

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021319\
 Data File : VN053767.D
 Acq On : 13 Feb 2019 20:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:39:18 AM

Quant Time: Feb 14 01:28:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	634516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	986358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	864098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	439199	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	326165	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.59	113	312651	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.09	98	1133993	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.40	95	410501	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	314018	43.939	ug/l	100
3) Chloromethane	2.06	50	361620	48.005	ug/l	100
4) Vinyl Chloride	2.19	62	381373	52.153	ug/l	99
5) Bromomethane	2.57	94	251905	52.685	ug/l	100
6) Chloroethane	2.71	64	228477	54.675	ug/l	99
7) Trichlorofluoromethane	3.02	101	522765	52.717	ug/l	100
8) Diethyl Ether	3.41	74	185847	51.317	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	295215	48.137	ug/l	97
10) Methyl Iodide	3.96	142	453061	47.067	ug/l	99
11) Tert butyl alcohol	4.78	59	115379	306.272	ug/l	100
12) 1,1-Dichloroethene	3.74	96	286102	48.692	ug/l	99
13) Acrolein	3.61	56	45130	220.030	ug/l	97
14) Allyl chloride	4.33	41	461102	49.287	ug/l	99
15) Acrylonitrile	4.99	53	584519	287.412	ug/l	99
16) Acetone	3.82	43	398090	243.816	ug/l	98
17) Carbon Disulfide	4.06	76	779670	42.614	ug/l	98
18) Methyl Acetate	4.32	43	295337	61.078	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	829950	55.719	ug/l	99
20) Methylene Chloride	4.55	84	337995	49.342	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	305990	48.270	ug/l	98
22) Diisopropyl ether	5.95	45	940402	54.249	ug/l	100
23) Vinyl Acetate	5.90	43	3211317	267.787	ug/l	98
24) 1,1-Dichloroethane	5.85	63	585495	50.639	ug/l	99
25) 2-Butanone	6.83	43	632786	271.739	ug/l	99
26) 2,2-Dichloropropane	6.82	77	397527	45.039	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	360016	51.074	ug/l	98
28) Bromochloromethane	7.19	49	266775	53.168	ug/l	95
29) Tetrahydrofuran	7.21	42	429431	287.187	ug/l	98
30) Chloroform	7.37	83	586265	51.150	ug/l	99
31) Cyclohexane	7.65	56	495552	46.020	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	490452	51.418	ug/l	99
36) 1,1-Dichloropropene	7.79	75	426047	47.917	ug/l	99
37) Ethyl Acetate	6.93	43	274630	55.303	ug/l	98
38) Carbon Tetrachloride	7.77	117	437538	48.848	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	480690	45.569	ug/l	99
40) Benzene	8.04	78	1335495	48.707	ug/l	99
41) Methacrylonitrile	7.17	41	151861	54.716	ug/l	92
42) 1,2-Dichloroethane	8.12	62	400407	49.183	ug/l	99
43) Isopropyl Acetate	8.16	43	507108	52.878	ug/l	99
44) Trichloroethene	8.83	130	368847	47.252	ug/l	99
45) 1,2-Dichloropropane	9.12	63	359239	51.225	ug/l	98
46) Dibromomethane	9.21	93	212060	50.161	ug/l	98
47) Bromodichloromethane	9.40	83	448061	50.975	ug/l	100
48) Methyl methacrylate	9.20	41	232796	50.853	ug/l	91
49) 1,4-Dioxane	9.20	88	75169	1128.010	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	1342417	284.855	ug/l	100
52) Toluene	10.16	92	808685	49.695	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	451561	51.303	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	521565	50.006	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	306217	52.222	ug/l	99
56) Ethyl methacrylate	10.43	69	381459	54.990	ug/l	98
57) 1,3-Dichloropropane	10.71	76	511141	51.004	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	901758	210.904	ug/l	98
59) 2-Hexanone	10.75	43	861362	269.237	ug/l	100
60) Dibromochloromethane	10.90	129	351591	53.171	ug/l	100
61) 1,2-Dibromoethane	11.00	107	299279	51.566	ug/l	99
64) Tetrachloroethene	10.63	164	358045	48.337	ug/l	99
65) Chlorobenzene	11.43	112	898334	48.944	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	335757	52.380	ug/l	99
67) Ethyl Benzene	11.51	91	1488611	49.373	ug/l	100
68) m/p-Xylenes	11.62	106	1163224	101.085	ug/l	99
69) o-Xylene	11.95	106	568403	51.128	ug/l	98
70) Styrene	11.96	104	930073	51.616	ug/l	100
71) Bromoform	12.13	173	247488	56.317	ug/l #	99
73) Isopropylbenzene	12.25	105	1529652	49.543	ug/l	100
74) N-amyl acetate	12.07	43	392379	52.850	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	398383	53.914	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	327158m	57.994	ug/l	
77) Bromobenzene	12.53	156	429561	51.623	ug/l	98
78) n-propylbenzene	12.59	91	1827377	51.199	ug/l	100
79) 2-Chlorotoluene	12.67	91	1085266	51.251	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1367058	53.394	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105964	52.819	ug/l	99
82) 4-Chlorotoluene	12.77	91	1094546	50.373	ug/l	99
83) tert-Butylbenzene	12.99	119	1204237	53.218	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1385191	53.104	ug/l	100
85) sec-Butylbenzene	13.17	105	1608326	52.230	ug/l	100
86) p-Isopropyltoluene	13.29	119	1397840	51.904	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	732886	48.995	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	724087	48.936	ug/l	99
89) n-Butylbenzene	13.62	91	1144677	49.105	ug/l	100
90) Hexachloroethane	13.87	117	236715	53.288	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	719333	50.232	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58660	55.703	ug/l	97

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ClientSampleId :
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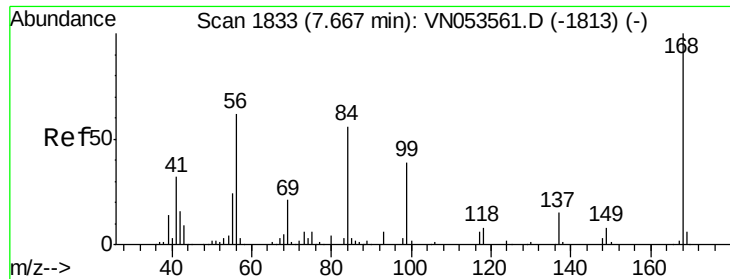
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	399145	48.598	ug/l	99
94) Hexachlorobutadiene	15.01	225	251689	49.208	ug/l	98
95) Naphthalene	15.13	128	834760	43.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	375196	49.233	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 634516

Ion Ratio Lower Upper

168 100

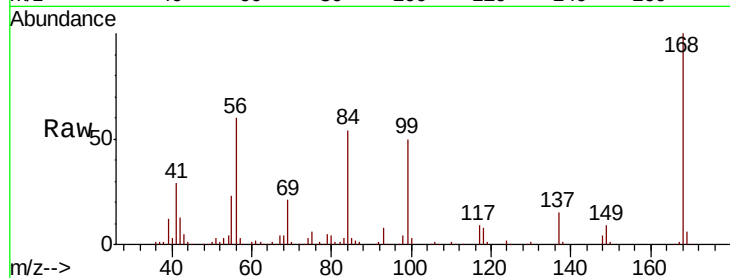
99 49.2 39.1 58.7

Manual Integrations

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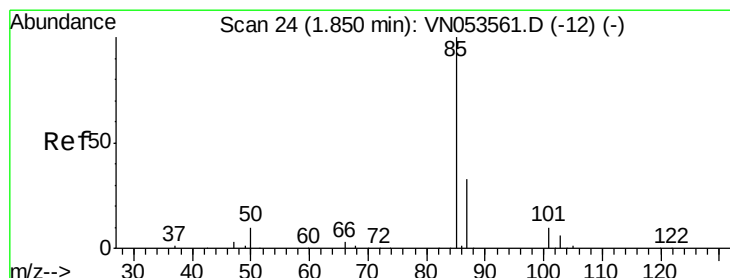
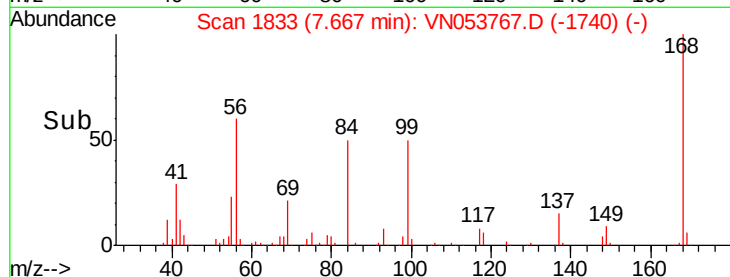
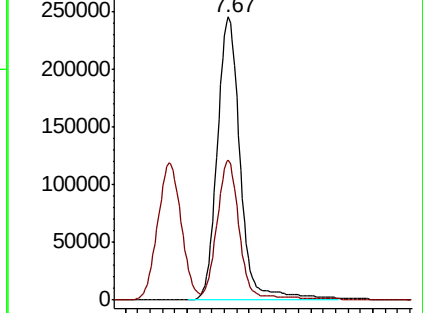
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.939 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053767.D

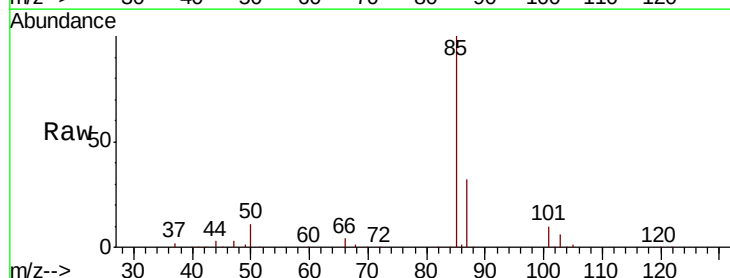
Acq: 13 Feb 2019 20:37

Tgt Ion: 85 Resp: 314018

Ion Ratio Lower Upper

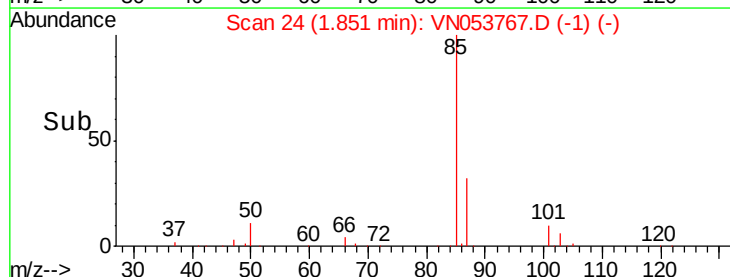
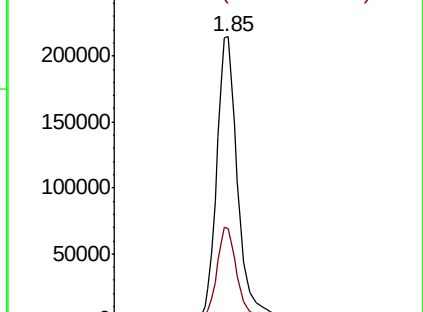
85 100

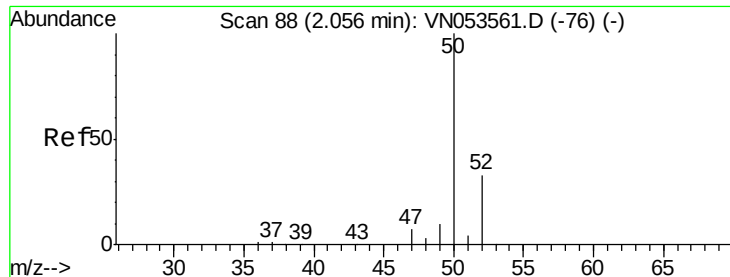
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.005 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 361620

Ion Ratio Lower Upper

50 100

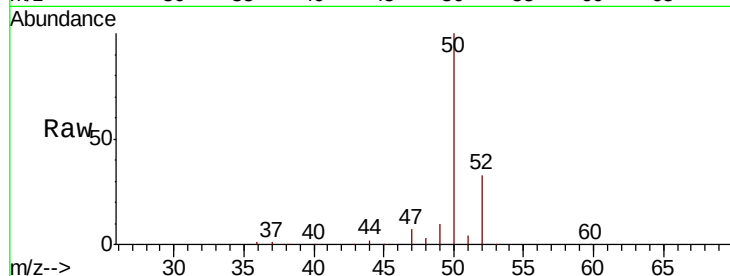
52 33.1 26.6 40.0

Manual Integrations

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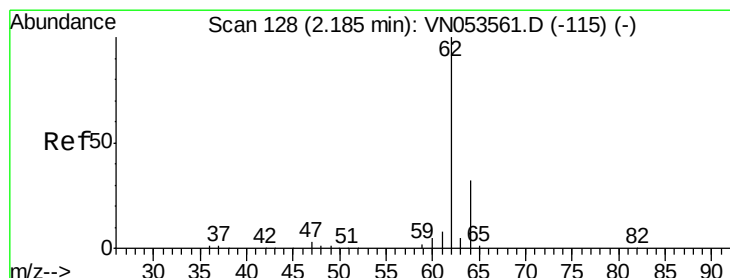
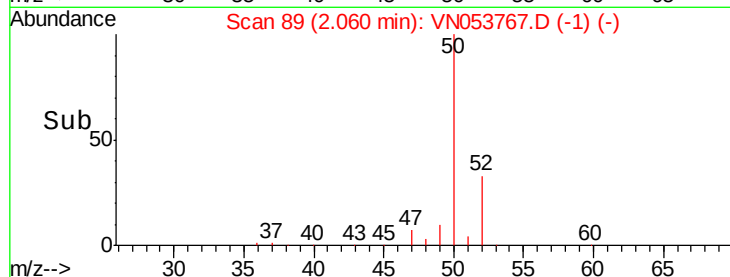
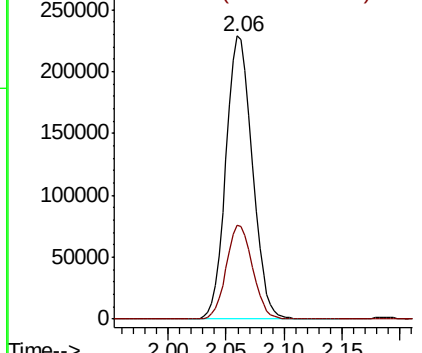
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 52.153 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053767.D

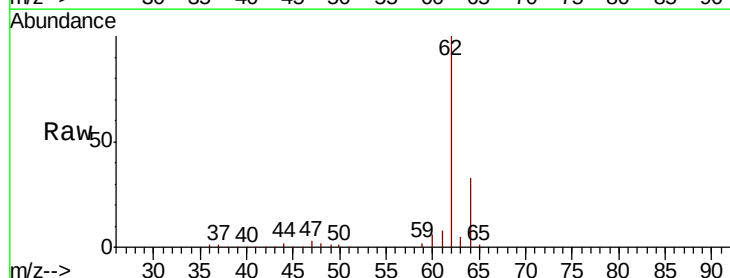
Acq: 13 Feb 2019 20:37

Tgt Ion: 62 Resp: 381373

Ion Ratio Lower Upper

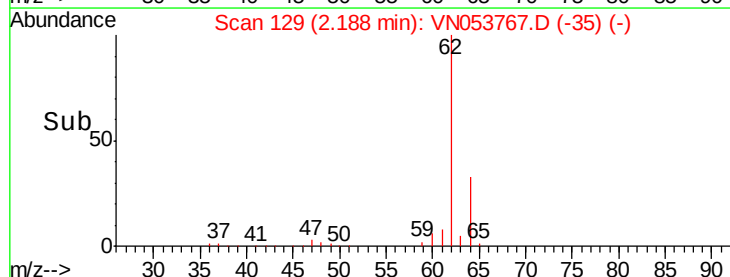
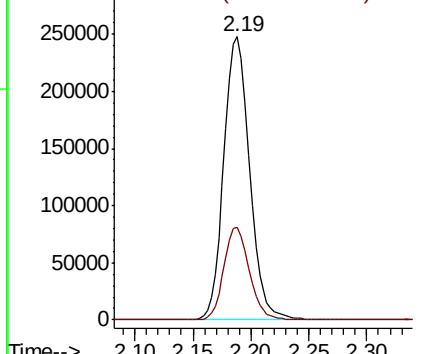
62 100

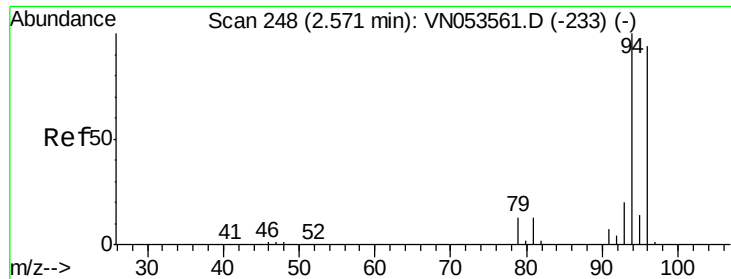
64 32.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 52.685 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

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Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 251905

Ion Ratio Lower Upper

94 100

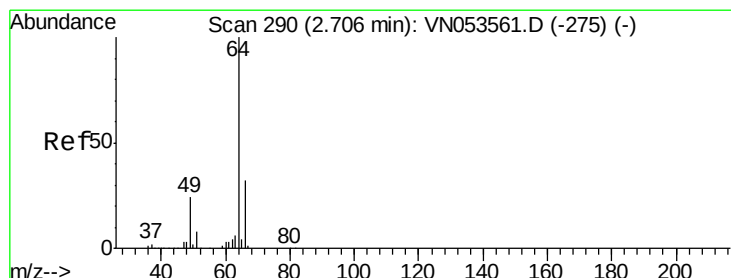
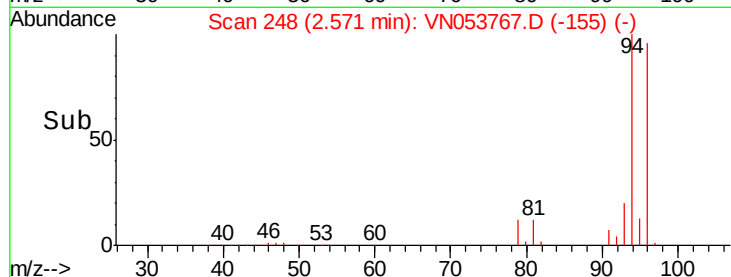
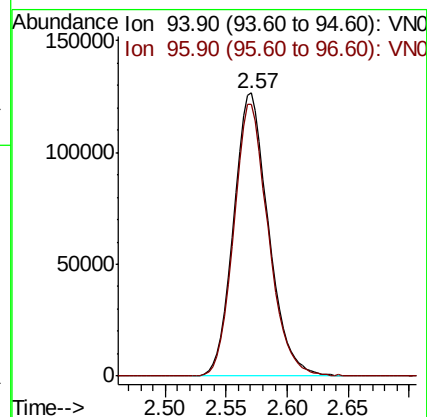
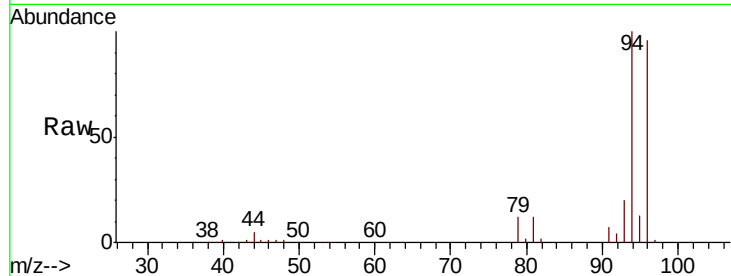
96 96.2 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 54.675 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053767.D

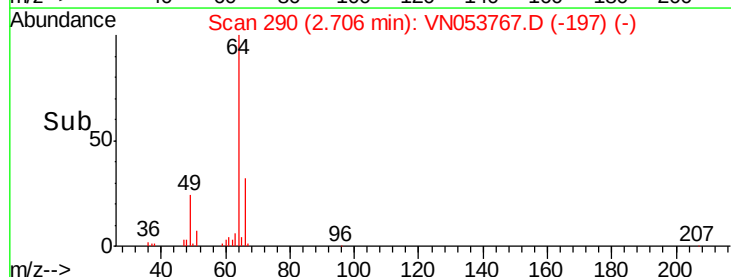
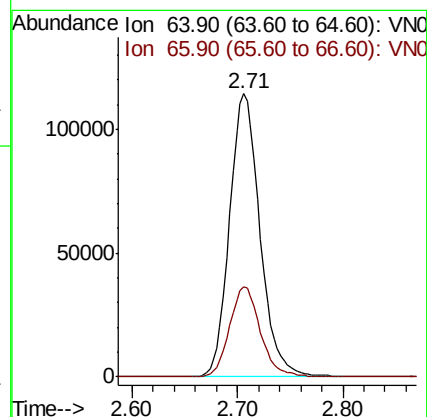
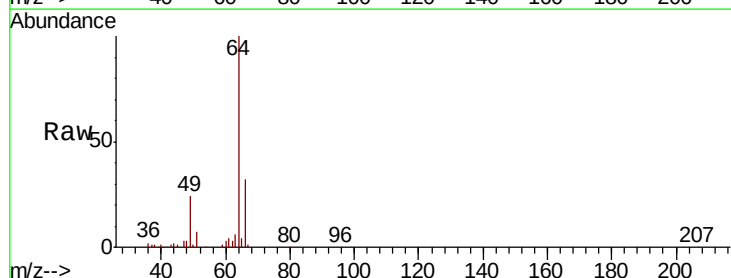
Acq: 13 Feb 2019 20:37

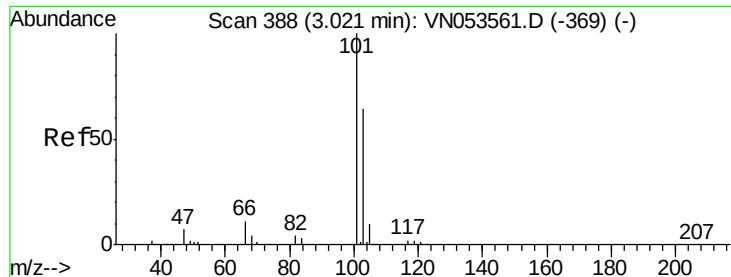
Tgt Ion: 64 Resp: 228477

Ion Ratio Lower Upper

64 100

66 31.9 25.1 37.7





#7

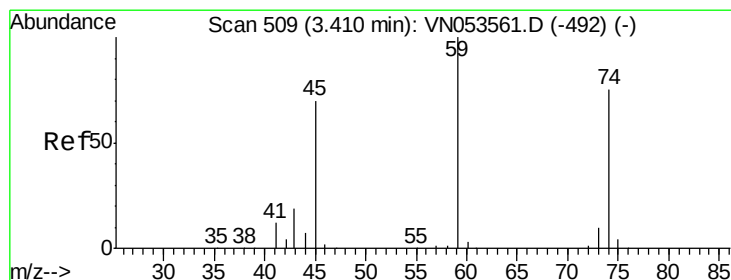
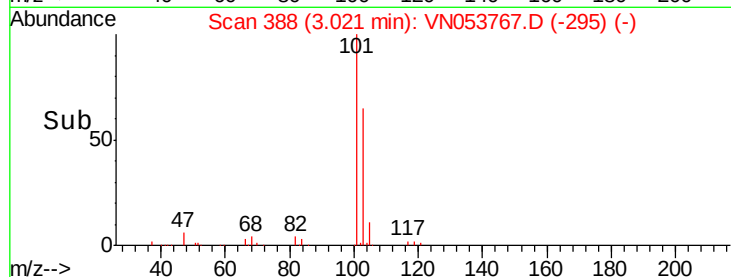
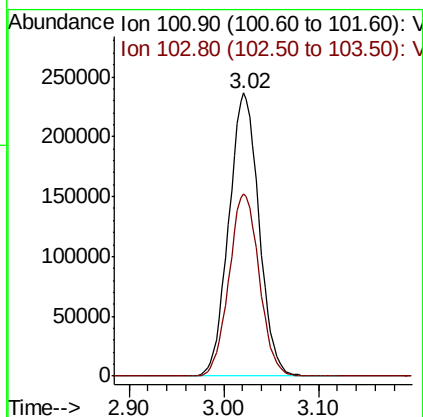
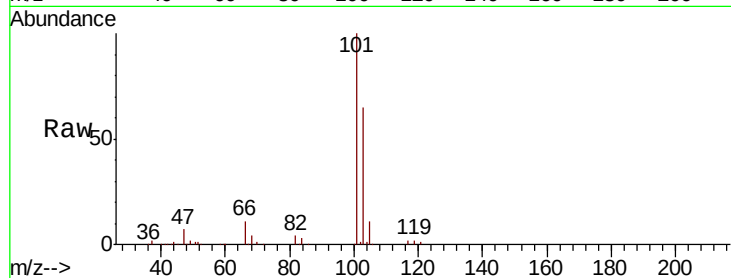
Trichlorofluoromethane
Concen: 52.717 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.6	77.4

Manual Integrations
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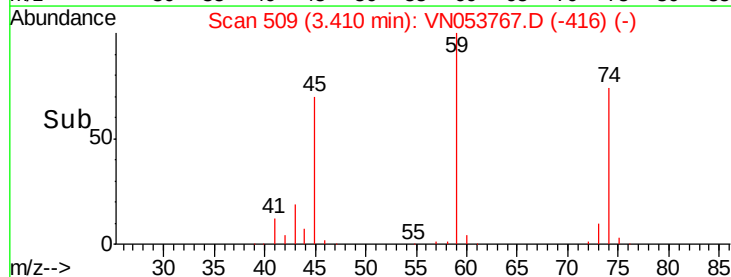
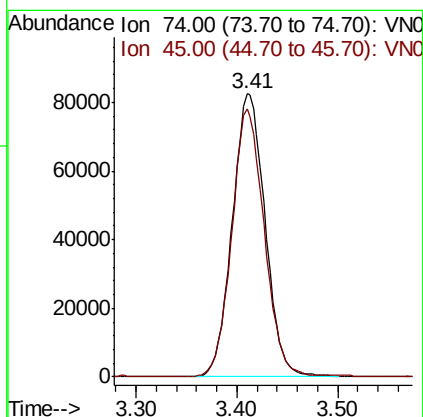
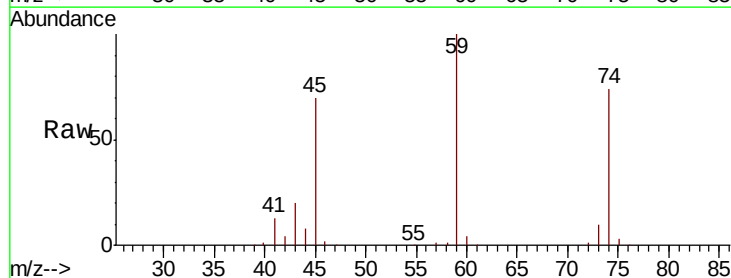
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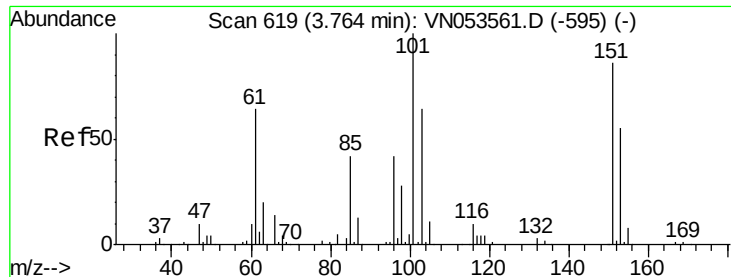


#8

Diethyl Ether
Concen: 51.317 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.0	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.137 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

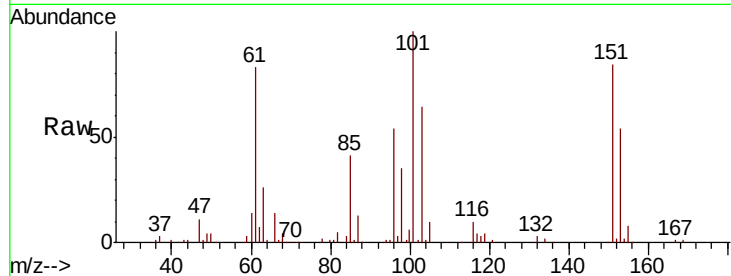
ClientSampled :

VSTDCCC050EC

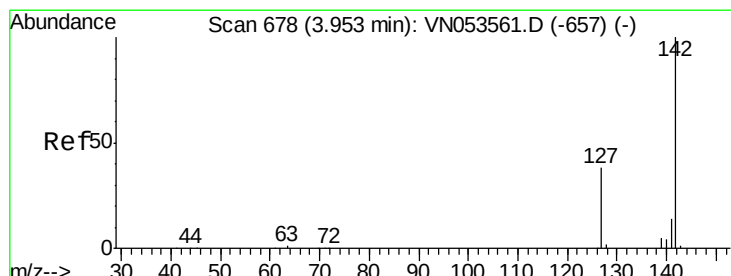
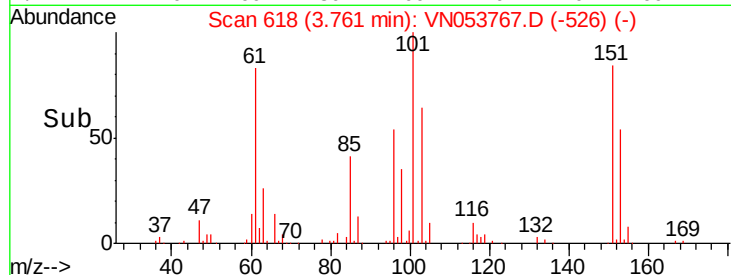
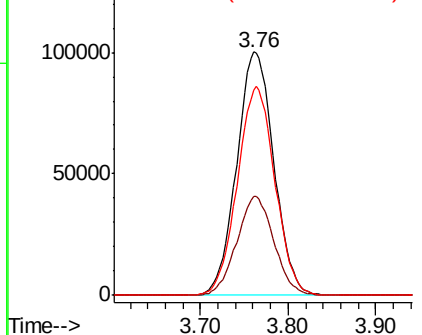
Tot Ion:	101	Resp:	295215
Ion Ratio	Lower	Upper	
101	100		
85	40.5	32.8	49.2
151	86.8	66.9	100.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.067 ug/l

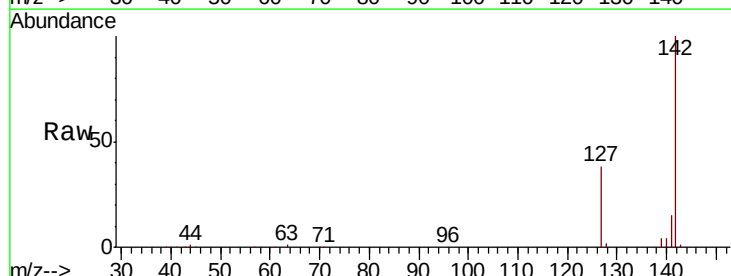
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

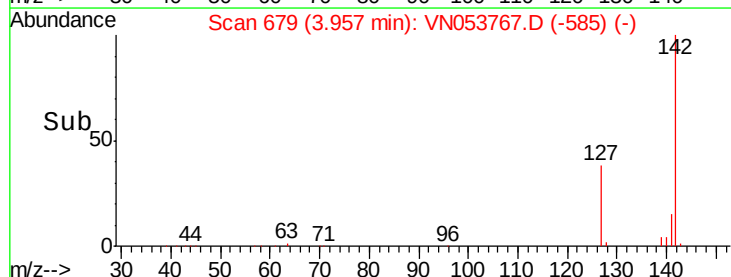
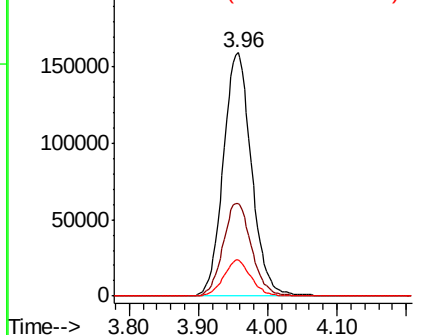
Lab File: VN053767.D

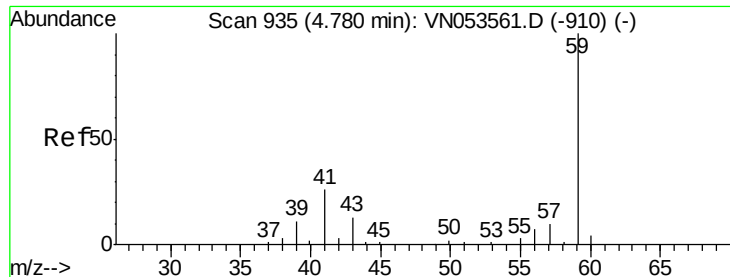
Acq: 13 Feb 2019 20:37

Tgt Ion:	142	Resp:	453061
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.4
141	14.3	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





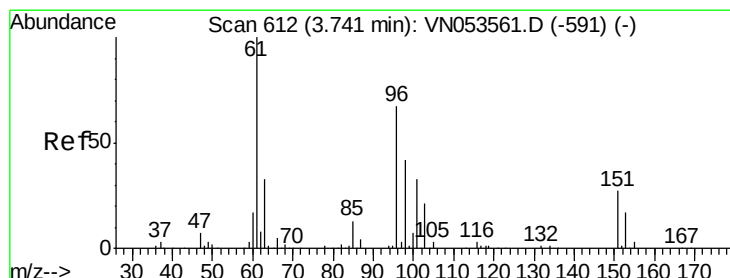
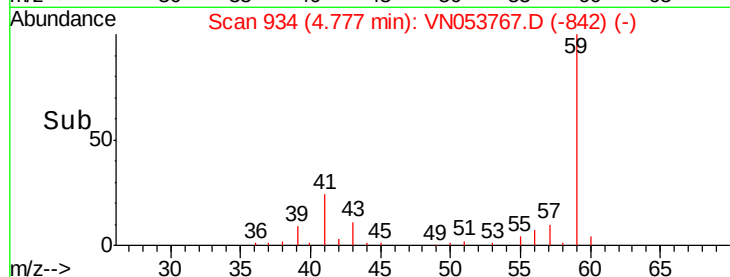
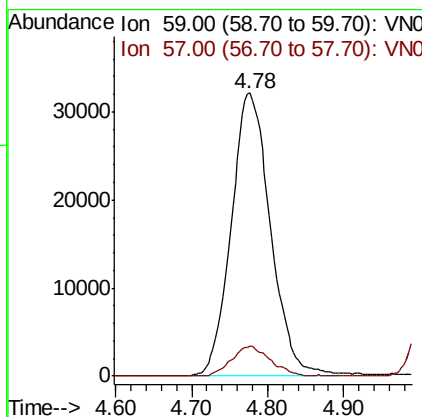
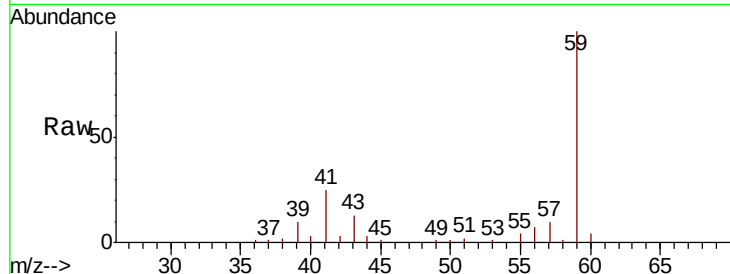
#11
Tert butyl alcohol
Concen: 306.272 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 115379
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

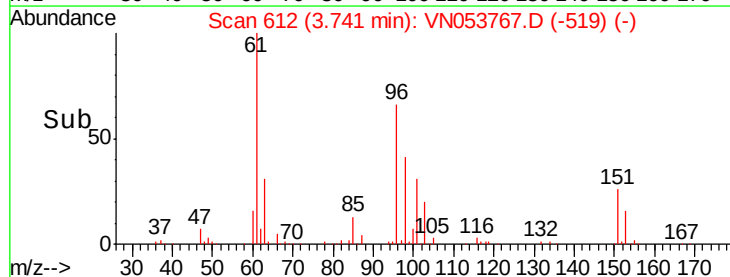
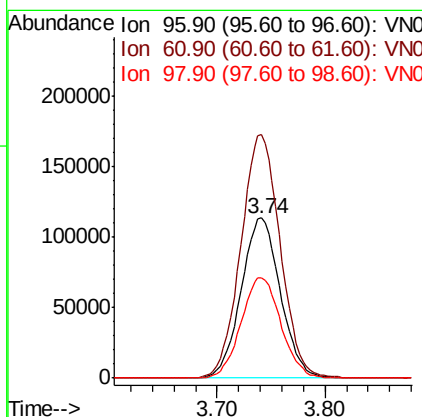
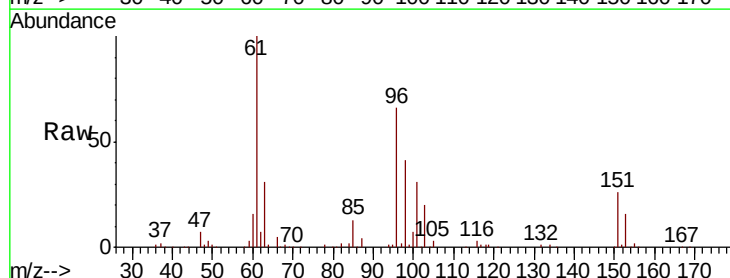
Manual Integrations
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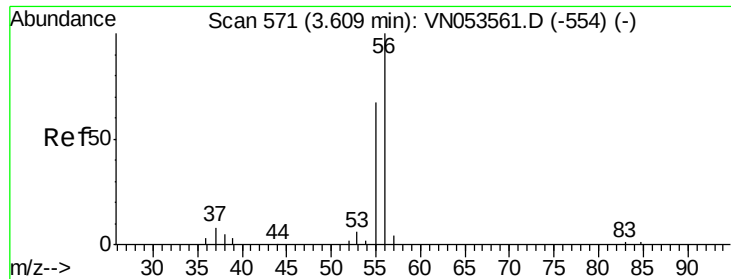
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.692 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 96 Resp: 286102
Ion Ratio Lower Upper
96 100
61 151.9 122.9 184.3
98 62.6 49.4 74.0





#13

Acrolein

Concen: 220.030 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45130

Ion Ratio Lower Upper

56 100

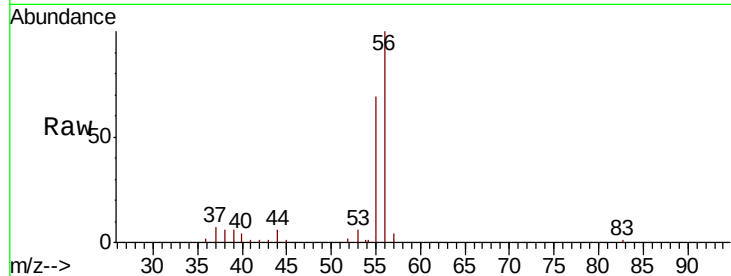
55 69.2 57.4 86.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

10000

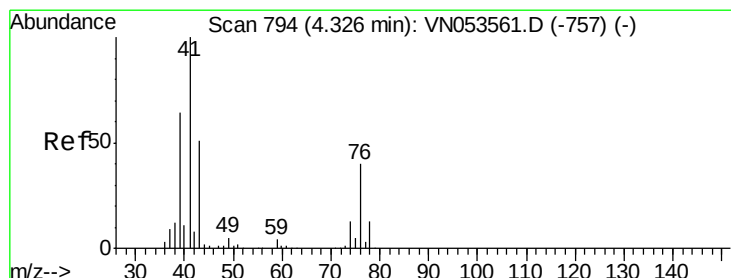
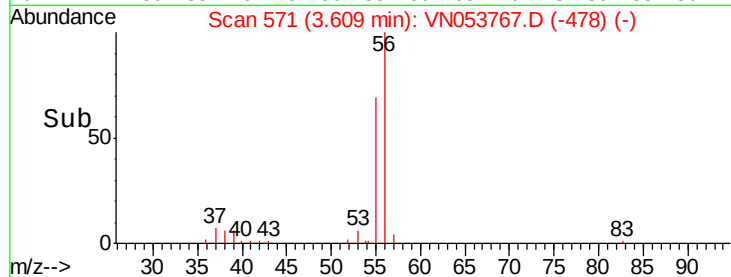
5000

0

Time-->

3.50 3.55 3.60 3.65 3.70

3.61



#14

Allyl chloride

Concen: 49.287 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

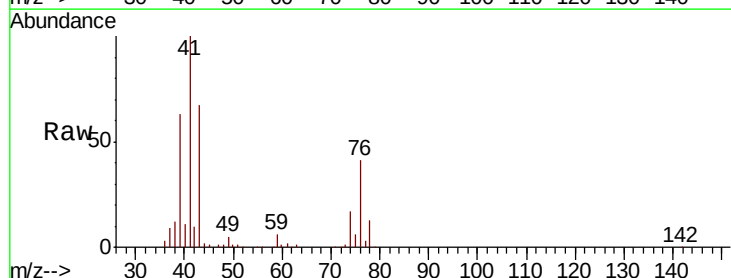
Tgt Ion: 41 Resp: 461102

Ion Ratio Lower Upper

41 100

39 60.5 48.9 73.3

76 38.0 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

200000

150000

100000

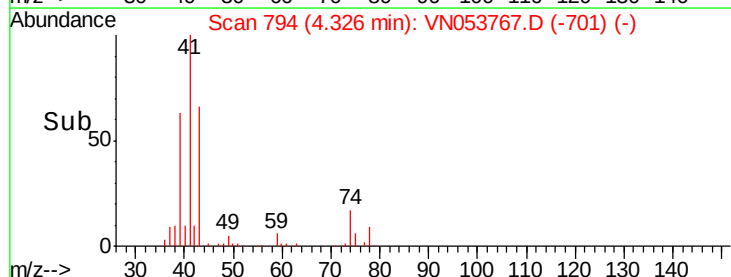
50000

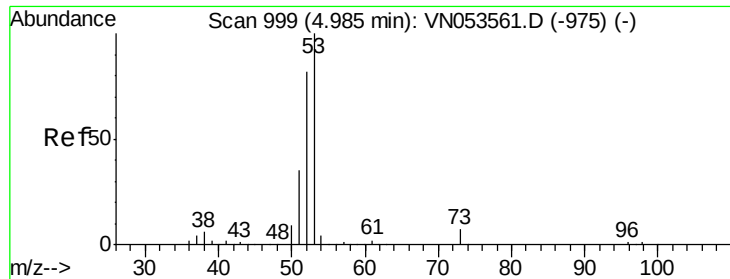
0

Time-->

4.20 4.30 4.40

4.33





#15

Acrylonitrile

Concen: 287.412 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

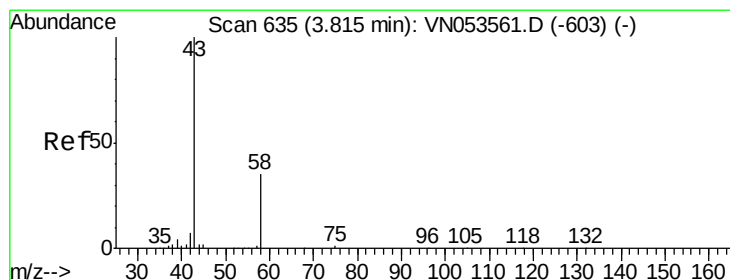
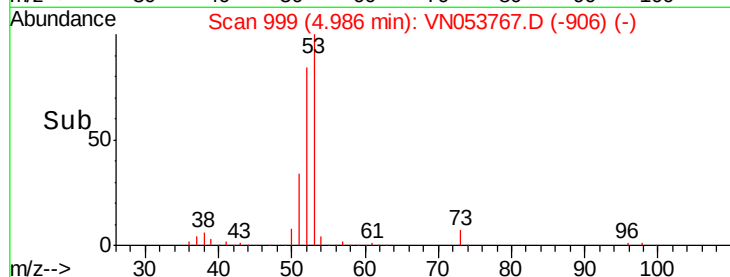
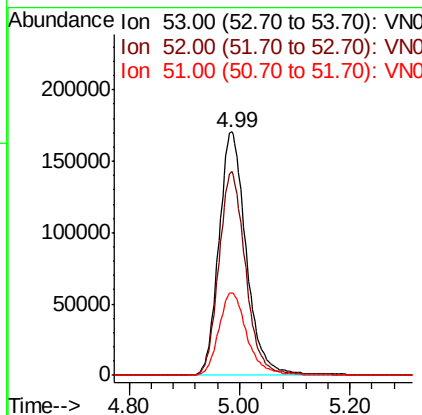
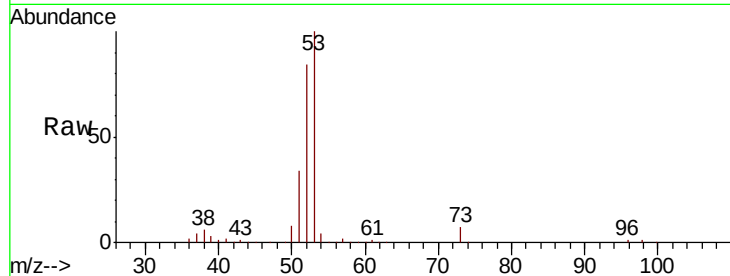
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	584519
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.0	99.0
51	34.8	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 243.816 ug/l

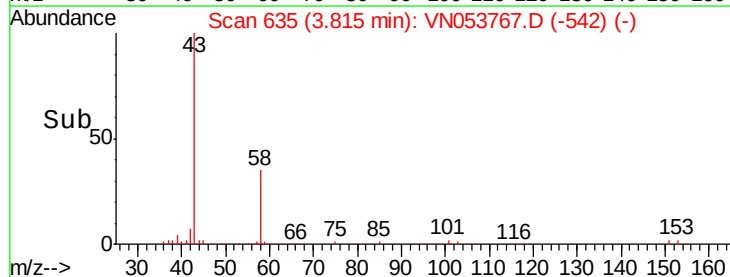
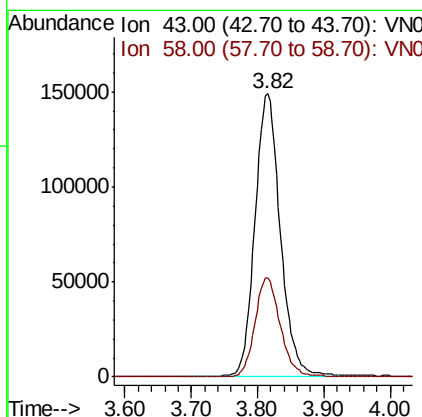
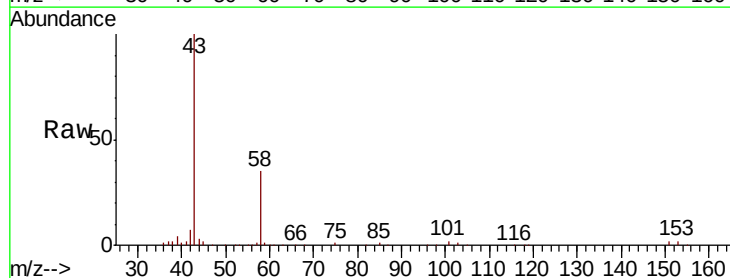
RT: 3.82 min Scan# 635

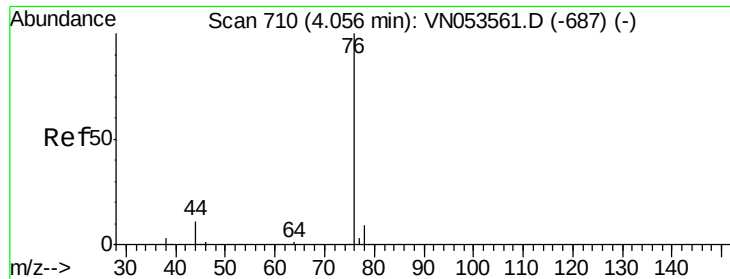
Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Tgt Ion:	43	Resp:	398090
Ion Ratio	Lower	Upper	
43	100		
58	34.8	27.1	40.7





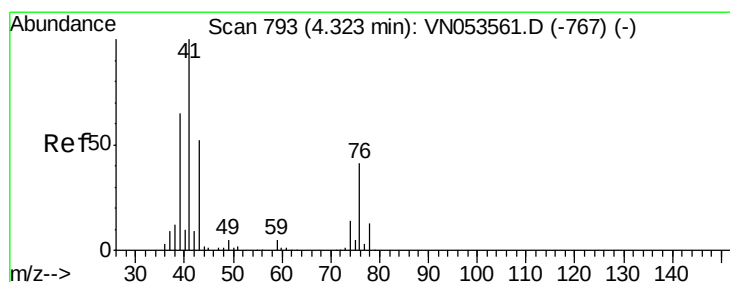
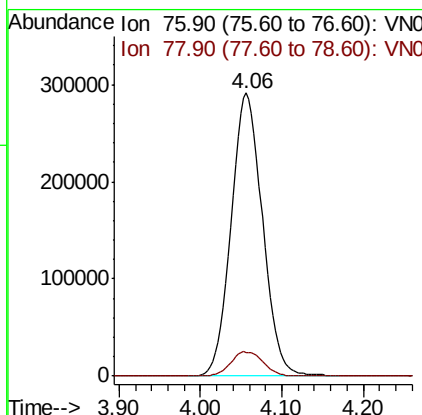
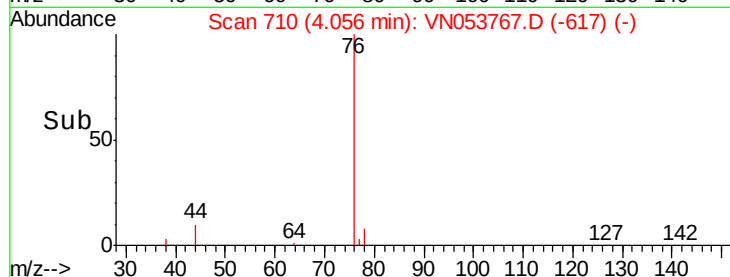
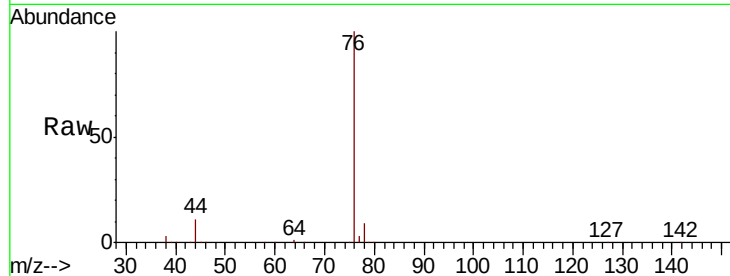
#17
Carbon Disulfide
Concen: 42.614 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.3	10.9

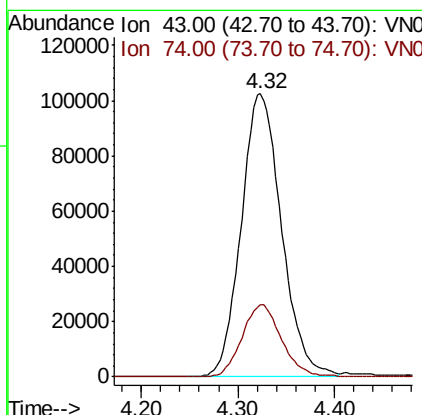
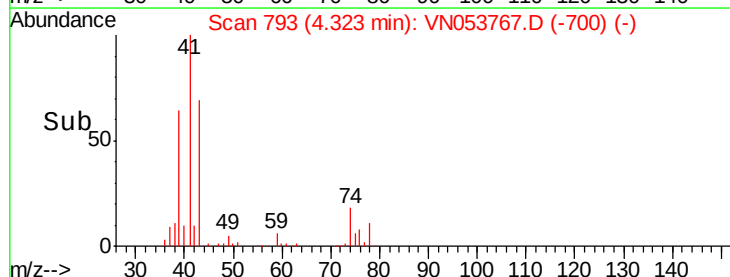
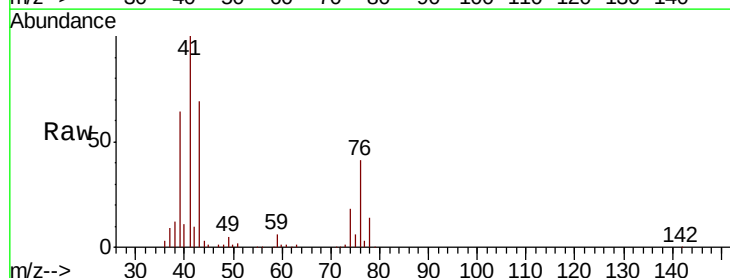
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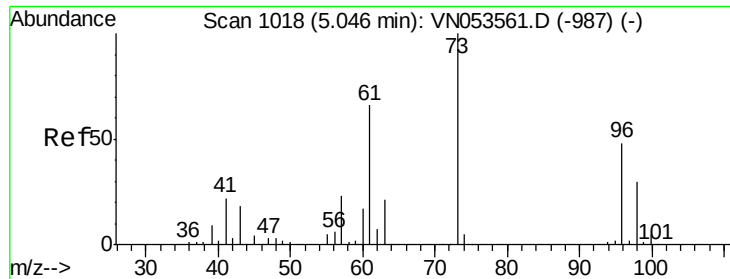
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#18
Methyl Acetate
Concen: 61.078 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.4	29.2





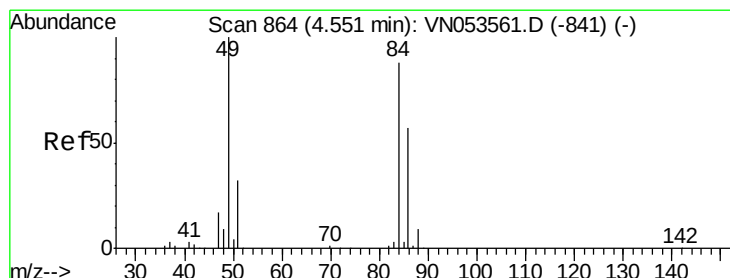
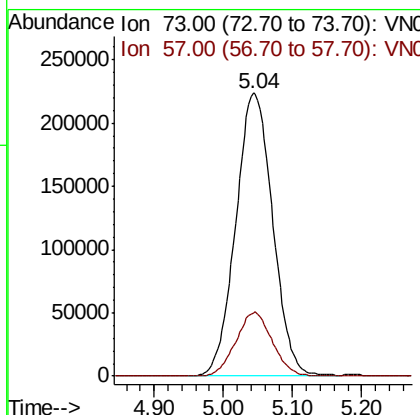
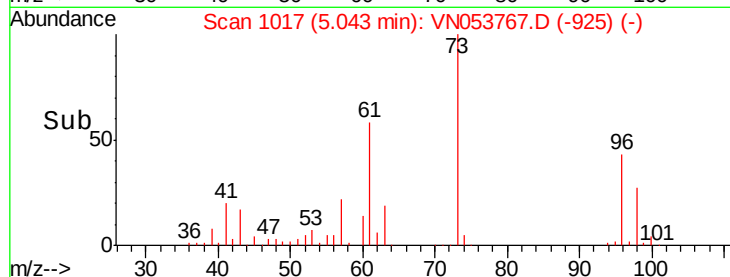
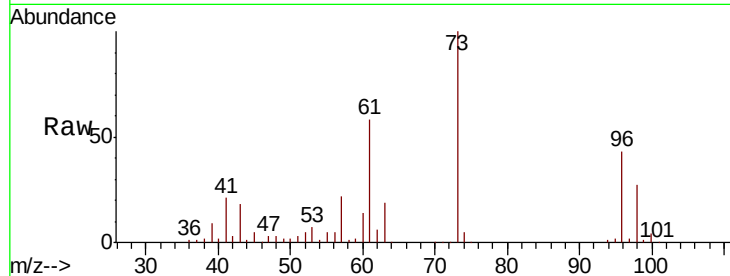
#19
Methyl tert-butyl Ether
Concen: 55.719 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 829950
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5

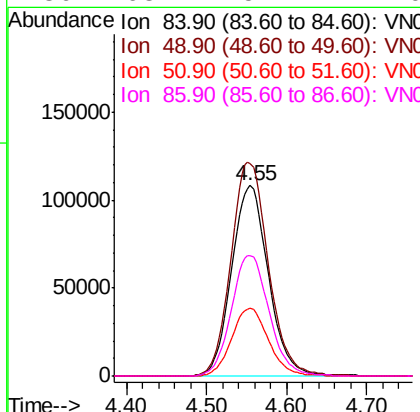
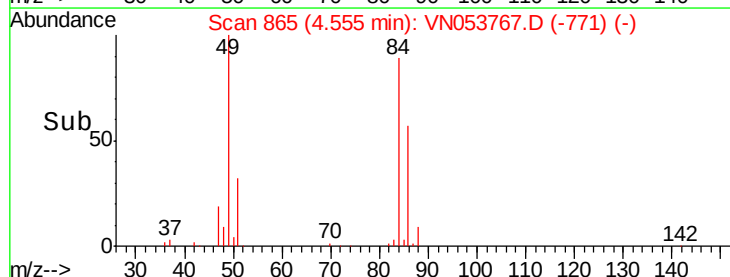
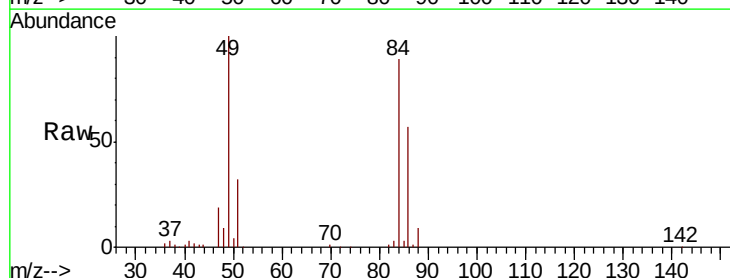
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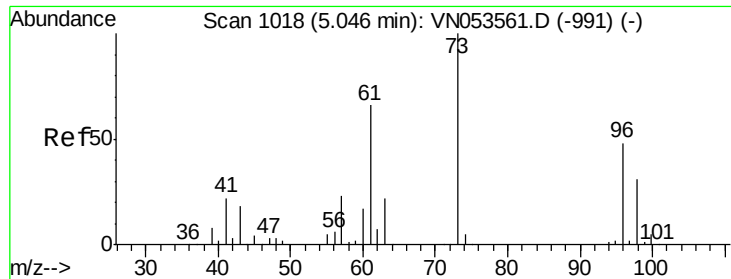
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#20
Methylene Chloride
Concen: 49.342 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 84 Resp: 337995
Ion Ratio Lower Upper
84 100
49 111.8 94.3 141.5
51 35.4 29.4 44.2
86 63.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 48.270 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

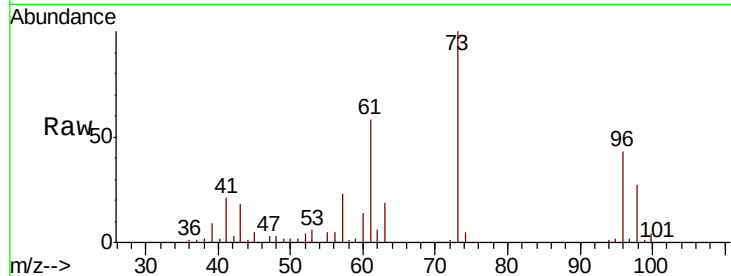
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	305990
Ion	Ratio	Lower	Upper
96	100		
61	135.0	110.1	165.1
98	63.4	50.0	75.0

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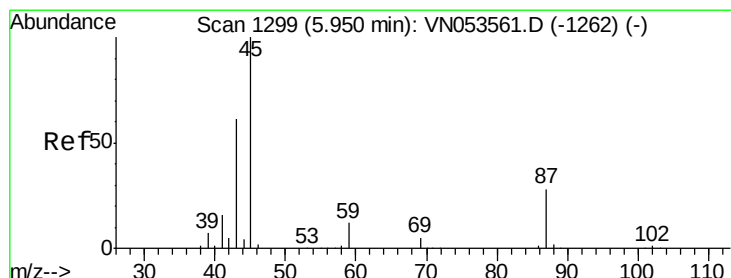
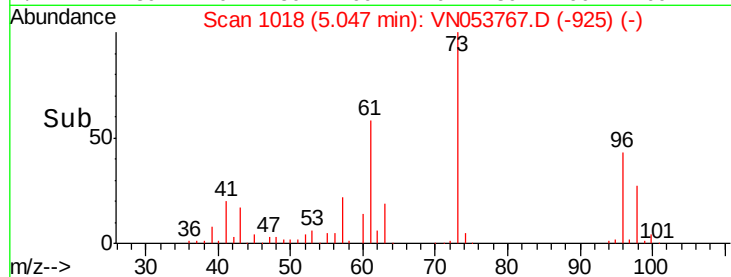
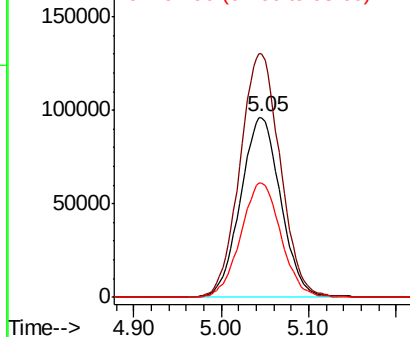


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 54.249 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Tgt Ion:	45	Resp:	940402
Ion	Ratio	Lower	Upper
45	100		
43	55.2	44.2	66.4
87	28.5	22.7	34.1
59	12.0	9.4	14.2

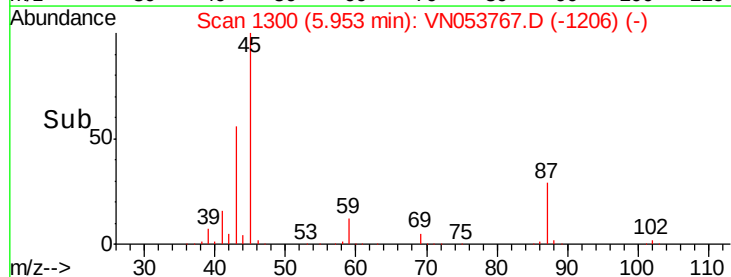
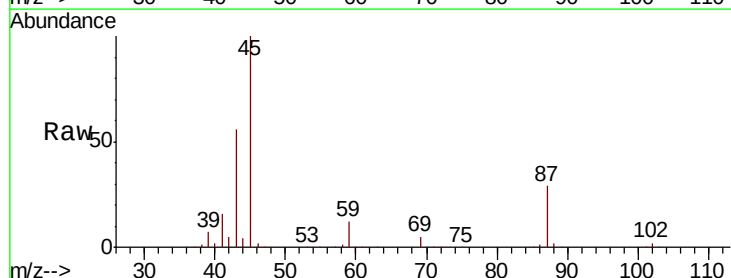
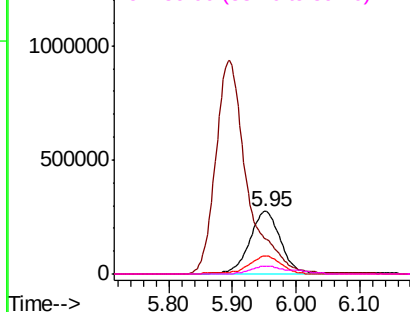
Abundance

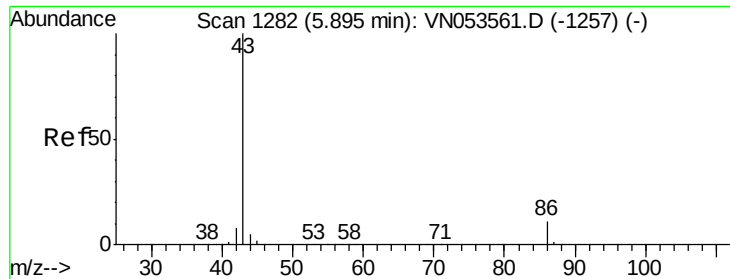
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





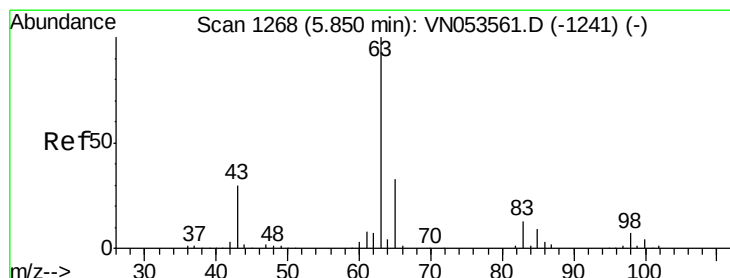
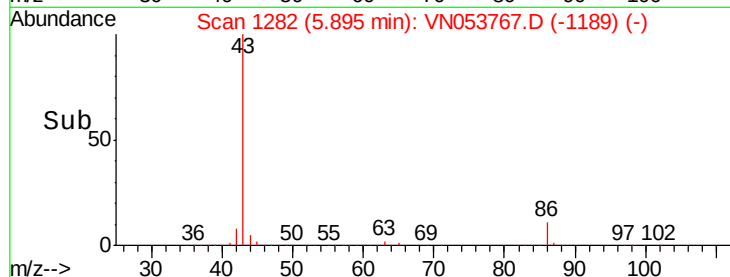
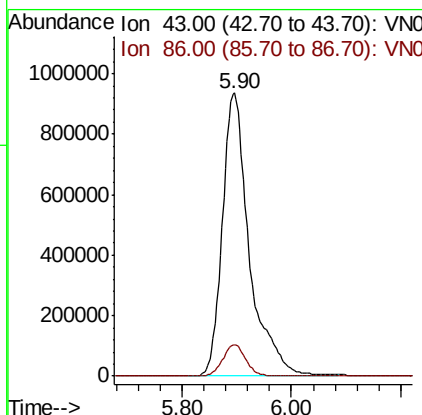
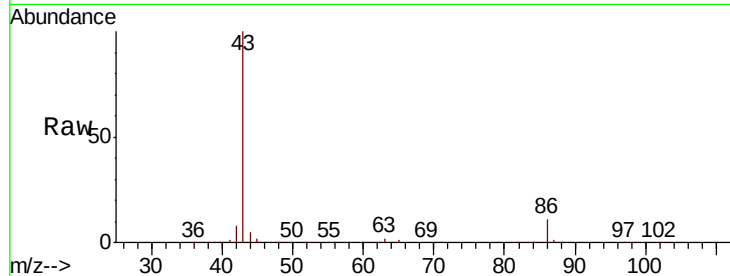
#23
 Vinyl Acetate
 Concen: 267.787 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3211317
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.4 12.6

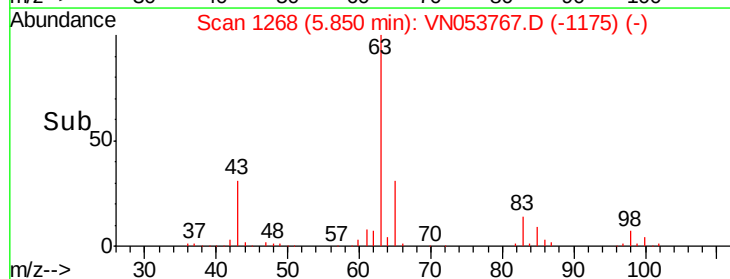
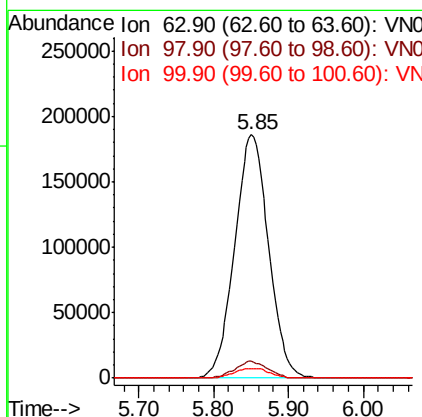
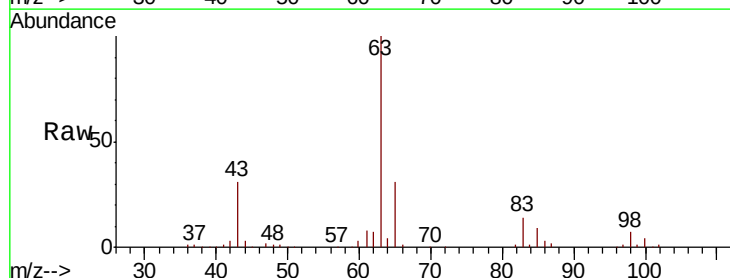
Manual Integrations
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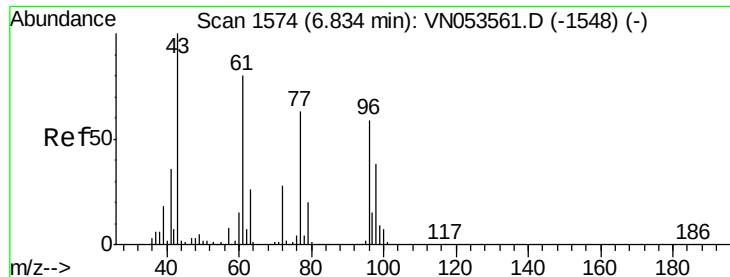
MMDadoda
 2/14/2019 10:39:18 AM



#24
 1,1-Dichloroethane
 Concen: 50.639 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion: 63 Resp: 585495
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 271.739 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 632786

Ion Ratio Lower Upper

43 100

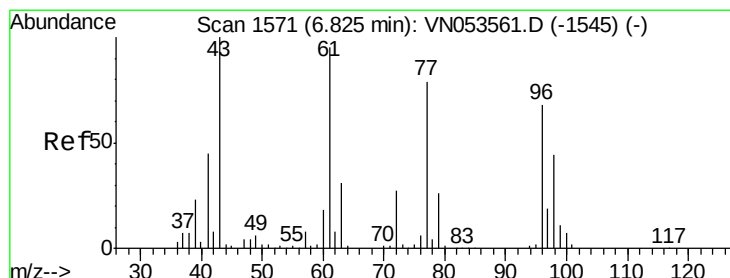
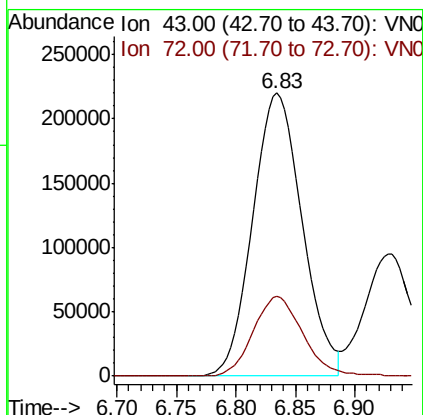
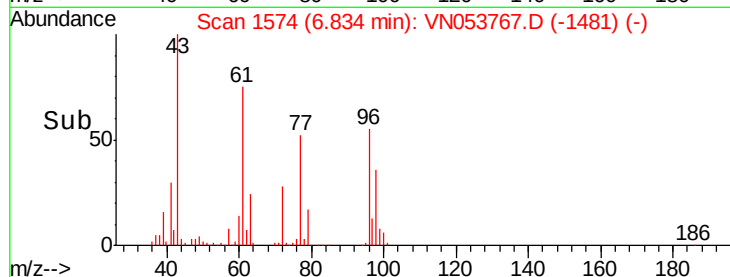
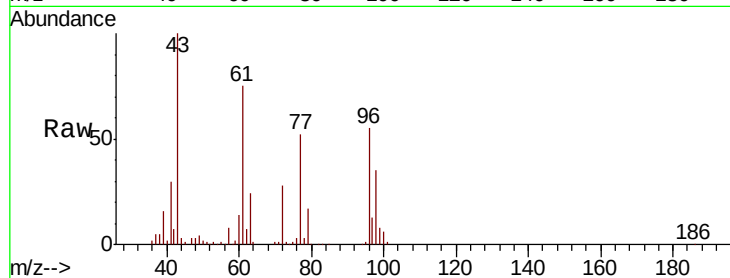
72 28.3 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.039 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053767.D

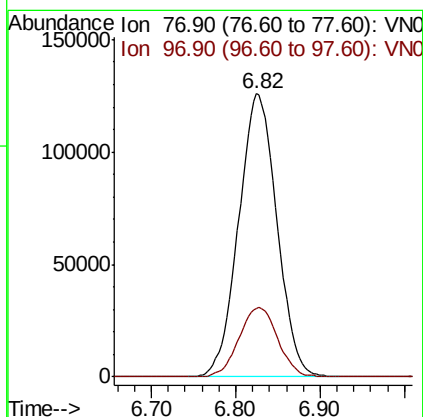
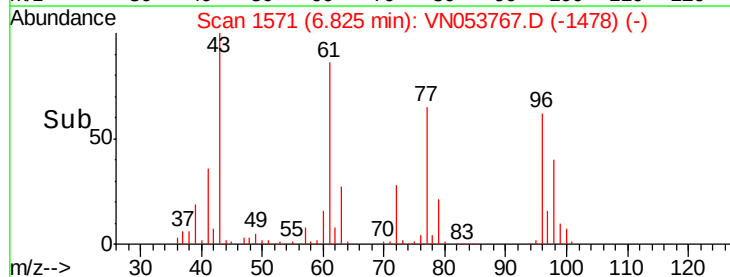
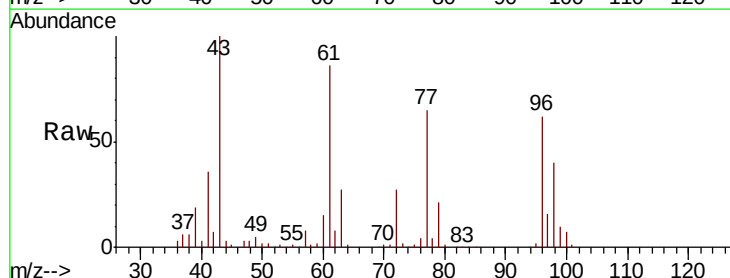
Acq: 13 Feb 2019 20:37

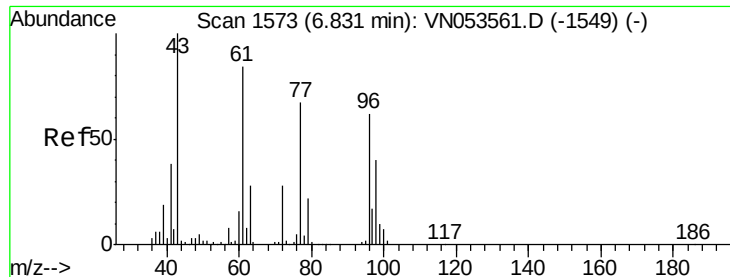
Tgt Ion: 77 Resp: 397527

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.074 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

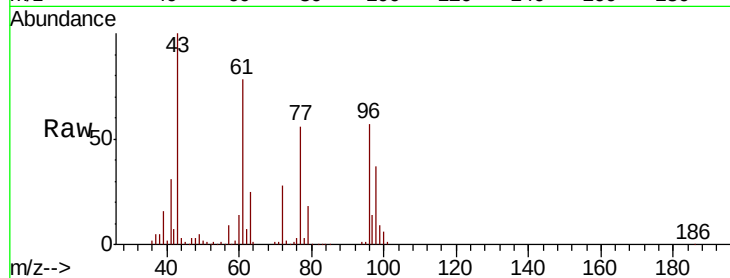
ClientSampleId :

VSTDCCC050EC

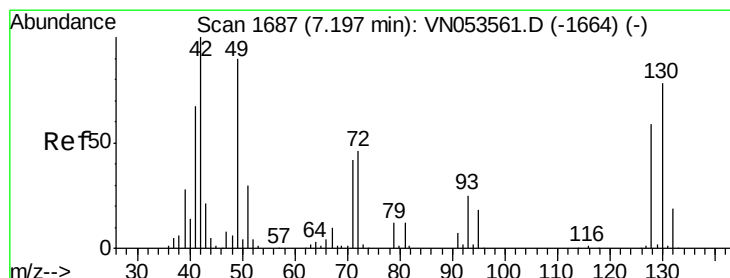
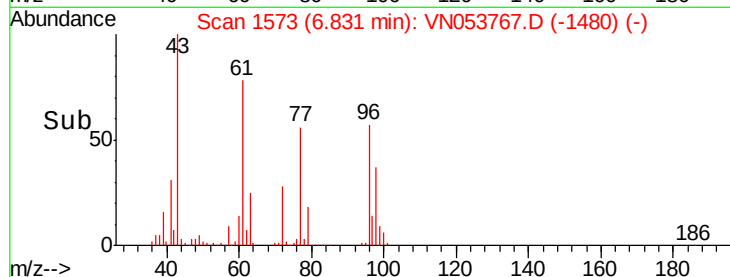
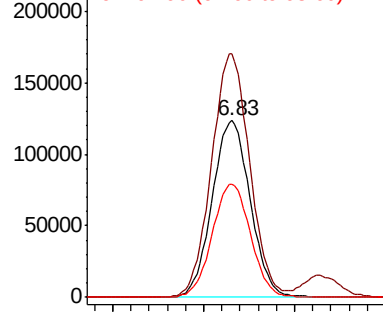
Tot Ion:	96	Resp:	360016
Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	283.8
98	64.5	0.0	129.2

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Abundance Ion 95.90 (95.60 to 96.60): VN053767.D (-1480) (-)



#28

Bromochloromethane

Concen: 53.168 ug/l

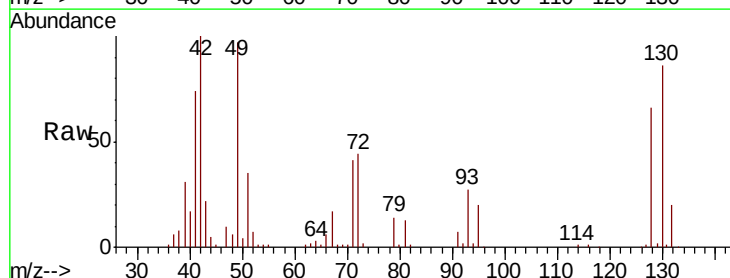
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

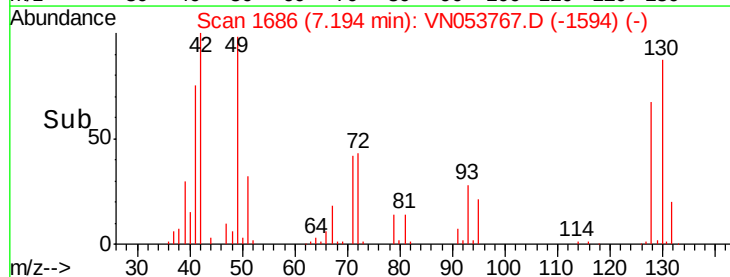
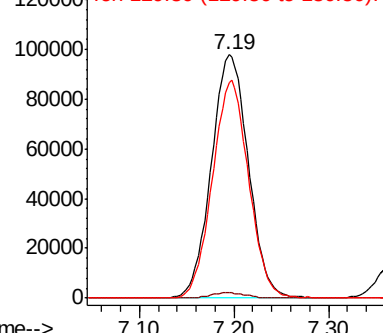
Lab File: VN053767.D

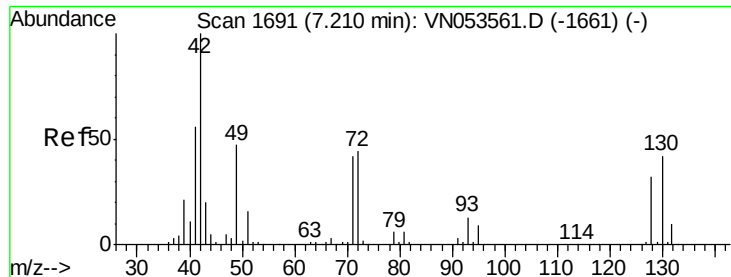
Acq: 13 Feb 2019 20:37

Tgt Ion:	49	Resp:	266775
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	87.2	66.3	99.5



Abundance Ion 48.90 (48.60 to 49.60): VN053767.D (-1594) (-)





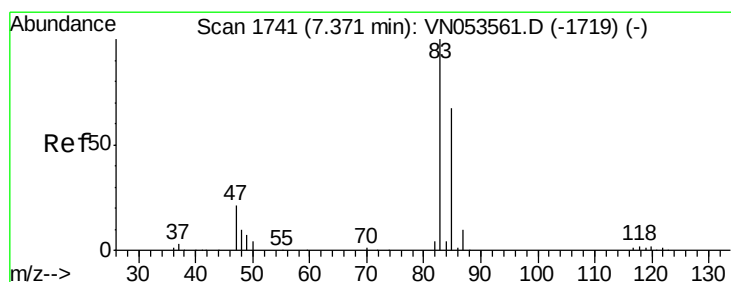
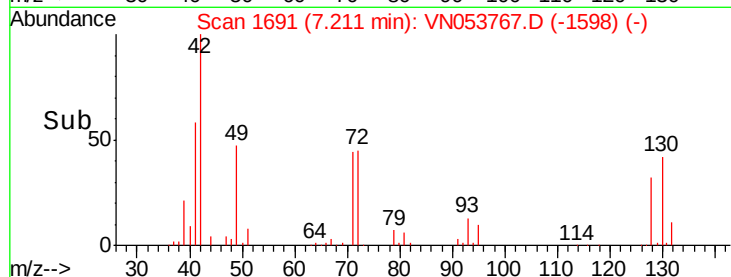
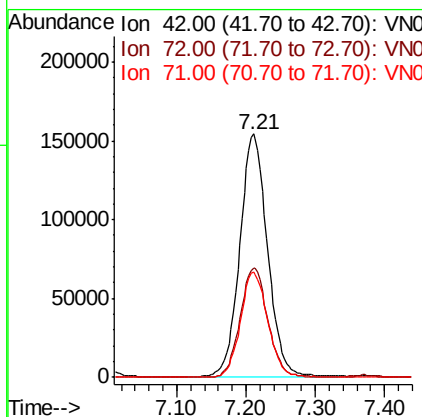
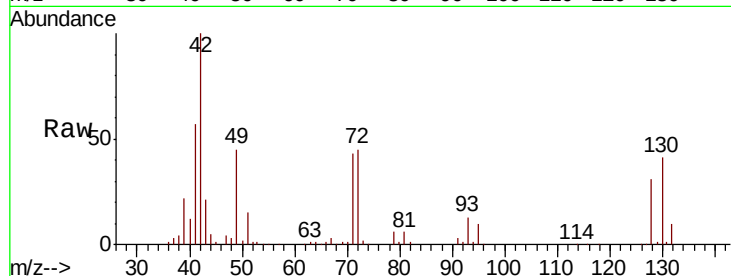
#29
Tetrahydrofuran
Concen: 287.187 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.2	52.8
71	42.4	33.0	49.4

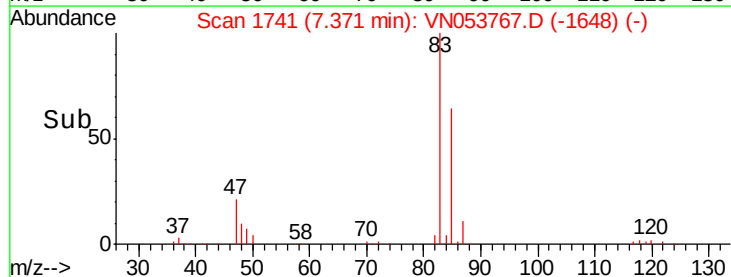
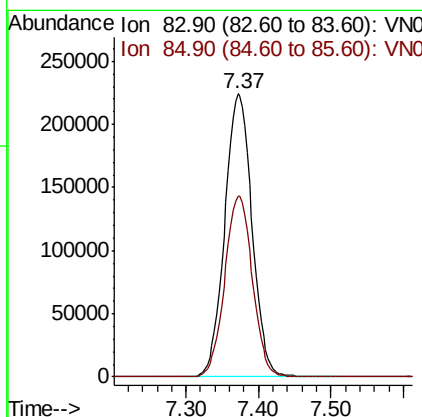
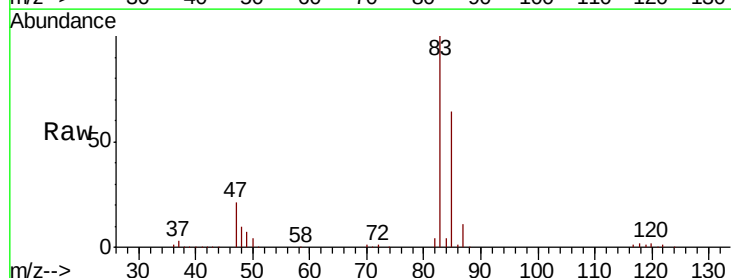
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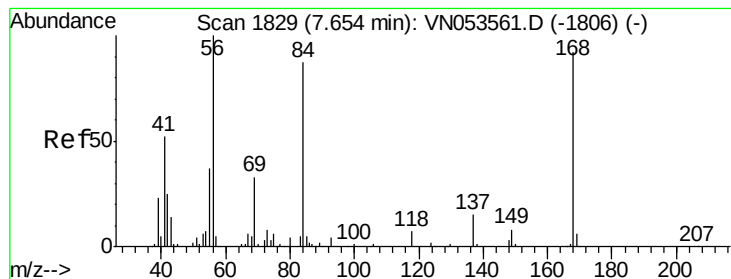
MMDadoda
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#30
Chloroform
Concen: 51.150 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.2	78.2





#31

Cyclohexane

Concen: 46.020 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

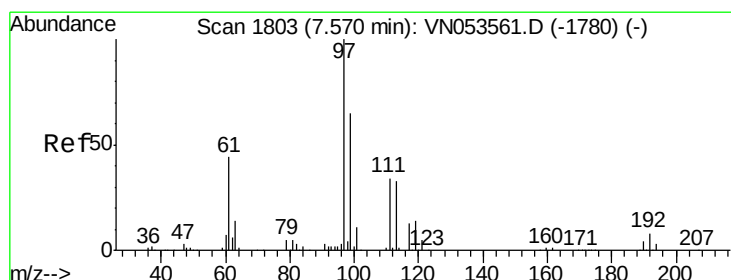
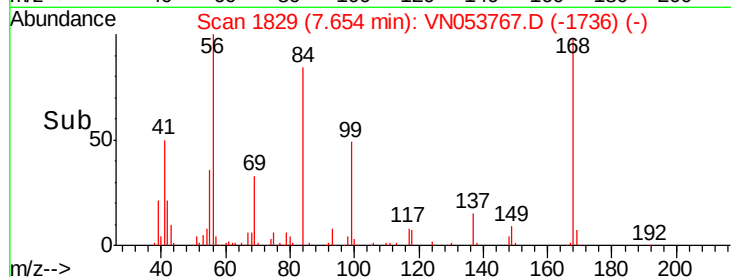
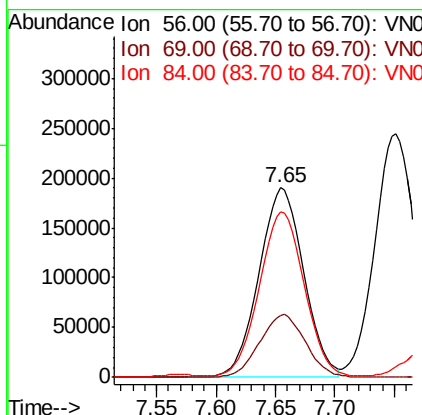
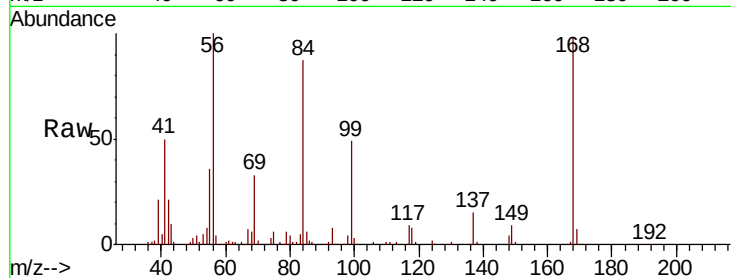
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.8	26.4	39.6	
84	85.7	67.9	101.9	

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#32

1,1,1-Trichloroethane

Concen: 51.418 ug/l

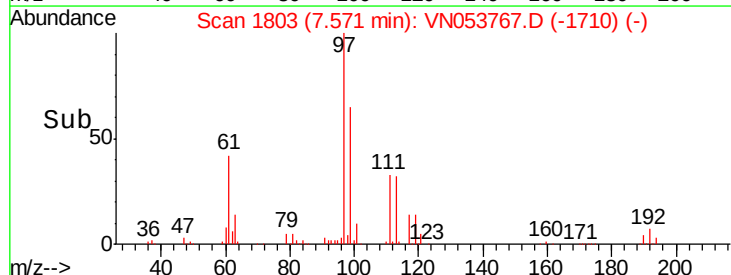
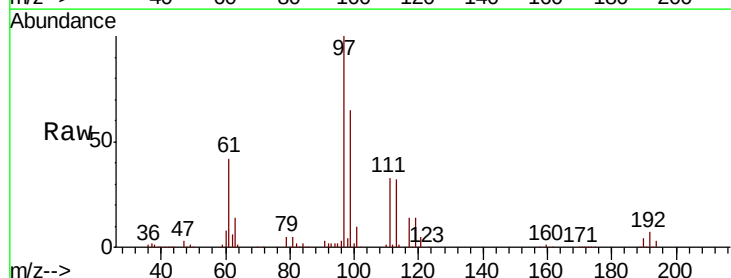
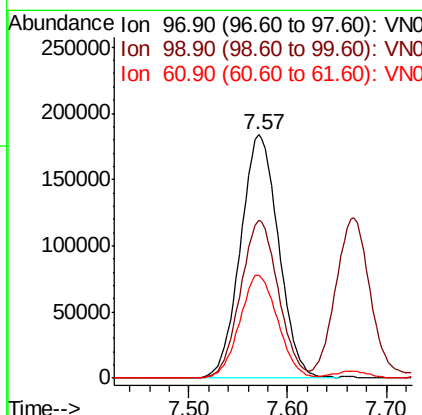
RT: 7.57 min Scan# 1803

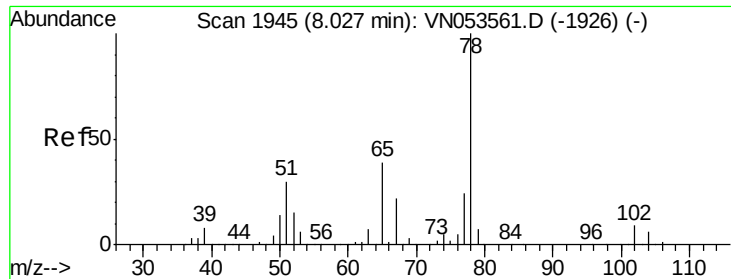
Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.5	52.0	78.0	
61	42.4	34.4	51.6	





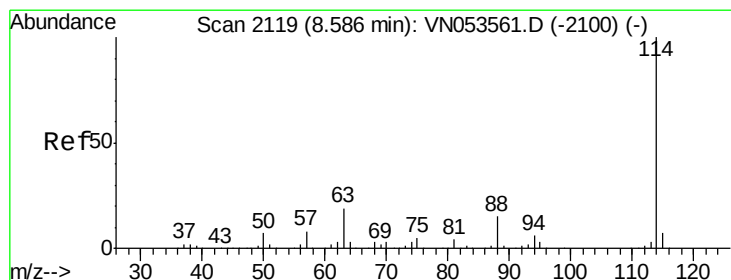
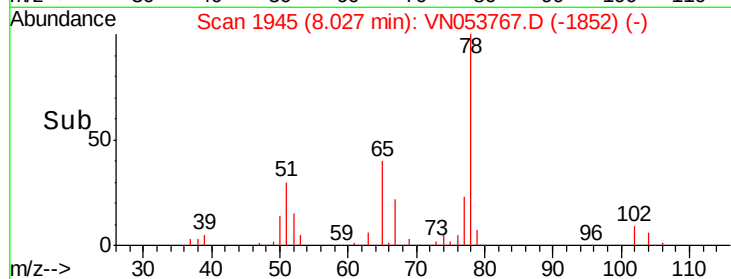
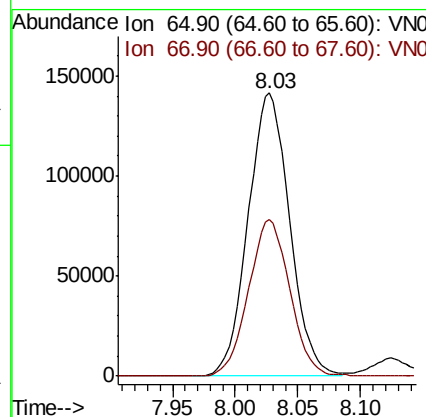
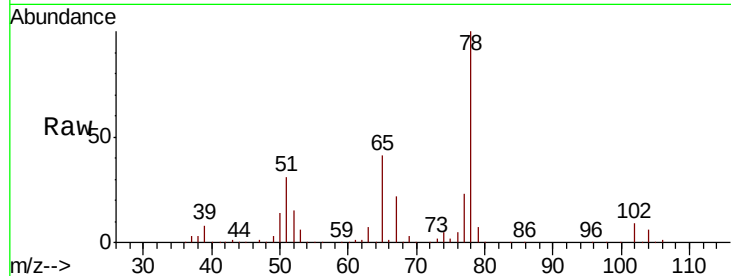
#33
 1,2-Dichloroethane-d4
 Concen: 51.240 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.1	0.0	111.2	

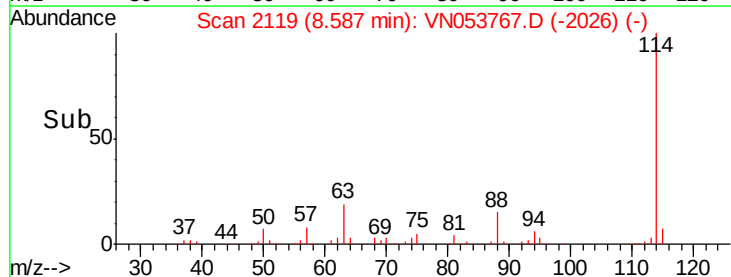
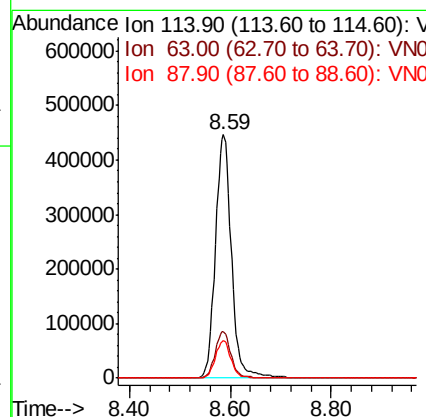
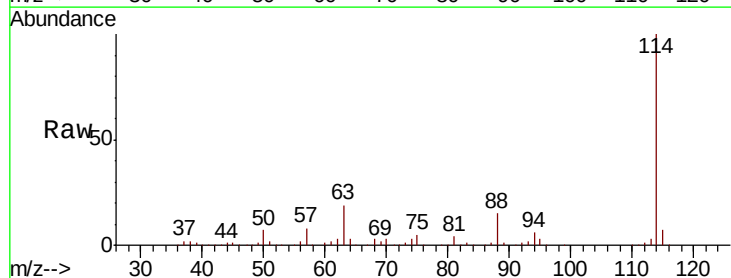
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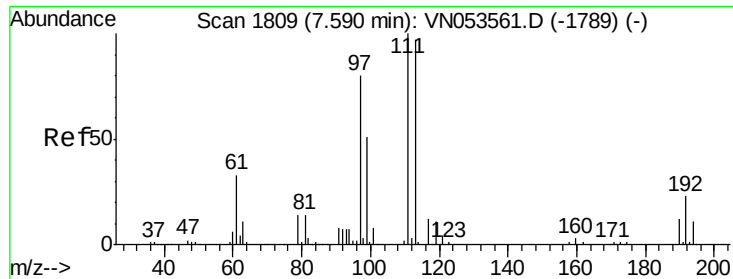
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	38.6	
88	15.4	0.0	30.4	





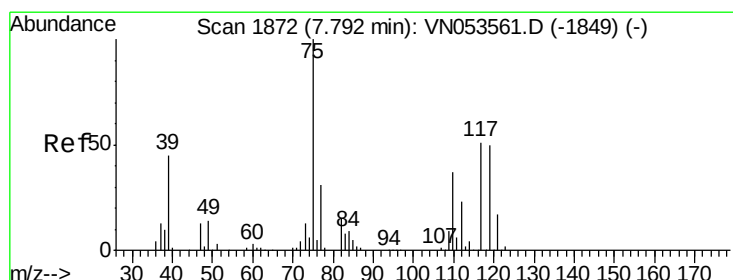
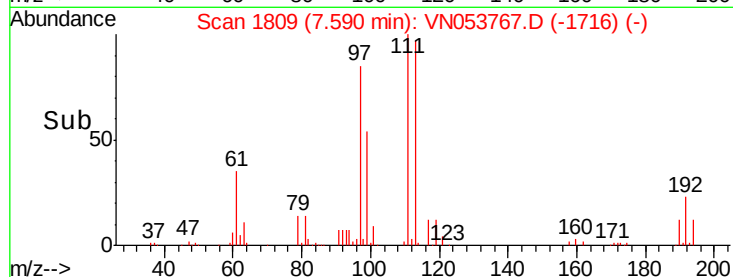
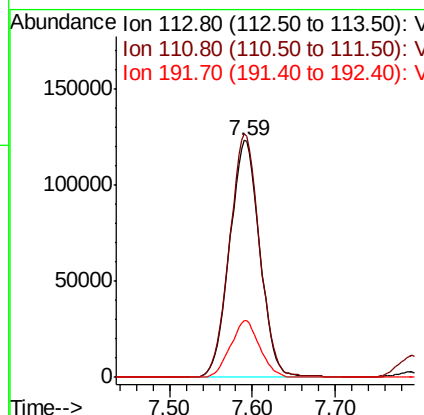
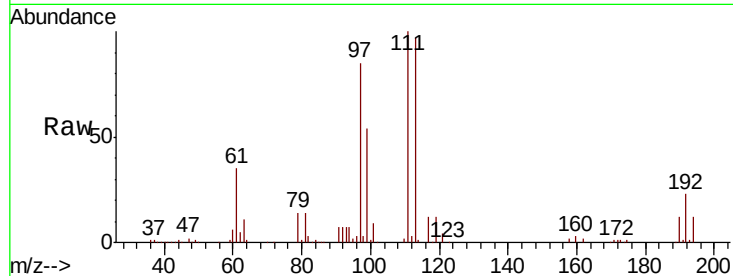
#35
 Dibromofluoromethane
 Concen: 50.165 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	312651		
111	102.5	81.1	121.7	
192	23.3	18.2	27.2	

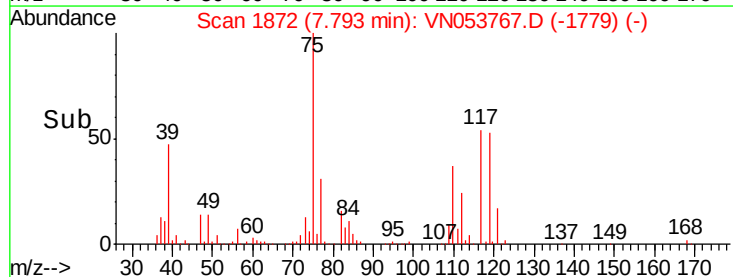
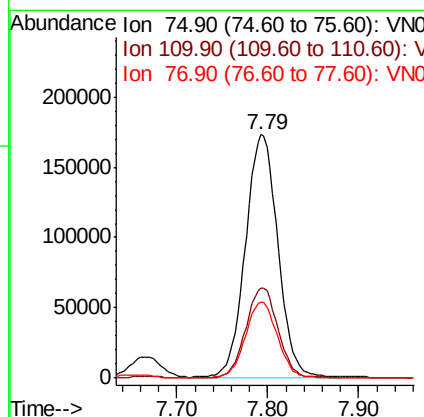
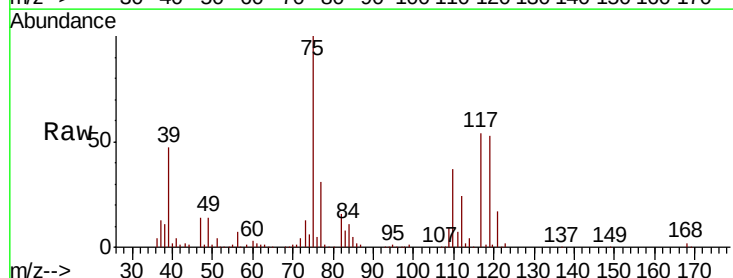
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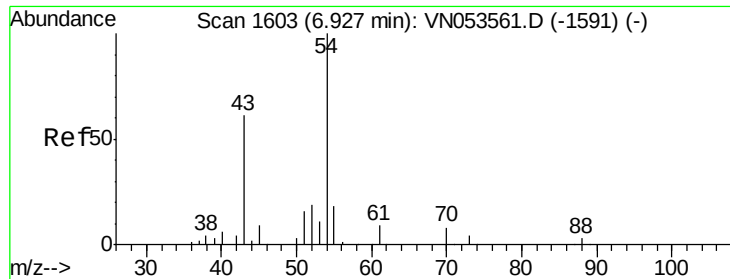
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#36
 1,1-Dichloropropene
 Concen: 47.917 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	426047		
110	37.4	18.1	54.3	
77	31.7	25.1	37.7	





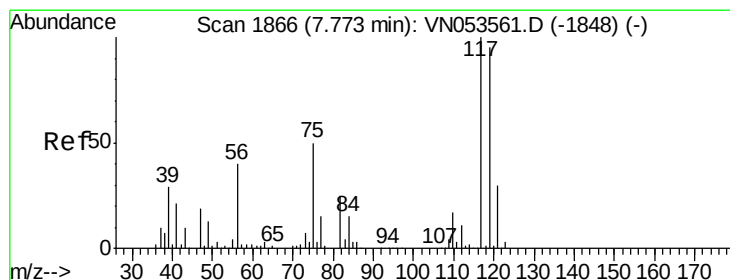
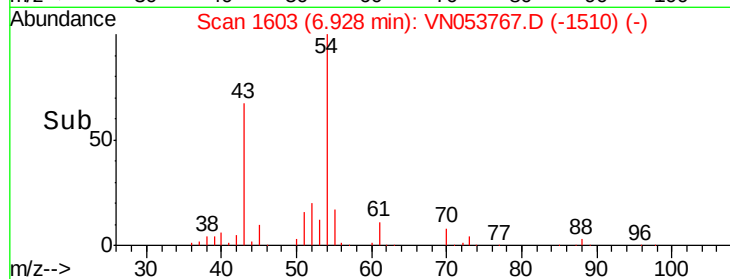
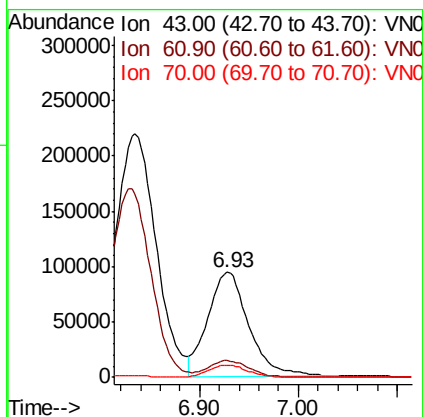
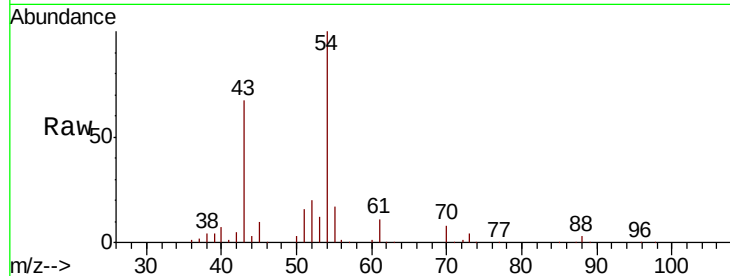
#37
Ethyl Acetate
Concen: 55.303 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.6
70	10.8	8.6	12.8

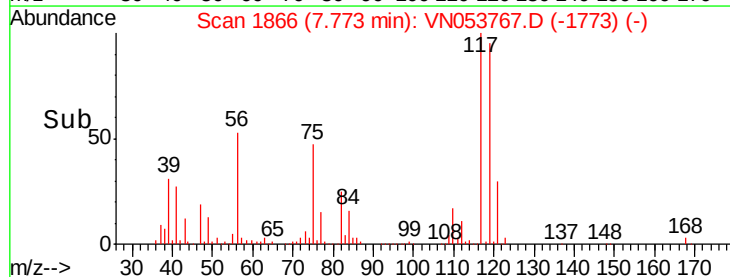
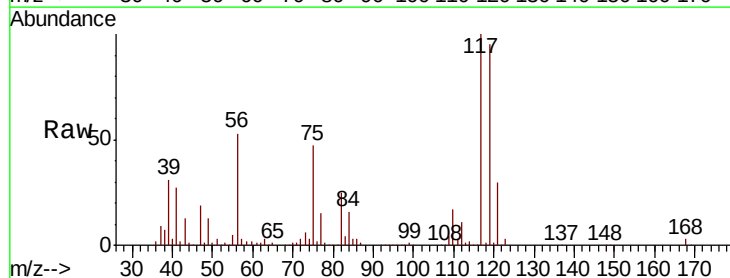
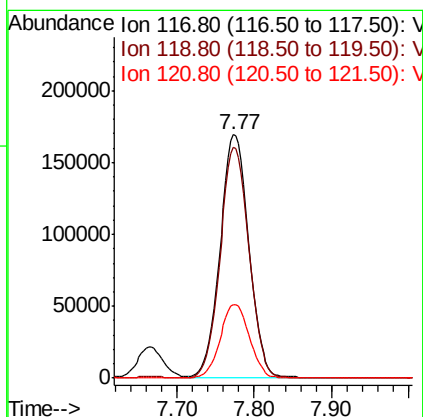
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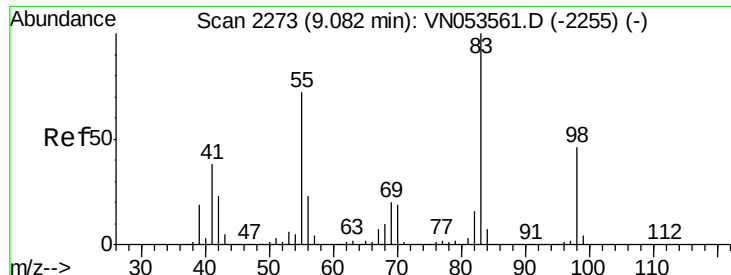
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#38
Carbon Tetrachloride
Concen: 48.848 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.2	115.8
121	30.2	24.6	37.0





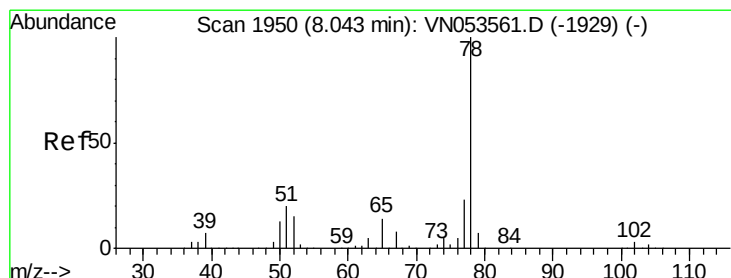
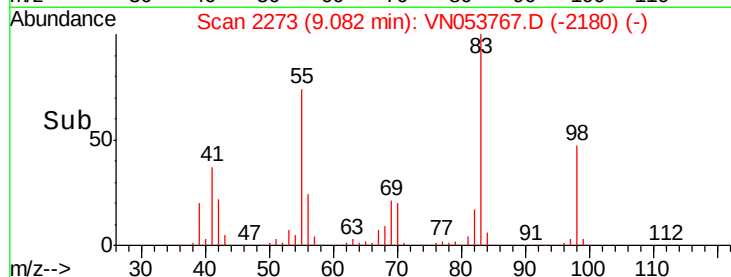
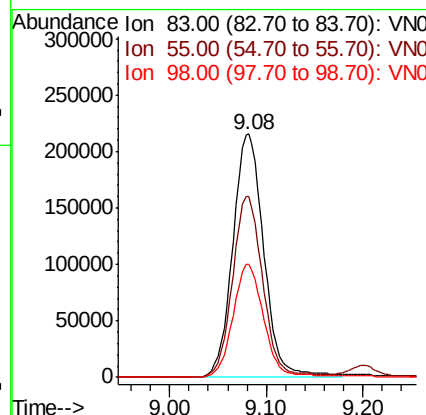
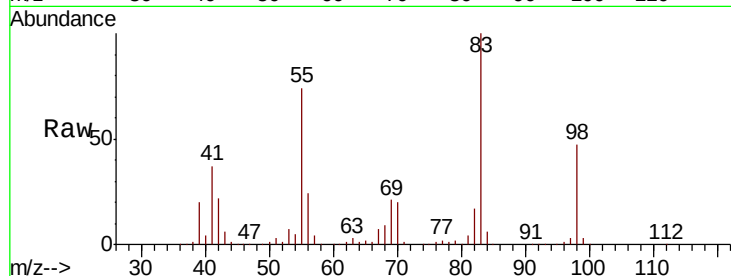
#39
Methylvlcyclohexane
Concen: 45.569 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	480690		
55	74.1		60.1	90.1
98	46.7		36.6	55.0

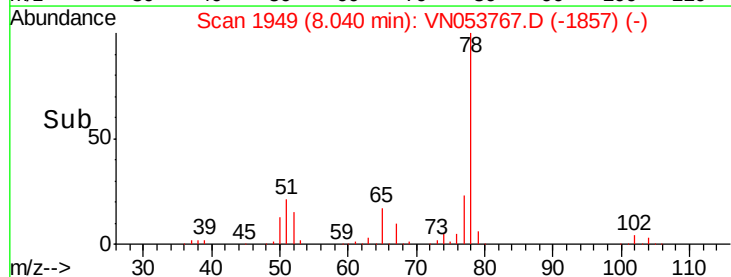
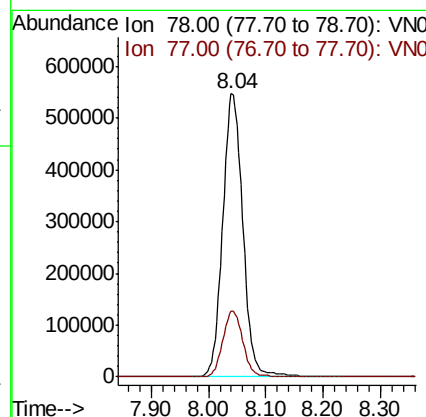
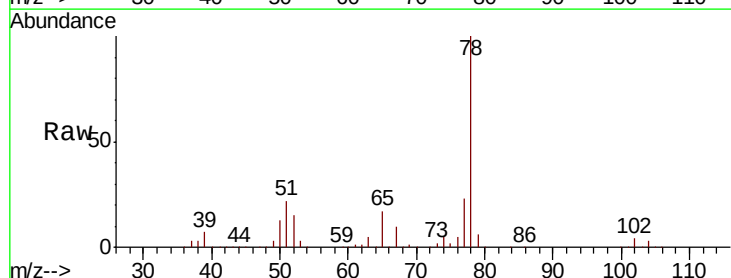
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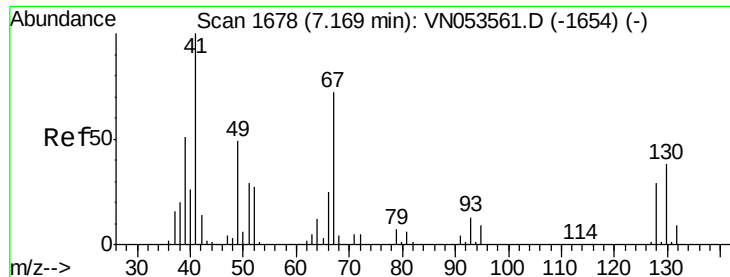
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#40
Benzene
Concen: 48.707 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1335495		
77	23.1		18.8	28.2





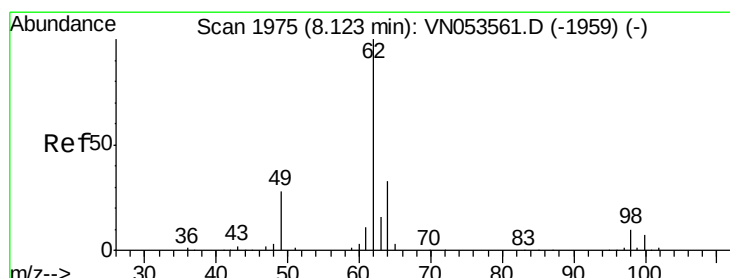
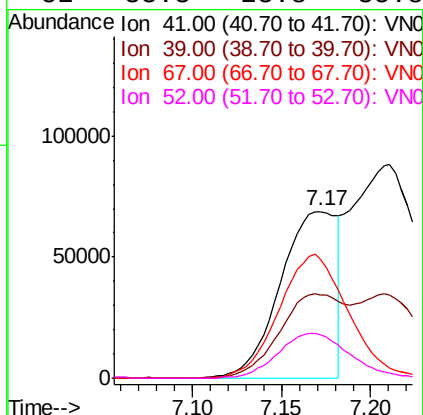
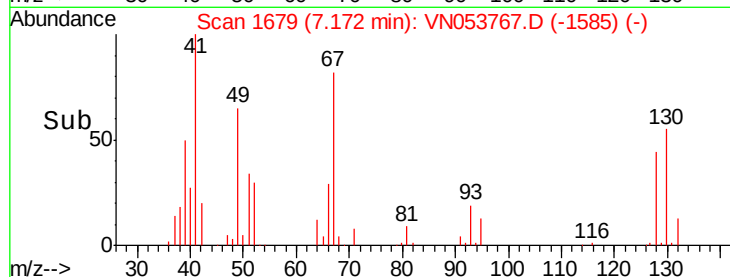
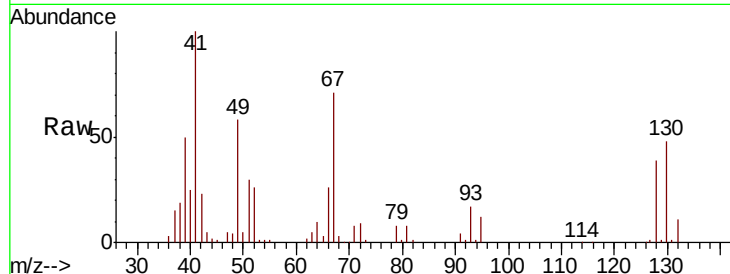
#41
Methacrylonitrile
Concen: 54.716 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	151861
Ion Ratio	Lower	Upper	
41	100		
39	58.5	46.8	70.2
67	91.6	63.0	94.6
52	33.3	23.8	35.8

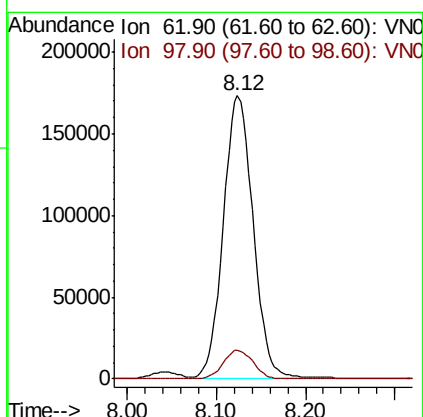
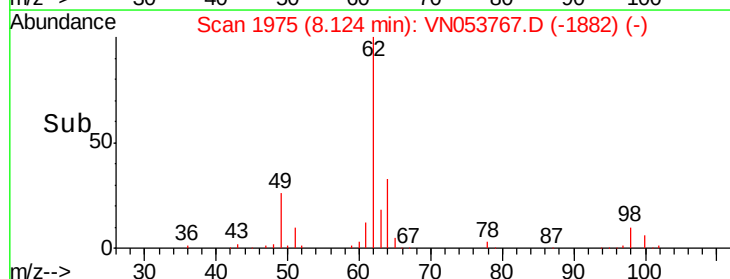
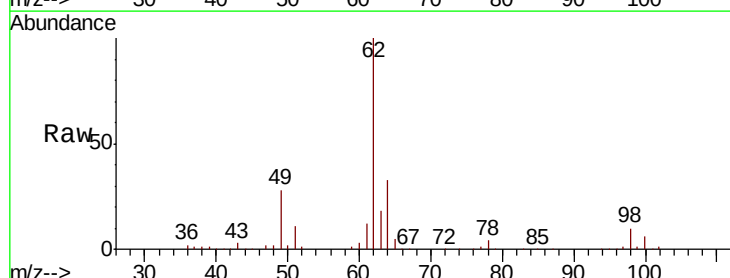
Manual Integrations
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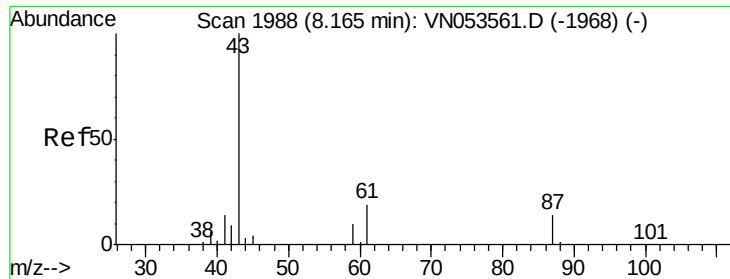
MMDadoda
2/14/2019 10:39:18 AM



#42
1,2-Dichloroethane
Concen: 49.183 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion	62	Resp	400407
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	19.6





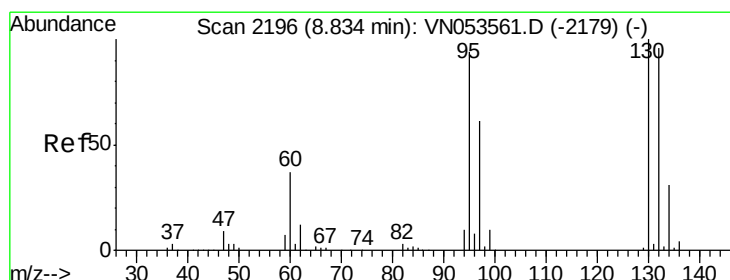
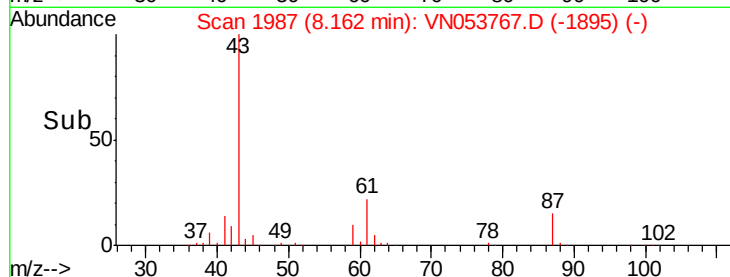
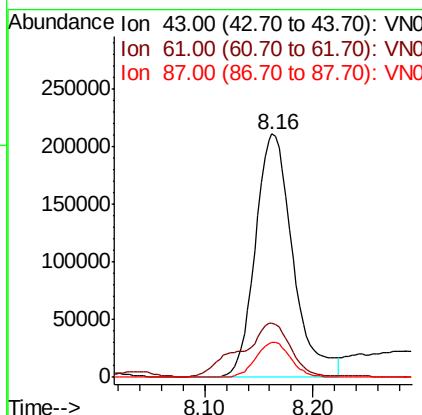
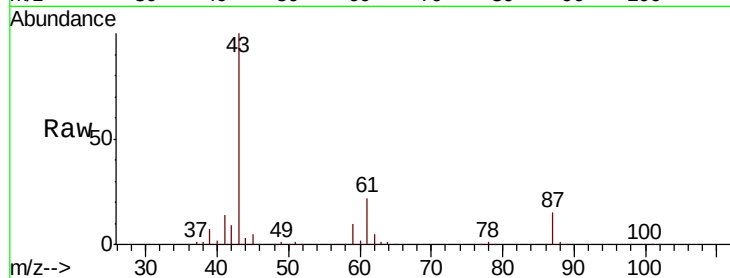
#43
Isopropyl Acetate
Concen: 52.878 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.9	35.9
87	13.6	11.0	16.6

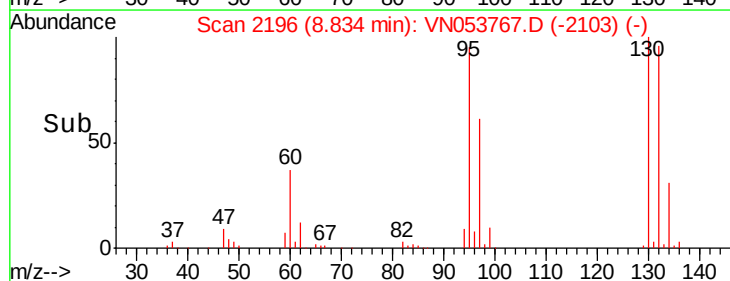
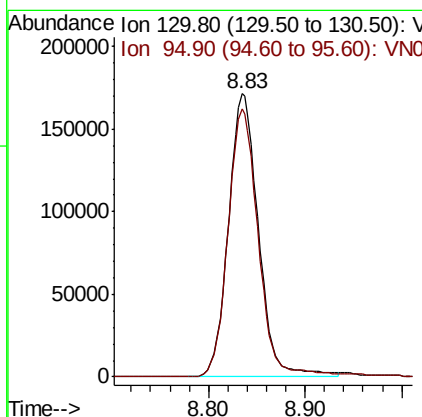
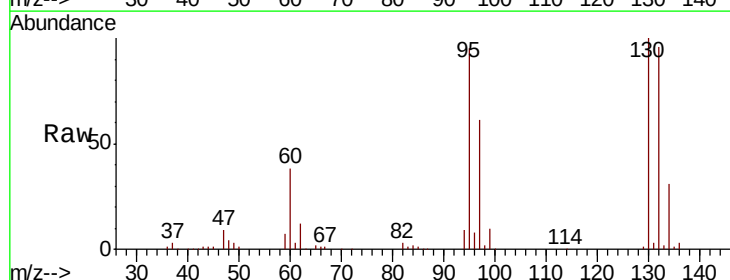
Manual Integrations
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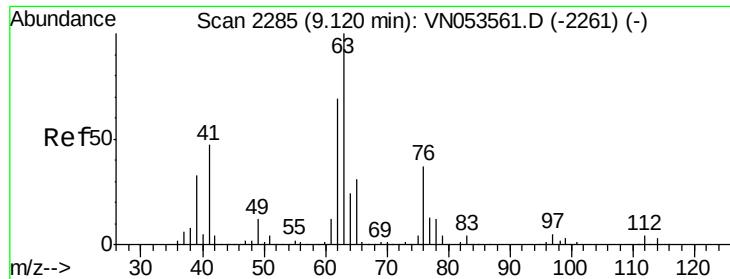
MMDadoda
2/14/2019 10:39:18 AM



#44
Trichloroethene
Concen: 47.252 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	191.4





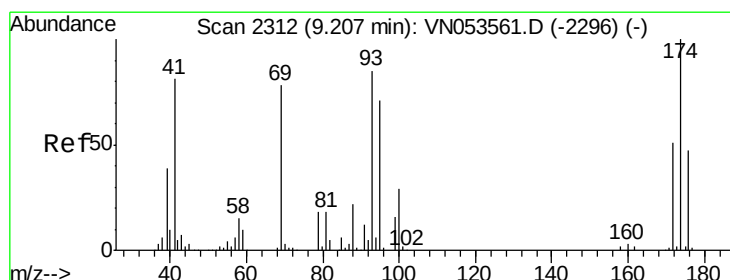
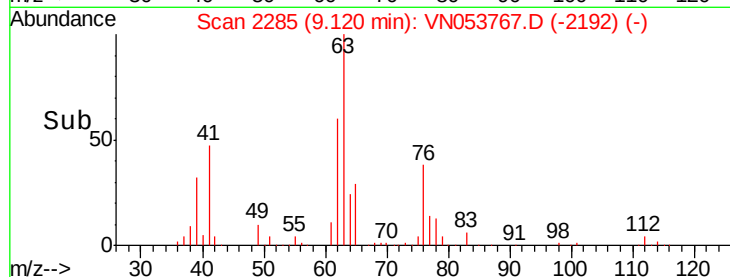
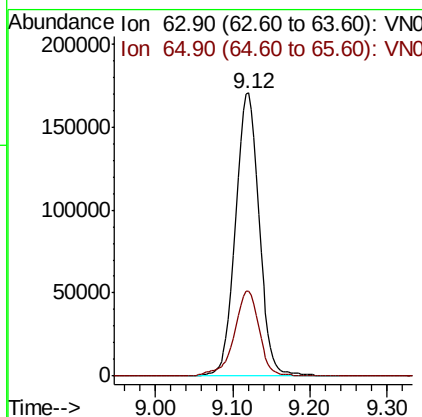
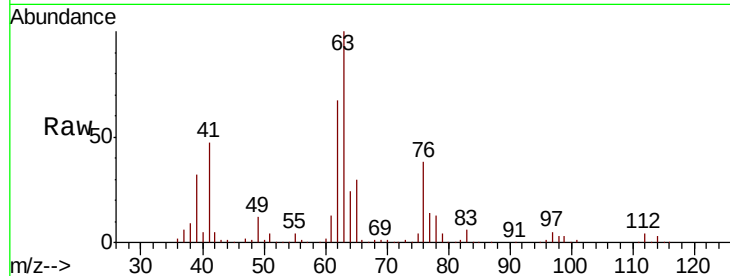
#45
 1,2-Dichloropropane
 Concen: 51.225 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.0	37.4

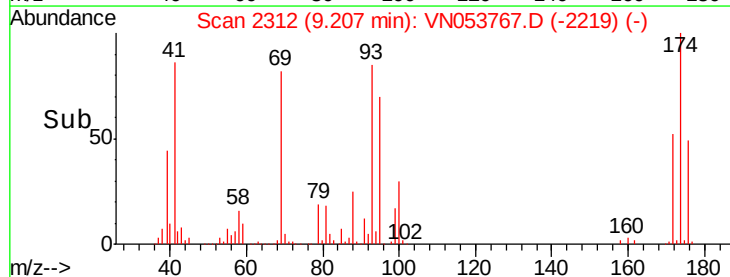
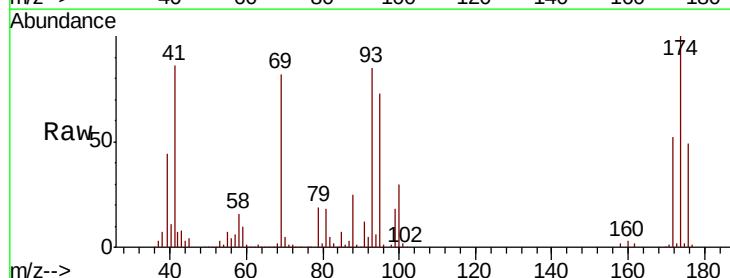
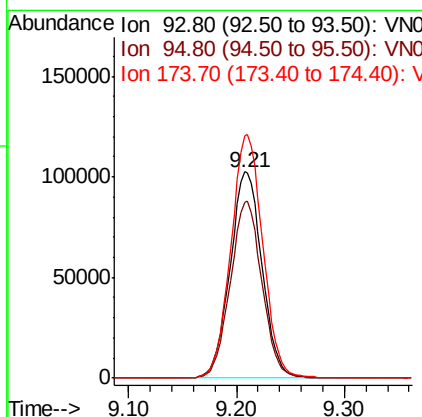
Manual Integrations
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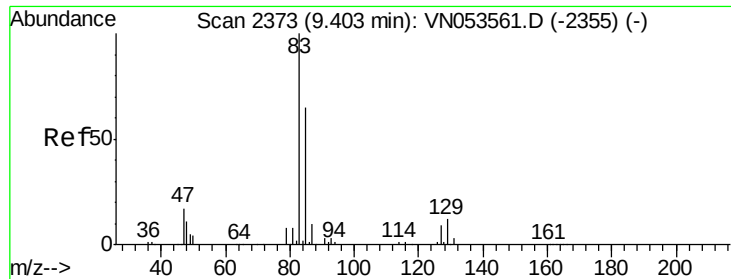
MMDadoda
 2/14/2019 10:39:18 AM



#46
 Dibromomethane
 Concen: 50.161 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	67.3	100.9
174	117.9	91.0	136.4





#47

Bromodichloromethane

Concen: 50.975 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

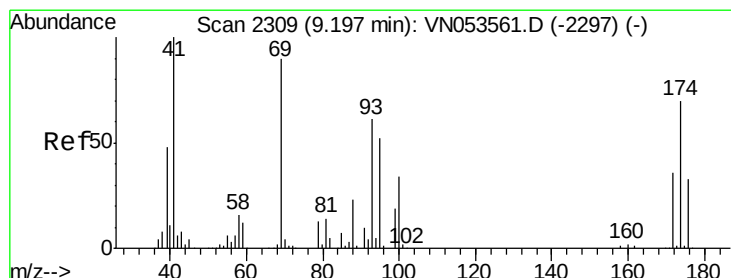
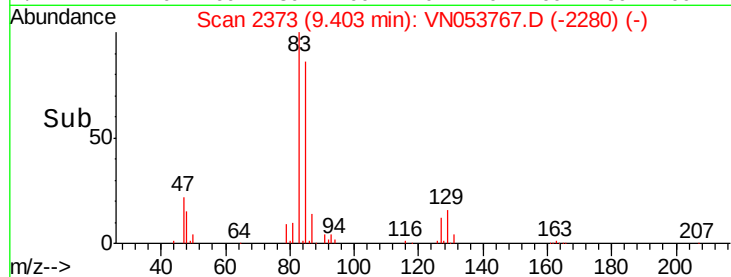
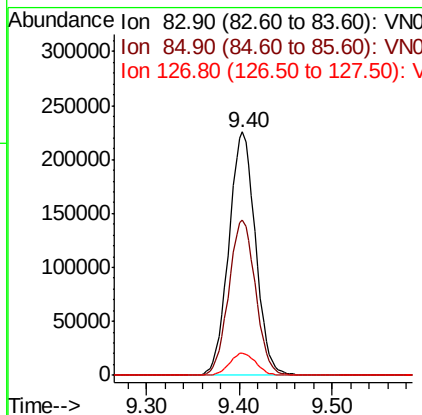
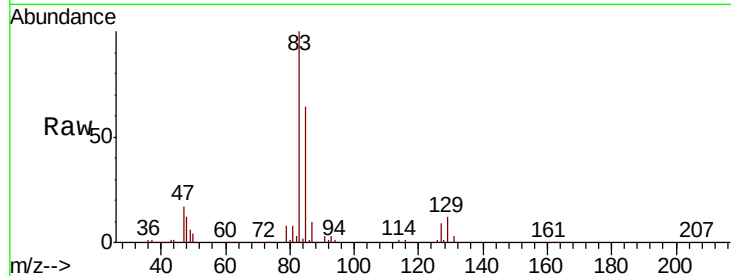
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	448061
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.6
127	9.1	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.853 ug/l

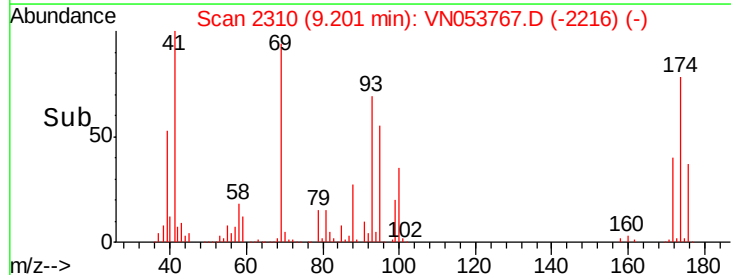
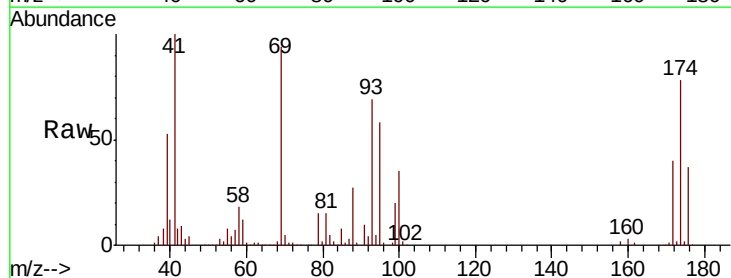
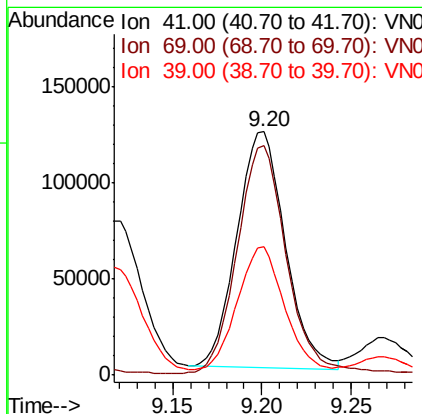
RT: 9.20 min Scan# 2310

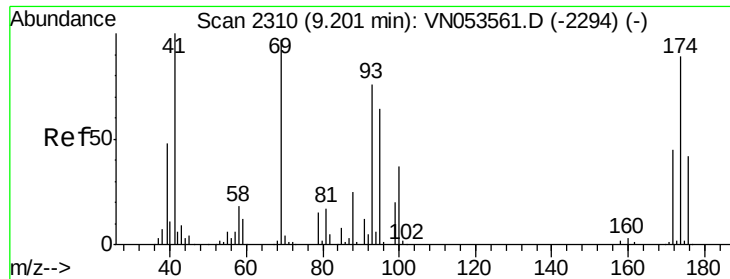
Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Tgt Ion:	41	Resp:	232796
Ion	Ratio	Lower	Upper
41	100		
69	101.6	73.8	110.6
39	54.6	40.0	60.0





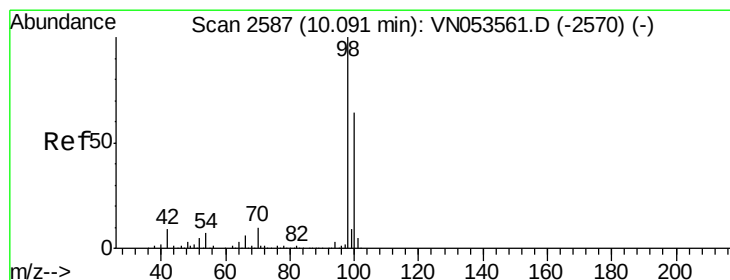
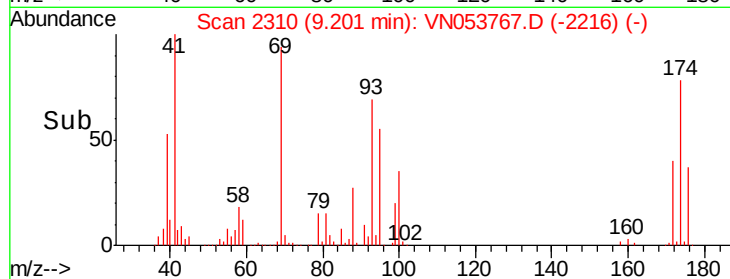
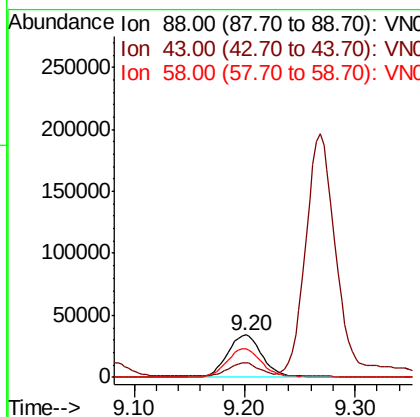
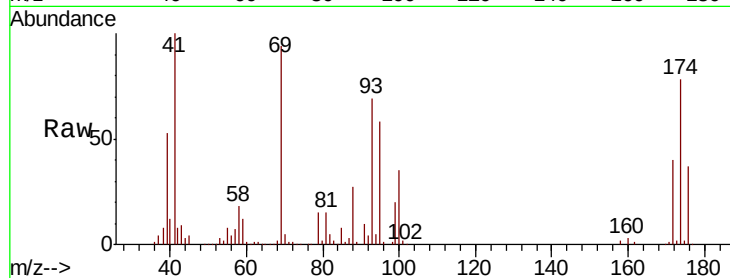
#49
1,4-Dioxane
Concen: 1128.010 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	75169
Ion Ratio	100	Lower	Upper
88	100		
43	26.9	27.8	41.6#
58	66.6	56.5	84.7

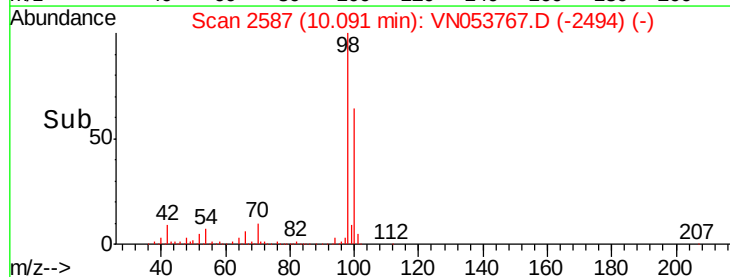
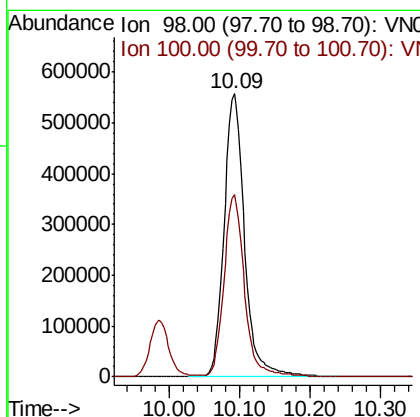
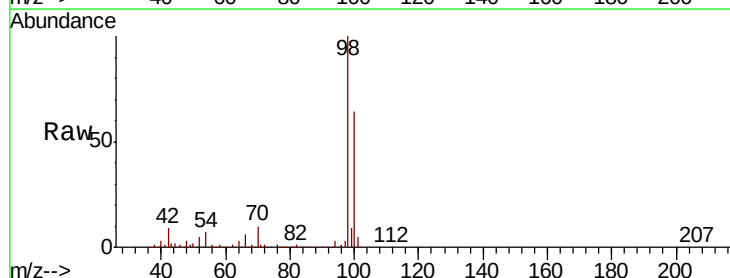
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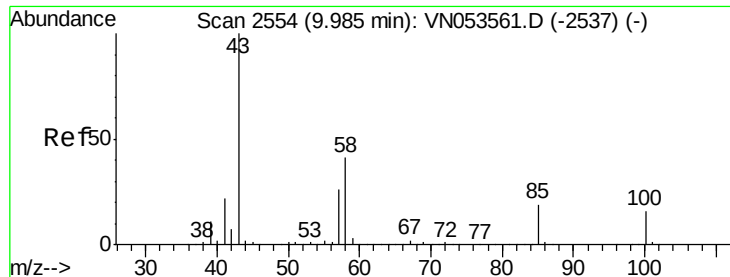
MMDadoda
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#50
Toluene-d8
Concen: 48.457 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion	98	Resp	1133993
Ion Ratio	100	Lower	Upper
98	100		
100	64.7	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 284.855 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1342417

Ion Ratio Lower Upper

43 100

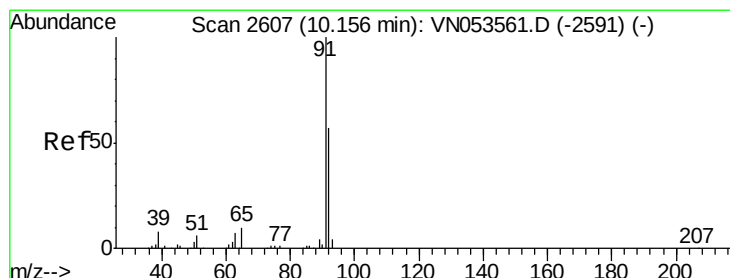
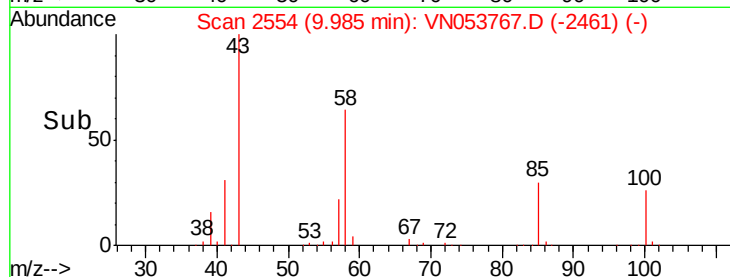
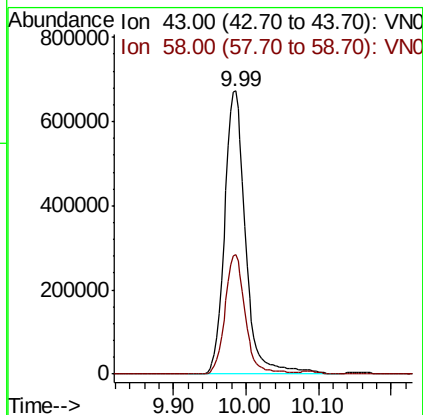
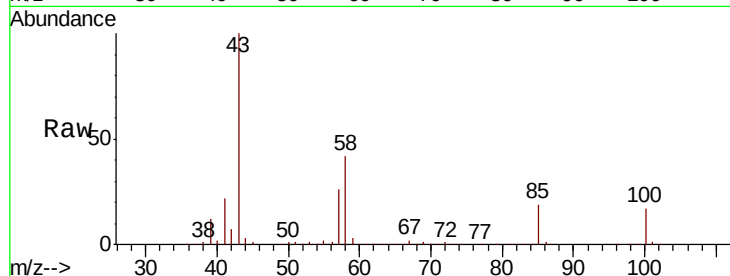
58 41.0 32.8 49.2

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#52

Toluene

Concen: 49.695 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053767.D

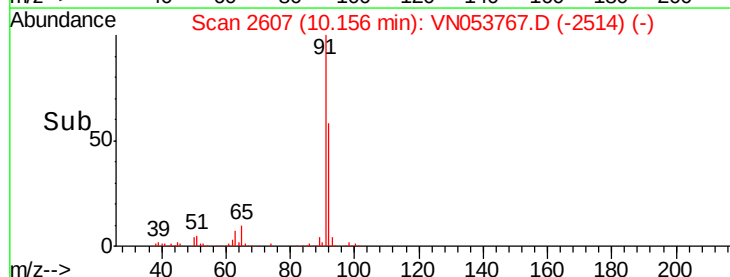
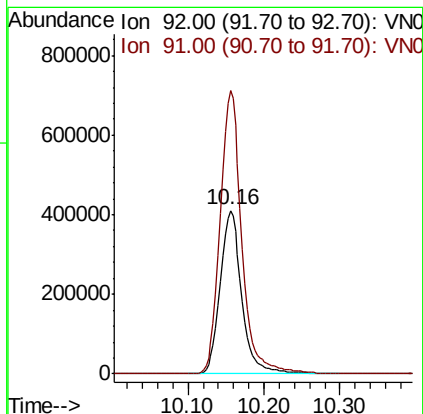
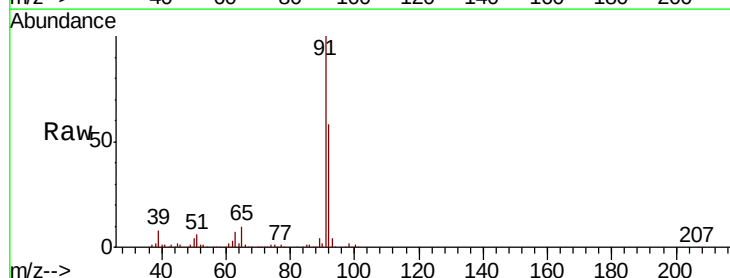
Acq: 13 Feb 2019 20:37

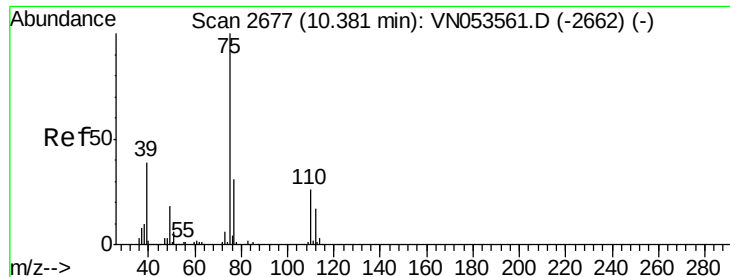
Tgt Ion: 92 Resp: 808685

Ion Ratio Lower Upper

92 100

91 174.3 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 51.303 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 451561

Ion Ratio Lower Upper

75 100

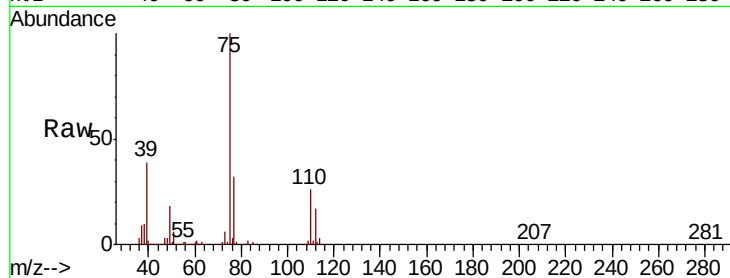
77 31.4 25.5 38.3

Manual Integrations

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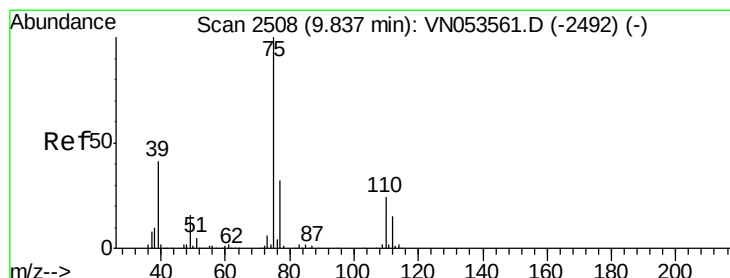
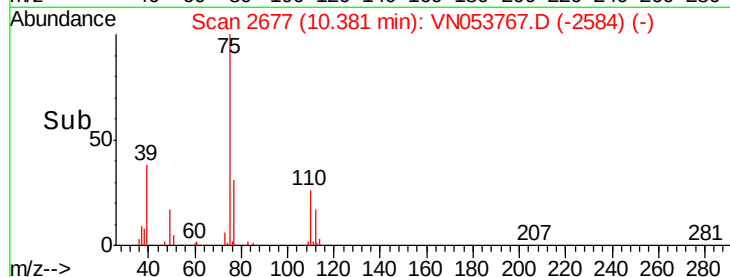
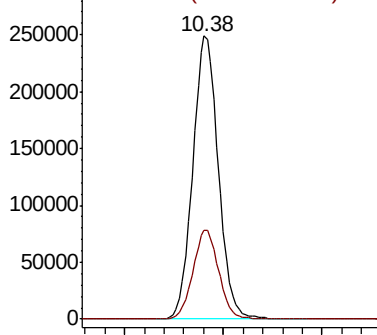
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.006 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

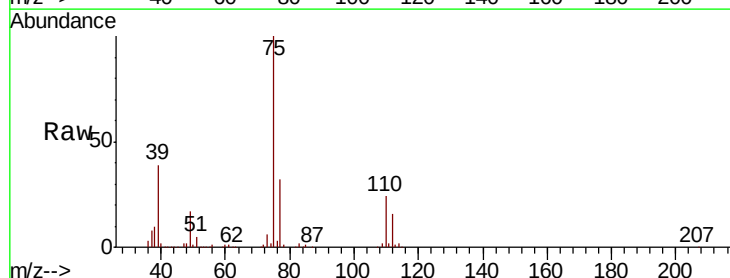
Tgt Ion: 75 Resp: 521565

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

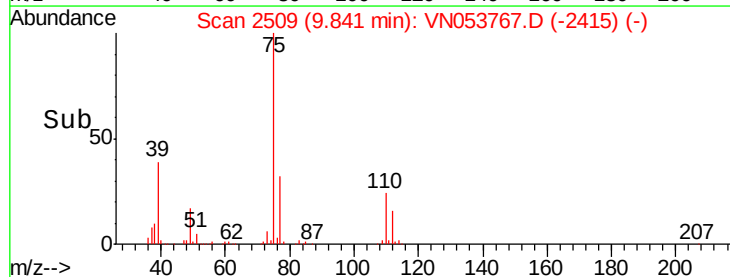
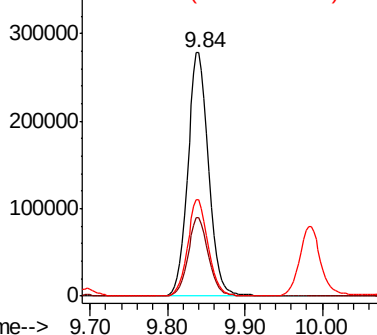
39 39.5 33.4 50.0

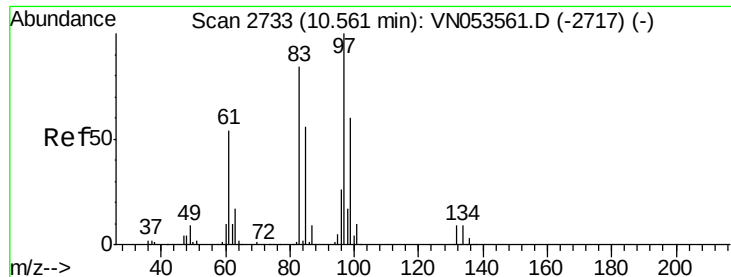


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





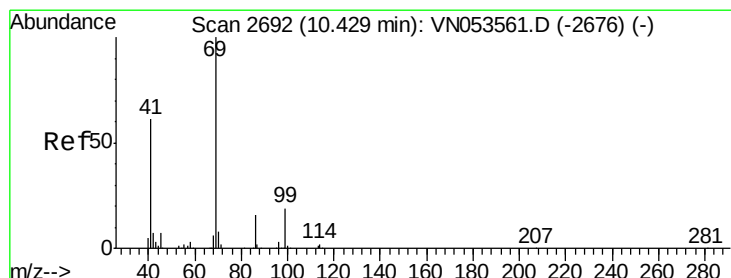
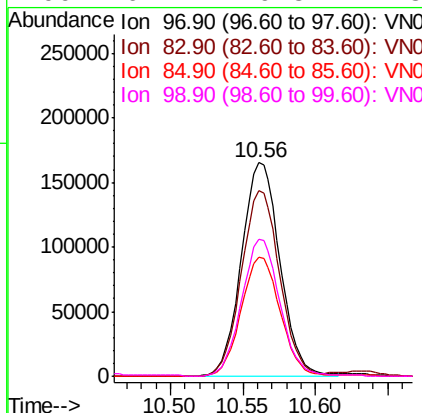
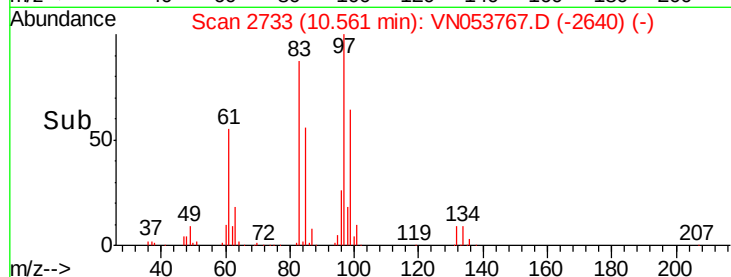
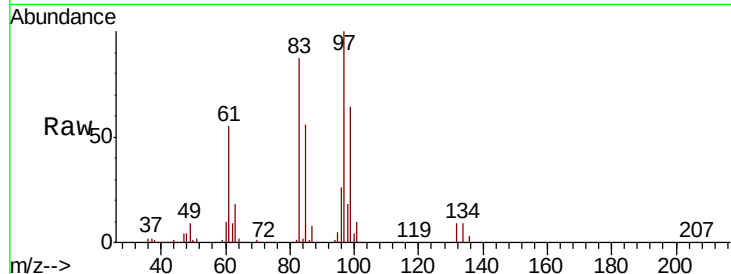
#55
 1,1,2-Trichloroethane
 Concen: 52.222 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		306217		
83	87.1	70.1	105.1		
85	55.8	45.4	68.0		
99	64.1	49.8	74.8		

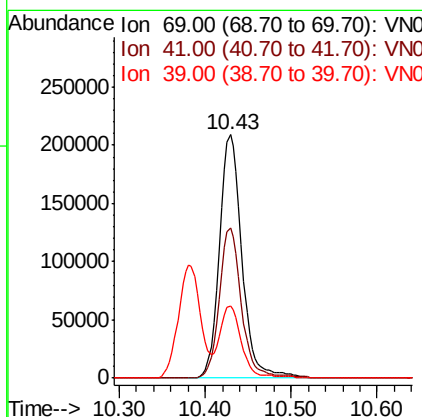
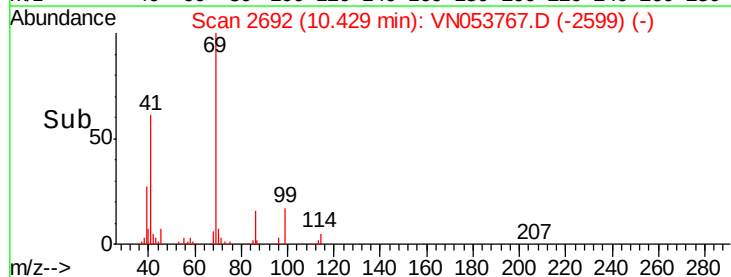
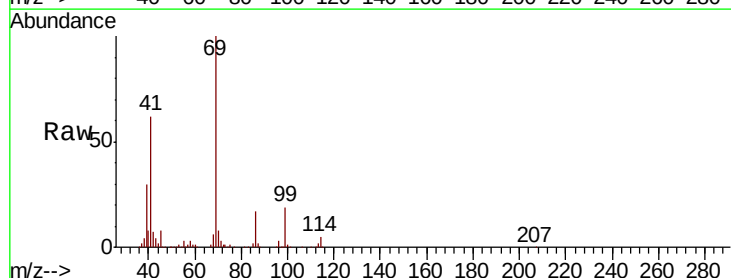
Manual Integrations
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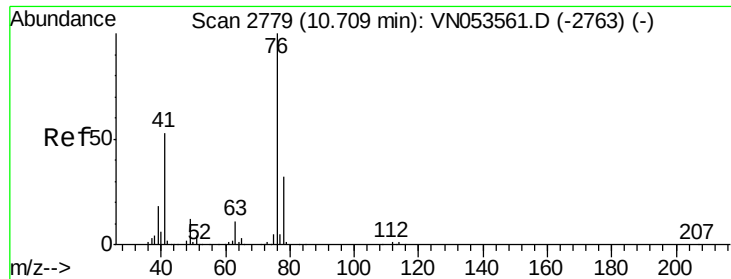
MMDadoda
 2/14/2019 10:39:18 AM



#56
 Ethyl methacrylate
 Concen: 54.990 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		381459		
41	59.8	49.4	74.0		
39	28.9	23.3	34.9		





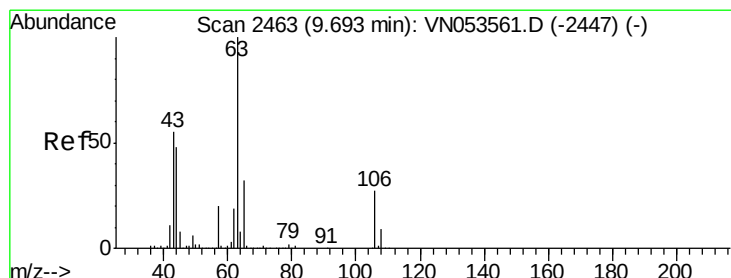
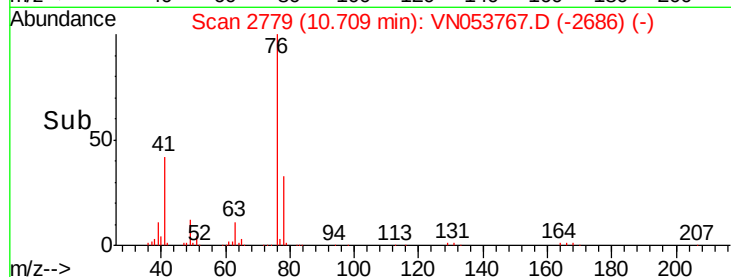
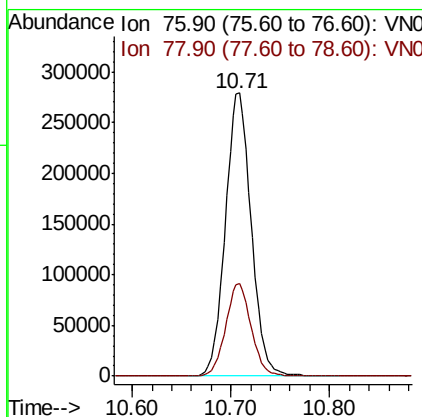
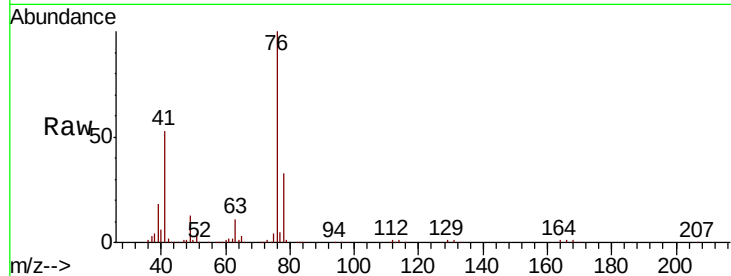
#57
 1,3-Dichloropropane
 Concen: 51.004 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 511141
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4

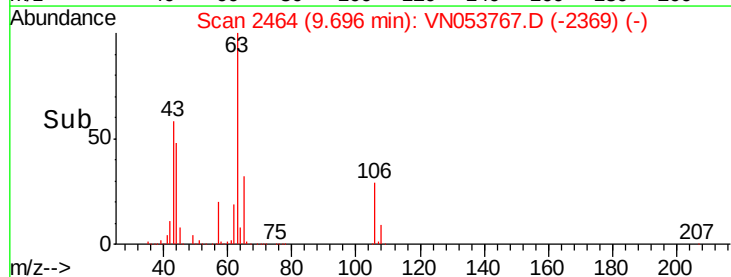
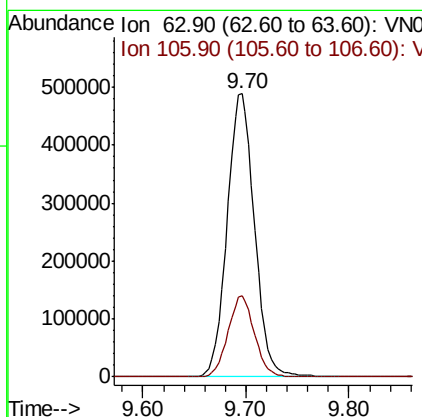
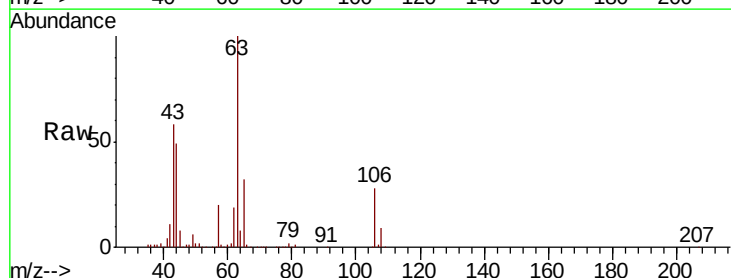
Manual Integrations
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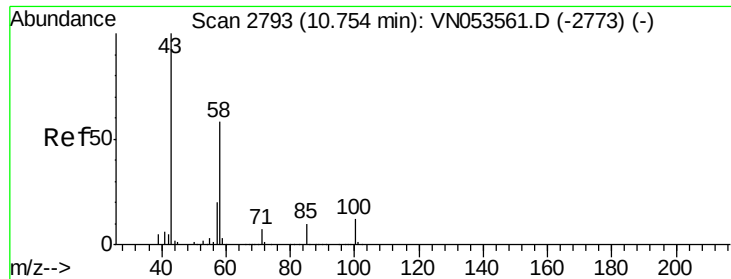
MMDadoda
 2/14/2019 10:39:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 210.904 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion: 63 Resp: 901758
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.5 32.3





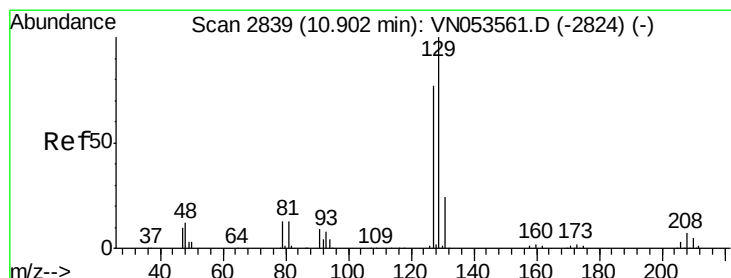
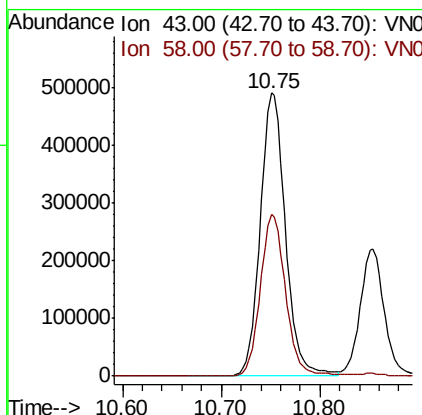
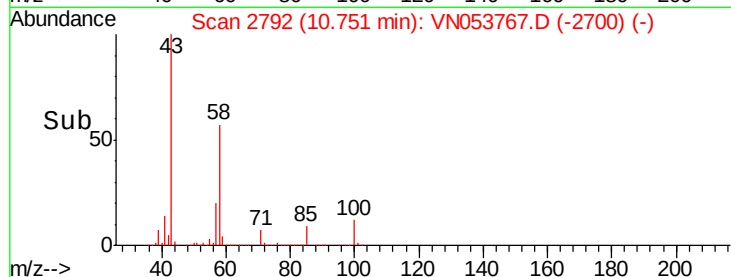
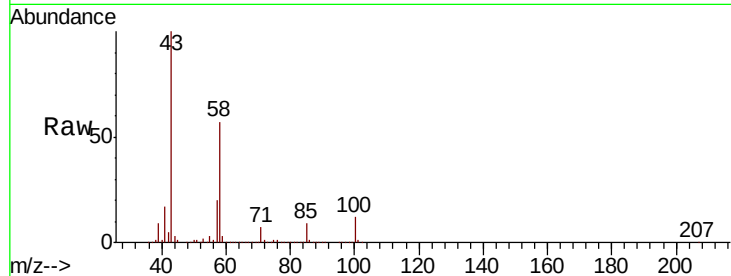
#59
2-Hexanone
Concen: 269.237 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 861362
Ion Ratio Lower Upper
43 100
58 57.5 28.6 85.8

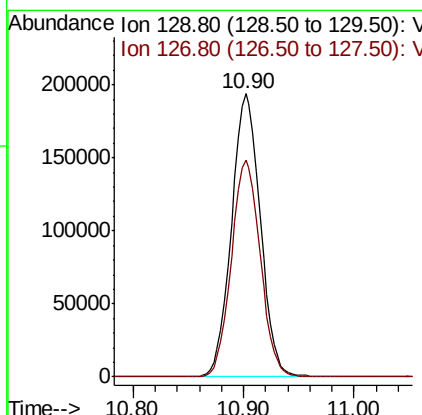
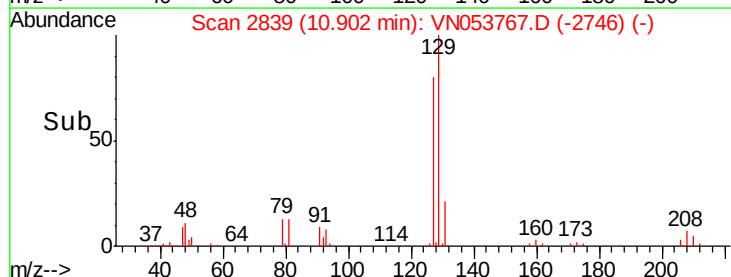
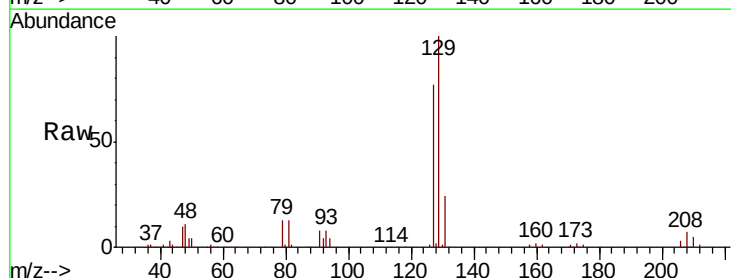
Manual Integrations
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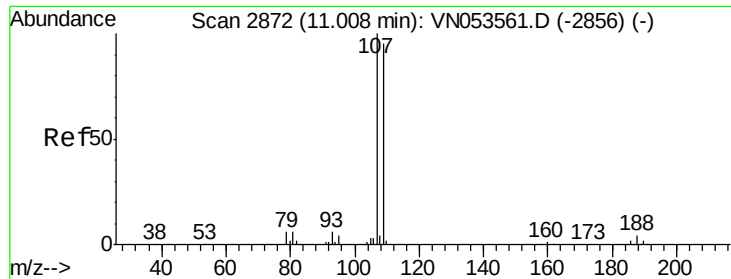
MMDadoda
2/14/2019 10:39:18 AM



#60
Dibromochloromethane
Concen: 53.171 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 129 Resp: 351591
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





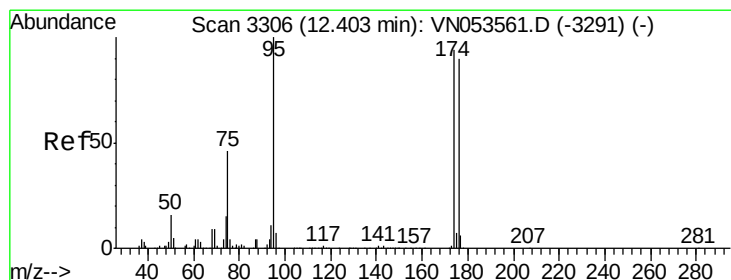
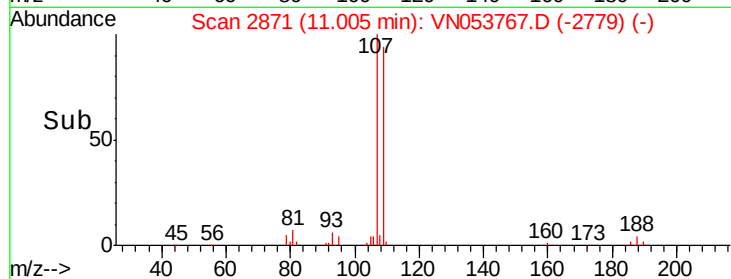
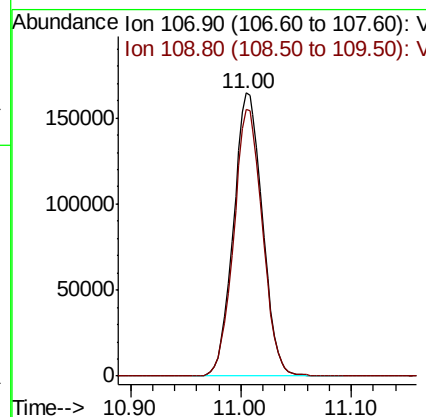
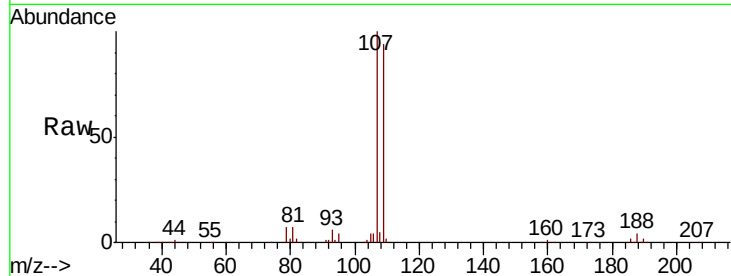
#61
 1,2-Dibromoethane
 Concen: 51.566 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.7	113.5

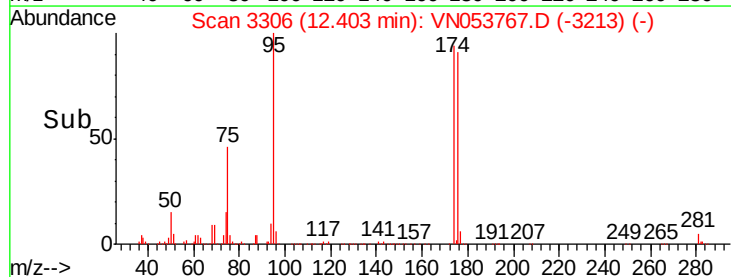
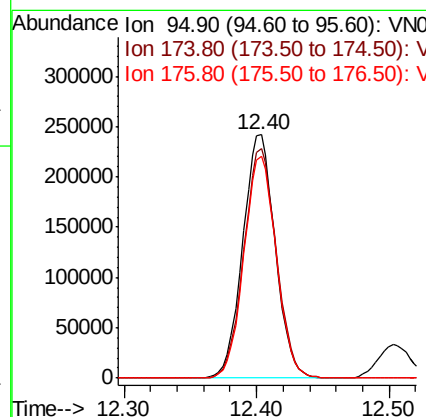
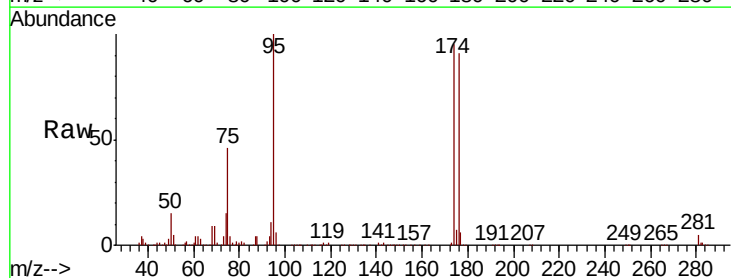
Manual Integrations
 APPROVED

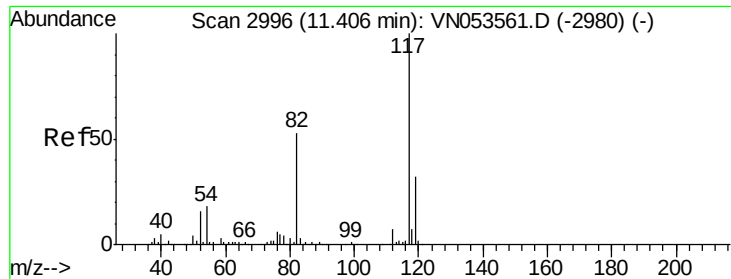
MMDadoda
 2/14/2019 10:39:18 AM



#62
 4-Bromofluorobenzene
 Concen: 52.595 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.4	0.0	183.2
176	91.0	0.0	177.4





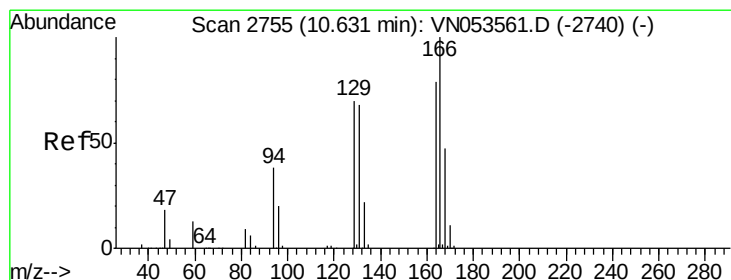
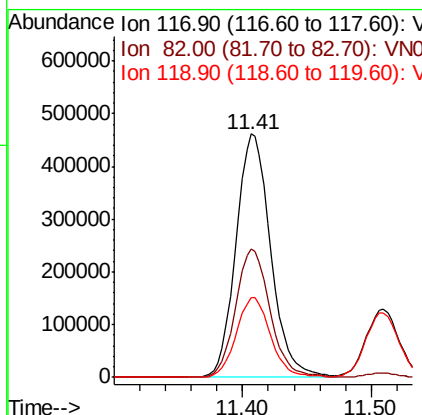
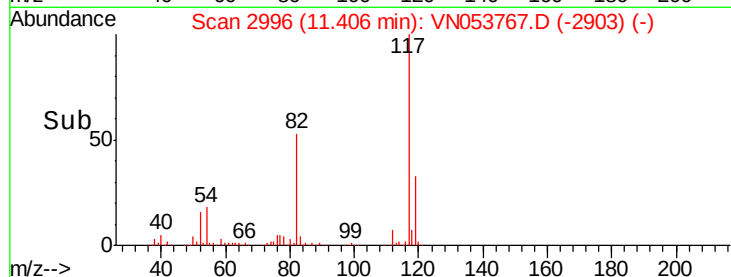
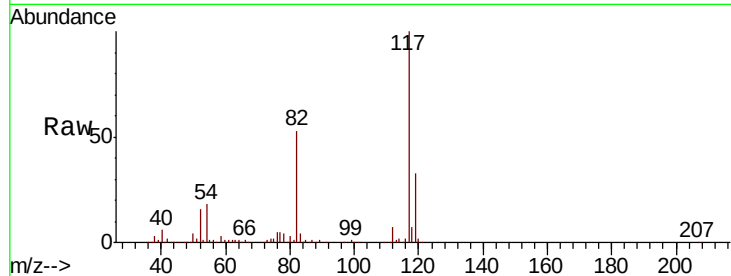
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.9	64.3
119	32.8	26.0	39.0

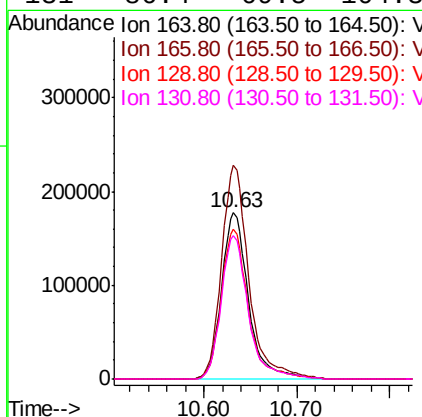
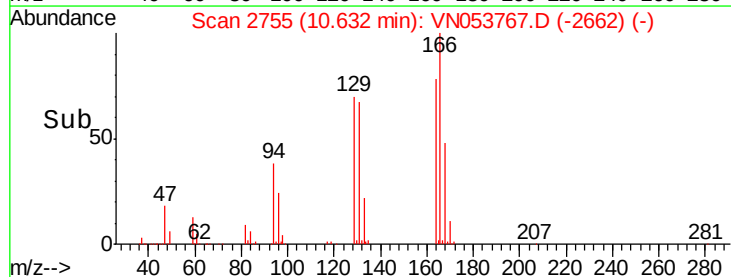
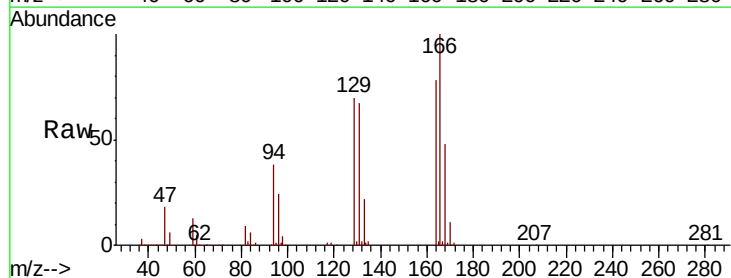
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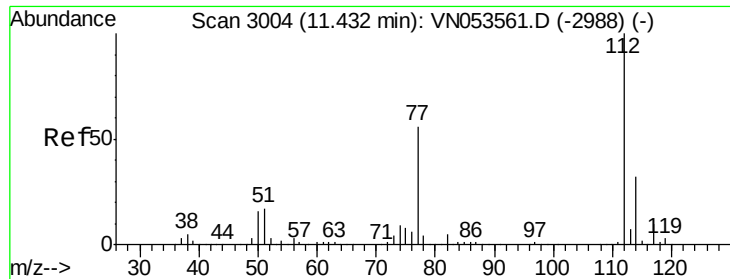
MMDadoda
2/14/2019 10:39:18 AM



#64
Tetrachloroethene
Concen: 48.337 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.2	153.4
129	90.2	72.6	109.0
131	86.4	69.5	104.3





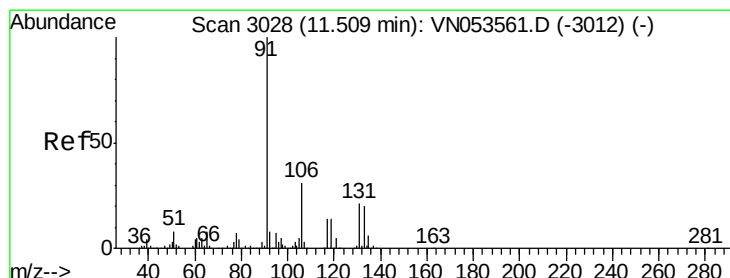
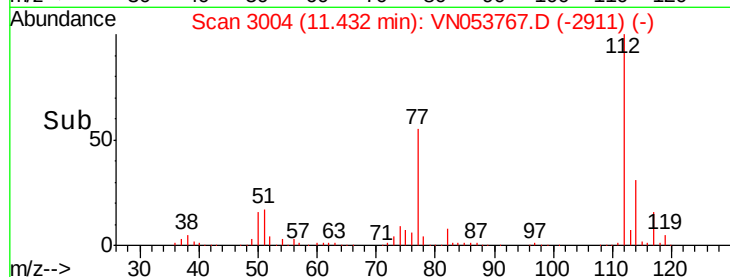
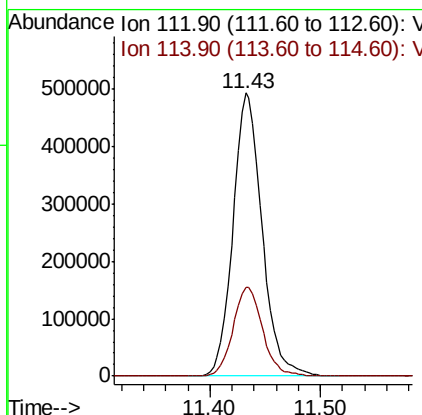
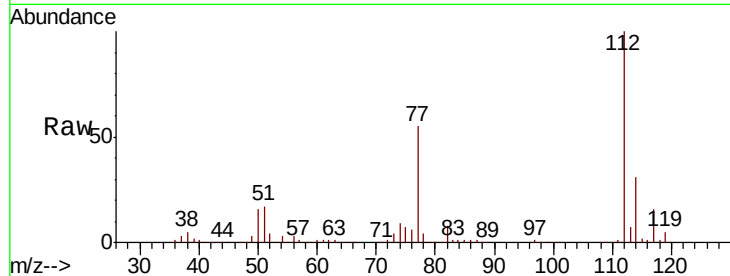
#65
Chlorobenzene
Concen: 48.944 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 898334
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9

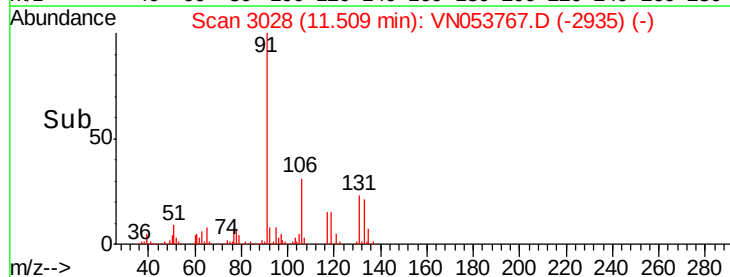
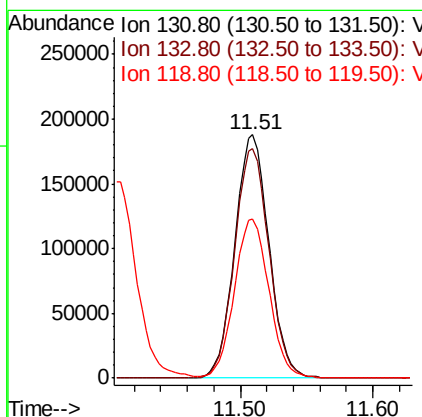
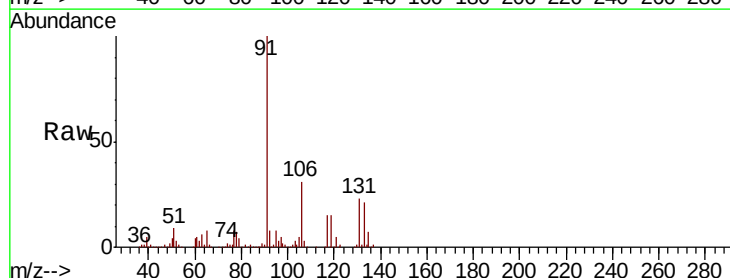
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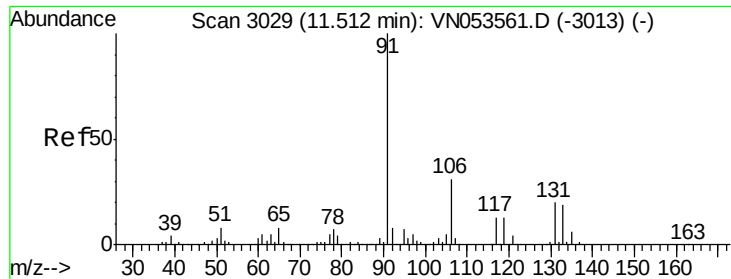
MMDadoda
2/14/2019 10:39:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.380 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion:131 Resp: 335757
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 66.4 33.5 100.5





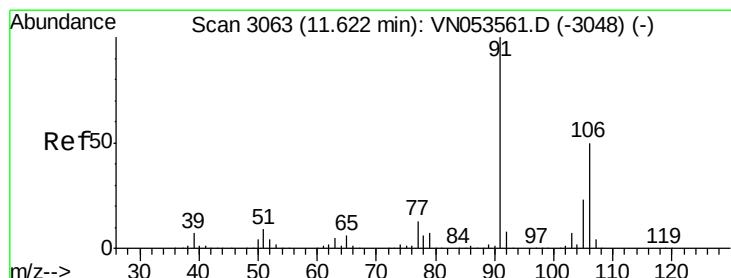
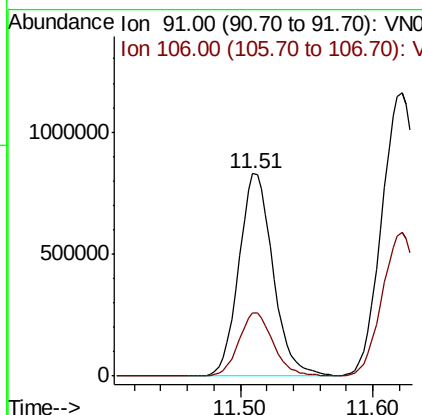
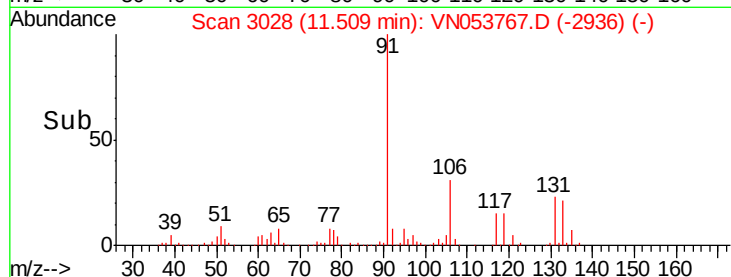
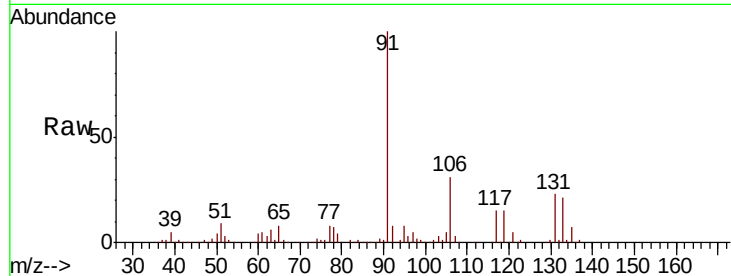
#67
Ethyl Benzene
Concen: 49.373 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1488611
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6

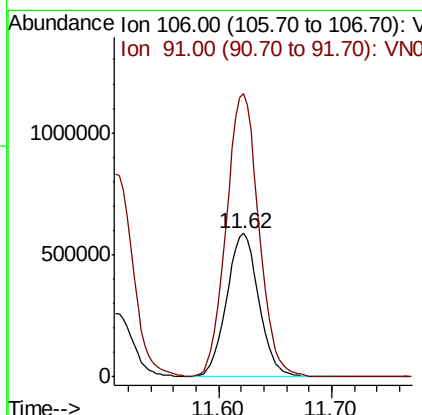
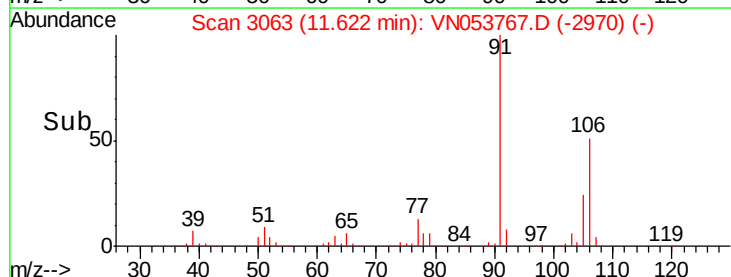
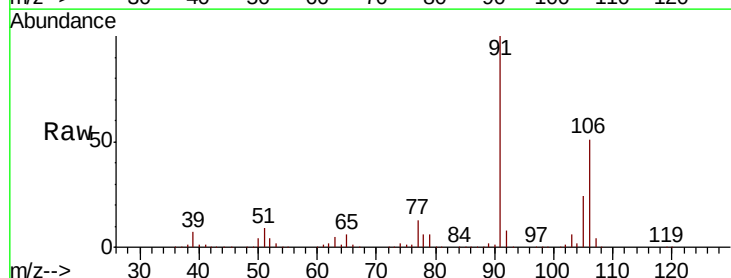
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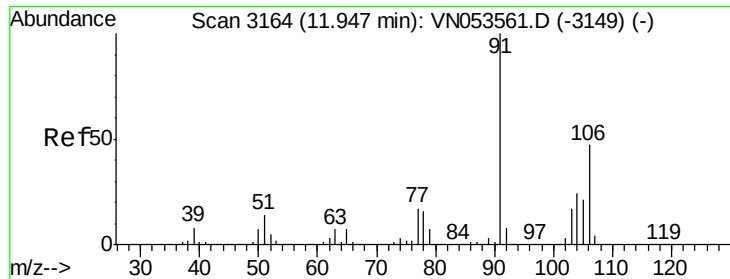
MMDadoda
2/14/2019 10:39:18 AM



#68
m/p-Xylenes
Concen: 101.085 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 106 Resp: 1163224
Ion Ratio Lower Upper
106 100
91 199.8 161.4 242.2





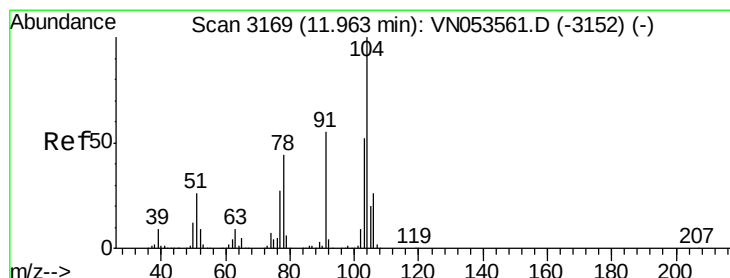
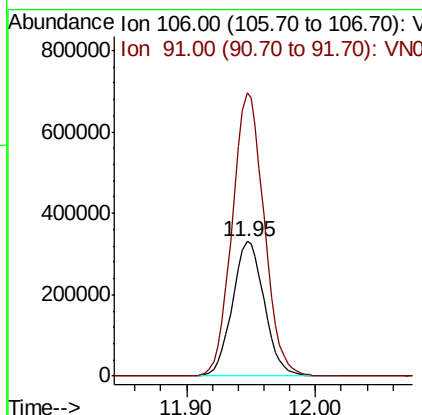
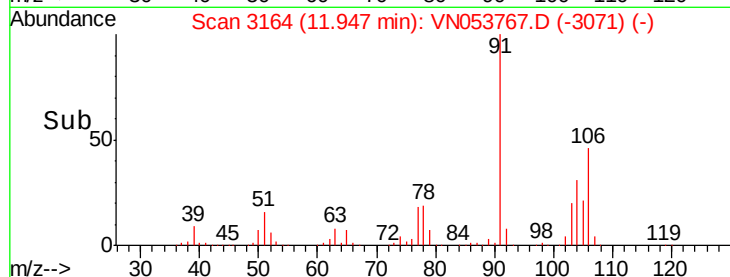
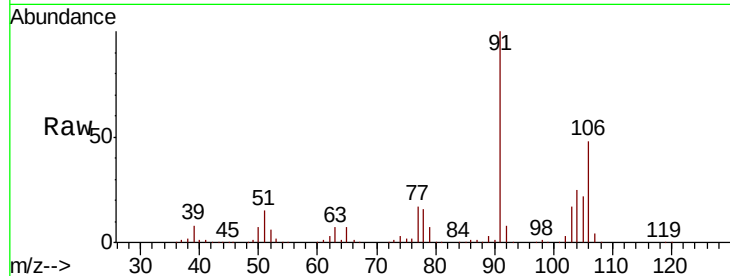
#69
o-Xylene
Concen: 51.128 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.6	106.9	320.8	

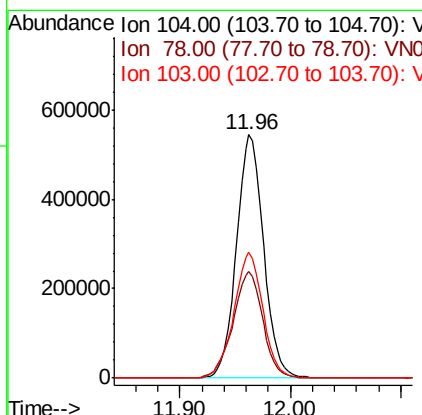
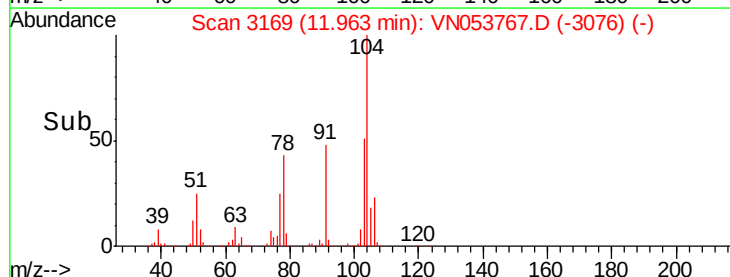
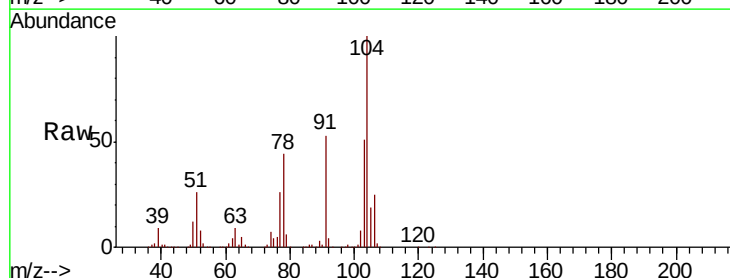
Manual Integrations
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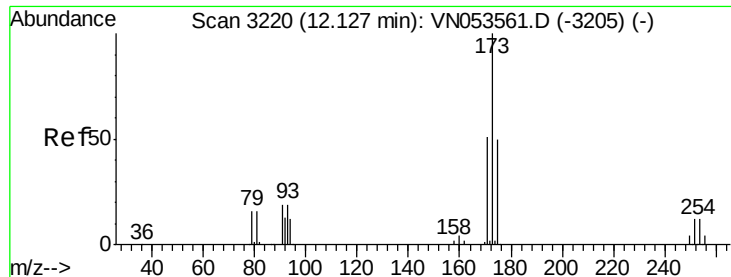
MMDadoda
2/14/2019 10:39:18 AM



#70
Styrene
Concen: 51.616 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.8	38.2	57.2	
103	55.0	44.4	66.6	





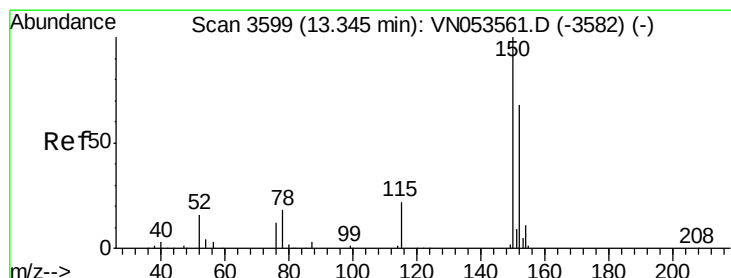
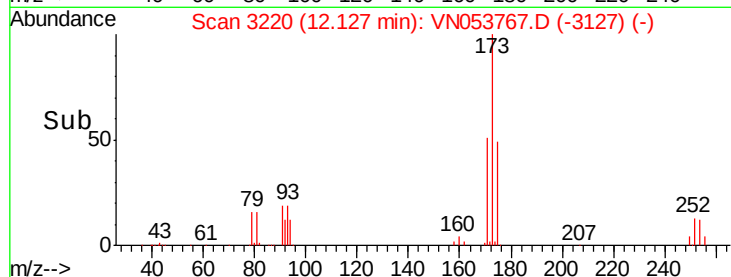
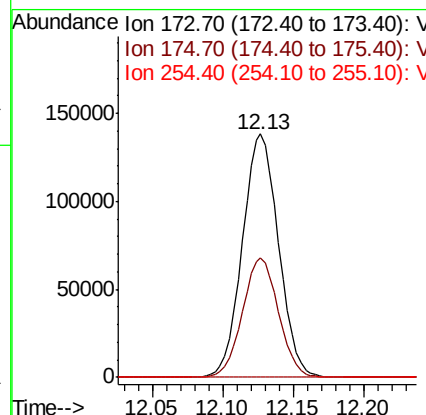
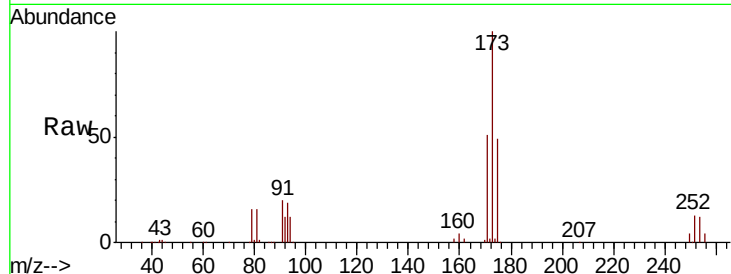
#71
Bromoform
Concen: 56.317 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	74.0
254	0.1	0.2	0.2

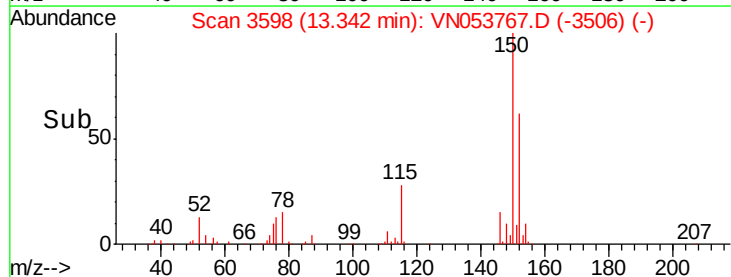
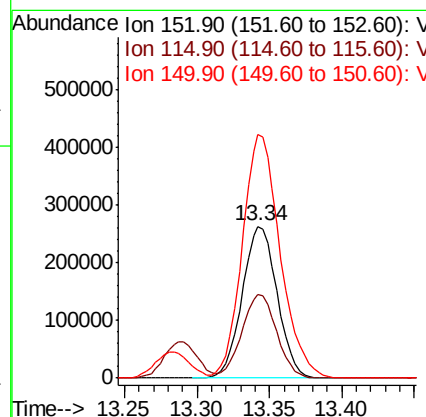
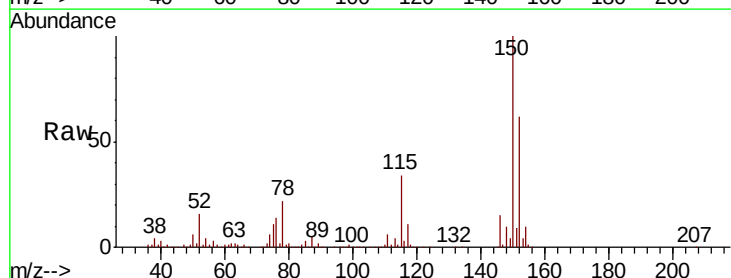
Manual Integrations
APPROVED

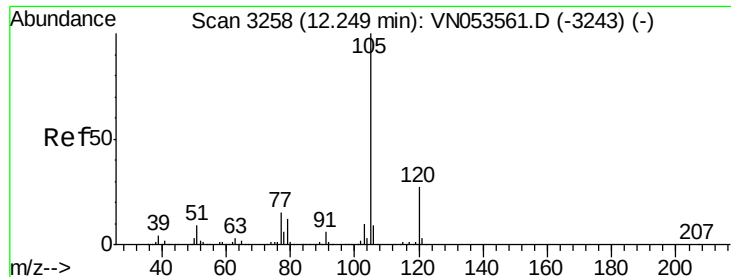
MMDadoda
2/14/2019 10:39:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.8	83.4
150	174.0	0.0	349.0





#73

Isopropylbenzene

Concen: 49.543 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1529652

Ion Ratio Lower Upper

105 100

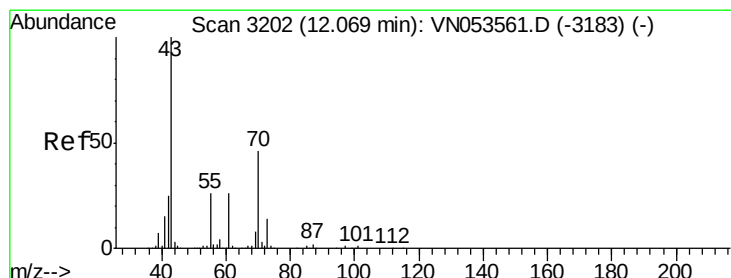
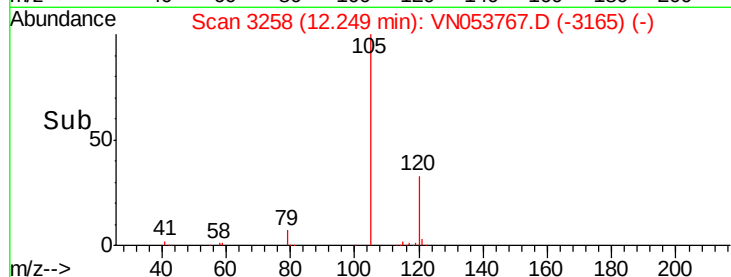
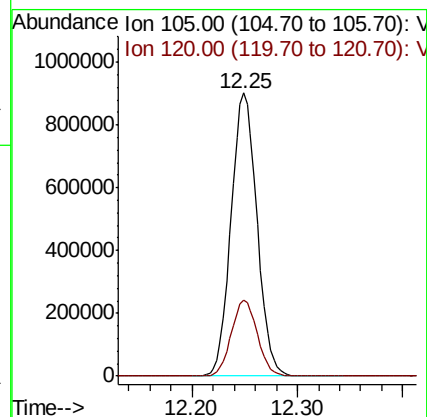
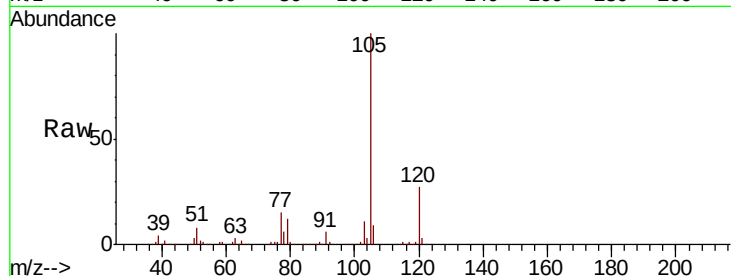
120 26.9 13.6 40.7

Manual Integrations

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MMDadoda

2/14/2019 10:39:18 AM



#74

N-ethyl acetate

Concen: 52.850 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Tgt Ion: 43 Resp: 392379

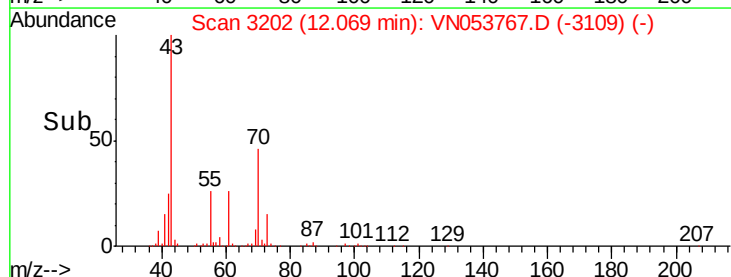
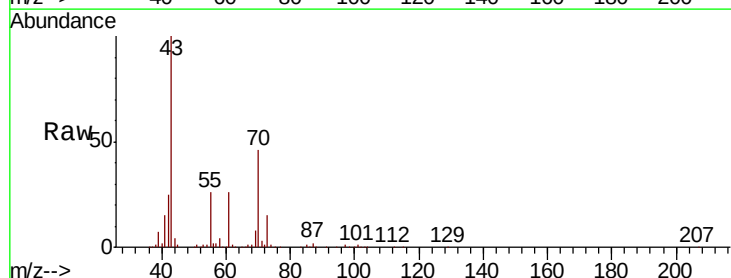
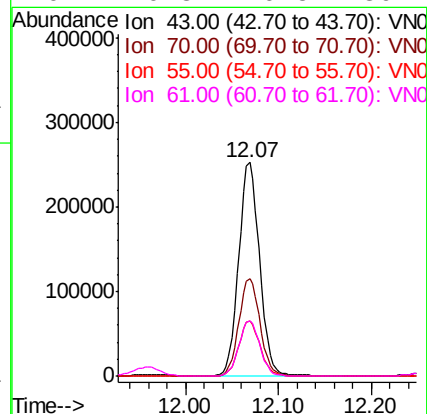
Ion Ratio Lower Upper

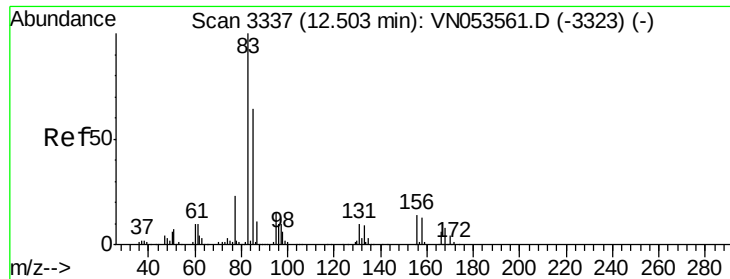
43 100

70 46.2 35.4 53.2

55 26.5 20.9 31.3

61 26.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 53.914 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

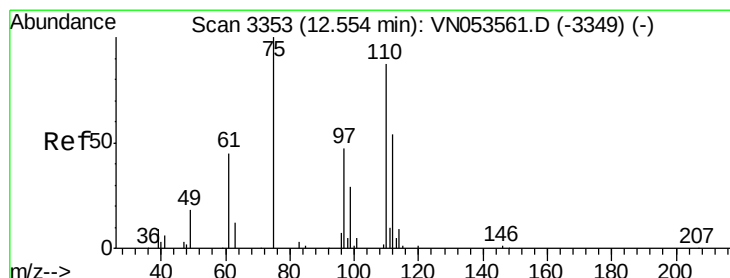
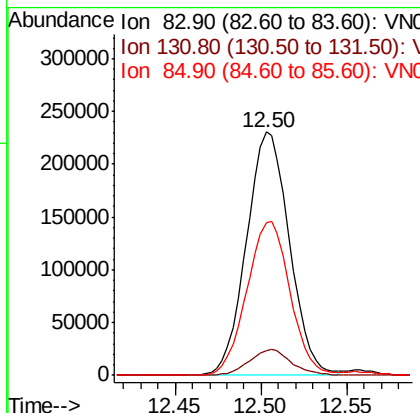
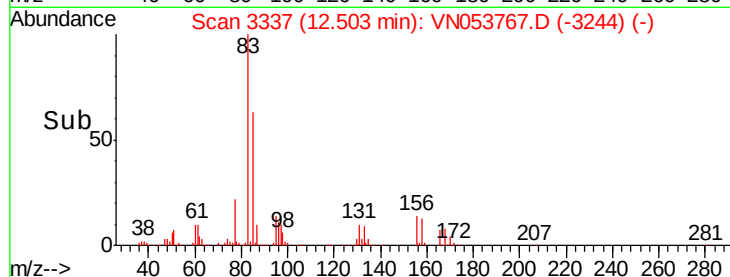
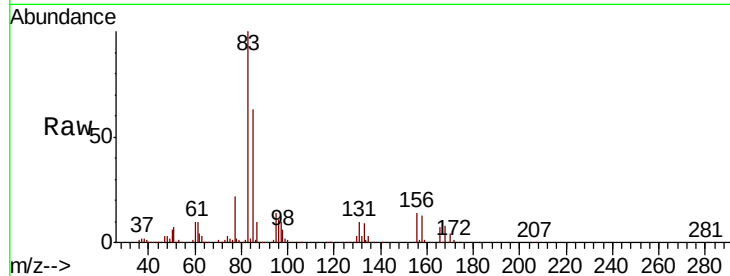
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	398383
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	63.7	32.1	96.3

Manual Integrations
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2/14/2019 10:39:18 AM



#76

1,2,3-Trichloropropane

Concen: 57.994 ug/l m

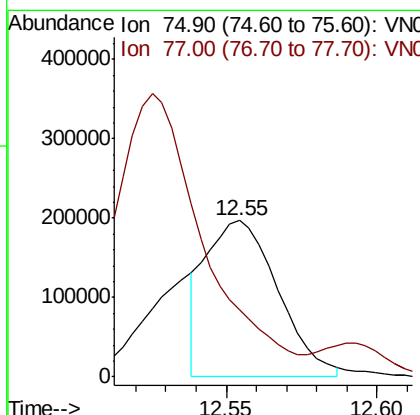
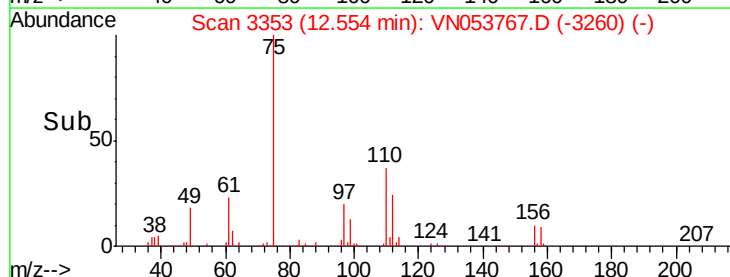
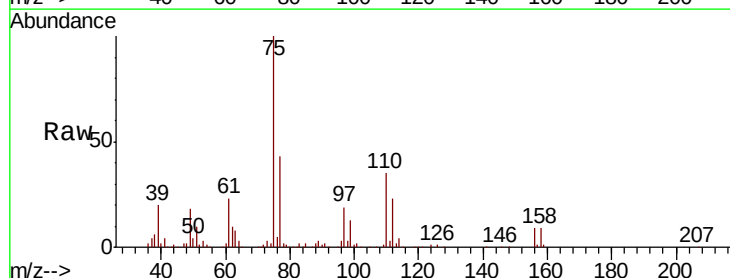
RT: 12.55 min Scan# 3353

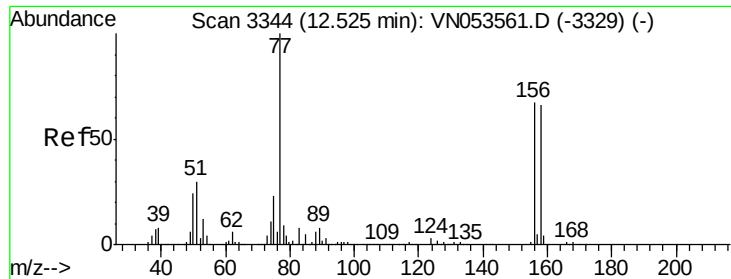
Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Tgt Ion:	75	Resp:	327158
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.623 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

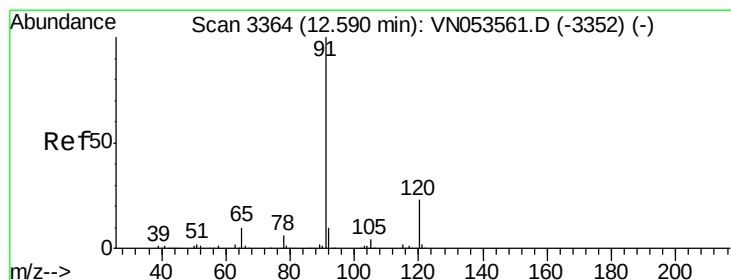
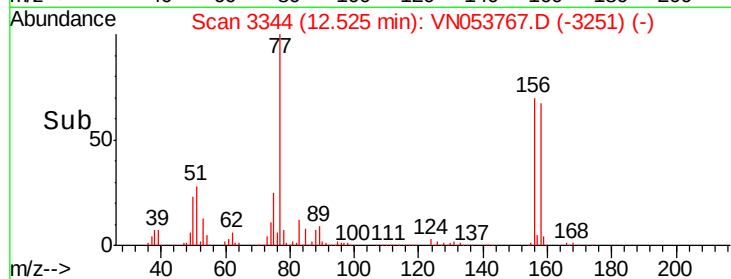
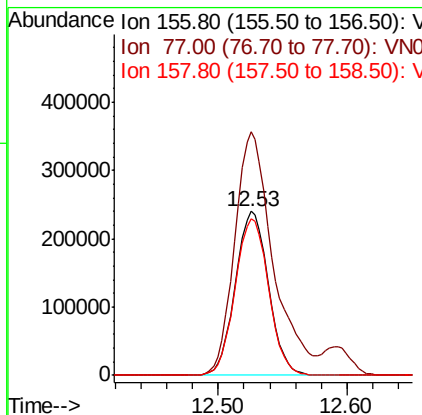
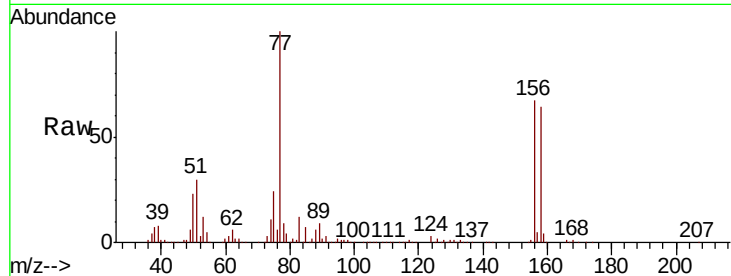
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	429561
Ion Ratio	Lower	Upper	
156	100		
77	172.8	87.9	263.8
158	96.3	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 51.199 ug/l

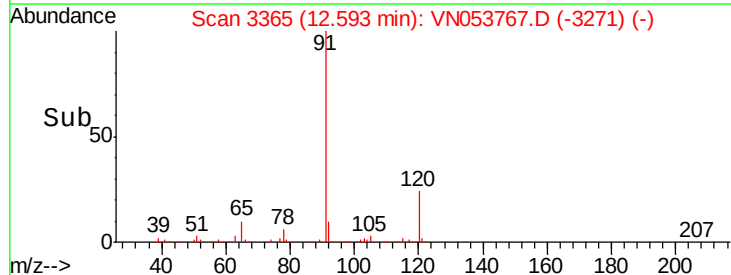
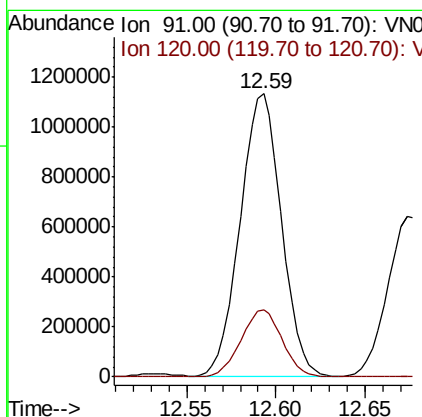
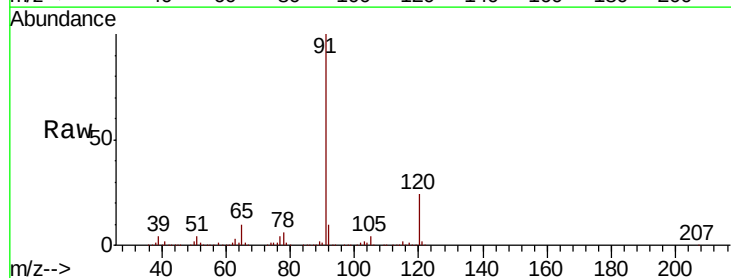
RT: 12.59 min Scan# 3365

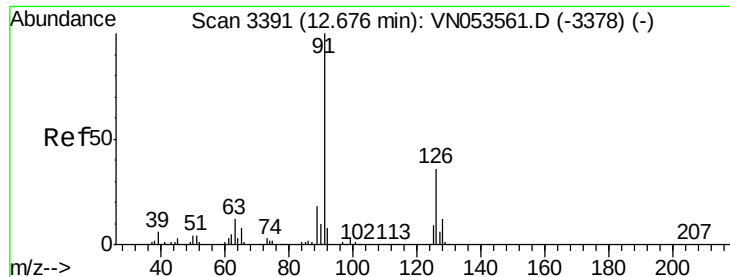
Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Tgt Ion:	91	Resp:	1827377
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.5





#79

2-Chlorotoluene

Concen: 51.251 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1085266

Ion Ratio Lower Upper

91 100

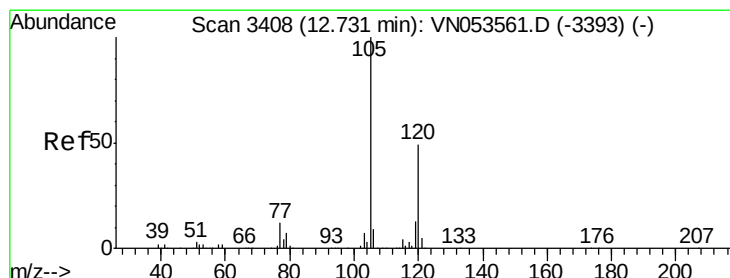
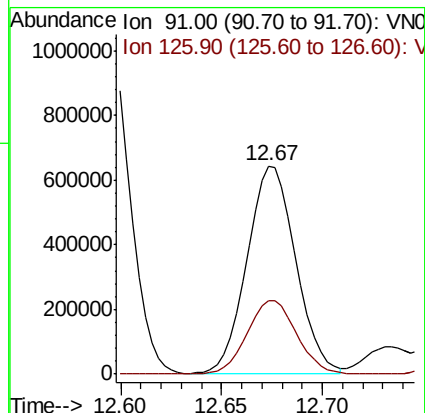
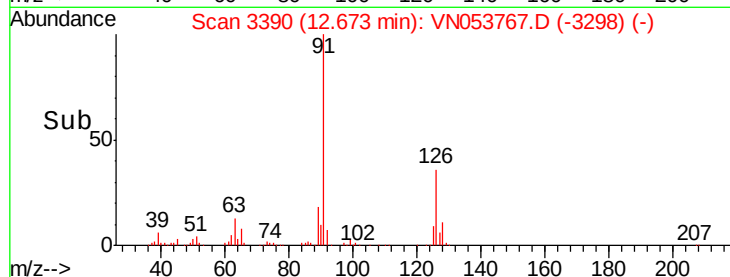
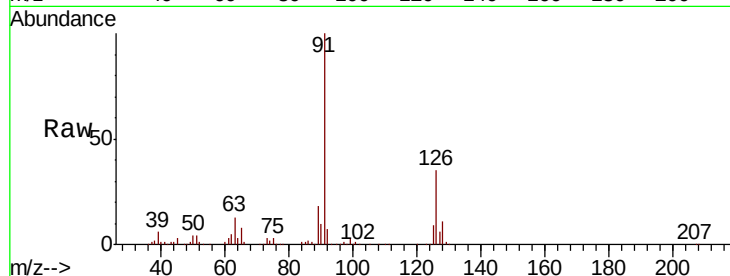
126 36.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.394 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053767.D

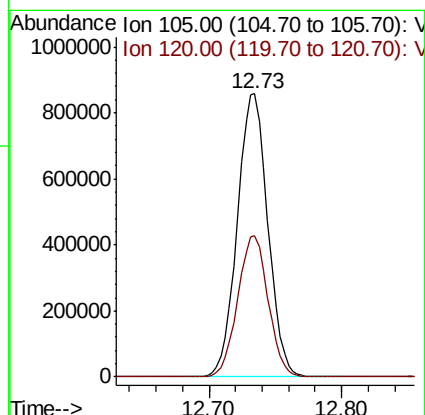
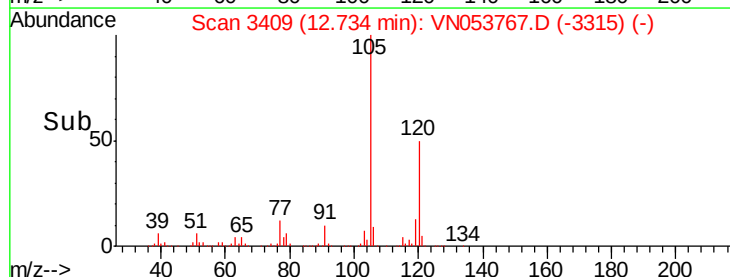
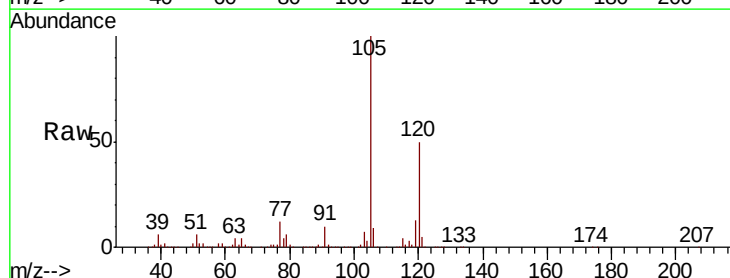
Acq: 13 Feb 2019 20:37

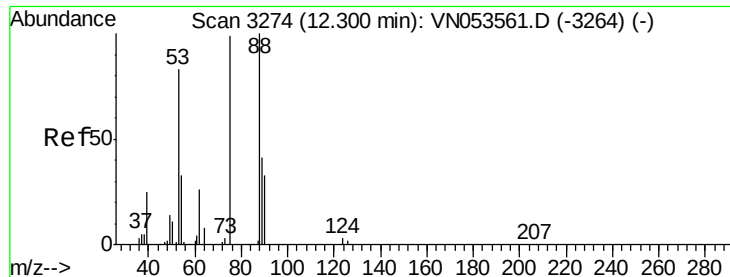
Tgt Ion: 105 Resp: 1367058

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 52.819 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 105964

Ion Ratio Lower Upper

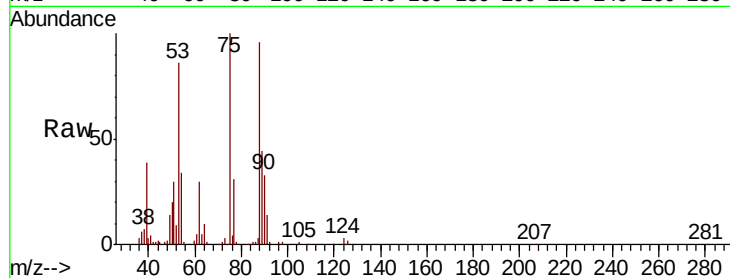
75 100

53 88.0 69.8 104.6

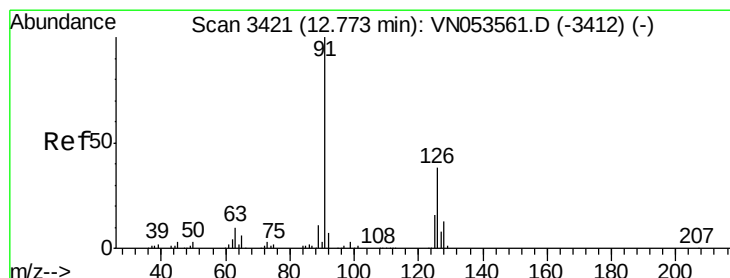
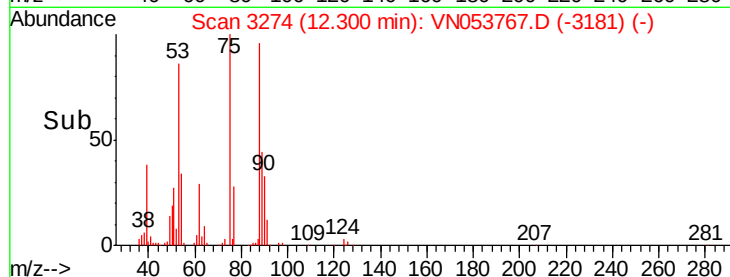
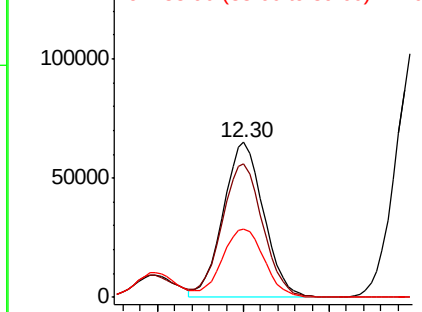
89 46.0 35.6 53.4

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Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 50.373 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053767.D

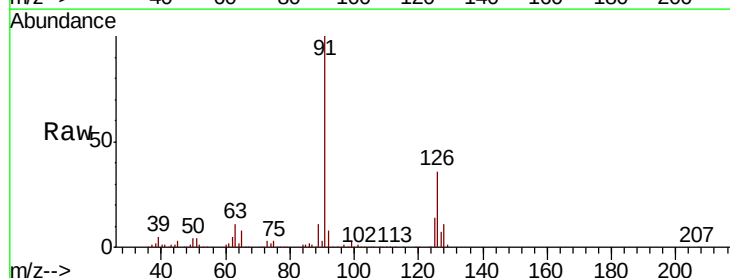
Acq: 13 Feb 2019 20:37

Tgt Ion: 91 Resp: 1094546

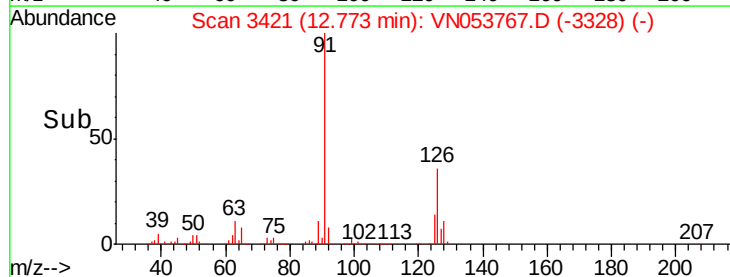
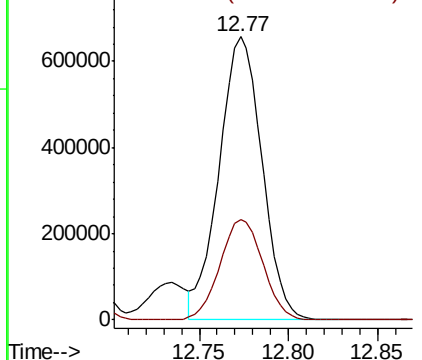
Ion Ratio Lower Upper

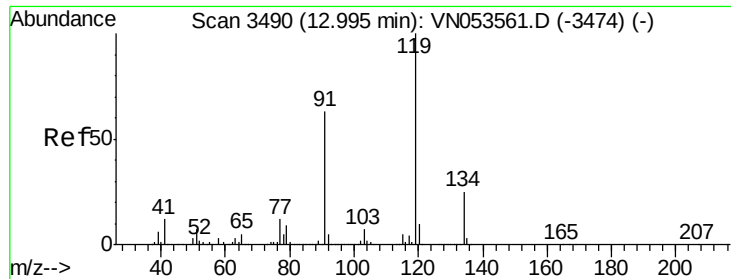
91 100

126 35.6 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): VNO





#83

tert-Butylbenzene

Concen: 53.218 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1204237

Ion Ratio Lower Upper

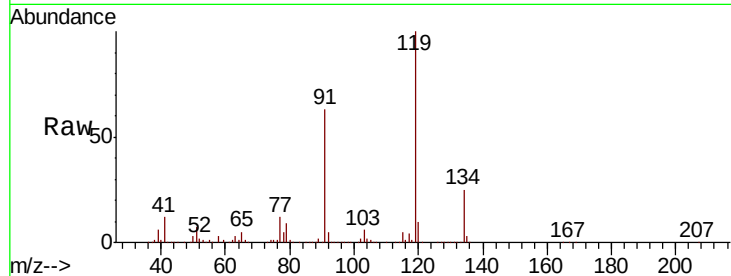
119 100

91 61.2 31.3 93.8

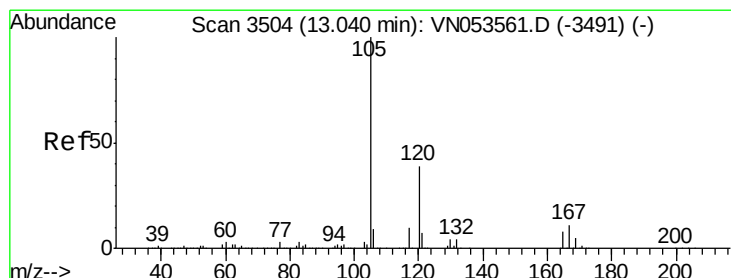
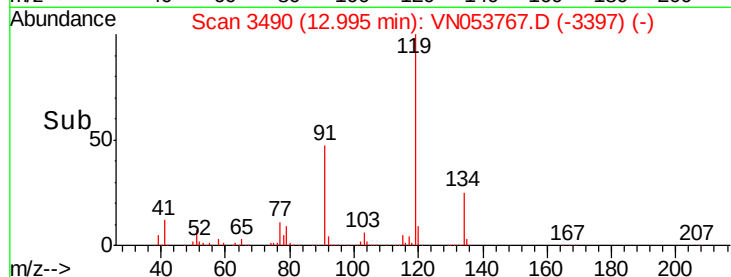
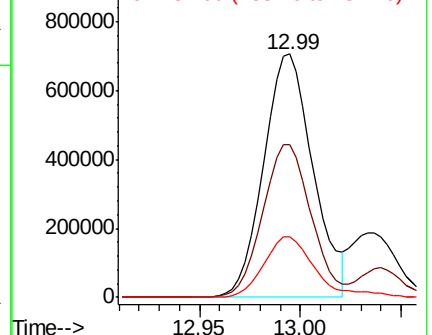
134 26.0 12.9 38.7

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.104 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053767.D

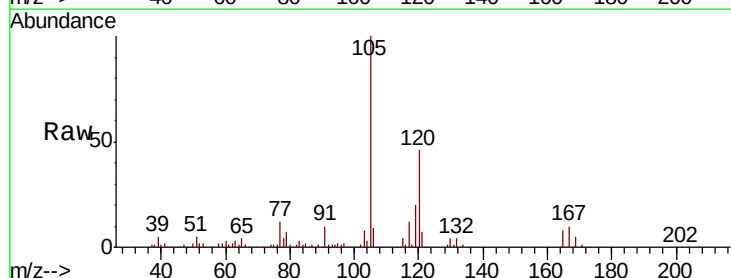
Acq: 13 Feb 2019 20:37

Tgt Ion:105 Resp: 1385191

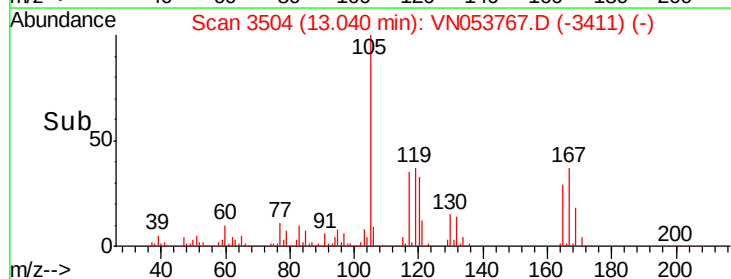
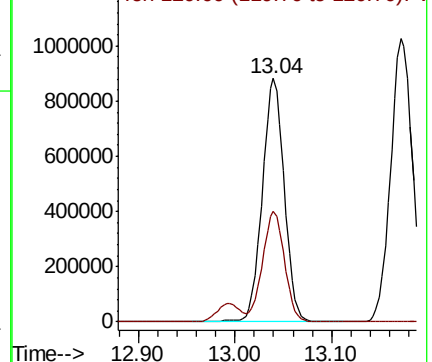
Ion Ratio Lower Upper

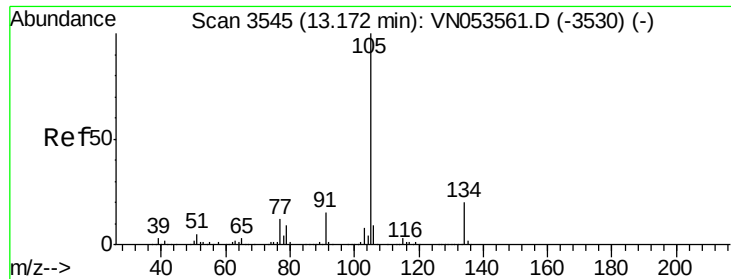
105 100

120 45.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.230 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1608326

Ion Ratio Lower Upper

105 100

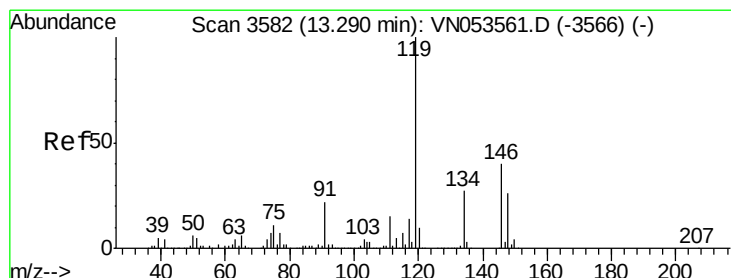
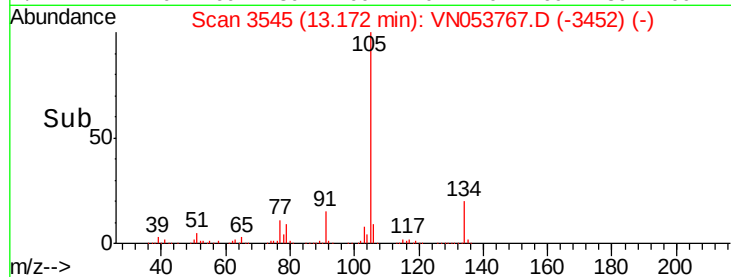
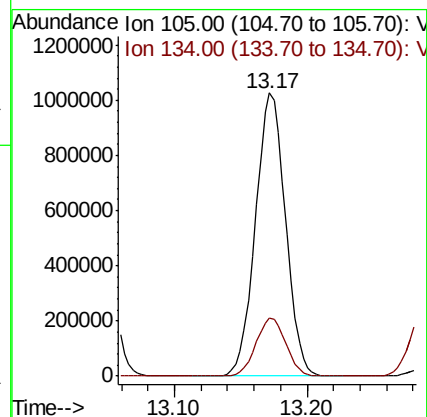
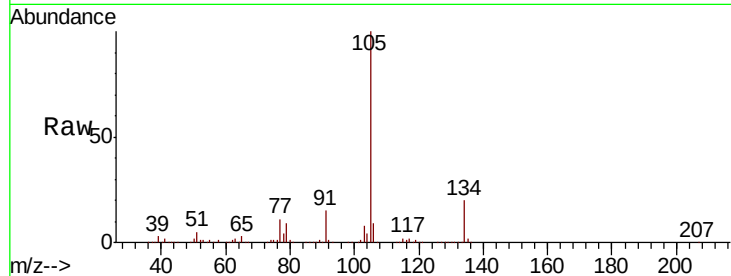
134 20.6 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.904 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

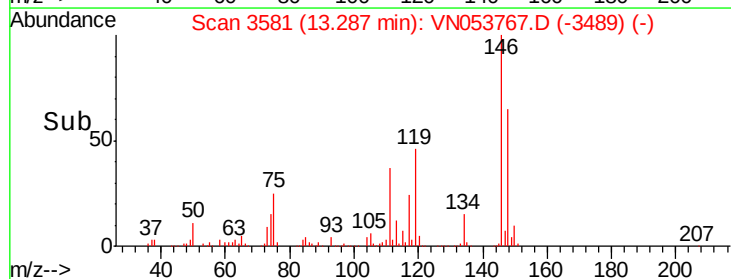
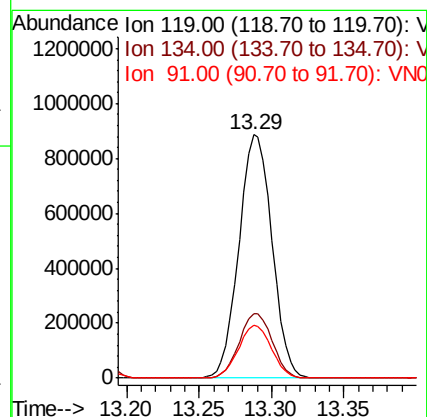
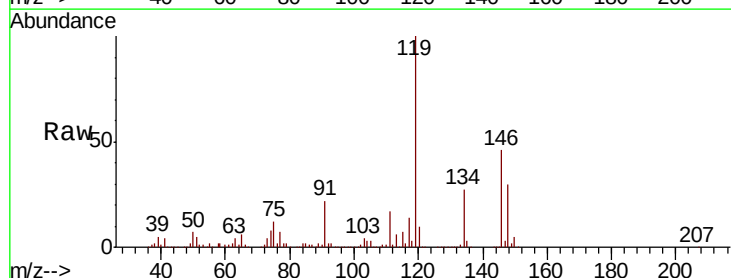
Tgt Ion:119 Resp: 1397840

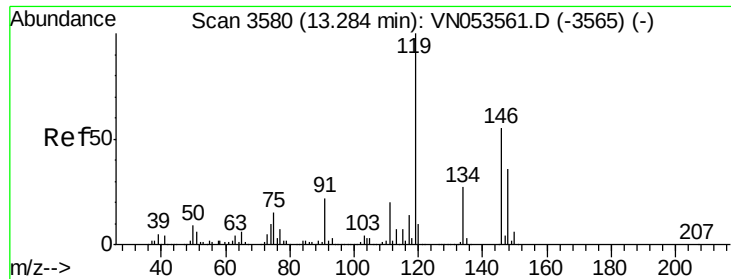
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 21.7 11.0 33.0





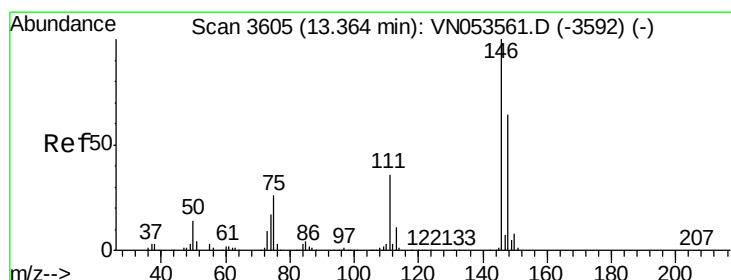
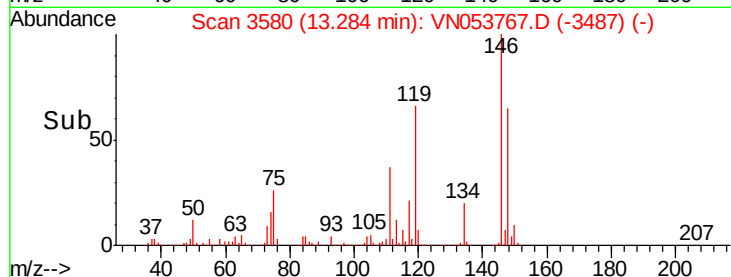
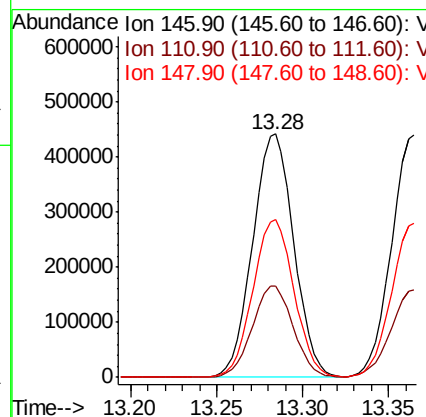
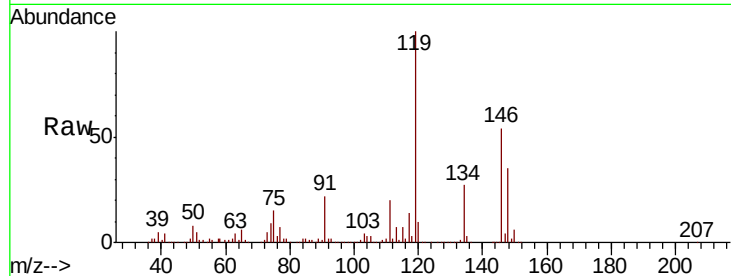
#87
 1,3-Dichlorobenzene
 Concen: 48.995 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.3
148	64.7	32.0	96.2

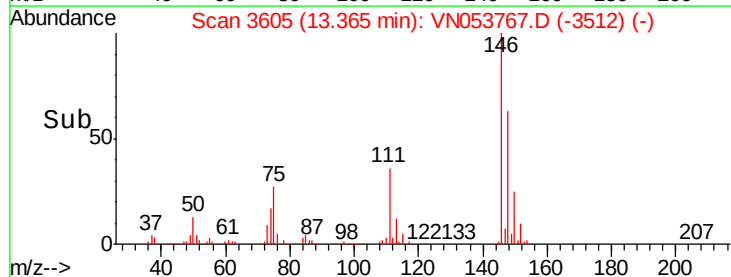
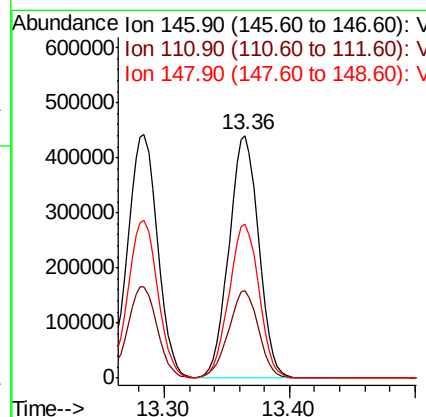
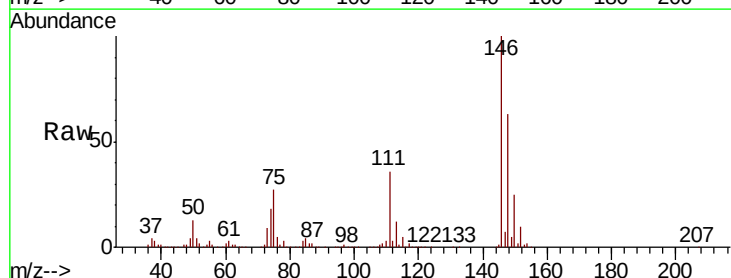
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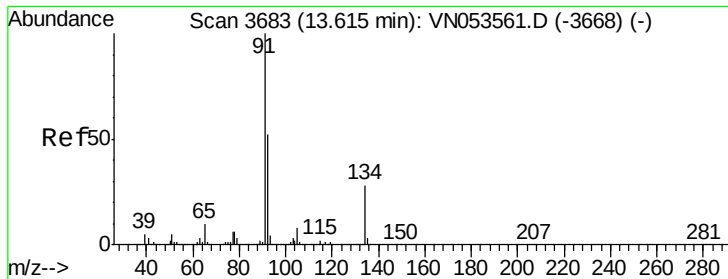
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#88
 1,4-Dichlorobenzene
 Concen: 48.936 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.6	55.8
148	63.9	32.4	97.0





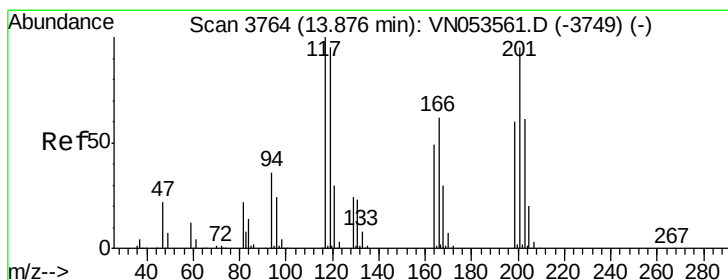
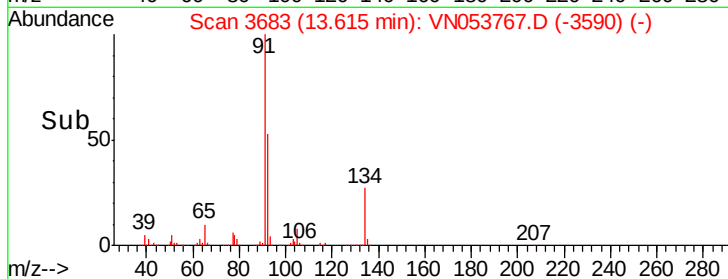
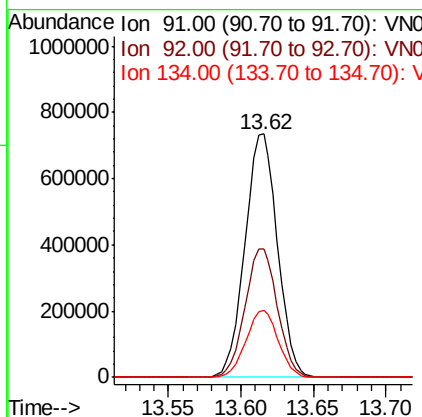
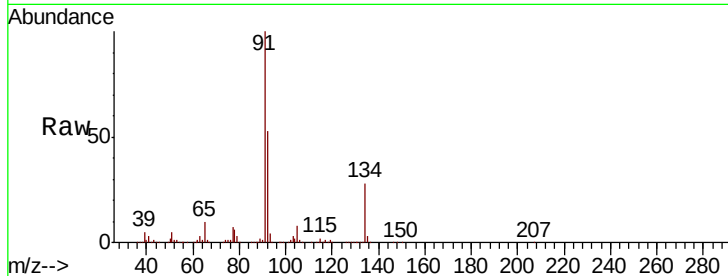
#89
n-Butylbenzene
Concen: 49.105 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	27.3	13.5	40.5

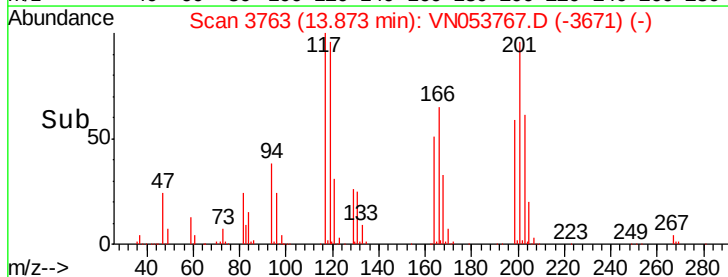
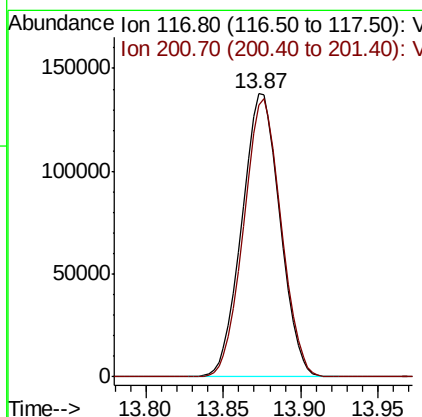
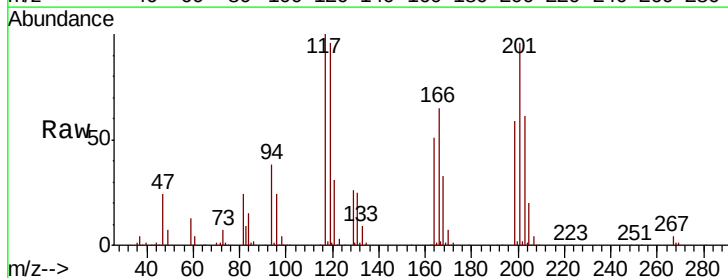
Manual Integrations
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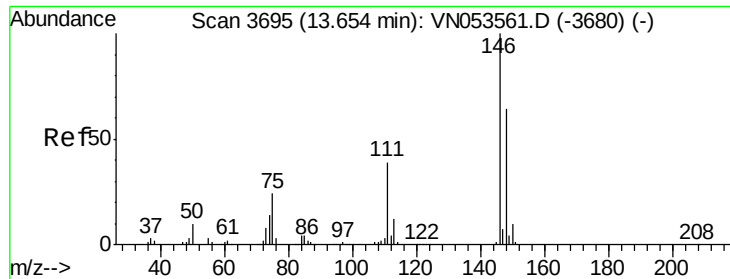
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#90
Hexachloroethane
Concen: 53.288 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.2	46.8	140.4





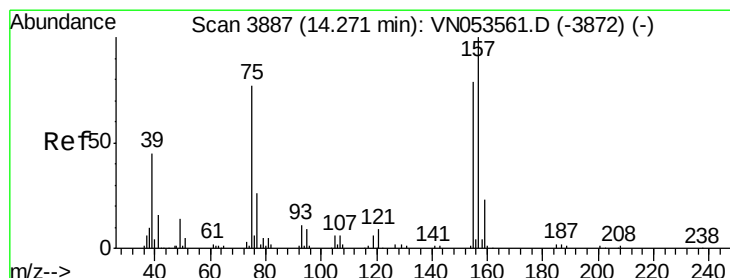
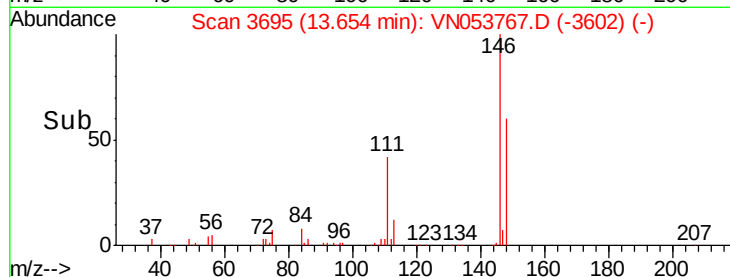
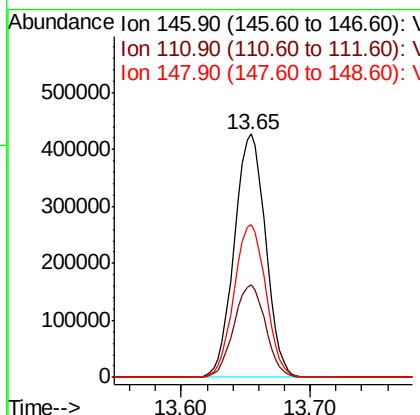
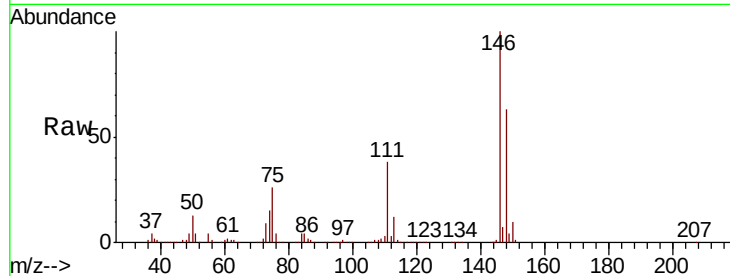
#91
 1,2-Dichlorobenzene
 Concen: 50.232 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.5	58.5
148	63.8	31.9	95.9

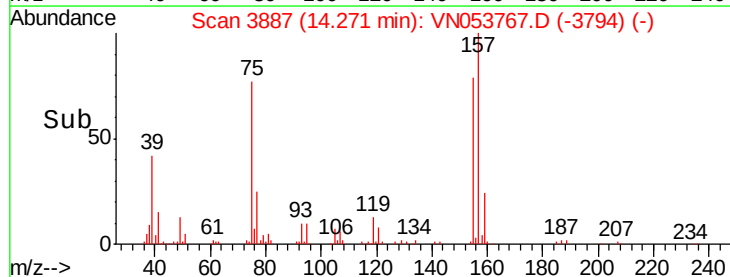
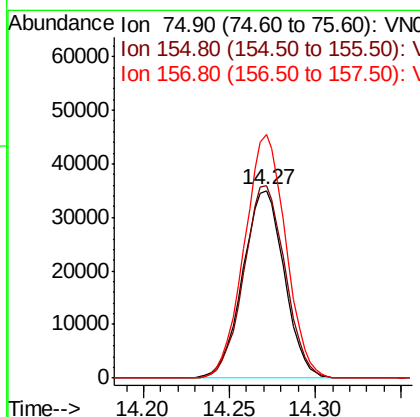
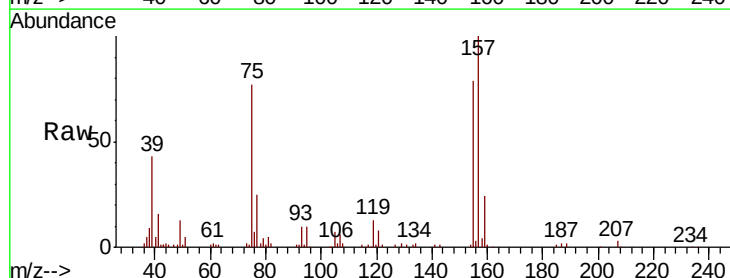
Manual Integrations
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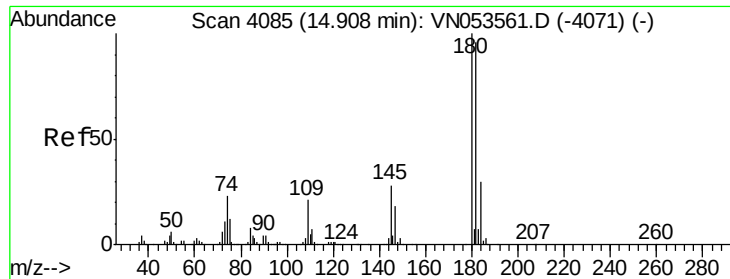
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 2/14/2019 10:39:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.703 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	48.9	146.7
157	129.4	63.7	191.3





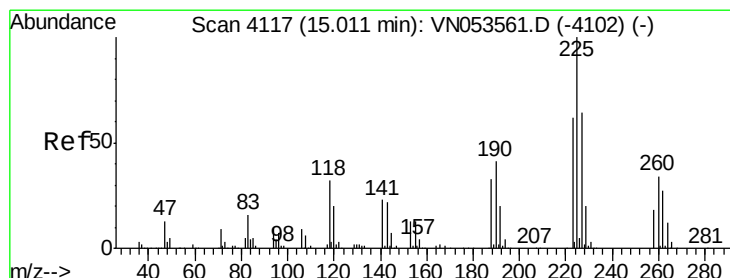
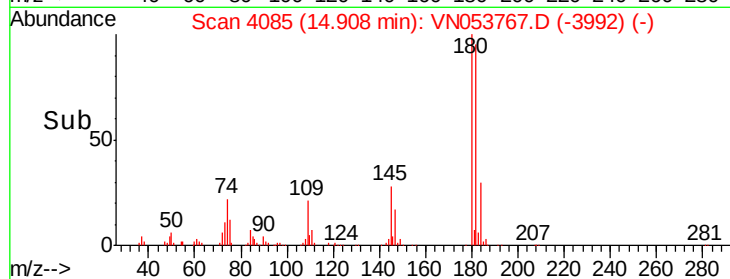
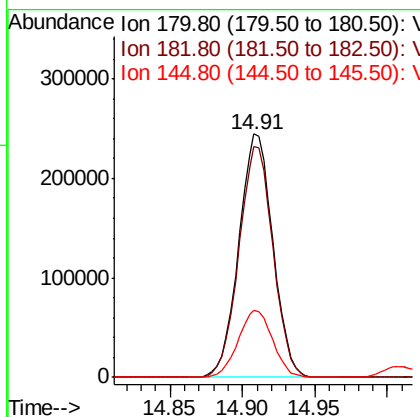
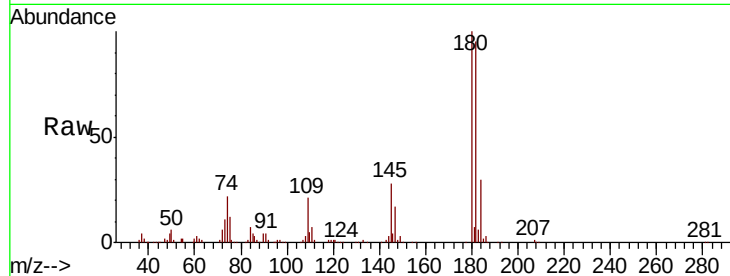
#93
 1,2,4-Trichlorobenzene
 Concen: 48.598 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	399145		
182	95.0	48.1	144.3	
145	27.9	13.9	41.6	

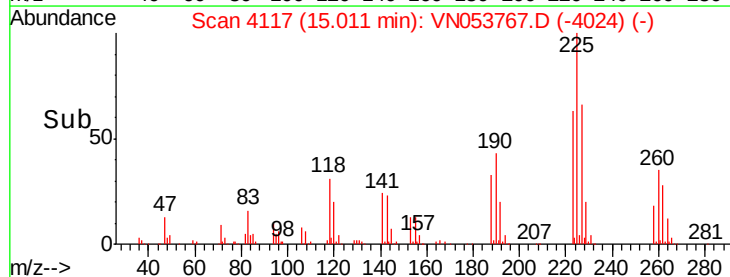
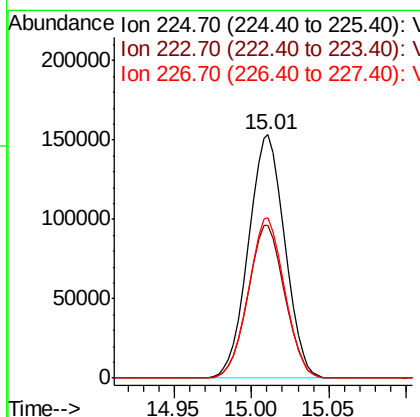
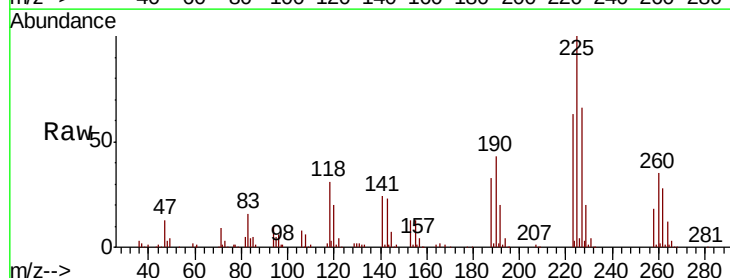
Manual Integrations
 APPROVED

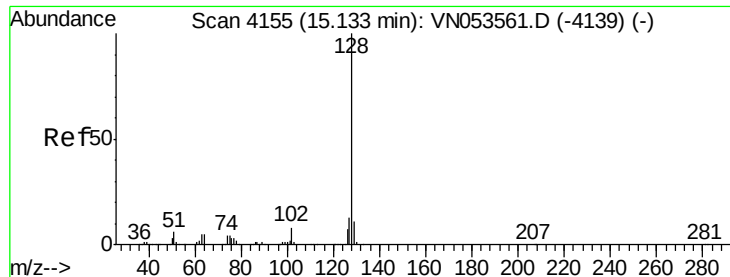
MMDadoda
 2/14/2019 10:39:18 AM



#94
 Hexachlorobutadiene
 Concen: 49.208 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	251689		
223	63.4	31.1	93.2	
227	65.5	32.0	96.2	





#95

Naphthalene

Concen: 43.501 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

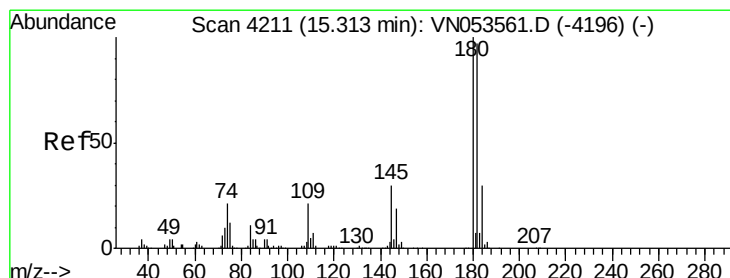
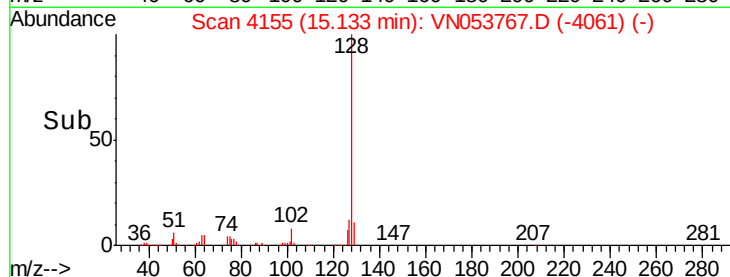
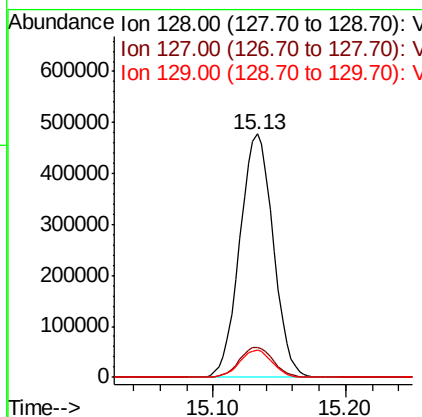
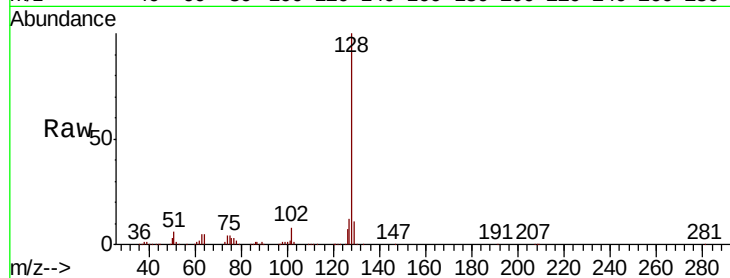
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	834760
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:39:18 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.233 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Tgt Ion:	180	Resp:	375196
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.8
145	29.0	14.7	44.1

