

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041819\
 Data File : VN055117.D
 Acq On : 18 Apr 2019 11:13
 Operator : JC/SP
 Sample : VN0418WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 5:46:50 PM

Quant Time: Apr 19 09:11:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	382203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	624225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	542526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	219812	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	261747	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.59	113	210093	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	10.09	98	751910	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.40	95	253197	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	82566	19.009	ug/l	100
3) Chloromethane	2.06	50	107850	19.037	ug/l	99
4) Vinyl Chloride	2.19	62	85849	18.029	ug/l	100
5) Bromomethane	2.56	94	48324	17.939	ug/l	98
6) Chloroethane	2.70	64	47565	18.523	ug/l	98
7) Trichlorofluoromethane	3.02	101	115530	19.400	ug/l	100
8) Diethyl Ether	3.41	74	37550	19.753	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	59694	19.154	ug/l	98
10) Methyl Iodide	3.94	142	85719	17.724	ug/l	99
11) Tert butyl alcohol	4.82	59	31948	114.724	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	55398	18.262	ug/l	96
13) Acrolein	3.60	56	23886	69.393	ug/l	100
14) Allyl chloride	4.31	41	149475	20.130	ug/l	100
15) Acrylonitrile	4.99	53	175488	105.327	ug/l	99
16) Acetone	3.82	43	138064	100.125	ug/l	100
17) Carbon Disulfide	4.04	76	168146	17.171	ug/l	99
18) Methyl Acetate	4.33	43	90463	22.522	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	224997	20.734	ug/l	100
20) Methylene Chloride	4.54	84	91172	18.809	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	76798	18.718	ug/l	92
22) Diisopropyl ether	5.96	45	312283	20.458	ug/l	97
23) Vinyl Acetate	5.90	43	1074431	106.488	ug/l	99
24) 1,1-Dichloroethane	5.85	63	162416	19.980	ug/l	98
25) 2-Butanone	6.85	43	225873	109.753	ug/l	97
26) 2,2-Dichloropropane	6.82	77	101381	19.760	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	91249	19.658	ug/l	98
28) Bromochloromethane	7.19	49	78311	19.985	ug/l #	97
29) Tetrahydrofuran	7.22	42	143804	106.554	ug/l	100
30) Chloroform	7.37	83	155065	19.639	ug/l	96
31) Cyclohexane	7.65	56	143906	19.255	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	124063	19.832	ug/l	99
36) 1,1-Dichloropropene	7.79	75	108022	18.357	ug/l	98
37) Ethyl Acetate	6.94	43	91918	19.187	ug/l	96
38) Carbon Tetrachloride	7.77	117	103845	18.549	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	118372	18.564	ug/l	99
40) Benzene	8.04	78	351166	19.801	ug/l	100
41) Methacrylonitrile	7.18	41	52082	19.585	ug/l	96
42) 1,2-Dichloroethane	8.12	62	123818	20.108	ug/l	99
43) Isopropyl Acetate	8.17	43	157799	21.377	ug/l	99
44) Trichloroethene	8.83	130	88947	20.023	ug/l	92
45) 1,2-Dichloropropane	9.12	63	99275	20.072	ug/l	99
46) Dibromomethane	9.21	93	56470	20.058	ug/l	95
47) Bromodichloromethane	9.40	83	114532	19.732	ug/l	100
48) Methyl methacrylate	9.20	41	77351	21.141	ug/l	99
49) 1,4-Dioxane	9.20	88	18142	529.250	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	464978	109.032	ug/l	98
52) Toluene	10.15	92	203591	20.043	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	101483	20.007	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	127547	20.260	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	81665	20.867	ug/l	97
56) Ethyl methacrylate	10.43	69	98865	21.050	ug/l	99
57) 1,3-Dichloropropane	10.71	76	136751	20.524	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	183367	95.808	ug/l	100
59) 2-Hexanone	10.75	43	296649	110.749	ug/l	97
60) Dibromochloromethane	10.90	129	78832	20.629	ug/l	97
61) 1,2-Dibromoethane	11.01	107	73975	20.537	ug/l	100
64) Tetrachloroethene	10.63	164	84374	19.125	ug/l	98
65) Chlorobenzene	11.43	112	218836	20.039	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	77334	19.254	ug/l	97
67) Ethyl Benzene	11.51	91	381180	19.546	ug/l	100
68) m/p-Xylenes	11.62	106	284273	40.254	ug/l	100
69) o-Xylene	11.95	106	138378	20.231	ug/l	100
70) Styrene	11.96	104	228230	20.614	ug/l	99
71) Bromoform	12.13	173	48904	21.242	ug/l #	98
73) Isopropylbenzene	12.25	105	373273	19.137	ug/l	98
74) N-amyl acetate	12.07	43	116255	21.173	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	101157	19.381	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	88462m	22.380	ug/l	
77) Bromobenzene	12.53	156	90126	18.534	ug/l	99
78) n-propylbenzene	12.59	91	403909	19.166	ug/l	99
79) 2-Chlorotoluene	12.67	91	252742	19.228	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	306360	19.463	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20369	20.607	ug/l	99
82) 4-Chlorotoluene	12.77	91	239462	19.526	ug/l	100
83) tert-Butylbenzene	12.99	119	260509	19.597	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	297420	19.938	ug/l	99
85) sec-Butylbenzene	13.17	105	333518	19.689	ug/l	99
86) p-Isopropyltoluene	13.29	119	288141	19.827	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	148556	20.099	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	137983	19.577	ug/l	98
89) n-Butylbenzene	13.61	91	216654	20.082	ug/l	99
90) Hexachloroethane	13.87	117	44472	18.807	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	152550	20.513	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13602	21.163	ug/l	95

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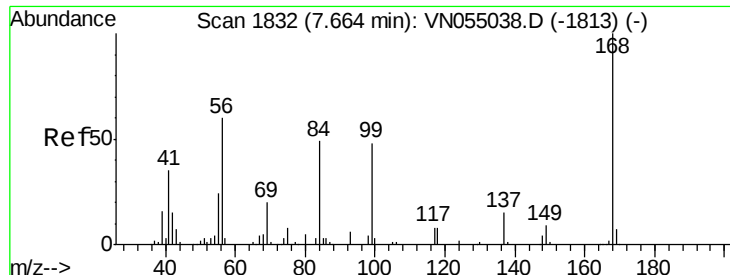
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	57399	18.792	ug/l	99
94) Hexachlorobutadiene	15.01	225	48864	21.273	ug/l	98
95) Naphthalene	15.13	128	121171	17.498	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	61153	21.316	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBS01

Tot Ion:168 Resp: 382203

Ion Ratio Lower Upper

168 100

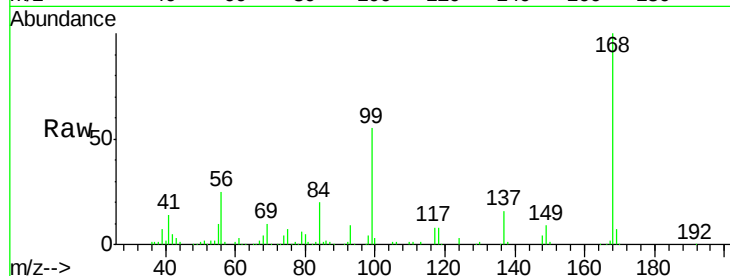
99 53.7 41.9 62.9

Manual Integrations

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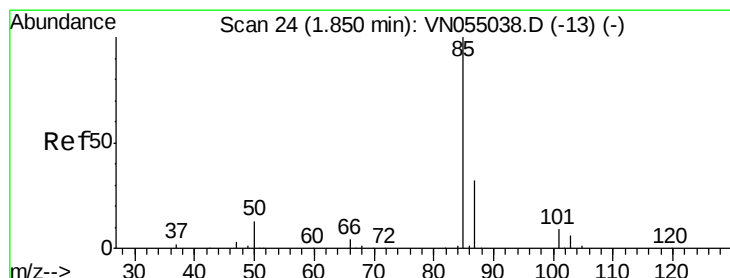
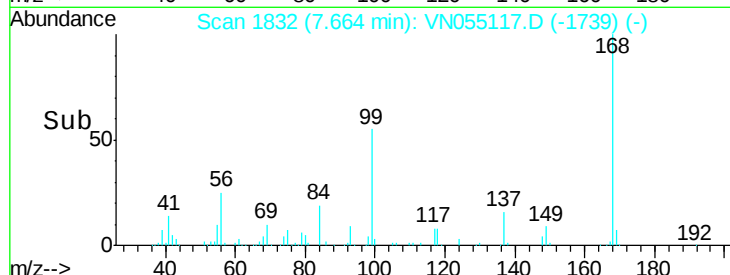
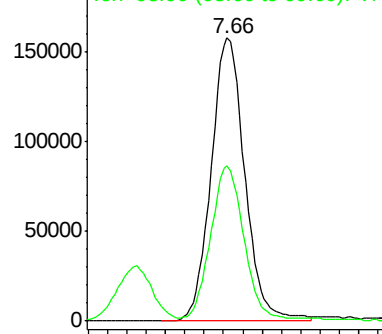
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.009 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055117.D

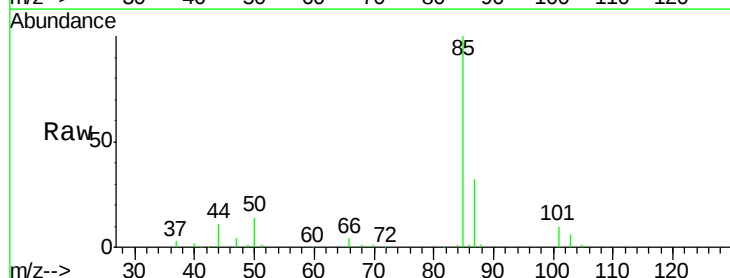
Acq: 18 Apr 2019 11:13

Tgt Ion: 85 Resp: 82566

Ion Ratio Lower Upper

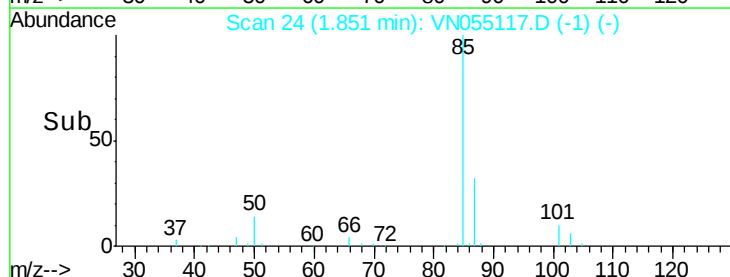
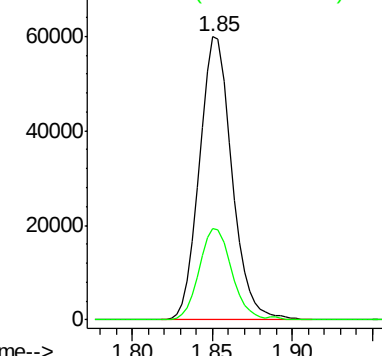
85 100

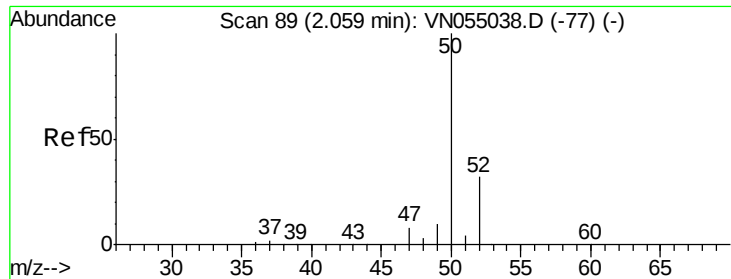
87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.037 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBS01

Tot Ion: 50 Resp: 107850

Ion Ratio Lower Upper

50 100

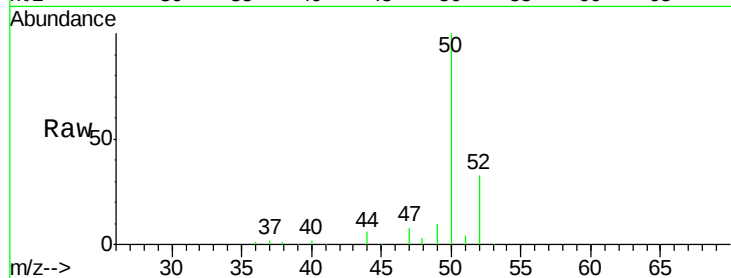
52 32.6 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

80000

60000

40000

20000

0

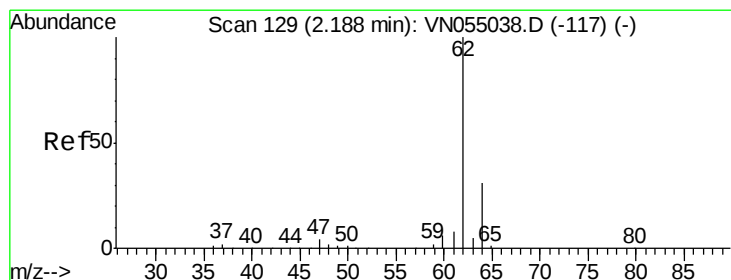
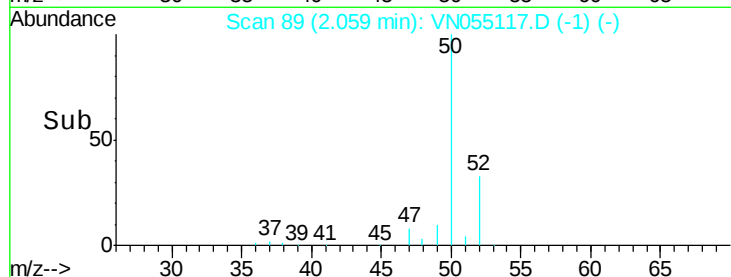
Time-->

2.00

2.05

2.10

2.15



#4

Vinyl Chloride

Concen: 18.029 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055117.D

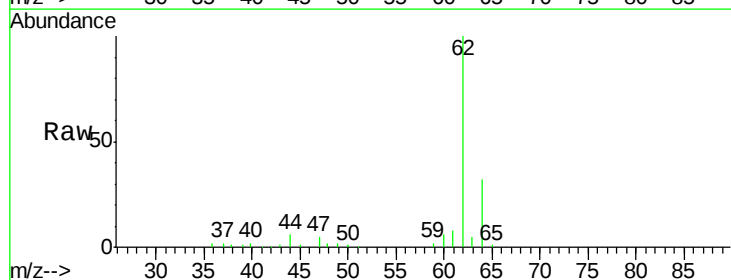
Acq: 18 Apr 2019 11:13

Tgt Ion: 62 Resp: 85849

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

60000

40000

20000

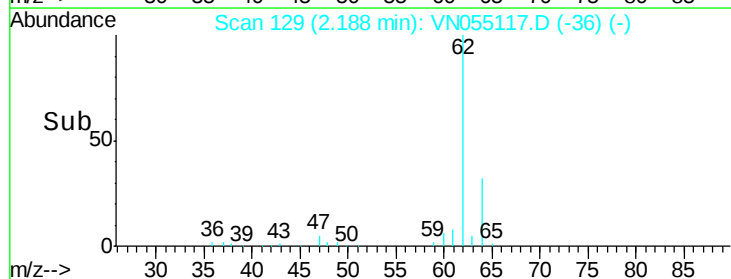
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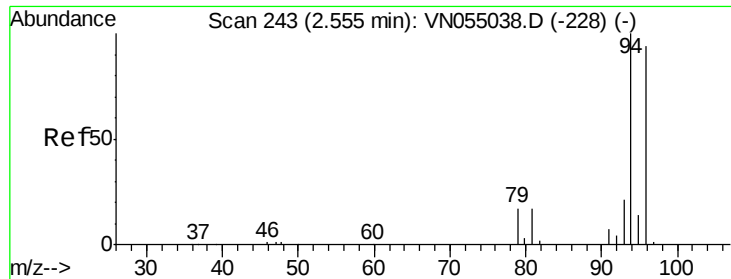
Time-->

2.15

2.20

2.25





#5

Bromomethane

Concen: 17.939 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

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ClientSampleId :

VN0418WBS01

Tot Ion: 94 Resp: 48324

Ion Ratio Lower Upper

94 100

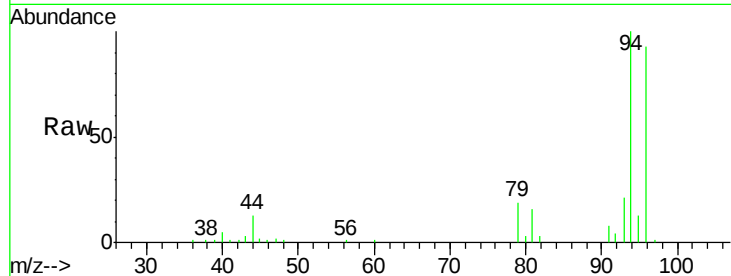
96 93.2 76.2 114.4

Manual Integrations

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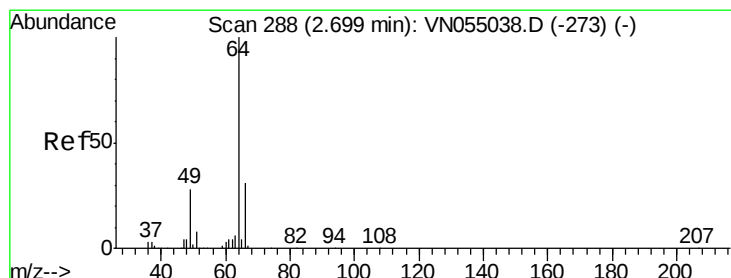
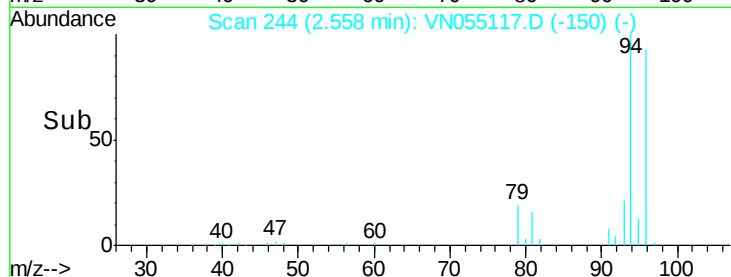
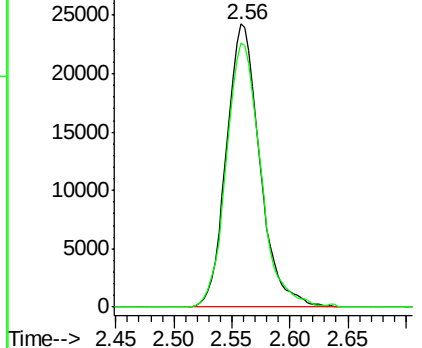
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.523 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055117.D

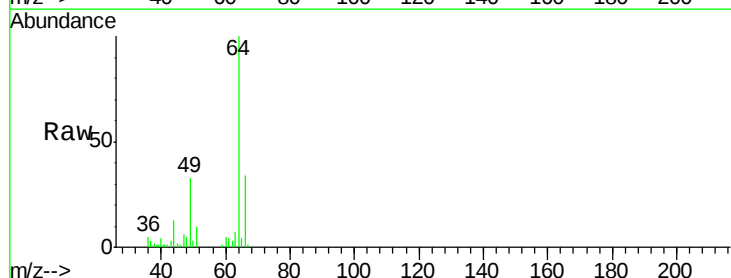
Acq: 18 Apr 2019 11:13

Tgt Ion: 64 Resp: 47565

Ion Ratio Lower Upper

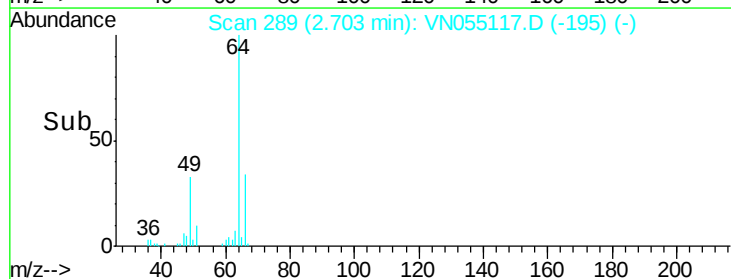
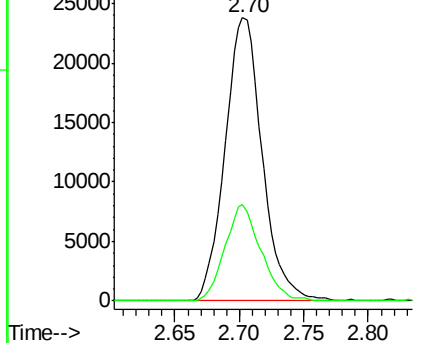
64 100

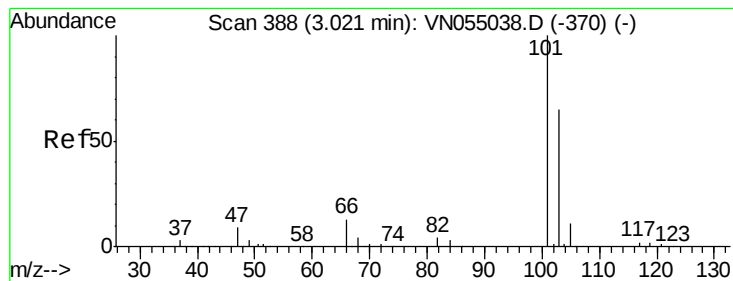
66 34.2 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

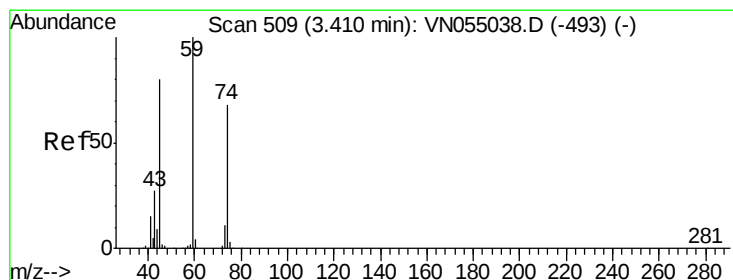
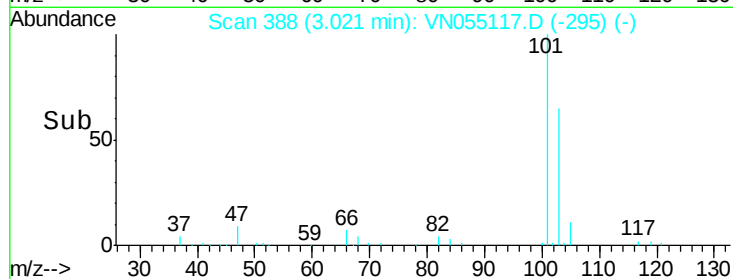
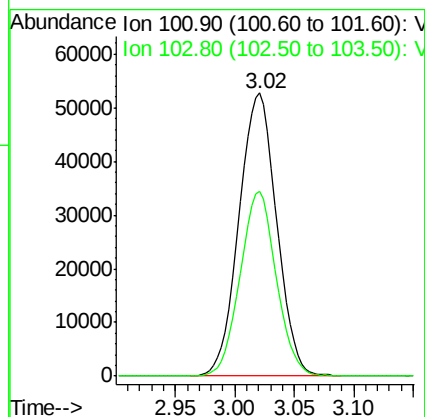
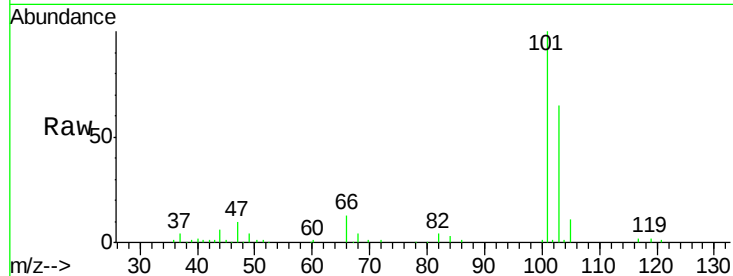
Trichlorofluoromethane
Concen: 19.400 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
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Tot Ion:101 Resp: 11530
Ion Ratio Lower Upper
101 100
103 65.5 52.5 78.7

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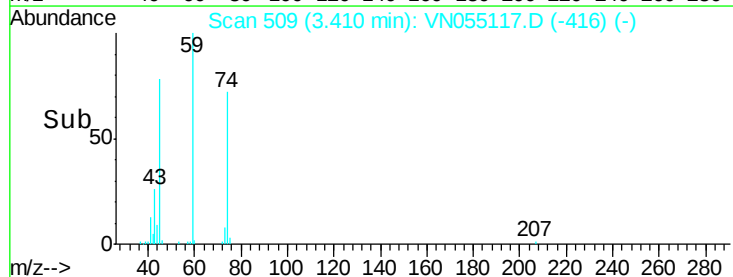
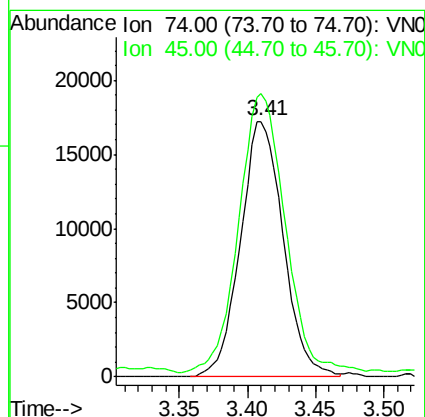
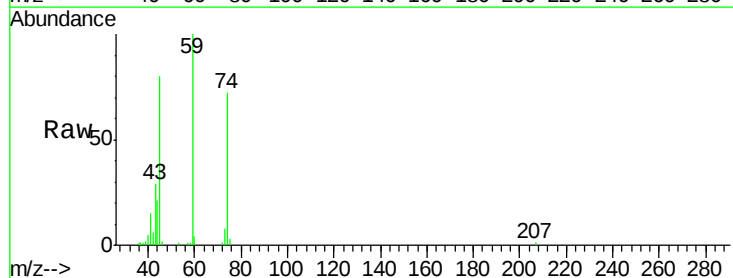
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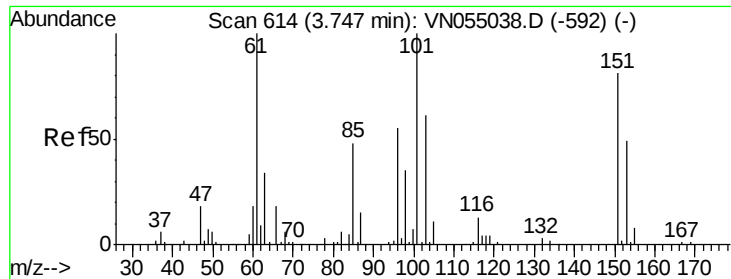


#8

Diethyl Ether
Concen: 19.753 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion: 74 Resp: 37550
Ion Ratio Lower Upper
74 100
45 117.9 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.154 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

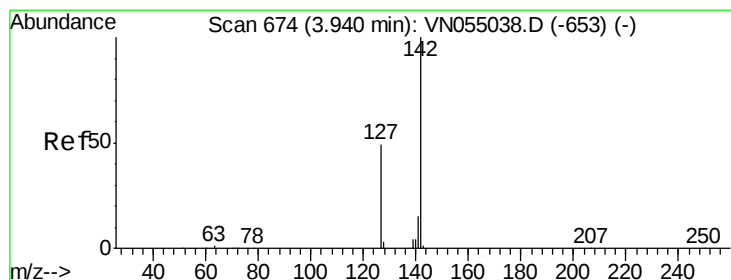
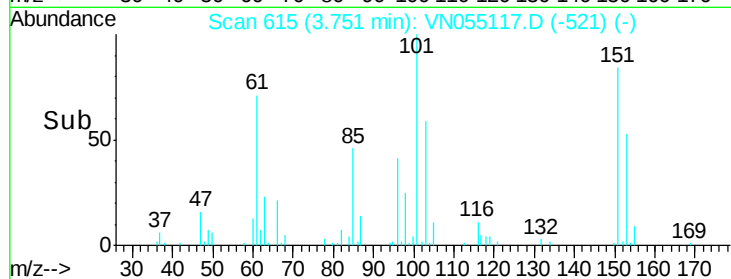
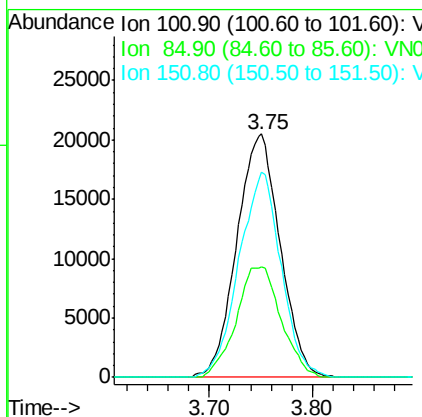
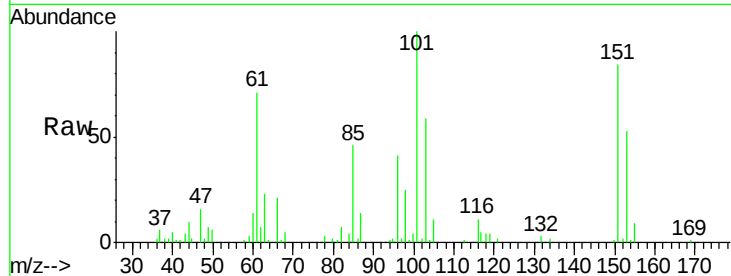
ClientSampled :

VN0418WBS01

Tot Ion:	101	Resp:	59694
Ion Ratio	Lower	Upper	
101	100		
85	47.0	36.9	55.3
151	82.1	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 17.724 ug/l

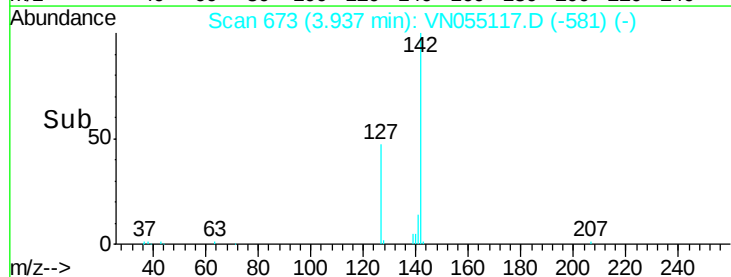
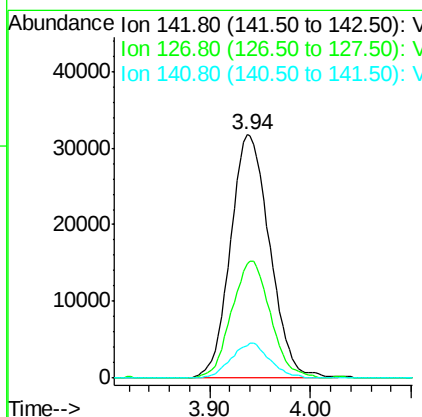
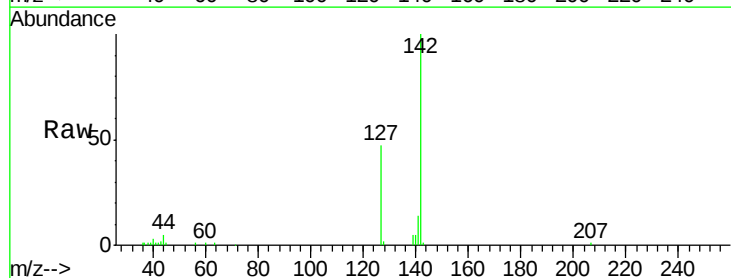
RT: 3.94 min Scan# 673

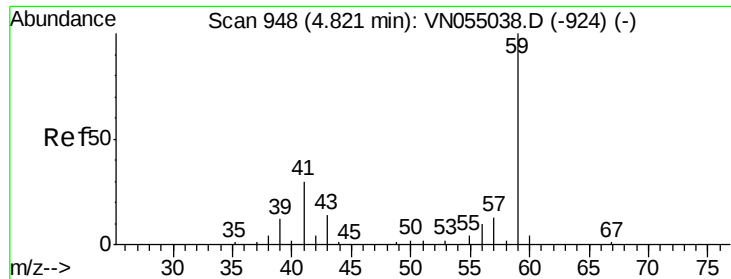
Delta R.T. -0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Tgt Ion:	142	Resp:	85719
Ion Ratio	Lower	Upper	
142	100		
127	47.6	37.9	56.9
141	14.2	11.8	17.8





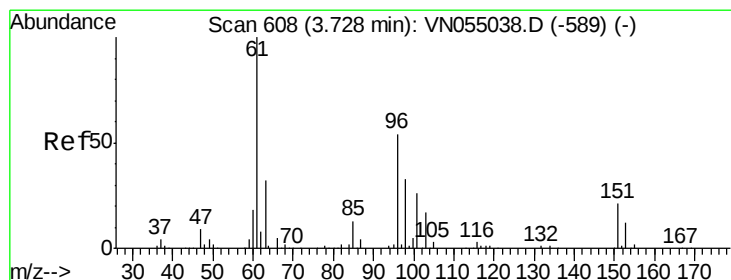
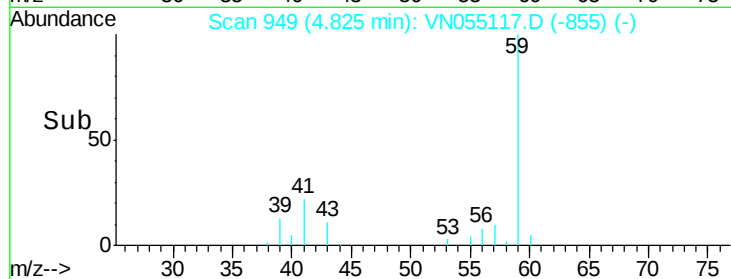
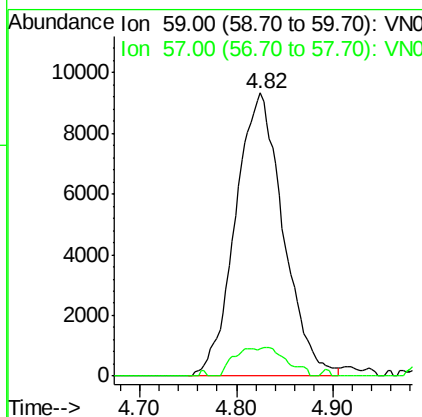
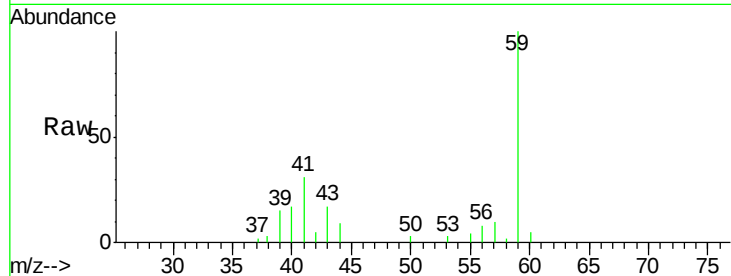
#11
Tert butyl alcohol
Concen: 114.724 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampled :
VN0418WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	31948		
57	5.1		8.3	12.5#

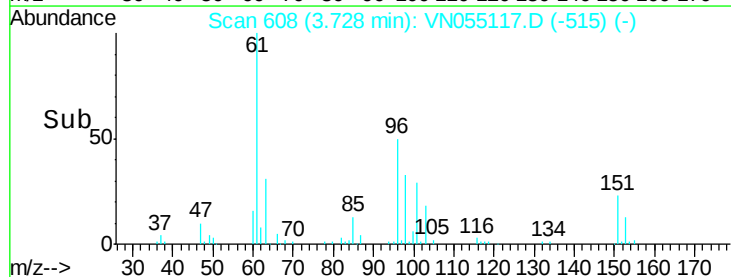
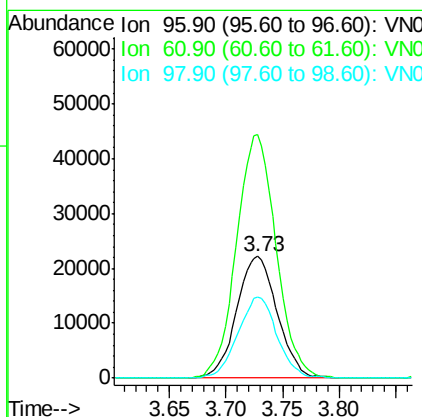
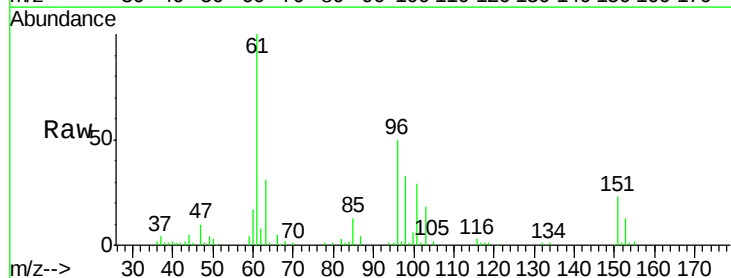
Manual Integrations
APPROVED

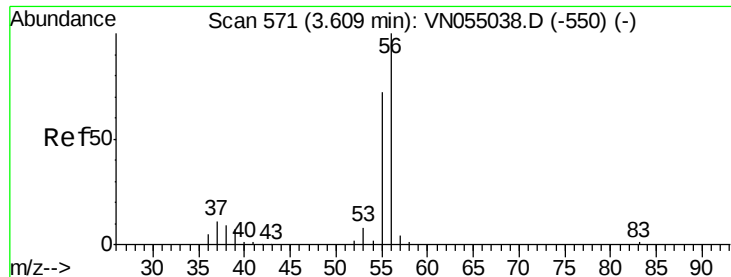
MMDadoda
4/19/2019 5:46:50 PM



#12
1,1-Dichloroethene
Concen: 18.262 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	55398		
61	200.4		154.2	231.4
98	67.1		52.9	79.3





#13

Acrolein

Concen: 69.393 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBS01

Tot Ion: 56 Resp: 23886

Ion Ratio Lower Upper

56 100

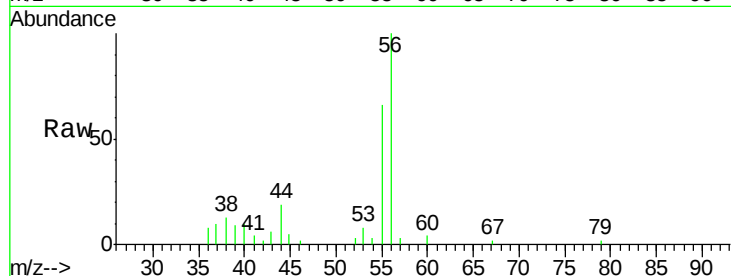
55 74.5 59.5 89.3

Manual Integrations

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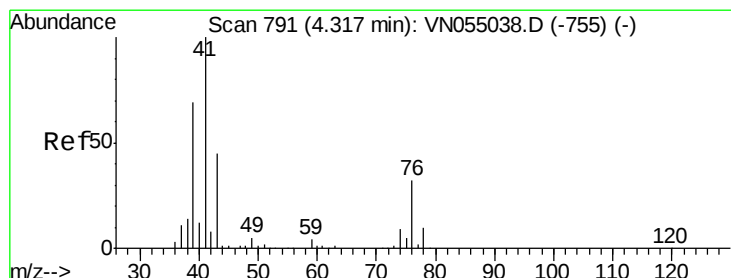
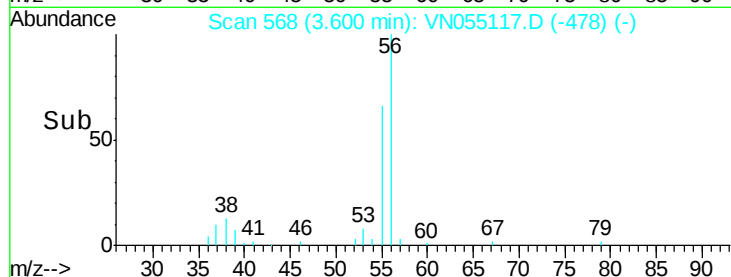
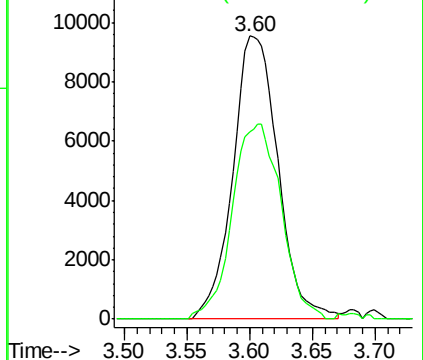
MMDadoda

4/19/2019 5:46:50 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.130 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

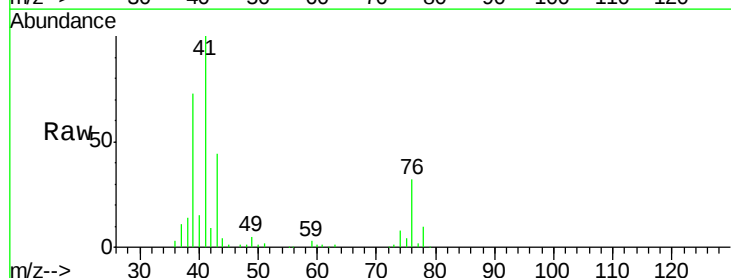
Tgt Ion: 41 Resp: 149475

Ion Ratio Lower Upper

41 100

39 66.1 52.7 79.1

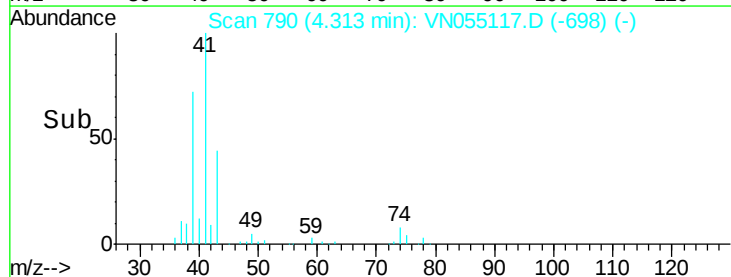
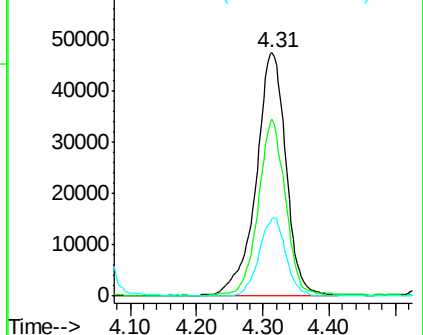
76 28.7 23.2 34.8

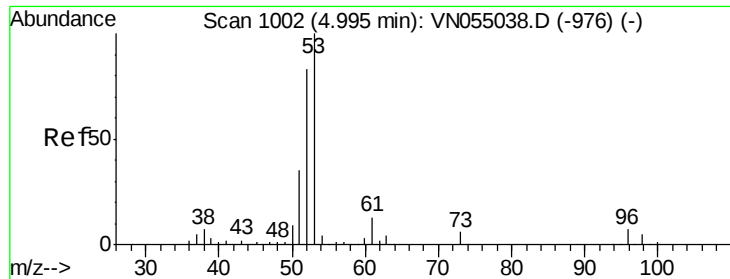


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.327 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

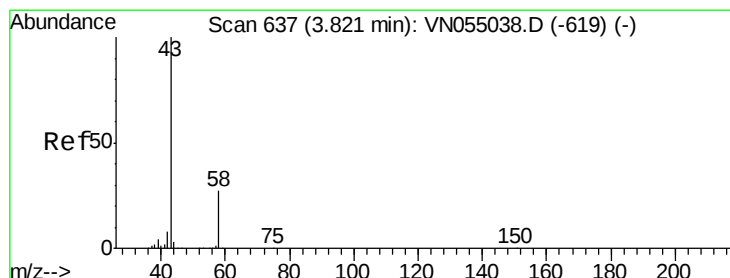
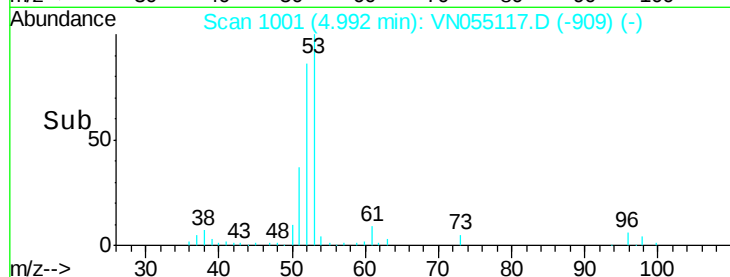
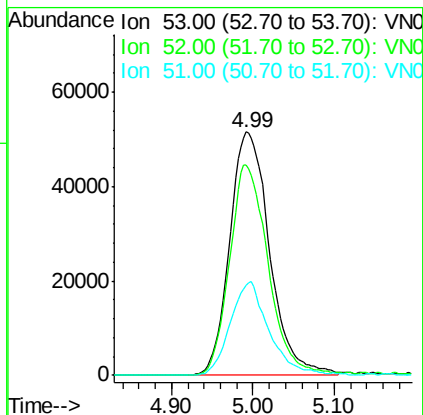
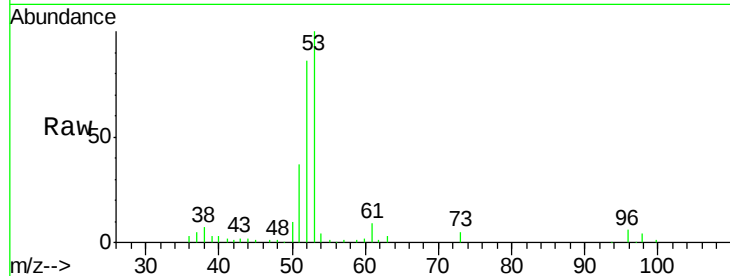
ClientSampleId :

VN0418WBS01

Tot Ion:	53	Resp:	175488
Ion Ratio	Lower	Upper	
53	100		
52	84.0	65.9	98.9
51	37.2	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 100.125 ug/l

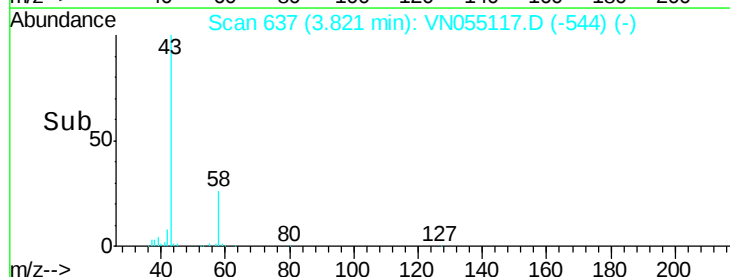
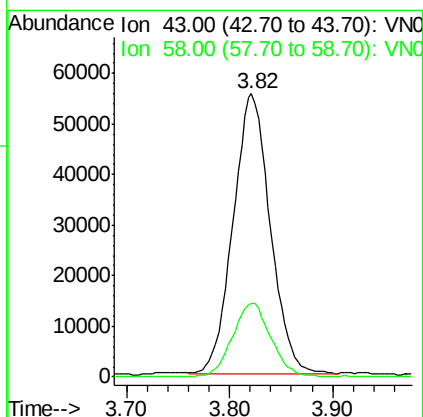
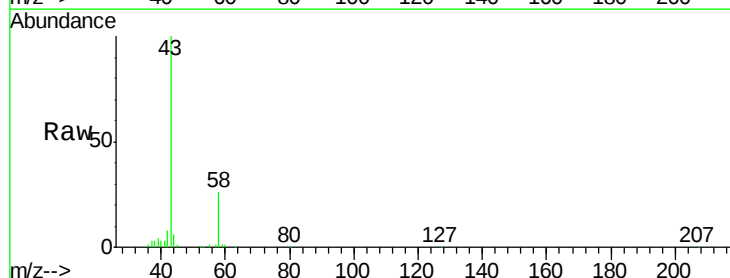
RT: 3.82 min Scan# 637

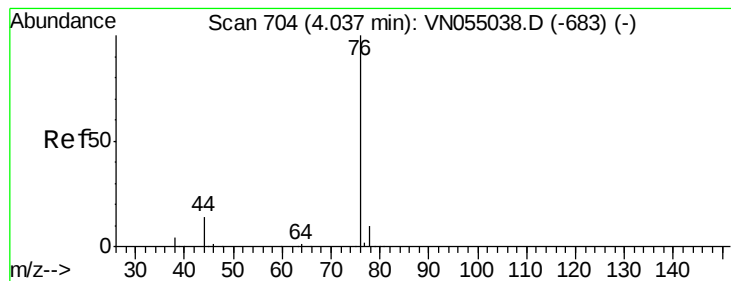
Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Tgt Ion:	43	Resp:	138064
Ion Ratio	Lower	Upper	
43	100		
58	26.2	20.9	31.3





#17

Carbon Disulfide

Concen: 17.171 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBS01

Tot Ion: 76 Resp: 168146

Ion Ratio Lower Upper

76 100

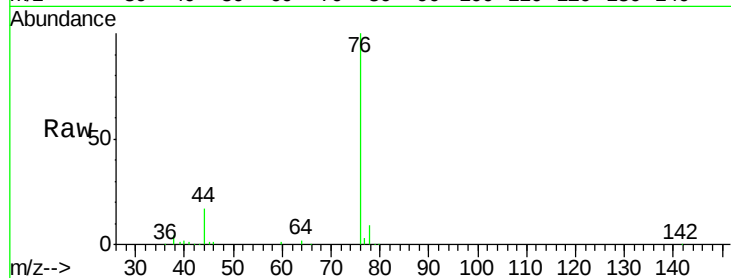
78 9.2 7.2 10.8

Manual Integrations

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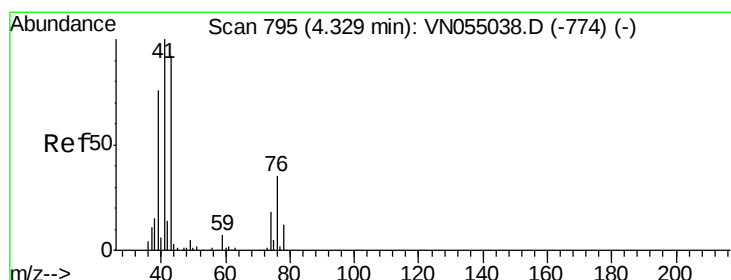
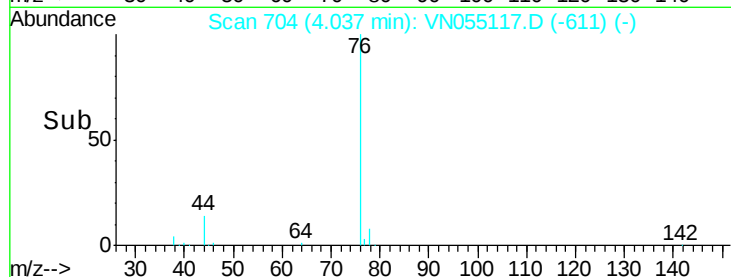
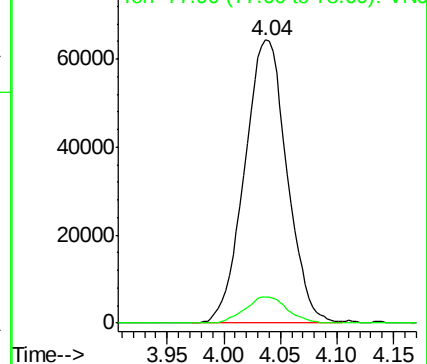
MMDadoda

4/19/2019 5:46:50 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.522 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055117.D

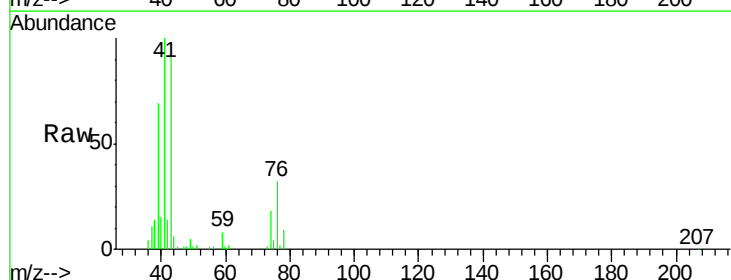
Acq: 18 Apr 2019 11:13

Tgt Ion: 43 Resp: 90463

Ion Ratio Lower Upper

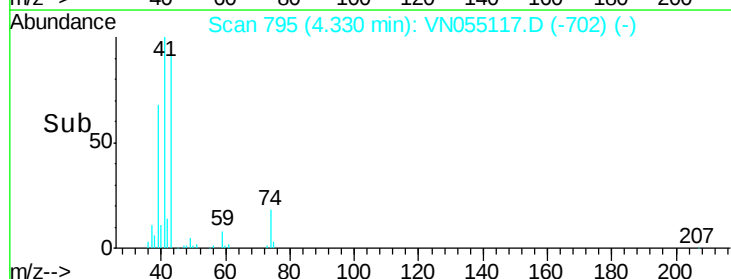
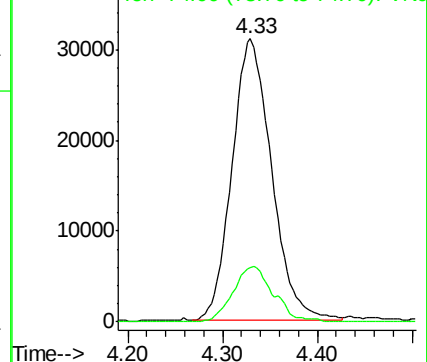
43 100

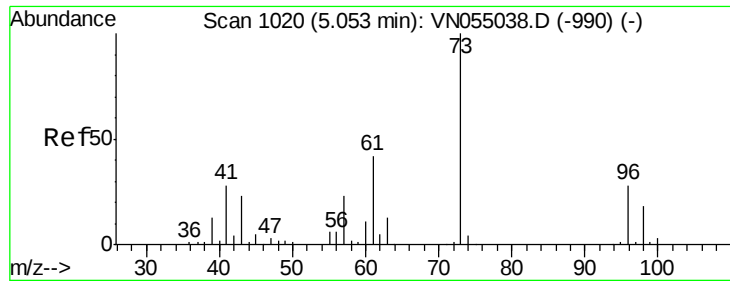
74 20.1 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





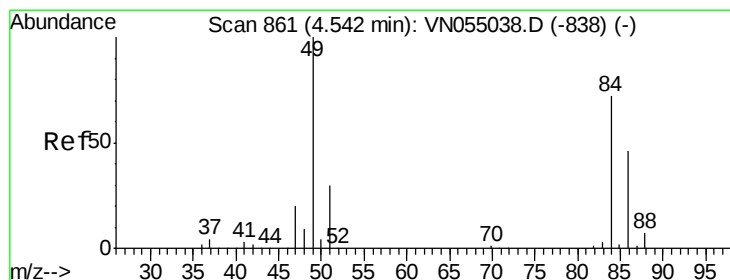
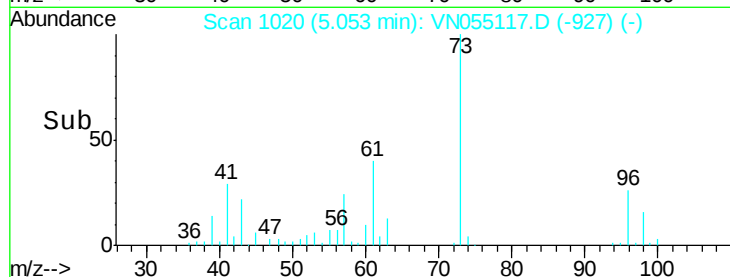
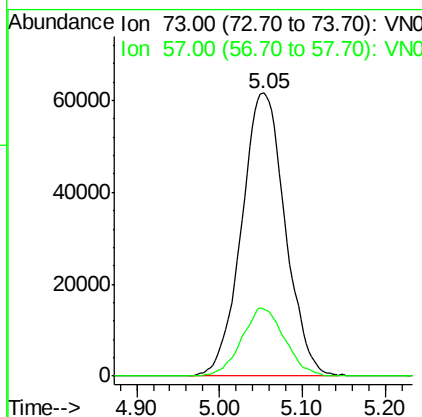
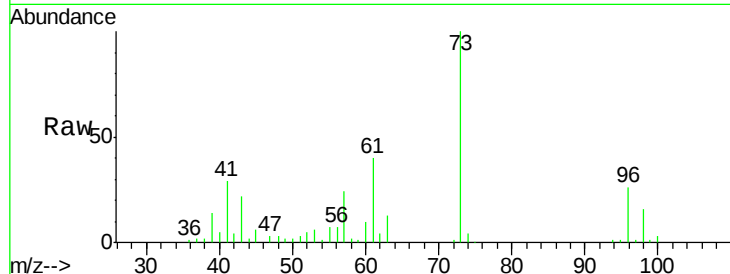
#19
Methvl tert-butvl Ether
Concen: 20.734 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBS01

Tot Ion: 73 Resp: 224997
Ion Ratio Lower Upper
73 100
57 23.8 19.0 28.4

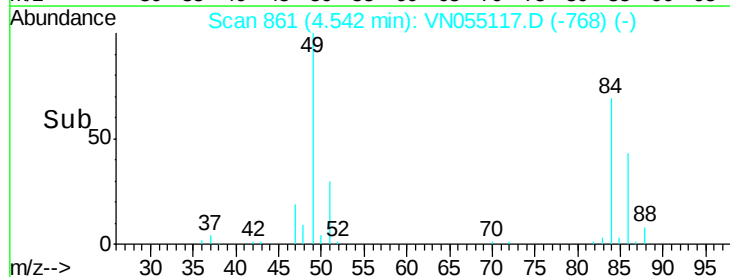
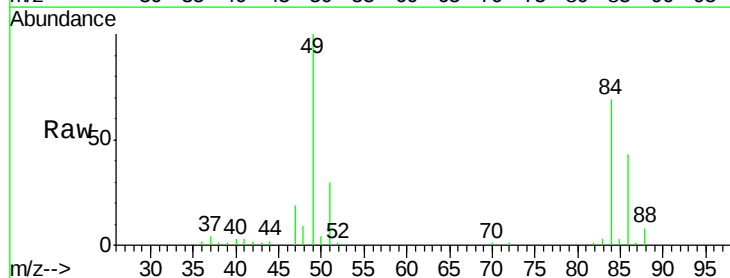
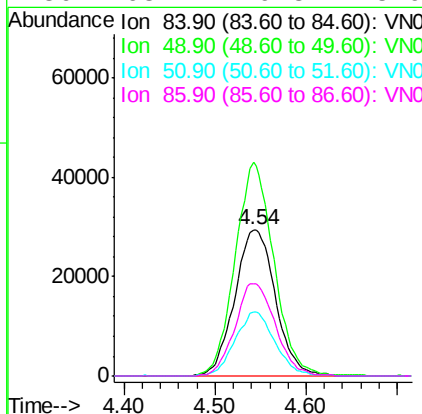
Manual Integrations
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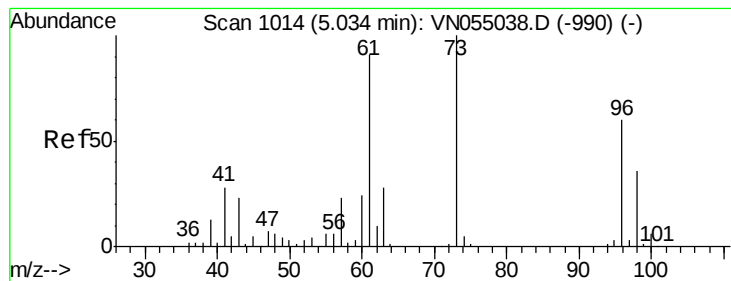
MMDadoda
4/19/2019 5:46:50 PM



#20
Methylene Chloride
Concen: 18.809 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion: 84 Resp: 91172
Ion Ratio Lower Upper
84 100
49 145.7 109.4 164.2
51 43.9 32.2 48.4
86 63.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 18.718 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBS01

Tot Ion: 96 Resp: 76798

Ion Ratio Lower Upper

96 100

61 154.4 114.9 172.3

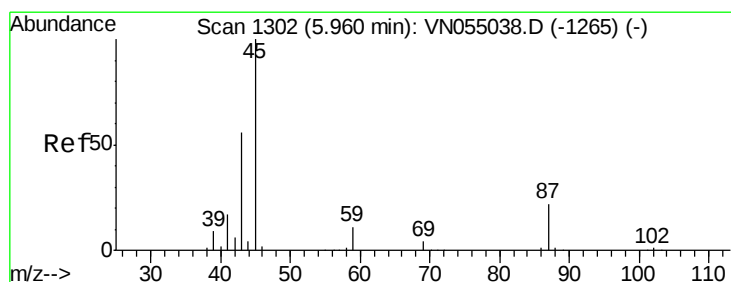
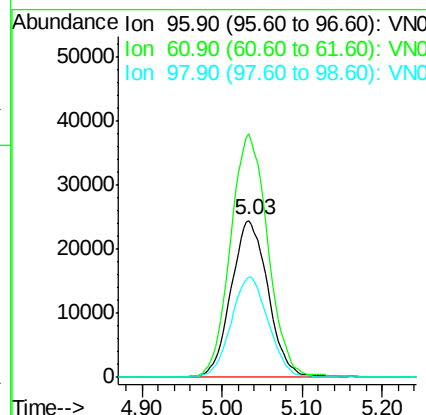
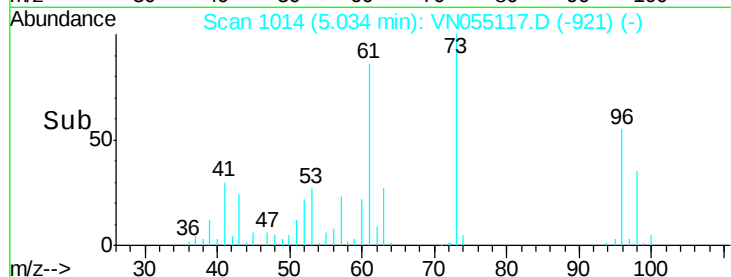
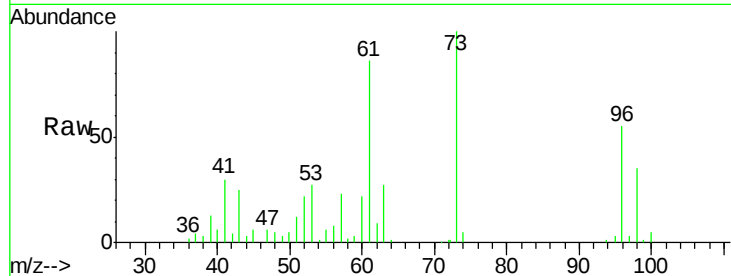
98 64.0 48.4 72.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.458 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Tgt Ion: 45 Resp: 312283

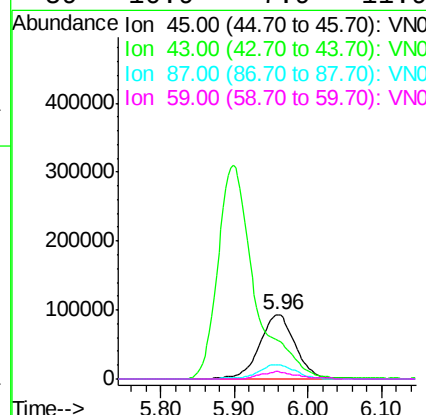
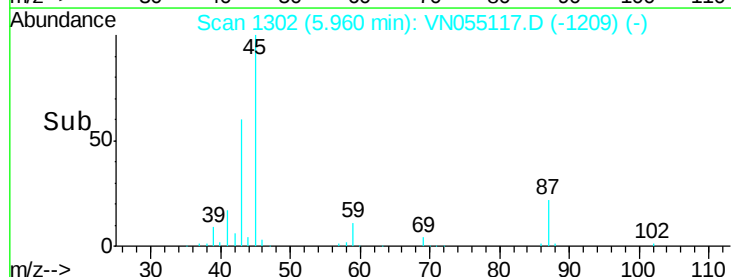
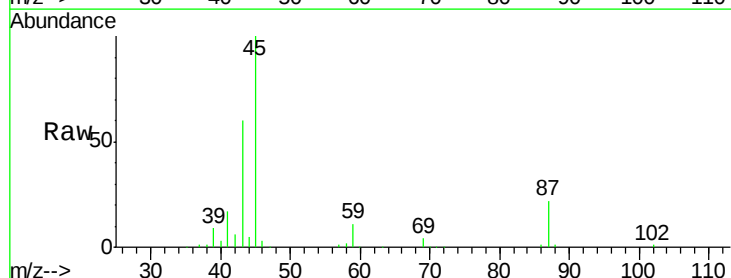
Ion Ratio Lower Upper

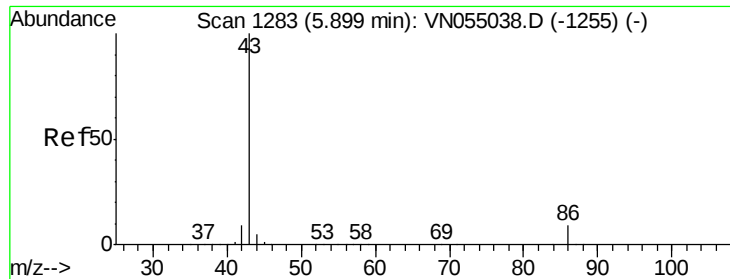
45 100

43 58.0 44.8 67.2

87 21.8 18.9 28.3

59 10.9 7.9 11.9





#23

Vinyl Acetate

Concen: 106.488 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampled :

VN0418WBS01

Tot Ion: 43 Resp: 1074431

Ion Ratio Lower Upper

43 100

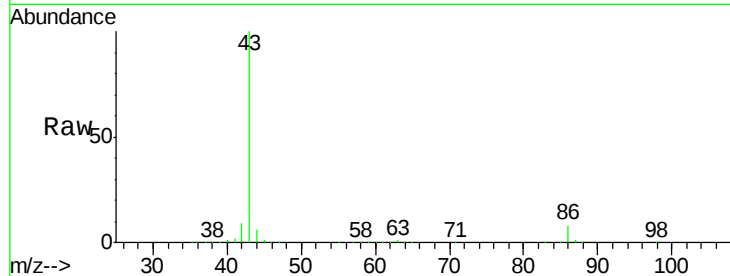
86 8.2 7.0 10.4

Manual Integrations

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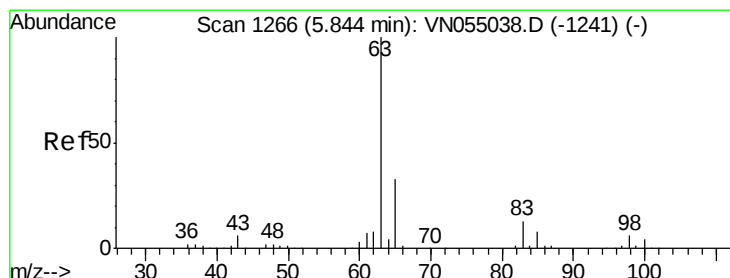
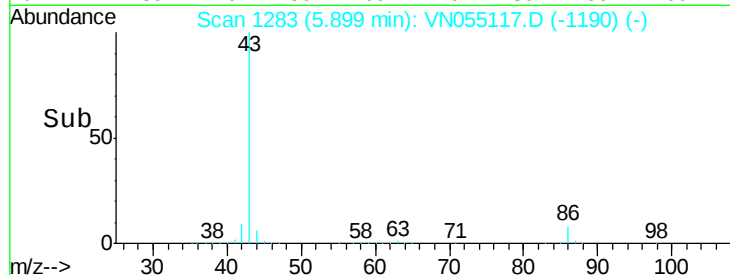
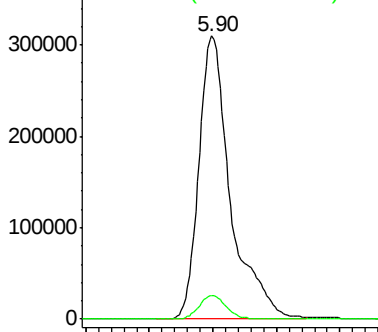
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.980 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

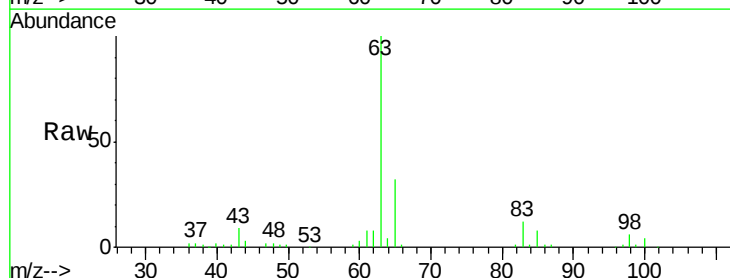
Tgt Ion: 63 Resp: 162416

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

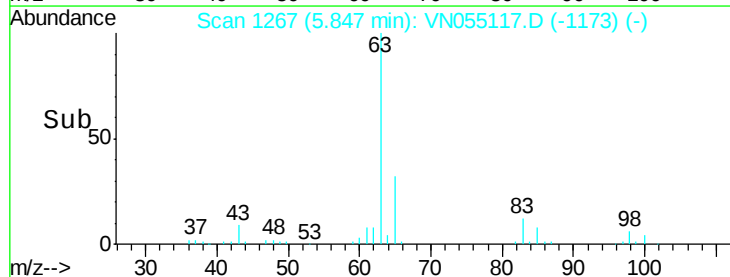
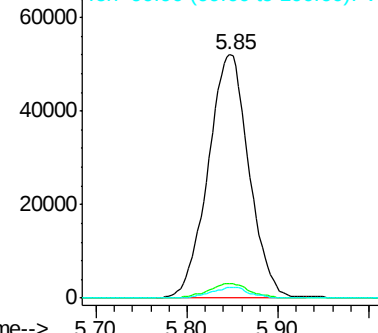
100 4.5 2.0 5.8

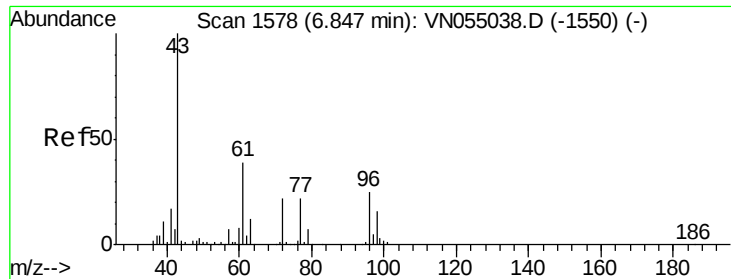


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





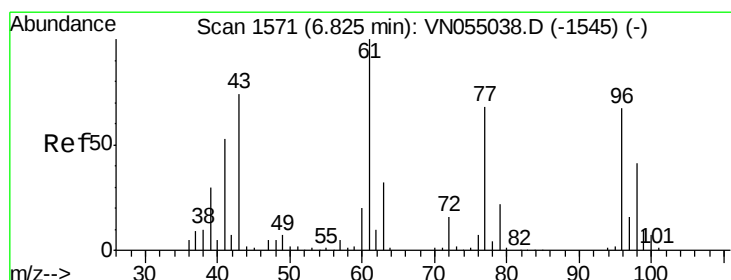
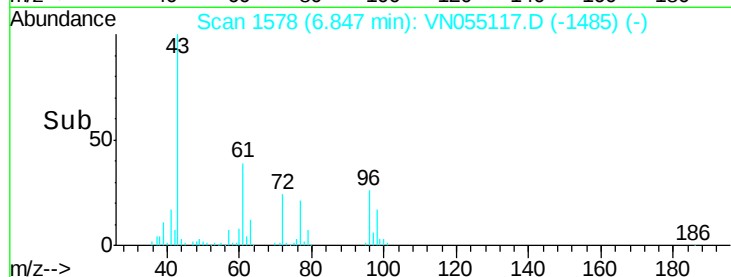
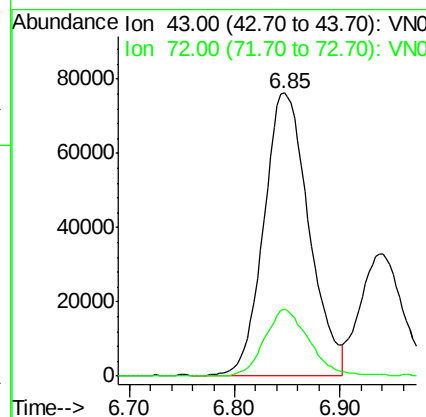
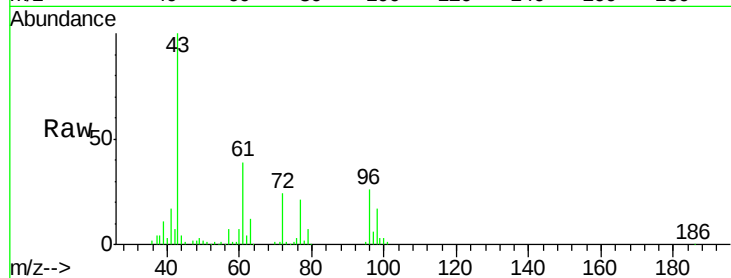
#25
 2-Butanone
 Concen: 109.753 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Tot Ion: 43 Resp: 225873
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.1 27.1

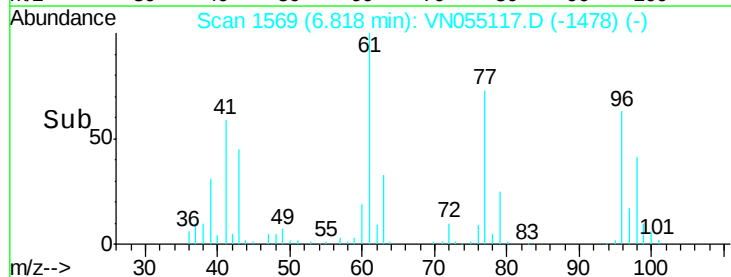
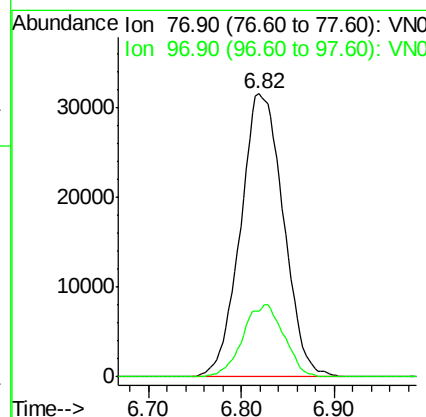
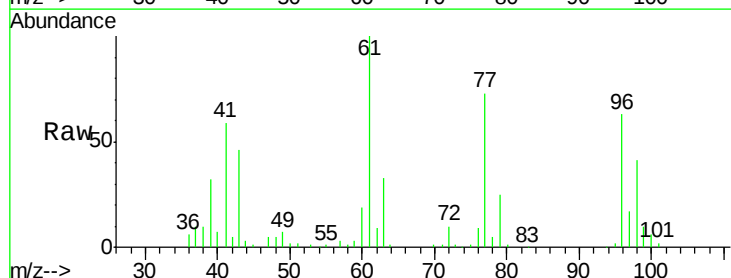
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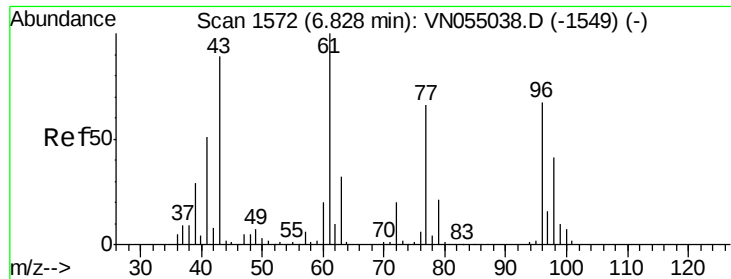
MMDadoda
 4/19/2019 5:46:50 PM



#26
 2,2-Dichloropropane
 Concen: 19.760 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion: 77 Resp: 101381
 Ion Ratio Lower Upper
 77 100
 97 24.5 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 19.658 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

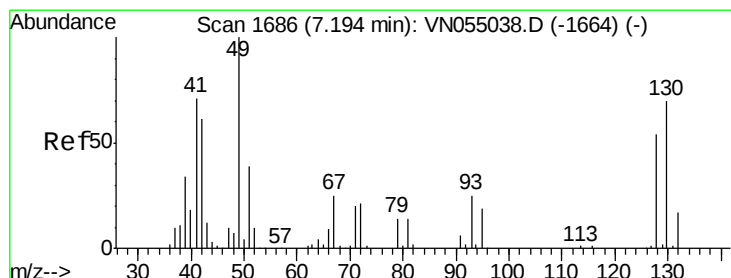
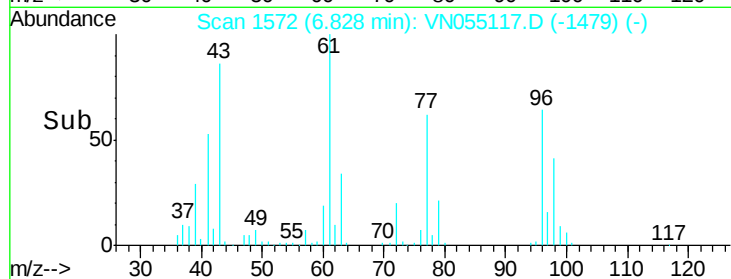
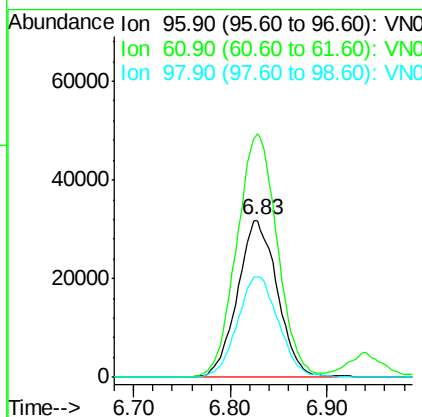
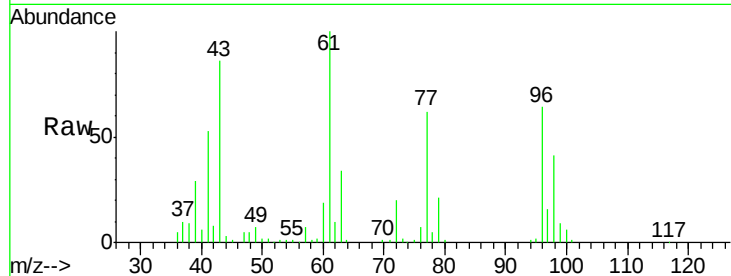
ClientSampleId :

VN0418WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.3	0.0	311.0
98	66.0	0.0	127.4

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4/19/2019 5:46:50 PM



#28

Bromochloromethane

Concen: 19.985 ug/l

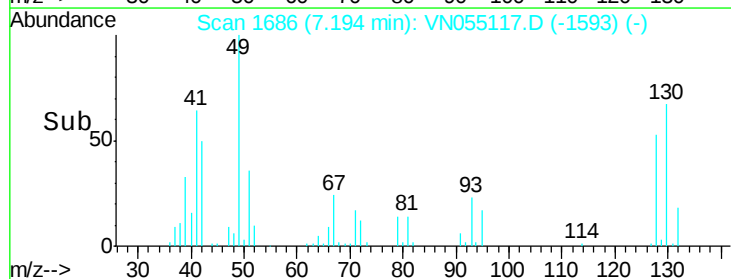
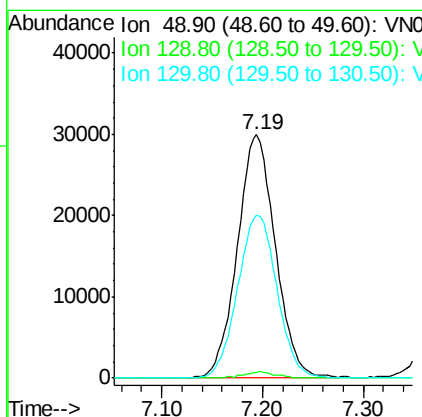
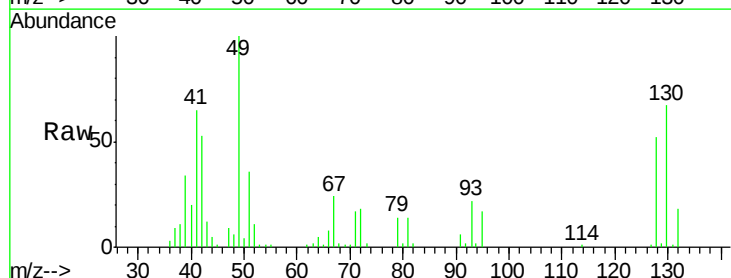
RT: 7.19 min Scan# 1686

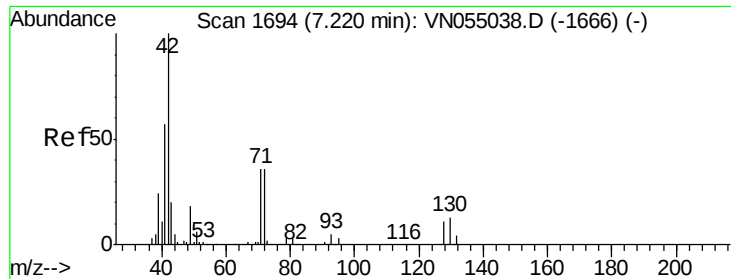
Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.0#
130	69.2	53.4	80.2





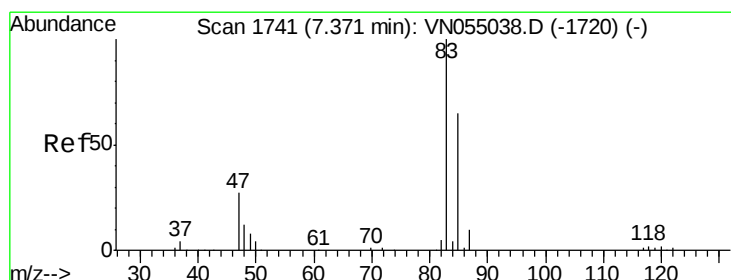
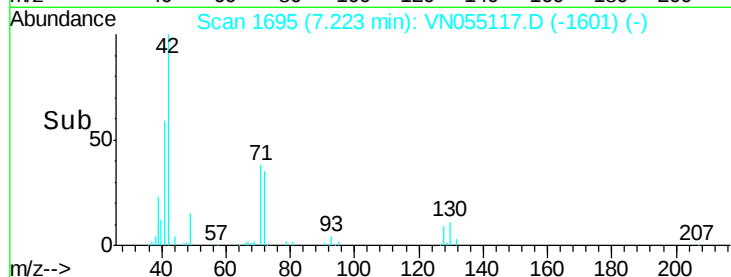
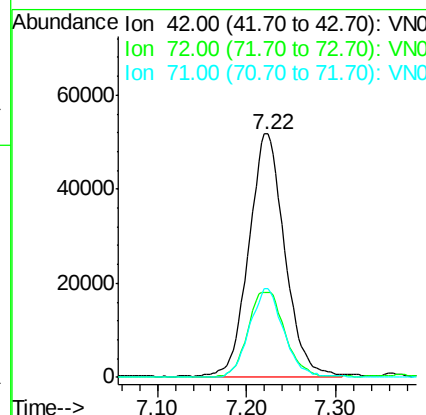
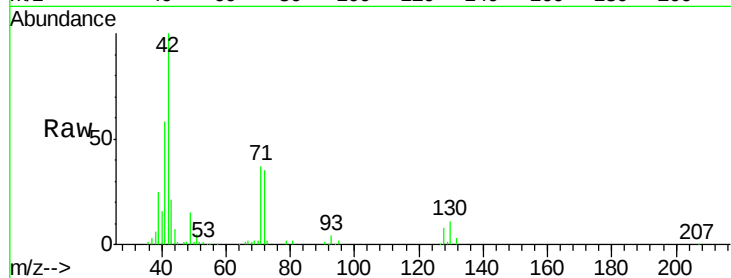
#29
Tetrahydrofuran
Concen: 106.554 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	29.4	44.0
71	34.9	27.8	41.6

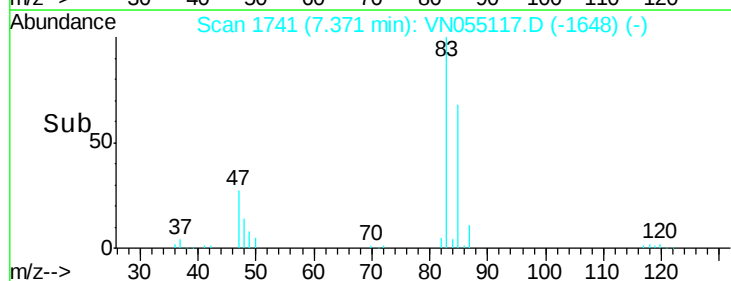
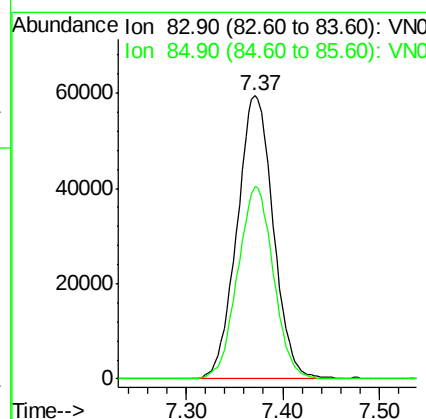
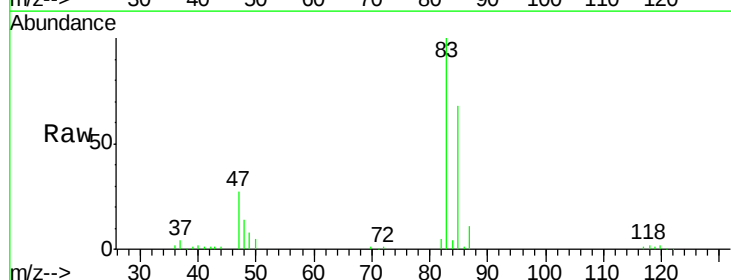
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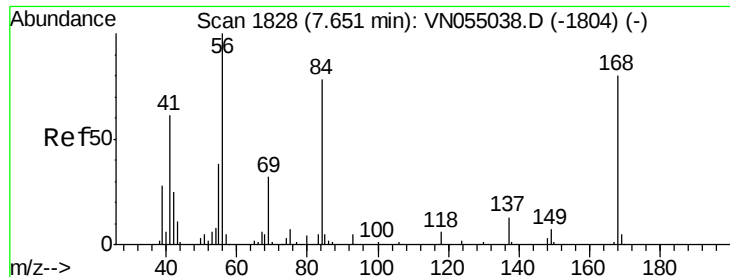
MMDadoda
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#30
Chloroform
Concen: 19.639 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	51.8	77.6





#31

Cyclohexane

Concen: 19.255 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

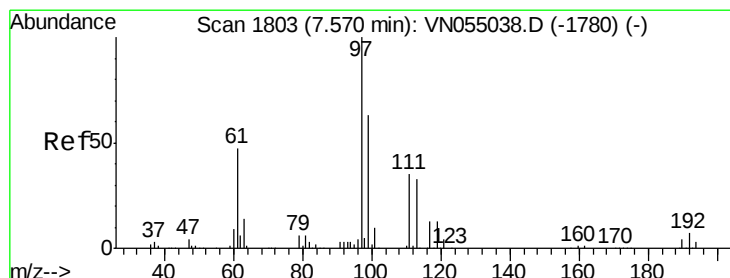
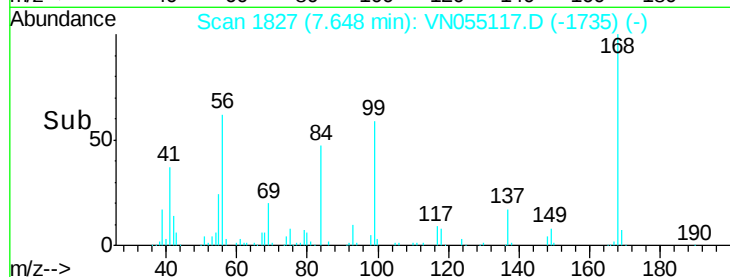
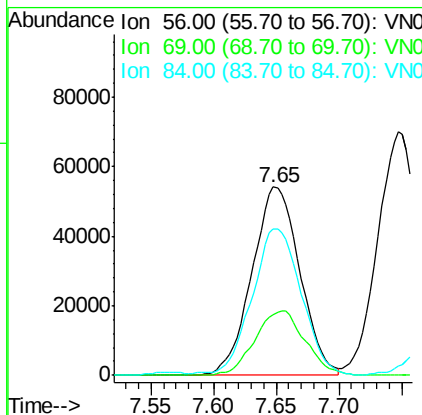
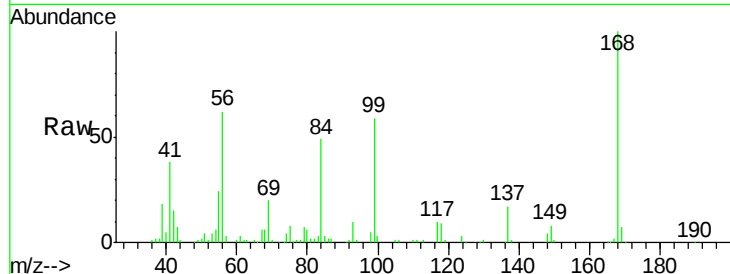
ClientSampleId :

VN0418WBS01

Tot Ion:	56	Resp:	143906
Ion	Ratio	Lower	Upper
56	100		
69	32.5	24.5	36.7
84	76.9	62.9	94.3

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#32

1,1,1-Trichloroethane

Concen: 19.832 ug/l

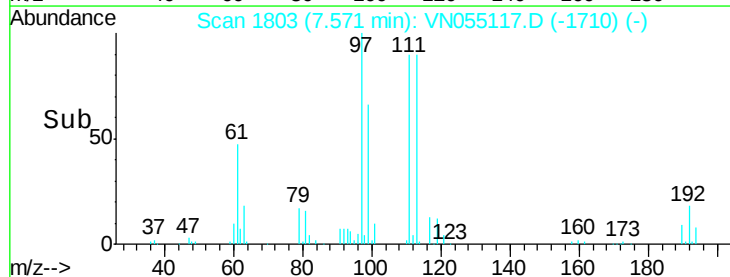
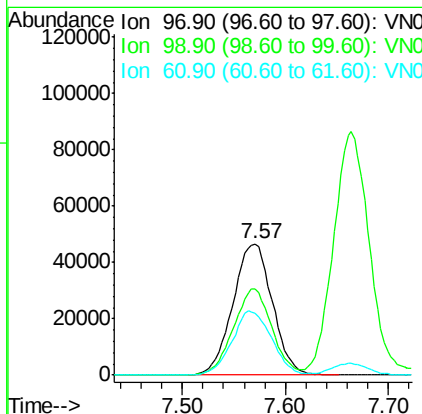
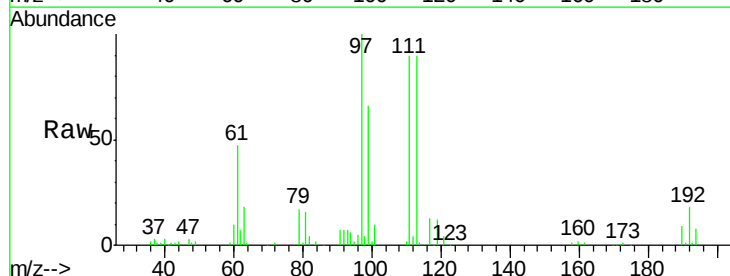
RT: 7.57 min Scan# 1803

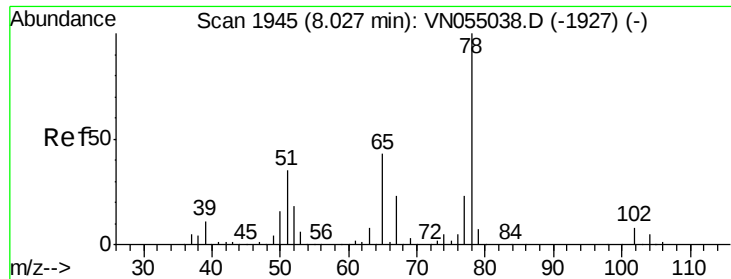
Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Tgt Ion:	97	Resp:	124063
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	48.9	38.3	57.5





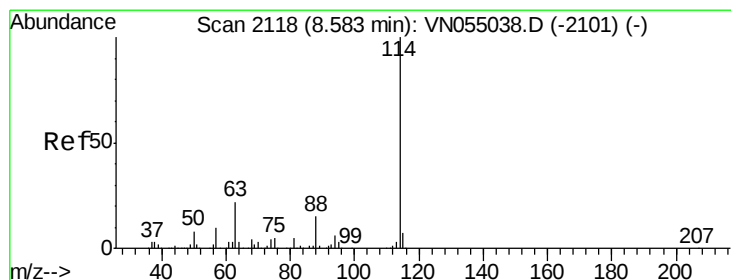
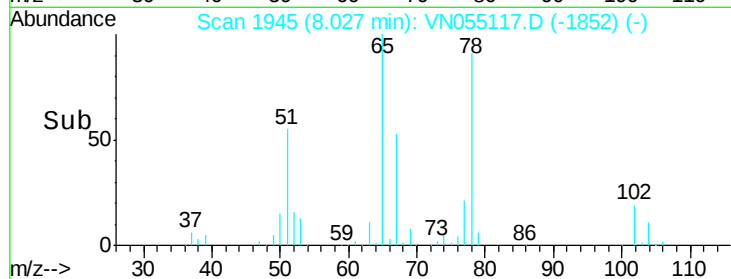
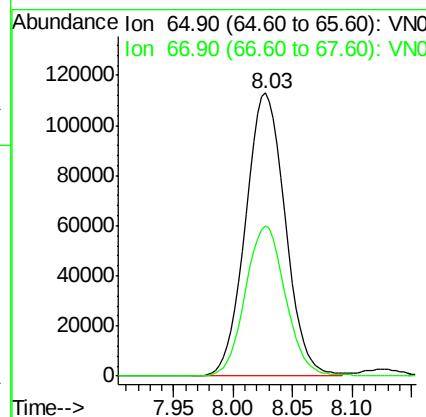
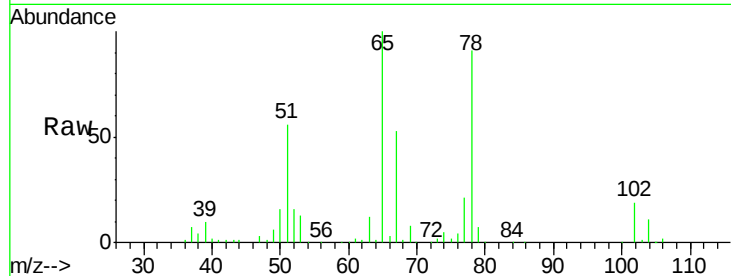
#33
 1,2-Dichloroethane-d4
 Concen: 51.521 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	261747		
67	53.7	0.0	106.4	

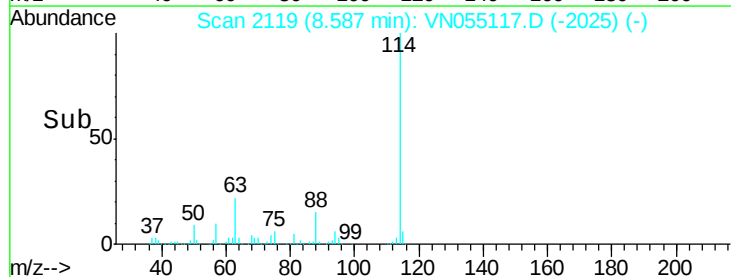
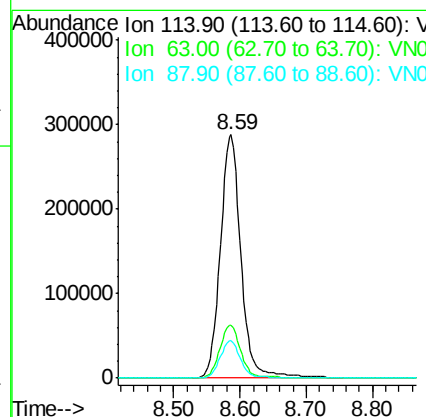
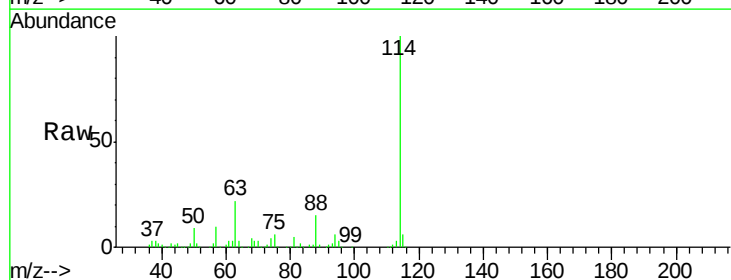
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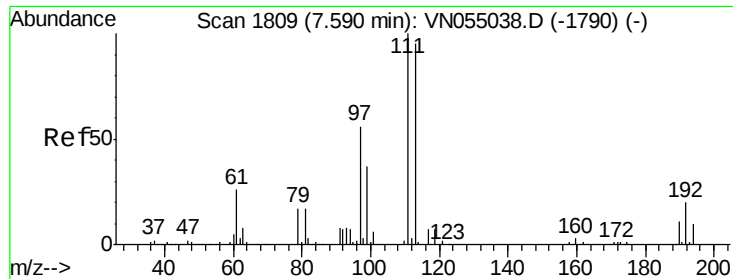
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	624225		
63	21.9	0.0	45.2	
88	15.4	0.0	31.8	





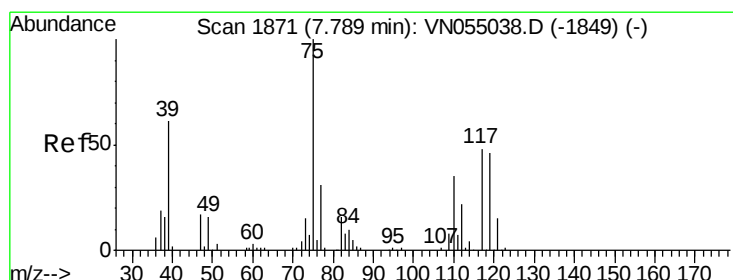
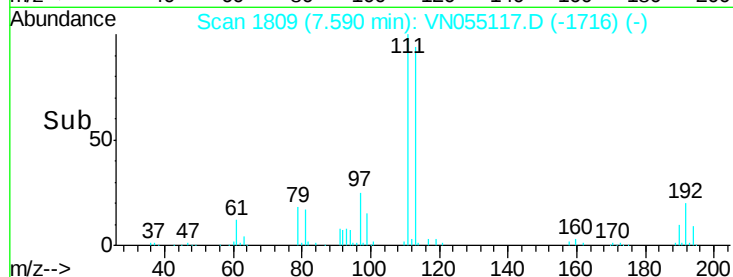
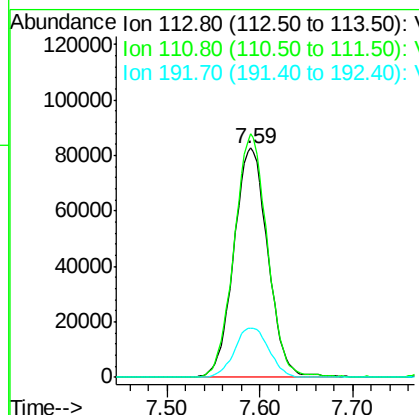
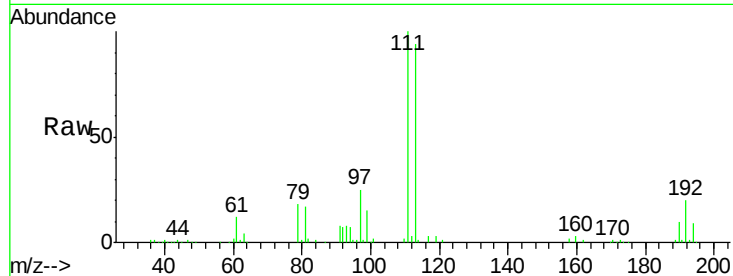
#35
 Dibromofluoromethane
 Concen: 50.361 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.3	82.1	123.1	
192	21.8	16.5	24.7	

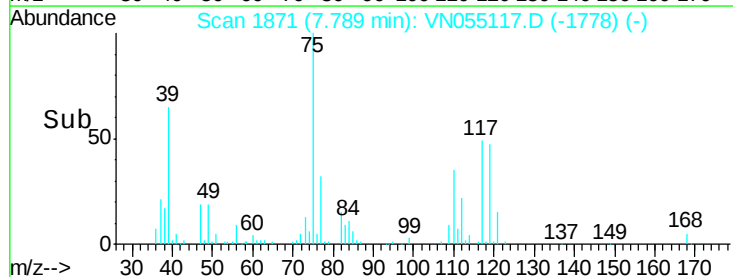
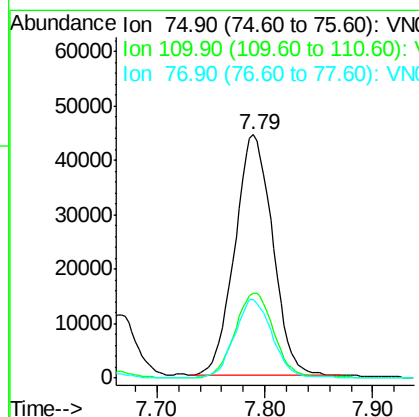
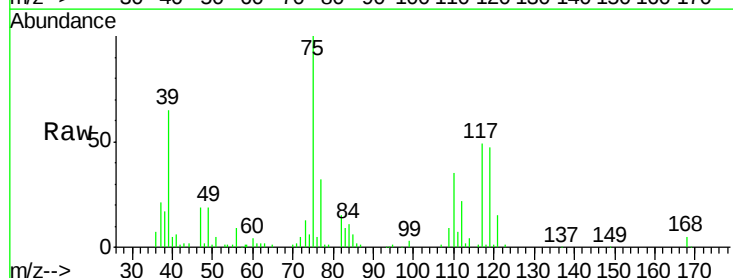
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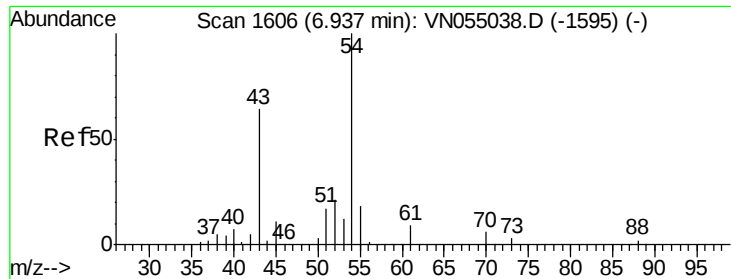
MMDadoda
 4/19/2019 5:46:50 PM



#36
 1,1-Dichloropropene
 Concen: 18.357 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	17.5	52.5	
77	32.5	24.9	37.3	





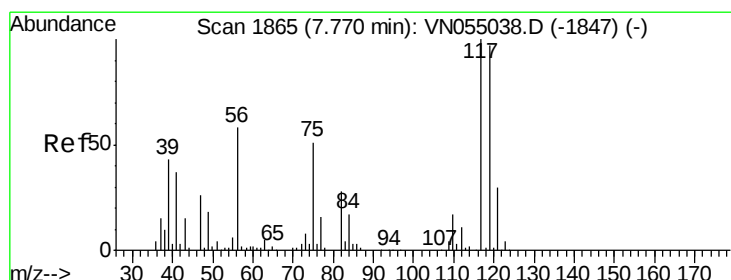
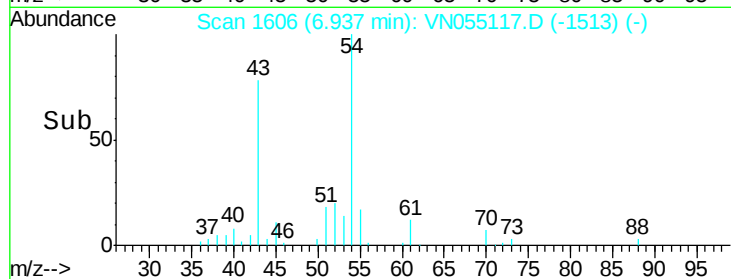
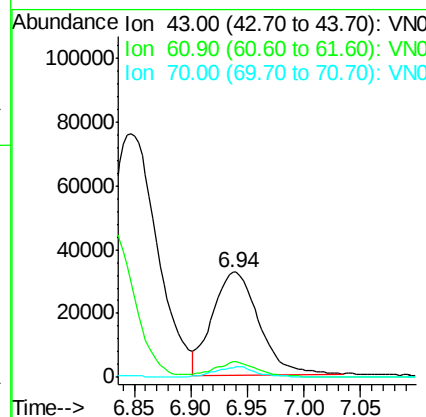
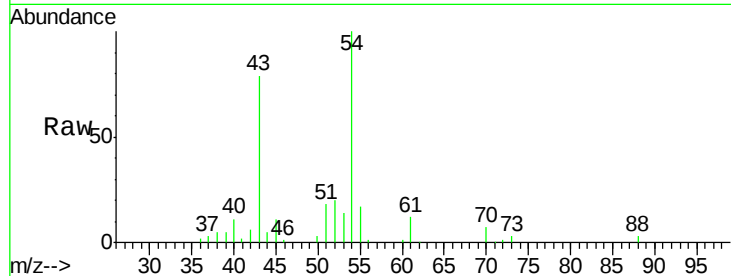
#37
Ethyl Acetate
Concen: 19.187 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBS01

Tot Ion	43	61	70	Resp	Lower	Upper
91918	100	14.7	9.3			
		10.0	7.1			
		15.0	10.7			

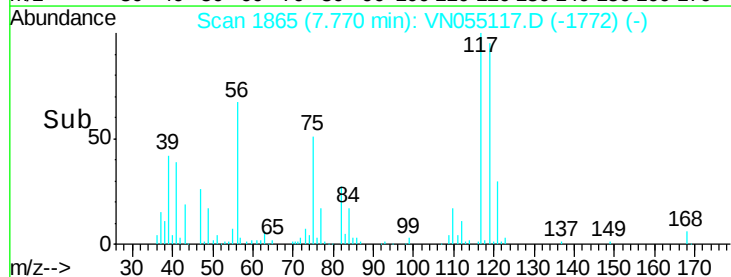
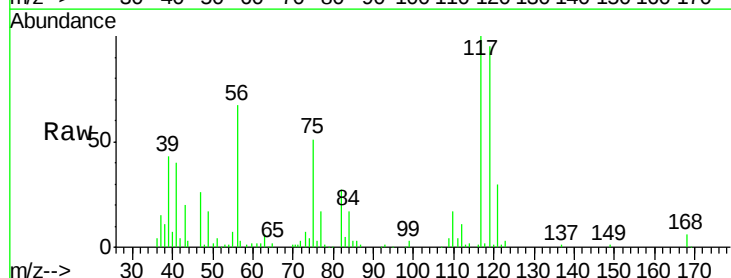
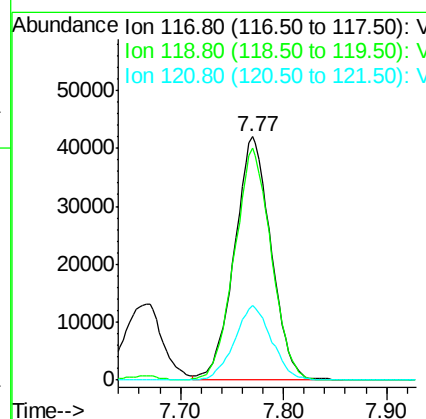
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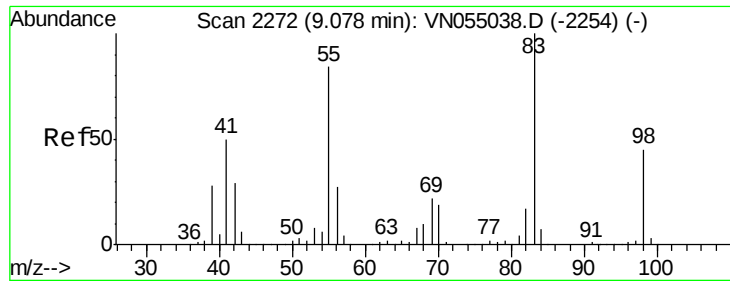
MMDadoda
4/19/2019 5:46:50 PM



#38
Carbon Tetrachloride
Concen: 18.549 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion	117	119	121	Resp	Lower	Upper
103845	100	95.3	30.5			
		76.3	23.9			
		114.5	35.9			





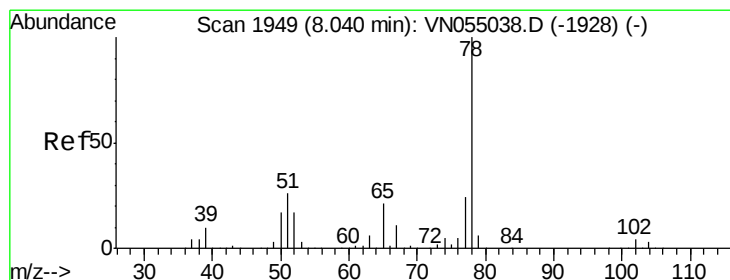
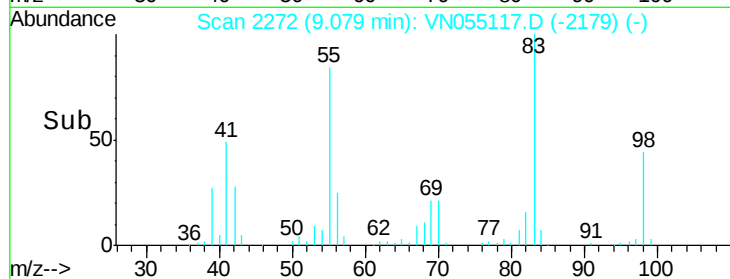
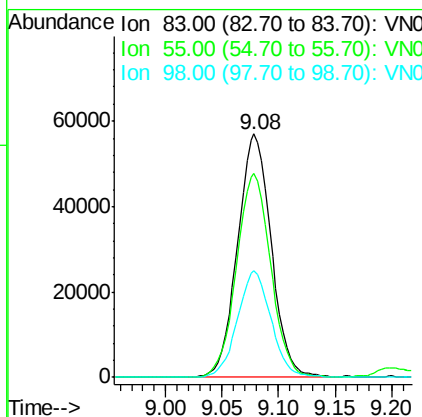
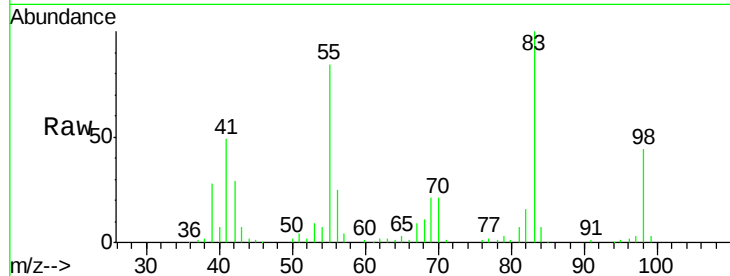
#39
Methvlcvclohexane
Concen: 18.564 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBS01

Tot Ion	83	Resp	118372
Ion Ratio	Lower	Upper	
83	100		
55	83.9	67.0	100.4
98	43.7	35.6	53.4

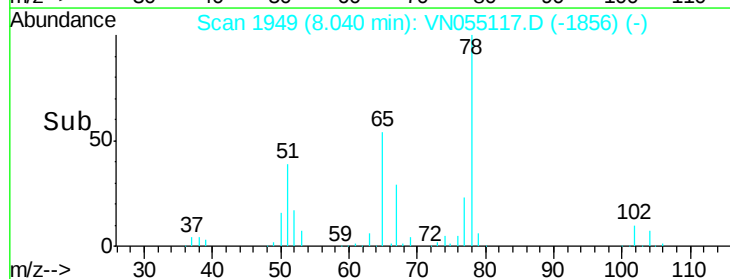
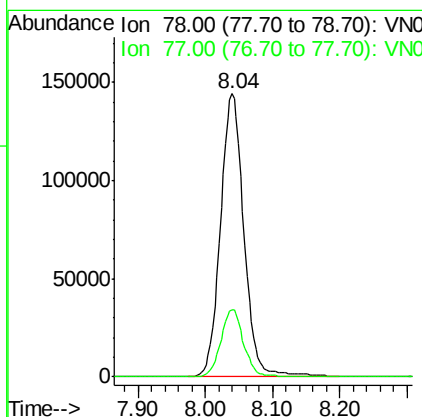
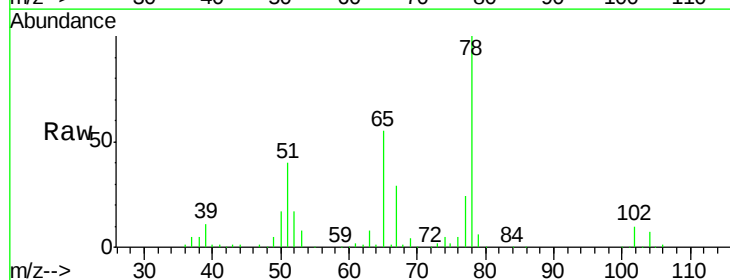
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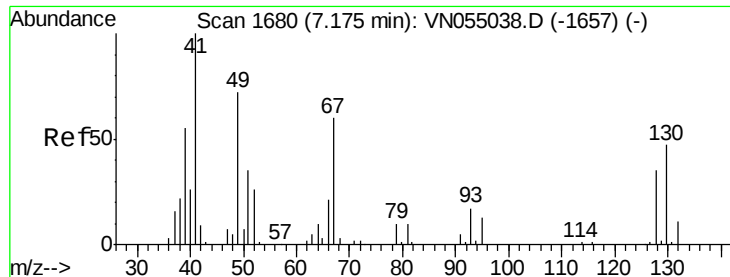
MMDadoda
4/19/2019 5:46:50 PM



#40
Benzene
Concen: 19.801 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion	78	Resp	351166
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.8	28.2





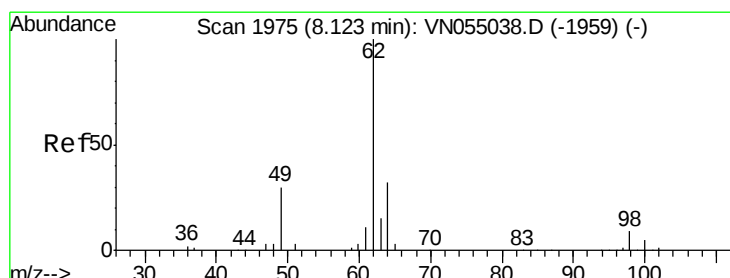
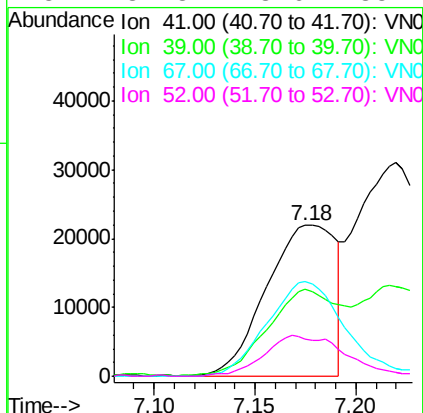
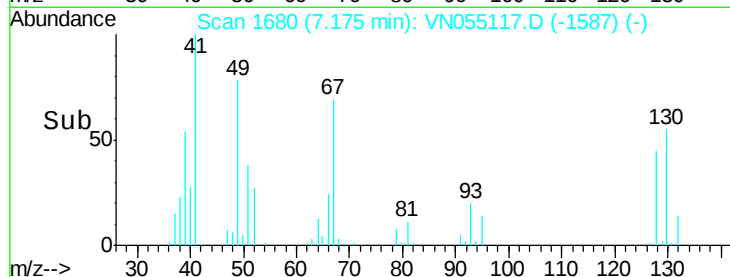
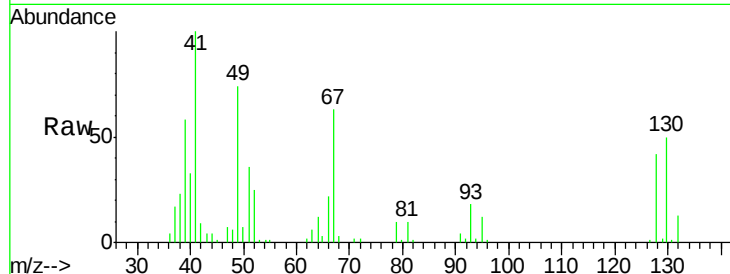
#41
Methacrylonitrile
Concen: 19.585 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBS01

Tot Ion	41	Resp	52082
Ion Ratio	Lower	Upper	
41	100		
39	62.6	45.6	68.4
67	72.0	57.0	85.6
52	31.8	23.6	35.4

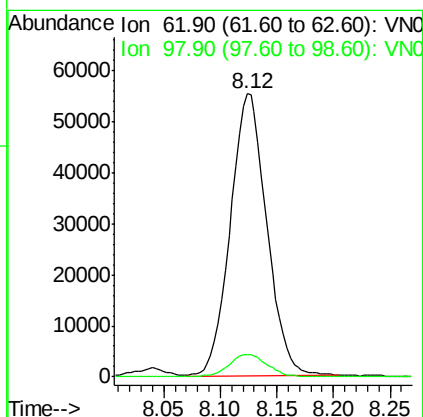
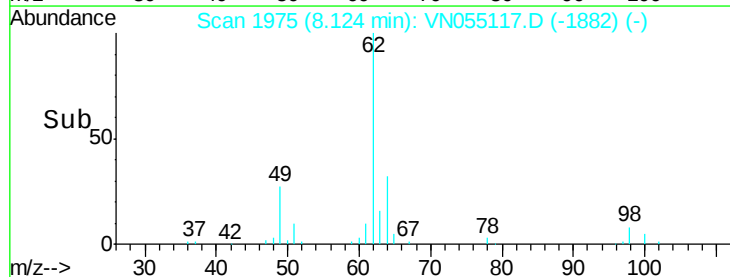
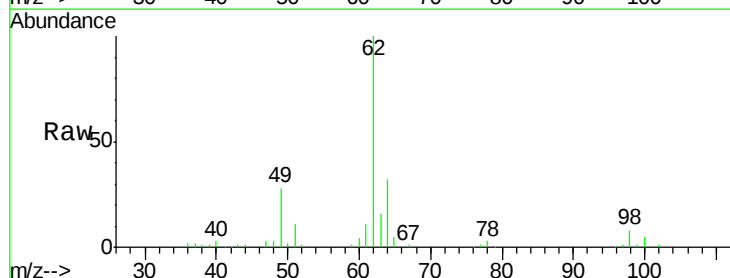
Manual Integrations
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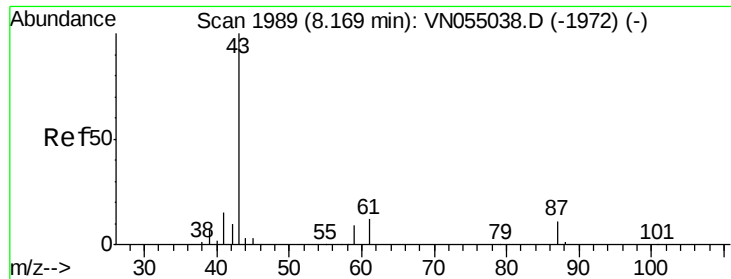
MMDadoda
4/19/2019 5:46:50 PM



#42
1,2-Dichloroethane
Concen: 20.108 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion	62	Resp	123818
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	17.4





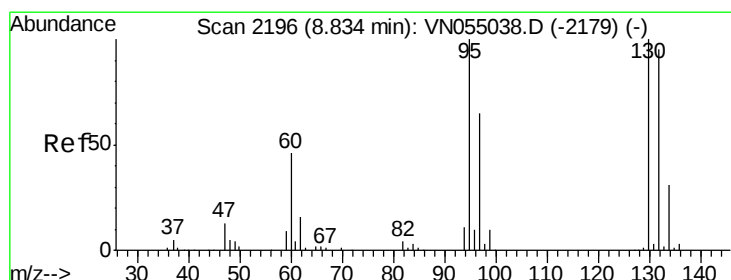
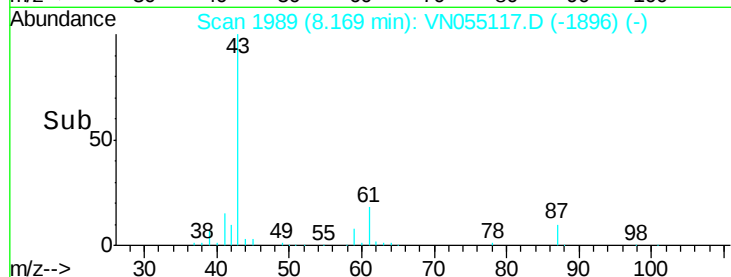
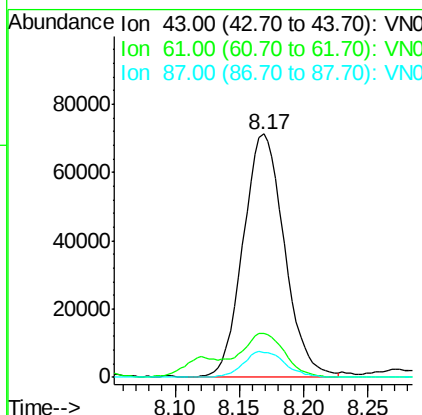
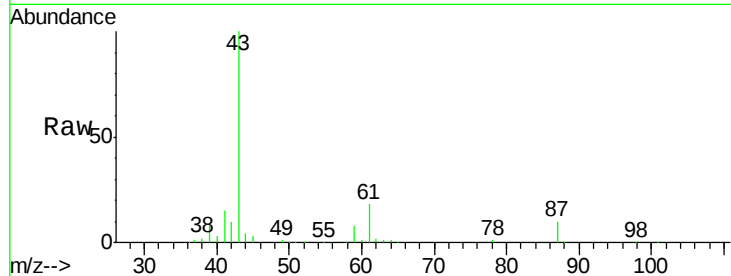
#43
Isopropyl Acetate
Concen: 21.377 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.3	21.5
87	11.0	8.6	13.0

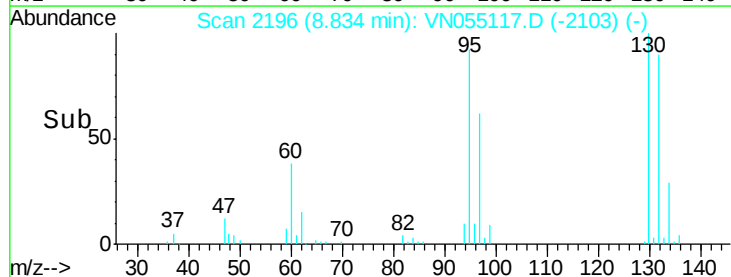
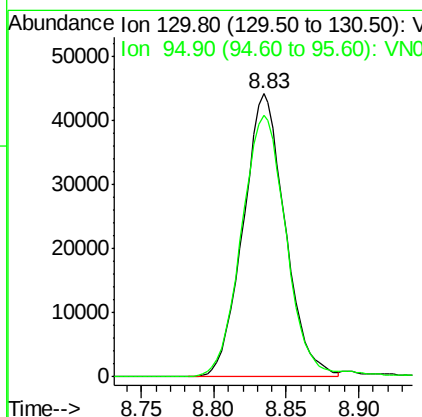
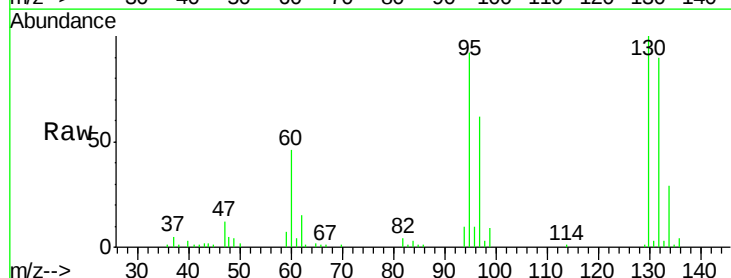
Manual Integrations
APPROVED

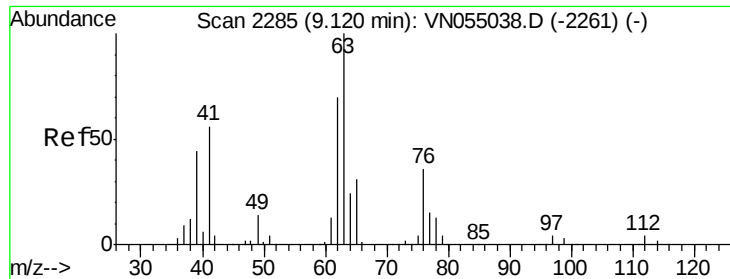
MMDadoda
4/19/2019 5:46:50 PM



#44
Trichloroethene
Concen: 20.023 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	201.6





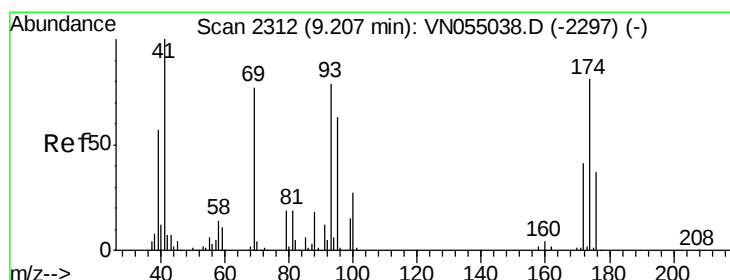
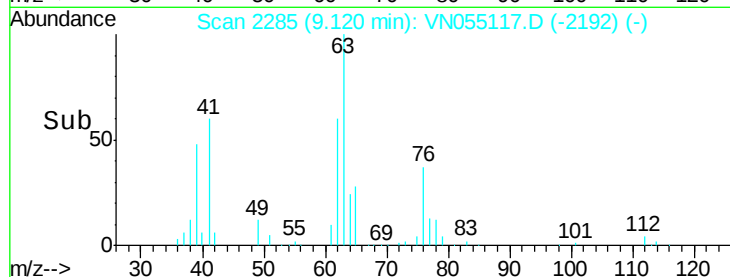
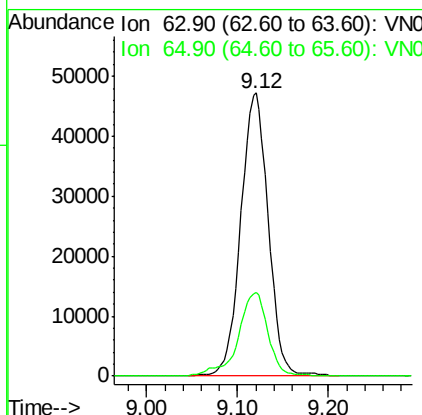
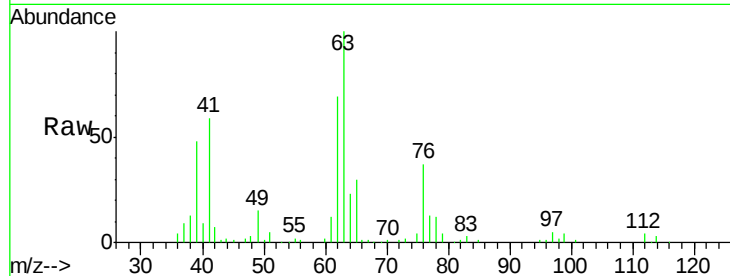
#45
 1,2-Dichloropropane
 Concen: 20.072 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Tot Ion: 63 Resp: 99275
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.4 36.6

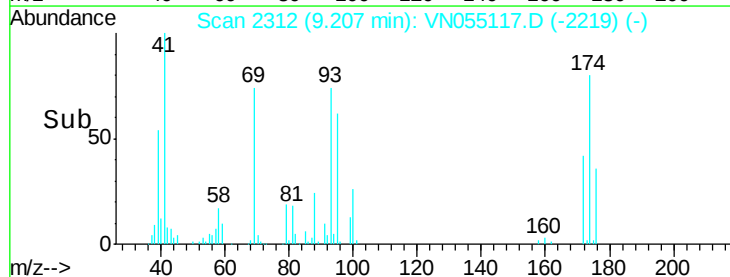
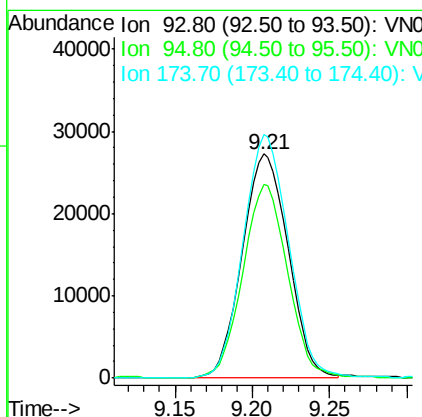
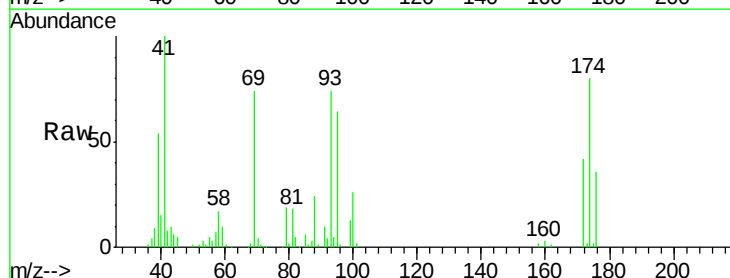
Manual Integrations
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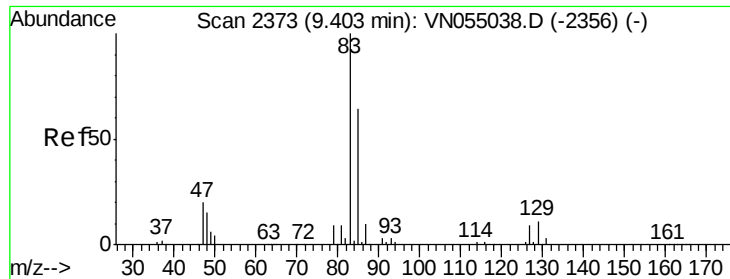
MMDadoda
 4/19/2019 5:46:50 PM



#46
 Dibromomethane
 Concen: 20.058 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion: 93 Resp: 56470
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.0 97.6
 174 107.7 81.0 121.6





#47

Bromodichloromethane

Concen: 19.732 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

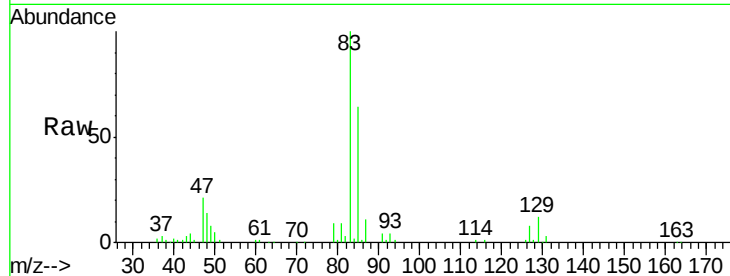
ClientSampleId :

VN0418WBS01

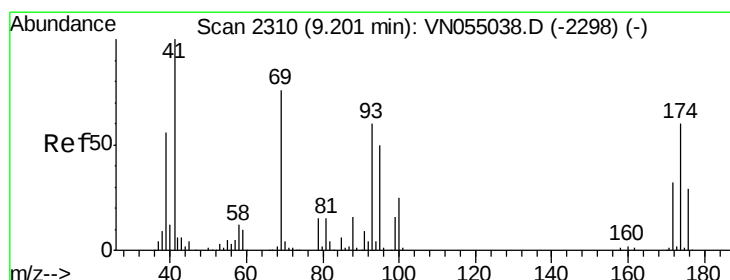
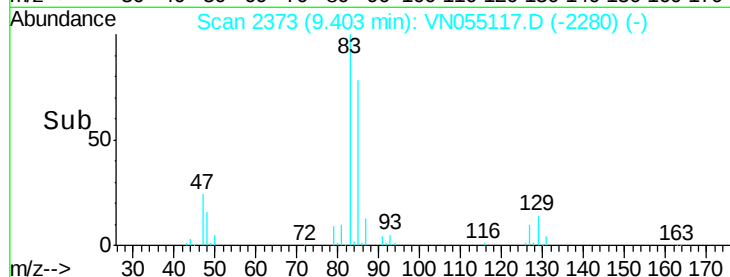
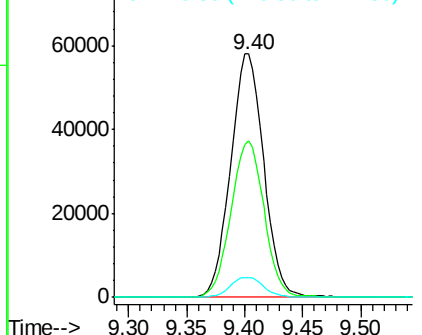
Tot Ion:	83	Resp:	114532
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.2	76.8
127	8.2	6.8	10.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055117.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.141 ug/l

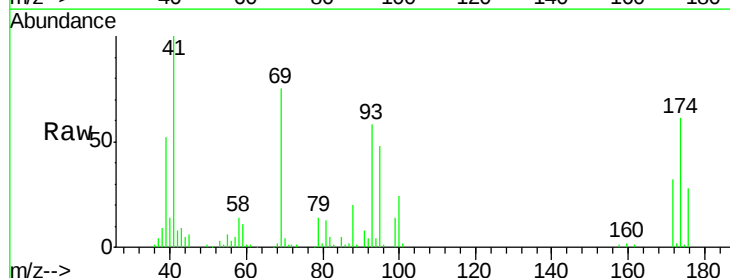
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

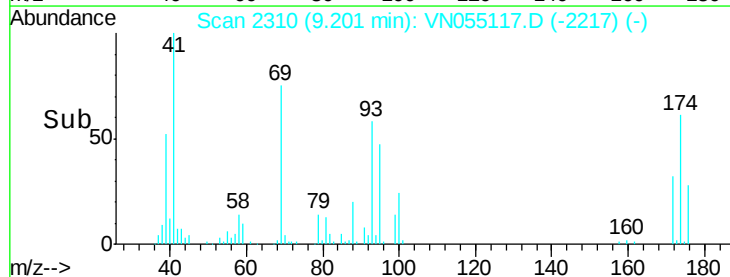
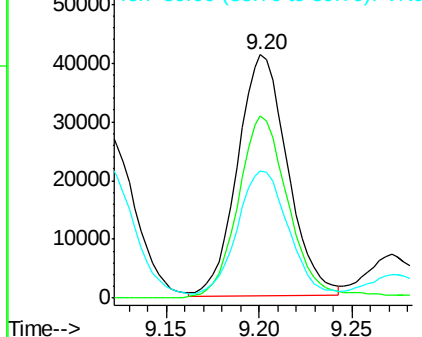
Lab File: VN055117.D

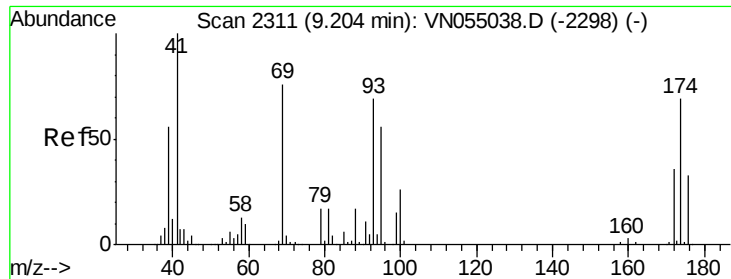
Acq: 18 Apr 2019 11:13

Tgt Ion:	41	Resp:	77351
Ion Ratio	Lower	Upper	
41	100		
69	76.0	60.5	90.7
39	53.7	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN055117.D (-2217) (-)





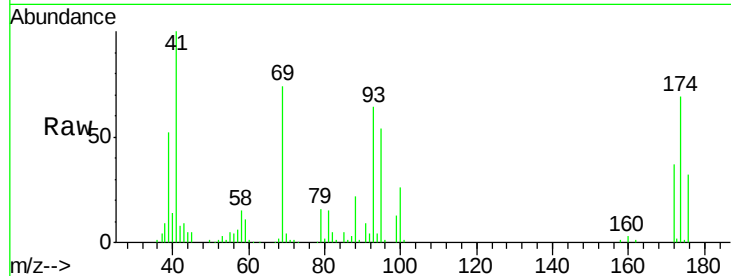
#49
1,4-Dioxane
Concen: 529.250 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	31.8	47.8
58	74.2	61.6	92.4

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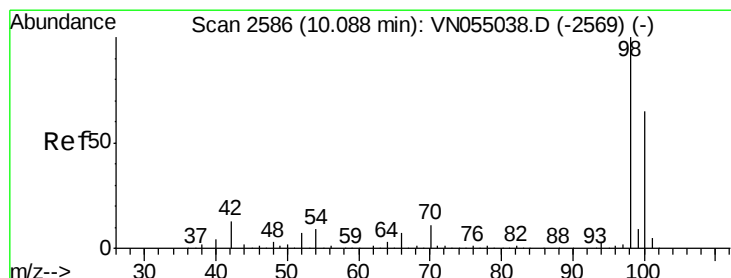
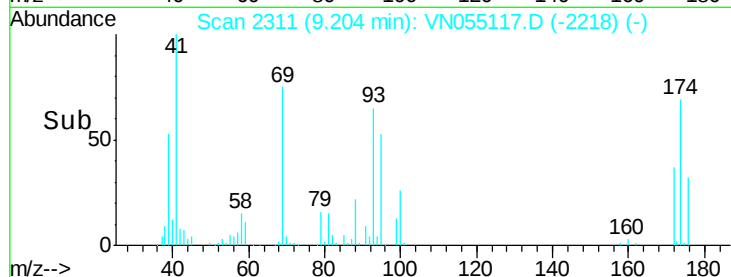
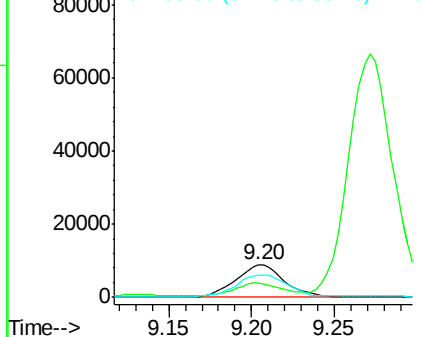
MMDadoda
4/19/2019 5:46:50 PM



Abundance Ion 88.00 (87.70 to 88.70): VN055117.D (-2218) (-)

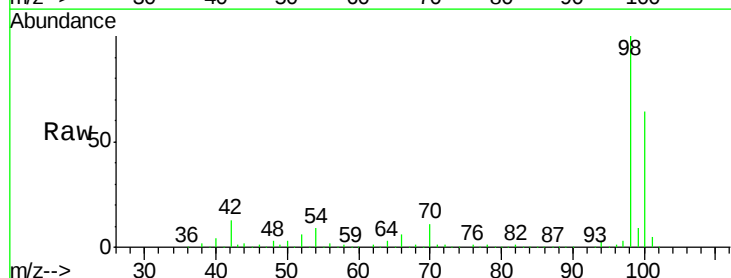
Ion 43.00 (42.70 to 43.70): VN055117.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055117.D (-2218) (-)



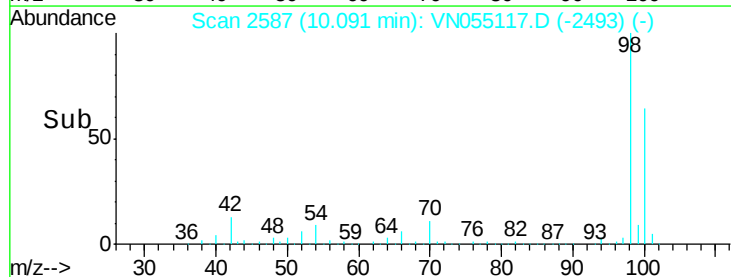
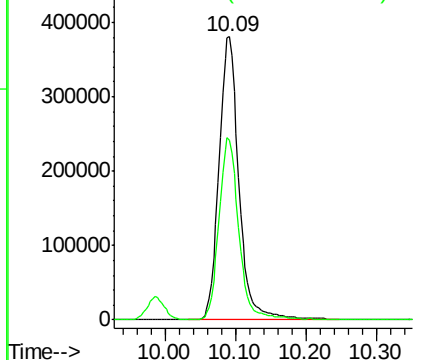
#50
Toluene-d8
Concen: 50.359 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

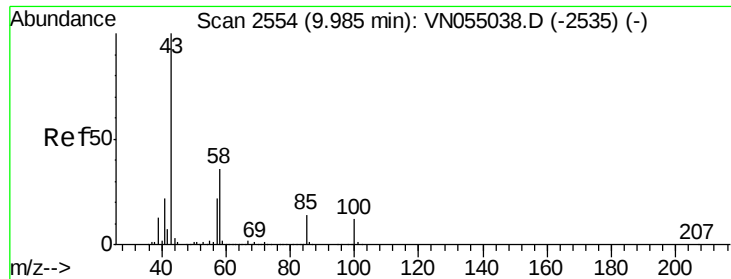
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055117.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN055117.D (-2493) (-)





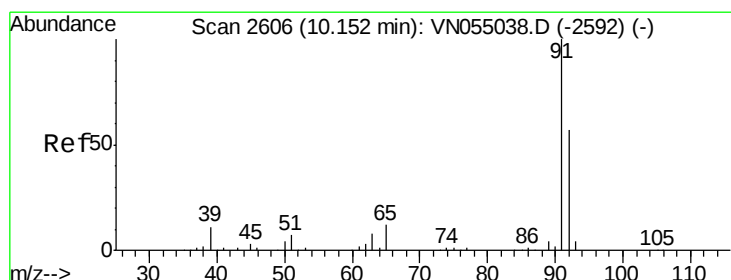
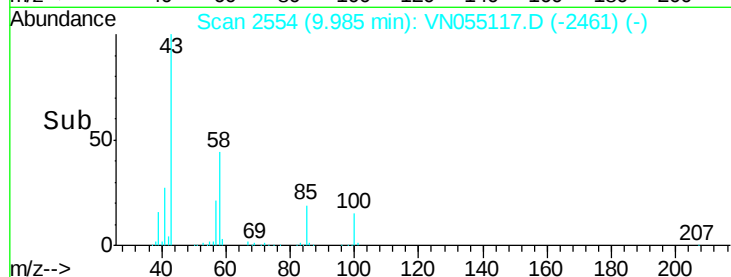
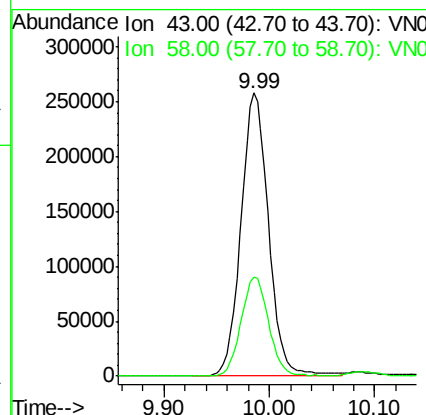
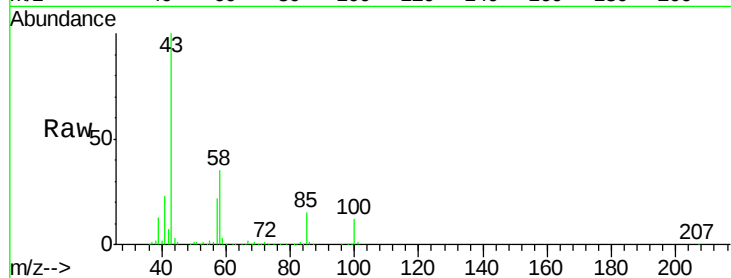
#51
4-Methyl-2-Pentanone
Concen: 109.032 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampled :
VN0418WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.0	43.4

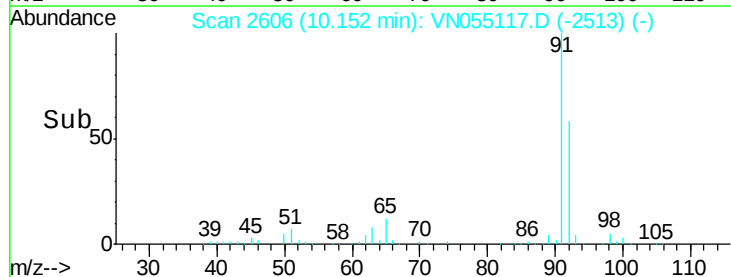
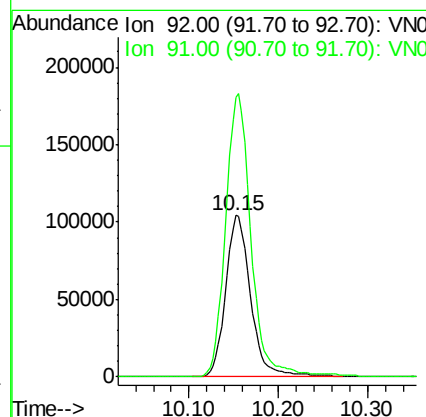
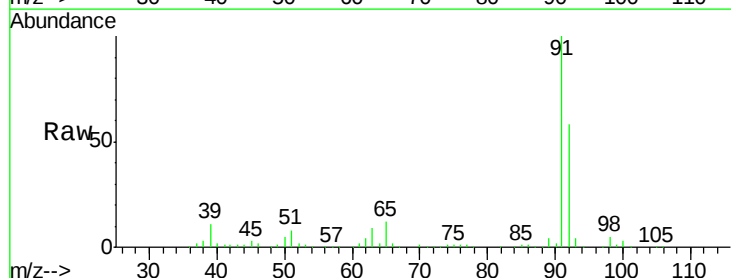
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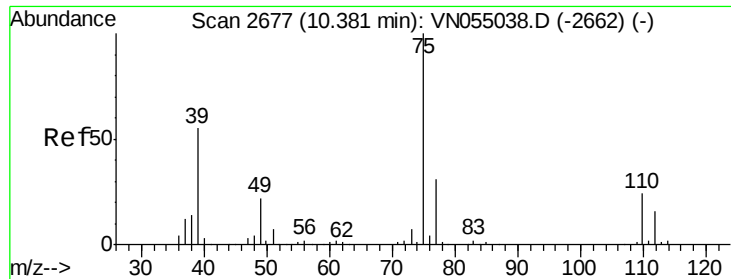
MMDadoda
4/19/2019 5:46:50 PM



#52
Toluene
Concen: 20.043 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	178.4	140.8	211.2





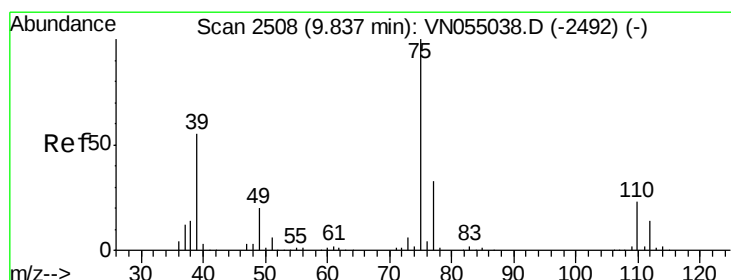
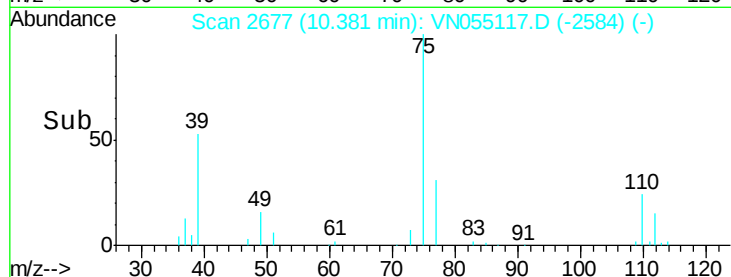
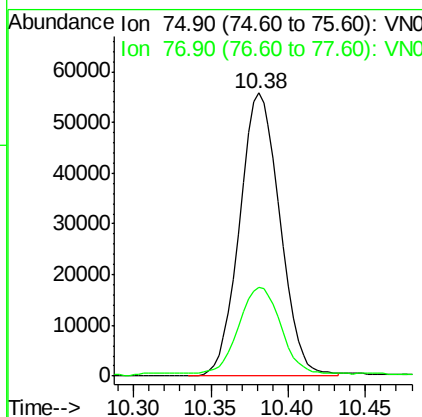
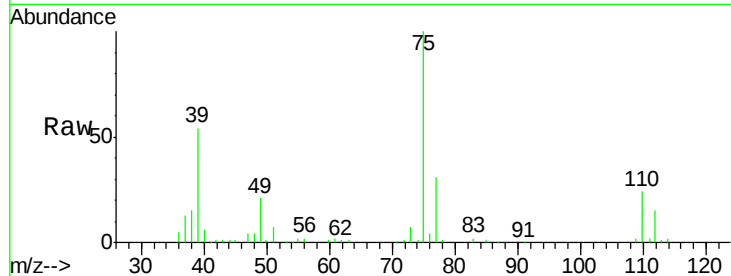
#53
t-1,3-Dichloropropene
Concen: 20.007 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBS01

Tot Ion: 75 Resp: 101483
Ion Ratio Lower Upper
75 100
77 30.3 24.6 37.0

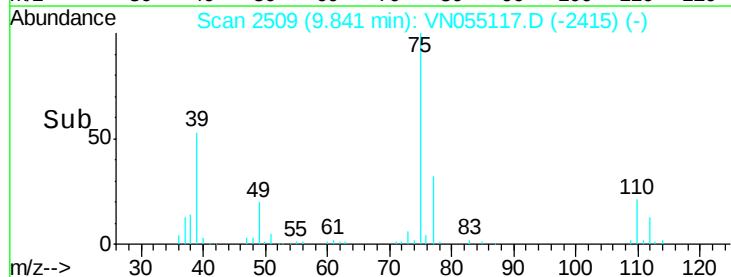
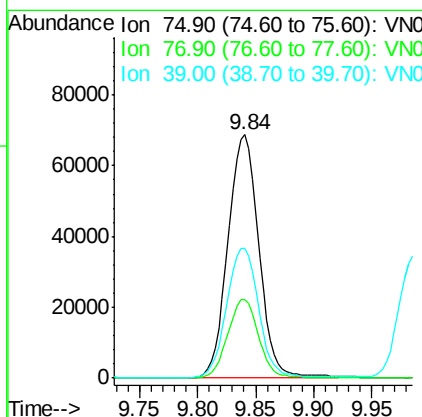
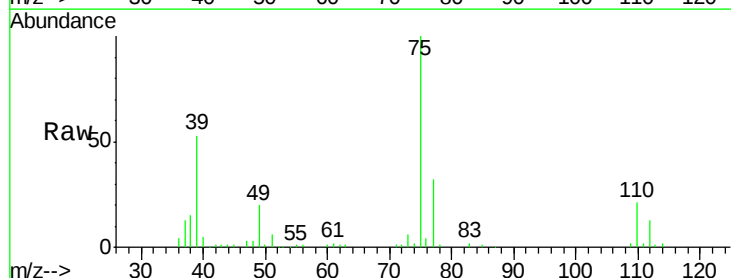
Manual Integrations
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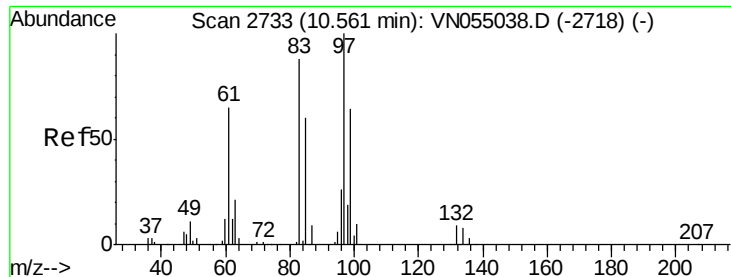
MMDadoda
4/19/2019 5:46:50 PM



#54
cis-1,3-Dichloropropene
Concen: 20.260 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion: 75 Resp: 127547
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.6
39 52.9 43.8 65.8





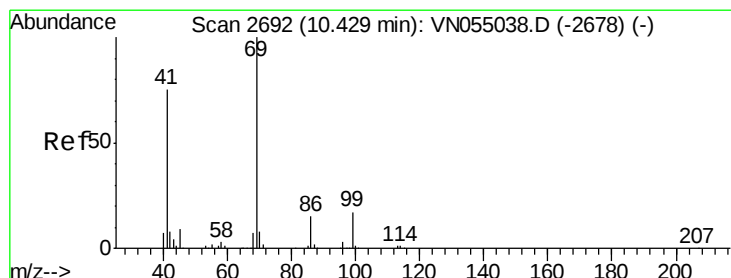
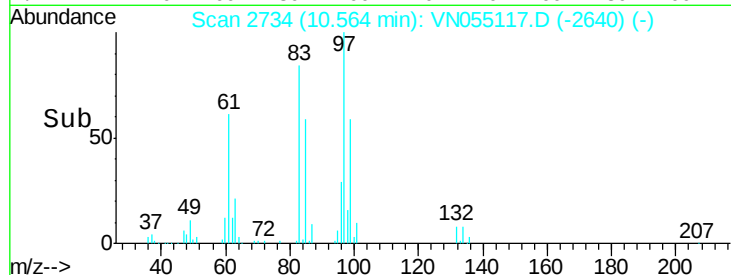
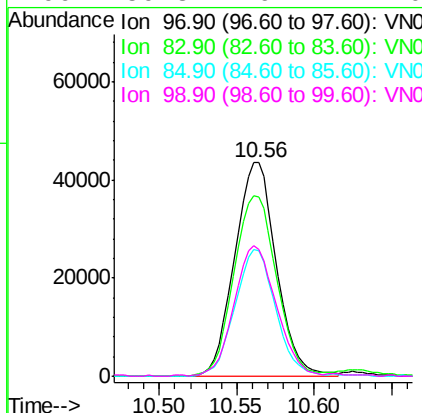
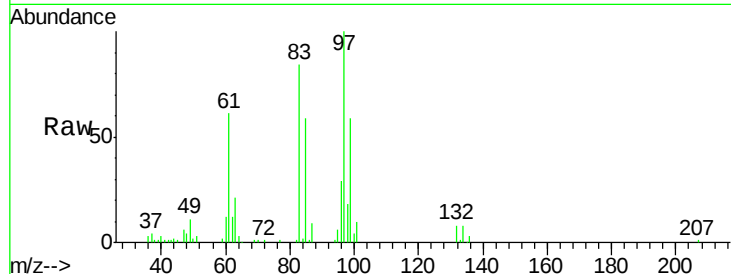
#55
 1,1,2-Trichloroethane
 Concen: 20.867 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Tot Ion:	97	Resp:	81665
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.5	105.7
85	58.5	45.5	68.3
99	59.3	49.4	74.0

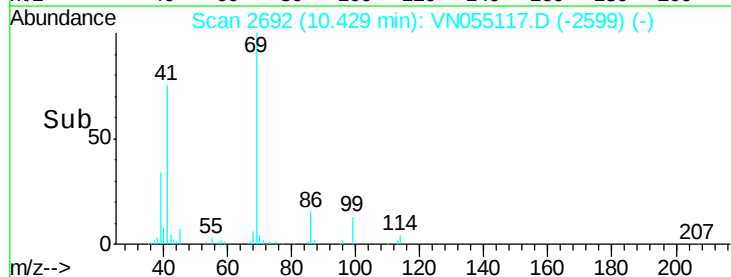
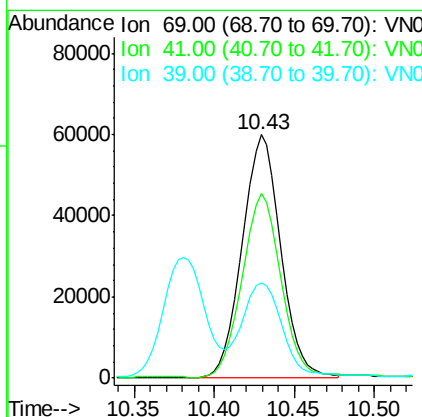
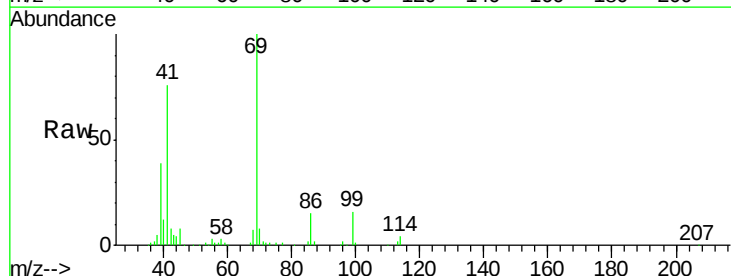
Manual Integrations
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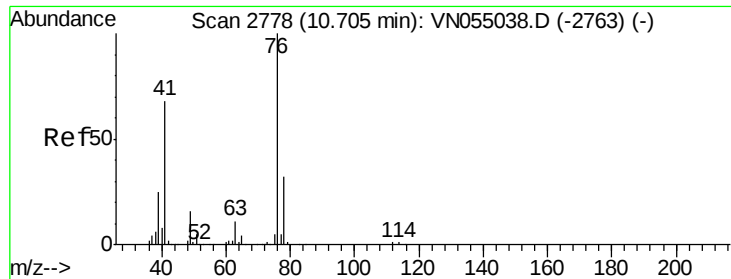
MMDadoda
 4/19/2019 5:46:50 PM



#56
 Ethyl methacrylate
 Concen: 21.050 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion:	69	Resp:	98865
Ion	Ratio	Lower	Upper
69	100		
41	75.7	61.4	92.0
39	39.4	30.8	46.2





#57

1,3-Dichloropropane

Concen: 20.524 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBS01

Tot Ion: 76 Resp: 136751

Ion Ratio Lower Upper

76 100

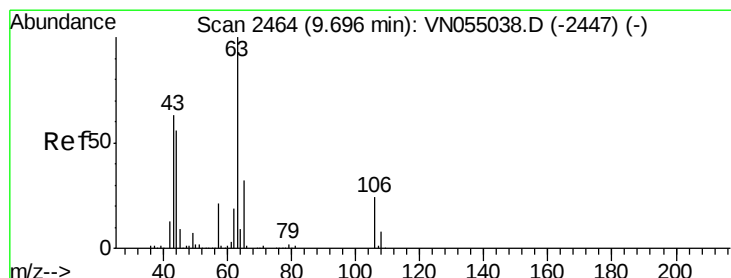
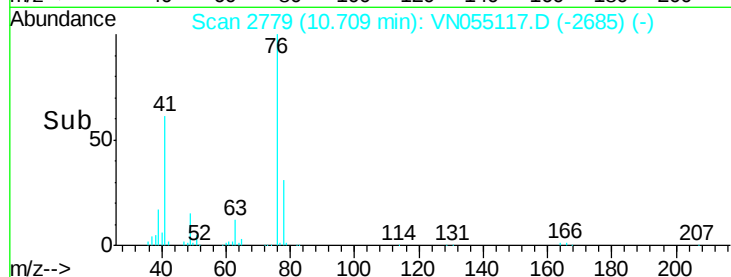
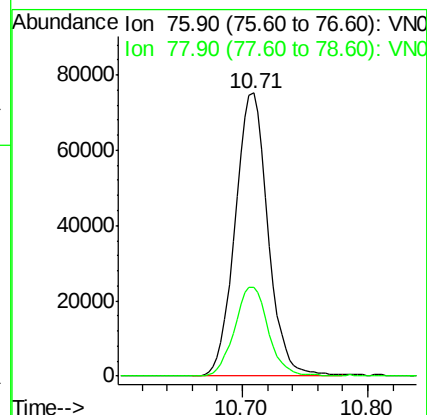
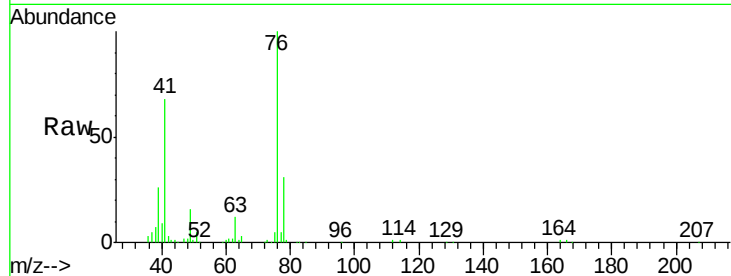
78 32.5 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

4/19/2019 5:46:50 PM



#58

2-Chloroethyl Vinyl ether

Concen: 95.808 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055117.D

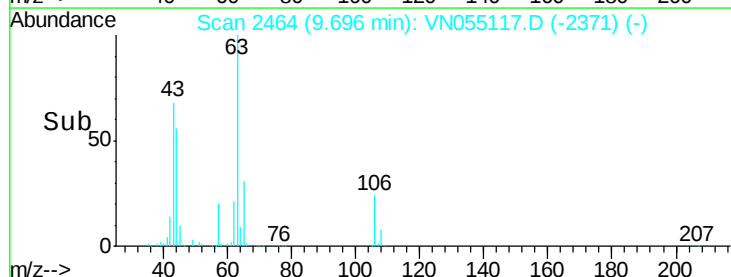
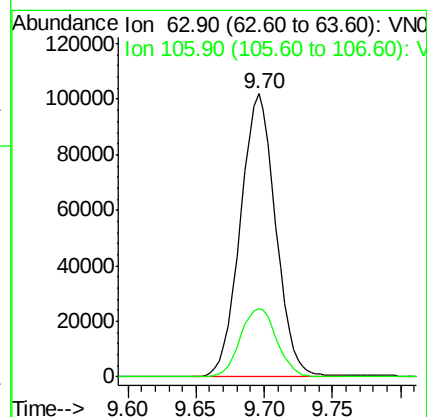
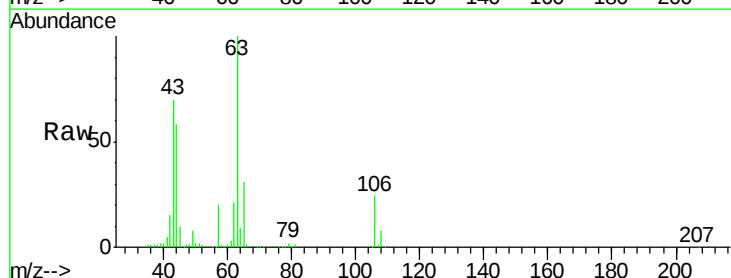
Acq: 18 Apr 2019 11:13

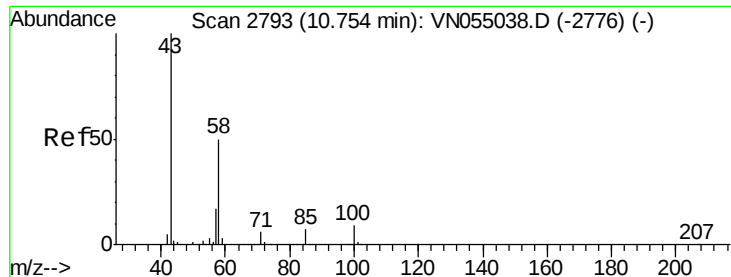
Tgt Ion: 63 Resp: 183367

Ion Ratio Lower Upper

63 100

106 25.1 20.0 30.0





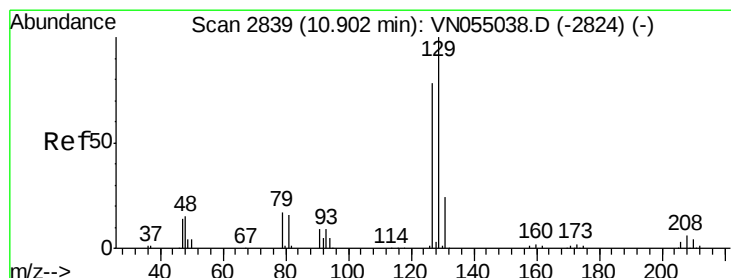
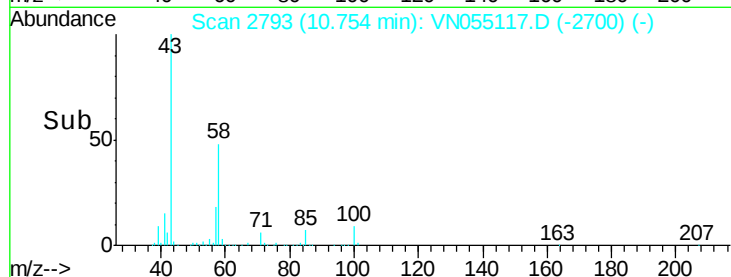
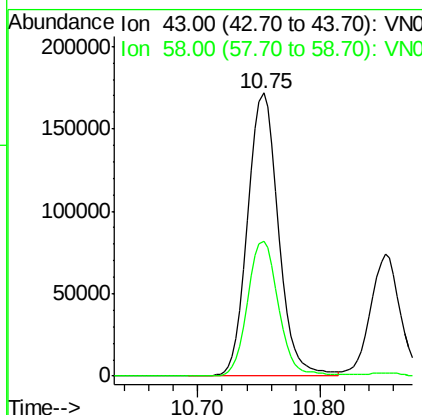
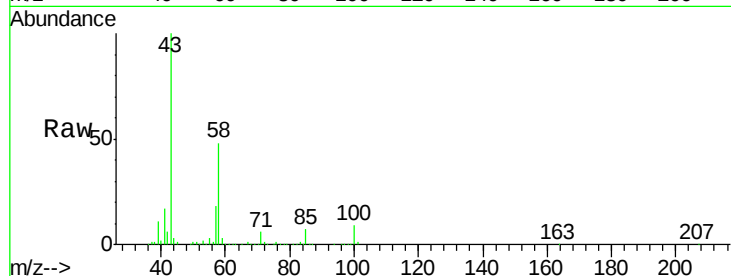
#59
2-Hexanone
Concen: 110.749 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBS01

Tot Ion	43	Resp	296649
Ion Ratio	43	100	
Lower	58	48.0	25.1
Upper			75.2

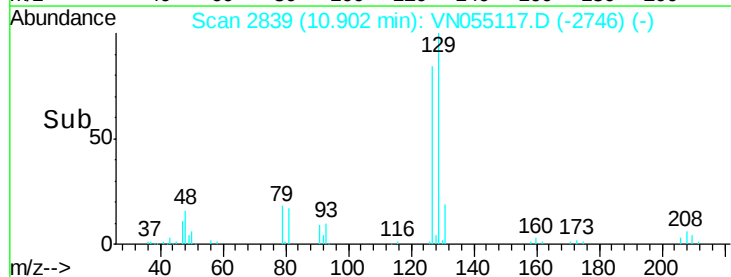
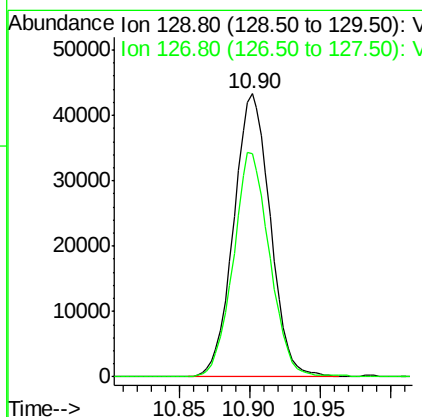
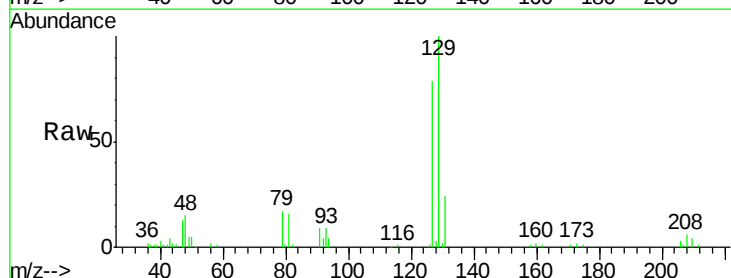
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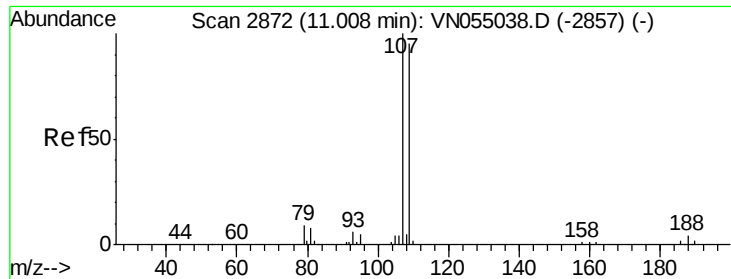
MMDadoda
4/19/2019 5:46:50 PM



#60
Dibromochloromethane
Concen: 20.629 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion	129	Resp	78832
Ion Ratio	129	100	
Lower	127	78.8	38.2
Upper			114.6





#61

1,2-Dibromoethane

Concen: 20.537 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBS01

Tot Ion: 107 Resp: 73975

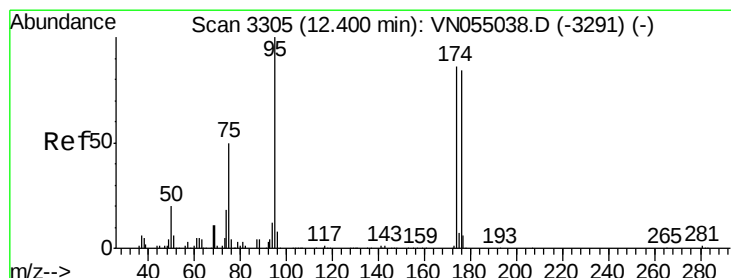
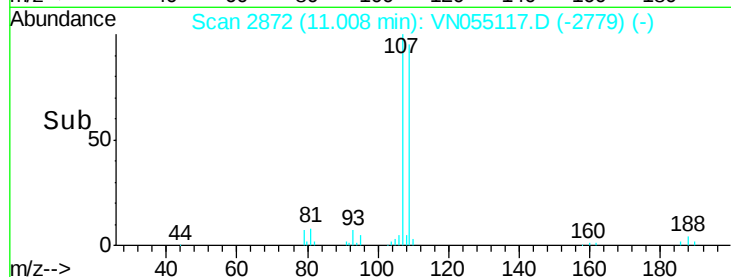
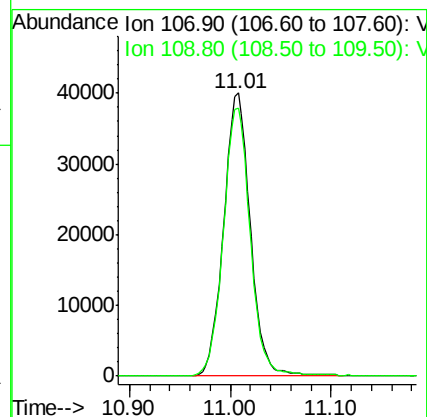
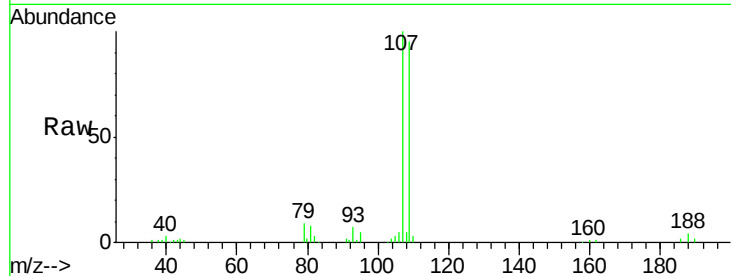
Ion Ratio Lower Upper

107 100

109 95.5 76.5 114.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 52.162 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

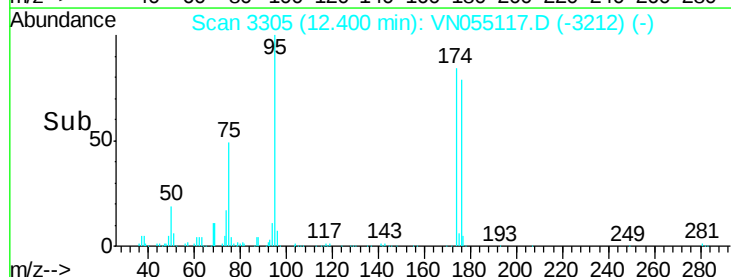
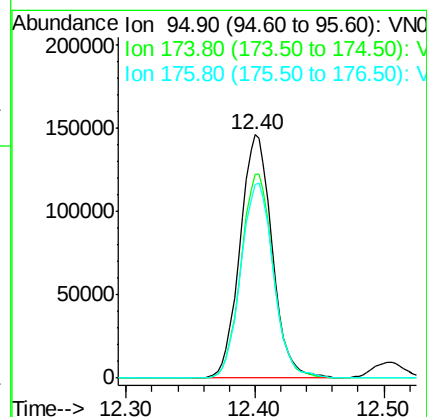
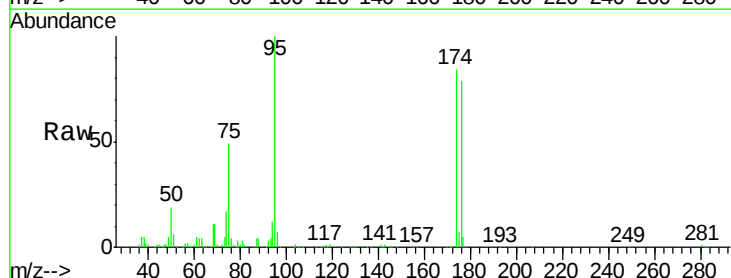
Tgt Ion: 95 Resp: 253197

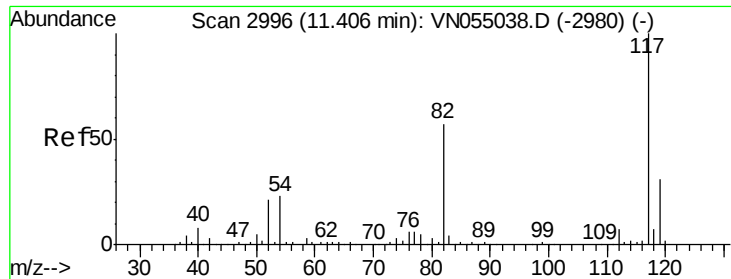
Ion Ratio Lower Upper

95 100

174 84.7 0.0 174.4

176 81.8 0.0 166.8





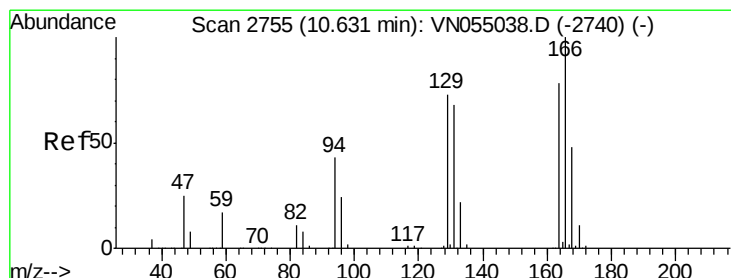
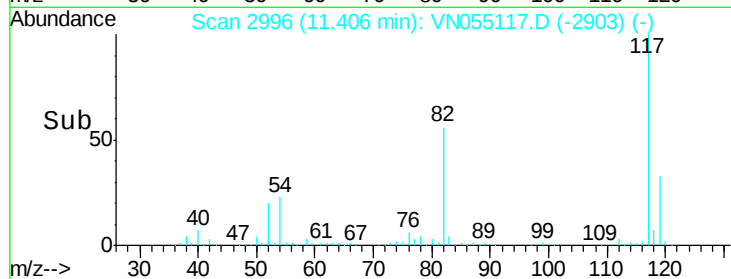
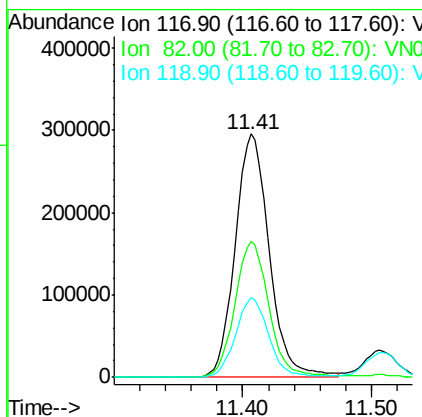
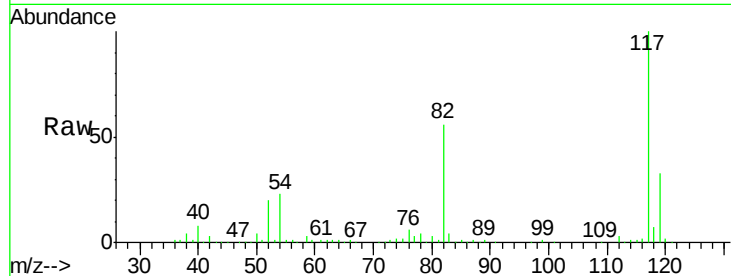
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	32.7	25.5	38.3

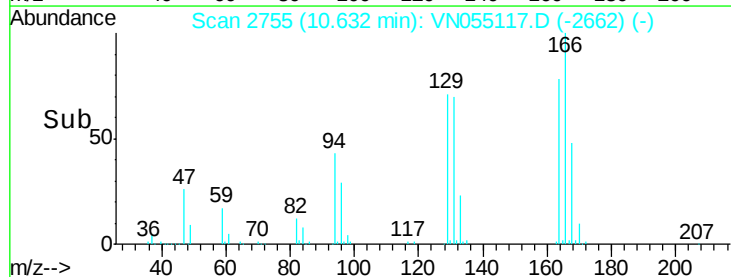
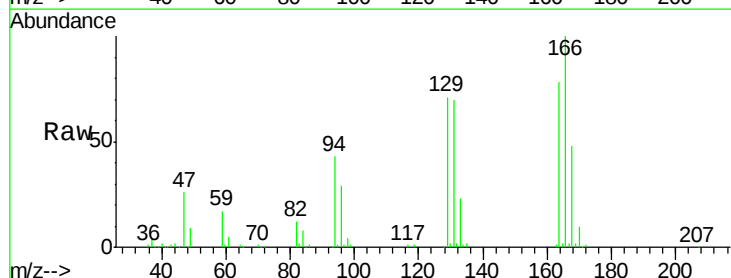
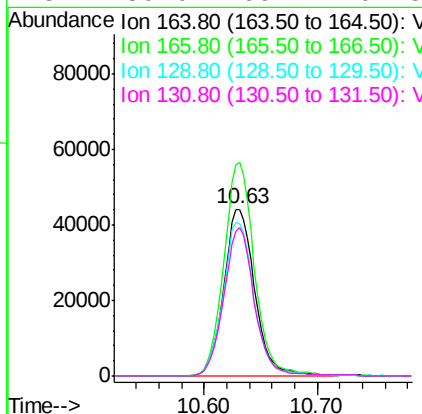
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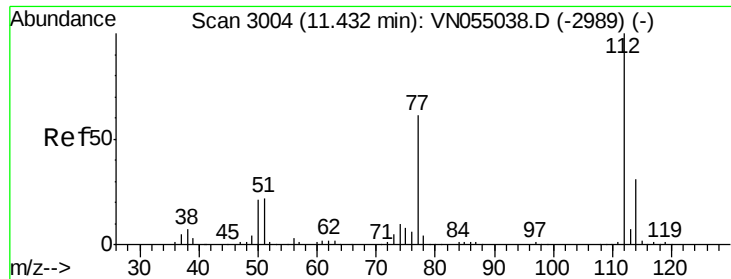
MMDadoda
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#64
Tetrachloroethene
Concen: 19.125 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.0	150.0
129	91.4	72.0	108.0
131	89.0	69.7	104.5





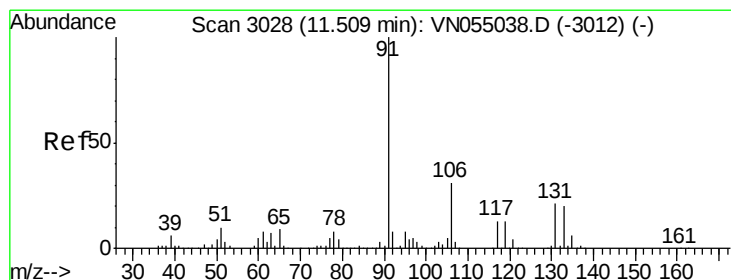
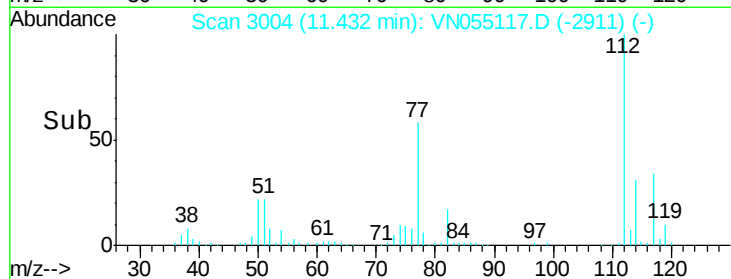
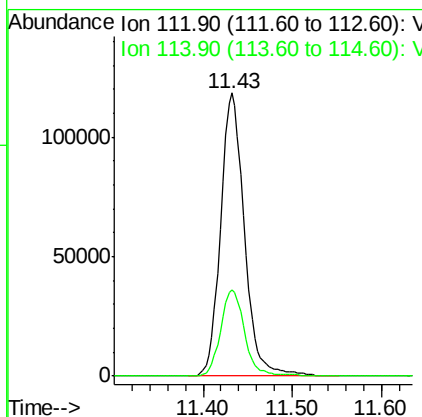
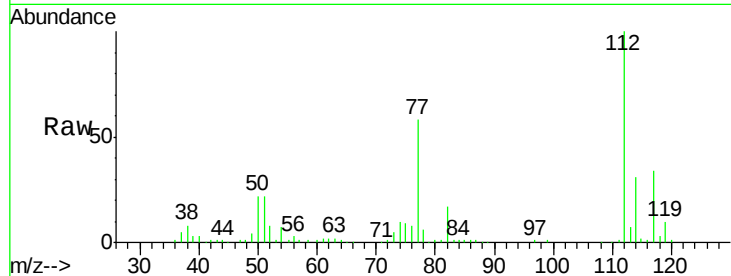
#65
Chlorobenzene
Concen: 20.039 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampled :
VN0418WBS01

Tot Ion:112 Resp: 218836
Ion Ratio Lower Upper
112 100
114 30.6 25.3 37.9

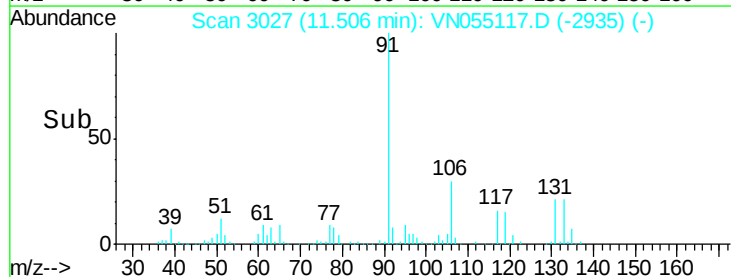
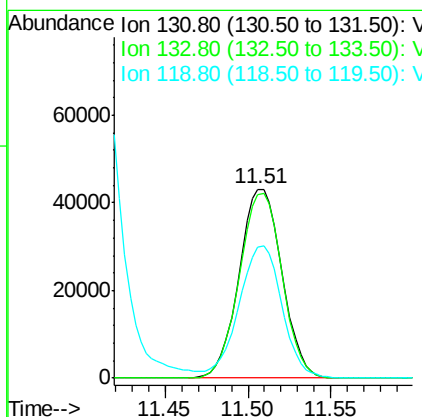
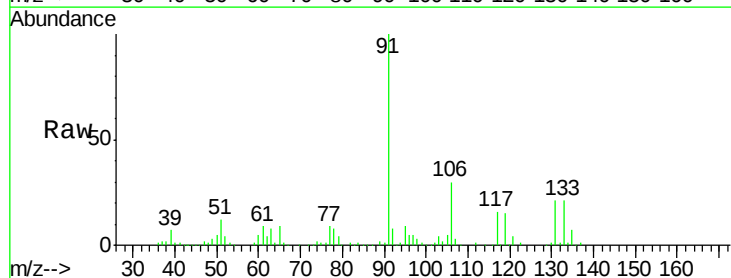
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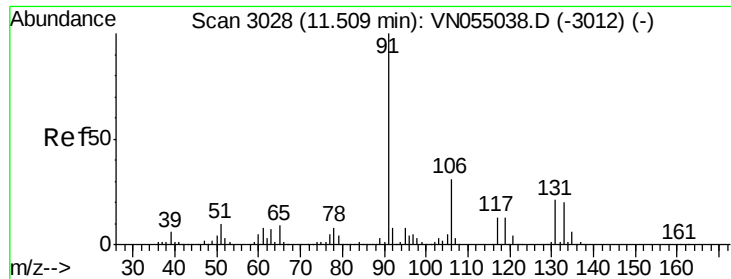
MMDadoda
4/19/2019 5:46:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.254 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion:131 Resp: 77334
Ion Ratio Lower Upper
131 100
133 97.8 47.8 143.3
119 71.0 33.6 100.6





#67

Ethyl Benzene

Concen: 19.546 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampled :

VN0418WBS01

Tot Ion: 91 Resp: 381180

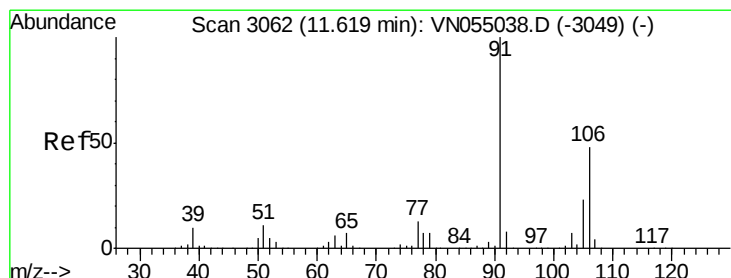
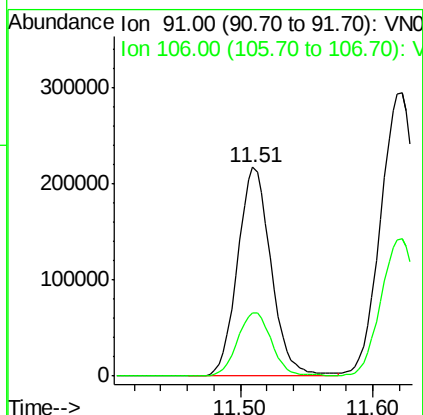
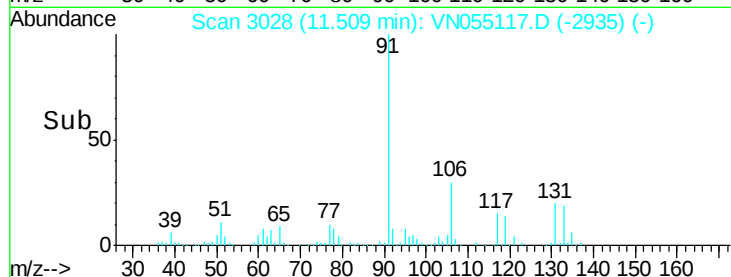
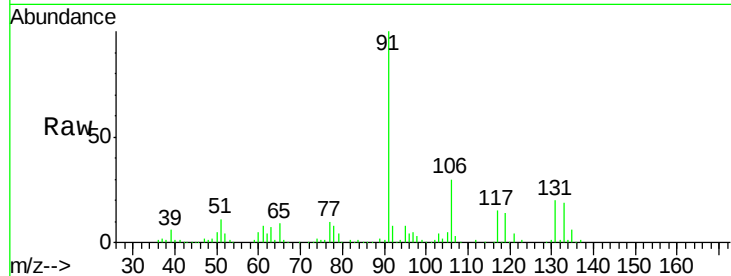
Ion Ratio Lower Upper

91 100

106 30.3 24.3 36.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.254 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055117.D

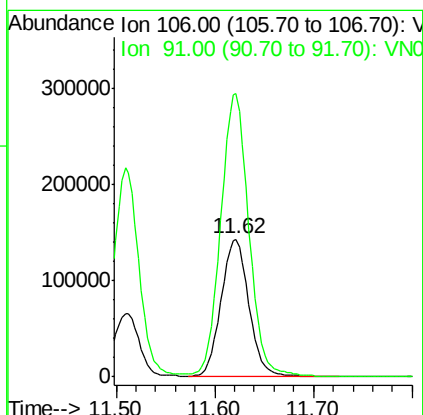
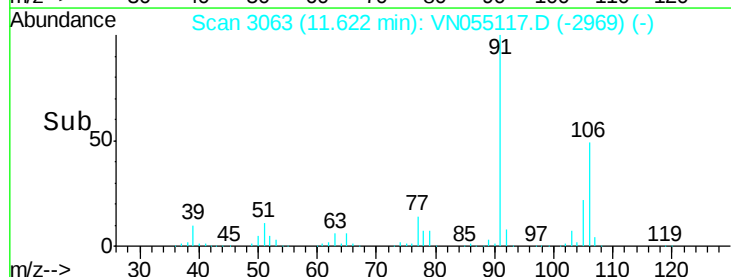
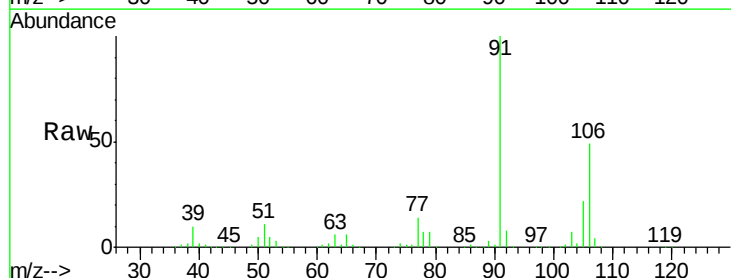
Acq: 18 Apr 2019 11:13

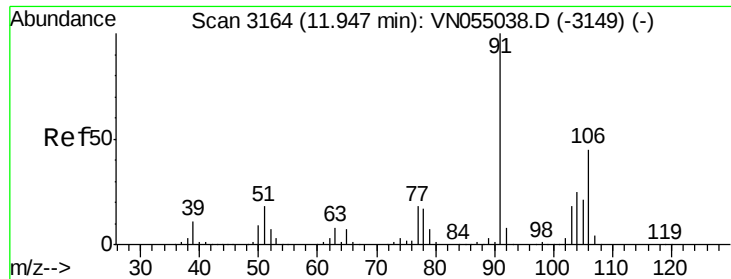
Tgt Ion: 106 Resp: 284273

Ion Ratio Lower Upper

106 100

91 206.7 165.9 248.9





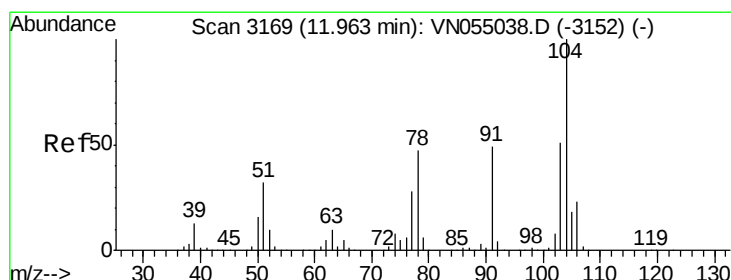
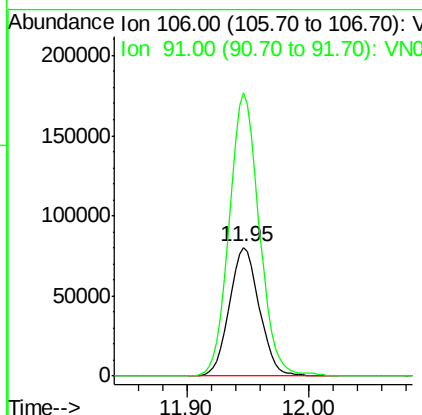
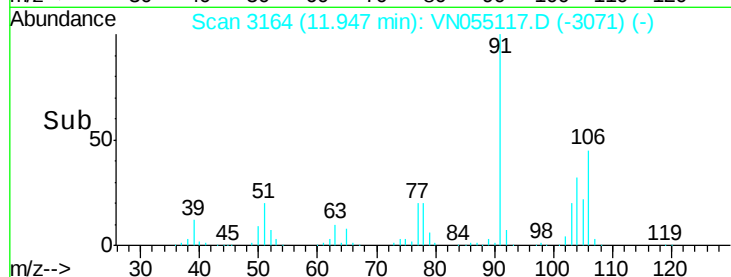
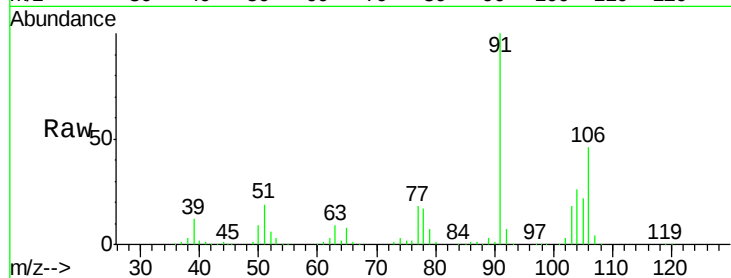
#69
o-Xylene
Concen: 20.231 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBS01

Tot Ion:106 Resp: 138378
Ion Ratio Lower Upper
106 100
91 219.6 109.9 329.8

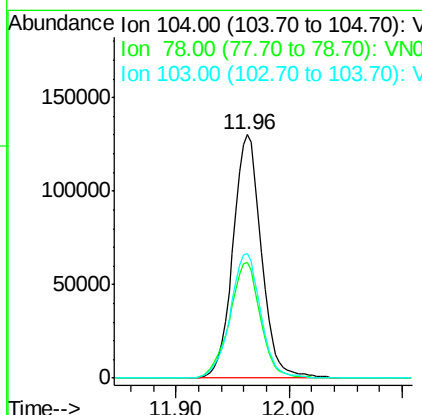
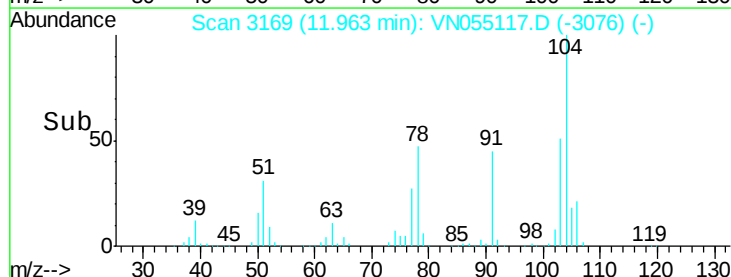
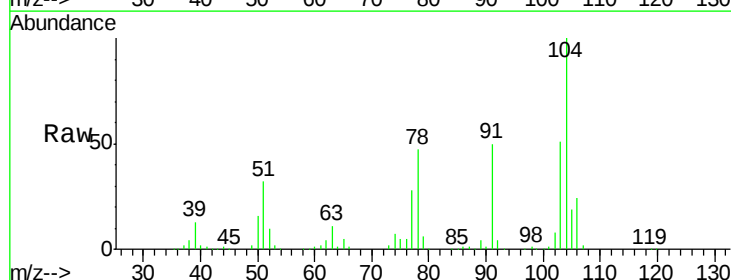
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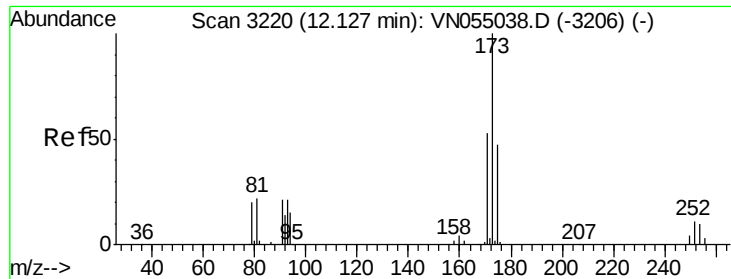
MMDadoda
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#70
Styrene
Concen: 20.614 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion:104 Resp: 228230
Ion Ratio Lower Upper
104 100
78 51.9 40.3 60.5
103 55.0 44.3 66.5





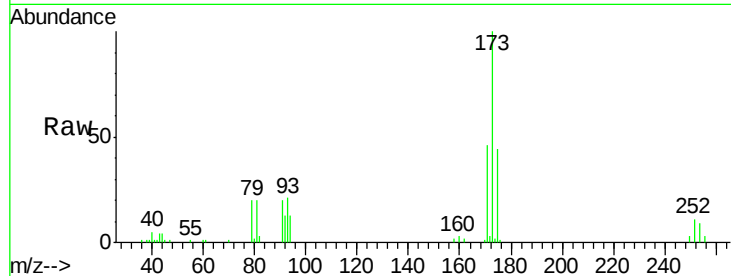
#71
Bromoform
Concen: 21.242 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0418WBS01

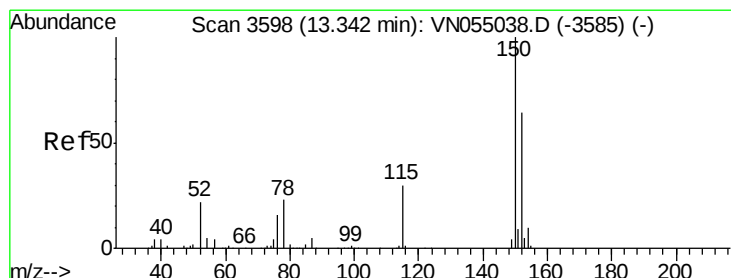
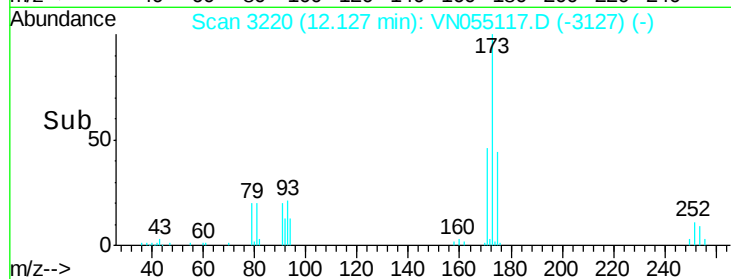
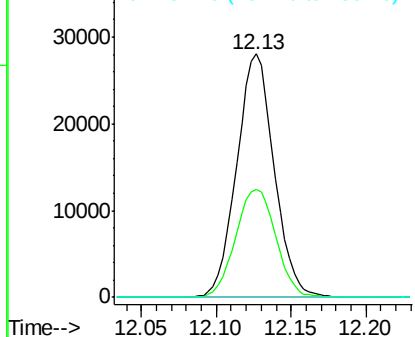
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.3	73.0
254	0.0	0.1	0.1#

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4/19/2019 5:46:50 PM

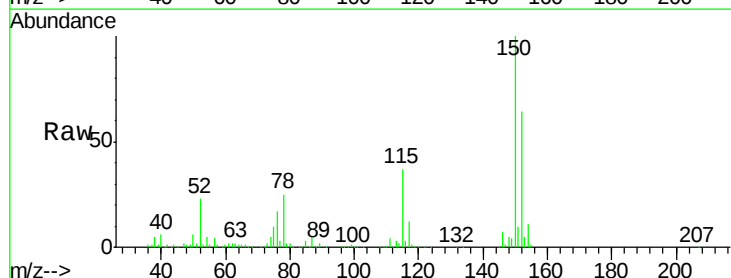


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

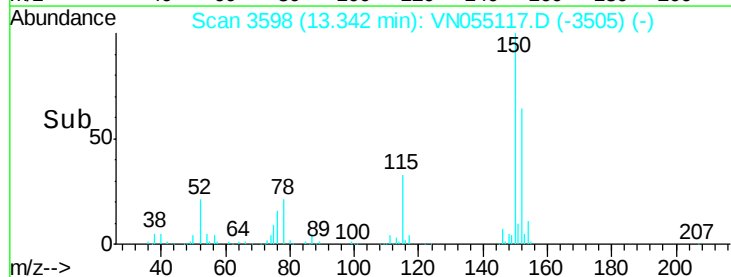
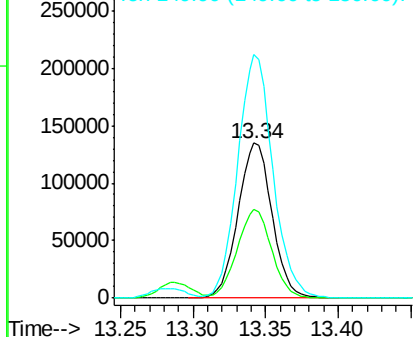


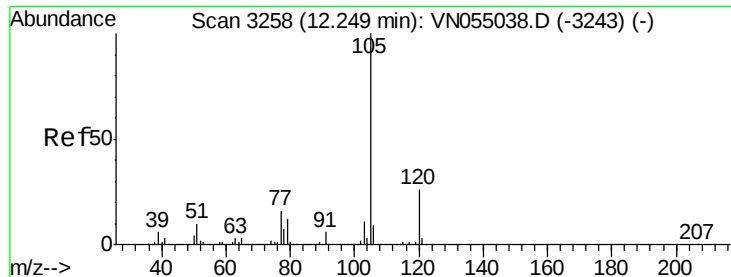
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.5	85.6
150	162.9	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.137 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampled :

VN0418WBS01

Tot Ion:105 Resp: 373273

Ion Ratio Lower Upper

105 100

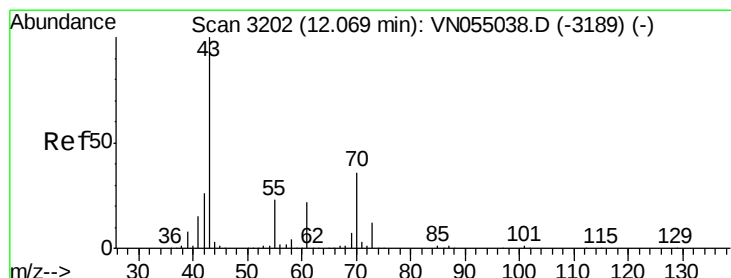
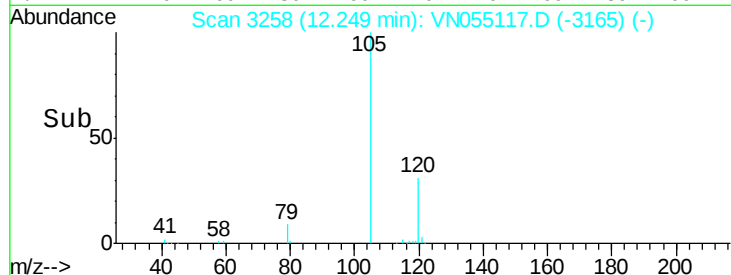
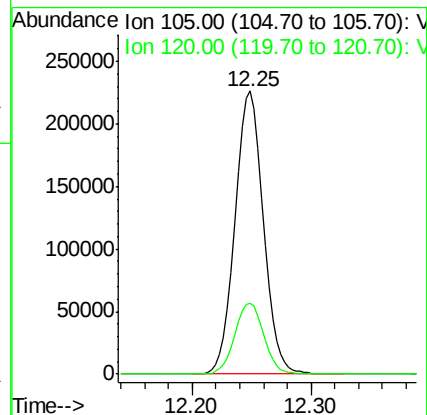
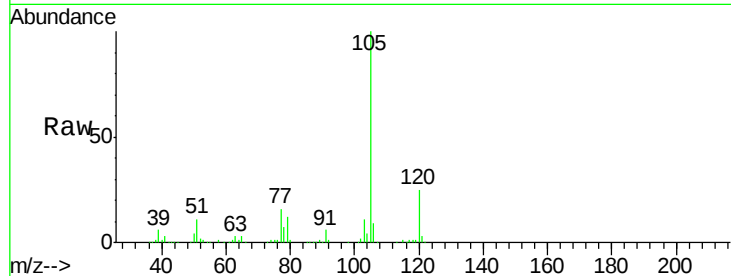
120 25.8 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.173 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Tgt Ion: 43 Resp: 116255

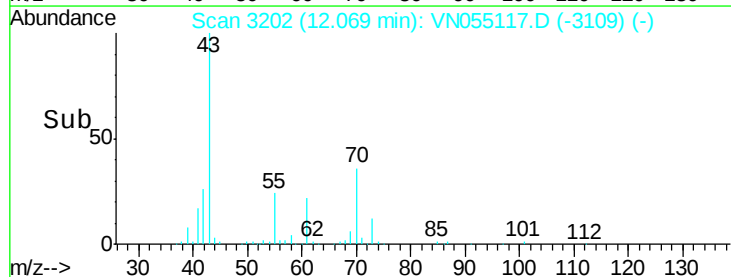
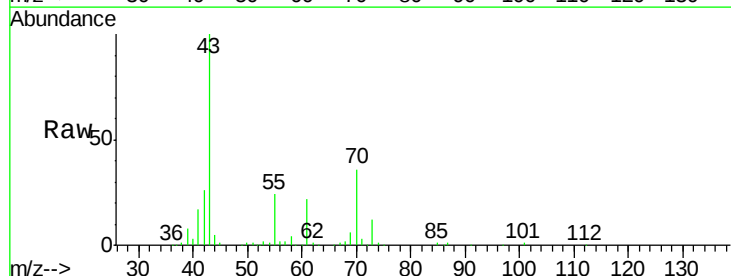
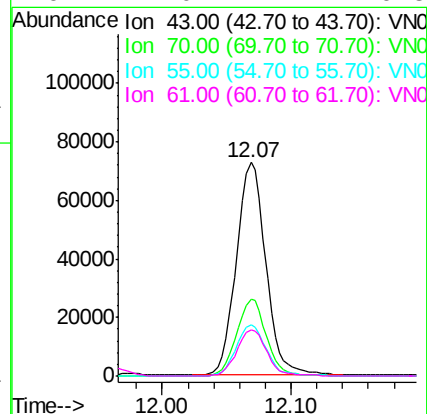
Ion Ratio Lower Upper

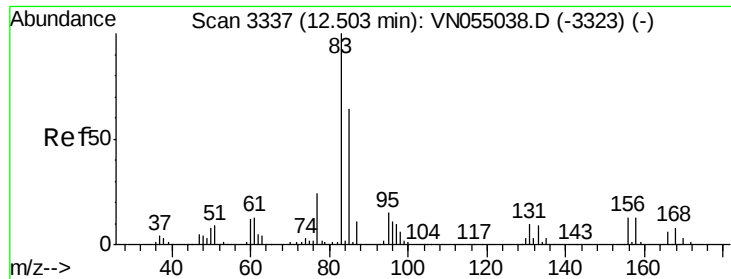
43 100

70 36.3 29.4 44.0

55 24.3 19.0 28.4

61 22.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.381 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

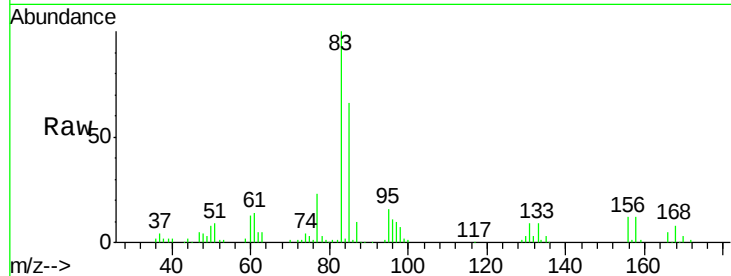
ClientSampleId :

VN0418WBS01

Tot Ion:	83	Resp:	101157
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	65.4	32.3	96.9

Manual Integrations
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MMDadoda
4/19/2019 5:46:50 PM

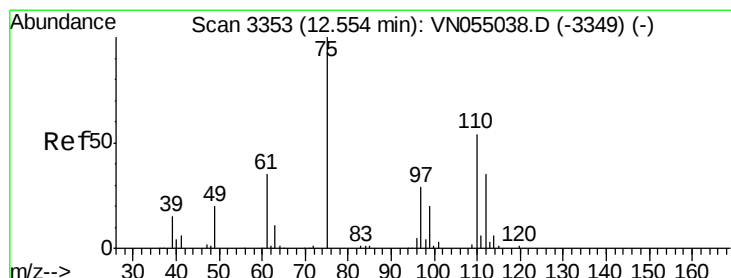
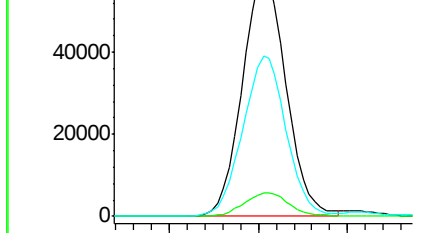
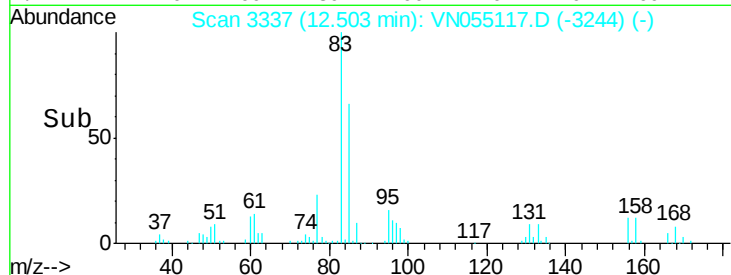


Abundance Ion 82.90 (82.60 to 83.60): VN055117.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN055117.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN055117.D (-3337) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.380 ug/l m

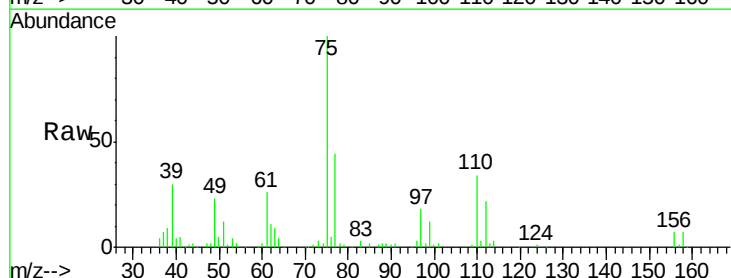
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

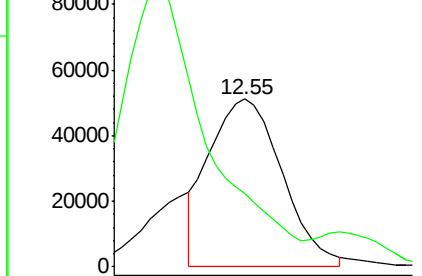
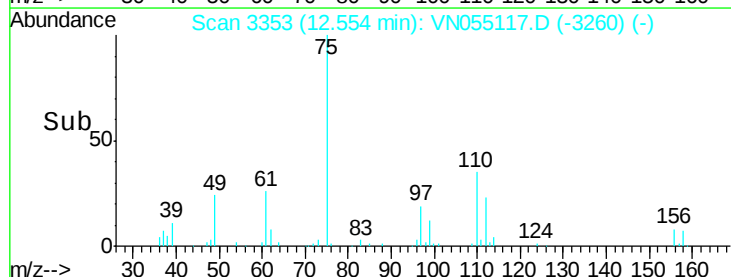
Tgt Ion:	75	Resp:	88462
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

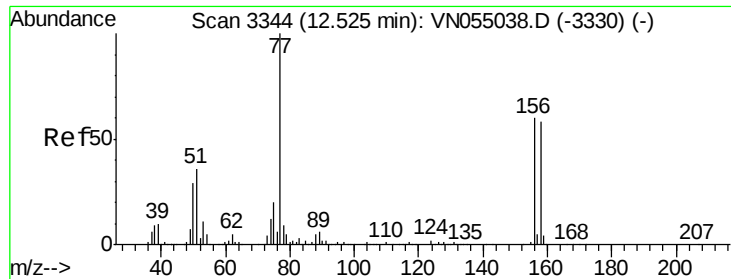


Abundance Ion 74.90 (74.60 to 75.60): VN055117.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055117.D (-3353) (-)

Time-->





#77

Bromobenzene

Concen: 18.534 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

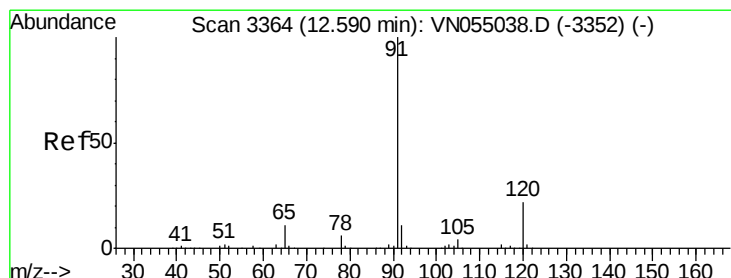
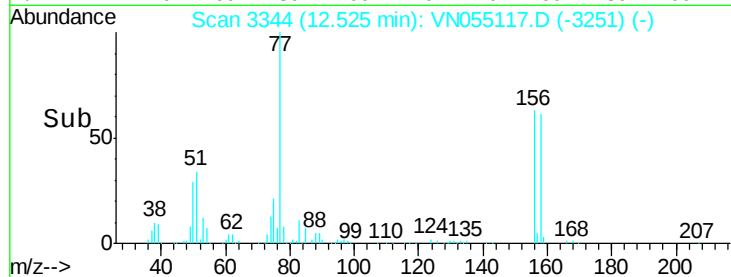
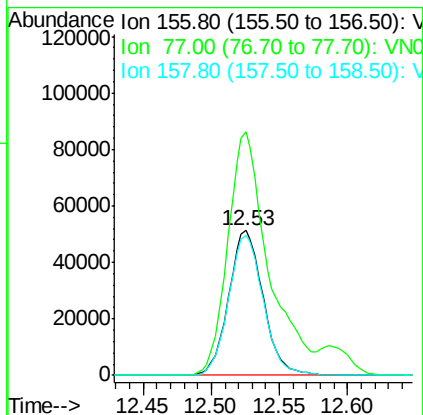
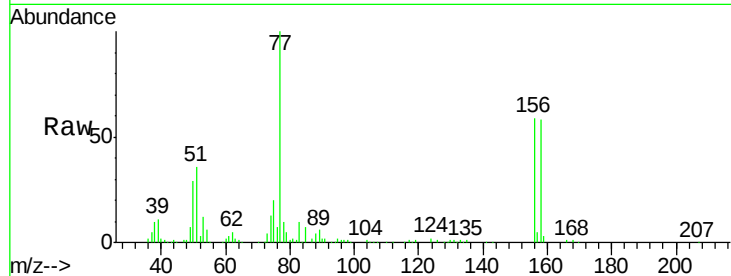
ClientSampleId :

VN0418WBS01

Tot Ion:	156	Resp:	90126
Ion Ratio	Lower	Upper	
156	100		
77	197.3	97.2	291.5
158	96.9	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.166 ug/l

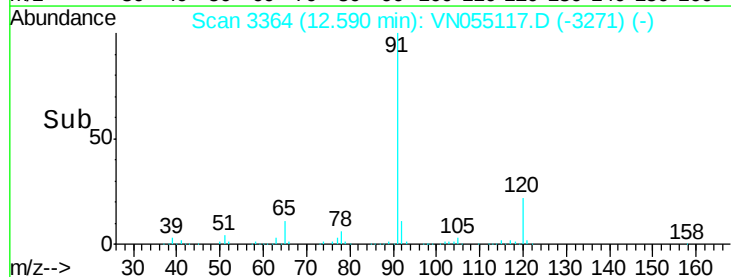
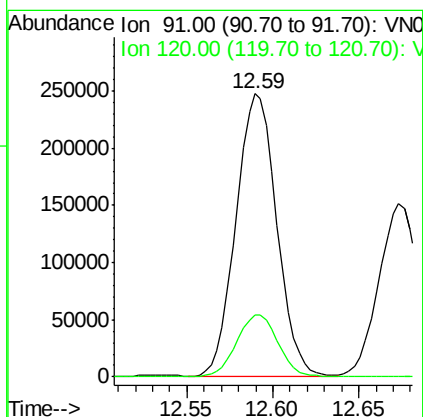
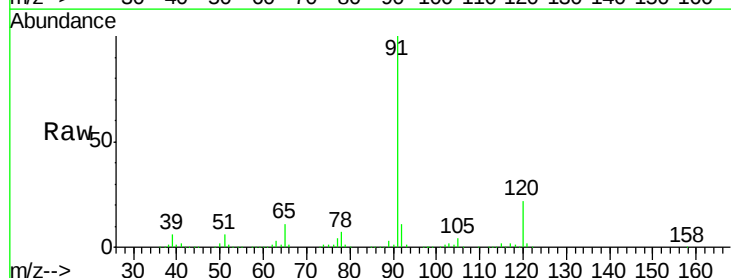
RT: 12.59 min Scan# 3364

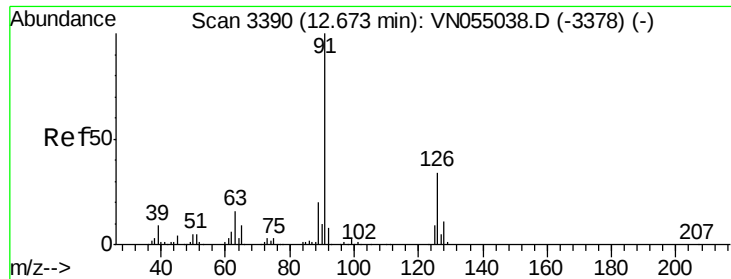
Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Tgt Ion:	91	Resp:	403909
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.228 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0418WBS01

Tot Ion: 91 Resp: 252742

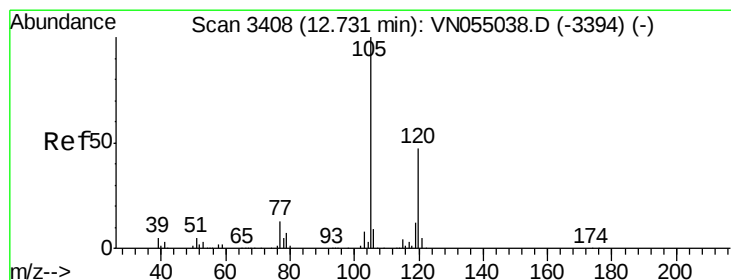
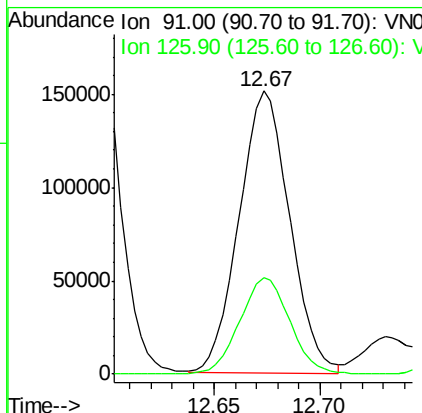
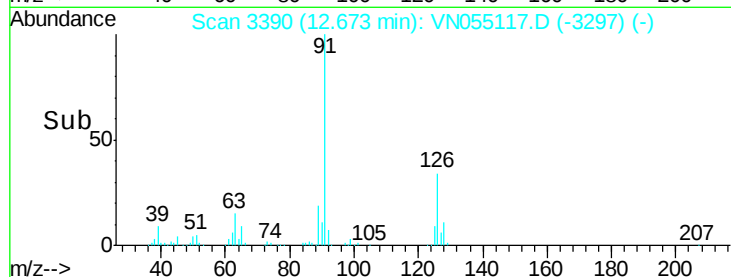
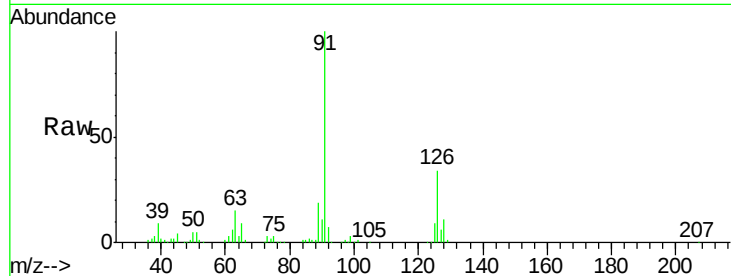
Ion Ratio Lower Upper

91 100

126 33.9 17.1 51.2

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.463 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055117.D

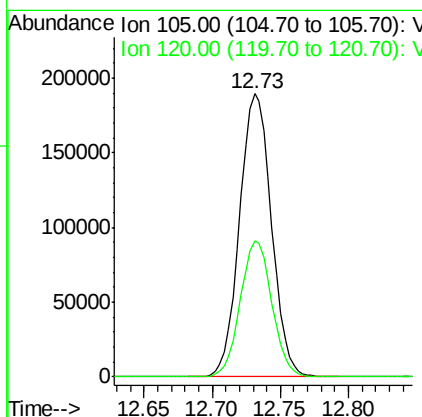
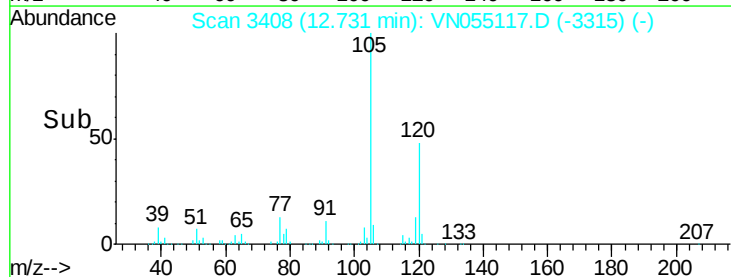
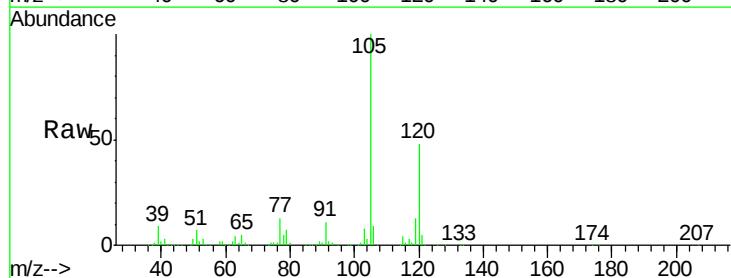
Acq: 18 Apr 2019 11:13

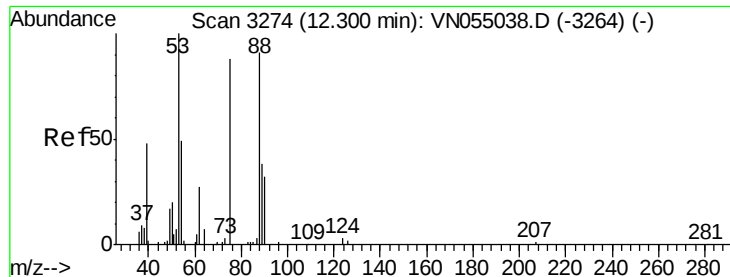
Tgt Ion: 105 Resp: 306360

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.607 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

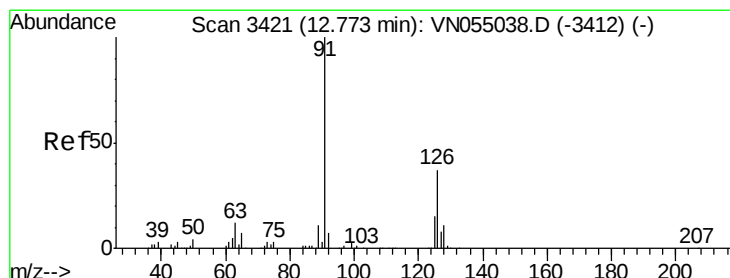
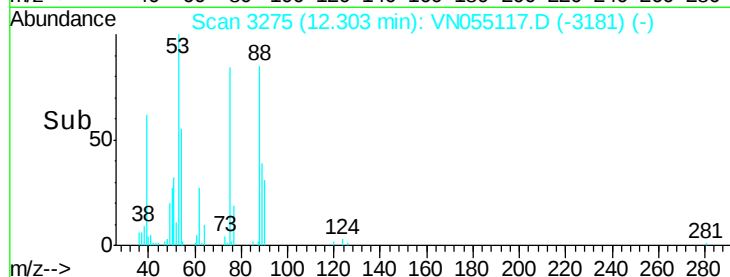
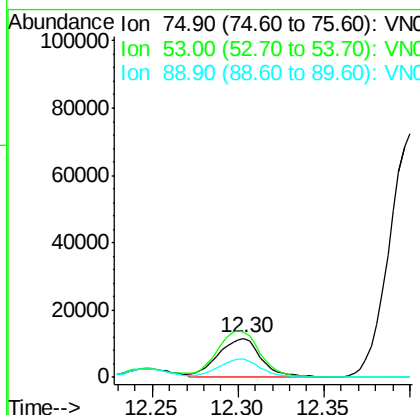
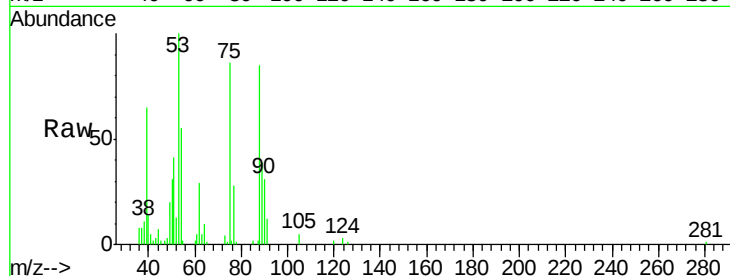
ClientSampleId :

VN0418WBS01

Tot Ion:	75	Resp:	20369
Ion	Ratio	Lower	Upper
75	100		
53	121.4	96.3	144.5
89	46.2	38.6	57.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.526 ug/l

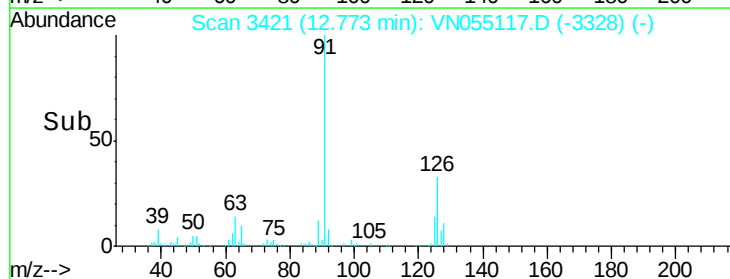
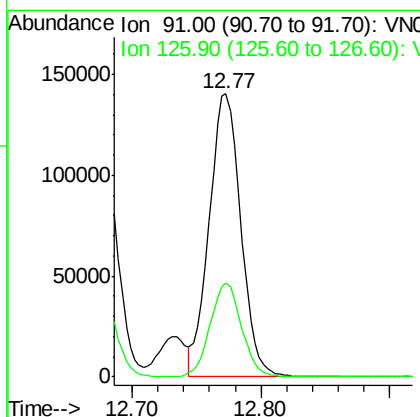
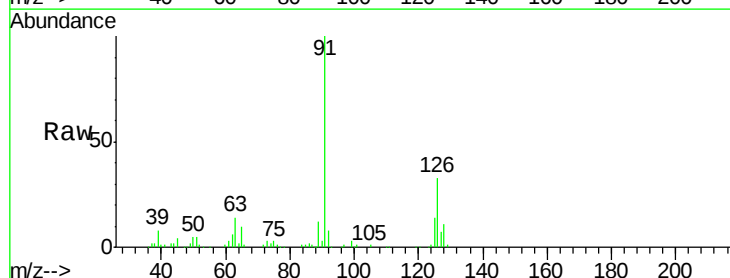
RT: 12.77 min Scan# 3421

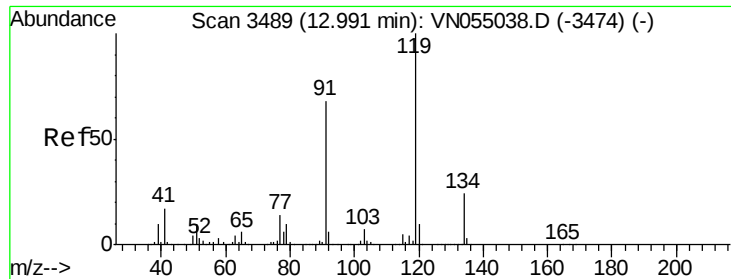
Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Tgt Ion:	91	Resp:	239462
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.2





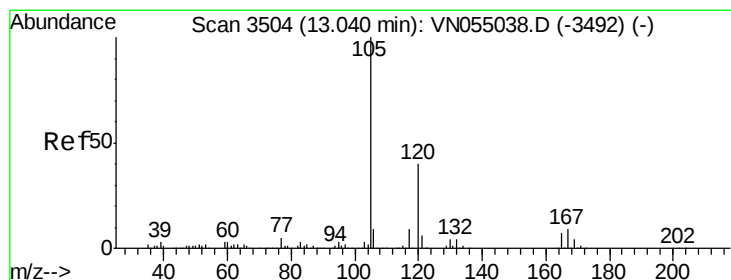
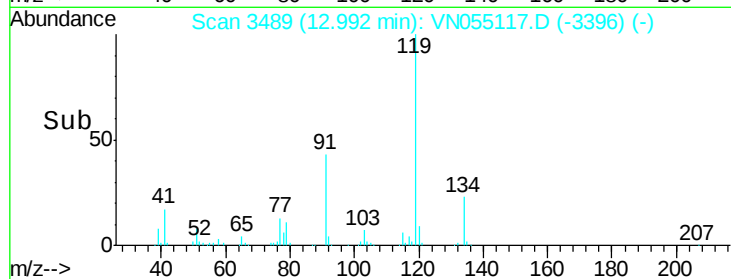
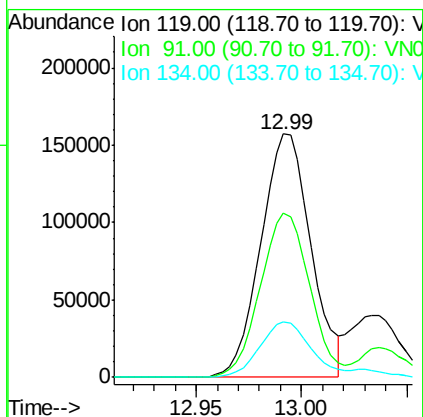
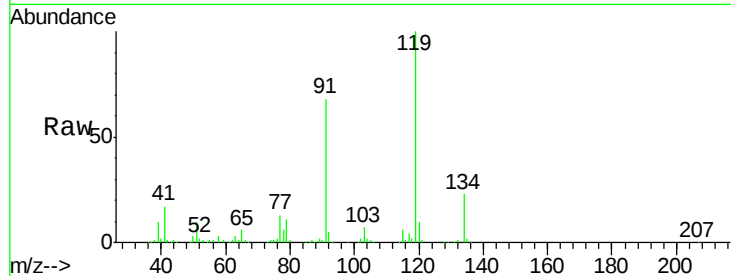
#83
 tert-Butylbenzene
 Concen: 19.597 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	260509		
91	66.6		33.3	99.8
134	23.5		12.3	36.9

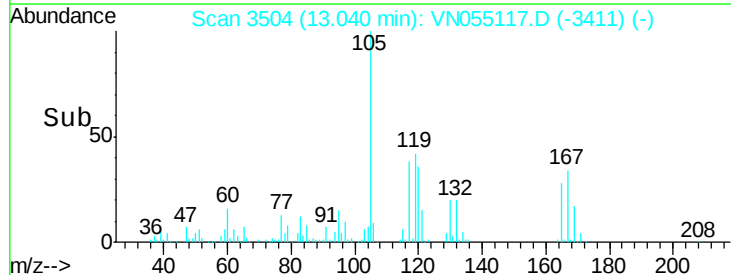
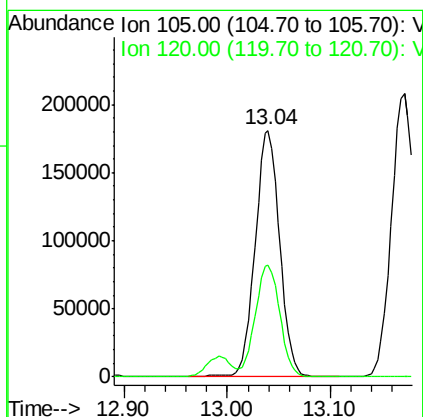
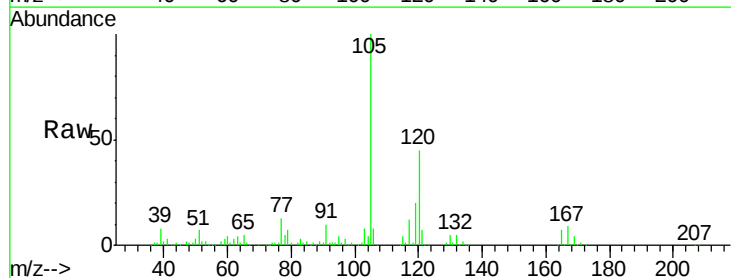
Manual Integrations
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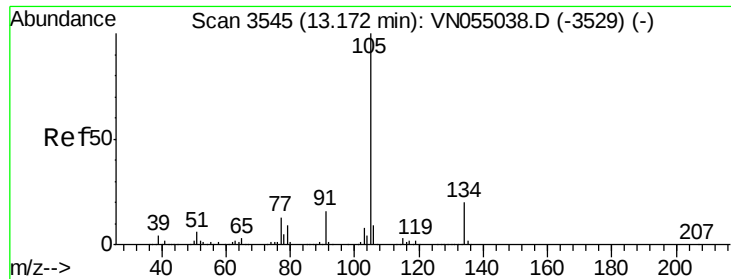
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.938 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	297420		
120	45.7		22.4	67.3





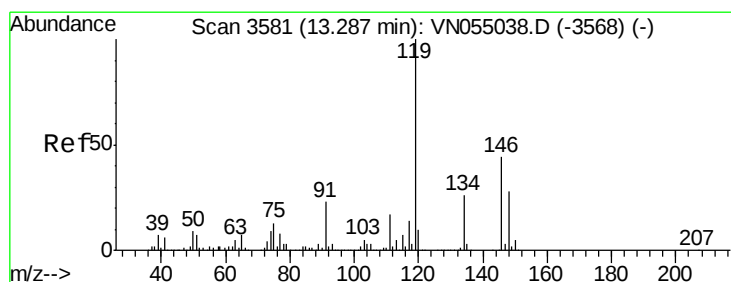
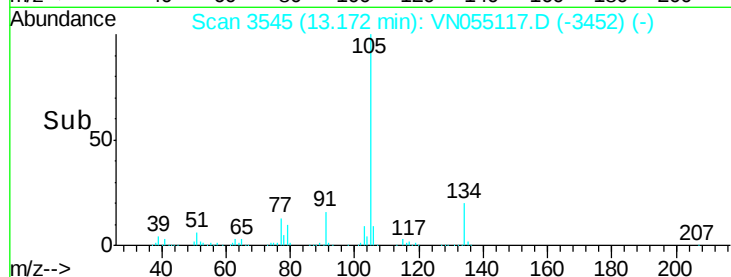
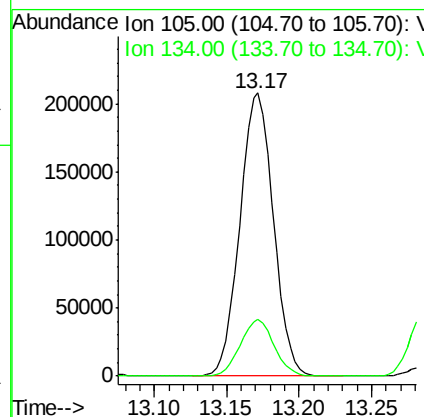
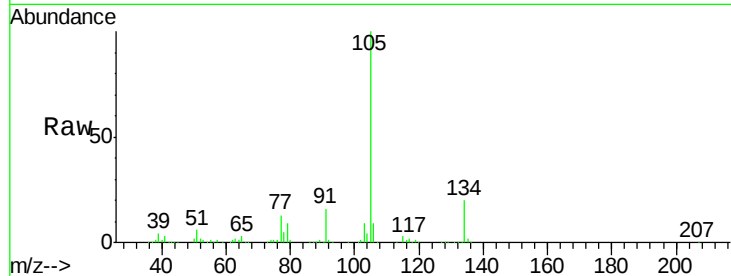
#85
 sec-Butylbenzene
 Concen: 19.689 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	333518		
134	20.1	9.8	29.3	

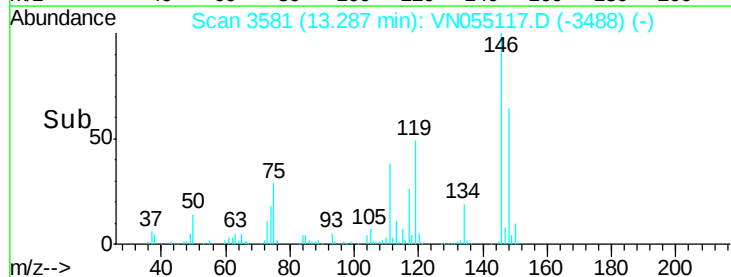
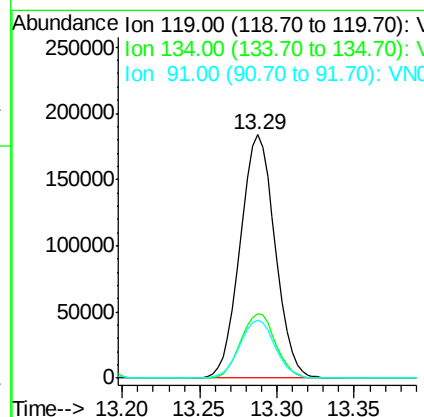
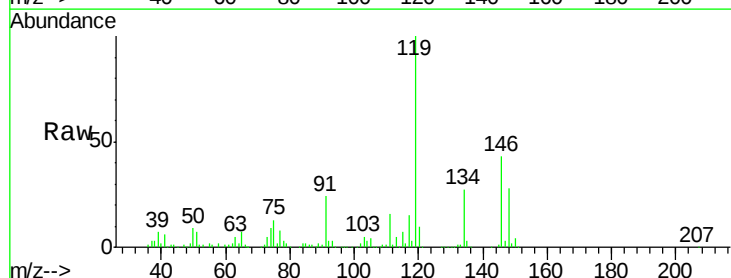
Manual Integrations
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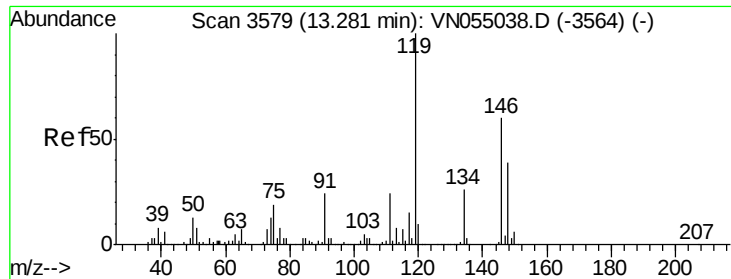
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#86
 p-Isopropyltoluene
 Concen: 19.827 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	288141		
134	26.5	13.2	39.5	
91	24.2	11.7	35.1	





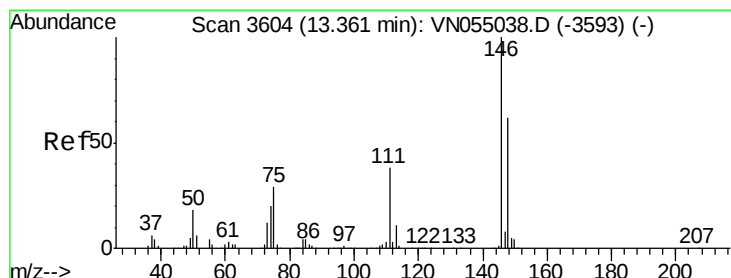
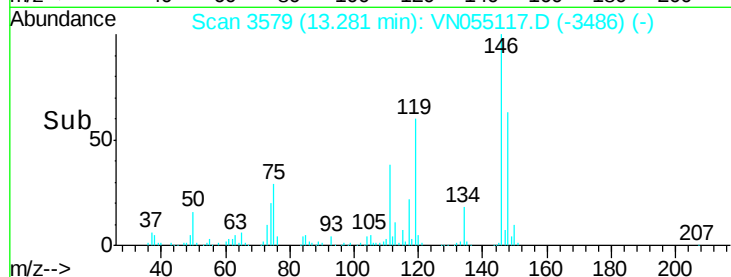
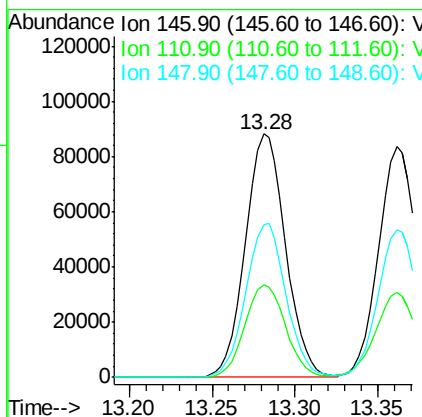
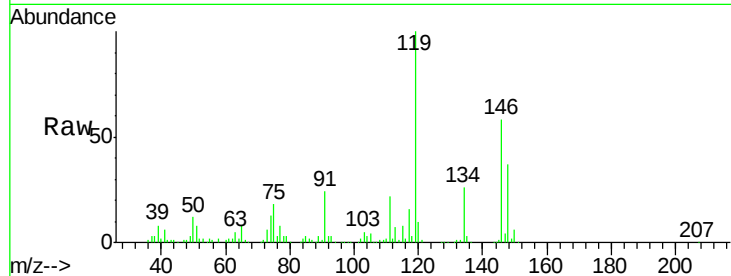
#87
 1,3-Dichlorobenzene
 Concen: 20.099 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	148556		
111	38.7	19.5	58.5	
148	63.2	31.6	94.7	

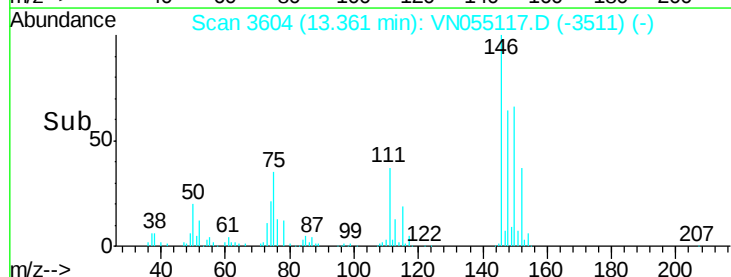
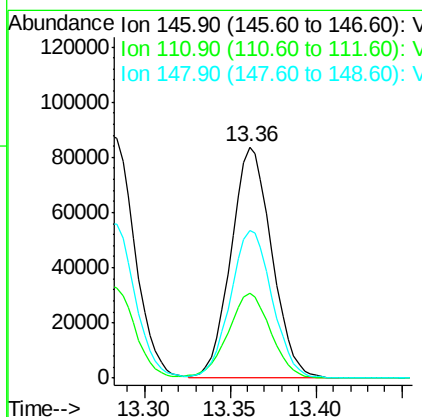
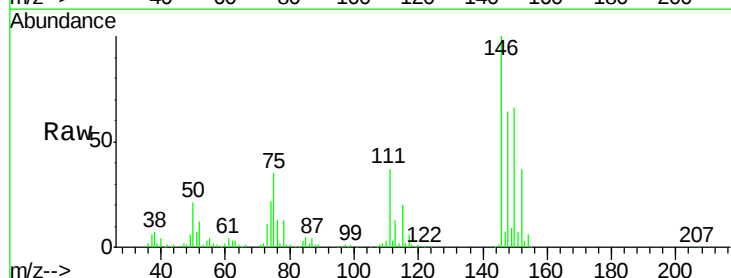
Manual Integrations
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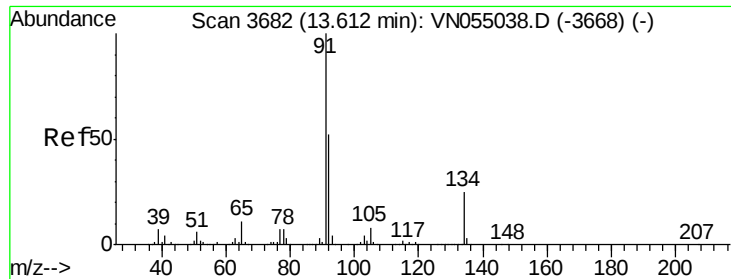
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#88
 1,4-Dichlorobenzene
 Concen: 19.577 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	137983		
111	38.9	18.8	56.4	
148	65.8	32.4	97.2	





#89

n-Butylbenzene

Concen: 20.082 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

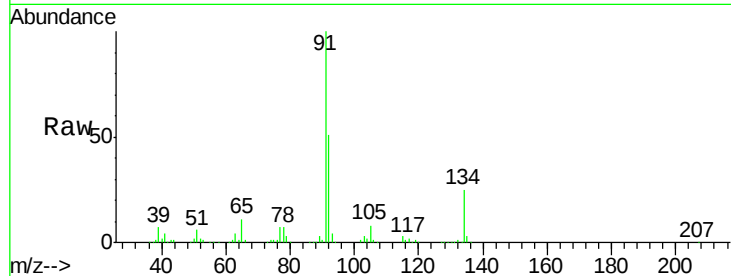
ClientSampleId :

VN0418WBS01

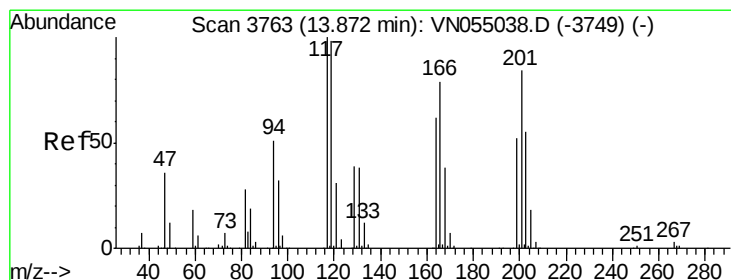
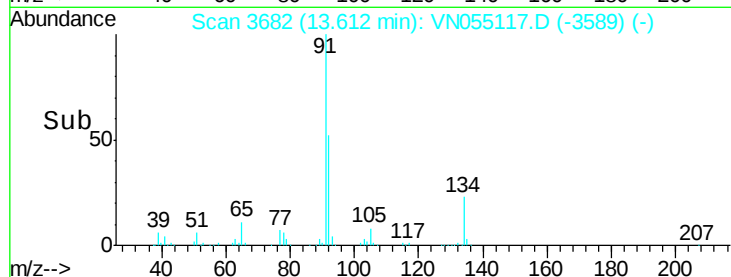
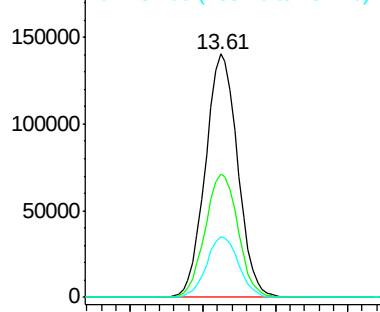
Tot Ion:	91	Resp:	216654
Ion Ratio		Lower	Upper
91	100		
92	51.7	25.9	77.7
134	24.8	12.8	38.3

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN055117.D (-3682) (-)



#90

Hexachloroethane

Concen: 18.807 ug/l

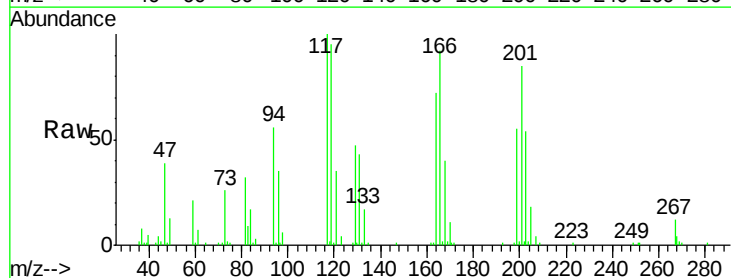
RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

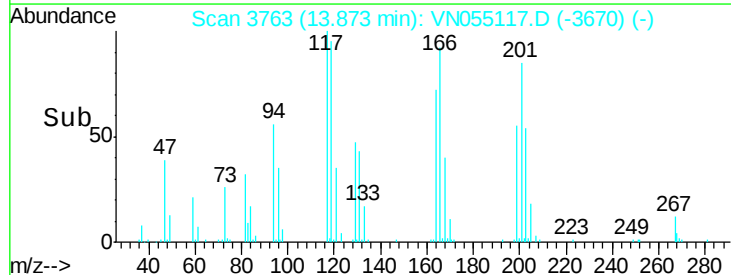
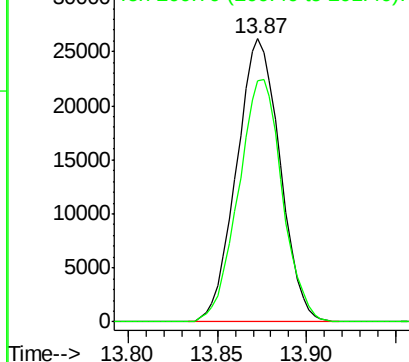
Lab File: VN055117.D

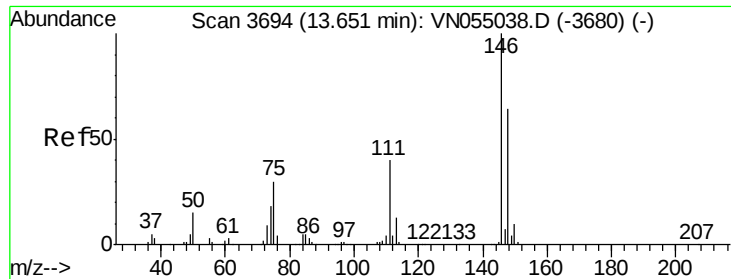
Acq: 18 Apr 2019 11:13

Tgt Ion:	117	Resp:	44472
Ion Ratio		Lower	Upper
117	100		
201	86.4	43.4	130.2



Abundance Ion 116.80 (116.50 to 117.50): VN055117.D (-3763) (-)





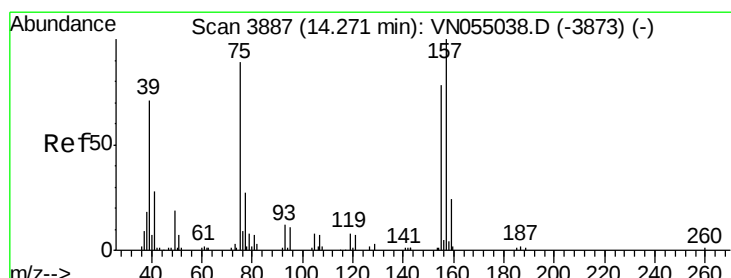
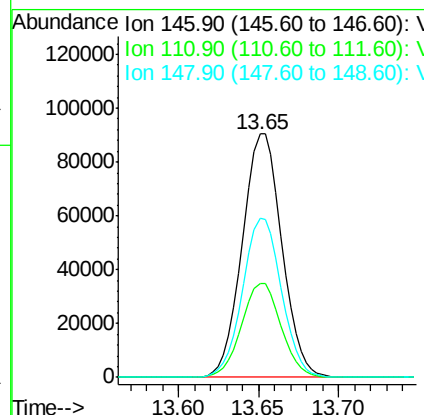
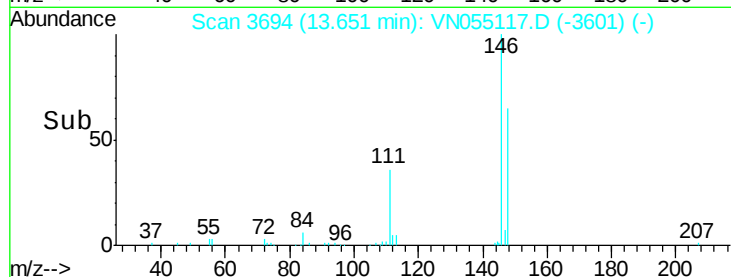
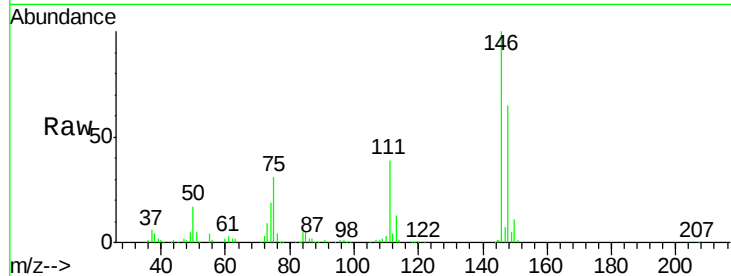
#91
 1,2-Dichlorobenzene
 Concen: 20.513 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.3	60.9
148	64.1	32.2	96.6

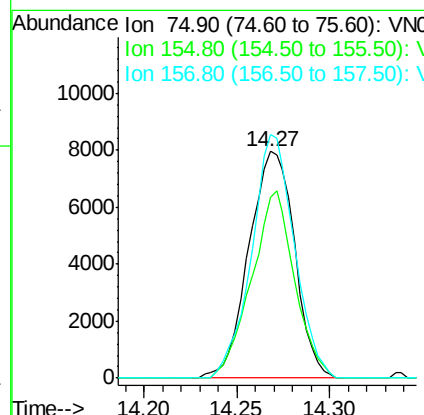
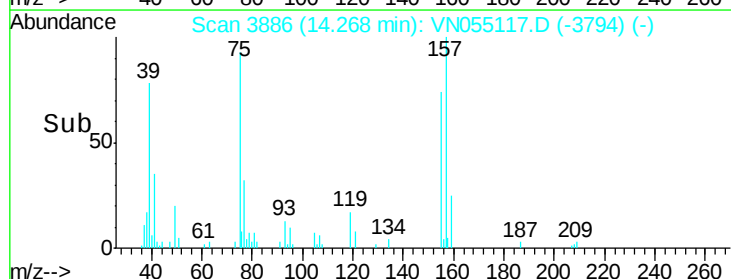
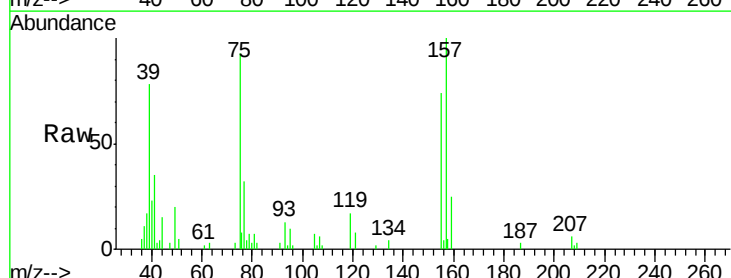
Manual Integrations
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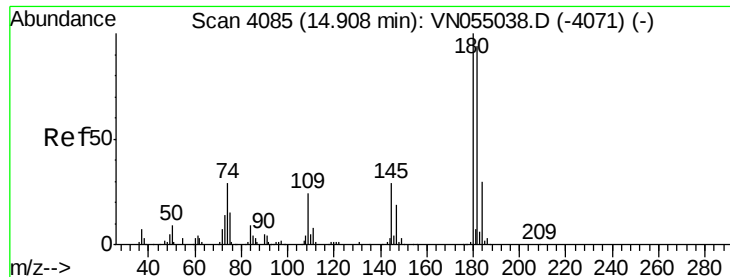
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.163 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.8	42.0	126.0
157	100.7	52.1	156.4





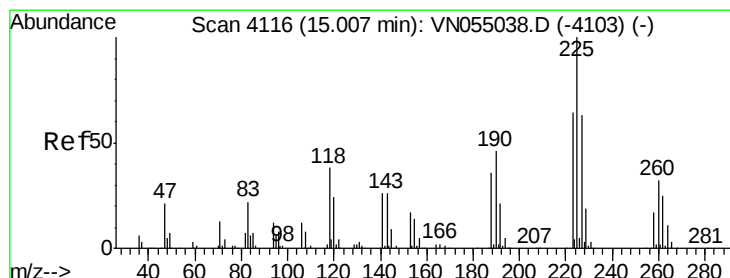
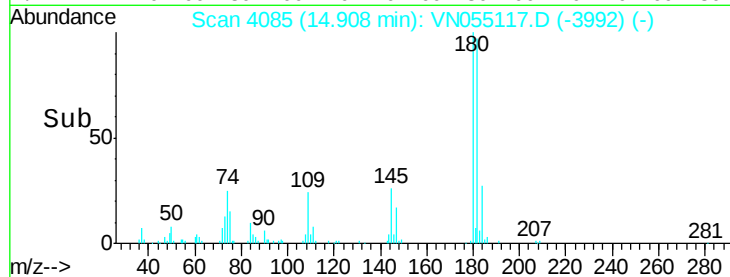
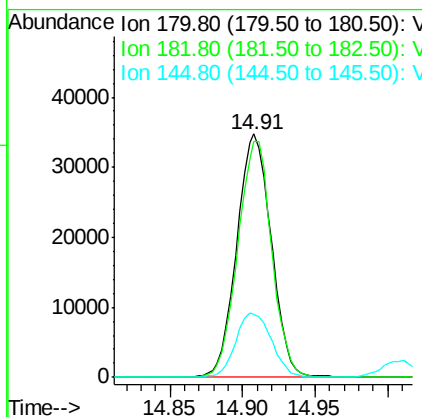
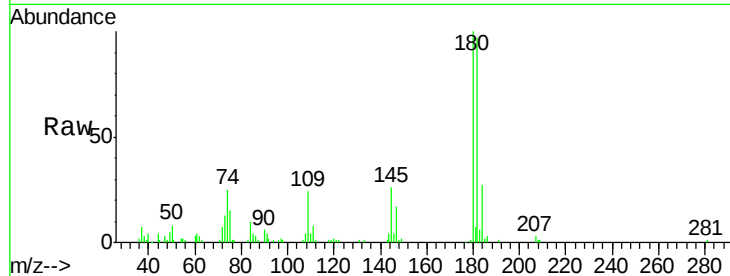
#93
 1,2,4-Trichlorobenzene
 Concen: 18.792 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	27.4	14.2	42.8

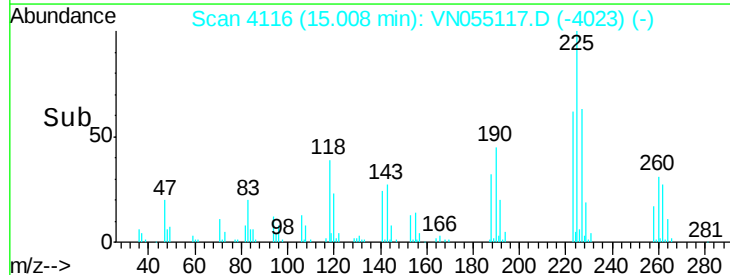
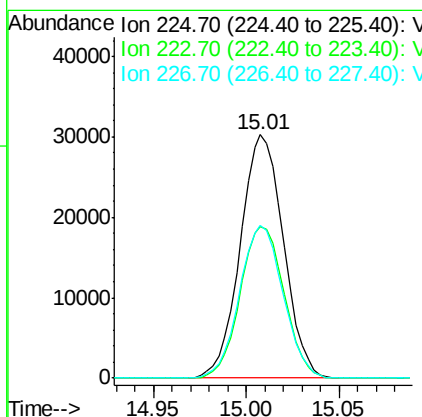
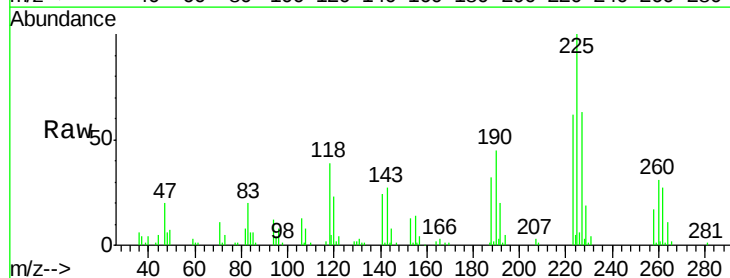
Manual Integrations
 APPROVED

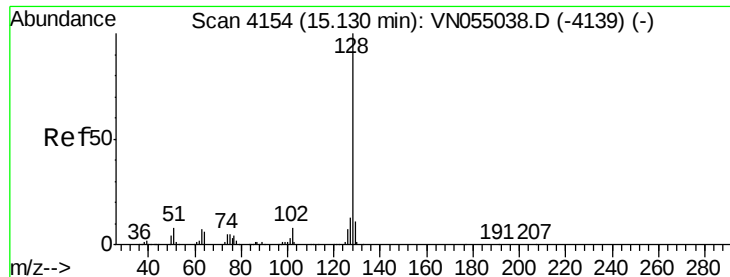
MMDadoda
 4/19/2019 5:46:50 PM



#94
 Hexachlorobutadiene
 Concen: 21.273 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.0
227	63.2	32.6	97.7





#95

Naphthalene

Concen: 17.498 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

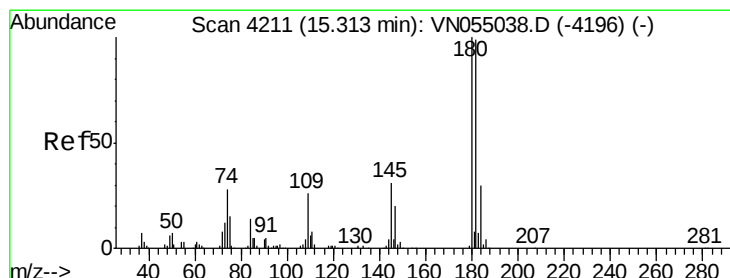
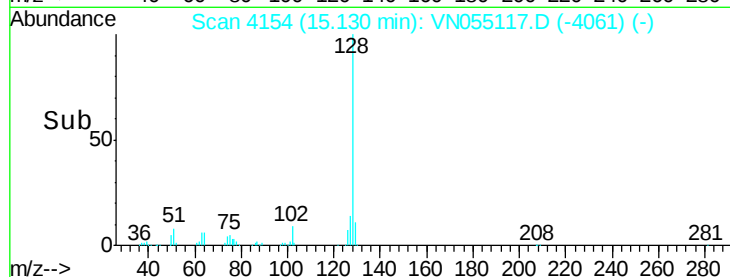
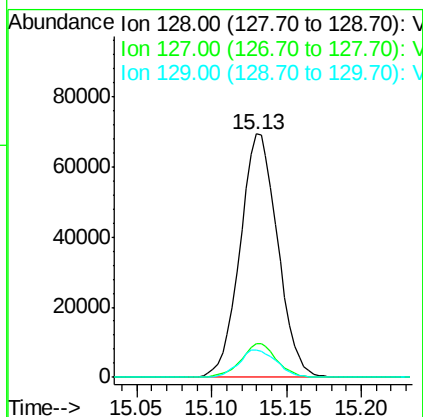
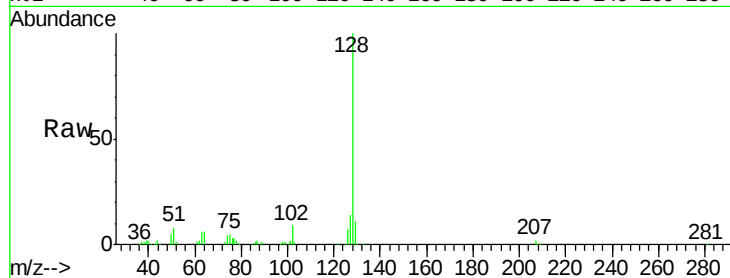
ClientSampleId :

VN0418WBS01

Tot Ion:	128	Resp:	121171
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/19/2019 5:46:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.316 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Tgt Ion:	180	Resp:	61153
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.0	144.0
145	28.5	15.3	45.9

