

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055147.D
 Acq On : 19 Apr 2019 19:04
 Operator : JC/SP
 Sample : VN0419WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/22/2019 10:07:28 AM

Quant Time: Apr 20 04:48:23 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	7.67	168	392976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	644478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	545091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205957	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	267793	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.59	113	210725	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	10.09	98	747699	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
62) 4-Bromofluorobenzene	12.40	95	239504	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	81570	18.265	ug/l	99
3) Chloromethane	2.06	50	100632	17.276	ug/l	97
4) Vinyl Chloride	2.19	62	85377	17.438	ug/l	99
5) Bromomethane	2.56	94	47443	17.129	ug/l	98
6) Chloroethane	2.70	64	47717	18.073	ug/l	96
7) Trichlorofluoromethane	3.01	101	129331	21.122	ug/l	96
8) Diethyl Ether	3.41	74	50679	25.929	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78945	24.637	ug/l	99
10) Methyl Iodide	3.95	142	103304	20.774	ug/l	95
11) Tert butyl alcohol	4.80	59	41600	145.289	ug/l #	84
12) 1,1-Dichloroethene	3.74	96	76309	24.465	ug/l	87
13) Acrolein	3.61	56	25750	72.758	ug/l	95
14) Allyl chloride	4.33	41	157183	20.588	ug/l	99
15) Acrylonitrile	5.00	53	201724	117.755	ug/l	100
16) Acetone	3.82	43	166475	117.419	ug/l	92
17) Carbon Disulfide	4.05	76	170372	16.921	ug/l	98
18) Methyl Acetate	4.33	43	102005	24.742	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	249750	22.384	ug/l	99
20) Methylene Chloride	4.55	84	94545	18.970	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	81656	19.357	ug/l	96
22) Diisopropyl ether	5.96	45	338375	21.559	ug/l	96
23) Vinyl Acetate	5.90	43	1193136	115.011	ug/l	99
24) 1,1-Dichloroethane	5.85	63	172809	20.676	ug/l	99
25) 2-Butanone	6.84	43	256981	121.445	ug/l	99
26) 2,2-Dichloropropane	6.83	77	111653	21.166	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	95619	20.035	ug/l	96
28) Bromochloromethane	7.20	49	85668	21.263	ug/l	99
29) Tetrahydrofuran	7.21	42	174839	125.999	ug/l	99
30) Chloroform	7.37	83	166333	20.488	ug/l	98
31) Cyclohexane	7.66	56	150919	19.666	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	133523	20.759	ug/l	98
36) 1,1-Dichloropropene	7.80	75	115319	18.981	ug/l	98
37) Ethyl Acetate	6.93	43	107216	21.677	ug/l #	95
38) Carbon Tetrachloride	7.77	117	109211	18.894	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	117996	17.923	ug/l	98
40) Benzene	8.04	78	361998	19.770	ug/l	99
41) Methacrylonitrile	7.18	41	56003	20.398	ug/l	94
42) 1,2-Dichloroethane	8.13	62	130884	20.588	ug/l	99
43) Isopropyl Acetate	8.17	43	179824	23.595	ug/l	99
44) Trichloroethene	8.84	130	92212	20.106	ug/l	95
45) 1,2-Dichloropropane	9.12	63	105259	20.613	ug/l	99
46) Dibromomethane	9.21	93	60501	20.815	ug/l	97
47) Bromodichloromethane	9.40	83	123149	20.550	ug/l	99
48) Methyl methacrylate	9.20	41	84635	22.405	ug/l	98
49) 1,4-Dioxane	9.20	88	20837	588.767	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	528660	120.069	ug/l	99
52) Toluene	10.16	92	210381	20.061	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	109508	20.910	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	135252	20.809	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	84299	20.864	ug/l	98
56) Ethyl methacrylate	10.43	69	109731	22.629	ug/l	98
57) 1,3-Dichloropropane	10.71	76	147686	21.468	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	199263	100.277	ug/l	99
59) 2-Hexanone	10.75	43	330997	119.688	ug/l	98
60) Dibromochloromethane	10.90	129	84437	21.401	ug/l	99
61) 1,2-Dibromoethane	11.01	107	80339	21.603	ug/l	99
64) Tetrachloroethene	10.63	164	83722	18.888	ug/l	99
65) Chlorobenzene	11.44	112	212079	19.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85243	21.123	ug/l	98
67) Ethyl Benzene	11.51	91	384494	19.623	ug/l	100
68) m/p-Xylenes	11.62	106	281172	39.627	ug/l	99
69) o-Xylene	11.95	106	137035	19.940	ug/l	98
70) Styrene	11.96	104	225980	20.314	ug/l	99
71) Bromoform	12.13	173	50906	22.008	ug/l #	98
73) Isopropylbenzene	12.25	105	371558	20.330	ug/l	99
74) N-amyl acetate	12.07	43	122221	23.757	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	108895	22.267	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	93912m	25.357	ug/l	
77) Bromobenzene	12.53	156	89130	19.562	ug/l	97
78) n-propylbenzene	12.59	91	398023	20.157	ug/l	100
79) 2-Chlorotoluene	12.68	91	244574	19.858	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	294729	19.983	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22421	24.208	ug/l	95
82) 4-Chlorotoluene	12.77	91	231978	20.188	ug/l	99
83) tert-Butylbenzene	12.99	119	258991	20.793	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	280300	20.054	ug/l	99
85) sec-Butylbenzene	13.17	105	322096	20.294	ug/l	100
86) p-Isopropyltoluene	13.29	119	271687	19.953	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	141167	20.384	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	130450	19.753	ug/l	98
89) n-Butylbenzene	13.62	91	194178	19.210	ug/l	98
90) Hexachloroethane	13.87	117	46091	20.803	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	143784	20.635	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14268	23.693	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47518	16.916	ug/l	100
94) Hexachlorobutadiene	15.01	225	43917	20.406	ug/l	96
95) Naphthalene	15.13	128	112381	17.352	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	52161	19.404	ug/l	98

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

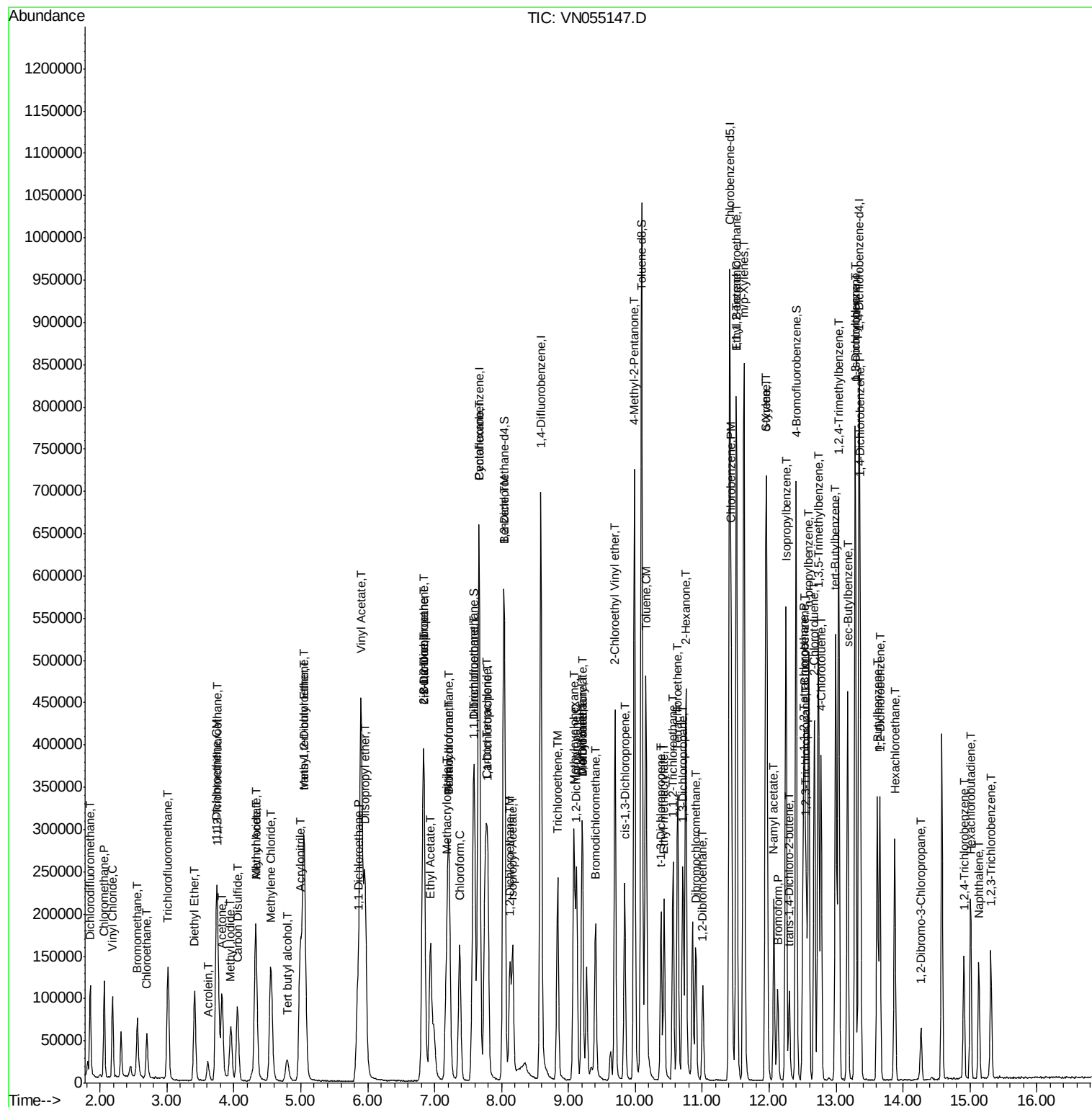
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Data File : VN055147.D
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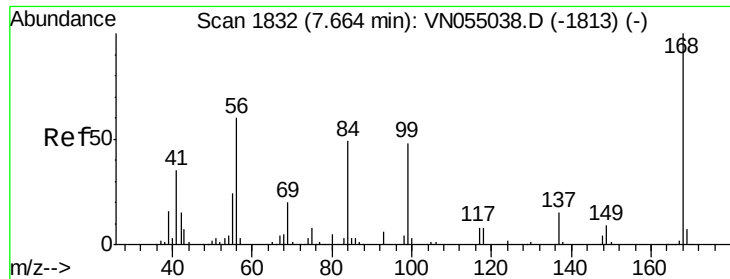
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

Tot Ion:168 Resp: 392976

Ion Ratio Lower Upper

168 100

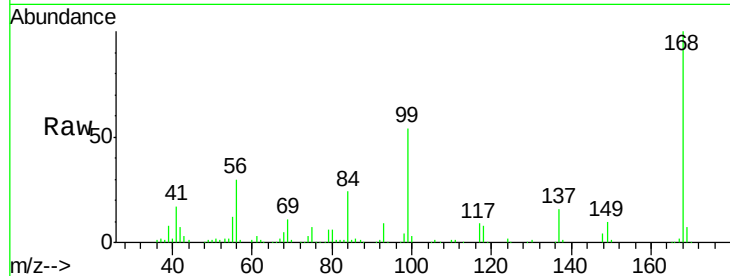
99 53.2 41.9 62.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

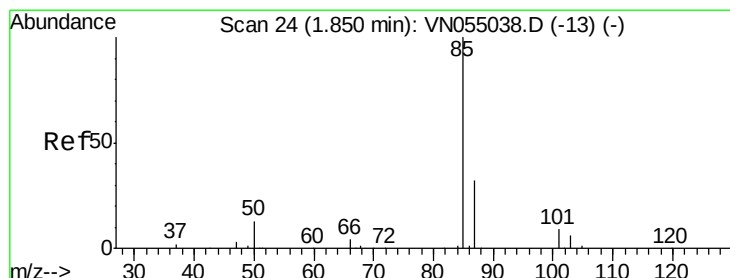
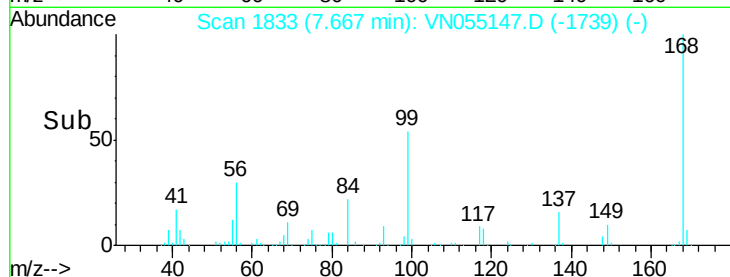
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.265 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055147.D

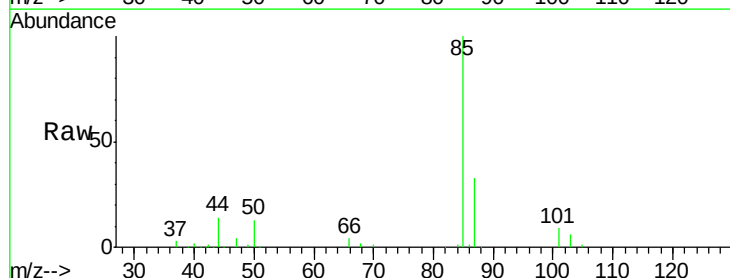
Acq: 19 Apr 2019 19:04

Tgt Ion: 85 Resp: 81570

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

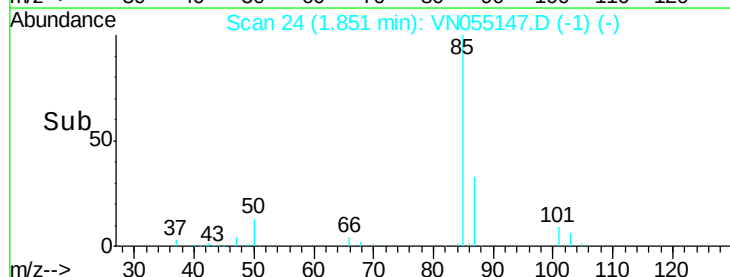
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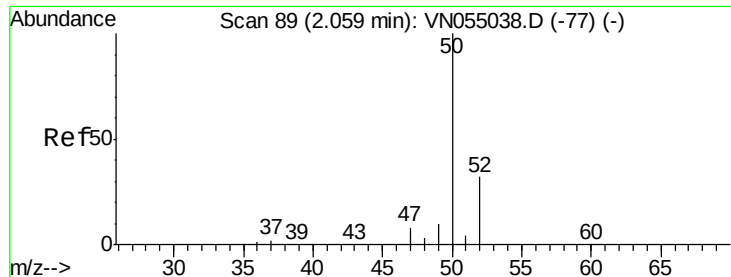
40000

20000

0

Time-->





#3

Chloromethane

Concen: 17.276 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

Tot Ion: 50 Resp: 100632

Ion Ratio Lower Upper

50 100

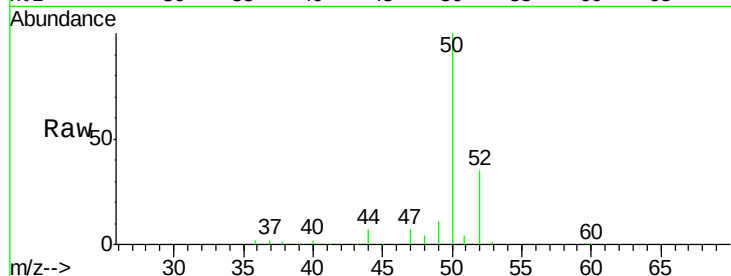
52 34.8 26.6 40.0

Manual Integrations

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4/22/2019 10:07:28 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

80000

60000

40000

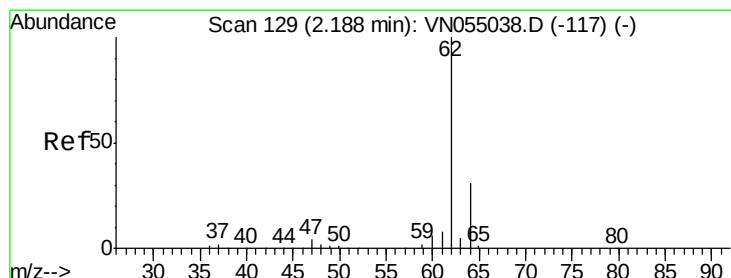
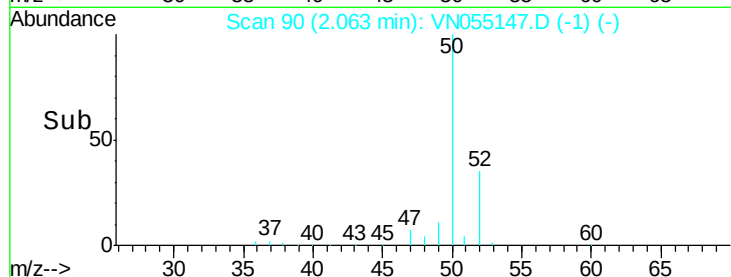
20000

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Time-->

2.00 2.05 2.10

2.06



#4

Vinyl Chloride

Concen: 17.438 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055147.D

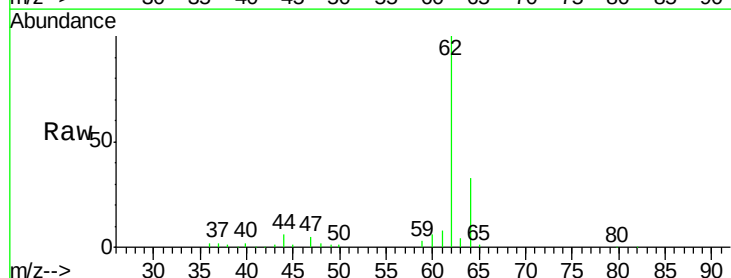
Acq: 19 Apr 2019 19:04

Tgt Ion: 62 Resp: 85377

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

60000

40000

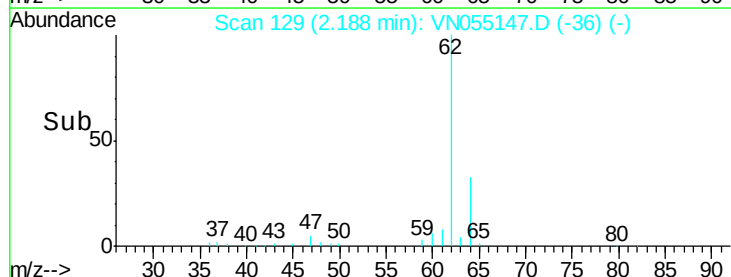
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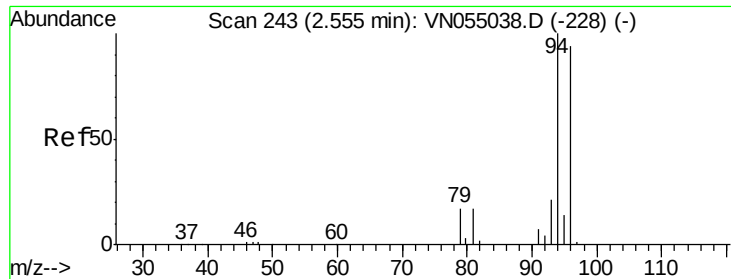
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Time-->

2.15 2.20 2.25

2.19





#5

Bromomethane

Concen: 17.129 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

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ClientSampled :

VN0419WBS02

Tot Ion: 94 Resp: 47443

Ion Ratio Lower Upper

94 100

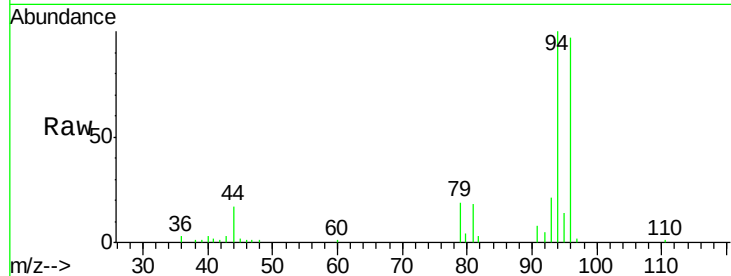
96 96.8 76.2 114.4

Manual Integrations

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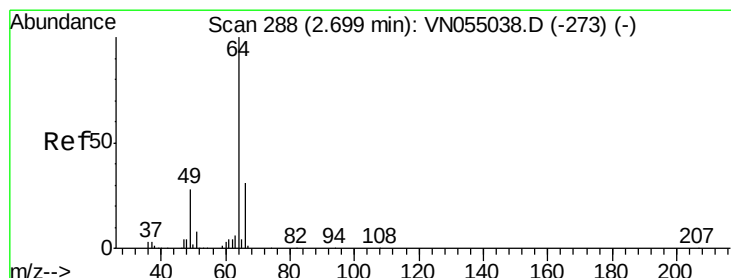
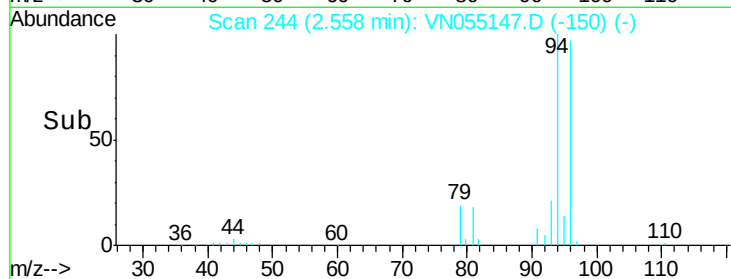
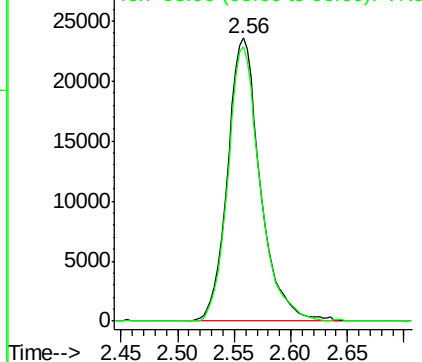
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.073 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055147.D

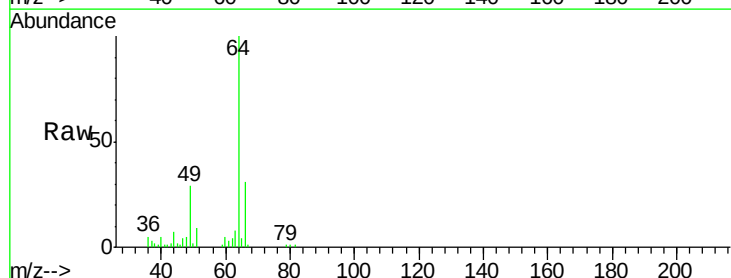
Acq: 19 Apr 2019 19:04

Tgt Ion: 64 Resp: 47717

Ion Ratio Lower Upper

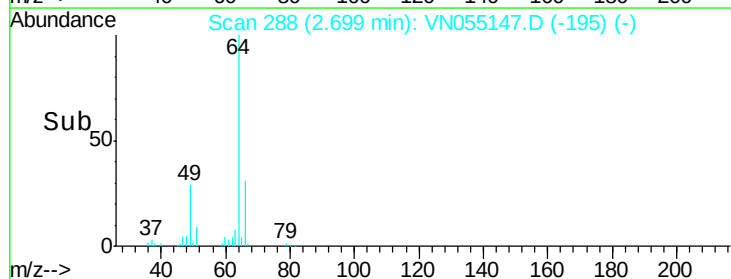
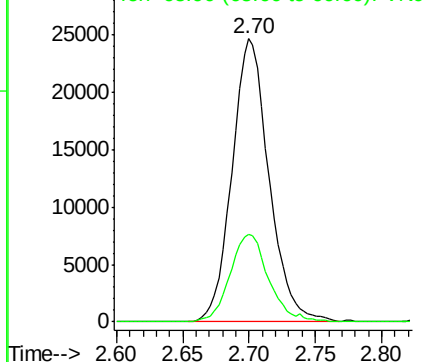
64 100

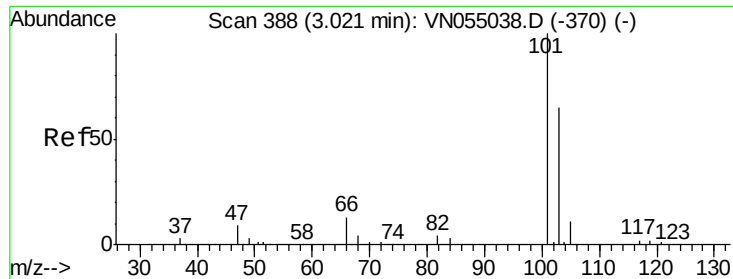
66 31.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

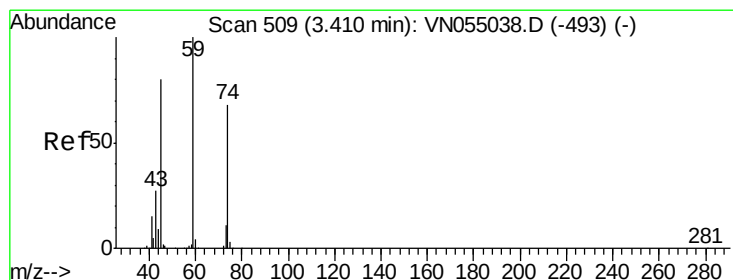
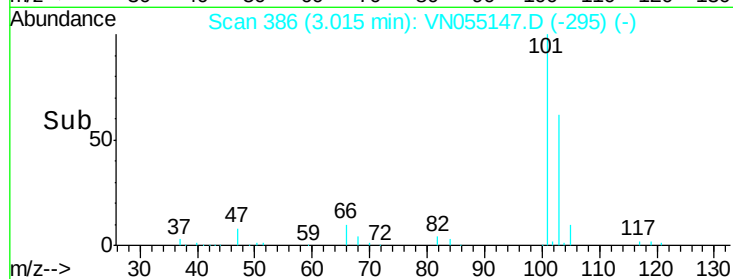
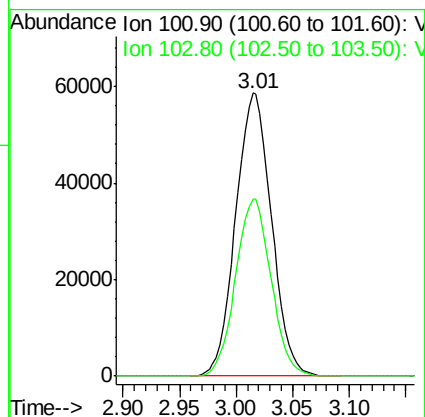
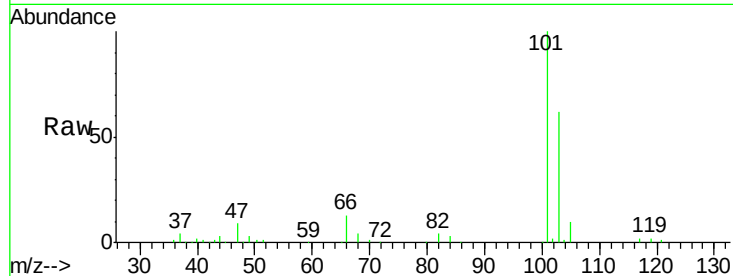
Trichlorofluoromethane
Concen: 21.122 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.01 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.5	78.7

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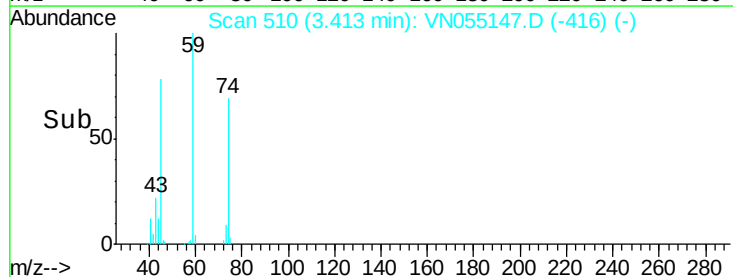
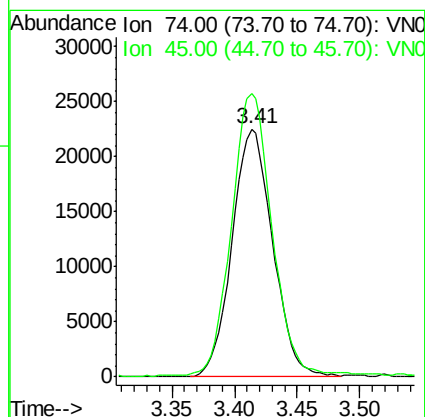
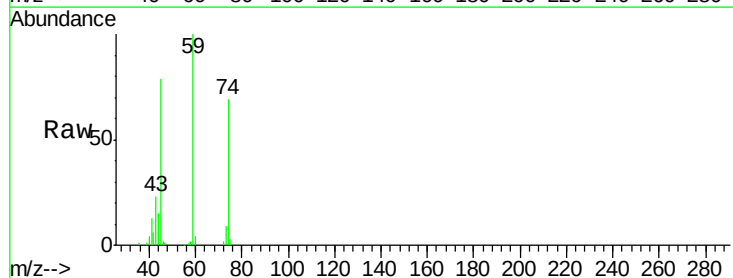
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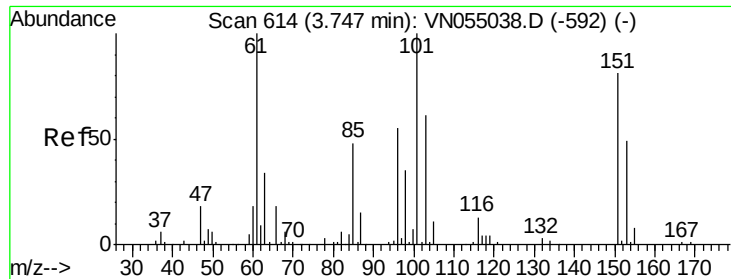


#8

Diethyl Ether
Concen: 25.929 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055147.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.8	55.7	167.1





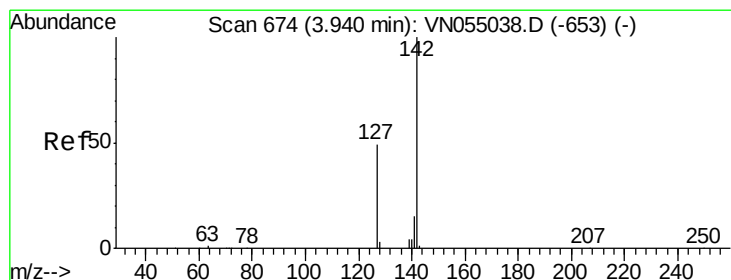
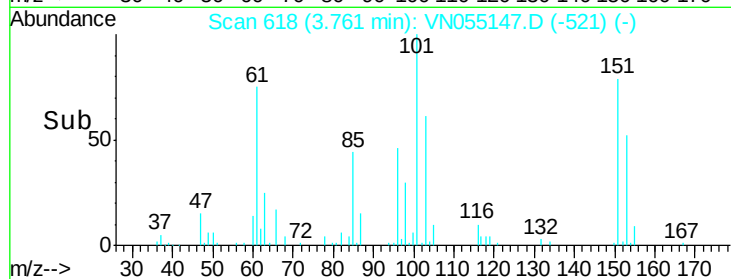
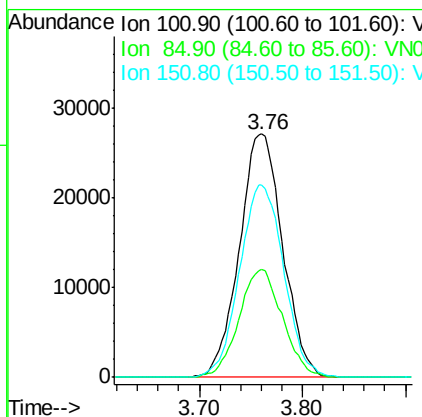
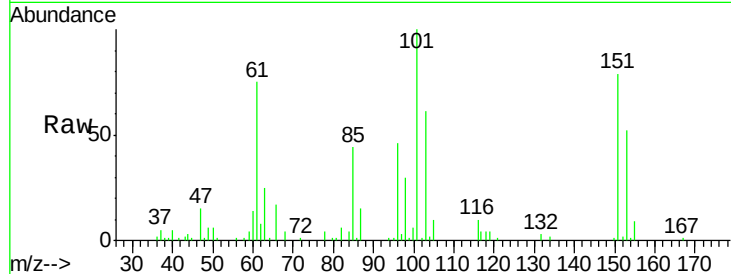
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 24.637 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.01 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	78945		
85	44.7	36.9	55.3	
151	80.9	64.4	96.6	

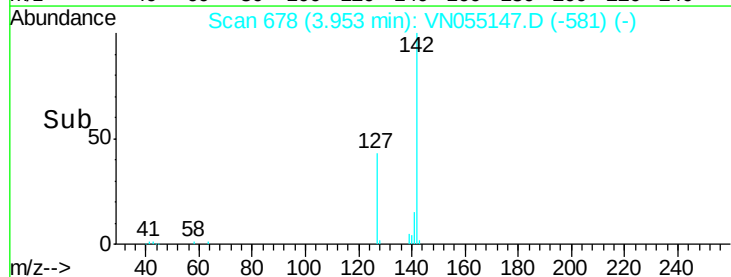
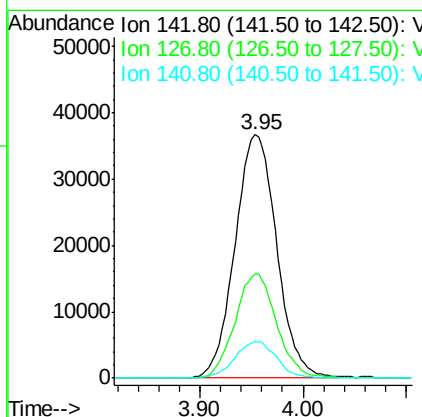
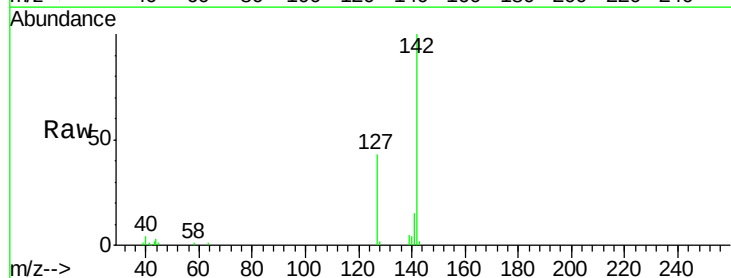
Manual Integrations
 APPROVED

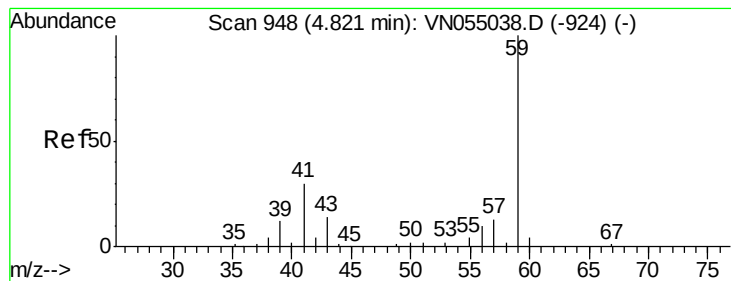
MMDadoda
 4/22/2019 10:07:28 AM



#10
 Methyl Iodide
 Concen: 20.774 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.01 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	103304		
127	42.6	37.9	56.9	
141	14.9	11.8	17.8	





#11

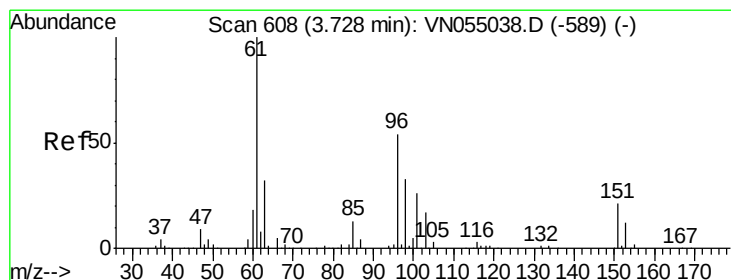
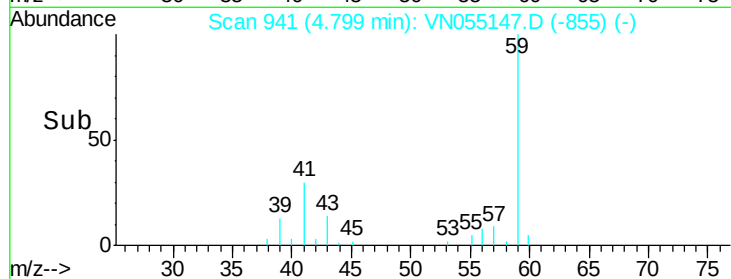
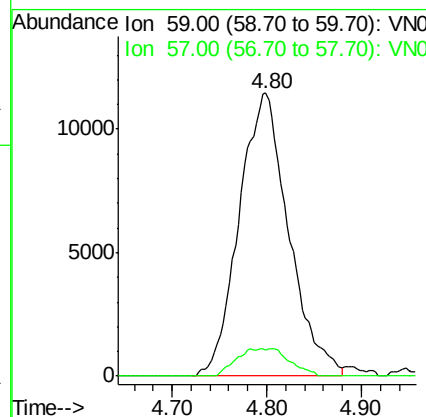
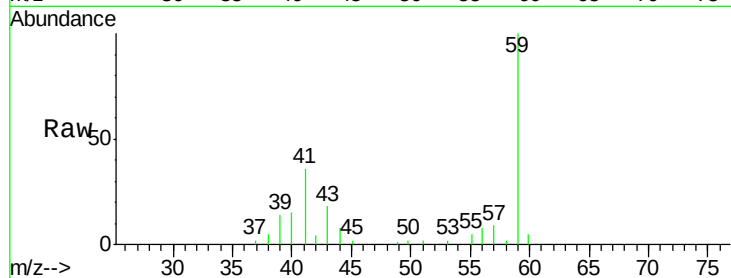
Tert butyl alcohol
 Concen: 145.289 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. -0.02 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	41600		
57	4.3		8.3	12.5#

Manual Integrations
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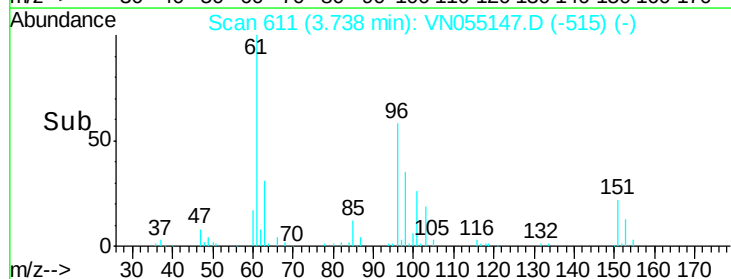
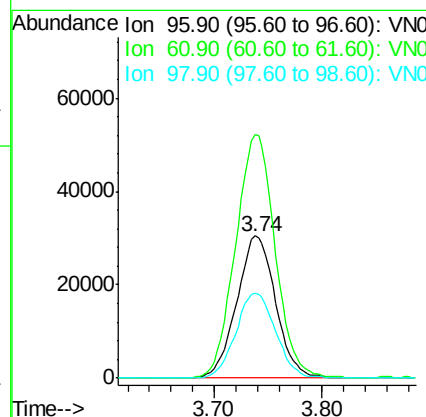
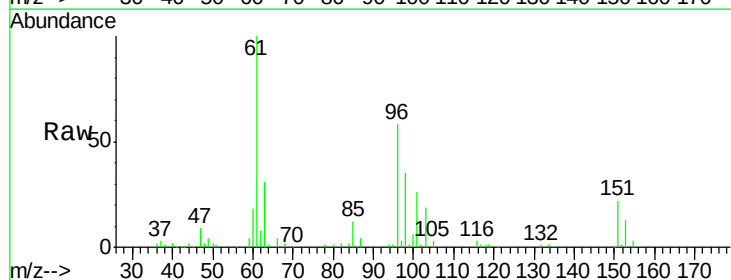
MMDadoda
 4/22/2019 10:07:28 AM

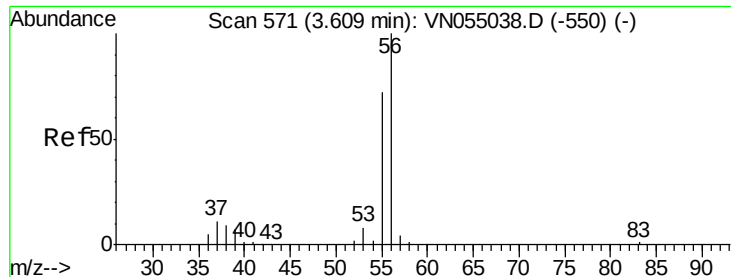


#12

1,1-Dichloroethene
 Concen: 24.465 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	76309		
61	171.0		154.2	231.4
98	59.9		52.9	79.3





#13

Acrolein

Concen: 72.758 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

Tot Ion: 56 Resp: 25750

Ion Ratio Lower Upper

56 100

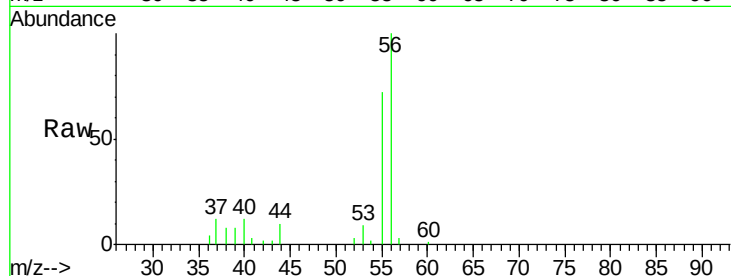
55 70.2 59.5 89.3

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

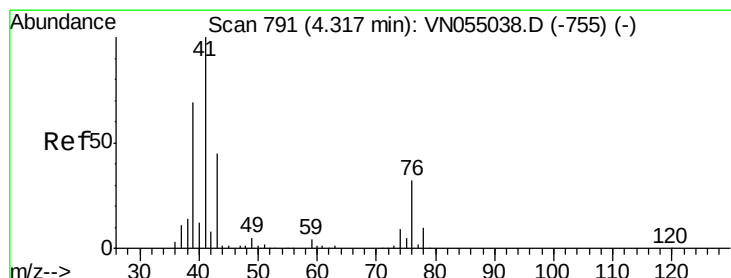
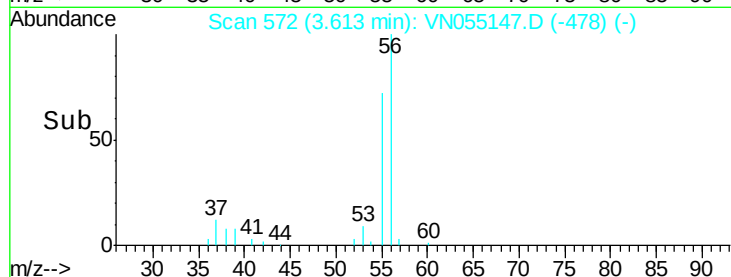
6000

4000

2000

0

Time--> 3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 20.588 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

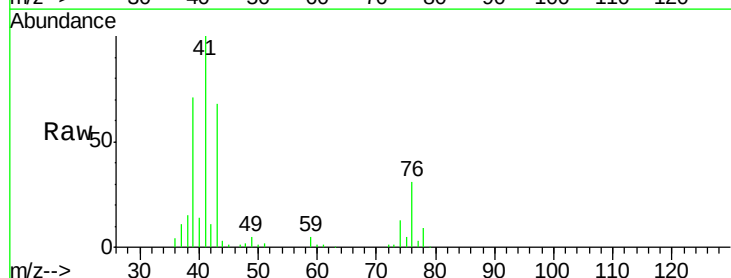
Tgt Ion: 41 Resp: 157183

Ion Ratio Lower Upper

41 100

39 65.5 52.7 79.1

76 28.6 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

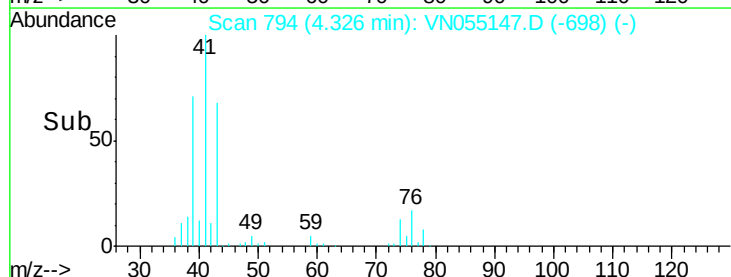
60000

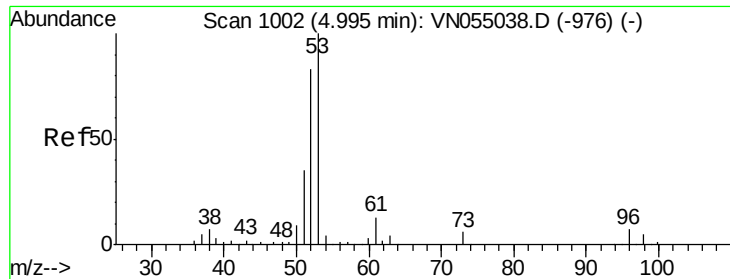
40000

20000

0

Time--> 4.20 4.30 4.40





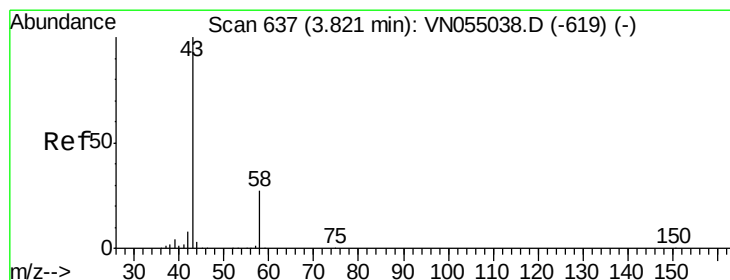
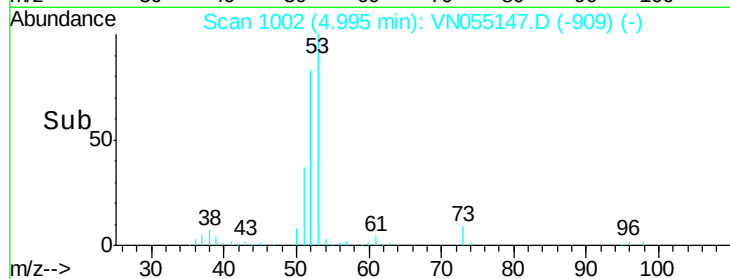
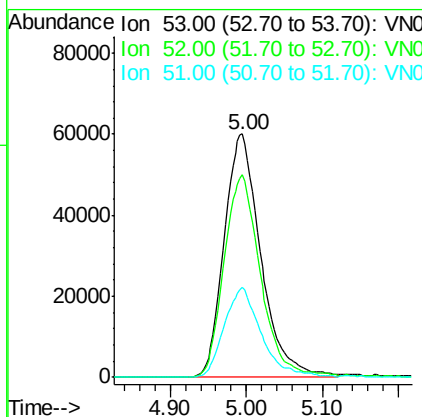
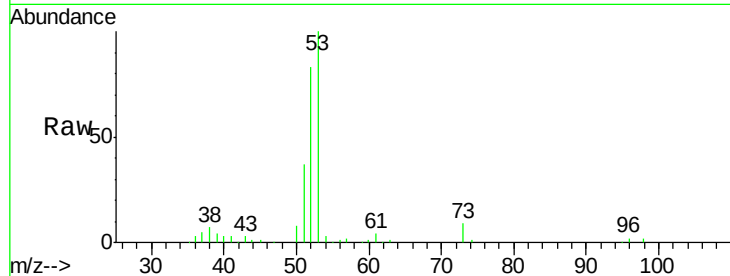
#15
 Acrylonitrile
 Concen: 117.755 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		201724		
52	82.0	65.9		98.9	
51	37.3	29.7		44.5	

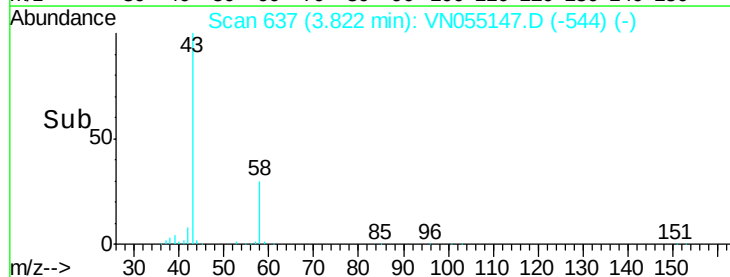
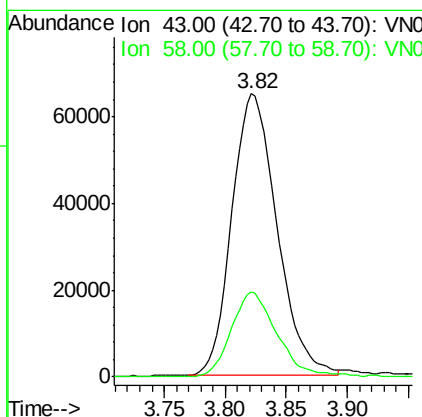
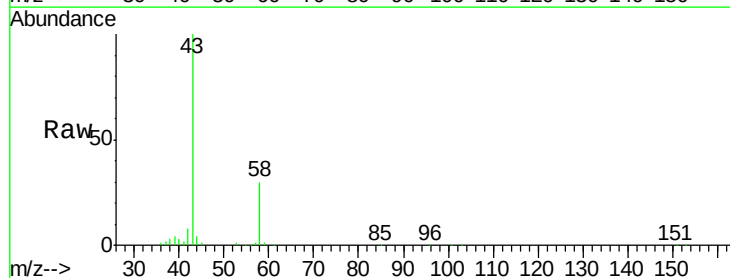
Manual Integrations
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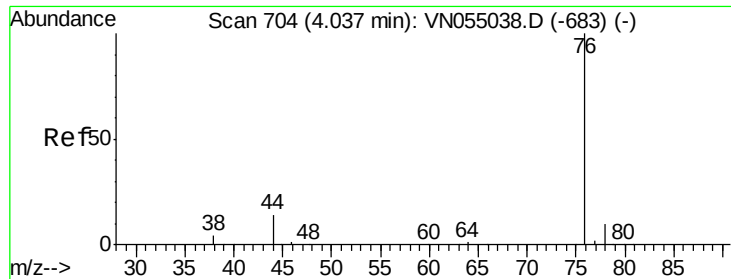
MMDadoda
 4/22/2019 10:07:28 AM



#16
 Acetone
 Concen: 117.419 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		166475		
58	30.2	20.9		31.3	





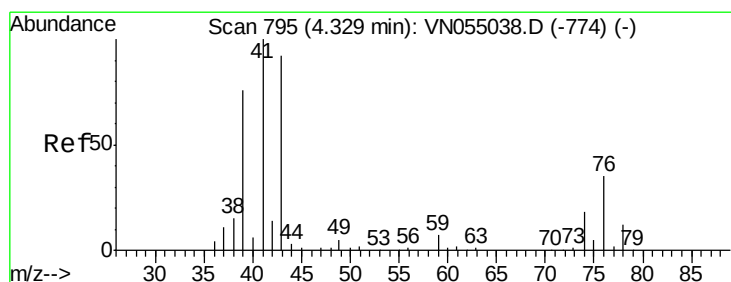
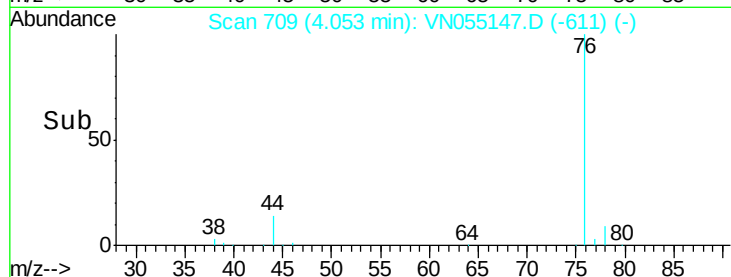
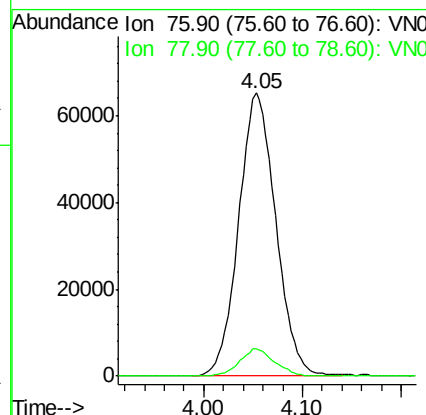
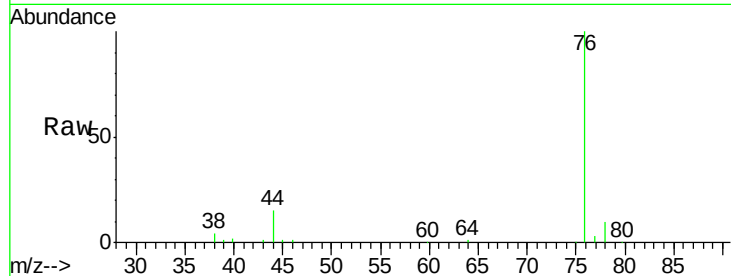
#17
Carbon Disulfide
Concen: 16.921 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.02 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

Tot Ion: 76 Resp: 170372
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8

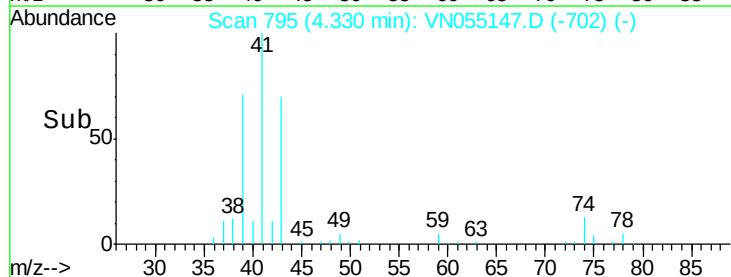
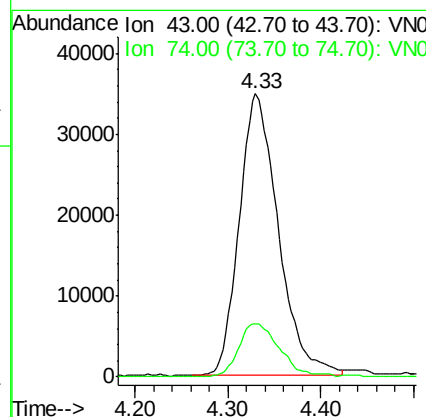
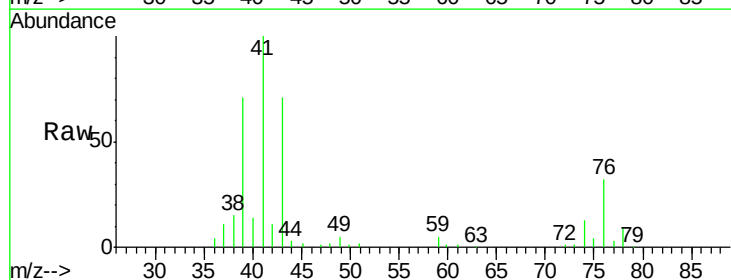
Manual Integrations
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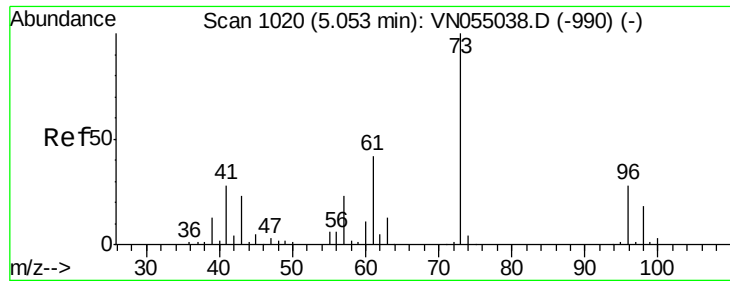
MMDadoda
4/22/2019 10:07:28 AM



#18
Methyl Acetate
Concen: 24.742 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion: 43 Resp: 102005
Ion Ratio Lower Upper
43 100
74 19.5 16.1 24.1





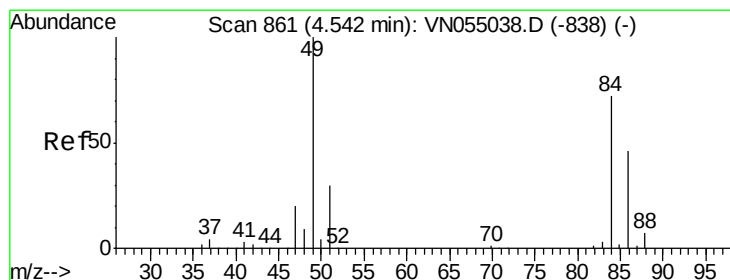
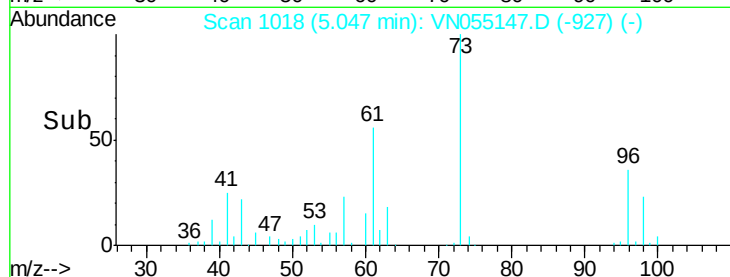
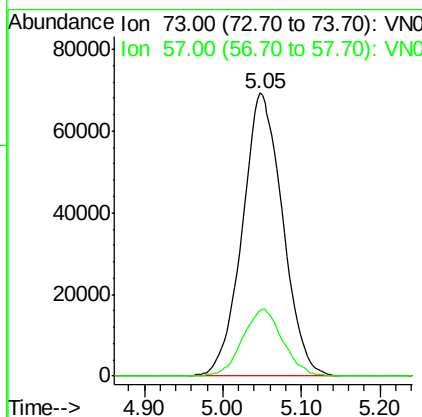
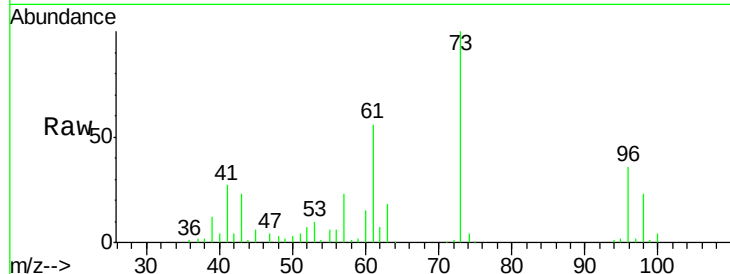
#19
Methyl tert-butyl Ether
Concen: 22.384 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

Tot Ion: 73 Resp: 249750
Ion Ratio Lower Upper
73 100
57 23.4 19.0 28.4

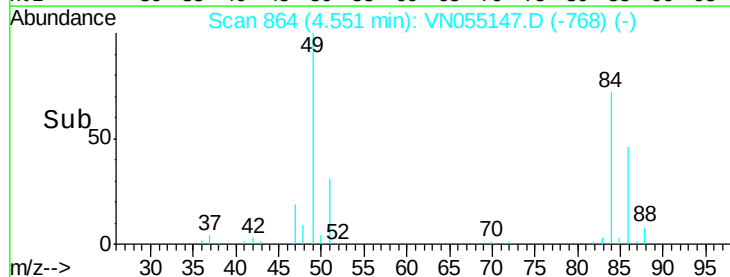
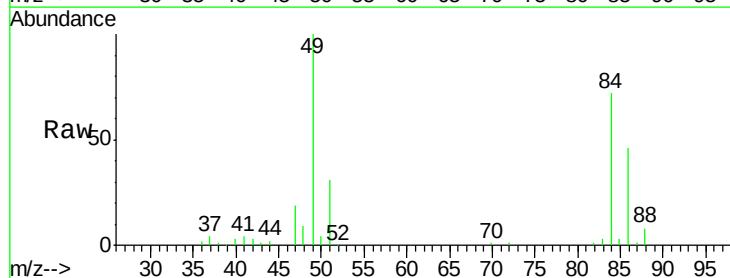
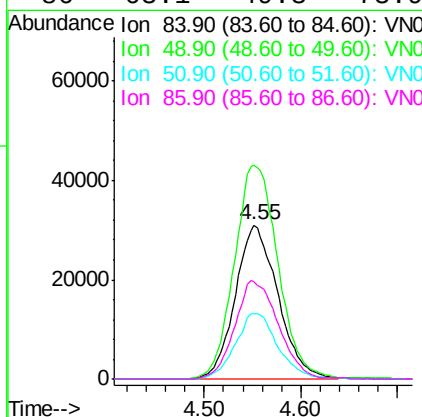
Manual Integrations
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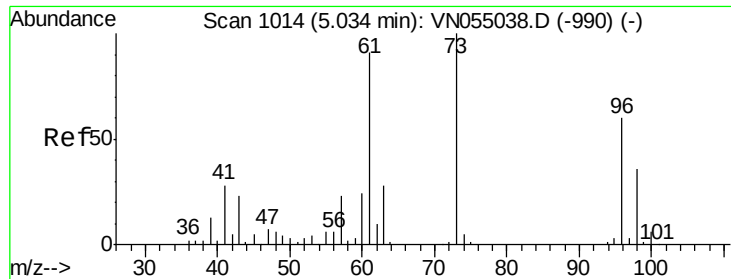
MMDadoda
4/22/2019 10:07:28 AM



#20
Methylene Chloride
Concen: 18.970 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion: 84 Resp: 94545
Ion Ratio Lower Upper
84 100
49 138.6 109.4 164.2
51 42.3 32.2 48.4
86 63.1 49.3 73.9





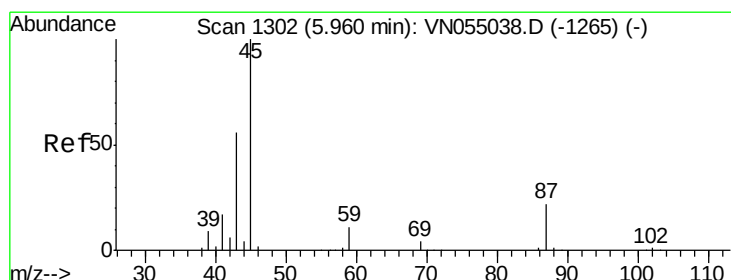
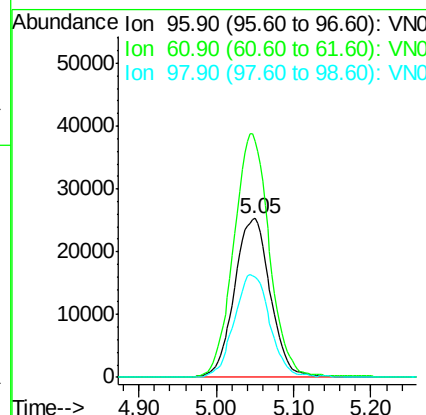
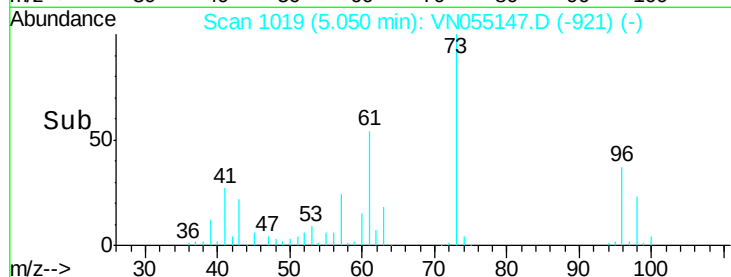
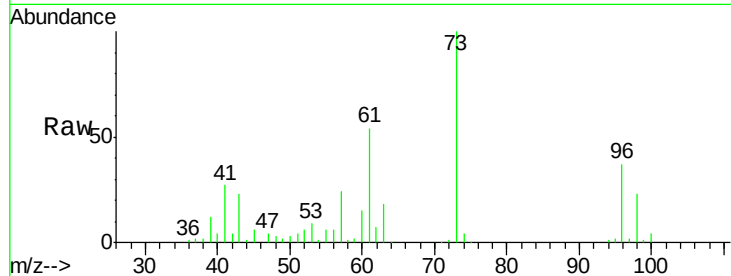
#21
trans-1,2-Dichloroethene
Concen: 19.357 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.5	114.9	172.3
98	63.0	48.4	72.6

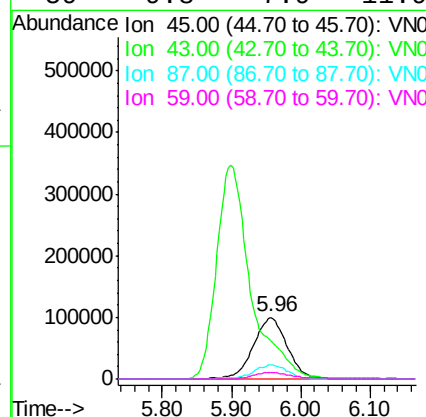
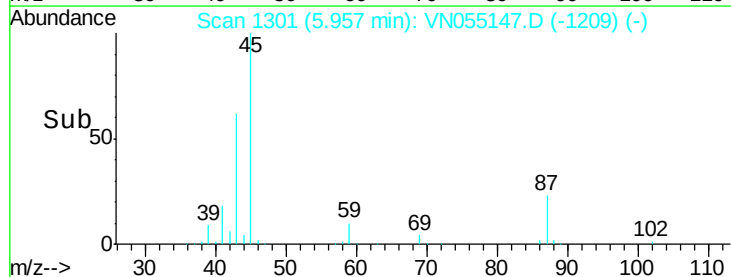
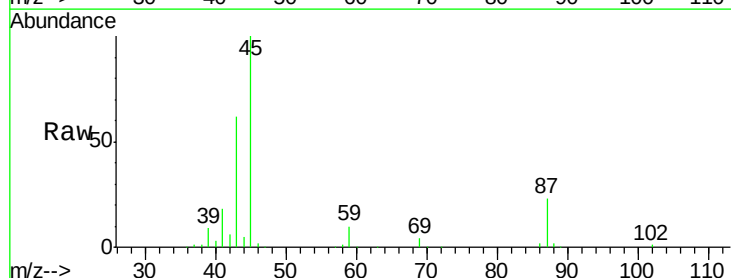
Manual Integrations
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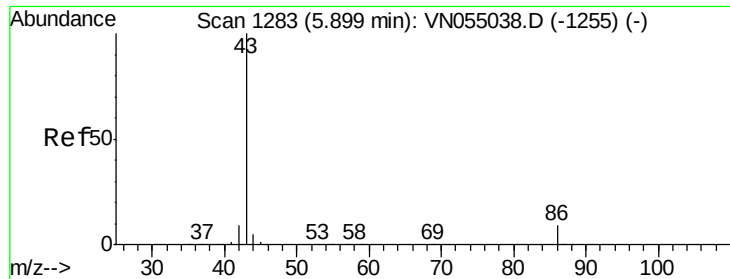
MMDadoda
4/22/2019 10:07:28 AM



#22
Diisopropyl ether
Concen: 21.559 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	44.8	67.2
87	22.6	18.9	28.3
59	9.8	7.9	11.9





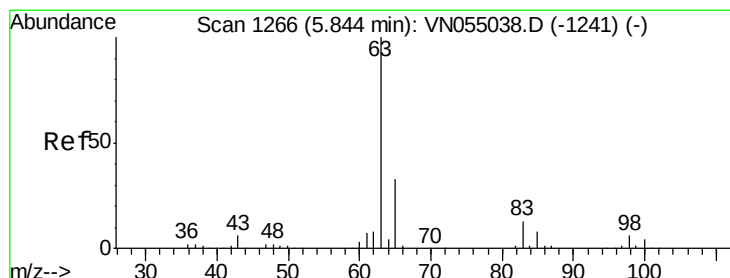
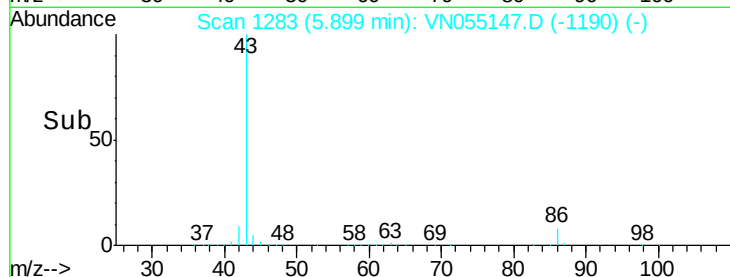
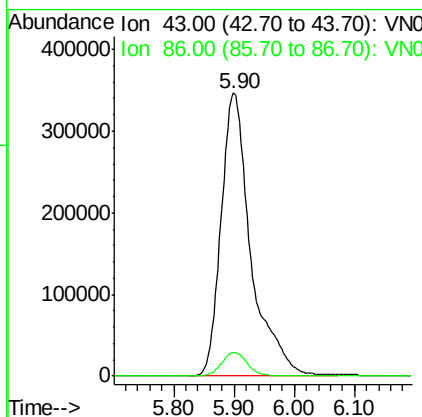
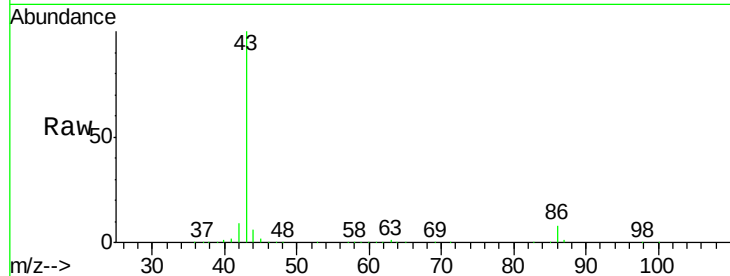
#23
 Vinyl Acetate
 Concen: 115.011 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Tot Ion: 43 Resp: 1193136
 Ion Ratio Lower Upper
 43 100
 86 8.3 7.0 10.4

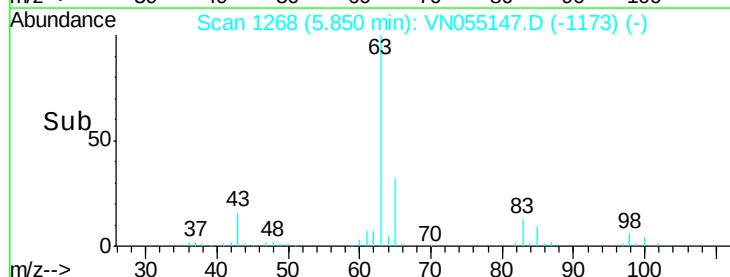
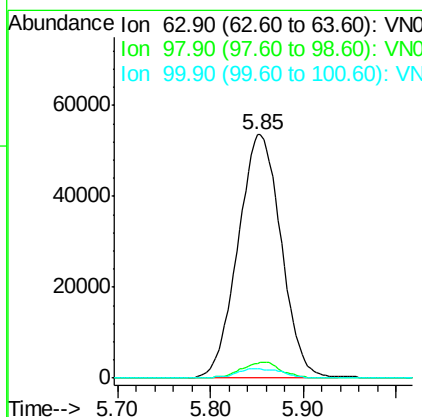
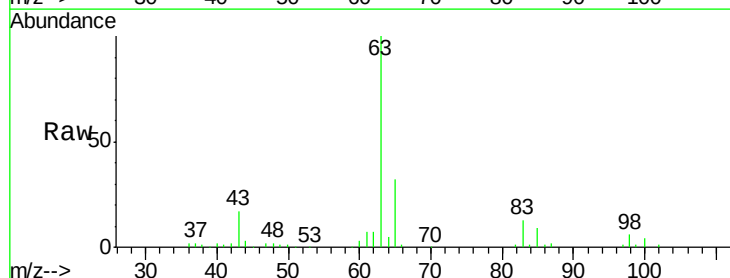
Manual Integrations
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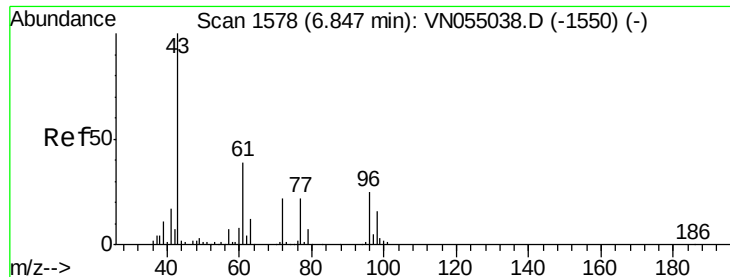
MMDadoda
 4/22/2019 10:07:28 AM



#24
 1,1-Dichloroethane
 Concen: 20.676 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion: 63 Resp: 172809
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.8 8.4
 100 3.8 2.0 5.8





#25

2-Butanone

Concen: 121.445 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

Tot Ion: 43 Resp: 256981

Ion Ratio Lower Upper

43 100

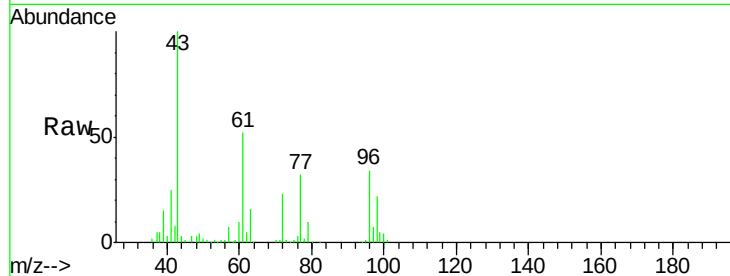
72 22.8 18.1 27.1

Manual Integrations

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MMDadoda

4/22/2019 10:07:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

80000

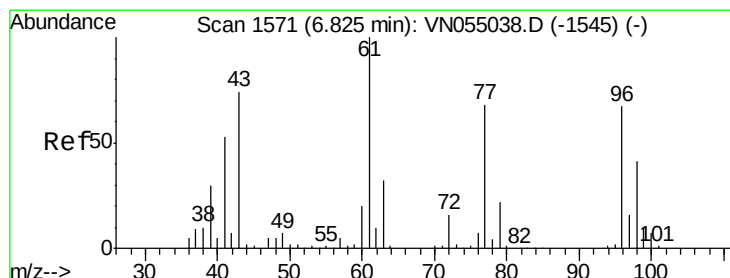
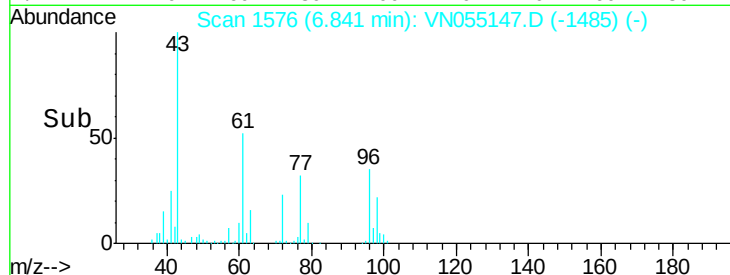
60000

40000

20000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 21.166 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055147.D

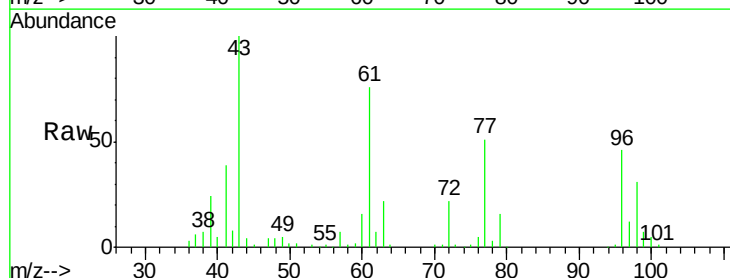
Acq: 19 Apr 2019 19:04

Tgt Ion: 77 Resp: 111653

Ion Ratio Lower Upper

77 100

97 22.4 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

40000

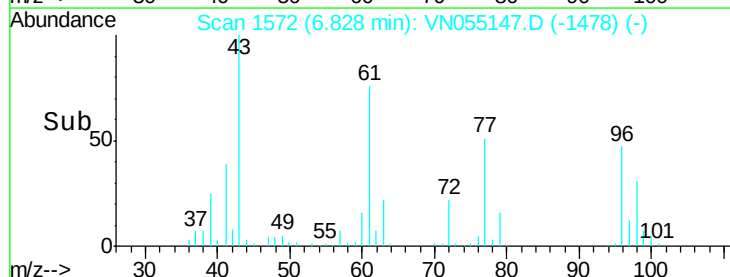
30000

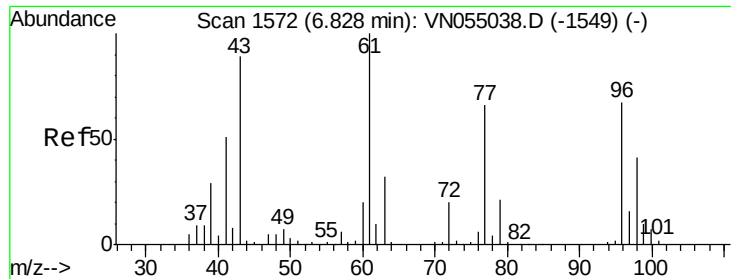
20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 20.035 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

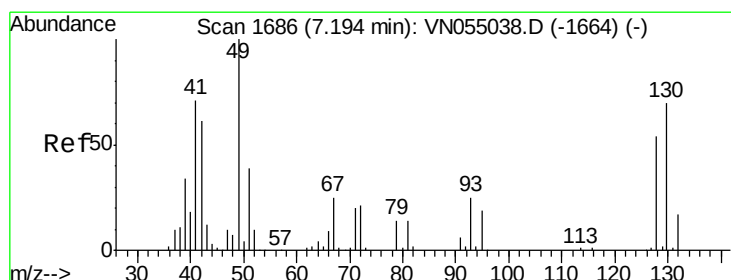
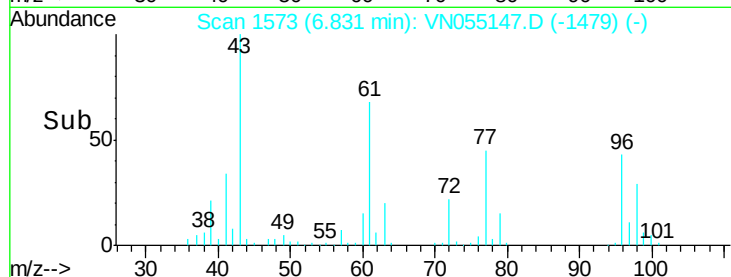
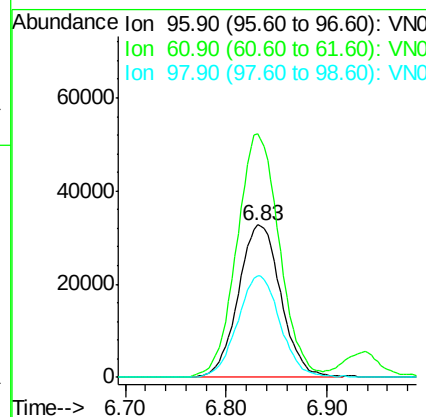
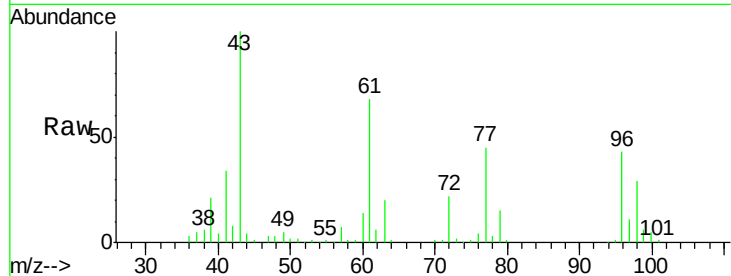
ClientSampleId :

VN0419WBS02

Tot Ion:	96	Resp:	95619
Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	311.0
98	66.7	0.0	127.4

Manual Integrations
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4/22/2019 10:07:28 AM



#28

Bromochloromethane

Concen: 21.263 ug/l

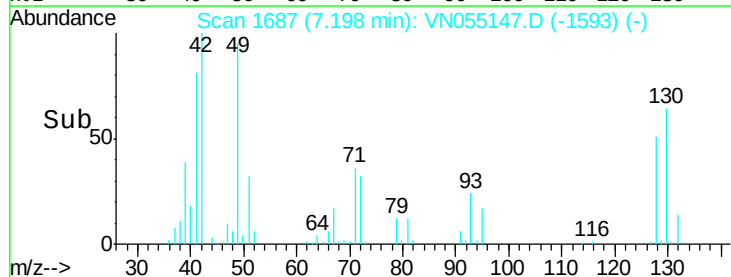
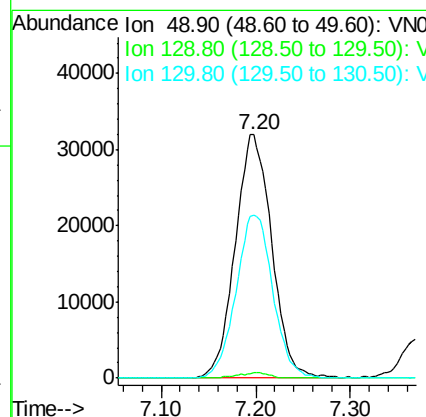
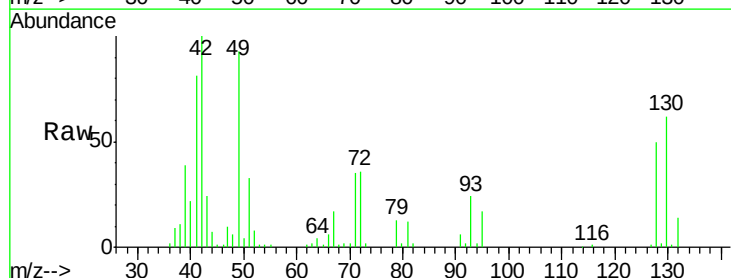
RT: 7.20 min Scan# 1687

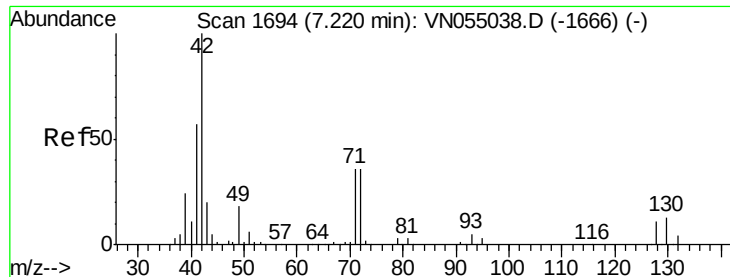
Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Tgt Ion:	49	Resp:	85668
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.0
130	67.6	53.4	80.2





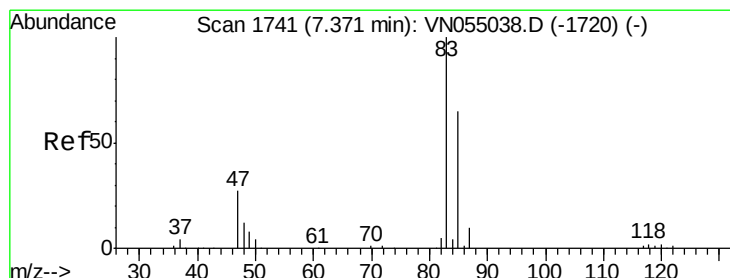
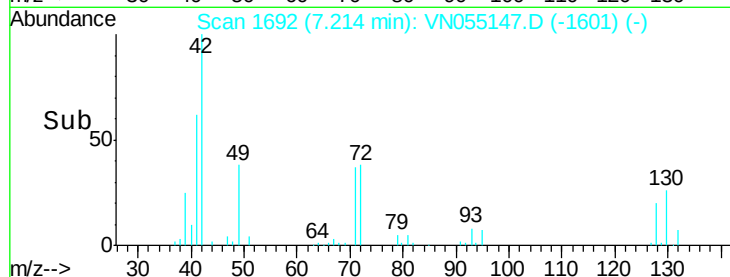
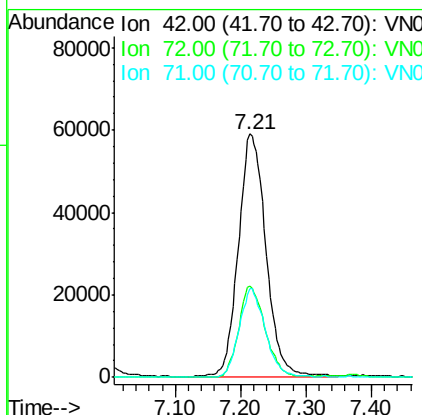
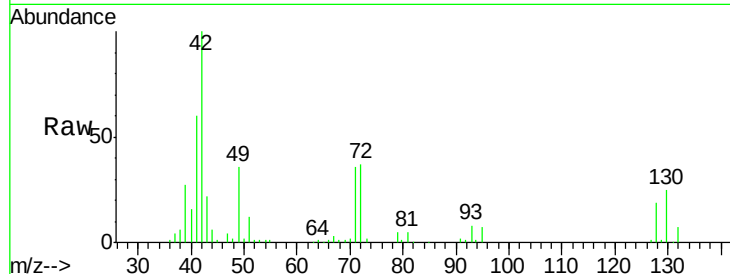
#29
Tetrahydrofuran
Concen: 125.999 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.01 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.6	29.4	44.0
71	34.3	27.8	41.6

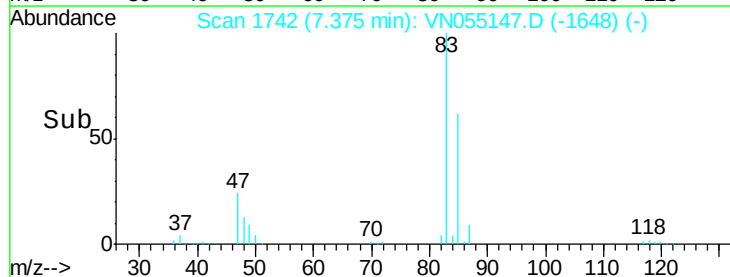
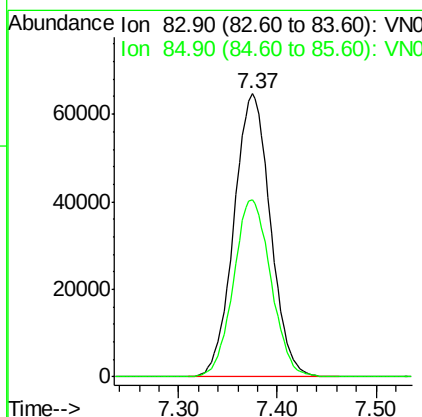
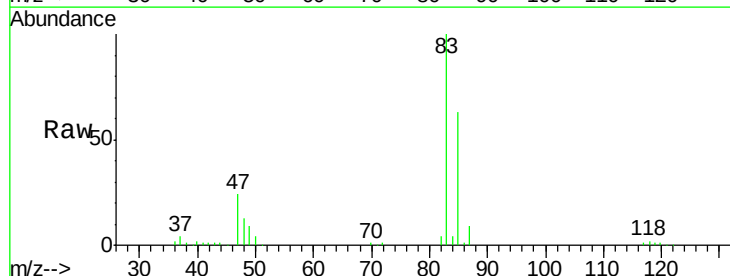
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APPROVED

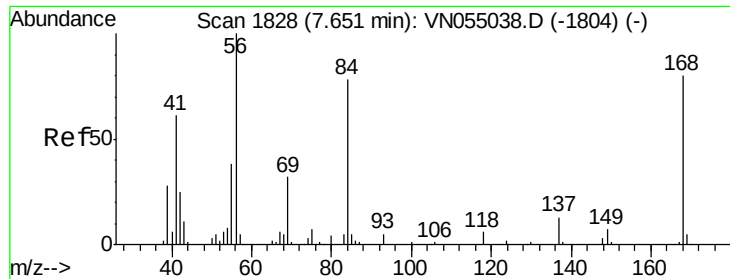
MMDadoda
4/22/2019 10:07:28 AM



#30
Chloroform
Concen: 20.488 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6





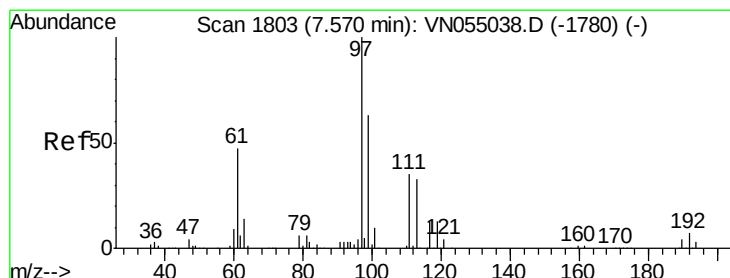
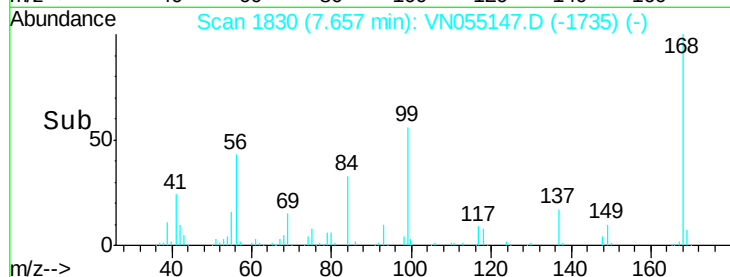
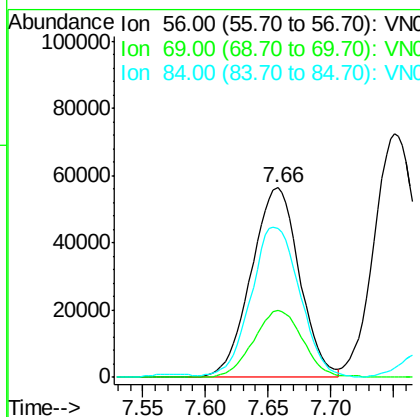
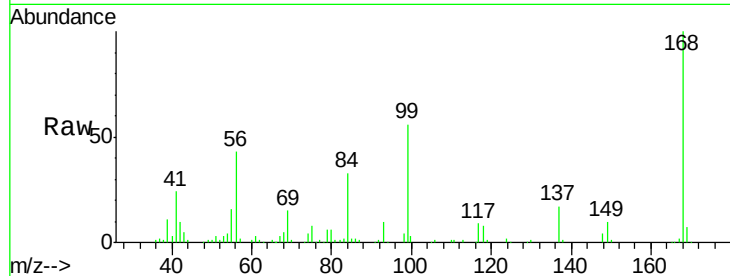
#31
Cyclohexane
Concen: 19.666 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	24.5	36.7
84	77.1	62.9	94.3

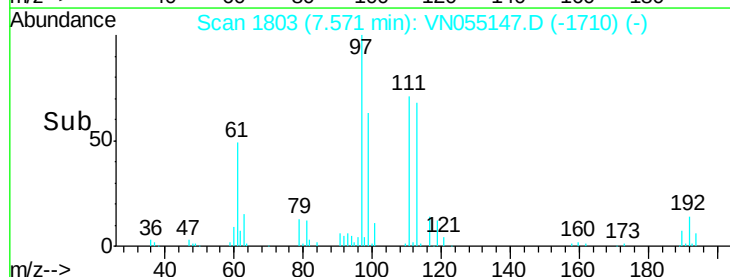
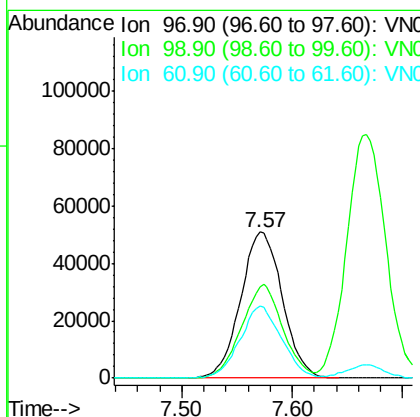
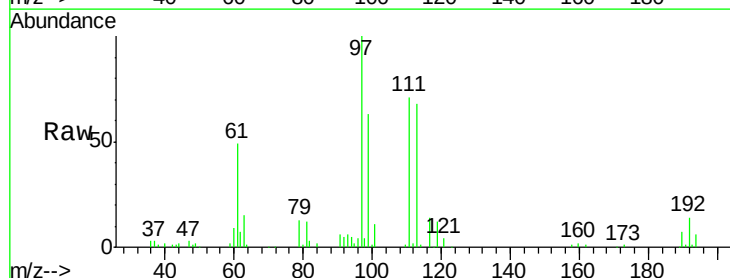
Manual Integrations
APPROVED

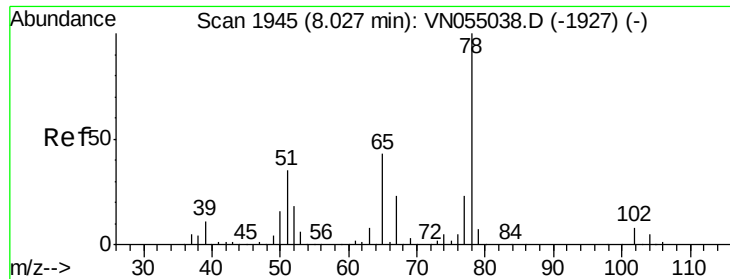
MMDadoda
4/22/2019 10:07:28 AM



#32
1,1,1-Trichloroethane
Concen: 20.759 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.6	77.4
61	48.9	38.3	57.5





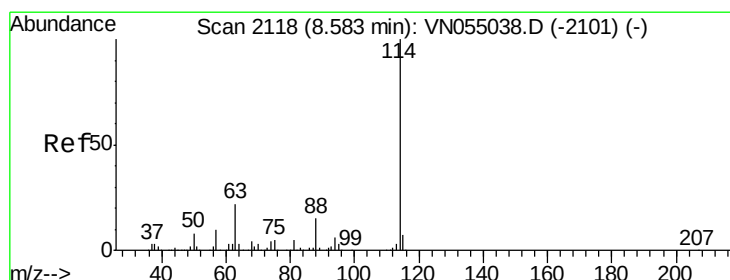
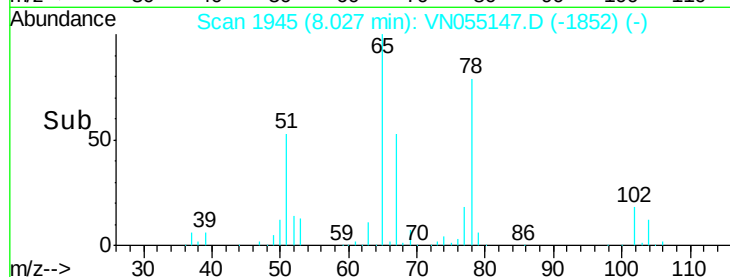
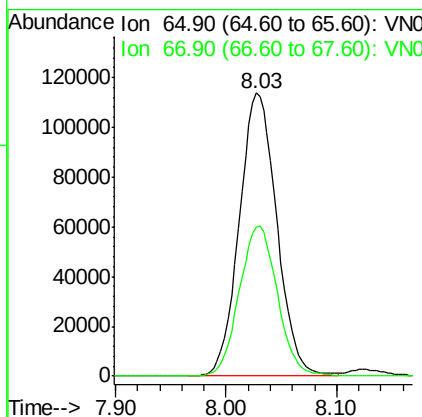
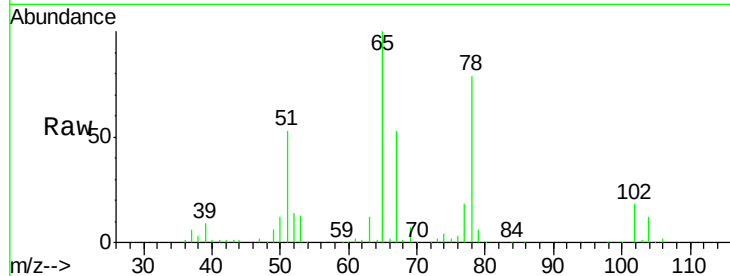
#33
 1,2-Dichloroethane-d4
 Concen: 51.266 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	267793		
67	54.0	0.0	106.4	

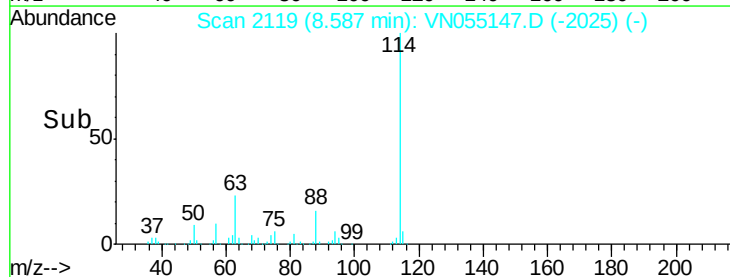
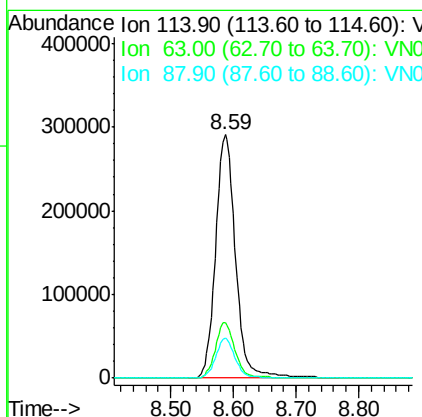
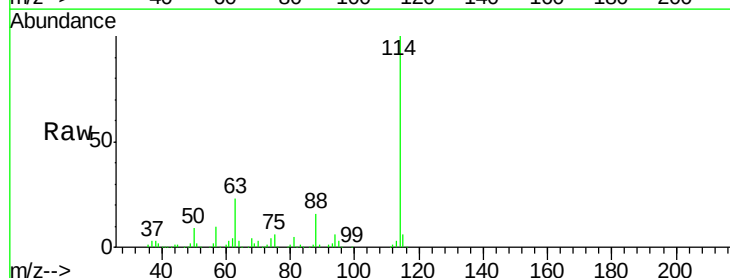
Manual Integrations
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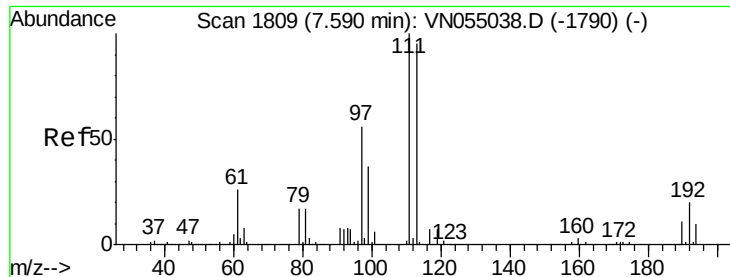
MMDadoda
 4/22/2019 10:07:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	644478		
63	23.0	0.0	45.2	
88	16.3	0.0	31.8	





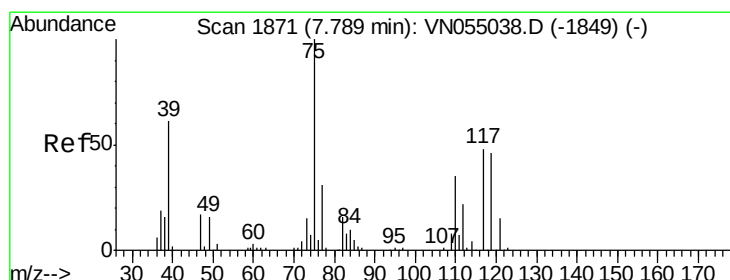
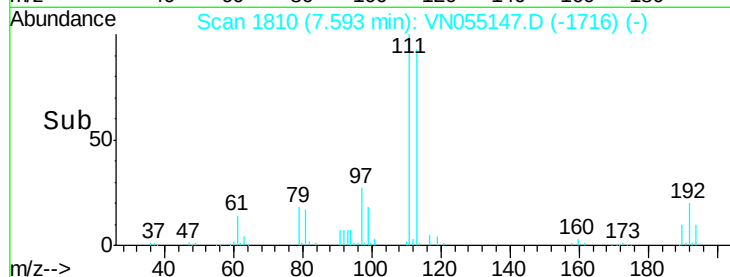
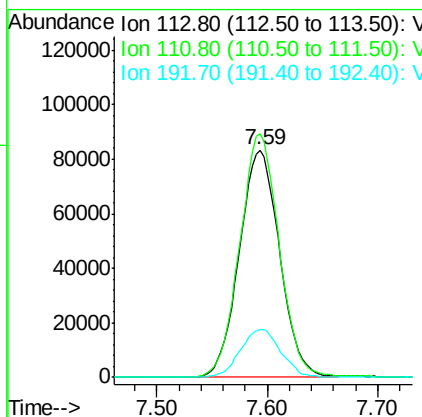
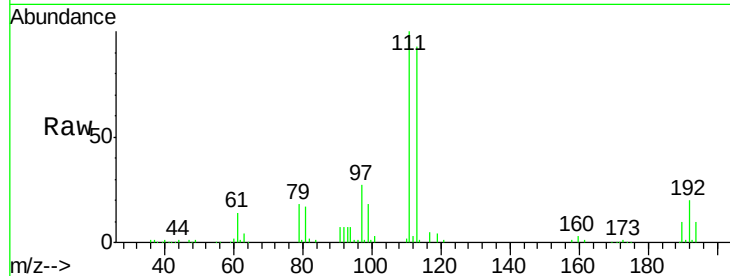
#35
 Dibromofluoromethane
 Concen: 48.925 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	210725		
111	105.1	82.1	123.1	
192	21.2	16.5	24.7	

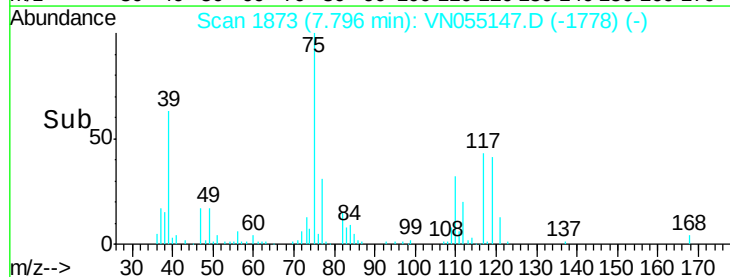
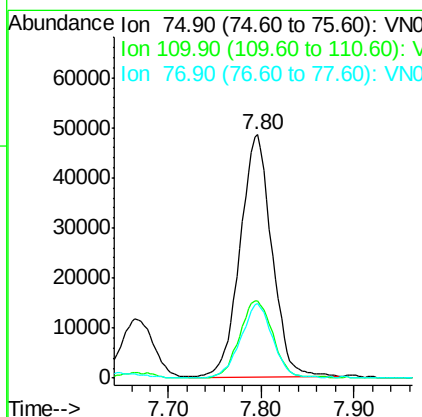
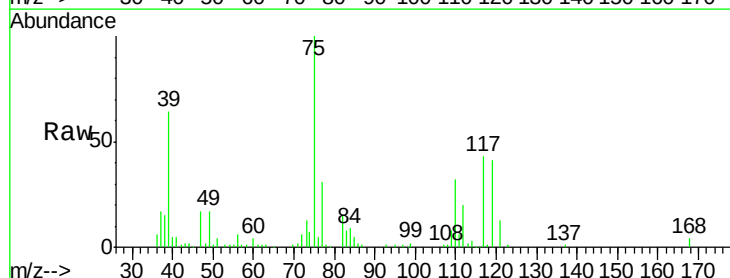
Manual Integrations
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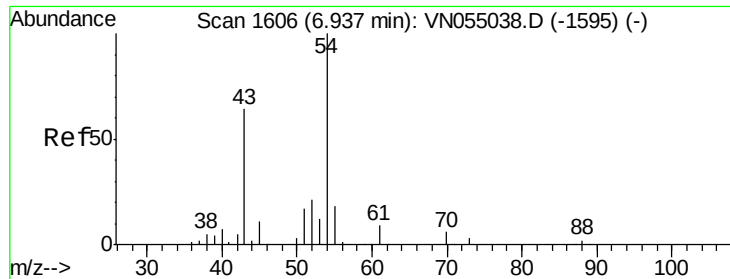
MMDadoda
 4/22/2019 10:07:28 AM



#36
 1,1-Dichloropropene
 Concen: 18.981 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.01 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	115319		
110	33.3	17.5	52.5	
77	30.8	24.9	37.3	





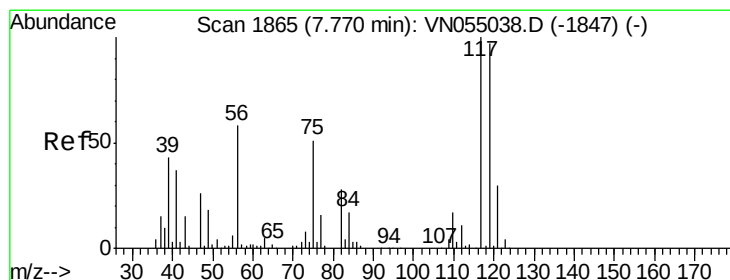
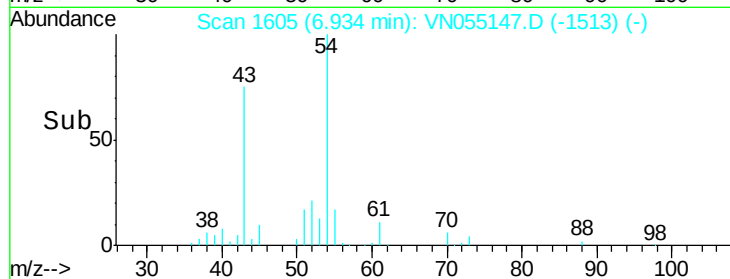
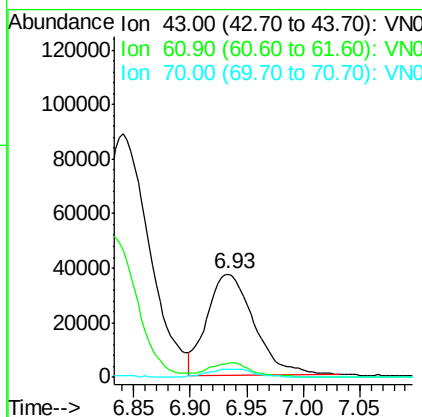
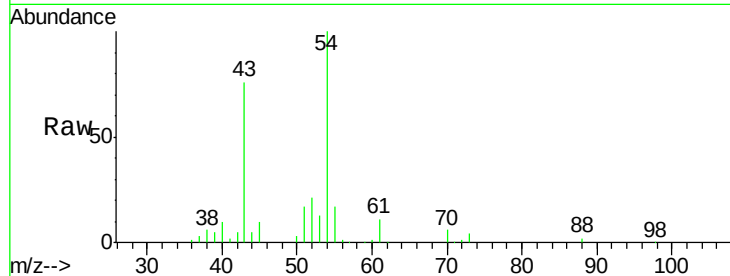
#37
Ethyl Acetate
Concen: 21.677 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.0	15.0
70	5.0	7.1	10.7

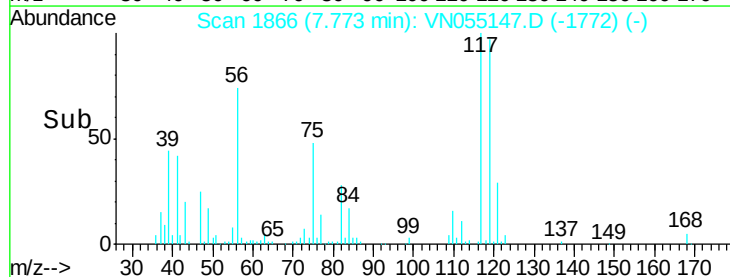
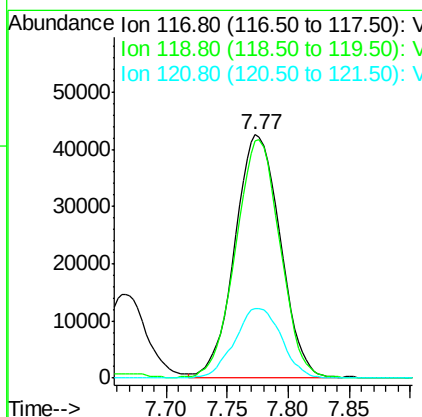
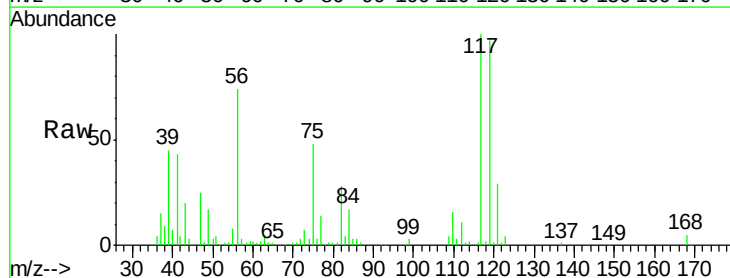
Manual Integrations
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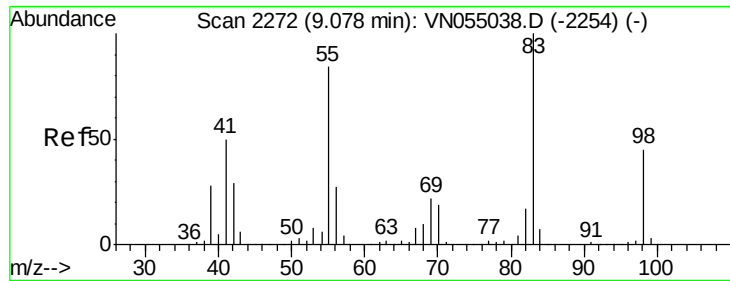
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.894 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.3	114.5
121	28.7	23.9	35.9





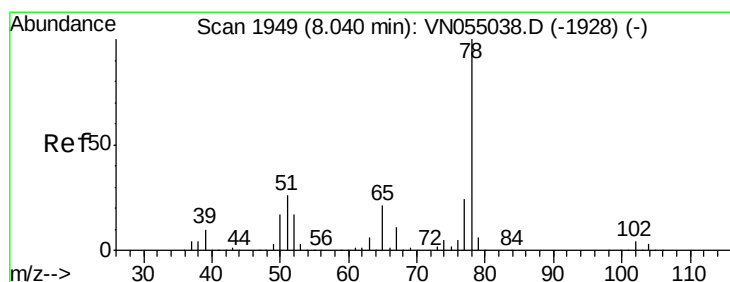
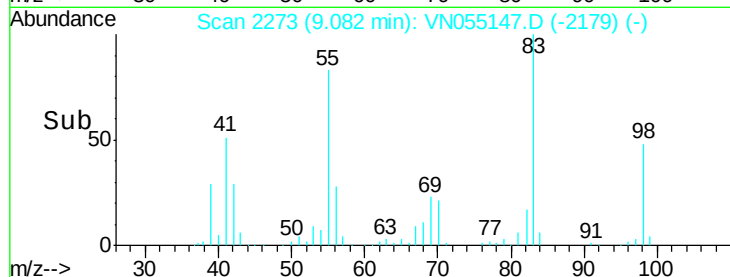
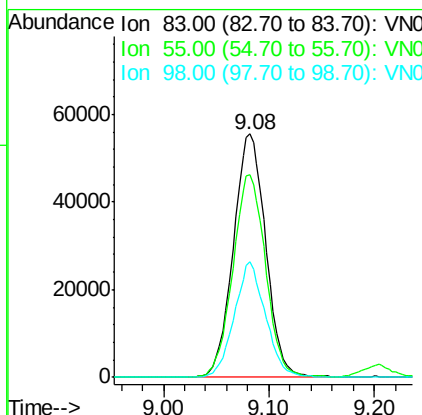
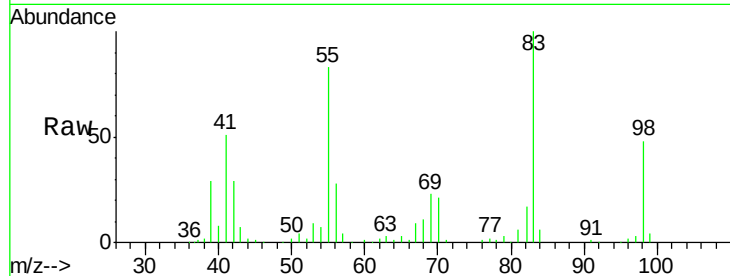
#39
Methylvlcyclohexane
Concen: 17.923 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS02

Tot Ion	83	Resp	117996
Ion Ratio	Lower	Upper	
83	100		
55	83.1	67.0	100.4
98	47.7	35.6	53.4

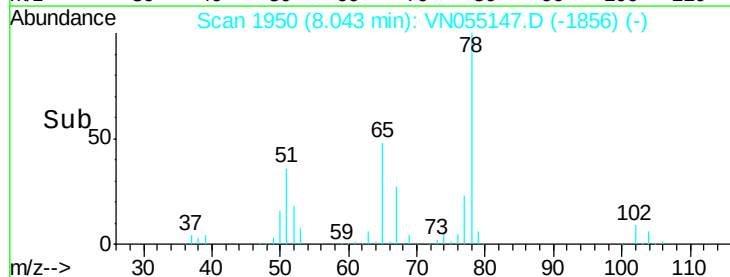
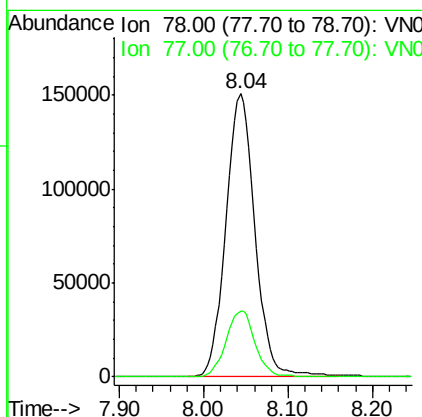
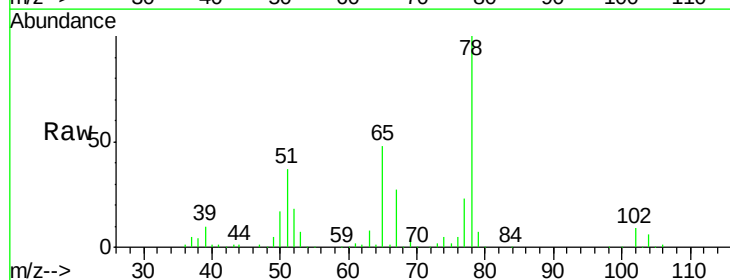
Manual Integrations
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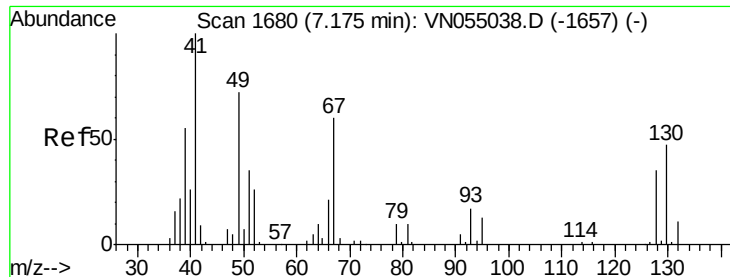
MMDadoda
4/22/2019 10:07:28 AM



#40
Benzene
Concen: 19.770 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion	78	Resp	361998
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.8	28.2





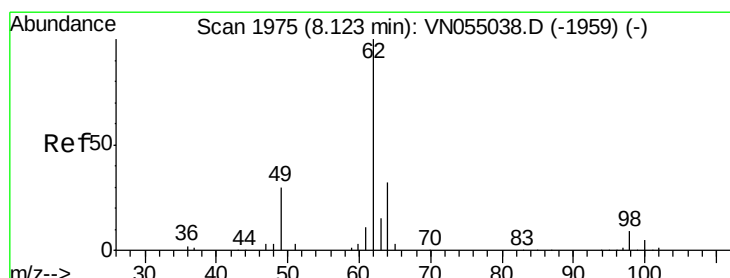
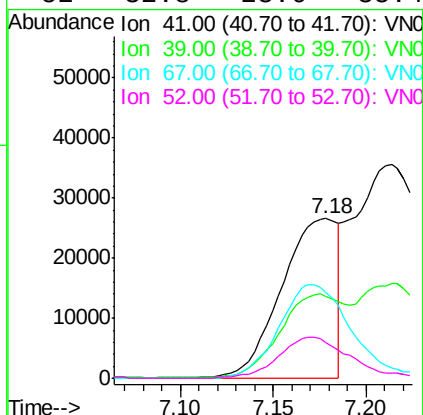
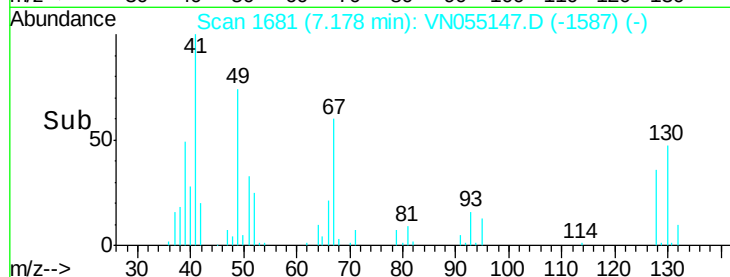
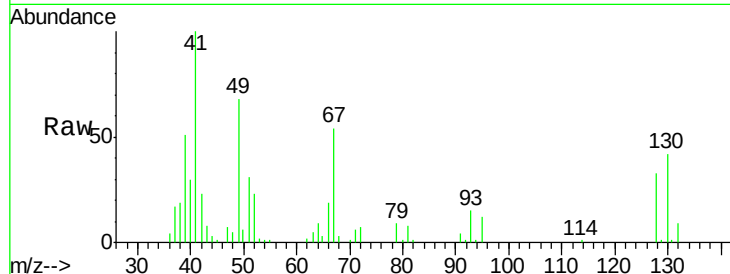
#41
Methacrylonitrile
Concen: 20.398 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.1	45.6	68.4	
67	76.5	57.0	85.6	
52	32.8	23.6	35.4	

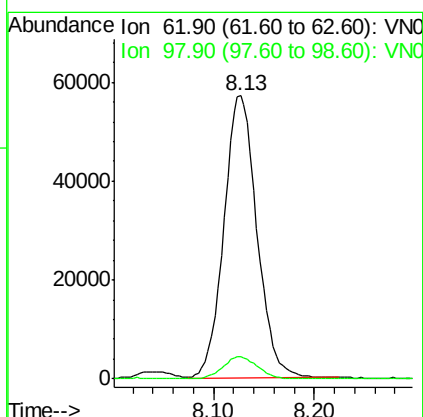
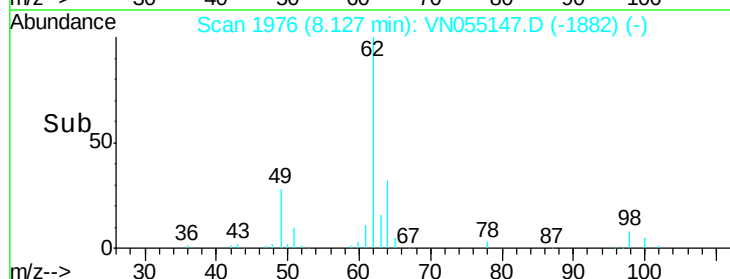
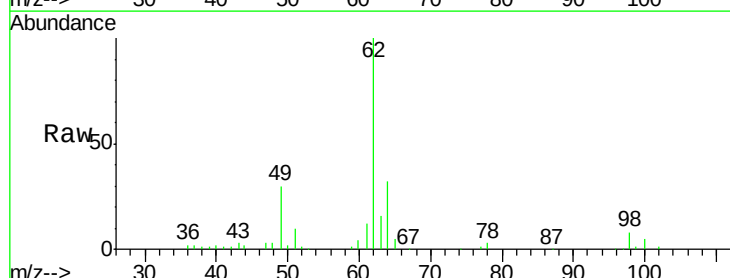
Manual Integrations
APPROVED

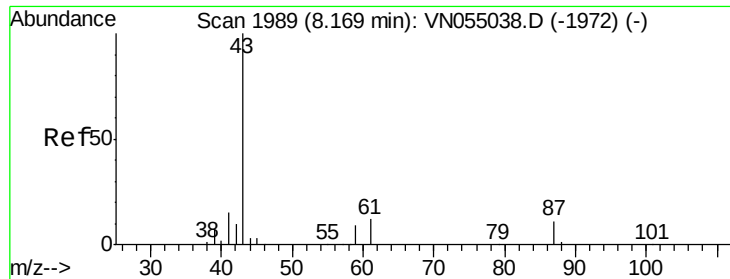
MMDadoda
4/22/2019 10:07:28 AM



#42
1,2-Dichloroethane
Concen: 20.588 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.4	





#43

Isopropyl Acetate

Concen: 23.595 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

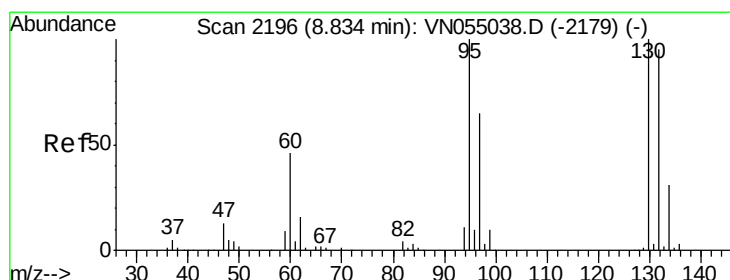
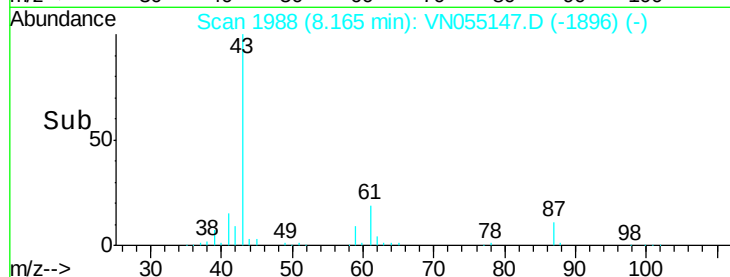
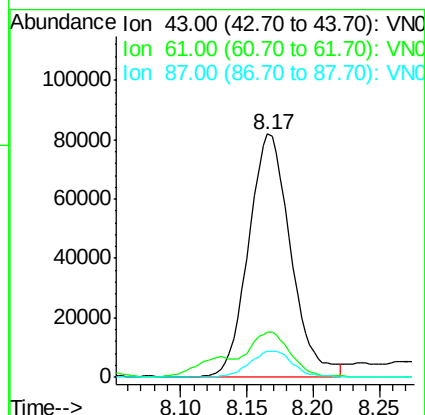
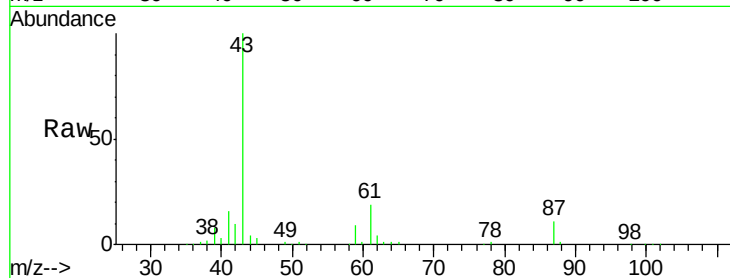
ClientSampleId :

VN0419WBS02

Tot Ion:	43	Resp:	179824
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.3	21.5
87	11.2	8.6	13.0

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#44

Trichloroethene

Concen: 20.106 ug/l

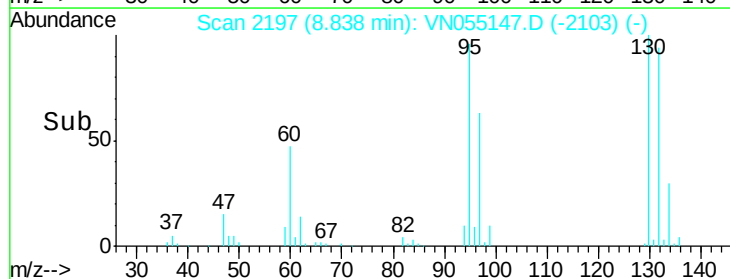
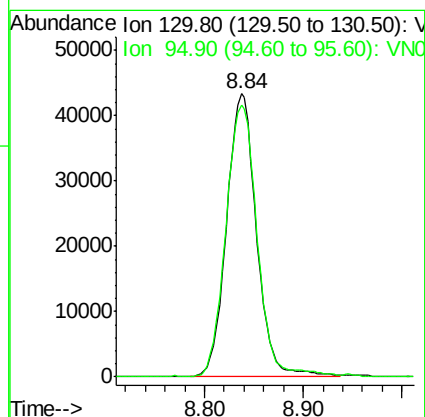
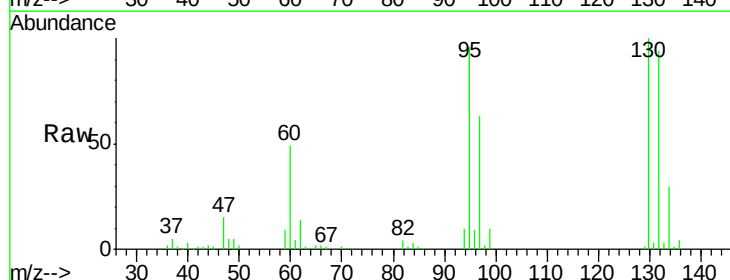
RT: 8.84 min Scan# 2197

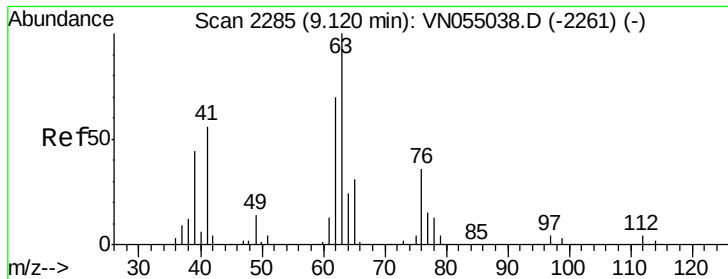
Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Tgt Ion:	130	Resp:	92212
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	201.6





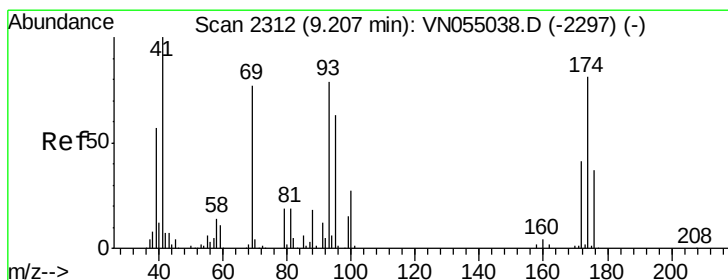
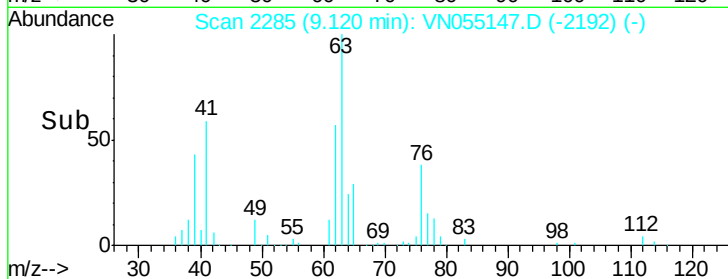
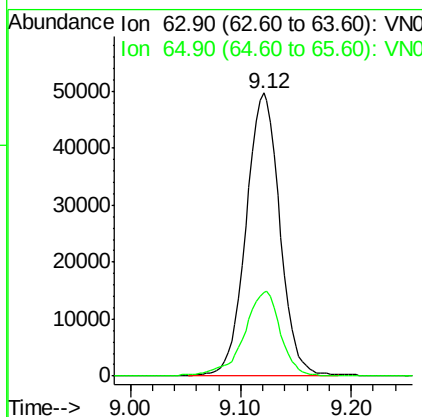
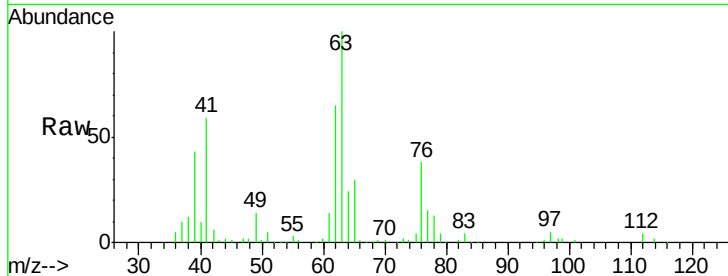
#45
 1,2-Dichloropropane
 Concen: 20.613 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS02

Tot Ion	63	Resp	105259
Ion Ratio	Lower	Upper	
63	100		
65	29.7	24.4	36.6

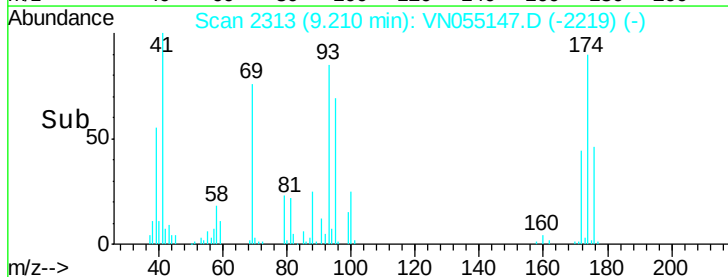
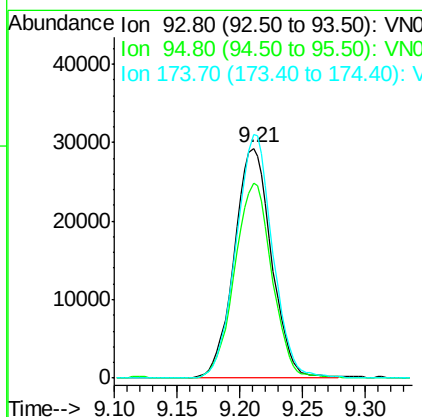
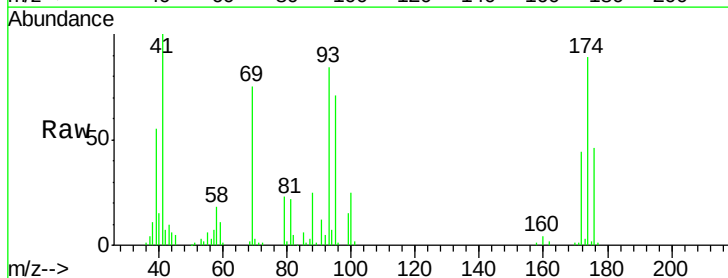
Manual Integrations
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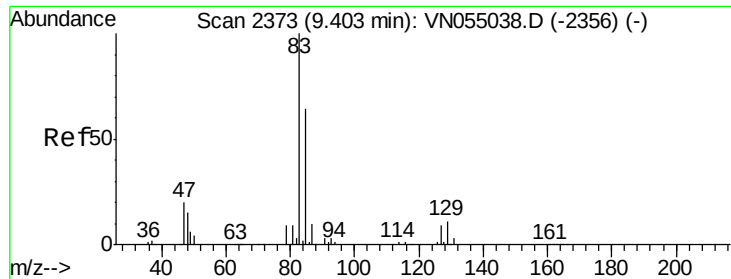
MMDadoda
 4/22/2019 10:07:28 AM



#46
 Dibromomethane
 Concen: 20.815 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion	93	Resp	60501
Ion Ratio	Lower	Upper	
93	100		
95	84.9	65.0	97.6
174	104.0	81.0	121.6





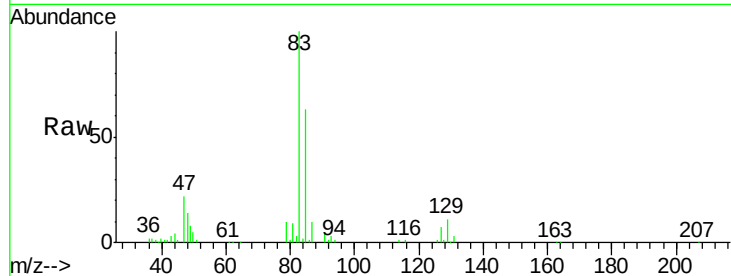
#47
Bromodichloromethane
Concen: 20.550 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

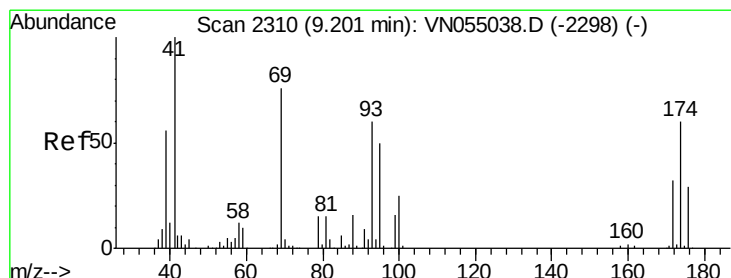
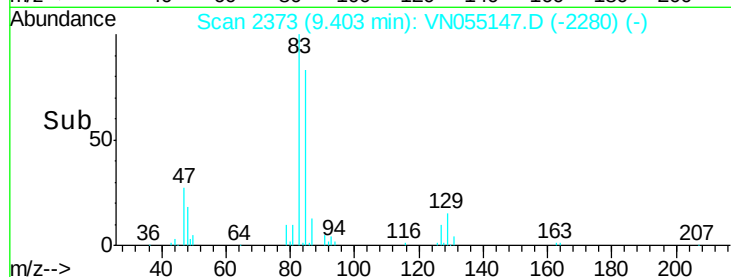
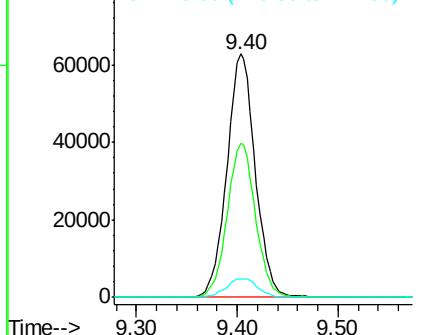
Tot Ion	Ratio	Resp	Lower	Upper
83	100	123149		
85	63.1	51.2	76.8	
127	7.5	6.8	10.2	

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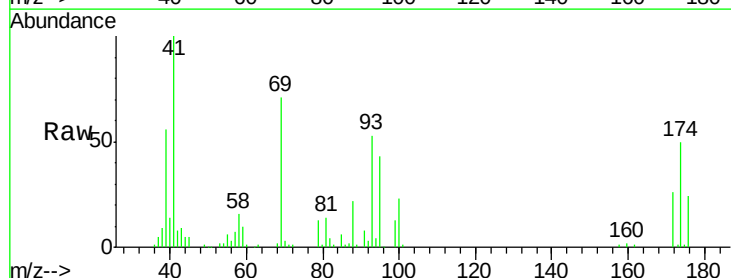


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

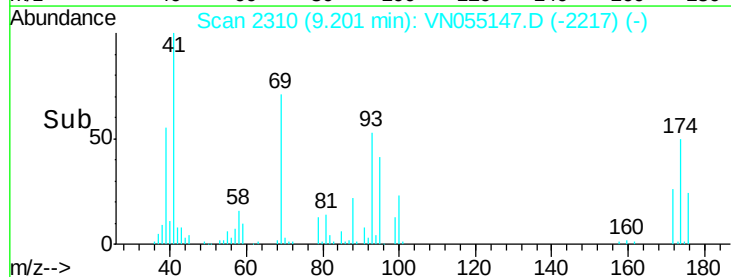
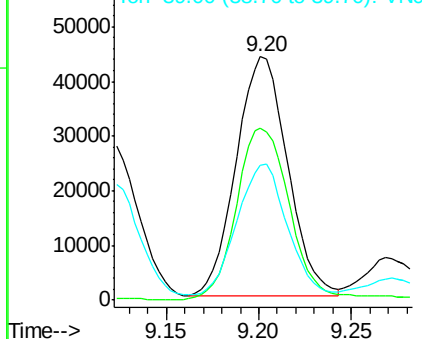


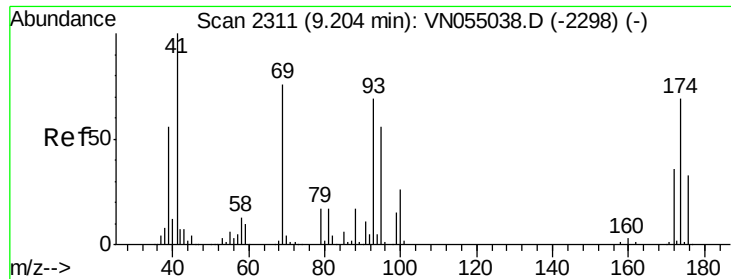
#48
Methyl methacrylate
Concen: 22.405 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	84635		
69	74.2	60.5	90.7	
39	56.5	43.9	65.9	



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 588.767 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

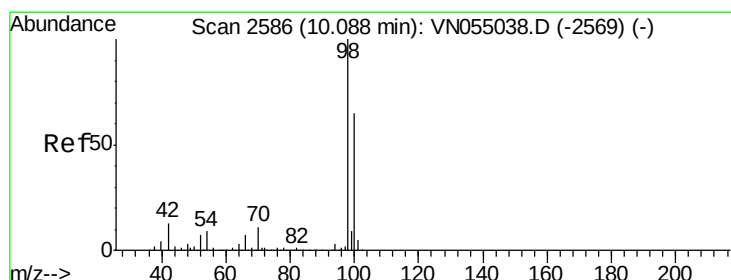
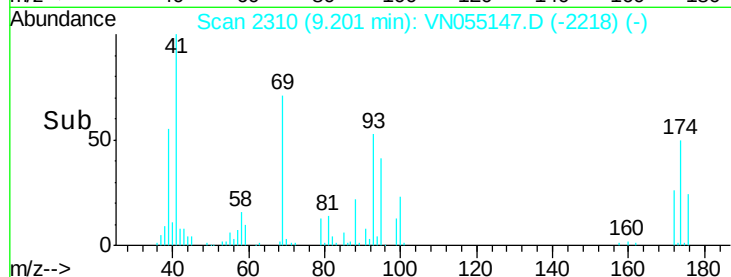
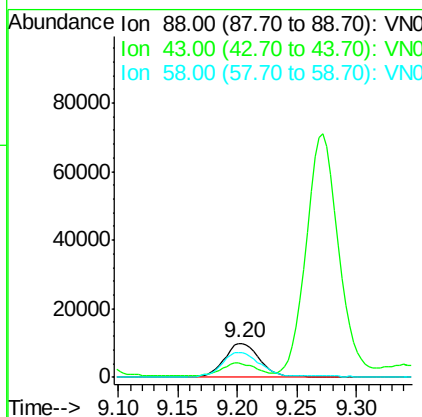
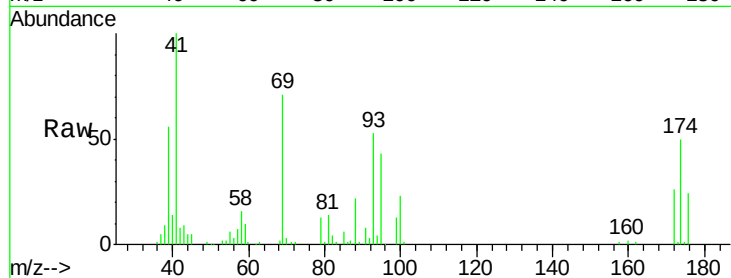
ClientSampleId :

VN0419WBS02

Tot Ion:	88	Resp:	20837
Ion	Ratio	Lower	Upper
88	100		
43	36.8	31.8	47.8
58	79.0	61.6	92.4

Manual Integrations
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#50

Toluene-d8

Concen: 48.503 ug/l

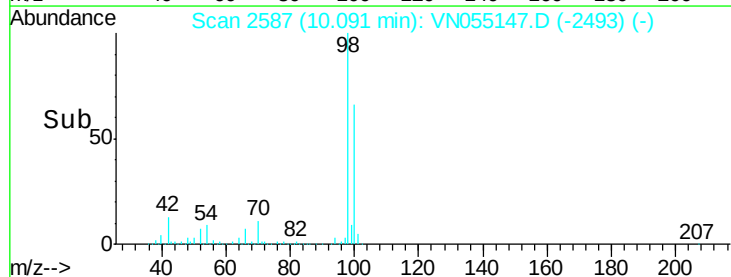
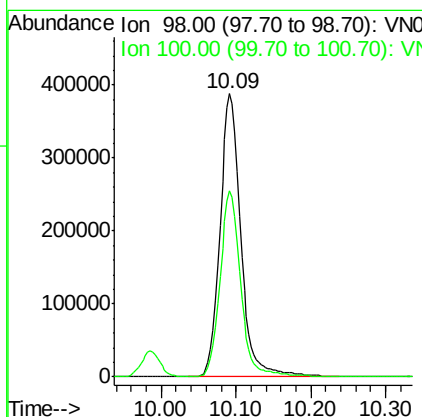
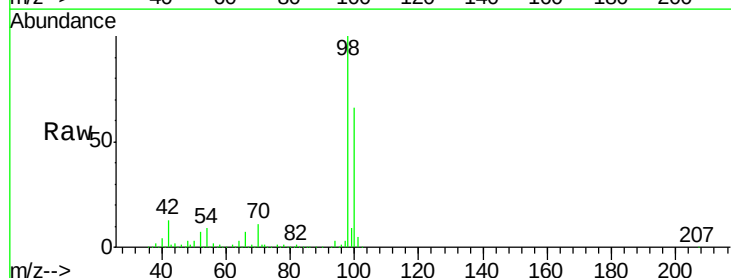
RT: 10.09 min Scan# 2587

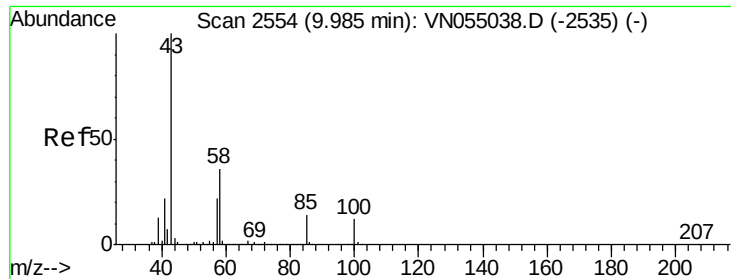
Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Tgt Ion:	98	Resp:	747699
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 120.069 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

Tot Ion: 43 Resp: 528660

Ion Ratio Lower Upper

43 100

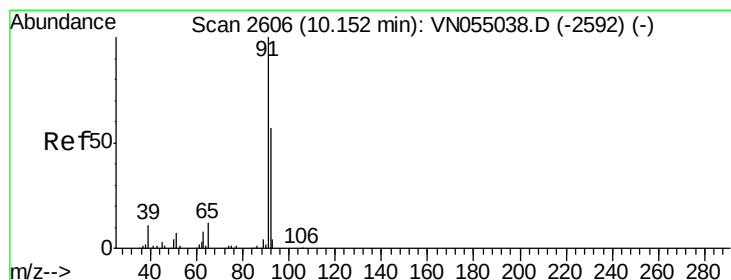
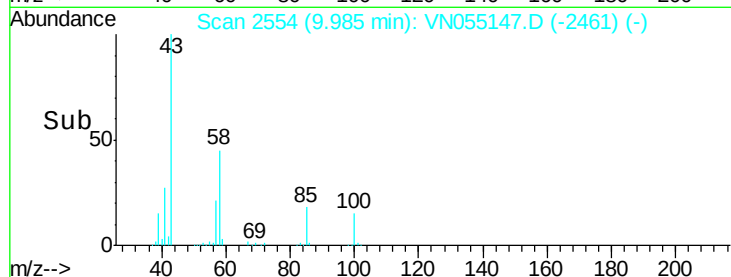
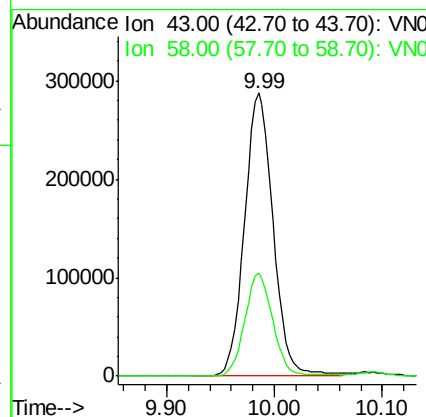
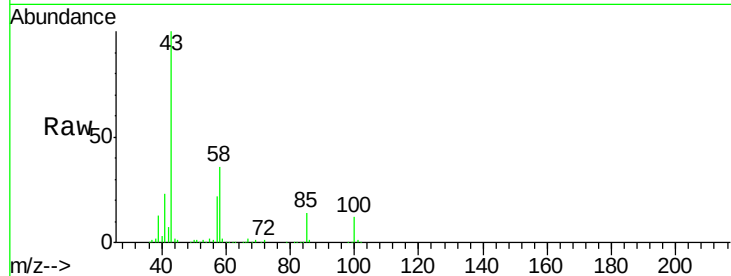
58 35.6 29.0 43.4

Manual Integrations

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4/22/2019 10:07:28 AM



#52

Toluene

Concen: 20.061 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.01 min

Lab File: VN055147.D

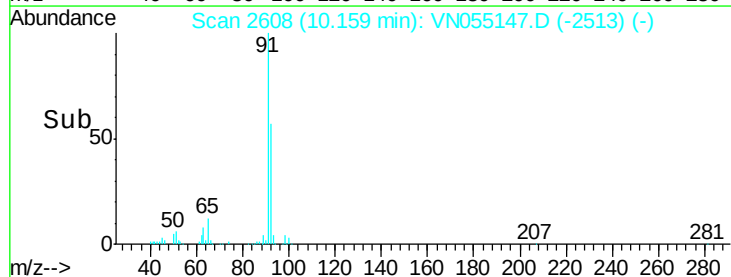
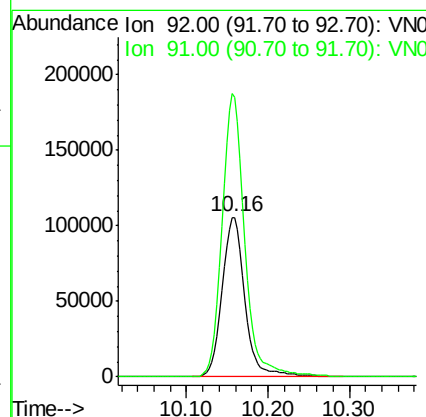
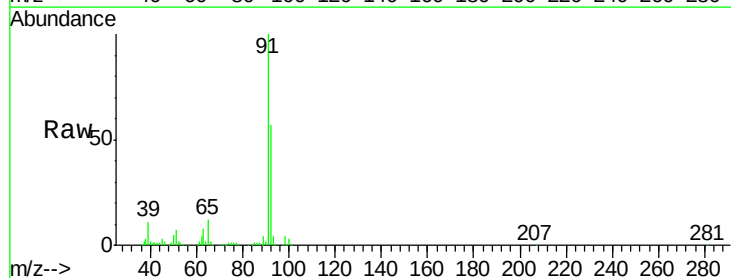
Acq: 19 Apr 2019 19:04

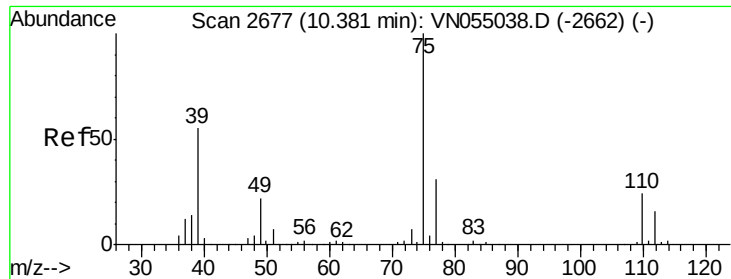
Tgt Ion: 92 Resp: 210381

Ion Ratio Lower Upper

92 100

91 175.5 140.8 211.2





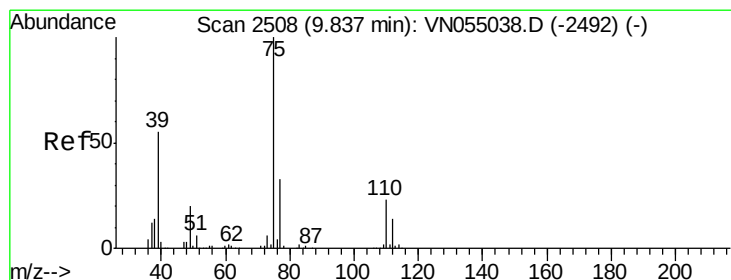
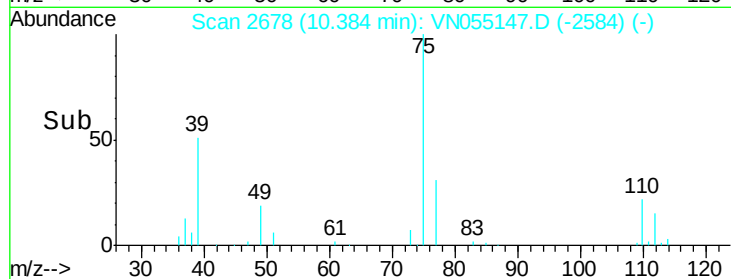
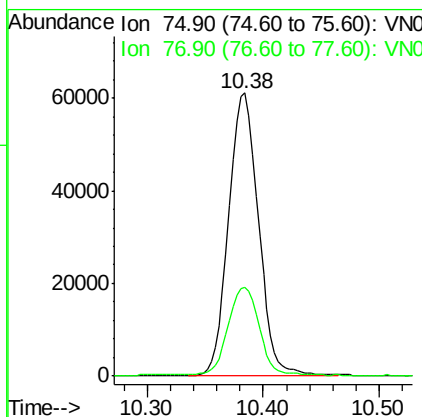
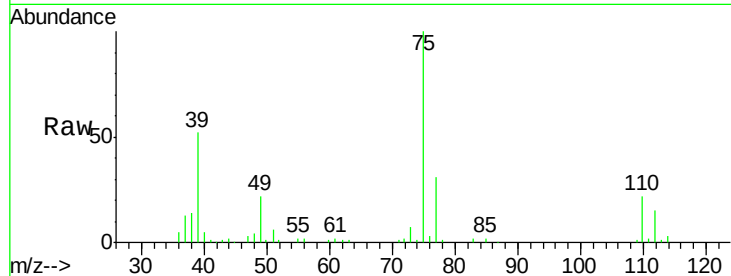
#53
 t-1,3-Dichloropropene
 Concen: 20.910 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS02

Tot Ion: 75 Resp: 109508
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0

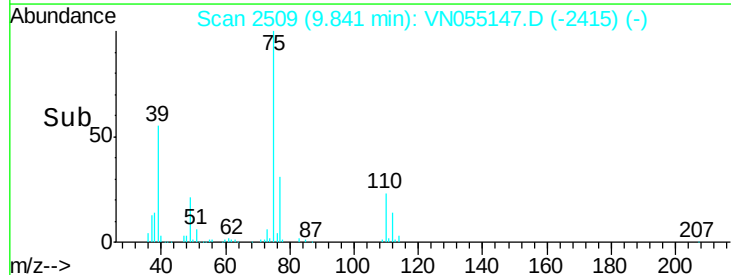
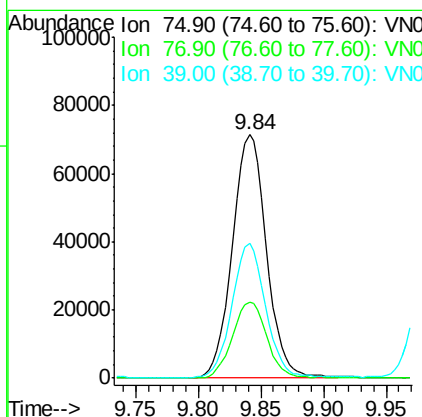
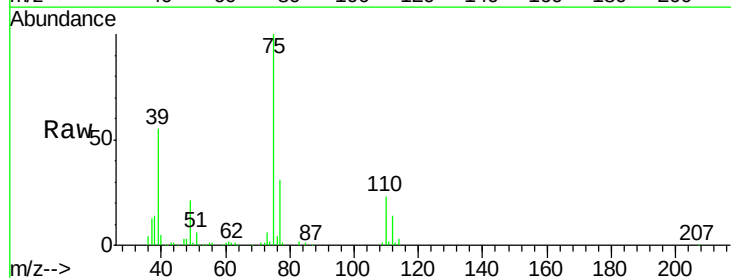
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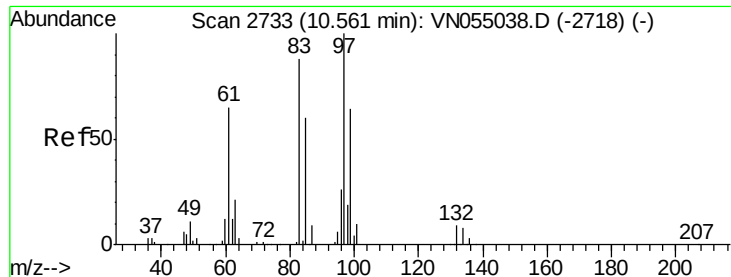
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#54
 cis-1,3-Dichloropropene
 Concen: 20.809 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion: 75 Resp: 135252
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.8 38.6
 39 55.0 43.8 65.8





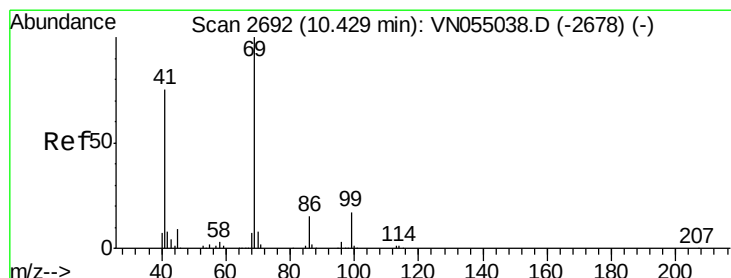
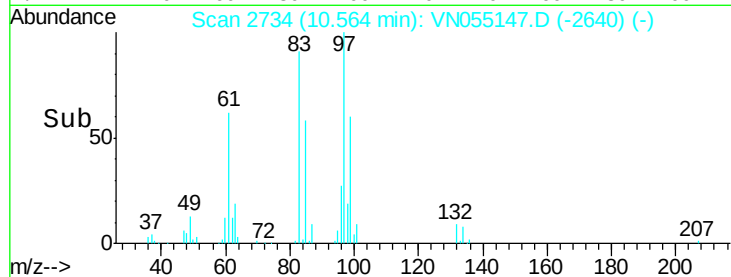
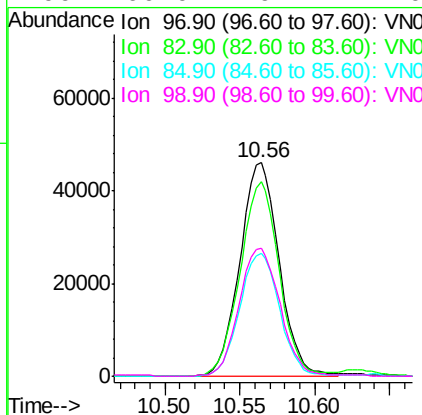
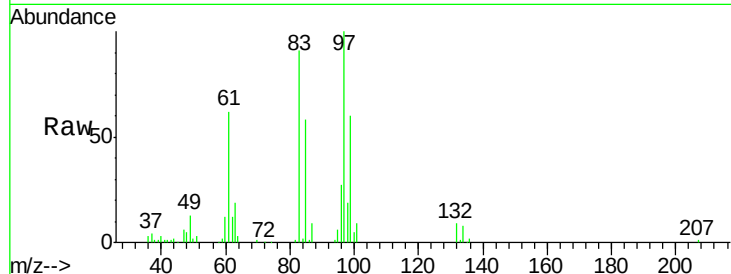
#55
 1,1,2-Trichloroethane
 Concen: 20.864 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Tot Ion:	97	Resp:	84299
Ion	Ratio	Lower	Upper
97	100		
83	91.1	70.5	105.7
85	57.6	45.5	68.3
99	60.0	49.4	74.0

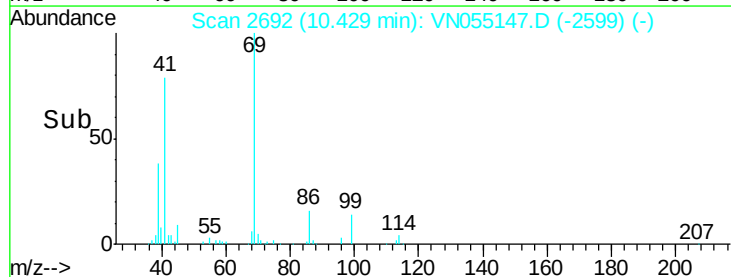
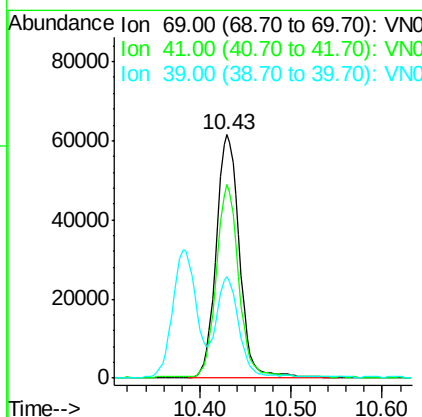
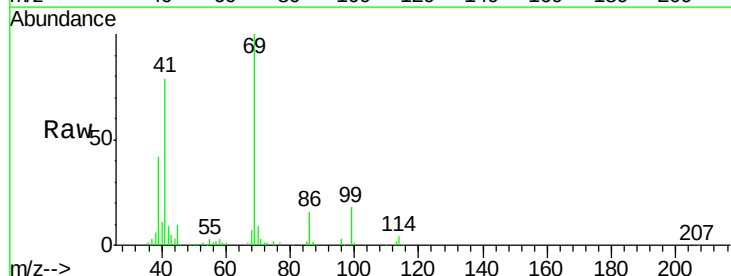
Manual Integrations
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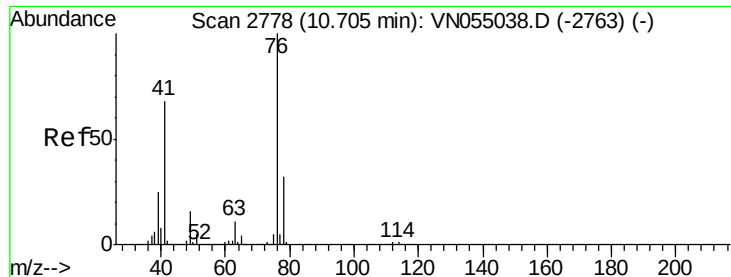
MMDadoda
 4/22/2019 10:07:28 AM



#56
 Ethyl methacrylate
 Concen: 22.629 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion:	69	Resp:	109731
Ion	Ratio	Lower	Upper
69	100		
41	74.9	61.4	92.0
39	39.3	30.8	46.2





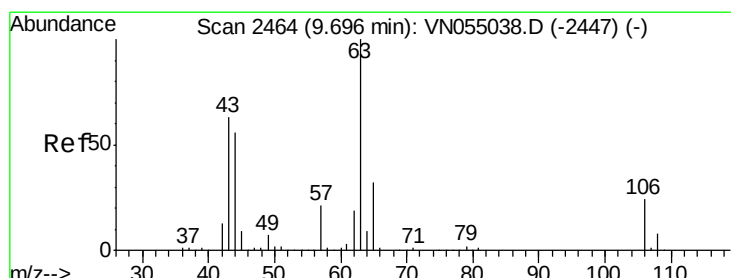
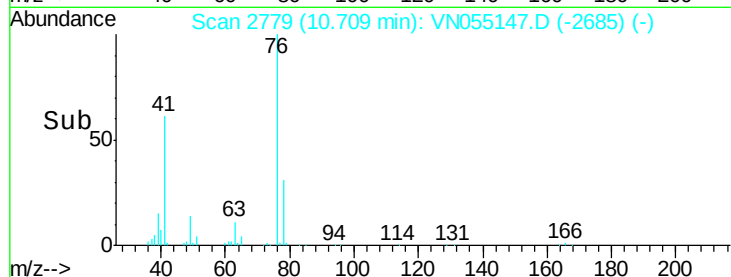
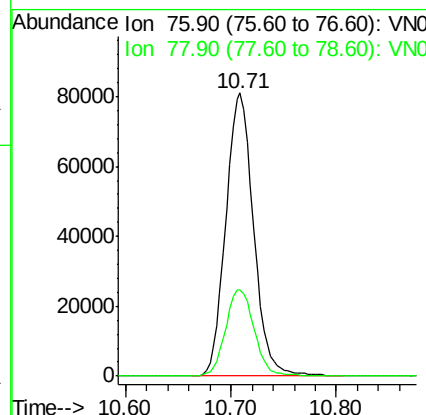
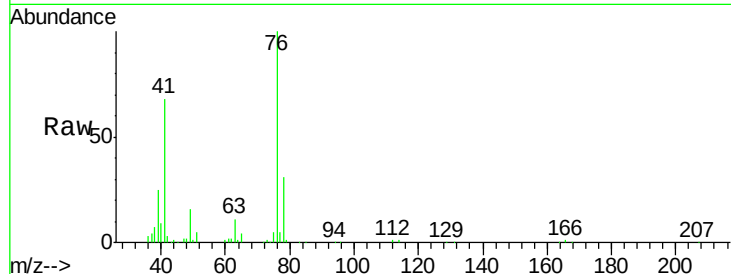
#57
 1,3-Dichloropropane
 Concen: 21.468 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS02

Tot Ion: 76 Resp: 147686
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.6 38.4

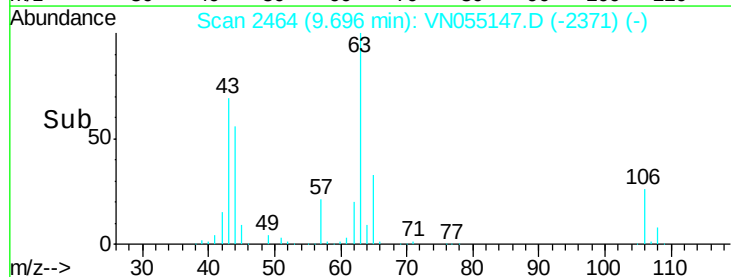
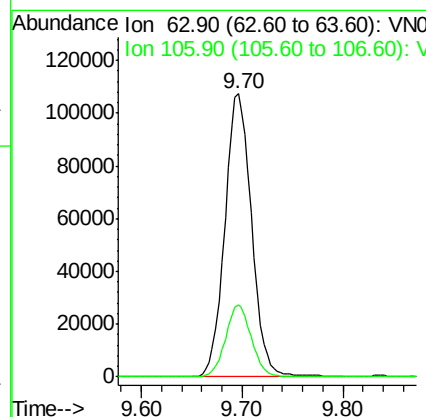
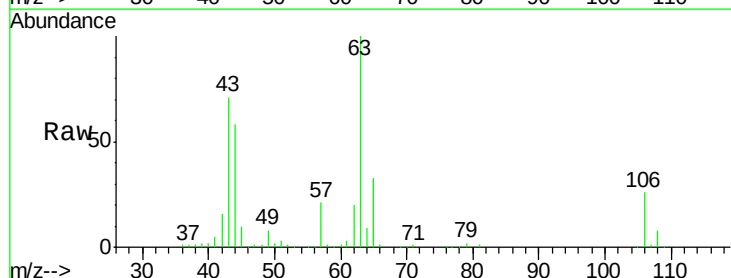
Manual Integrations
 APPROVED

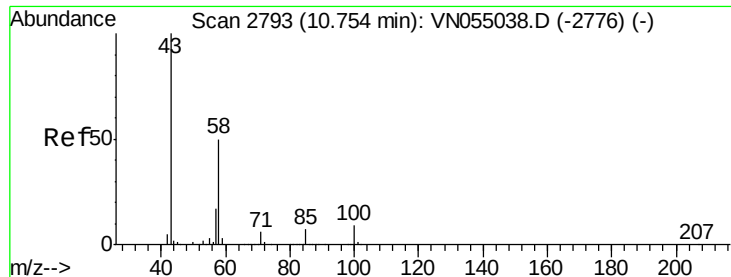
MMDadoda
 4/22/2019 10:07:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.277 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion: 63 Resp: 199263
 Ion Ratio Lower Upper
 63 100
 106 24.4 20.0 30.0





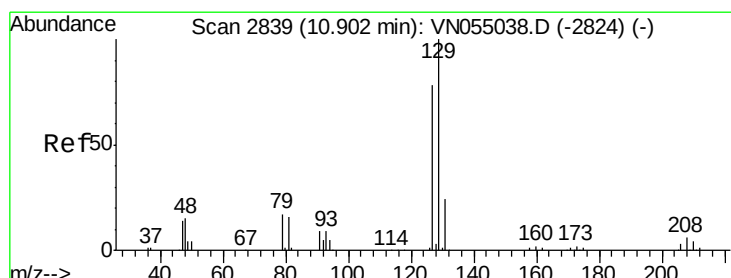
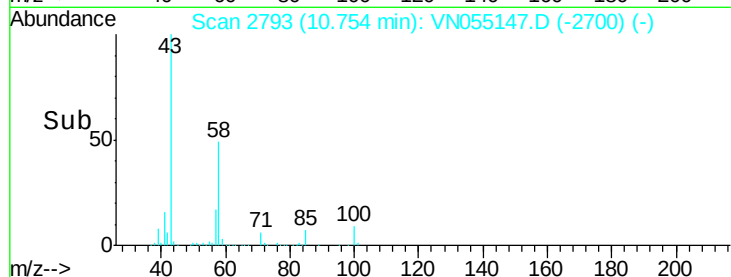
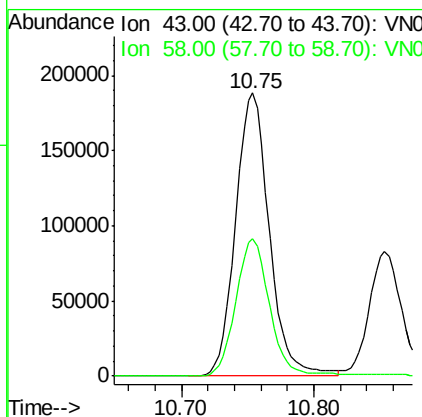
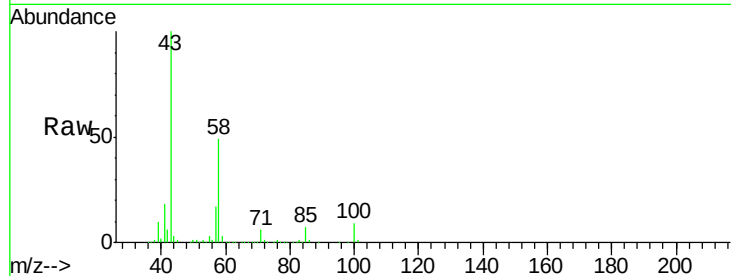
#59
2-Hexanone
Concen: 119.688 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

Tot Ion: 43 Resp: 330997
Ion Ratio Lower Upper
43 100
58 49.0 25.1 75.2

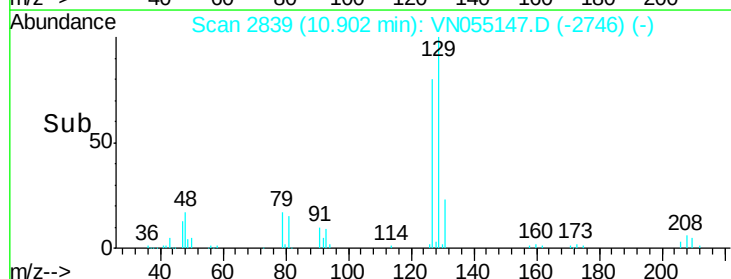
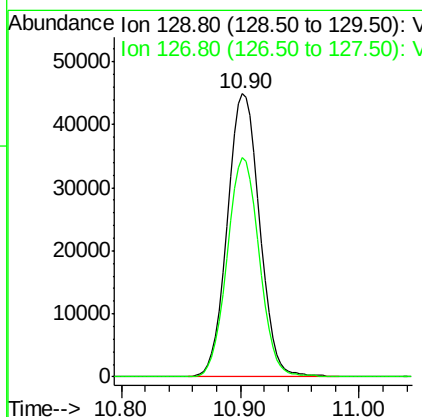
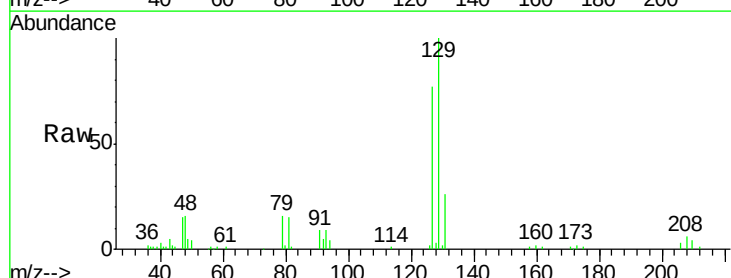
Manual Integrations
APPROVED

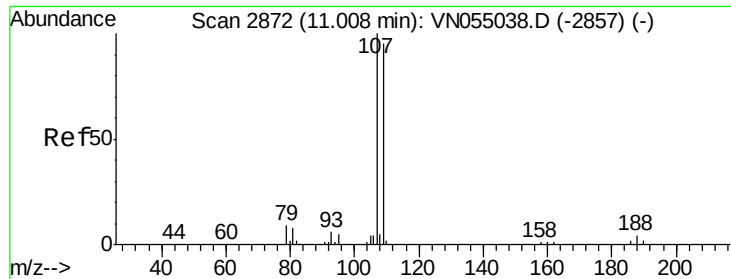
MMDadoda
4/22/2019 10:07:28 AM



#60
Dibromochloromethane
Concen: 21.401 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion: 129 Resp: 84437
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6





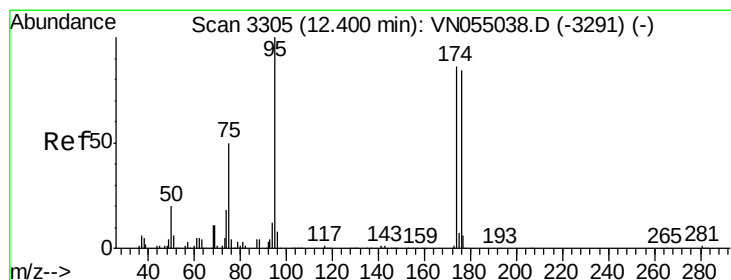
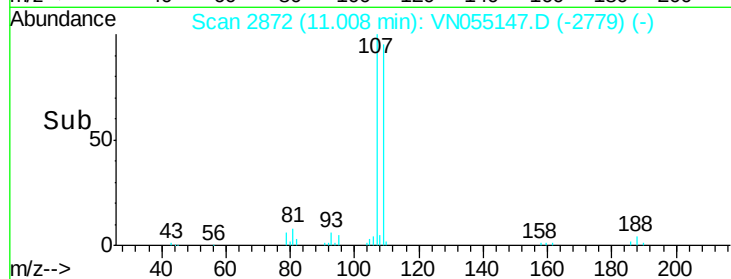
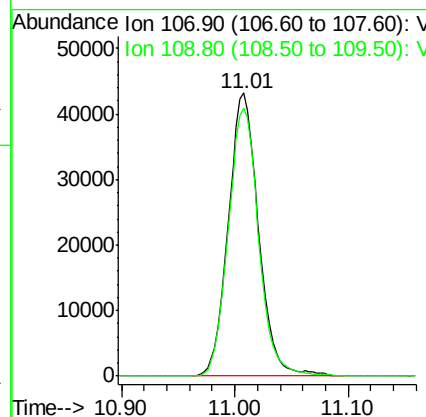
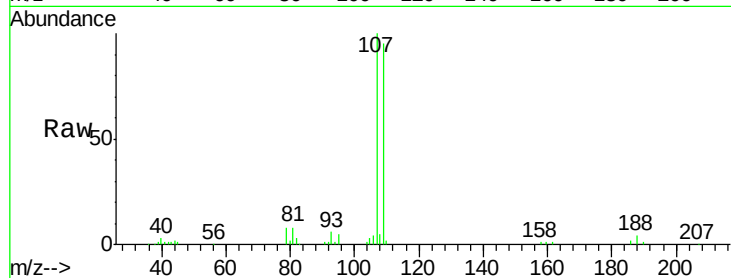
#61
 1,2-Dibromoethane
 Concen: 21.603 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.5	114.7

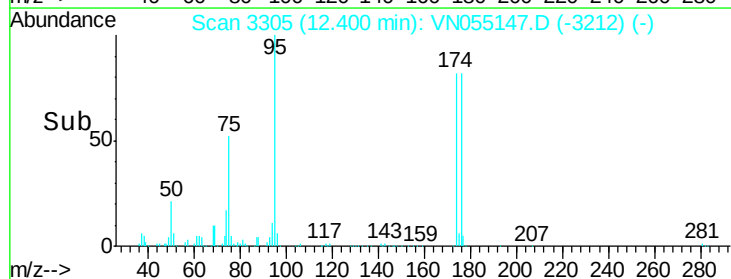
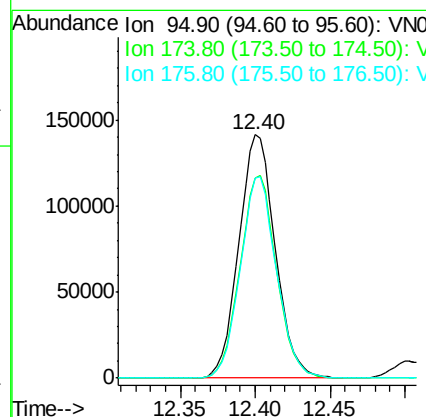
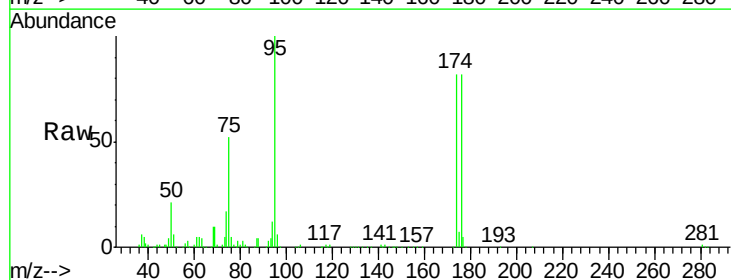
Manual Integrations
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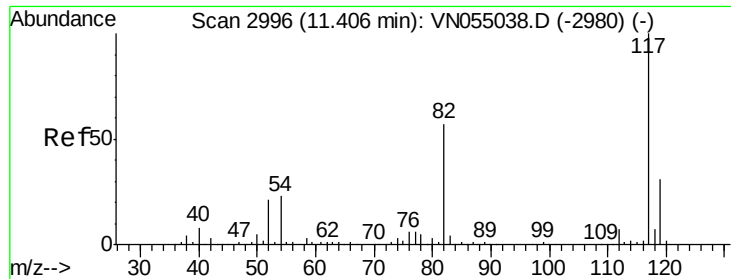
MMDadoda
 4/22/2019 10:07:28 AM



#62
 4-Bromofluorobenzene
 Concen: 47.791 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	174.4
176	82.1	0.0	166.8





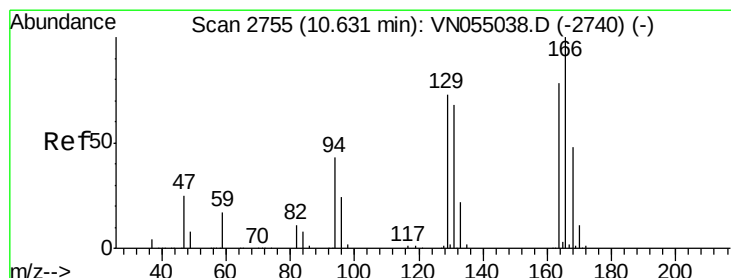
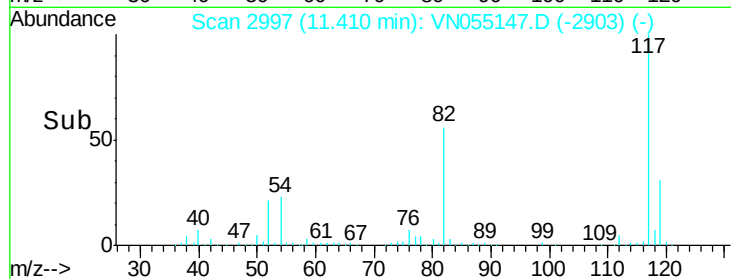
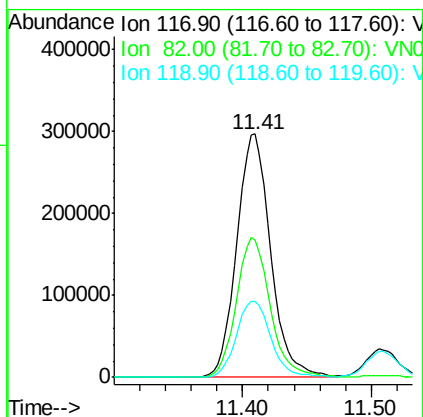
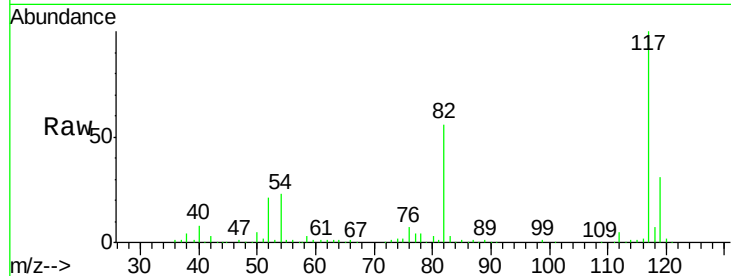
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.6	66.8
119	31.5	25.5	38.3

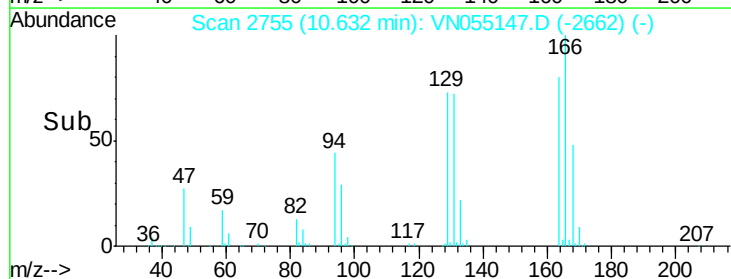
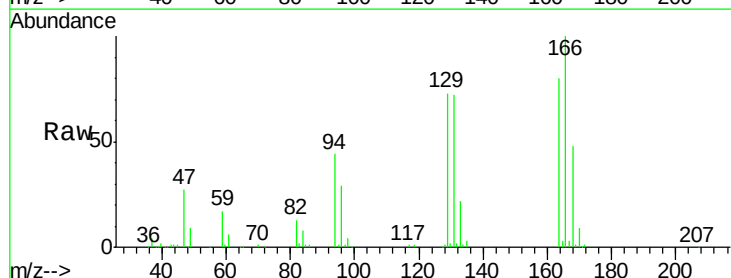
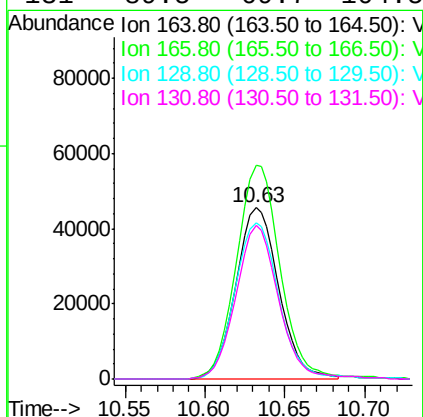
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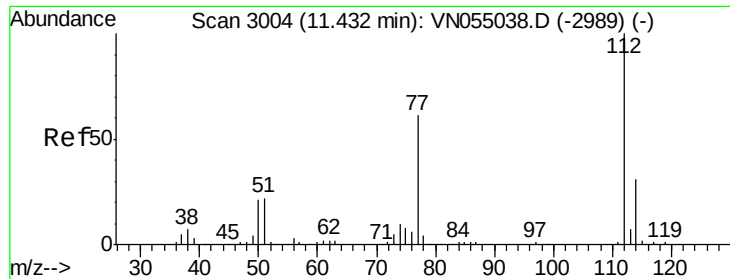
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#64
Tetrachloroethene
Concen: 18.888 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	100.0	150.0
129	91.1	72.0	108.0
131	89.5	69.7	104.5





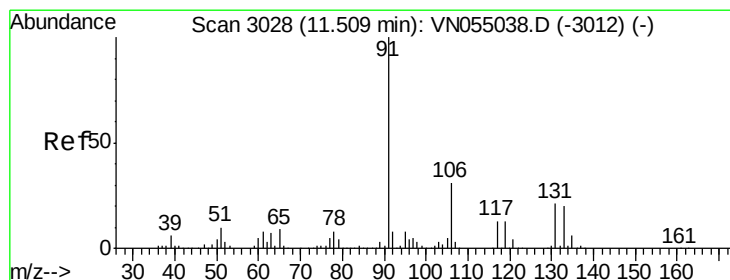
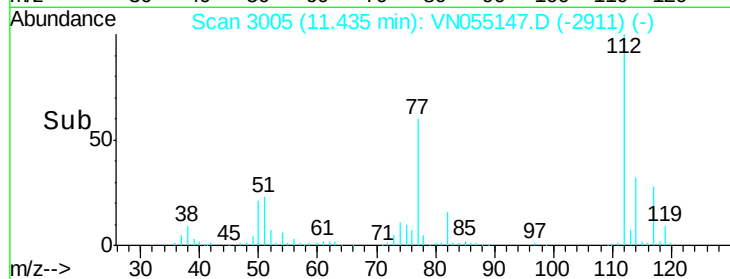
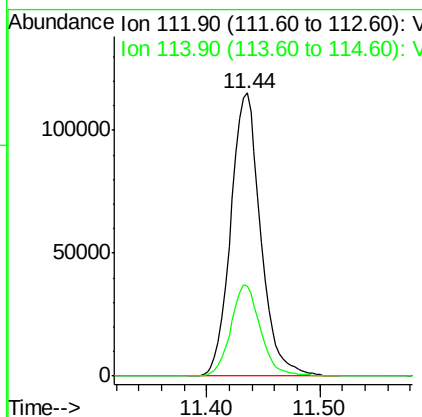
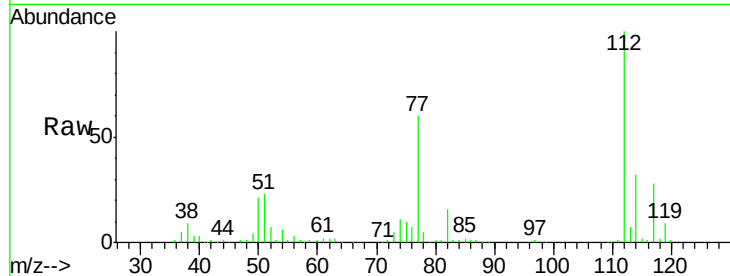
#65
Chlorobenzene
Concen: 19.329 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS02

Tot Ion:112 Resp: 212079
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

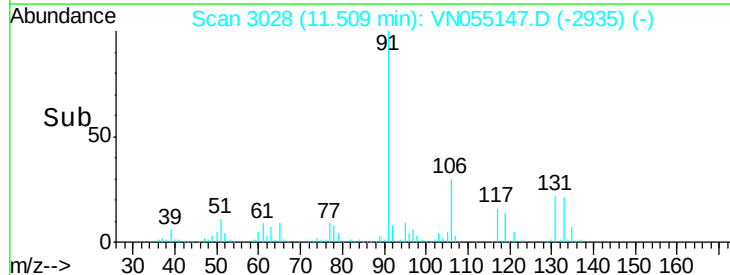
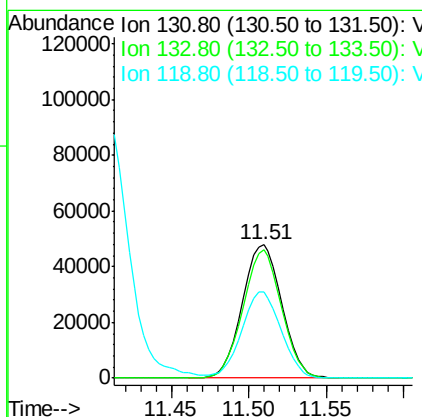
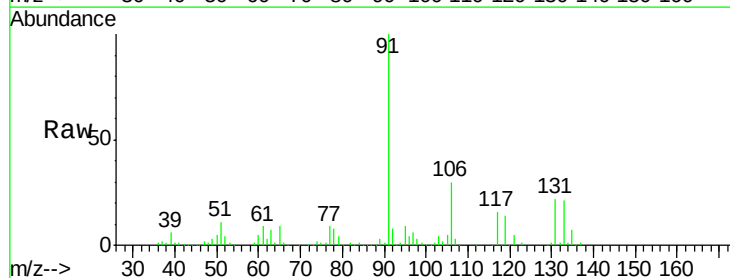
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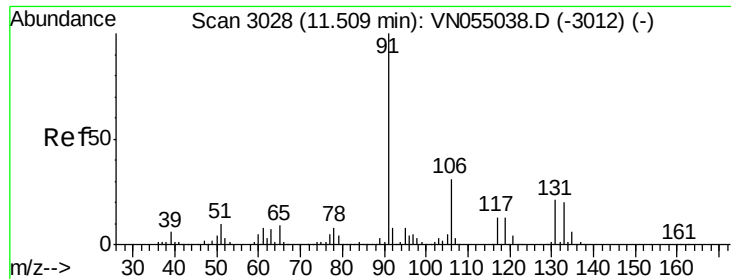
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.123 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion:131 Resp: 85243
Ion Ratio Lower Upper
131 100
133 93.7 47.8 143.3
119 64.8 33.6 100.6





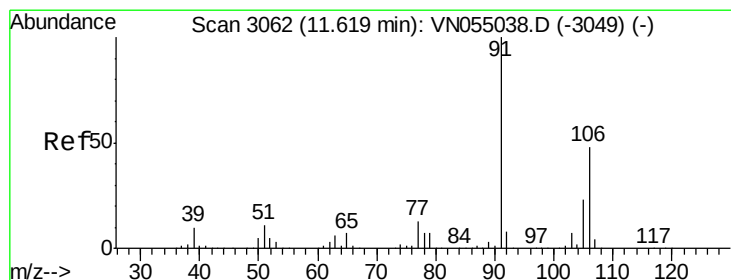
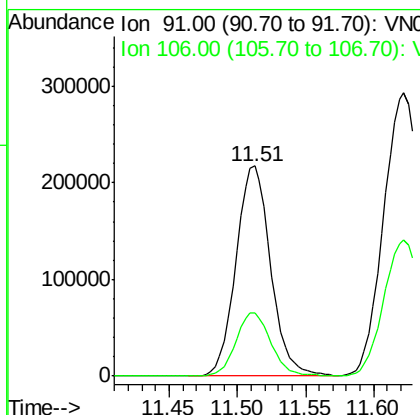
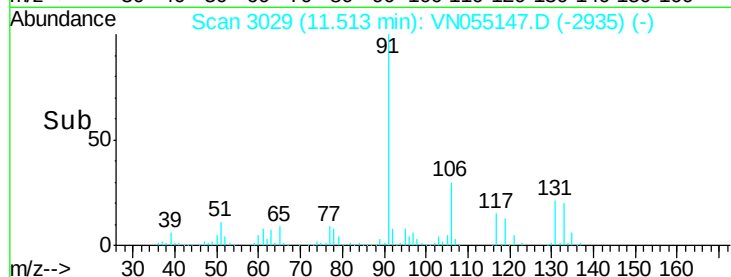
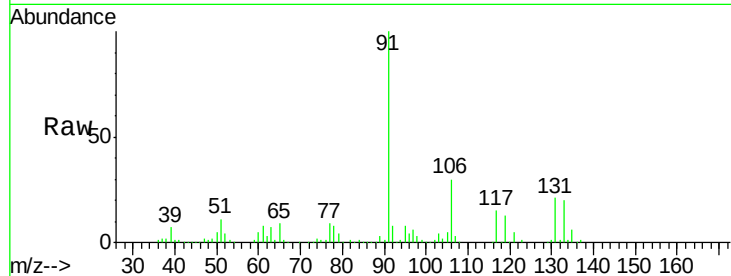
#67
Ethyl Benzene
Concen: 19.623 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS02

Tot Ion: 91 Resp: 384494
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5

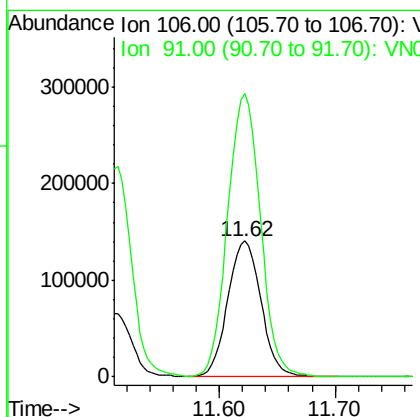
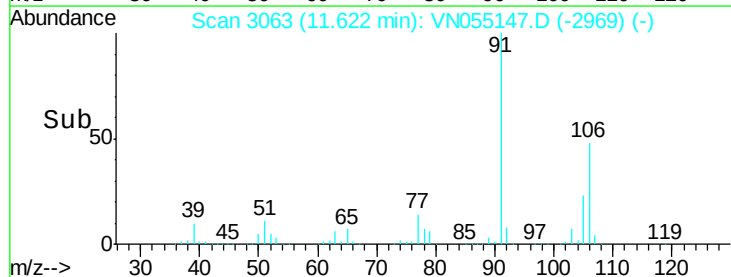
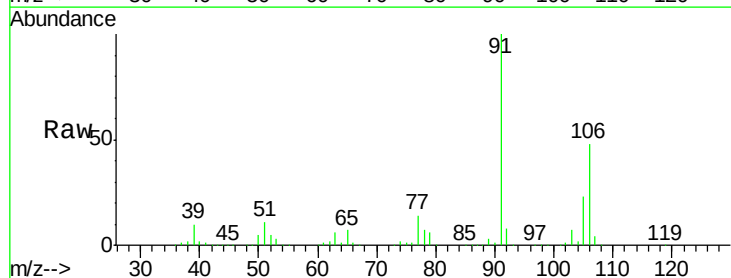
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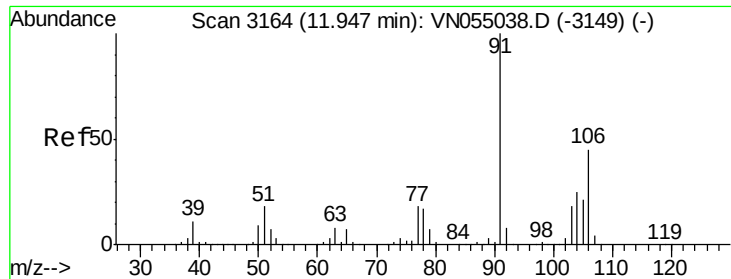
MMDadoda
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#68
m/p-Xylenes
Concen: 39.627 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion: 106 Resp: 281172
Ion Ratio Lower Upper
106 100
91 205.1 165.9 248.9





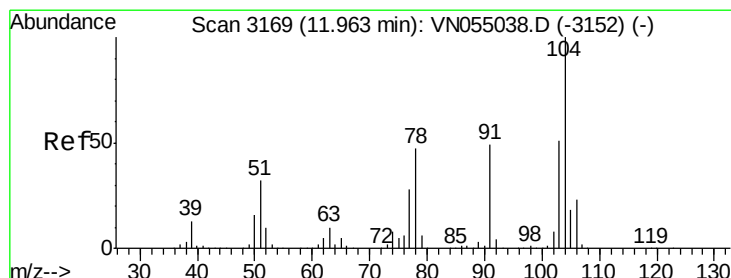
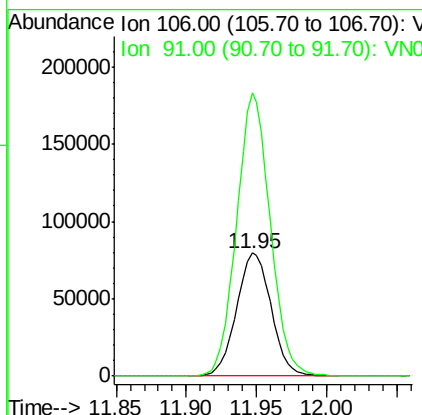
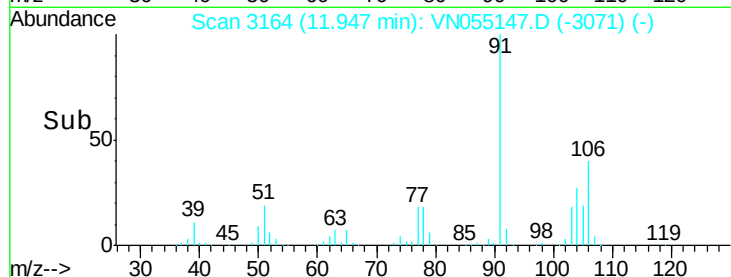
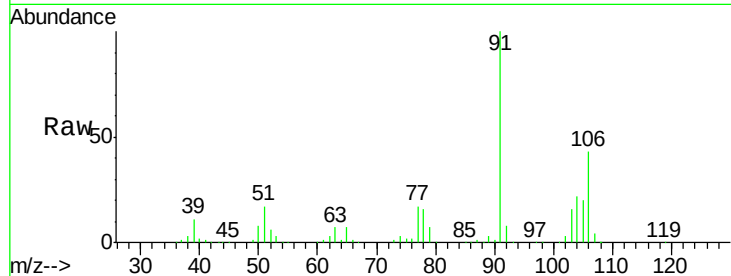
#69
o-Xylene
Concen: 19.940 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS02

Tot Ion:106 Resp: 137035
Ion Ratio Lower Upper
106 100
91 223.6 109.9 329.8

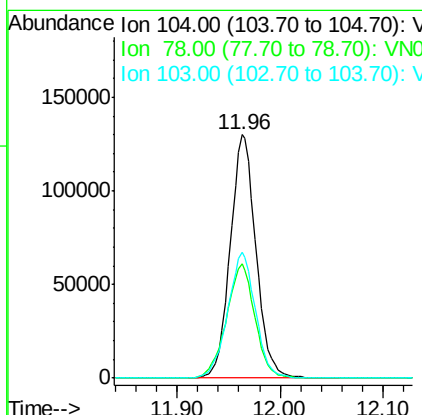
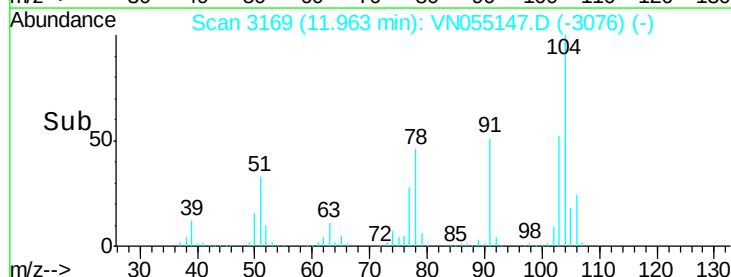
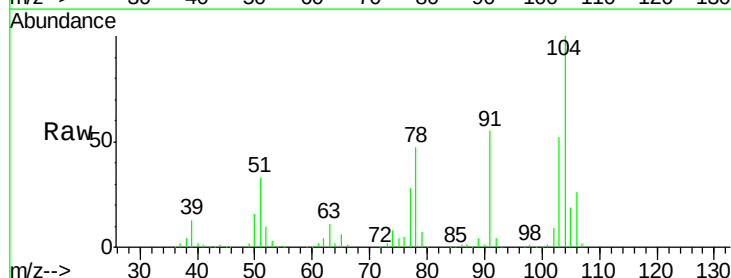
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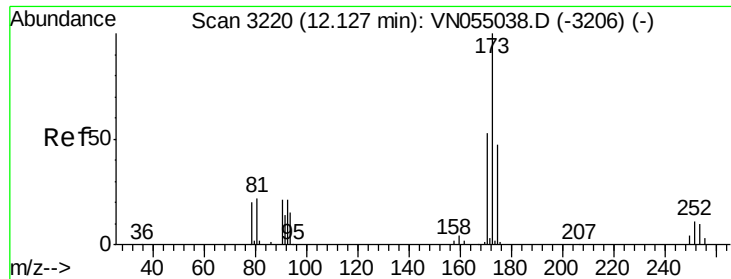
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#70
Styrene
Concen: 20.314 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion:104 Resp: 225980
Ion Ratio Lower Upper
104 100
78 51.8 40.3 60.5
103 55.6 44.3 66.5





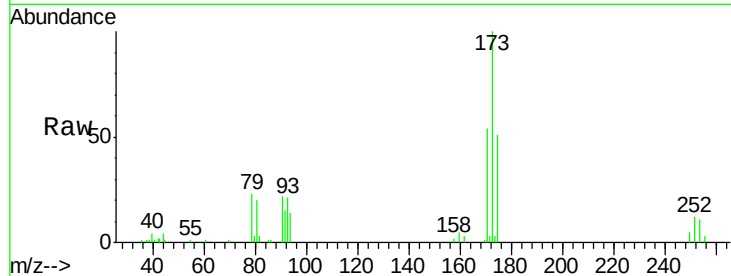
#71
Bromoform
Concen: 22.008 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

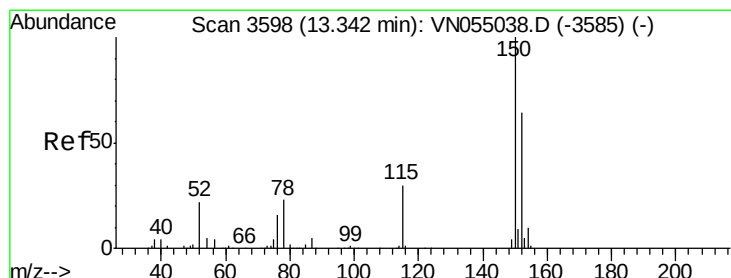
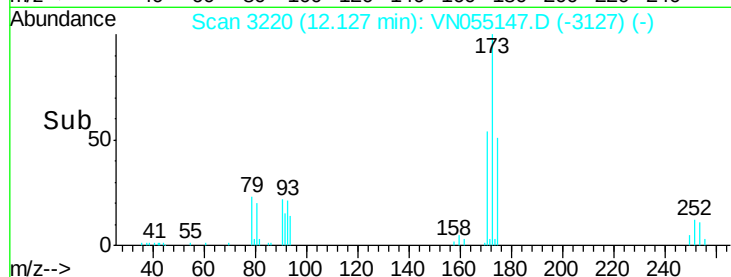
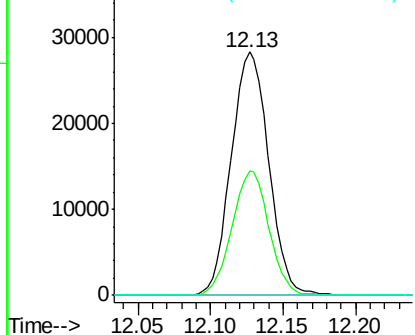
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.3	73.0
254	0.0	0.1	0.1#

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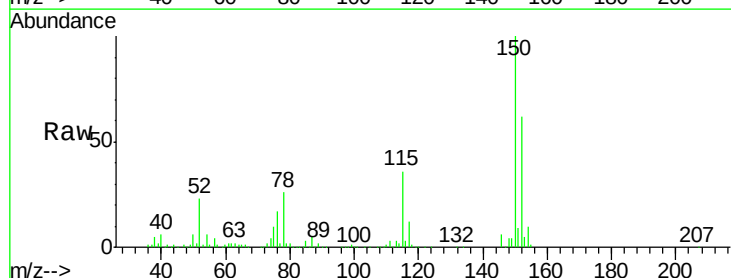


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

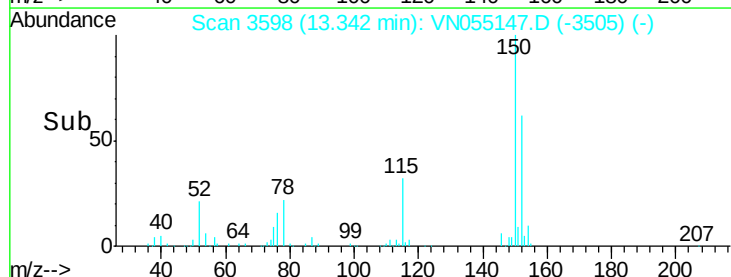
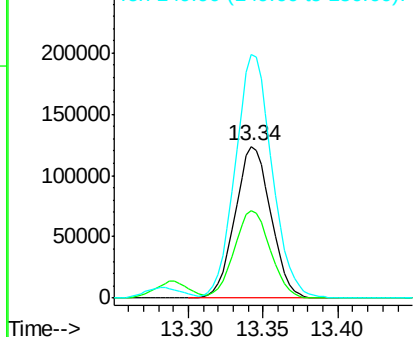


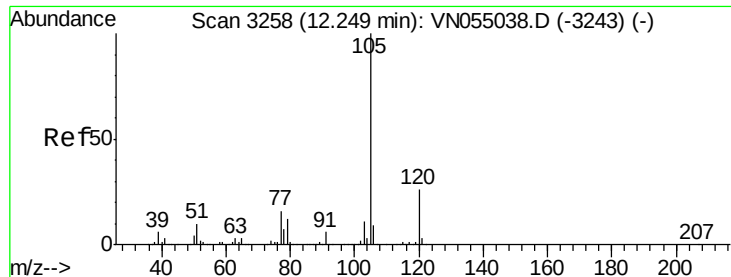
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.5	85.6
150	165.4	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: 20.330 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

Tot Ion: 105 Resp: 371558

Ion Ratio Lower Upper

105 100

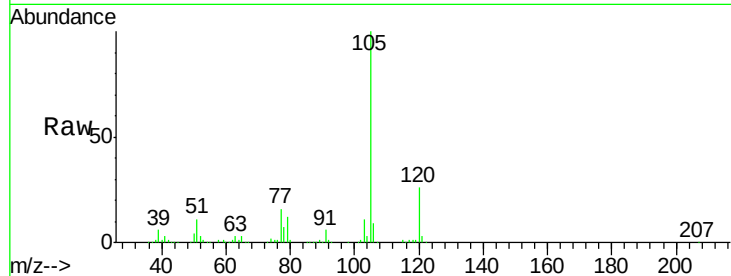
120 26.2 13.3 39.9

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4/22/2019 10:07:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

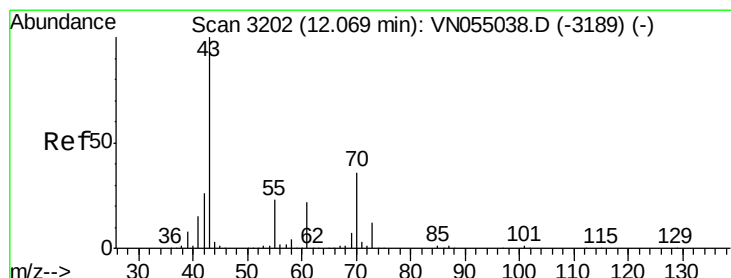
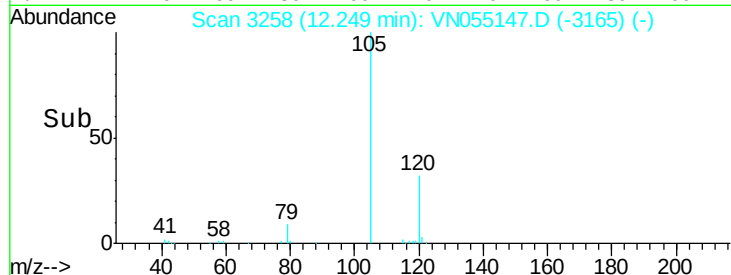
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 23.757 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Tgt Ion: 43 Resp: 122221

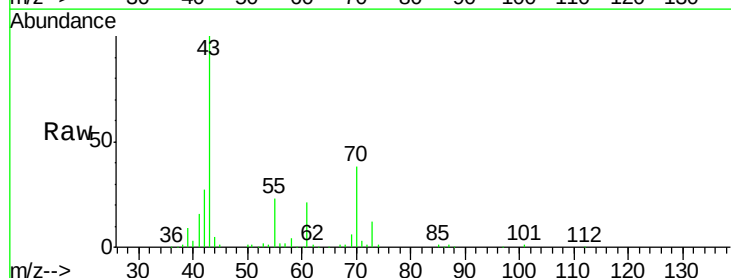
Ion Ratio Lower Upper

43 100

70 36.9 29.4 44.0

55 24.5 19.0 28.4

61 21.0 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

40000

20000

0

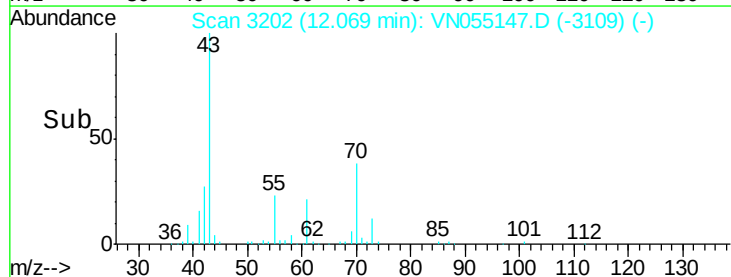
12.00

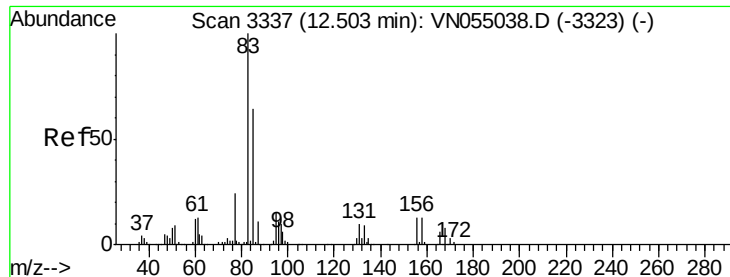
12.05

12.10

12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.267 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

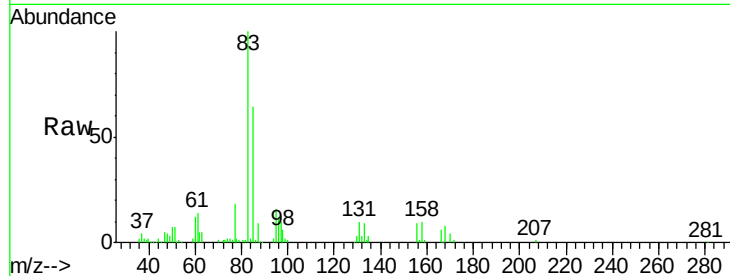
ClientSampleId :

VN0419WBS02

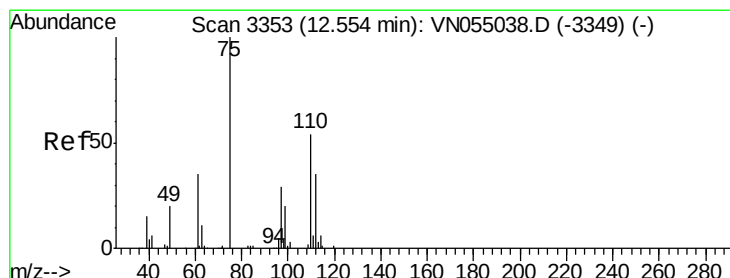
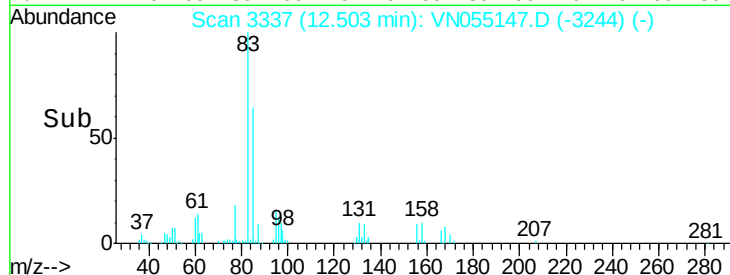
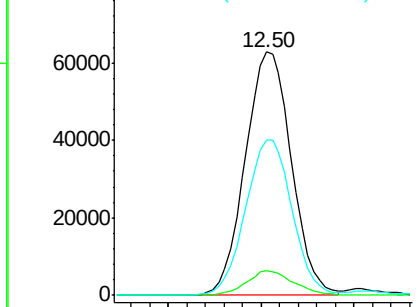
Tot Ion:	83	Resp:	108895
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	15.0
85	64.5	32.3	96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055147.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 25.357 ug/l m

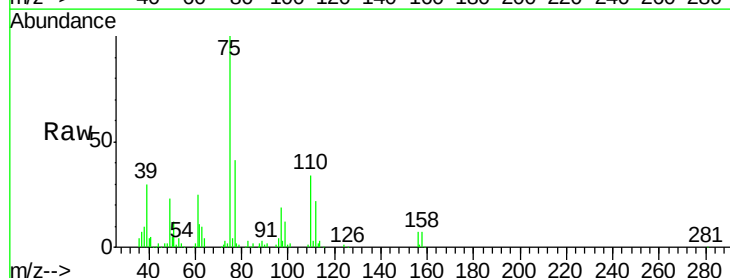
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

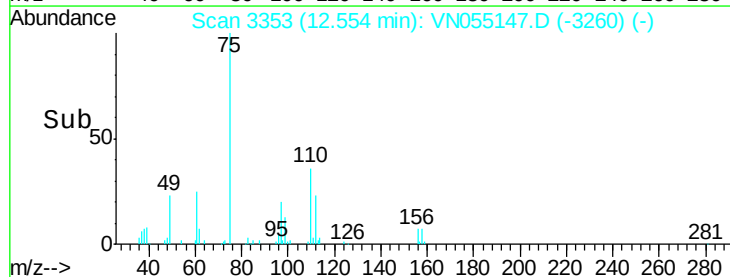
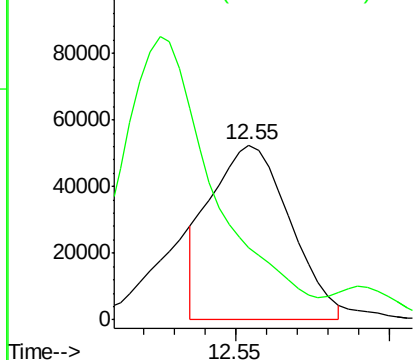
Lab File: VN055147.D

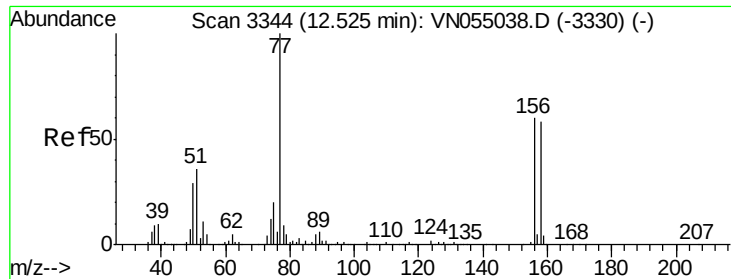
Acq: 19 Apr 2019 19:04

Tgt Ion:	75	Resp:	93912
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055147.D (-3260) (-)





#77

Bromobenzene

Concen: 19.562 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

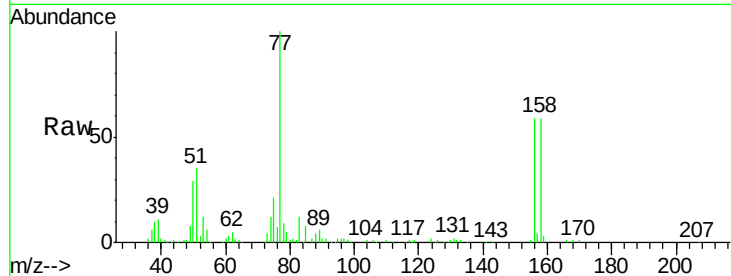
ClientSampleId :

VN0419WBS02

Tot Ion:	156	Resp:	89130
Ion	Ratio	Lower	Upper
156	100		
77	200.5	97.2	291.5
158	97.3	48.6	145.9

Manual Integrations
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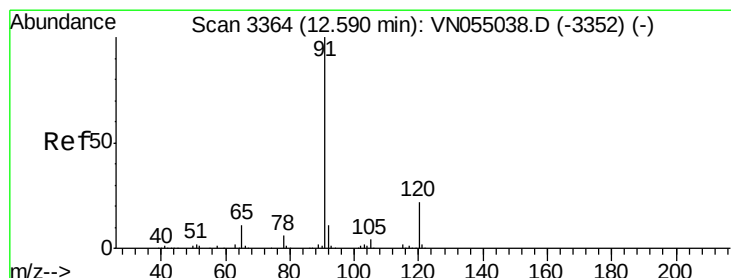
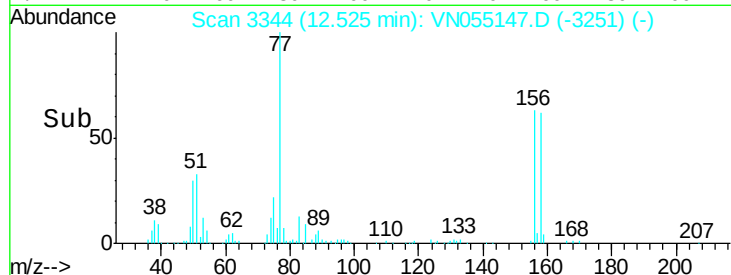
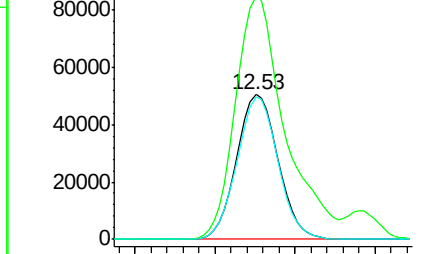
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.157 ug/l

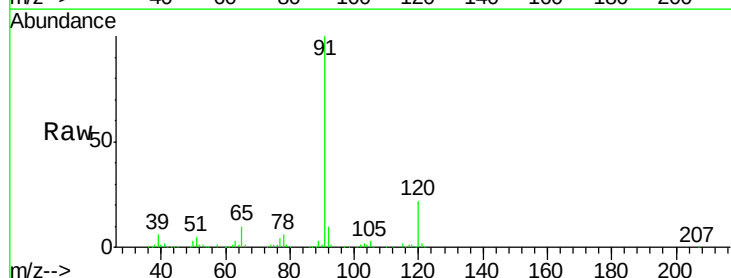
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055147.D

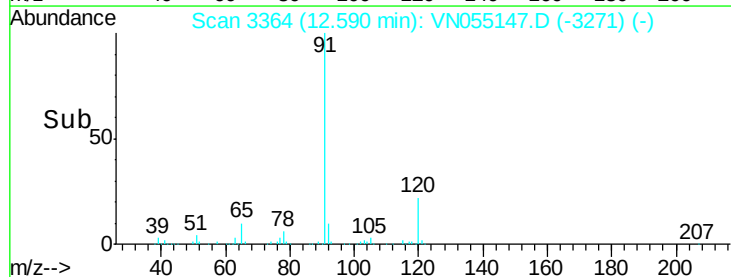
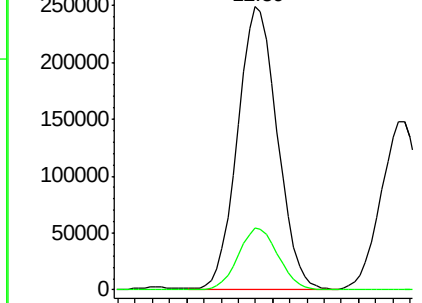
Acq: 19 Apr 2019 19:04

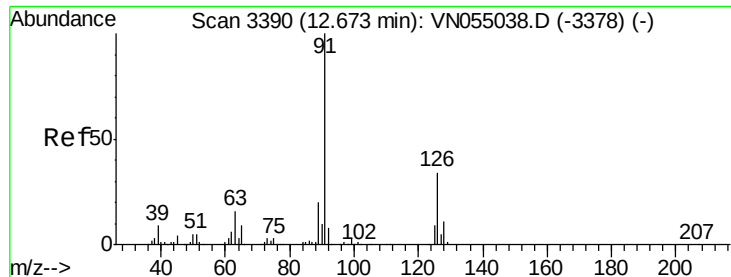
Tgt Ion:	91	Resp:	398023
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.858 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

Tot Ion: 91 Resp: 244574

Ion Ratio Lower Upper

91 100

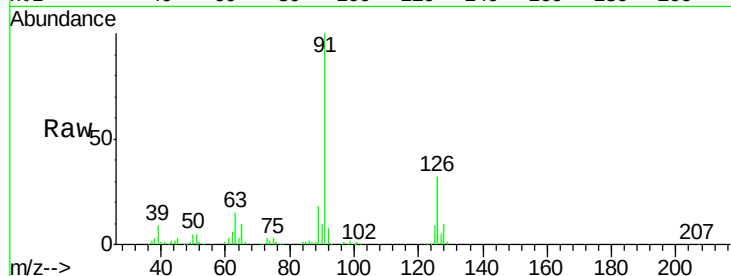
126 33.4 17.1 51.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055038.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055038.D (-3378) (-)

12.68

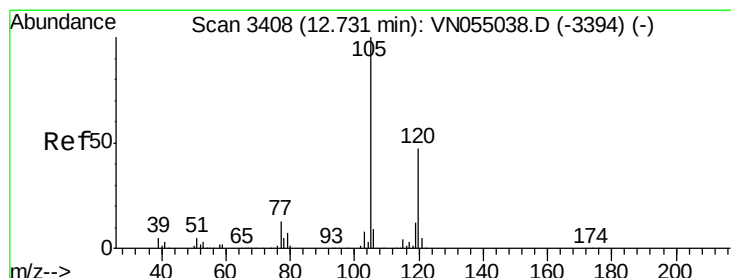
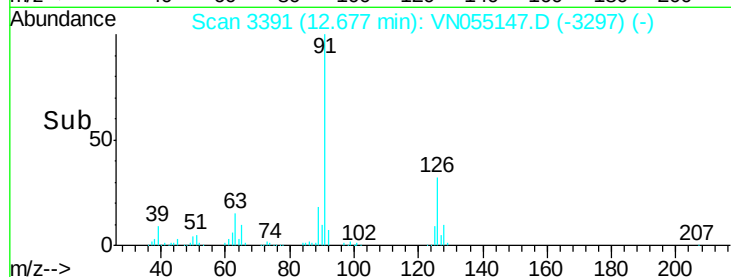
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.983 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055147.D

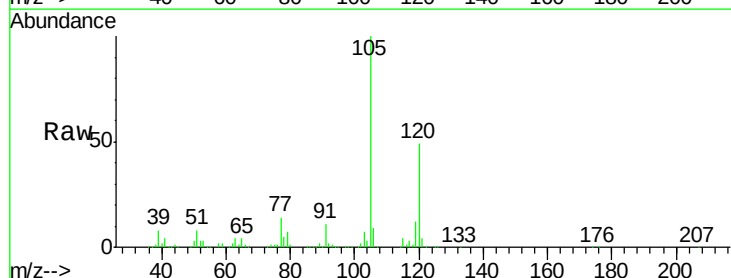
Acq: 19 Apr 2019 19:04

Tgt Ion: 105 Resp: 294729

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055038.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN055038.D (-3394) (-)

12.73

200000

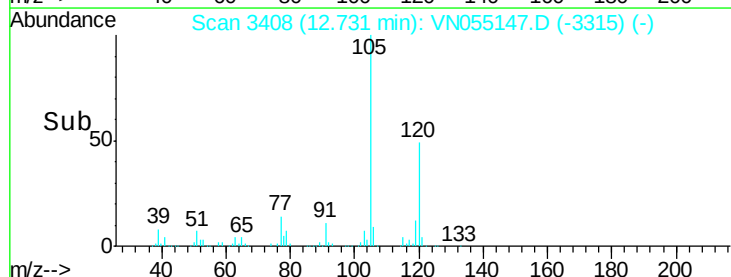
150000

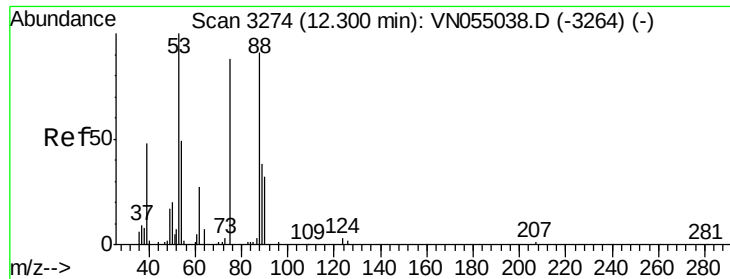
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 24.208 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

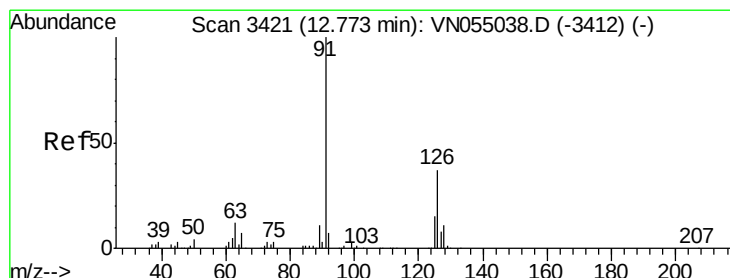
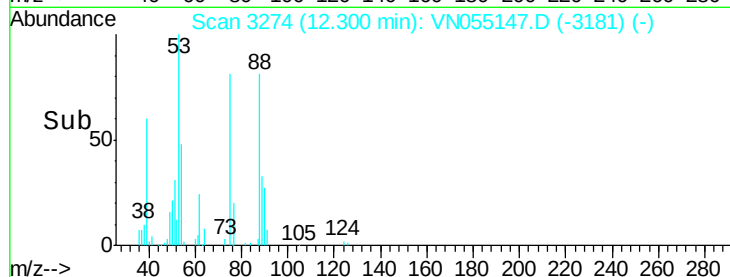
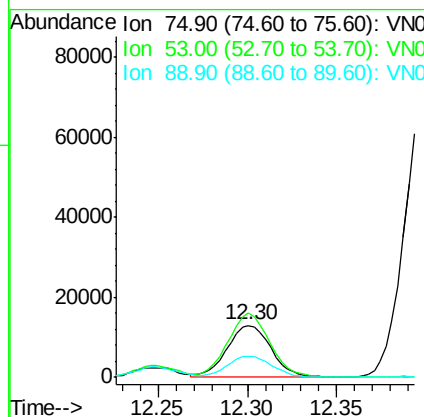
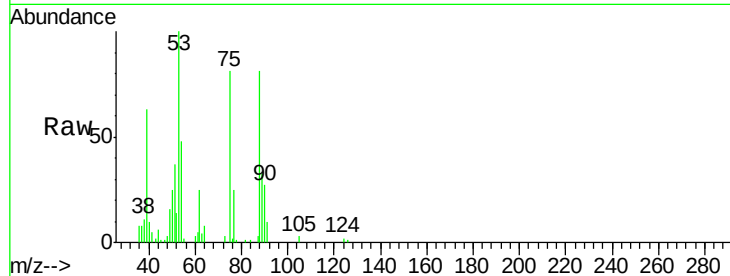
ClientSampled :

VN0419WBS02

Tot Ion:	75	Resp:	22421
Ion	Ratio	Lower	Upper
75	100		
53	117.6	96.3	144.5
89	40.7	38.6	57.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.188 ug/l

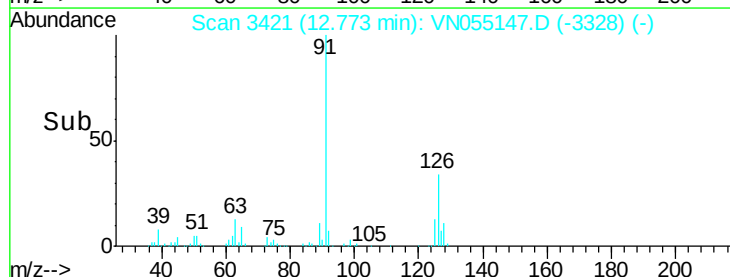
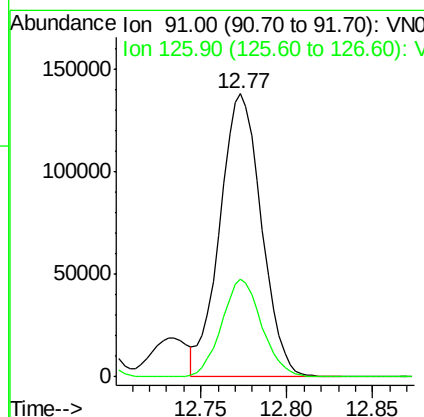
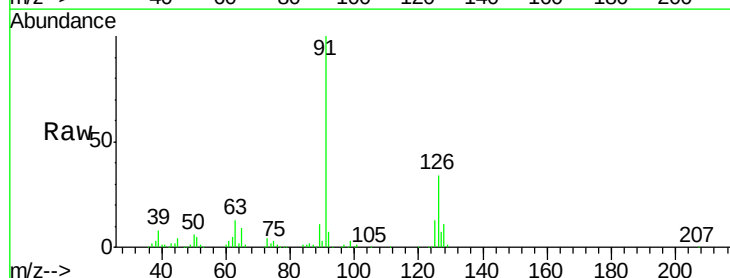
RT: 12.77 min Scan# 3421

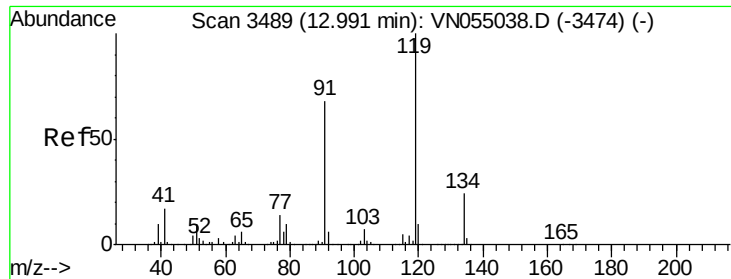
Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Tgt Ion:	91	Resp:	231978
Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.2





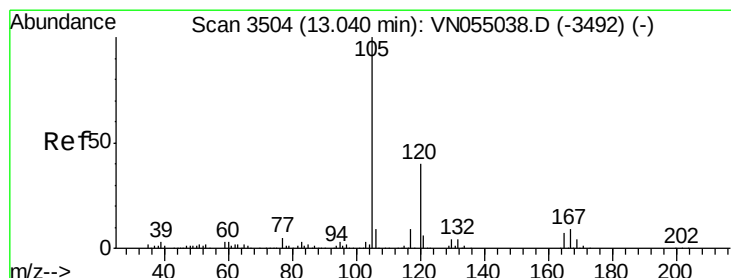
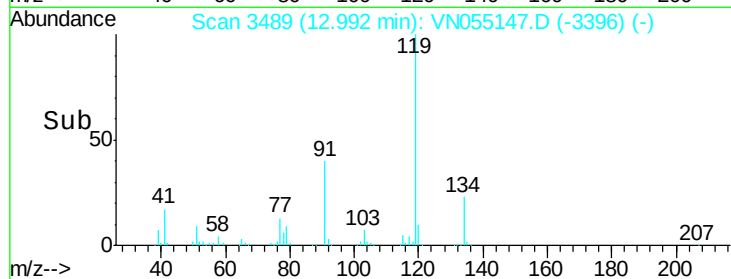
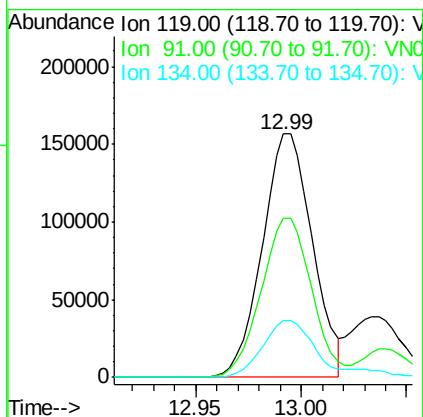
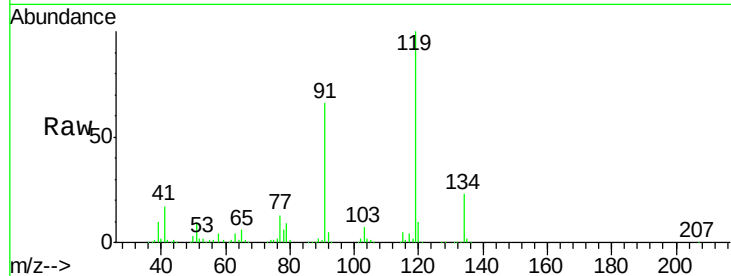
#83
tert-Butylbenzene
Concen: 20.793 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	258991		
91	65.8		33.3	99.8
134	26.2		12.3	36.9

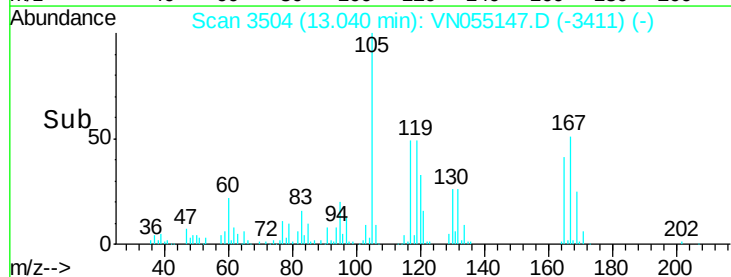
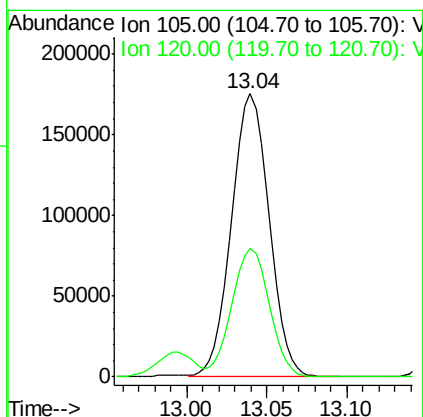
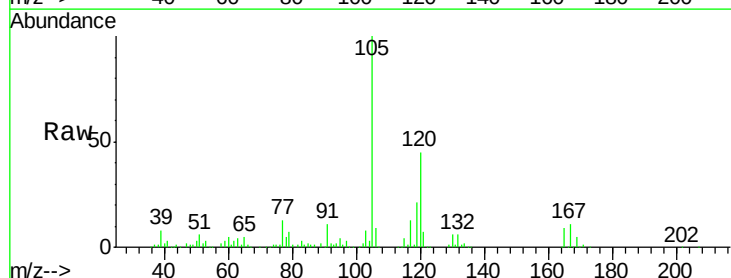
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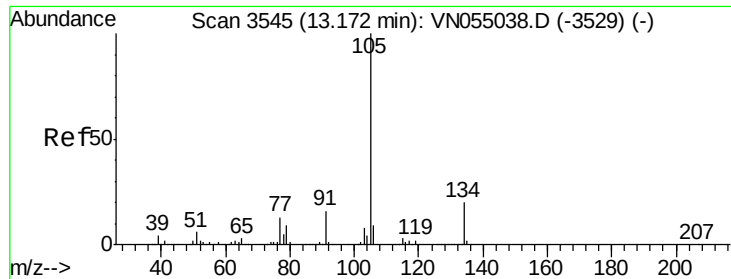
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#84
1,2,4-Trimethylbenzene
Concen: 20.054 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	280300		
120	45.4		22.4	67.3





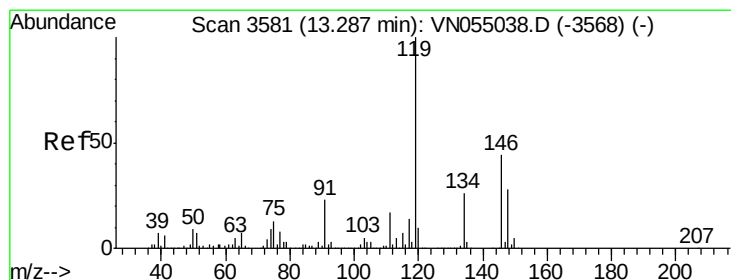
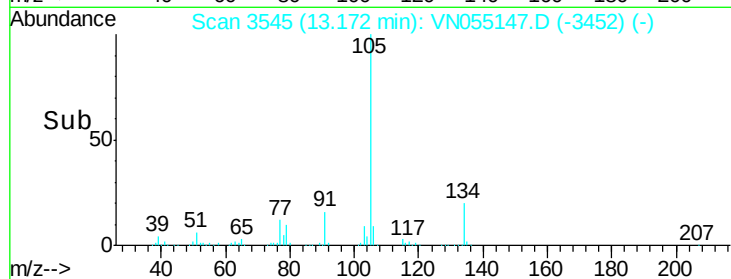
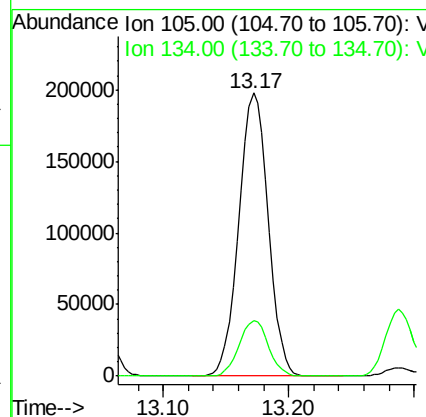
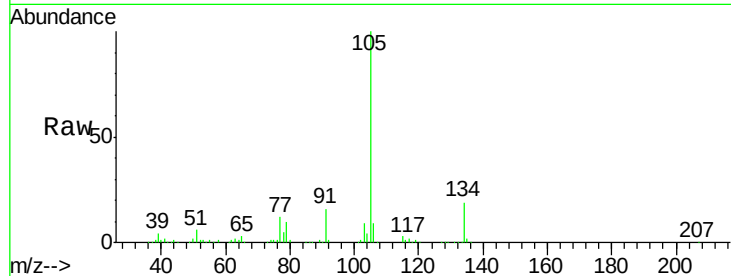
#85
 sec-Butylbenzene
 Concen: 20.294 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

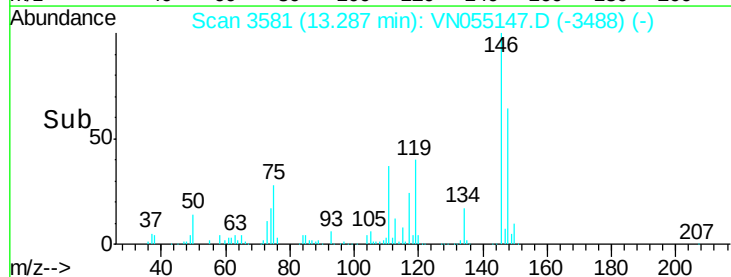
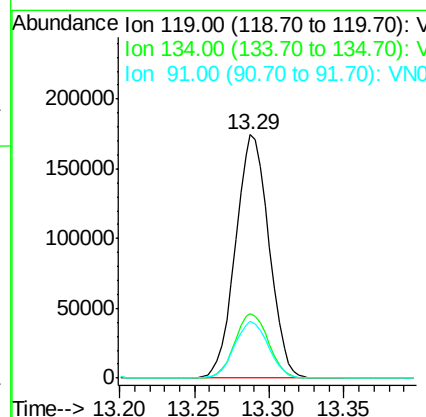
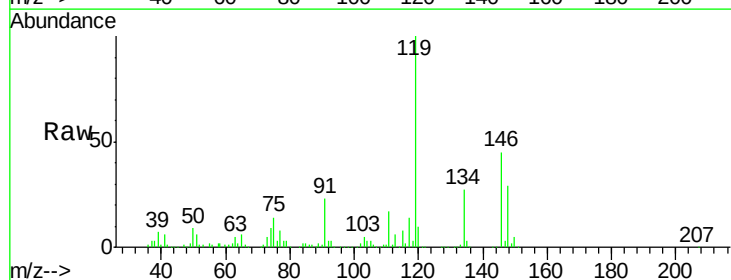
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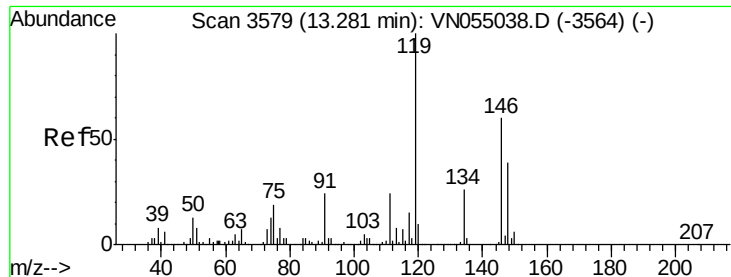
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#86
 p-Isopropyltoluene
 Concen: 19.953 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.2	39.5
91	23.8	11.7	35.1





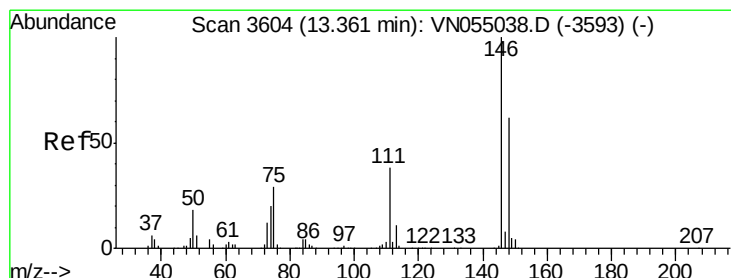
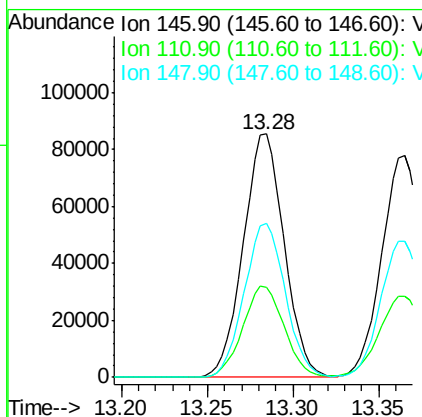
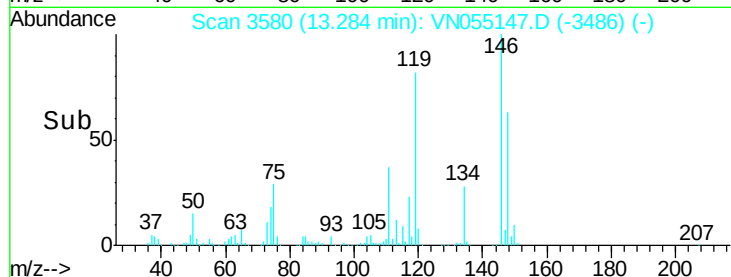
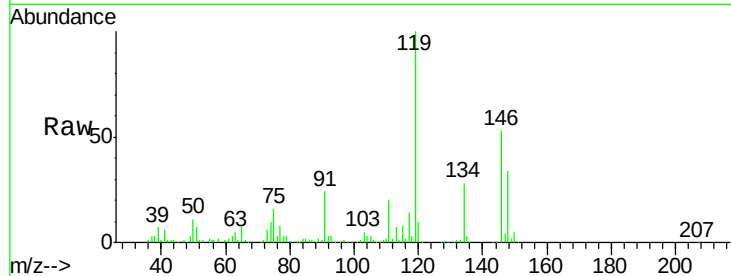
#87
 1,3-Dichlorobenzene
 Concen: 20.384 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.5	58.5
148	63.2	31.6	94.7

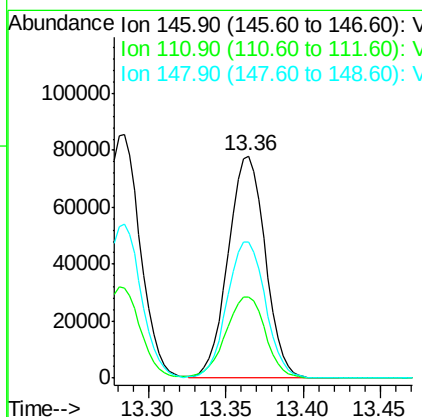
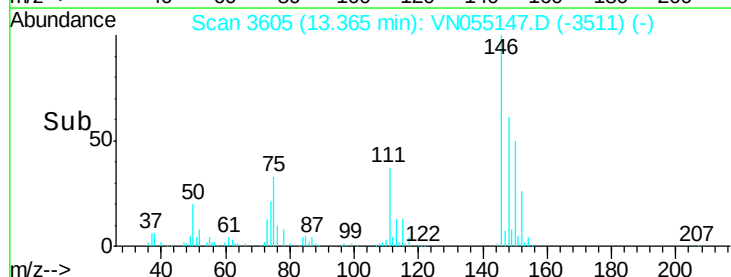
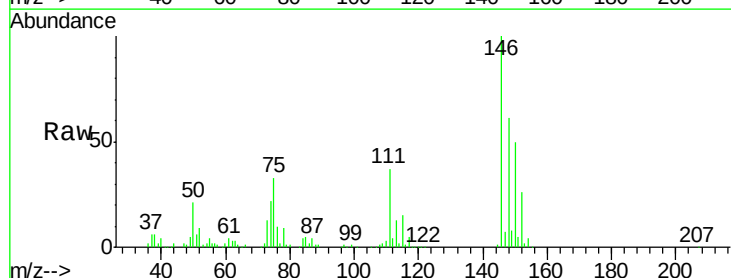
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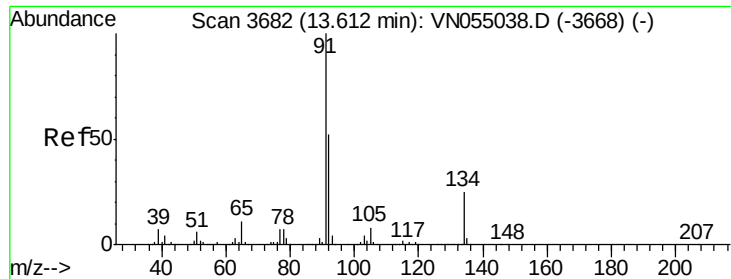
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#88
 1,4-Dichlorobenzene
 Concen: 19.753 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.8	56.4
148	63.2	32.4	97.2





#89

n-Butylbenzene

Concen: 19.210 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

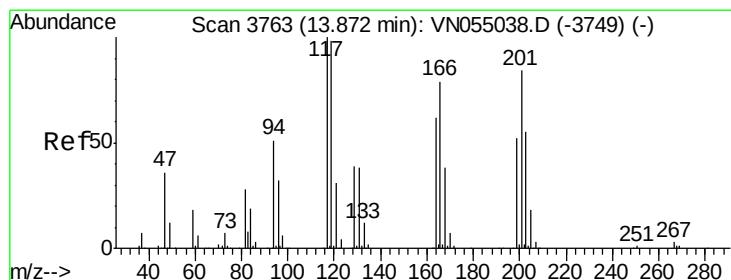
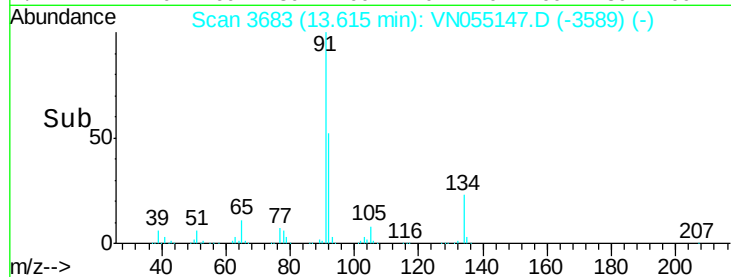
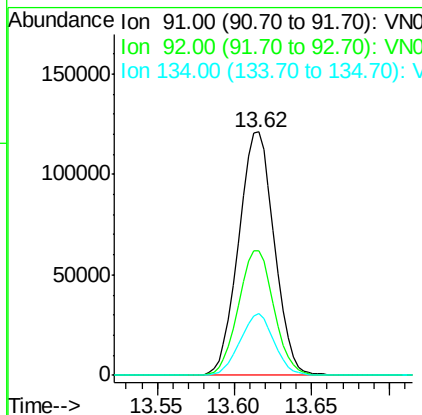
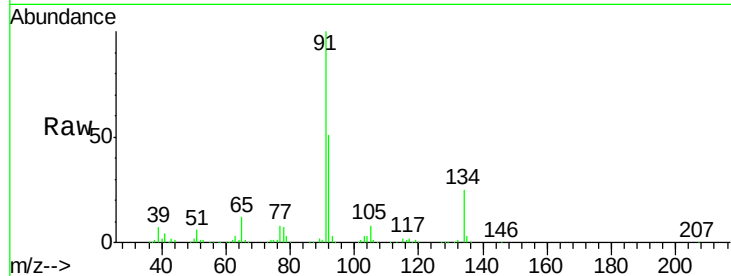
ClientSampled :

VN0419WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		194178		
92	51.1	25.9	77.7		
134	24.2	12.8	38.3		

Manual Integrations
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#90

Hexachloroethane

Concen: 20.803 ug/l

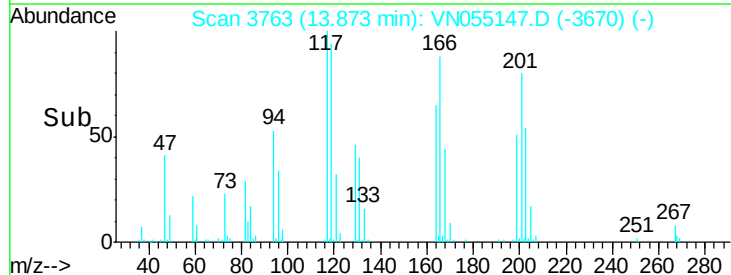
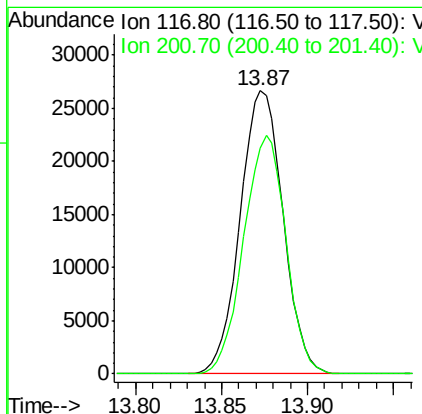
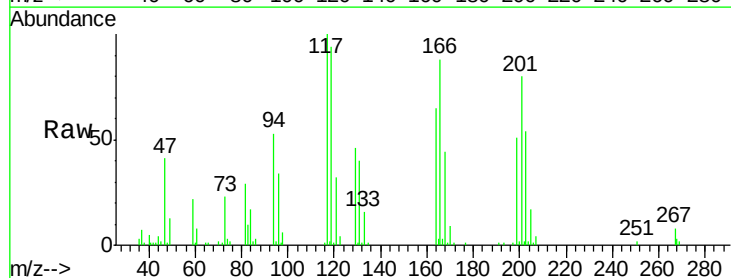
RT: 13.87 min Scan# 3763

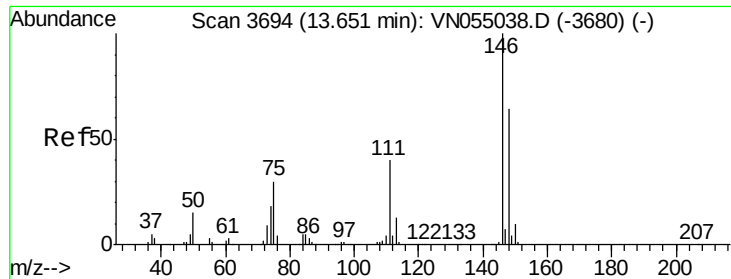
Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		46091		
201	82.9	43.4	130.2		





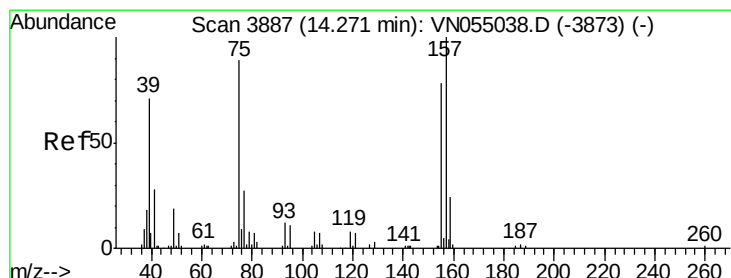
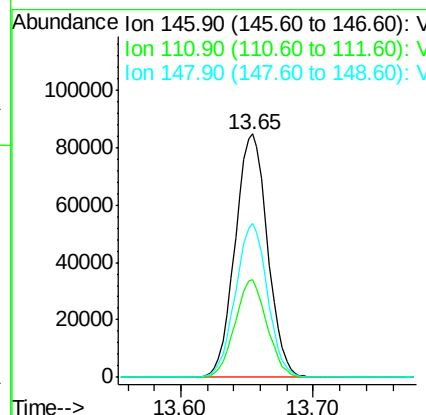
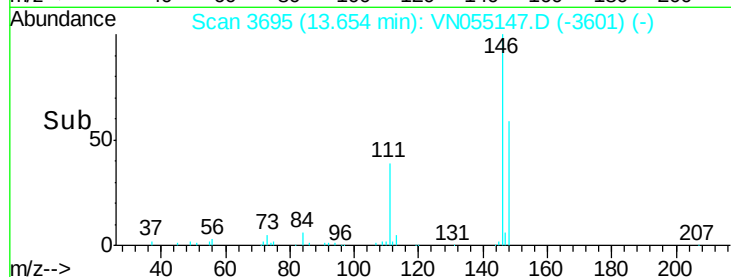
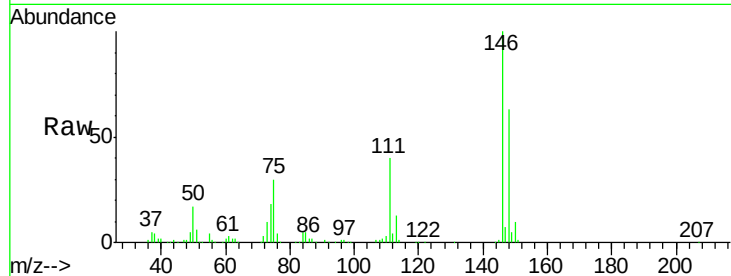
#91
 1,2-Dichlorobenzene
 Concen: 20.635 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.9
148	62.4	32.2	96.6

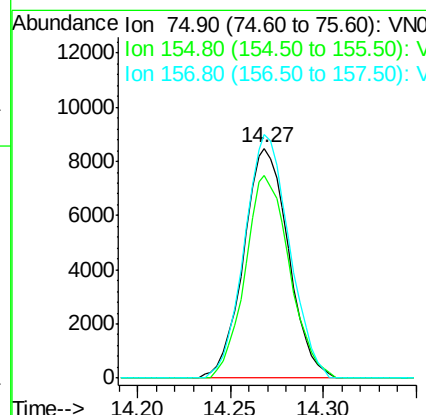
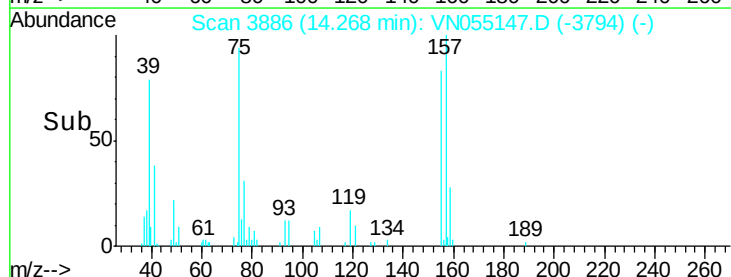
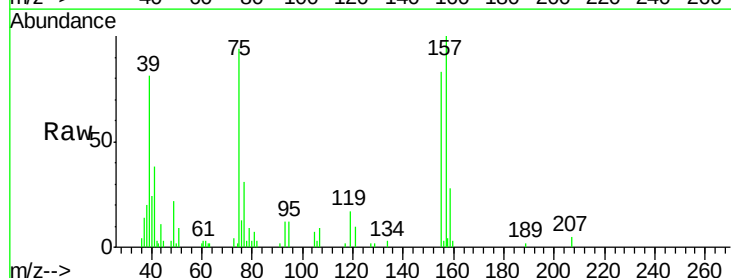
Manual Integrations
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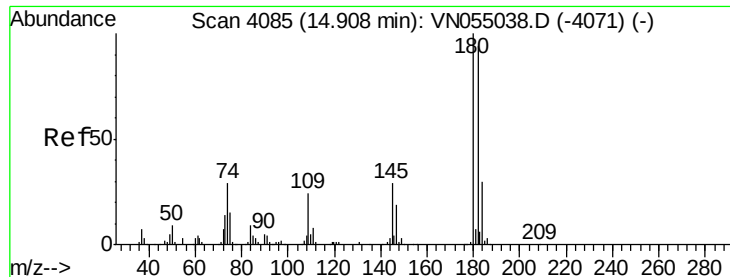
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.693 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	42.0	126.0
157	106.1	52.1	156.4





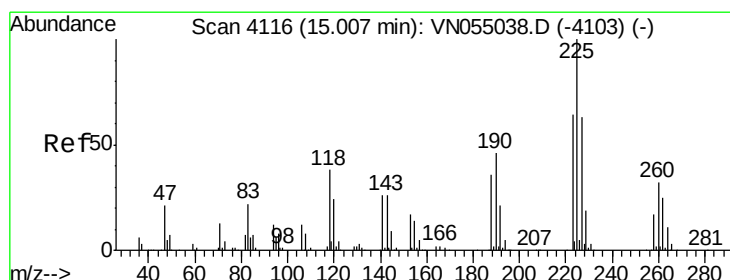
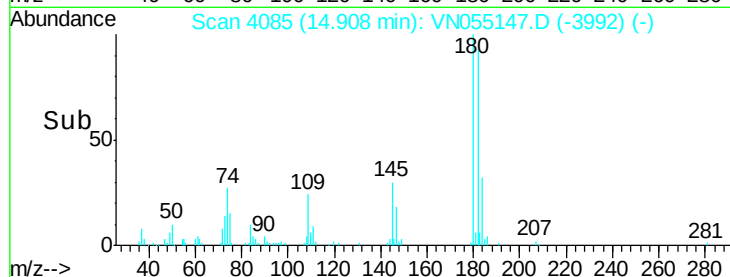
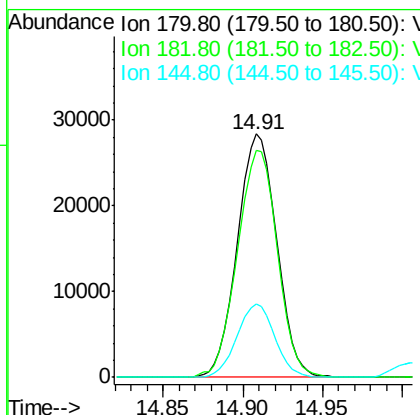
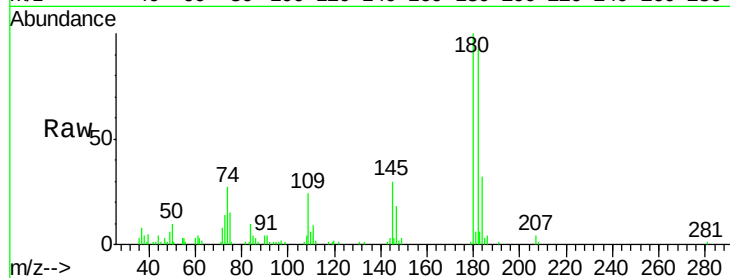
#93
 1,2,4-Trichlorobenzene
 Concen: 16.916 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	47518		
182	95.0		47.5	142.6
145	28.9		14.2	42.8

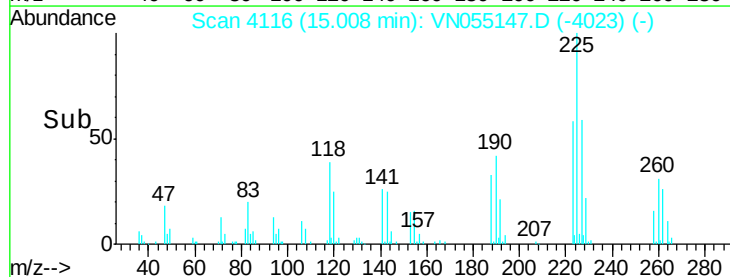
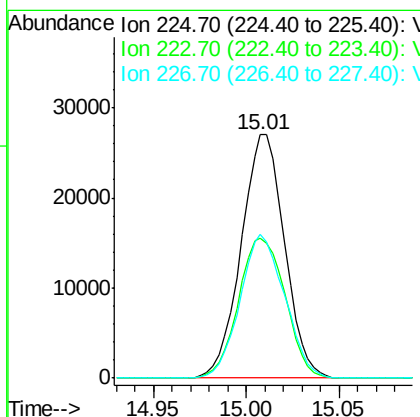
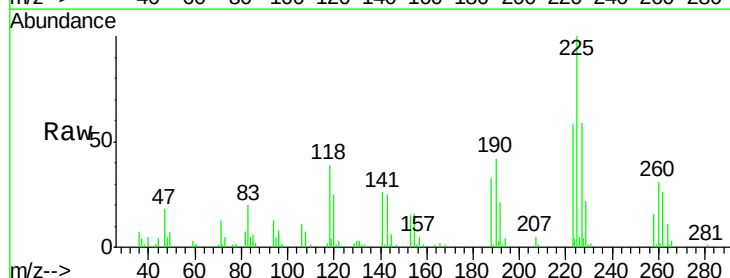
Manual Integrations
 APPROVED

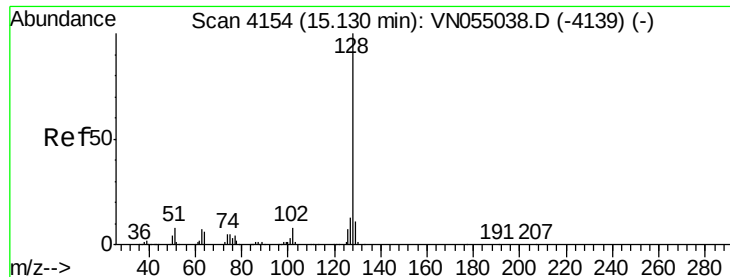
MMDadoda
 4/22/2019 10:07:28 AM



#94
 Hexachlorobutadiene
 Concen: 20.406 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43917		
223	61.7		31.4	94.0
227	60.5		32.6	97.7





#95

Naphthalene

Concen: 17.352 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

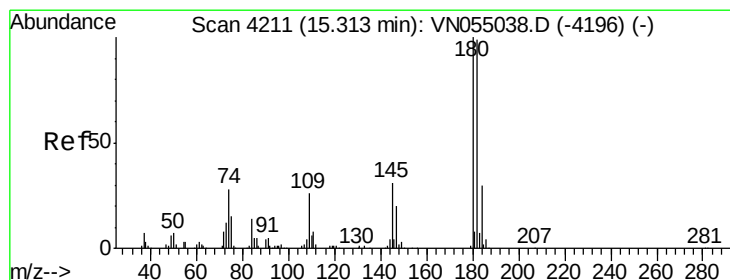
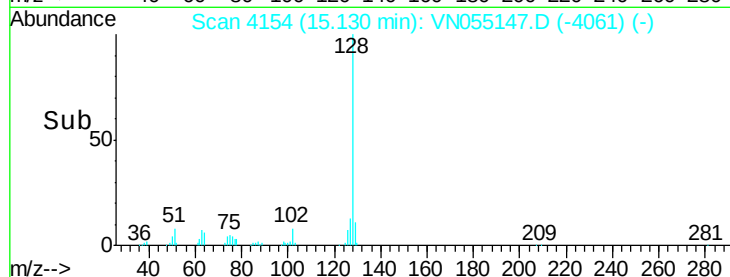
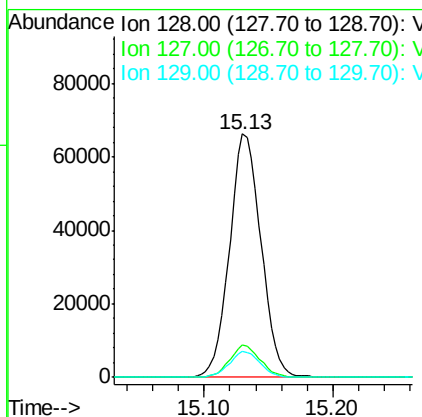
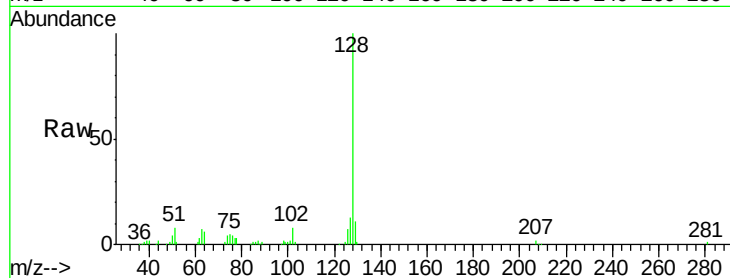
ClientSampleId :

VN0419WBS02

Tot Ion:	128	Resp:	112381
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	10.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:07:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.404 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Tgt Ion:	180	Resp:	52161
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.0	144.0
145	31.2	15.3	45.9

