 2196

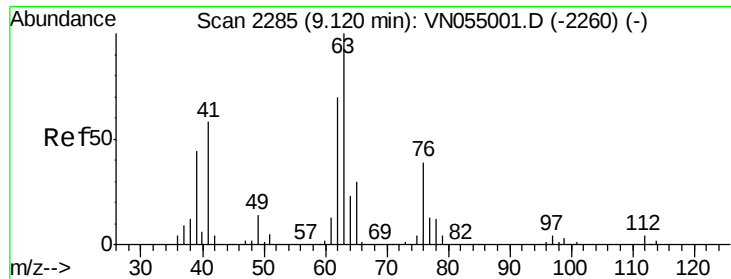
Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Tgt Ion:	130	Resp:	253183
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	201.6





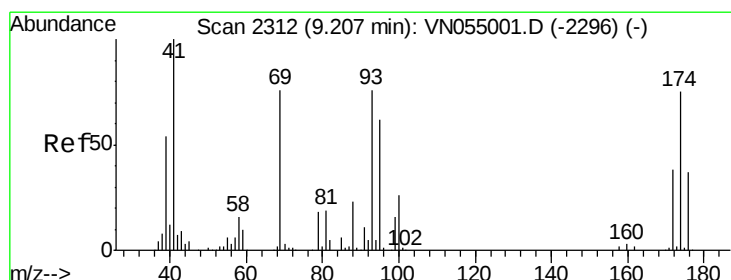
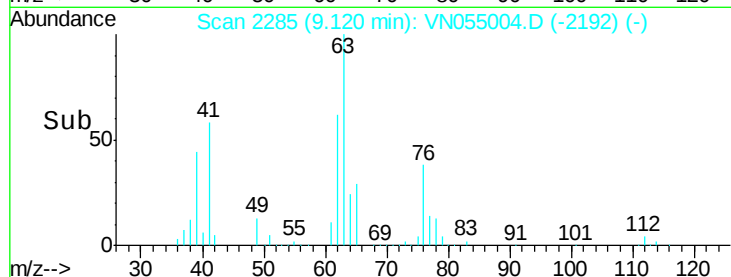
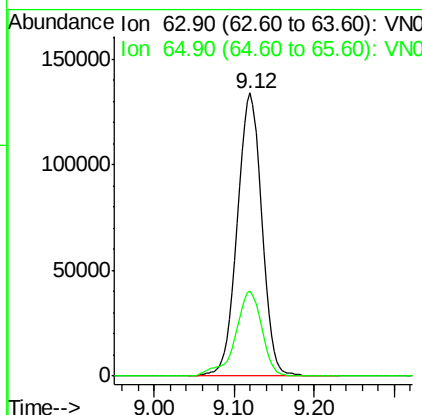
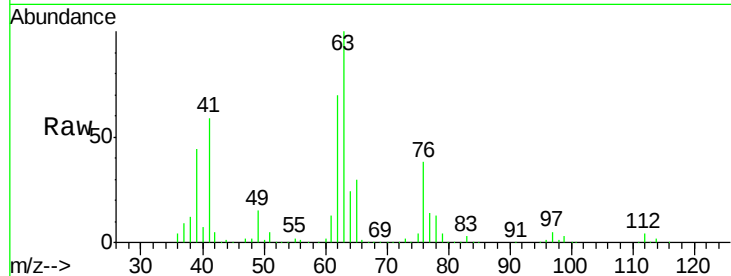
#45
 1,2-Dichloropropane
 Concen: 49.177 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

Tot Ion: 63 Resp: 276873
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.4 36.6

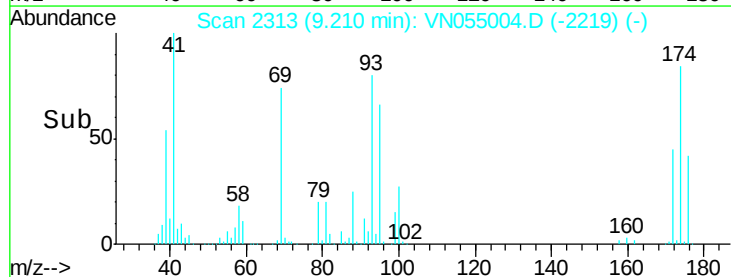
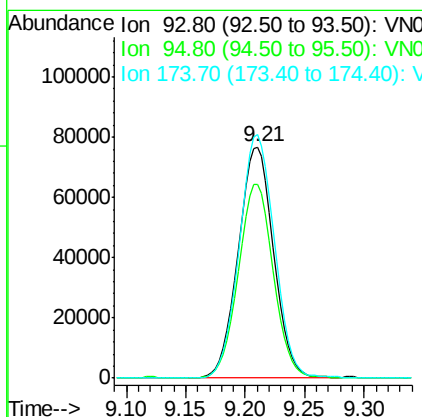
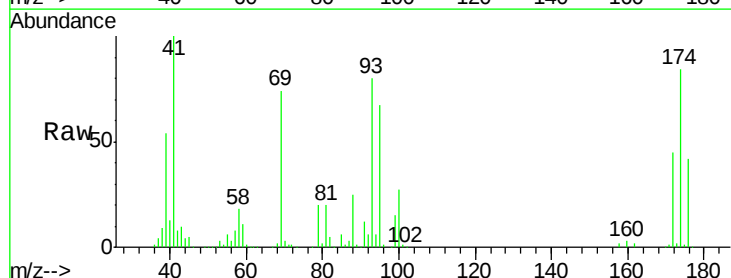
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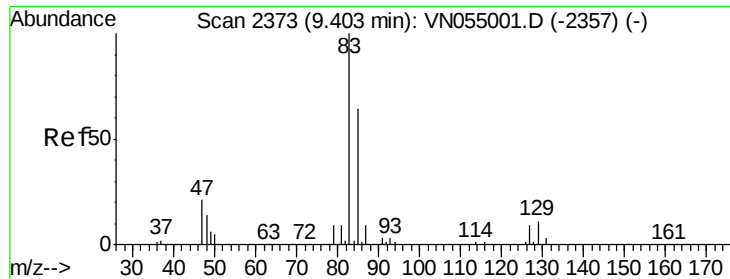
MMDadoda
 4/16/2019 1:58:24 PM



#46
 Dibromomethane
 Concen: 49.081 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Tgt Ion: 93 Resp: 158337
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.0 97.6
 174 104.8 81.0 121.6





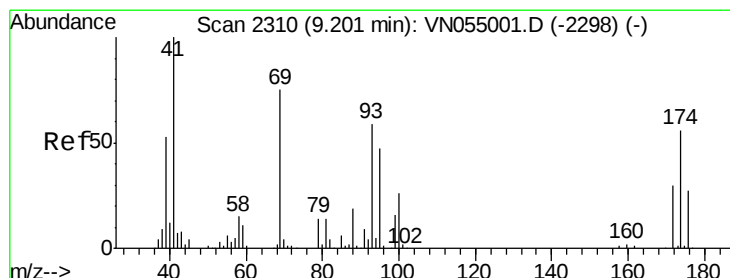
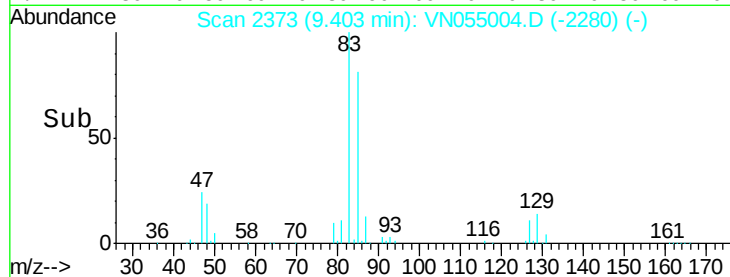
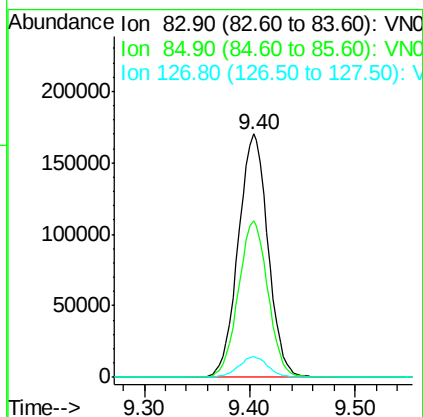
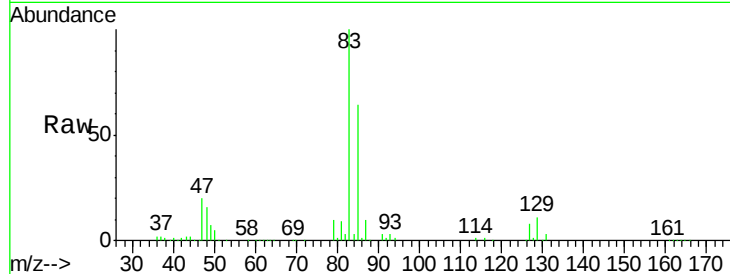
#47
Bromodichloromethane
Concen: 50.645 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampled :
ICVVN041319

Tot Ion	83	Resp	332254
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	51.2	76.8
127	8.4	6.8	10.2

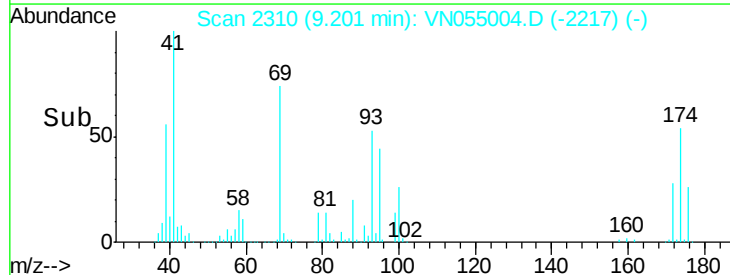
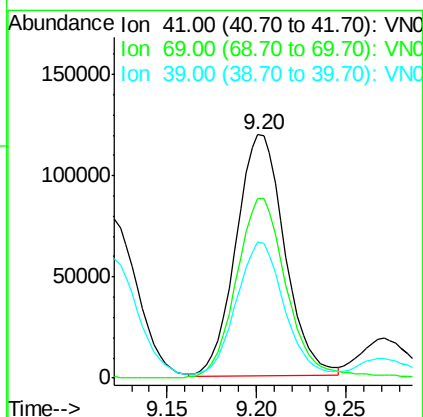
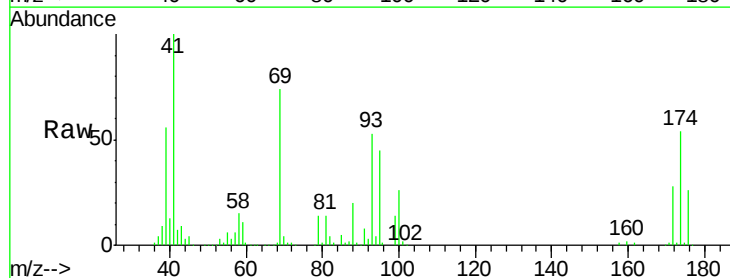
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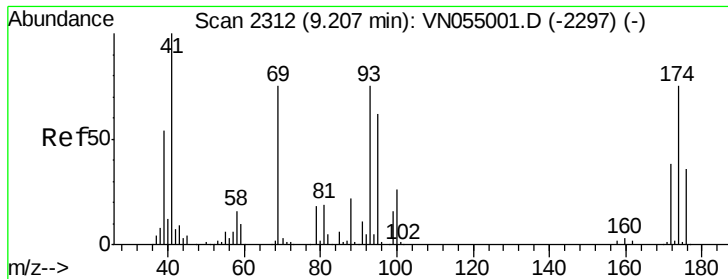
MMDadoda
4/16/2019 1:58:24 PM



#48
Methyl methacrylate
Concen: 52.131 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	41	Resp	227489
Ion Ratio	100	Lower	Upper
41	100		
69	77.0	60.5	90.7
39	55.9	43.9	65.9





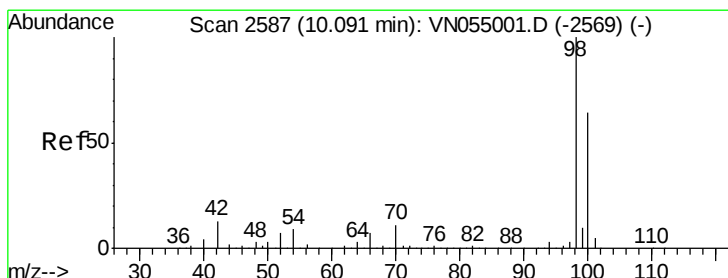
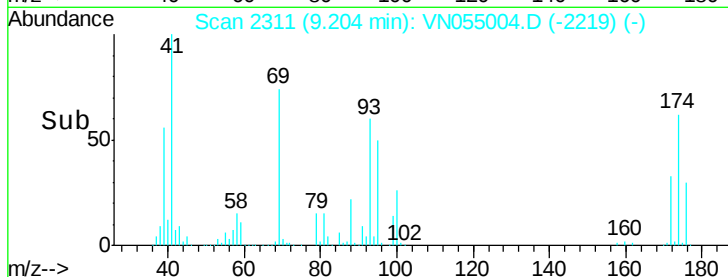
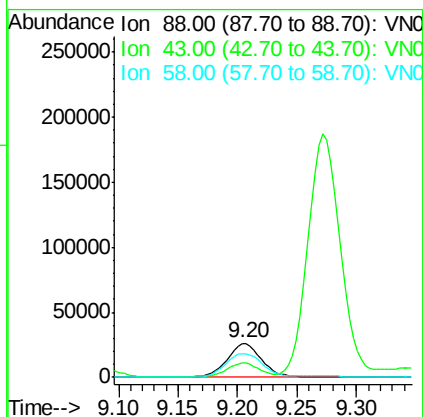
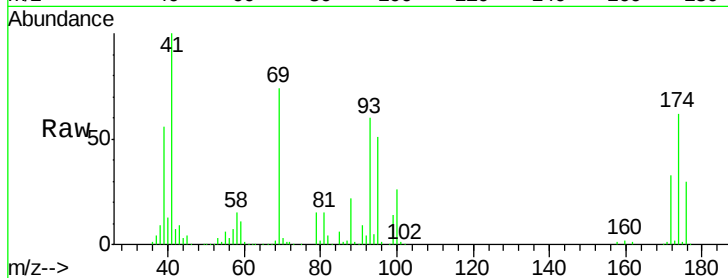
#49
1,4-Dioxane
Concen: 1121.629 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion	88	Resp	52638
Ion	Ratio	Lower	Upper
88	100		
43	38.4	31.8	47.8
58	75.7	61.6	92.4

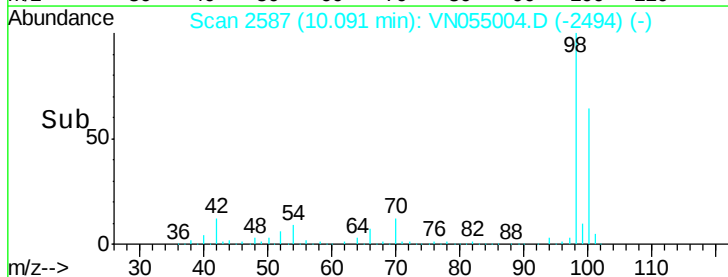
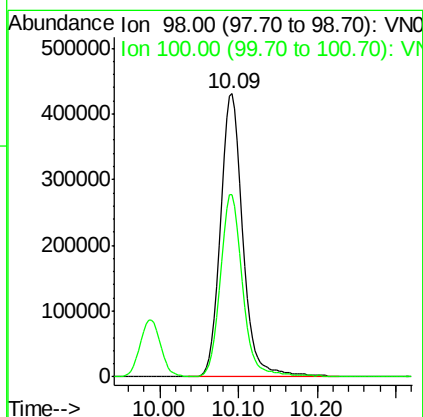
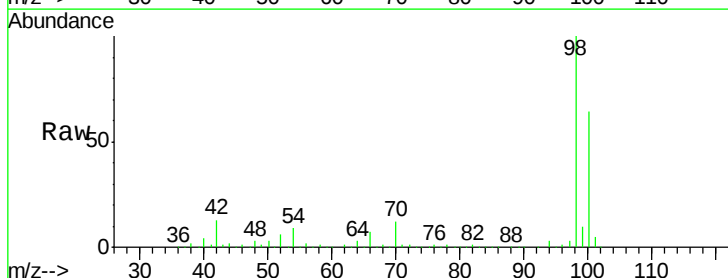
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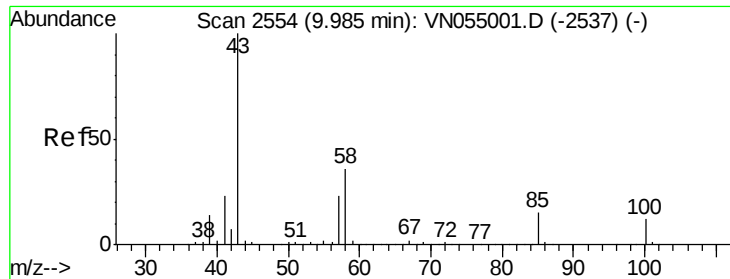
MMDadoda
4/16/2019 1:58:24 PM



#50
Toluene-d8
Concen: 50.559 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	98	Resp	845248
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 268.169 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

Tot Ion: 43 Resp: 1330106

Ion Ratio Lower Upper

43 100

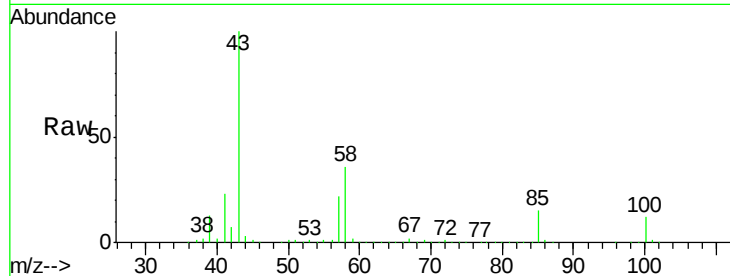
58 35.9 29.0 43.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

800000

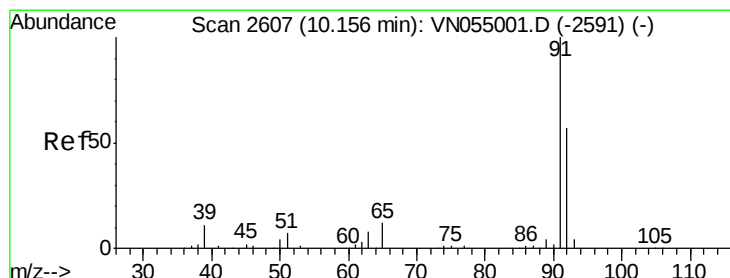
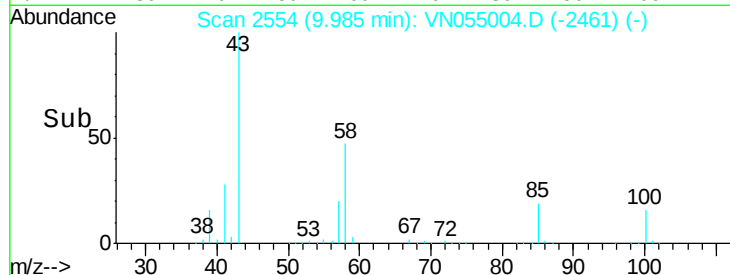
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.108 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055004.D

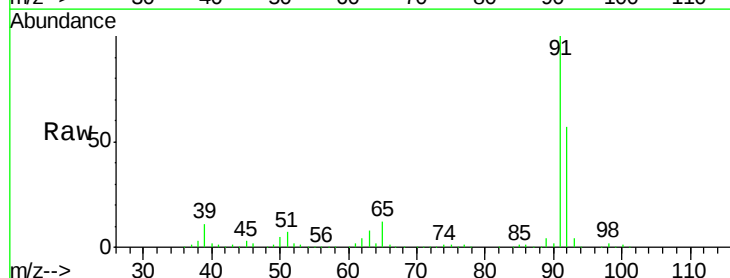
Acq: 12 Apr 2019 17:25

Tgt Ion: 92 Resp: 591238

Ion Ratio Lower Upper

92 100

91 175.7 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

600000

500000

400000

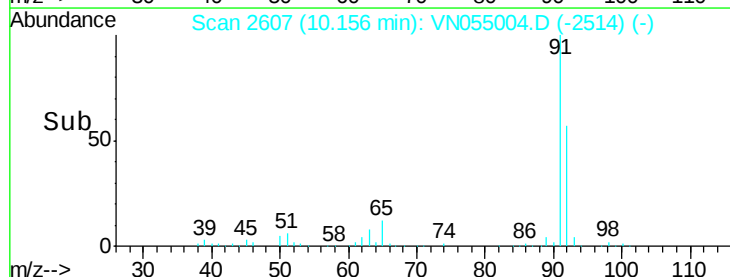
300000

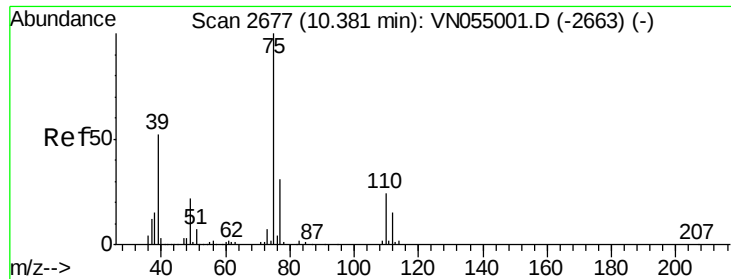
200000

100000

0

Time-->





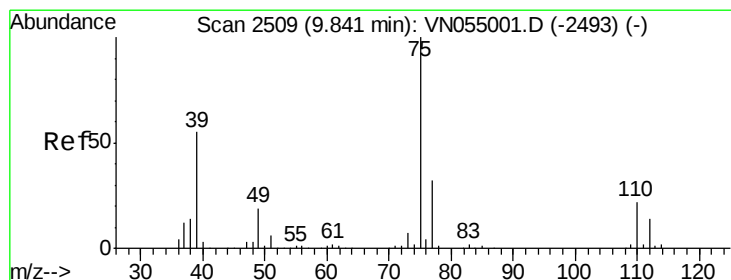
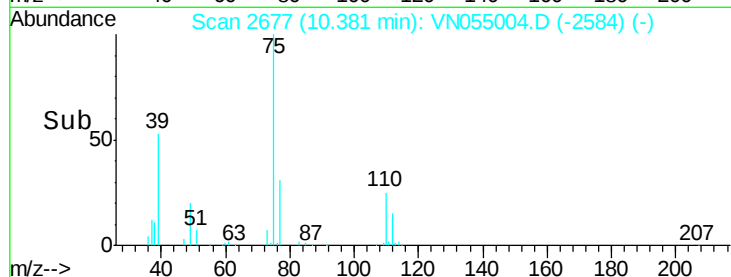
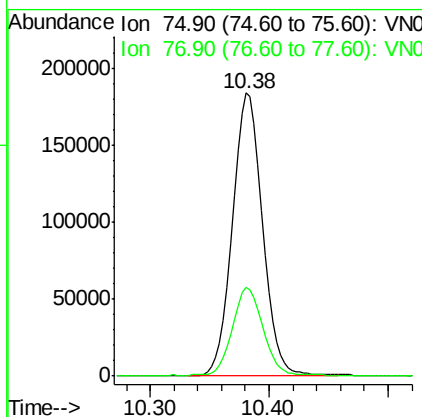
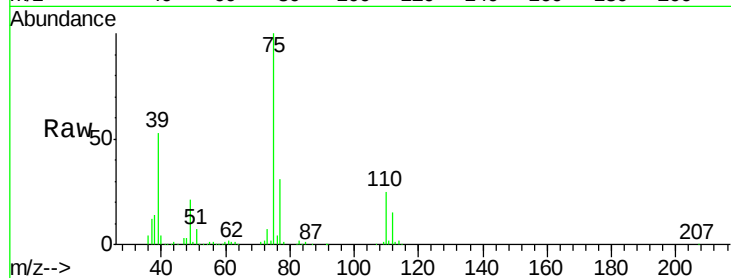
#53
 t-1,3-Dichloropropene
 Concen: 54.429 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	37.0

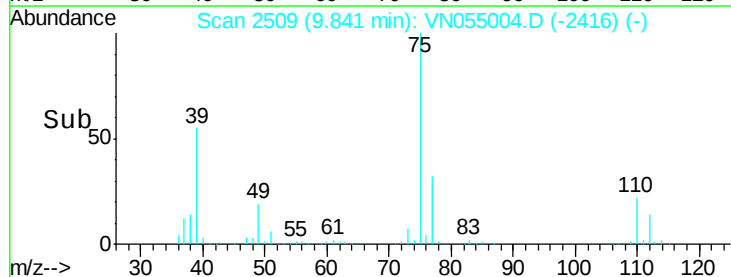
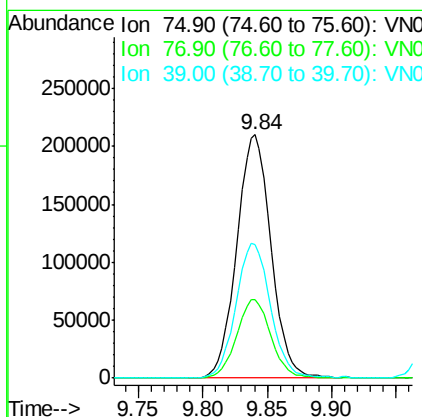
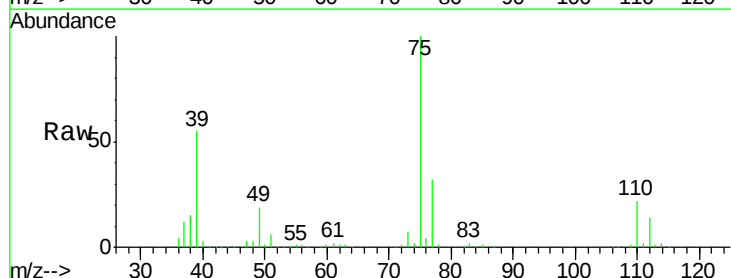
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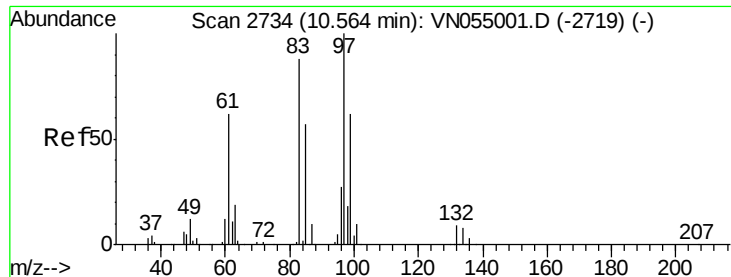
MMDadoda
 4/16/2019 1:58:24 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.099 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	54.9	43.8	65.8





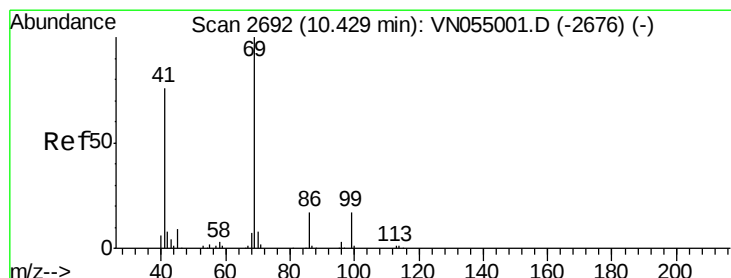
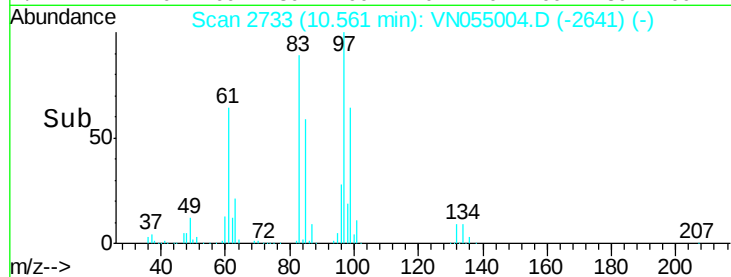
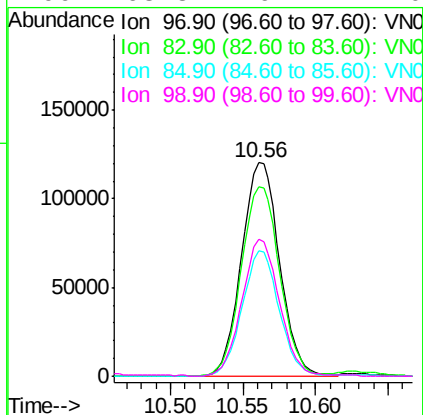
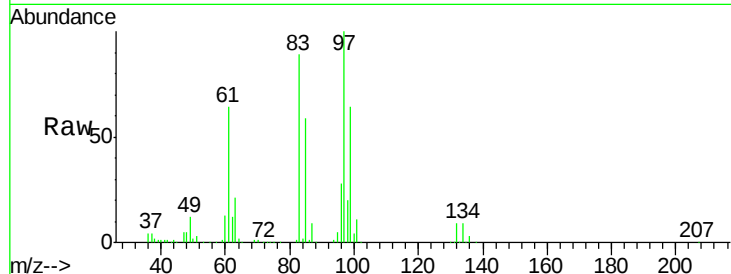
#55
 1,1,2-Trichloroethane
 Concen: 50.114 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

Tot Ion:	97	Resp:	220272
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.5	105.7
85	58.8	45.5	68.3
99	63.8	49.4	74.0

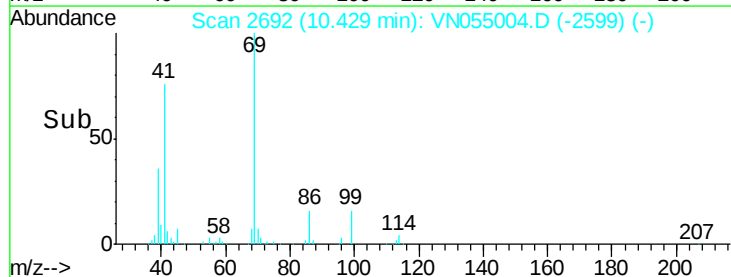
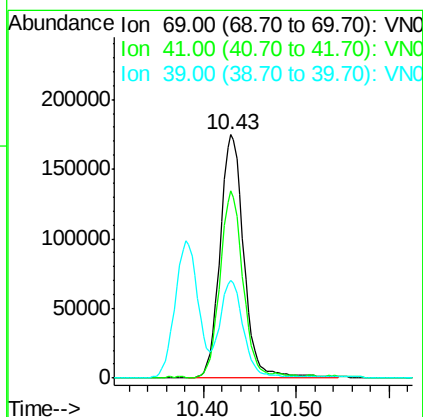
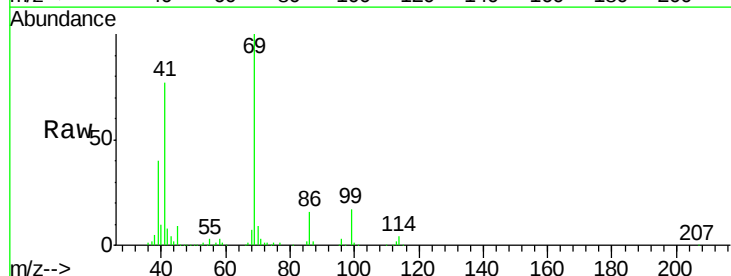
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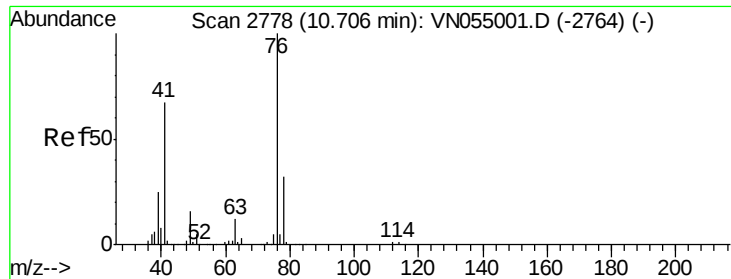
MMDadoda
 4/16/2019 1:58:24 PM



#56
 Ethyl methacrylate
 Concen: 55.102 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Tgt Ion:	69	Resp:	311651
Ion	Ratio	Lower	Upper
69	100		
41	73.7	61.4	92.0
39	38.3	30.8	46.2





#57

1,3-Dichloropropane

Concen: 51.781 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

Tot Ion: 76 Resp: 392630

Ion Ratio Lower Upper

76 100

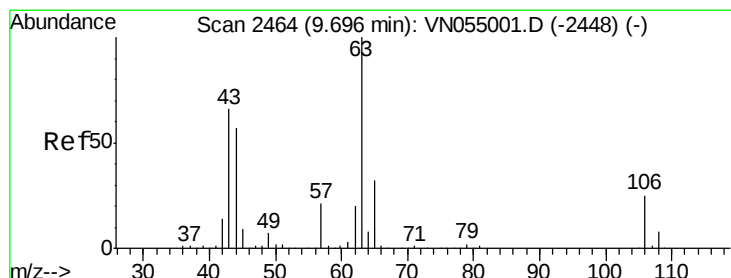
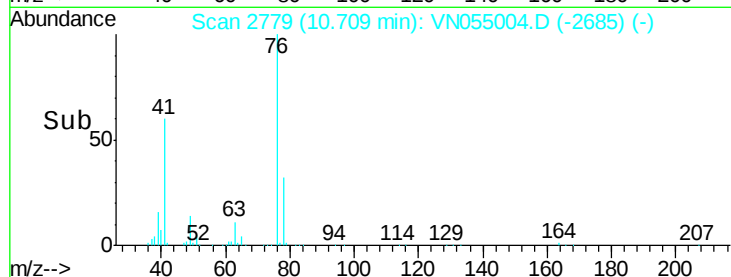
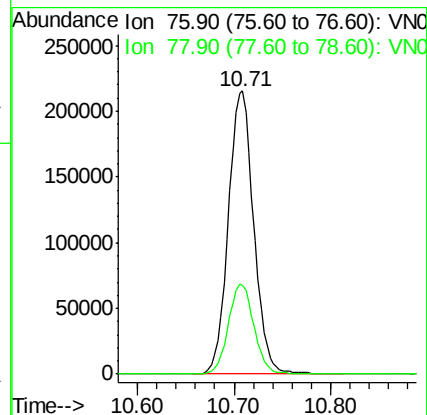
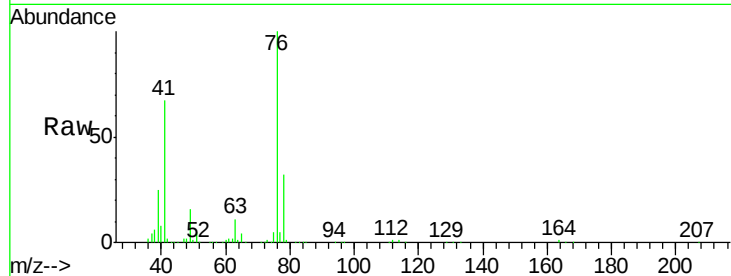
78 32.0 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 241.313 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055004.D

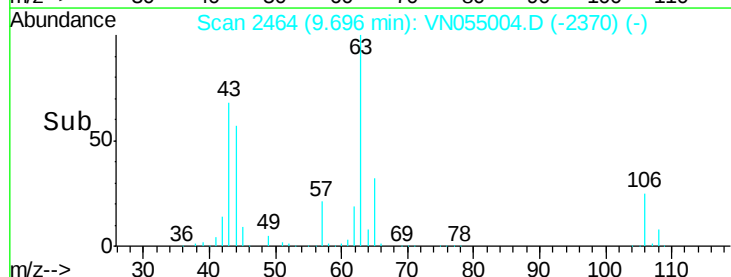
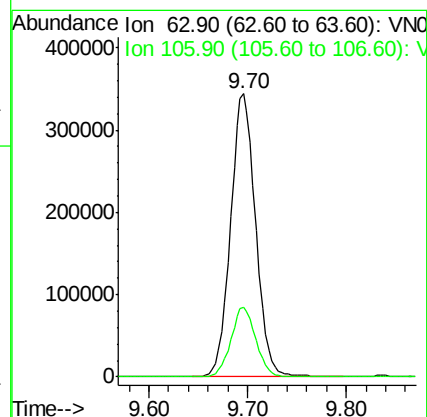
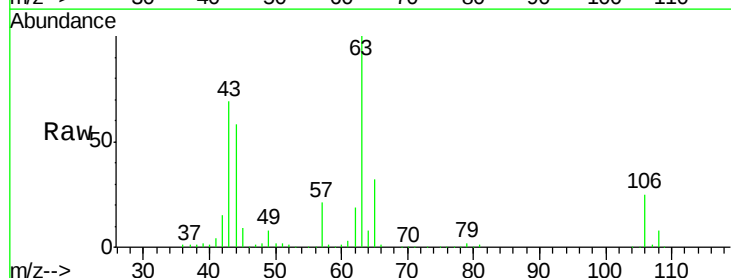
Acq: 12 Apr 2019 17:25

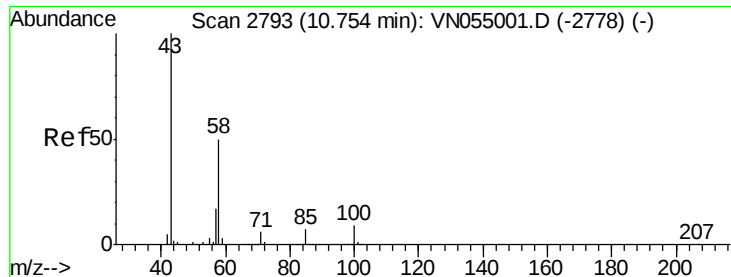
Tgt Ion: 63 Resp: 611538

Ion Ratio Lower Upper

63 100

106 24.5 20.0 30.0





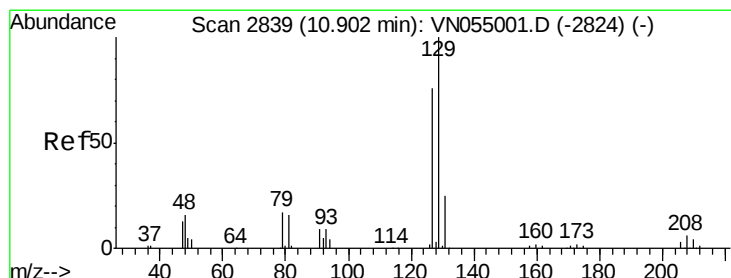
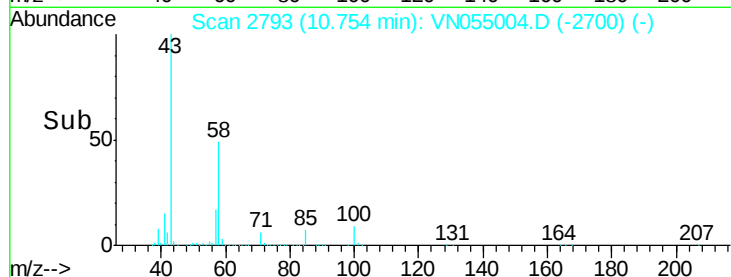
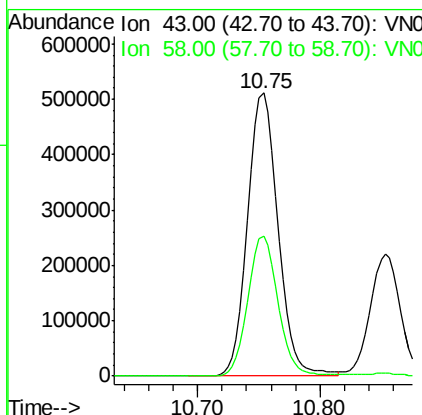
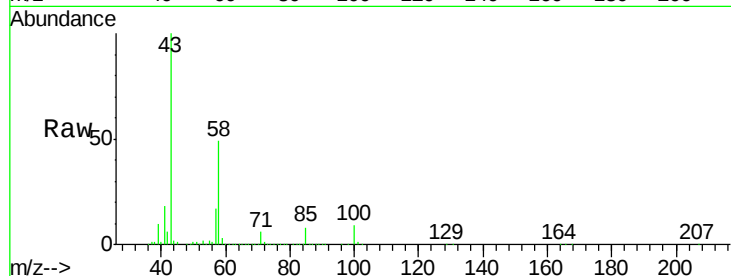
#59
2-Hexanone
Concen: 282.889 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampled :
ICVVN041319

Tot Ion: 43 Resp: 876800
Ion Ratio Lower Upper
43 100
58 49.5 25.1 75.2

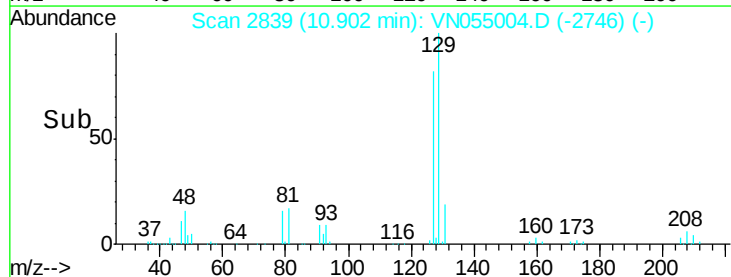
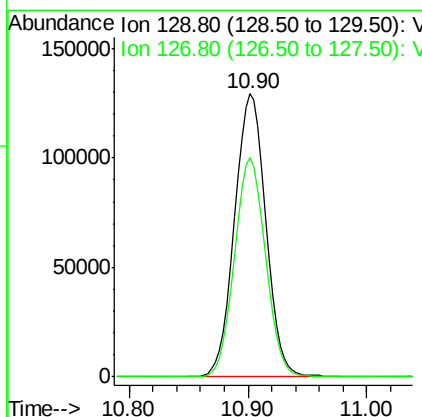
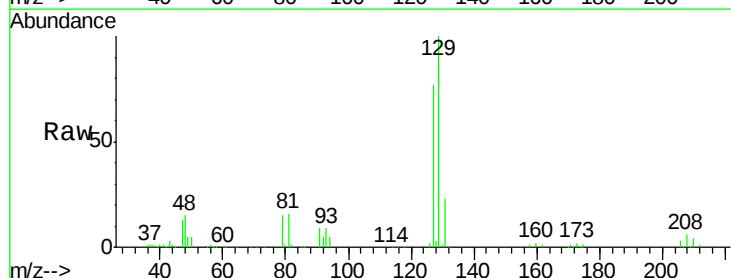
Manual Integrations
APPROVED

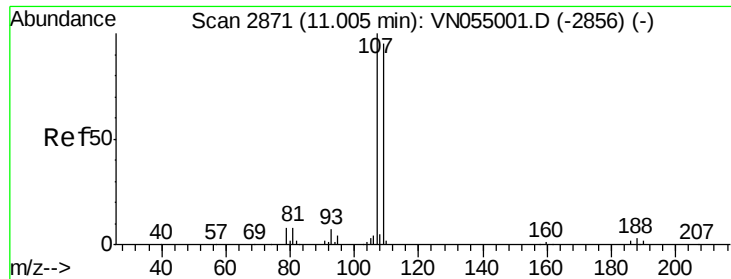
MMDadoda
4/16/2019 1:58:24 PM



#60
Dibromochloromethane
Concen: 53.907 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion: 129 Resp: 235855
Ion Ratio Lower Upper
129 100
127 76.7 38.2 114.6





#61

1,2-Dibromoethane

Concen: 51.559 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampled :

ICVVN041319

Tot Ion: 107 Resp: 216979

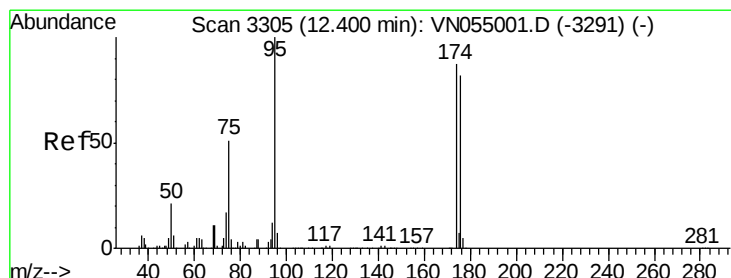
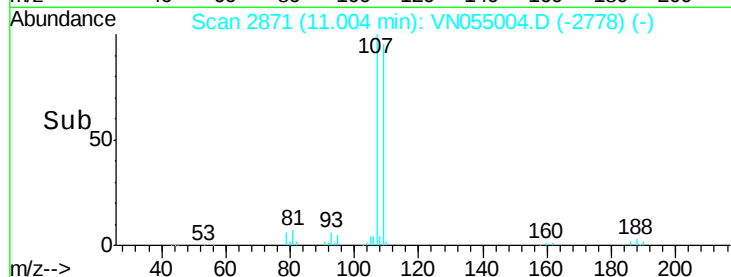
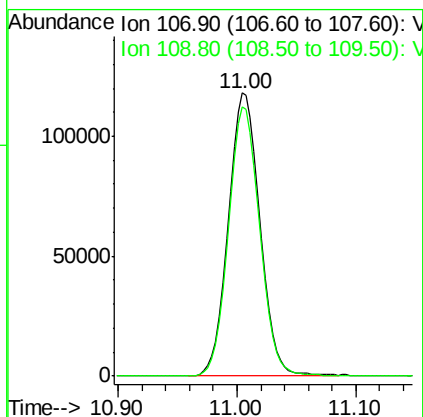
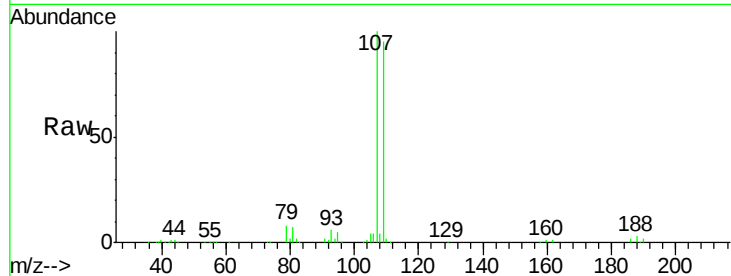
Ion Ratio Lower Upper

107 100

109 94.5 76.5 114.7

Manual Integrations
APPROVED

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4/16/2019 1:58:24 PM



#62

4-Bromofluorobenzene

Concen: 51.670 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

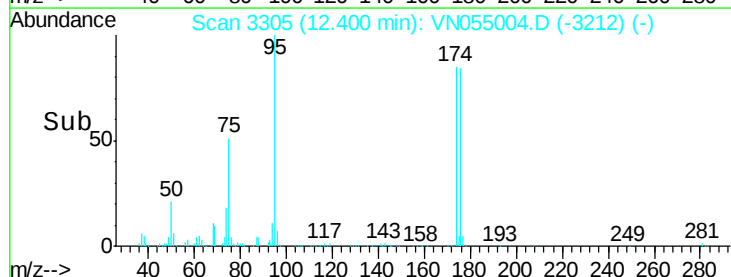
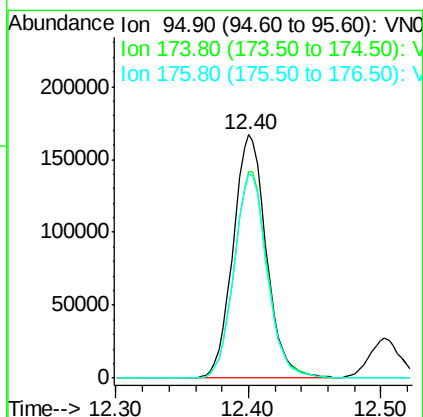
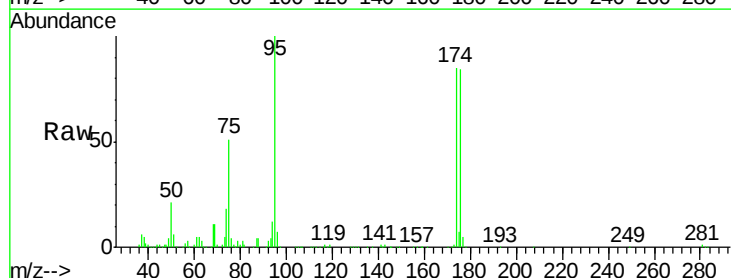
Tgt Ion: 95 Resp: 290974

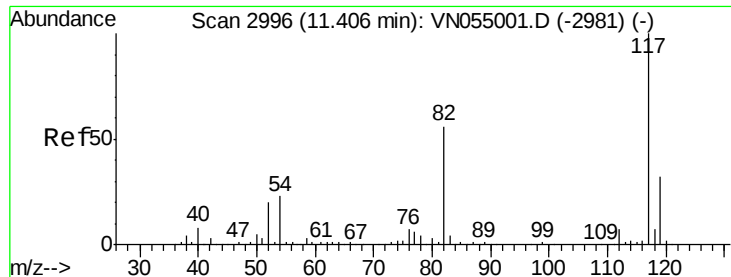
Ion Ratio Lower Upper

95 100

174 84.7 0.0 174.4

176 83.3 0.0 166.8





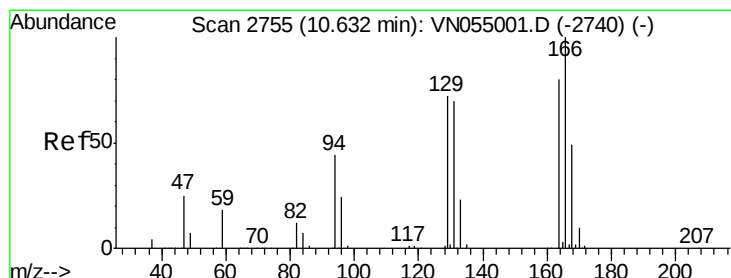
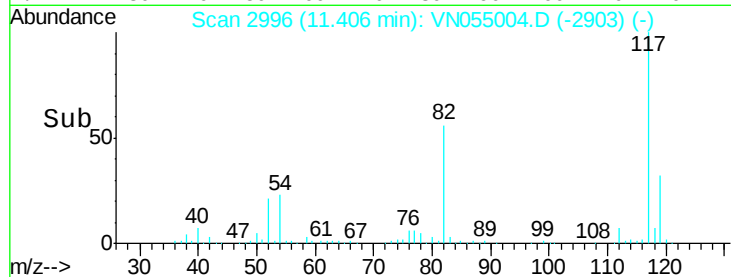
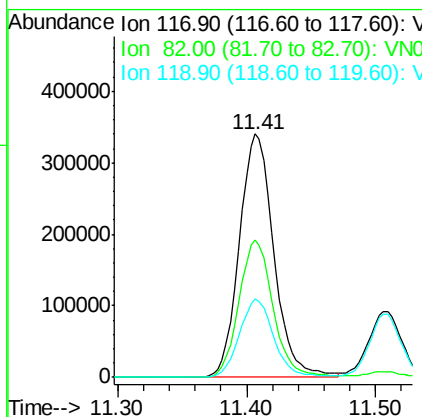
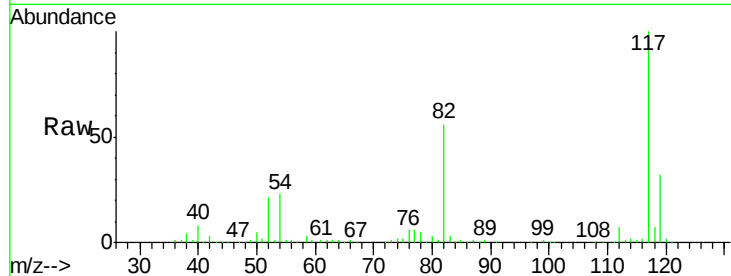
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.6	66.8
119	32.0	25.5	38.3

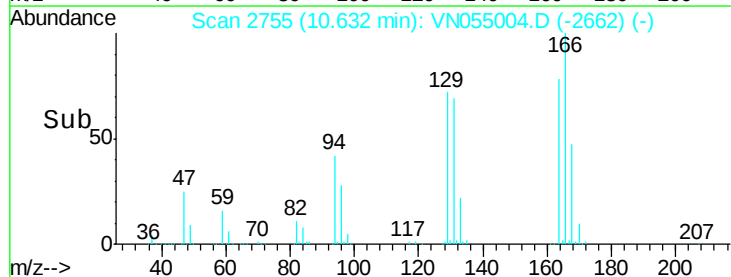
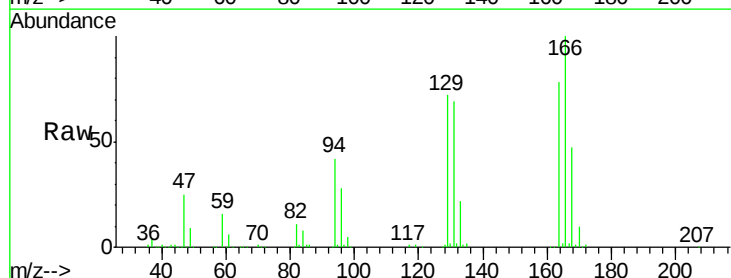
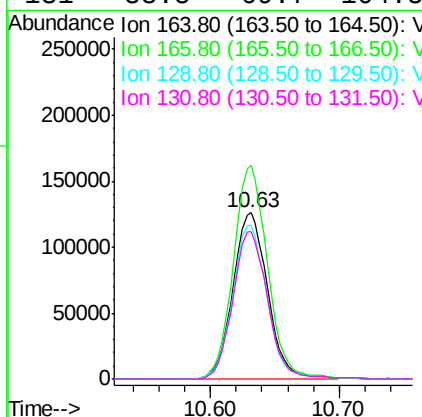
Manual Integrations
APPROVED

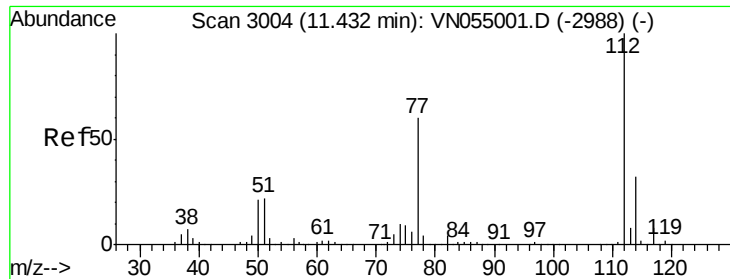
MMDadoda
4/16/2019 1:58:24 PM



#64
Tetrachloroethene
Concen: 47.386 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	100.0	150.0
129	92.2	72.0	108.0
131	88.5	69.7	104.5





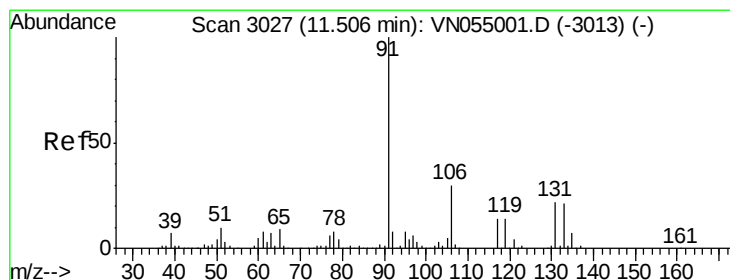
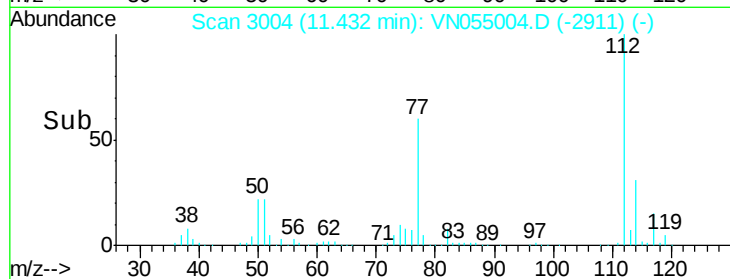
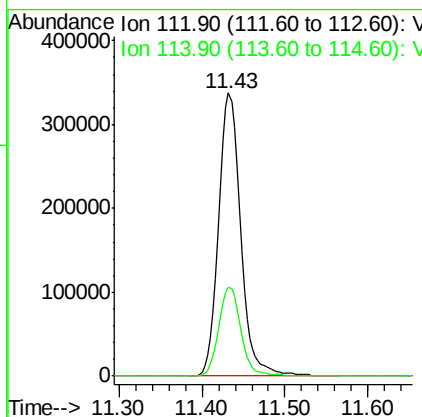
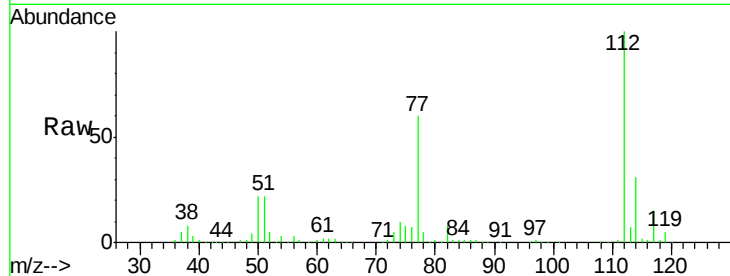
#65
Chlorobenzene
Concen: 50.854 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion:112 Resp: 622155
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

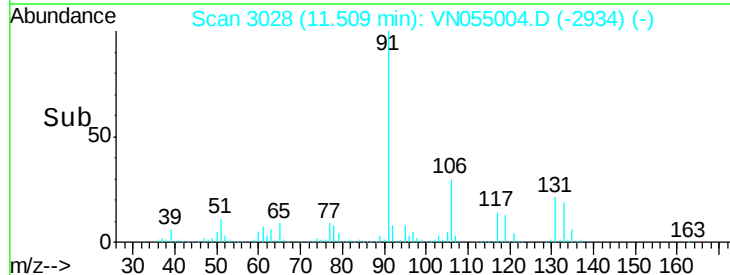
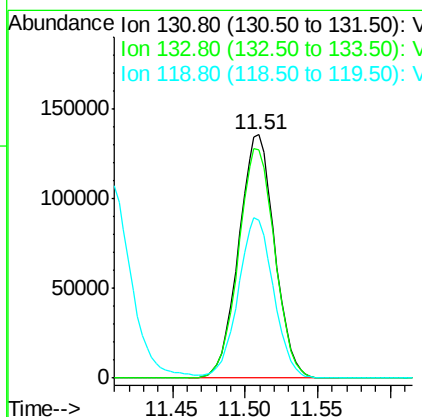
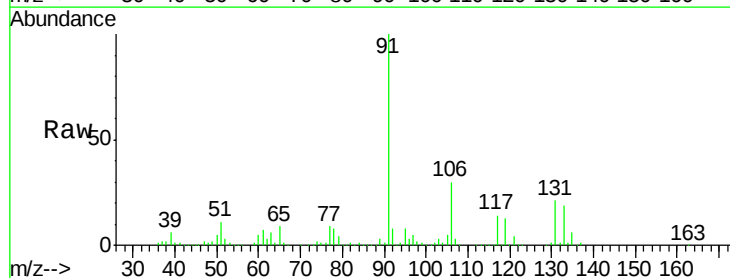
Manual Integrations
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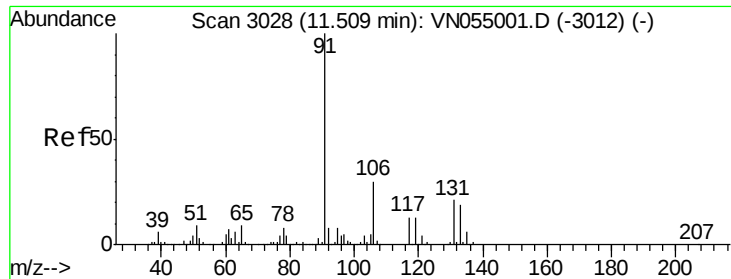
MMDadoda
4/16/2019 1:58:24 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.740 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion:131 Resp: 233276
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 64.9 33.6 100.6





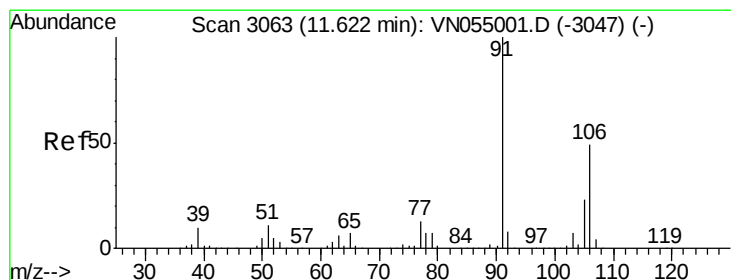
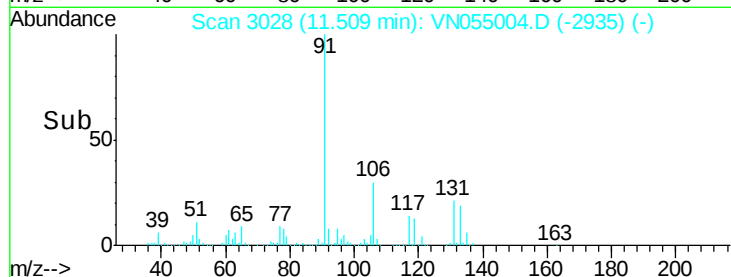
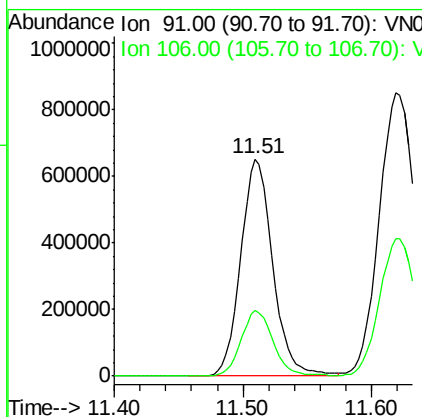
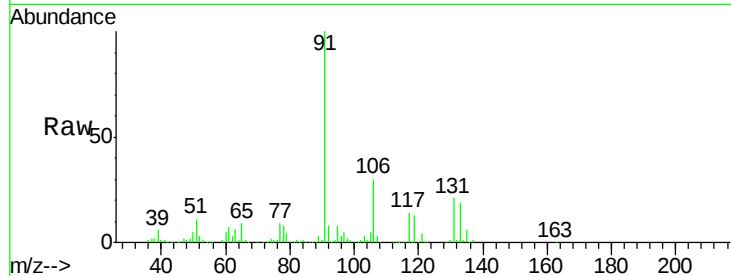
#67
Ethyl Benzene
Concen: 50.204 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion: 91 Resp: 1128231
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5

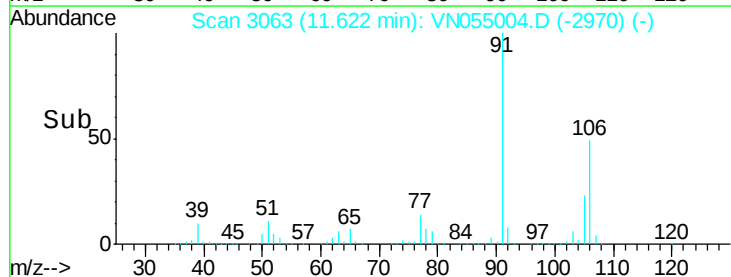
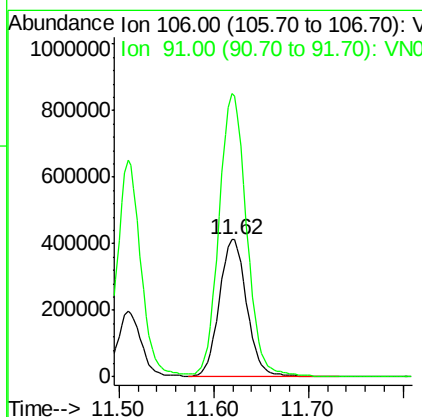
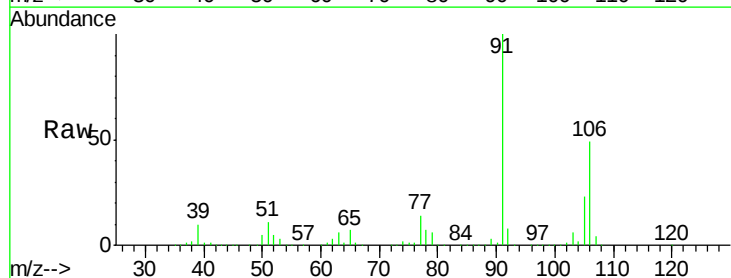
Manual Integrations
APPROVED

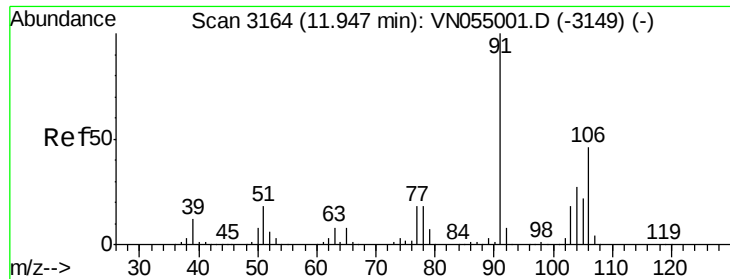
MMDadoda
4/16/2019 1:58:24 PM



#68
m/p-Xylenes
Concen: 101.798 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion: 106 Resp: 836983
Ion Ratio Lower Upper
106 100
91 207.0 165.9 248.9





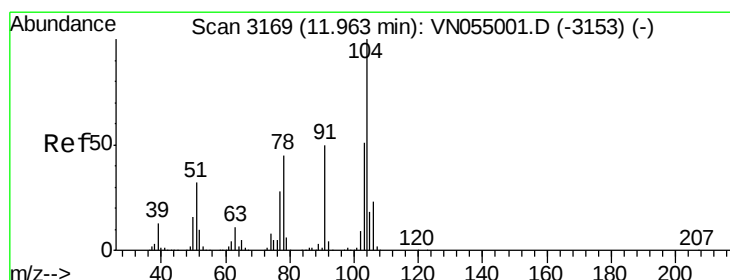
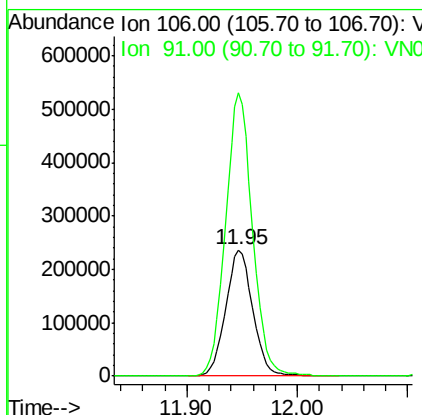
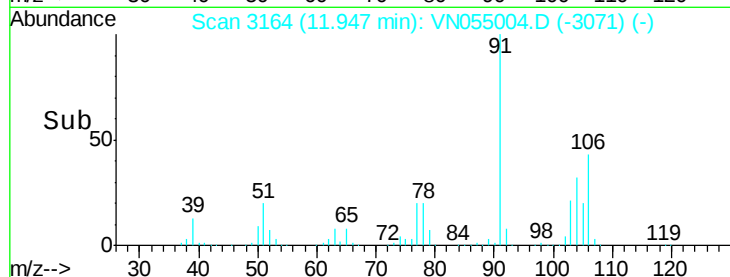
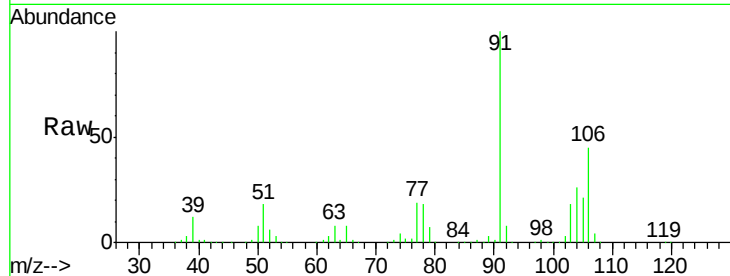
#69
o-Xylene
Concen: 49.438 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion:106 Resp: 402184
Ion Ratio Lower Upper
106 100
91 222.6 109.9 329.8

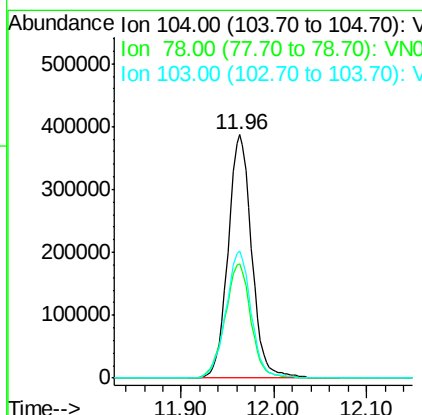
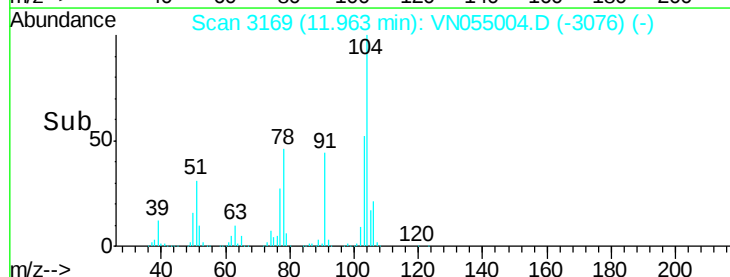
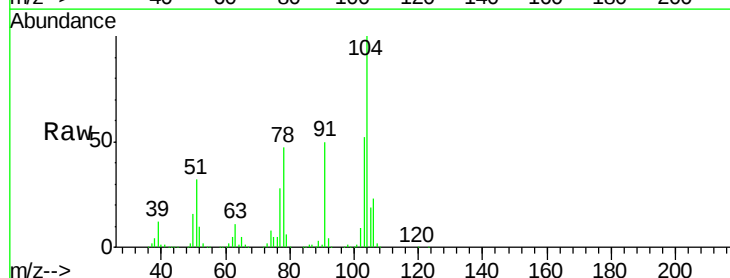
Manual Integrations
APPROVED

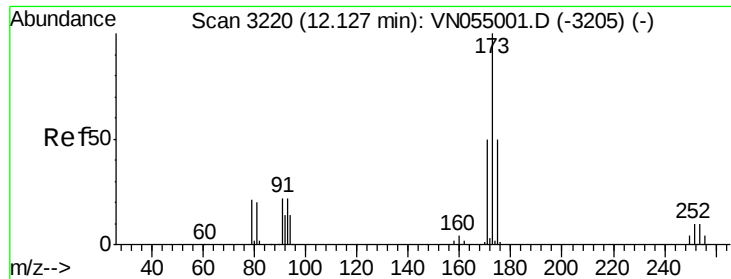
MMDadoda
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#70
Styrene
Concen: 53.026 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion:104 Resp: 683980
Ion Ratio Lower Upper
104 100
78 51.2 40.3 60.5
103 55.8 44.3 66.5





#71

Bromoform

Concen: 49.022 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampled :

ICVVN041319

Tot Ion:173 Resp: 151388

Ion Ratio Lower Upper

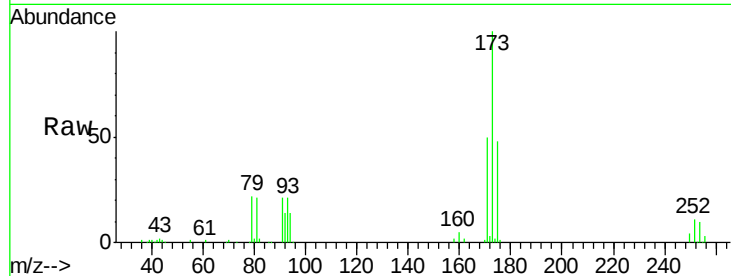
173 100

175 47.6 24.3 73.0

254 0.1 0.1 0.1

Manual Integrations
APPROVED

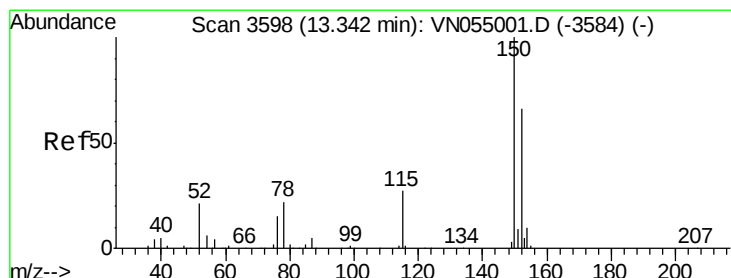
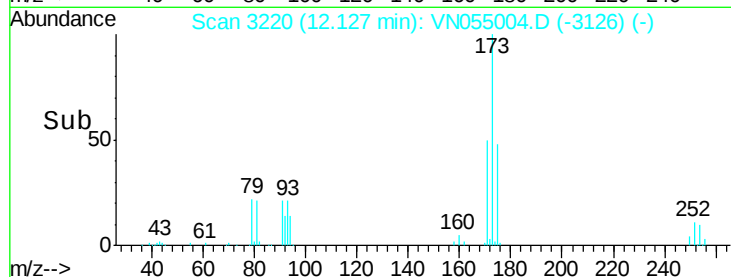
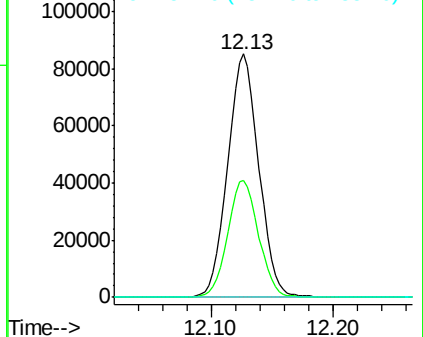
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3598

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

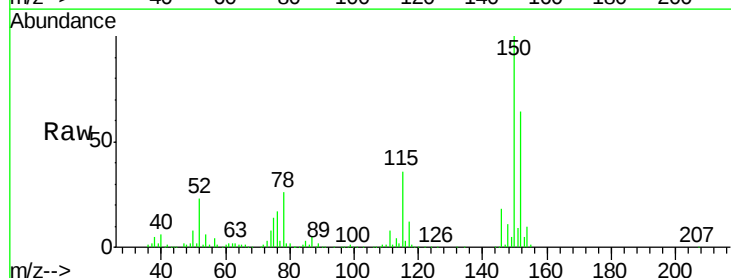
Tgt Ion:152 Resp: 279747

Ion Ratio Lower Upper

152 100

115 57.0 28.5 85.6

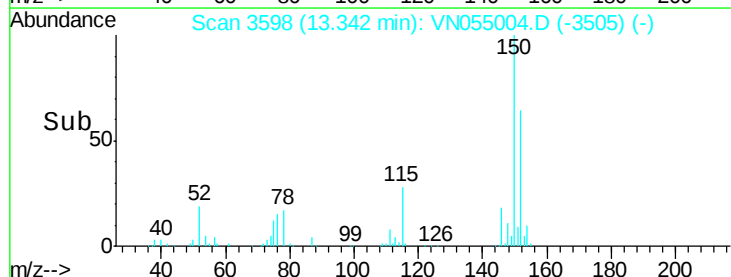
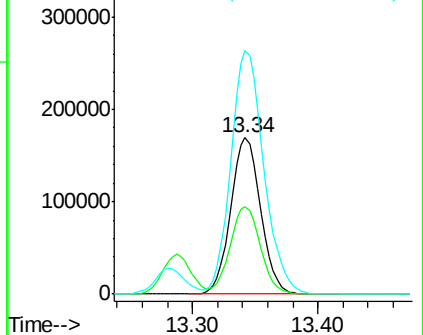
150 172.0 0.0 347.2

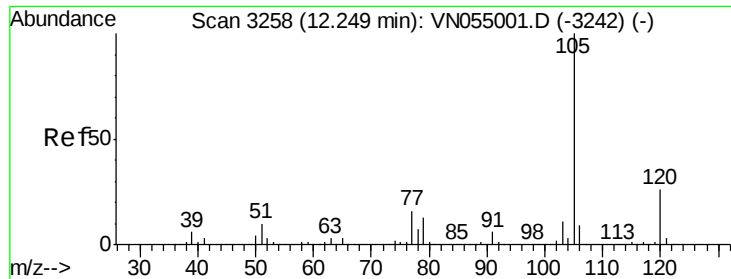


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.839 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

Tot Ion:105 Resp: 1090285

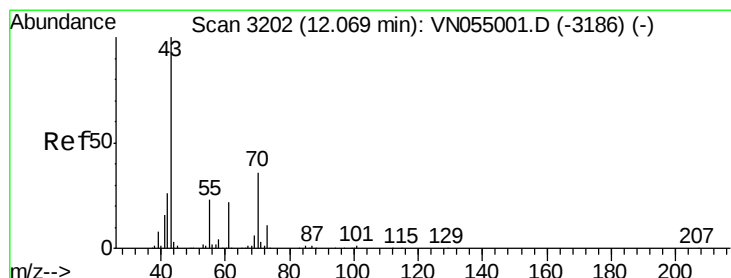
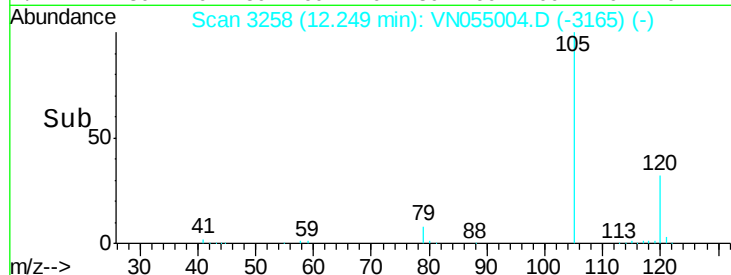
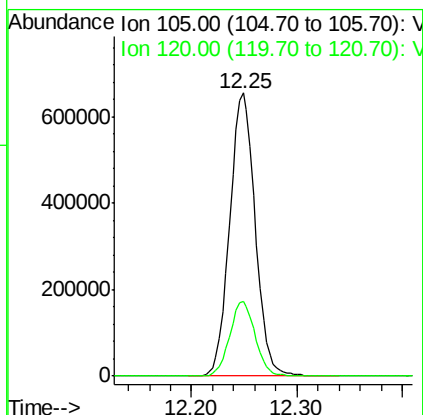
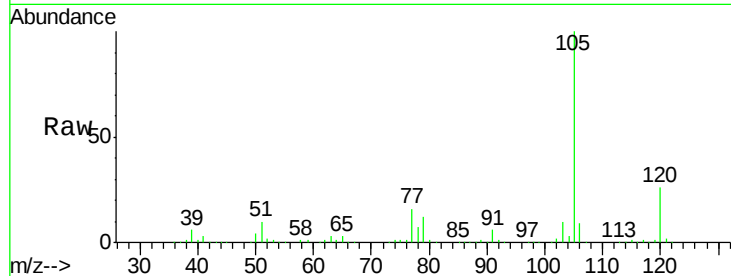
Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 53.273 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Tgt Ion: 43 Resp: 381918

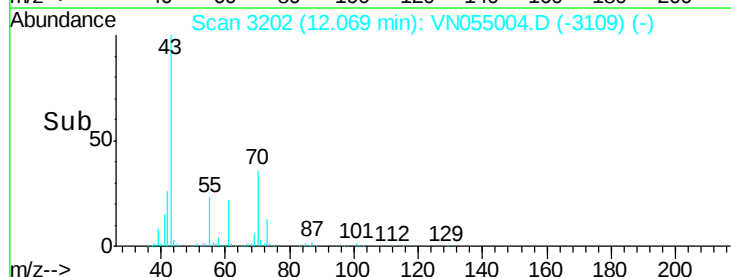
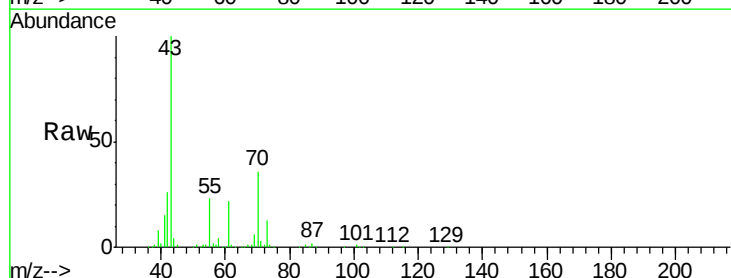
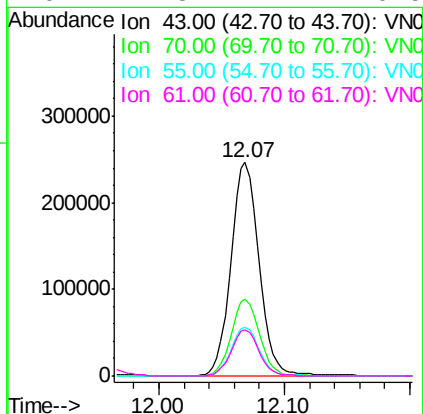
Ion Ratio Lower Upper

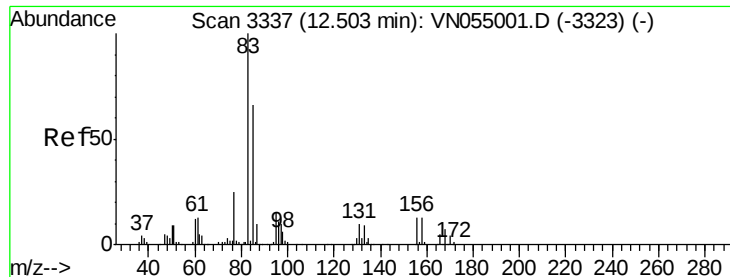
43 100

70 36.5 29.4 44.0

55 23.2 19.0 28.4

61 21.8 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.794 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

Tot Ion: 83 Resp: 288158
Ion Ratio Lower Upper

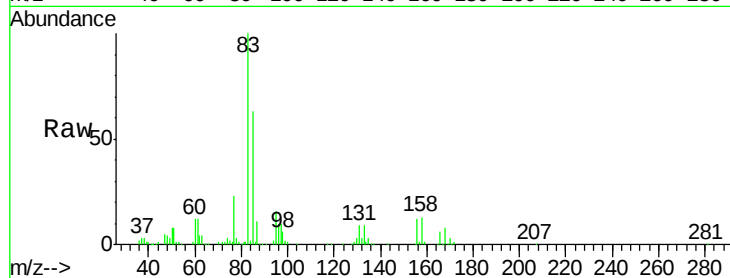
83 100

131 9.6 5.0 15.0

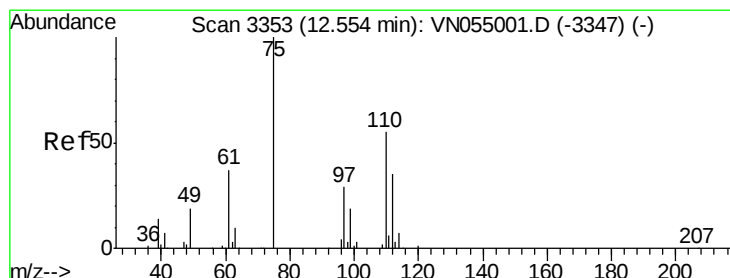
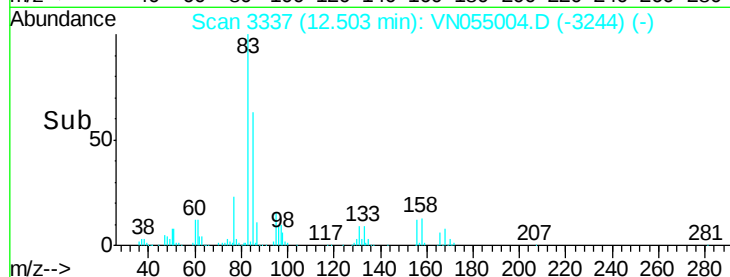
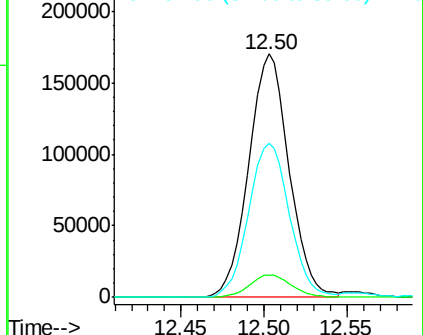
85 64.1 32.3 96.9

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



#76

1,2,3-Trichloropropane

Concen: 48.905 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

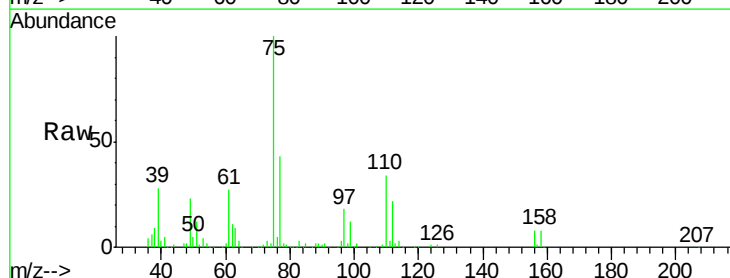
Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

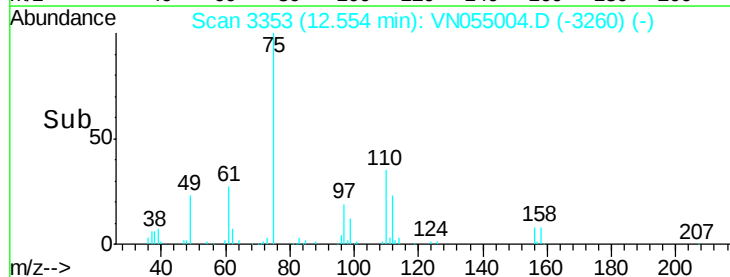
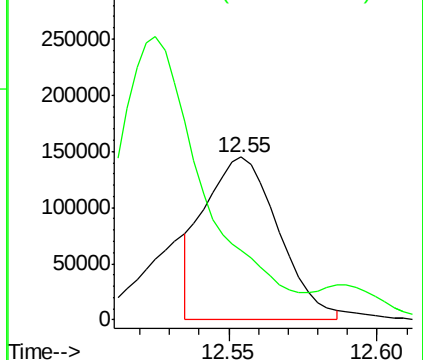
Tgt Ion: 75 Resp: 251694
Ion Ratio Lower Upper

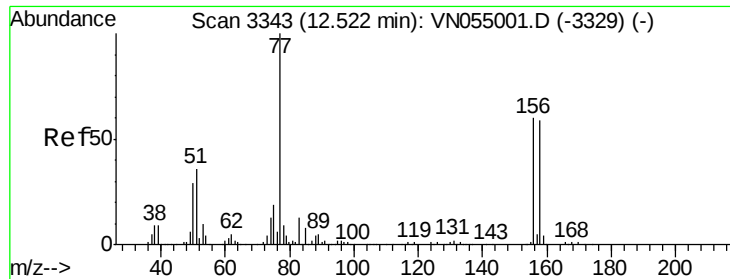
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 50.110 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

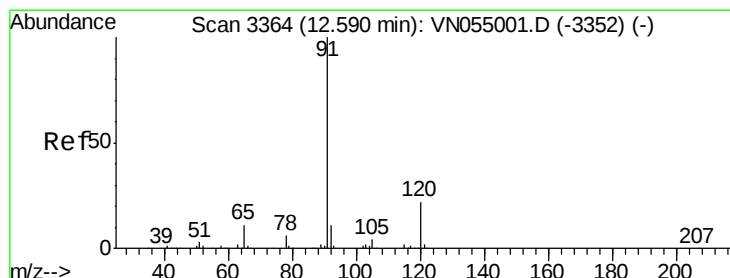
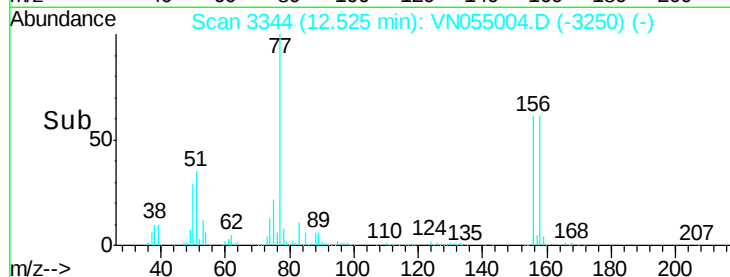
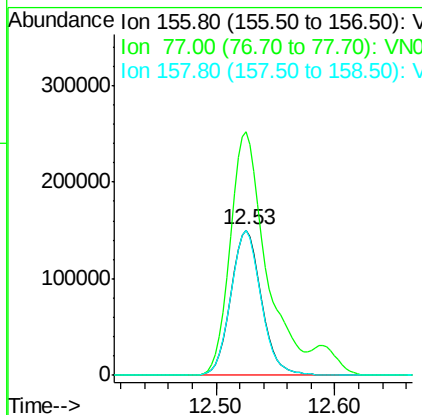
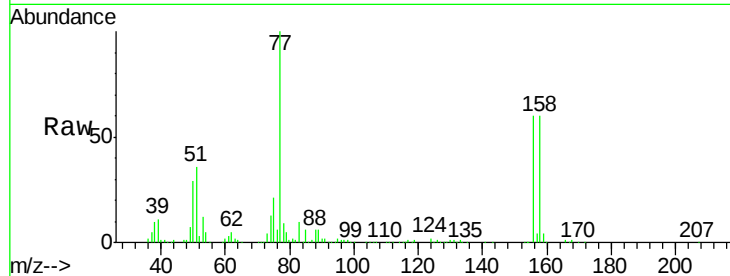
ClientSampleId :

ICVVN041319

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		267218		
77	197.0	97.2	291.5		
158	99.0	48.6	145.9		

Manual Integrations
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#78

n-propylbenzene

Concen: 47.163 ug/l

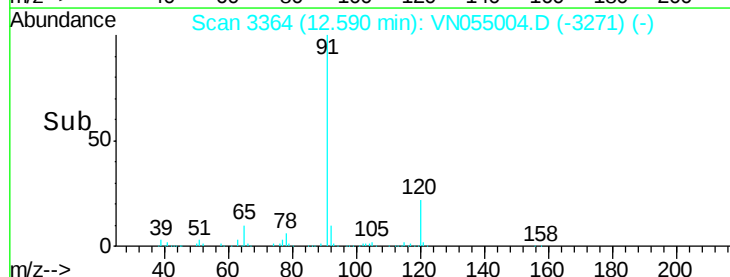
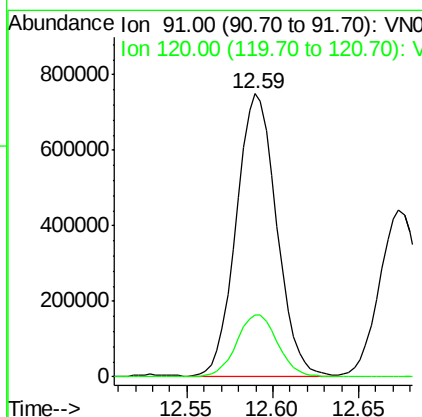
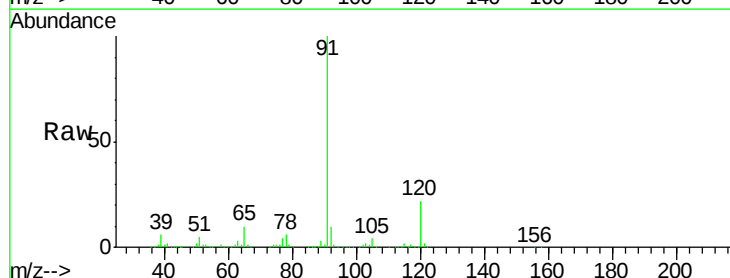
RT: 12.59 min Scan# 3364

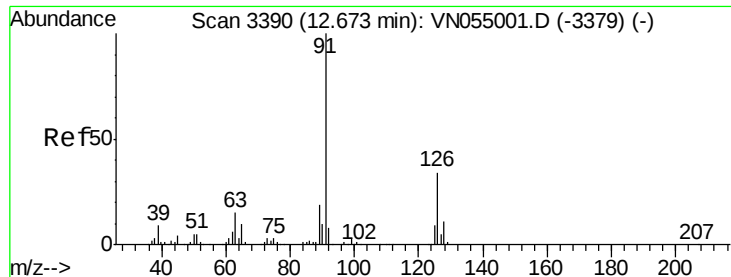
Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1222166		
120	22.4	11.2	33.5		





#79

2-Chlorotoluene

Concen: 45.960 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampled :

ICV041319

Tot Ion: 91 Resp: 735754

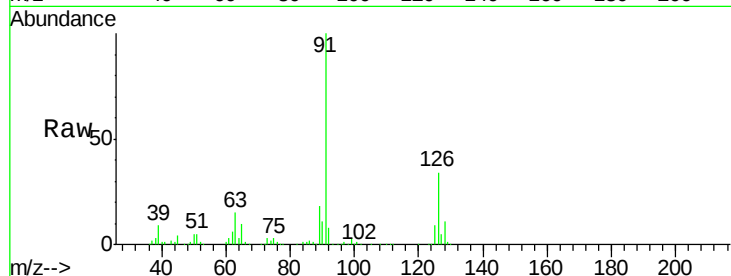
Ion Ratio Lower Upper

91 100

126 35.0 17.1 51.2

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN055004.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN055004.D (-3390) (-)

12.67

400000

300000

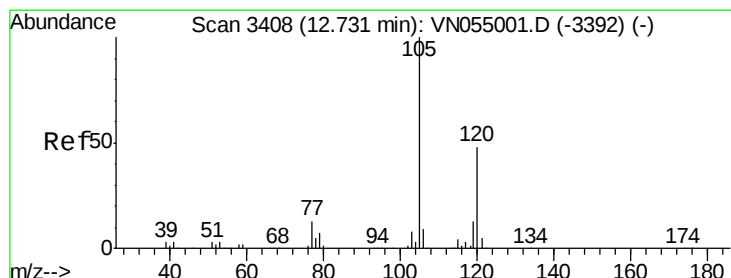
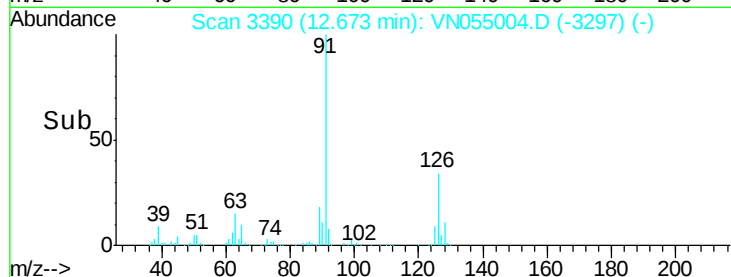
200000

100000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.548 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055004.D

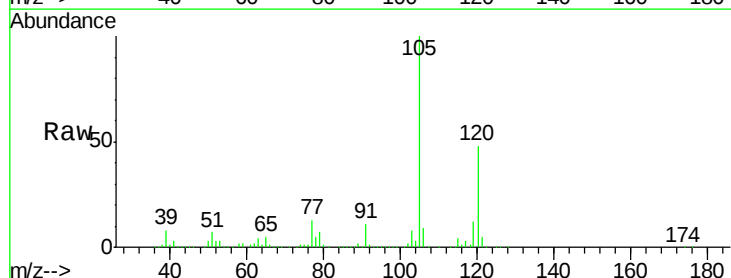
Acq: 12 Apr 2019 17:25

Tgt Ion: 105 Resp: 901291

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055004.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN055004.D (-3408) (-)

12.73

600000

500000

400000

300000

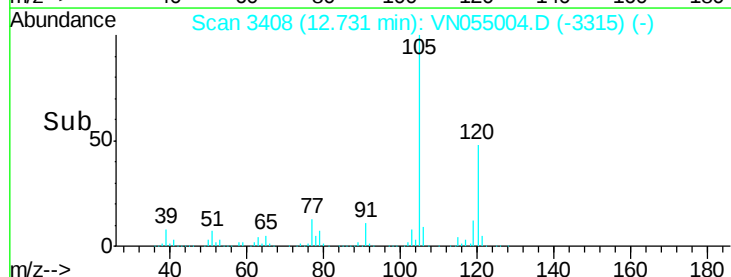
200000

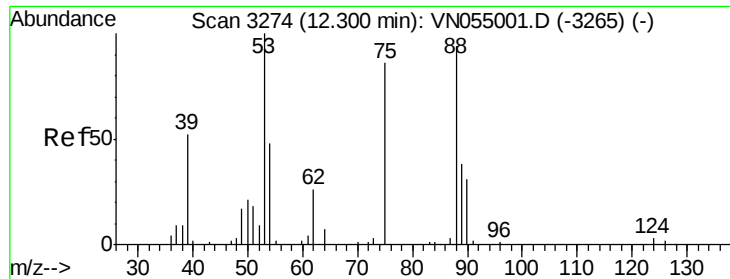
100000

0

12.65 12.70 12.75 12.80

Time-->





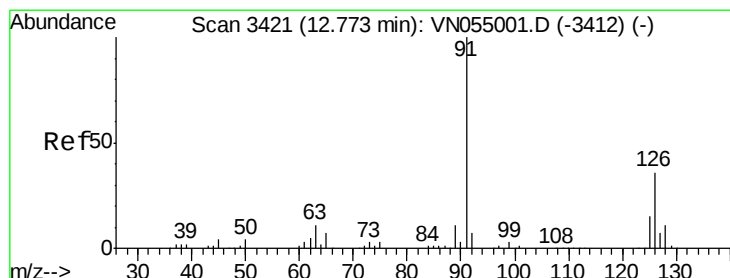
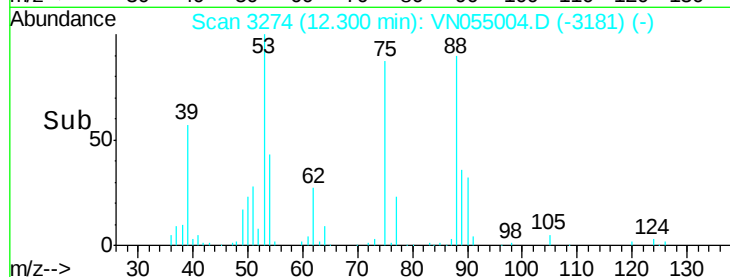
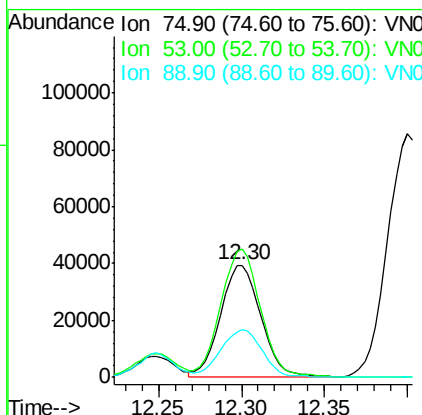
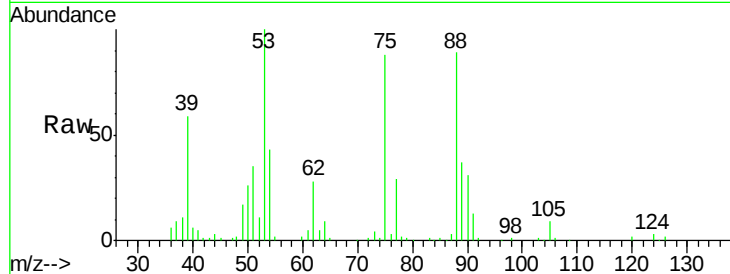
#81
trans-1,4-Dichloro-2-butene
Concen: 52.900 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampled :
ICVVN041319

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.7	96.3	144.5
89	44.4	38.6	57.8

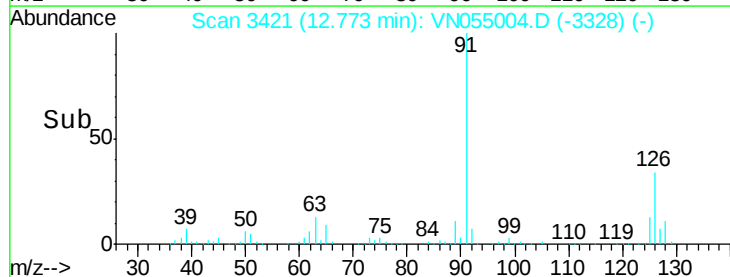
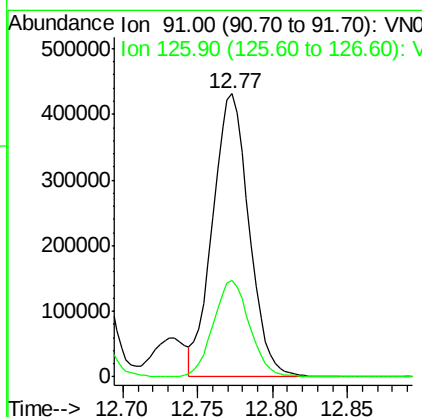
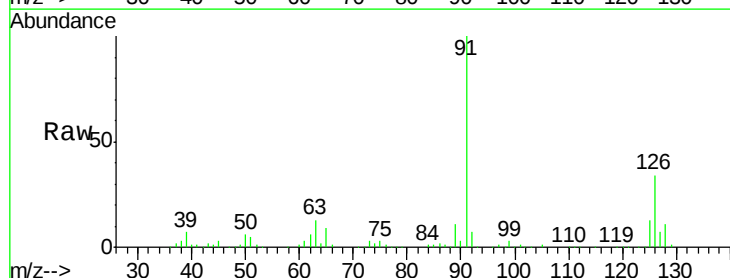
Manual Integrations
APPROVED

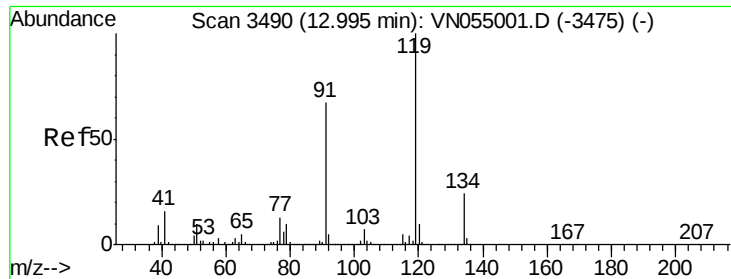
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.128 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.4	49.2





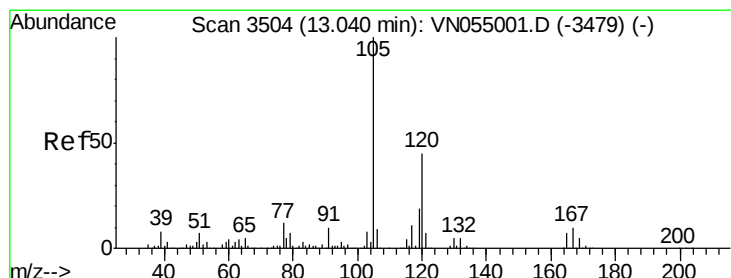
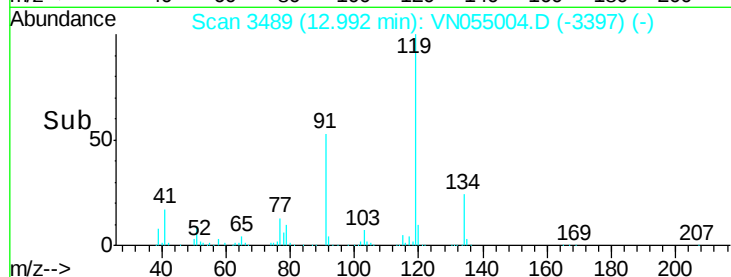
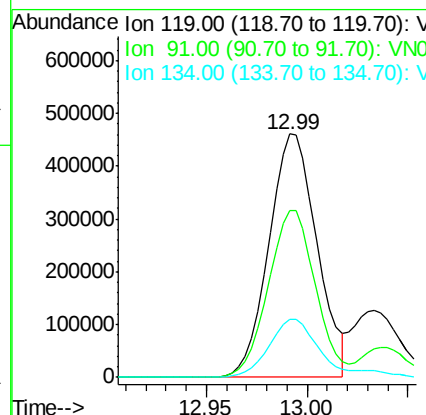
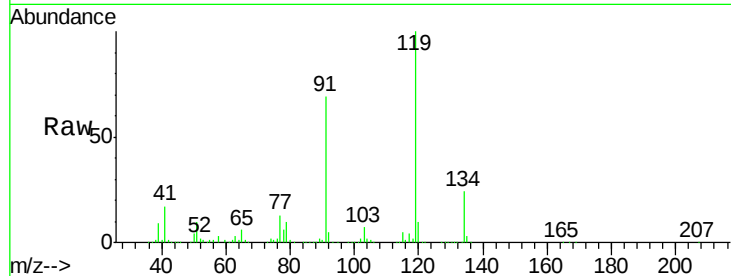
#83
tert-Butylbenzene
Concen: 46.042 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.3	99.8
134	26.1	12.3	36.9

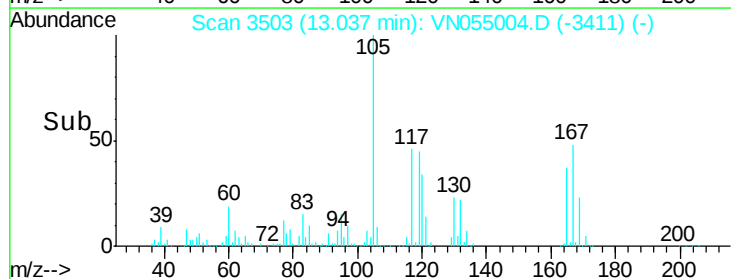
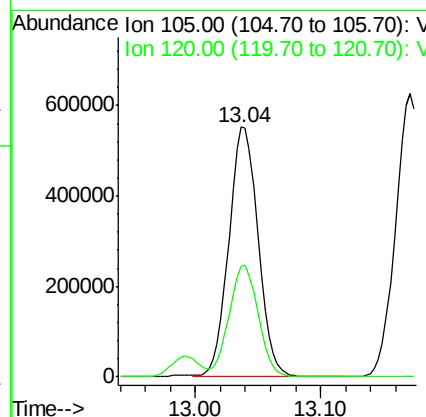
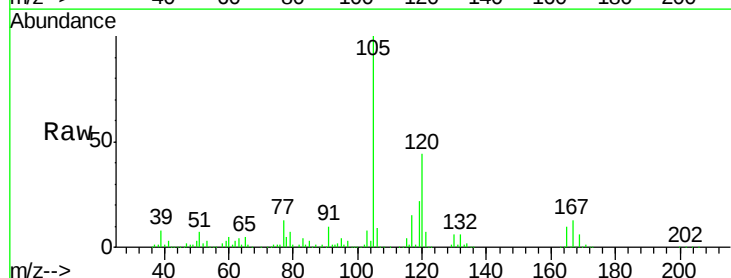
Manual Integrations
APPROVED

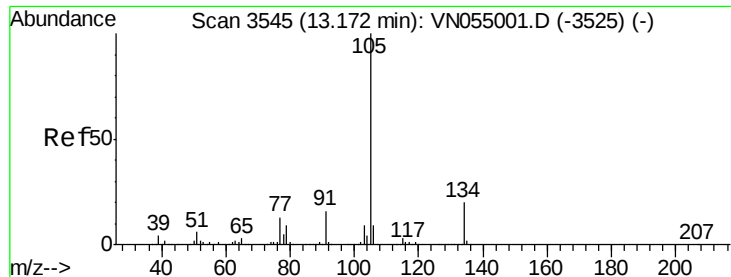
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#84
1,2,4-Trimethylbenzene
Concen: 48.173 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.3





#85

sec-Butylbenzene

Concen: 47.539 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

Tot Ion:105 Resp: 1006822

Ion Ratio Lower Upper

105 100

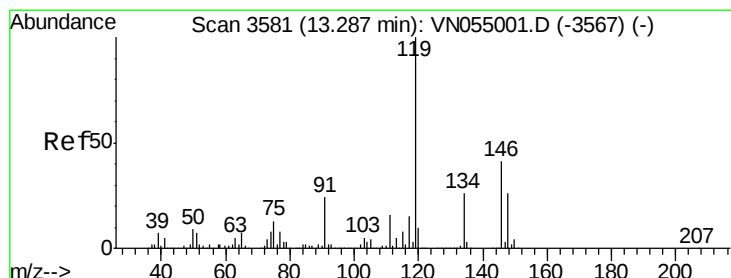
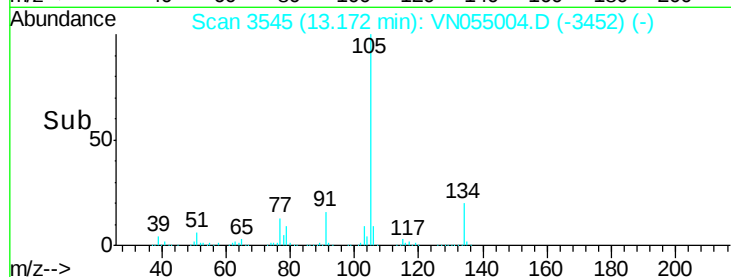
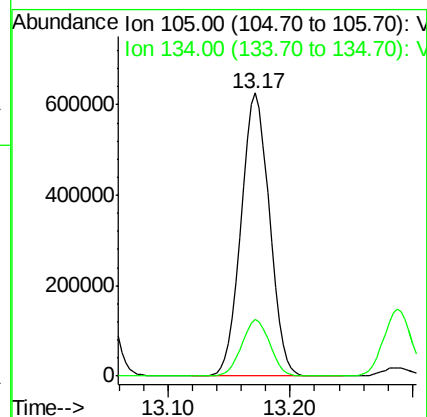
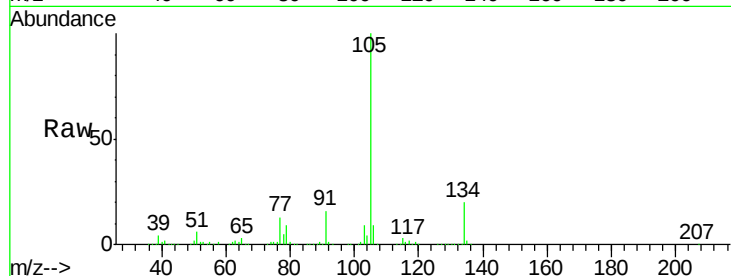
134 19.9 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.207 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

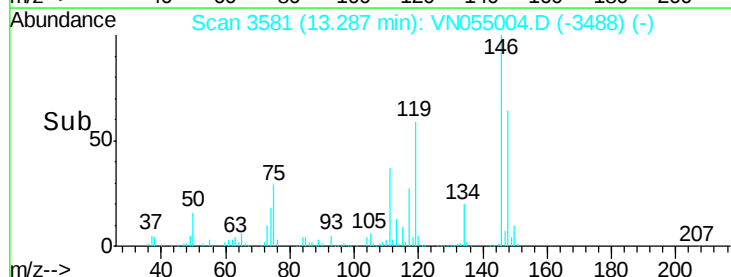
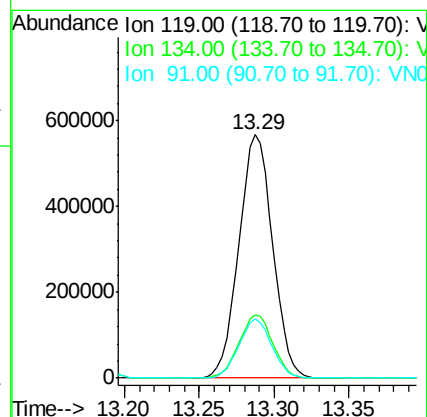
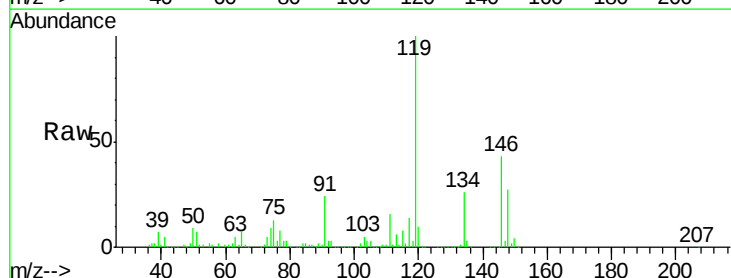
Tgt Ion:119 Resp: 888069

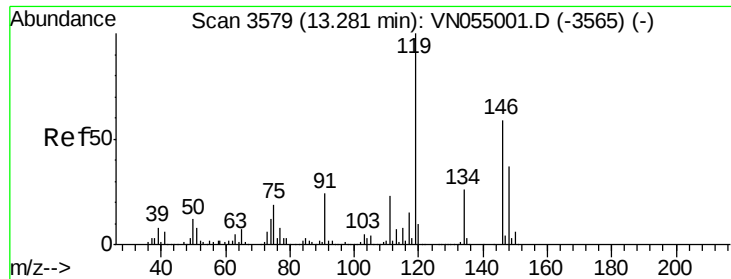
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 23.7 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 48.150 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

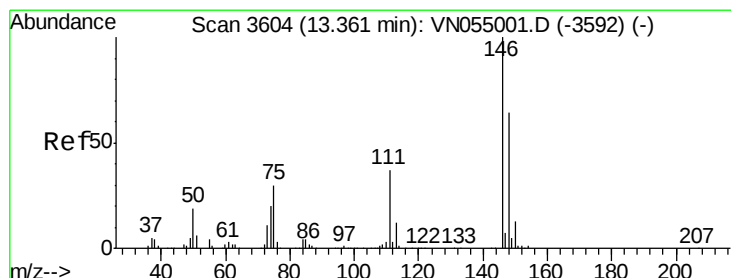
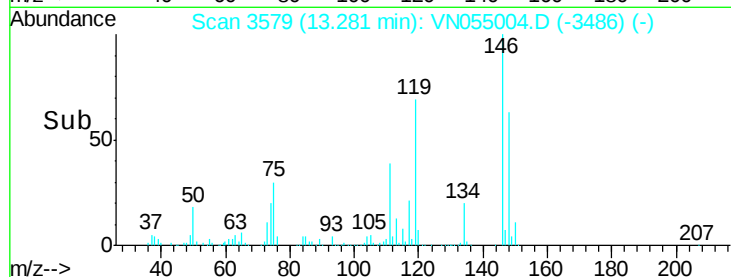
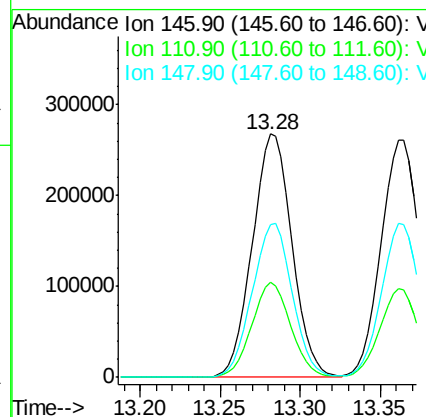
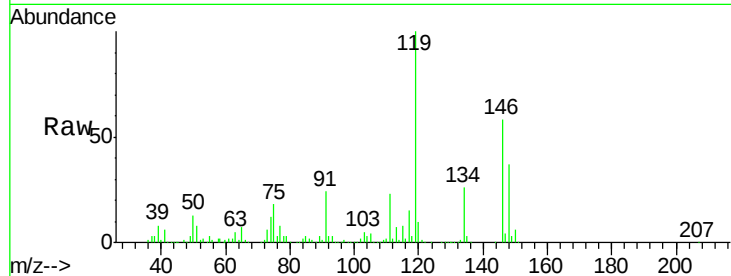
ClientSampleId :

ICVVN041319

Tot Ion:	146	Resp:	457520
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.5	58.5
148	63.6	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.009 ug/l

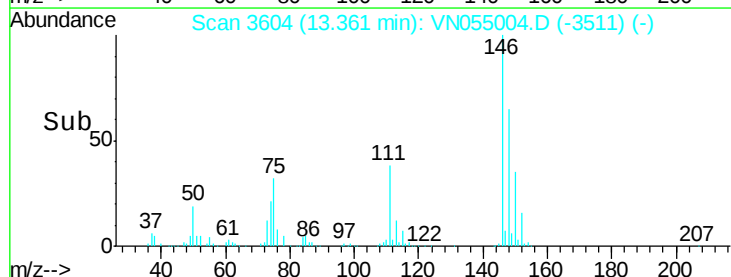
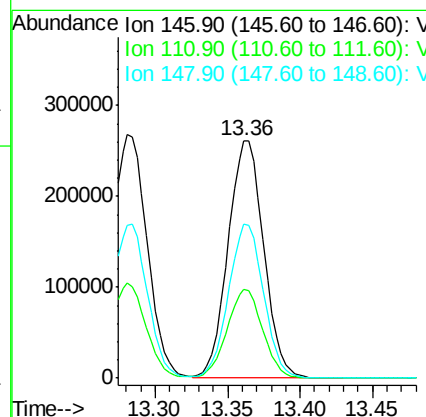
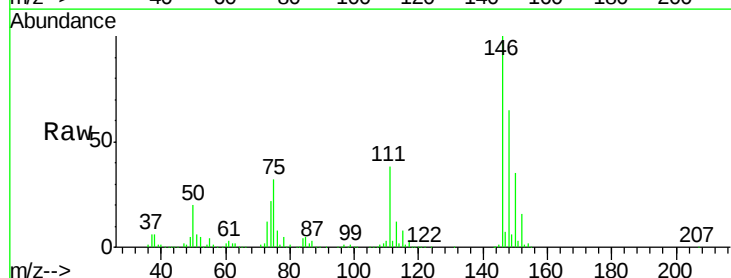
RT: 13.36 min Scan# 3604

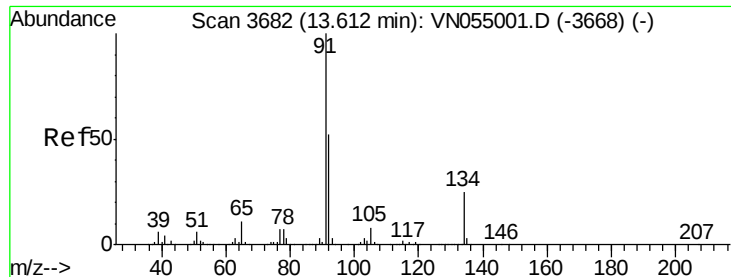
Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Tgt Ion:	146	Resp:	445385
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.8	56.4
148	63.9	32.4	97.2





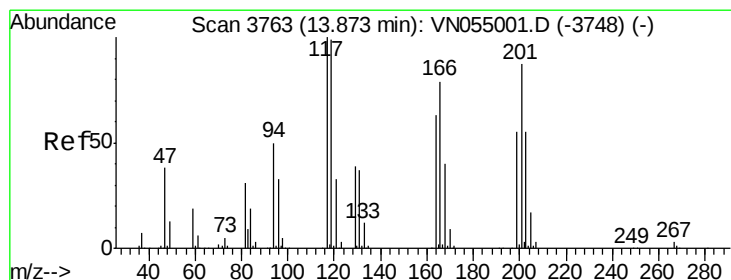
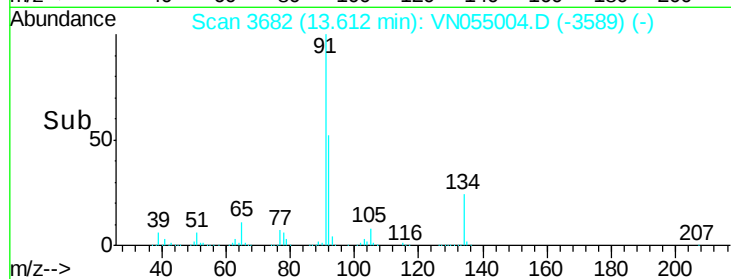
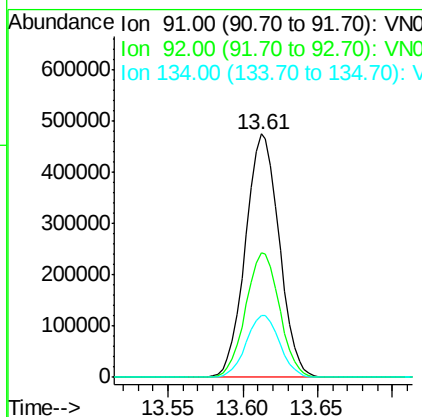
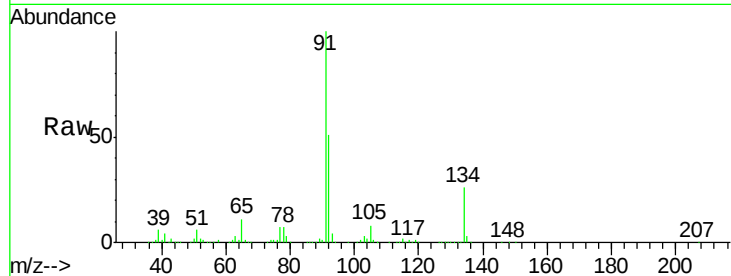
#89
n-Butylbenzene
Concen: 51.506 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.7
134	25.3	12.8	38.3

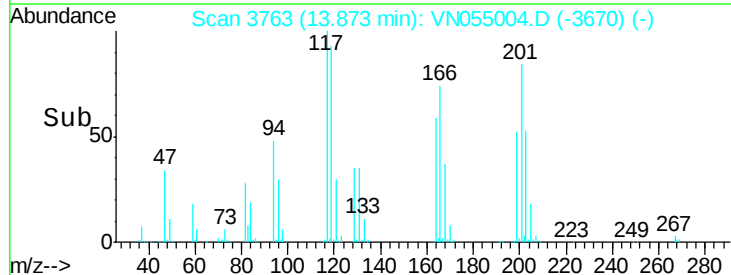
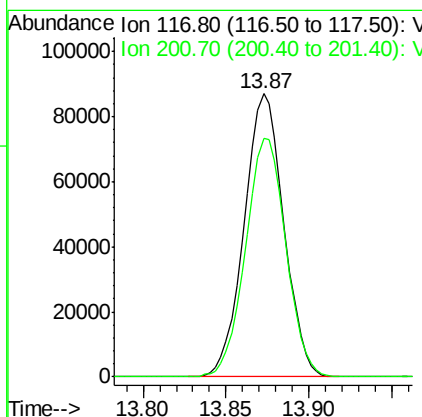
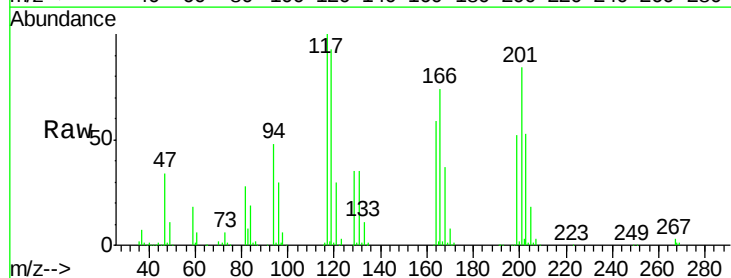
Manual Integrations
APPROVED

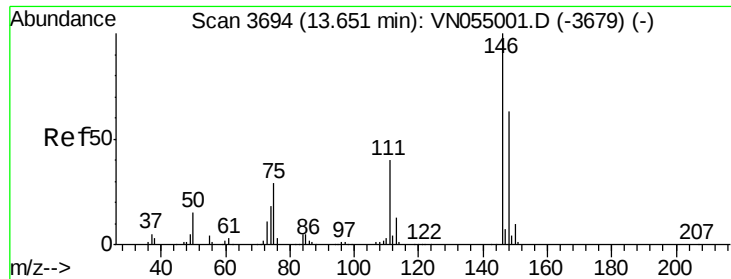
MMDadoda
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#90
Hexachloroethane
Concen: 47.338 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.0	43.4	130.2





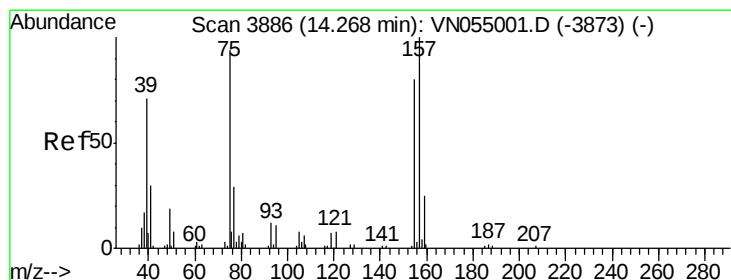
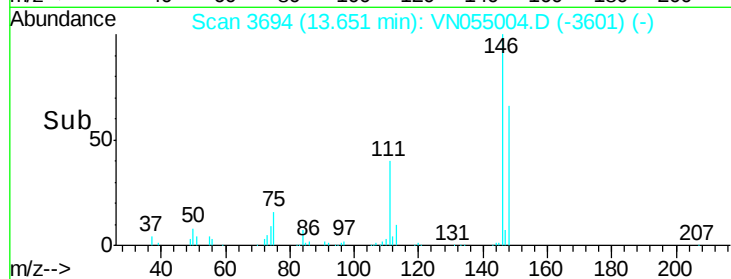
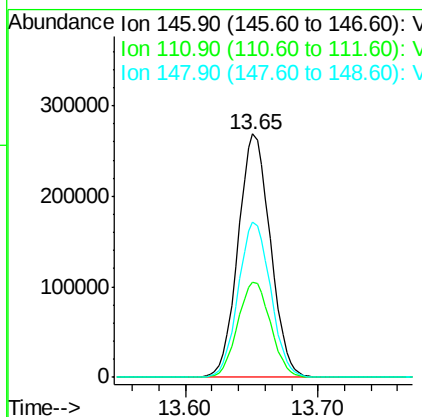
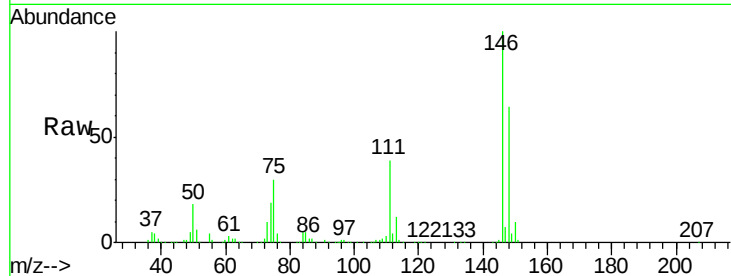
#91
 1,2-Dichlorobenzene
 Concen: 49.204 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.9
148	64.1	32.2	96.6

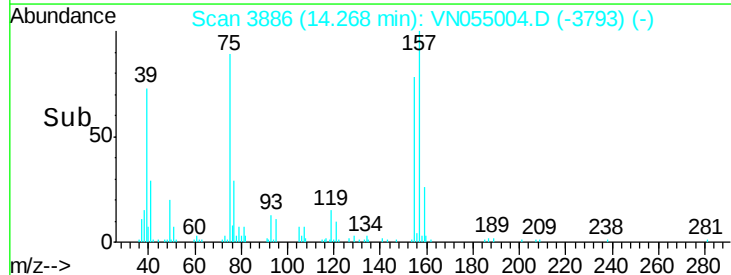
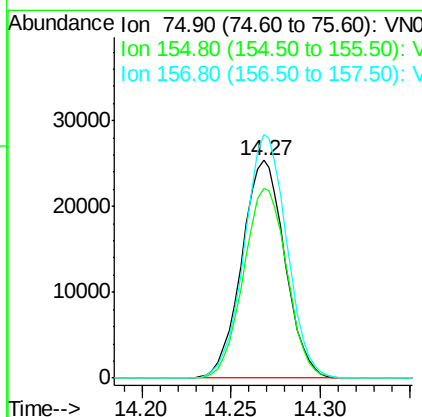
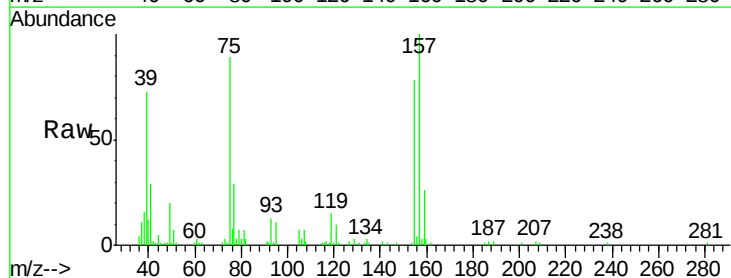
Manual Integrations
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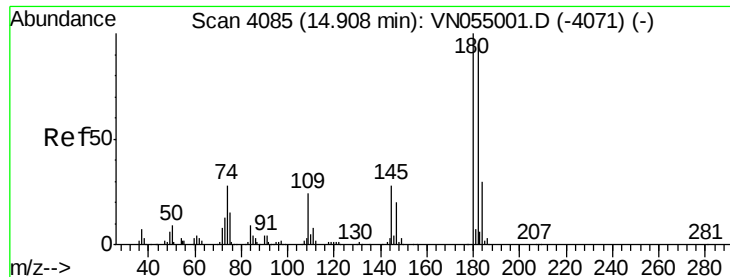
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.433 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	42.0	126.0
157	110.4	52.1	156.4





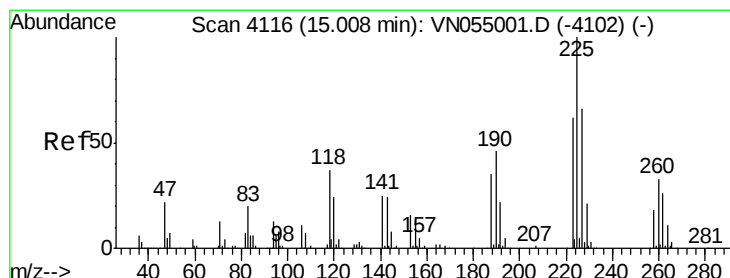
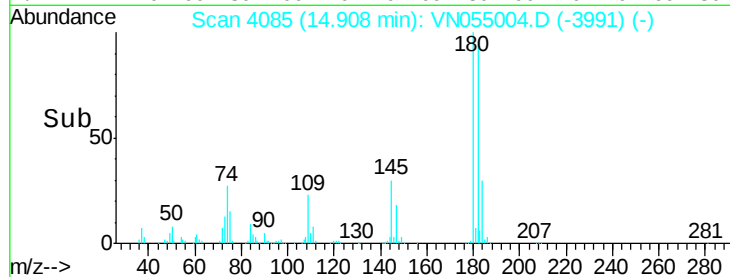
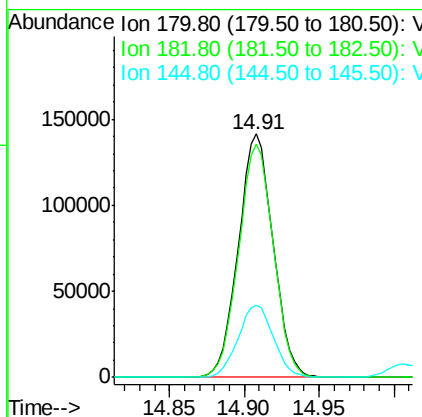
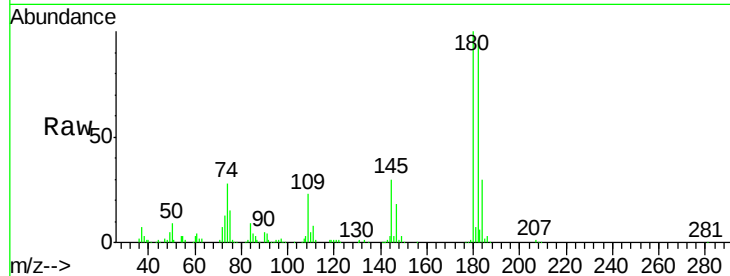
#93
 1,2,4-Trichlorobenzene
 Concen: 49.814 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

Tot Ion	Ratio	Resp	Lower	Upper
180	100	228150		
182	96.1	47.5	142.6	
145	30.3	14.2	42.8	

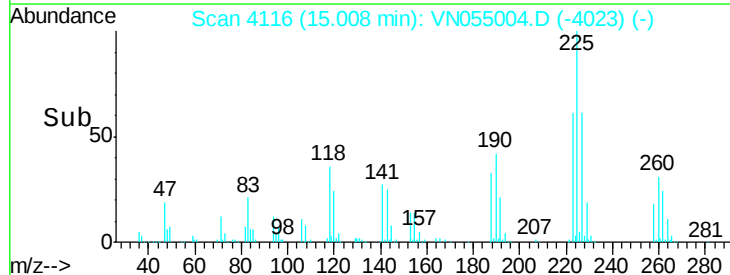
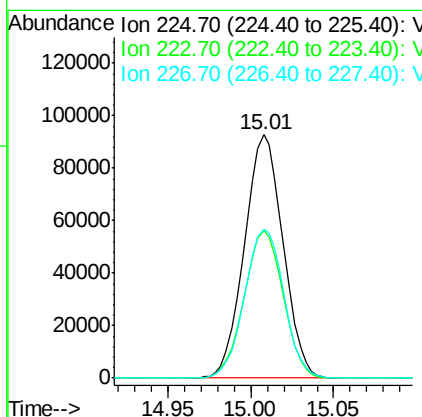
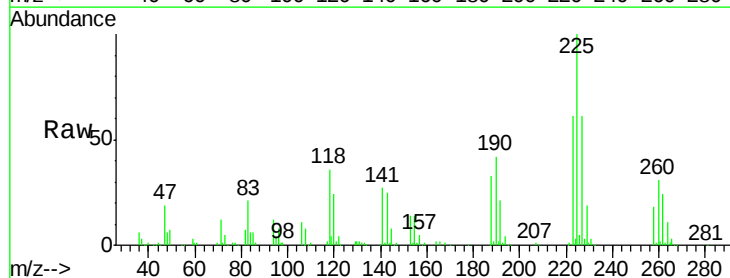
Manual Integrations
 APPROVED

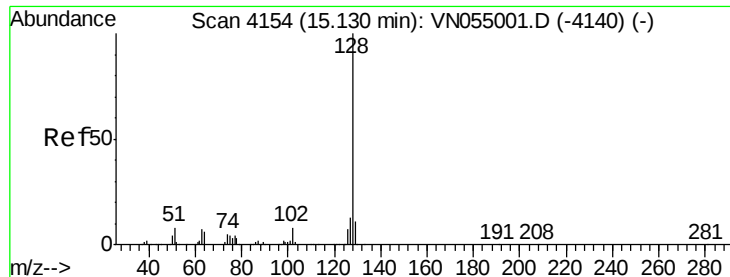
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#94
 Hexachlorobutadiene
 Concen: 54.884 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150314		
223	61.3	31.4	94.0	
227	62.3	32.6	97.7	





#95

Naphthalene

Concen: 49.988 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

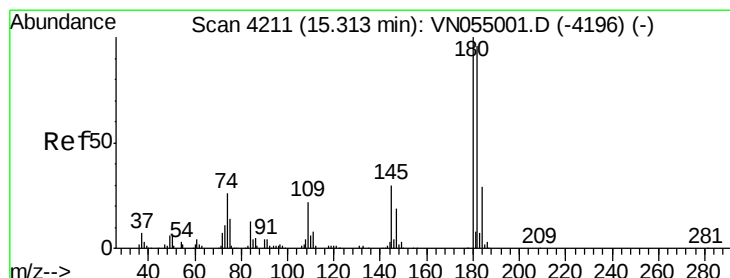
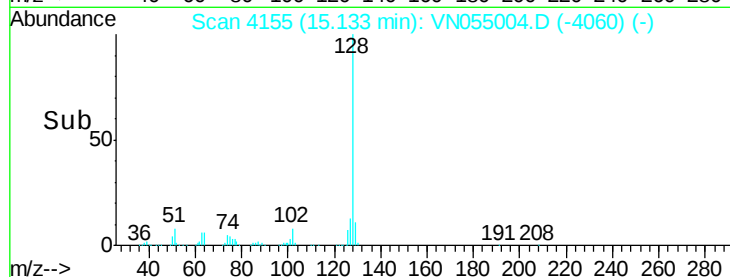
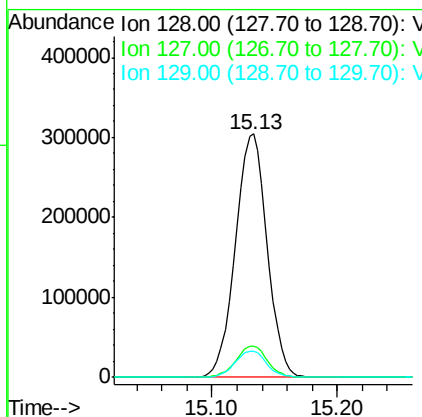
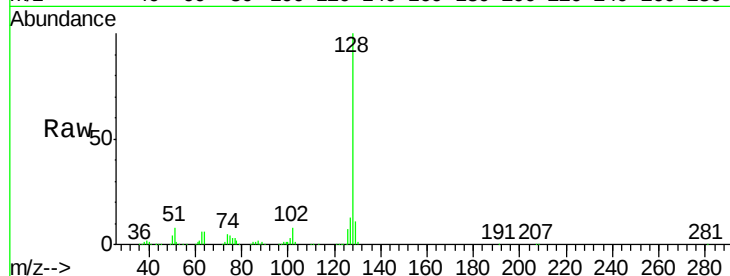
ClientSampleId :

ICVVN041319

Tot Ion:	128	Resp:	534392
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.8	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 55.852 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Tgt Ion:	180	Resp:	232402
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.0	144.0
145	31.0	15.3	45.9

