

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
 Data File : VN055111.D
 Acq On : 17 Apr 2019 17:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 4/19/2019 12:21:37 PM

Quant Time: Apr 18 08:51:05 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	380945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	615294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	241858	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	252973	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	207540	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.09	98	755437	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.40	95	262628	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	200696	46.358	ug/l	99
3) Chloromethane	2.06	50	260035	46.051	ug/l	100
4) Vinyl Chloride	2.19	62	219095	46.163	ug/l	97
5) Bromomethane	2.55	94	116022	43.211	ug/l	98
6) Chloroethane	2.70	64	118560	46.322	ug/l	98
7) Trichlorofluoromethane	3.01	101	279344	47.062	ug/l	100
8) Diethyl Ether	3.41	74	89299	47.131	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	142607	45.909	ug/l	98
10) Methyl Iodide	3.94	142	214673	44.534	ug/l	99
11) Tert butyl alcohol	4.83	59	85264	307.192	ug/l	97
12) 1,1-Dichloroethene	3.72	96	135219	44.722	ug/l	99
13) Acrolein	3.60	56	90297	263.196	ug/l	98
14) Allyl chloride	4.31	41	371030	50.132	ug/l	98
15) Acrylonitrile	4.99	53	459676	276.807	ug/l	99
16) Acetone	3.82	43	332704	242.076	ug/l	100
17) Carbon Disulfide	4.03	76	419924	43.024	ug/l	99
18) Methyl Acetate	4.33	43	225827	57.072	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	571482	52.837	ug/l	98
20) Methylene Chloride	4.54	84	227640	47.117	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	189981	46.457	ug/l	92
22) Diisopropyl ether	5.96	45	778511	51.169	ug/l	98
23) Vinyl Acetate	5.90	43	2871175	285.504	ug/l	100
24) 1,1-Dichloroethane	5.84	63	397502	49.062	ug/l	99
25) 2-Butanone	6.85	43	589970	287.616	ug/l	98
26) 2,2-Dichloropropane	6.82	77	263724	51.572	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	228917	49.480	ug/l	99
28) Bromochloromethane	7.19	49	185318	47.450	ug/l	99
29) Tetrahydrofuran	7.22	42	380612	282.953	ug/l	99
30) Chloroform	7.37	83	387627	49.254	ug/l	100
31) Cyclohexane	7.65	56	358757	50.087	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	311418	49.946	ug/l	100
36) 1,1-Dichloropropene	7.79	75	281229	48.485	ug/l	100
37) Ethyl Acetate	6.94	43	254307	53.855	ug/l	100
38) Carbon Tetrachloride	7.77	117	258261	46.800	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	301515	47.971	ug/l	99
40) Benzene	8.04	78	858627	49.117	ug/l	99
41) Methacrylonitrile	7.17	41	141386	53.939	ug/l	97
42) 1,2-Dichloroethane	8.12	62	306904	50.565	ug/l	99
43) Isopropyl Acetate	8.17	43	412771	56.729	ug/l	99
44) Trichloroethene	8.83	130	218237	49.841	ug/l	99
45) 1,2-Dichloropropane	9.12	63	247990	50.867	ug/l	99
46) Dibromomethane	9.21	93	144484	52.067	ug/l	99
47) Bromodichloromethane	9.40	83	287822	50.308	ug/l	99
48) Methyl methacrylate	9.20	41	209501	58.091	ug/l	99
49) 1,4-Dioxane	9.21	88	46029	1362.277	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1236255	294.094	ug/l	99
52) Toluene	10.16	92	515439	51.481	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	283390	56.680	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	340810	54.921	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	200211	51.902	ug/l	99
56) Ethyl methacrylate	10.43	69	275112	59.426	ug/l	99
57) 1,3-Dichloropropane	10.71	76	346788	52.802	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	529862	260.128	ug/l	99
59) 2-Hexanone	10.75	43	777325	294.413	ug/l	100
60) Dibromochloromethane	10.90	129	207475	55.080	ug/l	99
61) 1,2-Dibromoethane	11.01	107	195138	54.961	ug/l	100
64) Tetrachloroethene	10.63	164	204709	45.999	ug/l	96
65) Chlorobenzene	11.43	112	541580	49.162	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	201735	49.790	ug/l	99
67) Ethyl Benzene	11.51	91	979959	49.812	ug/l	100
68) m/p-Xylenes	11.62	106	729008	102.333	ug/l	100
69) o-Xylene	11.95	106	359481	52.100	ug/l	98
70) Styrene	11.96	104	602100	53.909	ug/l	99
71) Bromoform	12.13	173	133318	57.406	ug/l #	98
73) Isopropylbenzene	12.25	105	940399	43.817	ug/l	99
74) N-amyl acetate	12.07	43	335801	55.582	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	268460	46.747	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	232393m	53.434	ug/l	
77) Bromobenzene	12.53	156	237935	44.469	ug/l	99
78) n-propylbenzene	12.59	91	1054188	45.463	ug/l	100
79) 2-Chlorotoluene	12.67	91	644730	44.578	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	793403	45.810	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	59913	55.087	ug/l	96
82) 4-Chlorotoluene	12.77	91	630613	46.734	ug/l	99
83) tert-Butylbenzene	12.99	119	665858	45.523	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	781829	47.633	ug/l	100
85) sec-Butylbenzene	13.17	105	866181	46.474	ug/l	100
86) p-Isopropyltoluene	13.29	119	760701	47.573	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	397502	48.877	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	383399	49.437	ug/l	99
89) n-Butylbenzene	13.61	91	630550	53.120	ug/l	99
90) Hexachloroethane	13.87	117	122257	46.990	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	398878	48.747	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36773	52.000	ug/l	92

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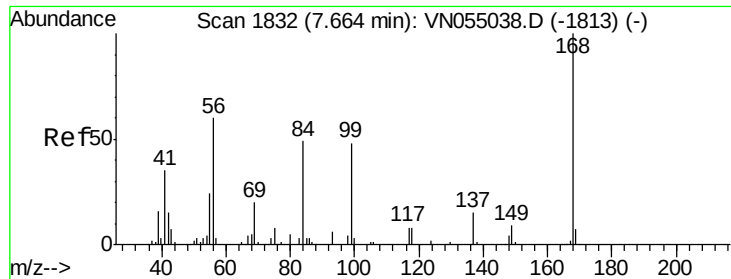
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	182638	49.280	ug/l	99
94) Hexachlorobutadiene	15.01	225	127525	50.458	ug/l	99
95) Naphthalene	15.13	128	414329	47.887	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	187961	59.544	ug/l	99

(#) = 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: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 380945

Ion Ratio Lower Upper

168 100

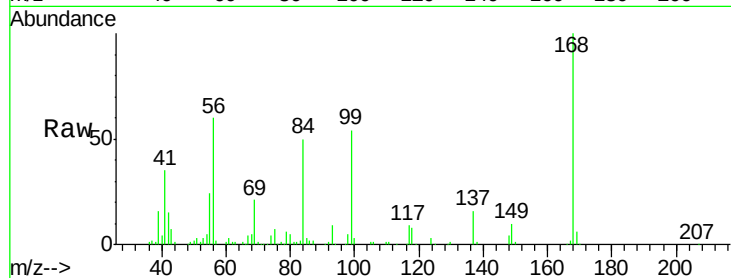
99 53.0 41.9 62.9

Manual Integrations

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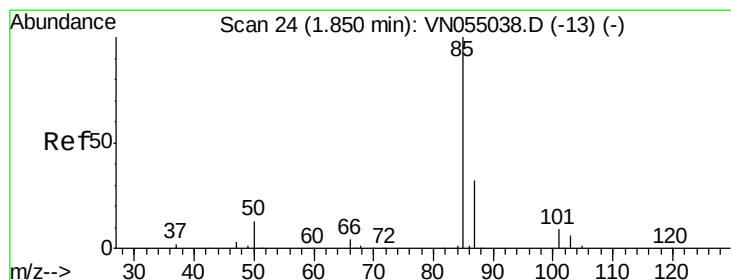
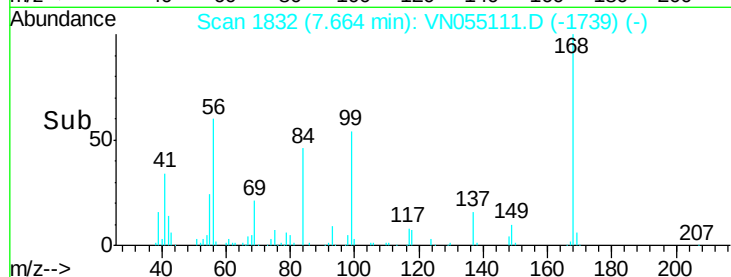
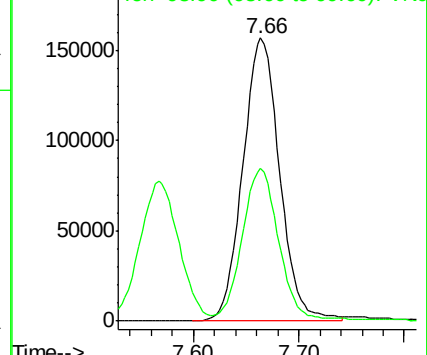
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.358 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055111.D

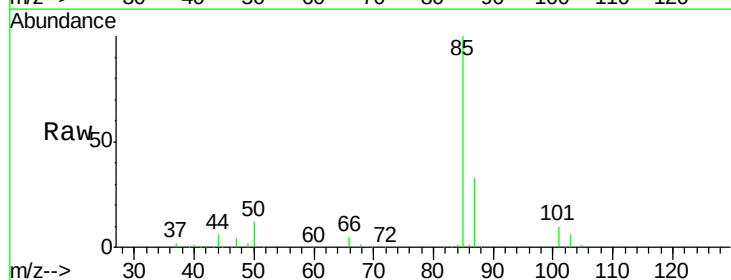
Acq: 17 Apr 2019 17:29

Tgt Ion: 85 Resp: 200696

Ion Ratio Lower Upper

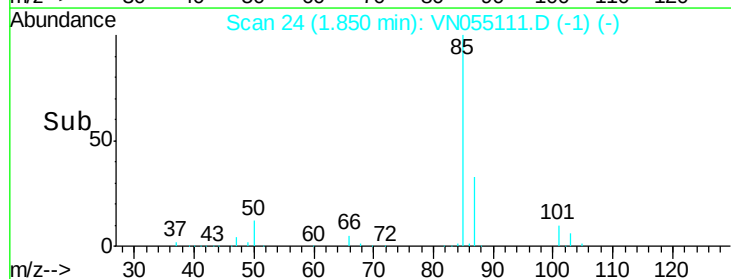
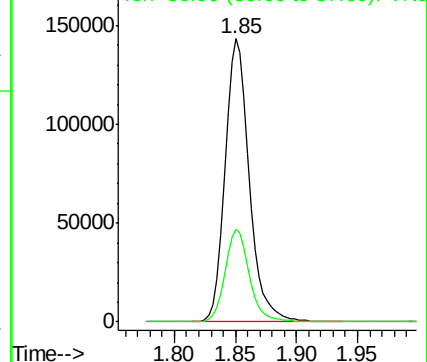
85 100

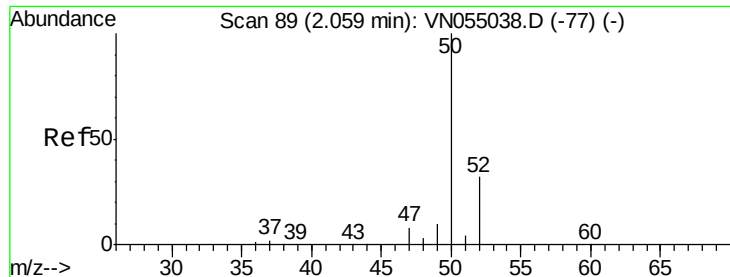
87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.051 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 260035

Ion Ratio Lower Upper

50 100

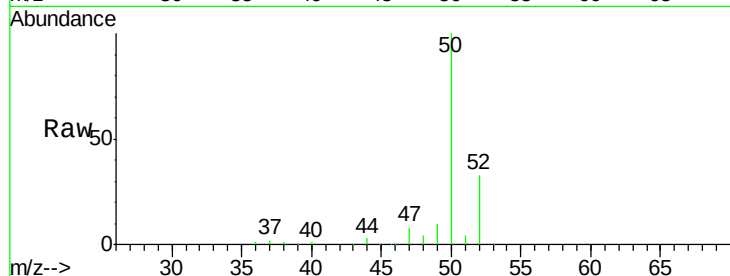
52 33.2 26.6 40.0

Manual Integrations

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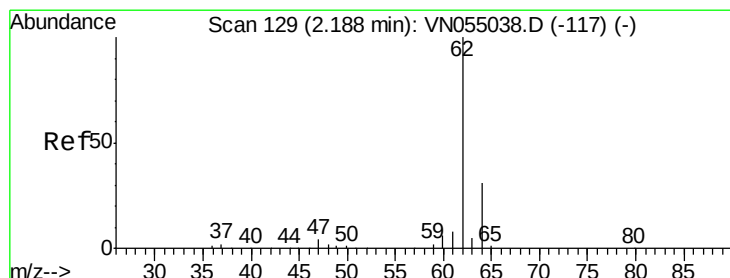
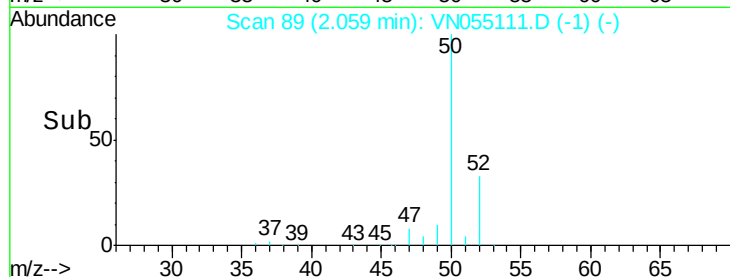
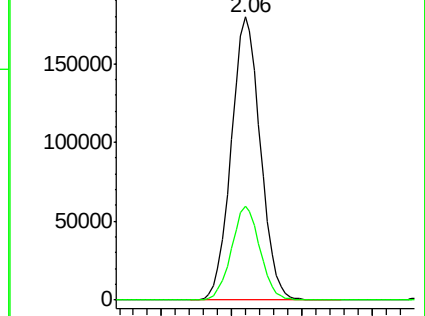
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.163 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055111.D

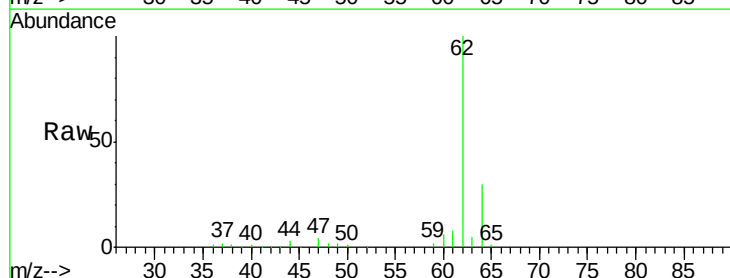
Acq: 17 Apr 2019 17:29

Tgt Ion: 62 Resp: 219095

Ion Ratio Lower Upper

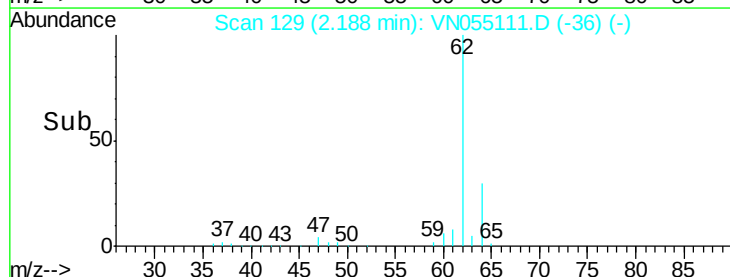
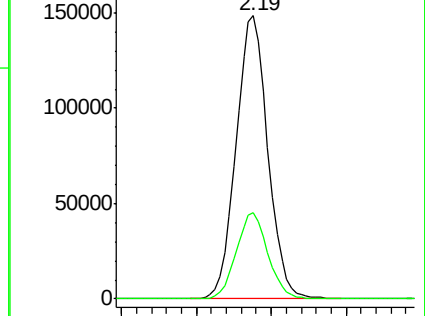
62 100

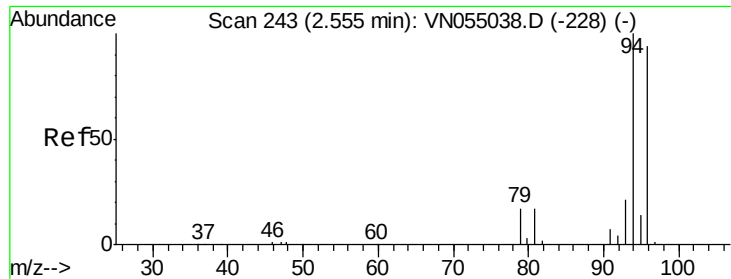
64 30.5 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 43.211 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Tot Ion: 94 Resp: 116022

Ion Ratio Lower Upper

94 100

96 93.6 76.2 114.4

Instrument :

MSVOA_N

ClientSampleId :

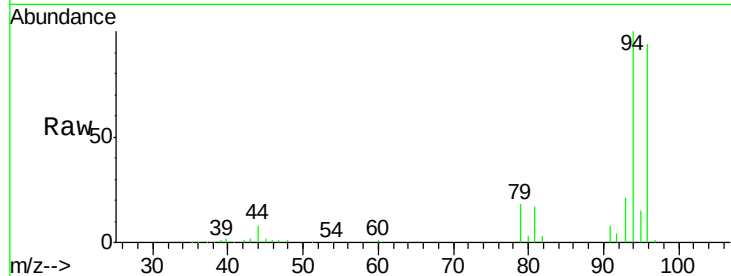
VSTDCCC050EC

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

60000

50000

40000

30000

20000

10000

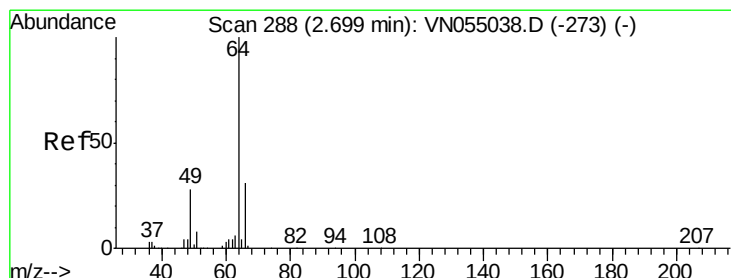
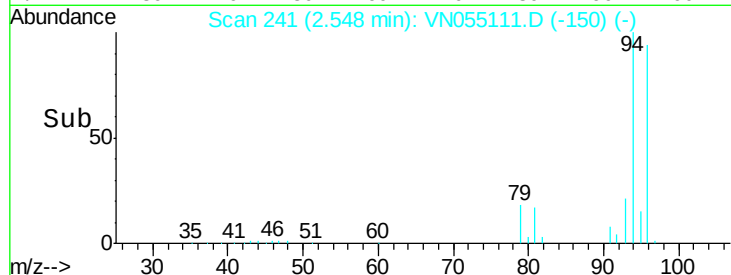
0

2.55

2.60

2.70

Time-->



#6

Chloroethane

Concen: 46.322 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN055111.D

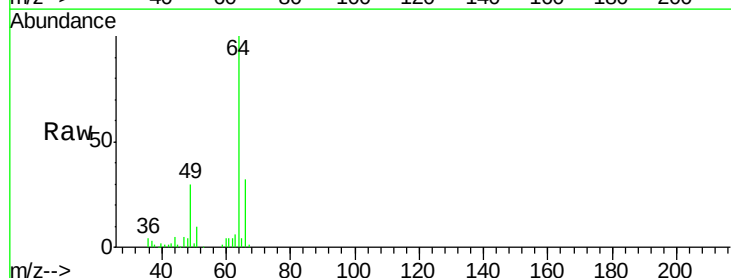
Acq: 17 Apr 2019 17:29

Tgt Ion: 64 Resp: 118560

Ion Ratio Lower Upper

64 100

66 32.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

60000

40000

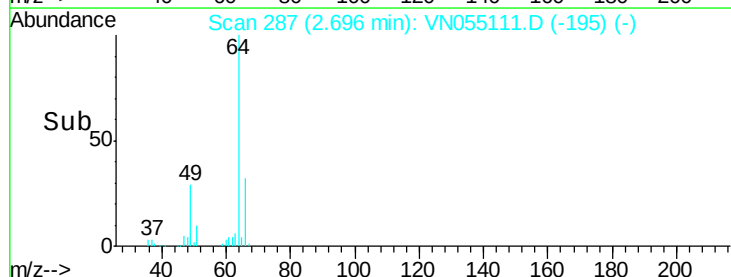
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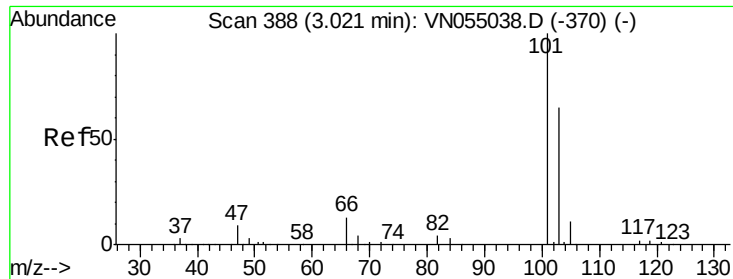
0

2.70

2.80

Time-->





#7

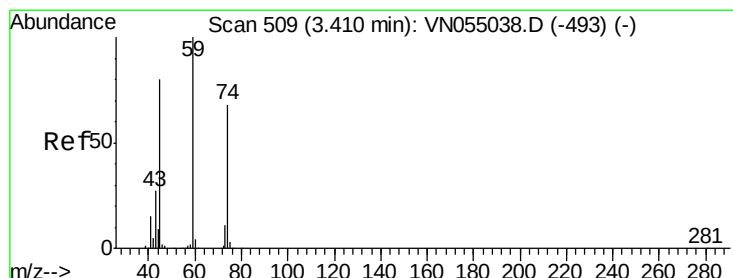
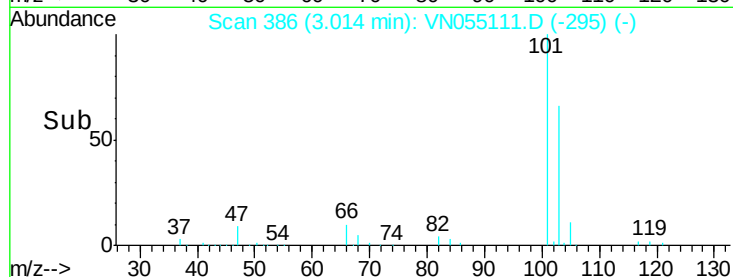
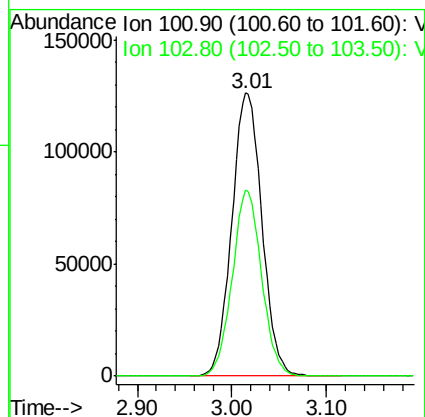
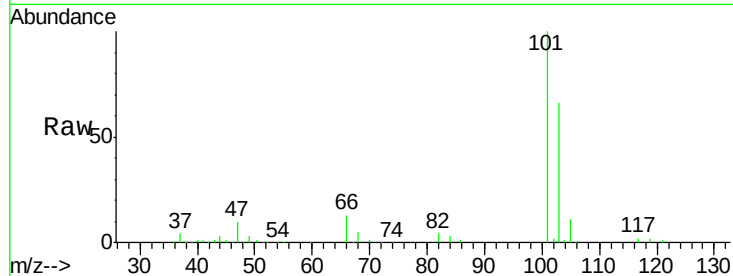
Trichlorofluoromethane
 Concen: 47.062 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

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 VSTDCCC050EC

Tot Ion:101 Resp: 279344
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.5 78.7

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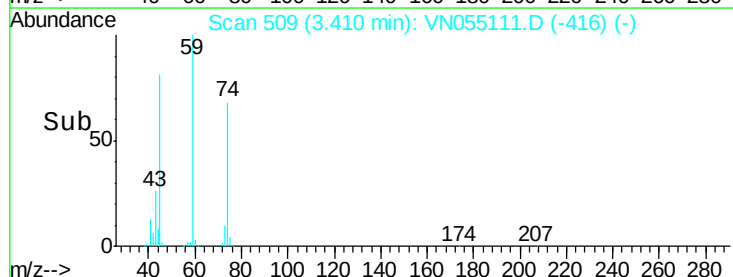
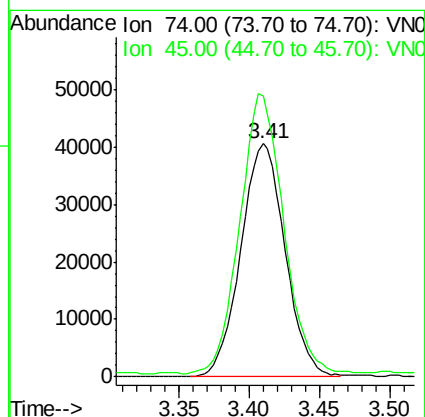
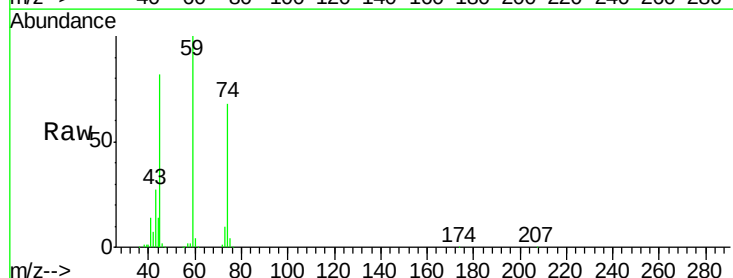
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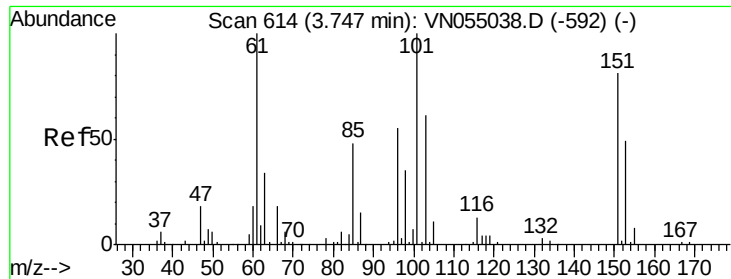


#8

Diethyl Ether
 Concen: 47.131 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055111.D
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Tgt Ion: 74 Resp: 89299
 Ion Ratio Lower Upper
 74 100
 45 118.3 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.909 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055111.D

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MSVOA_N

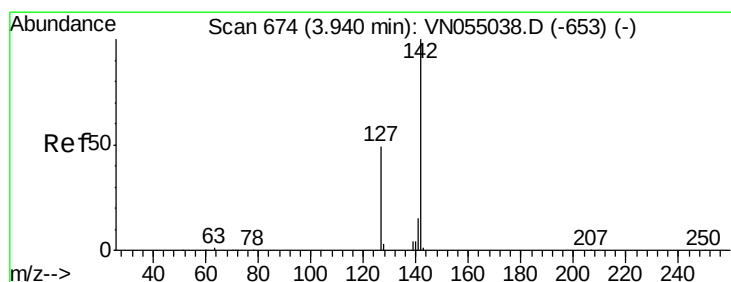
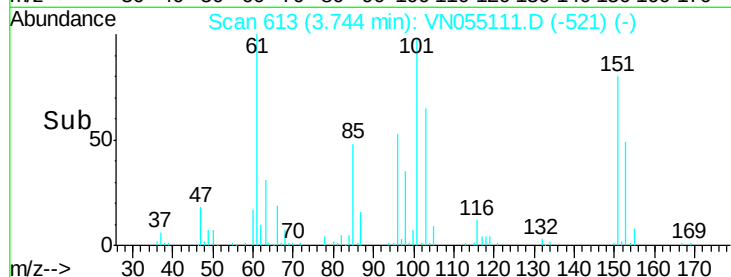
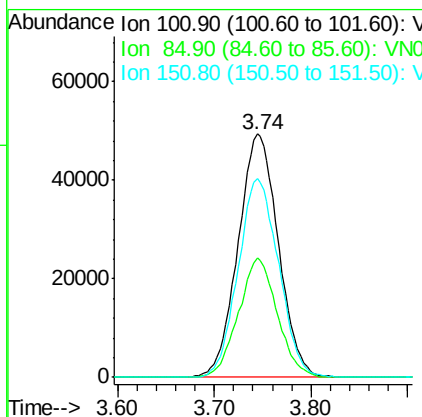
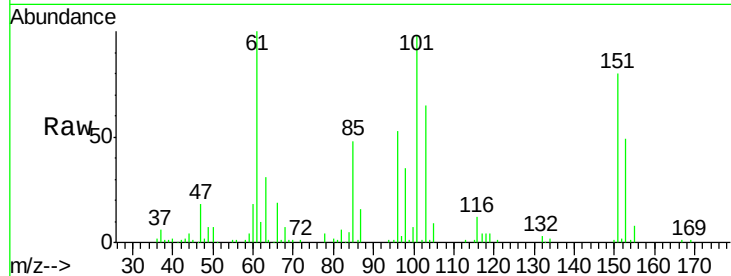
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	142607
Ion Ratio	Lower	Upper	
101	100		
85	47.3	36.9	55.3
151	82.3	64.4	96.6

Manual Integrations
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MMDadoda
4/19/2019 12:21:37 PM



#10

Methyl Iodide

Concen: 44.534 ug/l

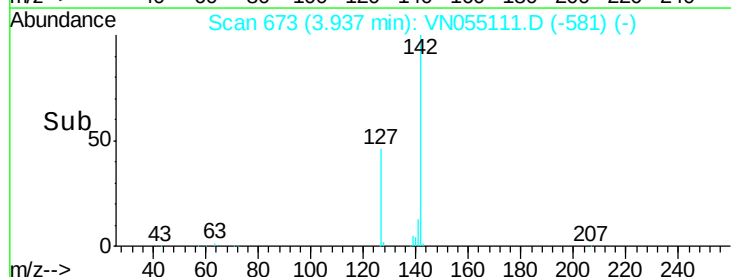
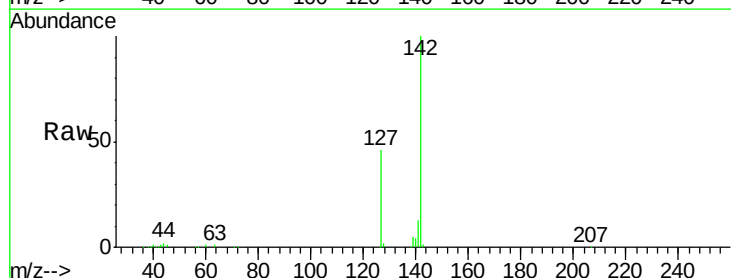
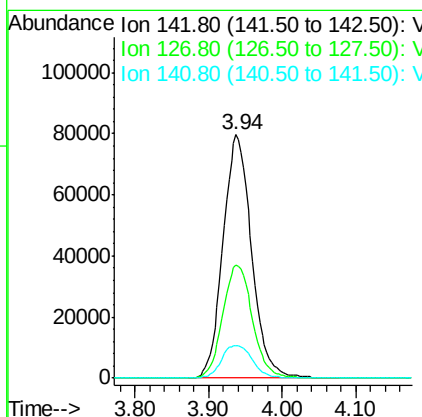
RT: 3.94 min Scan# 673

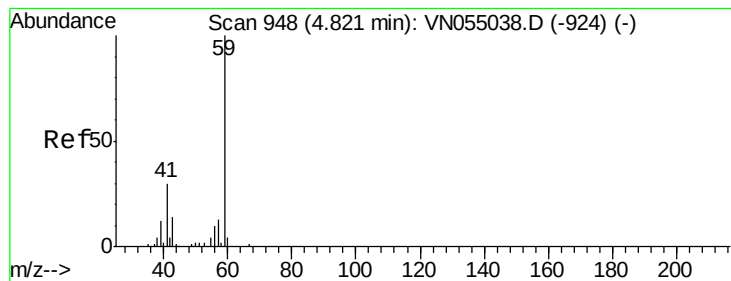
Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Tgt Ion:	142	Resp:	214673
Ion Ratio	Lower	Upper	
142	100		
127	48.2	37.9	56.9
141	14.5	11.8	17.8





#11

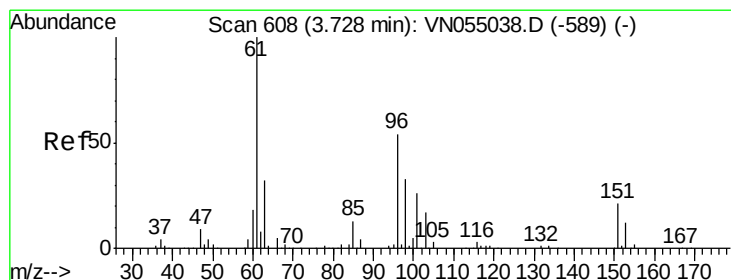
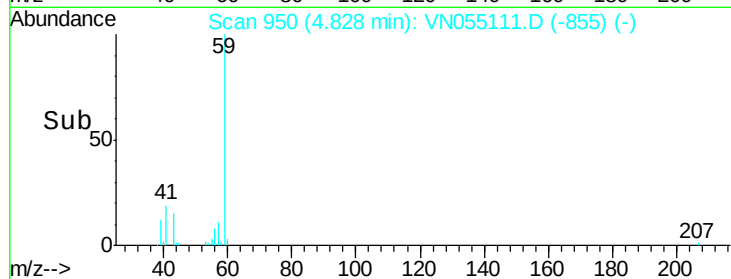
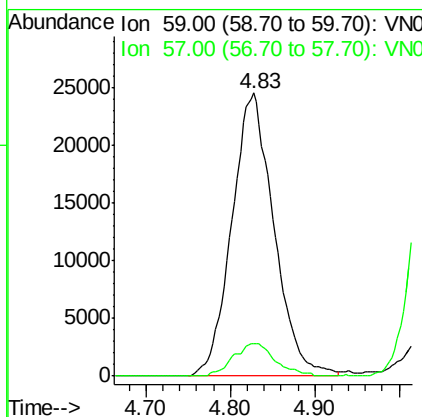
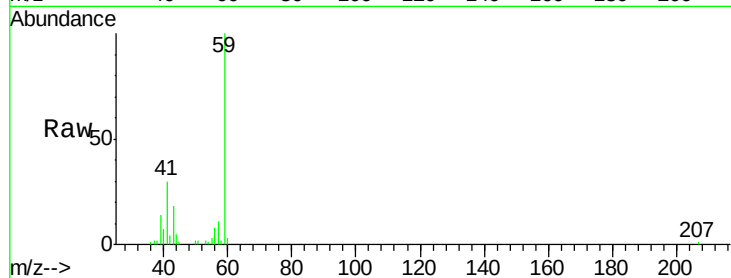
Tert butyl alcohol
Concen: 307.192 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.01 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.3	12.5

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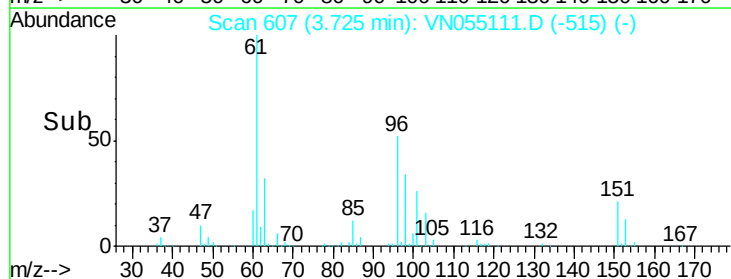
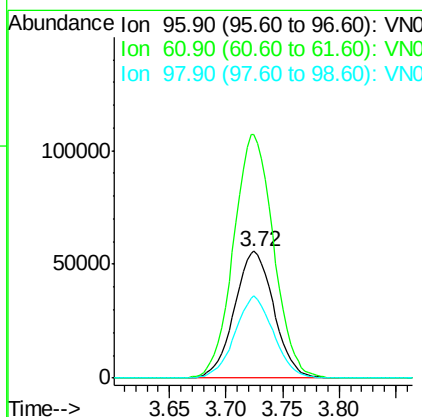
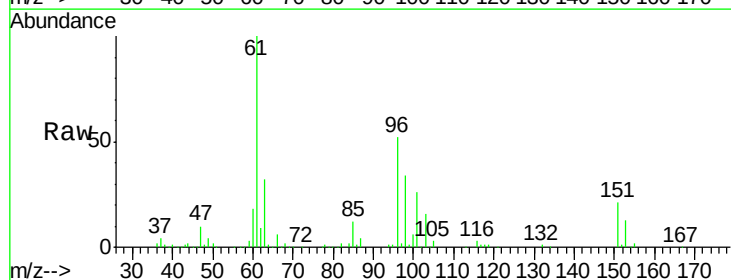
MMDadoda
4/19/2019 12:21:37 PM

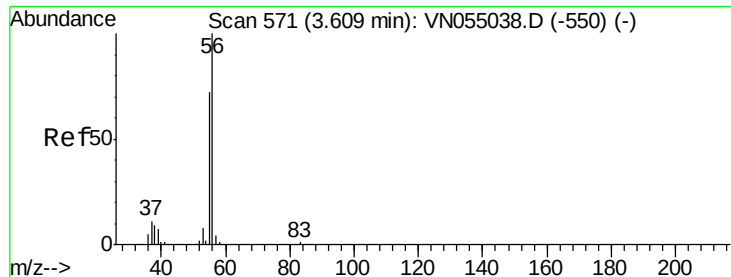


#12

1,1-Dichloroethene
Concen: 44.722 ug/l
RT: 3.72 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.6	154.2	231.4
98	64.6	52.9	79.3





#13

Acrolein

Concen: 263.196 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 90297

Ion Ratio Lower Upper

56 100

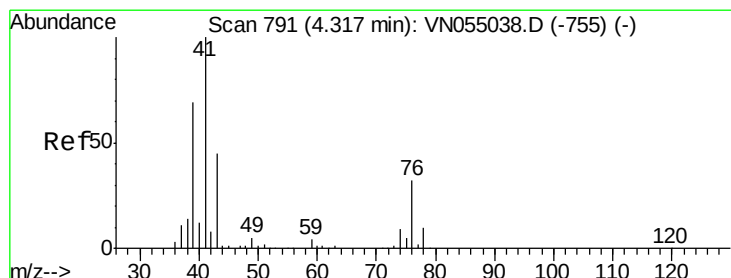
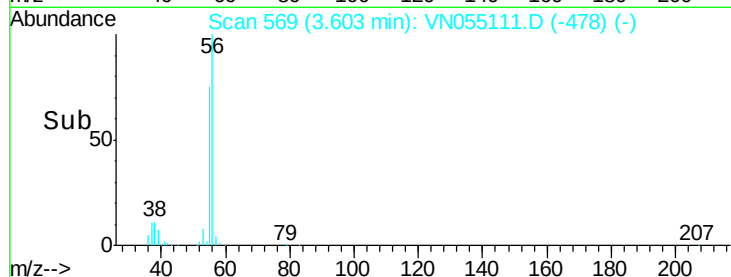
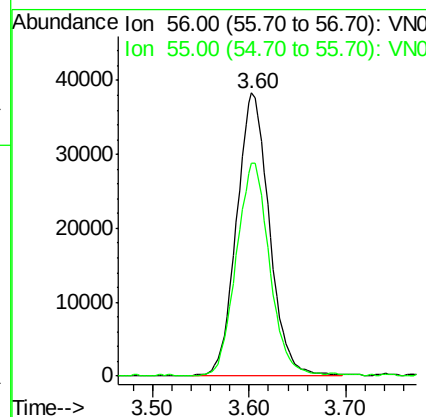
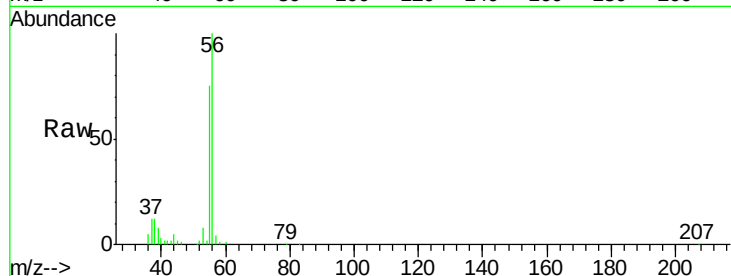
55 76.5 59.5 89.3

Manual Integrations

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#14

Allyl chloride

Concen: 50.132 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

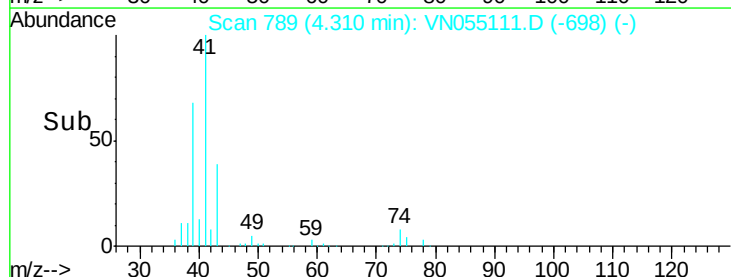
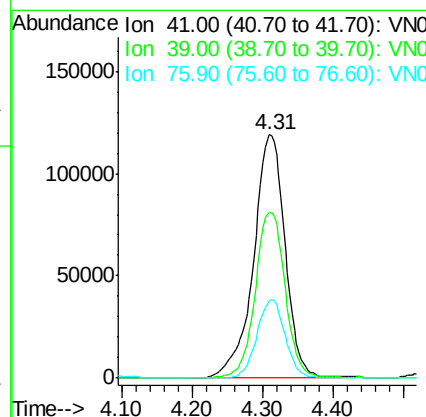
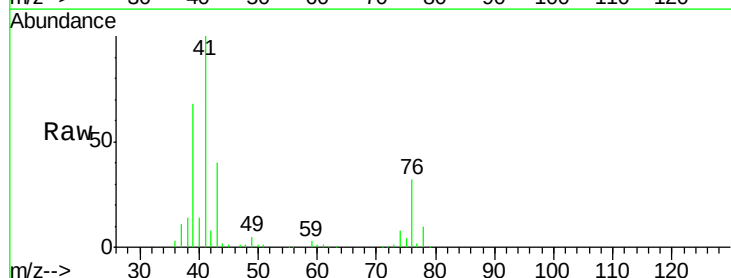
Tgt Ion: 41 Resp: 371030

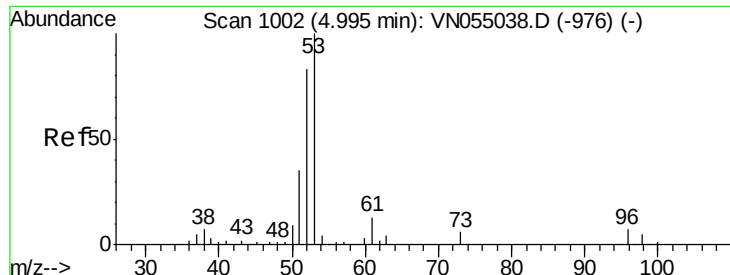
Ion Ratio Lower Upper

41 100

39 64.0 52.7 79.1

76 28.8 23.2 34.8





#15

Acrylonitrile

Concen: 276.807 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

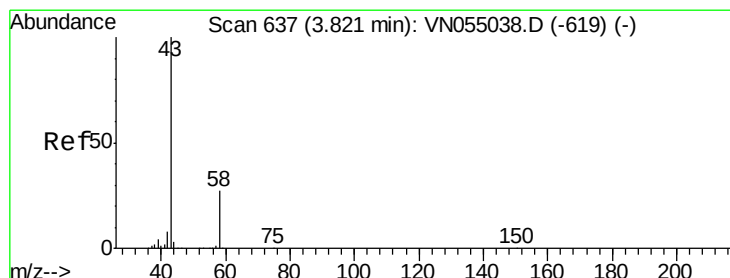
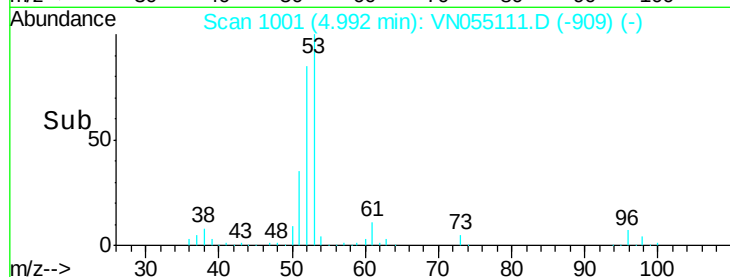
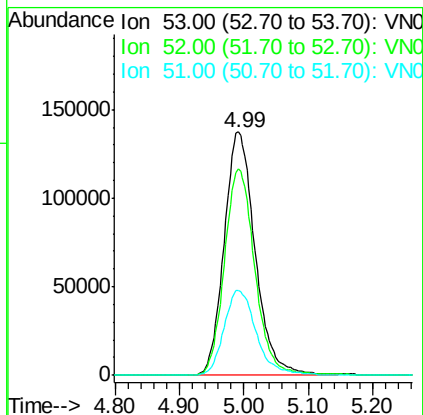
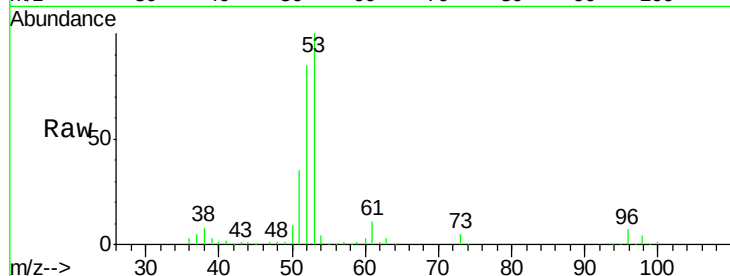
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	459676
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.9	98.9
51	36.3	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 242.076 ug/l

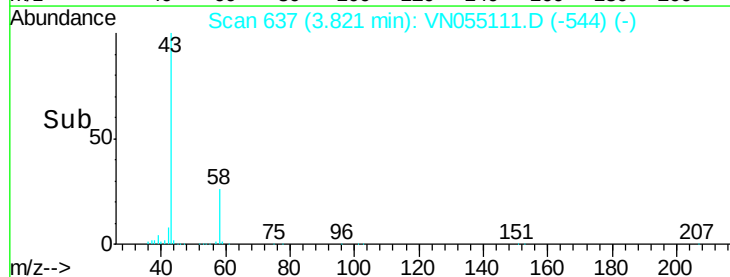
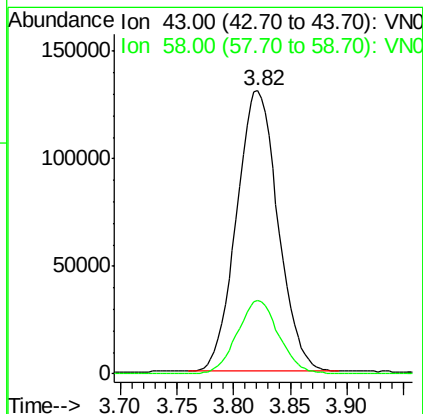
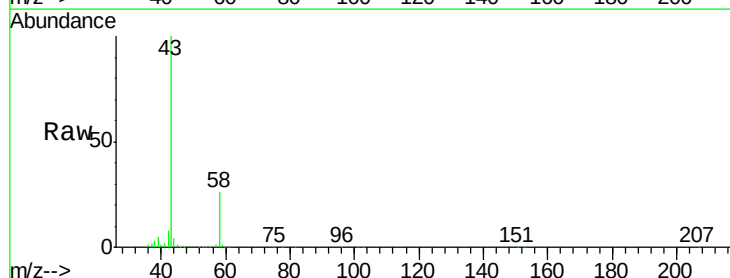
RT: 3.82 min Scan# 637

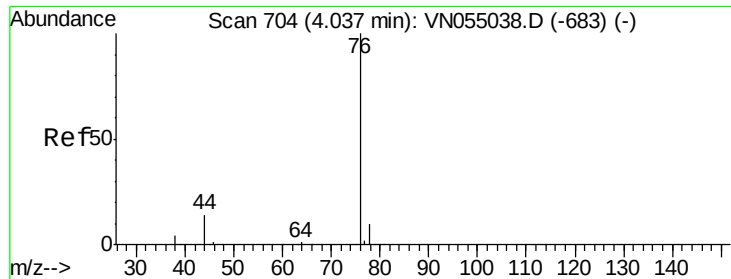
Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Tgt Ion:	43	Resp:	332704
Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.9	31.3





#17

Carbon Disulfide

Concen: 43.024 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 419924

Ion Ratio Lower Upper

76 100

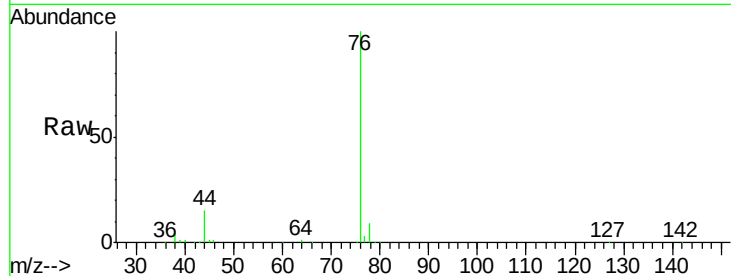
78 9.5 7.2 10.8

Manual Integrations

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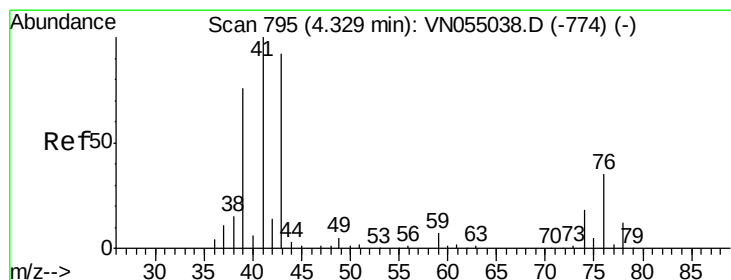
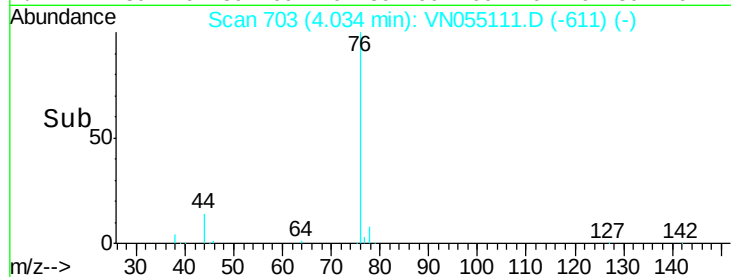
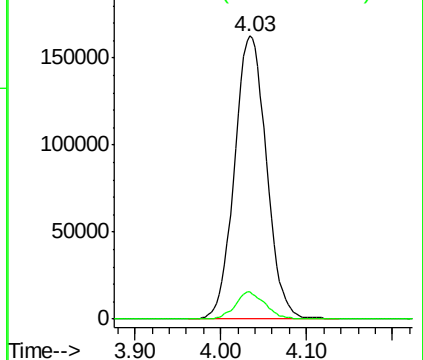
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 57.072 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055111.D

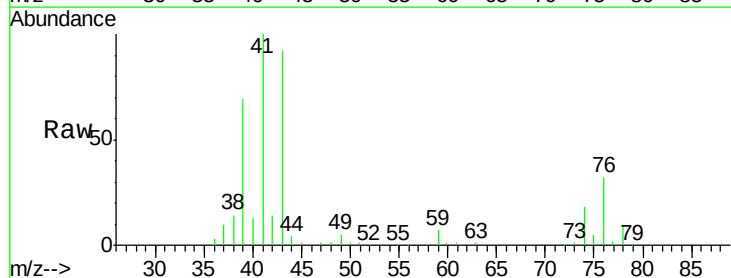
Acq: 17 Apr 2019 17:29

Tgt Ion: 43 Resp: 225827

Ion Ratio Lower Upper

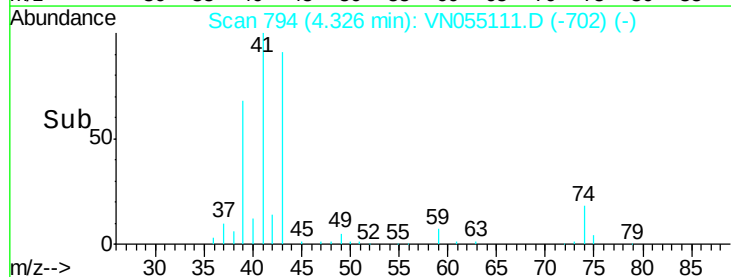
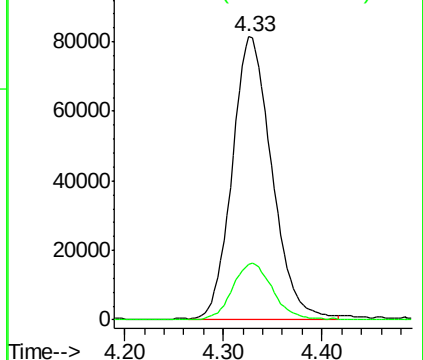
43 100

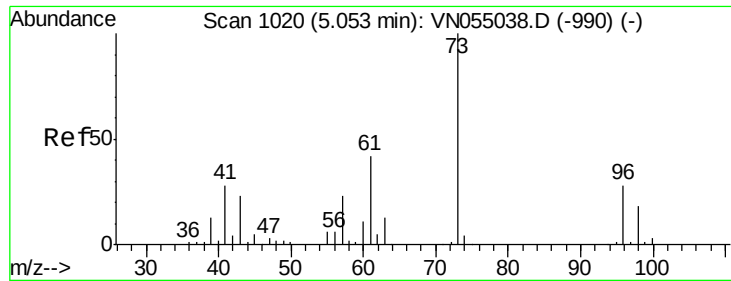
74 20.4 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





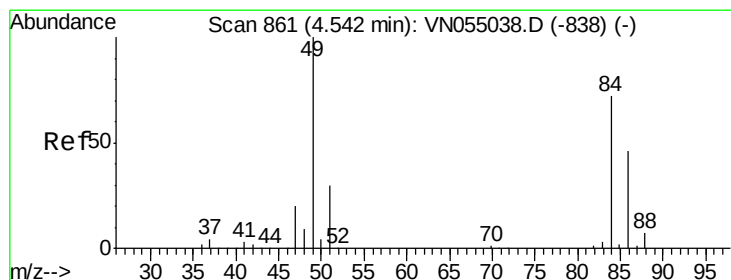
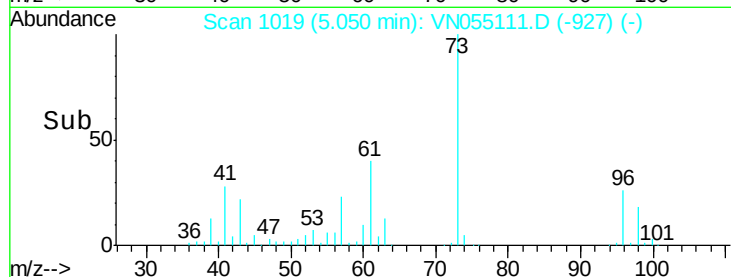
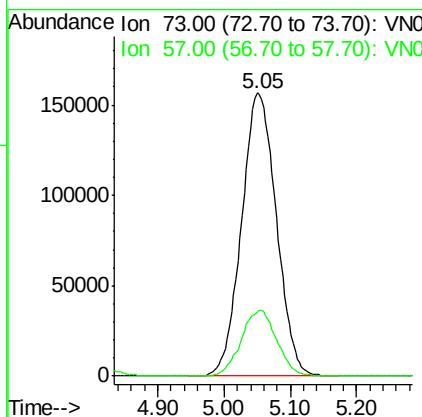
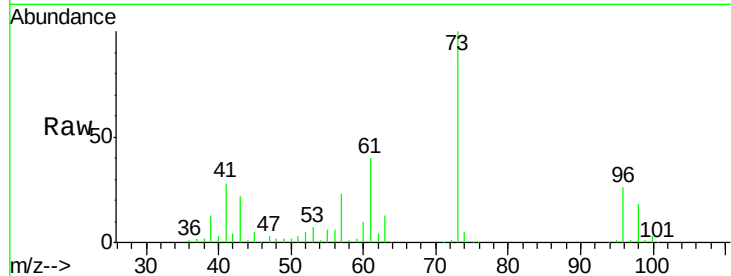
#19
Methyl tert-butyl Ether
Concen: 52.837 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 571482
Ion Ratio Lower Upper
73 100
57 22.6 19.0 28.4

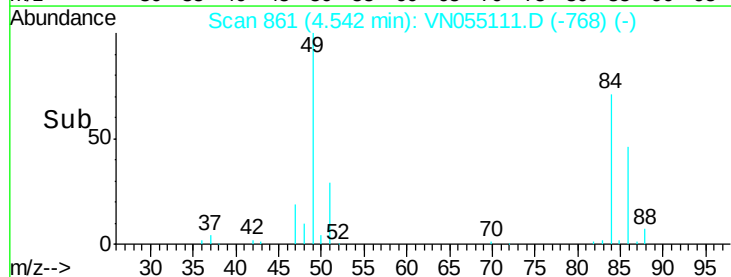
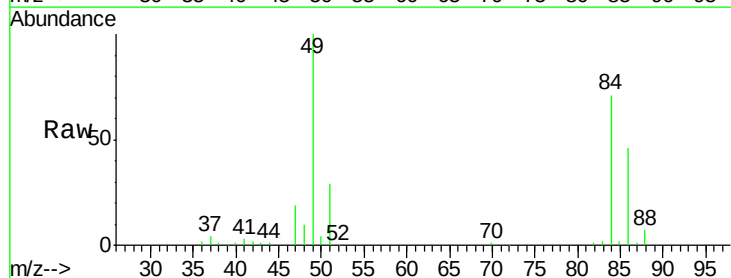
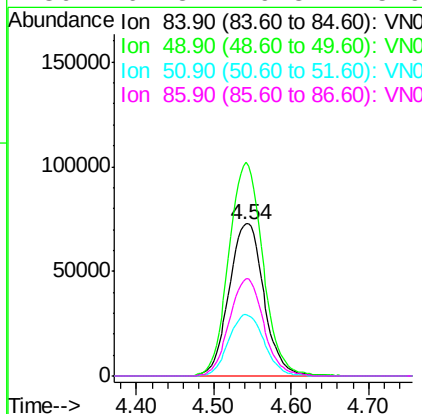
Manual Integrations
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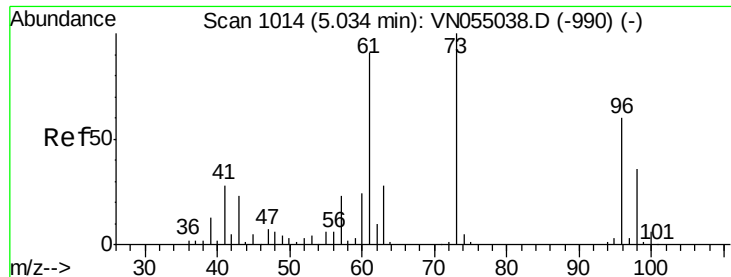
MMDadoda
4/19/2019 12:21:37 PM



#20
Methylene Chloride
Concen: 47.117 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion: 84 Resp: 227640
Ion Ratio Lower Upper
84 100
49 140.6 109.4 164.2
51 40.2 32.2 48.4
86 64.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 46.457 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

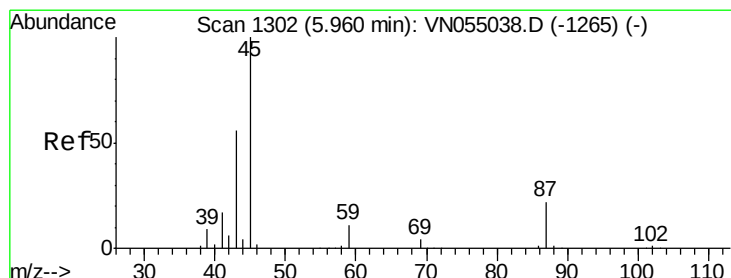
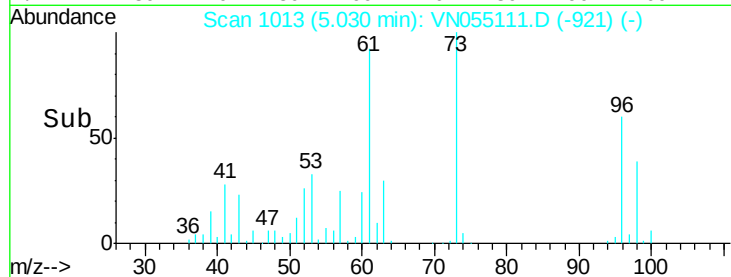
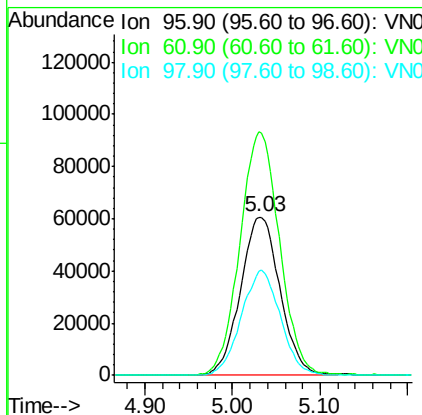
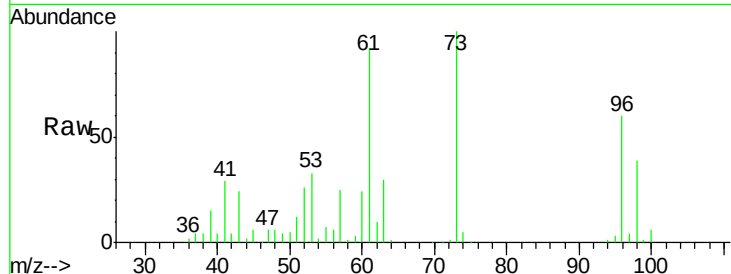
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	189981
Ion	Ratio	Lower	Upper
96	100		
61	154.1	114.9	172.3
98	65.5	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.169 ug/l

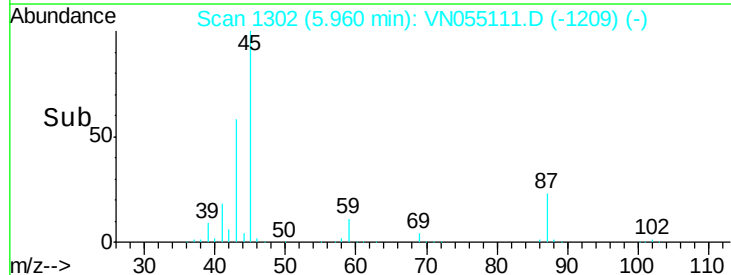
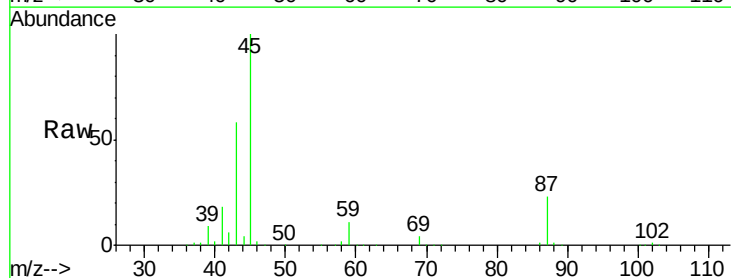
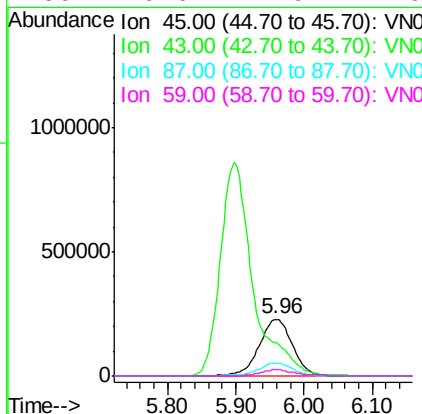
RT: 5.96 min Scan# 1302

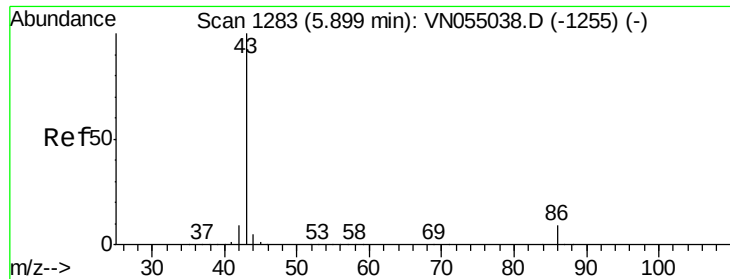
Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Tgt Ion:	45	Resp:	778511
Ion	Ratio	Lower	Upper
45	100		
43	57.7	44.8	67.2
87	23.1	18.9	28.3
59	10.6	7.9	11.9





#23

Vinyl Acetate

Concen: 285.504 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2871175

Ion Ratio Lower Upper

43 100

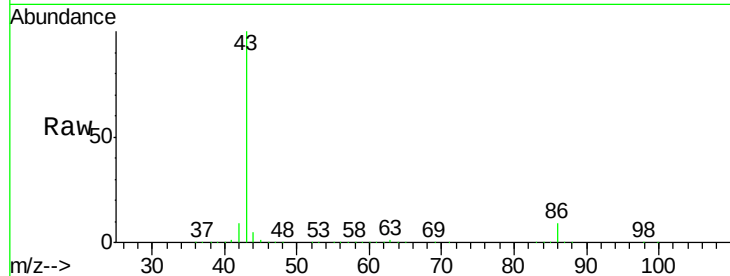
86 8.6 7.0 10.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1000000

800000

600000

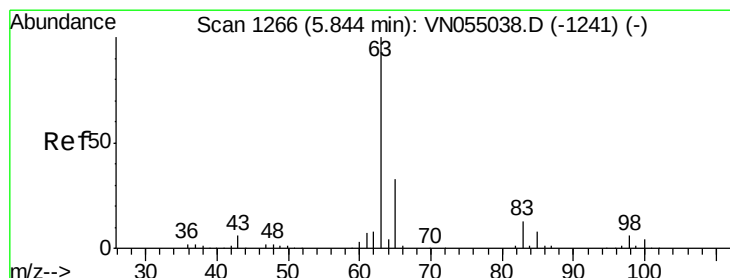
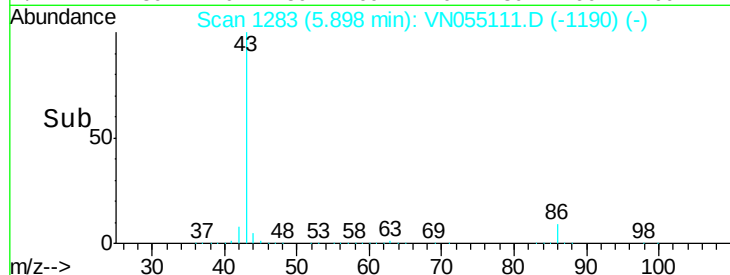
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 49.062 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

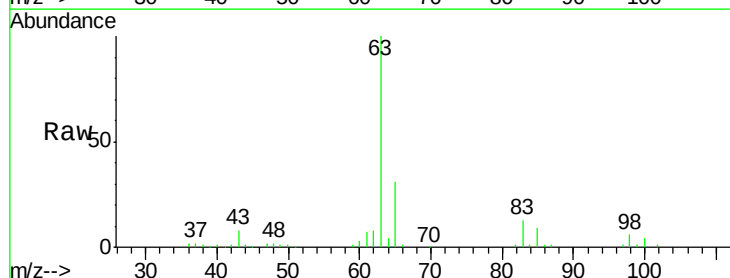
Tgt Ion: 63 Resp: 397502

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 3.8 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

150000

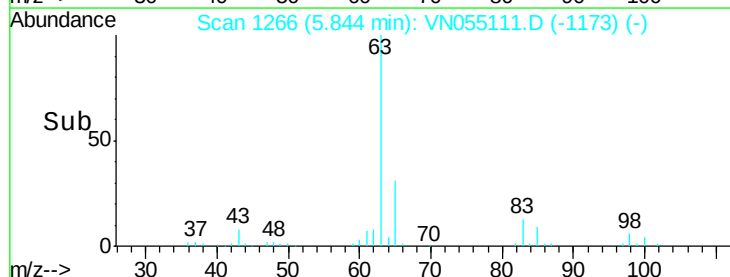
100000

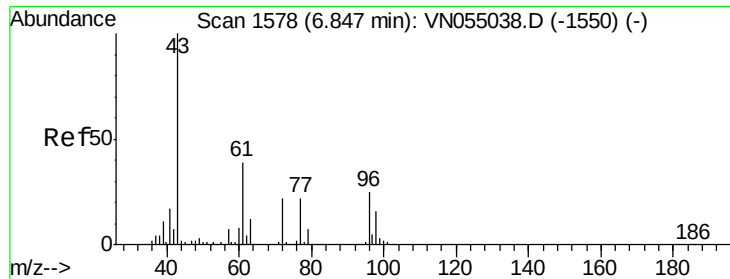
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 287.616 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 589970

Ion Ratio Lower Upper

43 100

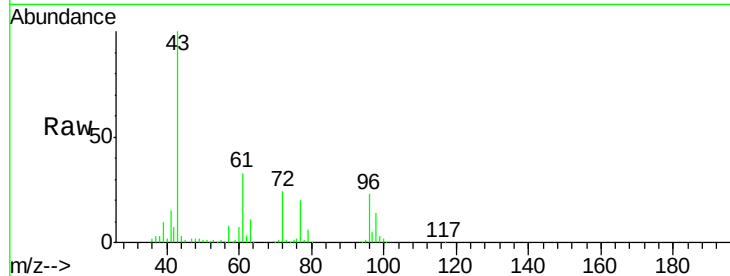
72 23.7 18.1 27.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

200000

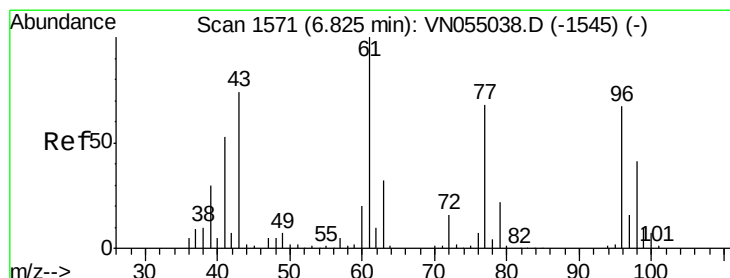
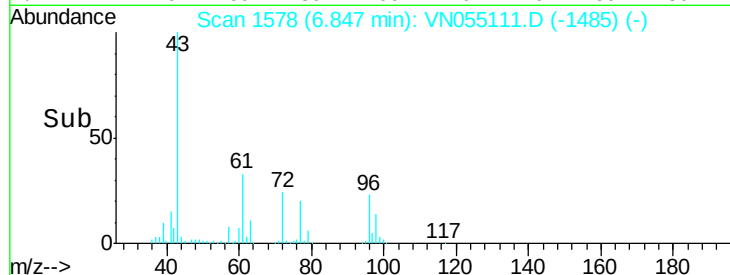
150000

100000

50000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 51.572 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055111.D

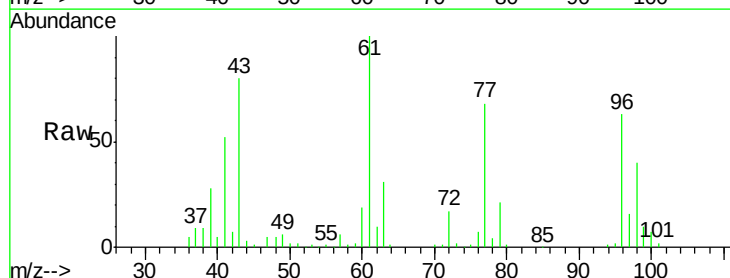
Acq: 17 Apr 2019 17:29

Tgt Ion: 77 Resp: 263724

Ion Ratio Lower Upper

77 100

97 23.6 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

100000

80000

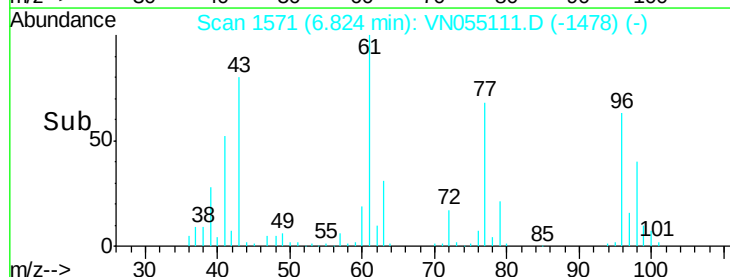
60000

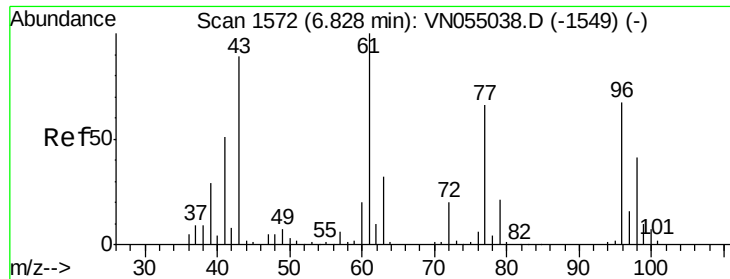
40000

20000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 49.480 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

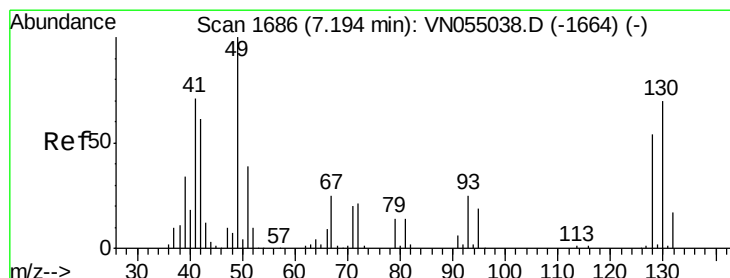
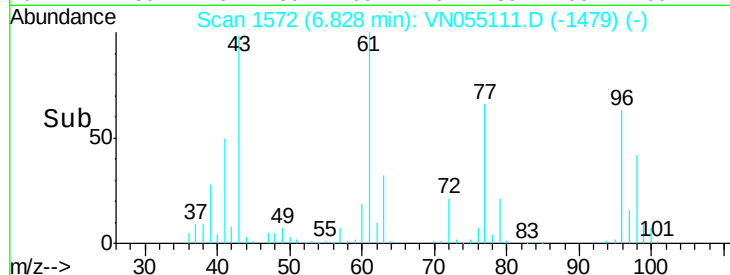
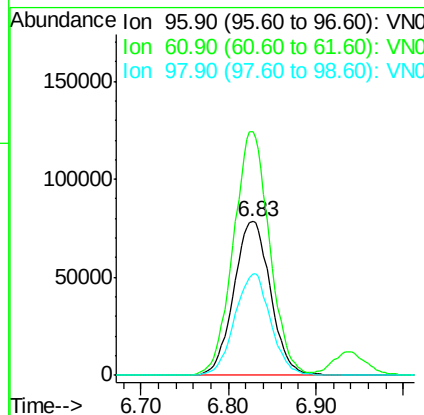
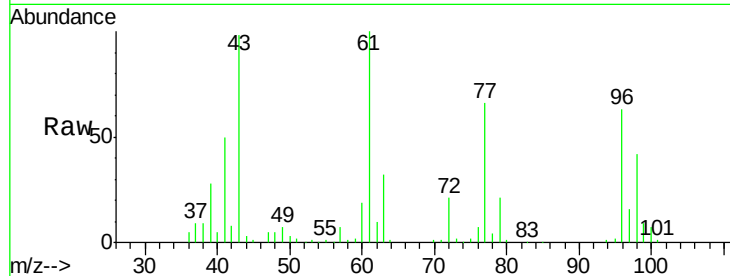
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	228917
Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	311.0
98	64.7	0.0	127.4

Manual Integrations
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MMDadoda
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#28

Bromochloromethane

Concen: 47.450 ug/l

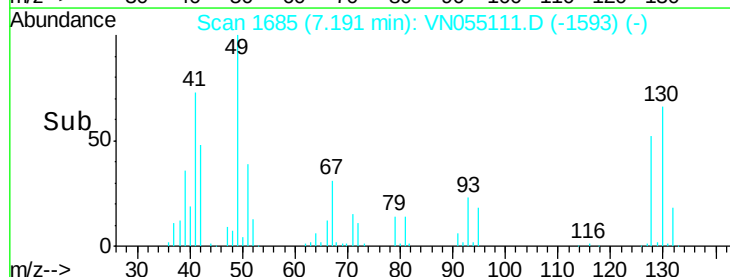
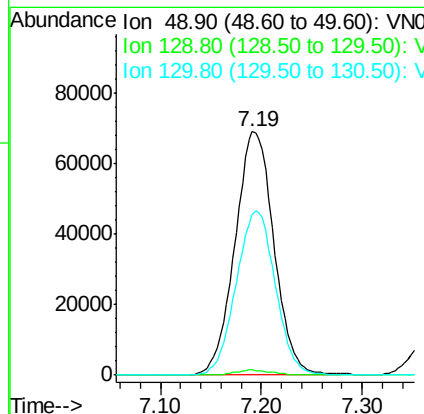
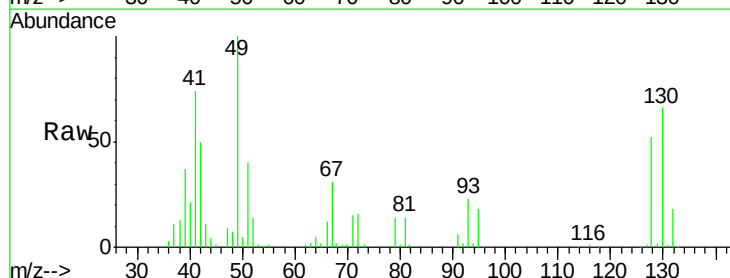
RT: 7.19 min Scan# 1685

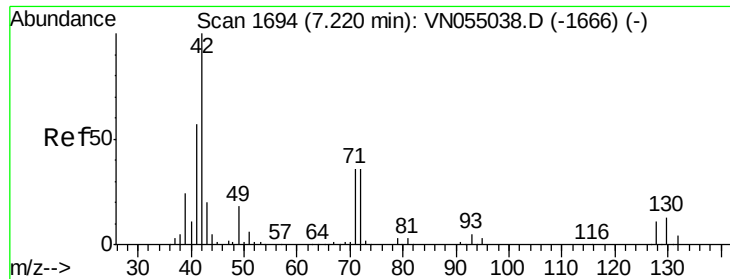
Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Tgt Ion:	49	Resp:	185318
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.0
130	68.0	53.4	80.2





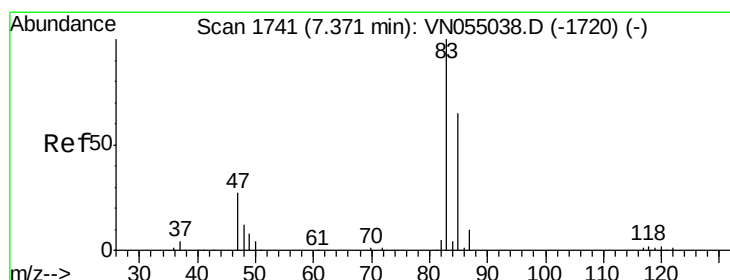
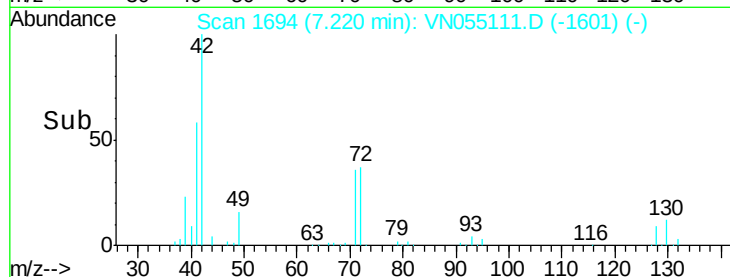
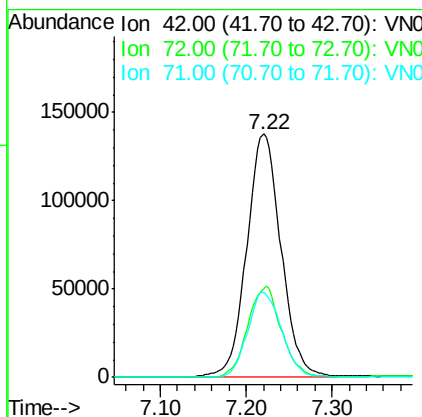
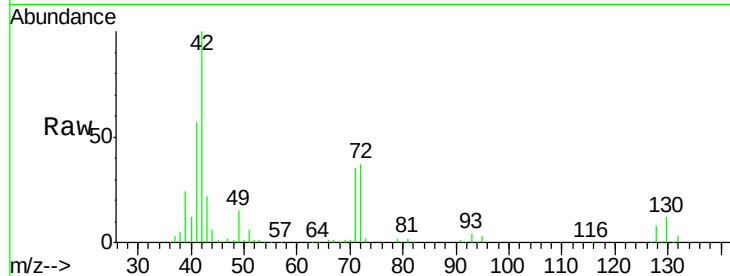
#29
Tetrahydrofuran
Concen: 282.953 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	29.4	44.0
71	35.0	27.8	41.6

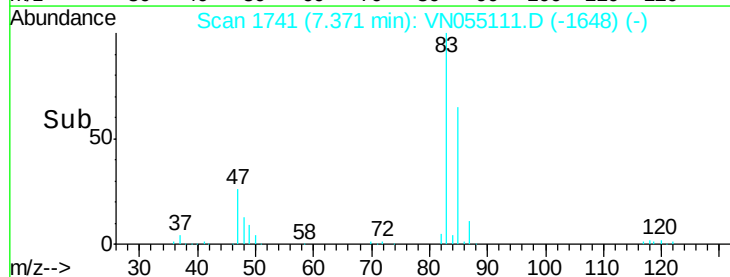
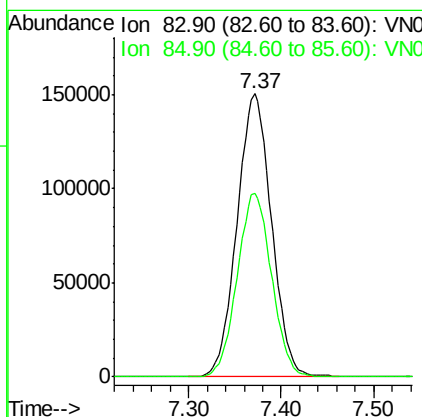
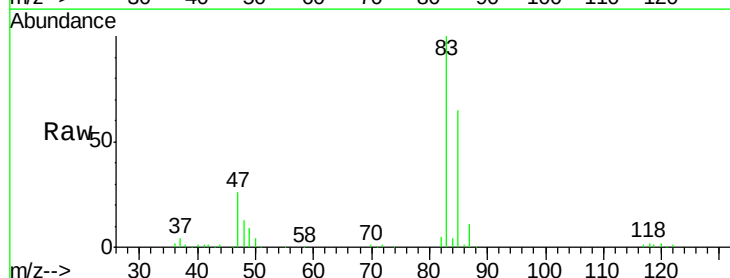
Manual Integrations
APPROVED

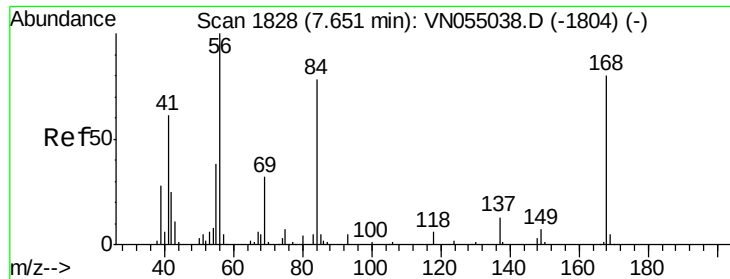
MMDadoda
4/19/2019 12:21:37 PM



#30
Chloroform
Concen: 49.254 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.6





#31

Cyclohexane

Concen: 50.087 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 358757

Ion Ratio Lower Upper

56 100

69 29.9 24.5 36.7

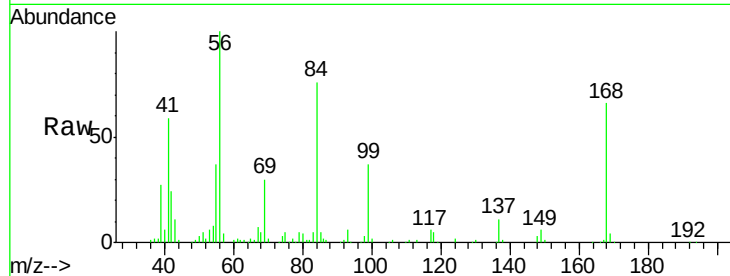
84 74.7 62.9 94.3

Manual Integrations

APPROVED

MMDadoda

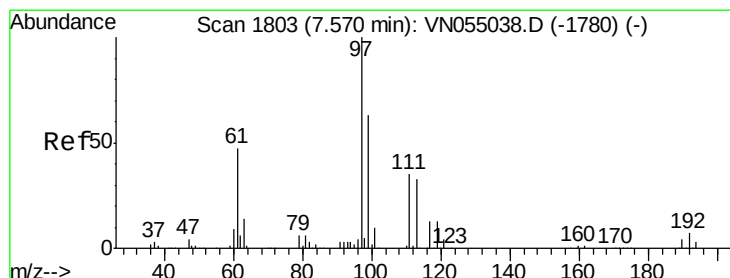
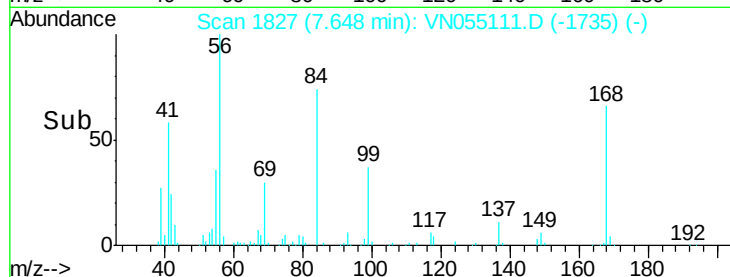
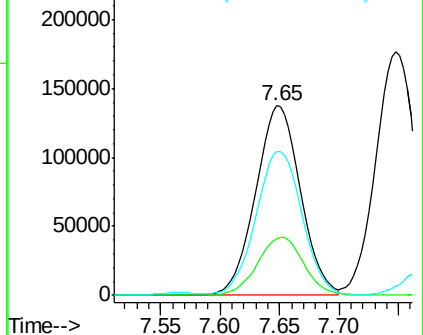
4/19/2019 12:21:37 PM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 49.946 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

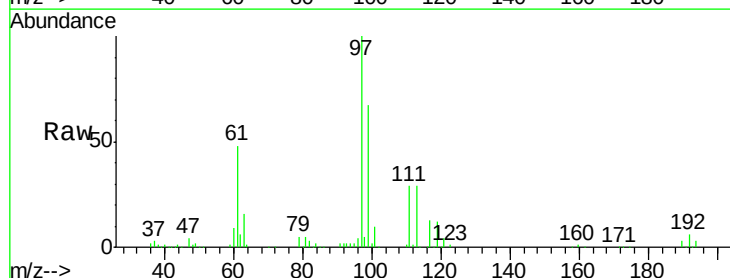
Tgt Ion: 97 Resp: 311418

Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

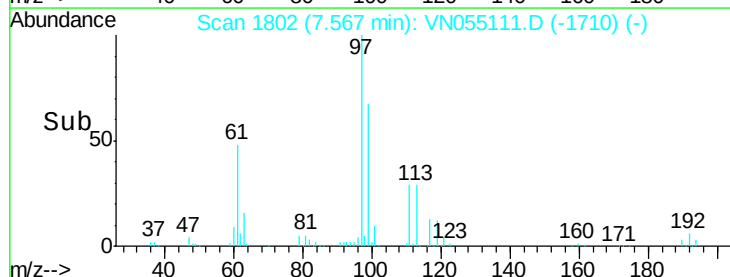
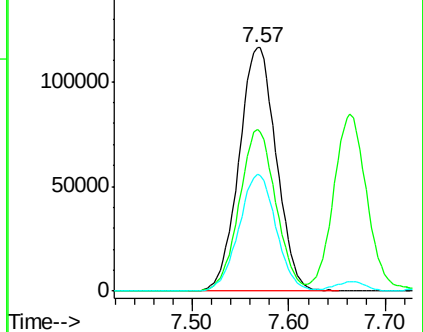
61 47.7 38.3 57.5

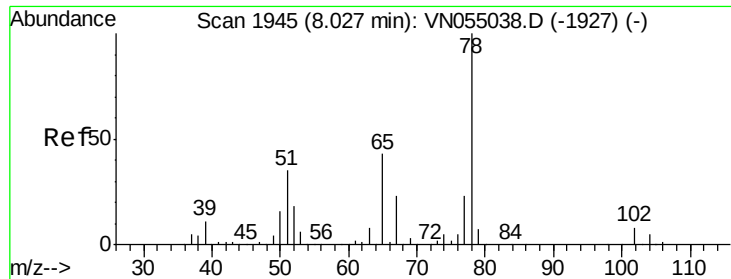


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





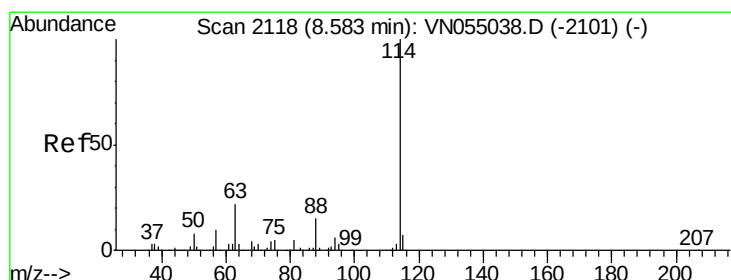
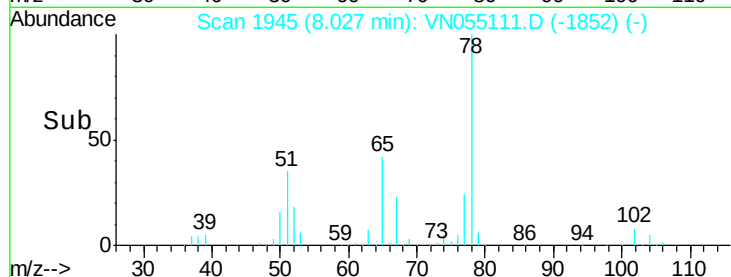
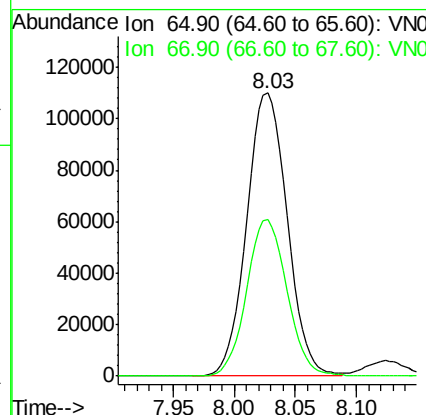
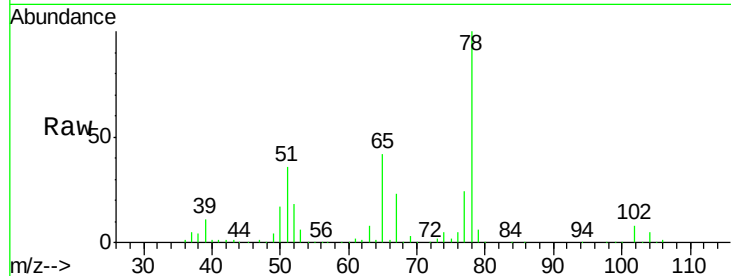
#33
 1,2-Dichloroethane-d4
 Concen: 49.958 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	252973		
67	55.0	0.0	106.4	

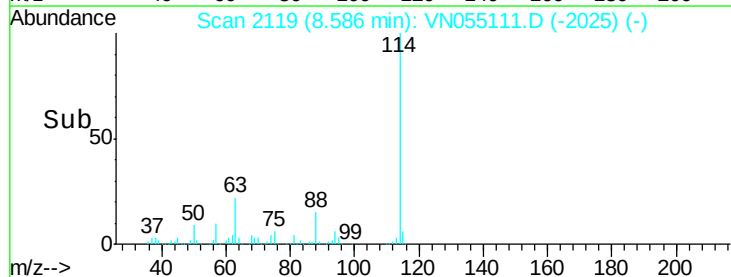
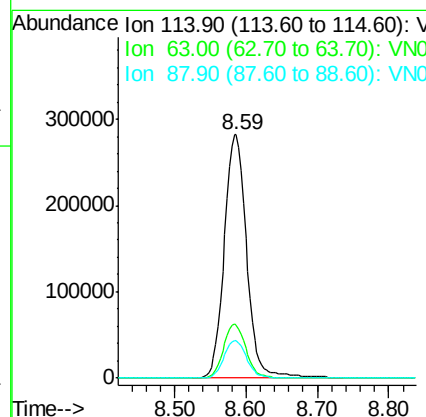
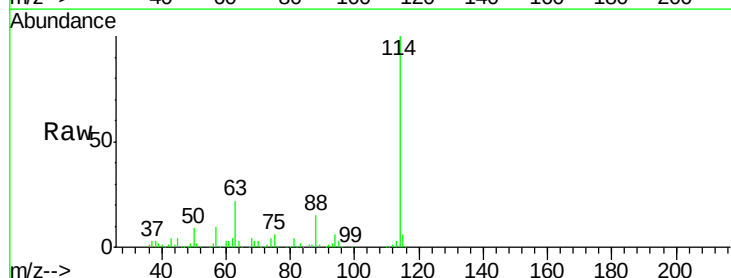
Manual Integrations
 APPROVED

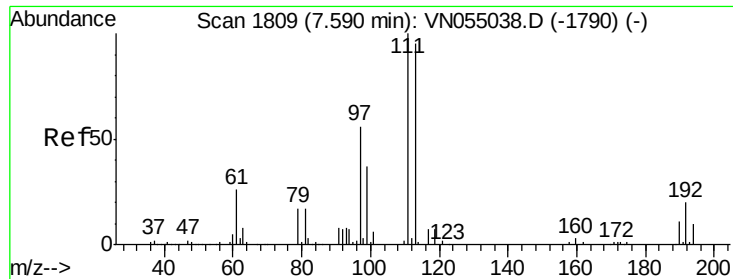
MMDadoda
 4/19/2019 12:21:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	615294		
63	21.7	0.0	45.2	
88	15.3	0.0	31.8	





#35

Dibromofluoromethane

Concen: 50.471 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

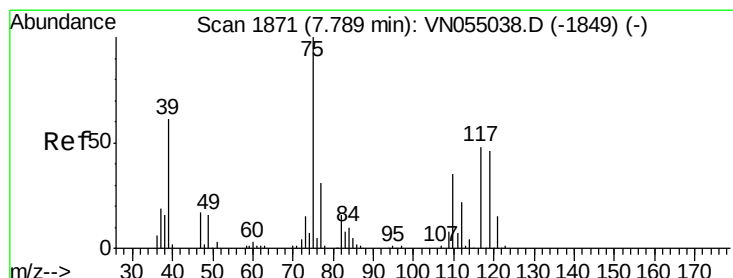
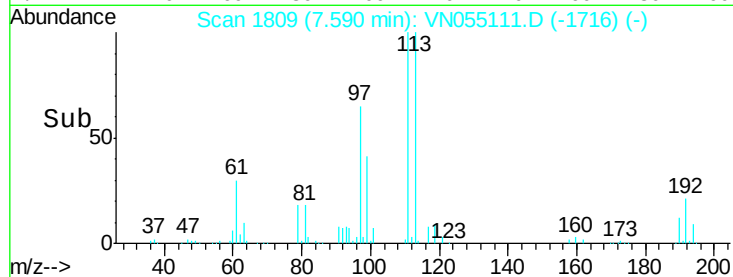
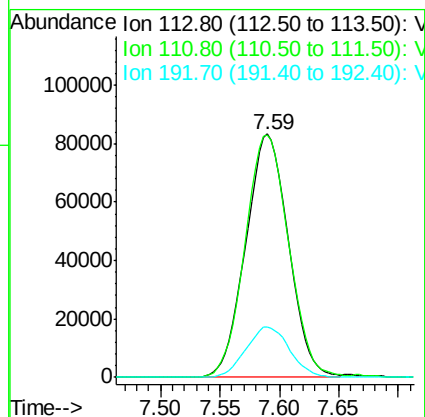
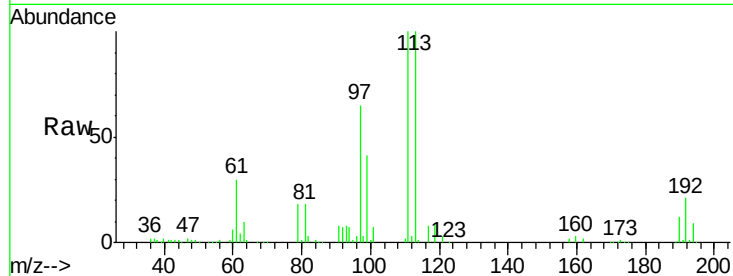
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	207540
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.1	123.1
192	21.0	16.5	24.7

Manual Integrations
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4/19/2019 12:21:37 PM



#36

1,1-Dichloropropene

Concen: 48.485 ug/l

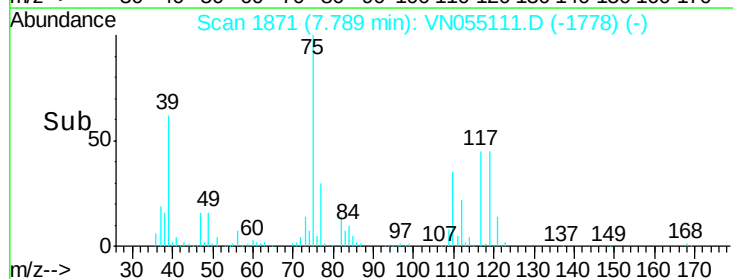
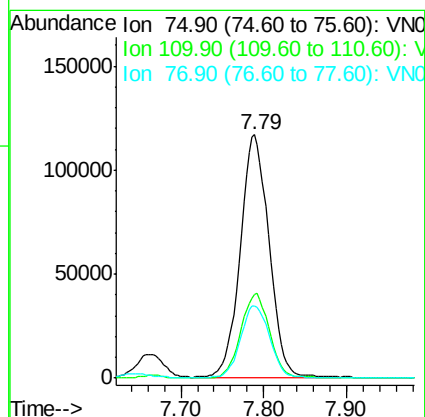
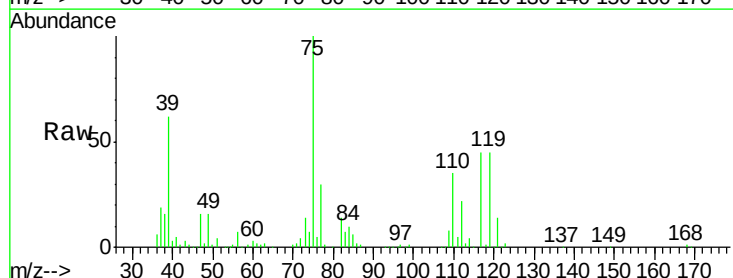
RT: 7.79 min Scan# 1871

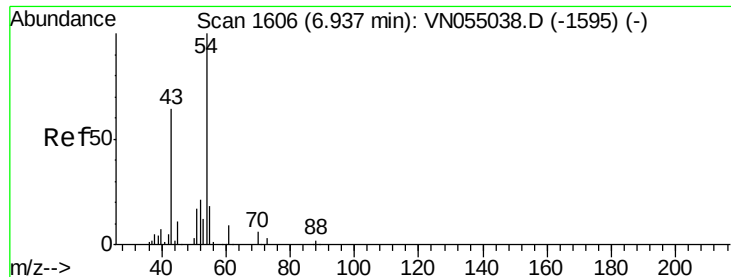
Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Tgt Ion:	75	Resp:	281229
Ion Ratio	Lower	Upper	
75	100		
110	35.0	17.5	52.5
77	30.7	24.9	37.3





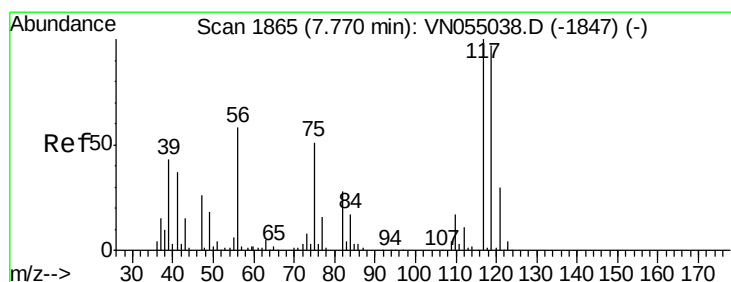
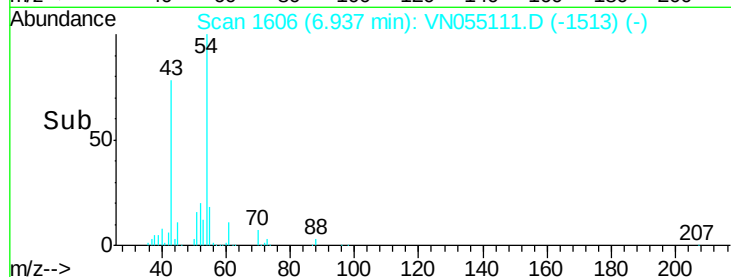
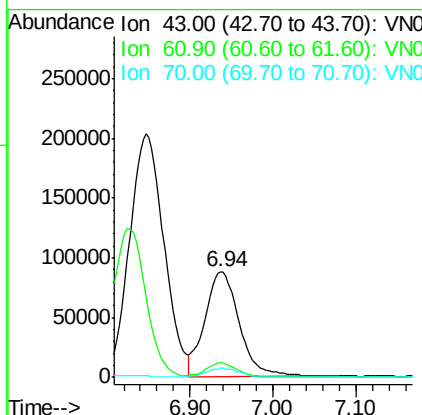
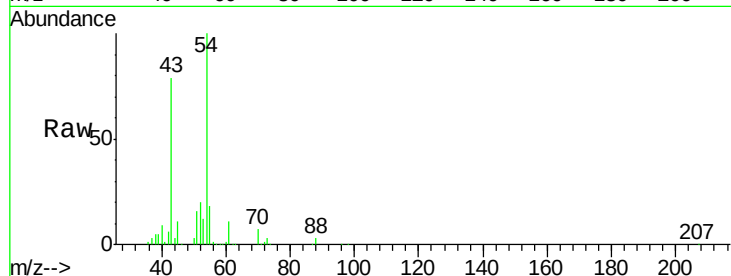
#37
Ethyl Acetate
Concen: 53.855 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.0	15.0
70	8.7	7.1	10.7

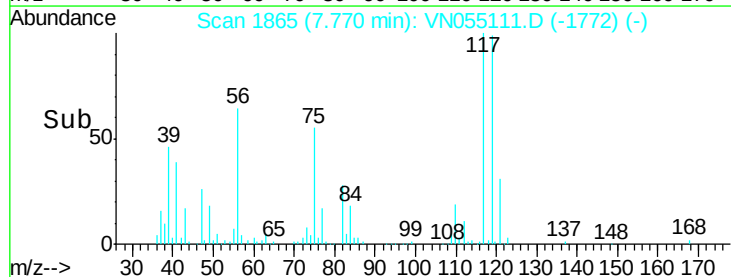
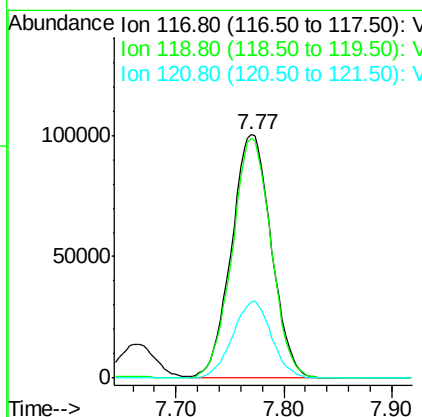
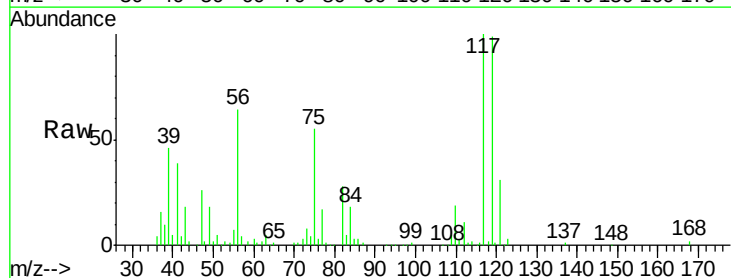
Manual Integrations
APPROVED

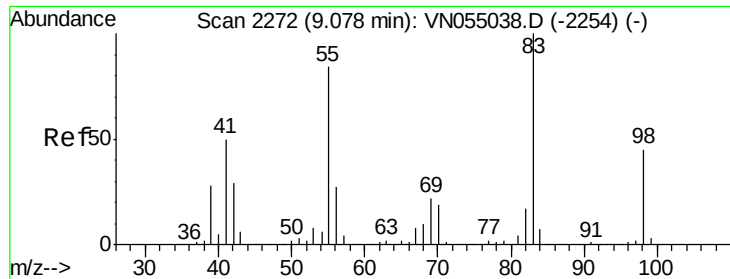
MMDadoda
4/19/2019 12:21:37 PM



#38
Carbon Tetrachloride
Concen: 46.800 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	76.3	114.5
121	31.1	23.9	35.9





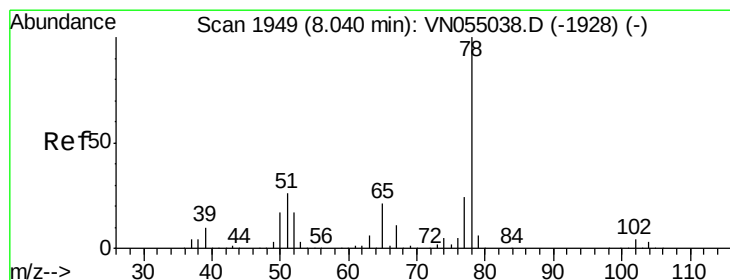
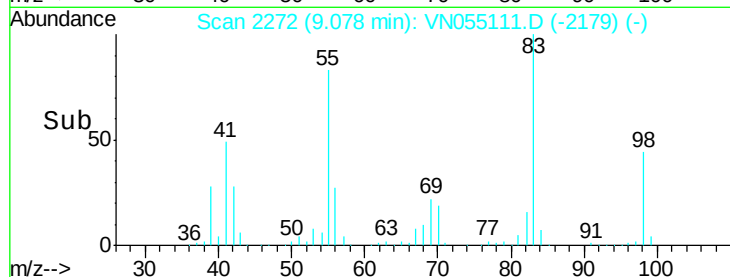
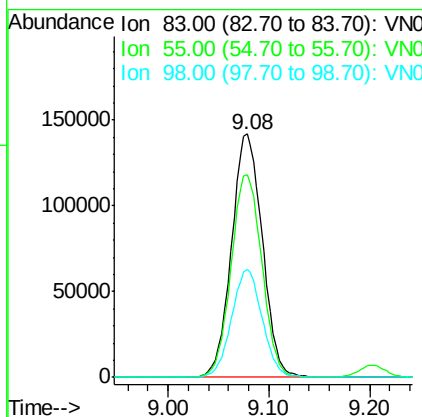
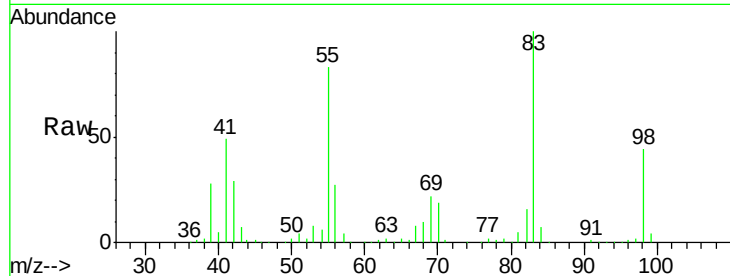
#39
Methylvlcyclohexane
Concen: 47.971 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	301515
Ion Ratio	Lower	Upper	
83	100		
55	83.0	67.0	100.4
98	44.4	35.6	53.4

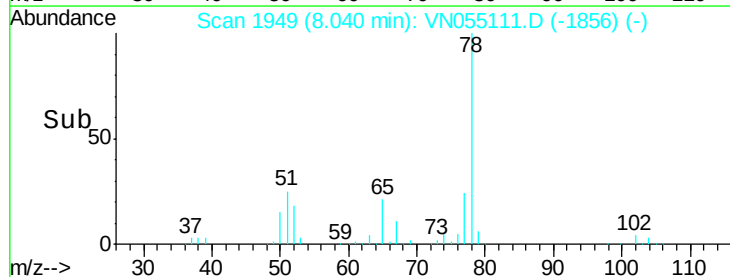
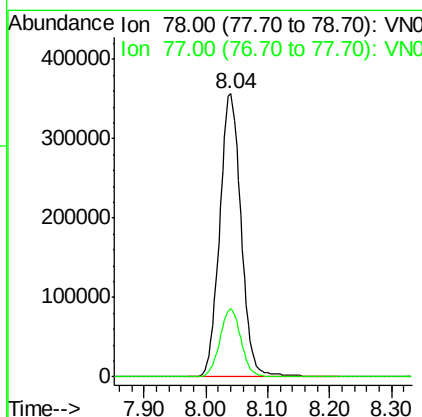
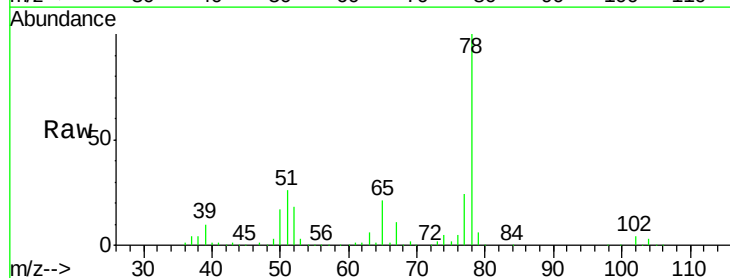
Manual Integrations
APPROVED

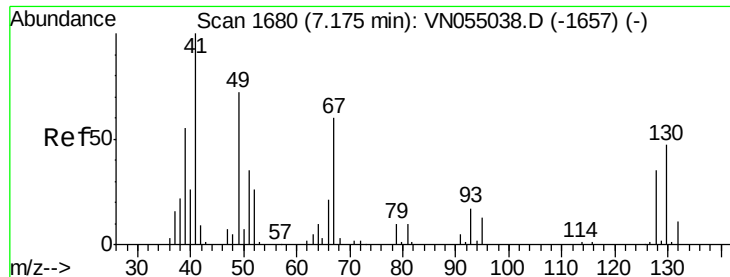
MMDadoda
4/19/2019 12:21:37 PM



#40
Benzene
Concen: 49.117 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion	78	Resp	858627
Ion Ratio	Lower	Upper	
78	100		
77	24.0	18.8	28.2





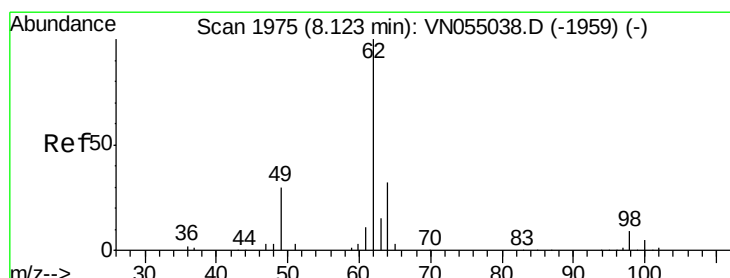
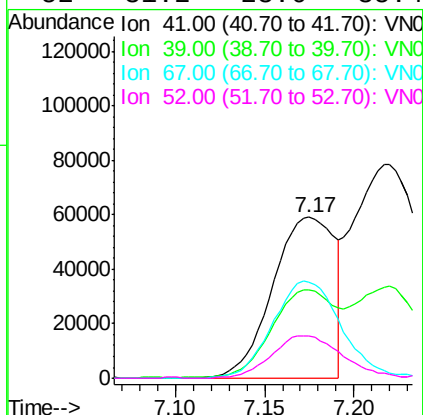
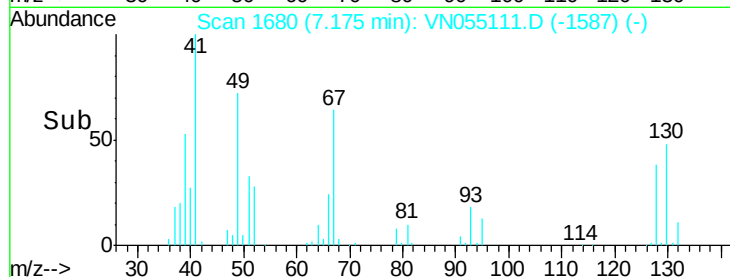
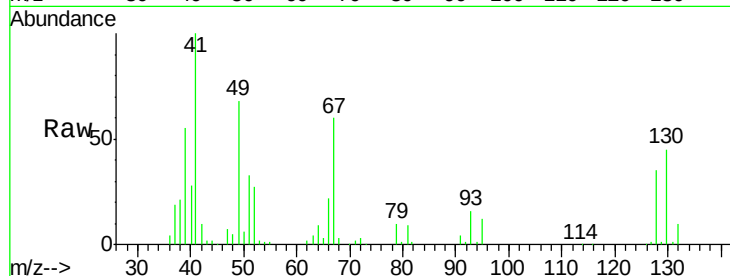
#41
Methacrylonitrile
Concen: 53.939 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.8	45.6	68.4	
67	68.1	57.0	85.6	
52	31.2	23.6	35.4	

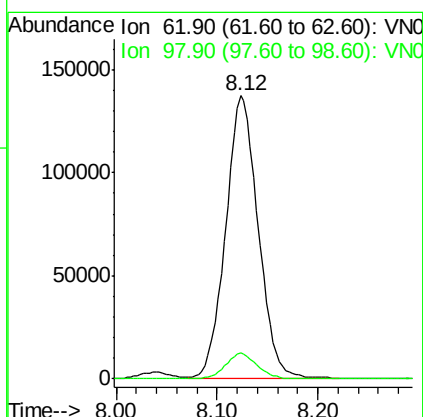
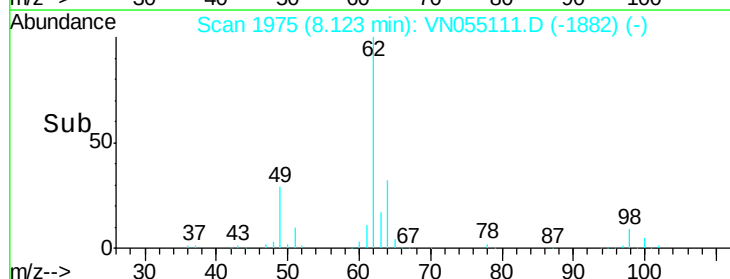
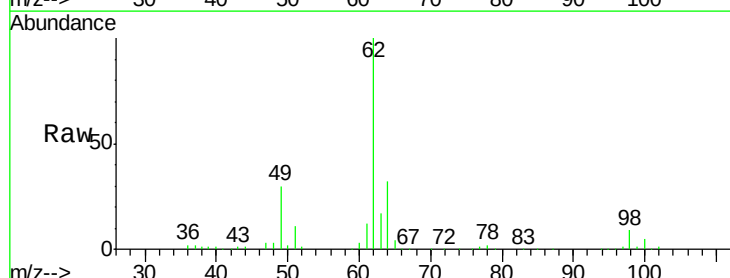
Manual Integrations
APPROVED

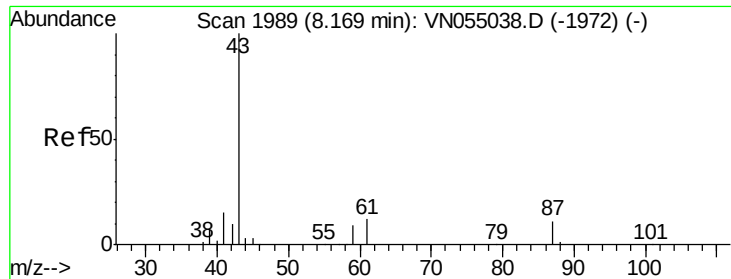
MMDadoda
4/19/2019 12:21:37 PM



#42
1,2-Dichloroethane
Concen: 50.565 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.4	





#43

Isopropyl Acetate

Concen: 56.729 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

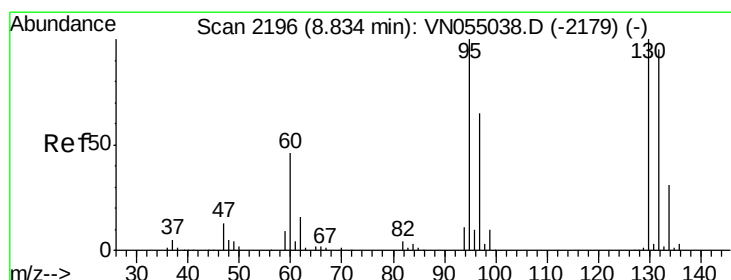
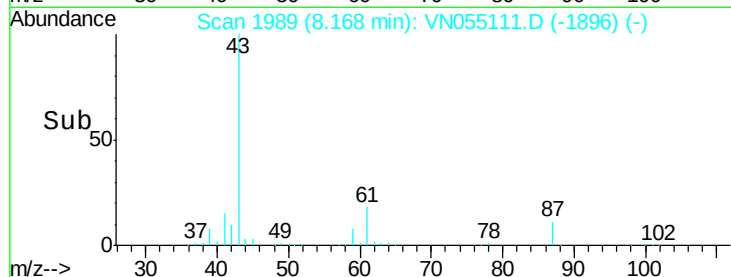
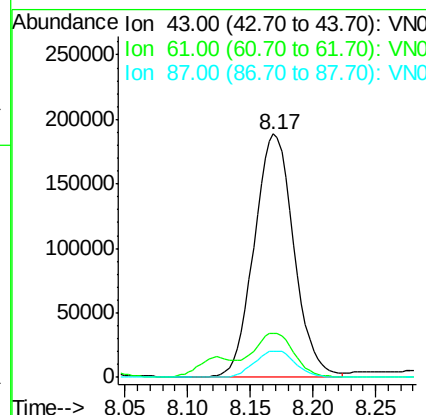
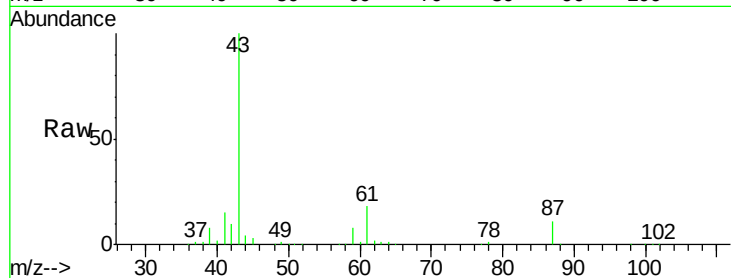
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	412771
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.3	21.5
87	11.3	8.6	13.0

Manual Integrations
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#44

Trichloroethene

Concen: 49.841 ug/l

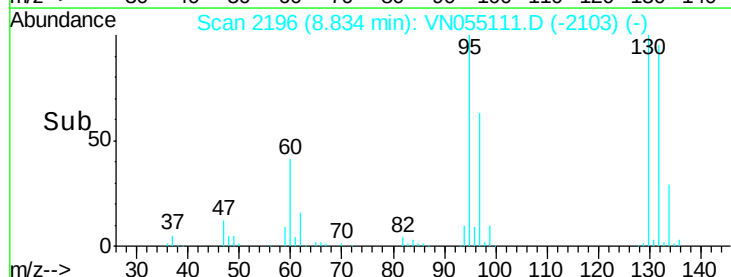
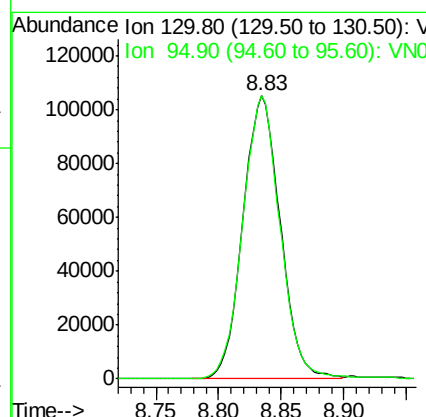
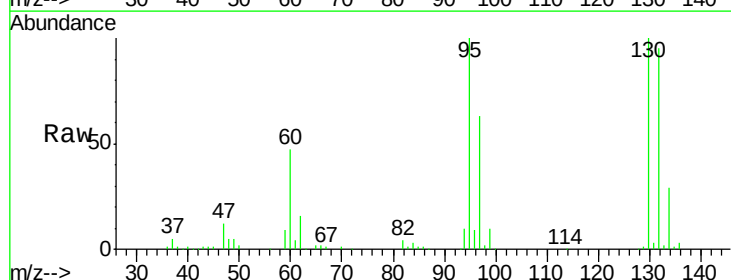
RT: 8.83 min Scan# 2196

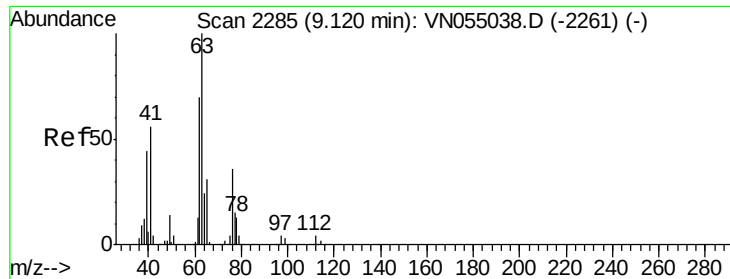
Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Tgt Ion:	130	Resp:	218237
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	201.6





#45

1,2-Dichloropropane

Concen: 50.867 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 247990

Ion Ratio Lower Upper

63 100

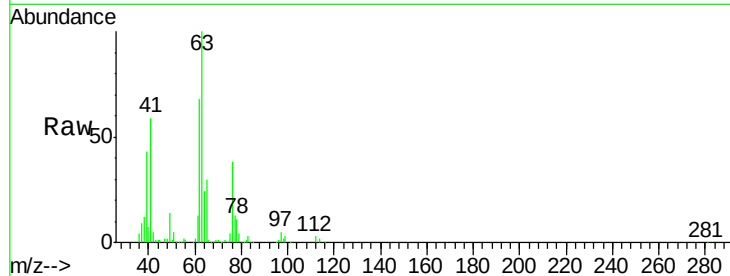
65 30.0 24.4 36.6

Manual Integrations

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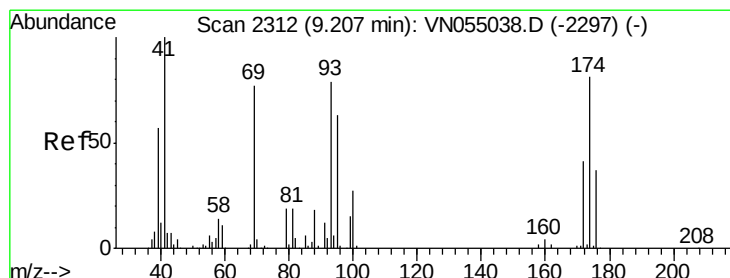
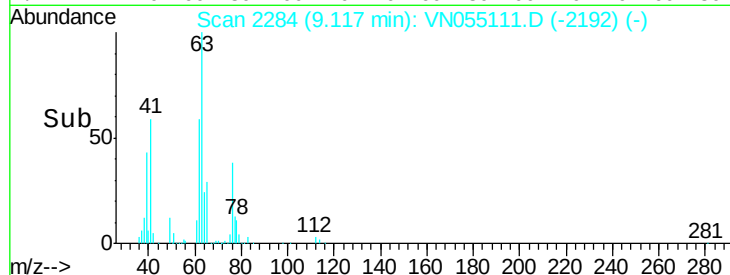
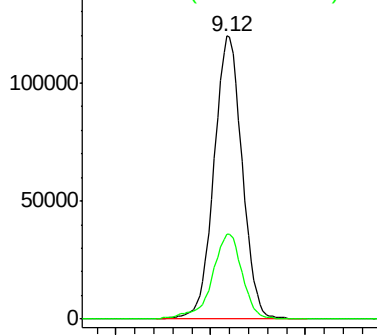
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.067 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

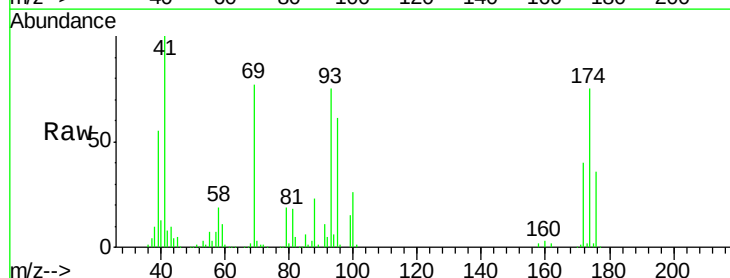
Tgt Ion: 93 Resp: 144484

Ion Ratio Lower Upper

93 100

95 82.5 65.0 97.6

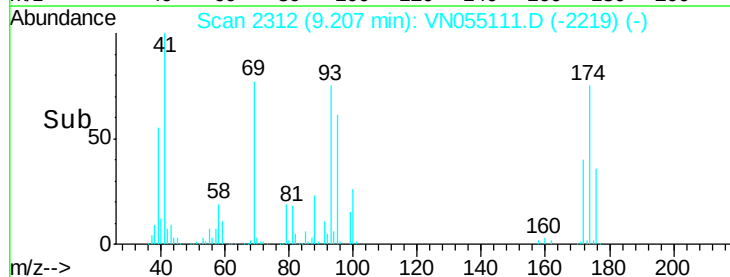
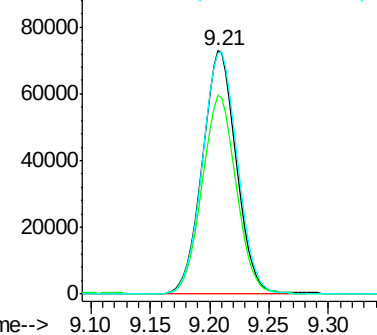
174 102.2 81.0 121.6

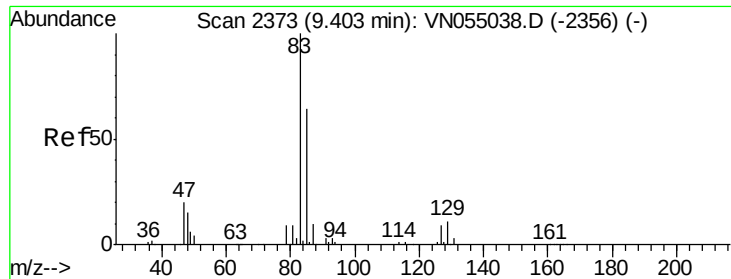


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





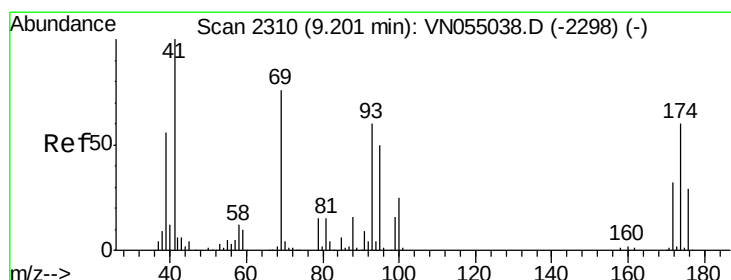
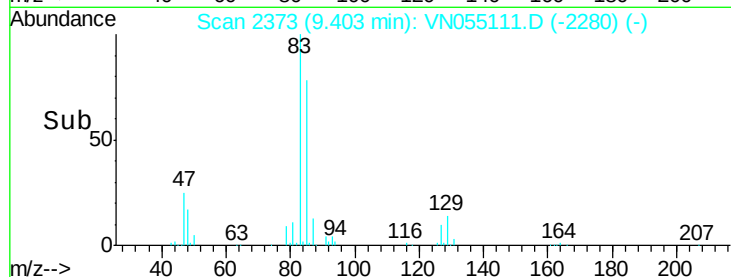
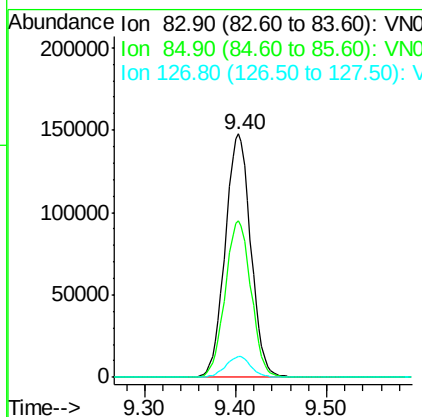
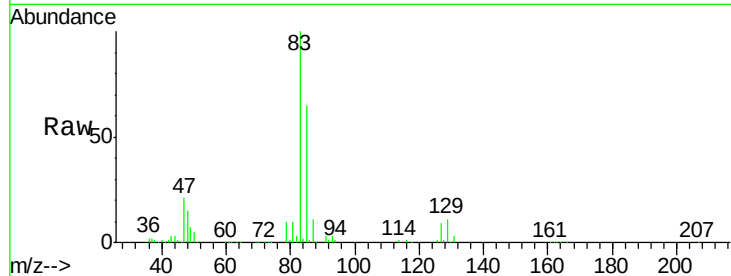
#47
Bromodichloromethane
Concen: 50.308 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	287822		
85	64.5	51.2	76.8	
127	8.6	6.8	10.2	

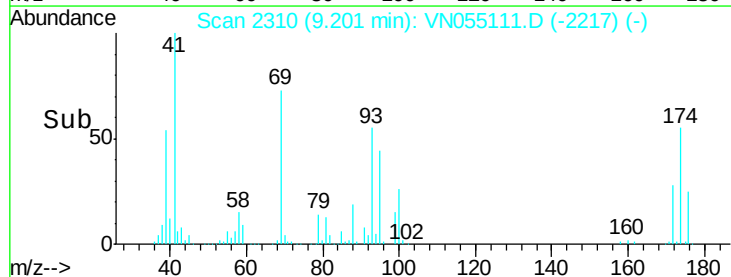
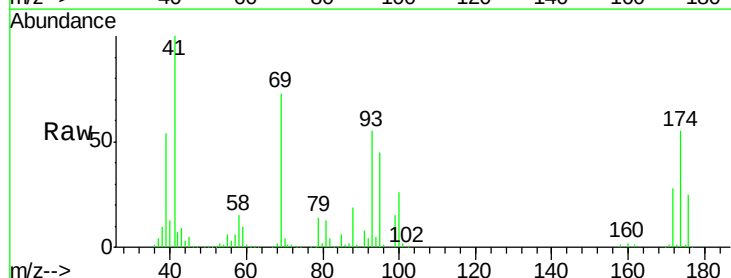
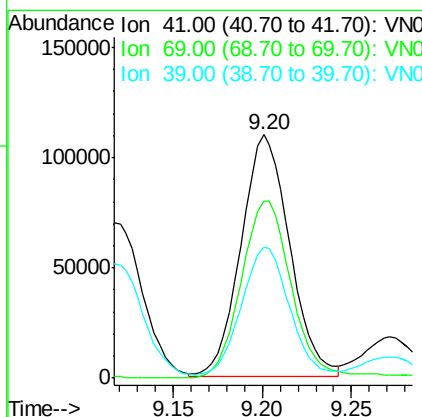
Manual Integrations
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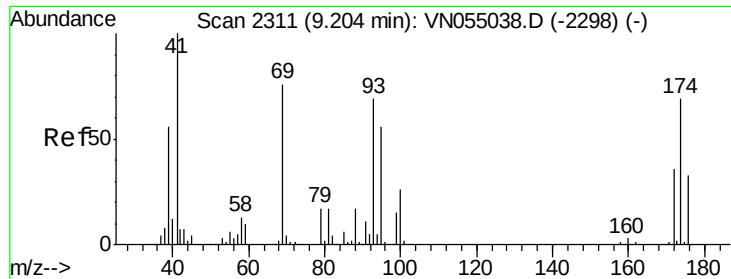
MMDadoda
4/19/2019 12:21:37 PM



#48
Methyl methacrylate
Concen: 58.091 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	209501		
69	74.8	60.5	90.7	
39	53.7	43.9	65.9	





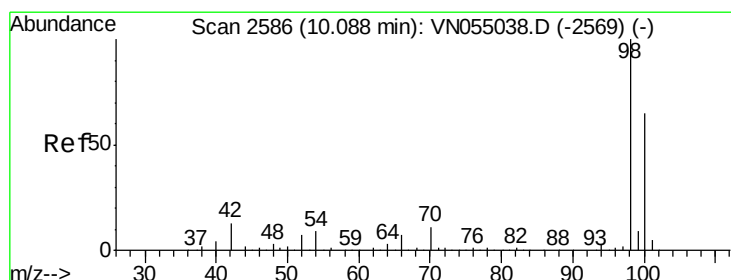
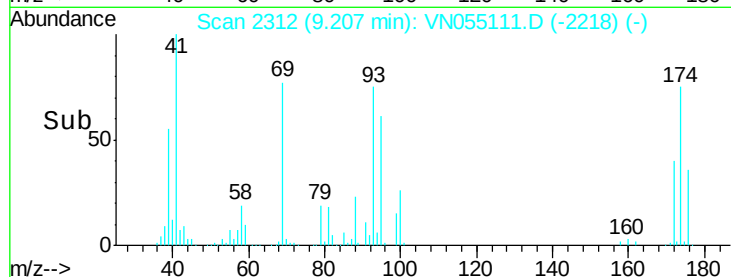
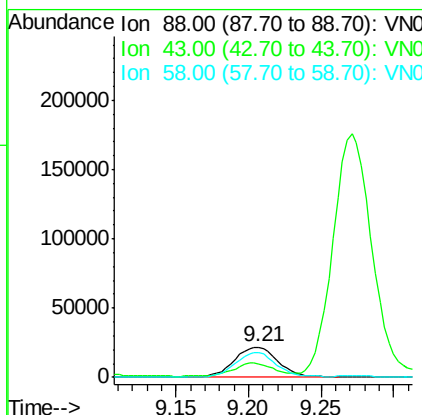
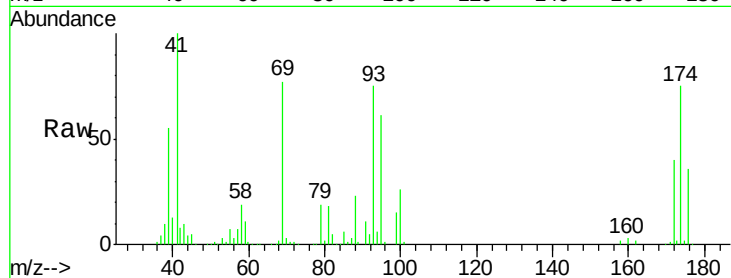
#49
 1,4-Dioxane
 Concen: 1362.277 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	31.8	47.8
58	78.6	61.6	92.4

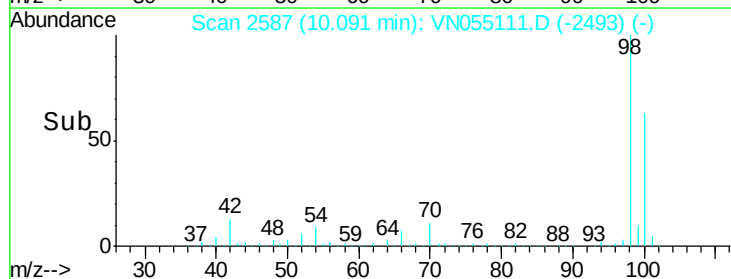
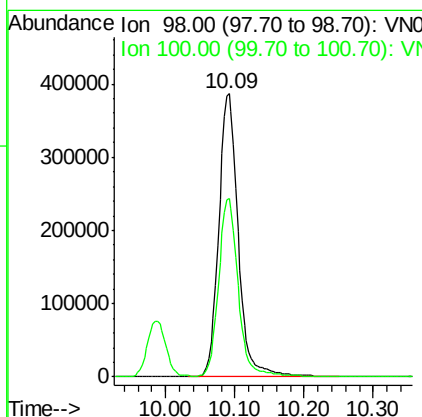
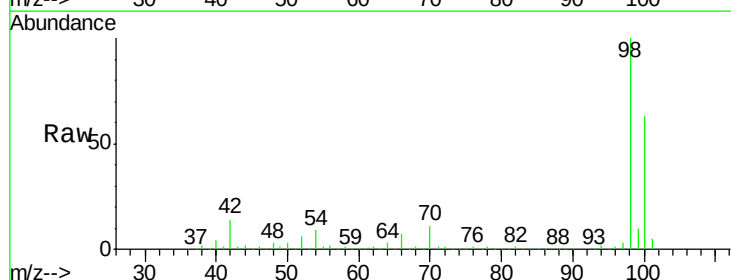
Manual Integrations
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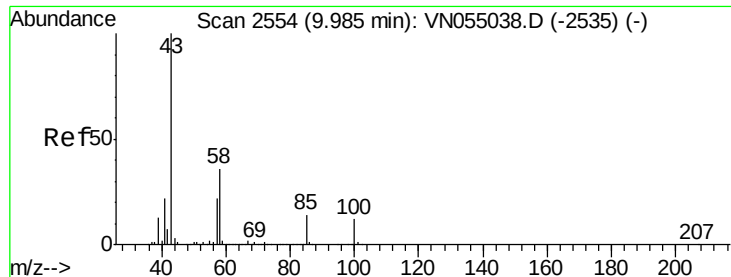
MMDadoda
 4/19/2019 12:21:37 PM



#50
 Toluene-d8
 Concen: 51.330 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.1	76.7





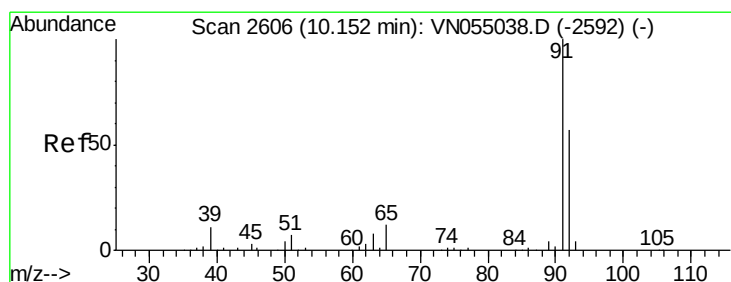
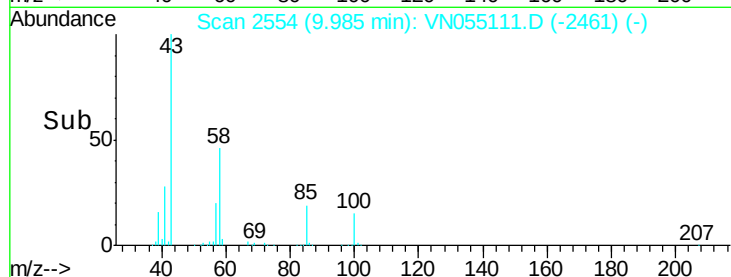
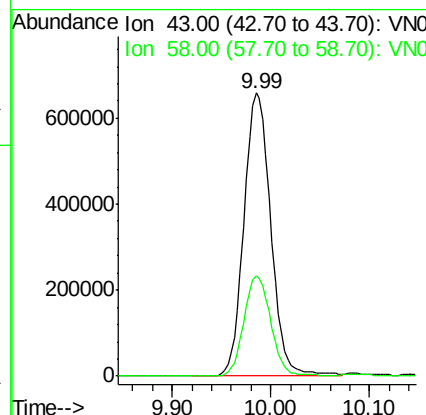
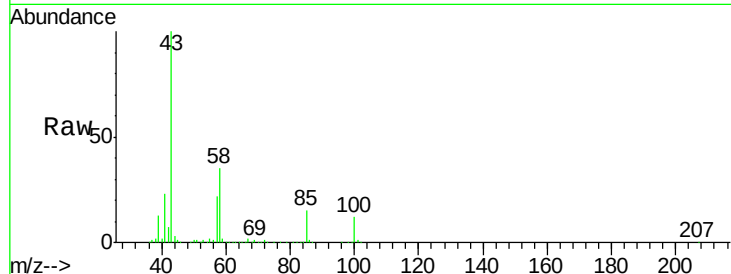
#51
4-Methyl-2-Pentanone
Concen: 294.094 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1236255
Ion Ratio Lower Upper
43 100
58 35.5 29.0 43.4

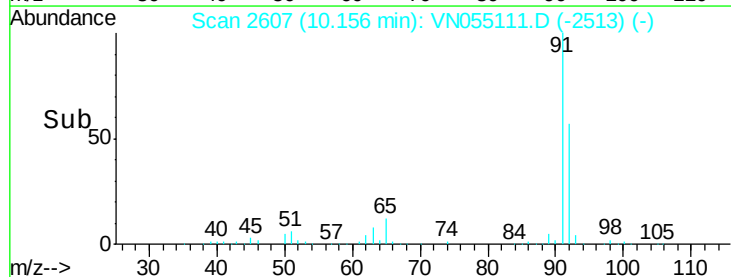
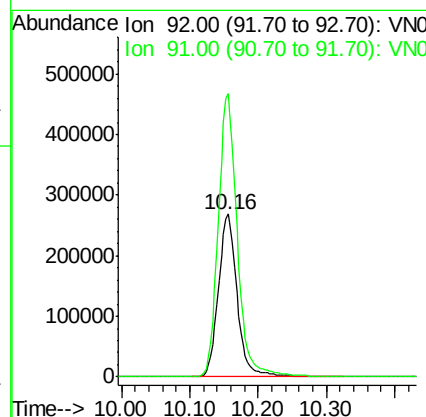
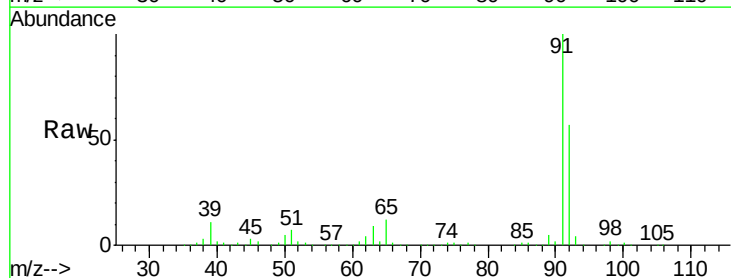
Manual Integrations
APPROVED

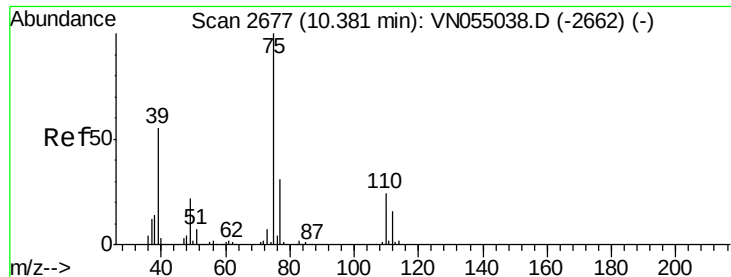
MMDadoda
4/19/2019 12:21:37 PM



#52
Toluene
Concen: 51.481 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion: 92 Resp: 515439
Ion Ratio Lower Upper
92 100
91 176.2 140.8 211.2





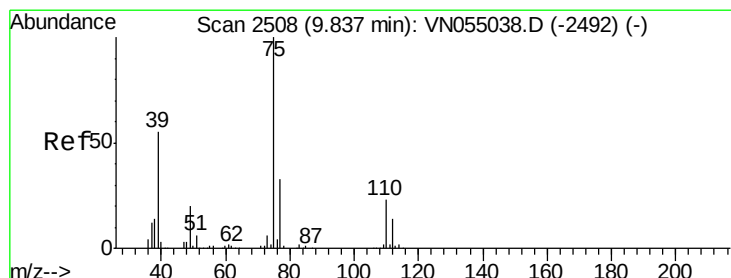
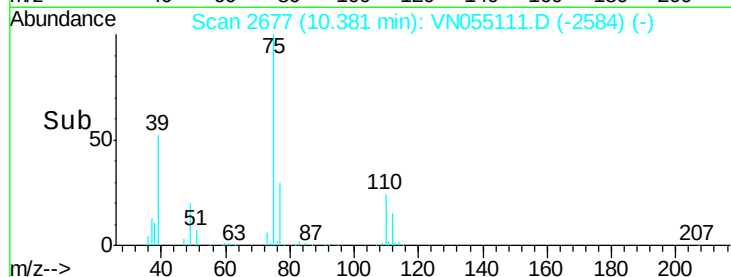
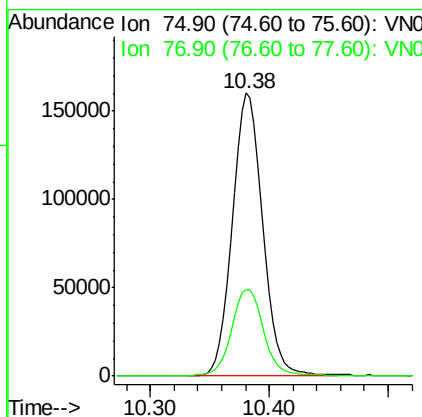
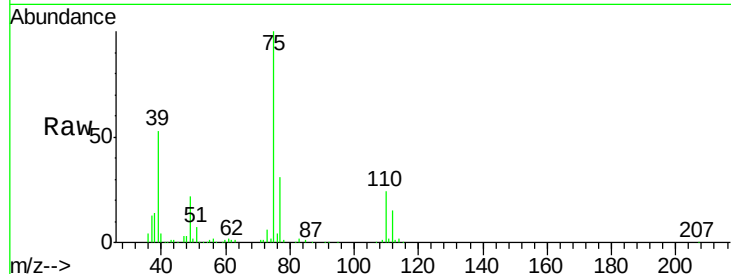
#53
t-1,3-Dichloropropene
Concen: 56.680 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.6	37.0

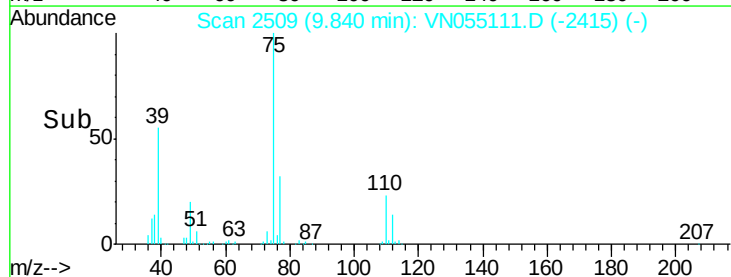
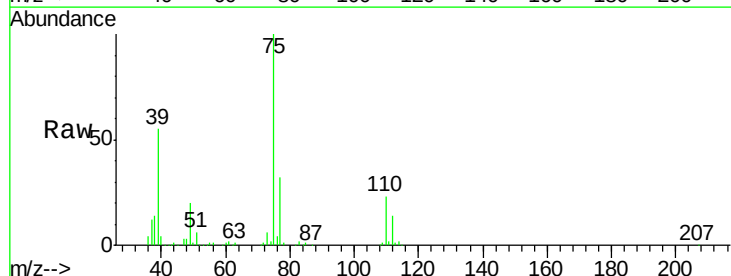
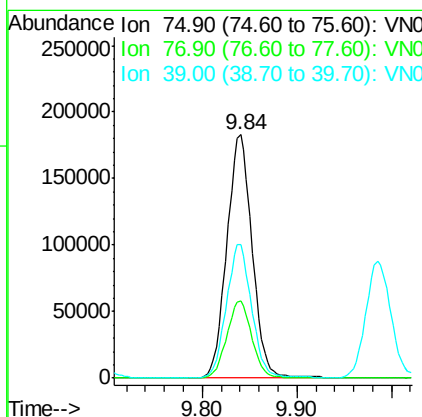
Manual Integrations
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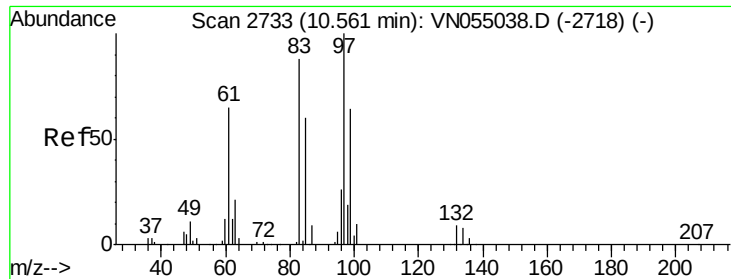
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.921 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.6
39	54.6	43.8	65.8





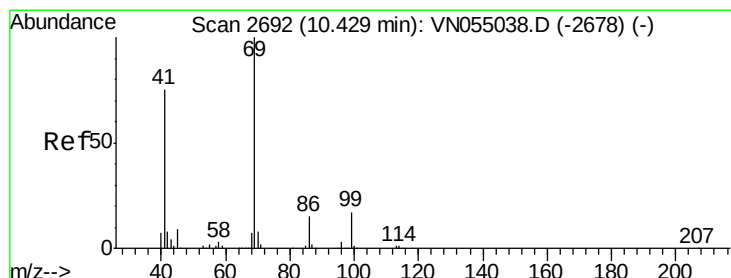
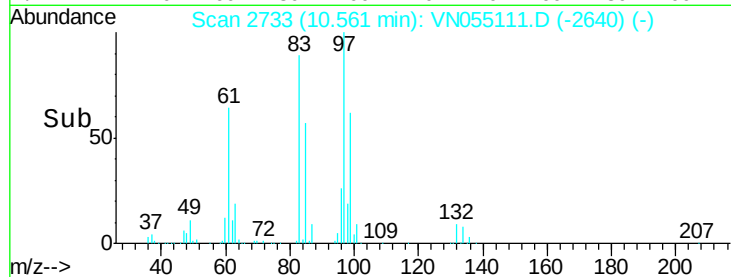
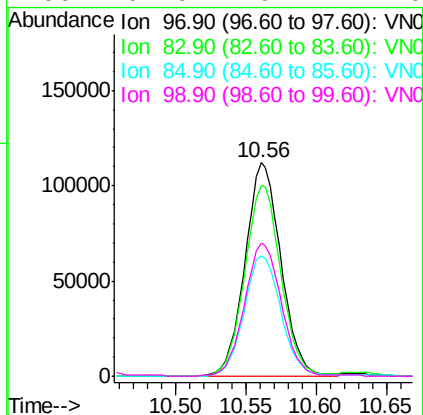
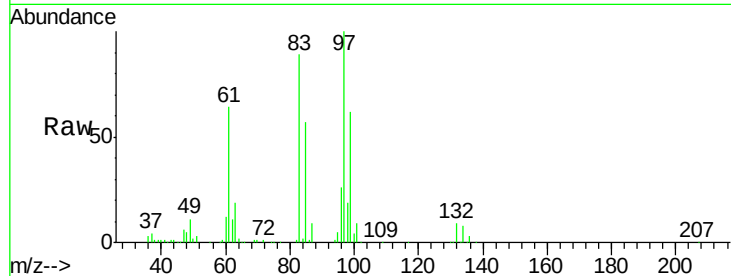
#55
 1,1,2-Trichloroethane
 Concen: 51.902 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	200211
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.5	105.7
85	56.5	45.5	68.3
99	62.0	49.4	74.0

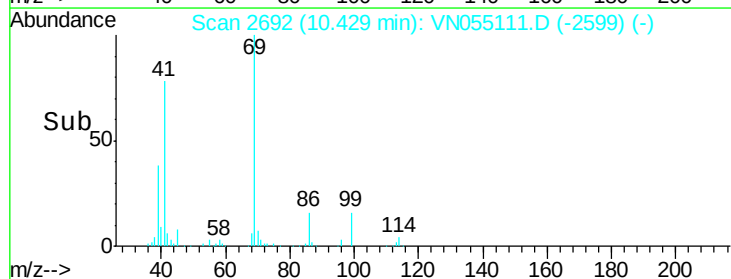
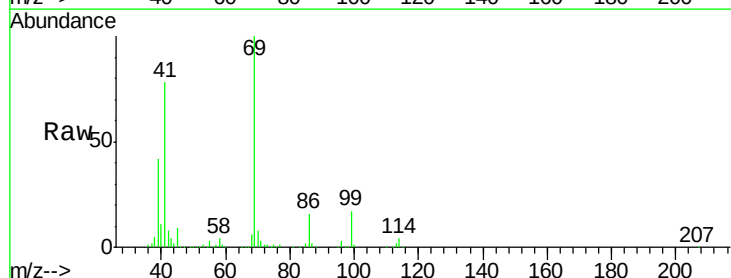
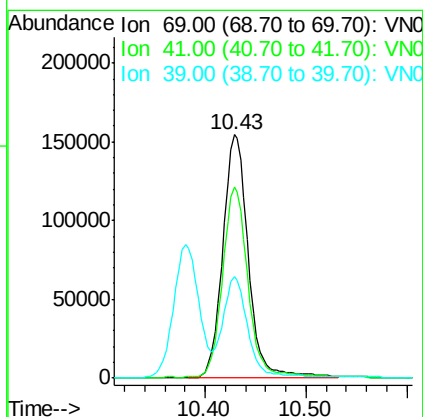
Manual Integrations
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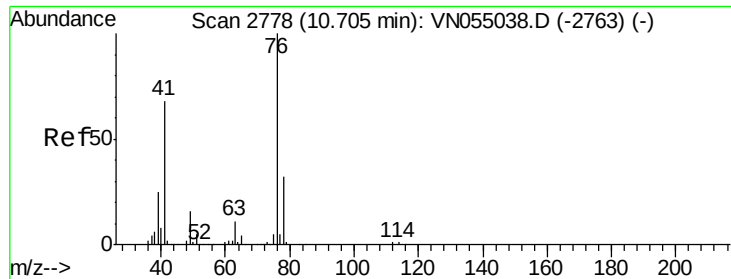
MMDadoda
 4/19/2019 12:21:37 PM



#56
 Ethyl methacrylate
 Concen: 59.426 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Tgt Ion	69	Resp	275112
Ion	Ratio	Lower	Upper
69	100		
41	77.1	61.4	92.0
39	39.1	30.8	46.2





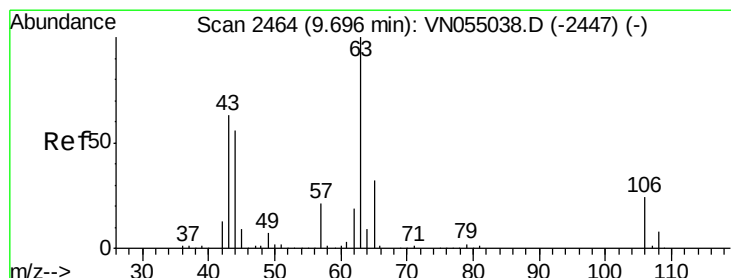
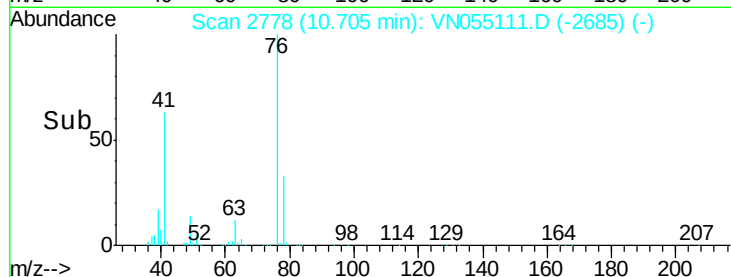
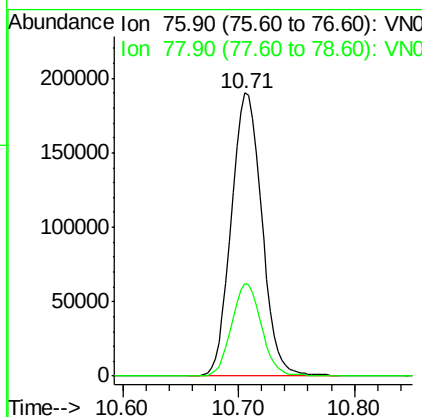
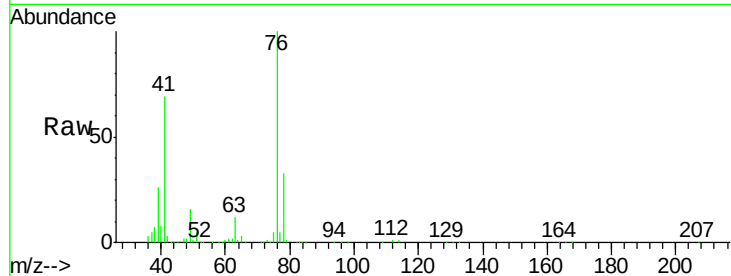
#57
 1,3-Dichloropropane
 Concen: 52.802 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.6	38.4

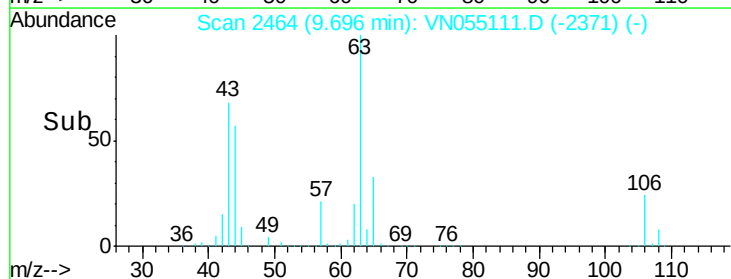
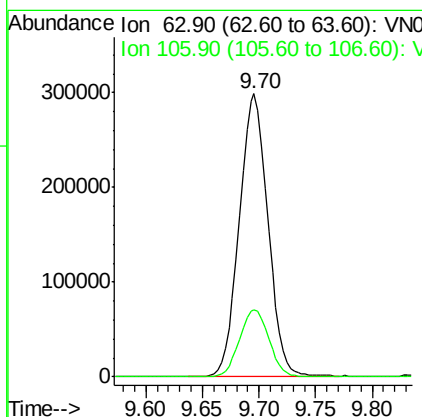
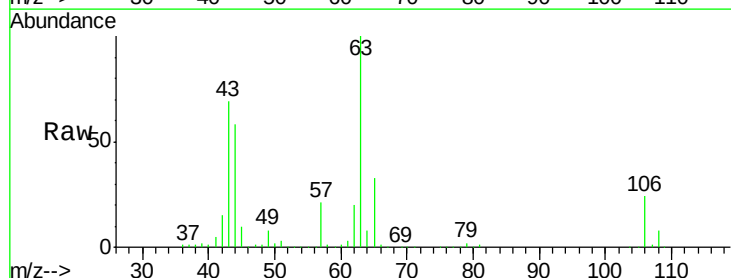
Manual Integrations
 APPROVED

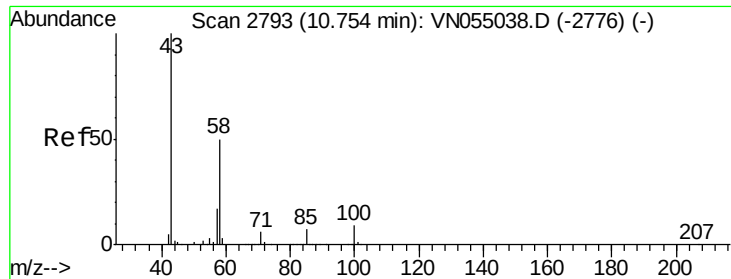
MMDadoda
 4/19/2019 12:21:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.128 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	20.0	30.0





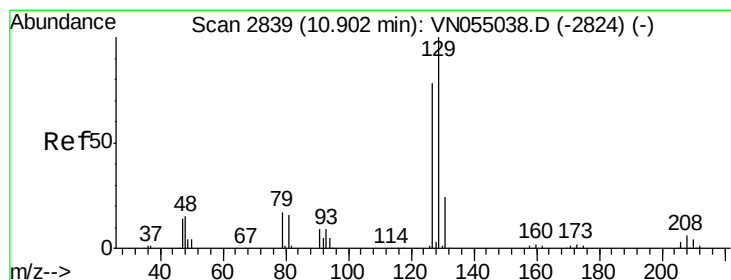
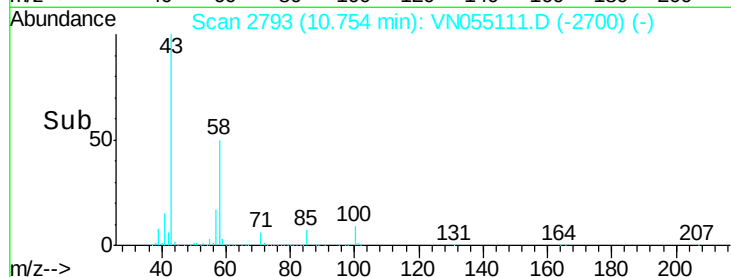
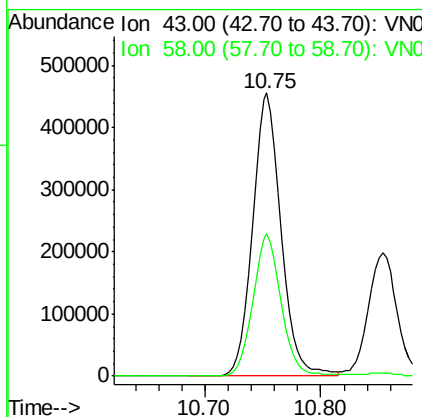
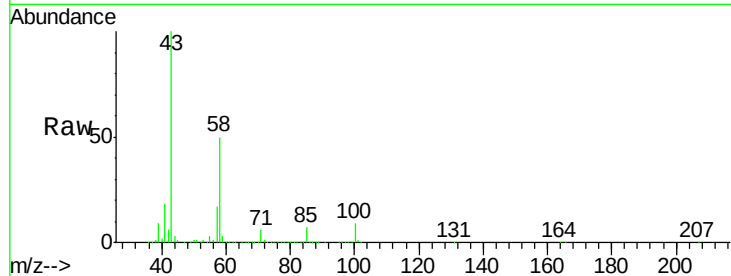
#59
2-Hexanone
Concen: 294.413 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 777325
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.2

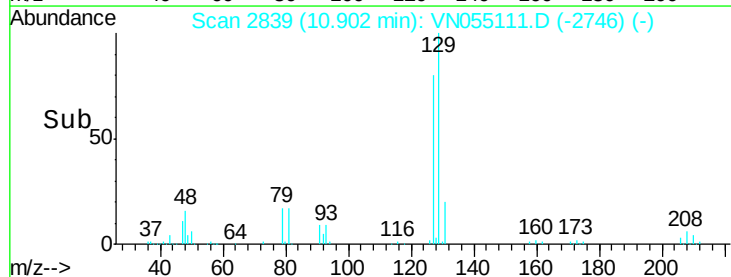
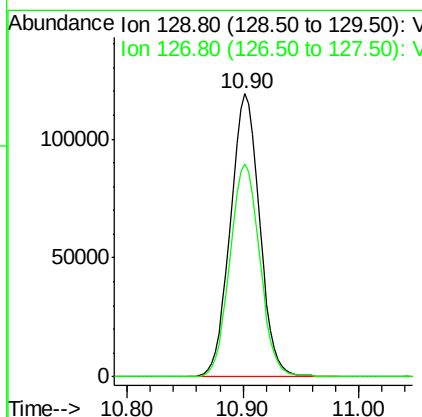
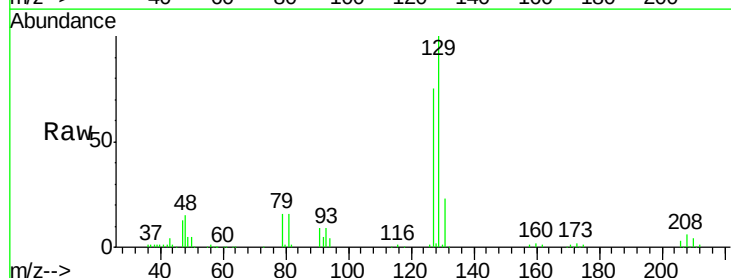
Manual Integrations
APPROVED

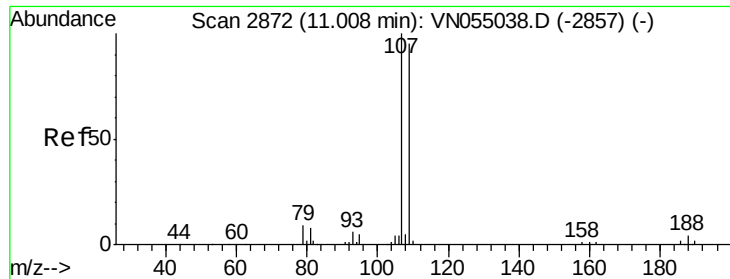
MMDadoda
4/19/2019 12:21:37 PM



#60
Dibromochloromethane
Concen: 55.080 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion: 129 Resp: 207475
Ion Ratio Lower Upper
129 100
127 77.0 38.2 114.6





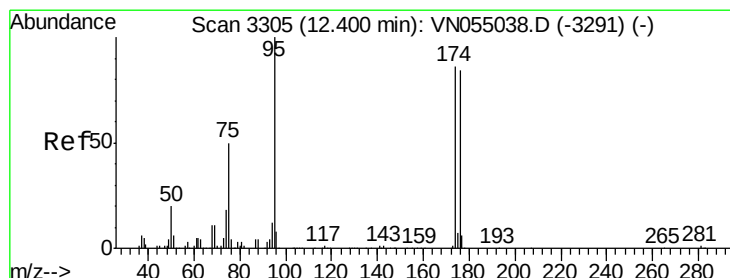
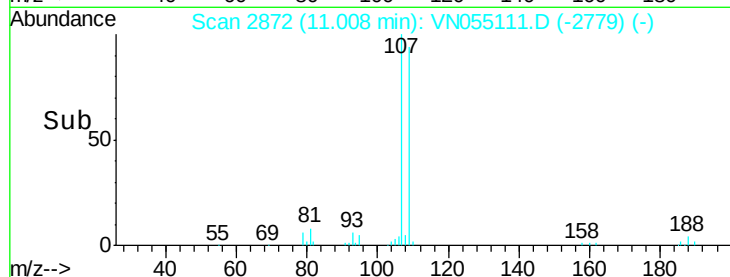
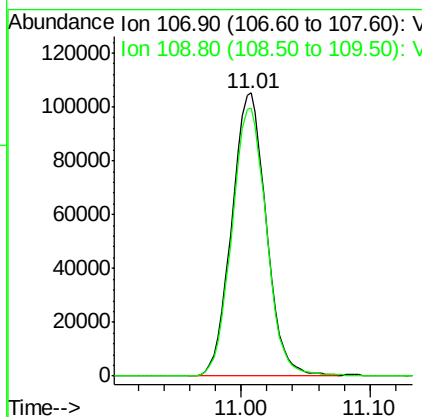
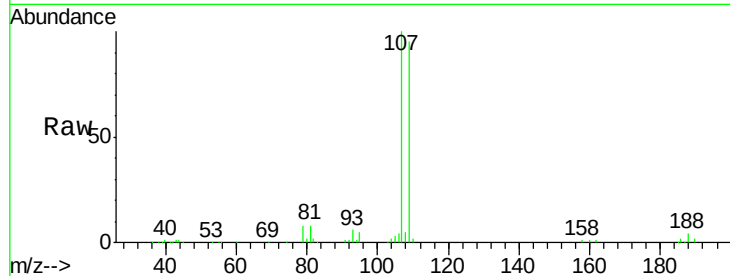
#61
 1,2-Dibromoethane
 Concen: 54.961 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	195138		
109	95.3	76.5	114.7	

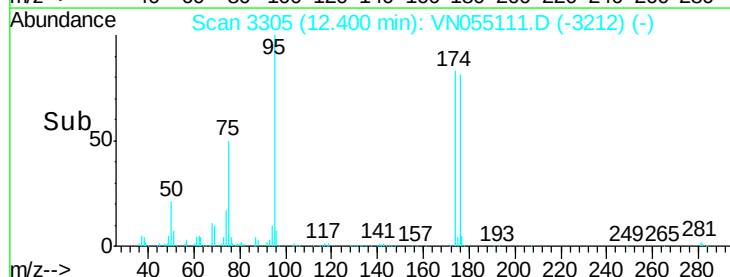
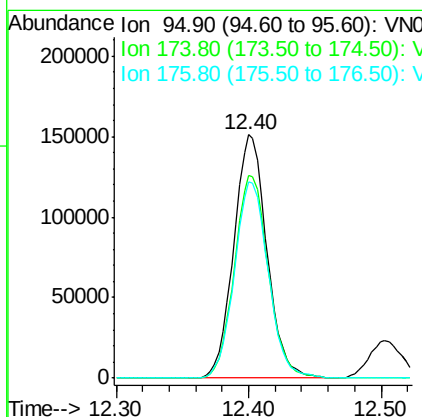
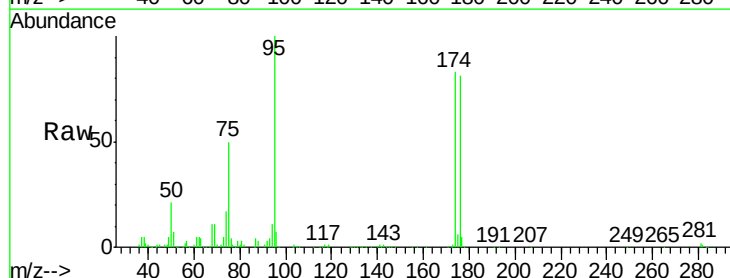
Manual Integrations
 APPROVED

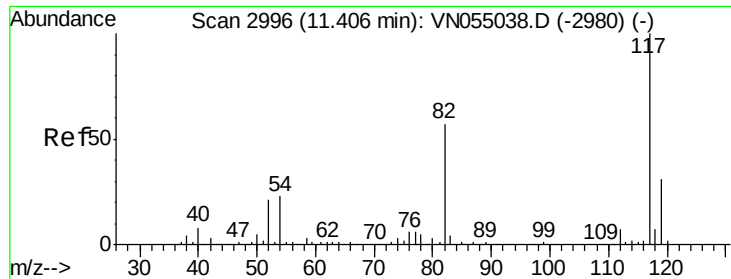
MMDadoda
 4/19/2019 12:21:37 PM



#62
 4-Bromofluorobenzene
 Concen: 54.890 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	262628		
174	85.0	0.0	174.4	
176	82.2	0.0	166.8	





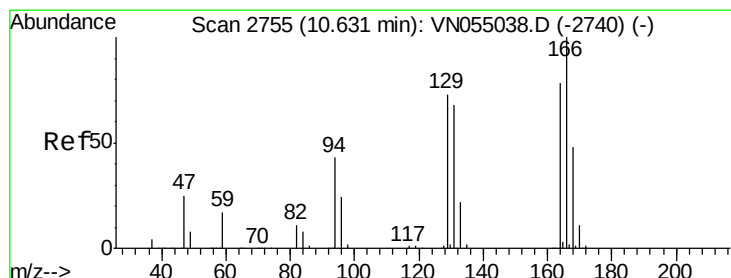
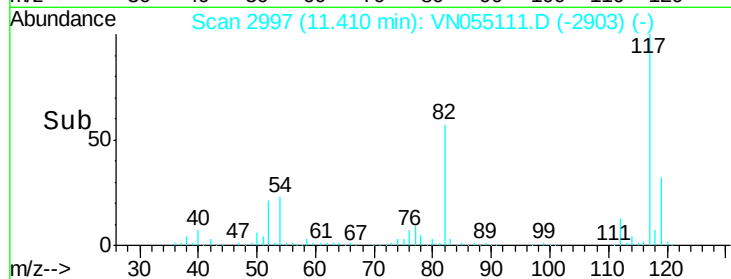
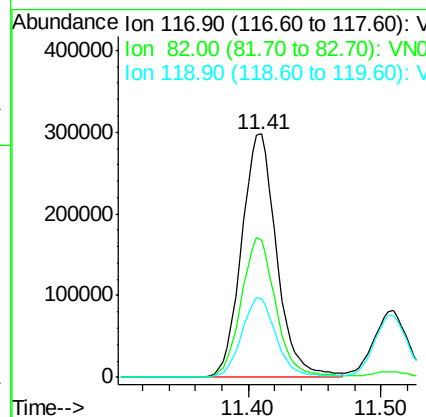
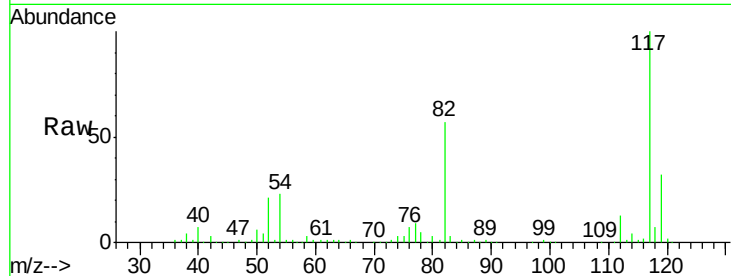
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	32.3	25.5	38.3

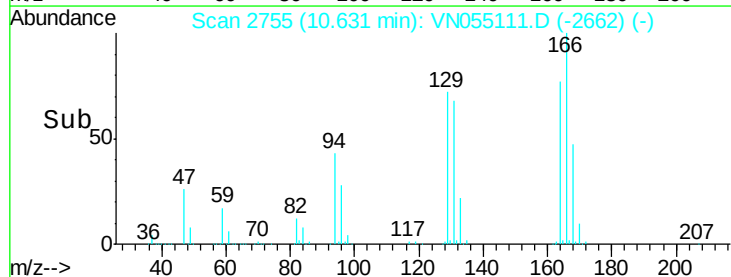
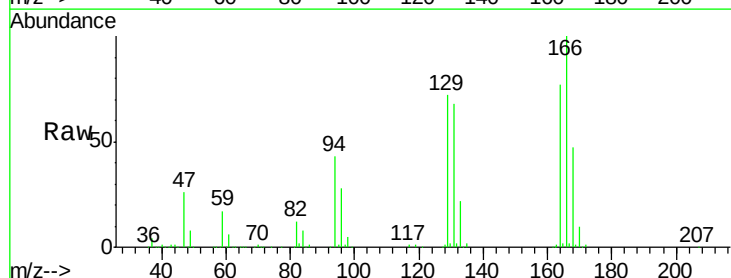
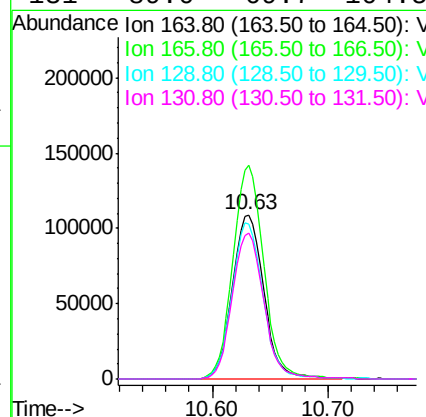
Manual Integrations
APPROVED

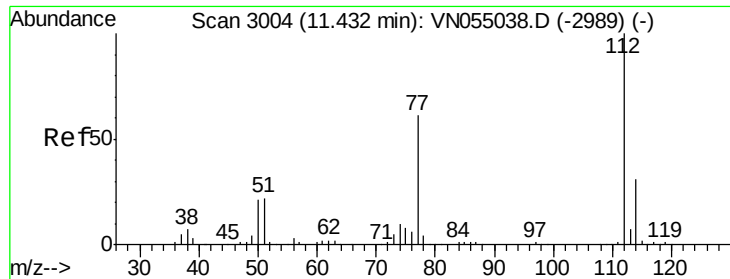
MMDadoda
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#64
Tetrachloroethene
Concen: 45.999 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	100.0	150.0
129	94.1	72.0	108.0
131	89.0	69.7	104.5





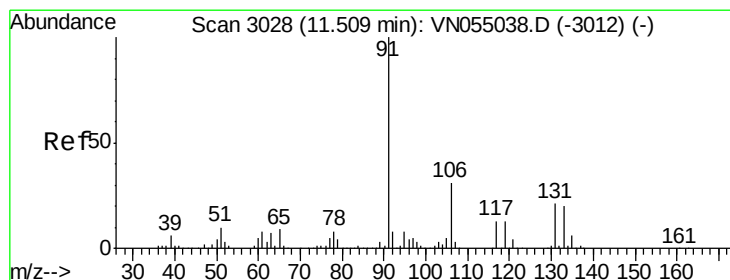
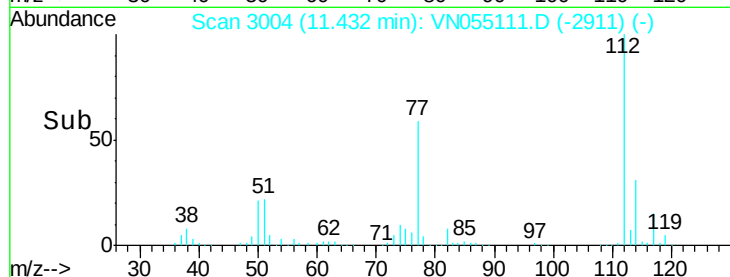
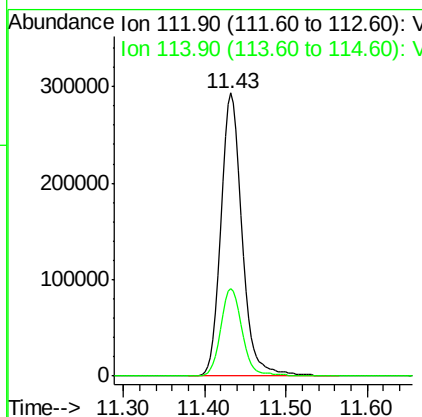
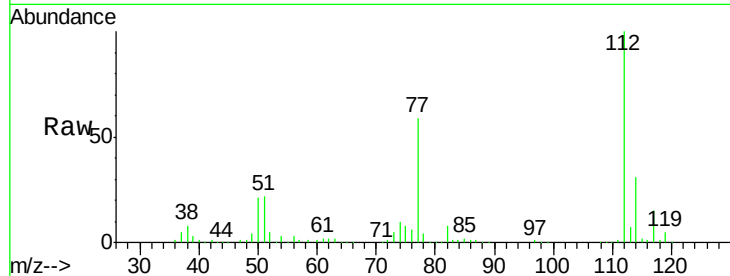
#65
Chlorobenzene
Concen: 49.162 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 541580
Ion Ratio Lower Upper
112 100
114 31.0 25.3 37.9

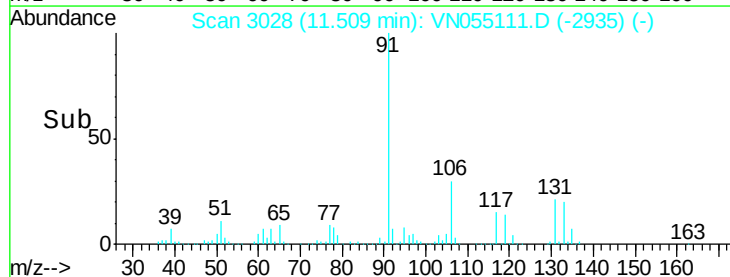
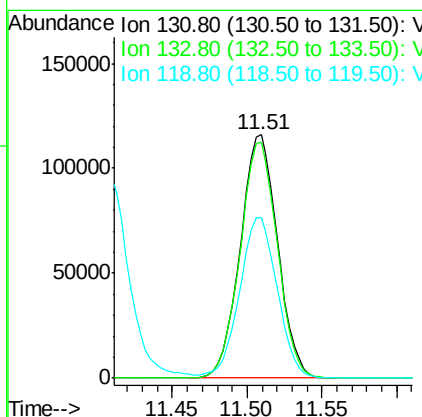
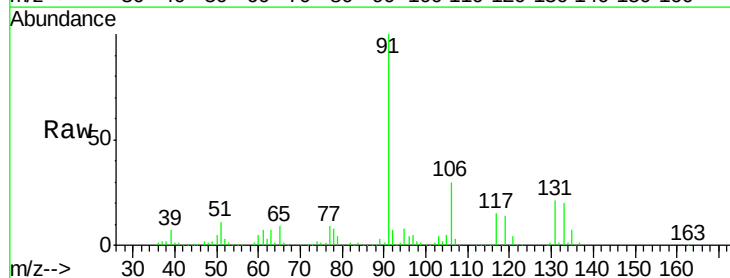
Manual Integrations
APPROVED

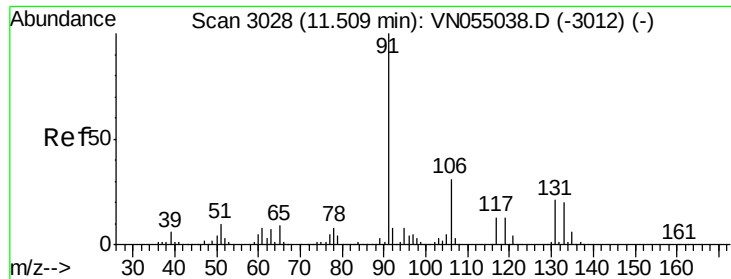
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.790 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion:131 Resp: 201735
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 66.7 33.6 100.6





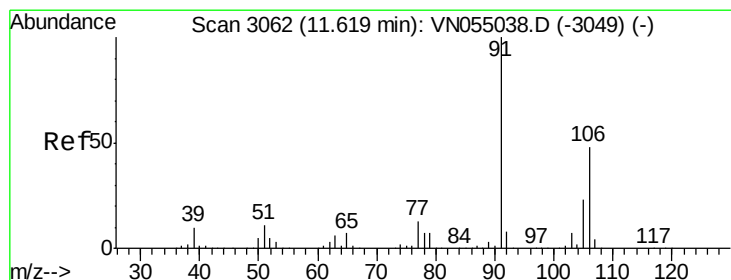
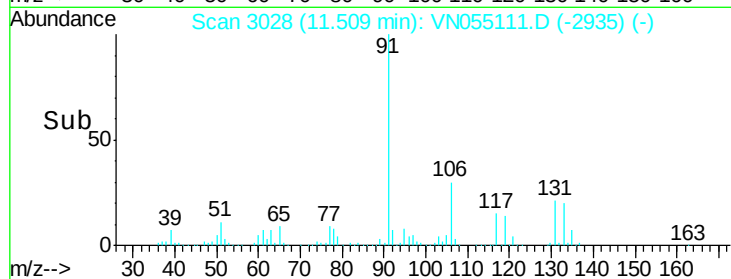
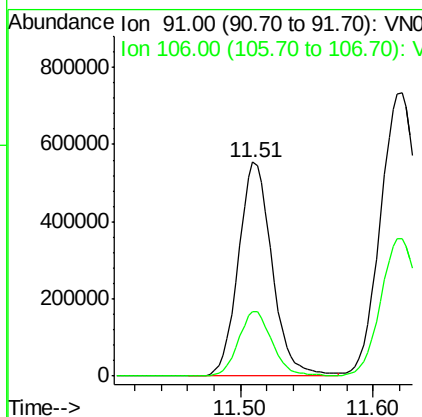
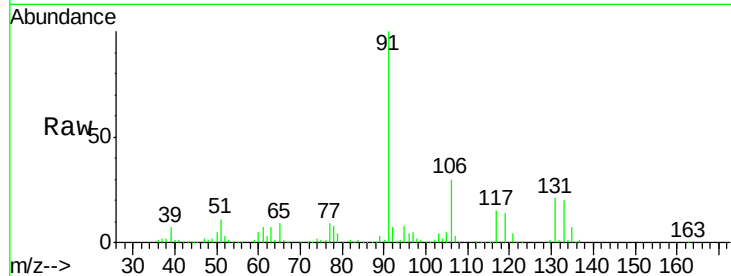
#67
Ethyl Benzene
Concen: 49.812 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 979959
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

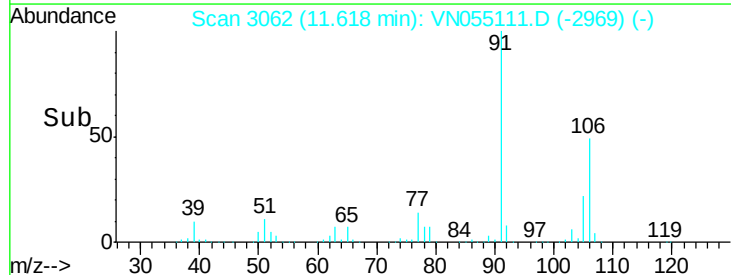
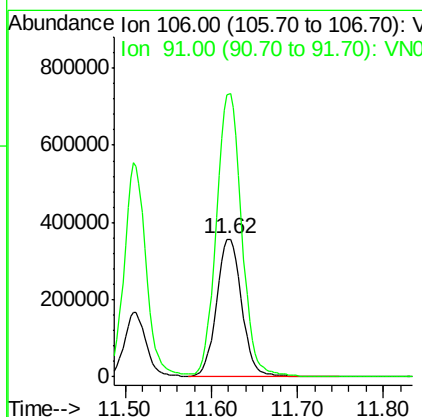
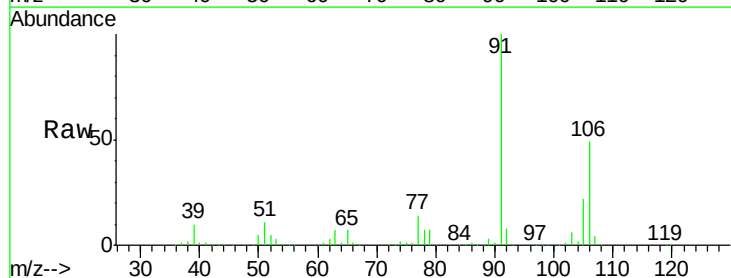
Manual Integrations
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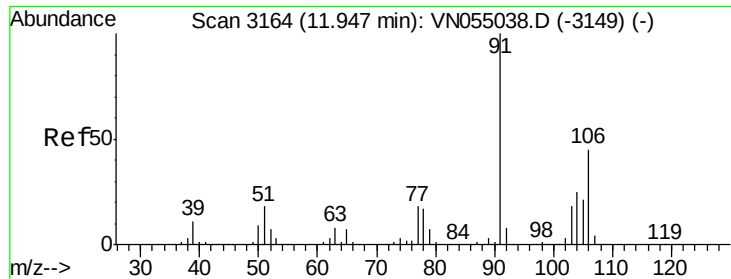
MMDadoda
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#68
m/p-Xylenes
Concen: 102.333 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion: 106 Resp: 729008
Ion Ratio Lower Upper
106 100
91 207.2 165.9 248.9





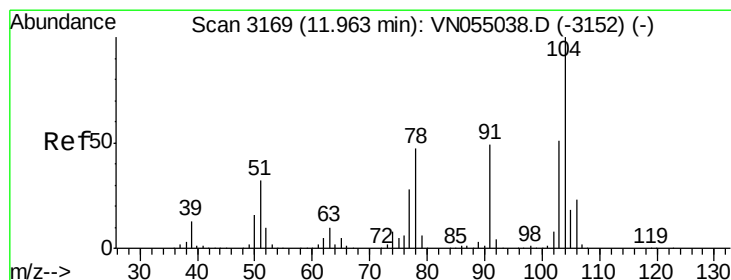
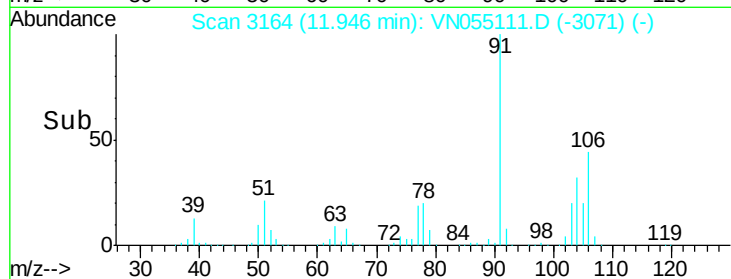
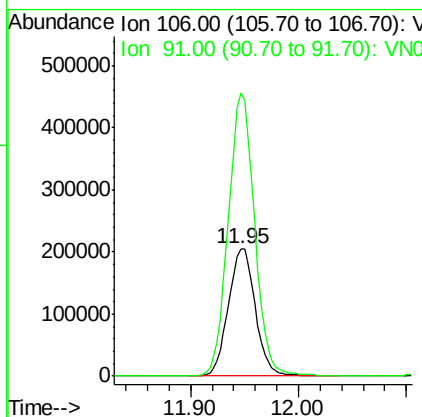
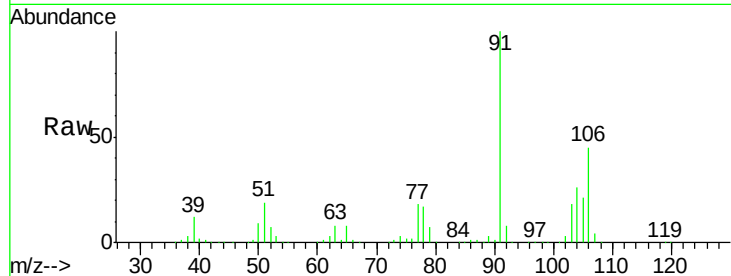
#69
o-Xylene
Concen: 52.100 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.4	109.9	329.8

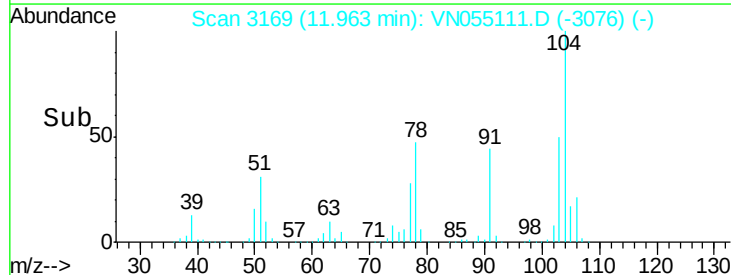
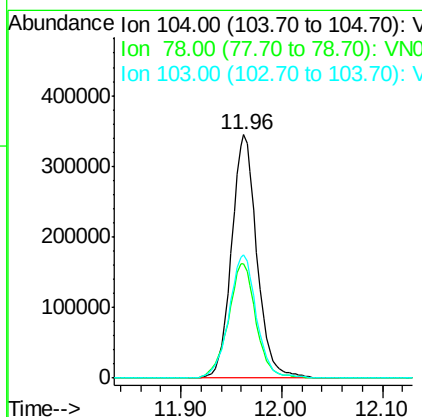
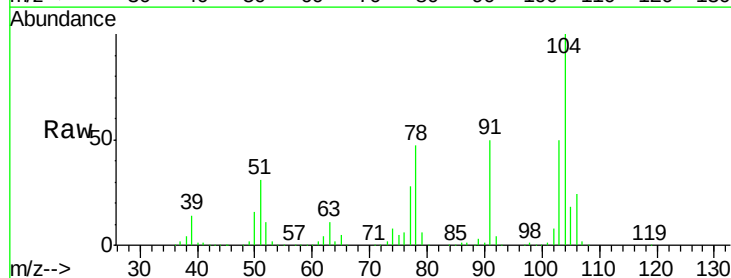
Manual Integrations
APPROVED

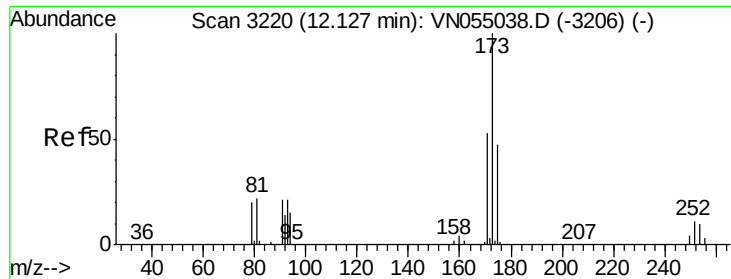
MMDadoda
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#70
Styrene
Concen: 53.909 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.4	40.3	60.5
103	55.2	44.3	66.5





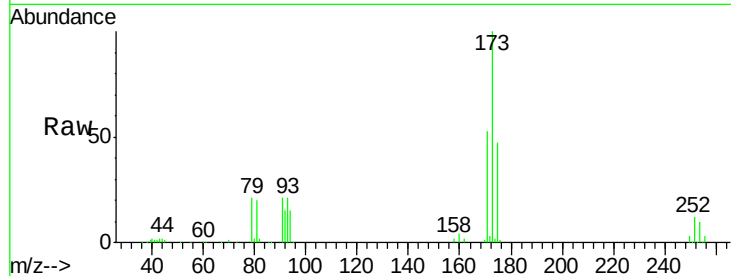
#71
Bromoform
Concen: 57.406 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.3	73.0
254	0.2	0.1	0.1#

Manual Integrations
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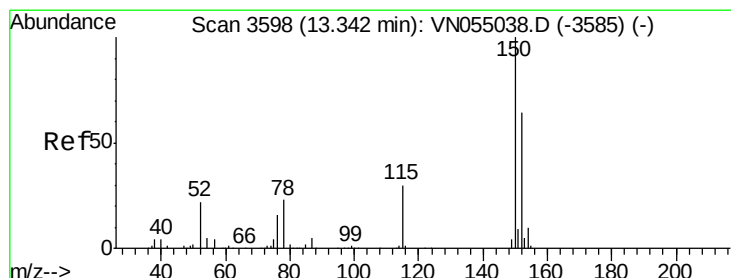
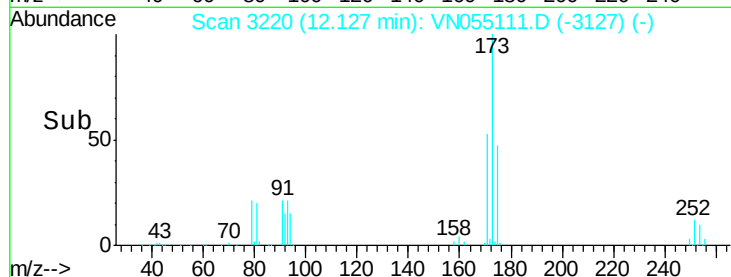
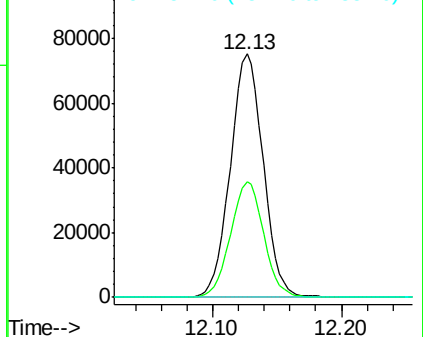


Abundance

Ion 172.70 (172.40 to 173.40): V

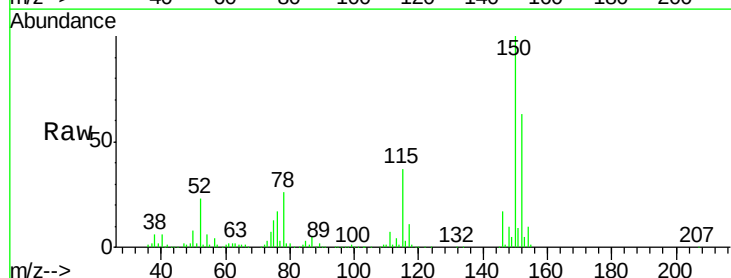
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.5	85.6
150	175.0	0.0	347.2

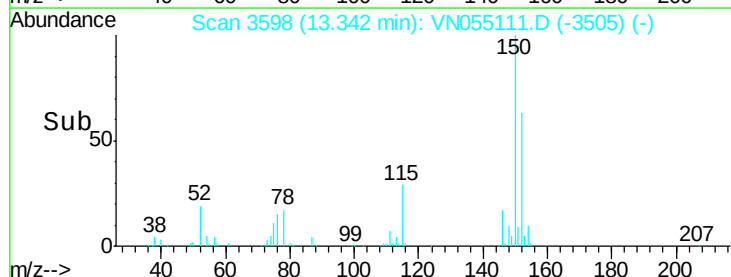
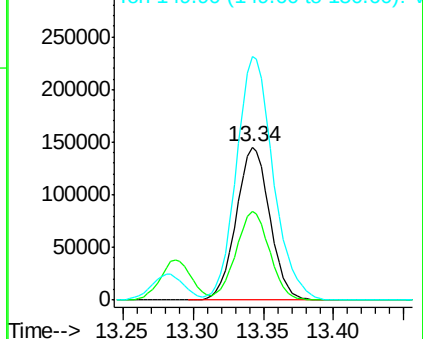


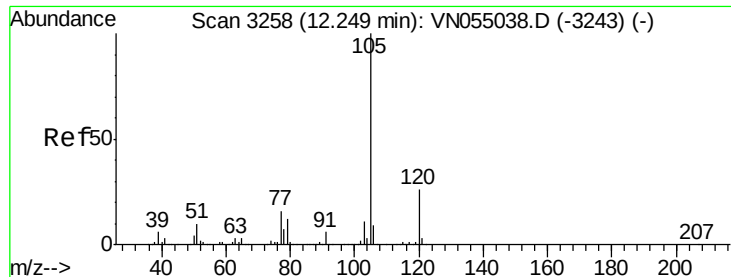
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.817 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 940399

Ion Ratio Lower Upper

105 100

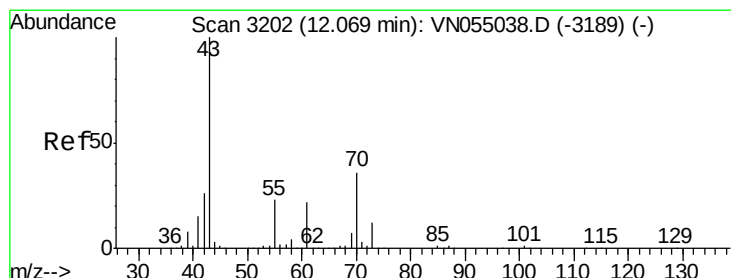
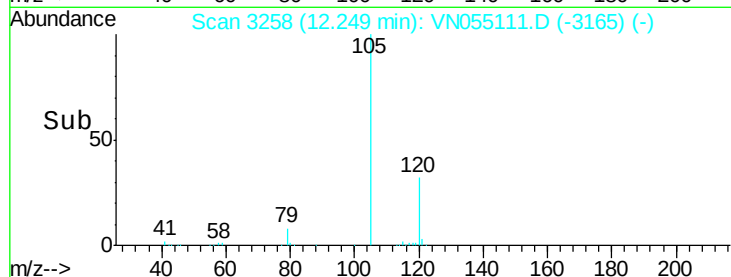
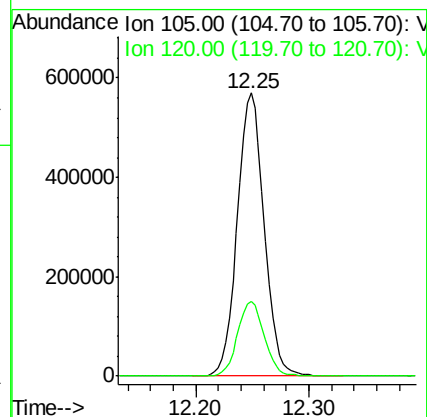
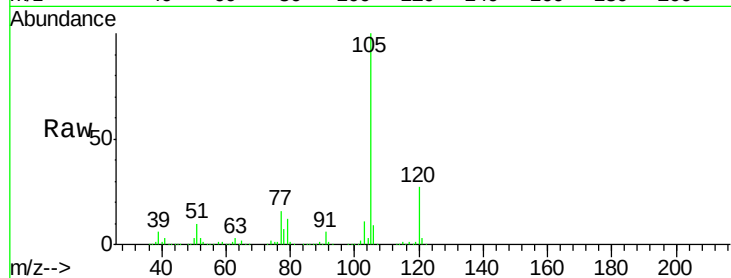
120 26.3 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.582 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Tgt Ion: 43 Resp: 335801

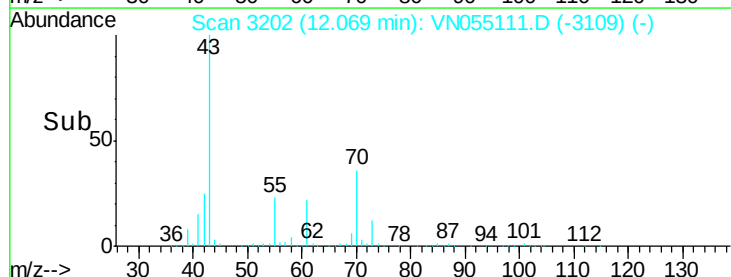
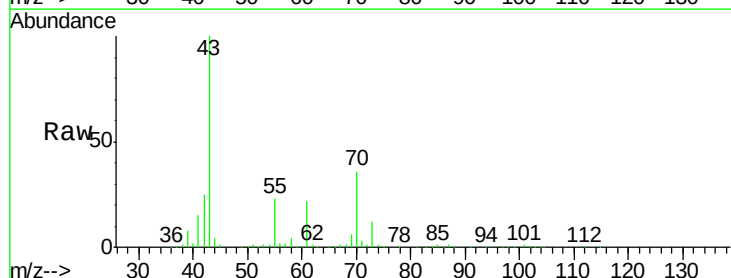
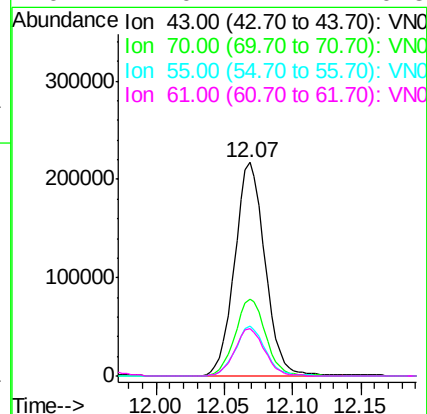
Ion Ratio Lower Upper

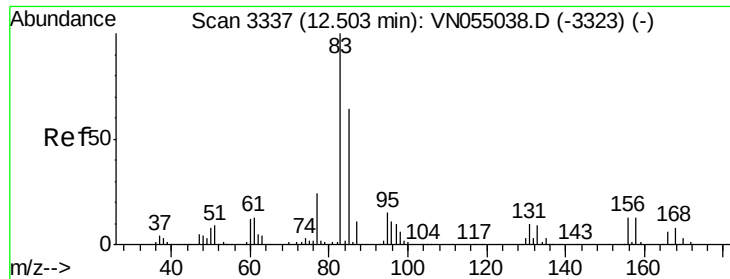
43 100

70 36.6 29.4 44.0

55 23.2 19.0 28.4

61 22.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.747 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

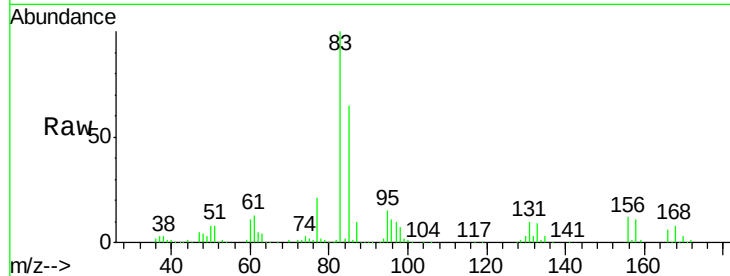
ClientSampleId :

VSTDCCC050EC

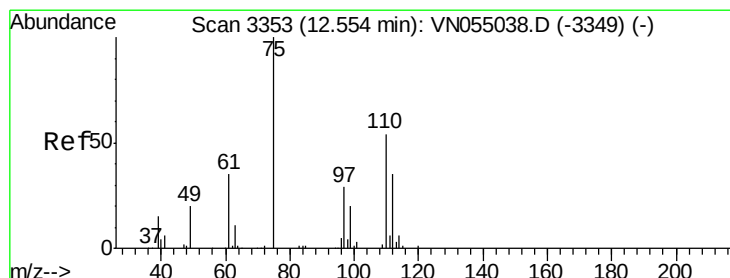
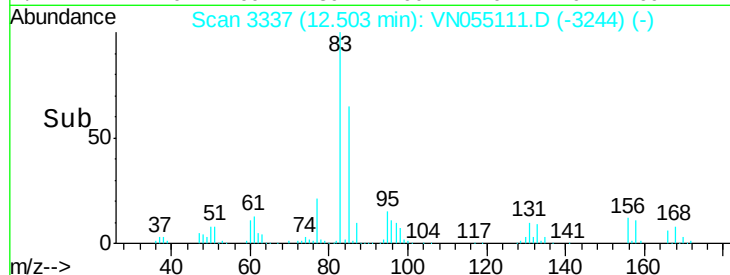
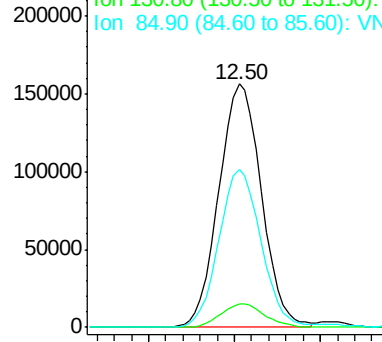
Tot Ion:	83	Resp:	268460
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	64.0	32.3	96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055111.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 53.434 ug/l m

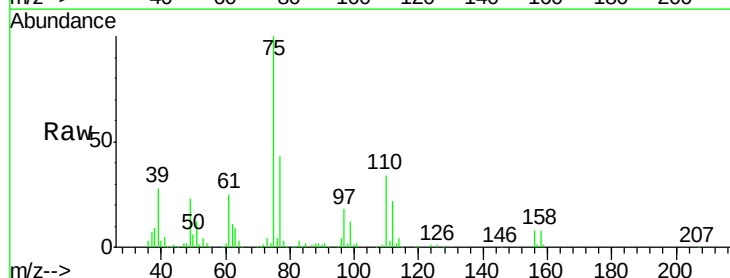
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

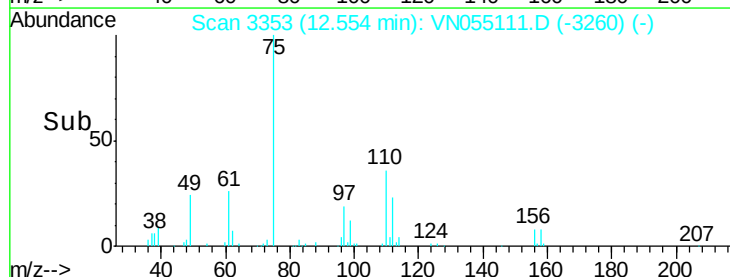
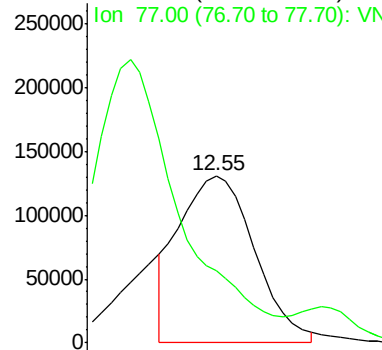
Lab File: VN055111.D

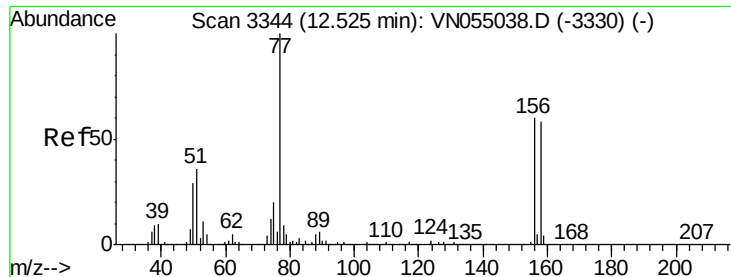
Acq: 17 Apr 2019 17:29

Tgt Ion:	75	Resp:	232393
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055111.D (-3260) (-)





#77

Bromobenzene

Concen: 44.469 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

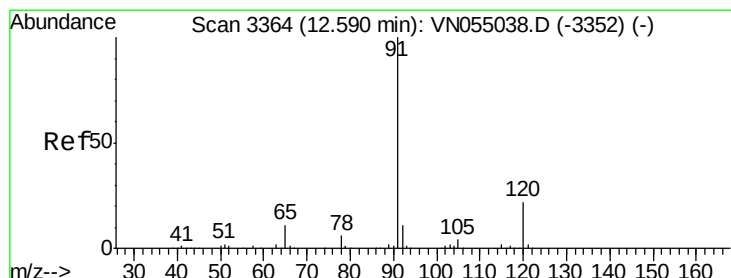
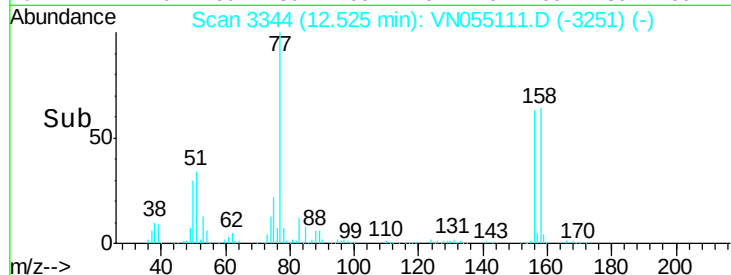
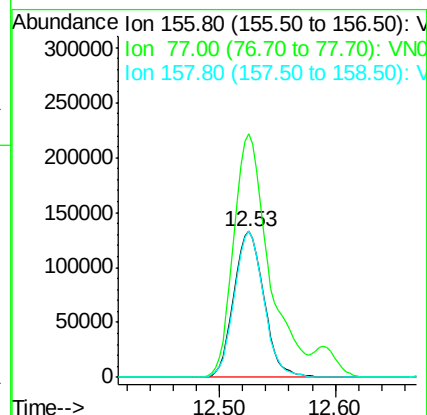
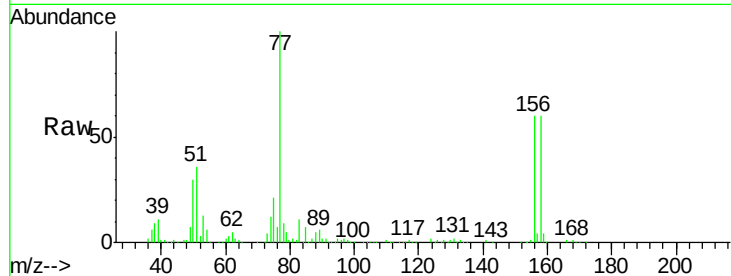
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	237935
Ion Ratio	Lower	Upper	
156	100		
77	195.3	97.2	291.5
158	97.6	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 45.463 ug/l

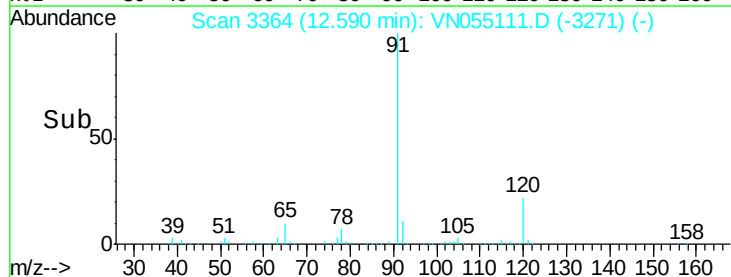
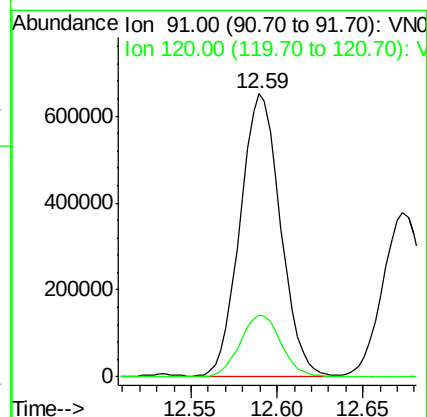
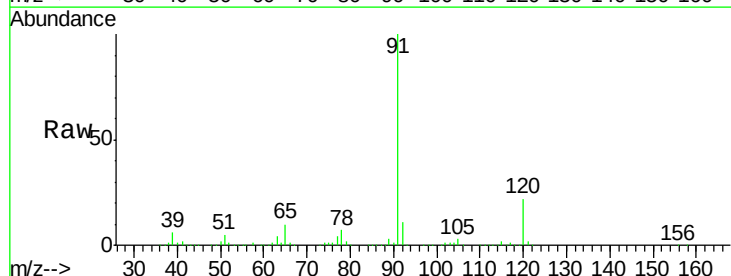
RT: 12.59 min Scan# 3364

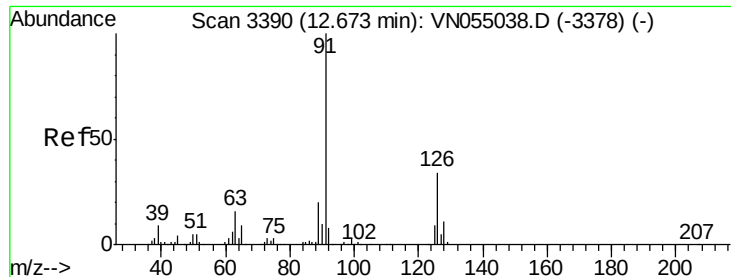
Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Tgt Ion:	91	Resp:	1054188
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5





#79

2-Chlorotoluene

Concen: 44.578 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 644730

Ion Ratio Lower Upper

91 100

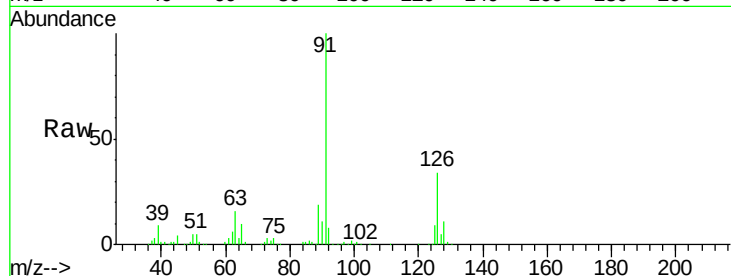
126 34.7 17.1 51.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055111.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055111.D (-3297) (-)

12.67

400000

300000

200000

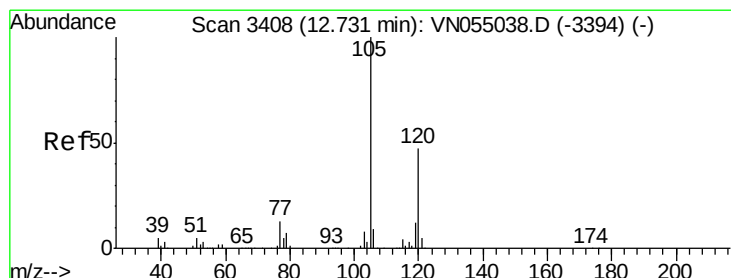
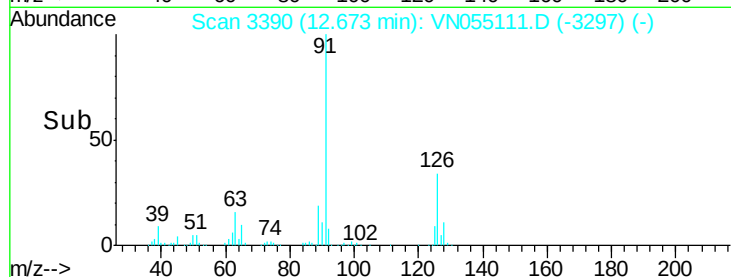
100000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.810 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055111.D

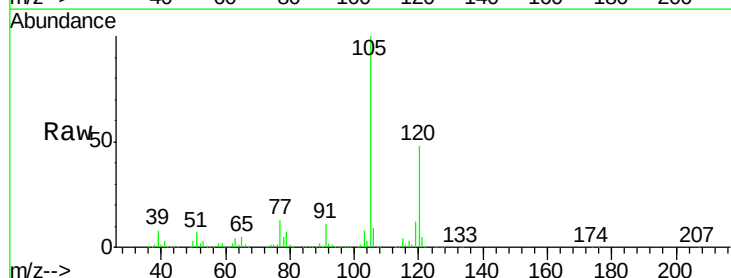
Acq: 17 Apr 2019 17:29

Tgt Ion:105 Resp: 793403

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055111.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055111.D (-3315) (-)

12.73

600000

500000

400000

300000

200000

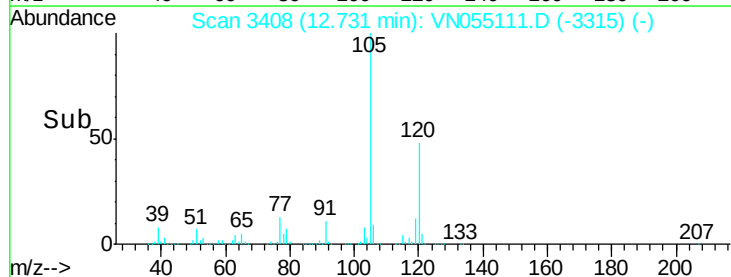
100000

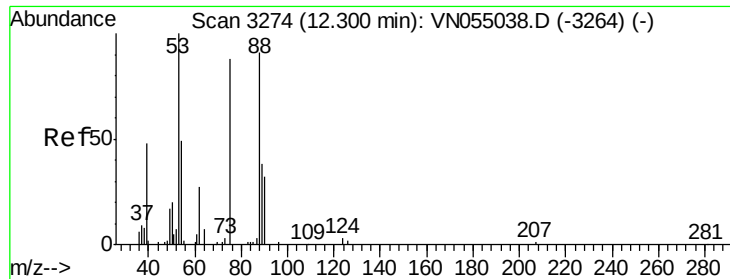
0

12.70

12.80

Time-->





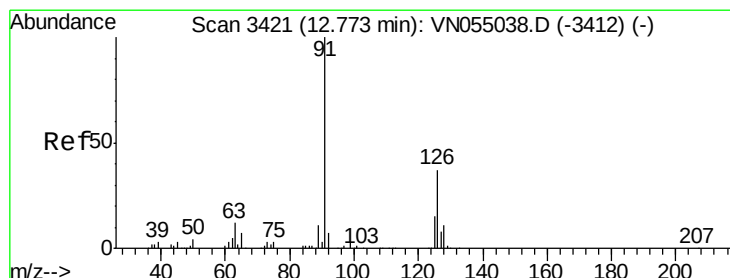
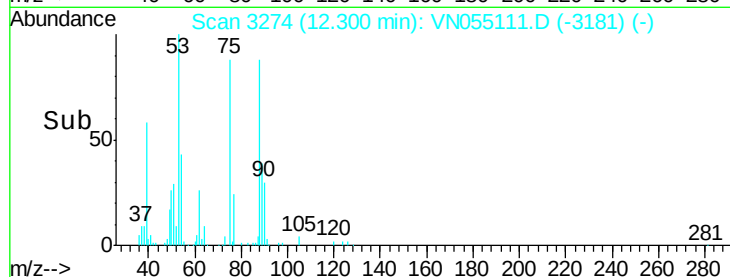
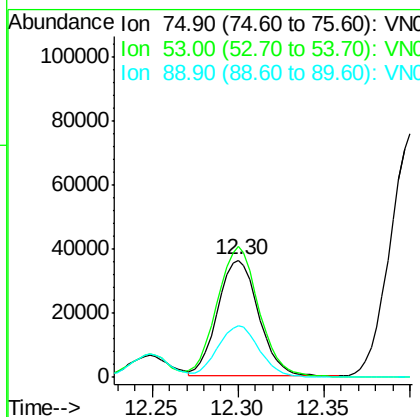
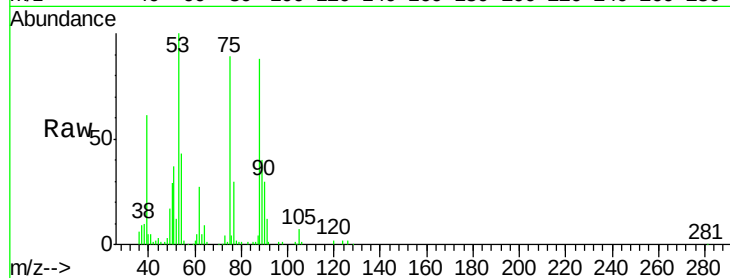
#81
trans-1,4-Dichloro-2-butene
Concen: 55.087 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.1	96.3	144.5
89	46.1	38.6	57.8

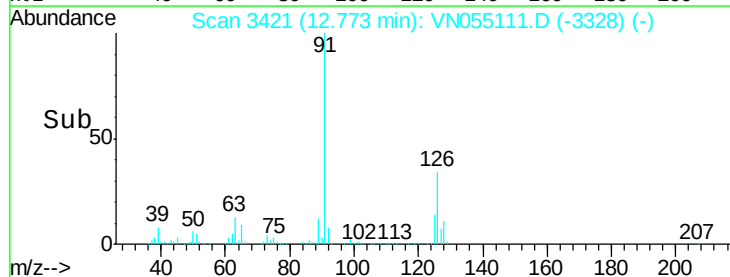
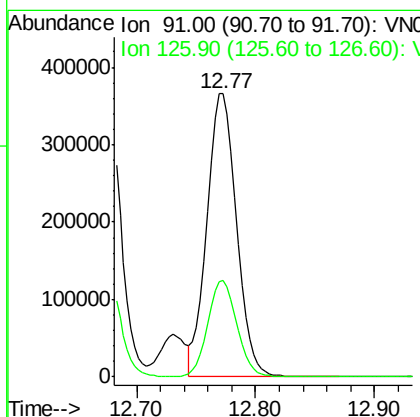
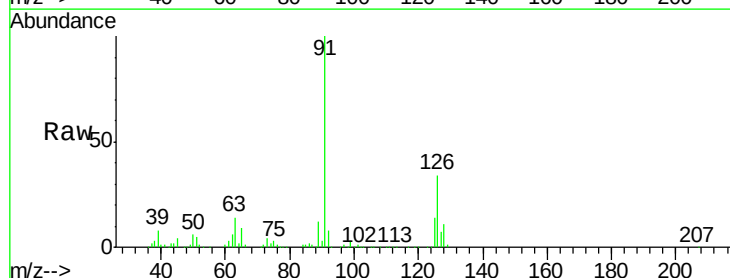
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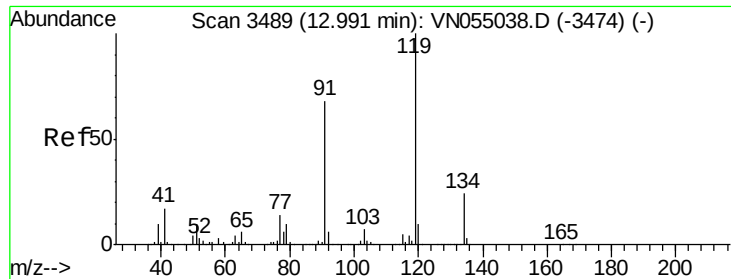
MMDadoda
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#82
4-Chlorotoluene
Concen: 46.734 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.2





#83

tert-Butylbenzene

Concen: 45.523 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

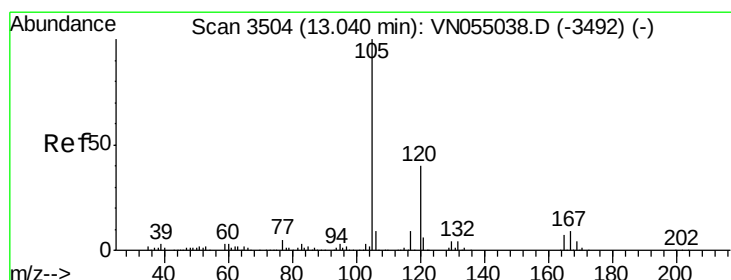
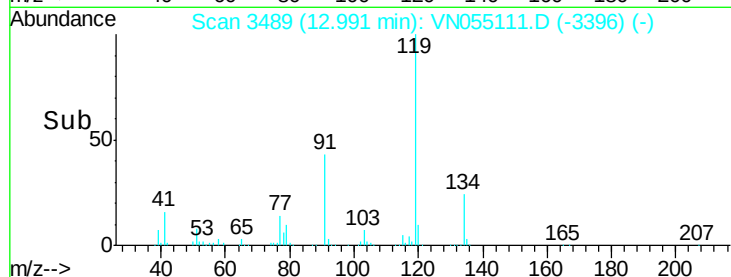
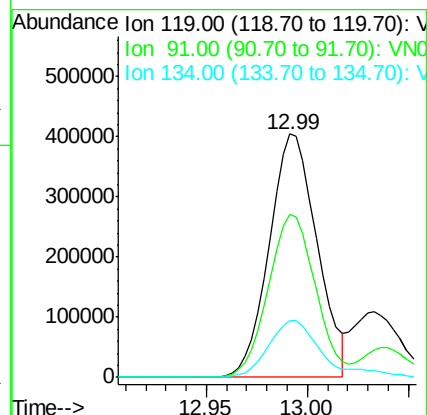
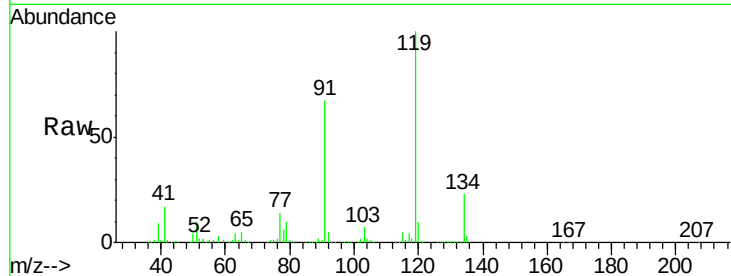
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	665858
Ion Ratio	Lower	Upper	
119	100		
91	66.1	33.3	99.8
134	26.4	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.633 ug/l

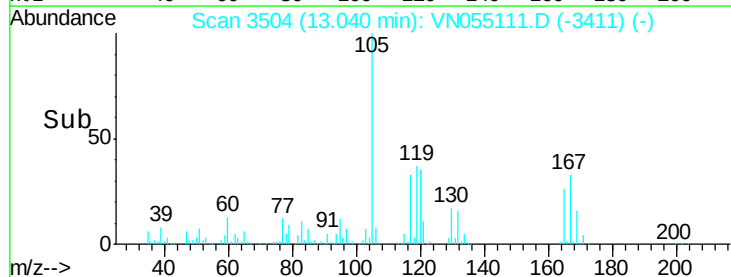
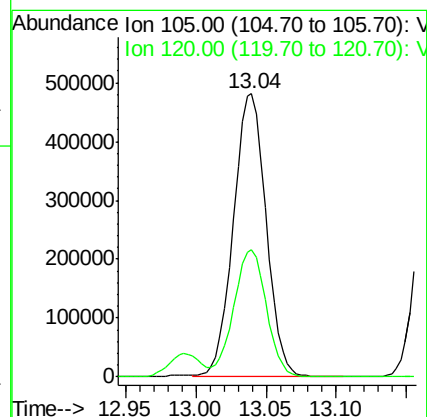
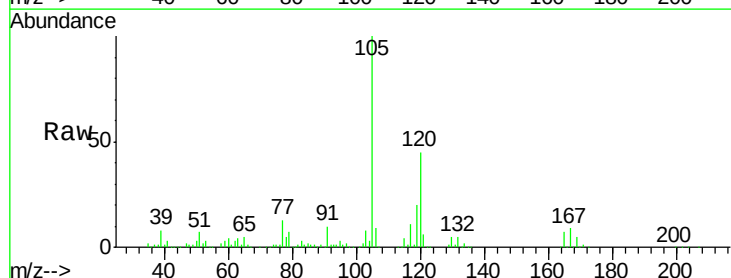
RT: 13.04 min Scan# 3504

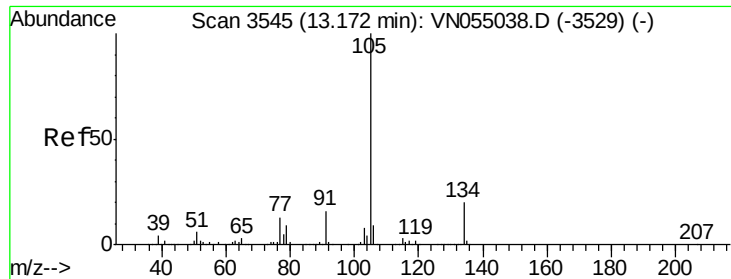
Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Tgt Ion:	105	Resp:	781829
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.4	67.3





#85

sec-Butylbenzene

Concen: 46.474 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 866181

Ion Ratio Lower Upper

105 100

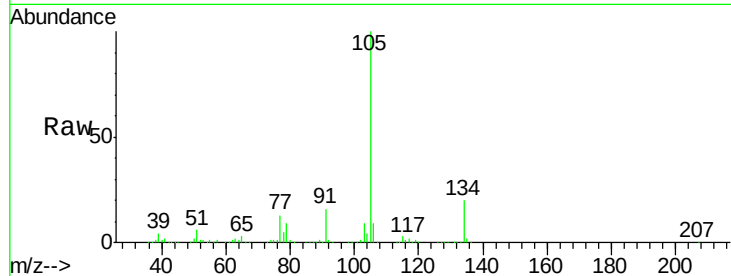
134 19.7 9.8 29.3

Manual Integrations

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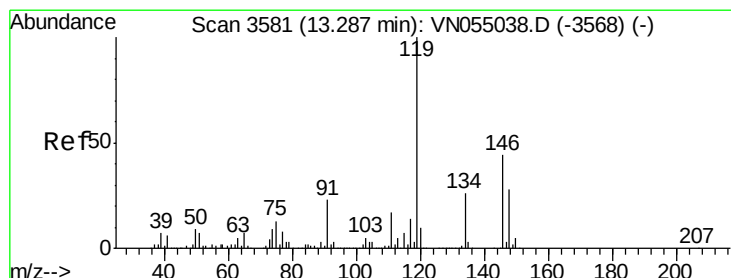
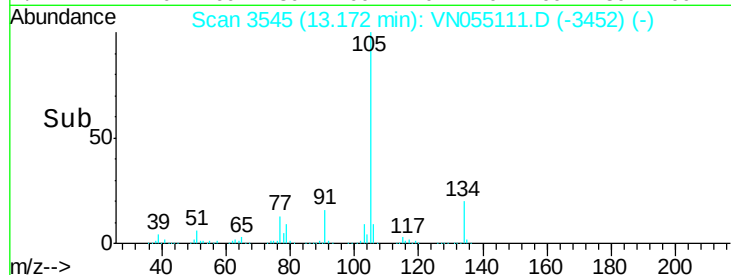
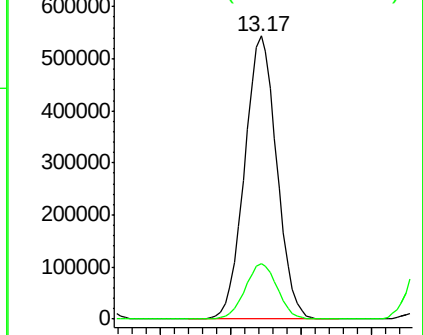
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.573 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

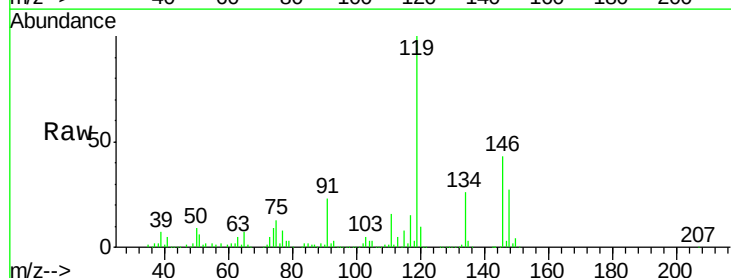
Tgt Ion:119 Resp: 760701

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

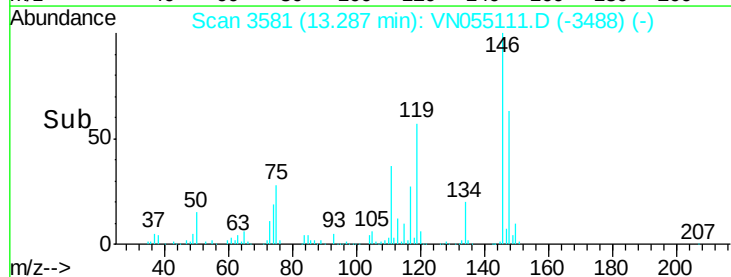
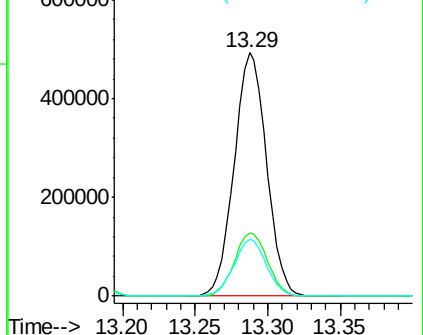
91 23.5 11.7 35.1

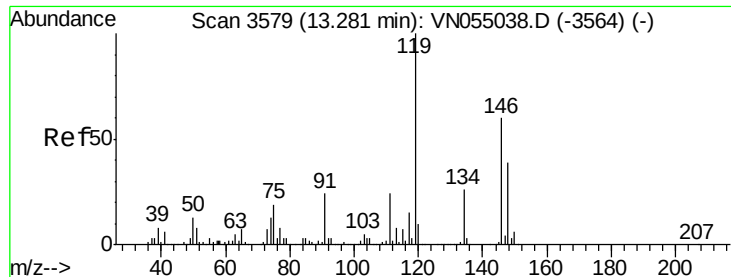


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.877 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

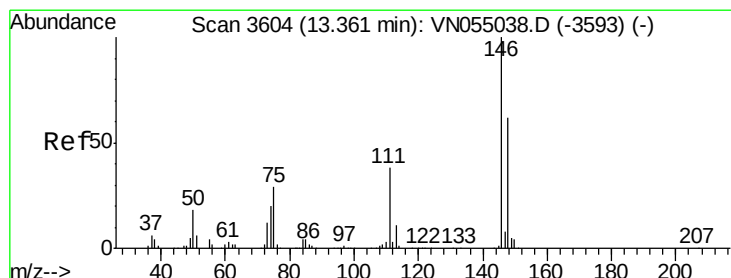
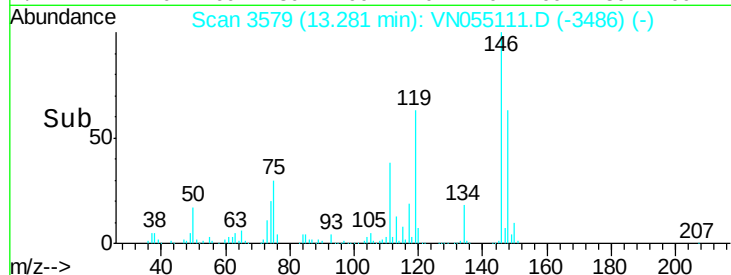
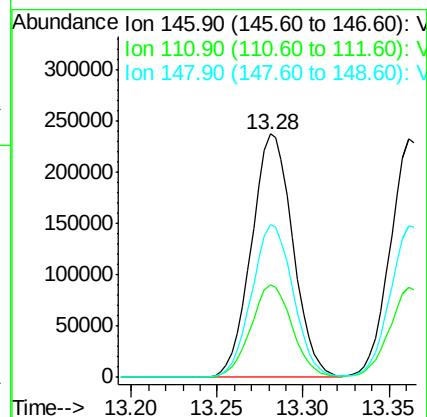
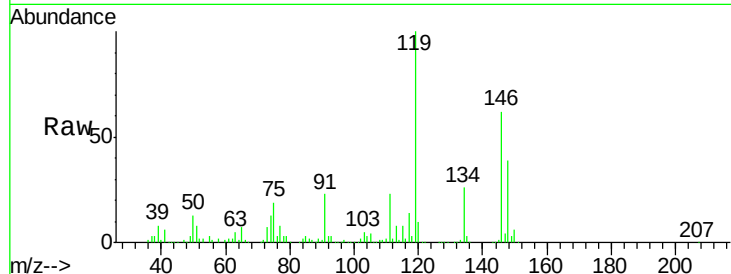
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	397502
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.5	58.5
148	62.9	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.437 ug/l

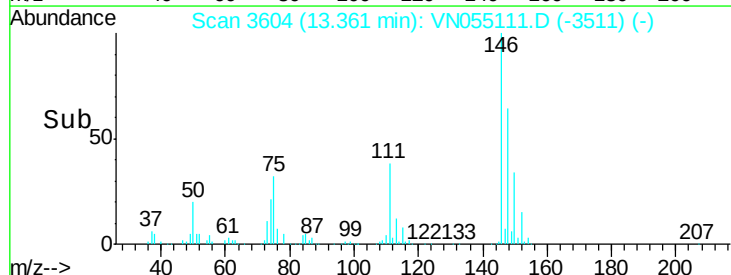
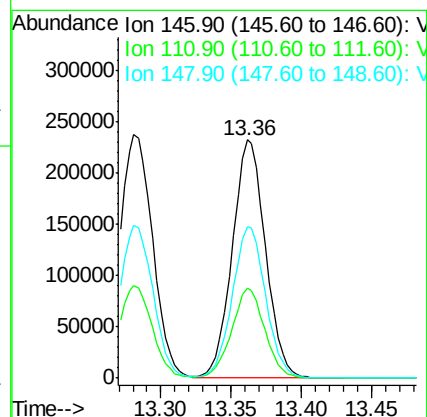
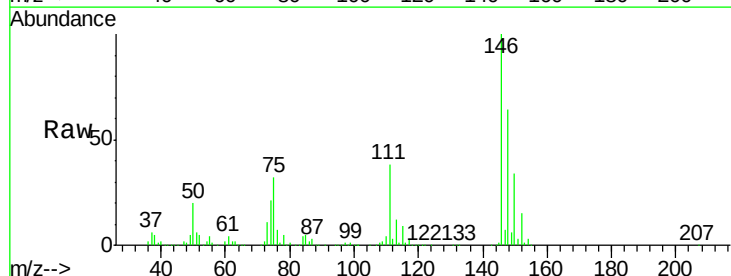
RT: 13.36 min Scan# 3604

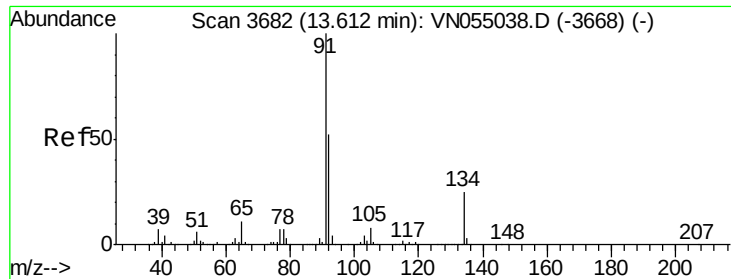
Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Tgt Ion:	146	Resp:	383399
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.8	56.4
148	63.8	32.4	97.2





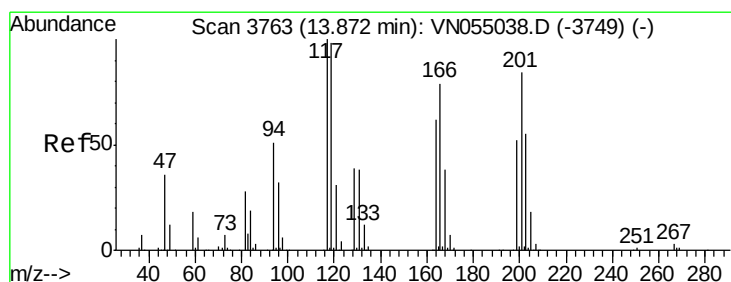
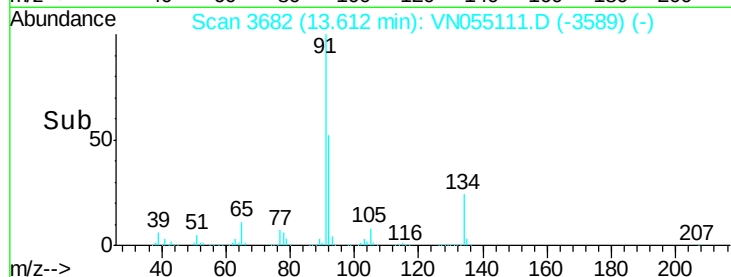
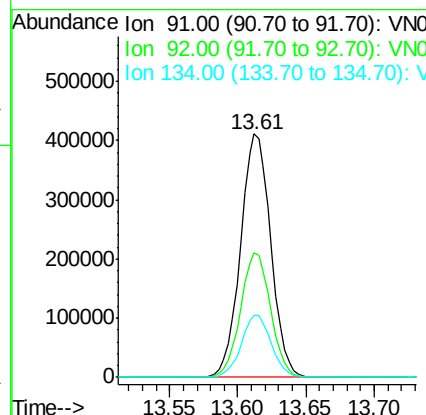
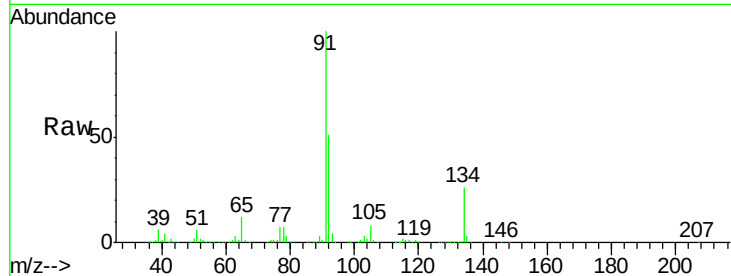
#89
n-Butylbenzene
Concen: 53.120 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.9	77.7
134	25.2	12.8	38.3

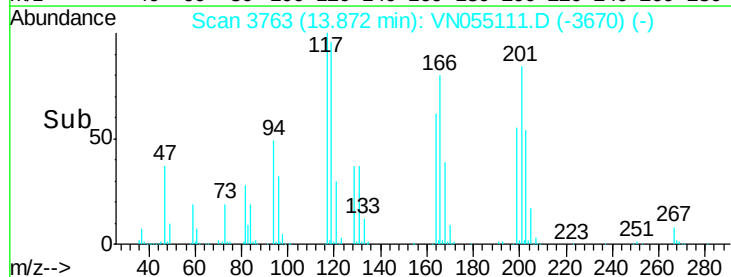
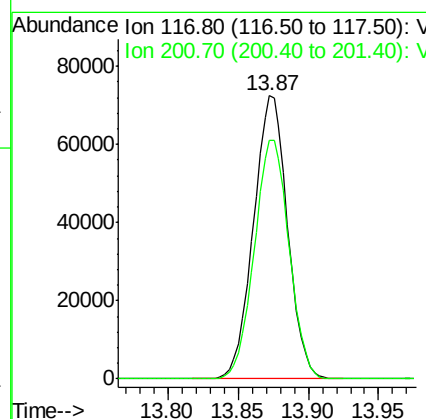
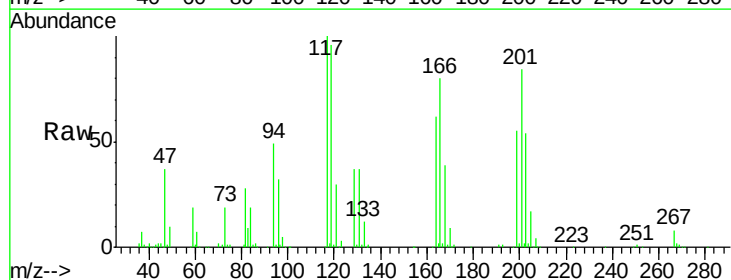
Manual Integrations
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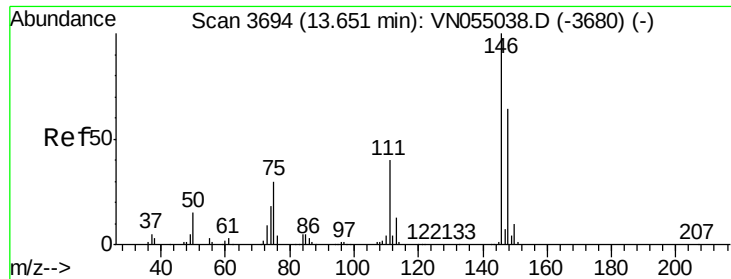
MMDadoda
4/19/2019 12:21:37 PM



#90
Hexachloroethane
Concen: 46.990 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055111.D
Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	43.4	130.2





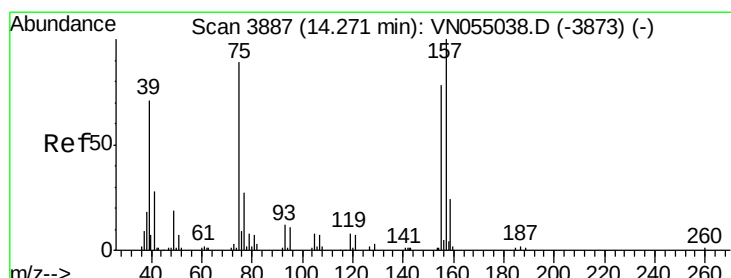
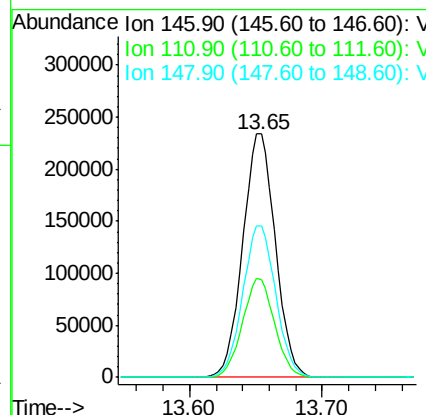
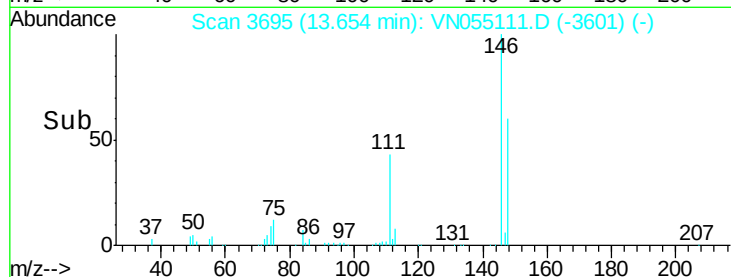
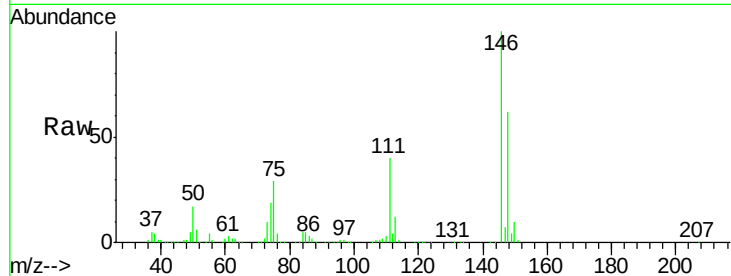
#91
 1,2-Dichlorobenzene
 Concen: 48.747 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.9
148	62.9	32.2	96.6

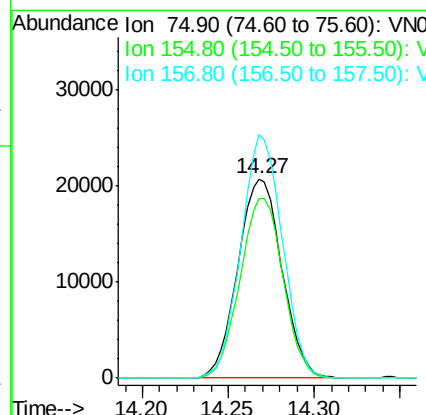
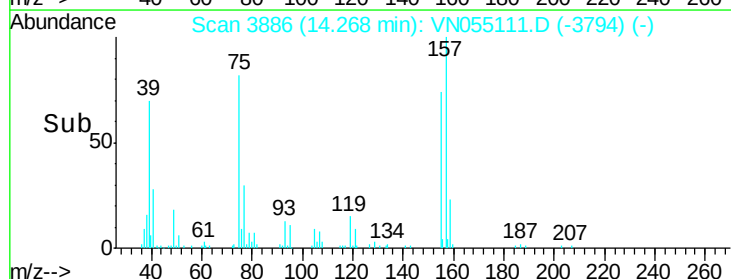
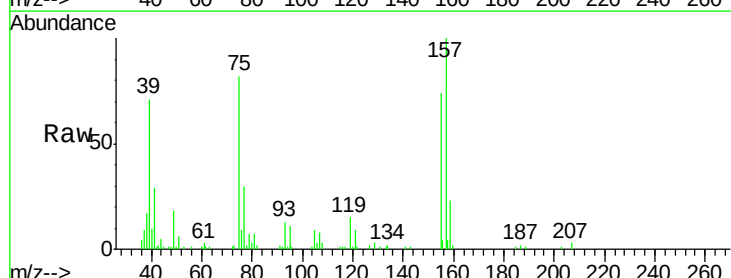
Manual Integrations
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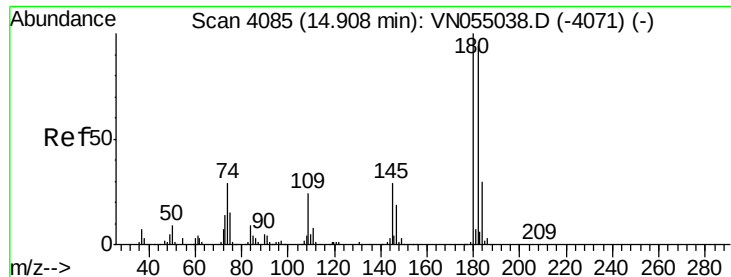
MMDadoda
 4/19/2019 12:21:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.000 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	42.0	126.0
157	114.8	52.1	156.4





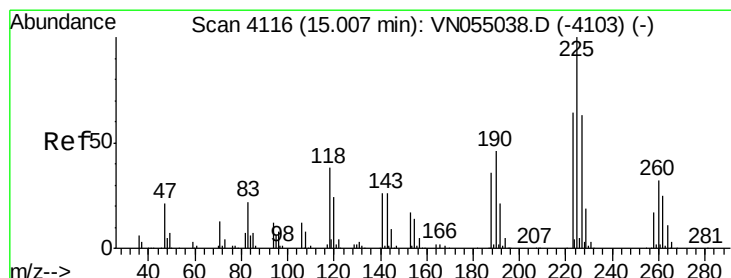
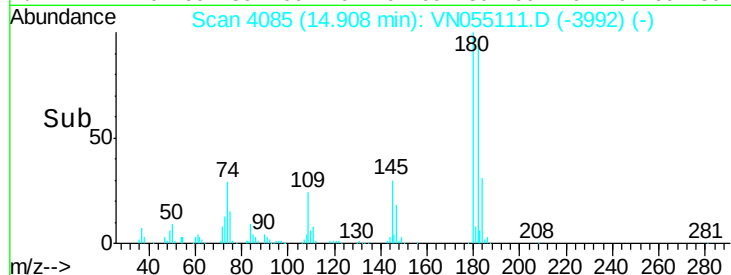
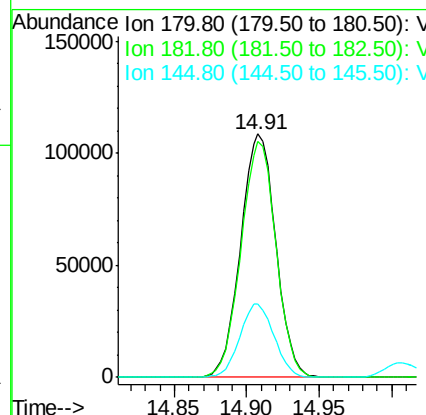
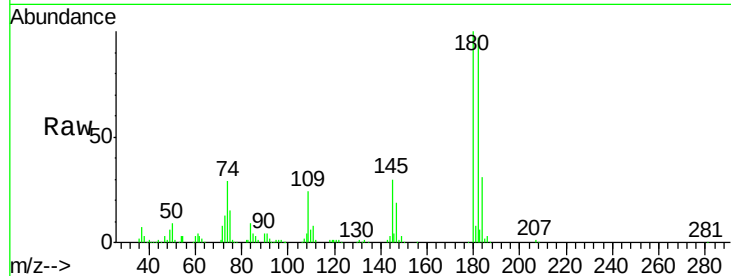
#93
 1,2,4-Trichlorobenzene
 Concen: 49.280 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180	Resp:	182638
Ion Ratio	Lower	Upper
180 100		
182 96.2	47.5	142.6
145 29.3	14.2	42.8

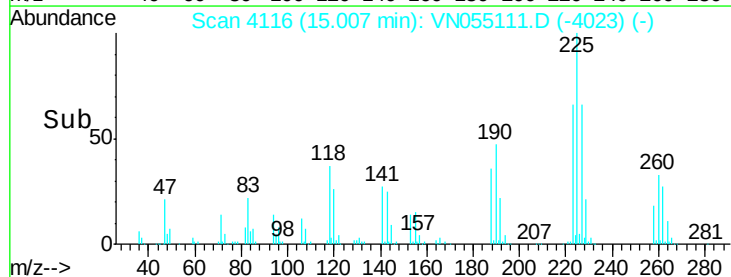
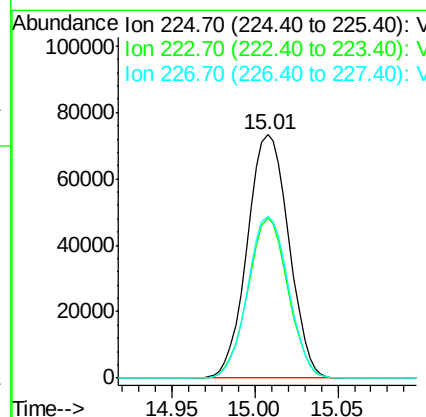
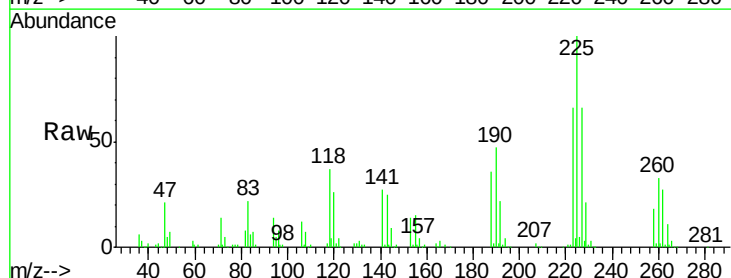
Manual Integrations
 APPROVED

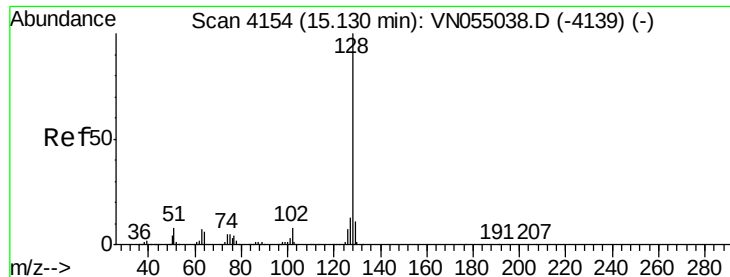
MMDadoda
 4/19/2019 12:21:37 PM



#94
 Hexachlorobutadiene
 Concen: 50.458 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055111.D
 Acq: 17 Apr 2019 17:29

Tgt Ion:225	Resp:	127525
Ion Ratio	Lower	Upper
225 100		
223 63.8	31.4	94.0
227 65.3	32.6	97.7





#95

Naphthalene

Concen: 47.887 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Instrument :

MSVOA_N

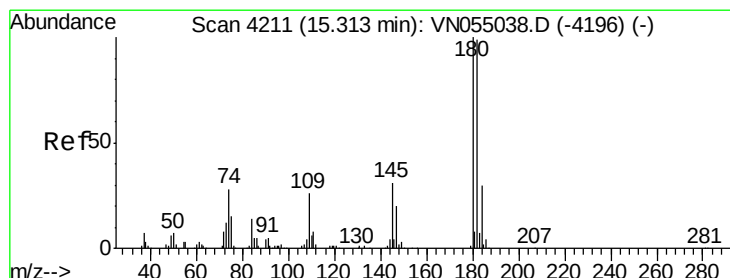
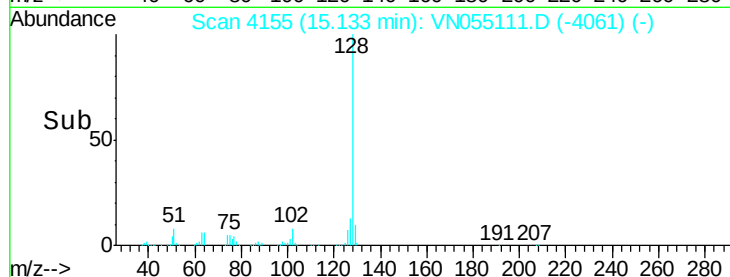
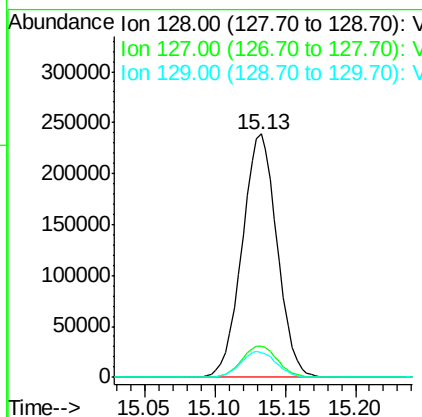
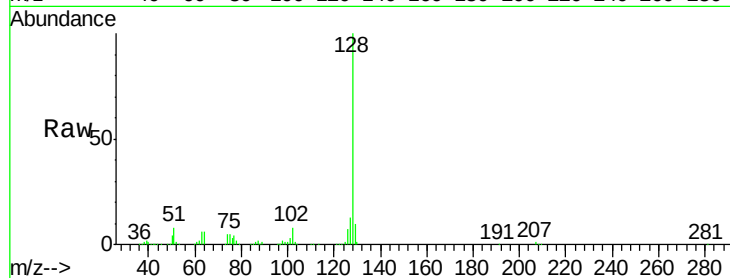
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	414329
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/19/2019 12:21:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 59.544 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055111.D

Acq: 17 Apr 2019 17:29

Tgt Ion:	180	Resp:	187961
Ion Ratio	Lower	Upper	
180	100		
182	97.0	48.0	144.0
145	30.8	15.3	45.9

