

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
 Data File : VN055096.D
 Acq On : 17 Apr 2019 10:53
 Operator : JC/SP
 Sample : VN0417WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 12:21:23 PM

Quant Time: Apr 18 08:28:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	382357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	627067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	545982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	215919	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	253192	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	7.59	113	209298	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.09	98	764050	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	249462	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	86329	19.867	ug/l	97
3) Chloromethane	2.06	50	111010	19.587	ug/l	98
4) Vinyl Chloride	2.19	62	92742	19.468	ug/l	99
5) Bromomethane	2.56	94	53205	19.742	ug/l	98
6) Chloroethane	2.71	64	51613	20.091	ug/l	97
7) Trichlorofluoromethane	3.02	101	118759	19.934	ug/l	100
8) Diethyl Ether	3.41	74	37520	19.729	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	62144	19.932	ug/l	99
10) Methyl Iodide	3.94	142	88822	18.358	ug/l	100
11) Tert butyl alcohol	4.82	59	28660	102.876	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	57762	19.033	ug/l	100
13) Acrolein	3.61	56	27042	78.530	ug/l	98
14) Allyl chloride	4.31	41	149852	20.173	ug/l	99
15) Acrylonitrile	5.00	53	166905	100.135	ug/l	99
16) Acetone	3.82	43	131591	95.392	ug/l	100
17) Carbon Disulfide	4.04	76	175004	17.864	ug/l	99
18) Methyl Acetate	4.33	43	82032	20.374	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	220756	20.335	ug/l	98
20) Methylene Chloride	4.54	84	93279	19.235	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	81014	19.738	ug/l	99
22) Diisopropyl ether	5.96	45	312778	20.482	ug/l	98
23) Vinyl Acetate	5.90	43	1049538	103.978	ug/l	98
24) 1,1-Dichloroethane	5.85	63	166291	20.449	ug/l	97
25) 2-Butanone	6.85	43	204600	99.376	ug/l	97
26) 2,2-Dichloropropane	6.82	77	109617	21.357	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	95042	20.467	ug/l	98
28) Bromochloromethane	7.19	49	76183	19.434	ug/l	96
29) Tetrahydrofuran	7.22	42	132837	98.388	ug/l	99
30) Chloroform	7.37	83	159423	20.183	ug/l	99
31) Cyclohexane	7.65	56	148858	19.954	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	125889	20.116	ug/l	99
36) 1,1-Dichloropropene	7.79	75	112781	19.079	ug/l	99
37) Ethyl Acetate	6.94	43	87335	18.148	ug/l	99
38) Carbon Tetrachloride	7.77	117	104667	18.611	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124244	19.396	ug/l	99
40) Benzene	8.04	78	358461	20.120	ug/l	99
41) Methacrylonitrile	7.17	41	54008	20.217	ug/l	97
42) 1,2-Dichloroethane	8.12	62	123998	20.046	ug/l	100
43) Isopropyl Acetate	8.17	43	143189	19.310	ug/l	99
44) Trichloroethene	8.83	130	90341	20.245	ug/l	98
45) 1,2-Dichloropropane	9.12	63	103669	20.865	ug/l	96
46) Dibromomethane	9.21	93	59547	21.056	ug/l	97
47) Bromodichloromethane	9.40	83	115909	19.879	ug/l	99
48) Methyl methacrylate	9.20	41	72620	19.758	ug/l	96
49) 1,4-Dioxane	9.21	88	16232	471.384	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	420978	98.267	ug/l	99
52) Toluene	10.16	92	210512	20.631	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	101607	19.940	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	129018	20.401	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	79862	20.314	ug/l	98
56) Ethyl methacrylate	10.43	69	93268	19.768	ug/l	99
57) 1,3-Dichloropropane	10.71	76	134751	20.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	173936	91.067	ug/l	100
59) 2-Hexanone	10.75	43	261468	97.172	ug/l	98
60) Dibromochloromethane	10.90	129	79004	20.580	ug/l	99
61) 1,2-Dibromoethane	11.00	107	71489	19.757	ug/l	100
64) Tetrachloroethene	10.63	164	83292	18.761	ug/l	94
65) Chlorobenzene	11.43	112	219312	19.955	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	81805	20.238	ug/l	99
67) Ethyl Benzene	11.51	91	391972	19.972	ug/l	99
68) m/p-Xylenes	11.62	106	291149	40.967	ug/l	99
69) o-Xylene	11.95	106	140795	20.454	ug/l	99
70) Styrene	11.96	104	230668	20.702	ug/l	99
71) Bromoform	12.13	173	47001	20.286	ug/l #	98
73) Isopropylbenzene	12.25	105	374816	19.562	ug/l	100
74) N-amyl acetate	12.07	43	108297	20.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	96650	18.852	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	83160m	21.418	ug/l	
77) Bromobenzene	12.52	156	90496	18.945	ug/l	98
78) n-propylbenzene	12.59	91	411652	19.886	ug/l	100
79) 2-Chlorotoluene	12.67	91	255433	19.783	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	307901	19.913	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18548	19.103	ug/l	93
82) 4-Chlorotoluene	12.77	91	239998	19.923	ug/l	100
83) tert-Butylbenzene	12.99	119	262557	20.107	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	297707	20.317	ug/l	99
85) sec-Butylbenzene	13.17	105	336626	20.231	ug/l	99
86) p-Isopropyltoluene	13.29	119	288991	20.244	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	146860	20.227	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	138722	20.036	ug/l	99
89) n-Butylbenzene	13.61	91	216201	20.402	ug/l	99
90) Hexachloroethane	13.87	117	45908	19.765	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	146910	20.111	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11886	18.827	ug/l	99

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0417WBS01

Manual Integrations
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Quant Time: Apr 18 08:28:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53307	17.913	ug/l	99
94) Hexachlorobutadiene	15.01	225	49458	21.920	ug/l	96
95) Naphthalene	15.13	128	112222	16.674	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	54772	19.436	ug/l	97

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

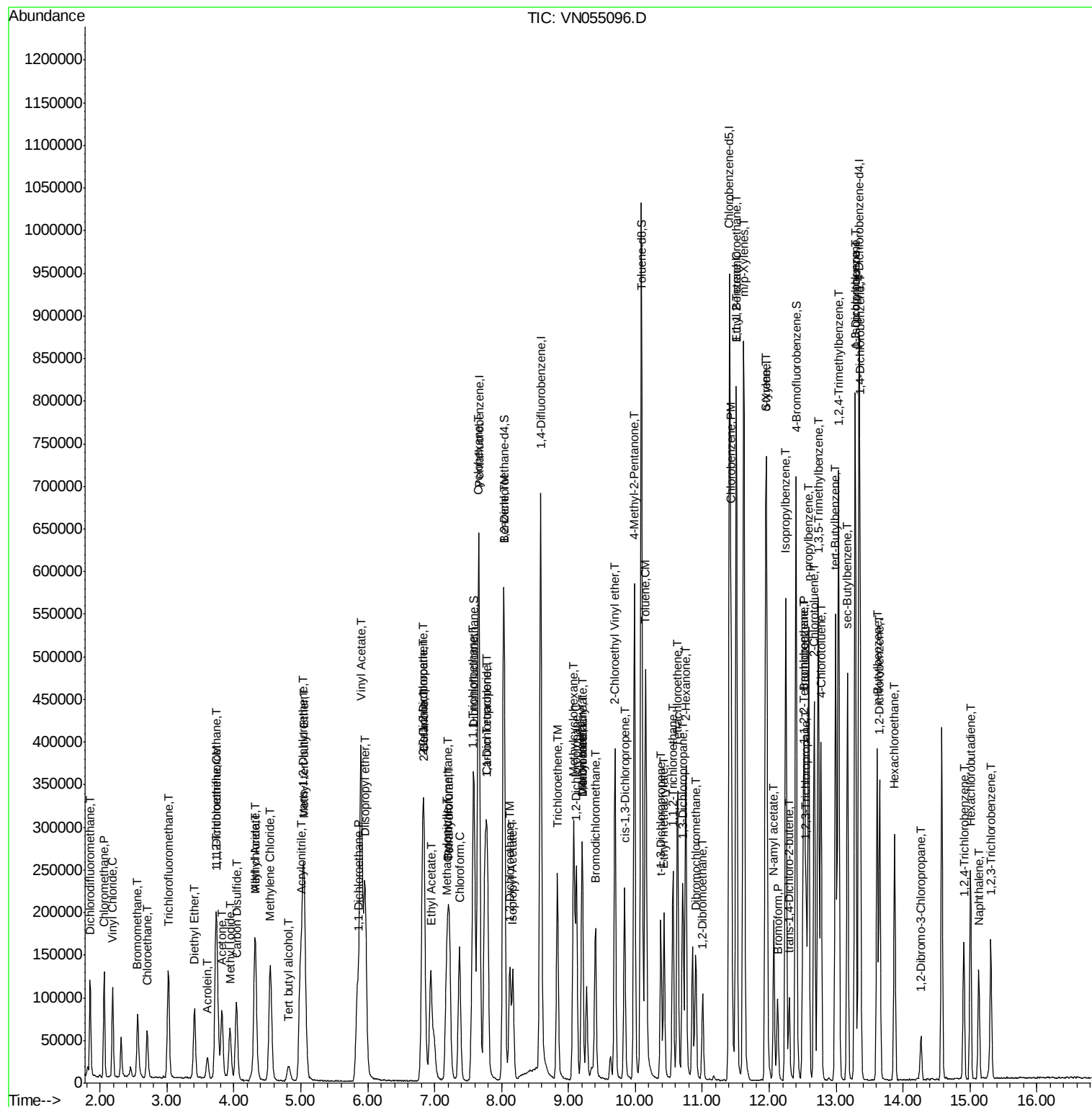
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 Data File : VN055096.D
 Acq On : 17 Apr 2019 10:53
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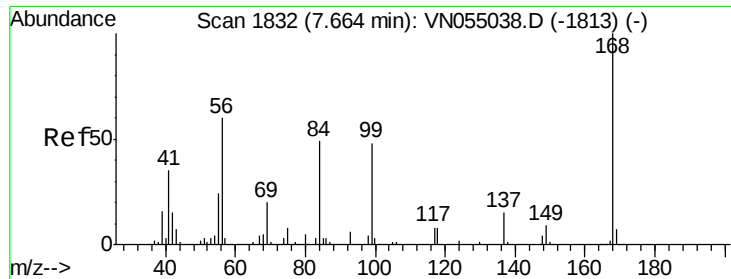
Instrument :
 MSVOA_N
 Client Sampled :
 VN0417WBS01

Manual Integrations
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion:168 Resp: 382357

Ion Ratio Lower Upper

168 100

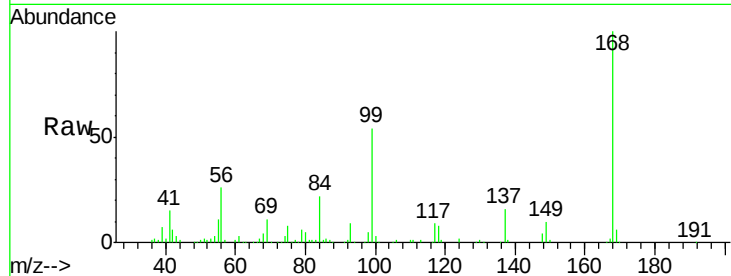
99 53.3 41.9 62.9

Manual Integrations

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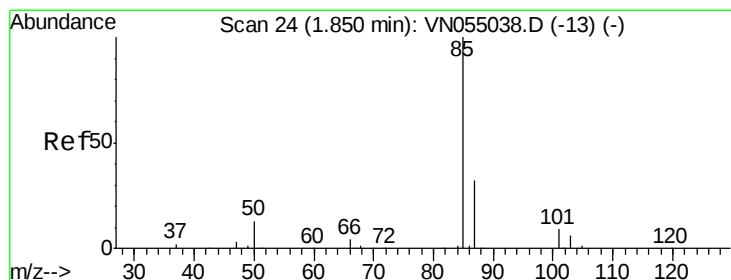
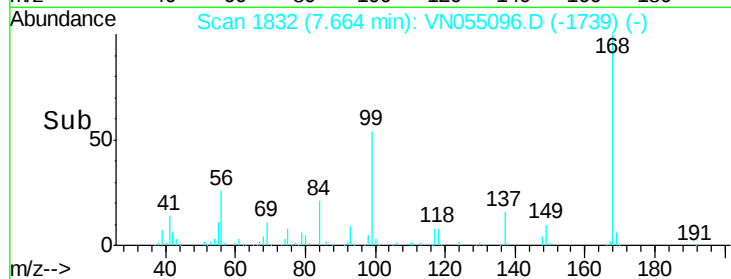
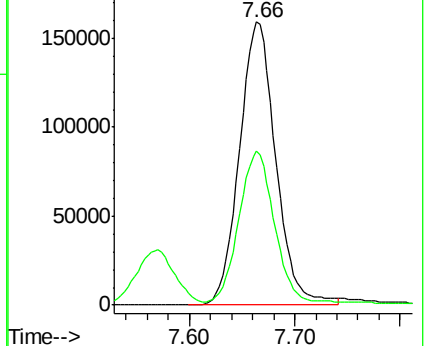
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.867 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055096.D

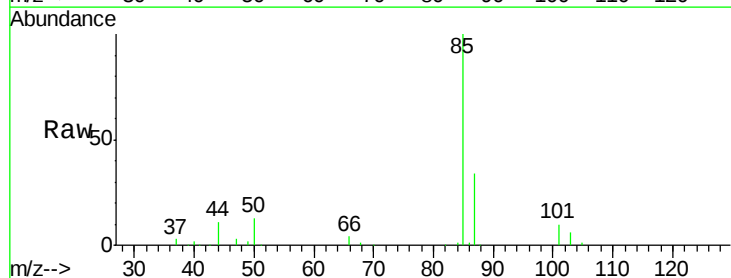
Acq: 17 Apr 2019 10:53

Tgt Ion: 85 Resp: 86329

Ion Ratio Lower Upper

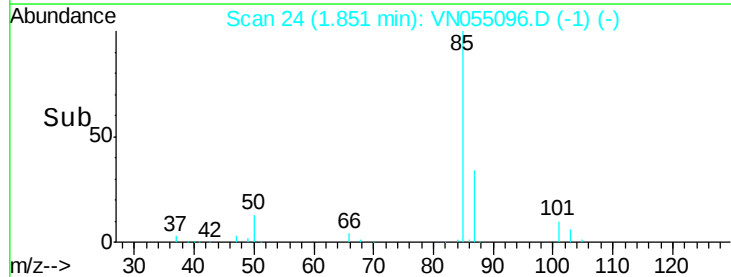
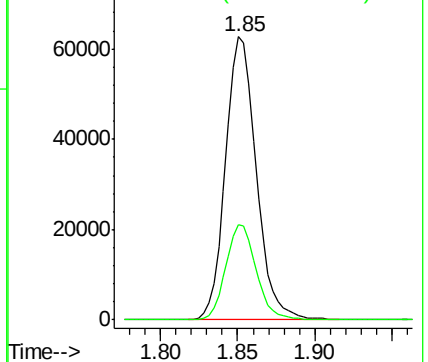
85 100

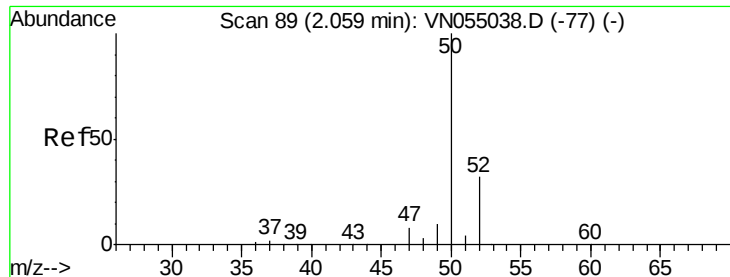
87 33.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.587 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion: 50 Resp: 111010

Ion Ratio Lower Upper

50 100

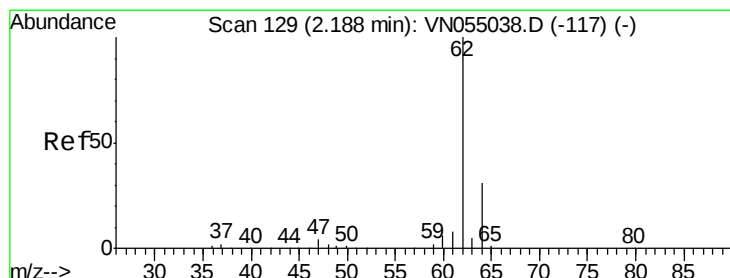
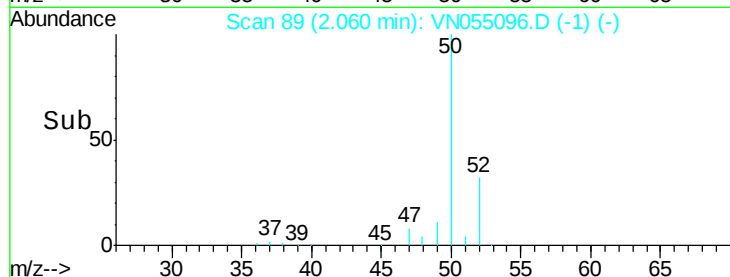
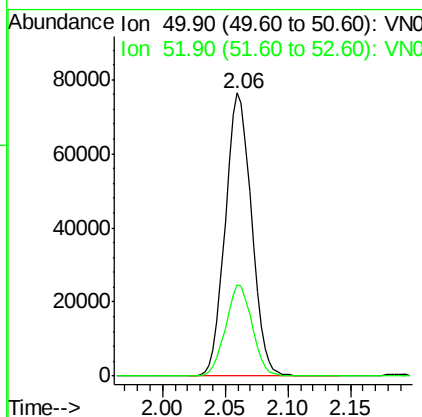
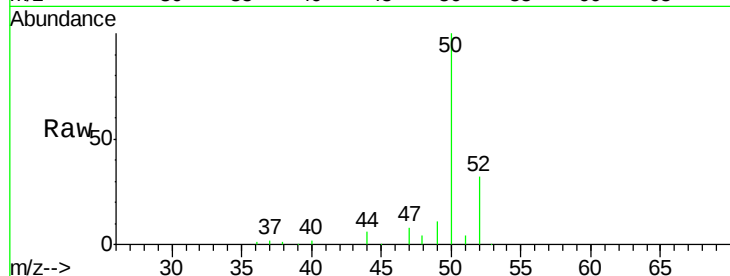
52 32.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.468 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055096.D

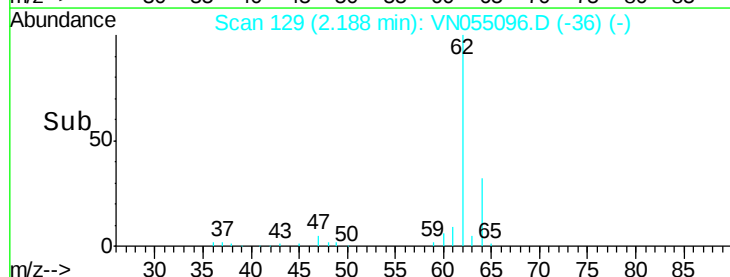
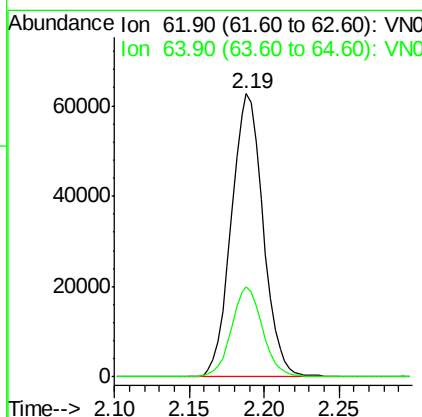
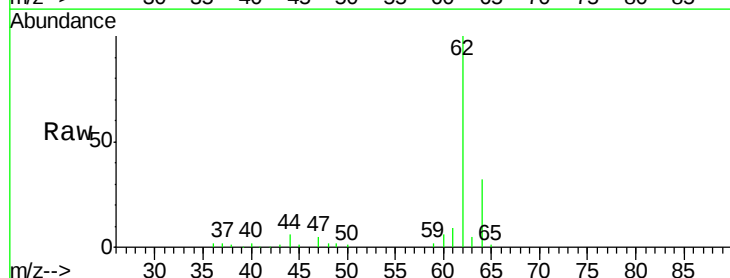
Acq: 17 Apr 2019 10:53

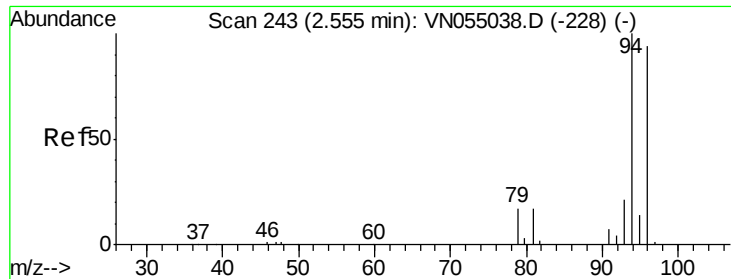
Tgt Ion: 62 Resp: 92742

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.6





#5

Bromomethane

Concen: 19.742 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.01 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

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ClientSampleId :

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Tot Ion: 94 Resp: 53205

Ion Ratio Lower Upper

94 100

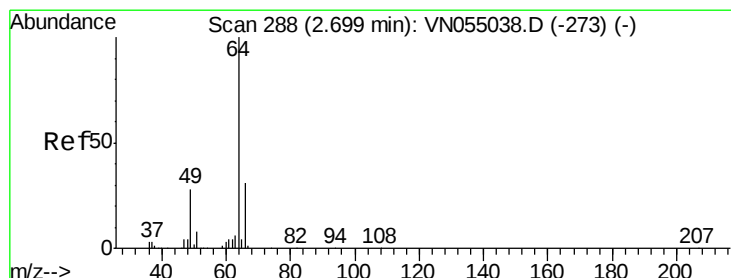
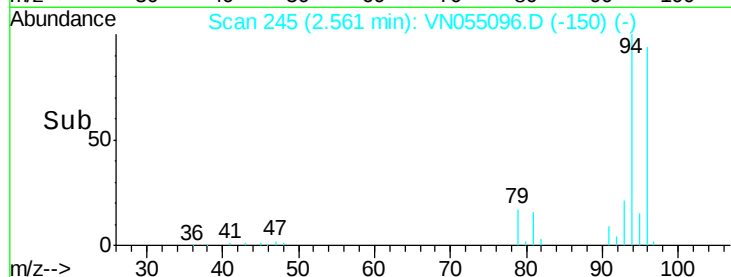
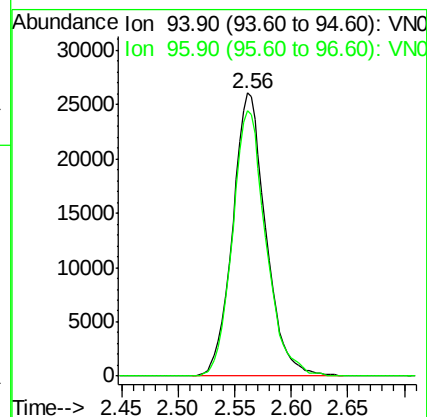
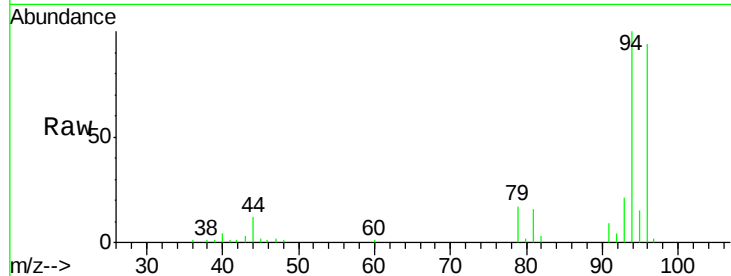
96 93.8 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 20.091 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055096.D

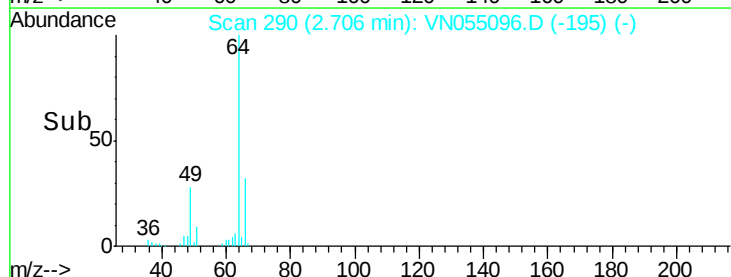
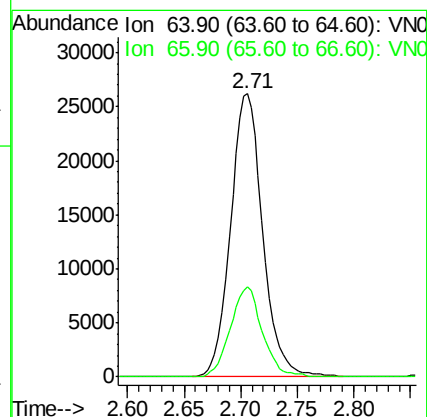
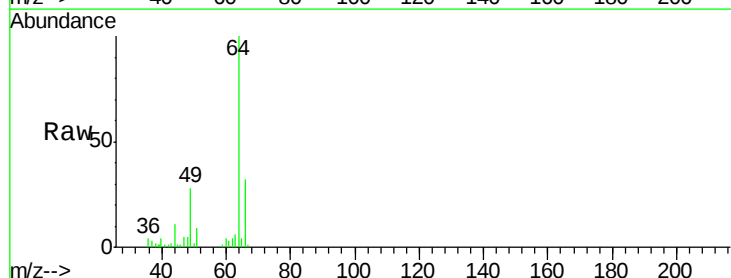
Acq: 17 Apr 2019 10:53

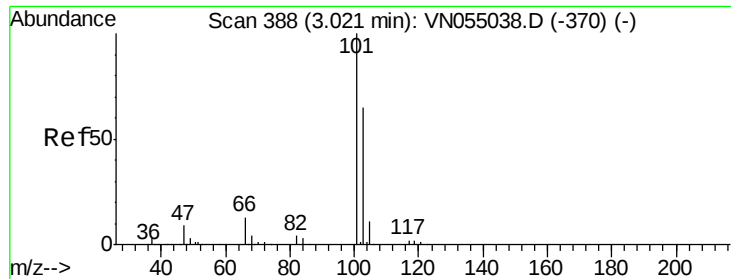
Tgt Ion: 64 Resp: 51613

Ion Ratio Lower Upper

64 100

66 31.7 26.6 40.0





#7

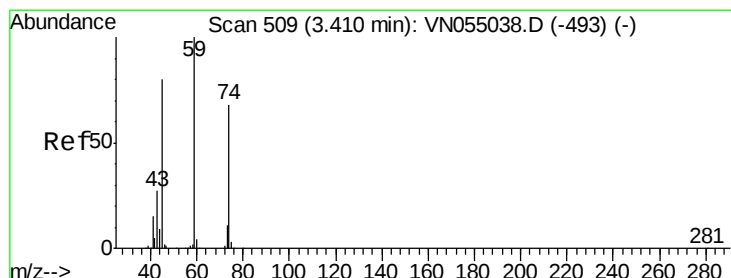
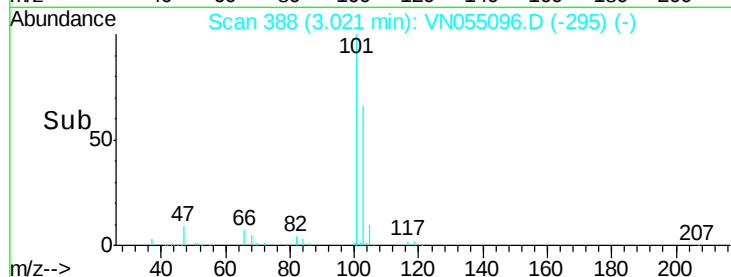
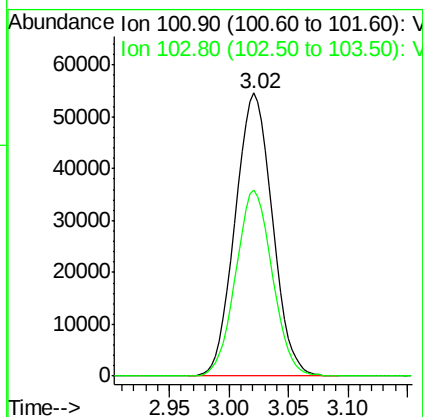
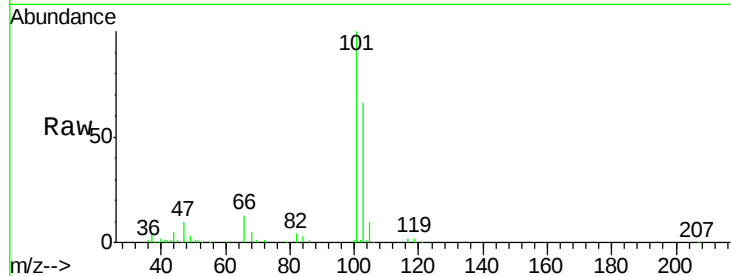
Trichlorofluoromethane
Concen: 19.934 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
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ClientSampleId :
VN0417WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100				
103	65.7	52.5	78.7		

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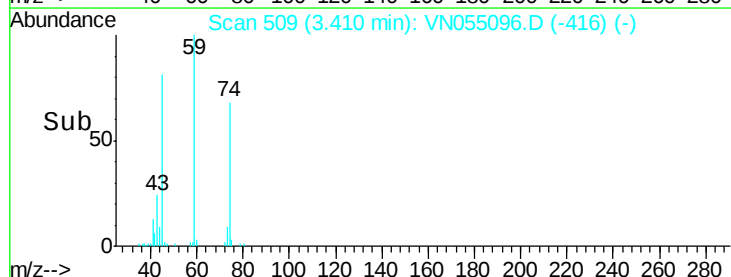
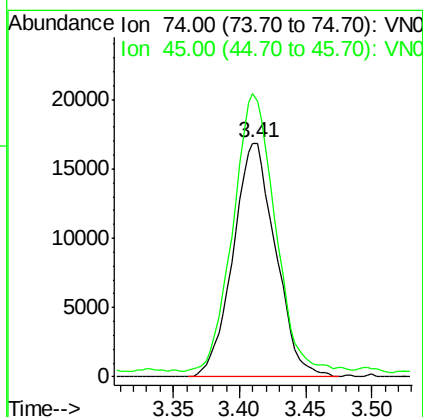
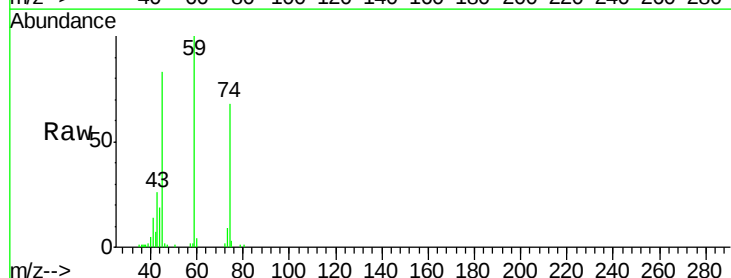
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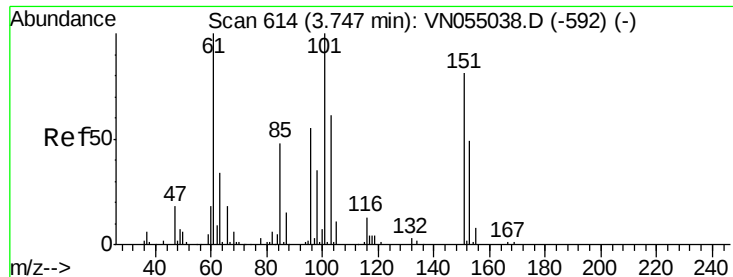


#8

Diethyl Ether
Concen: 19.729 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100				
45	117.3	55.7	167.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.932 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

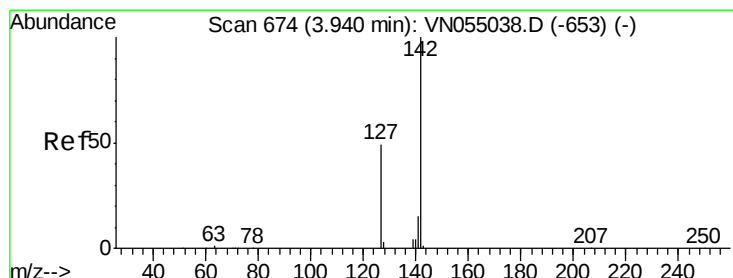
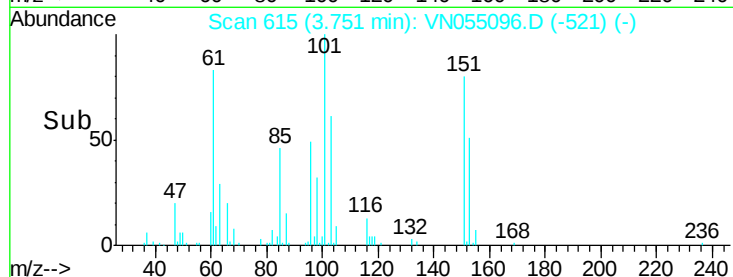
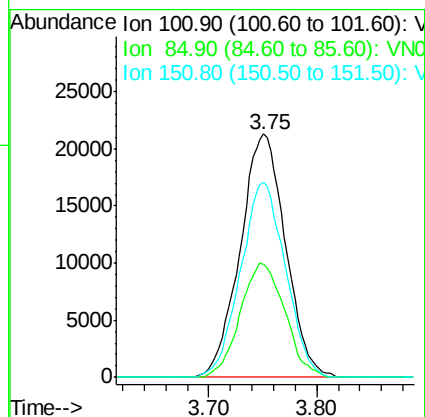
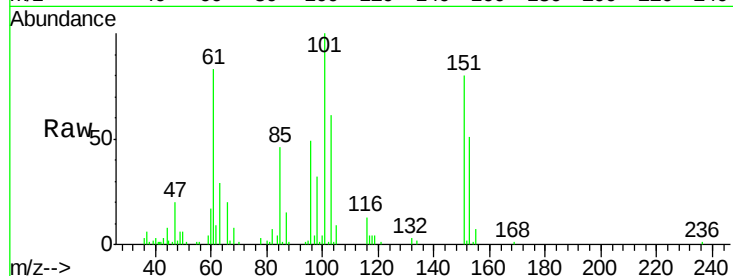
ClientSampleId :

VN0417WBS01

Tot Ion:	101	Resp:	62144
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.9	55.3
151	79.4	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.358 ug/l

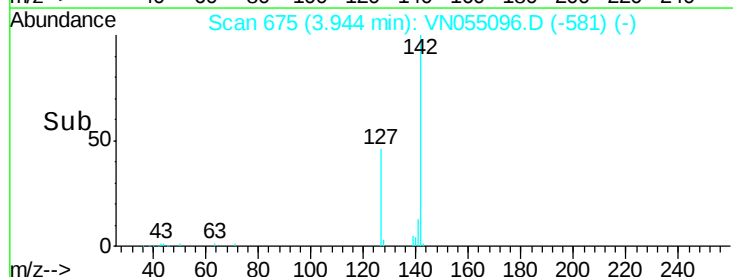
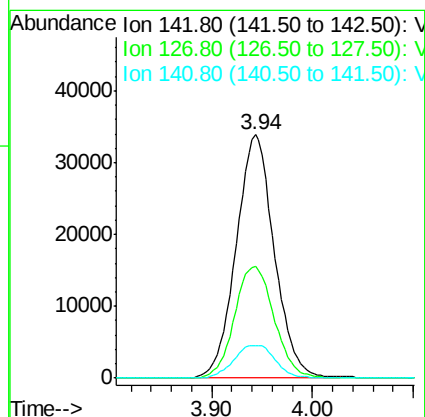
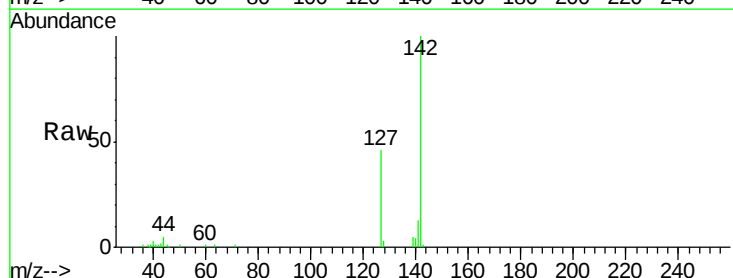
RT: 3.94 min Scan# 675

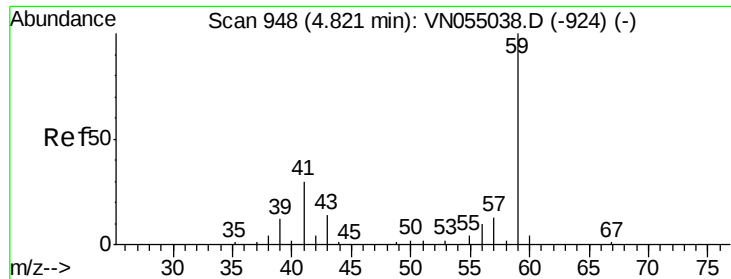
Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Tgt Ion:	142	Resp:	88822
Ion Ratio	Lower	Upper	
142	100		
127	47.6	37.9	56.9
141	14.6	11.8	17.8





#11

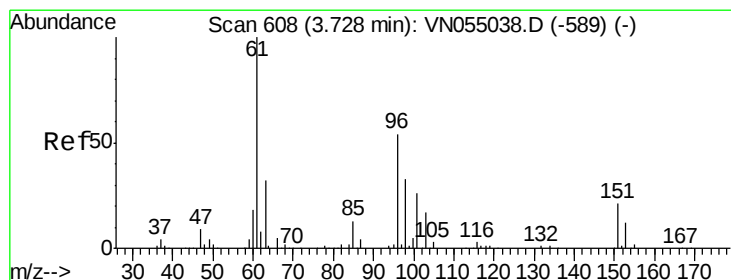
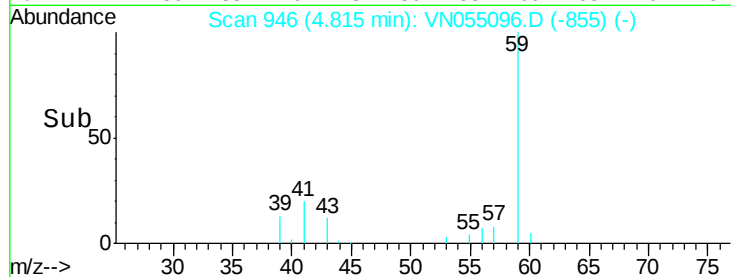
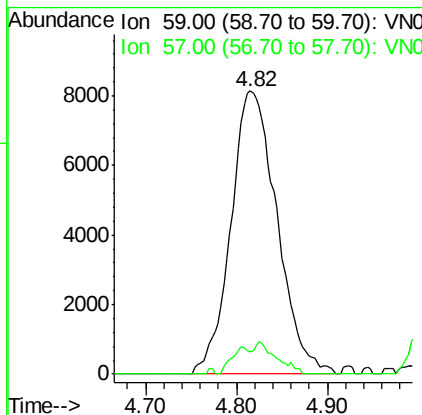
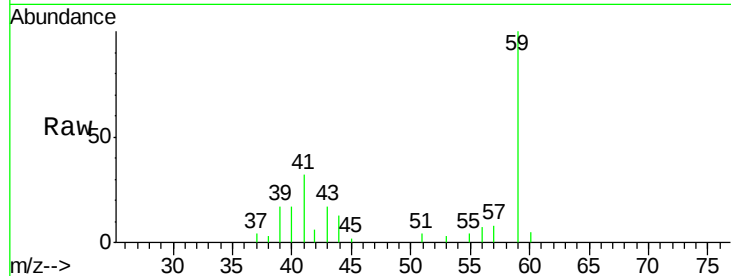
Tert butyl alcohol
 Concen: 102.876 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	28660		
57	5.7		8.3	12.5#

Manual Integrations
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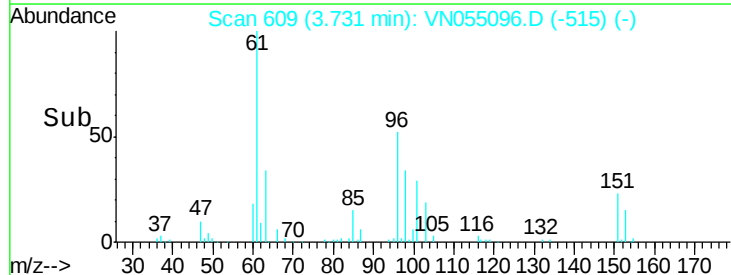
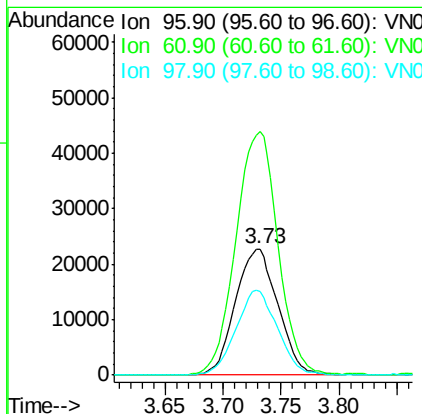
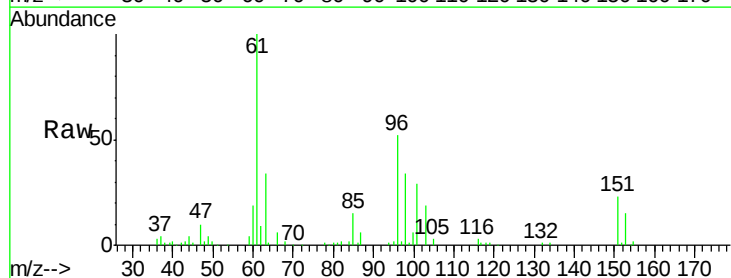
MMDadoda
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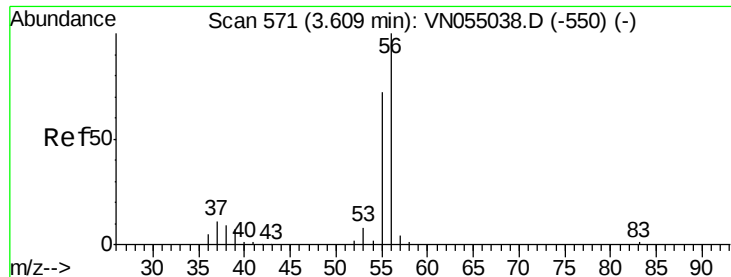


#12

1,1-Dichloroethene
 Concen: 19.033 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	57762		
61	192.7		154.2	231.4
98	65.7		52.9	79.3





#13

Acrolein

Concen: 78.530 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion: 56 Resp: 27042

Ion Ratio Lower Upper

56 100

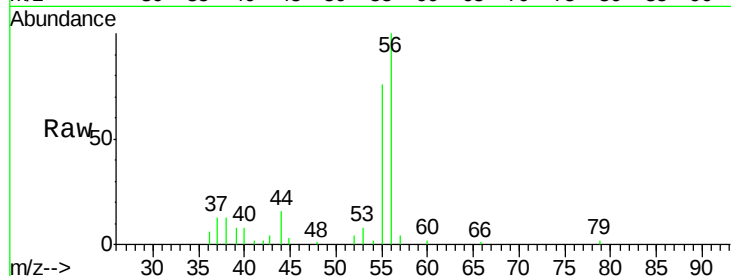
55 73.0 59.5 89.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

4000

2000

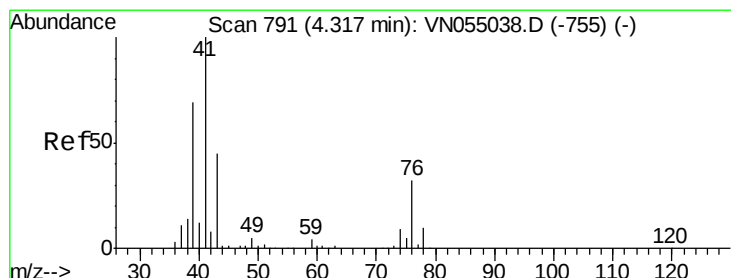
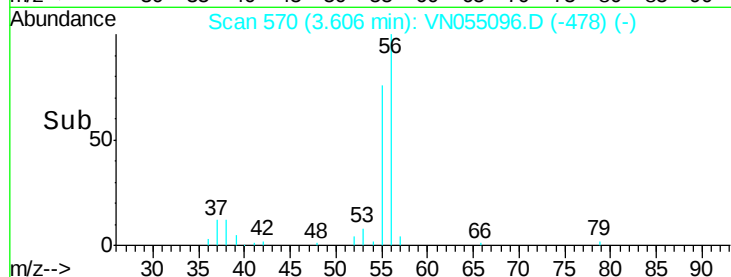
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 20.173 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

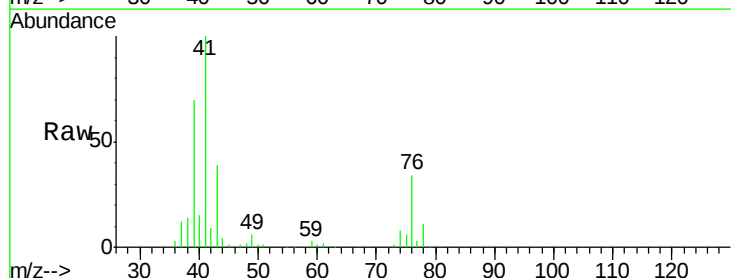
Tgt Ion: 41 Resp: 149852

Ion Ratio Lower Upper

41 100

39 66.5 52.7 79.1

76 30.2 23.2 34.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

60000

50000

40000

30000

20000

10000

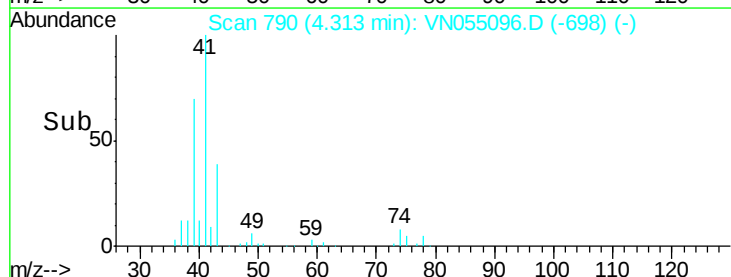
0

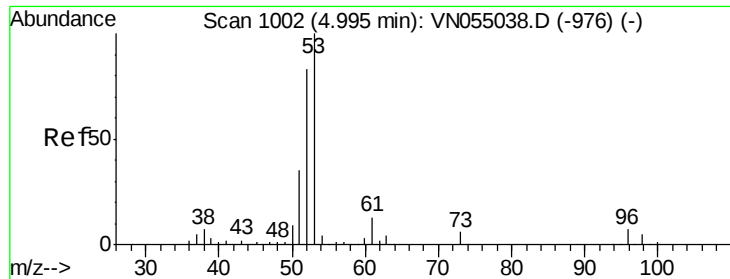
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 100.135 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

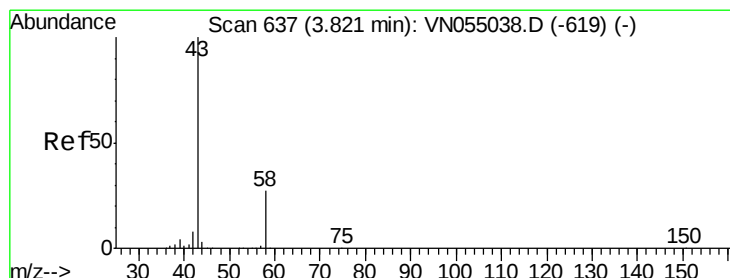
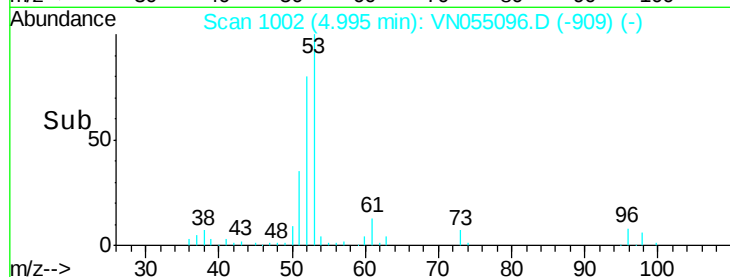
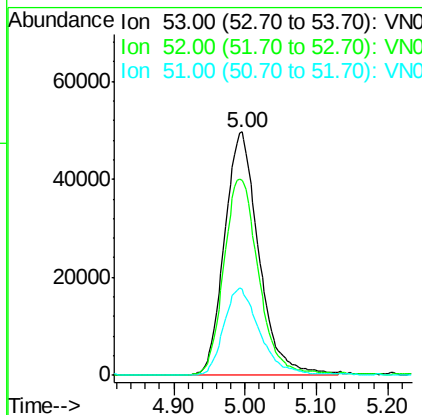
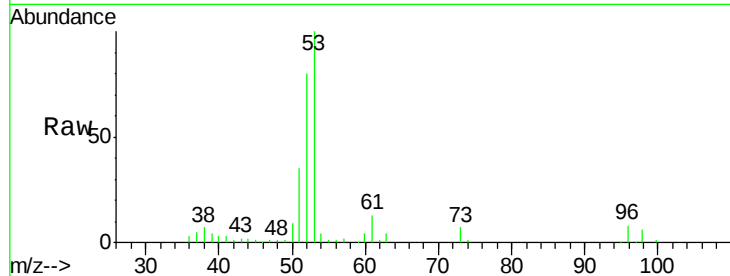
ClientSampleId :

VN0417WBS01

Tot Ion:	53	Resp:	166905
Ion Ratio		Lower	Upper
53	100		
52	81.4	65.9	98.9
51	37.3	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 95.392 ug/l

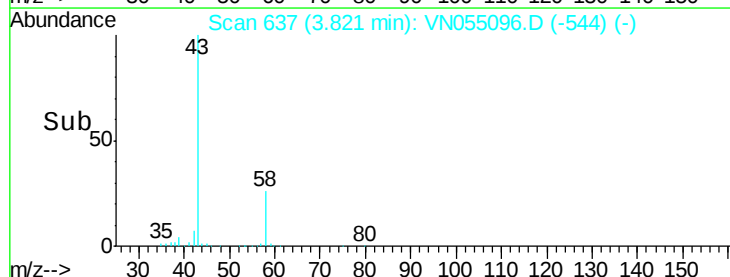
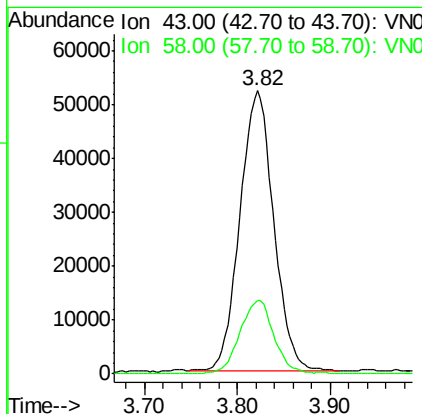
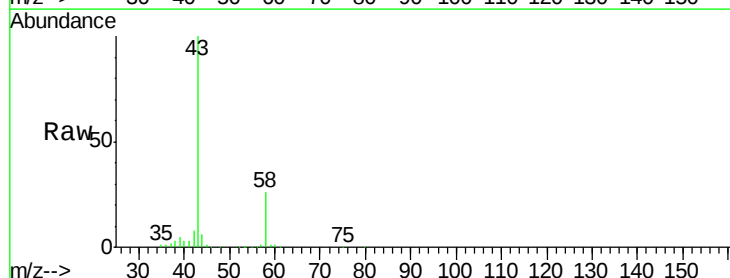
RT: 3.82 min Scan# 637

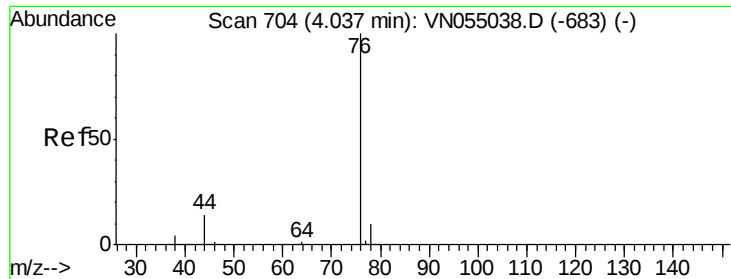
Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Tgt Ion:	43	Resp:	131591
Ion Ratio		Lower	Upper
43	100		
58	25.9	20.9	31.3





#17

Carbon Disulfide

Concen: 17.864 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion: 76 Resp: 175004

Ion Ratio Lower Upper

76 100

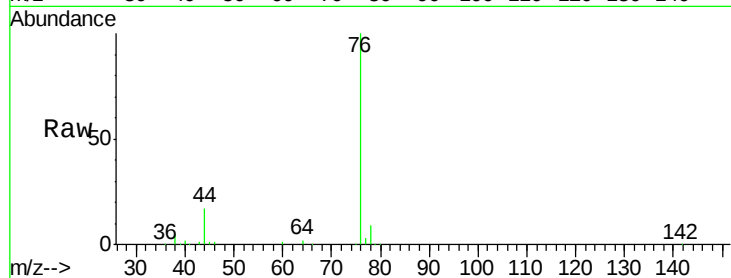
78 9.4 7.2 10.8

Manual Integrations

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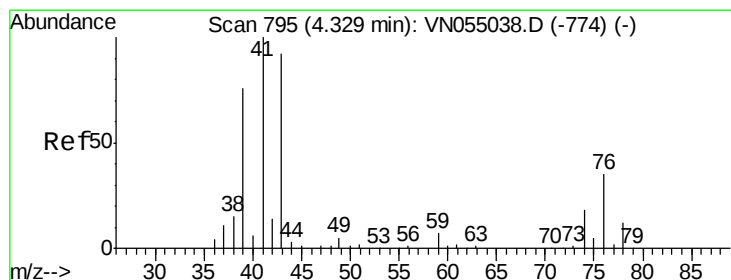
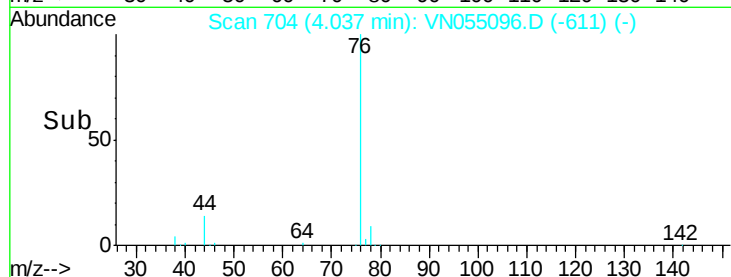
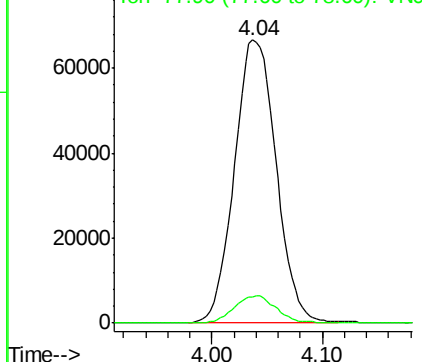
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.374 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055096.D

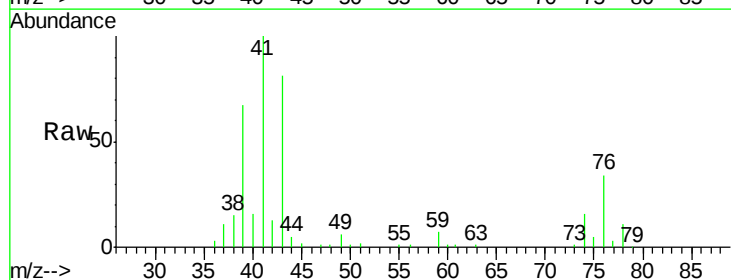
Acq: 17 Apr 2019 10:53

Tgt Ion: 43 Resp: 82032

Ion Ratio Lower Upper

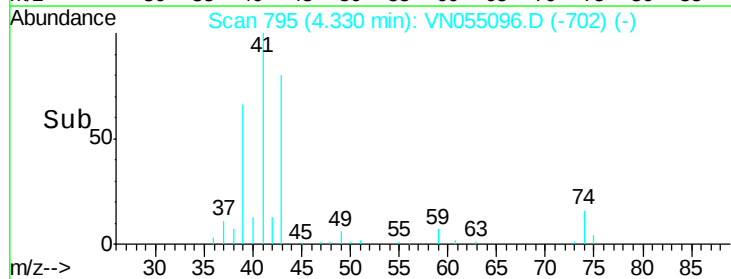
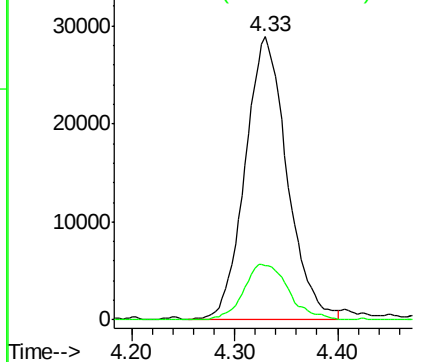
43 100

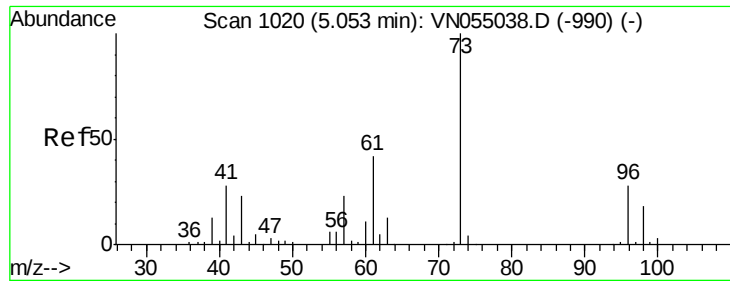
74 20.8 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





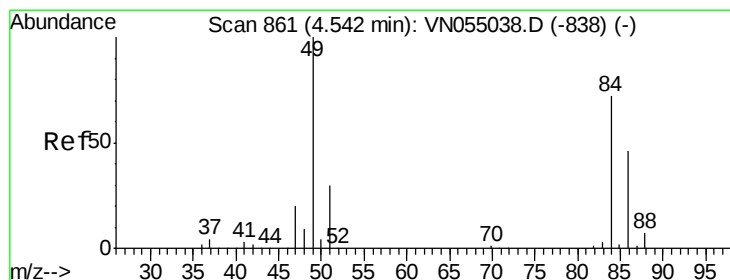
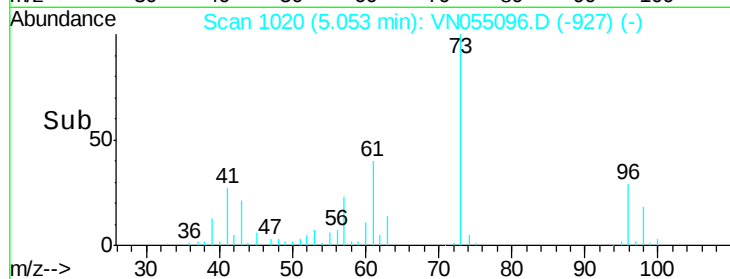
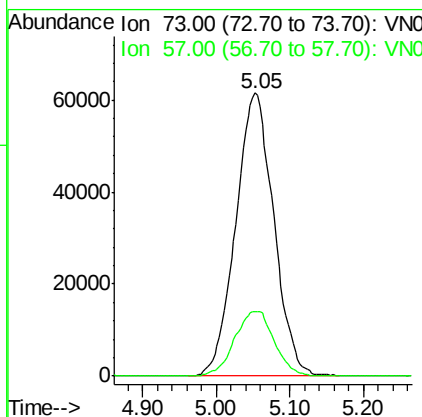
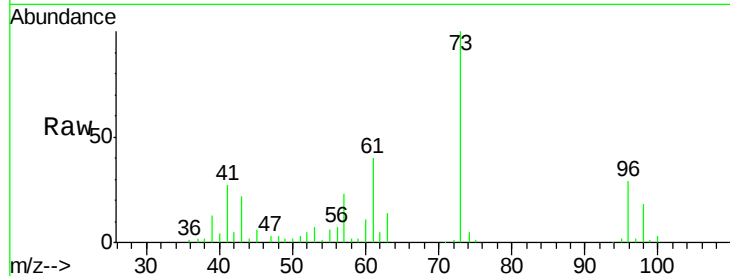
#19
Methyl tert-butyl Ether
Concen: 20.335 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion: 73 Resp: 220756
Ion Ratio Lower Upper
73 100
57 22.8 19.0 28.4

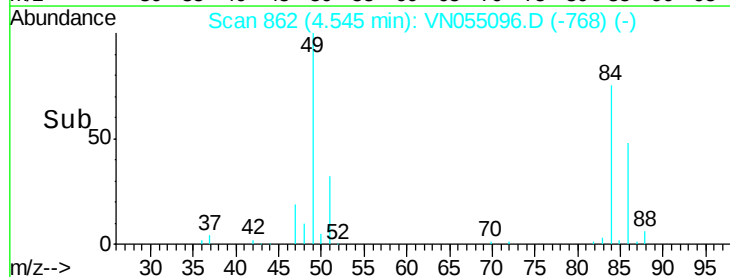
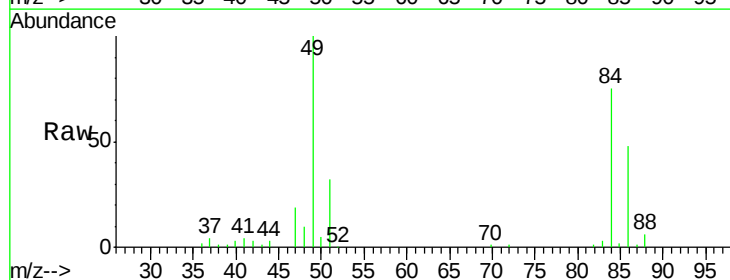
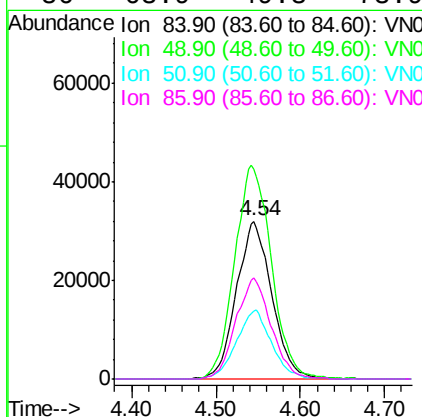
Manual Integrations
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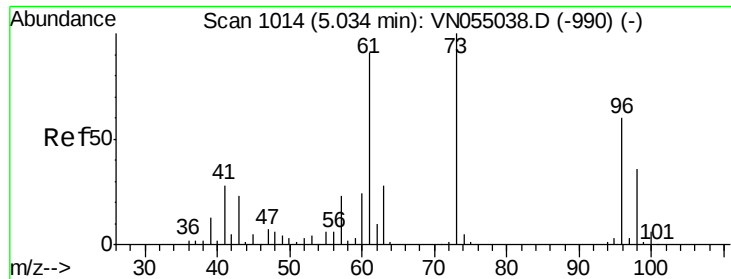
MMDadoda
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#20
Methylene Chloride
Concen: 19.235 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion: 84 Resp: 93279
Ion Ratio Lower Upper
84 100
49 133.2 109.4 164.2
51 42.9 32.2 48.4
86 63.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.738 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

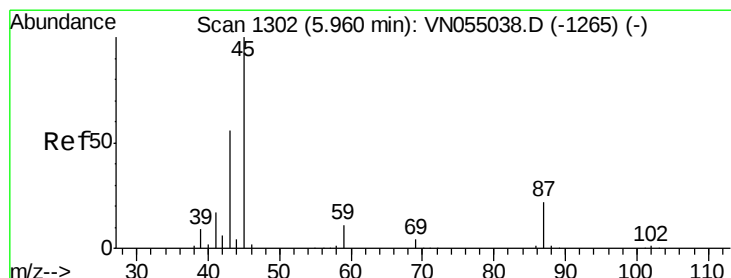
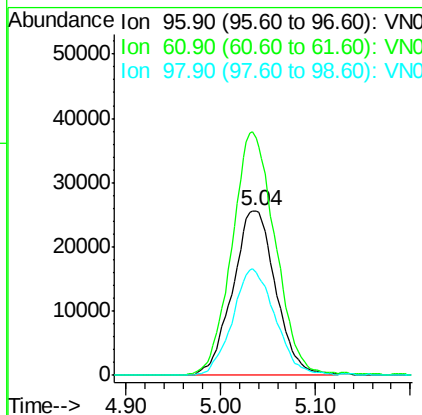
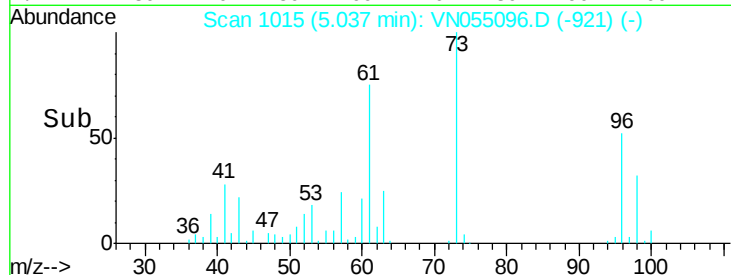
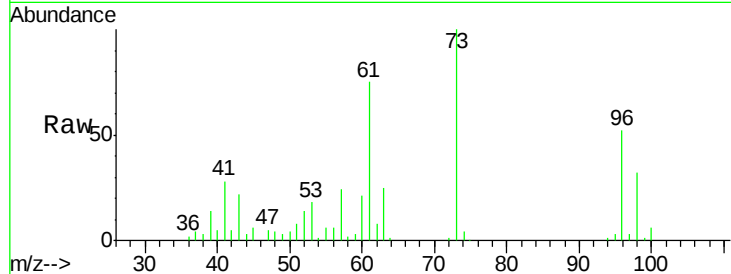
ClientSampleId :

VN0417WBS01

Tot Ion:	96	Resp:	81014
Ion	Ratio	Lower	Upper
96	100		
61	143.2	114.9	172.3
98	62.3	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.482 ug/l

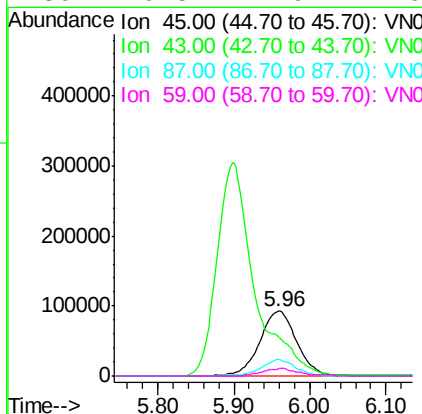
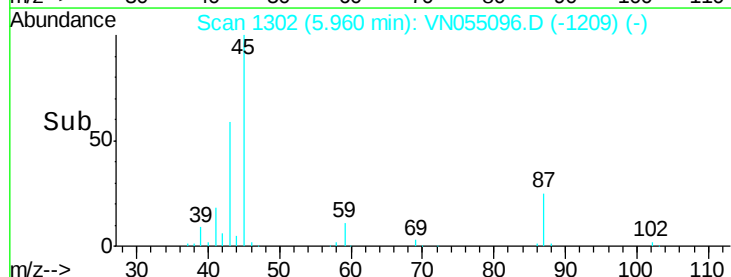
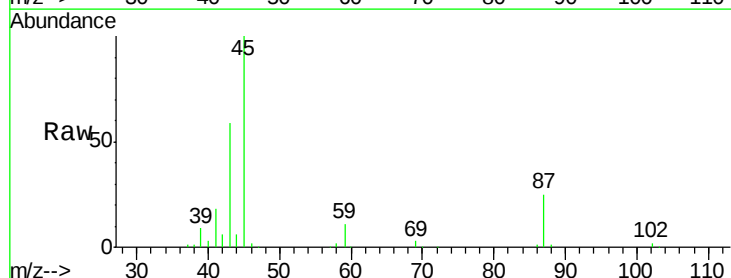
RT: 5.96 min Scan# 1302

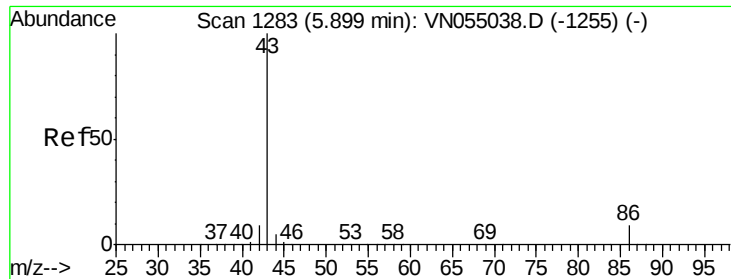
Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Tgt Ion:	45	Resp:	312778
Ion	Ratio	Lower	Upper
45	100		
43	57.4	44.8	67.2
87	24.3	18.9	28.3
59	10.5	7.9	11.9





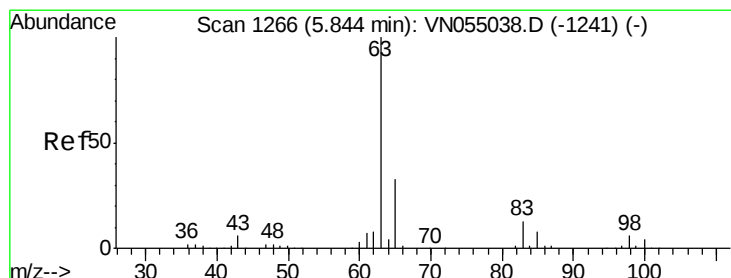
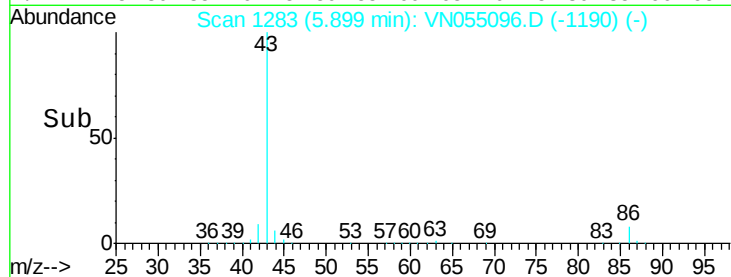
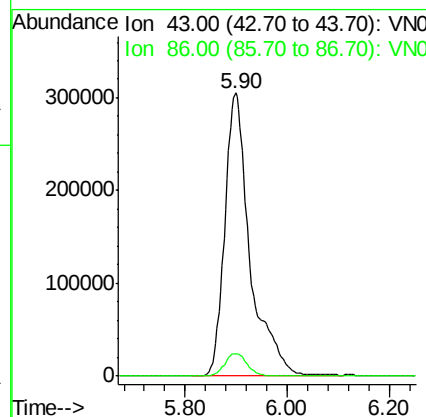
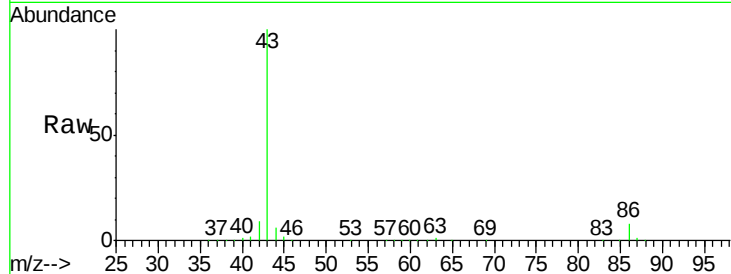
#23
 Vinyl Acetate
 Concen: 103.978 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion: 43 Resp: 1049538
 Ion Ratio Lower Upper
 43 100
 86 7.8 7.0 10.4

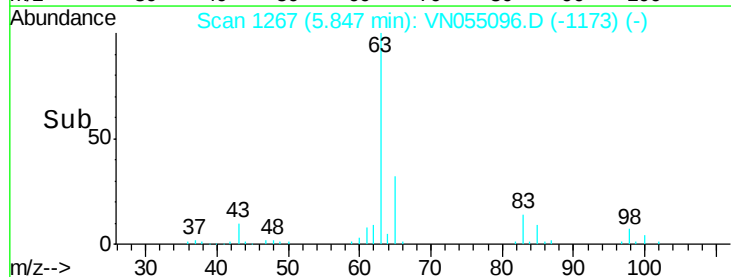
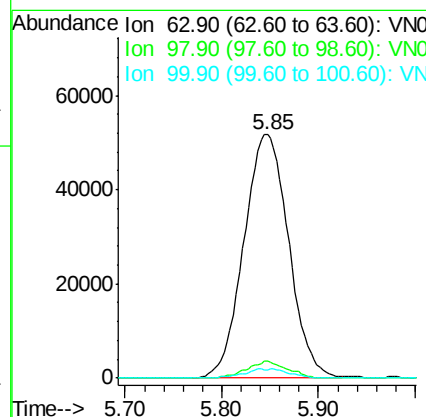
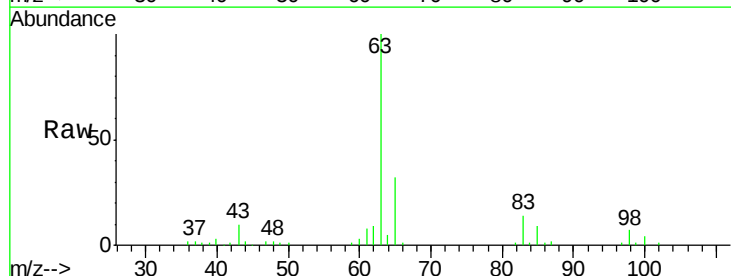
Manual Integrations
 APPROVED

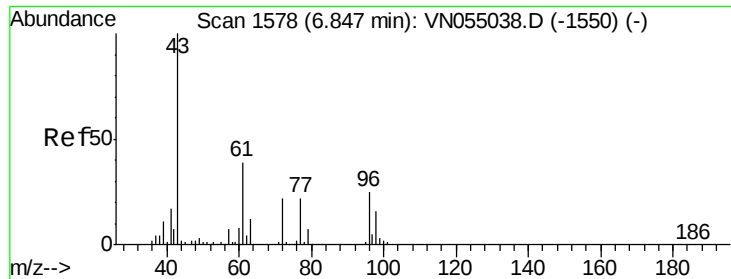
MMDadoda
 4/19/2019 12:21:23 PM



#24
 1,1-Dichloroethane
 Concen: 20.449 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Tgt Ion: 63 Resp: 166291
 Ion Ratio Lower Upper
 63 100
 98 7.0 2.8 8.4
 100 3.5 2.0 5.8





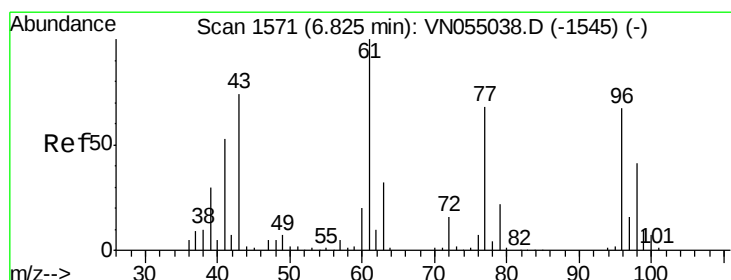
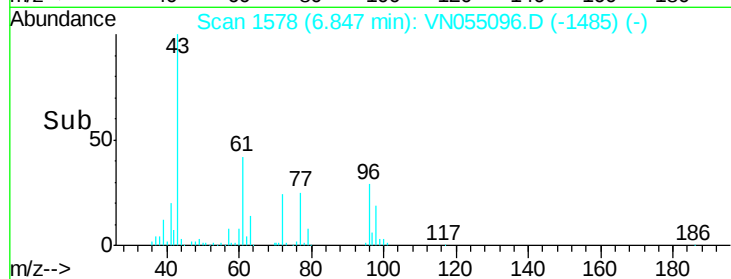
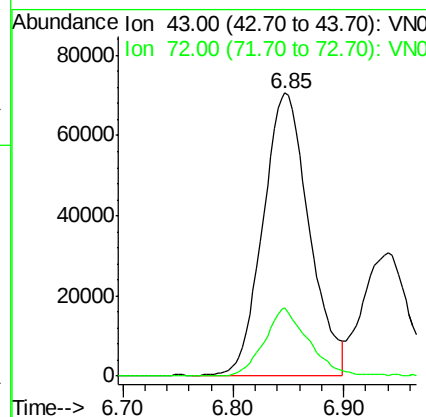
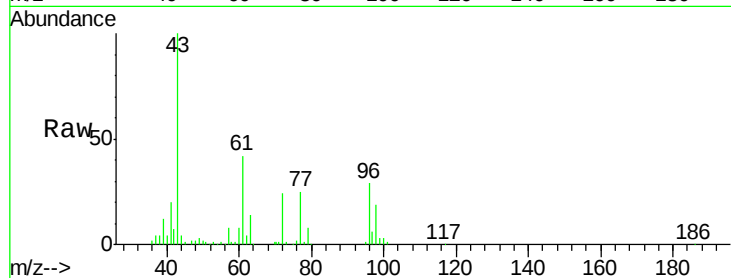
#25
2-Butanone
Concen: 99.376 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampled :
VN0417WBS01

Tot Ion: 43 Resp: 204600
Ion Ratio Lower Upper
43 100
72 24.2 18.1 27.1

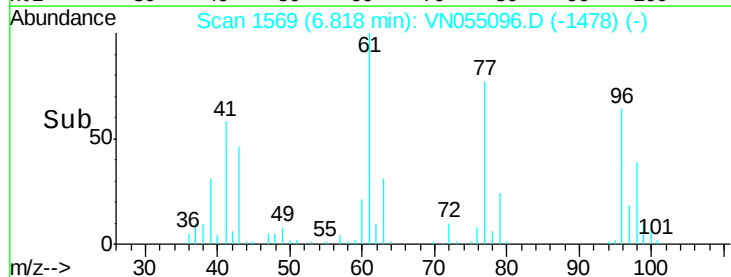
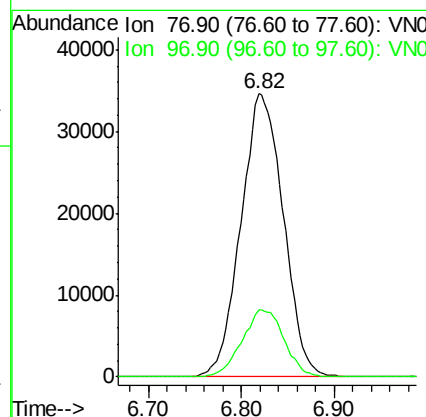
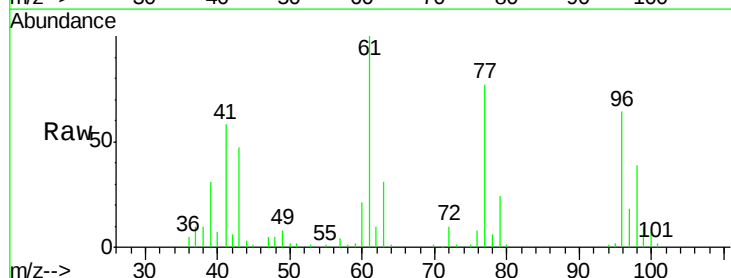
Manual Integrations
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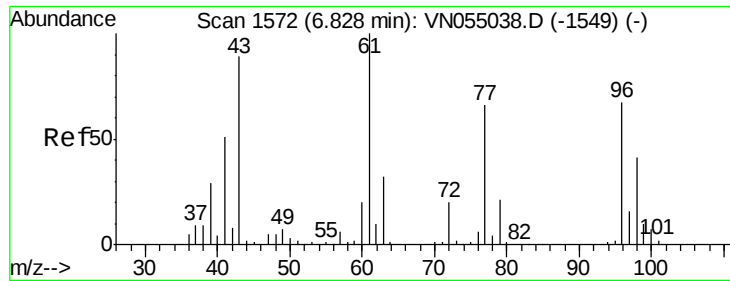
MMDadoda
4/19/2019 12:21:23 PM



#26
2,2-Dichloropropane
Concen: 21.357 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion: 77 Resp: 109617
Ion Ratio Lower Upper
77 100
97 23.4 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.467 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion: 96 Resp: 95042

Ion Ratio Lower Upper

96 100

61 152.8 0.0 311.0

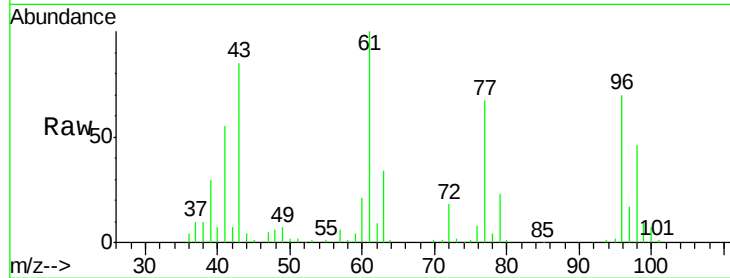
98 64.5 0.0 127.4

Manual Integrations

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MMDadoda

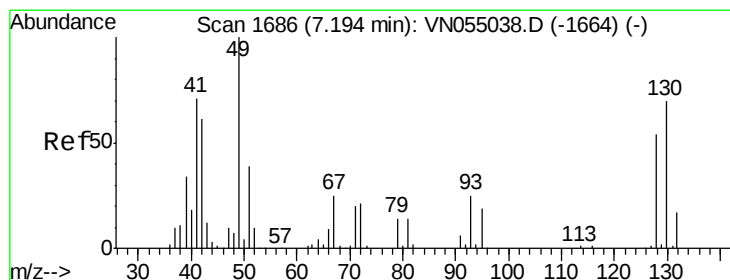
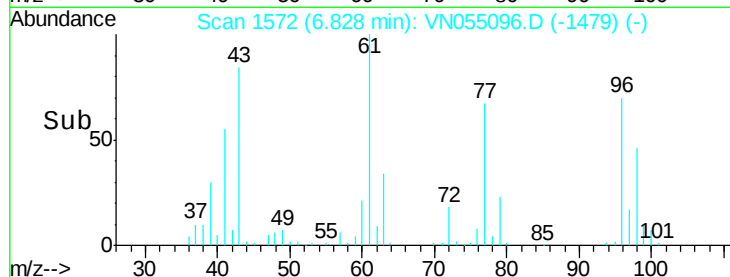
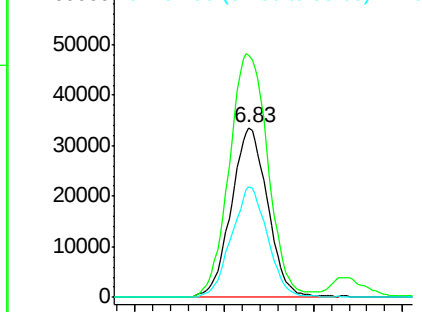
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Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.434 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

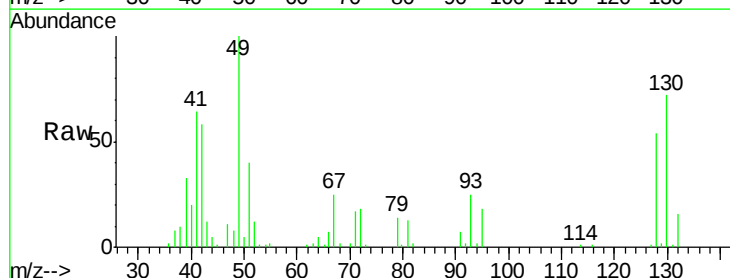
Tgt Ion: 49 Resp: 76183

Ion Ratio Lower Upper

49 100

129 1.8 0.0 2.0

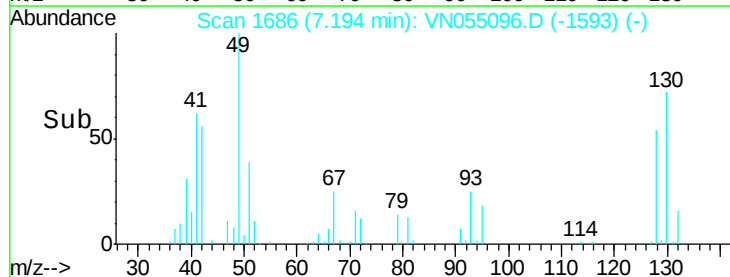
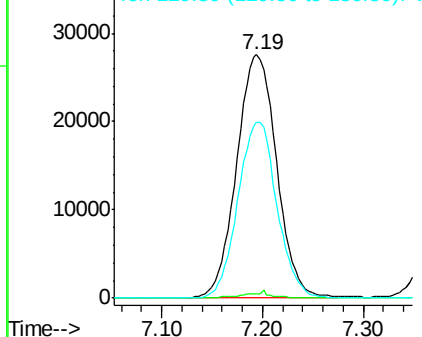
130 70.2 53.4 80.2

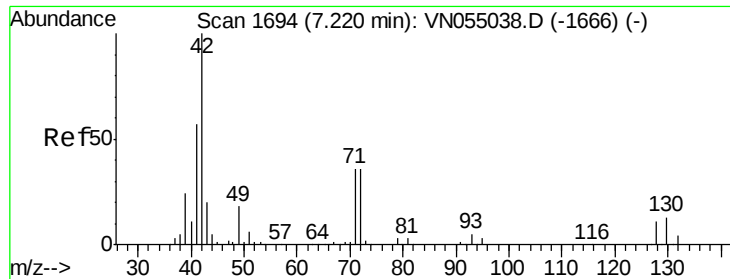


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





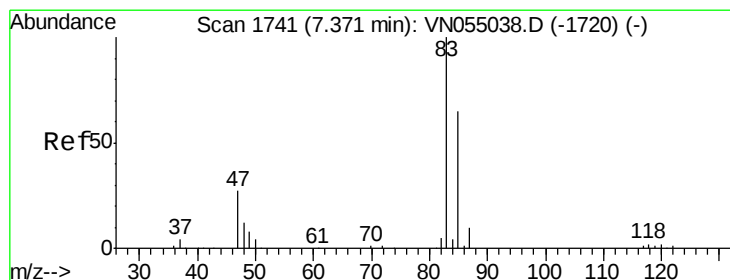
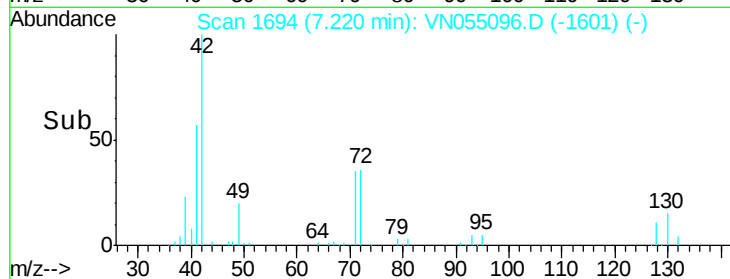
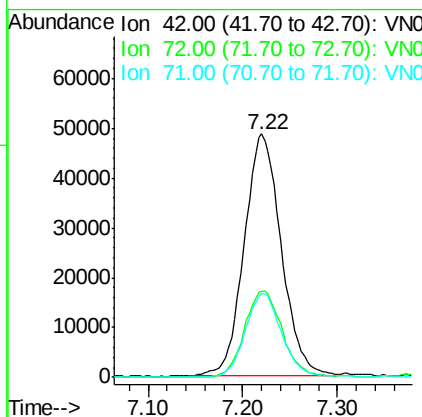
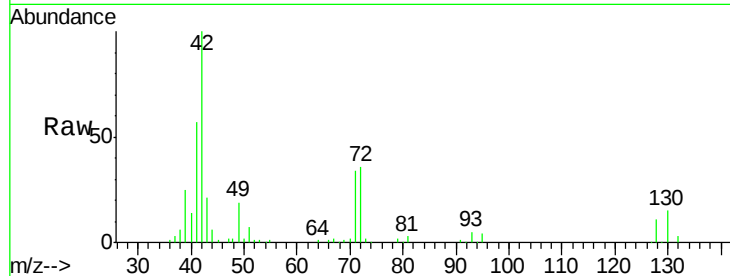
#29
Tetrahydrofuran
Concen: 98.388 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	29.4	44.0
71	34.2	27.8	41.6

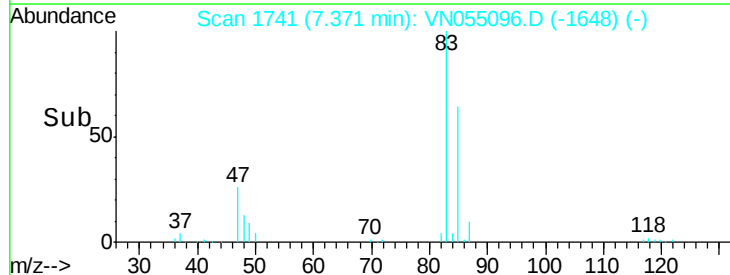
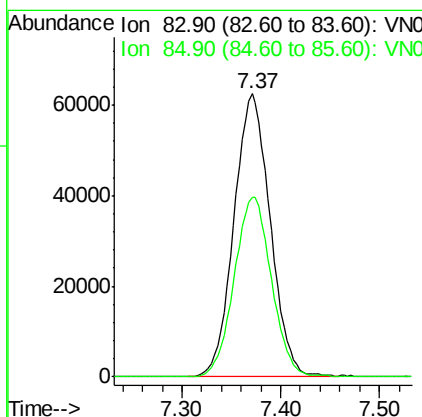
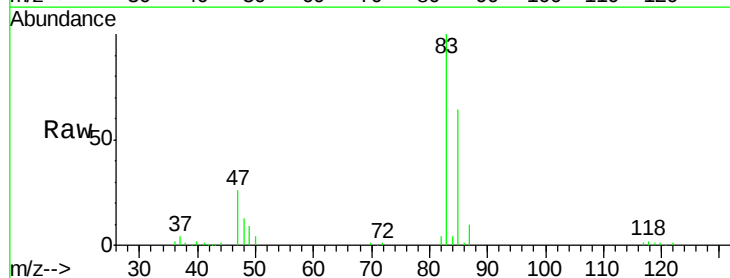
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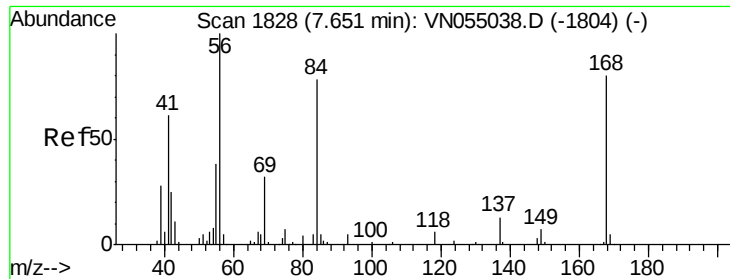
MMDadoda
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#30
Chloroform
Concen: 20.183 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6





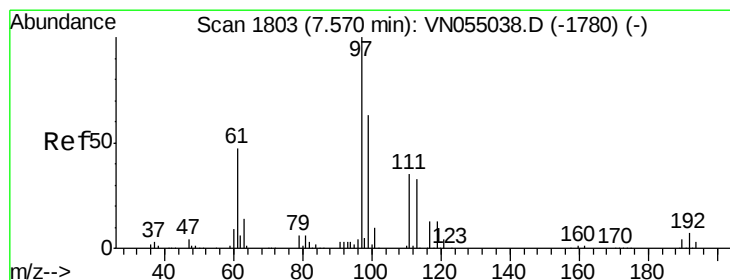
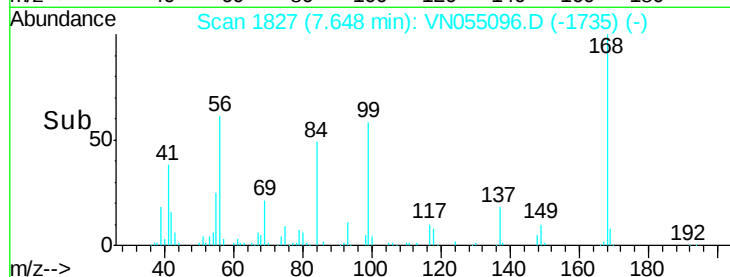
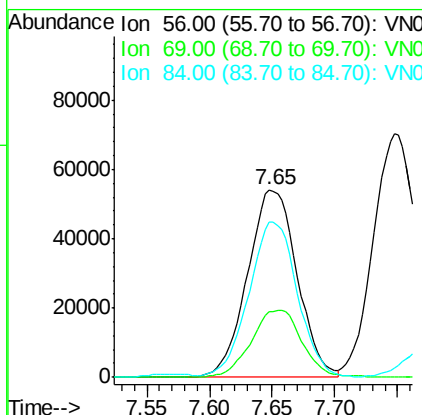
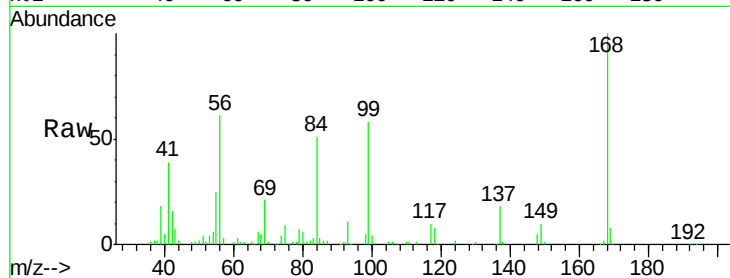
#31
Cyclohexane
Concen: 19.954 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	24.5	36.7
84	81.1	62.9	94.3

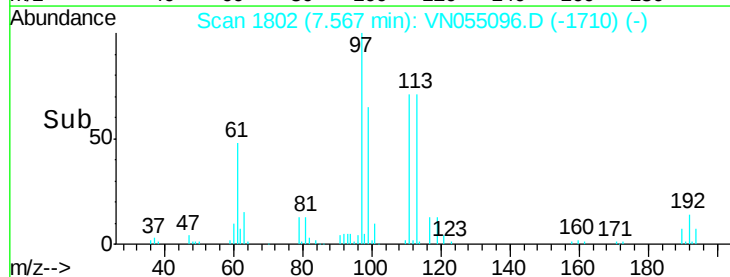
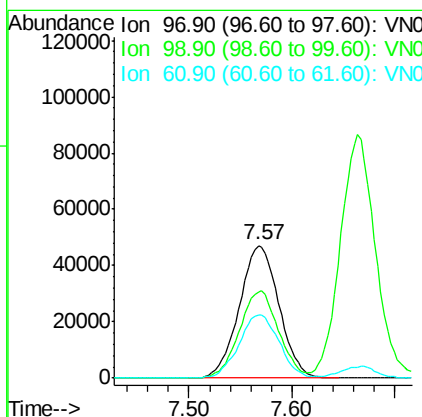
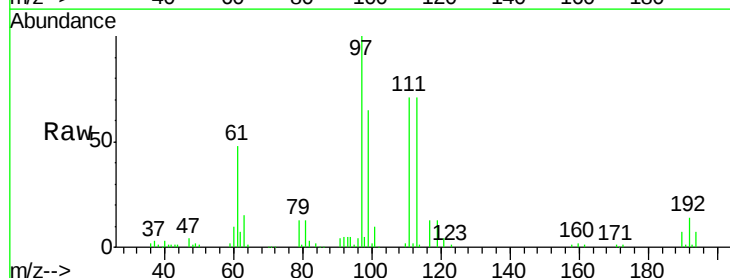
Manual Integrations
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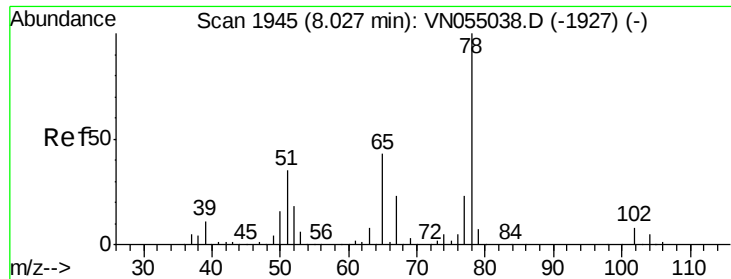
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.116 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.6	77.4
61	48.3	38.3	57.5





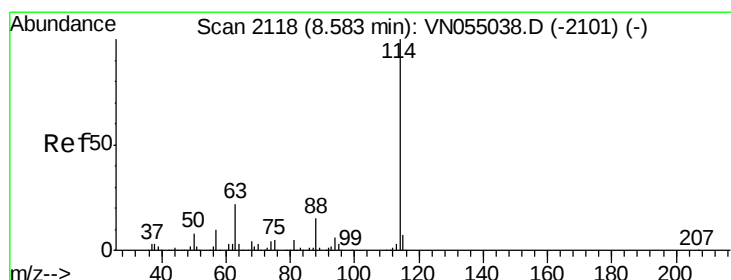
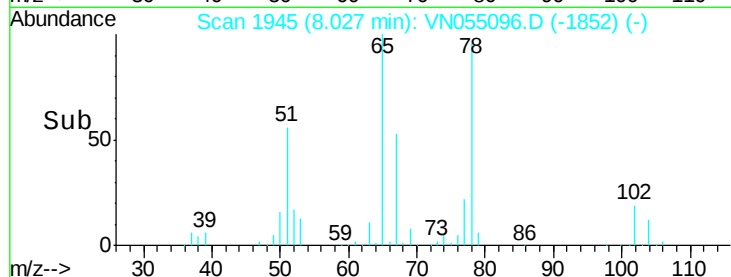
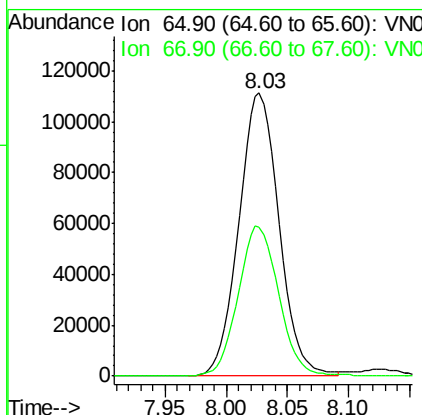
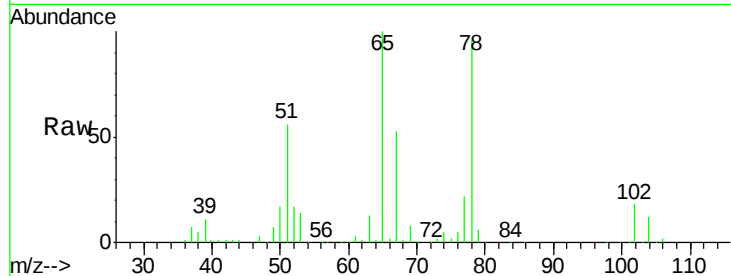
#33
 1,2-Dichloroethane-d4
 Concen: 49.817 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	253192		
67	53.7	0.0	106.4	

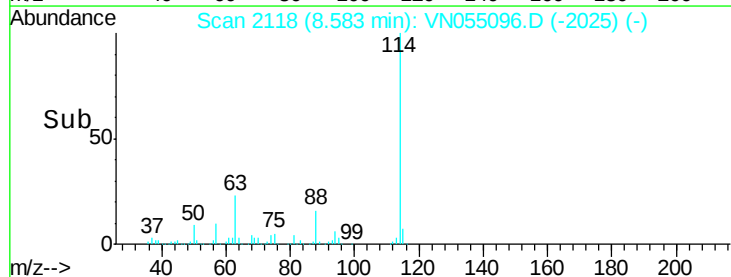
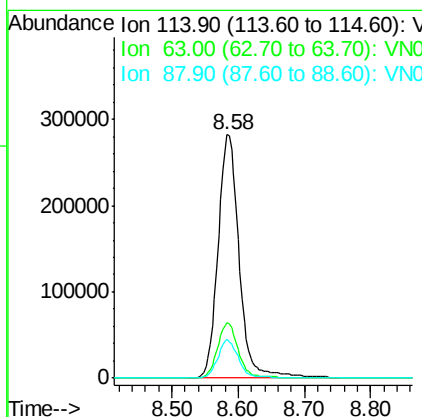
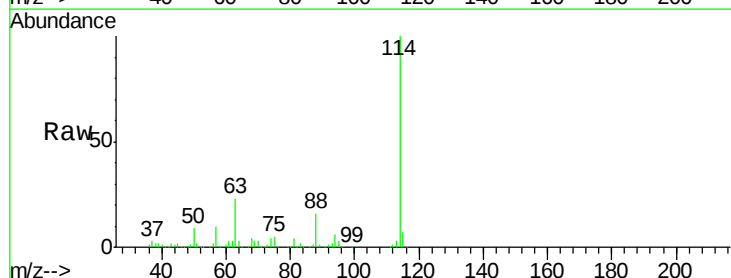
Manual Integrations
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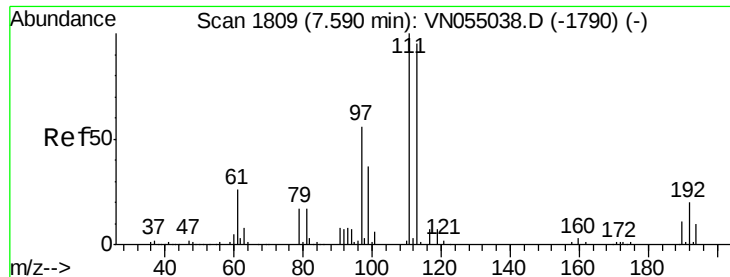
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	627067		
63	22.6	0.0	45.2	
88	15.7	0.0	31.8	





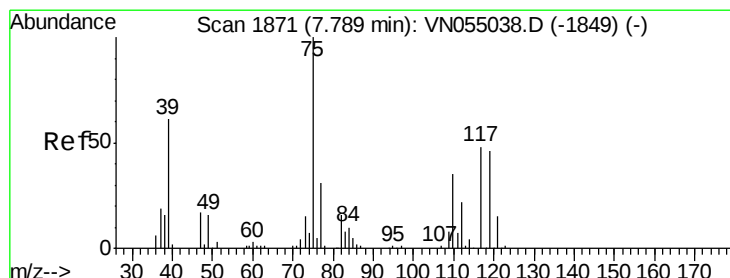
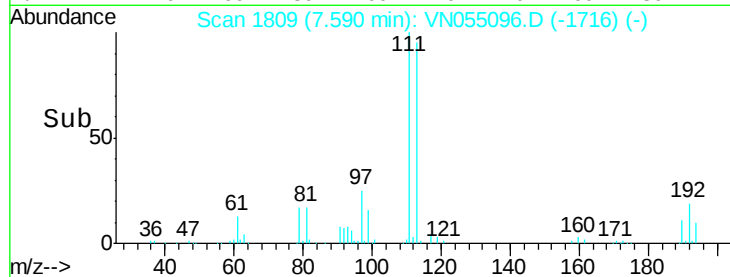
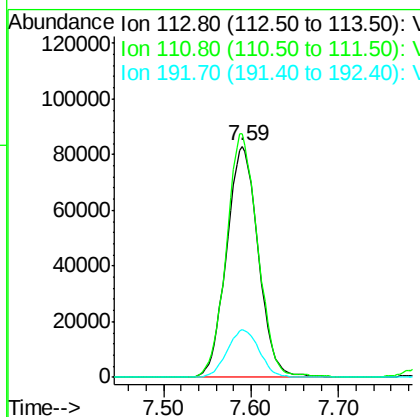
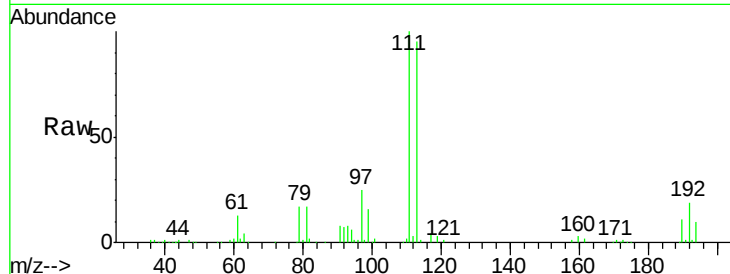
#35
 Dibromofluoromethane
 Concen: 49.943 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209298		
111	104.1	82.1	123.1	
192	20.9	16.5	24.7	

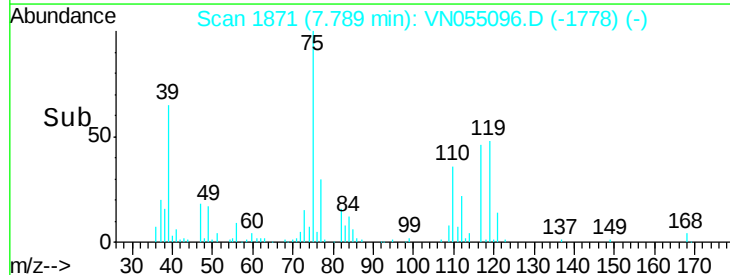
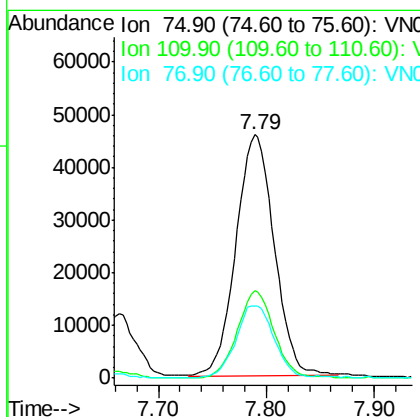
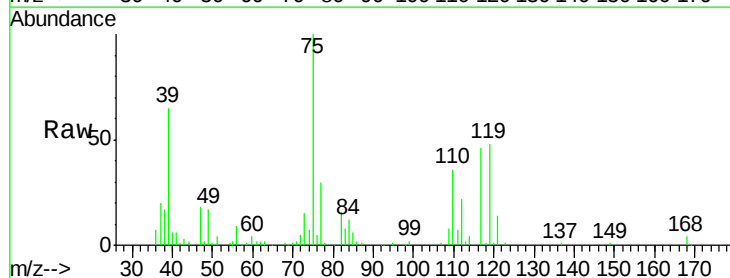
Manual Integrations
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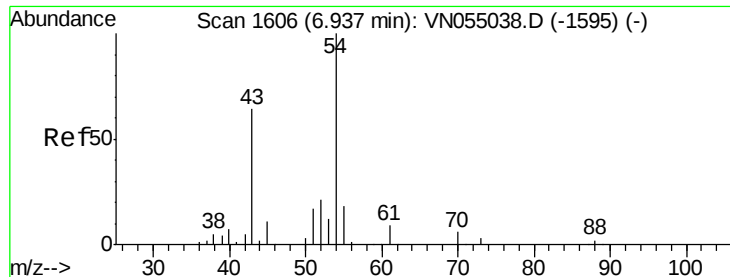
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#36
 1,1-Dichloropropene
 Concen: 19.079 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	112781		
110	35.0	17.5	52.5	
77	30.2	24.9	37.3	





#37

Ethyl Acetate

Concen: 18.148 ug/l

RT: 6.94 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

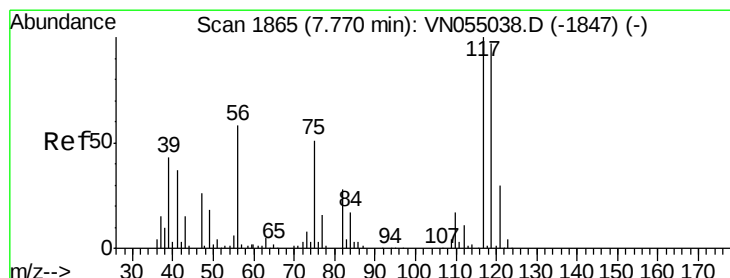
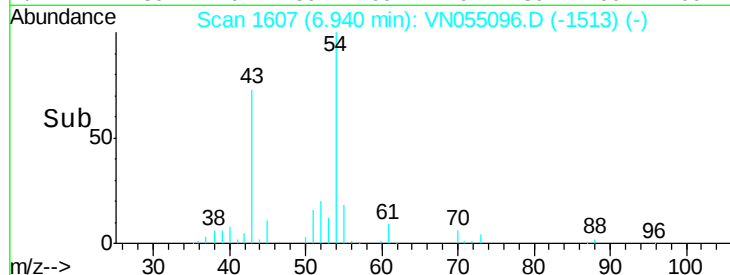
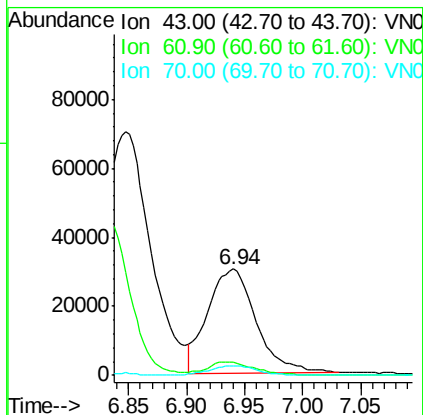
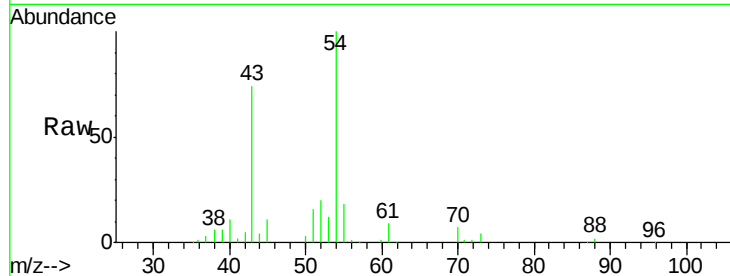
ClientSampleId :

VN0417WBS01

Tot Ion:	43	Resp:	87335
Ion	Ratio	Lower	Upper
43	100		
61	11.6	10.0	15.0
70	9.0	7.1	10.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.611 ug/l

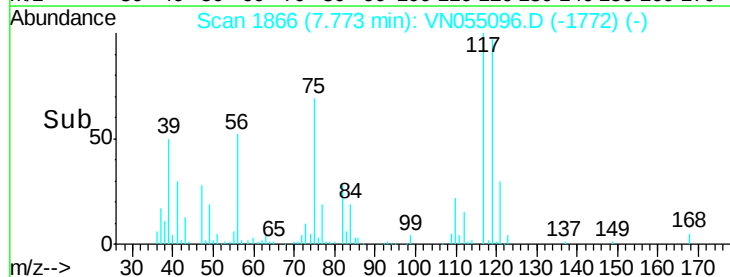
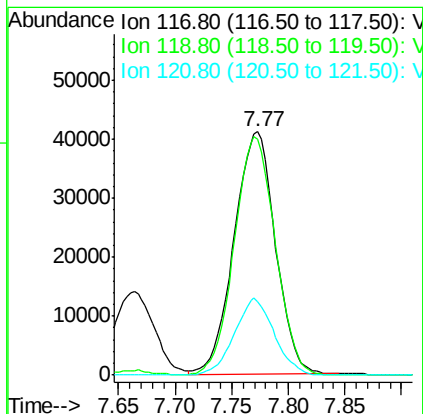
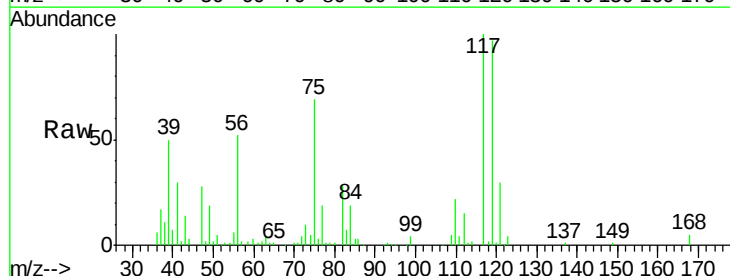
RT: 7.77 min Scan# 1866

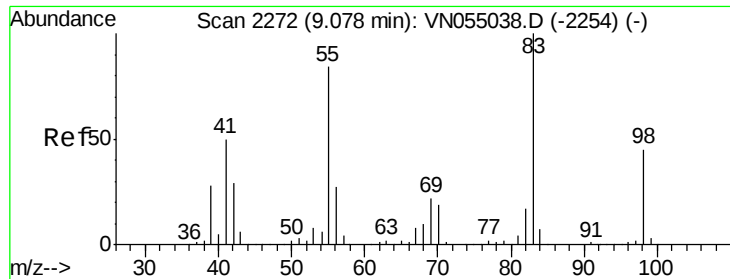
Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Tgt Ion:	117	Resp:	104667
Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.3	114.5
121	30.5	23.9	35.9





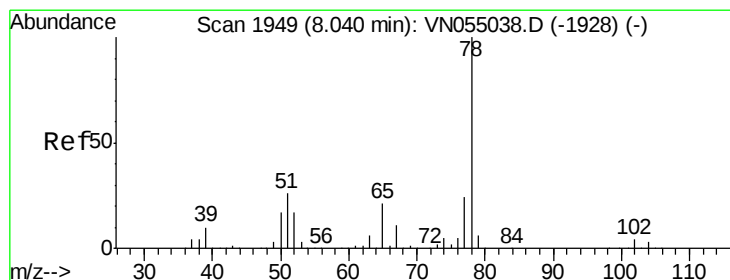
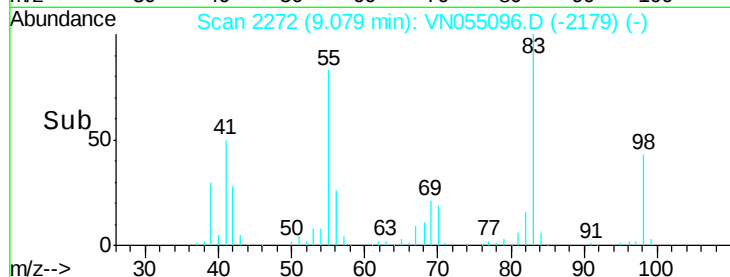
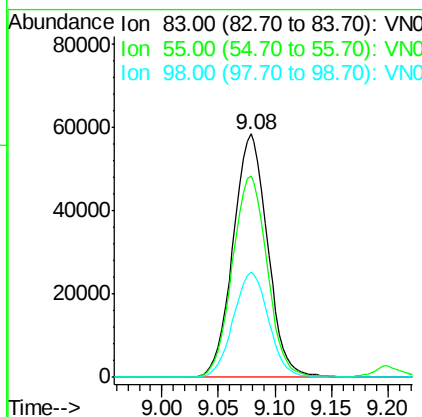
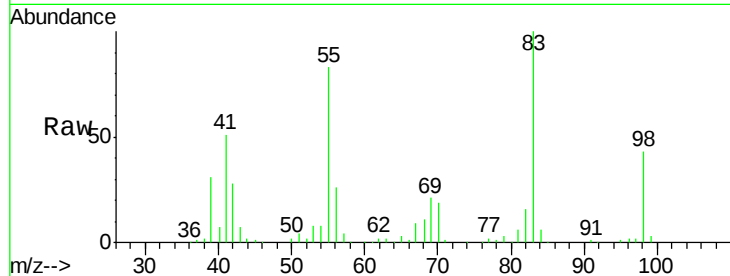
#39
Methvlcvclohexane
Concen: 19.396 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	67.0	100.4
98	43.3	35.6	53.4

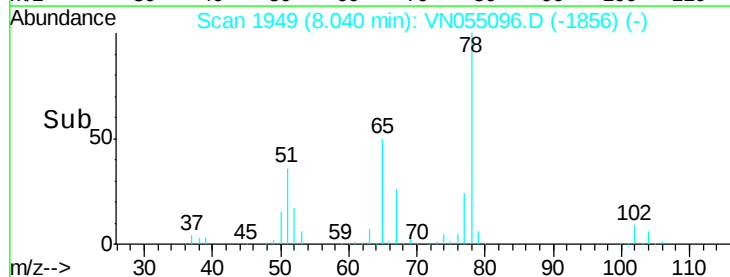
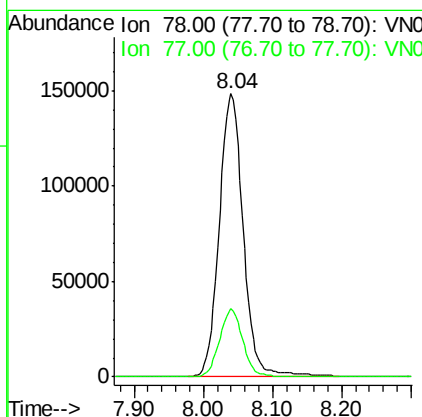
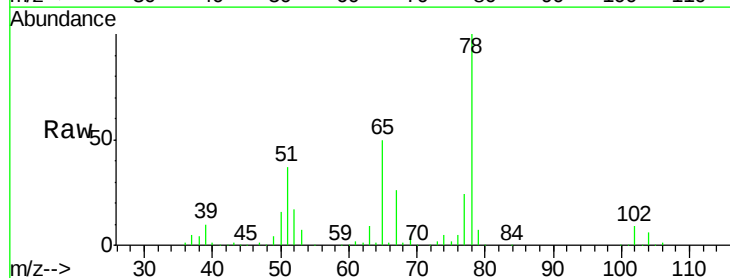
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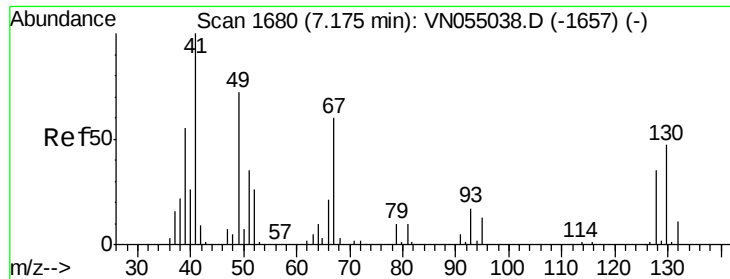
MMDadoda
4/19/2019 12:21:23 PM



#40
Benzene
Concen: 20.120 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





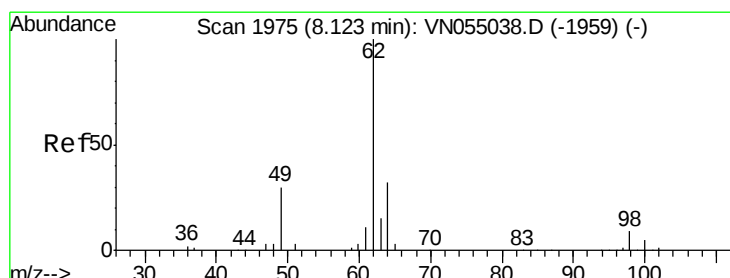
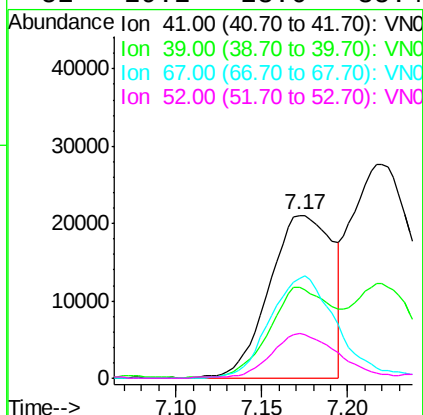
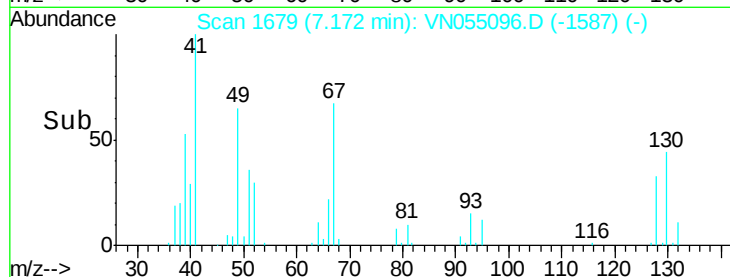
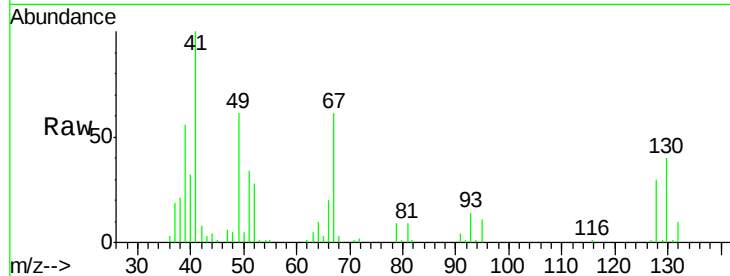
#41
Methacrylonitrile
Concen: 20.217 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	45.6	68.4	
67	66.6	57.0	85.6	
52	29.2	23.6	35.4	

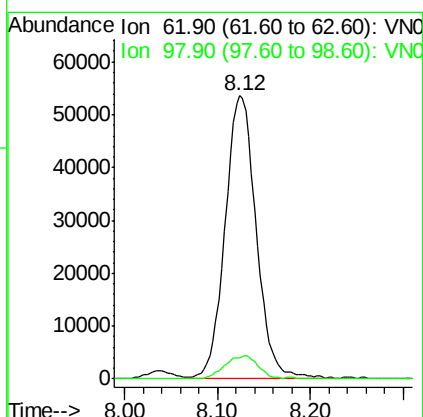
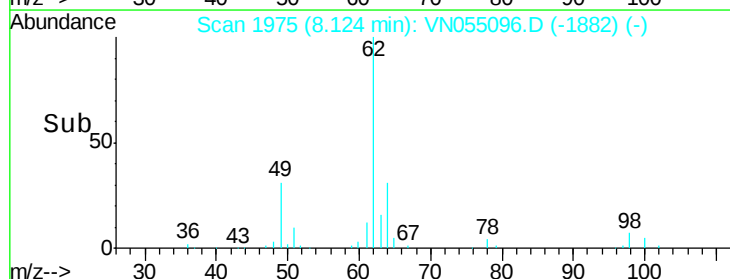
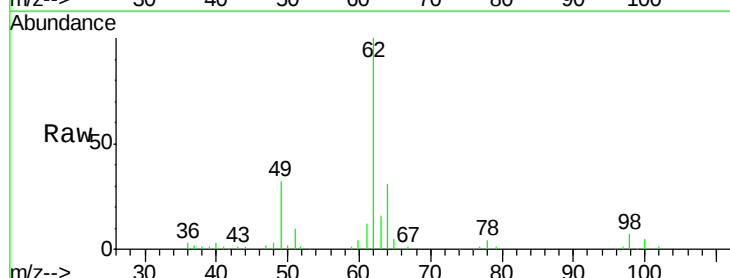
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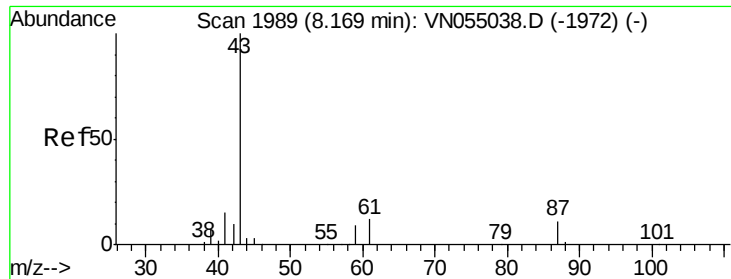
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.046 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

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





#43

Isopropyl Acetate

Concen: 19.310 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

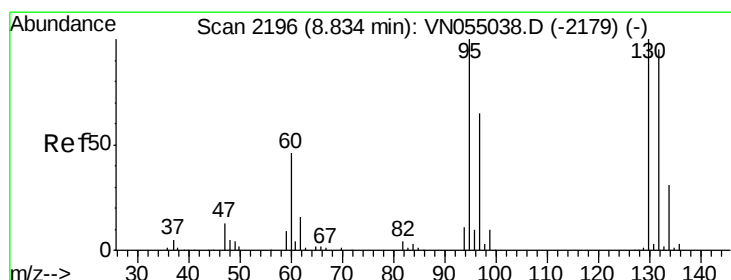
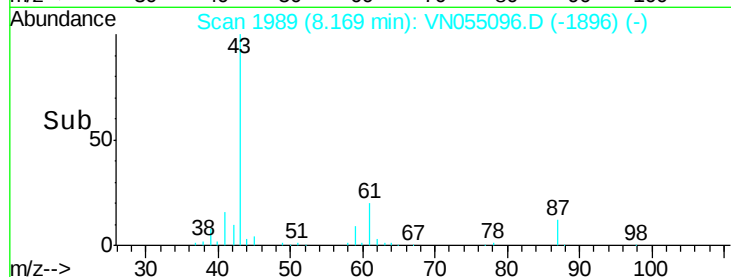
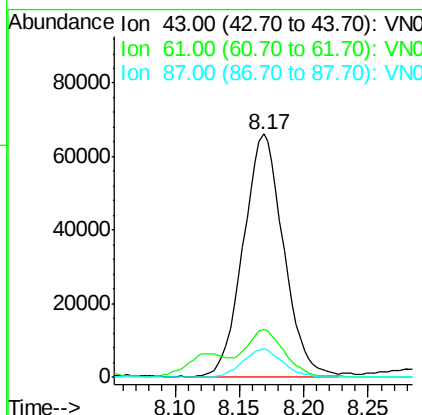
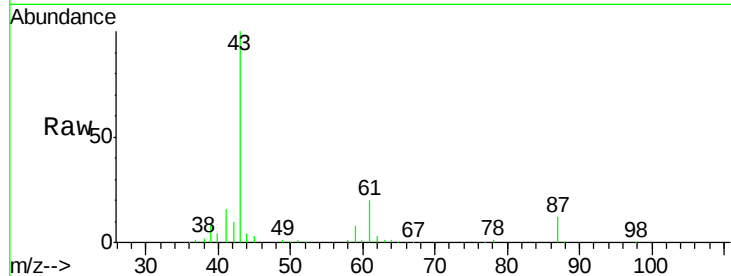
ClientSampleId :

VN0417WBS01

Tot Ion:	43	Resp:	143189
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.6	8.6	13.0

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#44

Trichloroethene

Concen: 20.245 ug/l

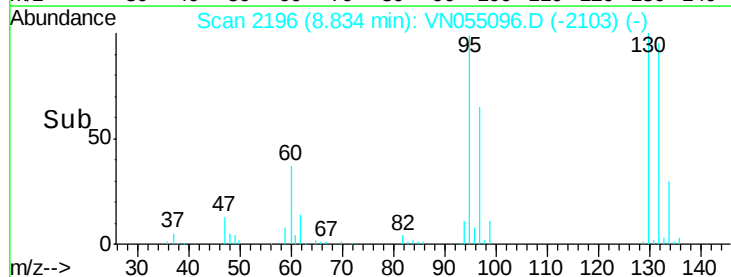
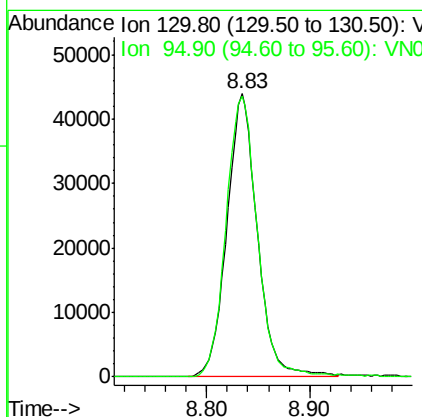
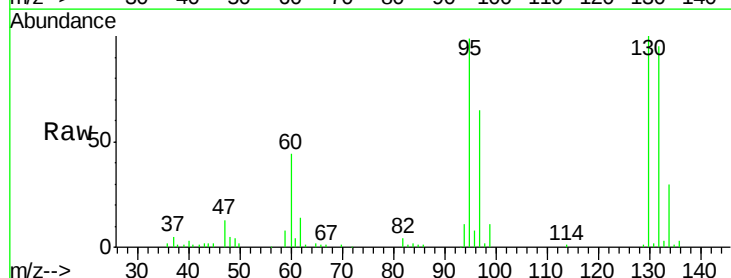
RT: 8.83 min Scan# 2196

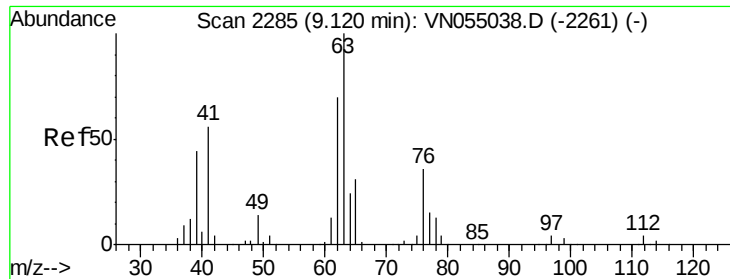
Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Tgt Ion:	130	Resp:	90341
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	201.6





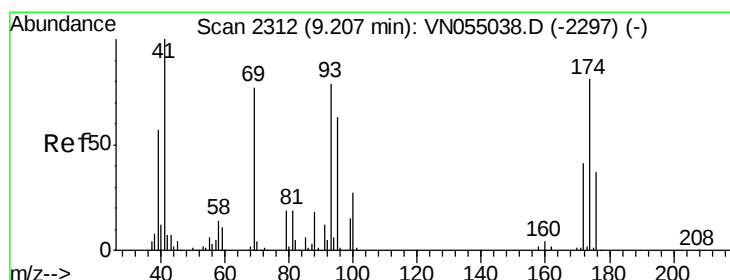
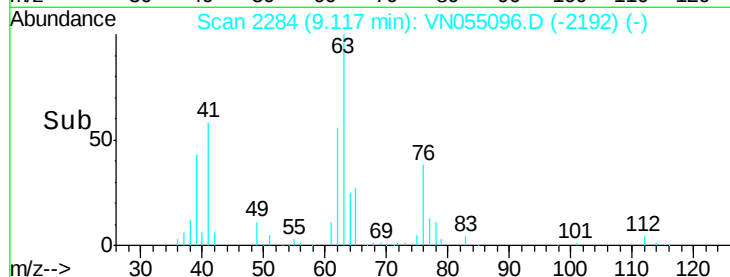
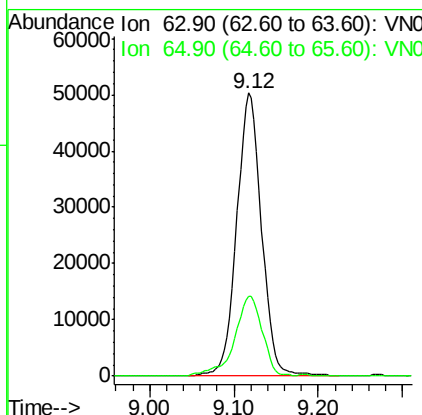
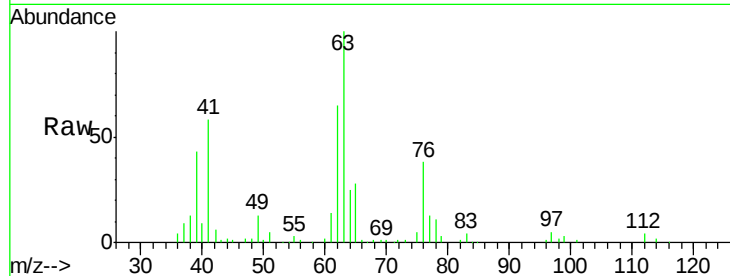
#45
 1,2-Dichloropropane
 Concen: 20.865 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion: 63 Resp: 103669
 Ion Ratio Lower Upper
 63 100
 65 28.4 24.4 36.6

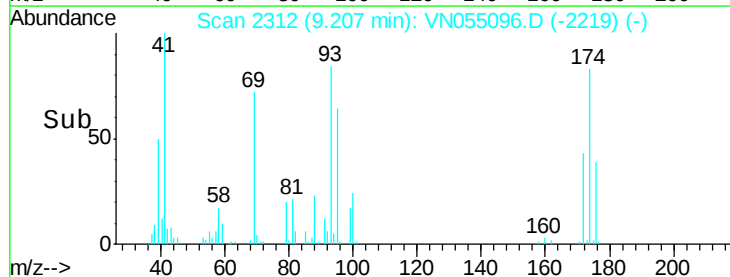
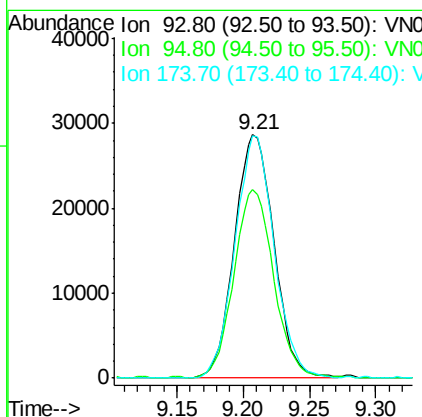
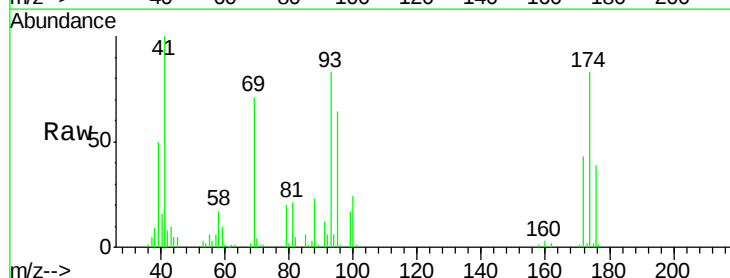
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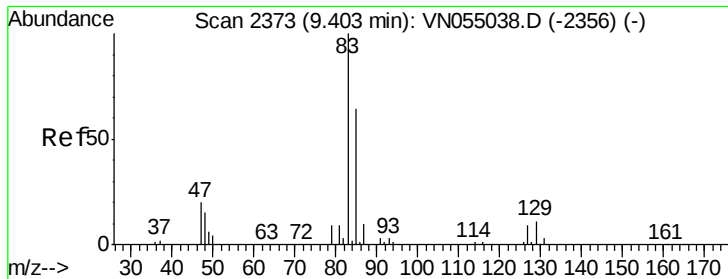
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#46
 Dibromomethane
 Concen: 21.056 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Tgt Ion: 93 Resp: 59547
 Ion Ratio Lower Upper
 93 100
 95 78.0 65.0 97.6
 174 98.6 81.0 121.6





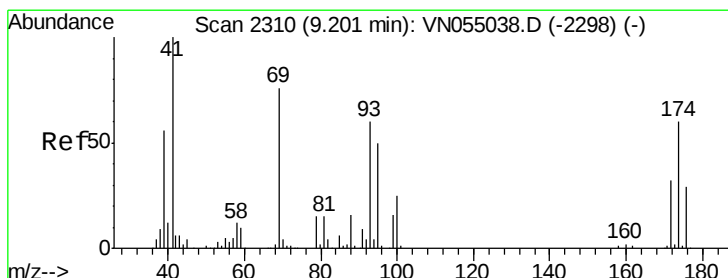
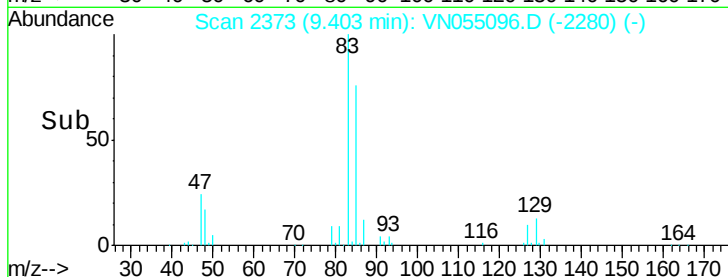
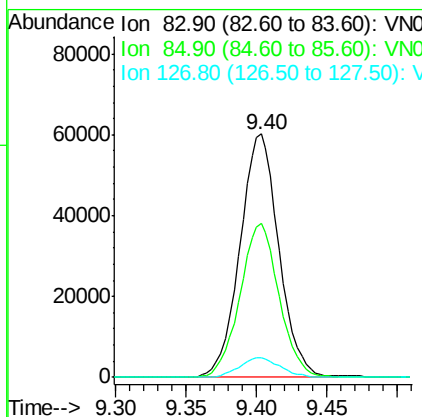
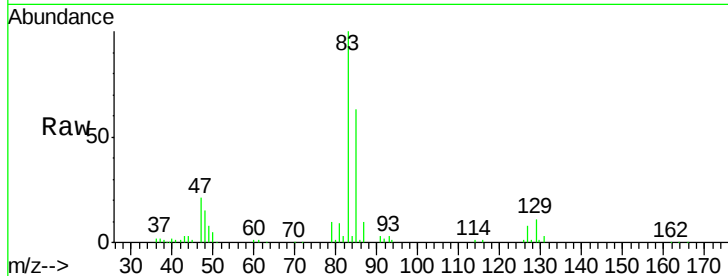
#47
Bromodichloromethane
Concen: 19.879 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	83	Resp	115909
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	51.2	76.8
127	8.0	6.8	10.2

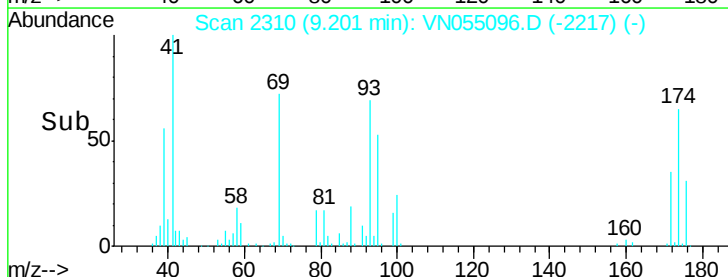
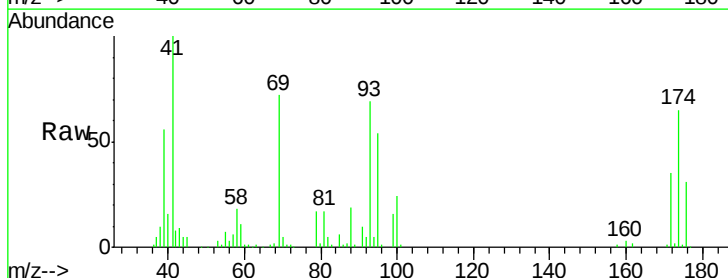
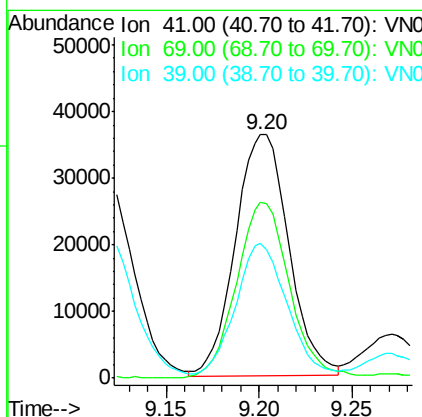
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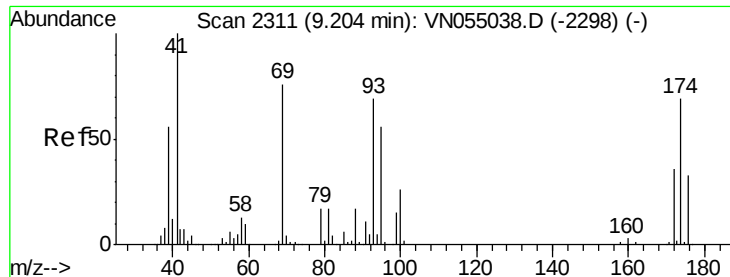
MMDadoda
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#48
Methyl methacrylate
Concen: 19.758 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion	41	Resp	72620
Ion Ratio	100	Lower	Upper
41	100		
69	72.3	60.5	90.7
39	52.6	43.9	65.9





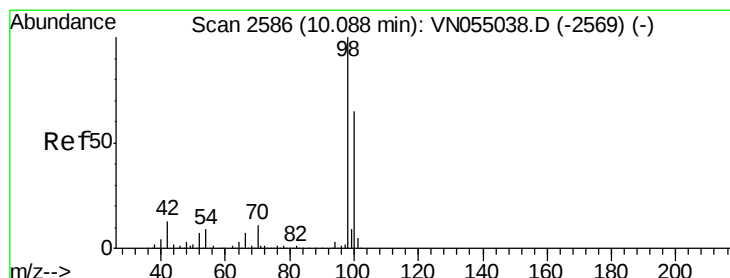
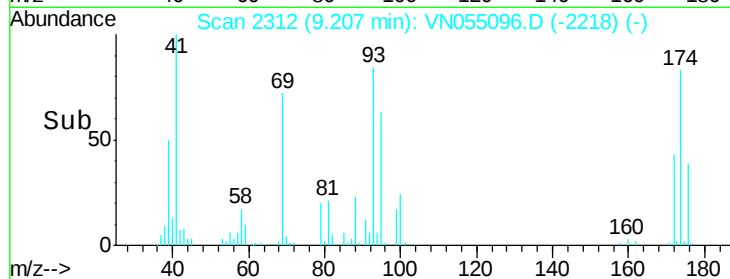
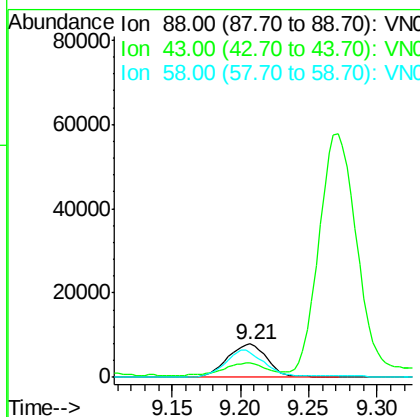
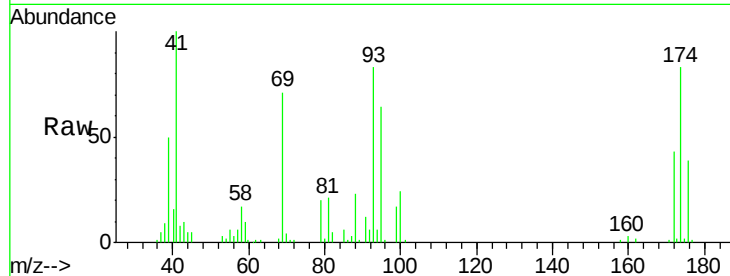
#49
1,4-Dioxane
Concen: 471.384 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.4	31.8	47.8
58	79.4	61.6	92.4

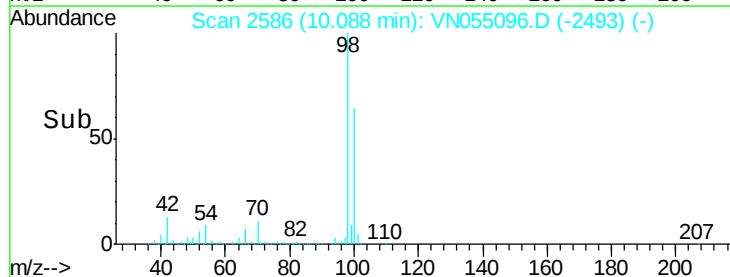
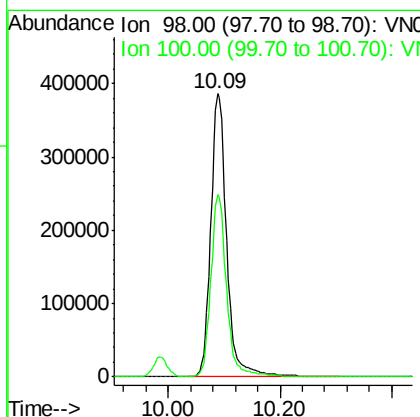
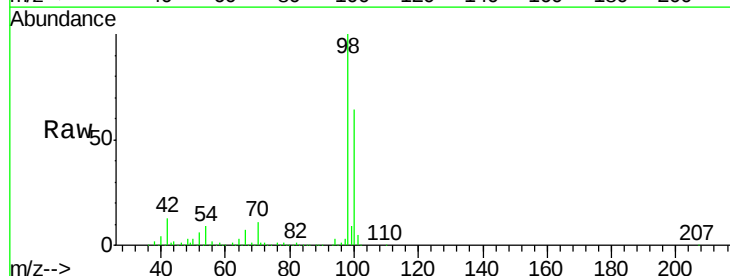
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#50
Toluene-d8
Concen: 50.940 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7





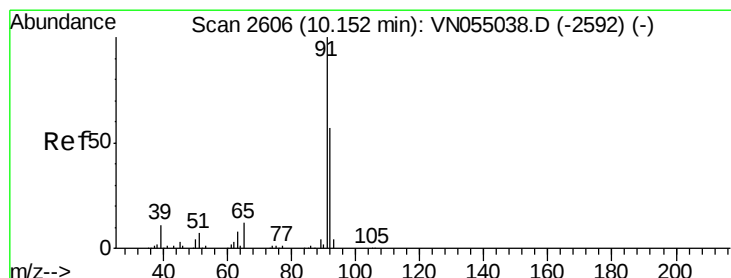
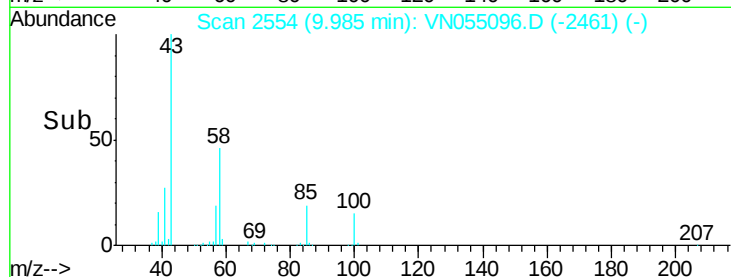
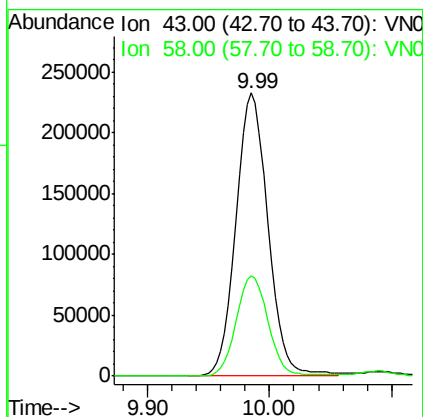
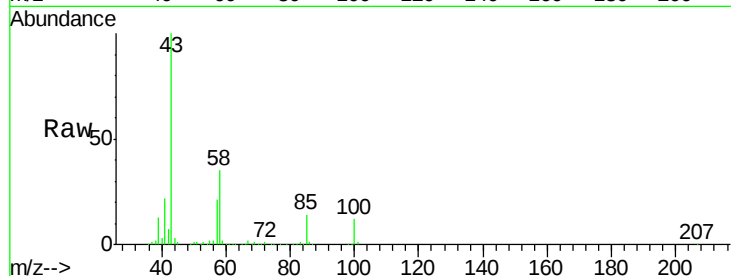
#51
4-Methyl-2-Pentanone
Concen: 98.267 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	43	Resp	420978
Ion Ratio	43	100	
Lower	58	35.6	29.0
Upper			43.4

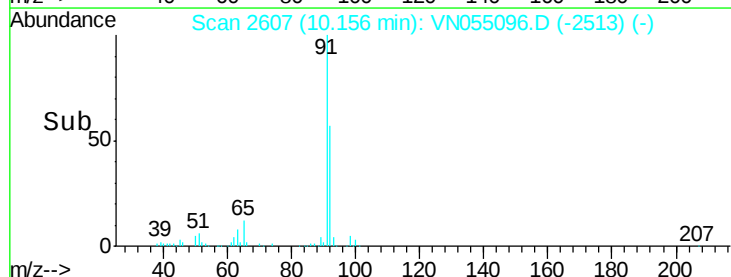
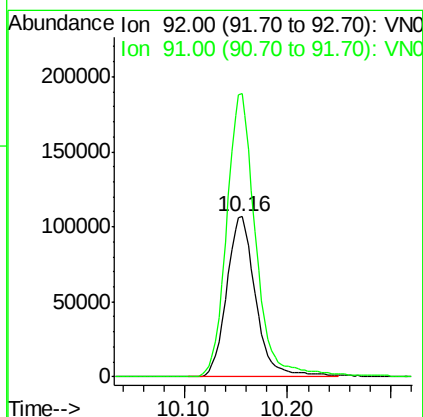
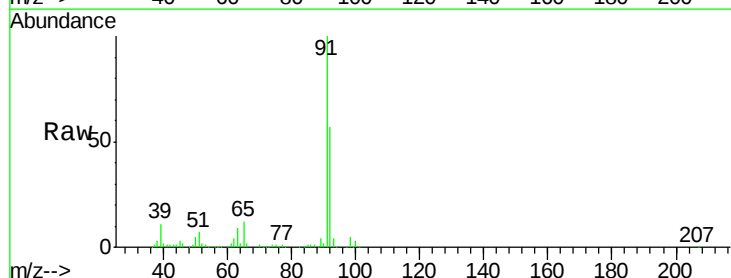
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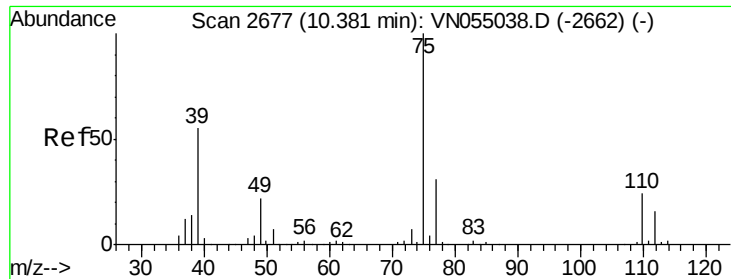
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#52
Toluene
Concen: 20.631 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion	92	Resp	210512
Ion Ratio	92	100	
Lower	91	176.9	140.8
Upper			211.2





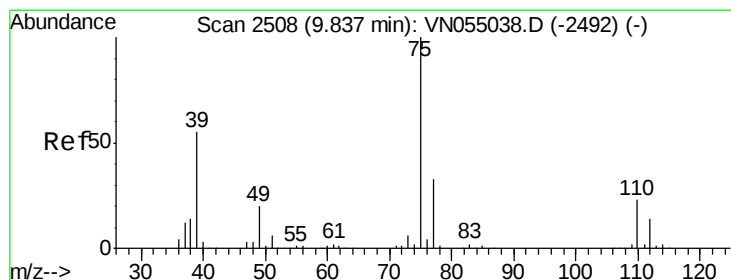
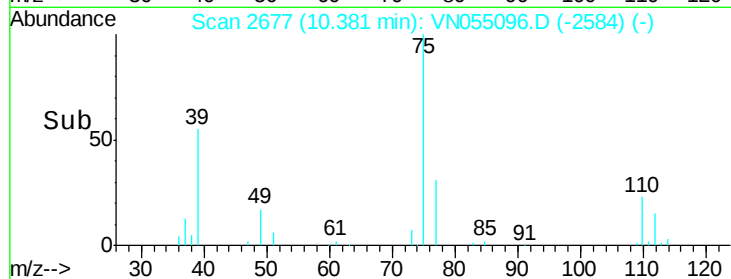
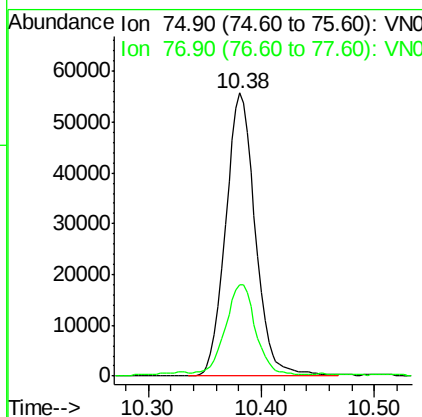
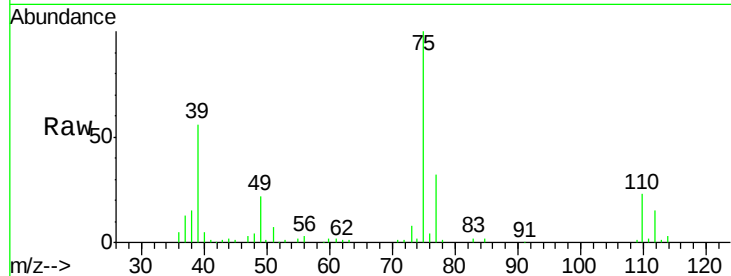
#53
 t-1,3-Dichloropropene
 Concen: 19.940 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion: 75 Resp: 101607
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 37.0

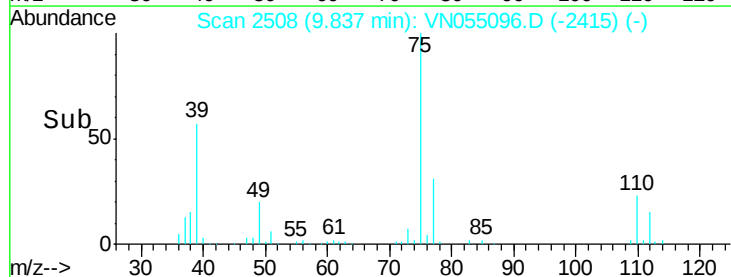
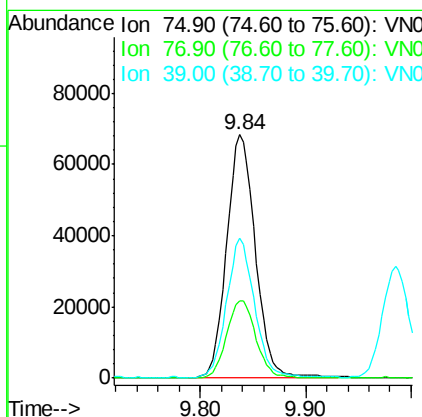
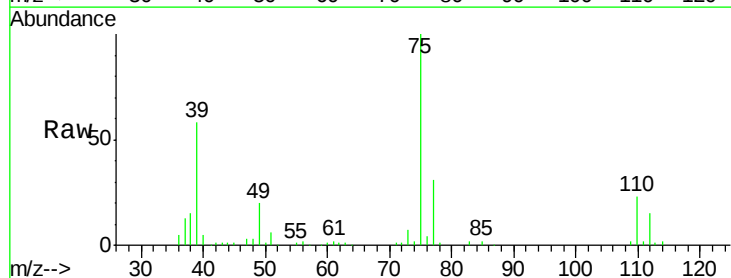
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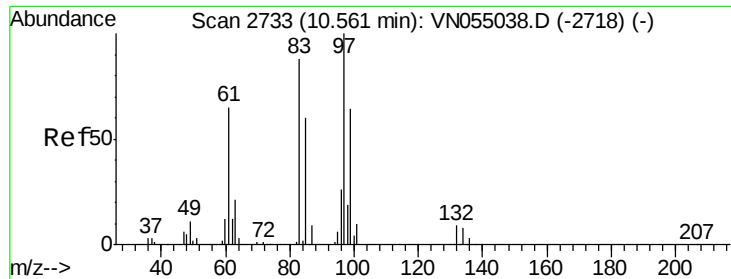
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#54
 cis-1,3-Dichloropropene
 Concen: 20.401 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Tgt Ion: 75 Resp: 129018
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.6
 39 57.6 43.8 65.8





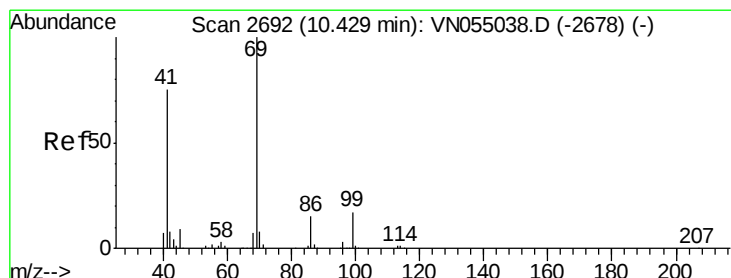
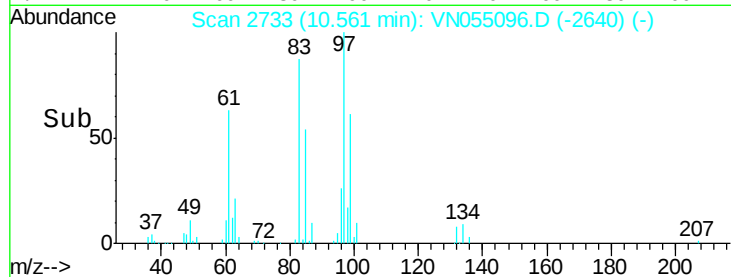
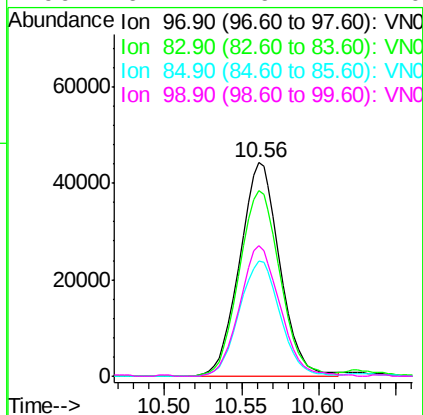
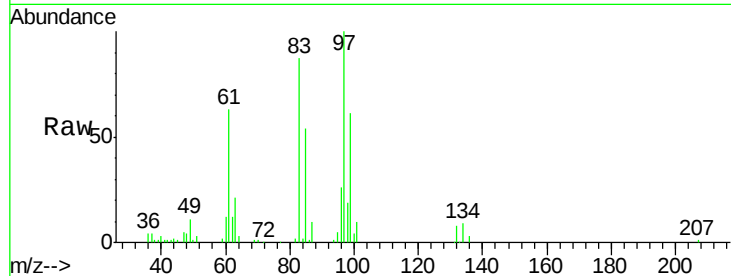
#55
 1,1,2-Trichloroethane
 Concen: 20.314 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion:	97	Resp:	79862
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.5	105.7
85	53.7	45.5	68.3
99	61.1	49.4	74.0

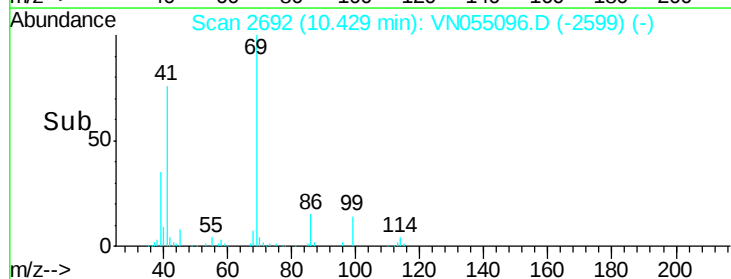
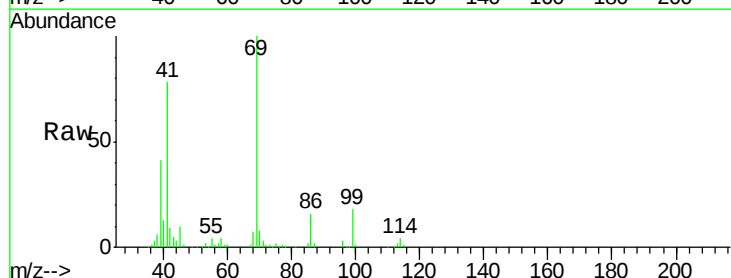
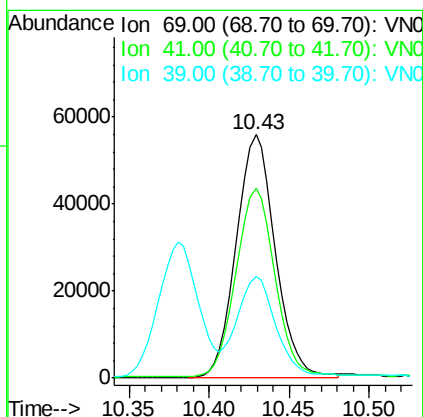
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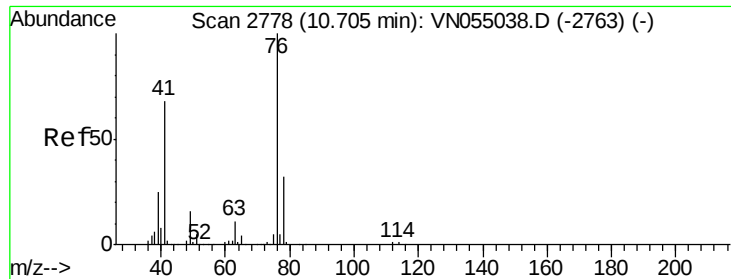
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#56
 Ethyl methacrylate
 Concen: 19.768 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Tgt Ion:	69	Resp:	93268
Ion	Ratio	Lower	Upper
69	100		
41	77.1	61.4	92.0
39	40.2	30.8	46.2





#57

1,3-Dichloropropane

Concen: 20.132 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion: 76 Resp: 134751

Ion Ratio Lower Upper

76 100

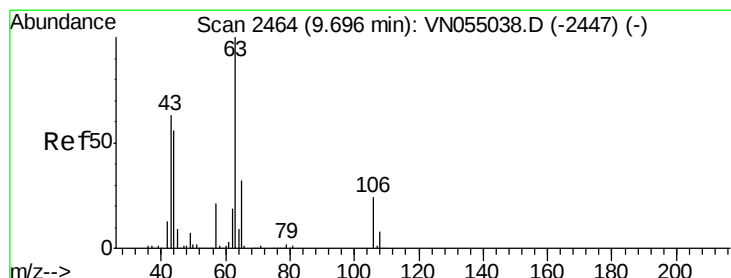
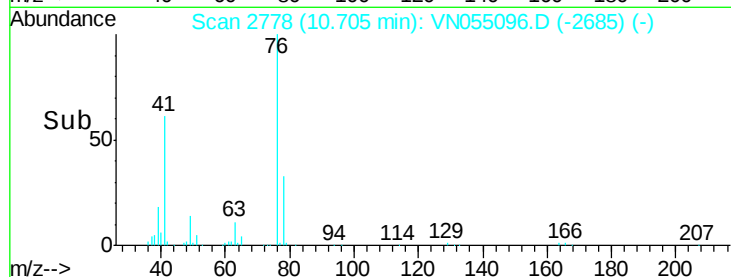
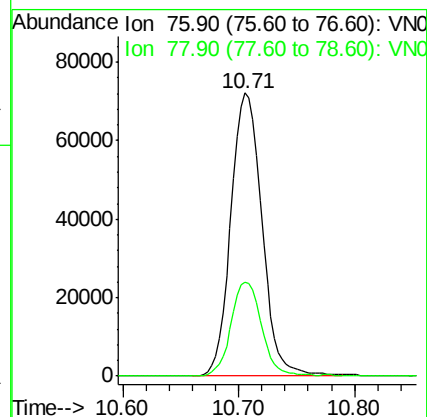
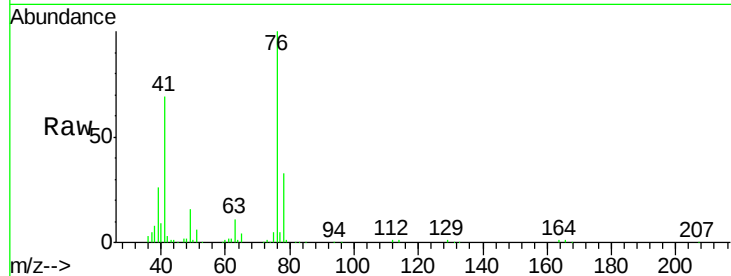
78 32.7 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 91.067 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055096.D

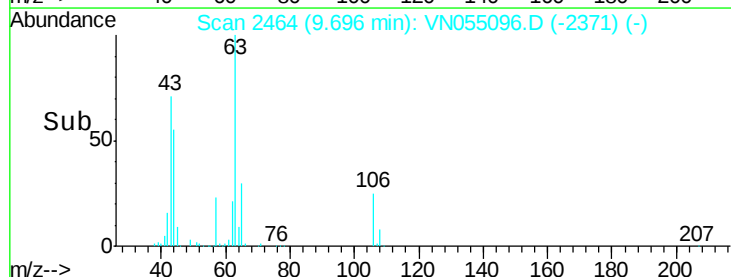
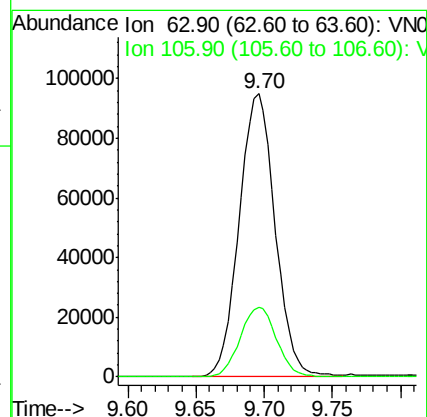
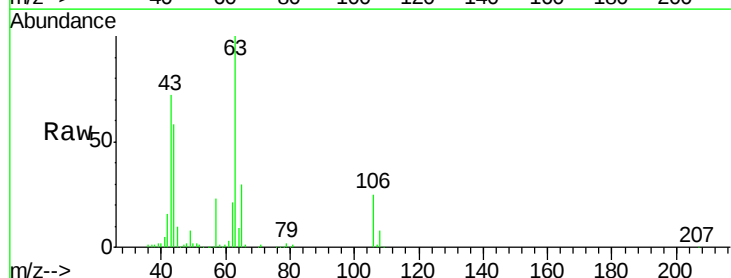
Acq: 17 Apr 2019 10:53

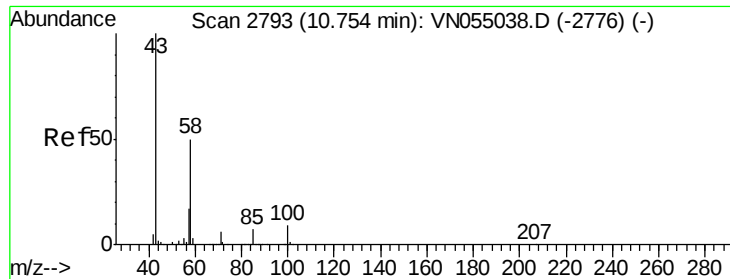
Tgt Ion: 63 Resp: 173936

Ion Ratio Lower Upper

63 100

106 24.9 20.0 30.0





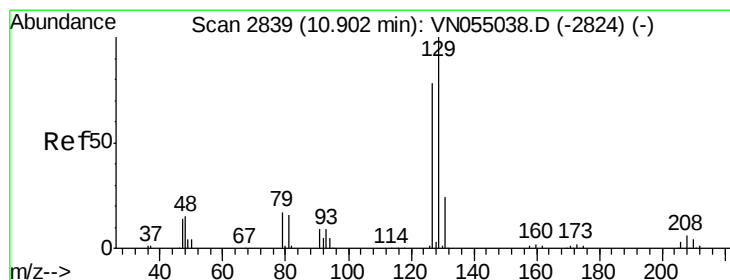
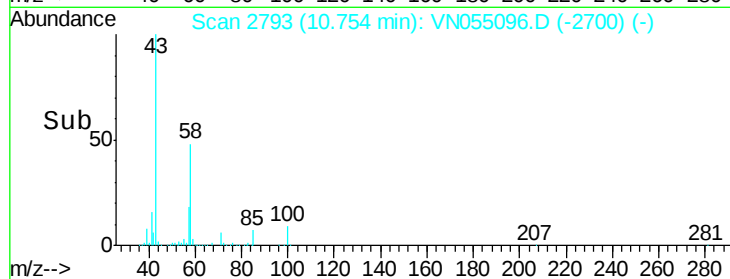
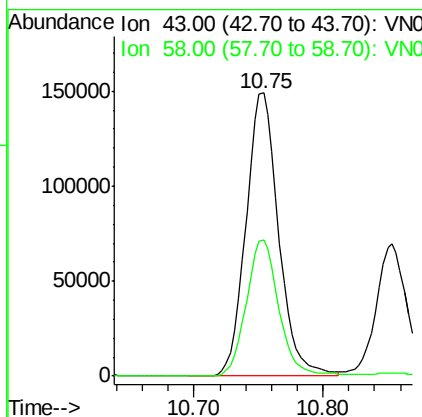
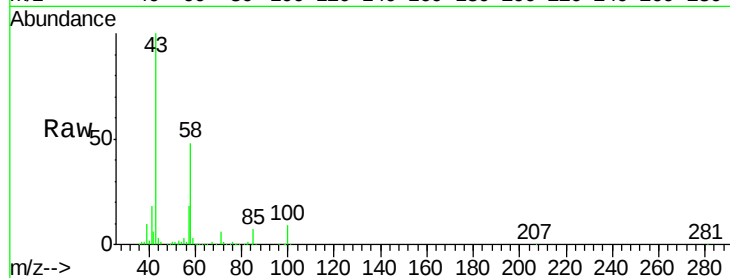
#59
2-Hexanone
Concen: 97.172 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion: 43 Resp: 261468
Ion Ratio Lower Upper
43 100
58 48.5 25.1 75.2

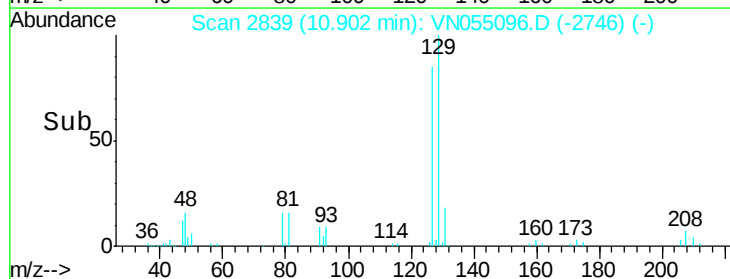
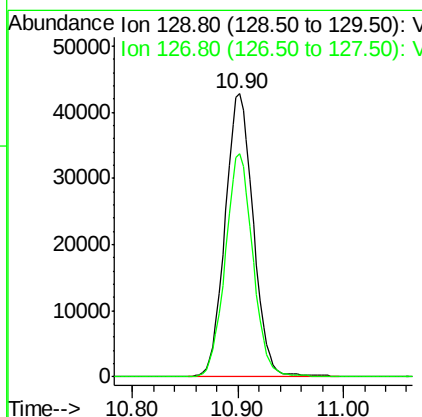
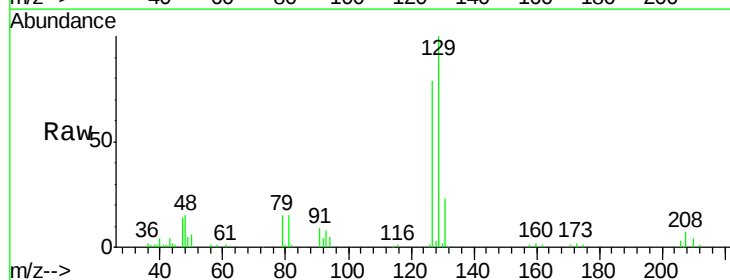
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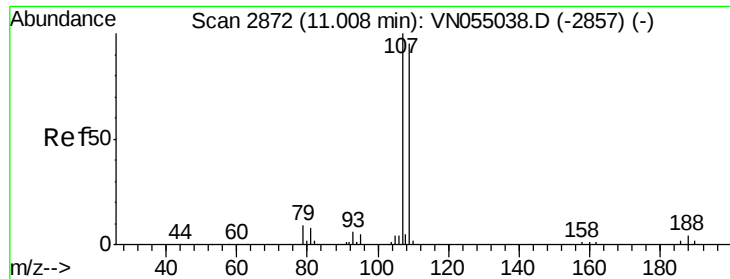
MMDadoda
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#60
Dibromochloromethane
Concen: 20.580 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion: 129 Resp: 79004
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6





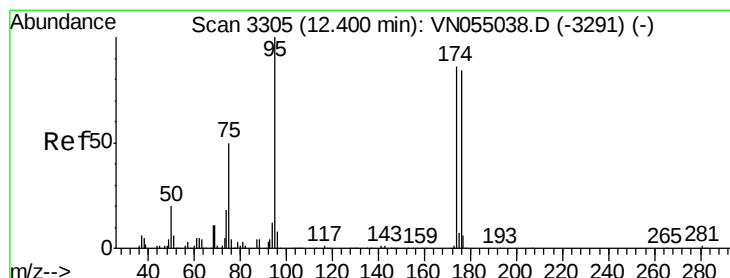
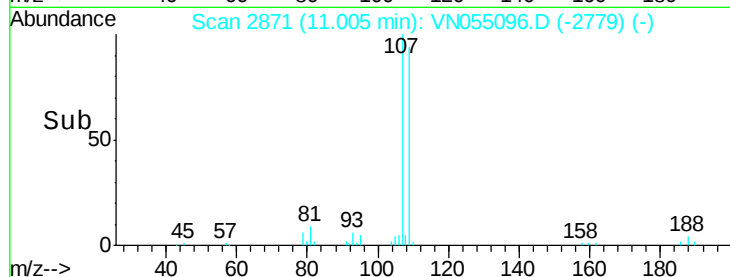
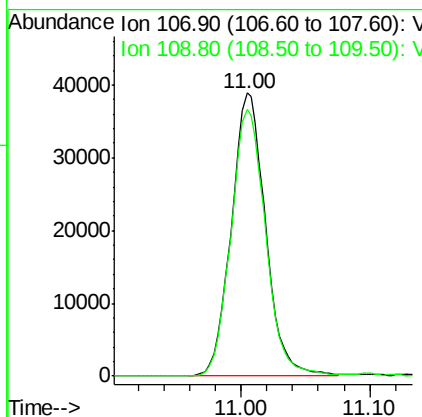
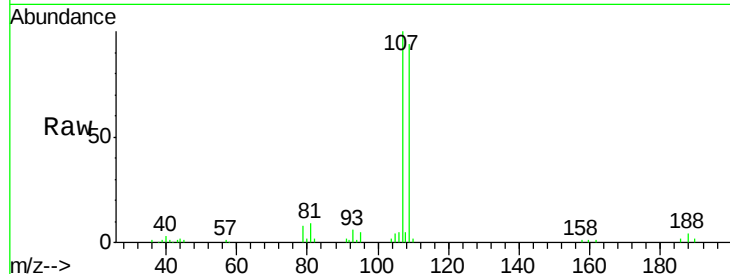
#61
 1,2-Dibromoethane
 Concen: 19.757 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion: 107 Resp: 71489
 Ion Ratio Lower Upper
 107 100
 109 95.9 76.5 114.7

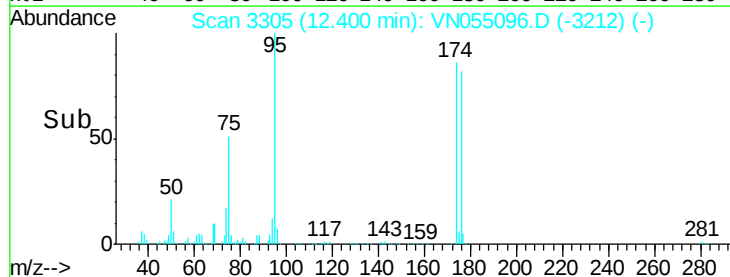
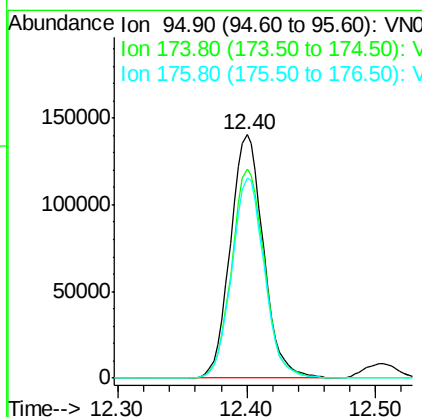
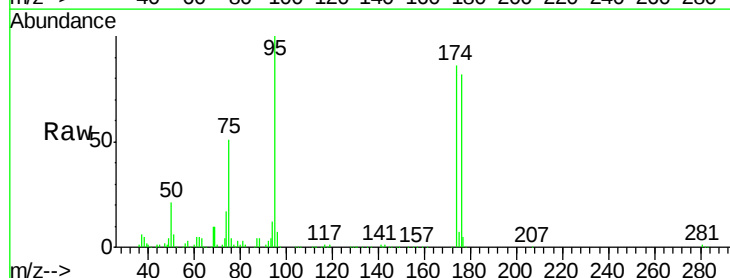
Manual Integrations
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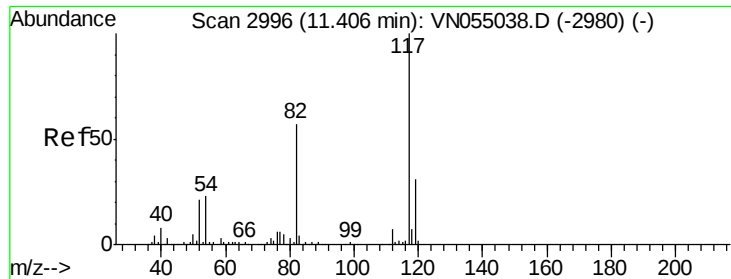
MMDadoda
 4/19/2019 12:21:23 PM



#62
 4-Bromofluorobenzene
 Concen: 51.160 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Tgt Ion: 95 Resp: 249462
 Ion Ratio Lower Upper
 95 100
 174 85.5 0.0 174.4
 176 81.4 0.0 166.8





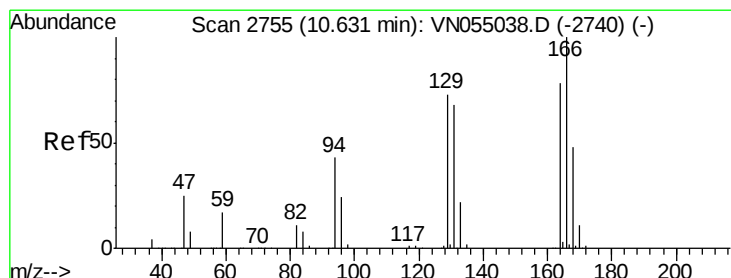
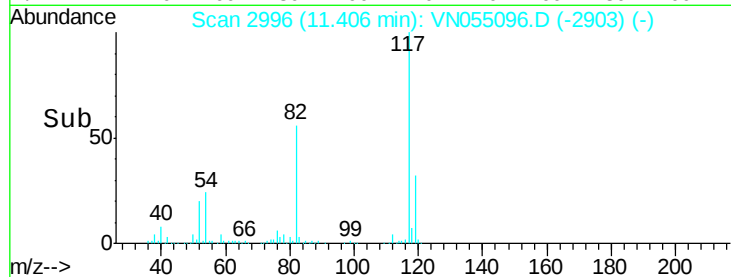
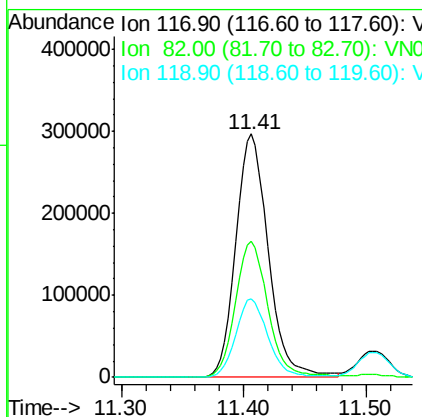
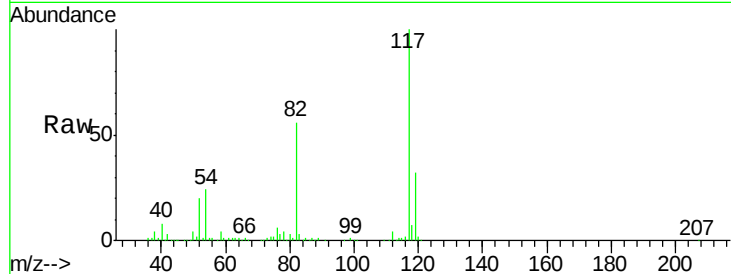
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	545982		
82	56.0		44.6	66.8
119	32.5		25.5	38.3

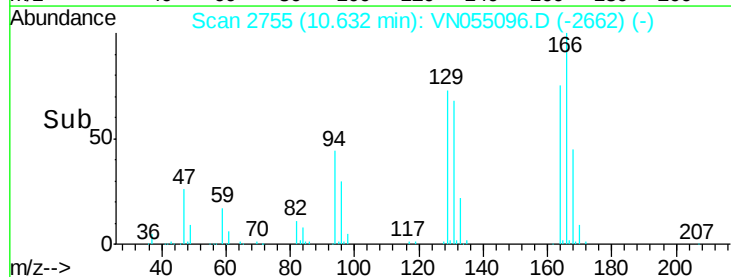
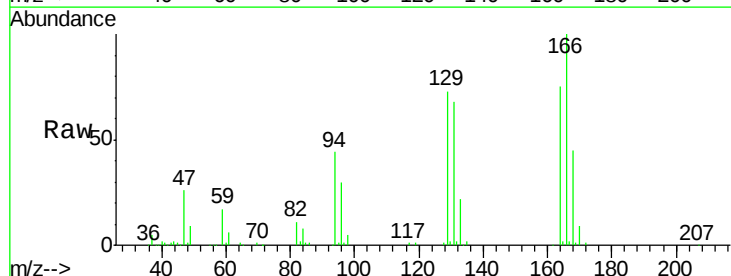
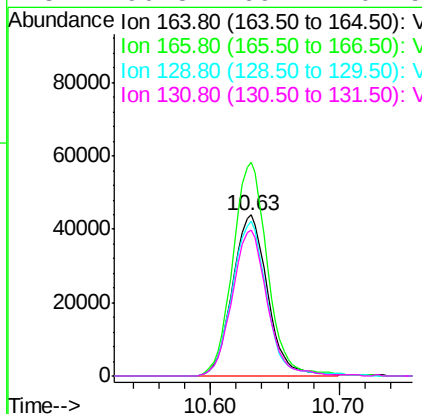
Manual Integrations
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#64
Tetrachloroethene
Concen: 18.761 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83292		
166	132.8		100.0	150.0
129	96.3		72.0	108.0
131	90.8		69.7	104.5





#65

Chlorobenzene

Concen: 19.955 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

ClientSampled :

VN0417WBS01

Tot Ion:112 Resp: 219312

Ion Ratio Lower Upper

112 100

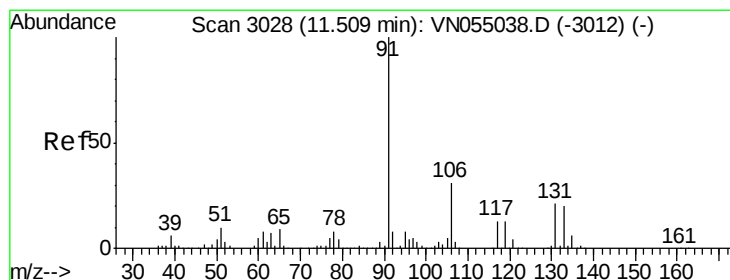
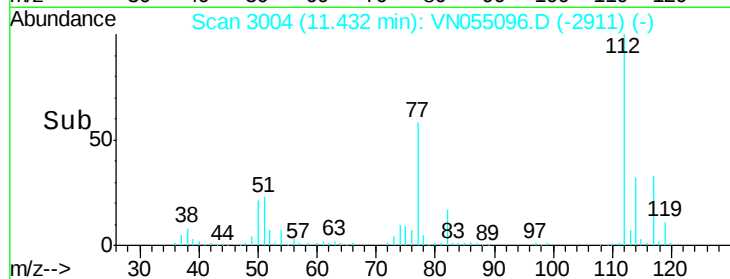
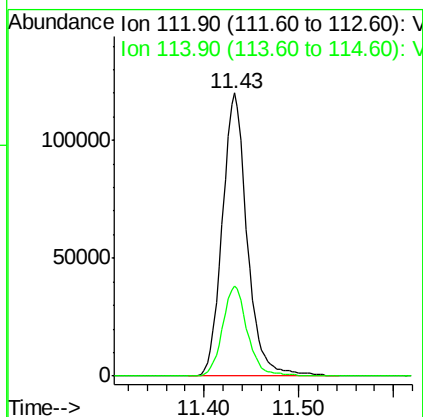
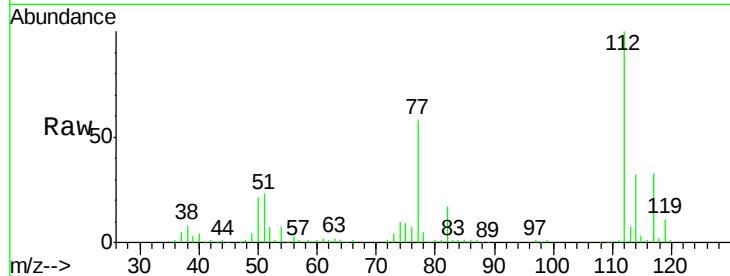
114 31.8 25.3 37.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.238 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

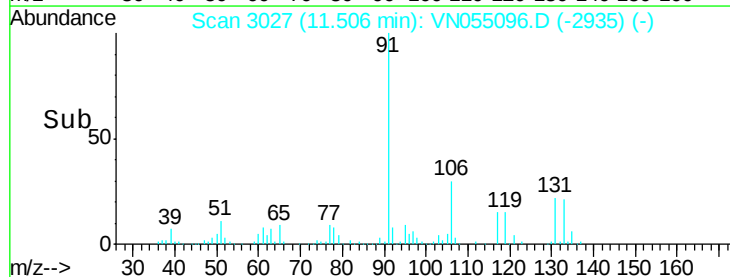
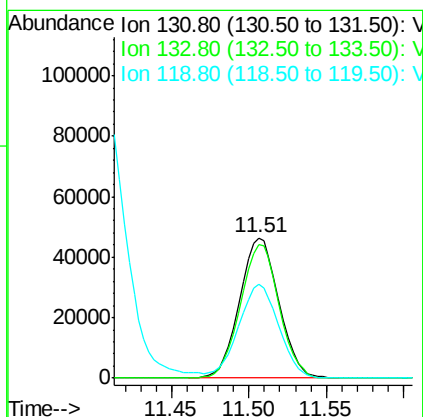
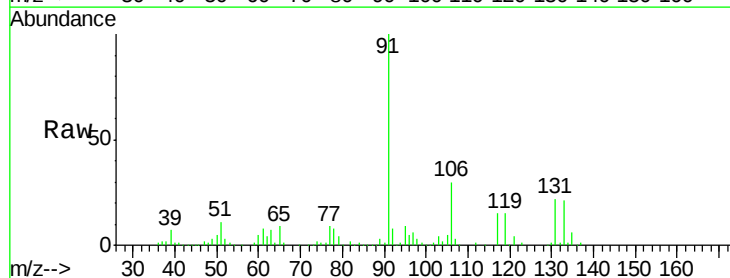
Tgt Ion:131 Resp: 81805

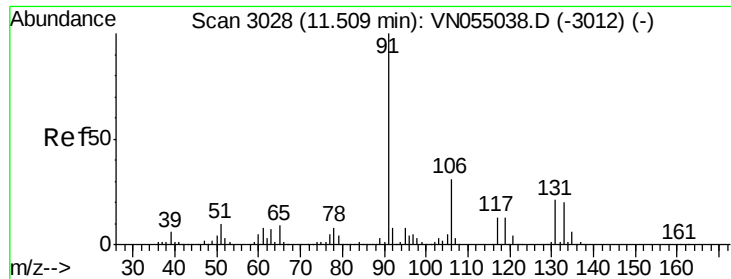
Ion Ratio Lower Upper

131 100

133 94.1 47.8 143.3

119 68.3 33.6 100.6





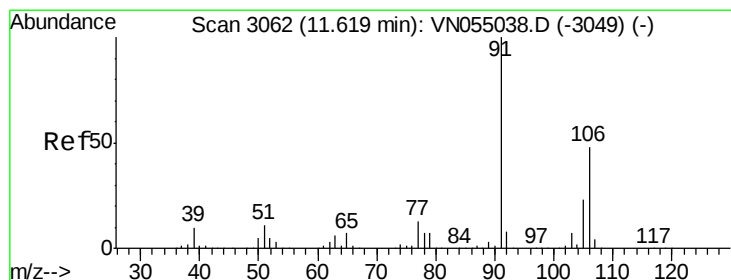
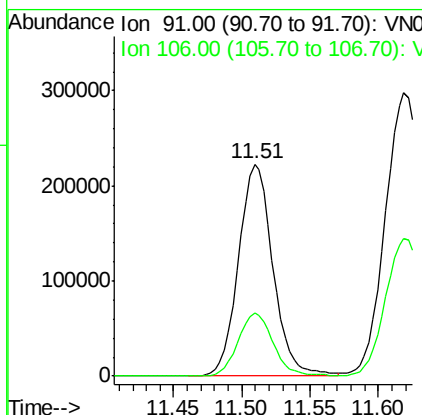
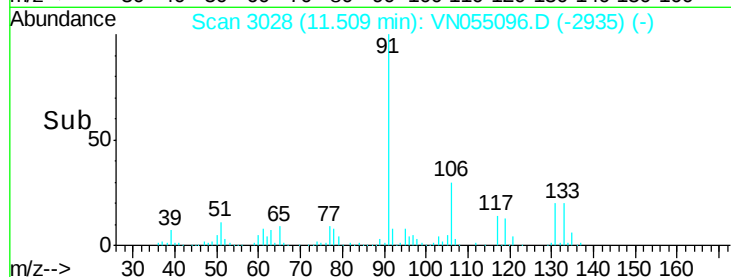
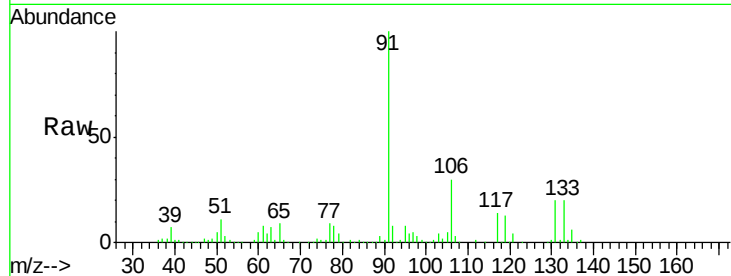
#67
Ethyl Benzene
Concen: 19.972 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion: 91 Resp: 391972
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5

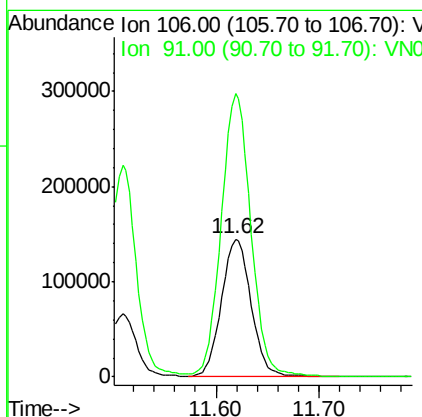
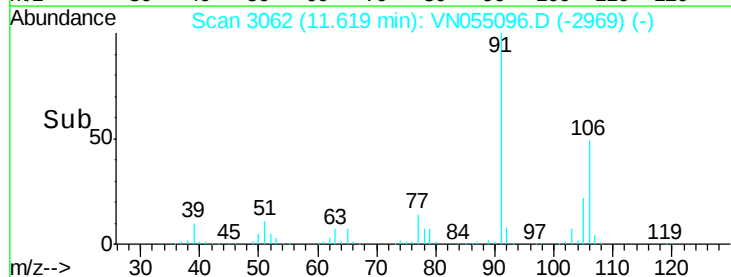
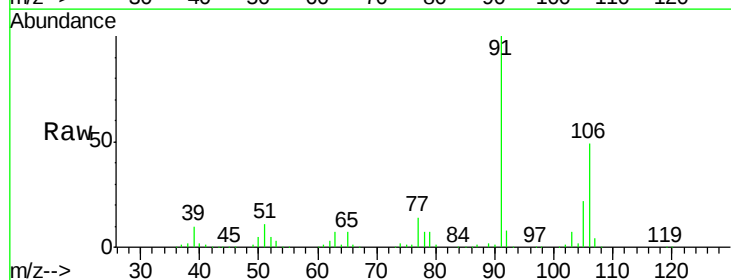
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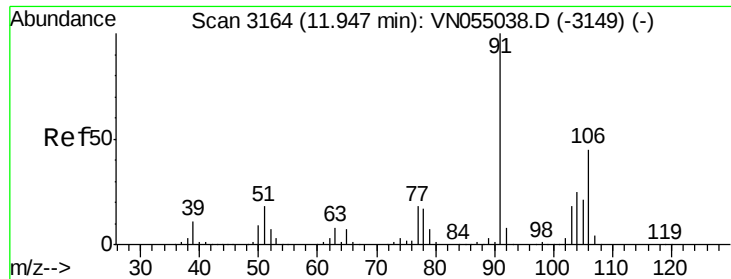
MMDadoda
4/19/2019 12:21:23 PM



#68
m/p-Xylenes
Concen: 40.967 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion: 106 Resp: 291149
Ion Ratio Lower Upper
106 100
91 205.3 165.9 248.9





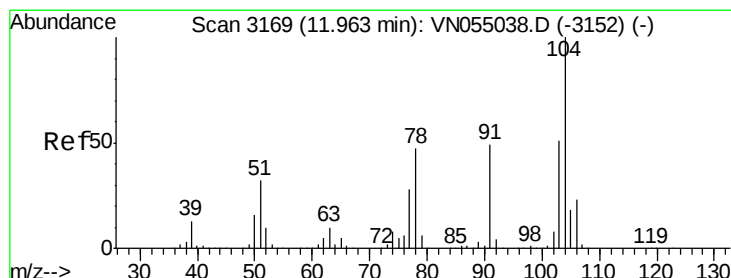
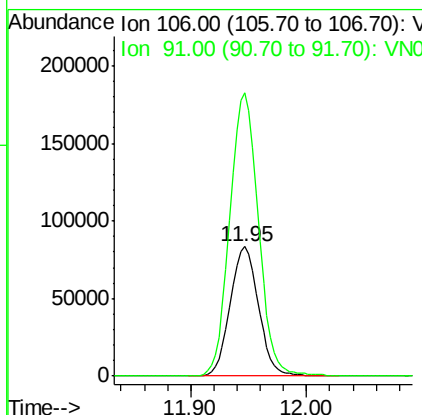
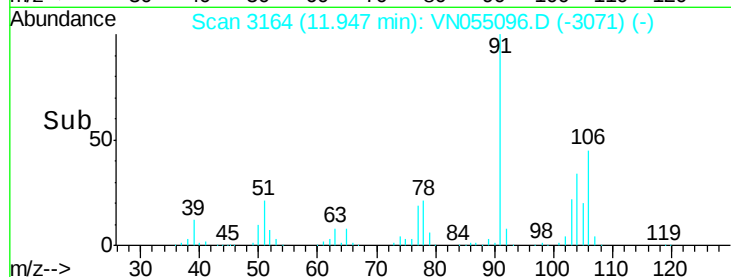
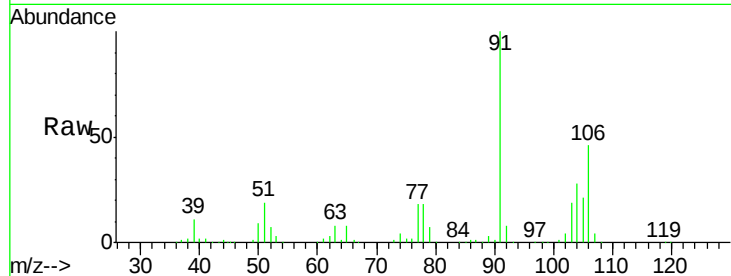
#69
o-Xylene
Concen: 20.454 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampled :
VN0417WBS01

Tot Ion:106 Resp: 140795
Ion Ratio Lower Upper
106 100
91 221.4 109.9 329.8

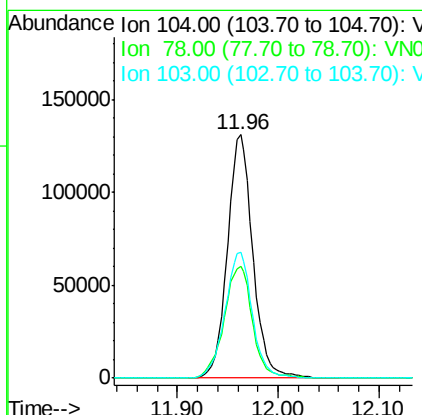
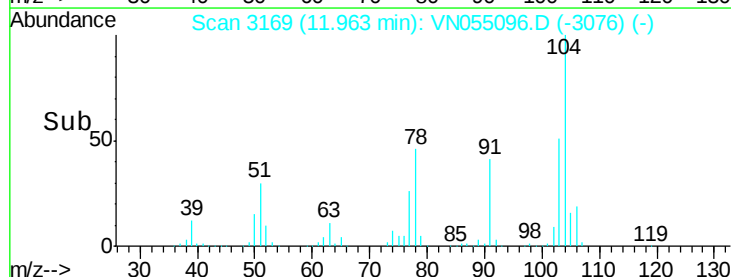
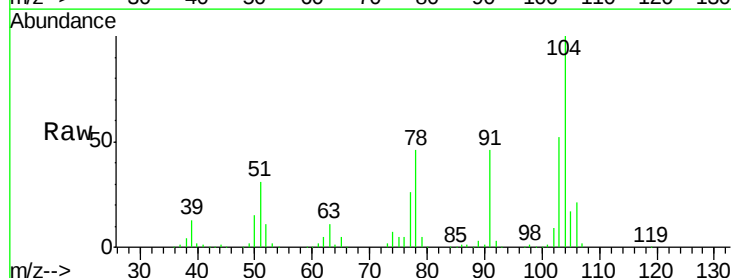
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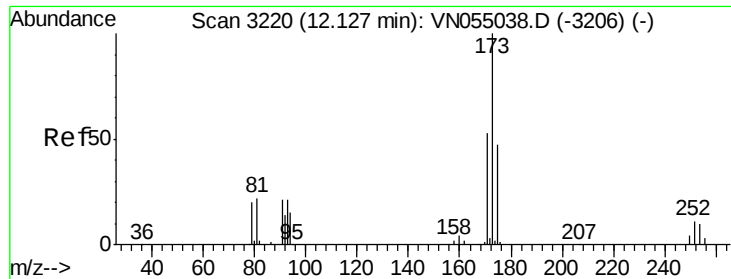
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#70
Styrene
Concen: 20.702 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion:104 Resp: 230668
Ion Ratio Lower Upper
104 100
78 51.4 40.3 60.5
103 55.5 44.3 66.5





#71

Bromoform

Concen: 20.286 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion:173 Resp: 47001

Ion Ratio Lower Upper

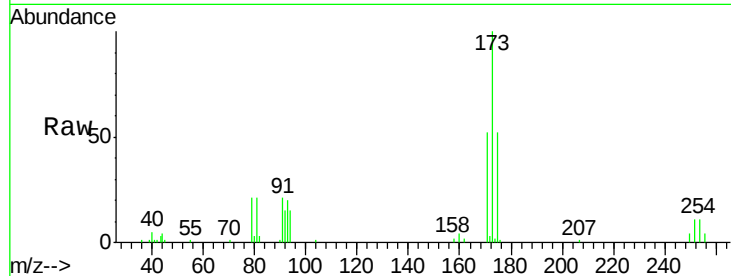
173 100

175 49.7 24.3 73.0

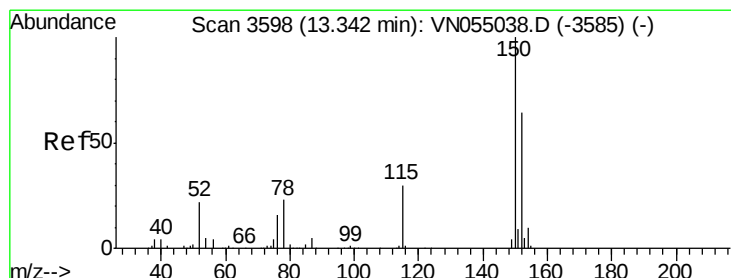
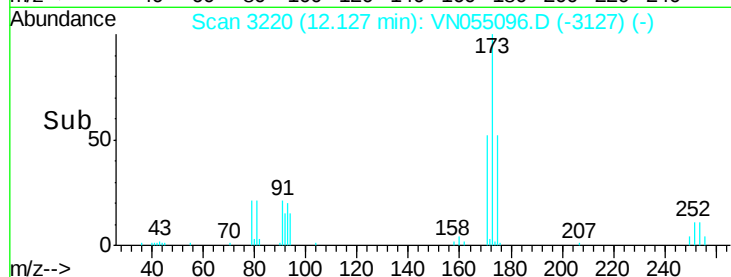
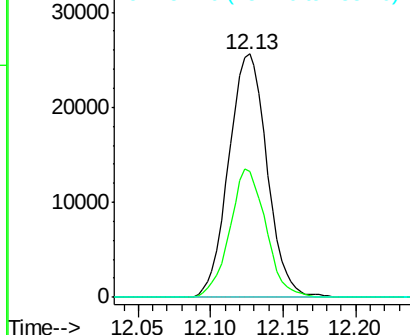
254 0.0 0.1 0.1#

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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: VN055096.D

Acq: 17 Apr 2019 10:53

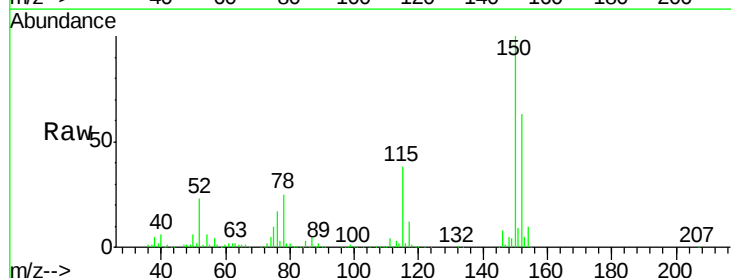
Tgt Ion:152 Resp: 215919

Ion Ratio Lower Upper

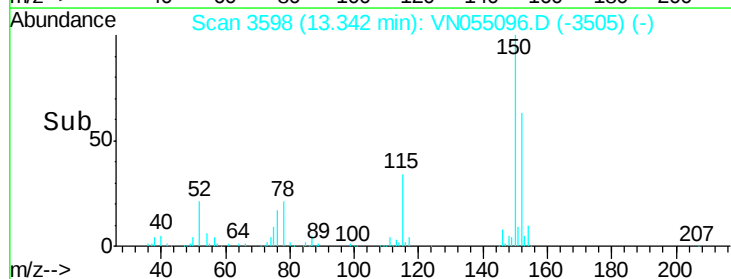
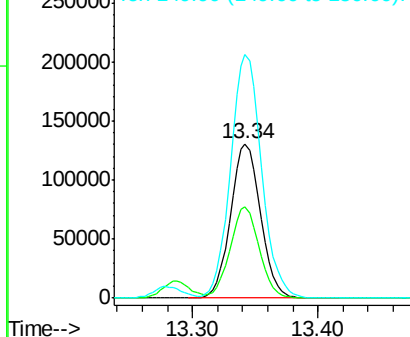
152 100

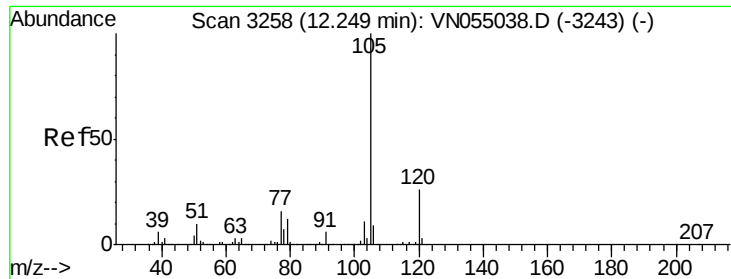
115 57.9 28.5 85.6

150 164.0 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





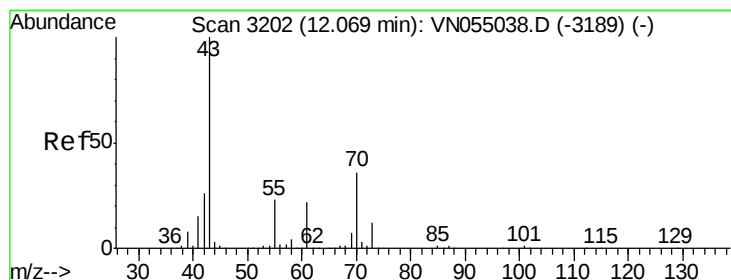
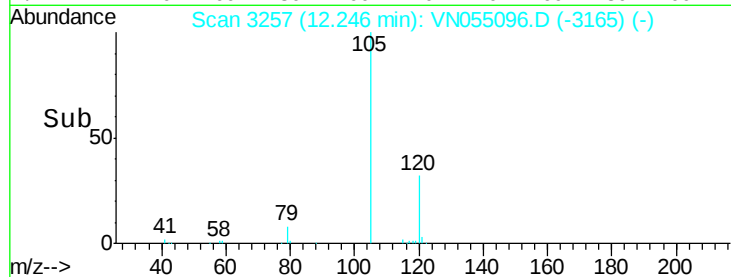
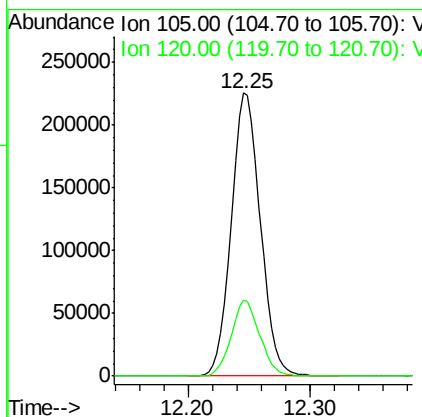
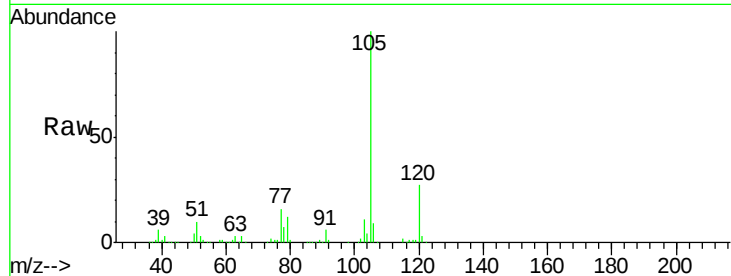
#73
Isopropylbenzene
Concen: 19.562 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.9

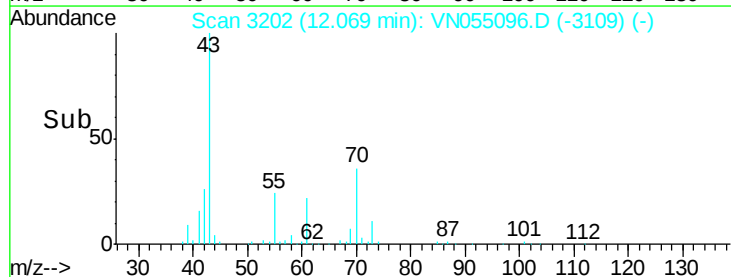
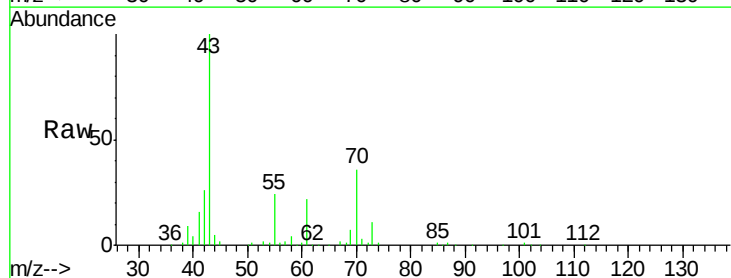
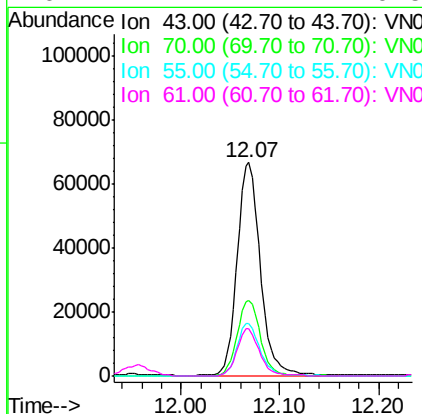
Manual Integrations
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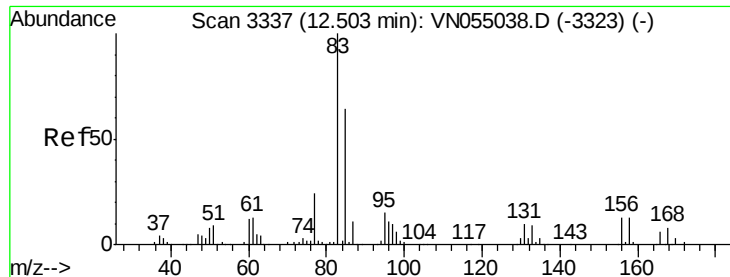
MMDadoda
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#74
N-ethyl acetate
Concen: 20.079 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.9	29.4	44.0
55	24.3	19.0	28.4
61	21.7	17.7	26.5





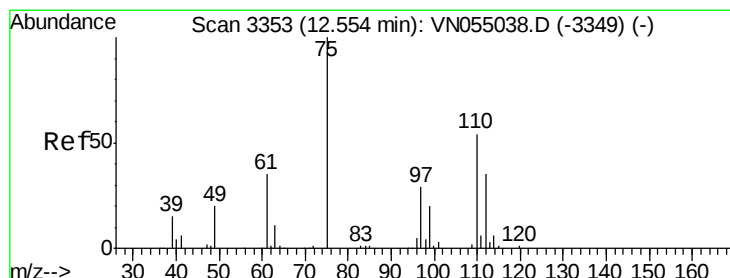
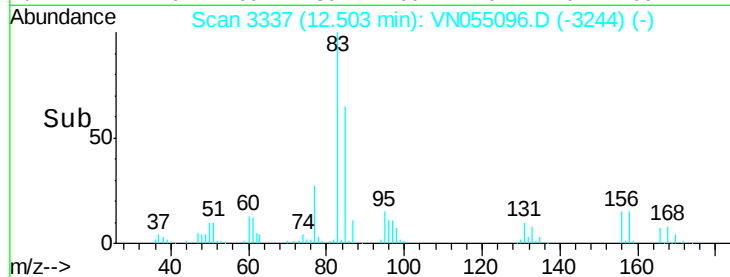
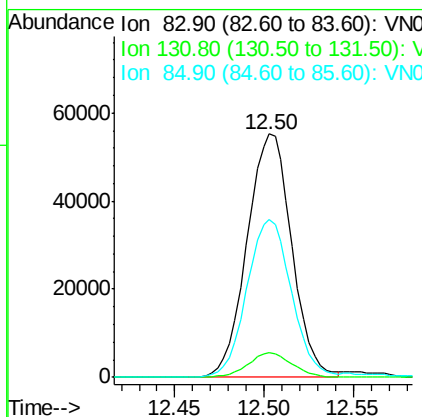
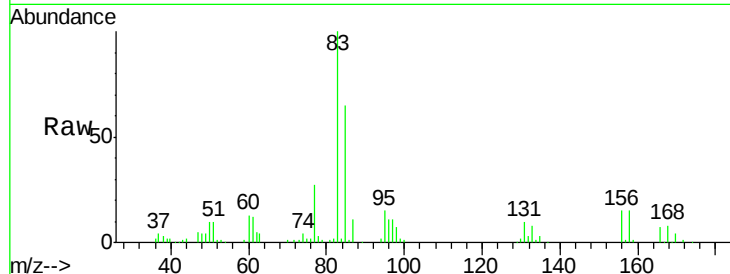
#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.852 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.8	5.0	15.0	
85	64.5	32.3	96.9	

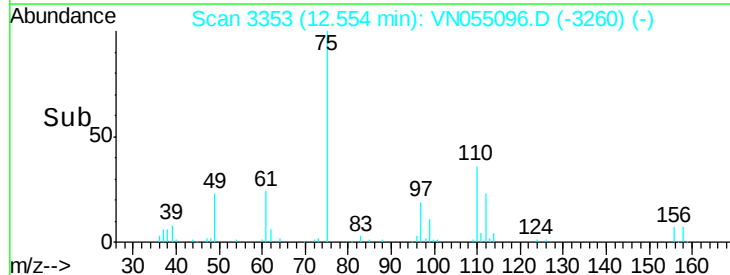
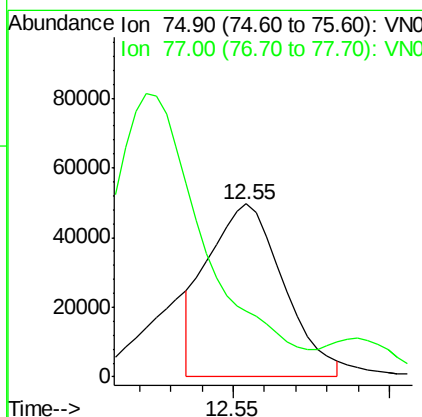
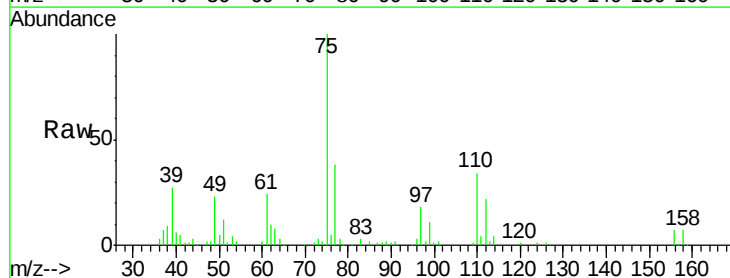
Manual Integrations
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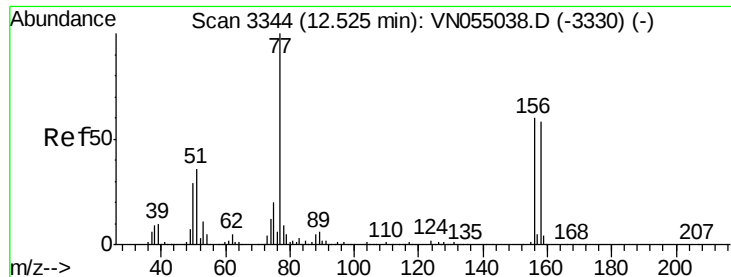
MMDadoda
 4/19/2019 12:21:23 PM



#76
 1,2,3-Trichloropropane
 Concen: 21.418 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

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





#77

Bromobenzene

Concen: 18.945 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

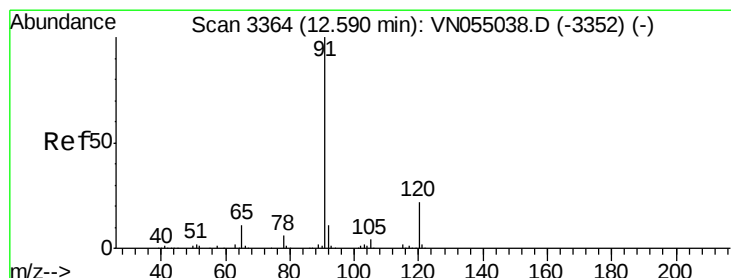
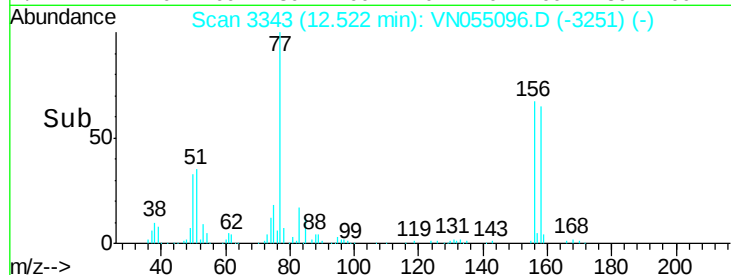
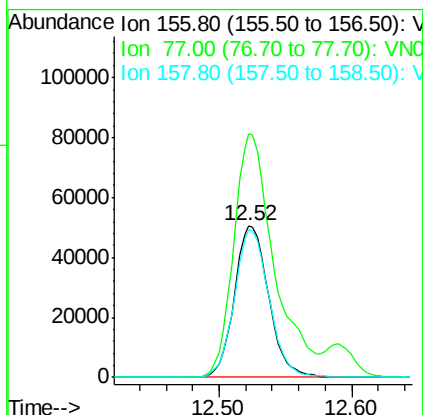
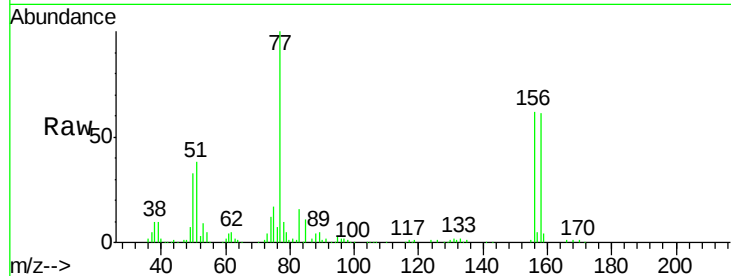
ClientSampled :

VN0417WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		90496		
77	190.0	97.2	291.5		
158	98.3	48.6	145.9		

Manual Integrations
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#78

n-propylbenzene

Concen: 19.886 ug/l

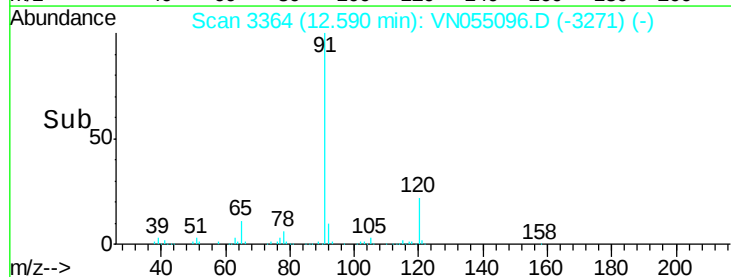
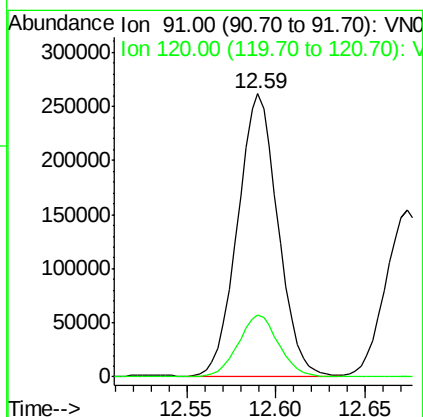
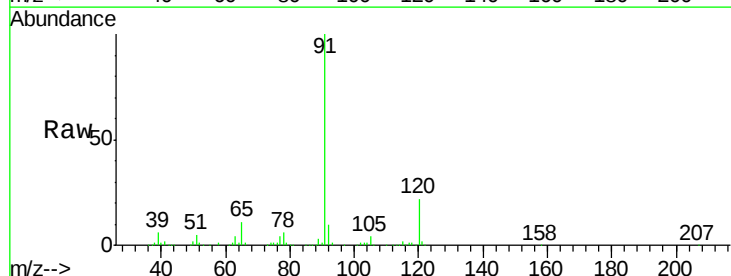
RT: 12.59 min Scan# 3364

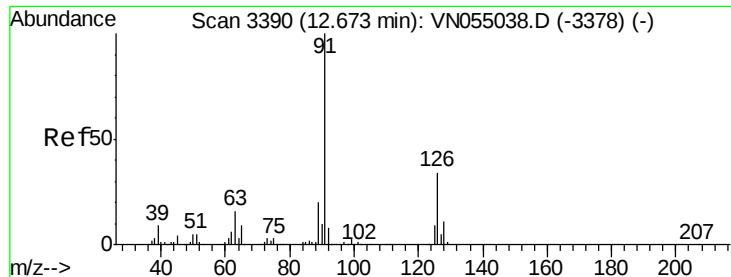
Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		411652		
120	22.1	11.2	33.5		





#79

2-Chlorotoluene

Concen: 19.783 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion: 91 Resp: 255433

Ion Ratio Lower Upper

91 100

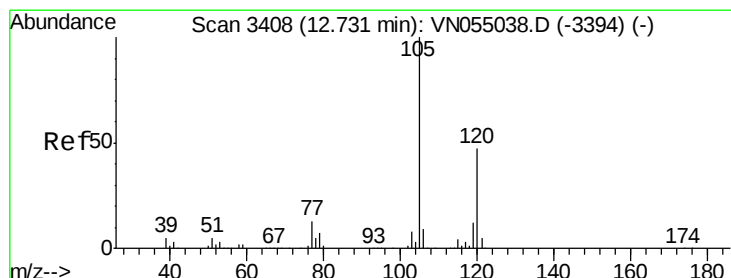
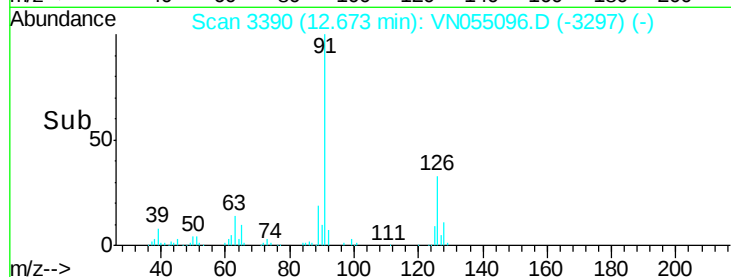
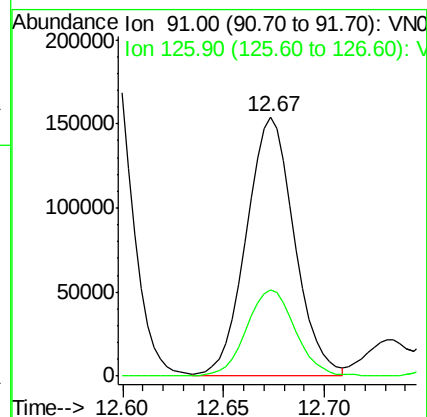
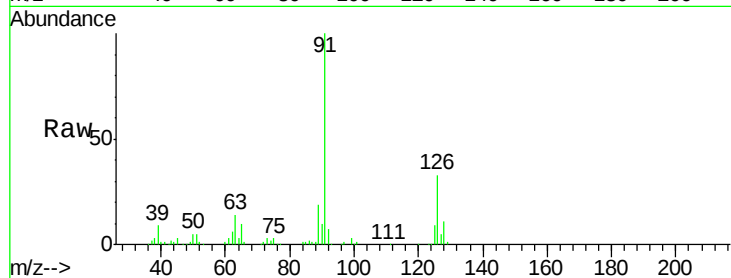
126 34.1 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.913 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055096.D

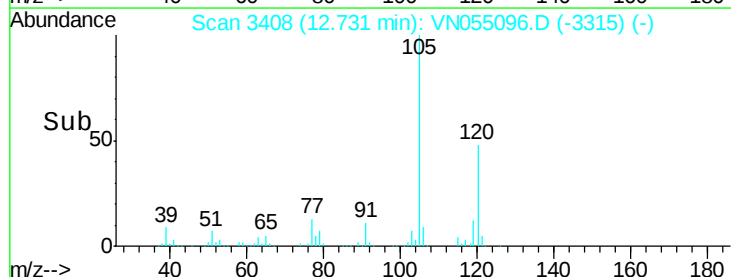
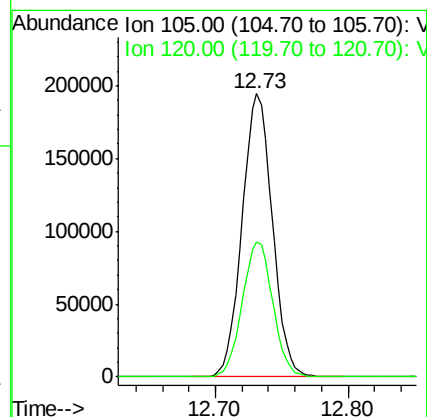
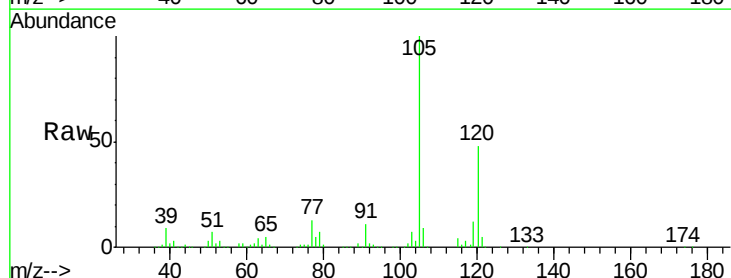
Acq: 17 Apr 2019 10:53

Tgt Ion: 105 Resp: 307901

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8





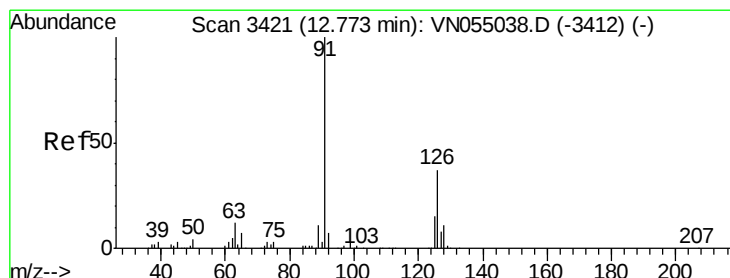
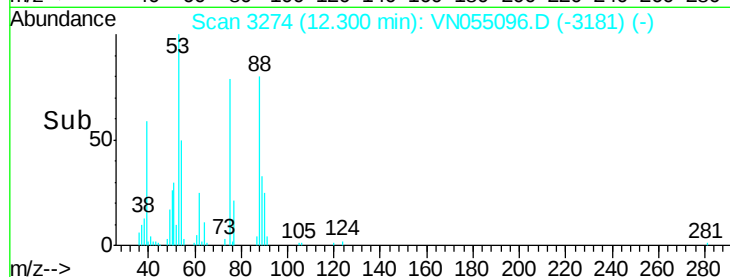
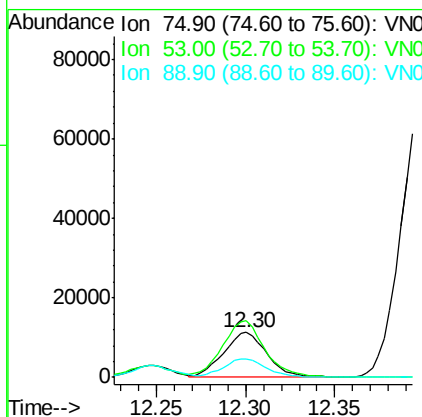
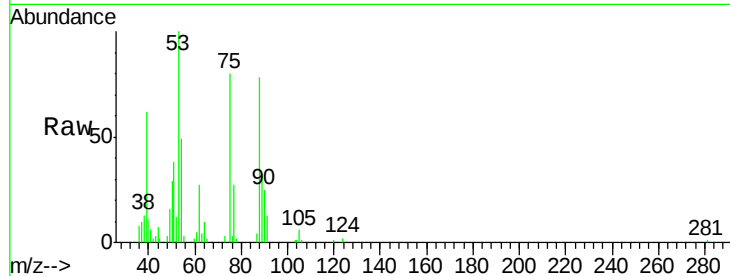
#81
trans-1,4-Dichloro-2-butene
Concen: 19.103 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	127.5	96.3	144.5
89	42.4	38.6	57.8

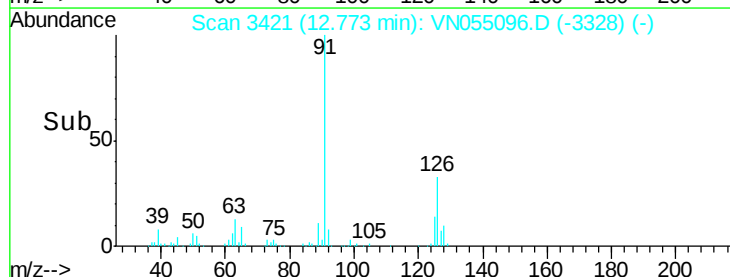
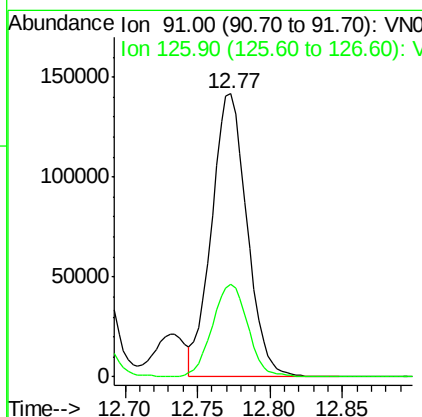
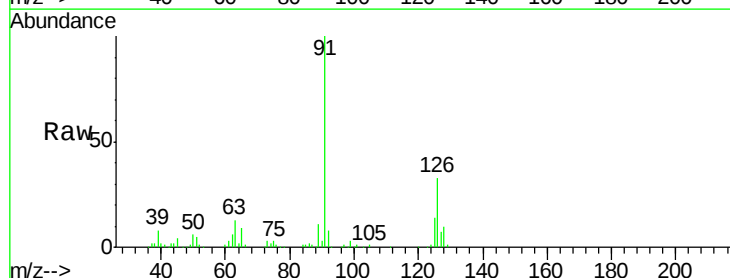
Manual Integrations
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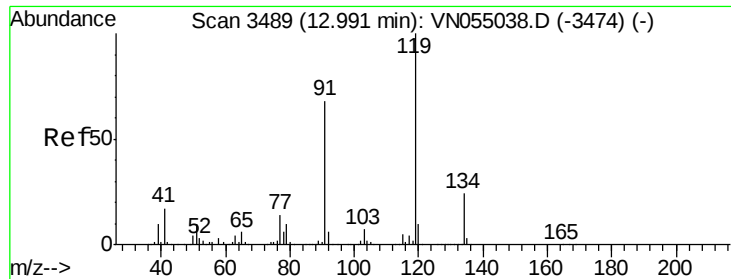
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.923 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.2





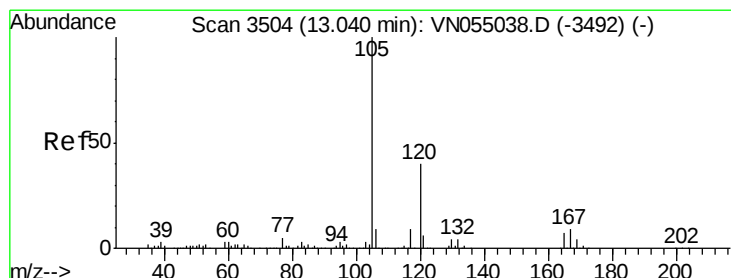
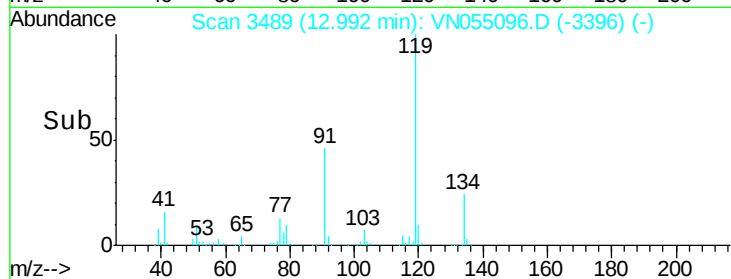
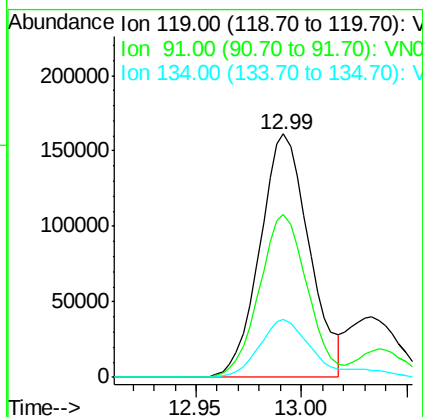
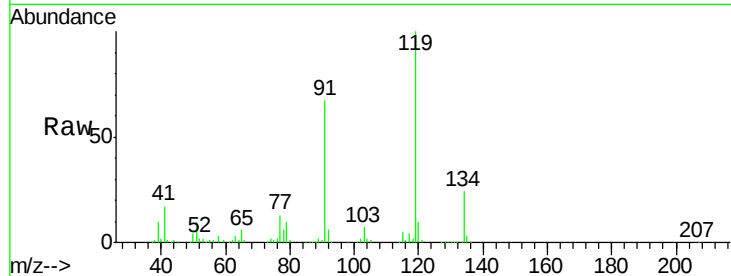
#83
tert-Butylbenzene
Concen: 20.107 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	262557		
91	65.5	33.3	99.8	
134	26.8	12.3	36.9	

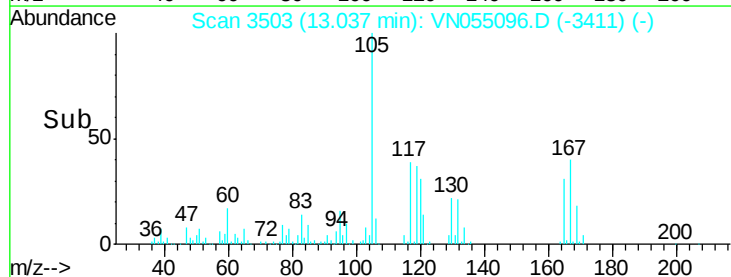
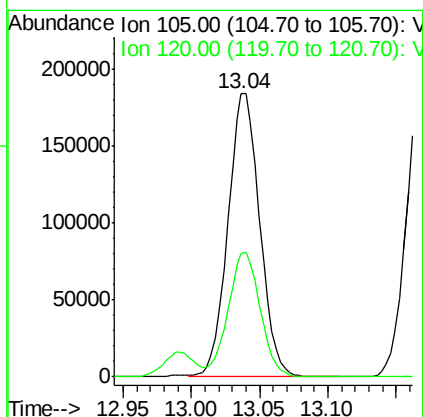
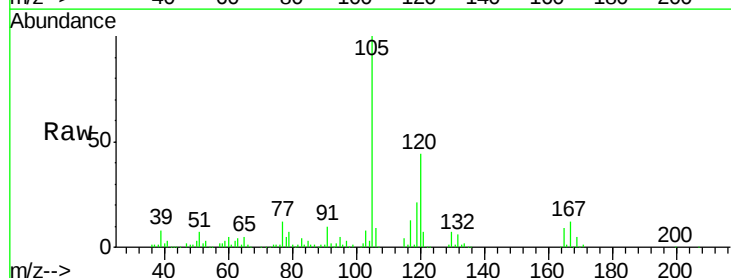
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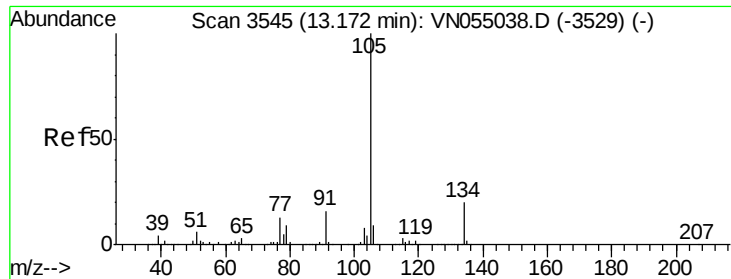
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.317 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	297707		
120	44.2	22.4	67.3	





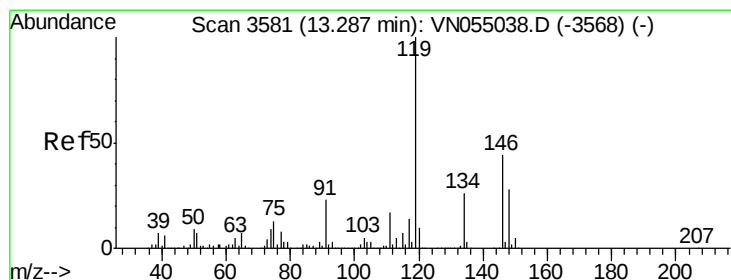
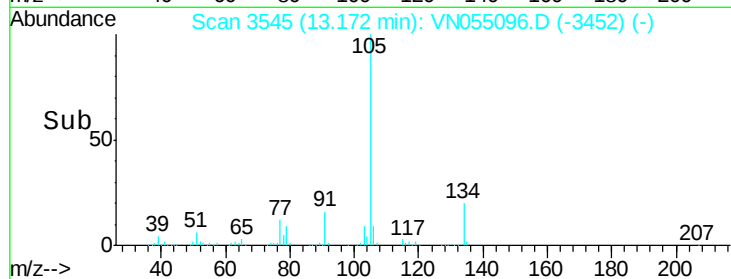
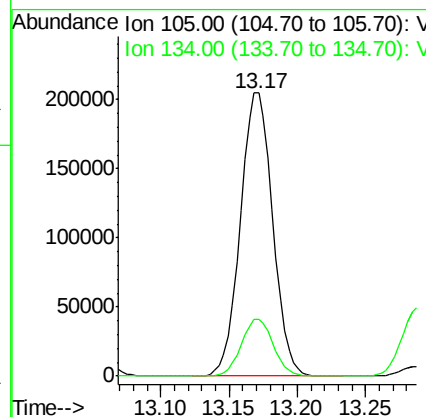
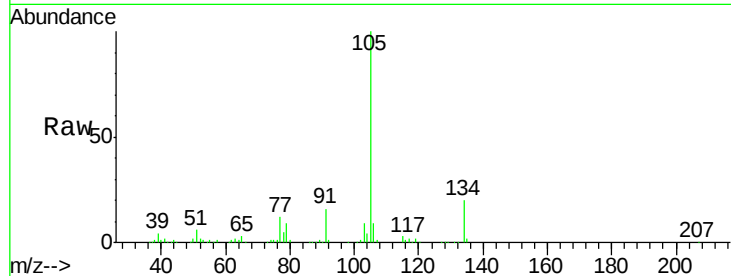
#85
 sec-Butylbenzene
 Concen: 20.231 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	336626		
134	19.8	9.8	29.3	

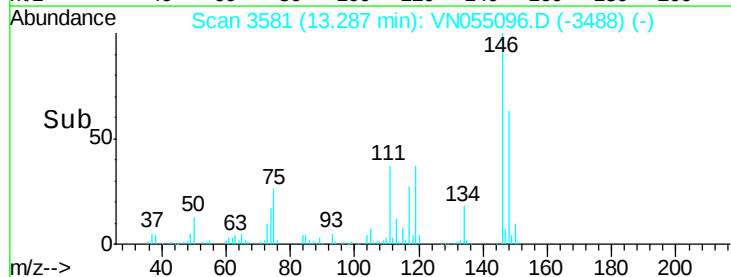
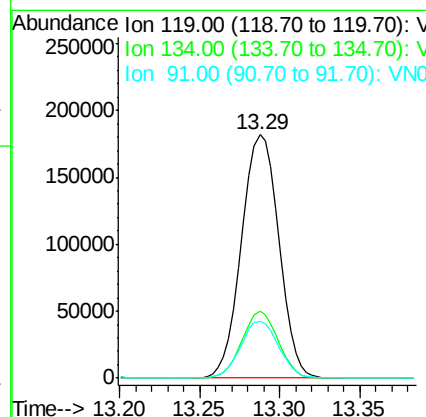
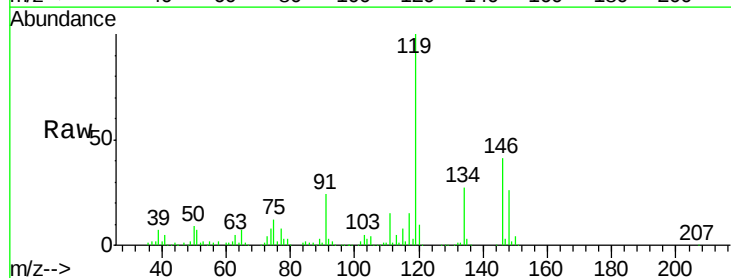
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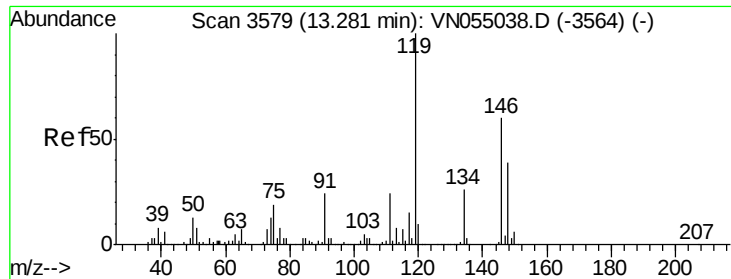
MMDadoda
 4/19/2019 12:21:23 PM



#86
 p-Isopropyltoluene
 Concen: 20.244 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	288991		
134	26.6	13.2	39.5	
91	23.9	11.7	35.1	





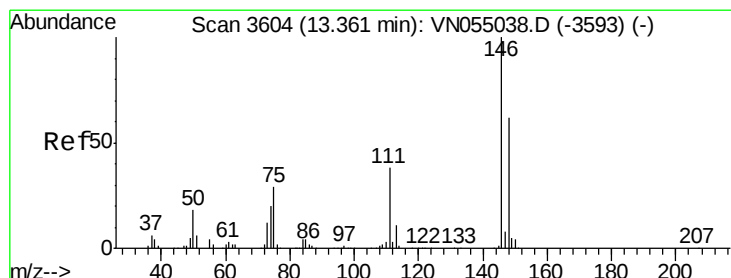
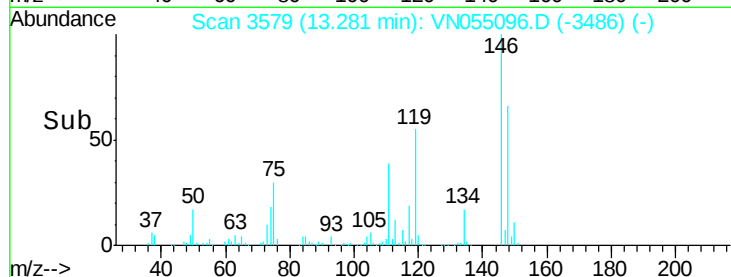
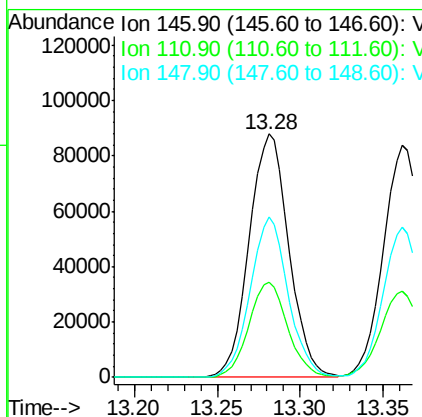
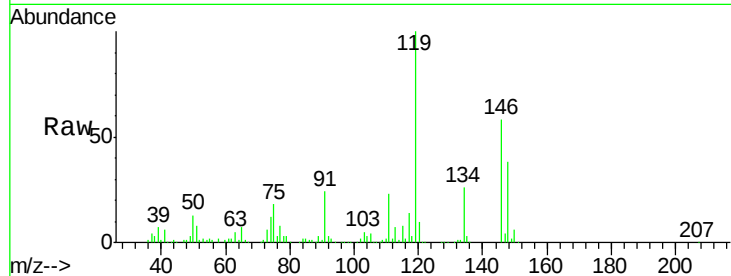
#87
 1,3-Dichlorobenzene
 Concen: 20.227 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	146860		
111	38.2	19.5	58.5	
148	62.9	31.6	94.7	

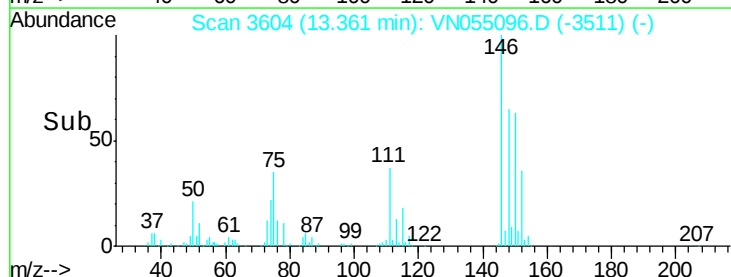
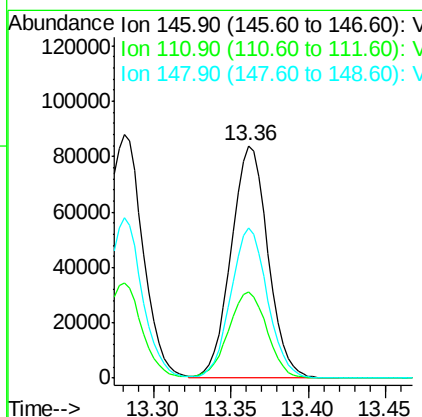
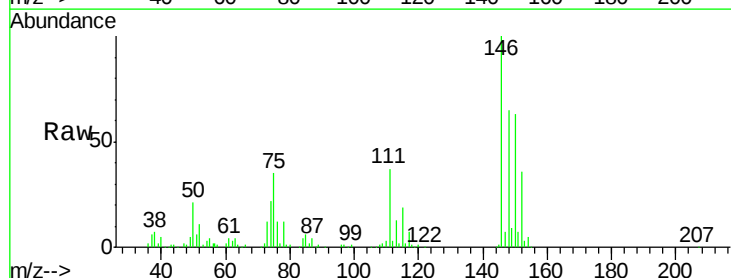
Manual Integrations
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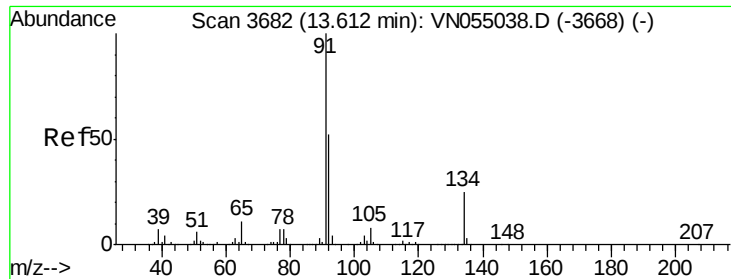
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 4/19/2019 12:21:23 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.036 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	138722		
111	39.0	18.8	56.4	
148	64.4	32.4	97.2	





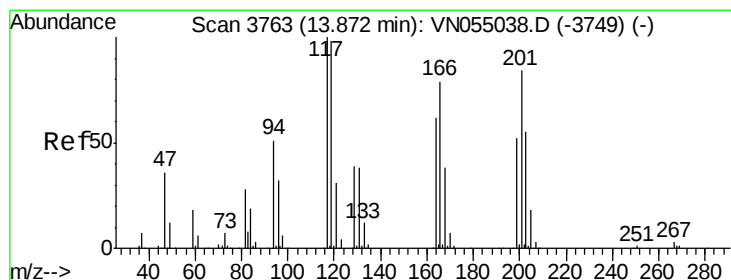
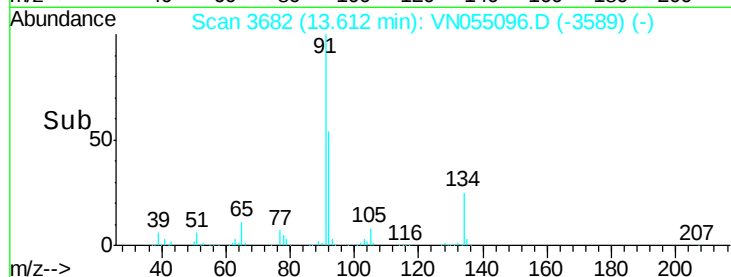
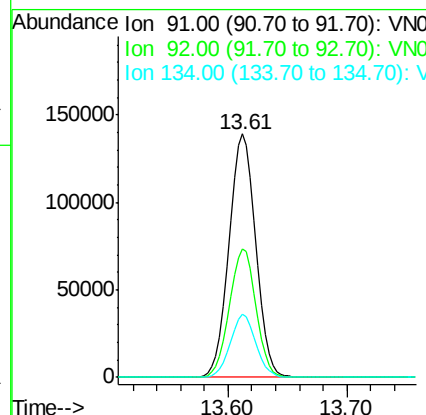
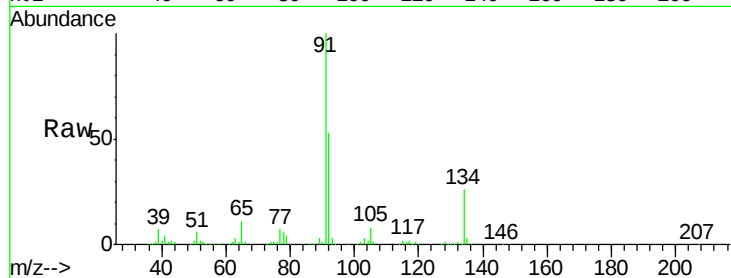
#89
n-Butylbenzene
Concen: 20.402 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.7
134	24.7	12.8	38.3

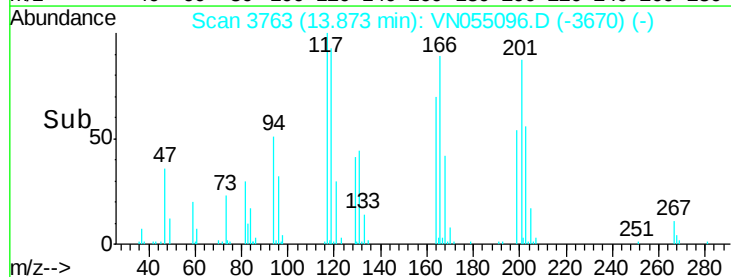
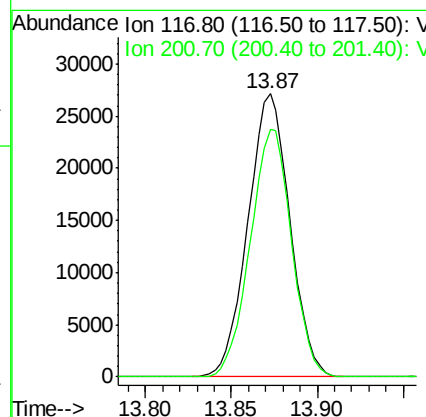
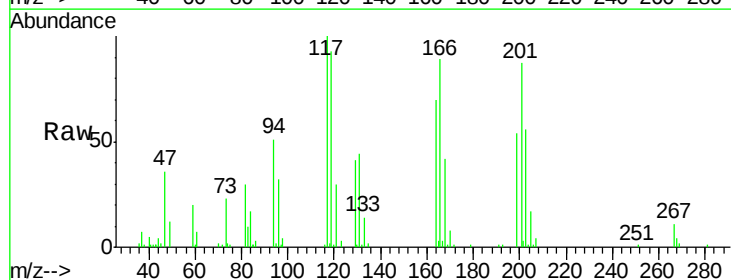
Manual Integrations
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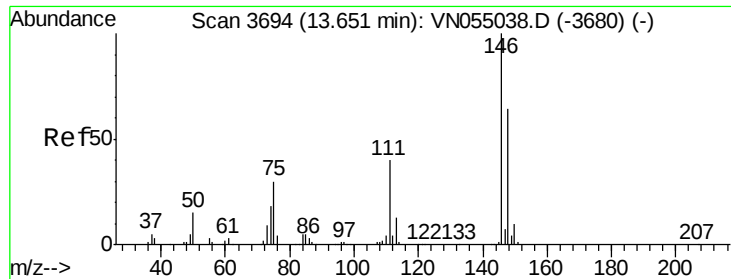
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#90
Hexachloroethane
Concen: 19.765 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055096.D
Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	43.4	130.2





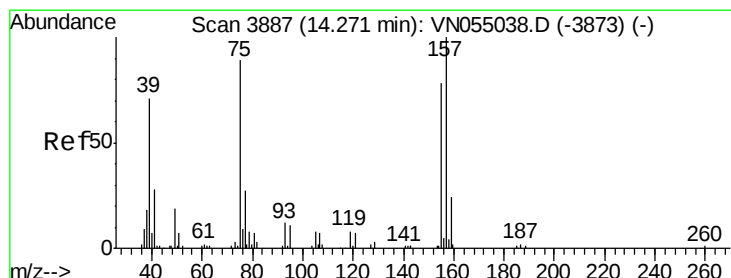
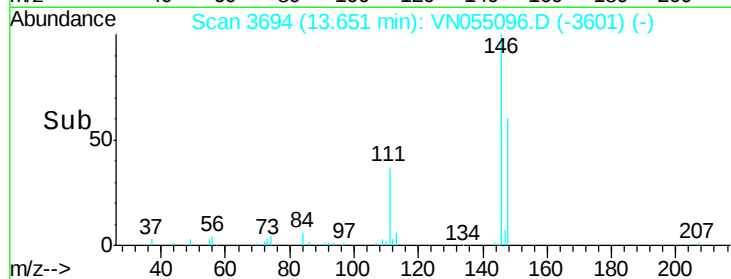
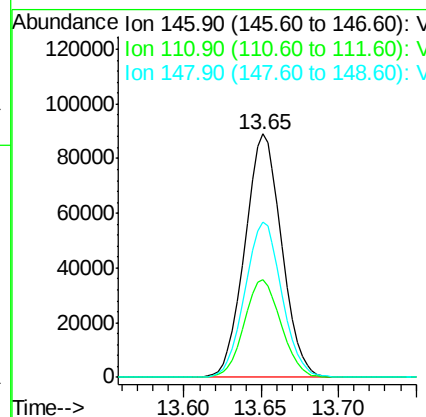
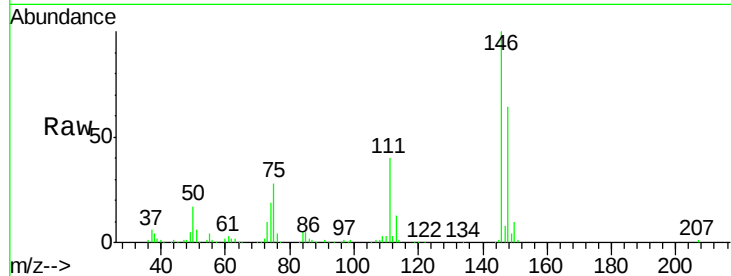
#91
 1,2-Dichlorobenzene
 Concen: 20.111 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.9
148	64.3	32.2	96.6

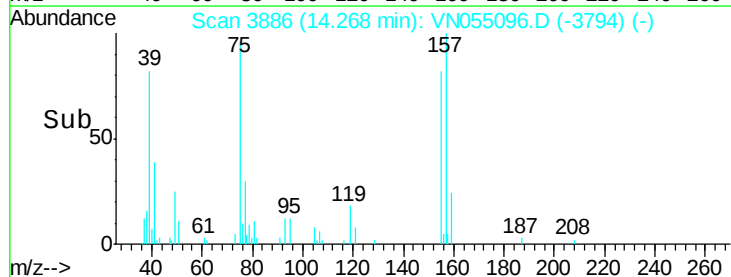
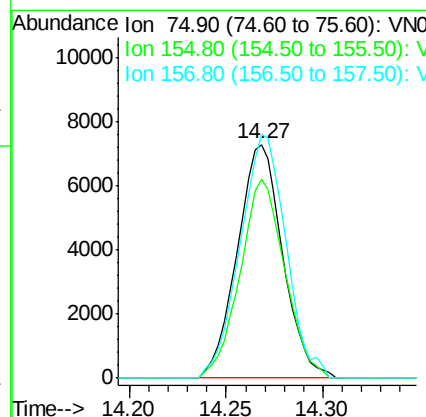
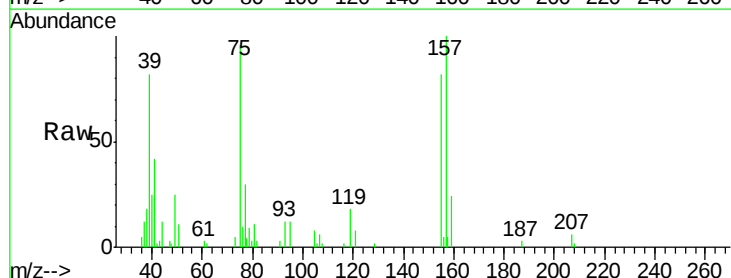
Manual Integrations
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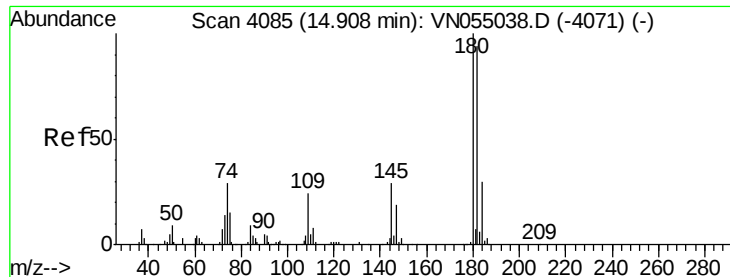
MMDadoda
 4/19/2019 12:21:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.827 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055096.D
 Acq: 17 Apr 2019 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.9	42.0	126.0
157	105.6	52.1	156.4





#93

1,2,4-Trichlorobenzene

Concen: 17.913 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

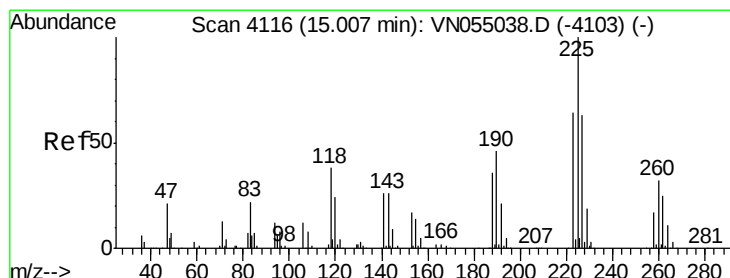
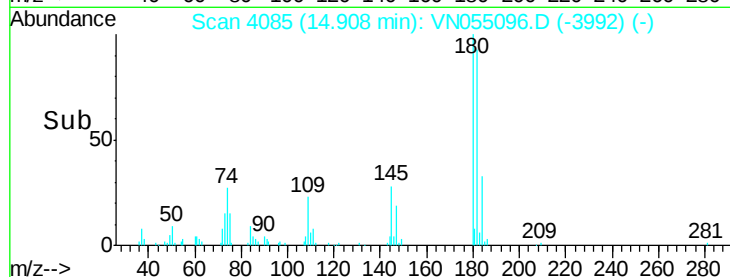
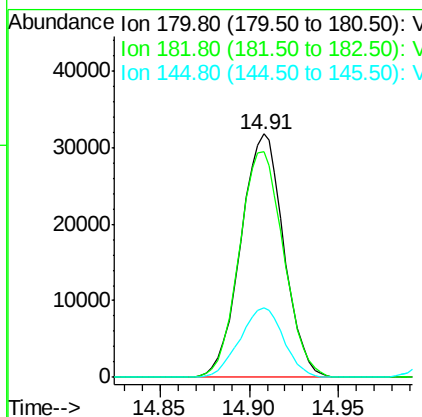
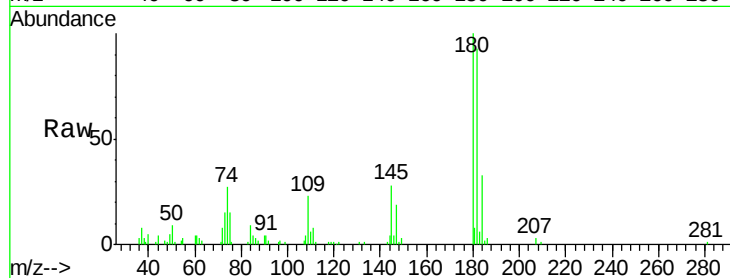
ClientSampleId :

VN0417WBS01

Tot Ion:	180	Resp:	53307
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.5	142.6
145	29.1	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
4/19/2019 12:21:23 PM



#94

Hexachlorobutadiene

Concen: 21.920 ug/l

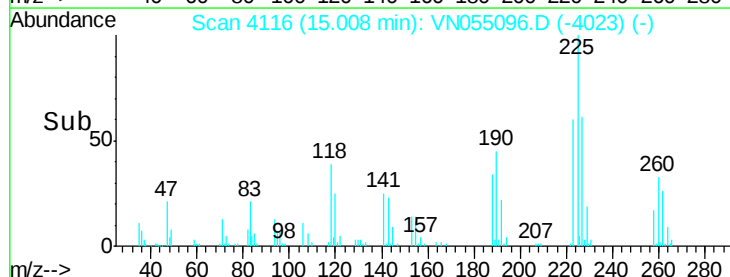
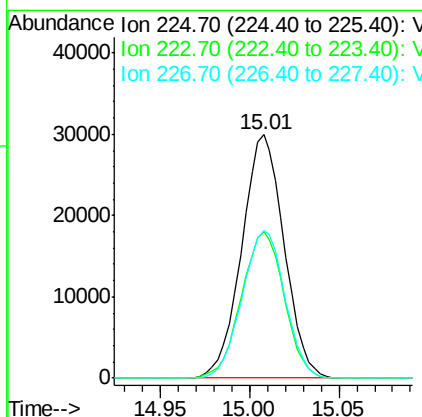
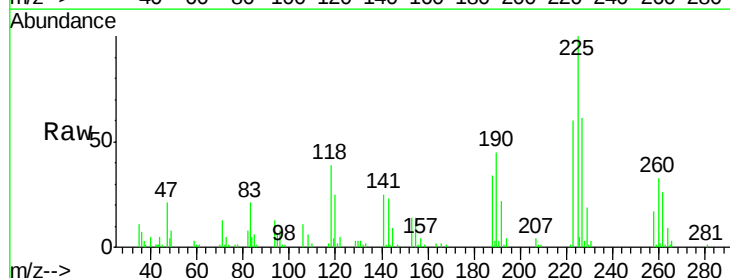
RT: 15.01 min Scan# 4116

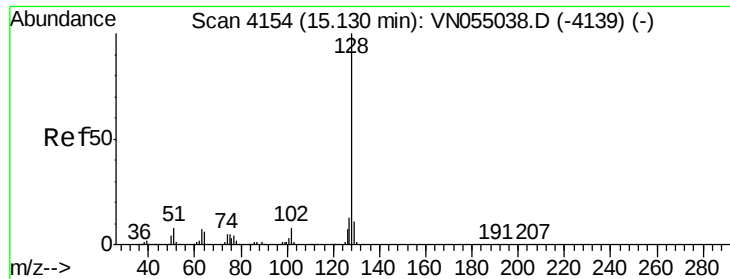
Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Tgt Ion:	225	Resp:	49458
Ion Ratio	Lower	Upper	
225	100		
223	60.7	31.4	94.0
227	61.5	32.6	97.7





#95

Naphthalene

Concen: 16.674 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Instrument :

MSVOA_N

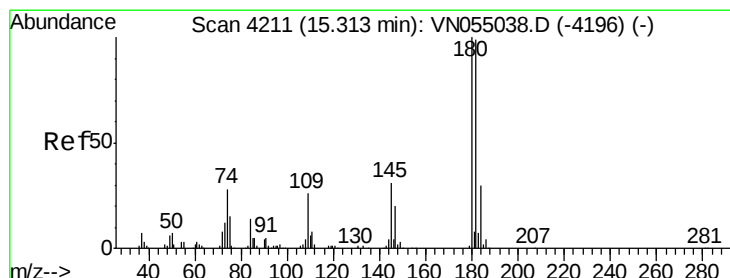
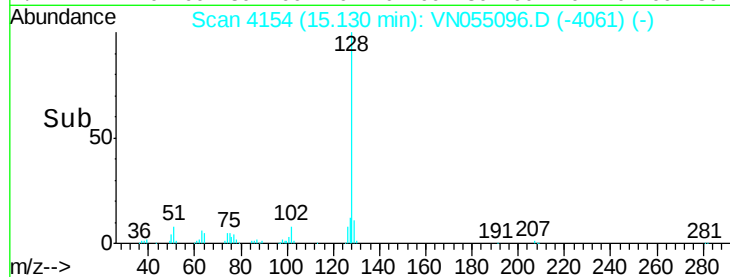
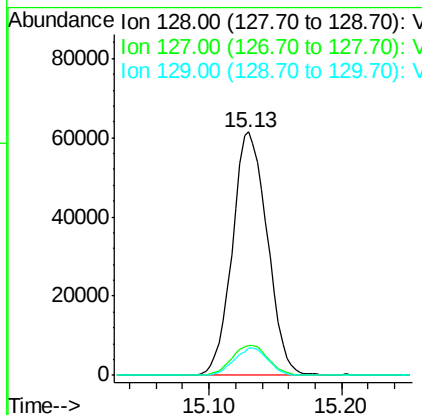
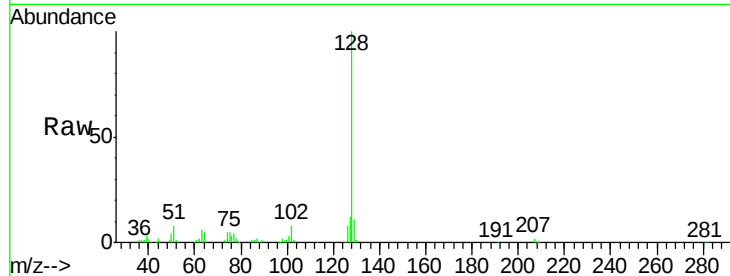
ClientSampleId :

VN0417WBS01

Tot Ion:	128	Resp:	112222
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/19/2019 12:21:23 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.436 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055096.D

Acq: 17 Apr 2019 10:53

Tgt Ion:	180	Resp:	54772
Ion Ratio	Lower	Upper	
180	100		
182	99.5	48.0	144.0
145	31.5	15.3	45.9

