

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055020.D
 Acq On : 13 Apr 2019 00:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:58:45 PM

Quant Time: Apr 15 01:46:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	504386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	807620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	663404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	278409	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	327761	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	7.59	113	261245	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.09	98	937118	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	299052	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	252936	45.464	ug/l	100
3) Chloromethane	2.06	50	311026	41.688	ug/l	98
4) Vinyl Chloride	2.19	62	264864	43.749	ug/l	98
5) Bromomethane	2.55	94	144229	41.154	ug/l	96
6) Chloroethane	2.70	64	145188	43.486	ug/l	97
7) Trichlorofluoromethane	3.02	101	341008	44.904	ug/l	95
8) Diethyl Ether	3.41	74	108032	45.234	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	170076	42.939	ug/l	99
10) Methyl Iodide	3.94	142	330674	57.887	ug/l	94
11) Tert butyl alcohol	4.83	59	95349	244.800	ug/l	99
12) 1,1-Dichloroethene	3.73	96	165894	42.540	ug/l	99
13) Acrolein	3.61	56	105908	225.267	ug/l	97
14) Allyl chloride	4.32	41	430556	45.187	ug/l	100
15) Acrylonitrile	5.00	53	517820	241.037	ug/l	99
16) Acetone	3.82	43	335109	192.718	ug/l	98
17) Carbon Disulfide	4.04	76	565310	44.506	ug/l	98
18) Methyl Acetate	4.33	43	242656	45.019	ug/l	98
19) Methyl tert-butyl Ether	5.06	73	673149	48.312	ug/l	99
20) Methylene Chloride	4.54	84	261263	46.175	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	233939	45.537	ug/l	94
22) Diisopropyl ether	5.96	45	917377	47.485	ug/l	99
23) Vinyl Acetate	5.90	43	3324383	246.027	ug/l	100
24) 1,1-Dichloroethane	5.85	63	473826	45.411	ug/l	98
25) 2-Butanone	6.85	43	642871	240.047	ug/l	99
26) 2,2-Dichloropropane	6.82	77	261740	37.917	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	268214	44.942	ug/l	99
28) Bromochloromethane	7.20	49	224961	45.442	ug/l	99
29) Tetrahydrofuran	7.22	42	428540	244.098	ug/l	99
30) Chloroform	7.37	83	446406	44.866	ug/l	99
31) Cyclohexane	7.65	56	430134	44.447	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	367667	46.385	ug/l	99
36) 1,1-Dichloropropene	7.79	75	341600	45.766	ug/l	99
37) Ethyl Acetate	6.94	43	282451	50.407	ug/l	98
38) Carbon Tetrachloride	7.77	117	306763	43.662	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	340358	39.831	ug/l	100
40) Benzene	8.04	78	1016737	45.056	ug/l	100
41) Methacrylonitrile	7.18	41	165925	48.124	ug/l	97
42) 1,2-Dichloroethane	8.13	62	356080	44.855	ug/l	99
43) Isopropyl Acetate	8.17	43	480181	50.117	ug/l	99
44) Trichloroethene	8.83	130	257129	44.586	ug/l	99
45) 1,2-Dichloropropane	9.12	63	287225	45.103	ug/l	100
46) Dibromomethane	9.21	93	164086	44.968	ug/l	98
47) Bromodichloromethane	9.40	83	337431	45.474	ug/l	99
48) Methyl methacrylate	9.20	41	231799	46.963	ug/l	100
49) 1,4-Dioxane	9.20	88	46107	868.610	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1404349	250.326	ug/l	99
52) Toluene	10.16	92	594907	44.576	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	320199	47.655	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	388050	46.884	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	230034	46.270	ug/l	99
56) Ethyl methacrylate	10.43	69	318866	49.844	ug/l	98
57) 1,3-Dichloropropane	10.71	76	395077	46.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	615941	216.878	ug/l	98
59) 2-Hexanone	10.75	43	865021	246.746	ug/l	100
60) Dibromochloromethane	10.90	129	239007	48.297	ug/l	100
61) 1,2-Dibromoethane	11.01	107	220454	46.314	ug/l	100
64) Tetrachloroethene	10.63	164	234420	45.174	ug/l	96
65) Chlorobenzene	11.43	112	614743	48.058	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	232325	49.283	ug/l	99
67) Ethyl Benzene	11.51	91	1113774	47.401	ug/l	98
68) m/p-Xylenes	11.62	106	813336	94.612	ug/l	99
69) o-Xylene	11.95	106	396456	46.611	ug/l	99
70) Styrene	11.96	104	675797	50.109	ug/l	99
71) Bromoform	12.13	173	146972	45.703	ug/l #	100
73) Isopropylbenzene	12.25	105	1033491	43.660	ug/l	99
74) N-amyl acetate	12.07	43	413852	58.004	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	285715	46.620	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	251322m	49.067	ug/l	
77) Bromobenzene	12.53	156	264421	49.818	ug/l	99
78) n-propylbenzene	12.59	91	1142550	44.303	ug/l	100
79) 2-Chlorotoluene	12.67	91	700259	43.953	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	846686	43.938	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	59895	48.265	ug/l	97
82) 4-Chlorotoluene	12.77	91	706600	45.859	ug/l	100
83) tert-Butylbenzene	12.99	119	706923	42.822	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	835763	45.231	ug/l	100
85) sec-Butylbenzene	13.17	105	893422	42.387	ug/l	99
86) p-Isopropyltoluene	13.29	119	950066	51.821	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	425707	45.018	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	415020	45.887	ug/l	100
89) n-Butylbenzene	13.62	91	653076	45.356	ug/l	99
90) Hexachloroethane	13.88	117	123086	40.629	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	424888	46.283	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42836	53.753	ug/l	97

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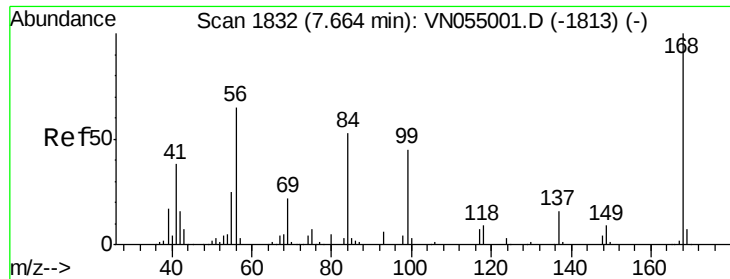
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	203337	44.979	ug/l	99
94) Hexachlorobutadiene	15.01	225	121896	44.266	ug/l	98
95) Naphthalene	15.13	128	503505	47.574	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	203468	49.134	ug/l	99

(#) = 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: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 504386

Ion Ratio Lower Upper

168 100

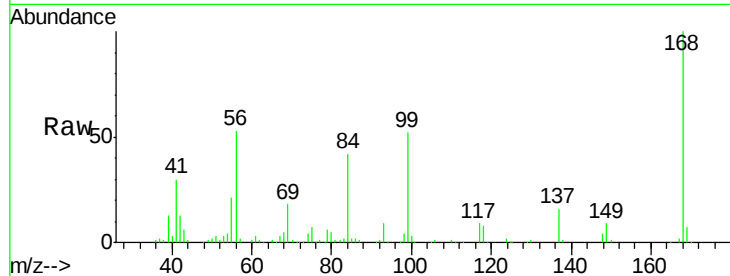
99 51.5 41.9 62.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

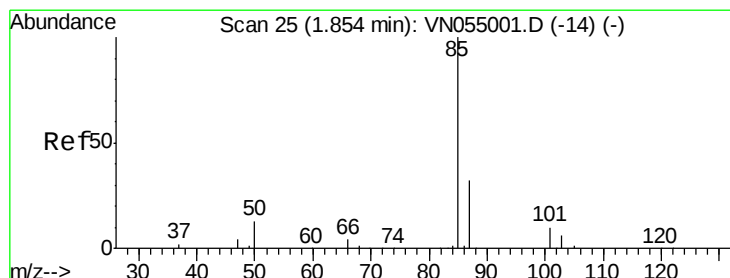
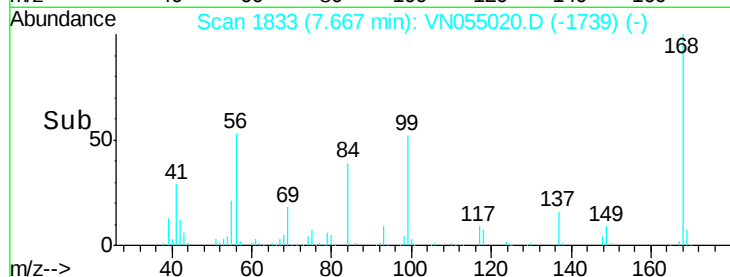
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.464 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055020.D

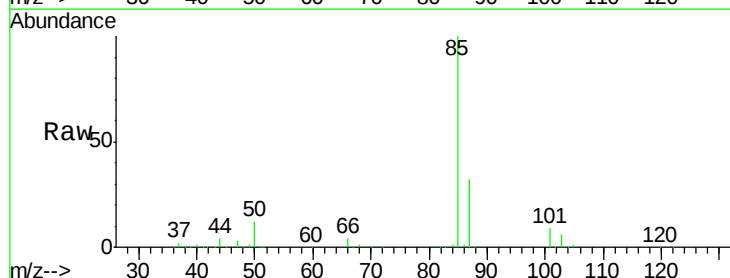
Acq: 13 Apr 2019 00:38

Tgt Ion: 85 Resp: 252936

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

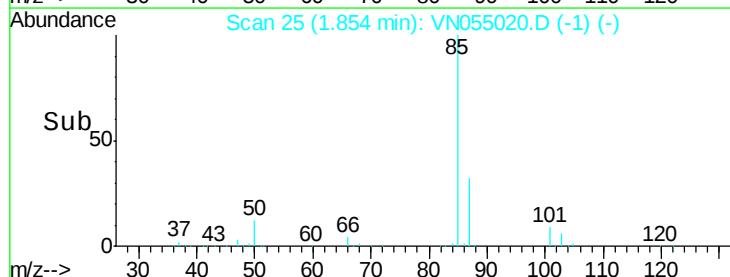
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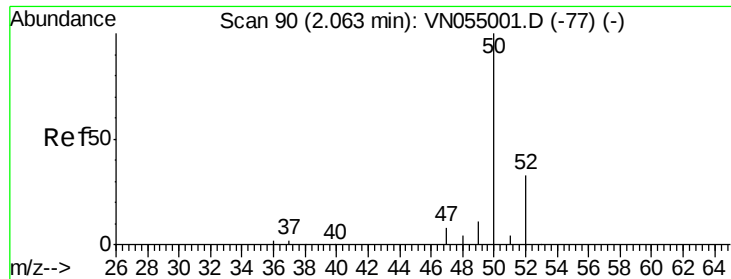
50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 41.688 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 311026

Ion Ratio Lower Upper

50 100

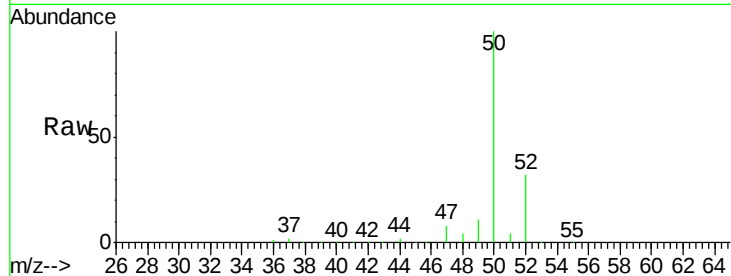
52 32.4 26.6 40.0

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

200000

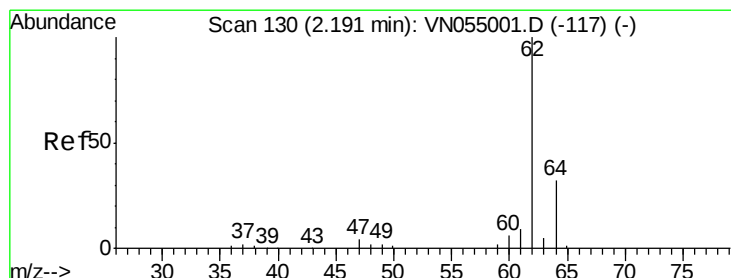
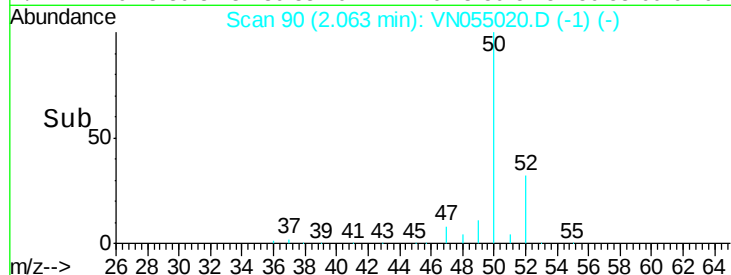
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 43.749 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055020.D

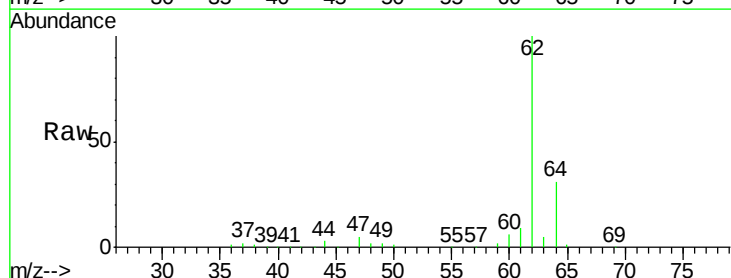
Acq: 13 Apr 2019 00:38

Tgt Ion: 62 Resp: 264864

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

200000

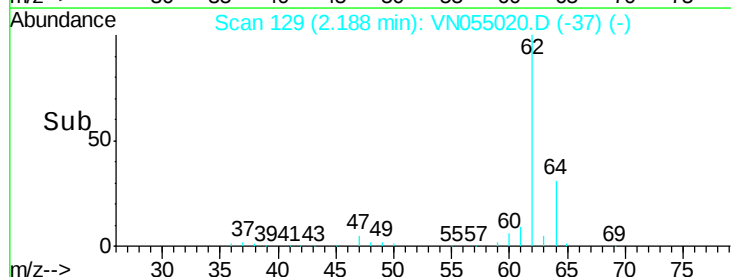
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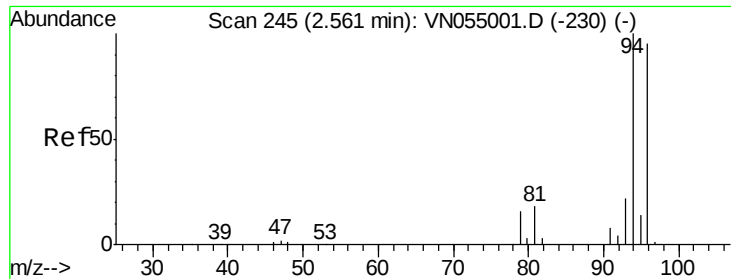
100000

50000

0

Time-->





#5

Bromomethane

Concen: 41.154 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 144229

Ion Ratio Lower Upper

94 100

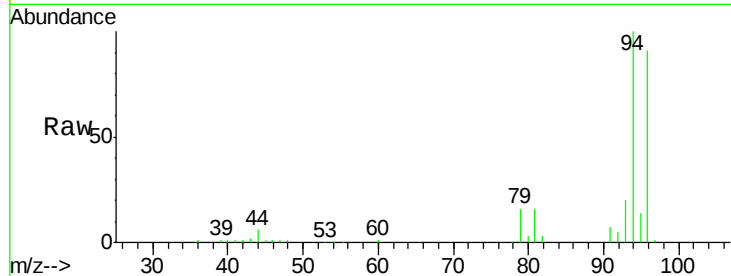
96 91.0 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

80000

60000

40000

20000

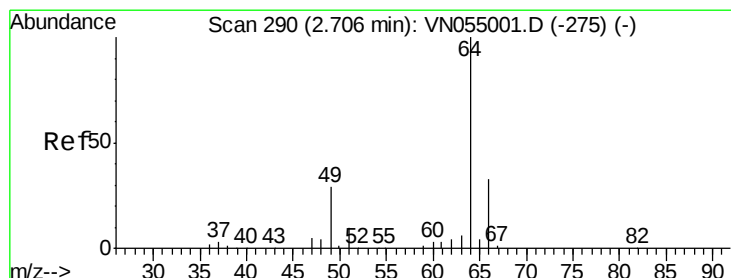
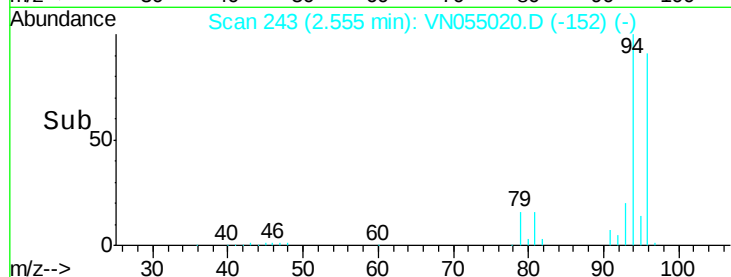
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 43.486 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN055020.D

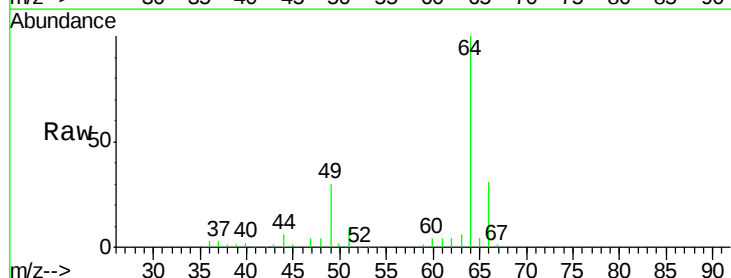
Acq: 13 Apr 2019 00:38

Tgt Ion: 64 Resp: 145188

Ion Ratio Lower Upper

64 100

66 31.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

80000

60000

40000

20000

0

Time-->

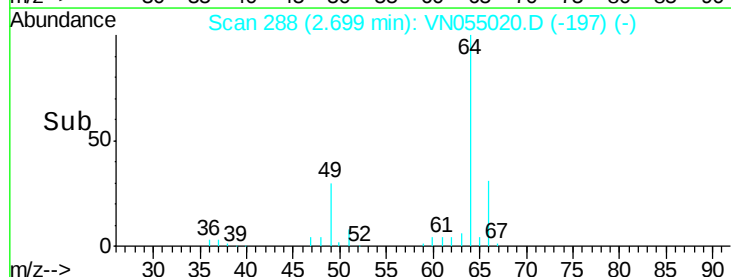
2.60

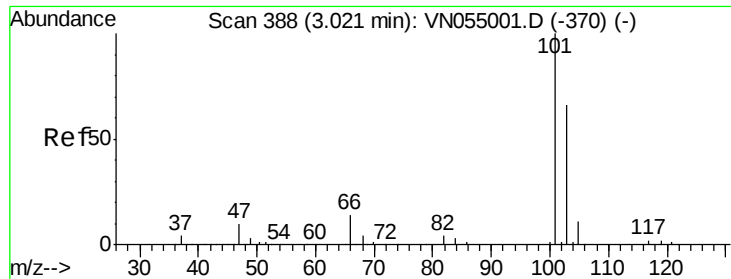
2.65

2.70

2.75

2.80





#7

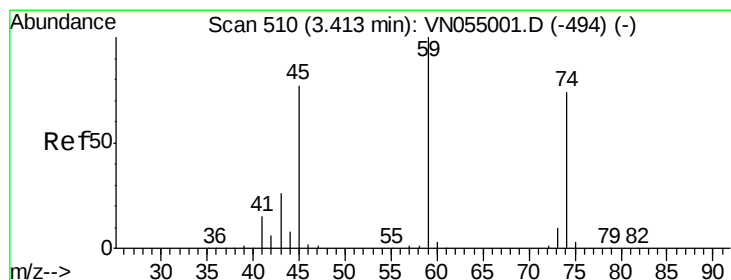
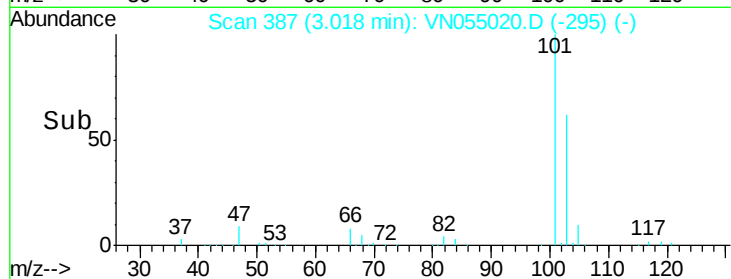
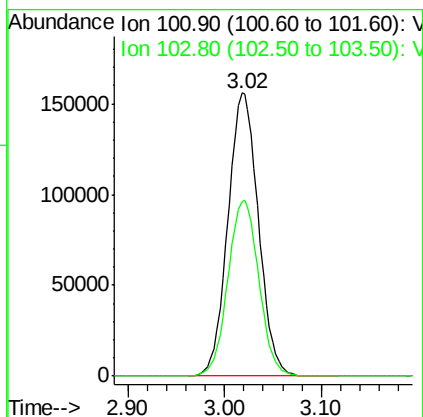
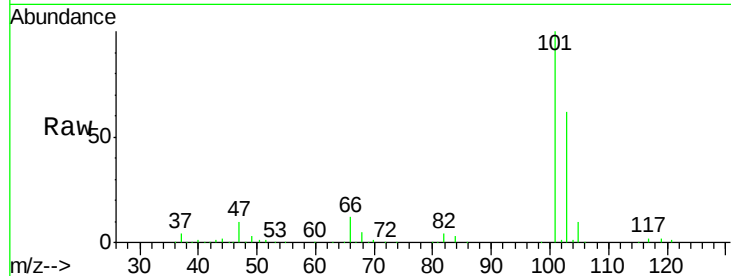
Trichlorofluoromethane
 Concen: 44.904 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	52.5	78.7

Manual Integrations
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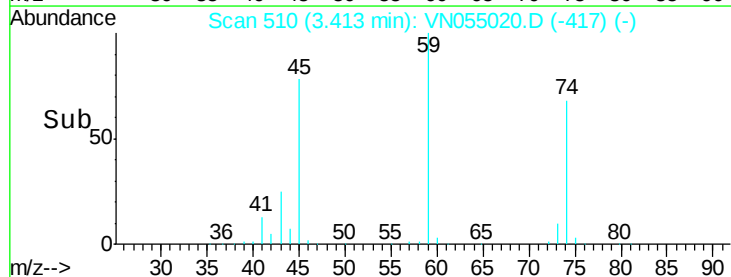
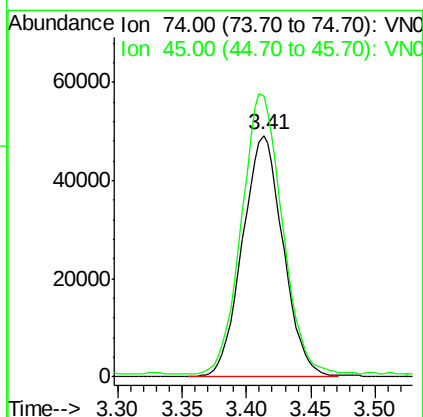
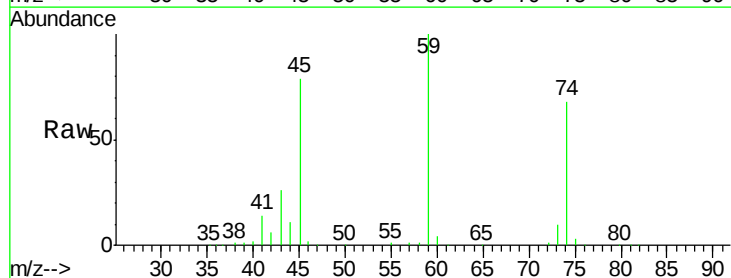
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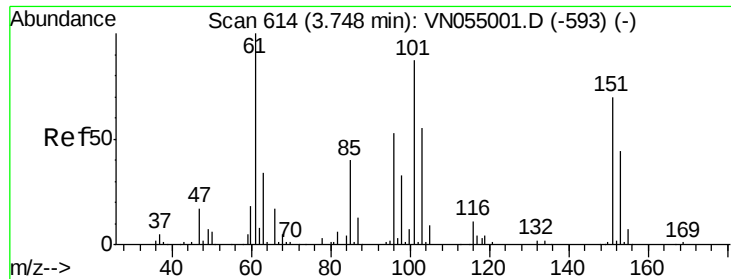


#8

Diethyl Ether
 Concen: 45.234 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.0	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.939 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

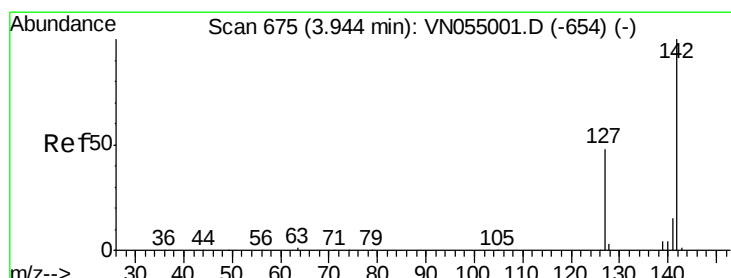
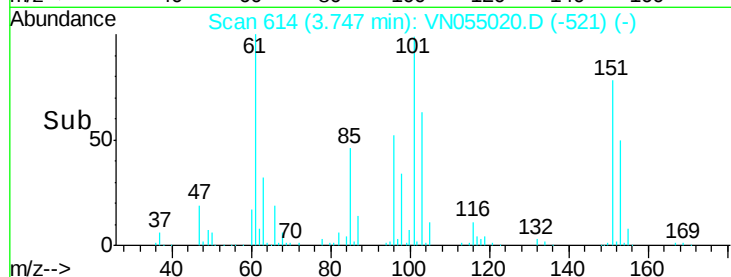
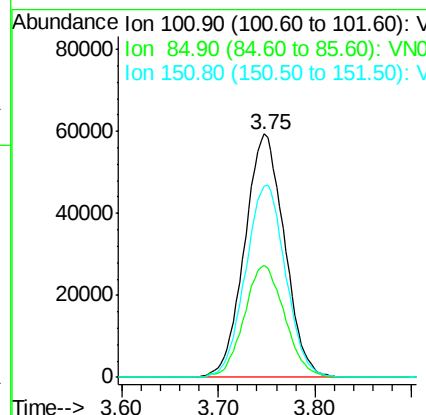
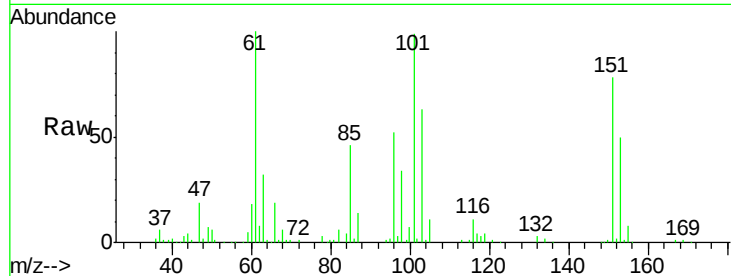
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	170076
Ion Ratio	Lower	Upper	
101	100		
85	46.8	36.9	55.3
151	79.4	64.4	96.6

Manual Integrations
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4/16/2019 1:58:45 PM



#10

Methyl Iodide

Concen: 57.887 ug/l

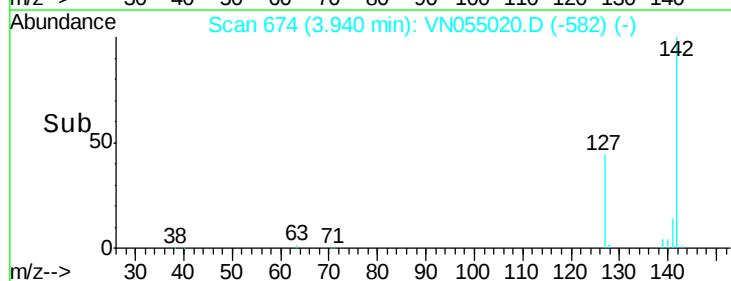
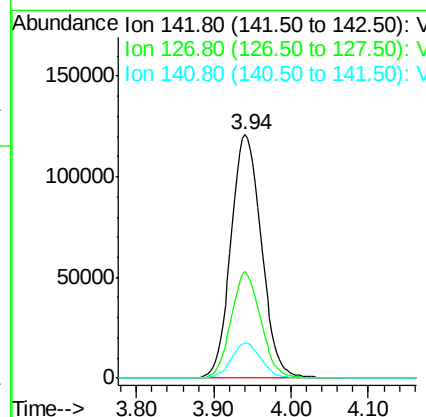
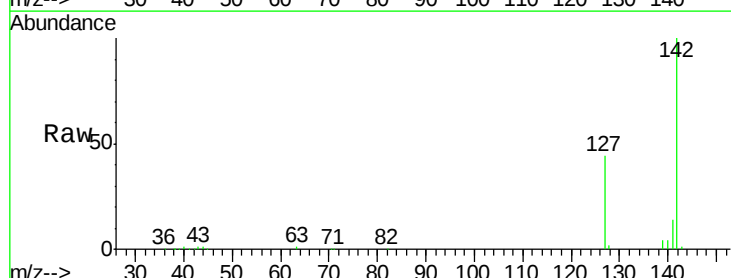
RT: 3.94 min Scan# 674

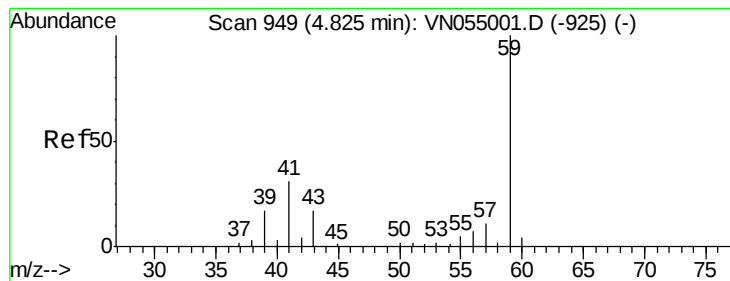
Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion:	142	Resp:	330674
Ion Ratio	Lower	Upper	
142	100		
127	42.3	37.9	56.9
141	14.1	11.8	17.8





#11

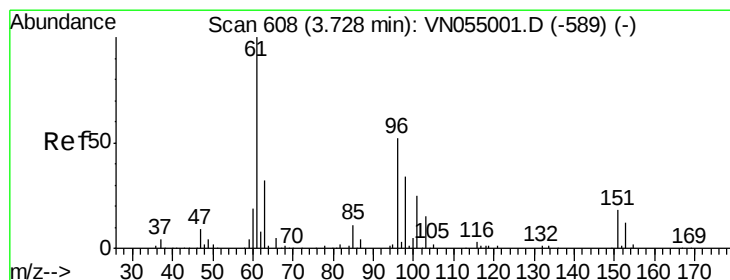
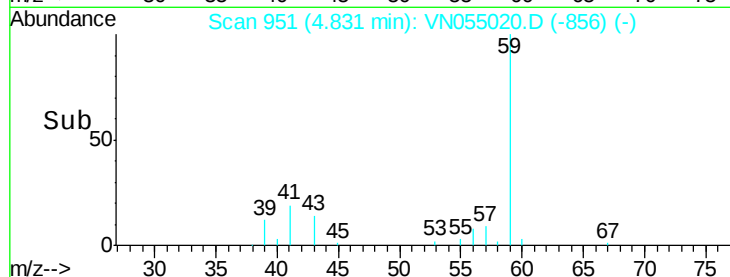
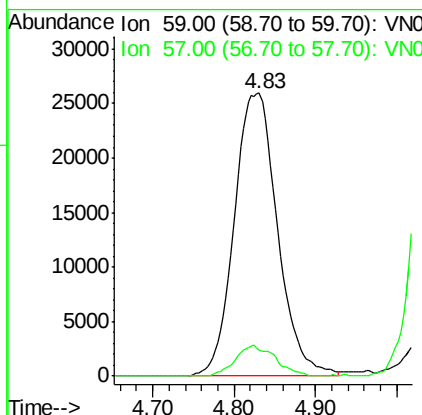
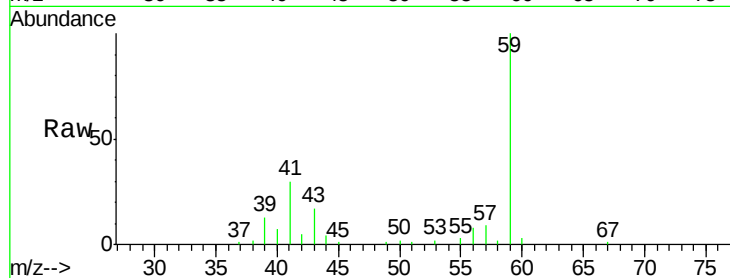
Tert butyl alcohol
 Concen: 244.800 ug/l
 RT: 4.83 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.1	Resp	95349	Lower	8.3	Upper	12.5
Ion	59	57	Ratio	100	10.1	Resp	95349	Lower	8.3	Upper	12.5

Manual Integrations
 APPROVED

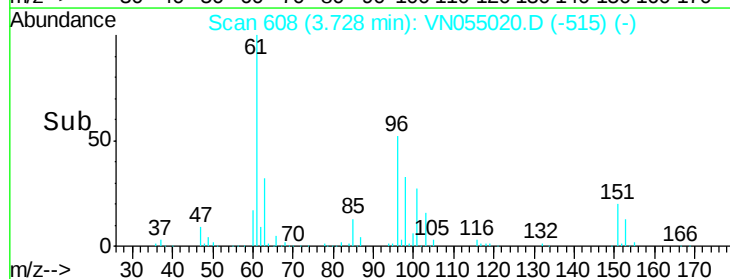
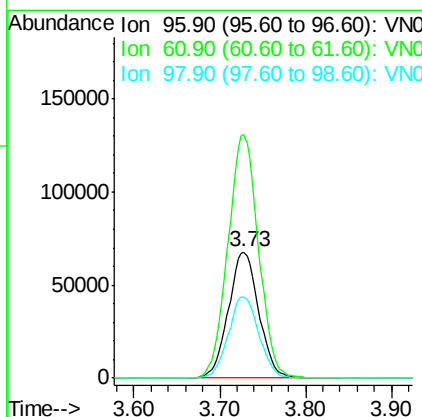
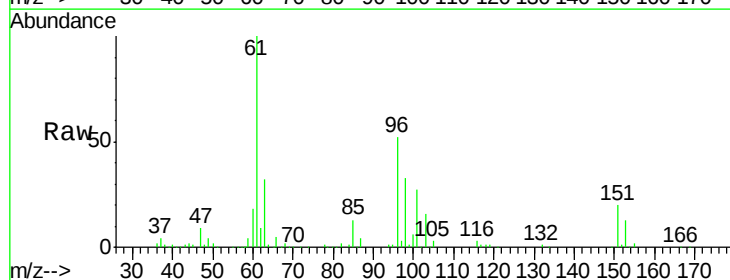
MMDadoda
 4/16/2019 1:58:45 PM

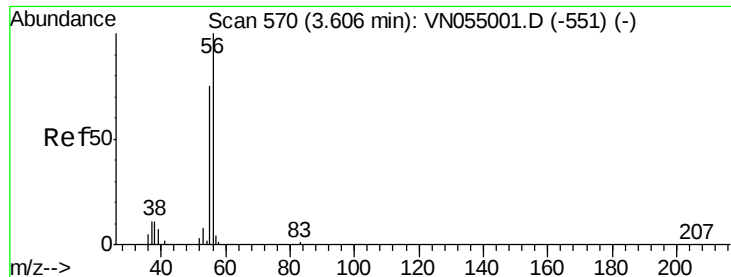


#12

1,1-Dichloroethene
 Concen: 42.540 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion	96	61	98	Ratio	100	193.4	64.1	Resp	165894	Lower	154.2	52.9	Upper	231.4	79.3
Ion	96	61	98	Ratio	100	193.4	64.1	Resp	165894	Lower	154.2	52.9	Upper	231.4	79.3





#13

Acrolein

Concen: 225.267 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 105908

Ion Ratio Lower Upper

56 100

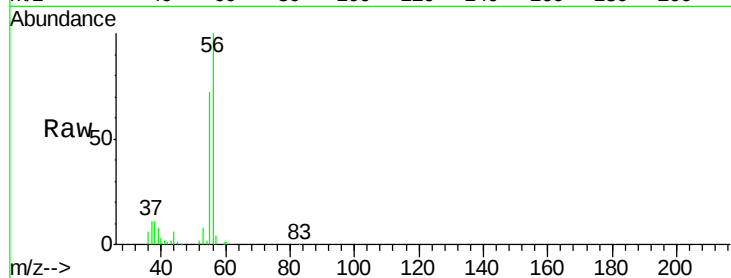
55 72.2 59.5 89.3

Manual Integrations

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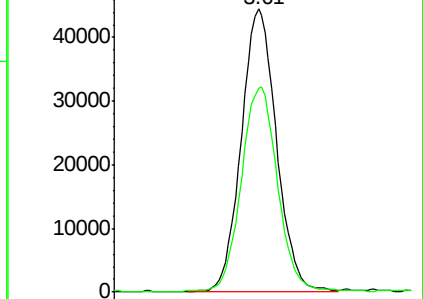
MMDadoda

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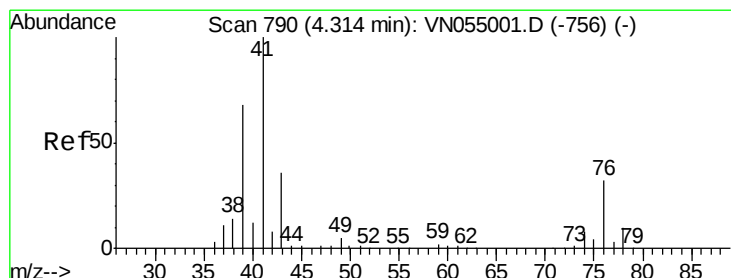
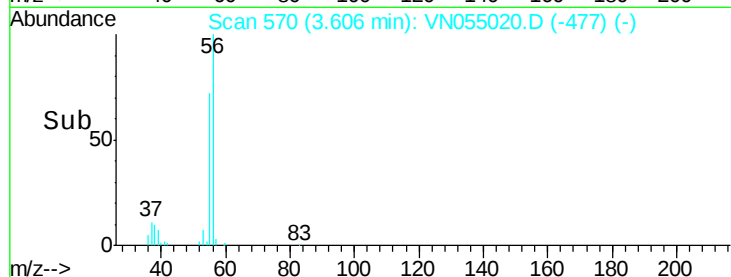


Abundance Ion 56.00 (55.70 to 56.70): VN055020.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN055020.D (-477) (-)



Time-->



#14

Allyl chloride

Concen: 45.187 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

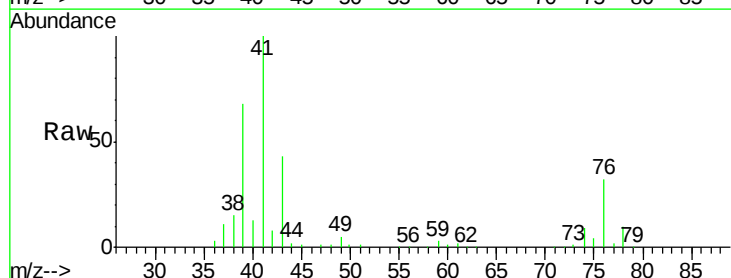
Tgt Ion: 41 Resp: 430556

Ion Ratio Lower Upper

41 100

39 65.8 52.7 79.1

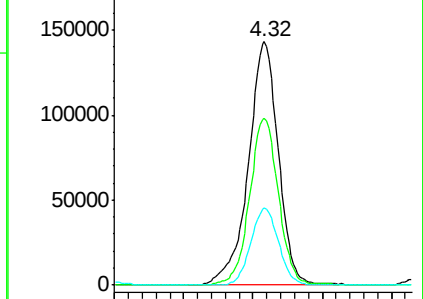
76 29.3 23.2 34.8



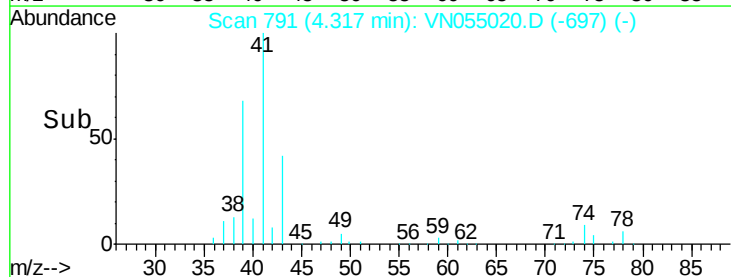
Abundance Ion 41.00 (40.70 to 41.70): VN055020.D (-697) (-)

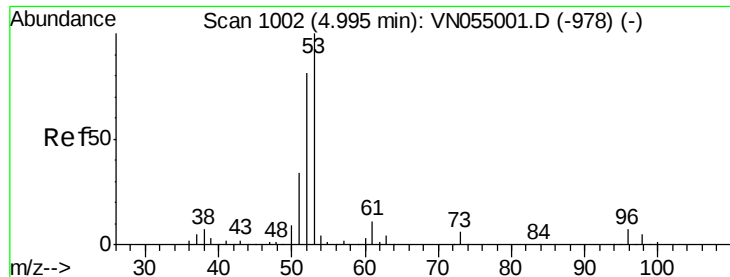
Ion 39.00 (38.70 to 39.70): VN055020.D (-697) (-)

Ion 75.90 (75.60 to 76.60): VN055020.D (-697) (-)



Time-->





#15

Acrylonitrile

Concen: 241.037 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

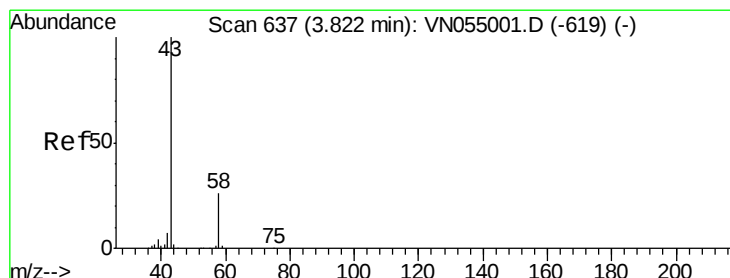
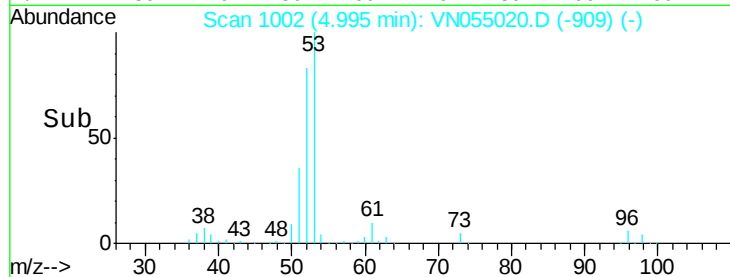
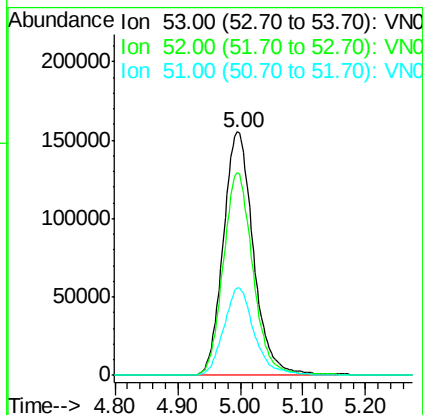
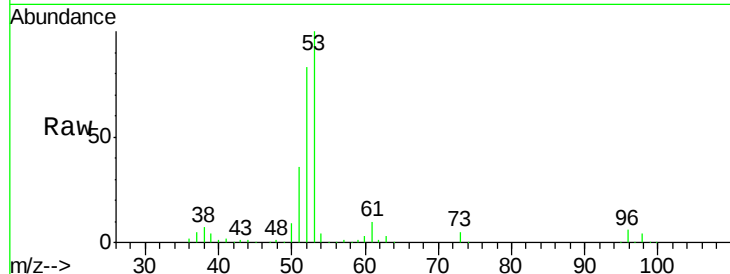
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	517820
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.9	98.9
51	36.5	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 192.718 ug/l

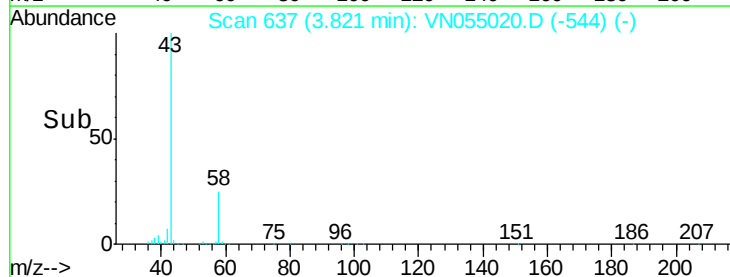
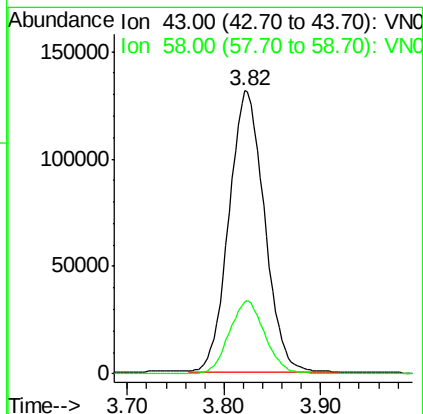
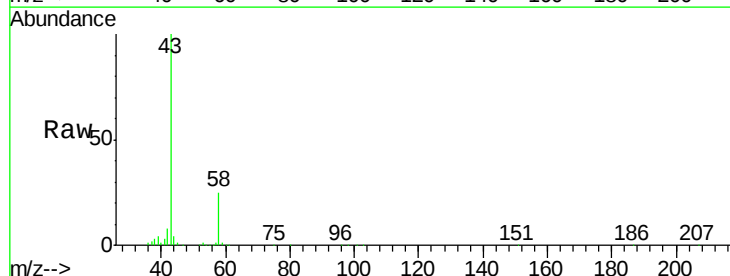
RT: 3.82 min Scan# 637

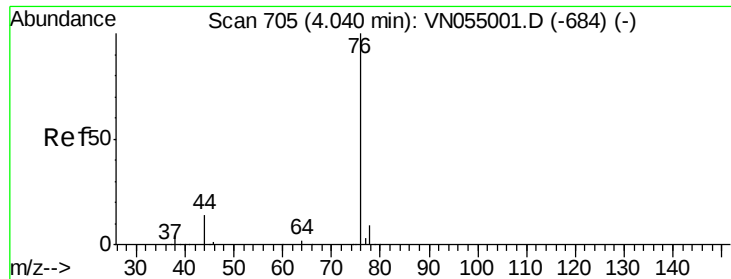
Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion:	43	Resp:	335109
Ion	Ratio	Lower	Upper
43	100		
58	25.3	20.9	31.3





#17

Carbon Disulfide

Concen: 44.506 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 565310

Ion Ratio Lower Upper

76 100

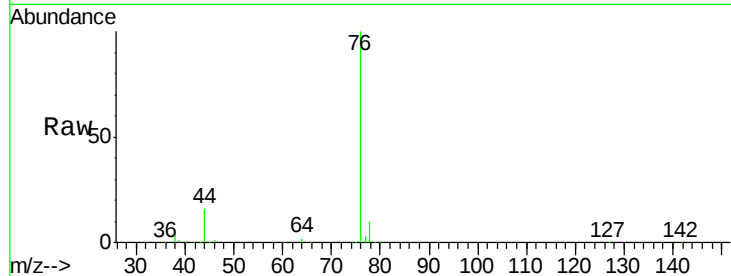
78 9.6 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

250000

200000

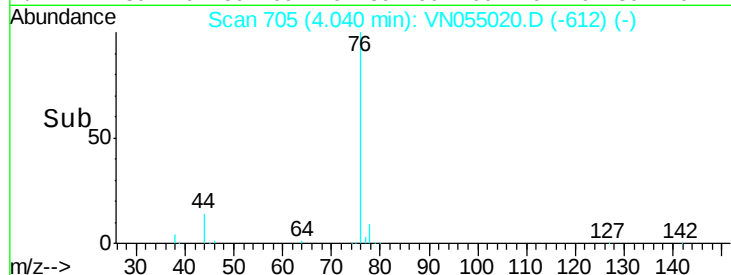
150000

100000

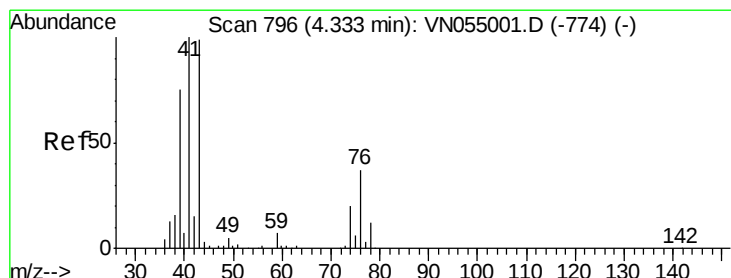
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 45.019 ug/l

RT: 4.33 min Scan# 796

Delta R.T. -0.00 min

Lab File: VN055020.D

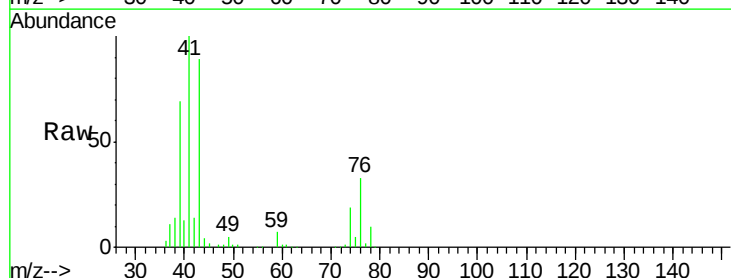
Acq: 13 Apr 2019 00:38

Tgt Ion: 43 Resp: 242656

Ion Ratio Lower Upper

43 100

74 21.0 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

100000

80000

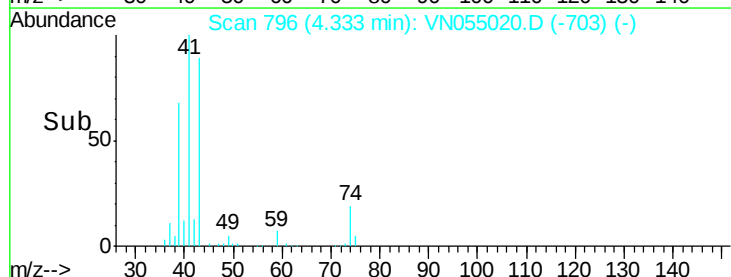
60000

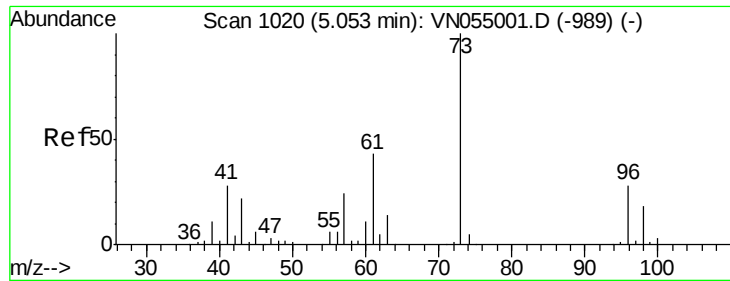
40000

20000

0

Time-->





#19

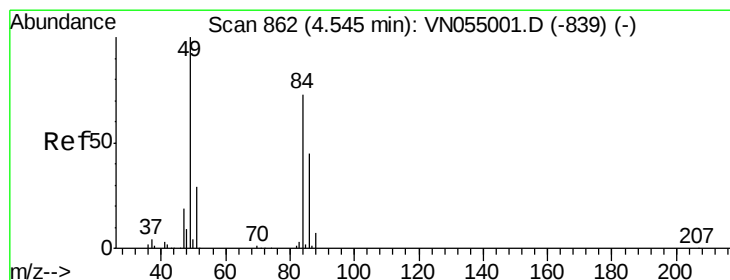
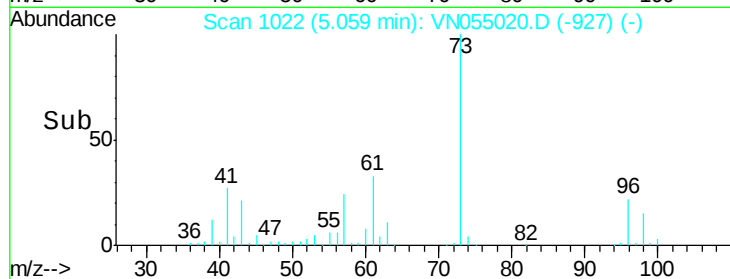
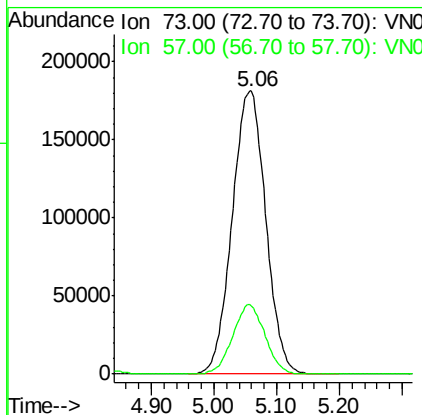
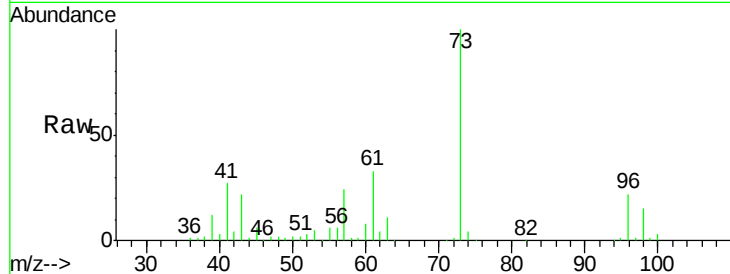
Methvl tert-butvl Ether
 Concen: 48.312 ug/l
 RT: 5.06 min Scan# 1022
 Delta R.T. 0.01 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 673149
 Ion Ratio Lower Upper
 73 100
 57 24.0 19.0 28.4

Manual Integrations
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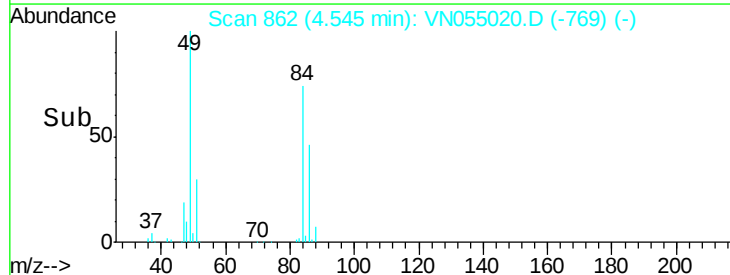
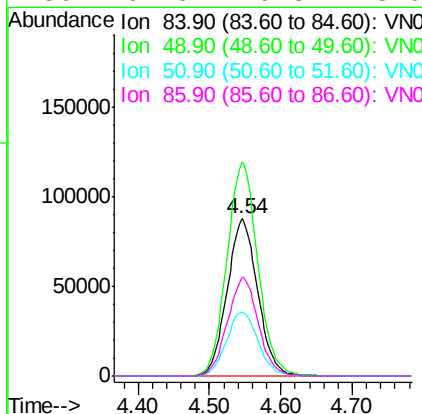
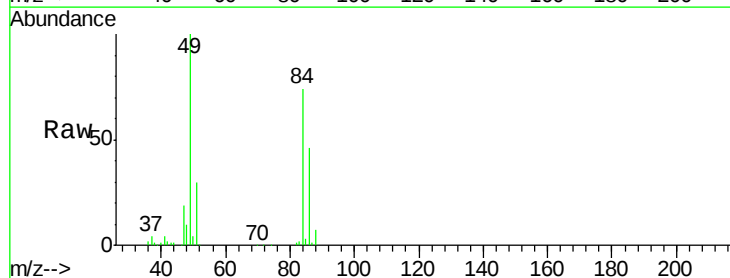
MMDadoda
 4/16/2019 1:58:45 PM

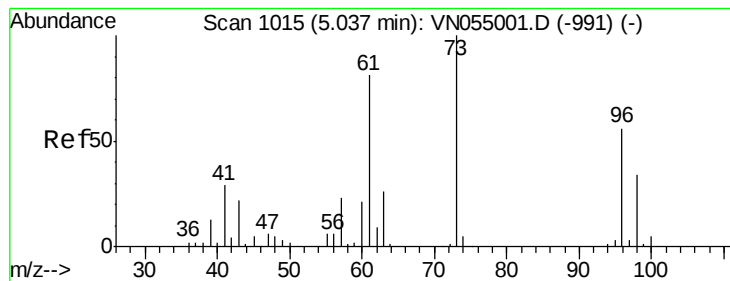


#20

Methylene Chloride
 Concen: 46.175 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion: 84 Resp: 261263
 Ion Ratio Lower Upper
 84 100
 49 135.9 109.4 164.2
 51 40.6 32.2 48.4
 86 62.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 45.537 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 233939

Ion Ratio Lower Upper

96 100

61 151.7 114.9 172.3

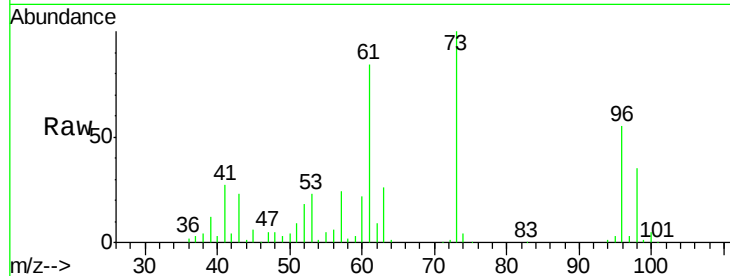
98 63.7 48.4 72.6

Manual Integrations

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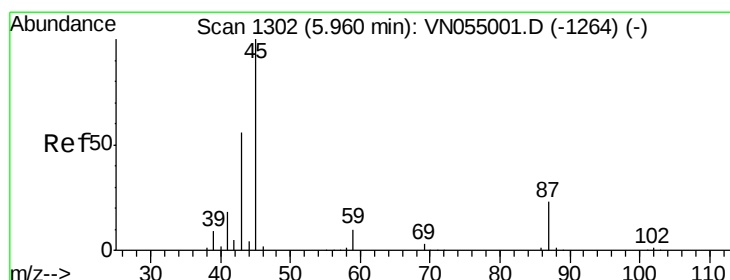
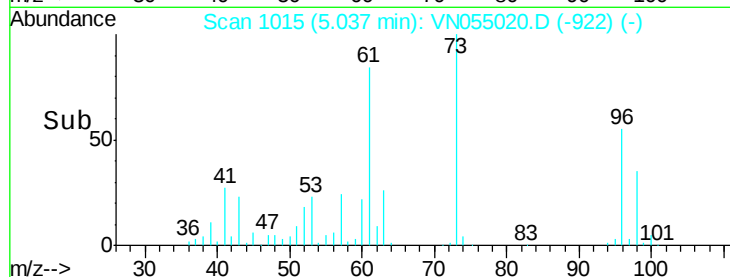
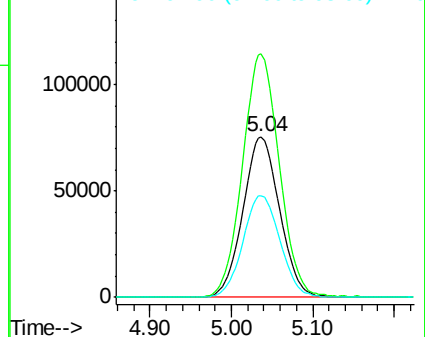


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 47.485 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion: 45 Resp: 917377

Ion Ratio Lower Upper

45 100

43 56.7 44.8 67.2

87 23.3 18.9 28.3

59 10.5 7.9 11.9

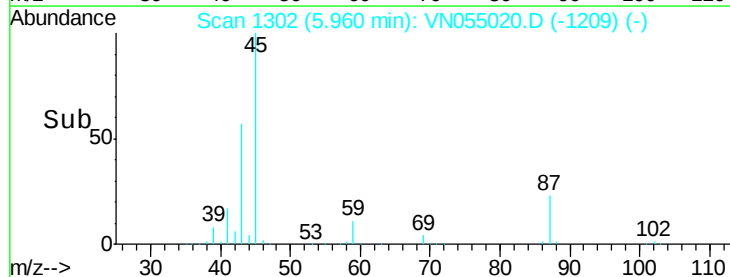
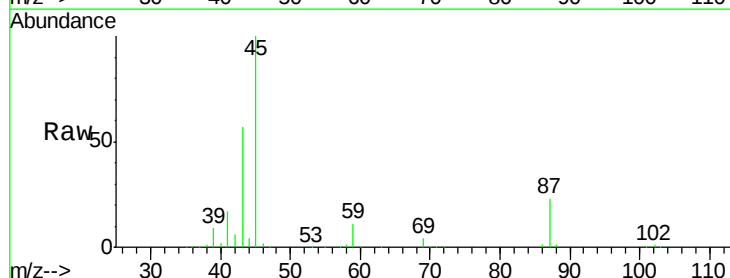
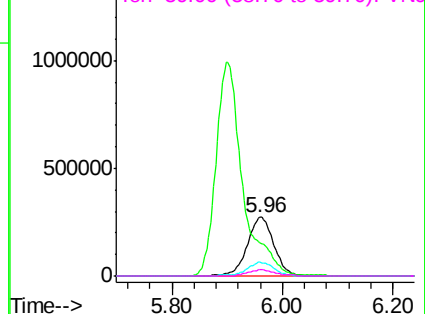
Abundance

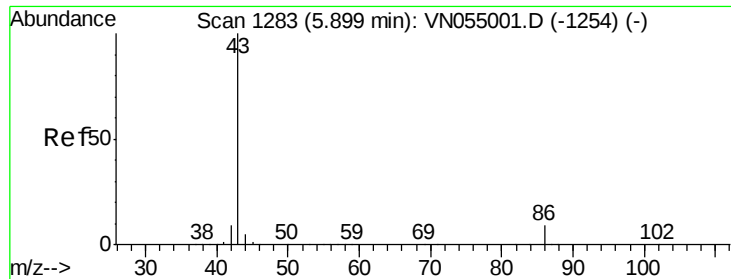
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 246.027 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3324383

Ion Ratio Lower Upper

43 100

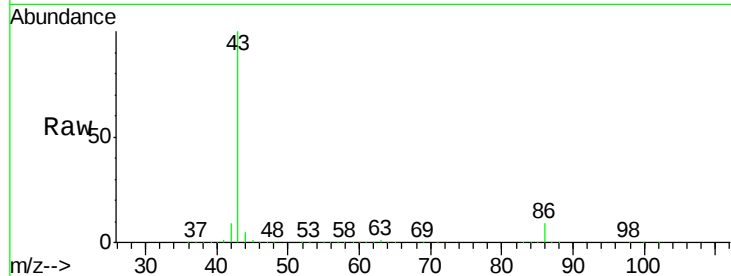
86 8.7 7.0 10.4

Manual Integrations

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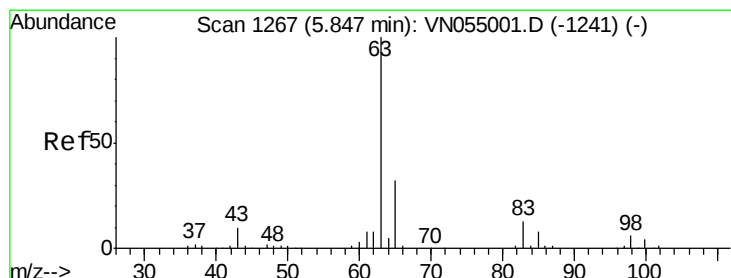
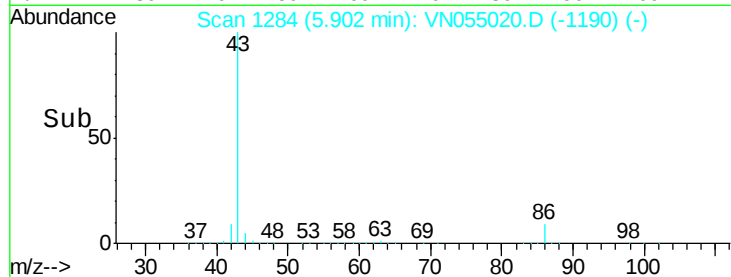
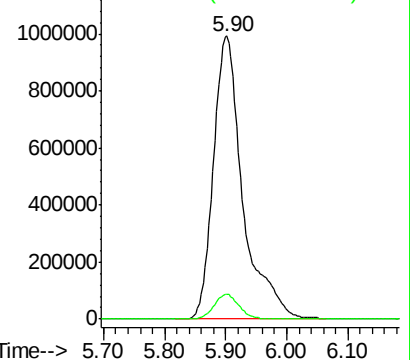
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.411 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

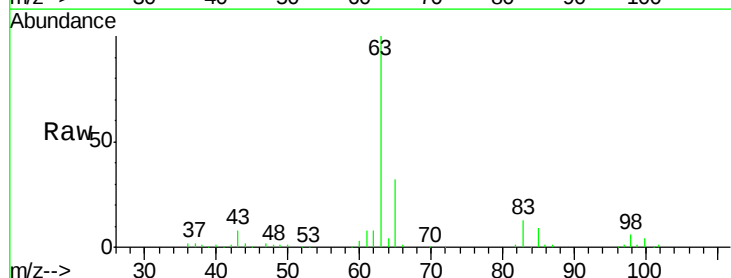
Tgt Ion: 63 Resp: 473826

Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.4

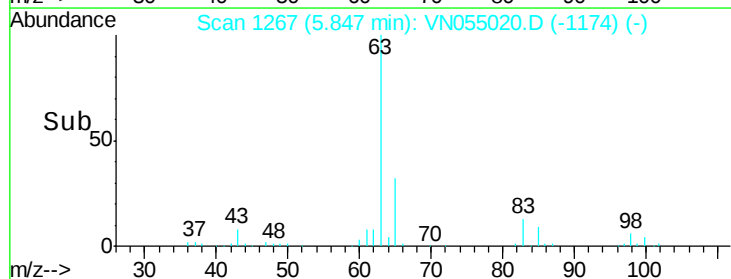
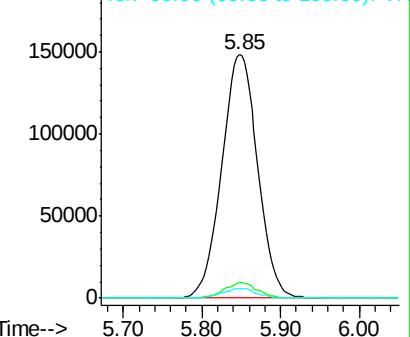
100 3.9 2.0 5.8

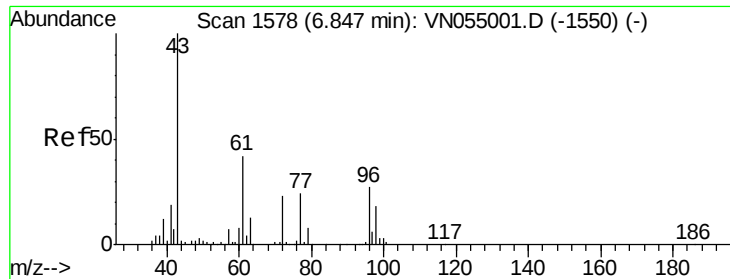


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 240.047 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 642871

Ion Ratio Lower Upper

43 100

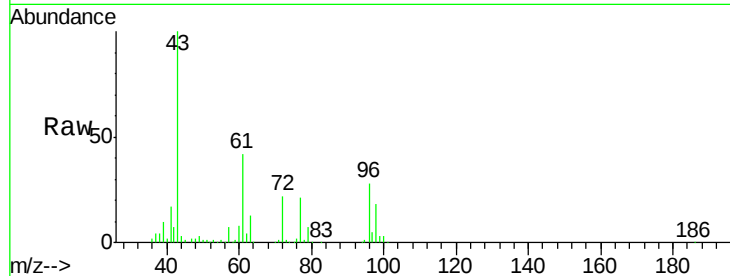
72 22.0 18.1 27.1

Manual Integrations

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4/16/2019 1:58:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

200000

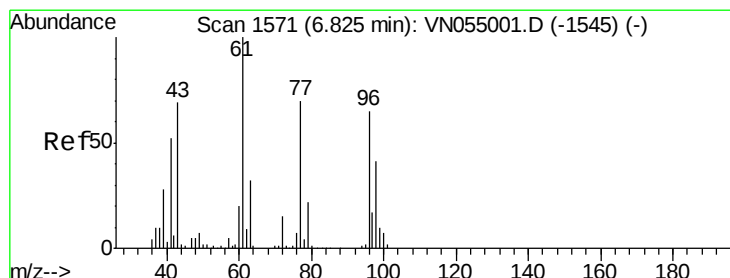
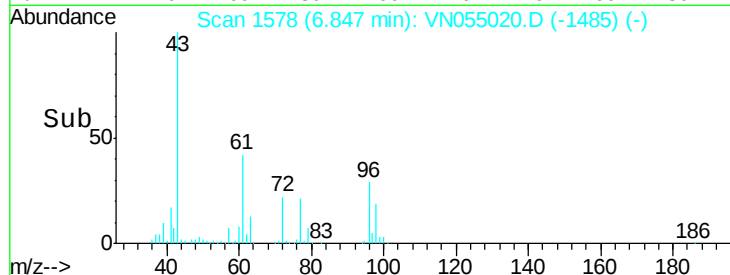
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 37.917 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055020.D

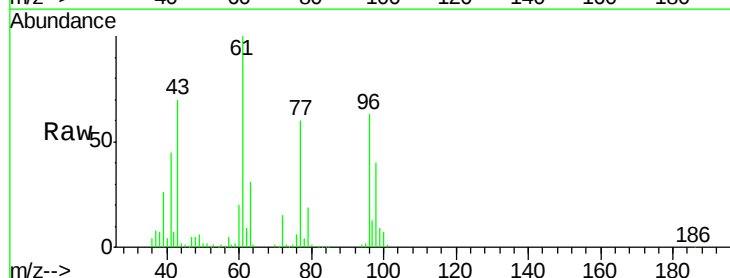
Acq: 13 Apr 2019 00:38

Tgt Ion: 77 Resp: 261740

Ion Ratio Lower Upper

77 100

97 24.1 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

100000

80000

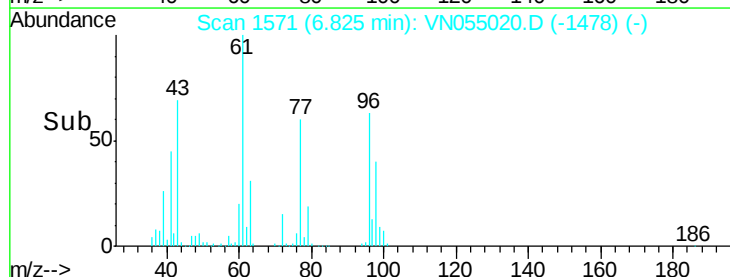
60000

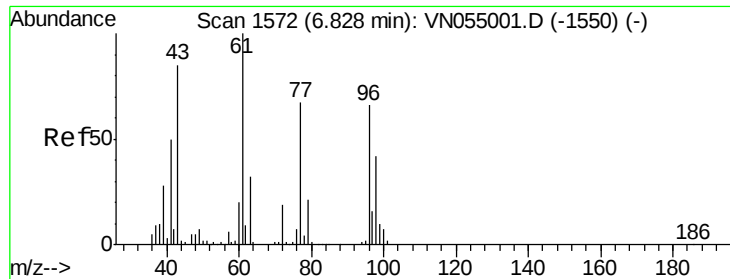
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 44.942 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

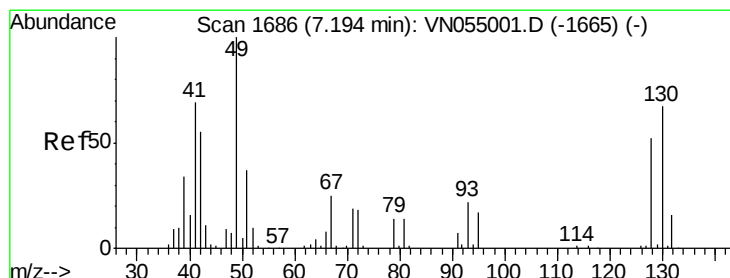
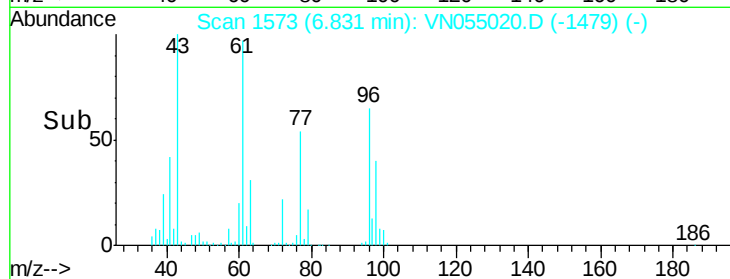
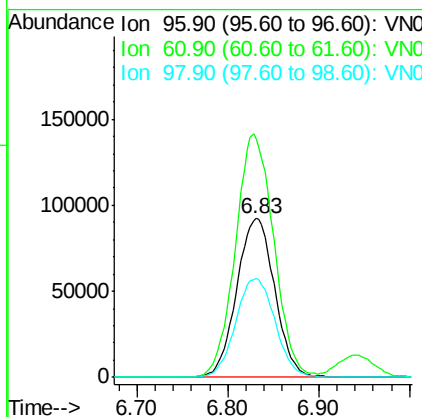
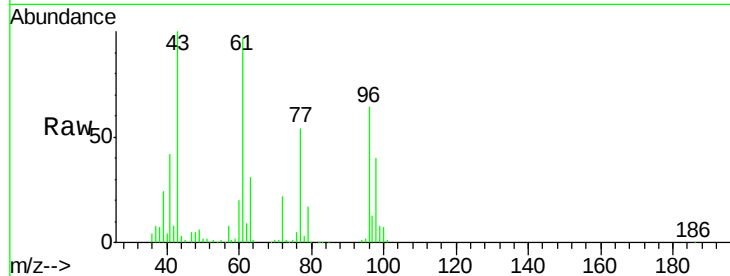
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	268214
Ion	Ratio	Lower	Upper
96	100		
61	154.2	0.0	311.0
98	64.4	0.0	127.4

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4/16/2019 1:58:45 PM



#28

Bromochloromethane

Concen: 45.442 ug/l

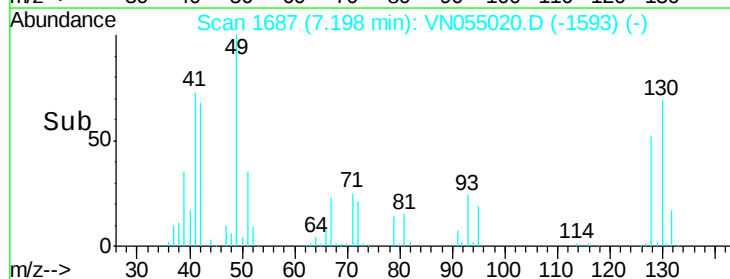
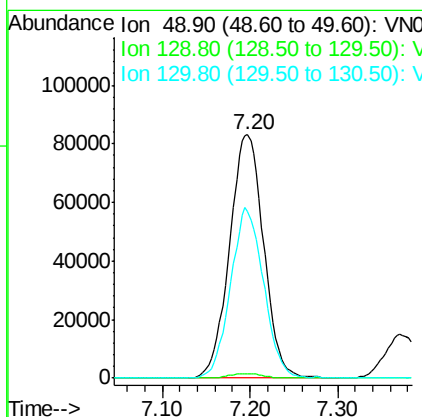
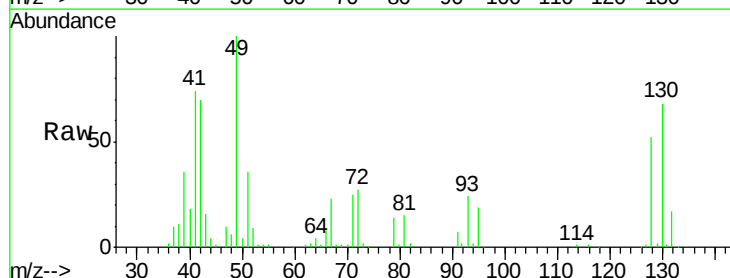
RT: 7.20 min Scan# 1687

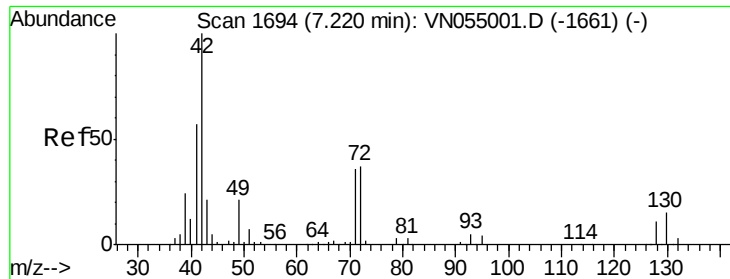
Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion:	49	Resp:	224961
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.0
130	67.5	53.4	80.2





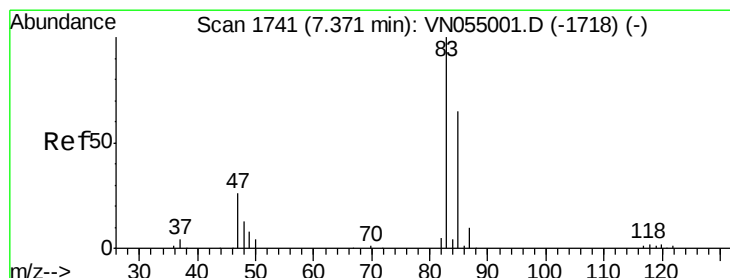
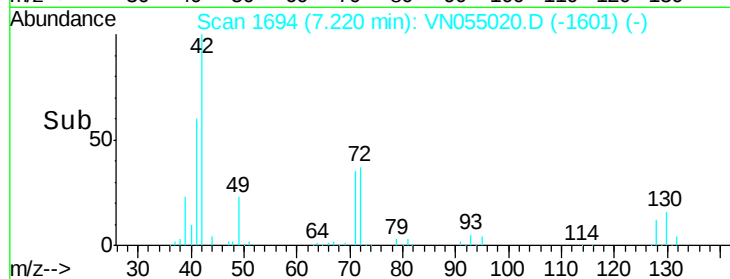
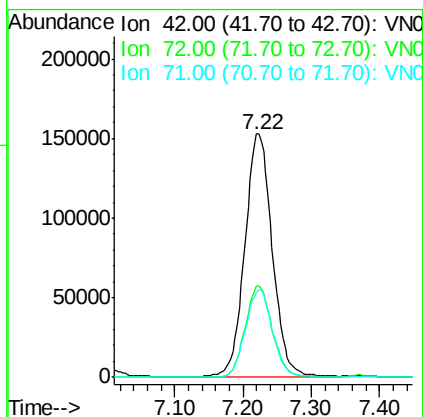
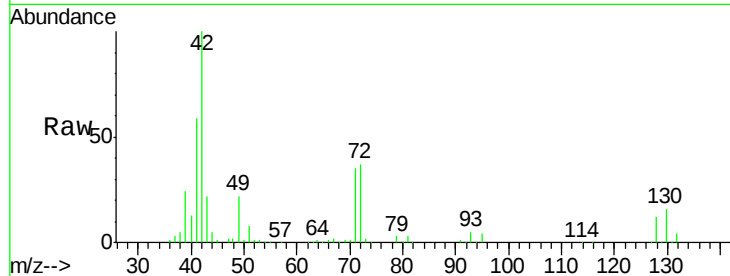
#29
Tetrahydrofuran
Concen: 244.098 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	29.4	44.0
71	35.5	27.8	41.6

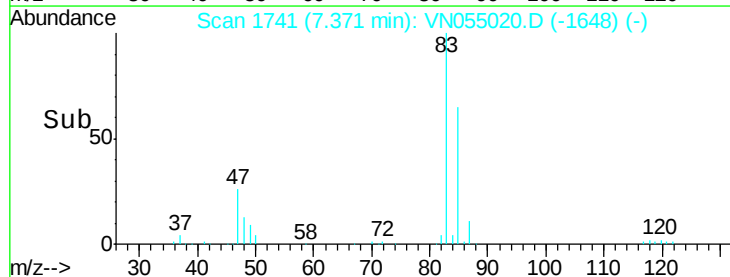
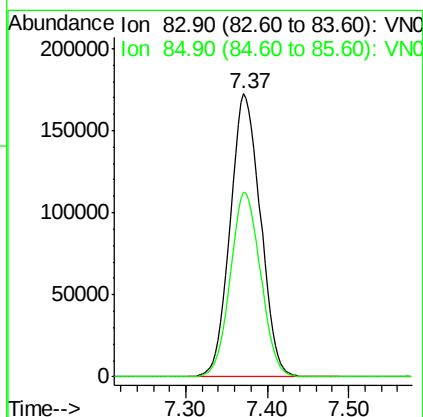
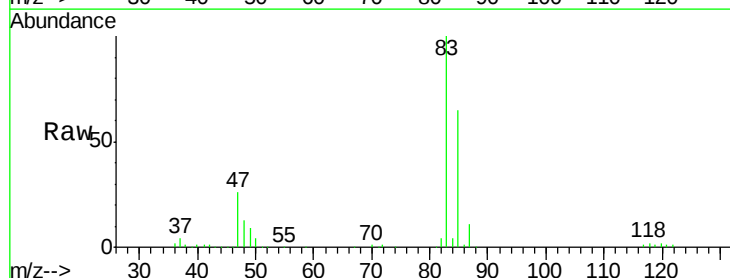
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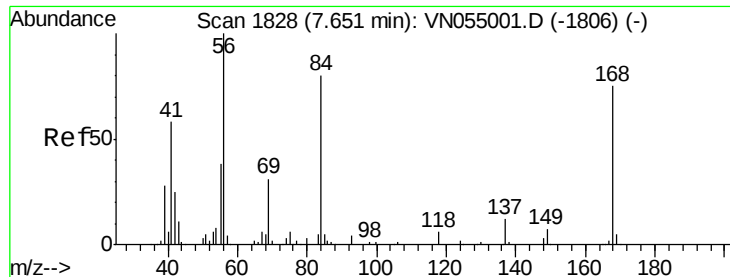
MMDadoda
4/16/2019 1:58:45 PM



#30
Chloroform
Concen: 44.866 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.6





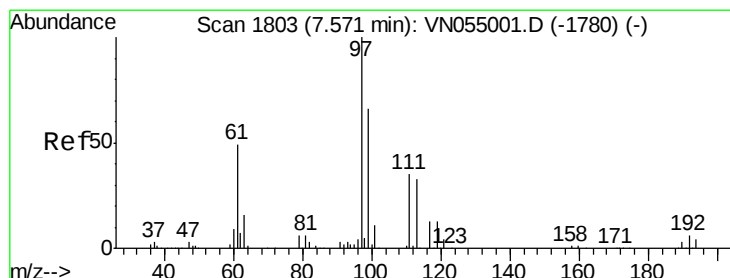
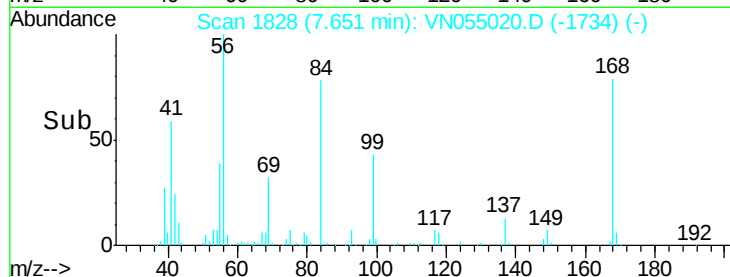
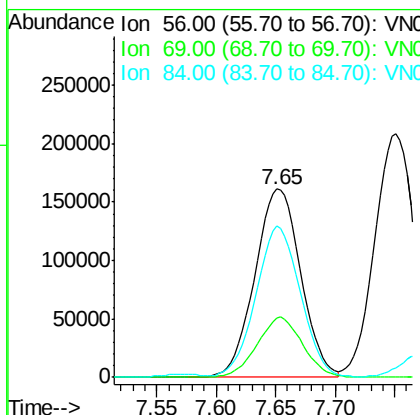
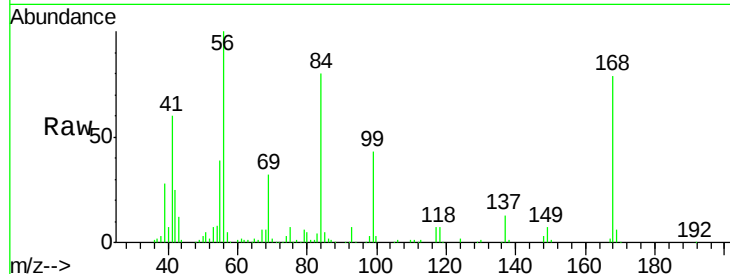
#31
Cyclohexane
Concen: 44.447 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.5	36.7
84	78.6	62.9	94.3

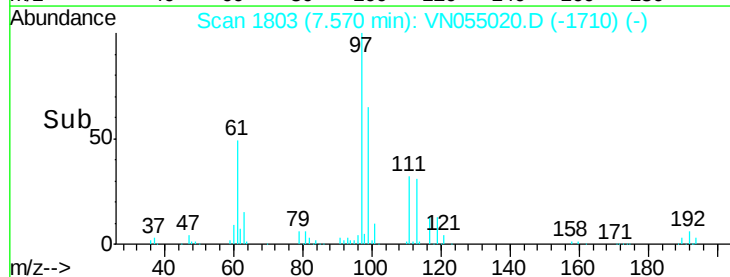
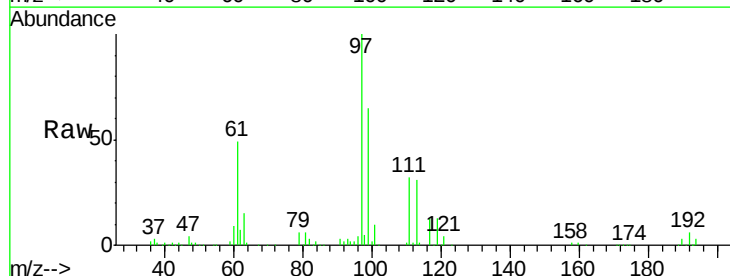
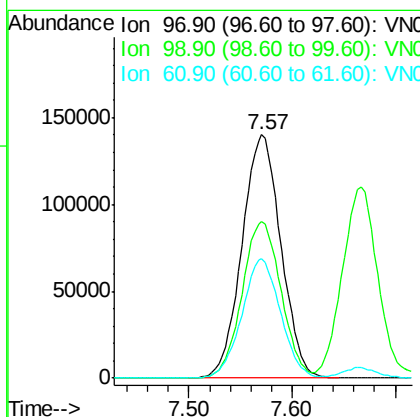
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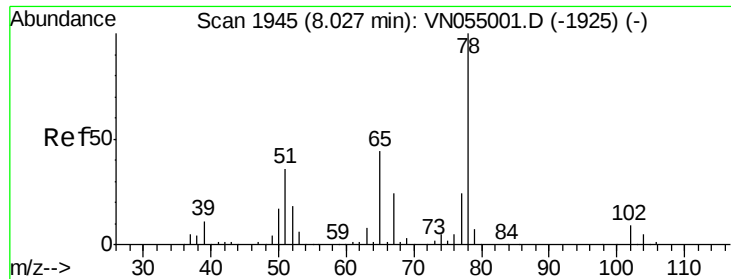
MMDadoda
4/16/2019 1:58:45 PM



#32
1,1,1-Trichloroethane
Concen: 46.385 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	48.5	38.3	57.5





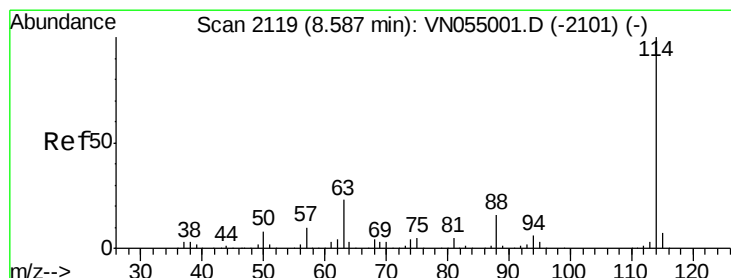
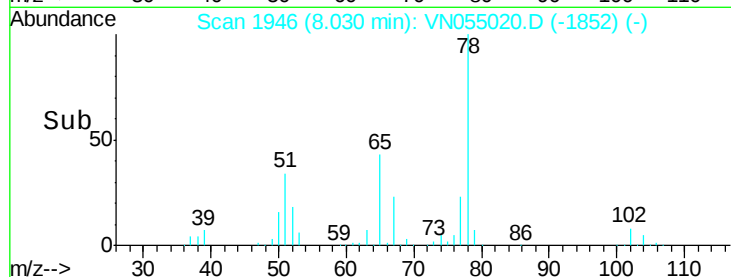
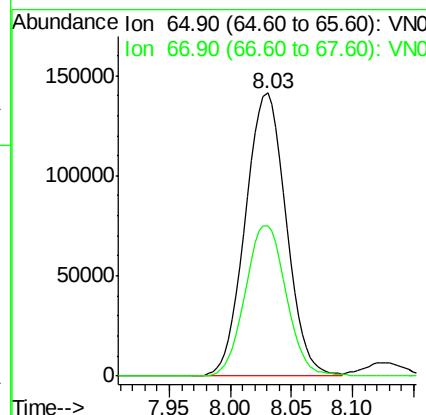
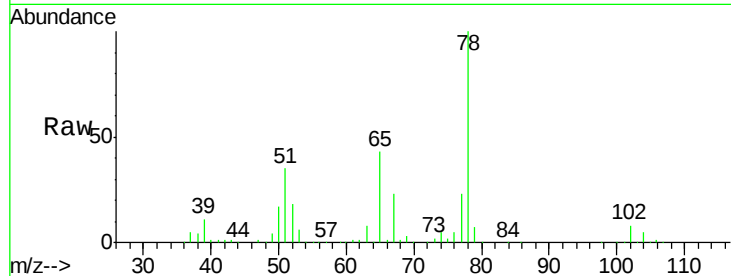
#33
 1,2-Dichloroethane-d4
 Concen: 51.781 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	106.4	

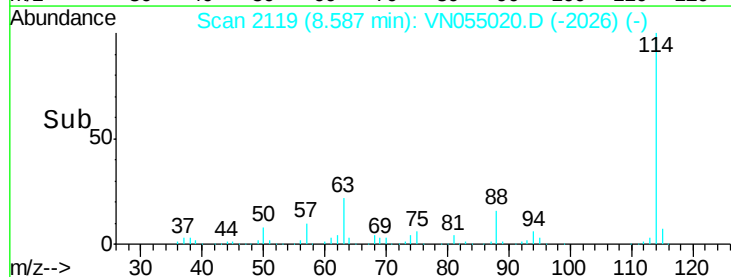
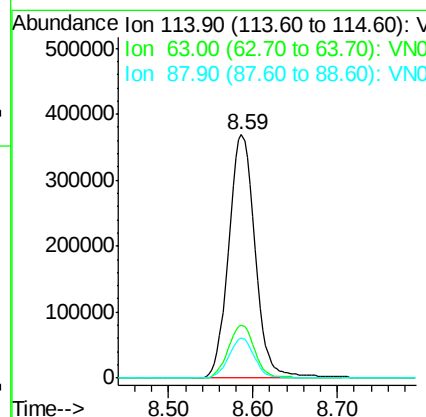
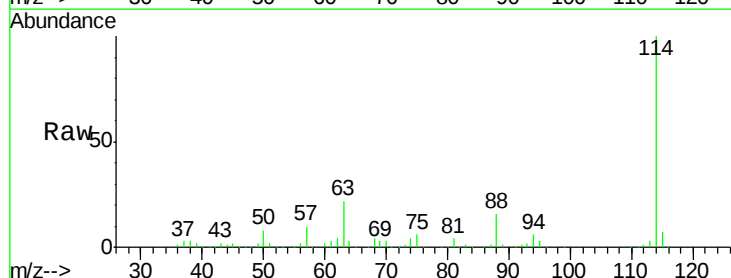
Manual Integrations
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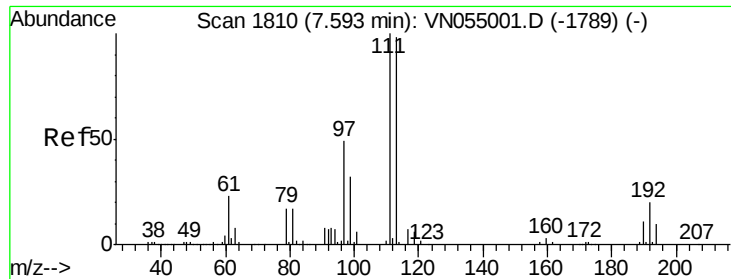
MMDadoda
 4/16/2019 1:58:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	45.2	
88	16.4	0.0	31.8	





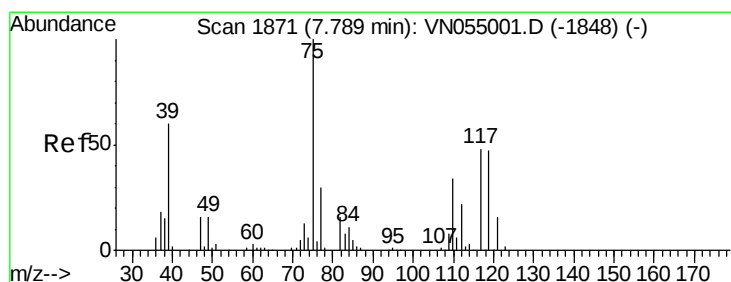
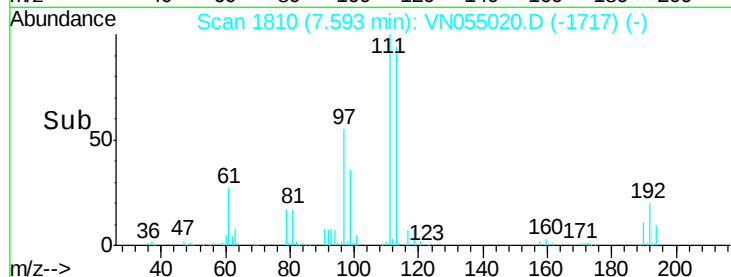
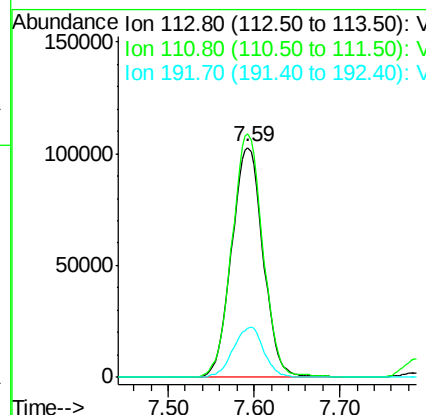
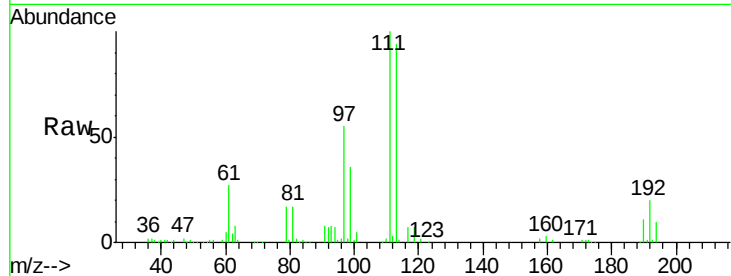
#35
 Dibromofluoromethane
 Concen: 50.743 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	261245		
111	104.2	82.1	123.1	
192	21.1	16.5	24.7	

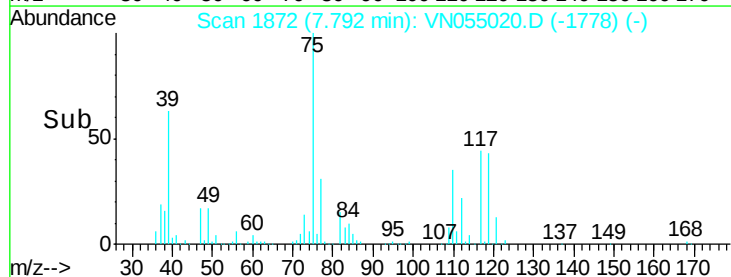
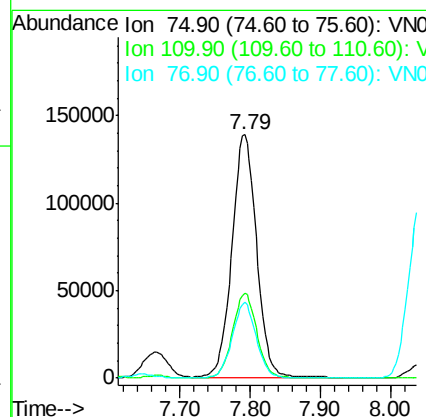
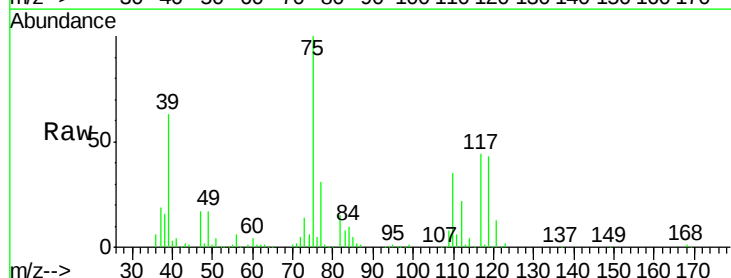
Manual Integrations
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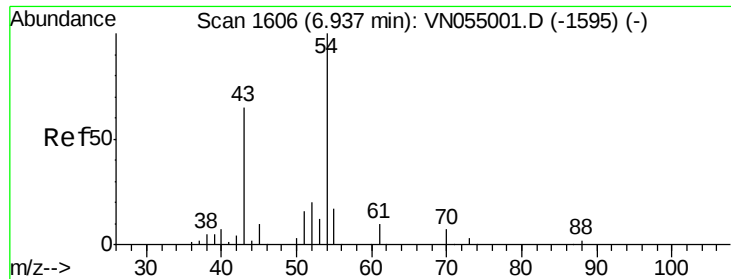
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 45.766 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	341600		
110	34.2	17.5	52.5	
77	30.4	24.9	37.3	





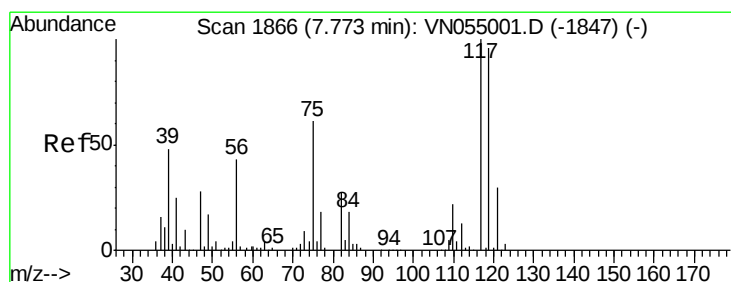
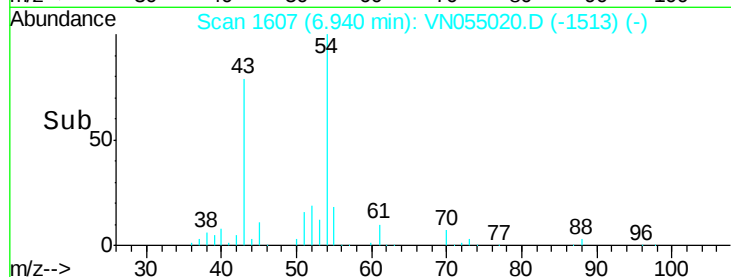
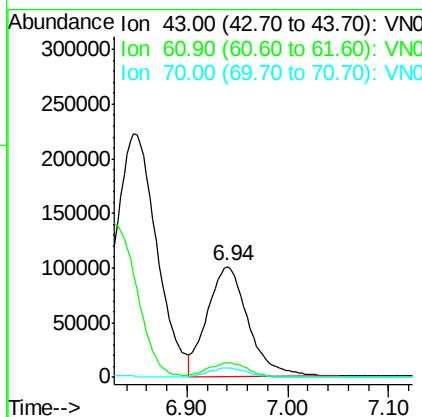
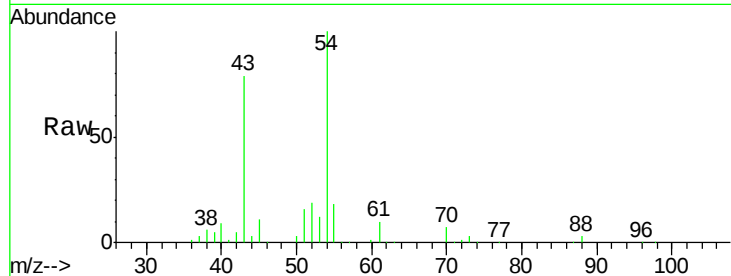
#37
Ethyl Acetate
Concen: 50.407 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.0	15.0
70	8.5	7.1	10.7

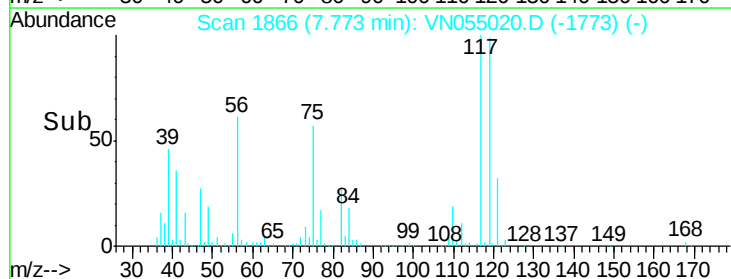
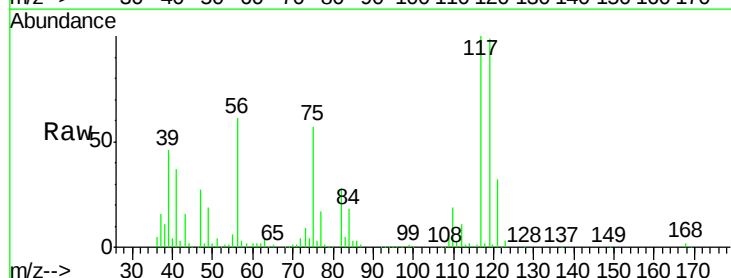
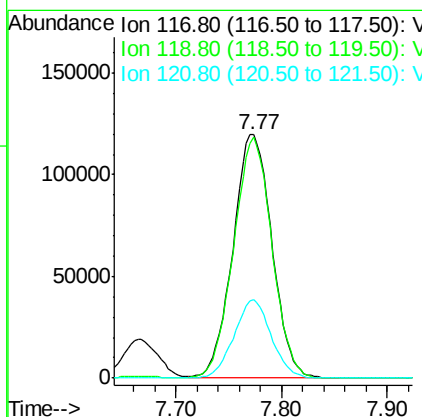
Manual Integrations
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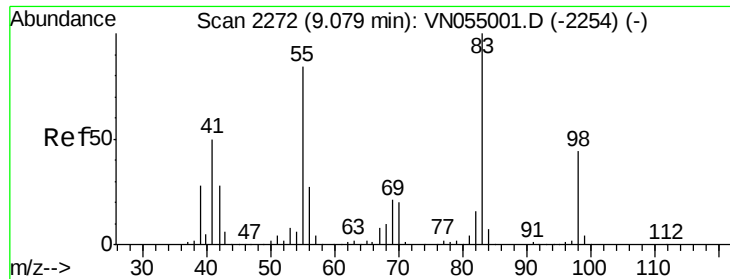
MMDadoda
4/16/2019 1:58:45 PM



#38
Carbon Tetrachloride
Concen: 43.662 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	76.3	114.5
121	32.1	23.9	35.9





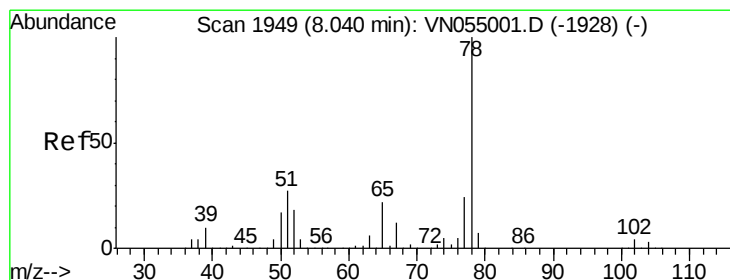
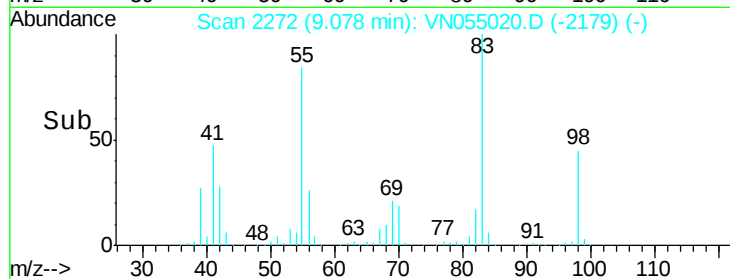
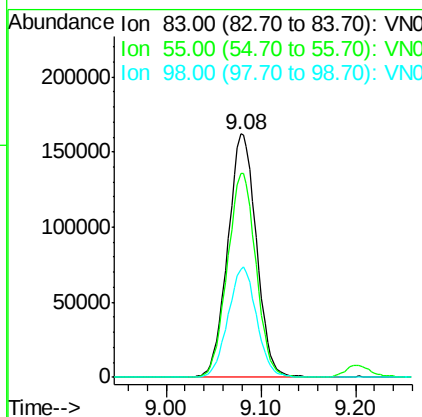
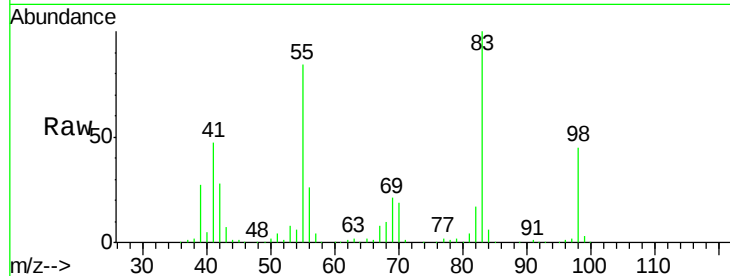
#39
Methvlcvclohexane
Concen: 39.831 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	340358
Ion Ratio	Lower	Upper	
83	100		
55	83.7	67.0	100.4
98	44.6	35.6	53.4

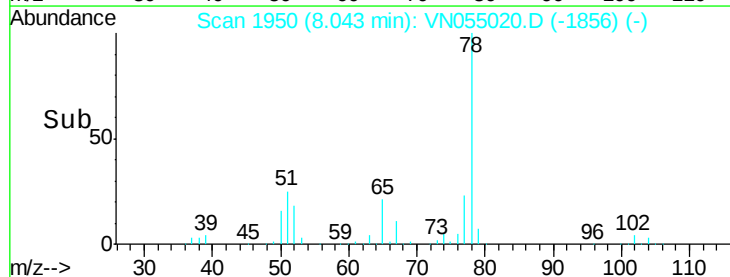
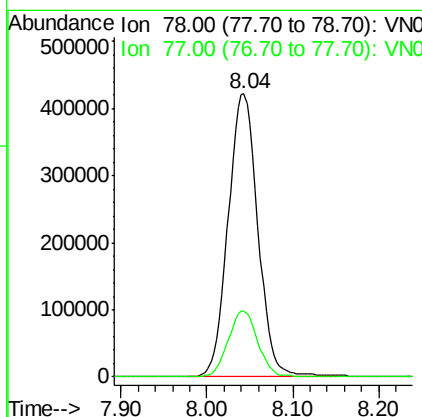
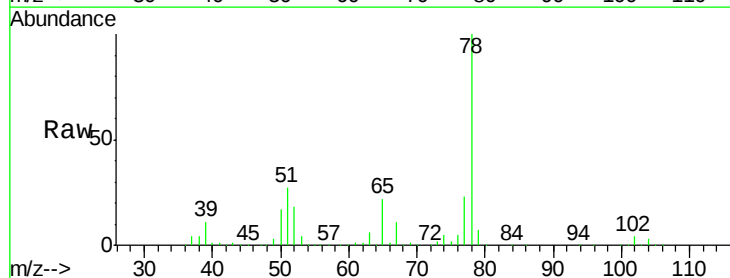
Manual Integrations
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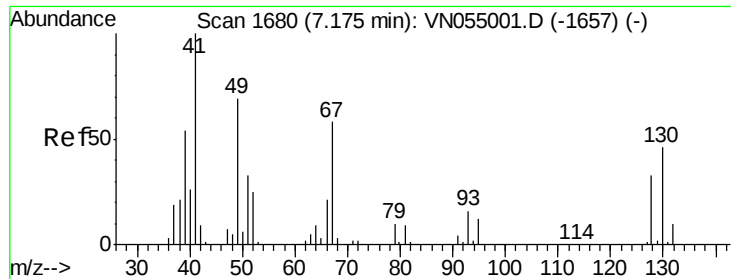
MMDadoda
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#40
Benzene
Concen: 45.056 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion	78	Resp	1016737
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.8	28.2





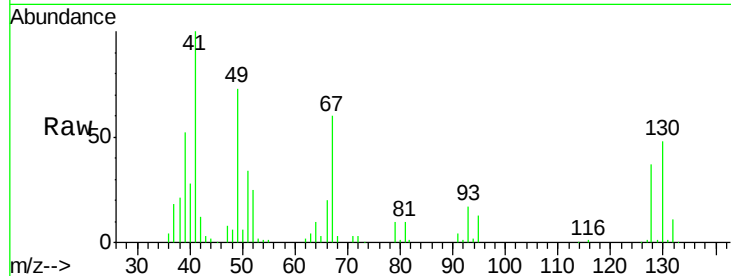
#41
Methacrylonitrile
Concen: 48.124 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

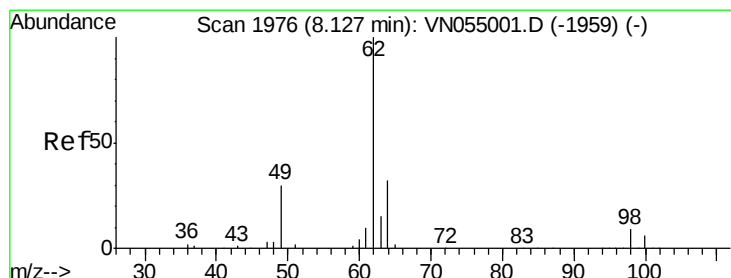
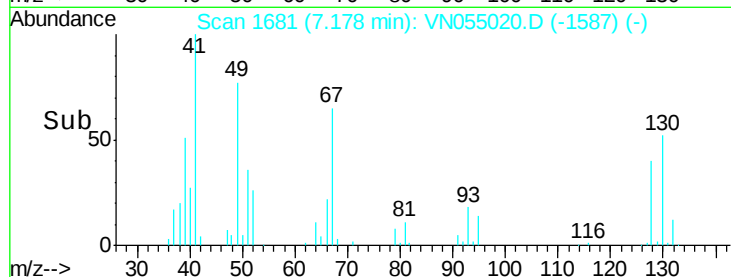
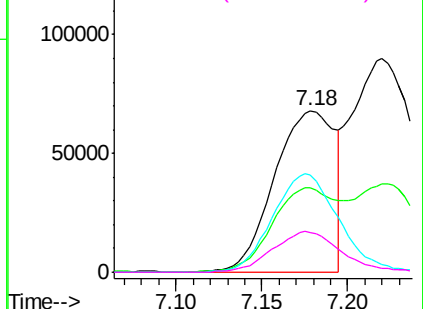
Tot Ion	41	Resp	165925
Ion Ratio	Lower	Upper	
41	100		
39	56.1	45.6	68.4
67	67.4	57.0	85.6
52	27.8	23.6	35.4

Manual Integrations
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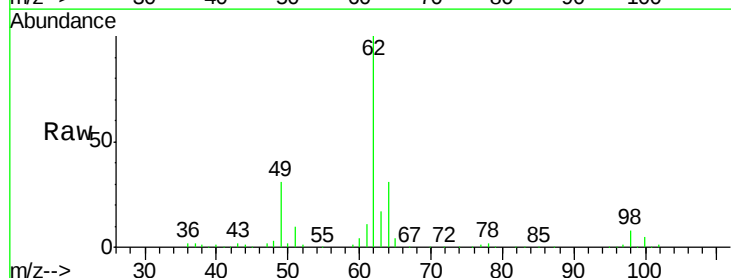


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

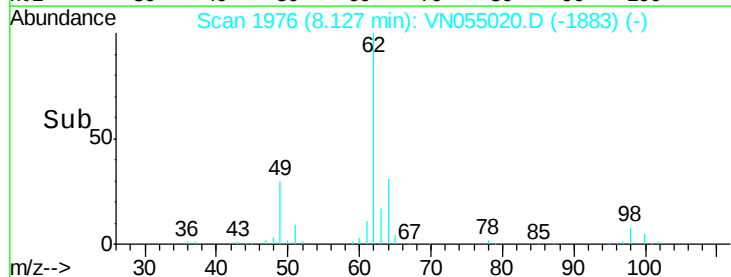
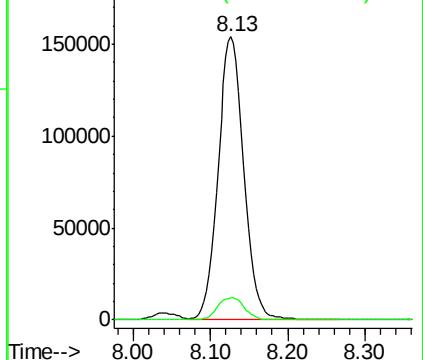


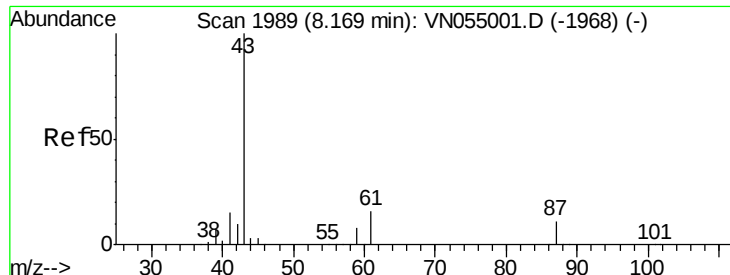
#42
1,2-Dichloroethane
Concen: 44.855 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion	62	Resp	356080
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 50.117 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

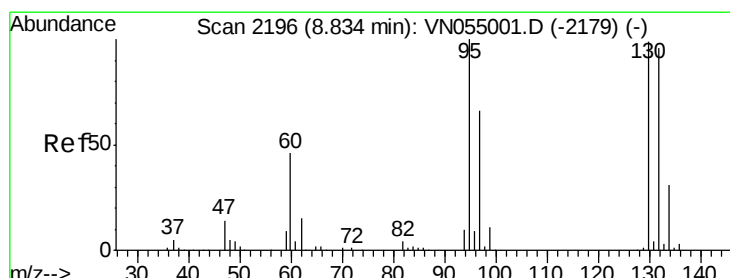
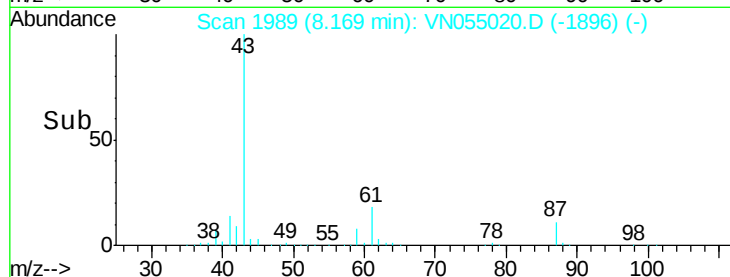
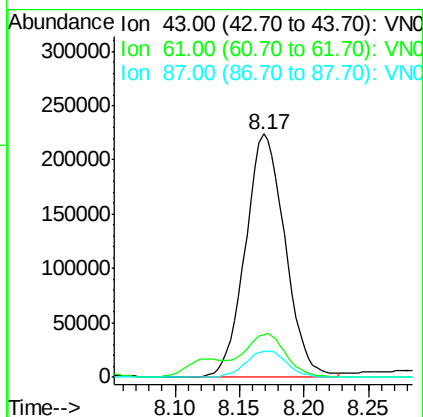
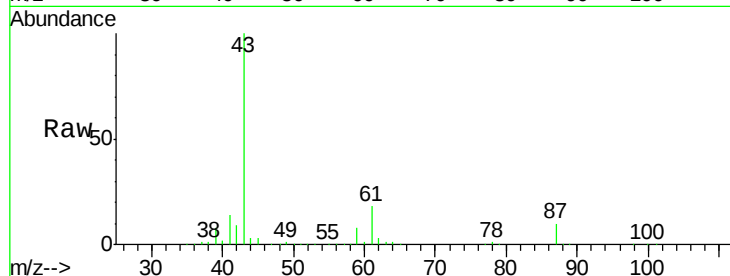
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	480181
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.3	21.5
87	11.2	8.6	13.0

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#44

Trichloroethene

Concen: 44.586 ug/l

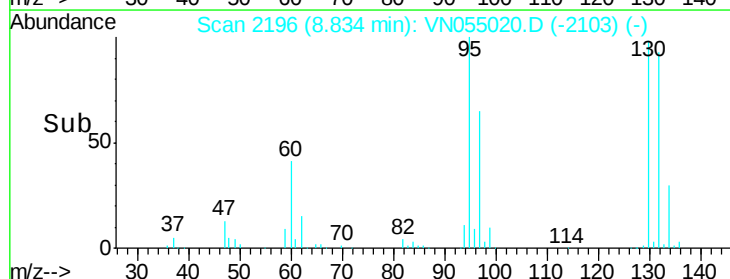
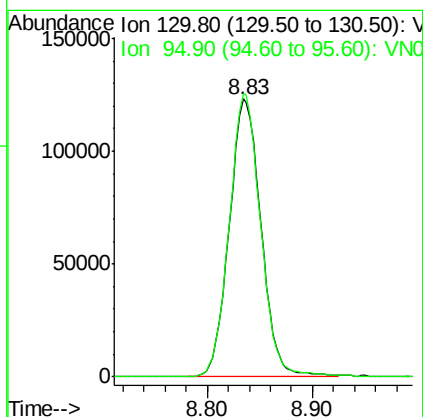
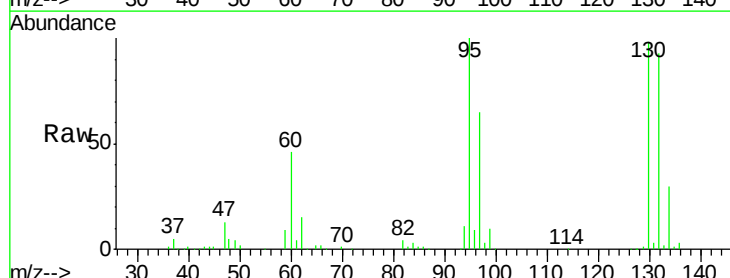
RT: 8.83 min Scan# 2196

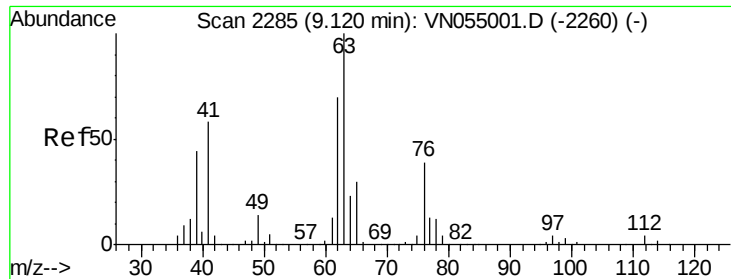
Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion:	130	Resp:	257129
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	201.6





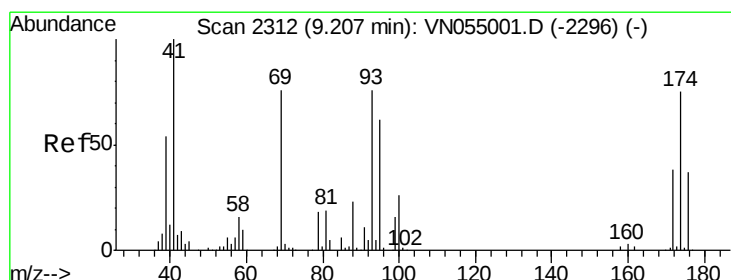
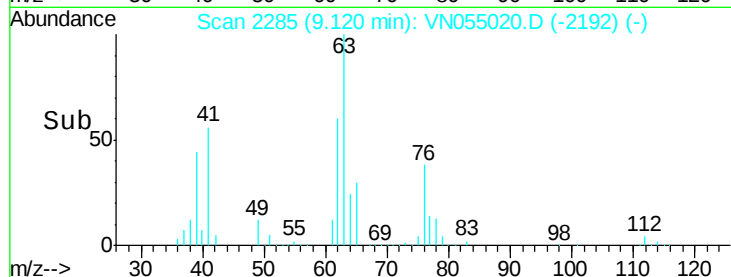
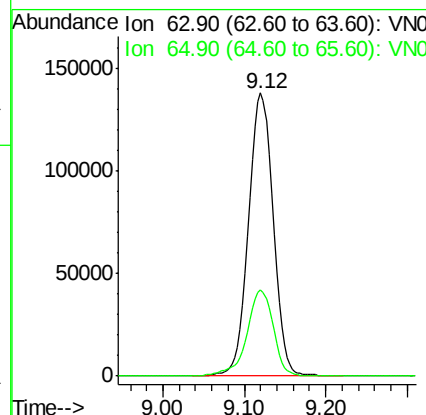
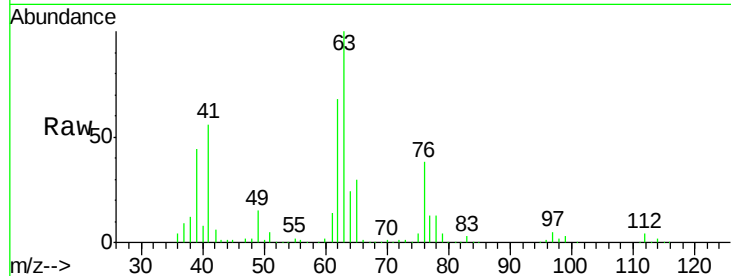
#45
 1,2-Dichloropropane
 Concen: 45.103 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 287225
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.4 36.6

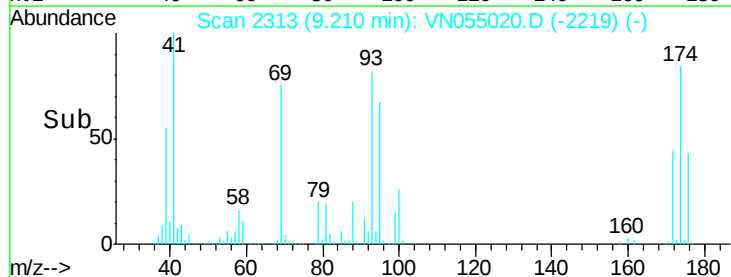
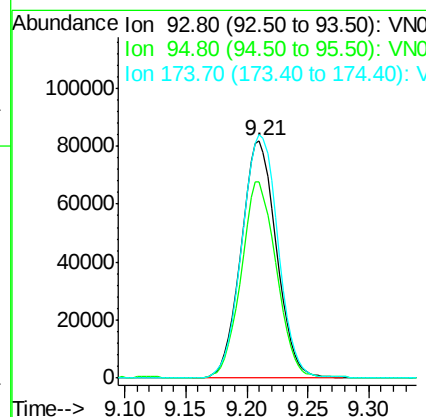
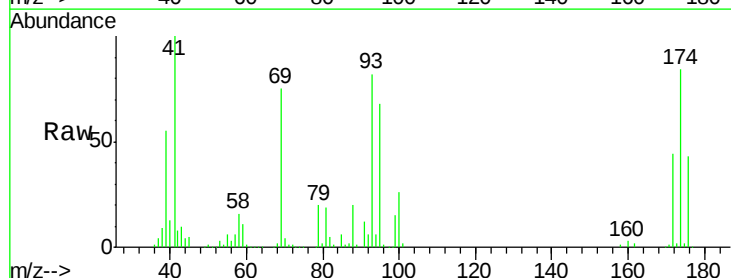
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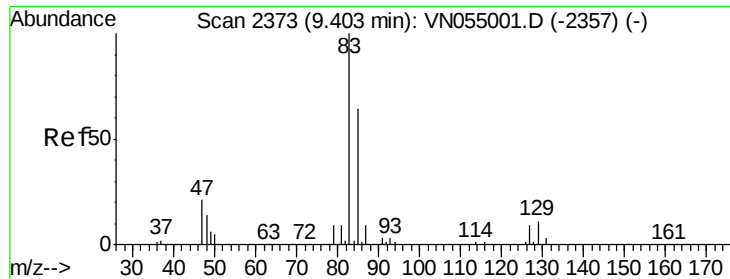
MMDadoda
 4/16/2019 1:58:45 PM



#46
 Dibromomethane
 Concen: 44.968 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion: 93 Resp: 164086
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.0 97.6
 174 105.1 81.0 121.6





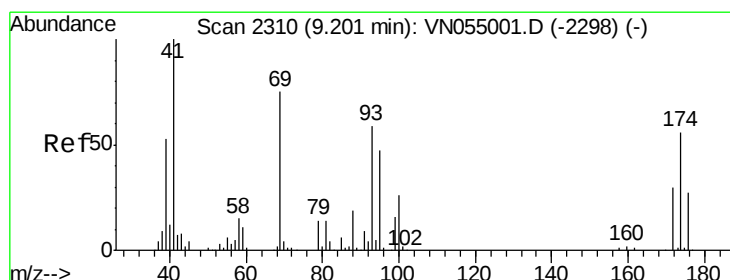
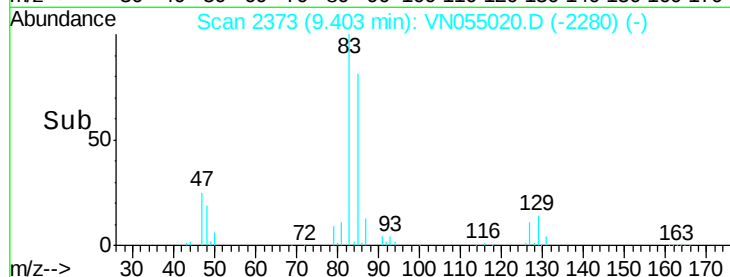
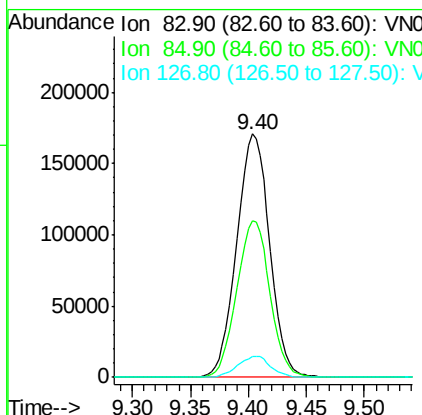
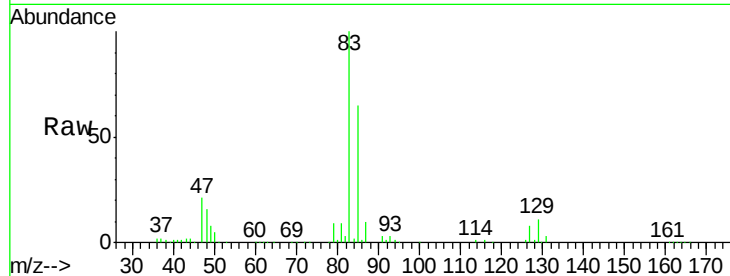
#47
Bromodichloromethane
Concen: 45.474 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	337431
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	51.2	76.8
127	8.4	6.8	10.2

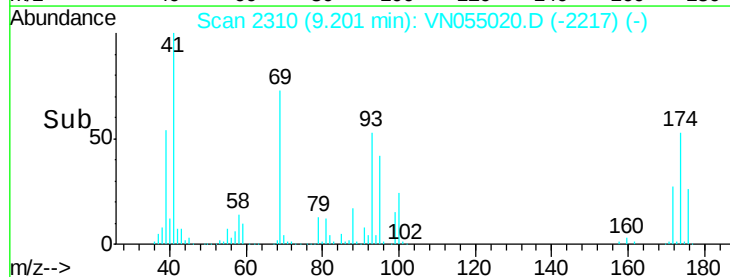
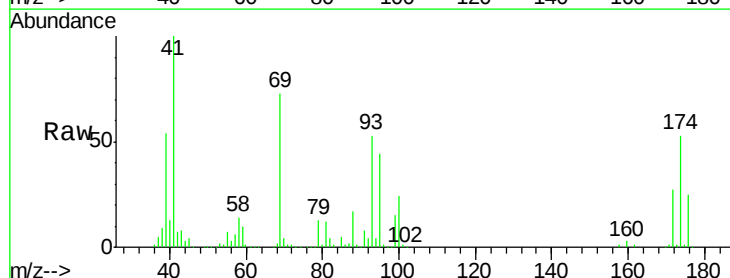
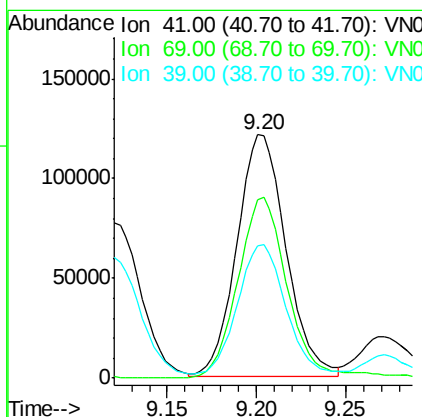
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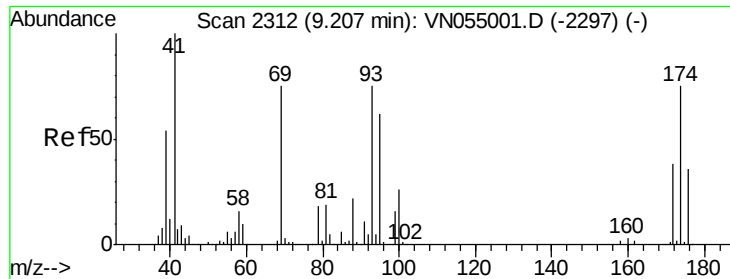
MMDadoda
4/16/2019 1:58:45 PM



#48
Methyl methacrylate
Concen: 46.963 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion	41	Resp	231799
Ion Ratio	100	Lower	Upper
41	100		
69	75.5	60.5	90.7
39	55.1	43.9	65.9





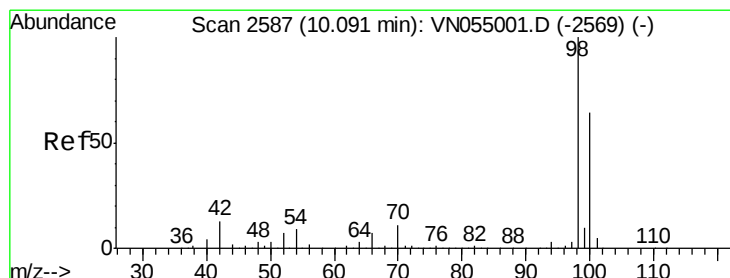
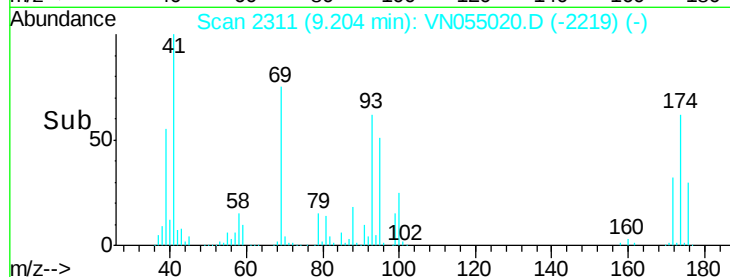
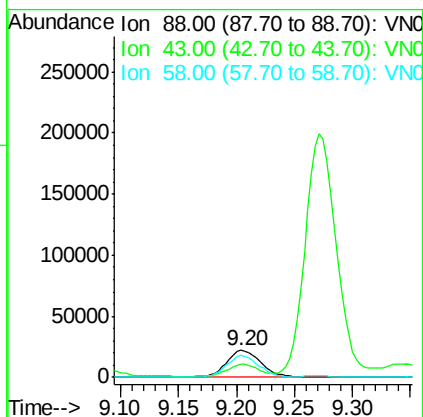
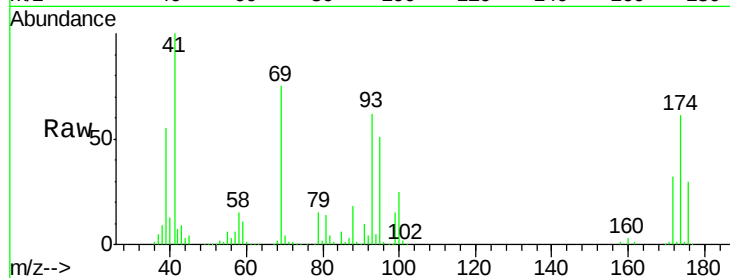
#49
 1,4-Dioxane
 Concen: 868.610 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	46107
Ion Ratio	Lower	Upper	
88	100		
43	41.4	31.8	47.8
58	75.5	61.6	92.4

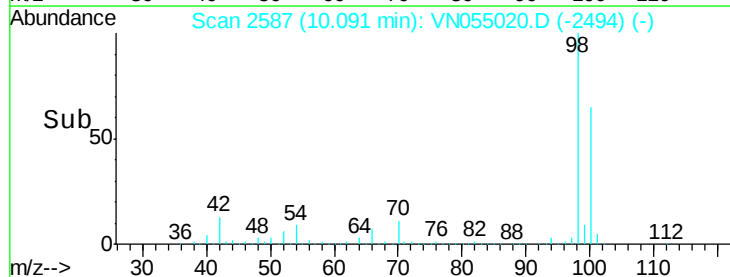
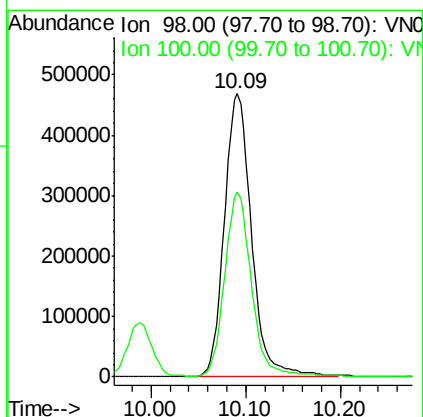
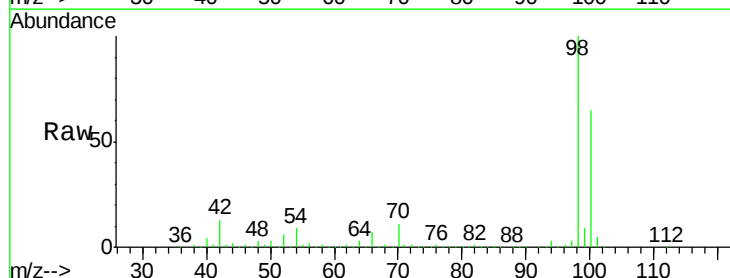
Manual Integrations
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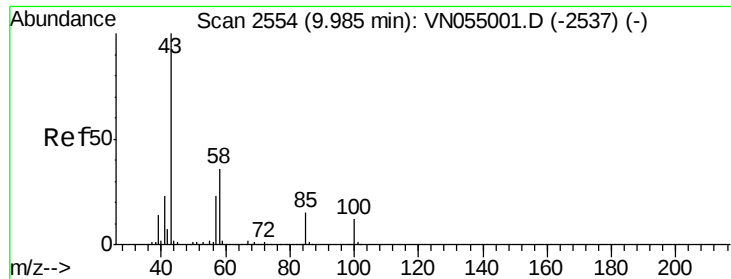
MMDadoda
 4/16/2019 1:58:45 PM



#50
 Toluene-d8
 Concen: 49.559 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion	98	Resp	937118
Ion Ratio	Lower	Upper	
98	100		
100	64.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 250.326 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1404349

Ion Ratio Lower Upper

43 100

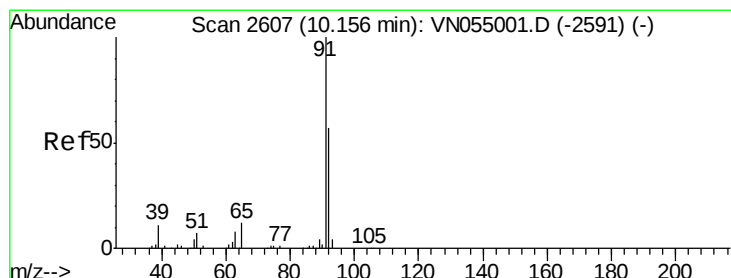
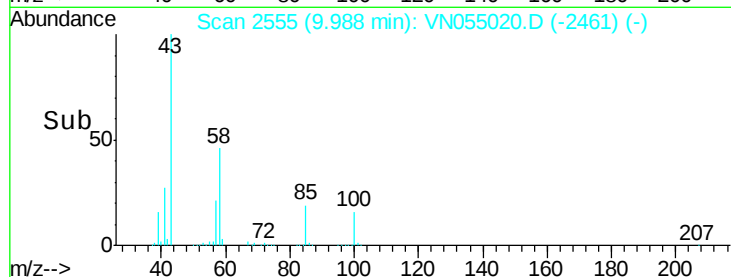
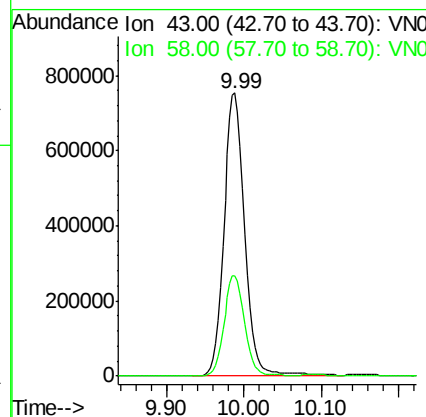
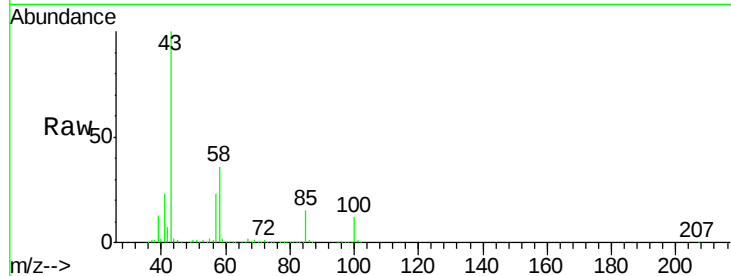
58 35.5 29.0 43.4

Manual Integrations

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#52

Toluene

Concen: 44.576 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055020.D

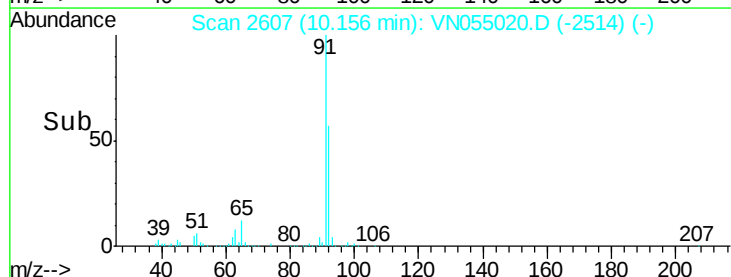
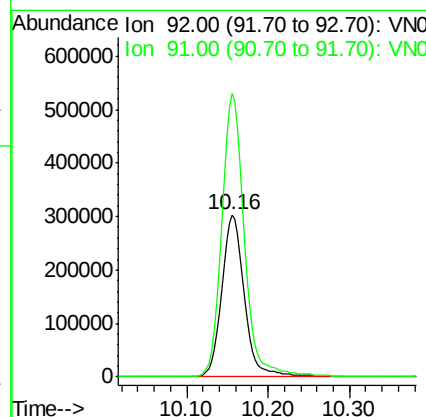
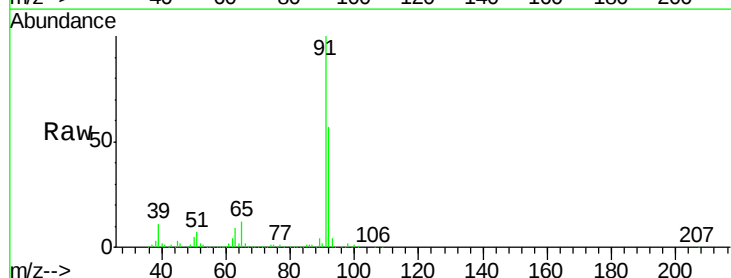
Acq: 13 Apr 2019 00:38

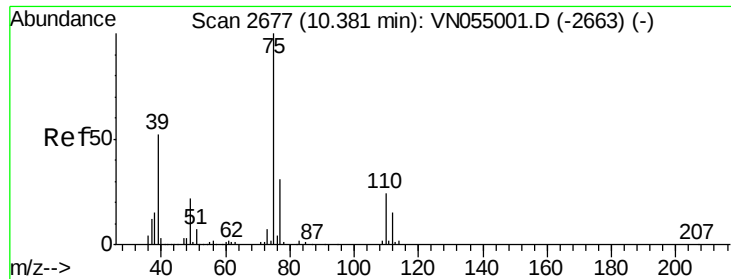
Tgt Ion: 92 Resp: 594907

Ion Ratio Lower Upper

92 100

91 175.5 140.8 211.2





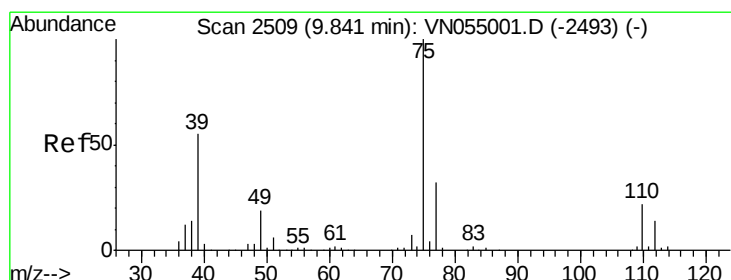
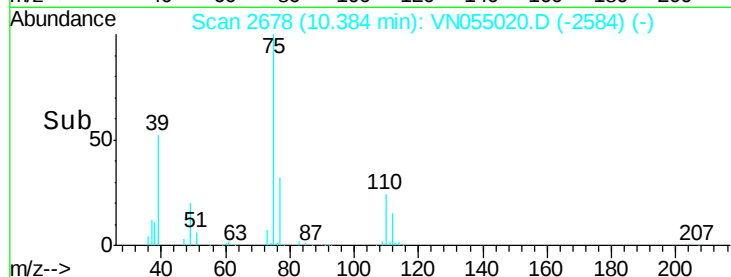
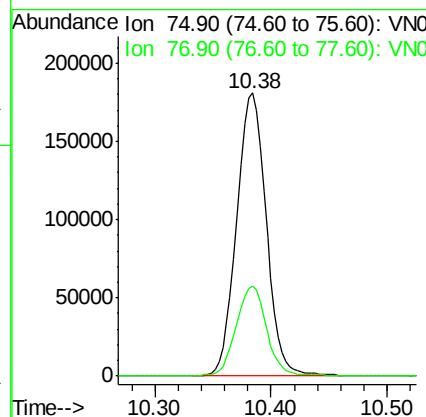
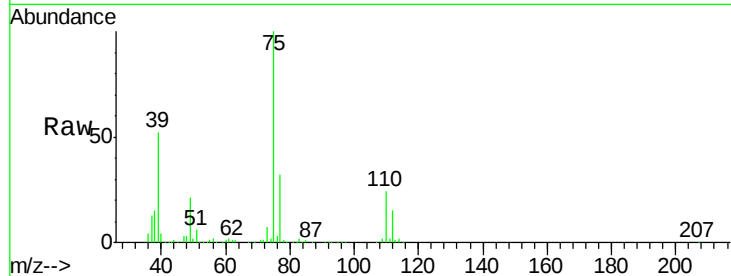
#53
 t-1,3-Dichloropropene
 Concen: 47.655 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 320199
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 37.0

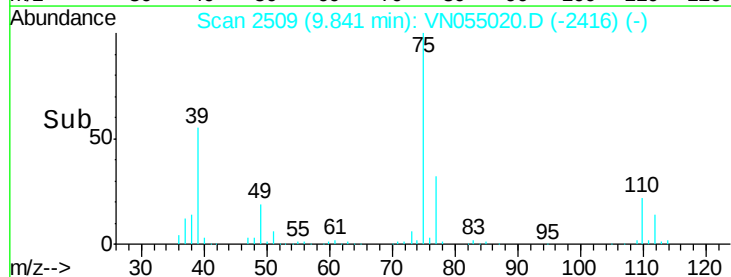
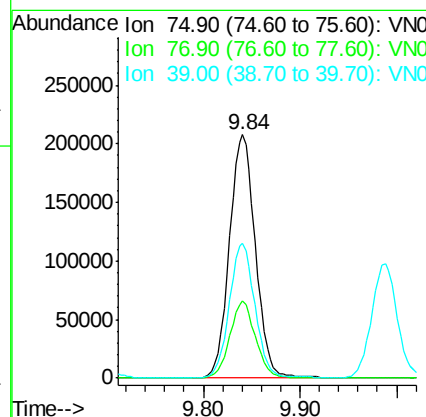
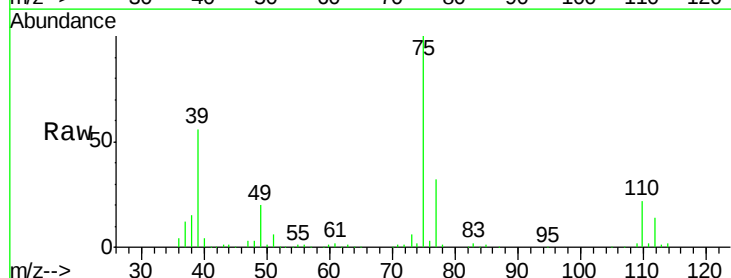
Manual Integrations
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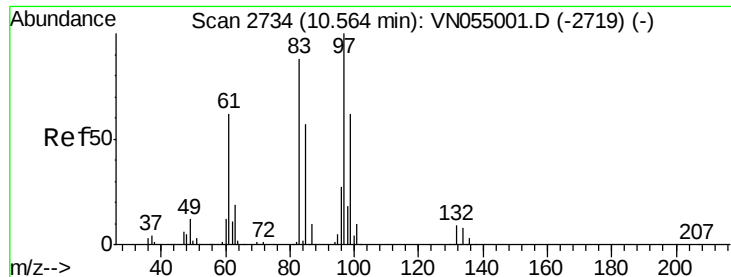
MMDadoda
 4/16/2019 1:58:45 PM



#54
 cis-1,3-Dichloropropene
 Concen: 46.884 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion: 75 Resp: 388050
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.6
 39 55.3 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 46.270 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

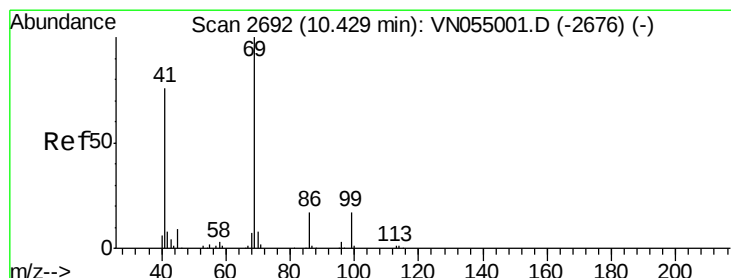
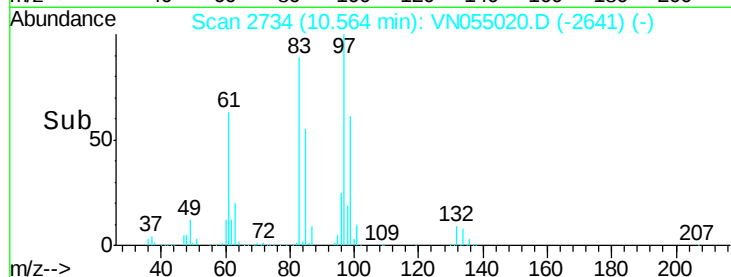
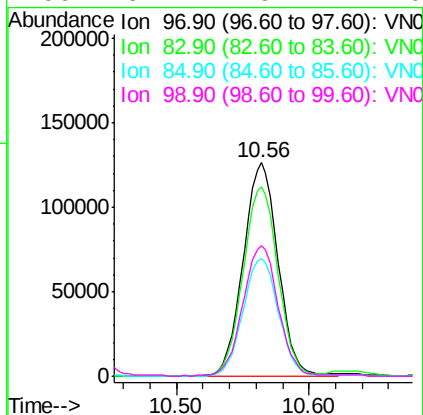
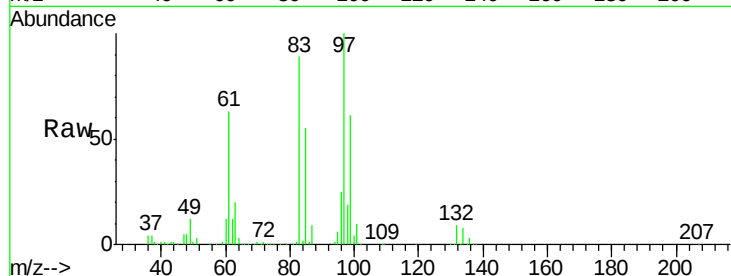
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	230034
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.5	105.7
85	55.4	45.5	68.3
99	61.1	49.4	74.0

Manual Integrations
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4/16/2019 1:58:45 PM



#56

Ethyl methacrylate

Concen: 49.844 ug/l

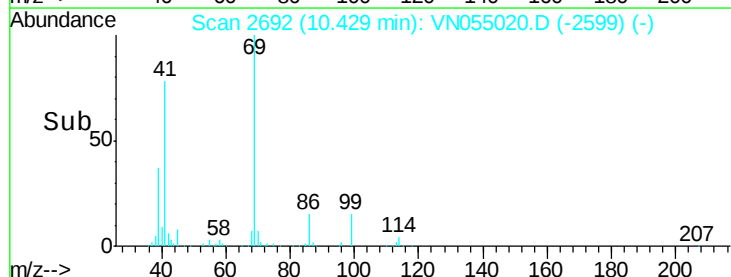
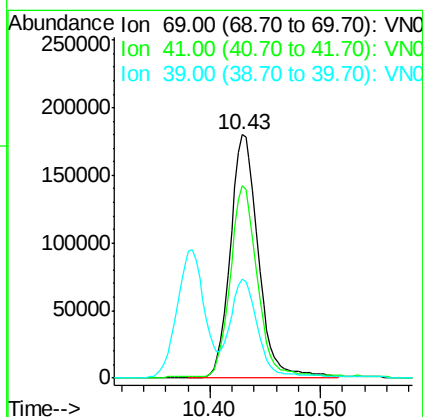
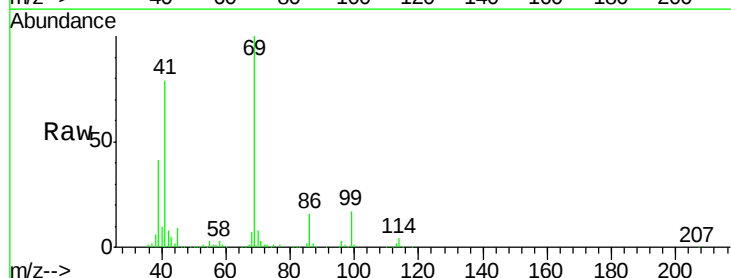
RT: 10.43 min Scan# 2692

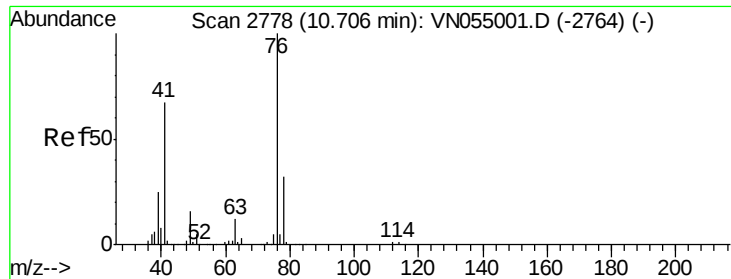
Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion:	69	Resp:	318866
Ion	Ratio	Lower	Upper
69	100		
41	75.6	61.4	92.0
39	39.7	30.8	46.2





#57

1,3-Dichloropropane

Concen: 46.066 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 395077

Ion Ratio Lower Upper

76 100

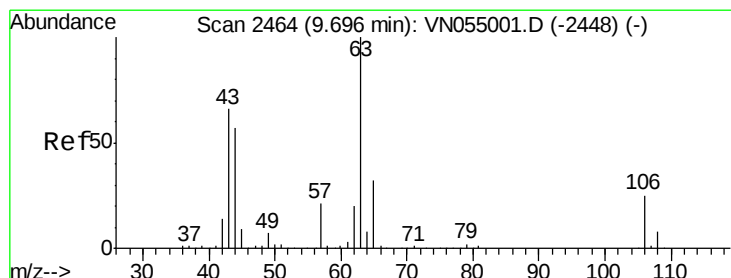
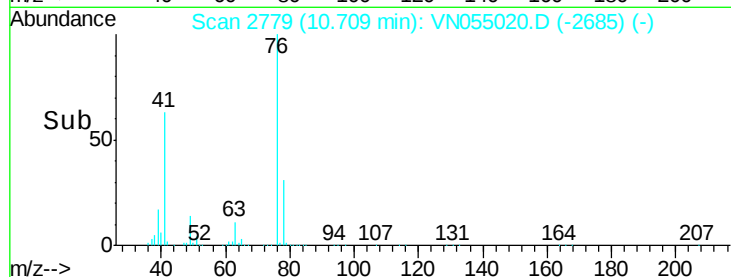
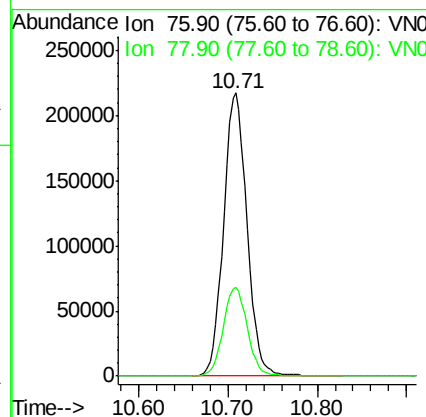
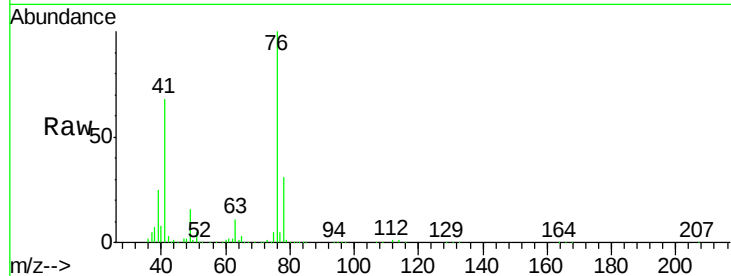
78 32.2 25.6 38.4

Manual Integrations

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4/16/2019 1:58:45 PM



#58

2-Chloroethyl Vinyl ether

Concen: 216.878 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055020.D

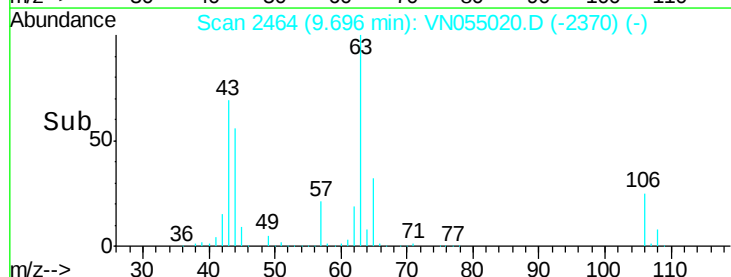
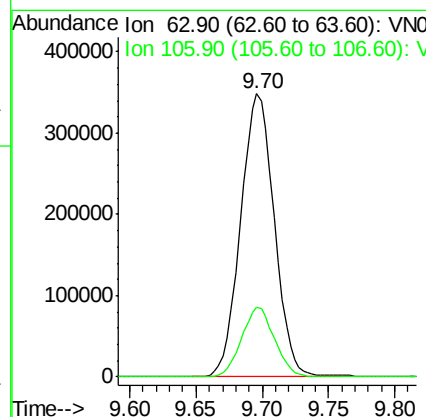
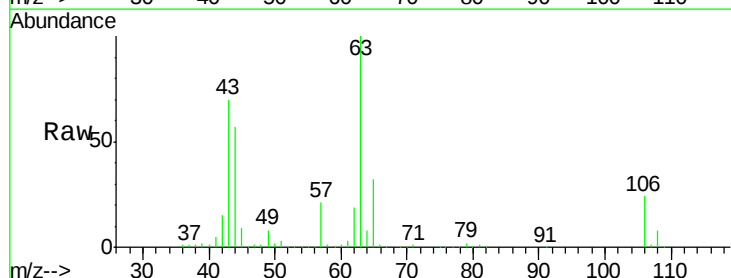
Acq: 13 Apr 2019 00:38

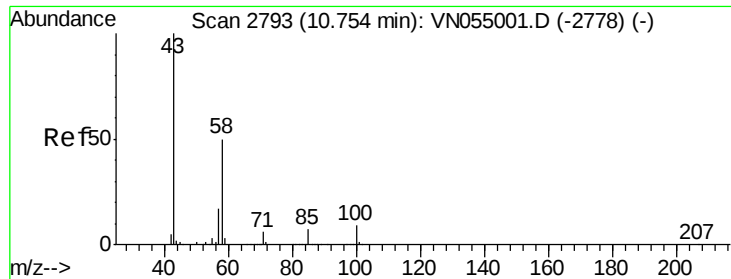
Tgt Ion: 63 Resp: 615941

Ion Ratio Lower Upper

63 100

106 24.2 20.0 30.0





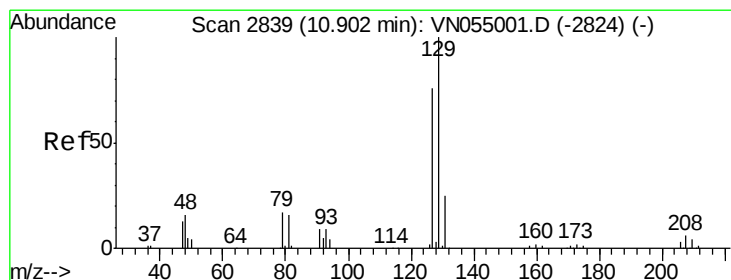
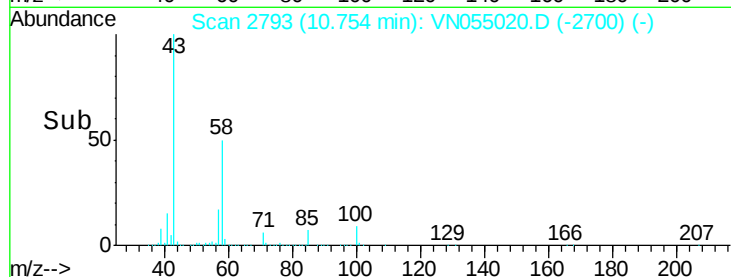
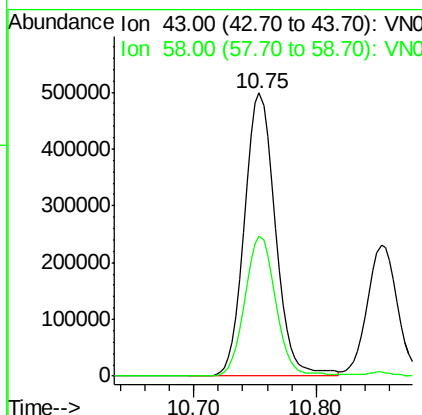
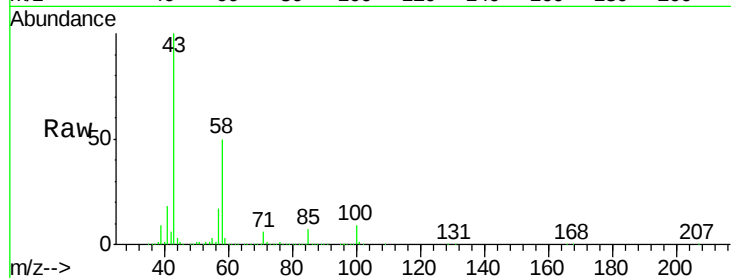
#59
2-Hexanone
Concen: 246.746 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 865021
Ion Ratio Lower Upper
43 100
58 49.9 25.1 75.2

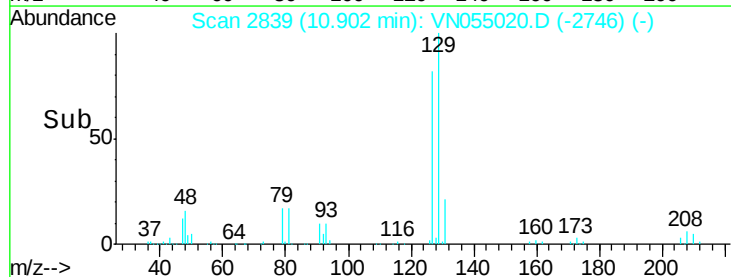
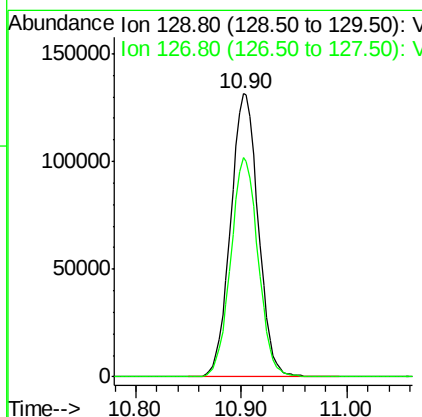
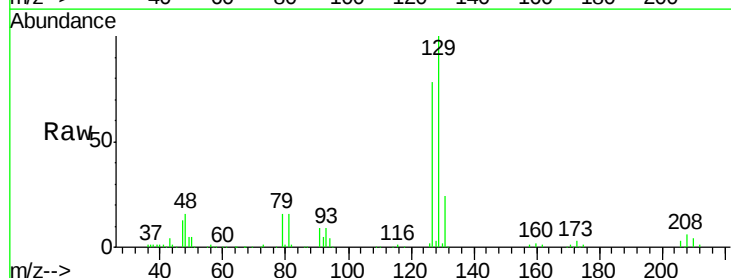
Manual Integrations
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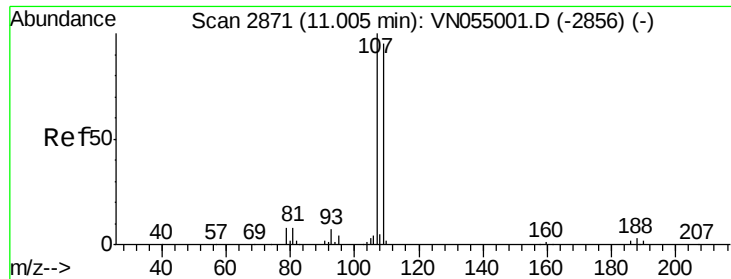
MMDadoda
4/16/2019 1:58:45 PM



#60
Dibromochloromethane
Concen: 48.297 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion: 129 Resp: 239007
Ion Ratio Lower Upper
129 100
127 76.5 38.2 114.6





#61

1,2-Dibromoethane

Concen: 46.314 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 220454

Ion Ratio Lower Upper

107 100

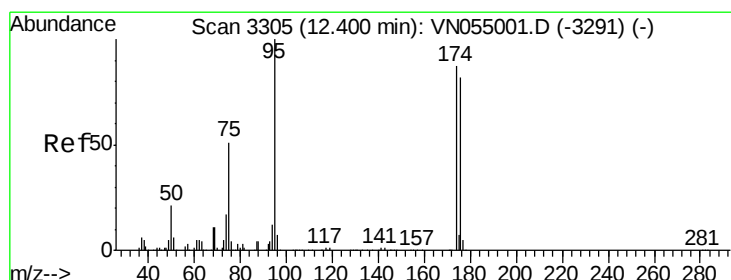
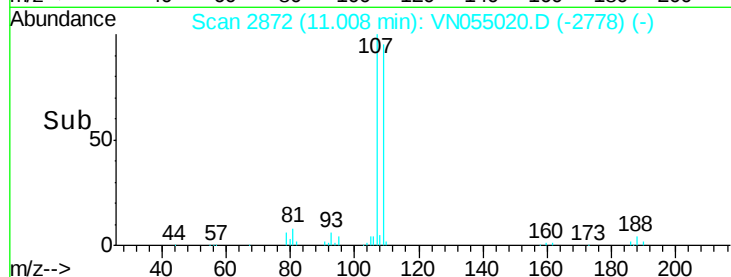
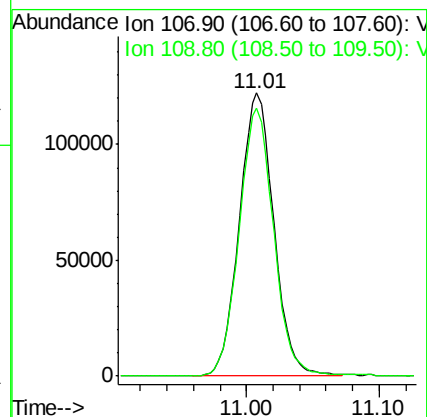
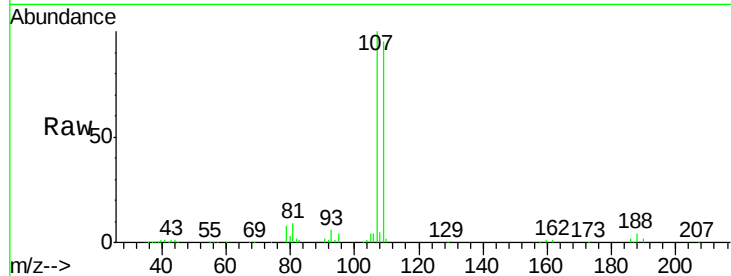
109 95.5 76.5 114.7

Manual Integrations

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MMDadoda

4/16/2019 1:58:45 PM



#62

4-Bromofluorobenzene

Concen: 46.951 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

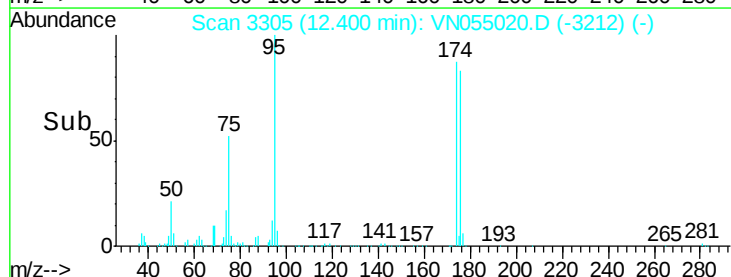
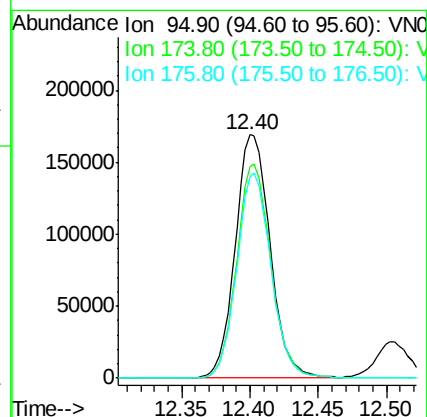
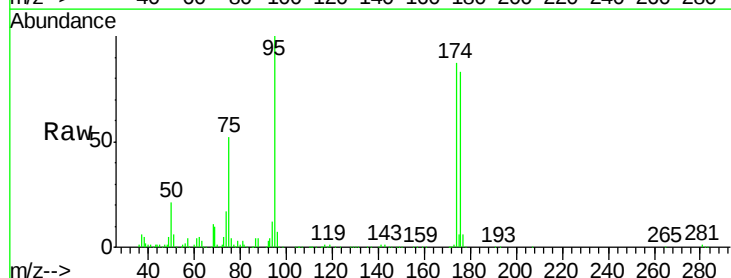
Tgt Ion: 95 Resp: 299052

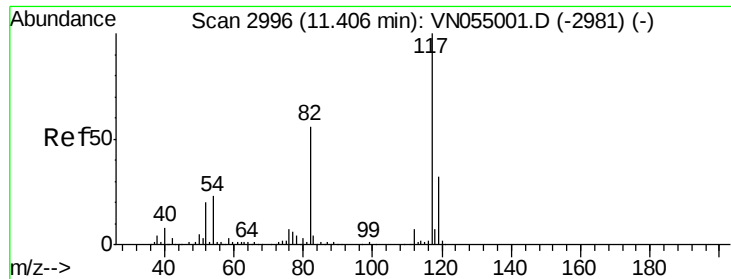
Ion Ratio Lower Upper

95 100

174 86.8 0.0 174.4

176 83.3 0.0 166.8





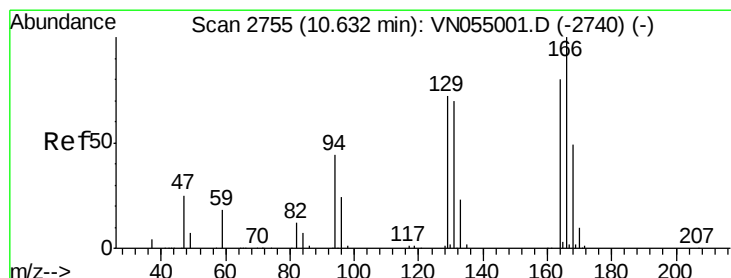
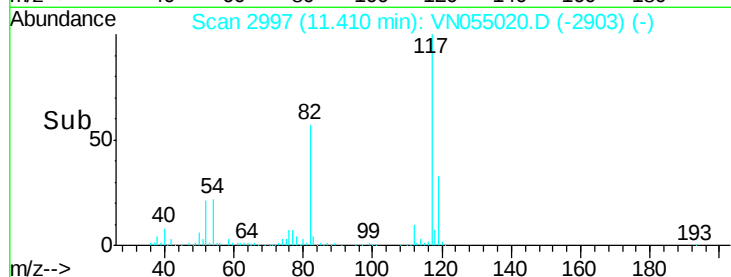
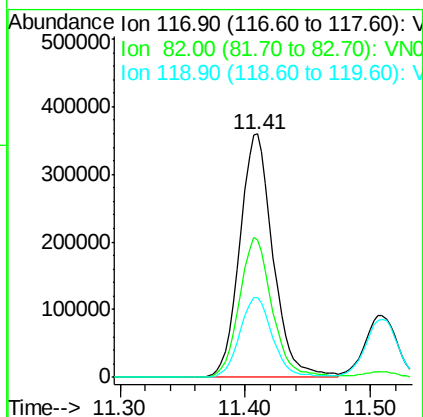
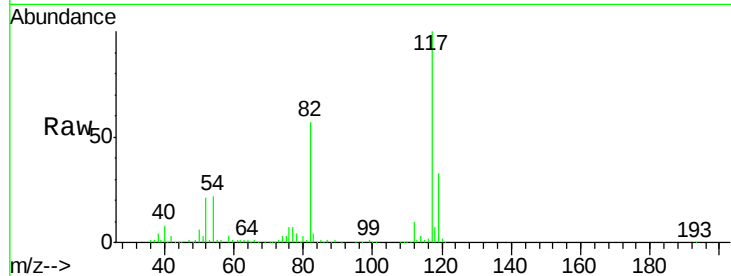
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	663404		
82	56.6	44.6	66.8	
119	33.0	25.5	38.3	

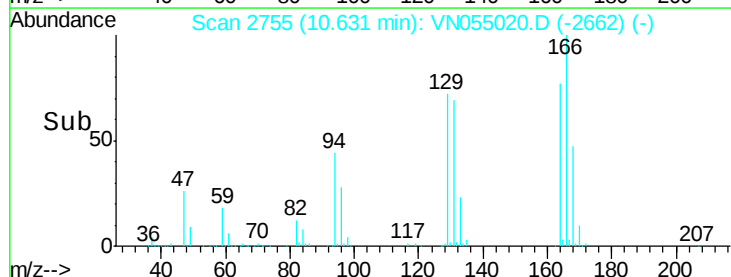
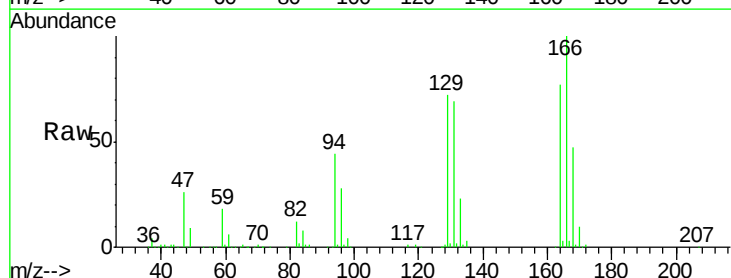
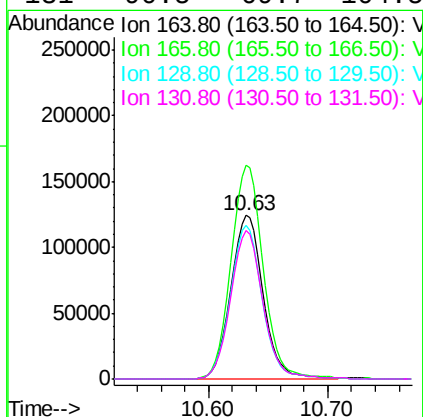
Manual Integrations
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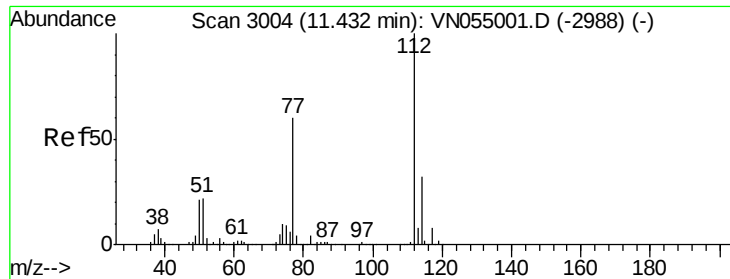
MMDadoda
4/16/2019 1:58:45 PM



#64
Tetrachloroethene
Concen: 45.174 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	234420		
166	130.5	100.0	150.0	
129	94.1	72.0	108.0	
131	90.5	69.7	104.5	





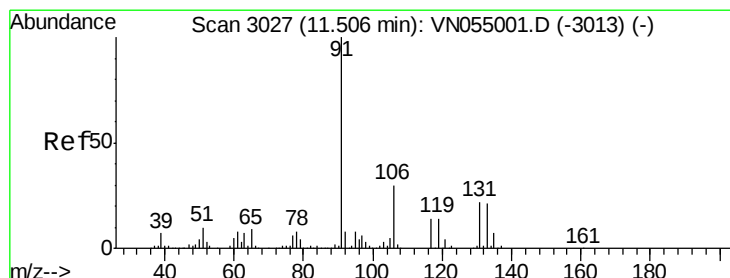
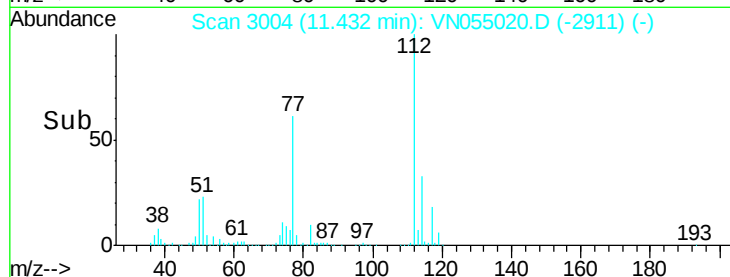
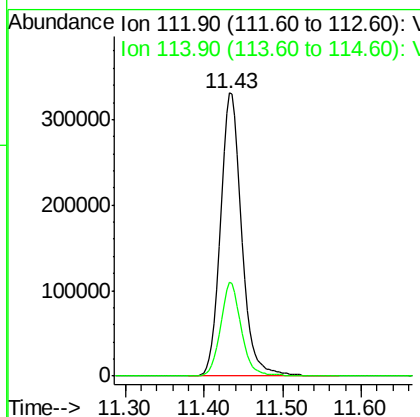
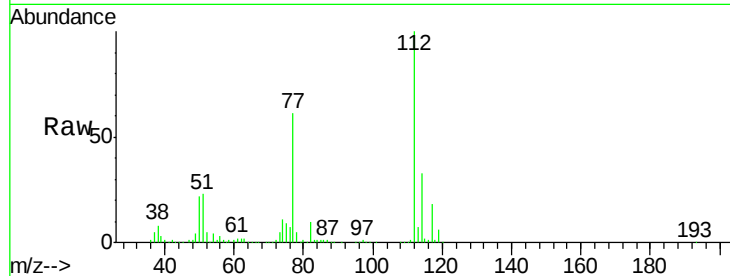
#65
Chlorobenzene
Concen: 48.058 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 614743
Ion Ratio Lower Upper
112 100
114 33.3 25.3 37.9

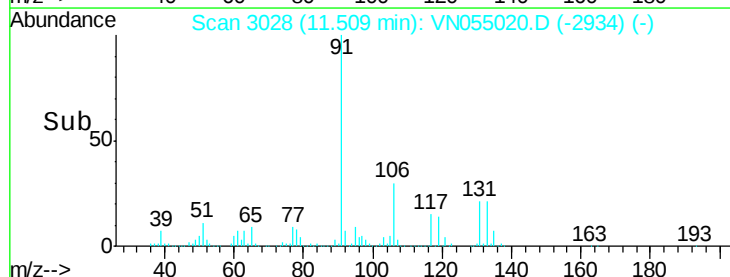
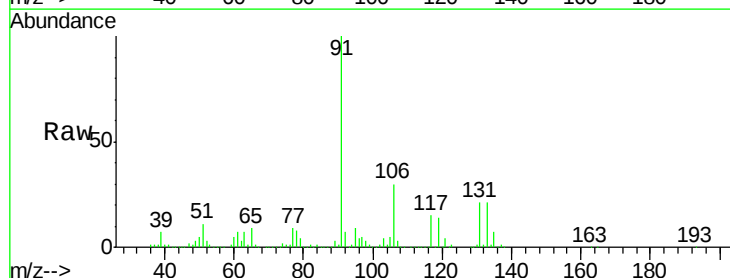
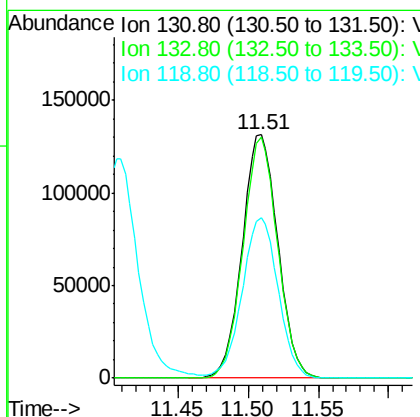
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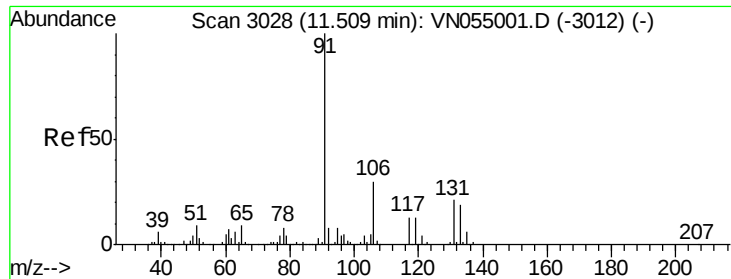
MMDadoda
4/16/2019 1:58:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.283 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion:131 Resp: 232325
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 66.5 33.6 100.6





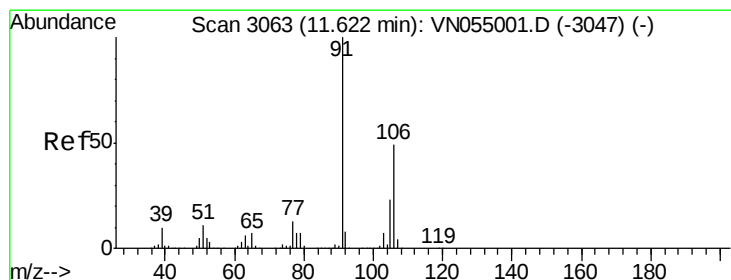
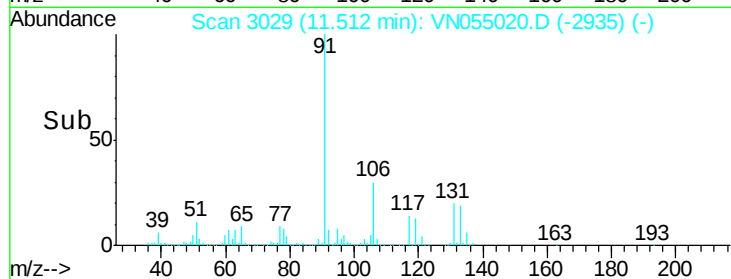
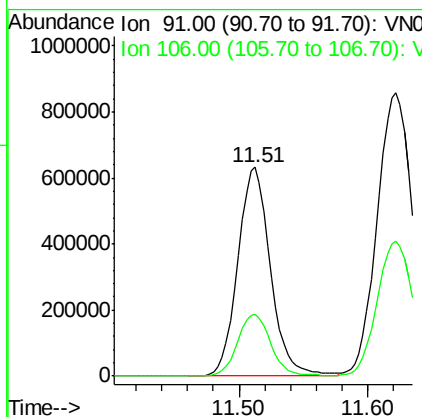
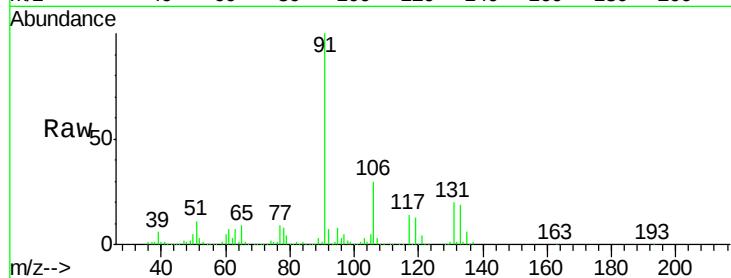
#67
Ethyl Benzene
Concen: 47.401 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1113774
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5

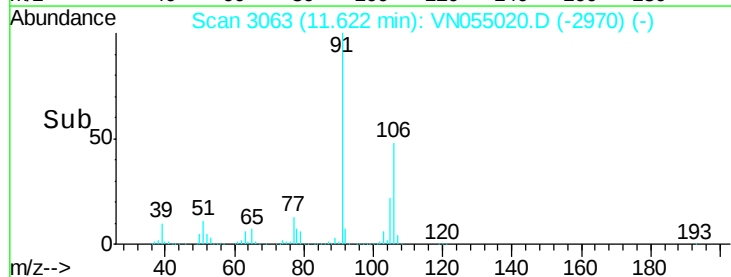
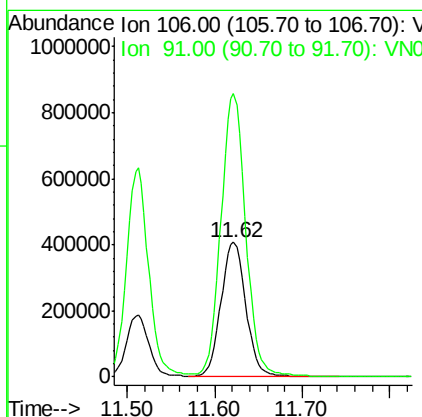
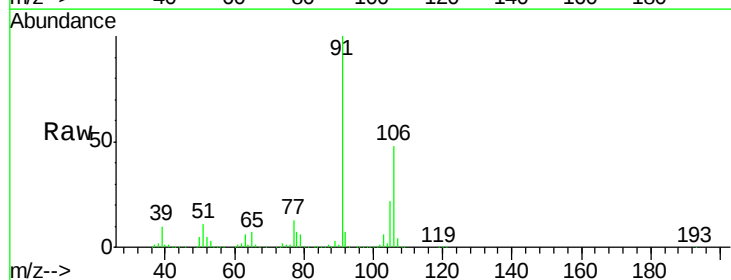
Manual Integrations
APPROVED

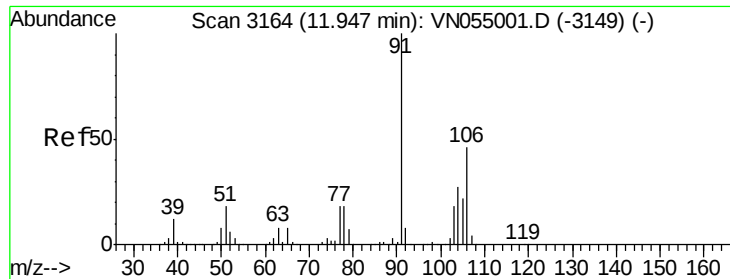
MMDadoda
4/16/2019 1:58:45 PM



#68
m/p-Xylenes
Concen: 94.612 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion: 106 Resp: 813336
Ion Ratio Lower Upper
106 100
91 208.3 165.9 248.9





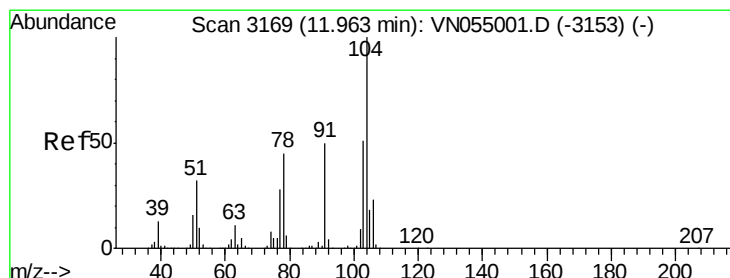
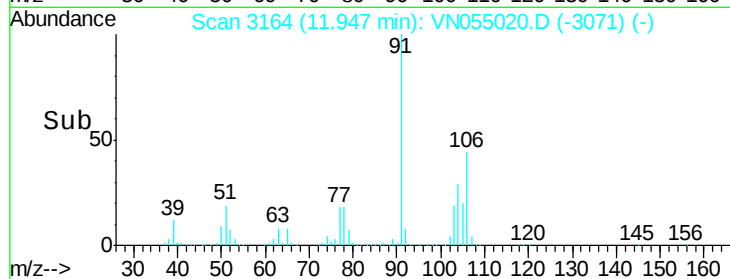
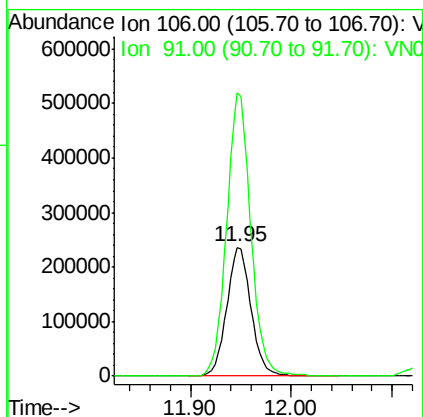
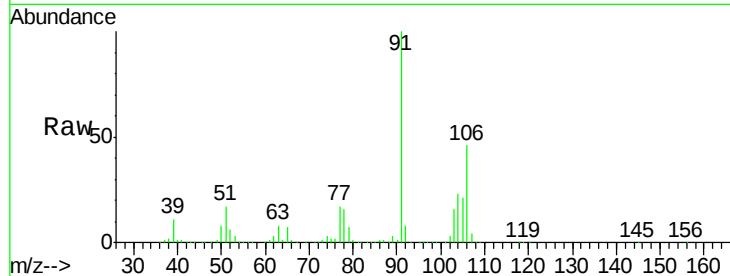
#69
o-Xylene
Concen: 46.611 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 396456
Ion Ratio Lower Upper
106 100
91 218.7 109.9 329.8

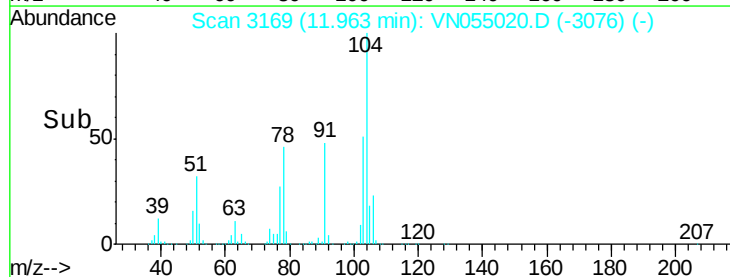
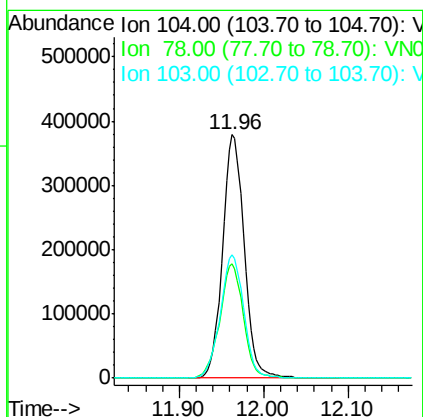
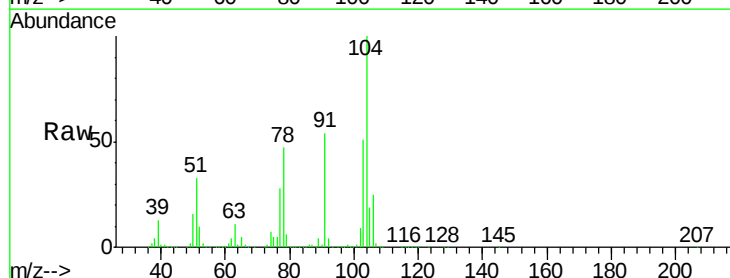
Manual Integrations
APPROVED

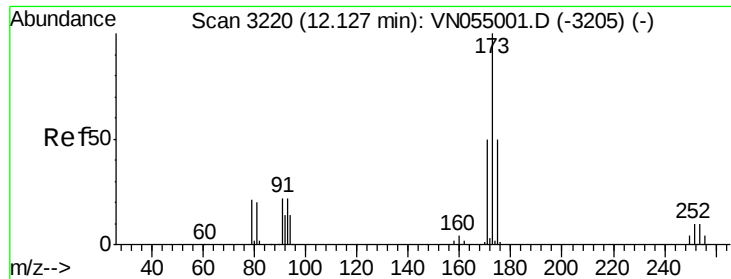
MMDadoda
4/16/2019 1:58:45 PM



#70
Styrene
Concen: 50.109 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion:104 Resp: 675797
Ion Ratio Lower Upper
104 100
78 51.0 40.3 60.5
103 55.0 44.3 66.5





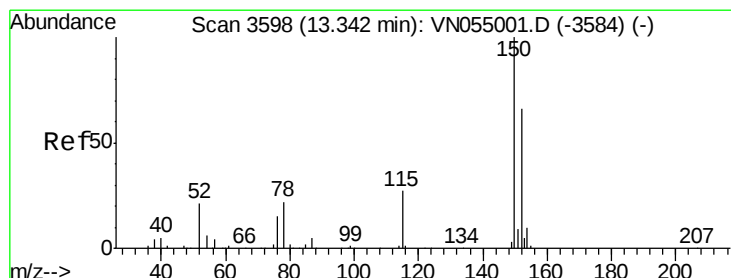
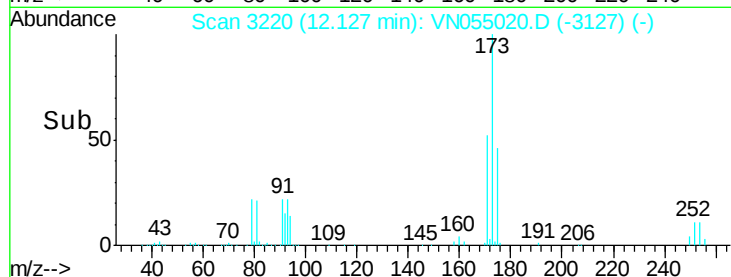
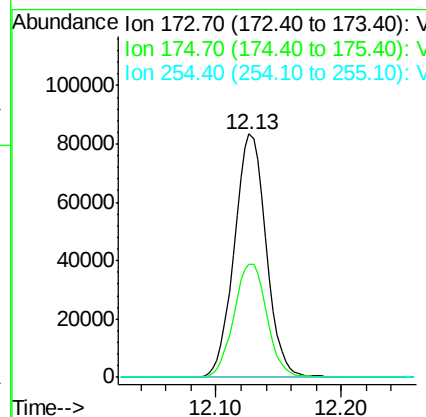
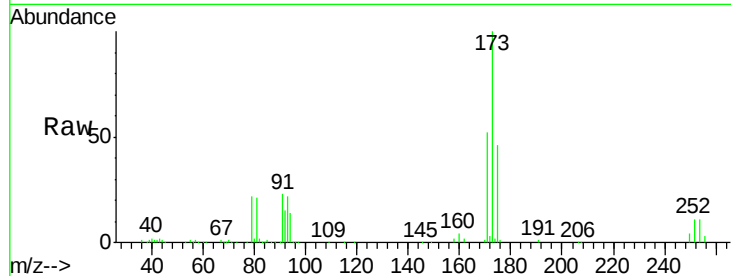
#71
Bromoform
Concen: 45.703 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 146972
Ion Ratio Lower Upper
173 100
175 48.4 24.3 73.0
254 0.1 0.1 0.1#

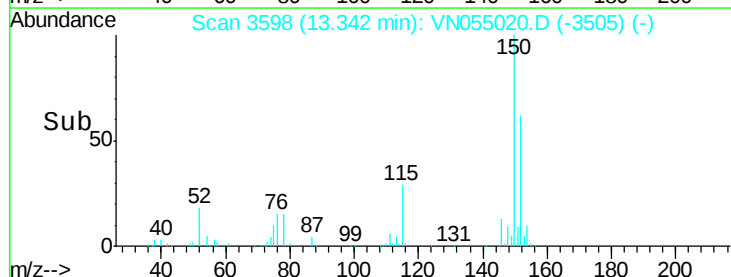
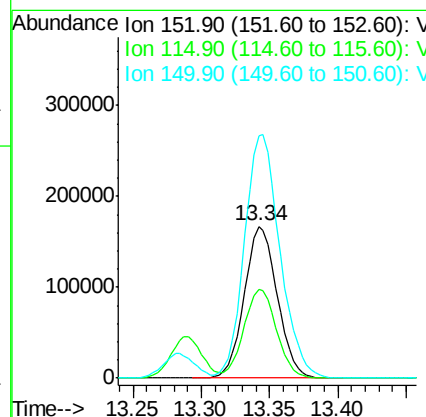
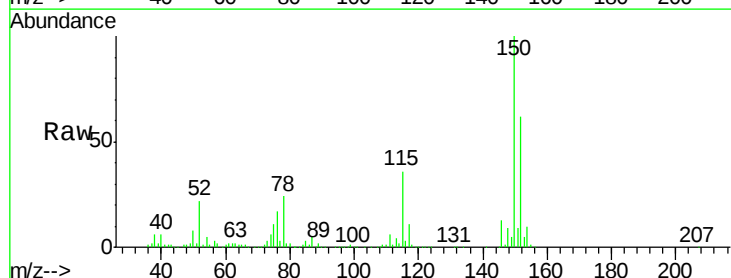
Manual Integrations
APPROVED

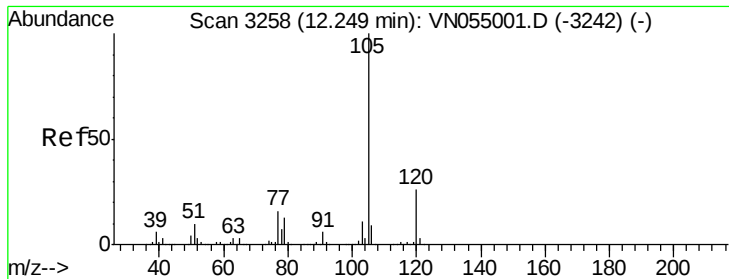
MMDadoda
4/16/2019 1:58:45 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion:152 Resp: 278409
Ion Ratio Lower Upper
152 100
115 58.2 28.5 85.6
150 173.8 0.0 347.2





#73

Isopropylbenzene

Concen: 43.660 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1033491

Ion Ratio Lower Upper

105 100

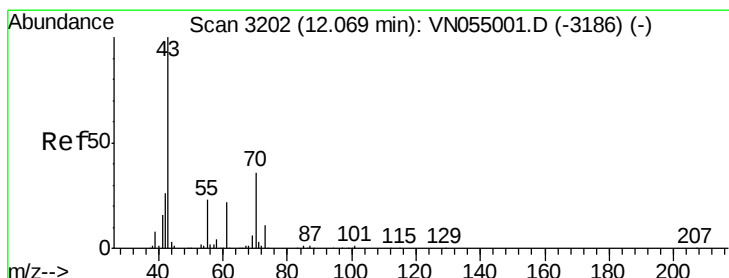
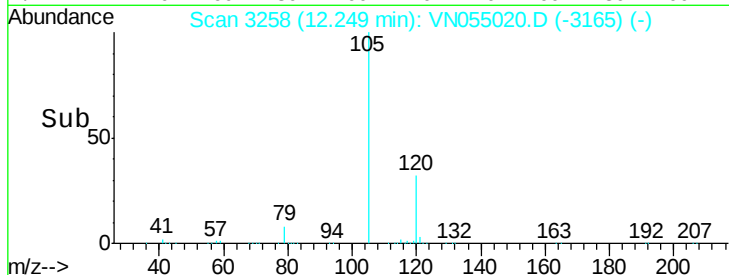
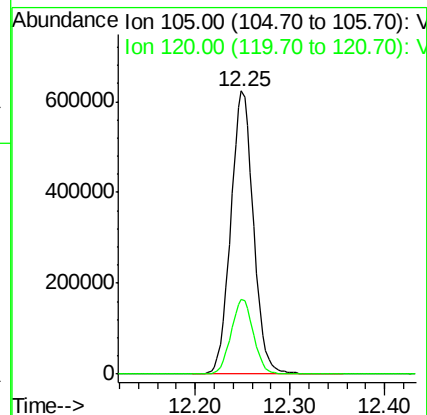
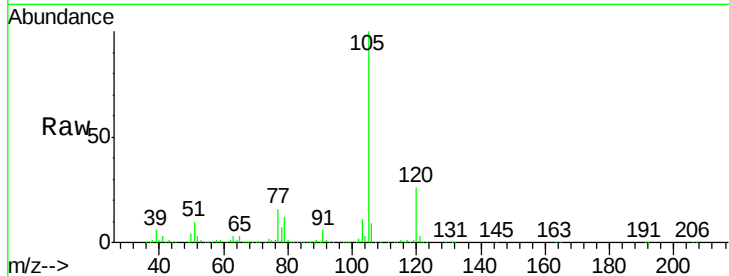
120 26.3 13.3 39.9

Manual Integrations

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MMDadoda

4/16/2019 1:58:45 PM



#74

N-ethyl acetate

Concen: 58.004 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion: 43 Resp: 413852

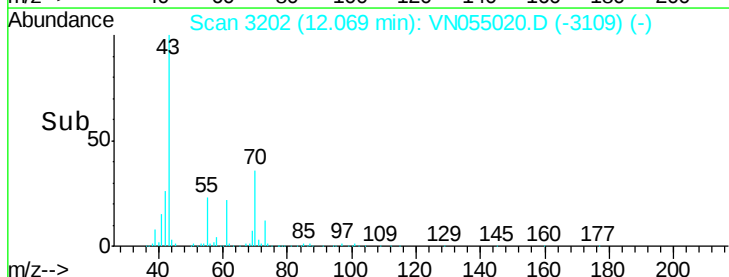
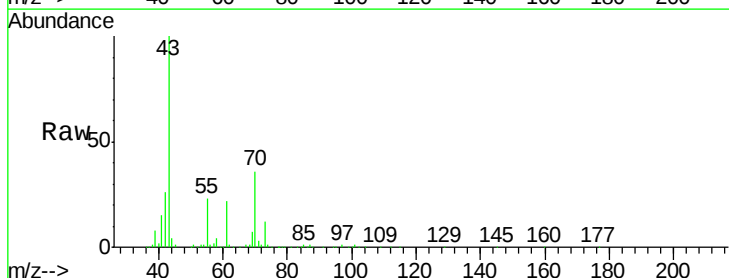
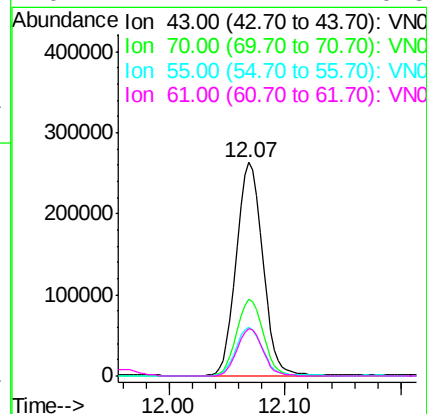
Ion Ratio Lower Upper

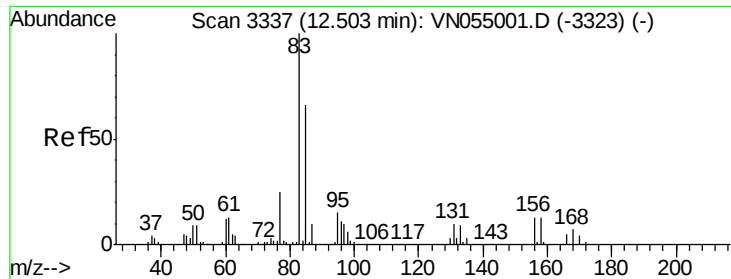
43 100

70 36.4 29.4 44.0

55 22.8 19.0 28.4

61 21.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.620 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

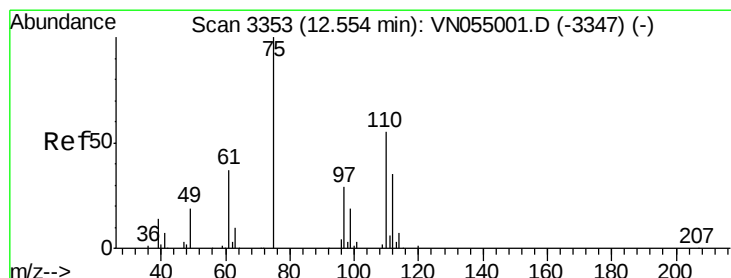
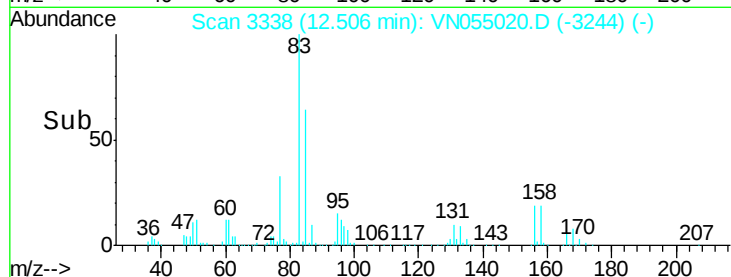
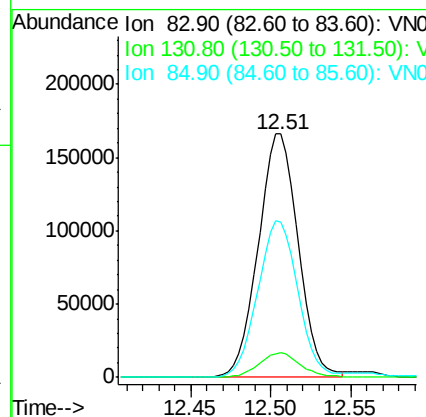
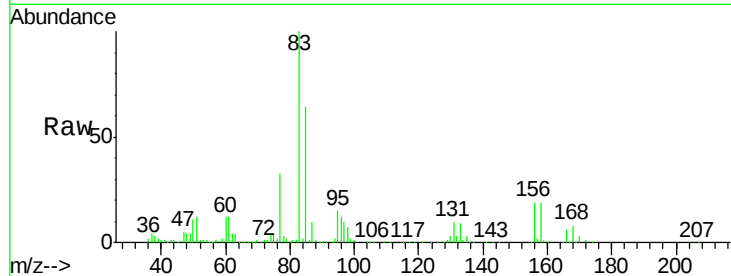
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	285715
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	64.7	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 49.067 ug/l m

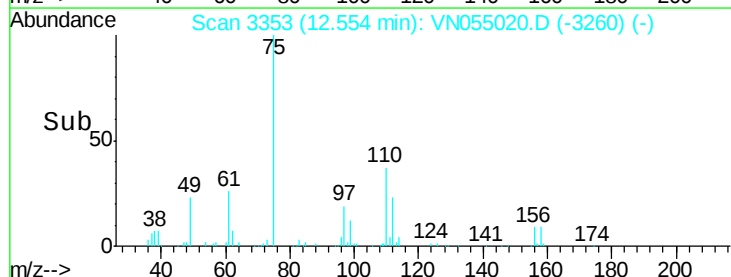
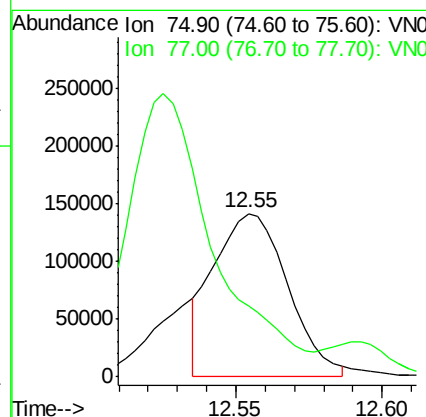
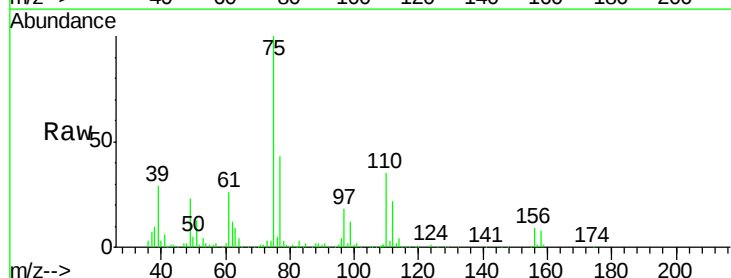
RT: 12.55 min Scan# 3353

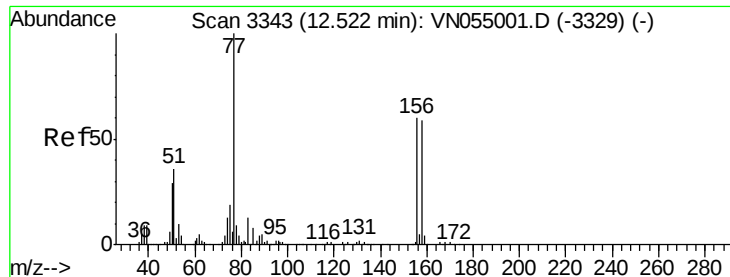
Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion:	75	Resp:	251322
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.818 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

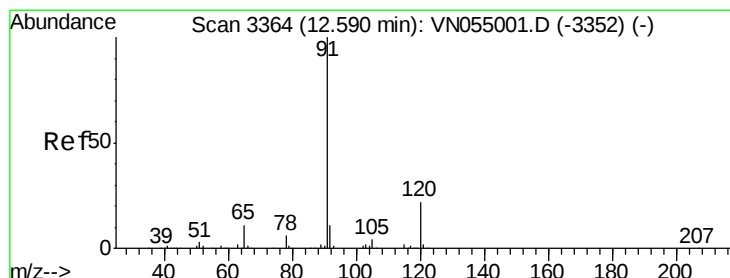
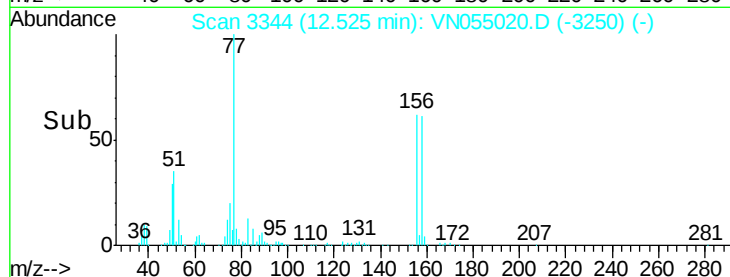
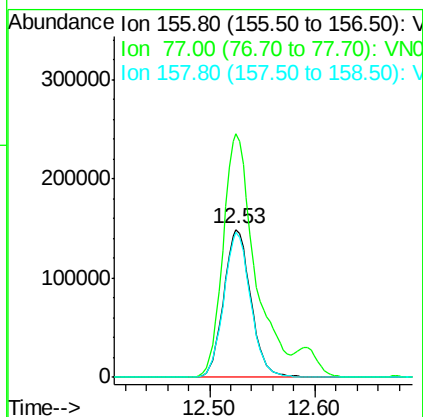
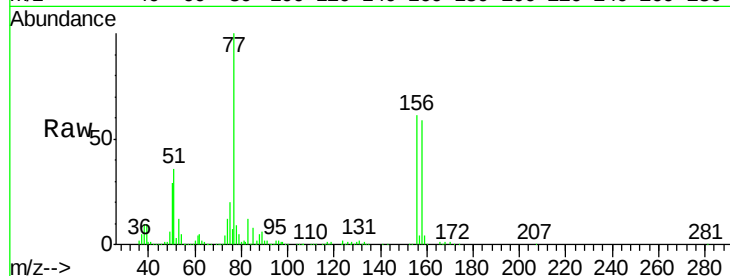
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	264421
Ion Ratio	Lower	Upper	
156	100		
77	192.2	97.2	291.5
158	97.0	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 44.303 ug/l

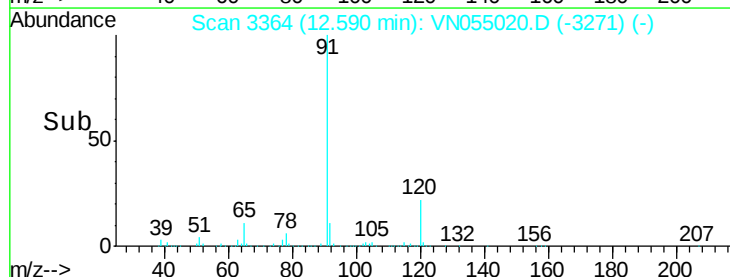
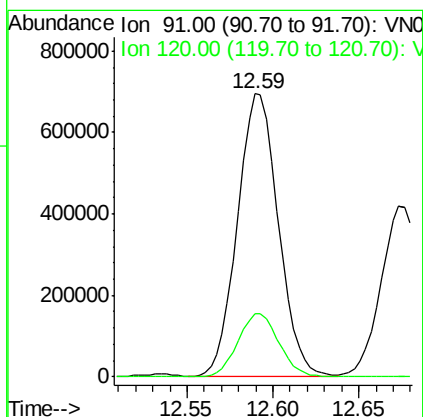
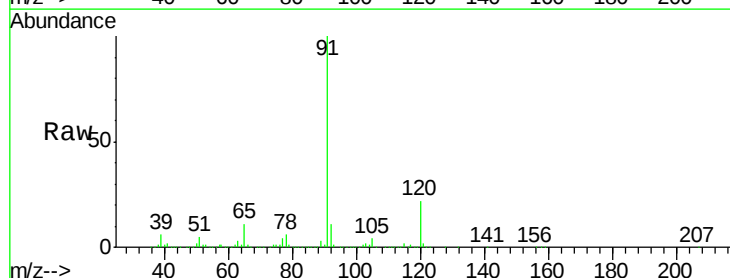
RT: 12.59 min Scan# 3364

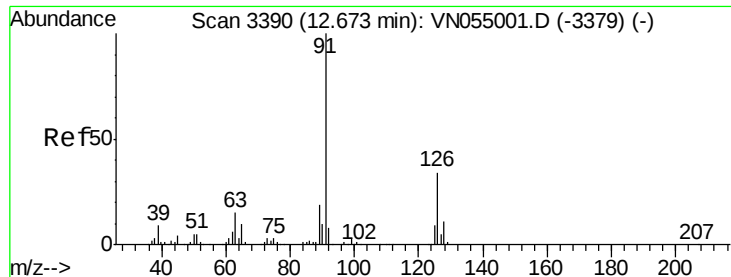
Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion:	91	Resp:	1142550
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.5





#79

2-Chlorotoluene

Concen: 43.953 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 700259

Ion Ratio Lower Upper

91 100

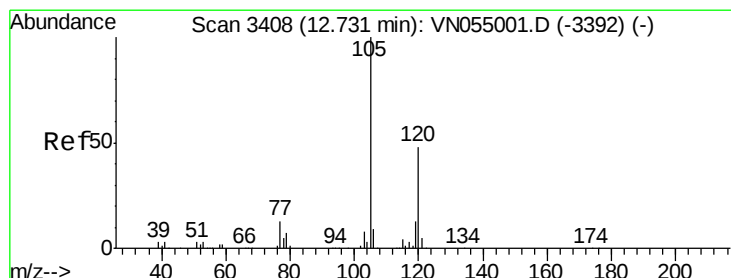
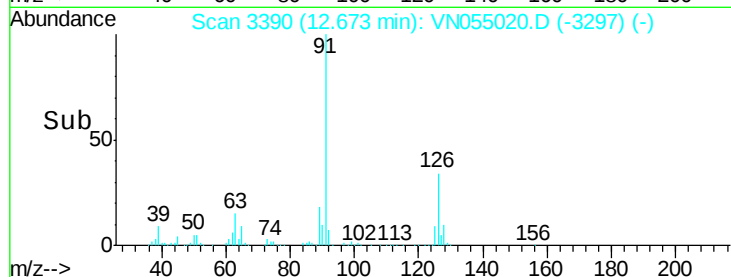
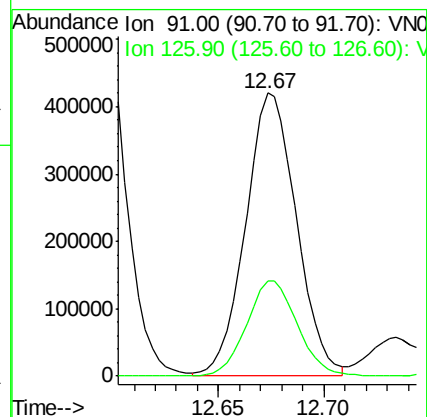
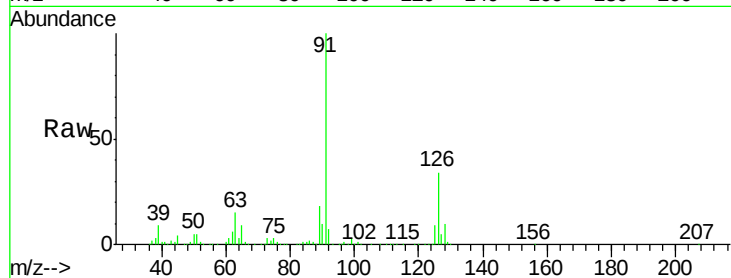
126 34.0 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 43.938 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055020.D

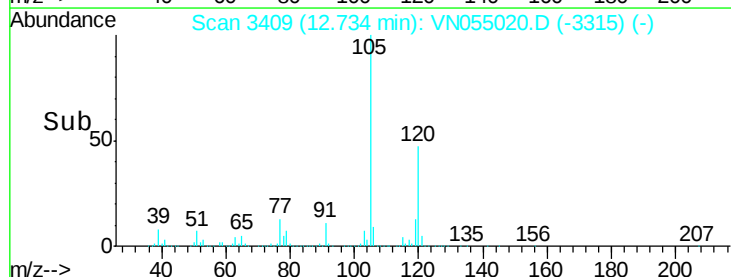
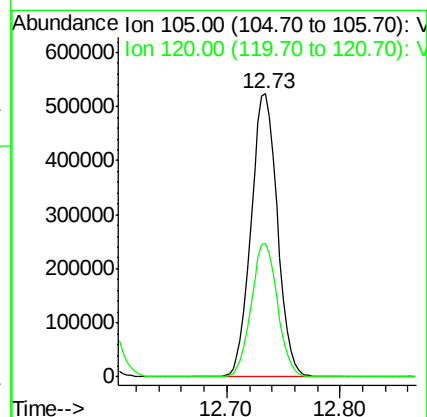
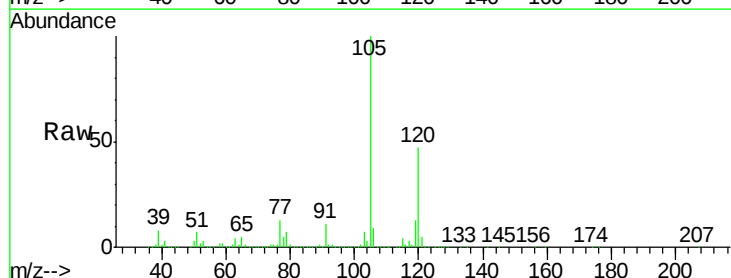
Acq: 13 Apr 2019 00:38

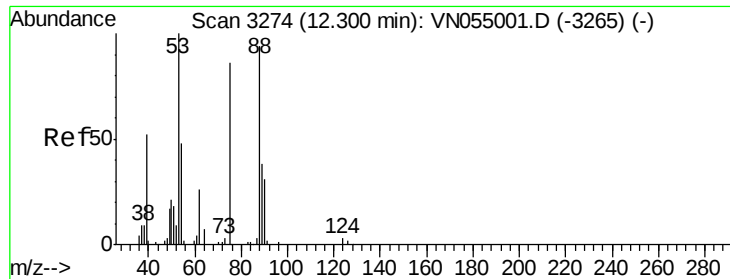
Tgt Ion: 105 Resp: 846686

Ion Ratio Lower Upper

105 100

120 47.3 24.3 72.8





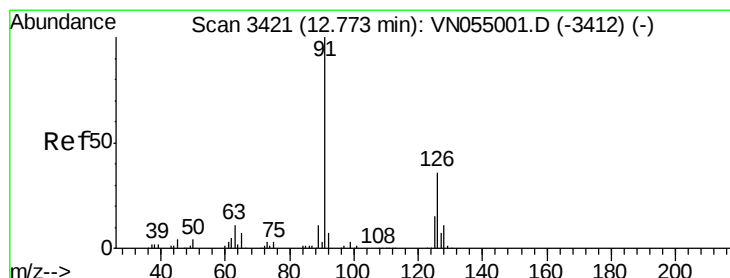
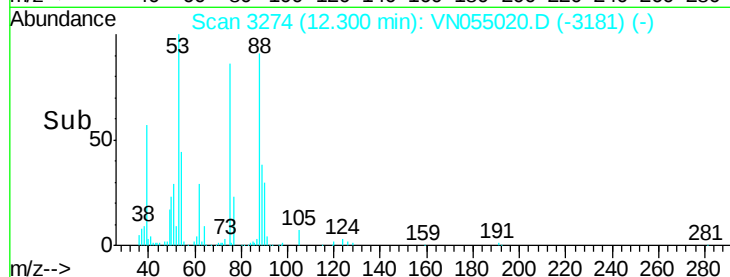
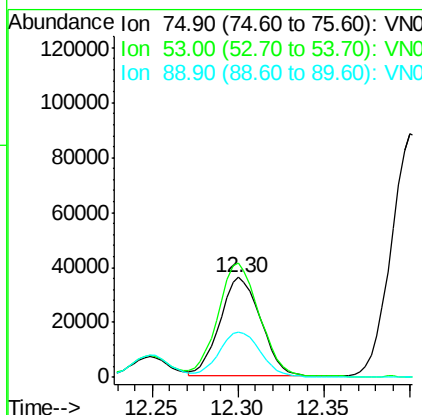
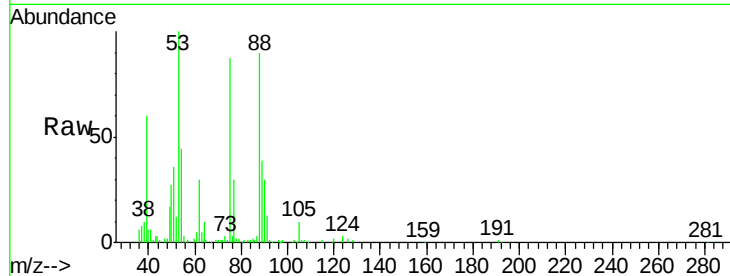
#81
trans-1,4-Dichloro-2-butene
Concen: 48.265 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.3	96.3	144.5
89	46.9	38.6	57.8

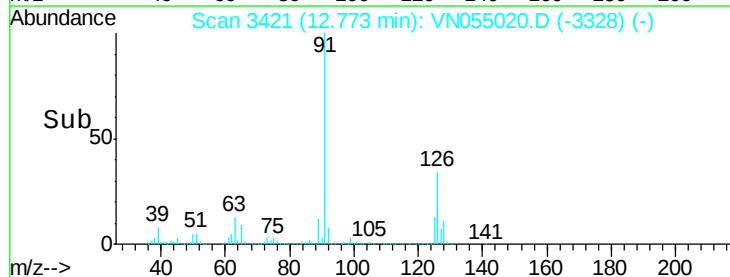
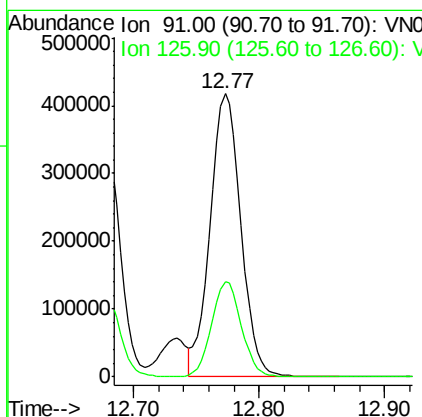
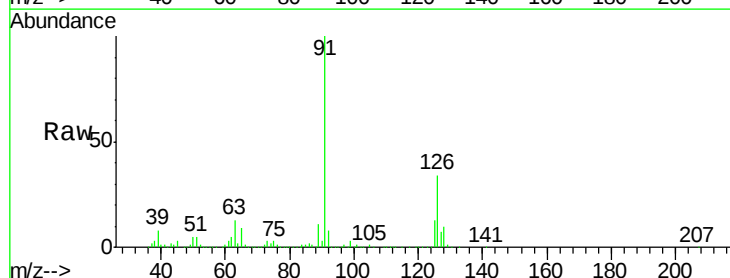
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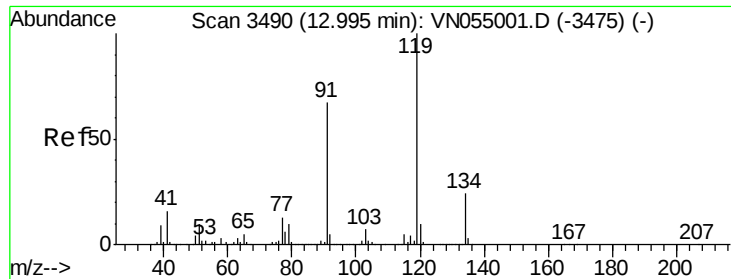
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#82
4-Chlorotoluene
Concen: 45.859 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.2





#83

tert-Butylbenzene

Concen: 42.822 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

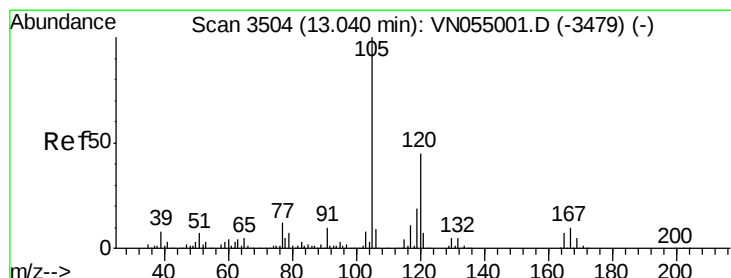
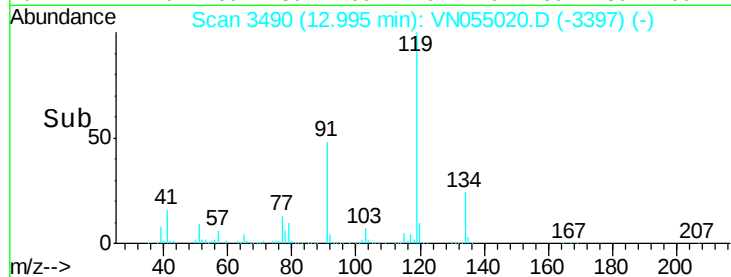
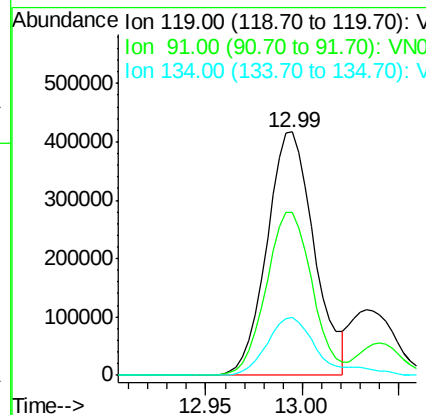
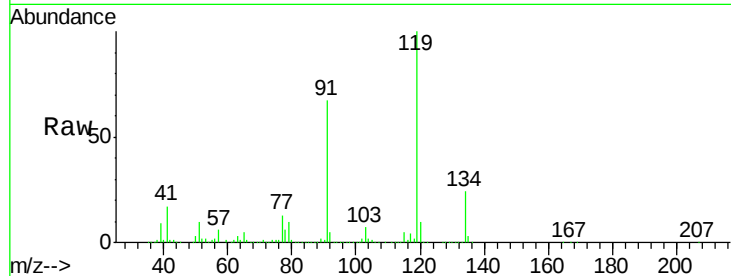
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	706923
Ion Ratio	Lower	Upper	
119	100		
91	65.0	33.3	99.8
134	26.0	12.3	36.9

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#84

1,2,4-Trimethylbenzene

Concen: 45.231 ug/l

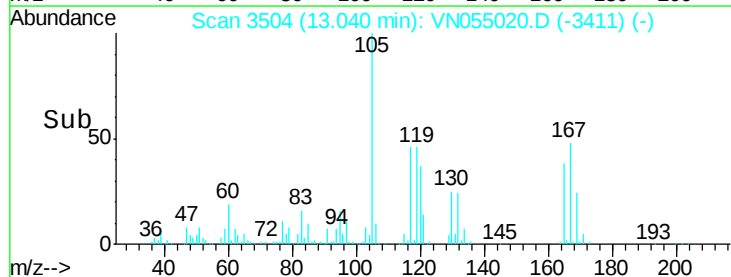
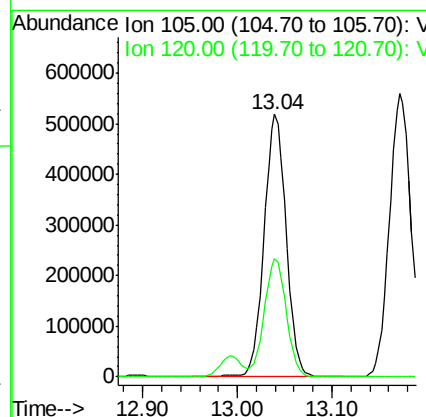
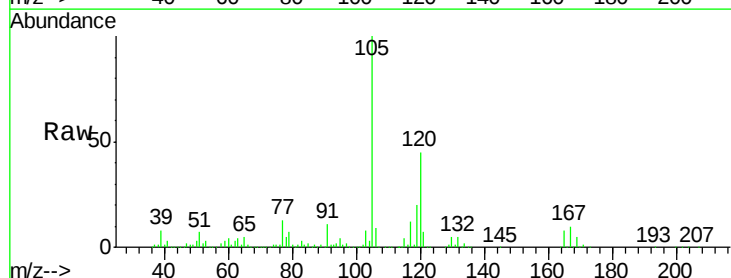
RT: 13.04 min Scan# 3504

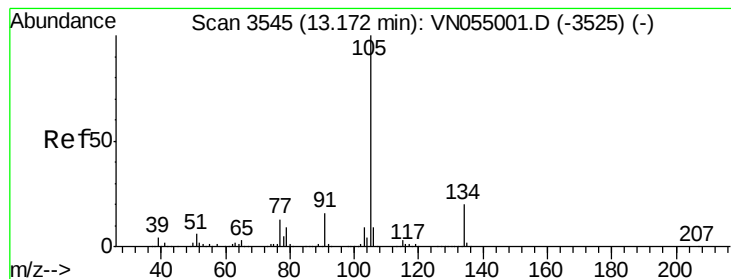
Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion:	105	Resp:	835763
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.4	67.3





#85

sec-Butylbenzene

Concen: 42.387 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 893422

Ion Ratio Lower Upper

105 100

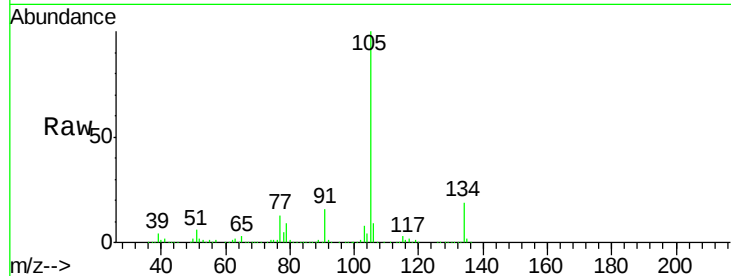
134 19.8 9.8 29.3

Manual Integrations

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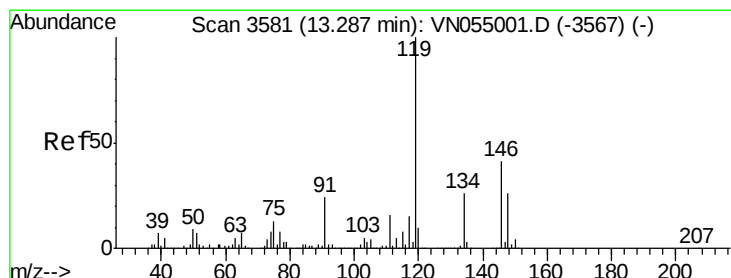
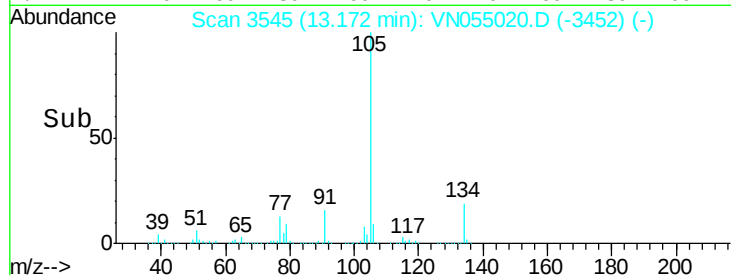
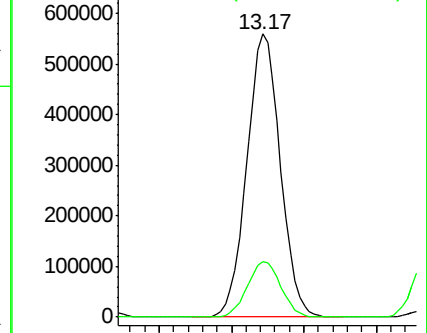
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.821 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

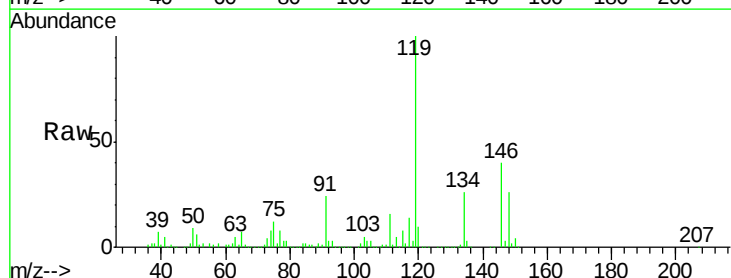
Tgt Ion:119 Resp: 950066

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

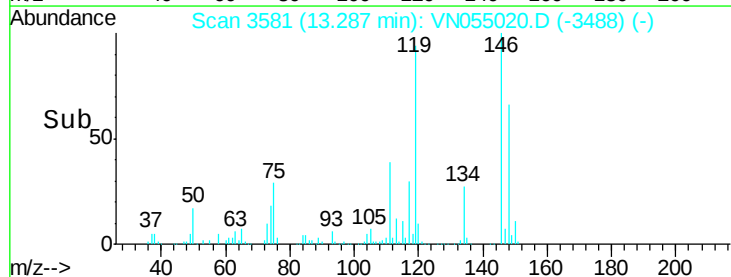
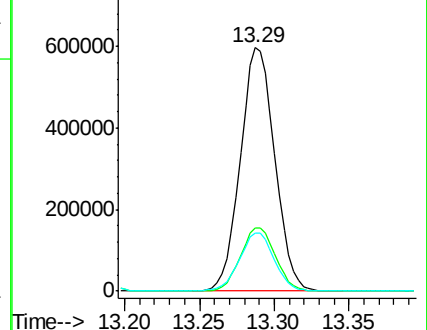
91 24.1 11.7 35.1

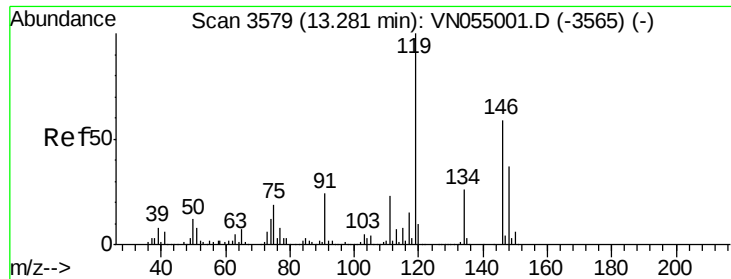


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 45.018 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

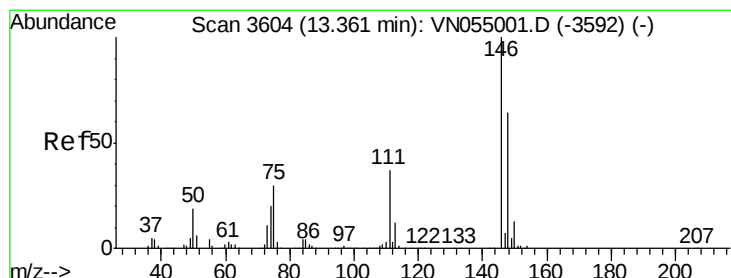
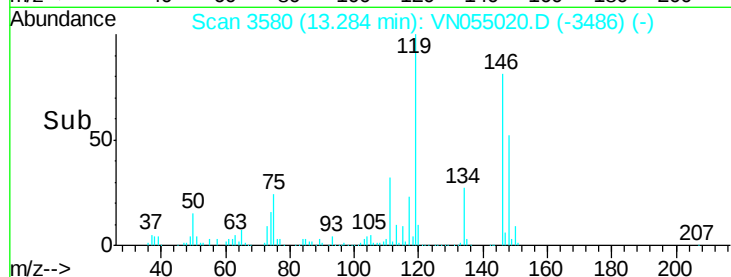
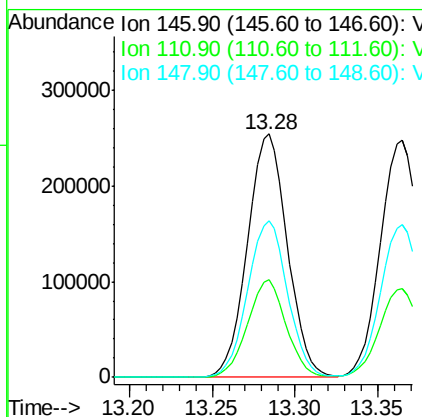
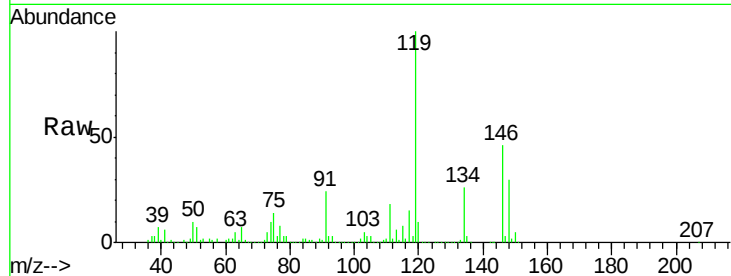
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	425707
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.5	58.5
148	64.3	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 45.887 ug/l

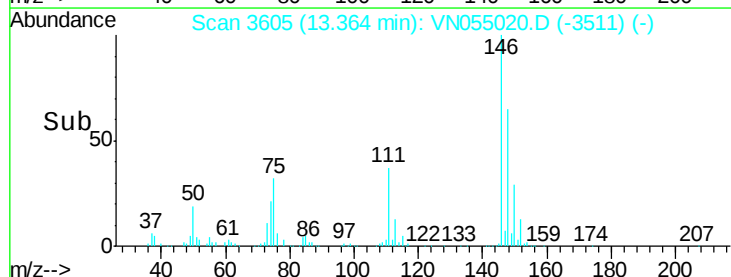
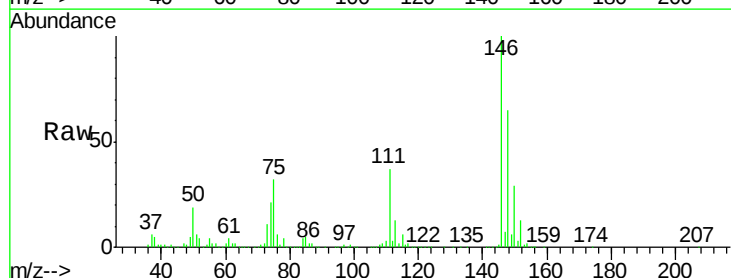
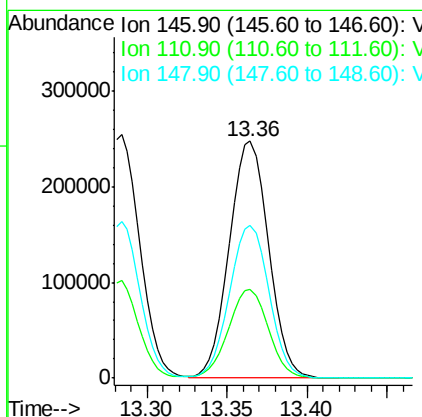
RT: 13.36 min Scan# 3605

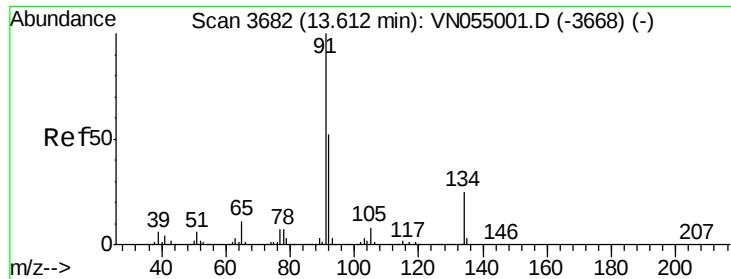
Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion:	146	Resp:	415020
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.8	56.4
148	65.0	32.4	97.2





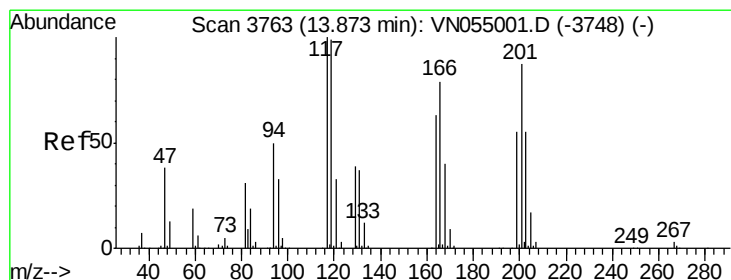
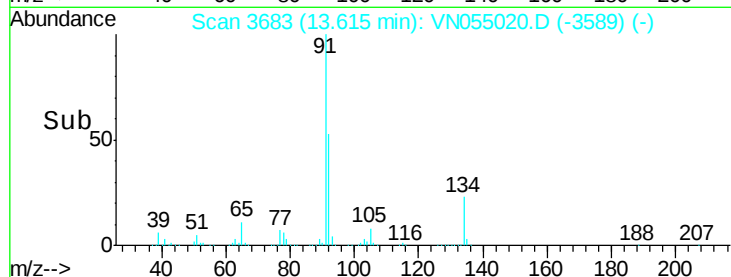
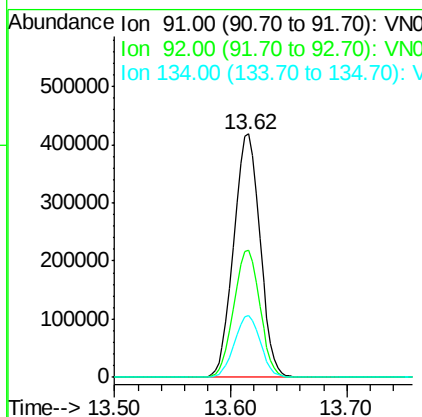
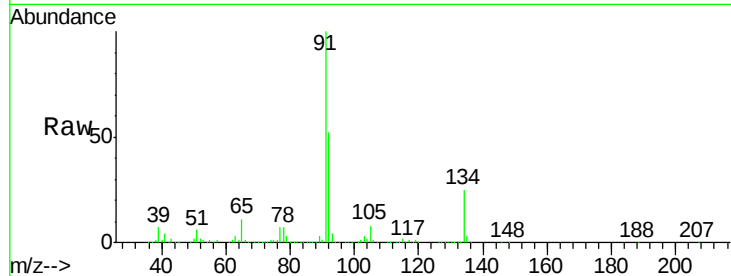
#89
n-Butylbenzene
Concen: 45.356 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.9	77.7
134	25.1	12.8	38.3

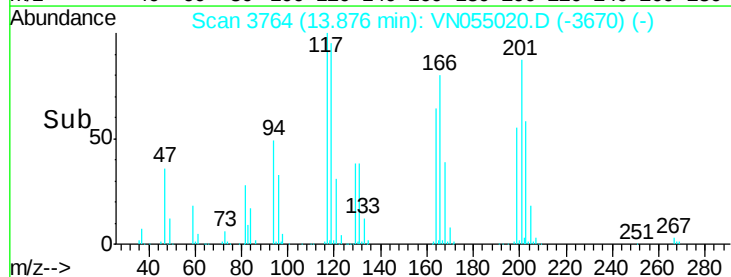
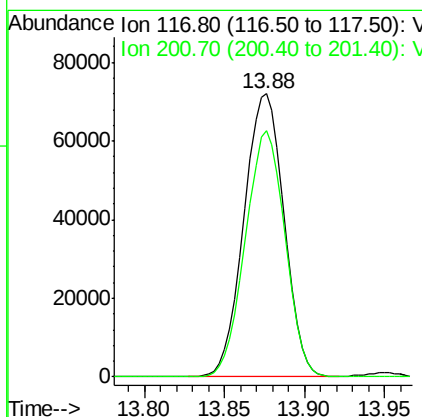
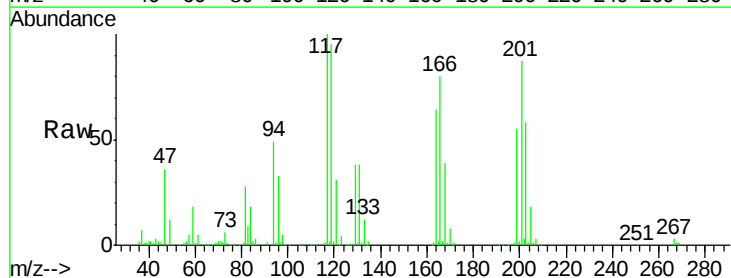
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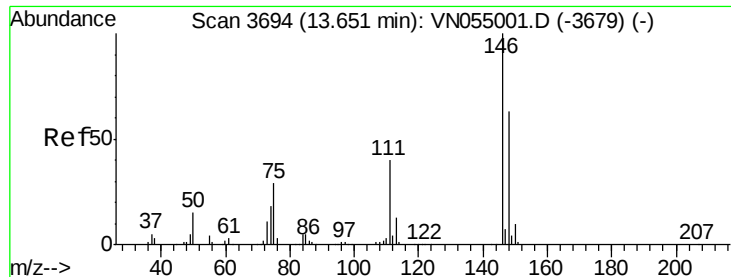
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#90
Hexachloroethane
Concen: 40.629 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	43.4	130.2





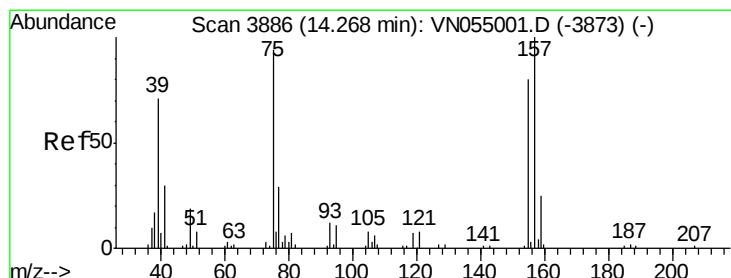
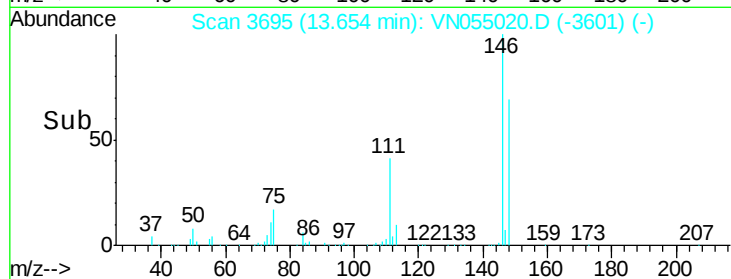
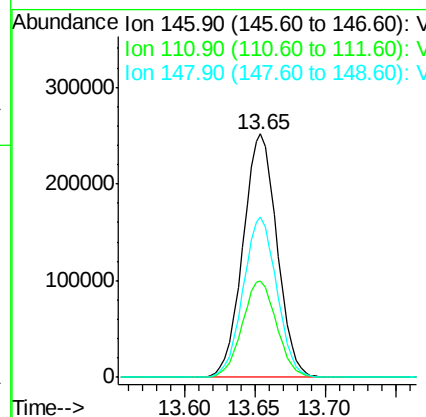
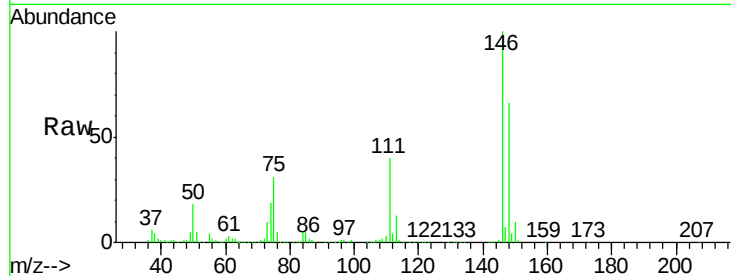
#91
 1,2-Dichlorobenzene
 Concen: 46.283 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.9
148	65.1	32.2	96.6

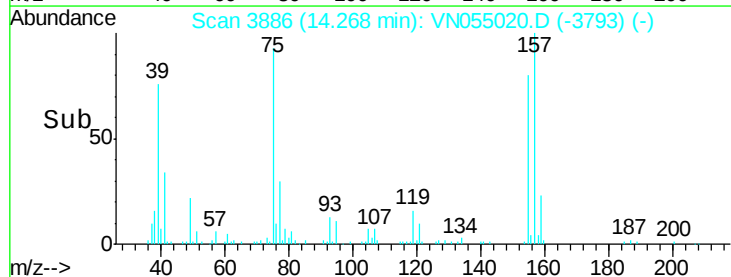
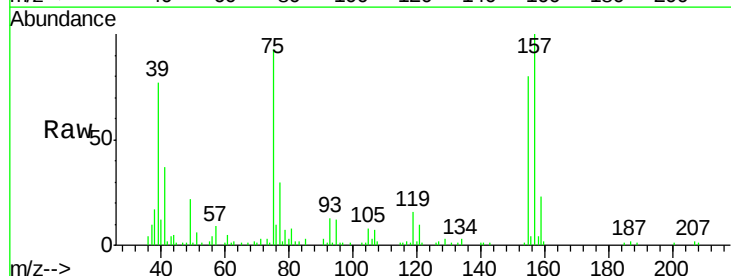
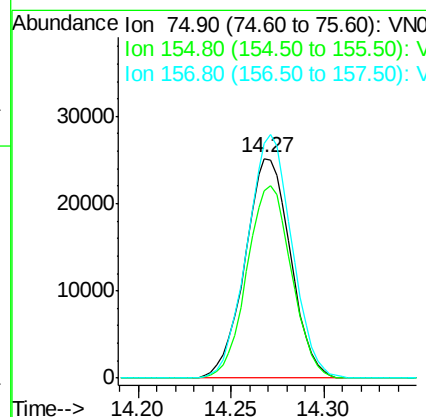
Manual Integrations
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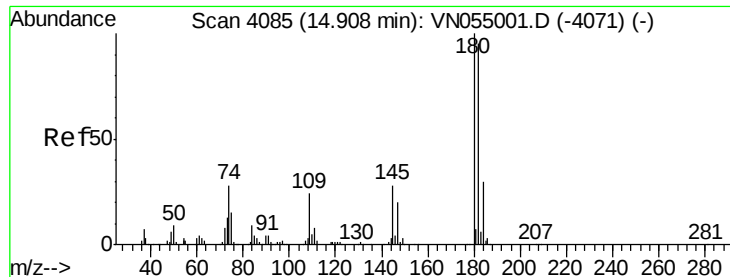
MMDadoda
 4/16/2019 1:58:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.753 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	42.0	126.0
157	109.2	52.1	156.4





#93

1,2,4-Trichlorobenzene

Concen: 44.979 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

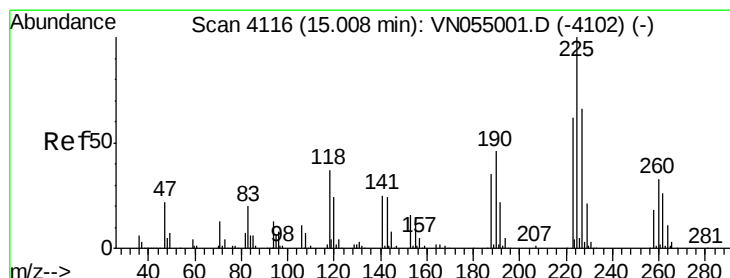
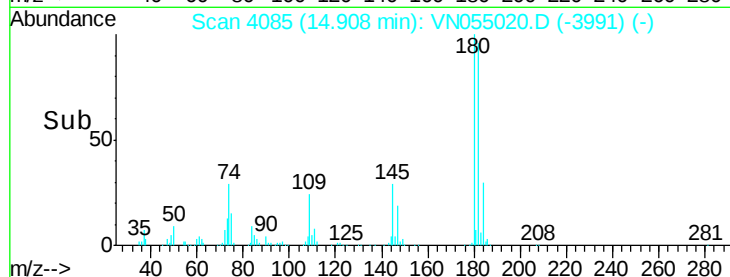
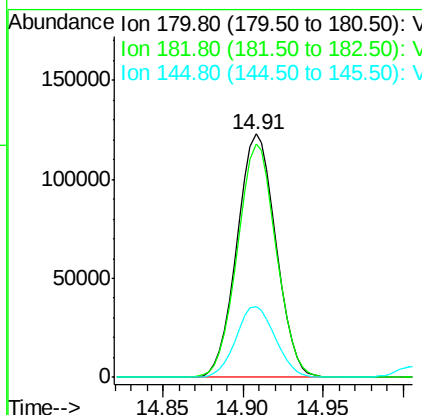
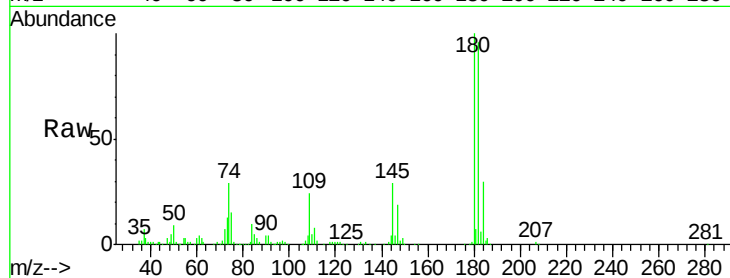
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	203337
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.5	142.6
145	29.6	14.2	42.8

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#94

Hexachlorobutadiene

Concen: 44.266 ug/l

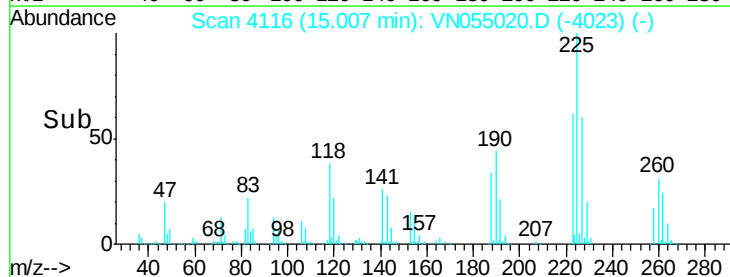
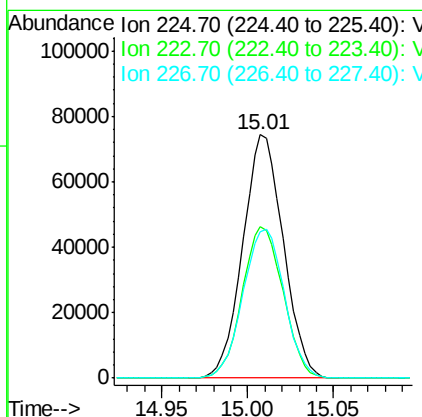
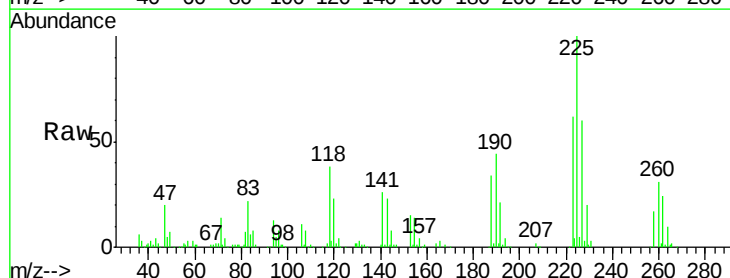
RT: 15.01 min Scan# 4116

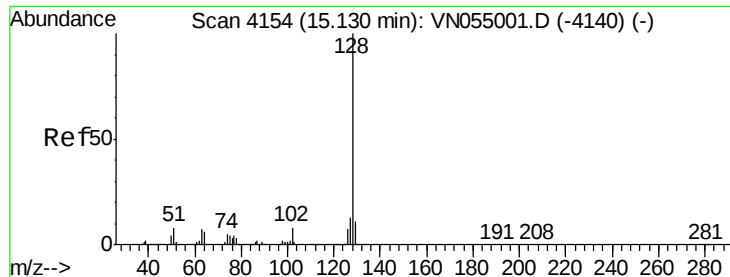
Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion:	225	Resp:	121896
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.4	94.0
227	62.4	32.6	97.7





#95

Naphthalene

Concen: 47.574 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

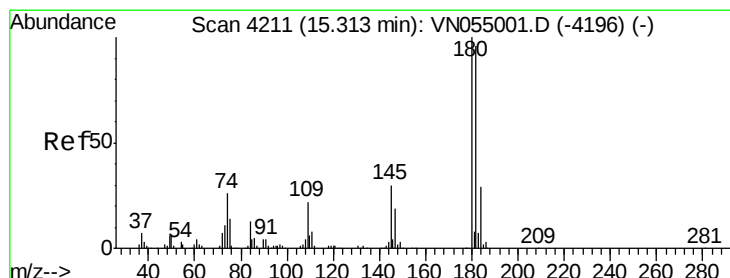
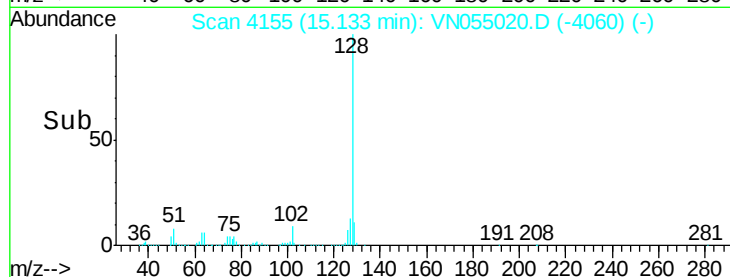
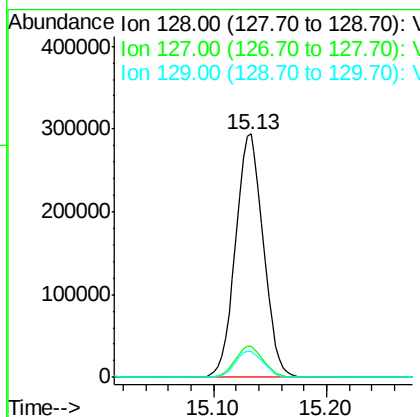
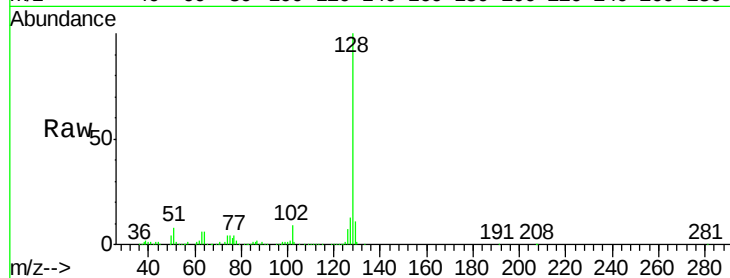
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	503505
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	11.0	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 49.134 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion:	180	Resp:	203468
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.0	144.0
145	31.0	15.3	45.9

