

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070119\
 Data File : VN056573.D
 Acq On : 1 Jul 2019 15:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:16:10 AM

Quant Time: Jul 02 01:59:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	329244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	502385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	181227	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.59	113	157819	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	10.09	98	592718	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	207635	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	123603	44.336	ug/l	99
3) Chloromethane	2.06	50	168237	44.320	ug/l	99
4) Vinyl Chloride	2.18	62	163371	44.560	ug/l	100
5) Bromomethane	2.52	94	91895m	42.754	ug/l	
6) Chloroethane	2.67	64	98538m	46.410	ug/l	
7) Trichlorofluoromethane	3.00	101	217876	45.940	ug/l	100
8) Diethyl Ether	3.40	74	95614	47.636	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	142476	47.108	ug/l	99
10) Methyl Iodide	3.94	142	194739	47.640	ug/l	99
11) Tert butyl alcohol	4.80	59	155866	253.609	ug/l	99
12) 1,1-Dichloroethene	3.73	96	134567	46.267	ug/l	96
13) Acrolein	3.60	56	99858	192.780	ug/l	99
14) Allyl chloride	4.32	41	240754	49.726	ug/l	99
15) Acrylonitrile	4.99	53	442270	260.118	ug/l	99
16) Acetone	3.82	43	388129	212.299	ug/l	100
17) Carbon Disulfide	4.04	76	255445	38.614	ug/l	98
18) Methyl Acetate	4.32	43	190127	53.152	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	483179	50.205	ug/l	98
20) Methylene Chloride	4.55	84	166328	48.229	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	142881	45.565	ug/l	98
22) Diisopropyl ether	5.95	45	512687	50.422	ug/l	96
23) Vinyl Acetate	5.89	43	2138034	266.595	ug/l	100
24) 1,1-Dichloroethane	5.84	63	290070	49.697	ug/l	100
25) 2-Butanone	6.84	43	599963	247.953	ug/l	99
26) 2,2-Dichloropropane	6.82	77	206133	50.778	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	181503	49.473	ug/l	99
28) Bromochloromethane	7.19	49	148306	51.370	ug/l	100
29) Tetrahydrofuran	7.21	42	390457	264.060	ug/l	98
30) Chloroform	7.37	83	292336	50.758	ug/l	100
31) Cyclohexane	7.65	56	245263	43.526	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	227143	49.755	ug/l	98
36) 1,1-Dichloropropene	7.79	75	203220	45.958	ug/l	99
37) Ethyl Acetate	6.93	43	231478	53.268	ug/l	98
38) Carbon Tetrachloride	7.77	117	190619	49.296	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	243087	44.552	ug/l	99
40) Benzene	8.04	78	653172	48.021	ug/l	98
41) Methacrylonitrile	7.17	41	99495	51.850	ug/l	95
42) 1,2-Dichloroethane	8.12	62	218938	48.774	ug/l	100
43) Isopropyl Acetate	8.16	43	356384	53.186	ug/l #	92
44) Trichloroethene	8.83	130	174957	47.751	ug/l	97
45) 1,2-Dichloropropane	9.12	63	183782	50.523	ug/l	97
46) Dibromomethane	9.21	93	115413	50.713	ug/l	97
47) Bromodichloromethane	9.40	83	213425	52.876	ug/l	99
48) Methyl methacrylate	9.20	41	171736	51.144	ug/l	98
49) 1,4-Dioxane	9.20	88	71666	1028.450	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1144222	264.565	ug/l	100
52) Toluene	10.16	92	402570	48.410	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	225114	48.007	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	258898	53.264	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	174411	52.178	ug/l	99
56) Ethyl methacrylate	10.43	69	259067	53.034	ug/l	99
57) 1,3-Dichloropropane	10.71	76	288910	51.450	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	353900	201.661	ug/l	99
59) 2-Hexanone	10.75	43	801592	252.179	ug/l	99
60) Dibromochloromethane	10.90	129	172516	50.202	ug/l	98
61) 1,2-Dibromoethane	11.00	107	177003	51.847	ug/l	100
64) Tetrachloroethene	10.63	164	168393	46.613	ug/l	99
65) Chlorobenzene	11.43	112	436633	47.634	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	162396	52.420	ug/l	99
67) Ethyl Benzene	11.51	91	764686	47.512	ug/l	99
68) m/p-Xylenes	11.62	106	573542	97.237	ug/l	99
69) o-Xylene	11.95	106	284409	48.738	ug/l	99
70) Styrene	11.96	104	477115	51.151	ug/l	99
71) Bromoform	12.13	173	120162	48.200	ug/l #	99
73) Isopropylbenzene	12.25	105	756340	52.816	ug/l	99
74) N-amyl acetate	12.07	43	291851	47.960	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	247297	55.990	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	211931m	53.454	ug/l	
77) Bromobenzene	12.52	156	197399	46.171	ug/l	98
78) n-propylbenzene	12.59	91	818009	46.717	ug/l	100
79) 2-Chlorotoluene	12.67	91	500361	52.226	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	615447	51.199	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	60669	54.386	ug/l	95
82) 4-Chlorotoluene	12.77	91	479957	46.424	ug/l	99
83) tert-Butylbenzene	12.99	119	556737	53.276	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	593422	46.102	ug/l	100
85) sec-Butylbenzene	13.17	105	713666	46.371	ug/l	100
86) p-Isopropyltoluene	13.29	119	614831	46.550	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	313643	48.408	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	294434	46.922	ug/l	100
89) n-Butylbenzene	13.61	91	438191	43.824	ug/l	99
90) Hexachloroethane	13.87	117	105310	51.142	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	312155	48.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36893	52.146	ug/l	97

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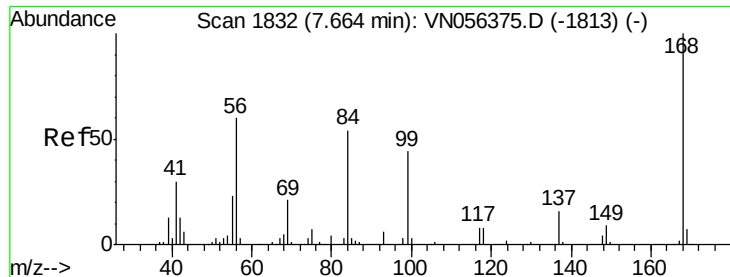
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	119619	37.335	ug/l	99
94) Hexachlorobutadiene	15.01	225	108139	49.626	ug/l	99
95) Naphthalene	15.13	128	322766	38.267	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	133597	39.545	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 329244

Ion Ratio Lower Upper

168 100

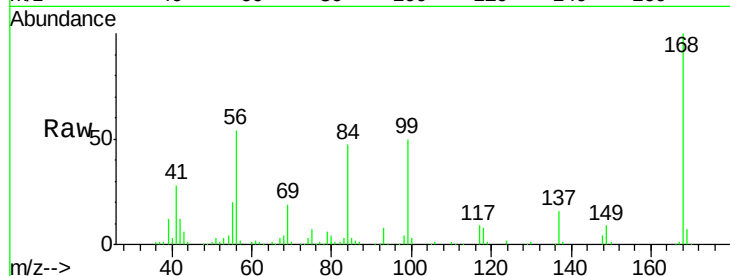
99 49.8 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

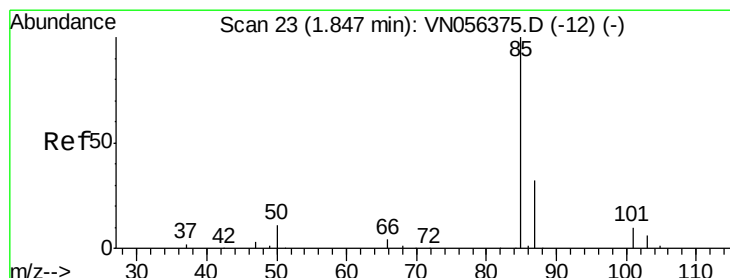
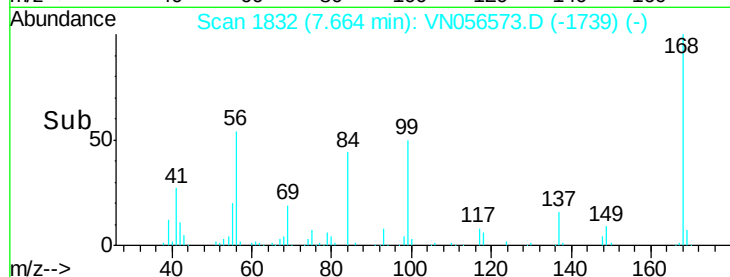
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.336 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056573.D

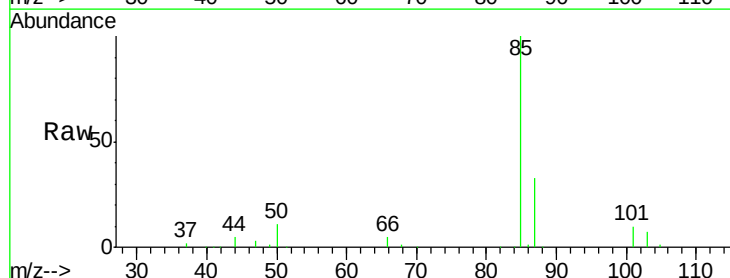
Acq: 1 Jul 2019 15:35

Tgt Ion: 85 Resp: 123603

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

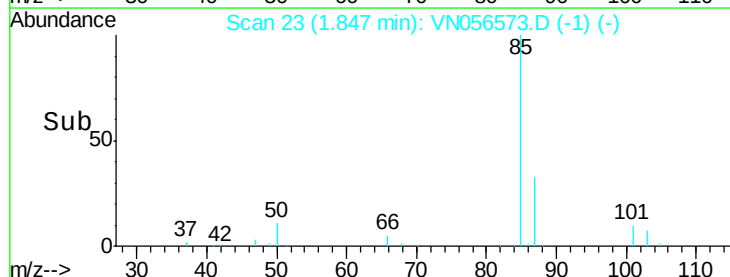
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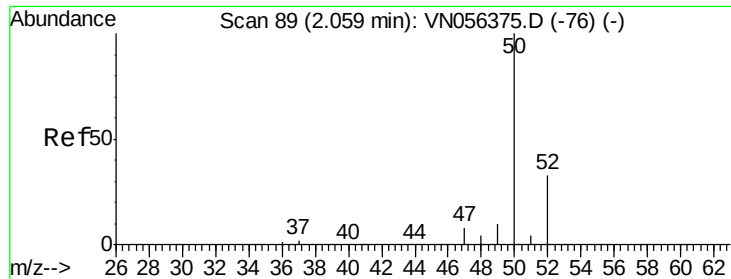
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.320 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 168237

Ion Ratio Lower Upper

50 100

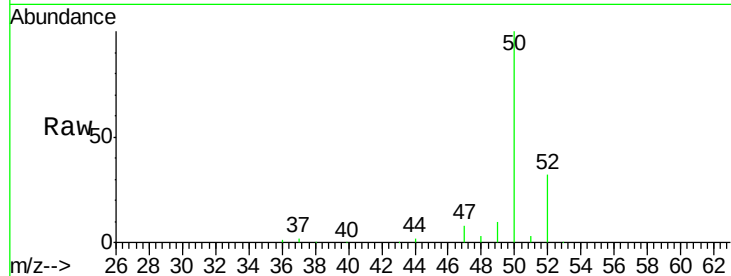
52 32.4 26.5 39.7

Manual Integrations

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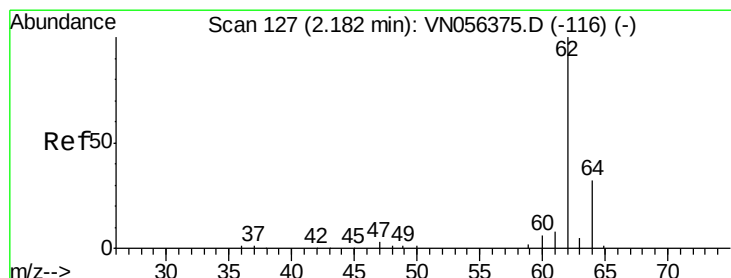
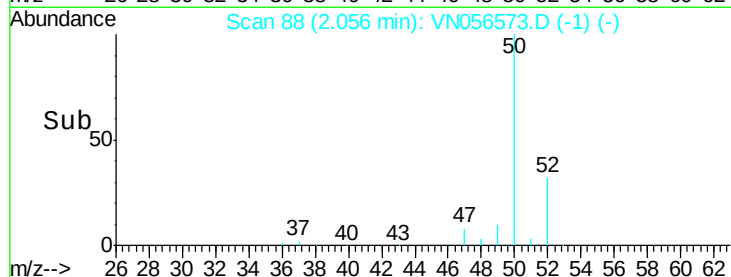
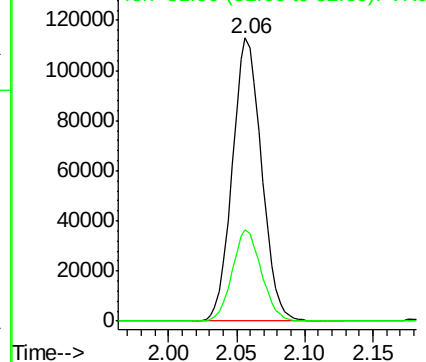
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 44.560 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056573.D

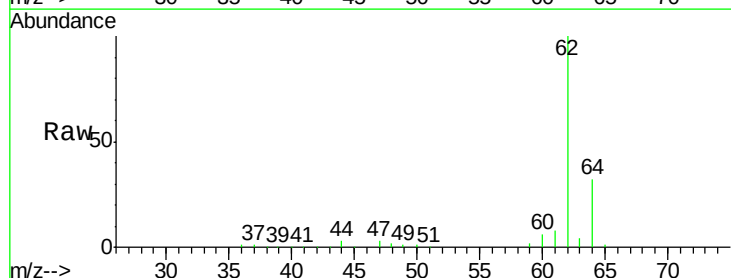
Acq: 1 Jul 2019 15:35

Tgt Ion: 62 Resp: 163371

Ion Ratio Lower Upper

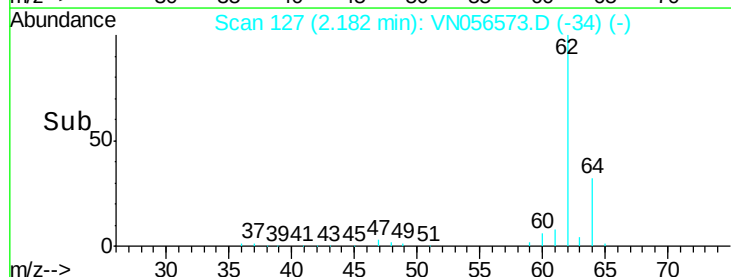
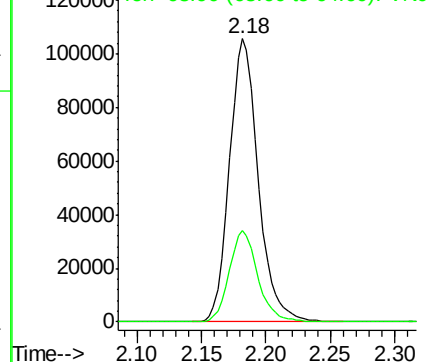
62 100

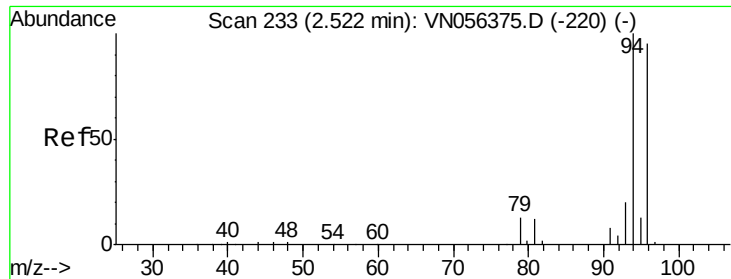
64 32.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





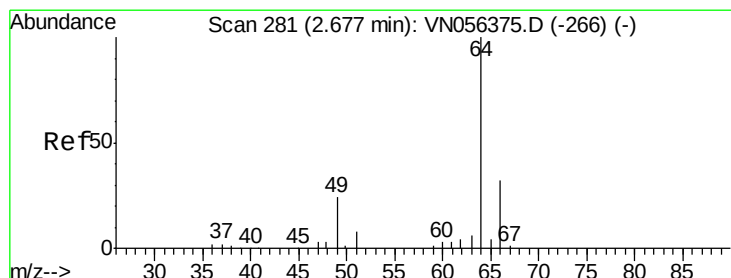
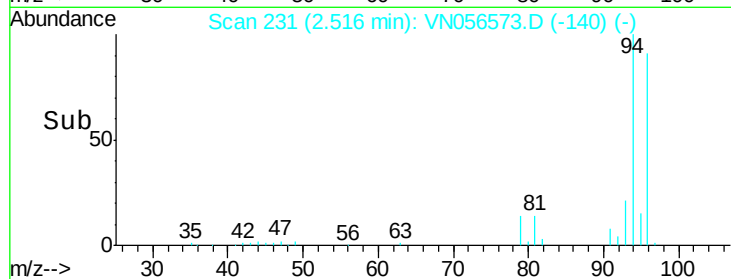
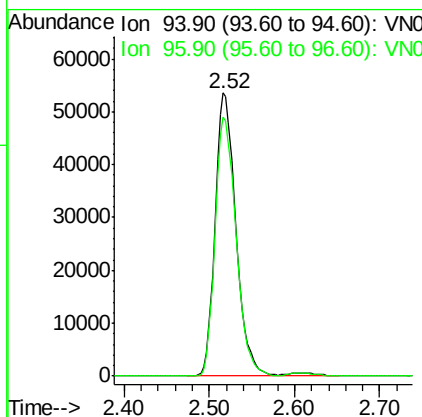
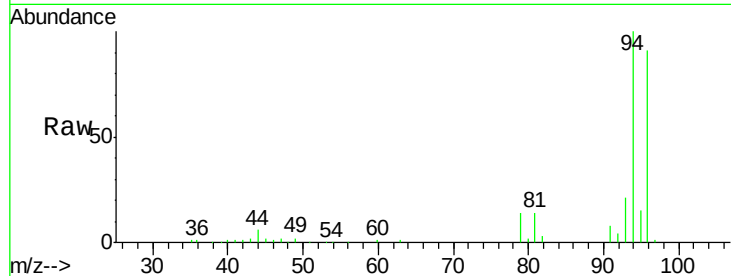
#5
Bromomethane
Concen: 42.754 ug/l m
RT: 2.52 min Scan# 231
Delta R.T. -0.01 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
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Tot Ion: 94 Resp: 91895
Ion Ratio Lower Upper
94 100
96 91.4 76.0 114.0

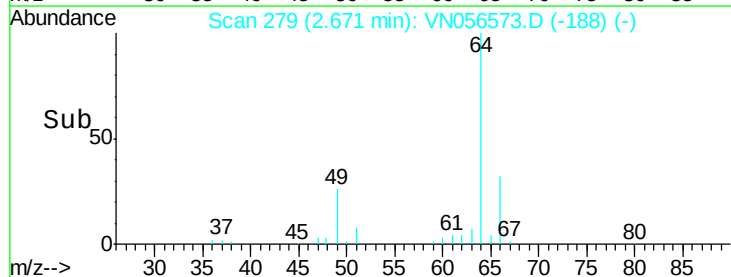
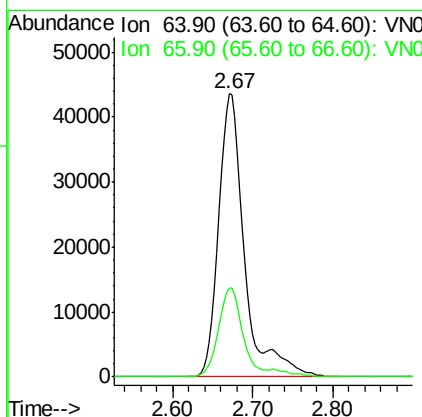
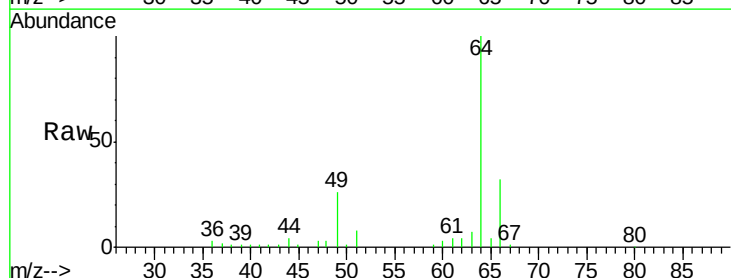
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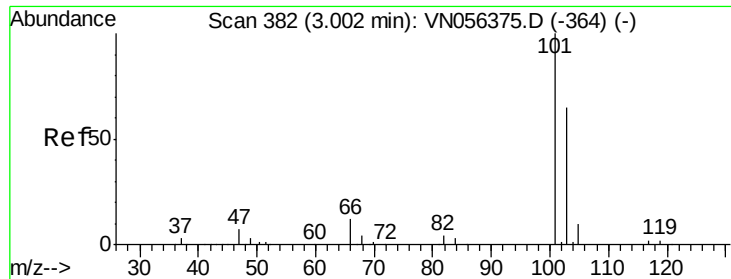
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#6
Chloroethane
Concen: 46.410 ug/l m
RT: 2.67 min Scan# 279
Delta R.T. -0.01 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 64 Resp: 98538
Ion Ratio Lower Upper
64 100
66 31.6 25.8 38.8





#7

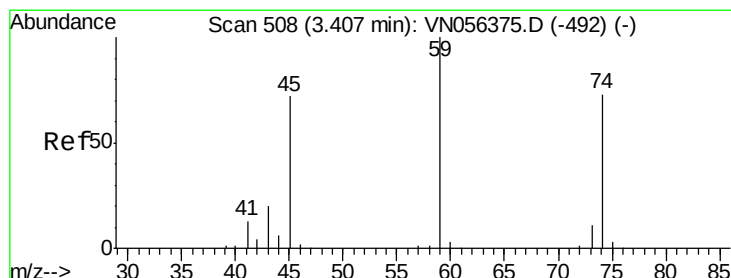
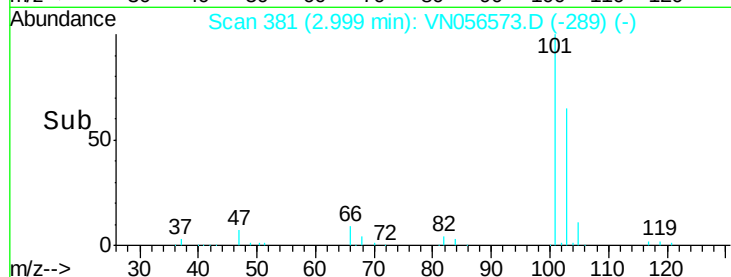
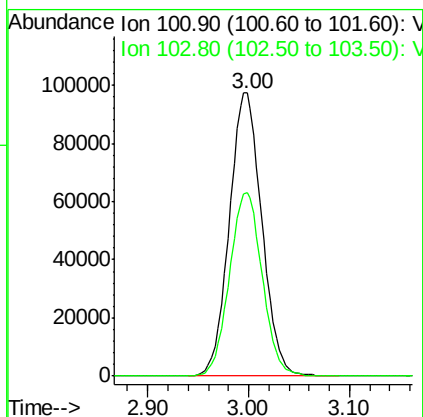
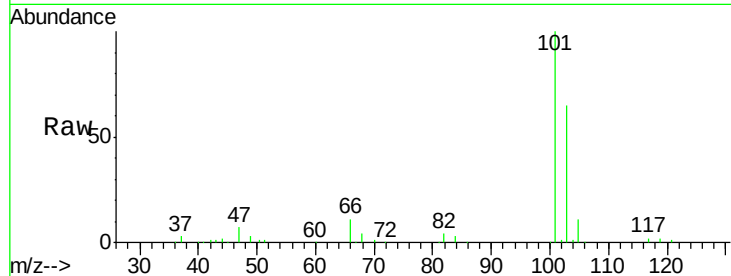
Trichlorofluoromethane
 Concen: 45.940 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 217876
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.7 77.5

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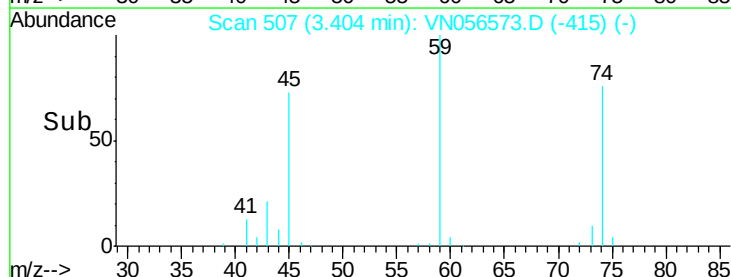
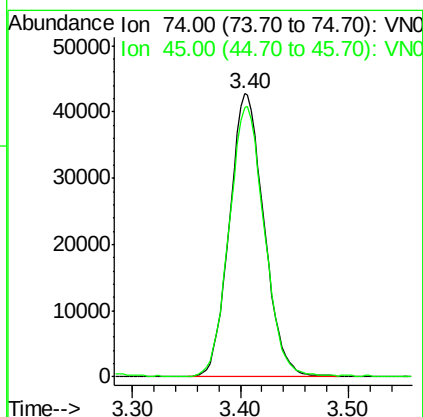
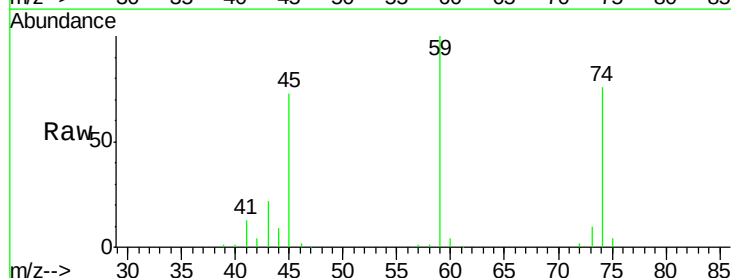
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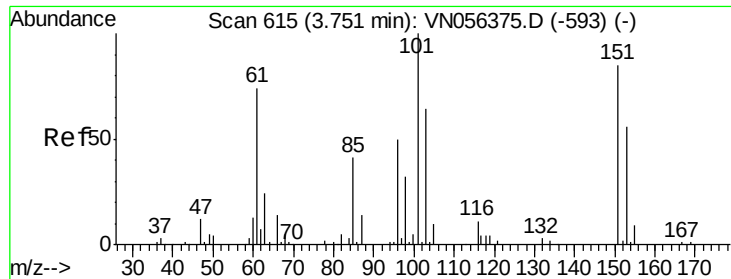


#8

Diethyl Ether
 Concen: 47.636 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion: 74 Resp: 95614
 Ion Ratio Lower Upper
 74 100
 45 97.6 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.108 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

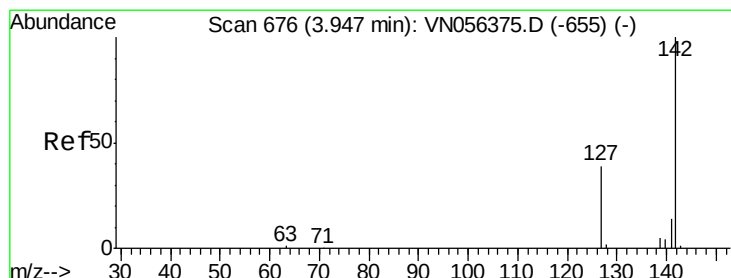
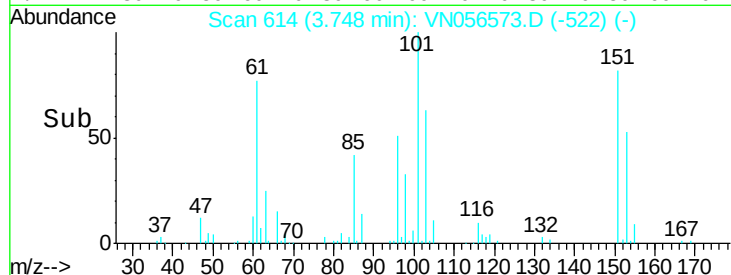
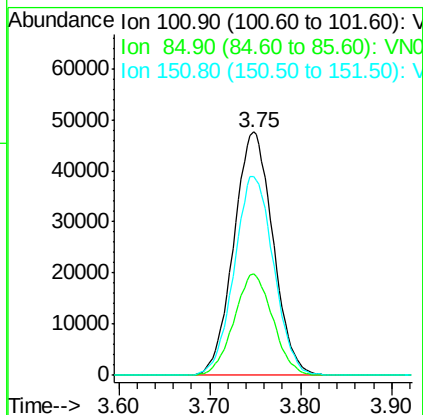
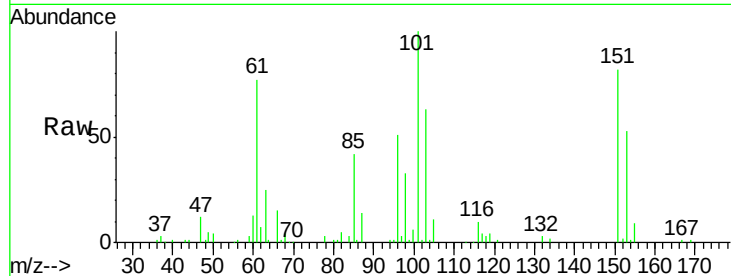
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	142476
Ion Ratio	Lower	Upper	
101	100		
85	41.1	32.7	49.1
151	82.1	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 47.640 ug/l

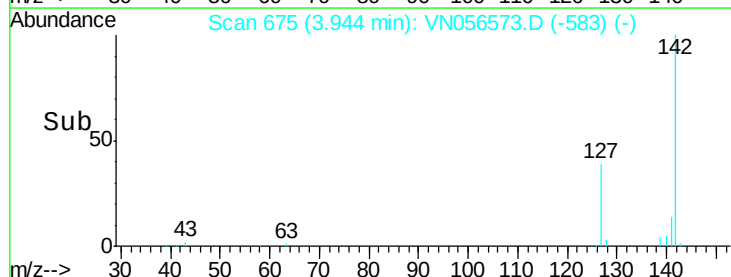
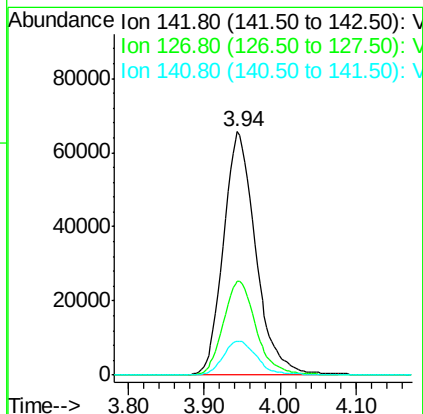
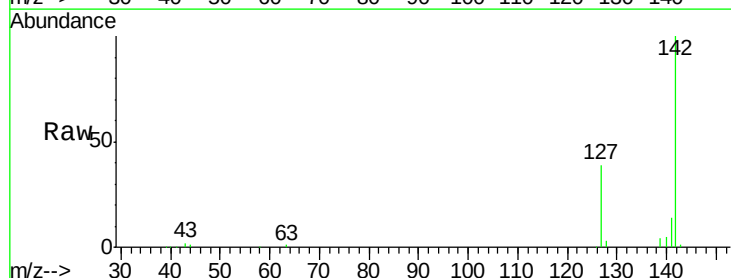
RT: 3.94 min Scan# 675

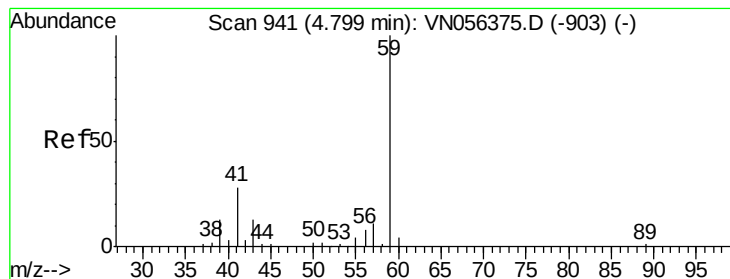
Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Tgt Ion:	142	Resp:	194739
Ion Ratio	Lower	Upper	
142	100		
127	39.2	30.6	46.0
141	14.5	11.4	17.2





#11

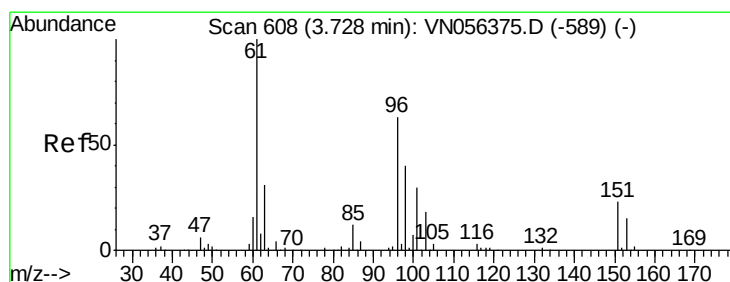
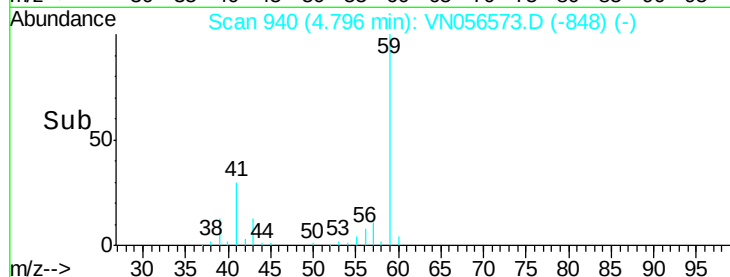
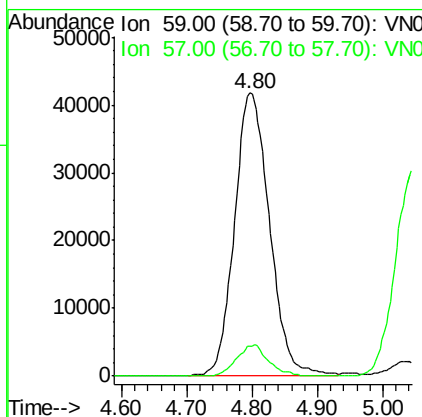
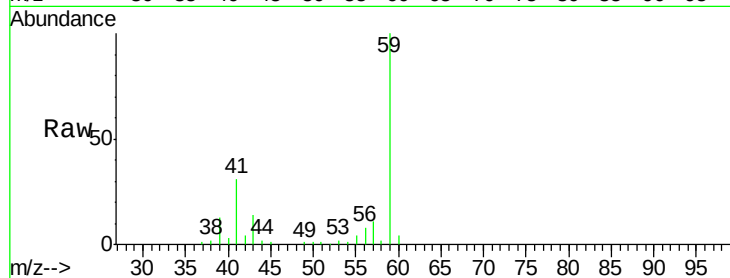
Tert butyl alcohol
 Concen: 253.609 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	155866		
57	9.9		7.6	11.4

Manual Integrations
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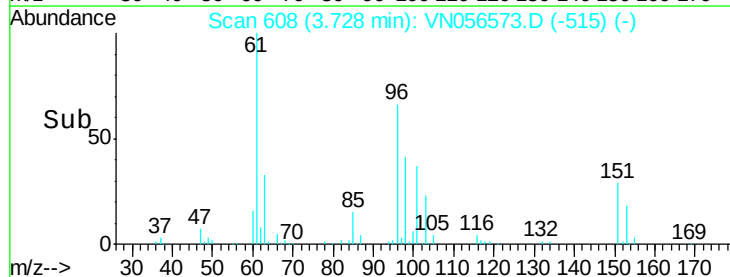
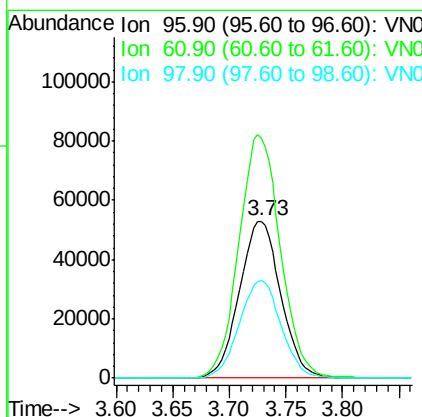
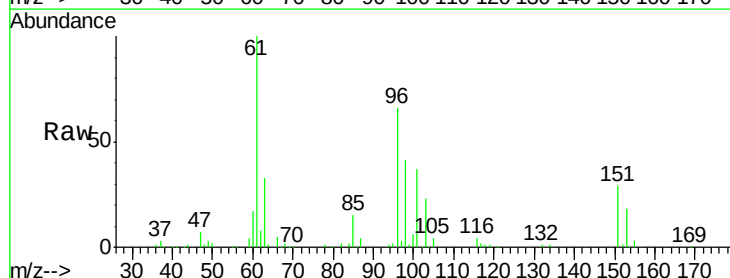
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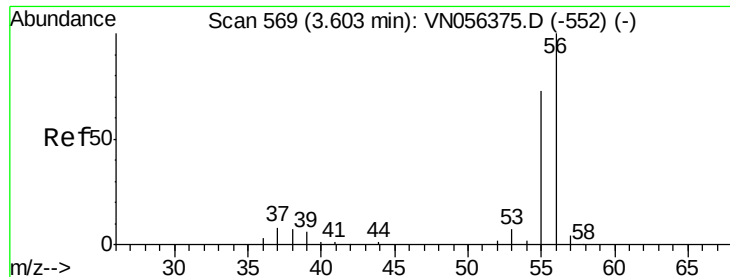


#12

1,1-Dichloroethene
 Concen: 46.267 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	134567		
61	152.6		126.6	190.0
98	62.1		51.1	76.7





#13

Acrolein

Concen: 192.780 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Tot Ion: 56 Resp: 99858

Ion Ratio Lower Upper

56 100

55 71.0 57.1 85.7

Instrument :

MSVOA_N

ClientSampleId :

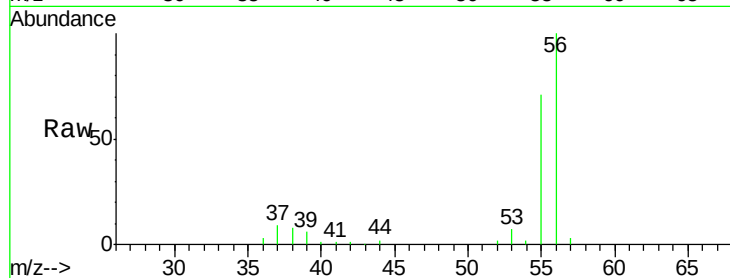
VSTDCCC050EC

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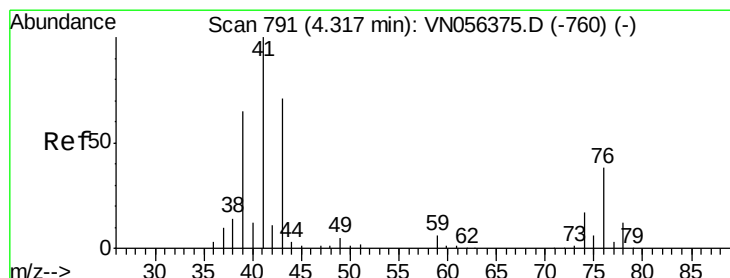
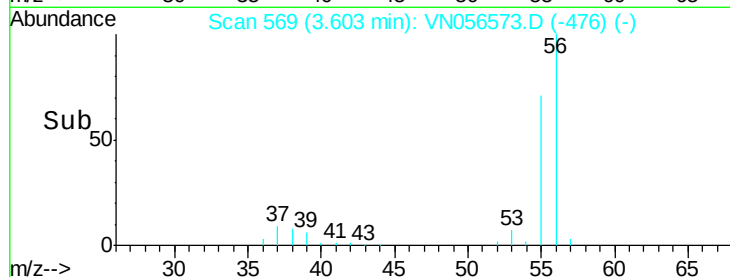
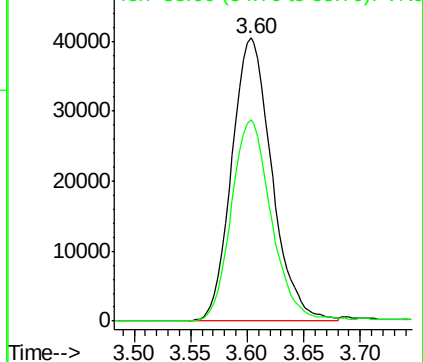
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.726 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

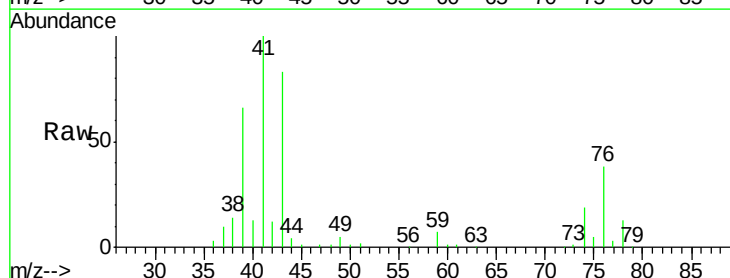
Tgt Ion: 41 Resp: 240754

Ion Ratio Lower Upper

41 100

39 60.0 48.6 73.0

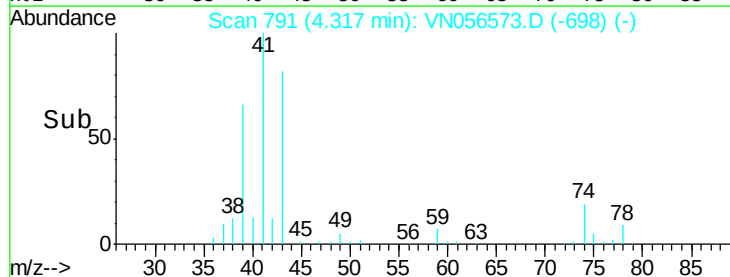
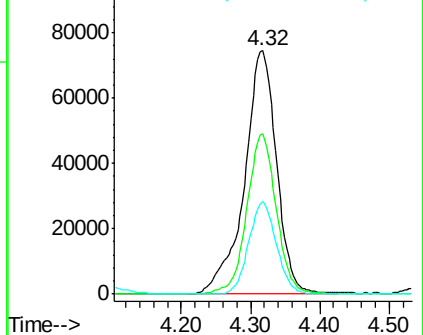
76 32.5 26.6 40.0

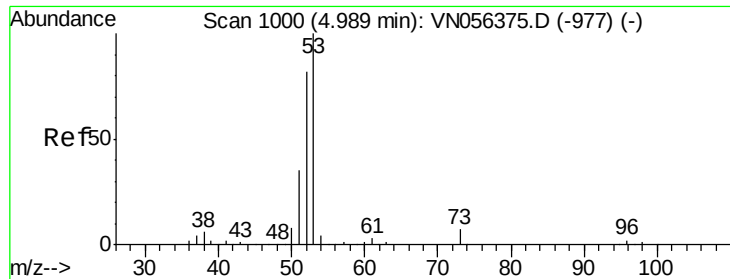


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





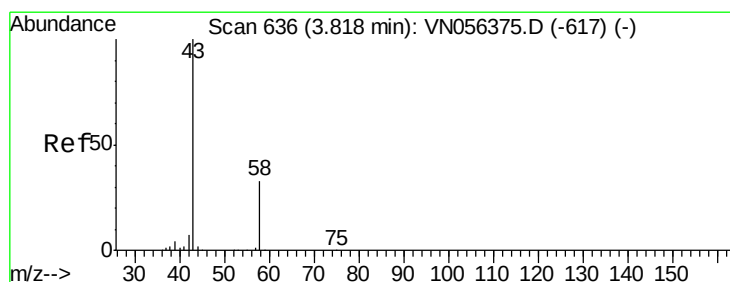
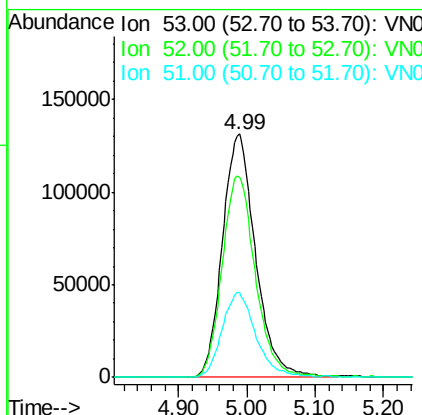
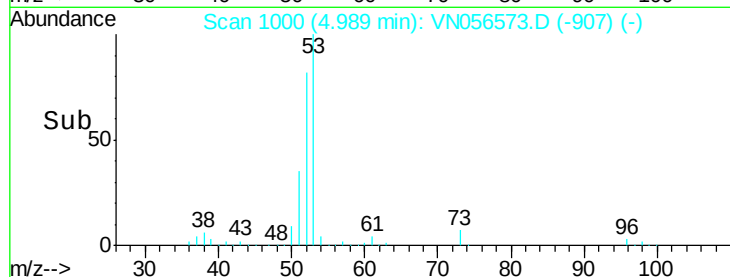
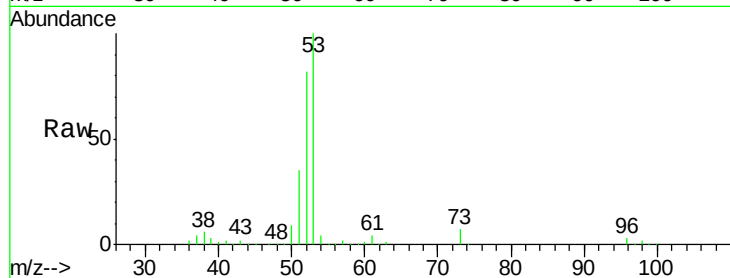
#15
 Acrylonitrile
 Concen: 260.118 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.9	98.9
51	35.5	28.3	42.5

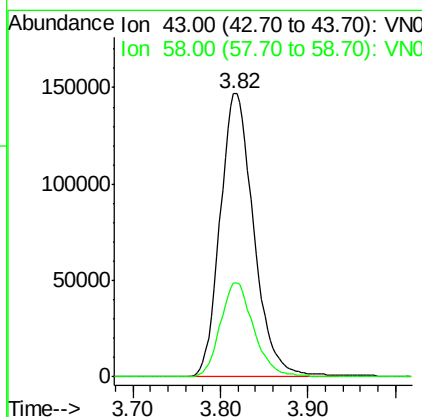
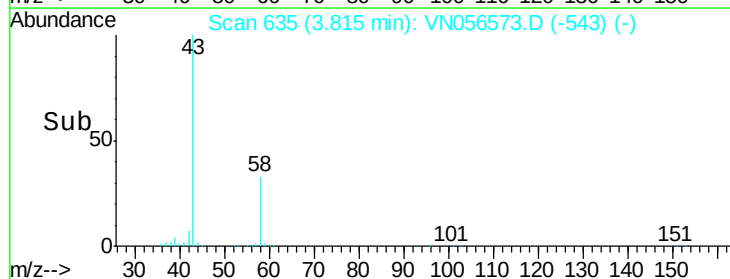
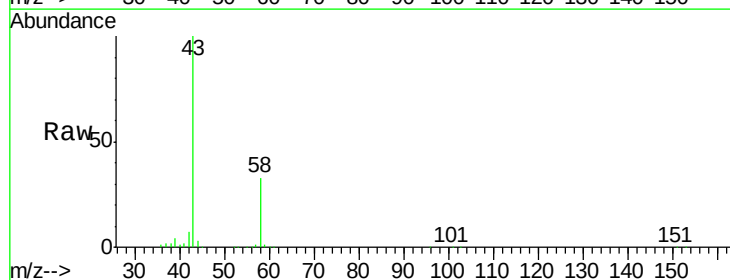
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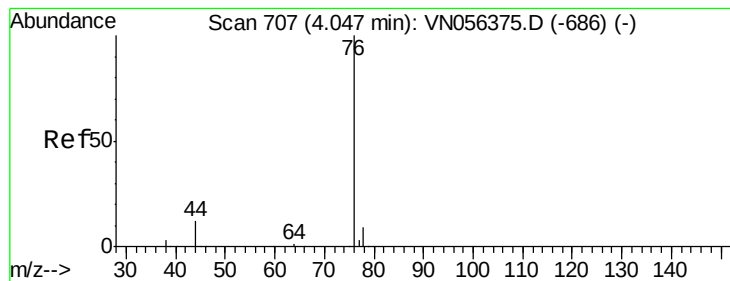
MMDadoda
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#16
 Acetone
 Concen: 212.299 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.4	39.6





#17

Carbon Disulfide

Concen: 38.614 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Tot Ion: 76 Resp: 255445

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7

Instrument :

MSVOA_N

ClientSampleId :

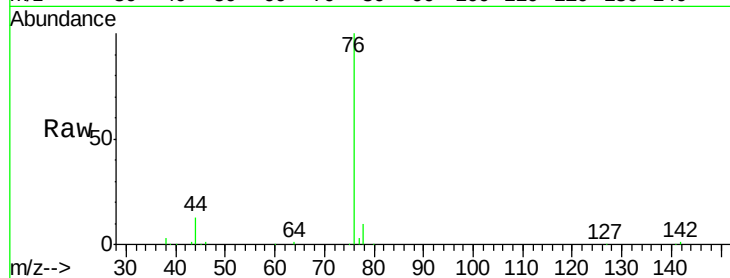
VSTDCCC050EC

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.04

100000

80000

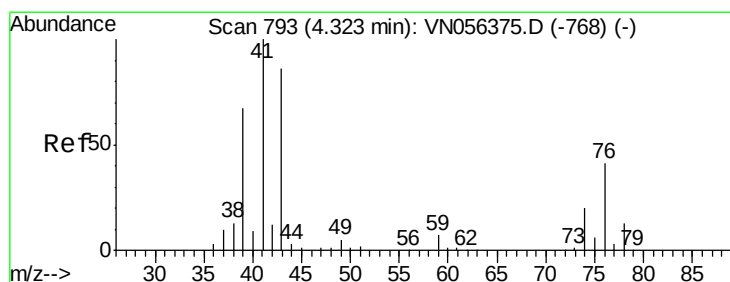
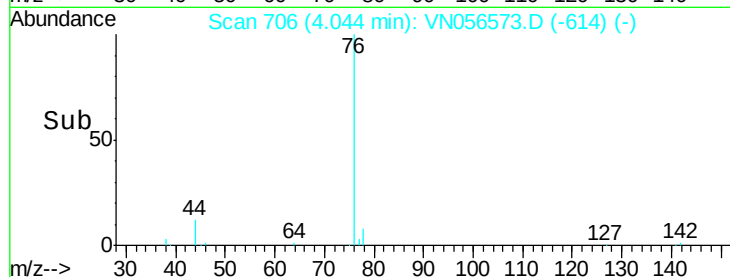
60000

40000

20000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 53.152 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056573.D

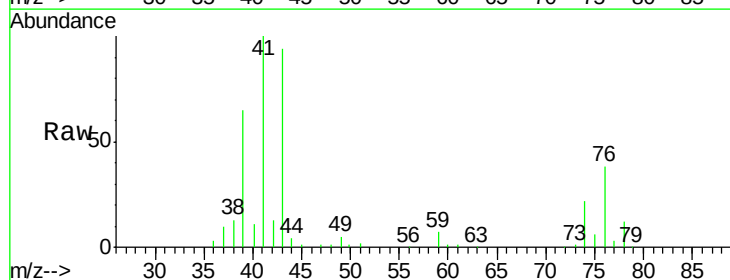
Acq: 1 Jul 2019 15:35

Tgt Ion: 43 Resp: 190127

Ion Ratio Lower Upper

43 100

74 23.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.32

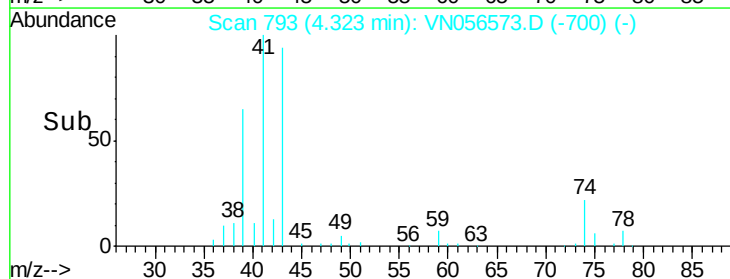
60000

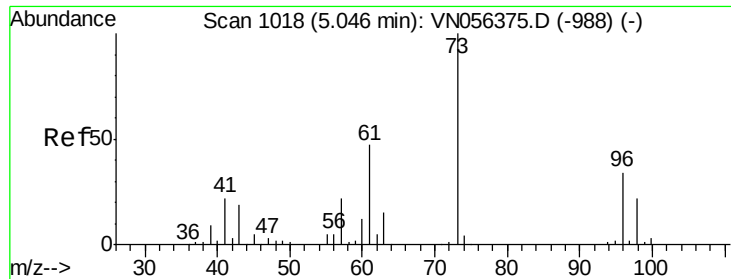
40000

20000

0

Time--> 4.20 4.30 4.40 4.50





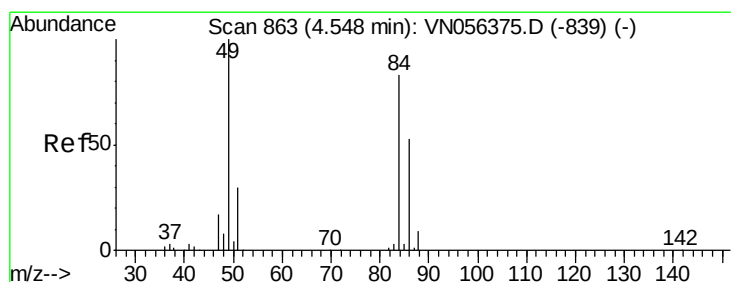
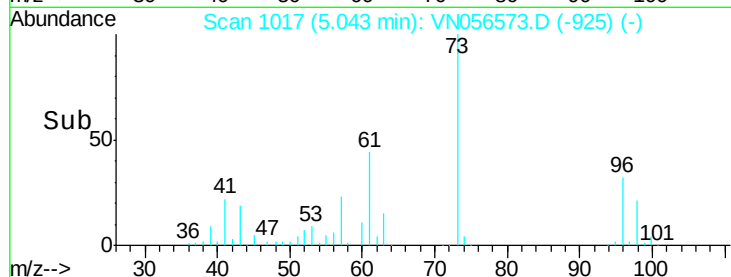
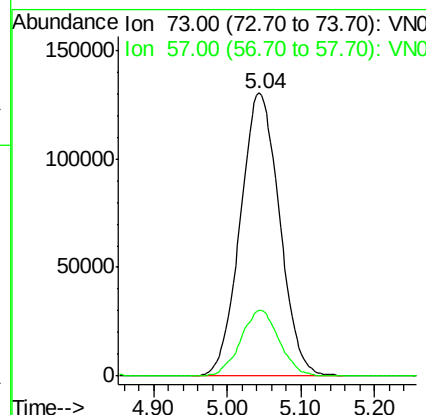
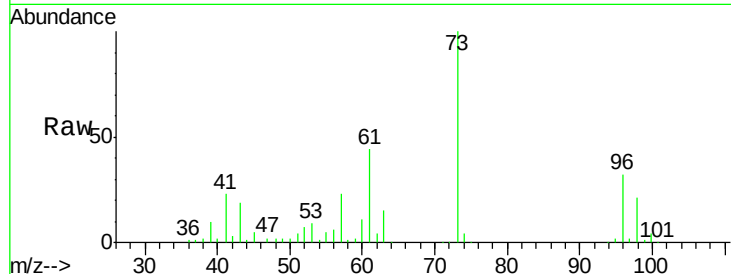
#19
Methyl tert-butyl Ether
Concen: 50.205 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 73 Resp: 483179
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9

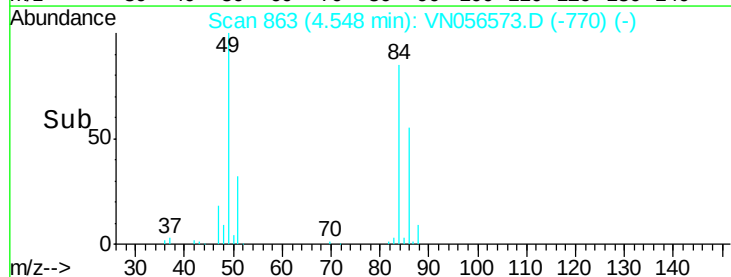
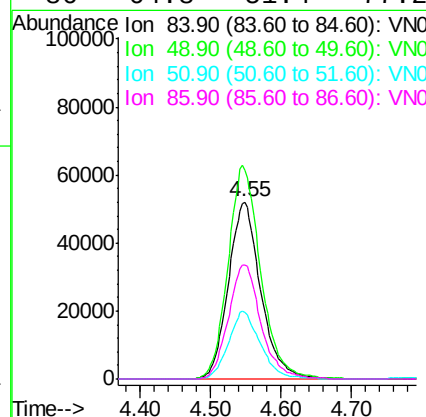
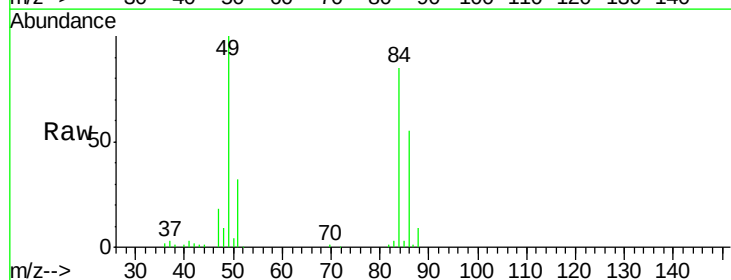
Manual Integrations
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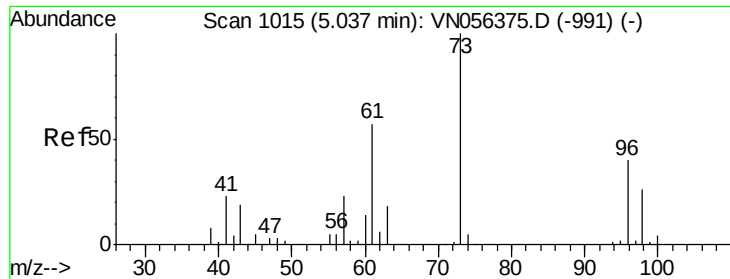
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#20
Methylene Chloride
Concen: 48.229 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 84 Resp: 166328
Ion Ratio Lower Upper
84 100
49 117.9 96.4 144.6
51 37.8 28.6 43.0
86 64.8 51.4 77.2





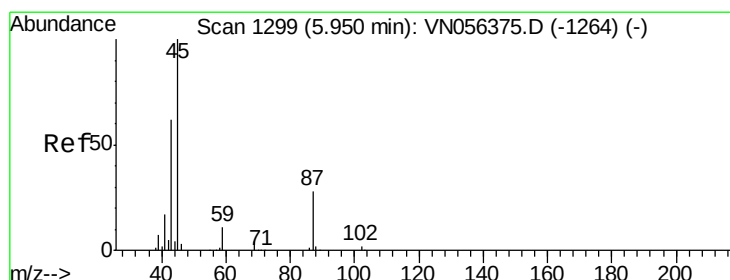
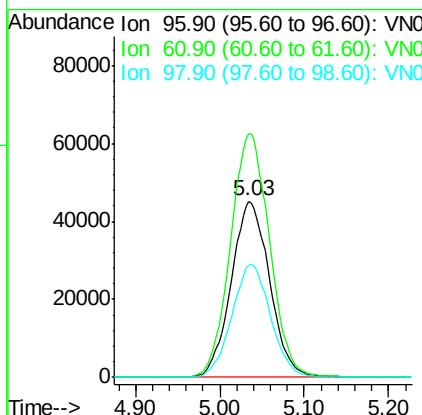
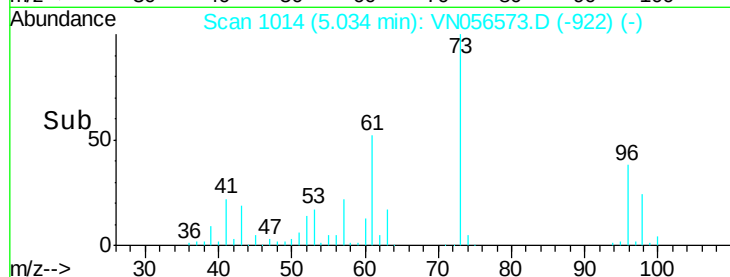
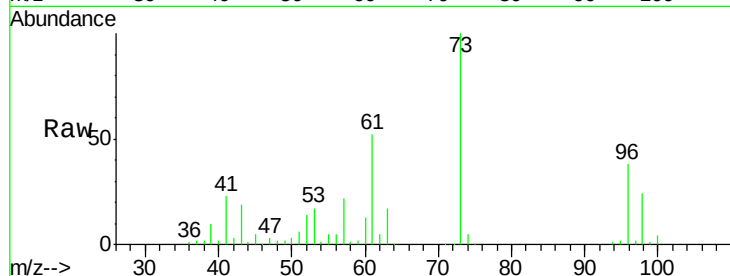
#21
trans-1,2-Dichloroethene
Concen: 45.565 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.2	113.0	169.6
98	63.8	52.2	78.2

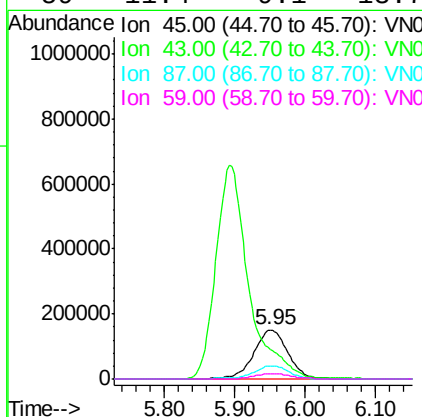
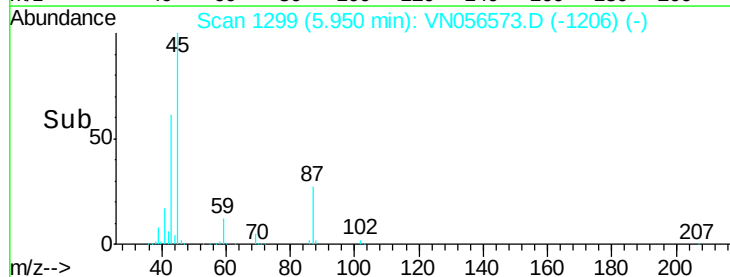
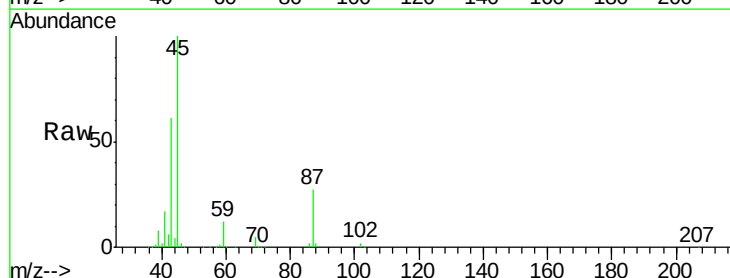
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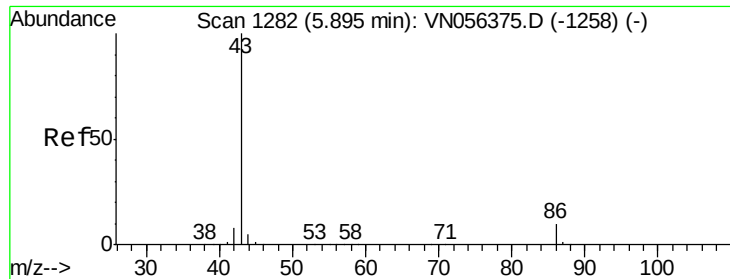
MMDadoda
7/3/2019 9:16:10 AM



#22
Diisopropyl ether
Concen: 50.422 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.1	50.4	75.6
87	27.0	23.0	34.4
59	11.4	9.1	13.7





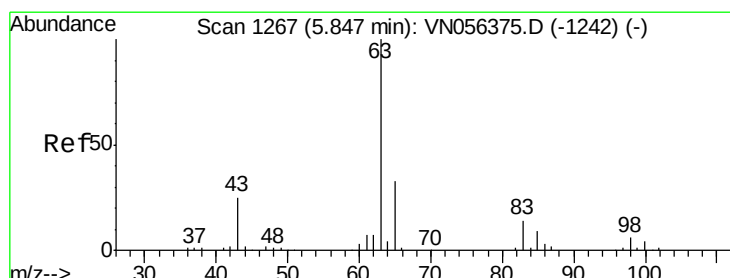
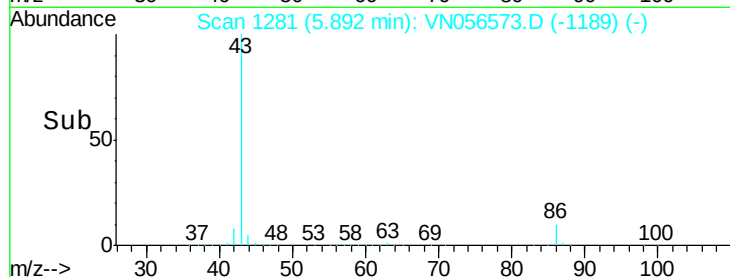
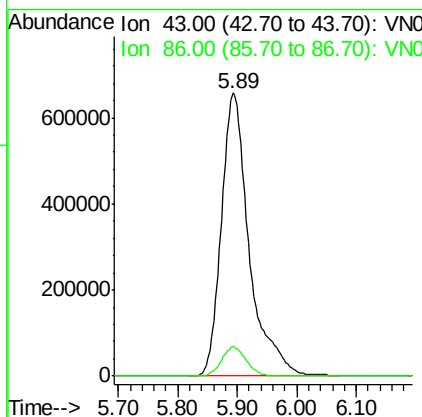
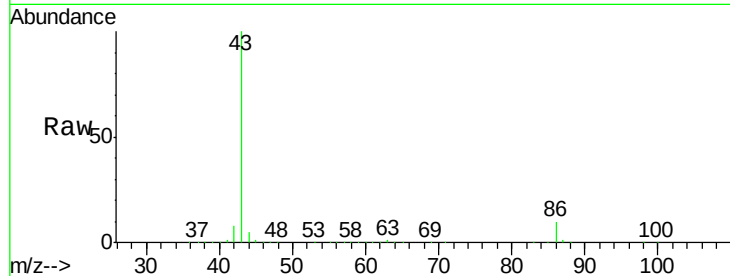
#23
 Vinyl Acetate
 Concen: 266.595 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2138034
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5

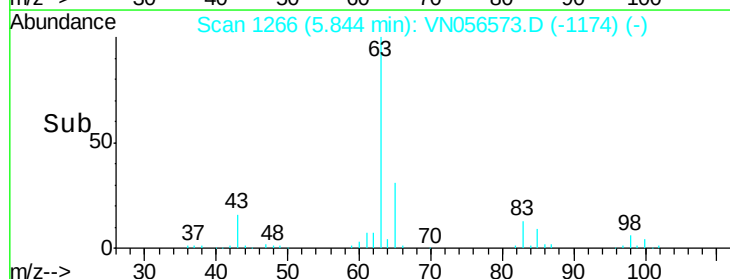
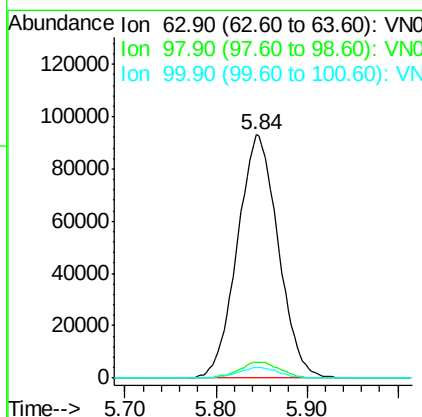
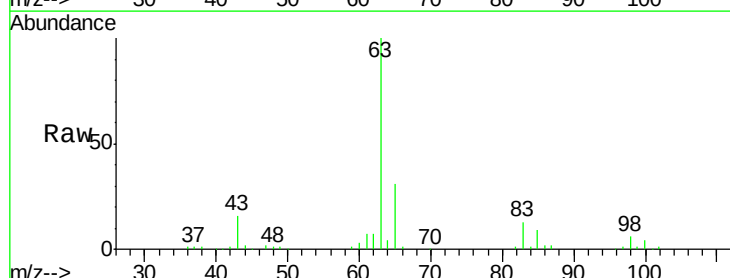
Manual Integrations
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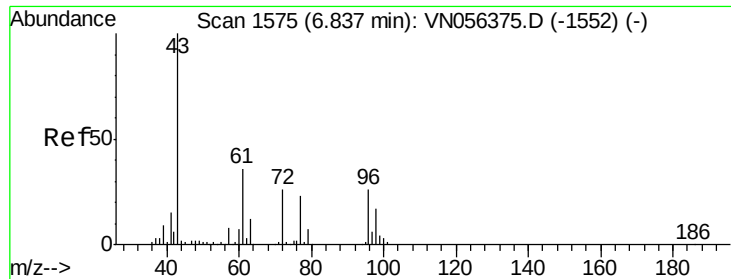
MMDadoda
 7/3/2019 9:16:10 AM



#24
 1,1-Dichloroethane
 Concen: 49.697 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion: 63 Resp: 290070
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.2 9.6
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 247.953 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 599963

Ion Ratio Lower Upper

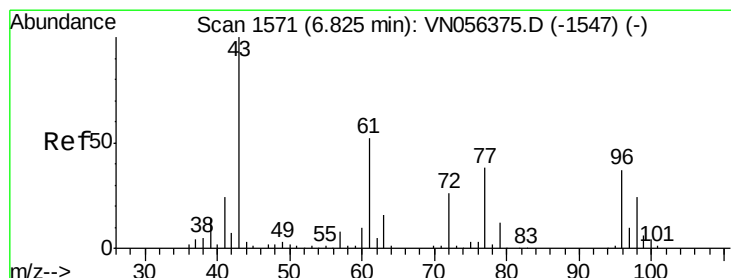
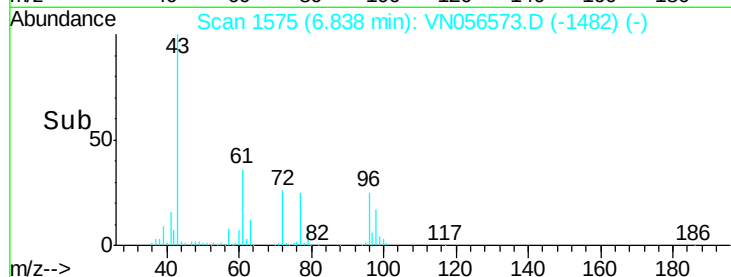
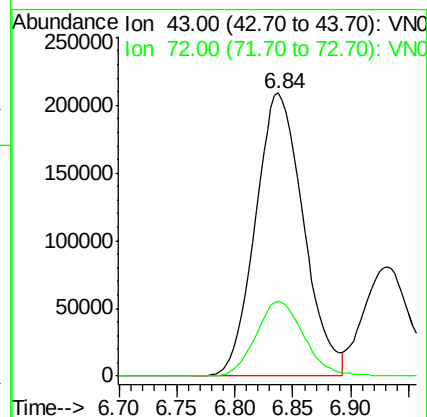
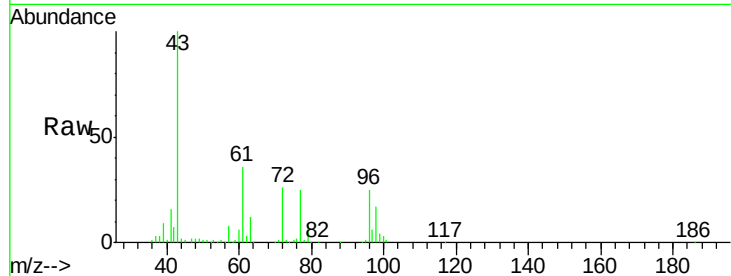
43 100

72 26.3 20.6 31.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 50.778 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056573.D

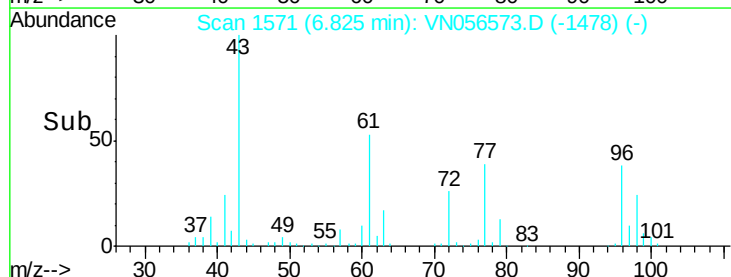
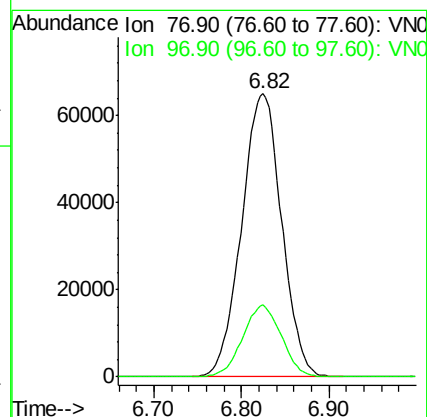
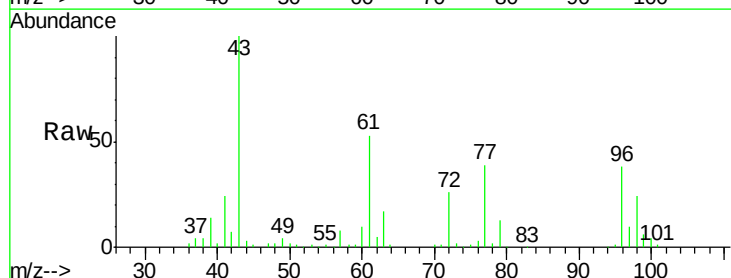
Acq: 1 Jul 2019 15:35

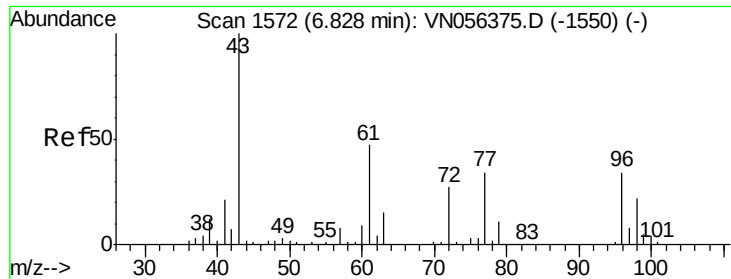
Tgt Ion: 77 Resp: 206133

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 49.473 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

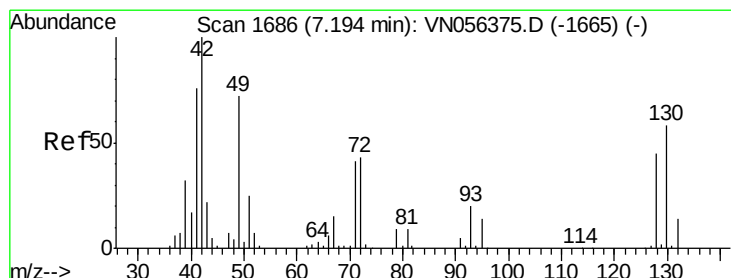
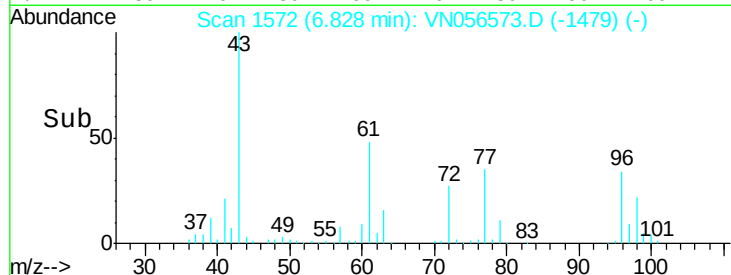
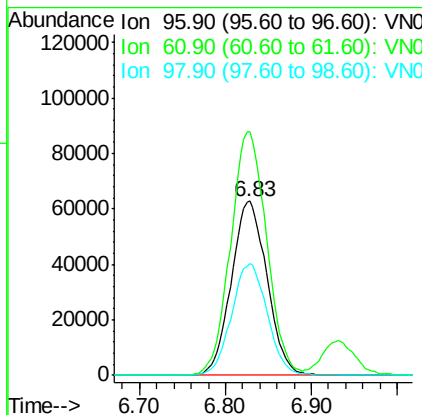
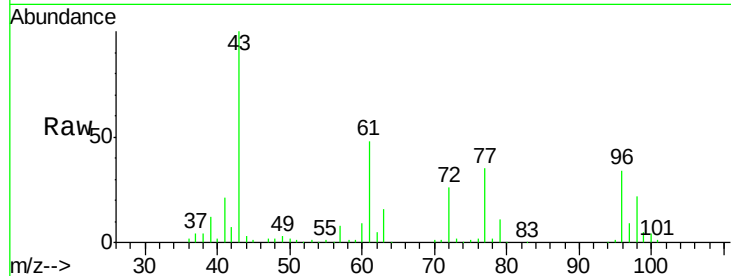
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	181503
Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	279.8
98	64.1	0.0	130.0

Manual Integrations
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7/3/2019 9:16:10 AM



#28

Bromochloromethane

Concen: 51.370 ug/l

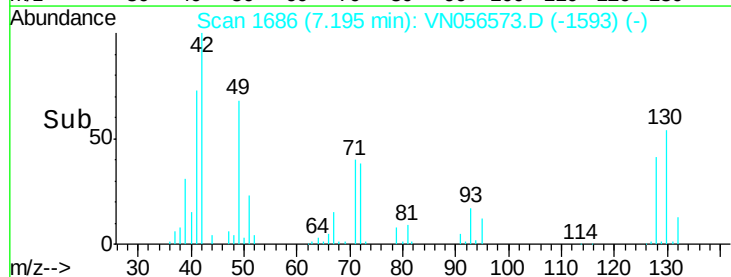
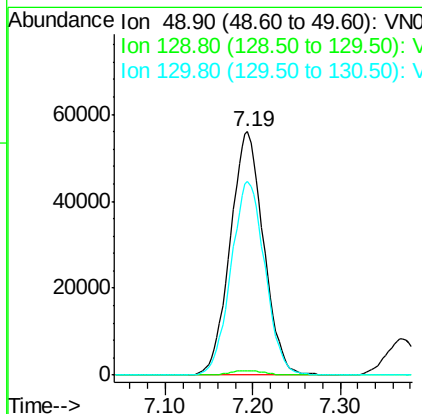
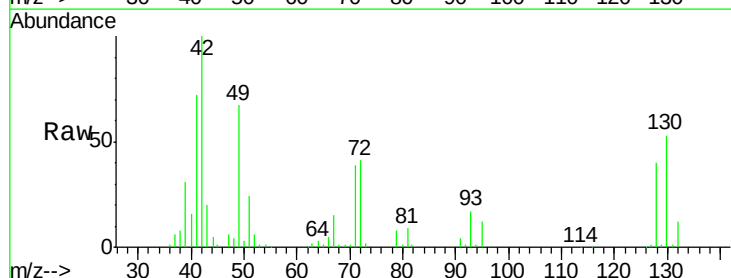
RT: 7.19 min Scan# 1686

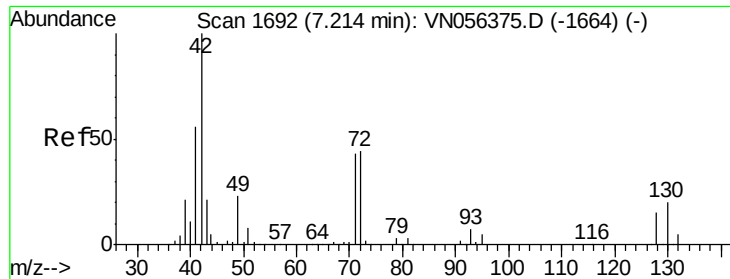
Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Tgt Ion:	49	Resp:	148306
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	80.9	64.9	97.3





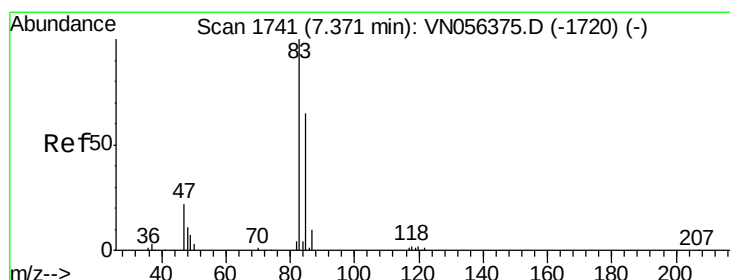
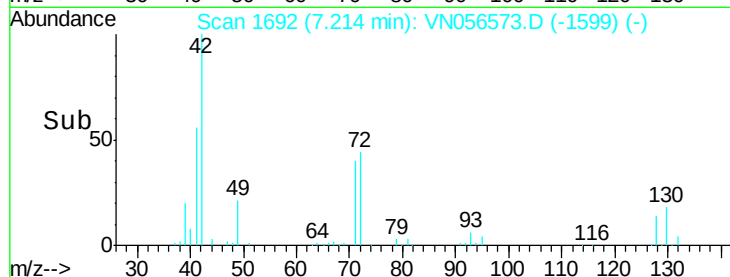
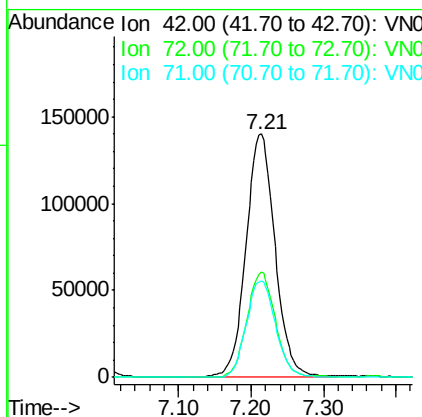
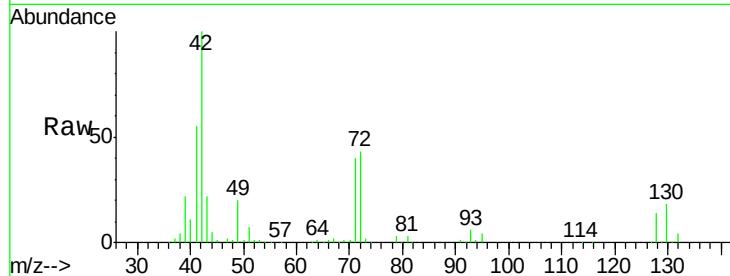
#29
Tetrahydrofuran
Concen: 264.060 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.7	52.1
71	40.1	33.0	49.6

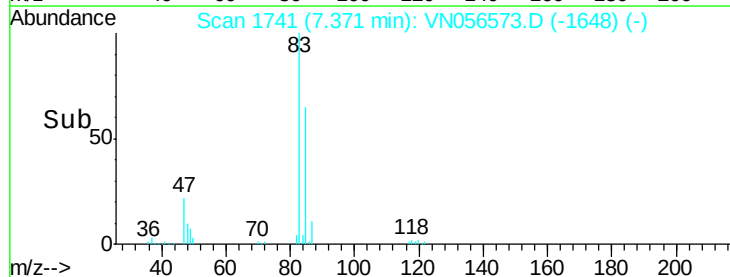
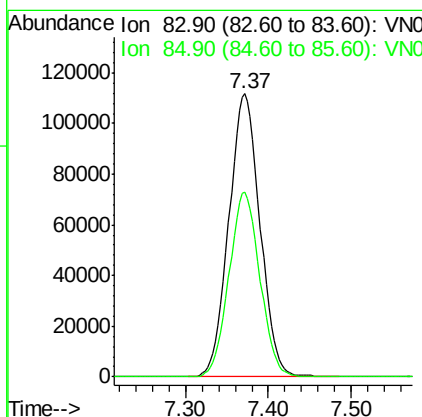
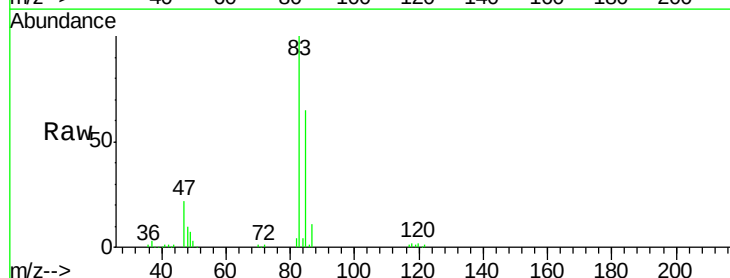
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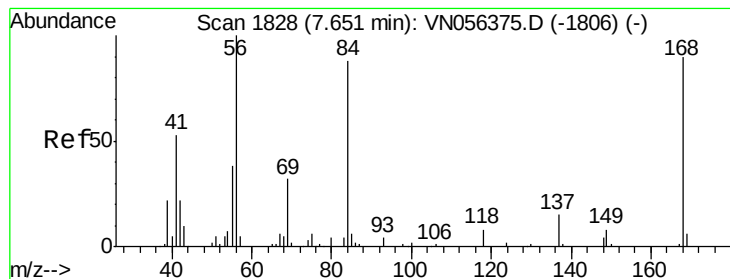
MMDadoda
7/3/2019 9:16:10 AM



#30
Chloroform
Concen: 50.758 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.3	78.5





#31

Cyclohexane

Concen: 43.526 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 245263

Ion Ratio Lower Upper

56 100

69 33.7 25.8 38.6

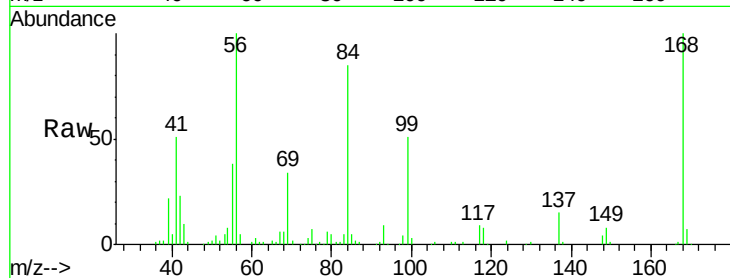
84 84.6 69.4 104.0

Manual Integrations

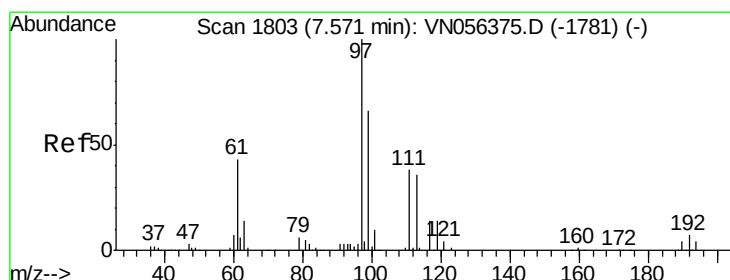
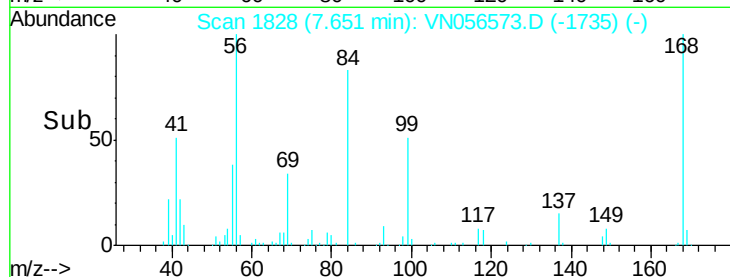
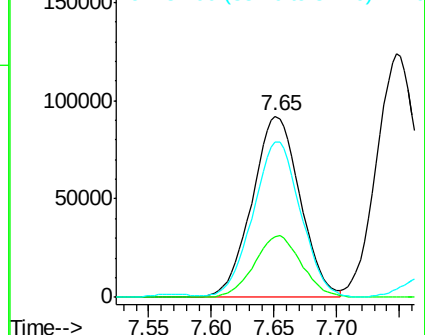
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 49.755 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

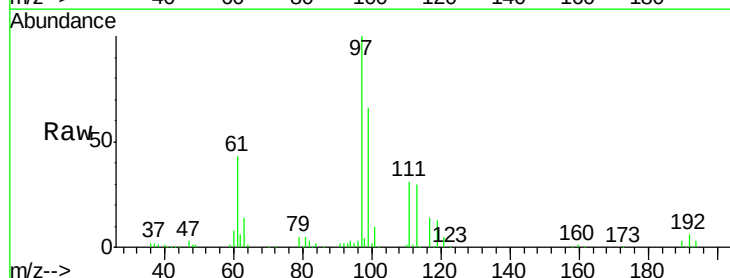
Tgt Ion: 97 Resp: 227143

Ion Ratio Lower Upper

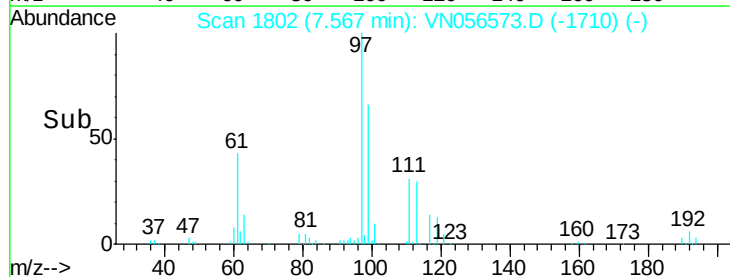
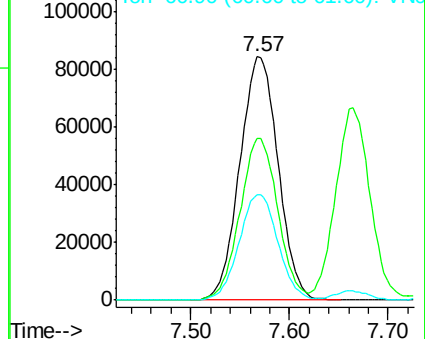
97 100

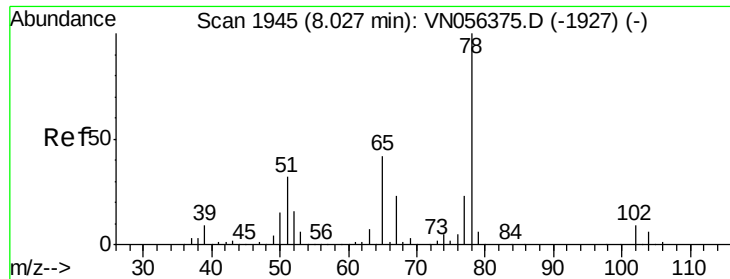
99 65.6 51.8 77.6

61 43.8 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





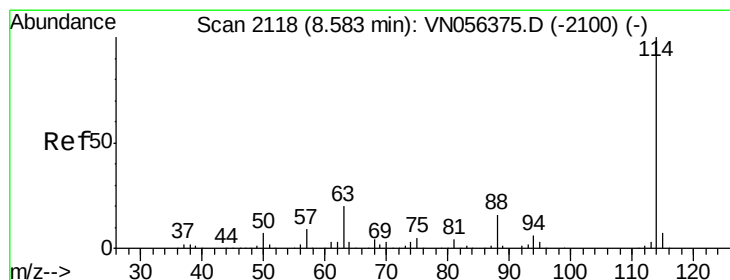
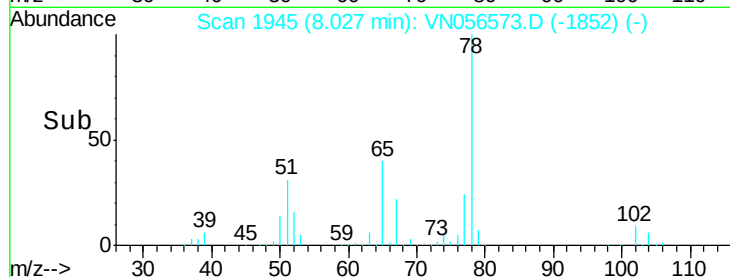
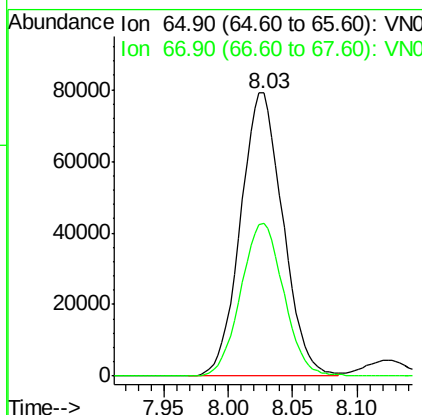
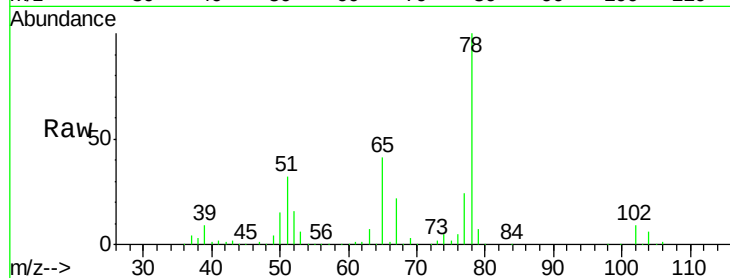
#33
 1,2-Dichloroethane-d4
 Concen: 49.664 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	181227		
67	54.6	0.0	109.0	

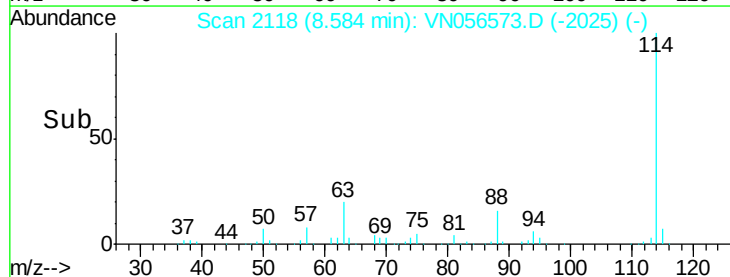
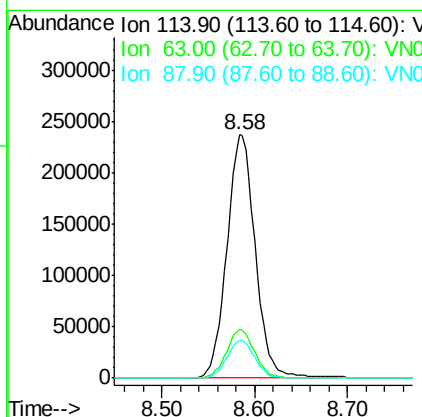
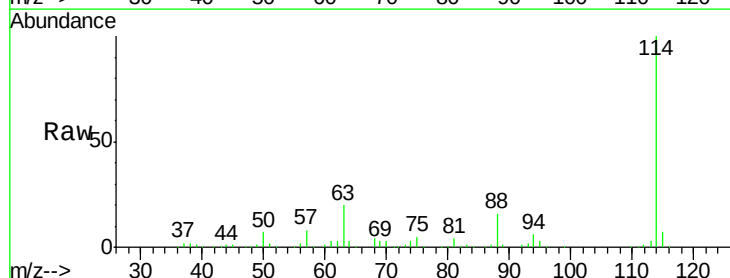
Manual Integrations
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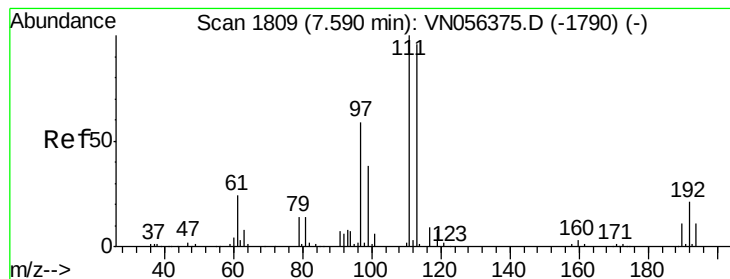
MMDadoda
 7/3/2019 9:16:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	502385		
63	19.9	0.0	39.2	
88	15.5	0.0	31.4	





#35

Dibromofluoromethane

Concen: 50.356 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 113 Resp: 157819

Ion Ratio Lower Upper

113 100

111 104.8 82.9 124.3

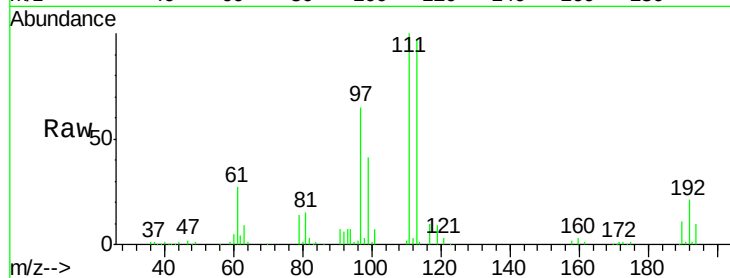
192 22.1 17.7 26.5

Manual Integrations

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MMDadoda

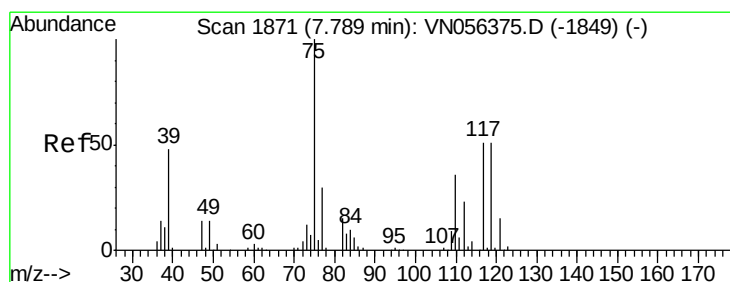
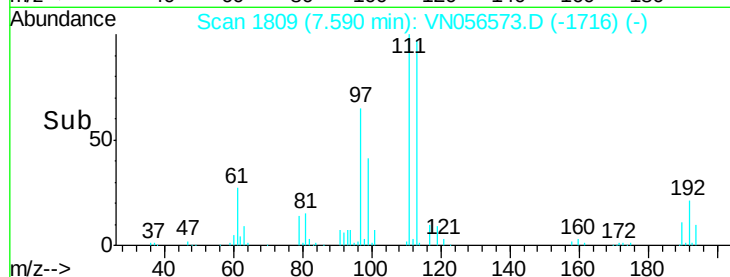
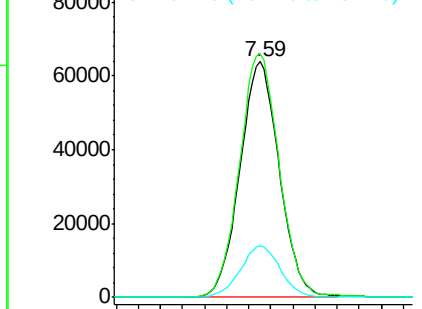
7/3/2019 9:16:10 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.958 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

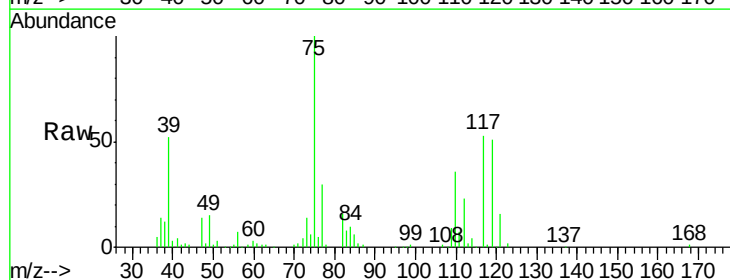
Tgt Ion: 75 Resp: 203220

Ion Ratio Lower Upper

75 100

110 35.9 18.1 54.3

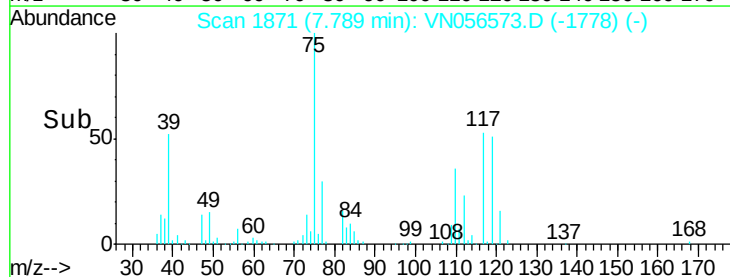
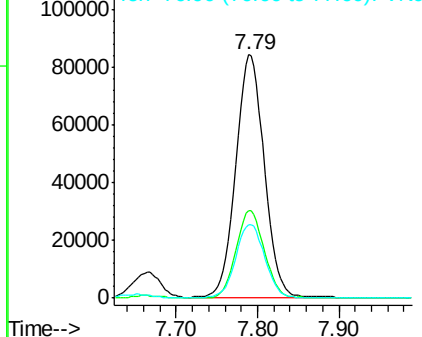
77 31.2 24.6 36.8

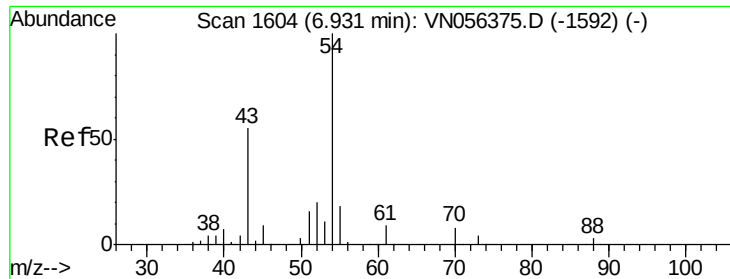


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





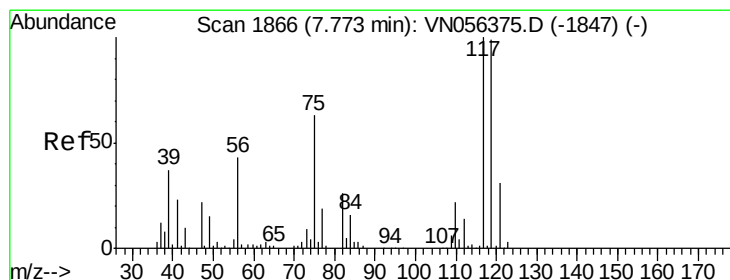
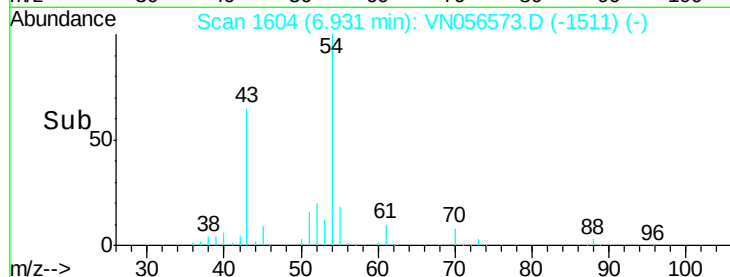
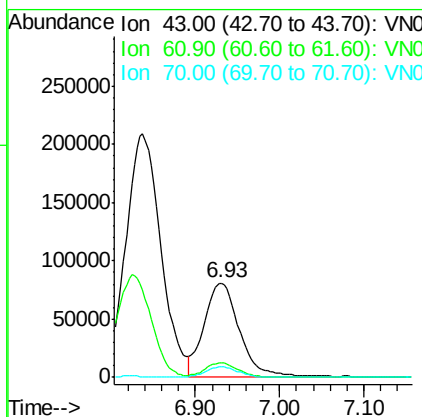
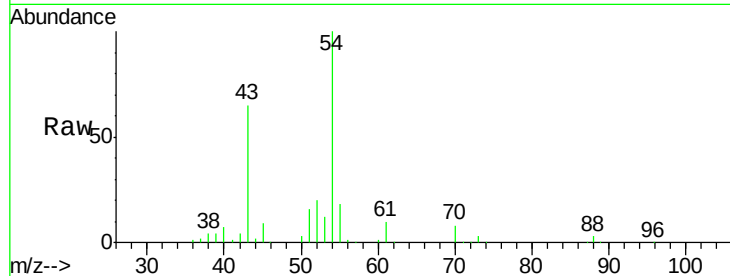
#37
Ethyl Acetate
Concen: 53.268 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	231478		
Ratio	100	14.8	10.8
Lower		11.1	8.3
Upper		16.7	12.5

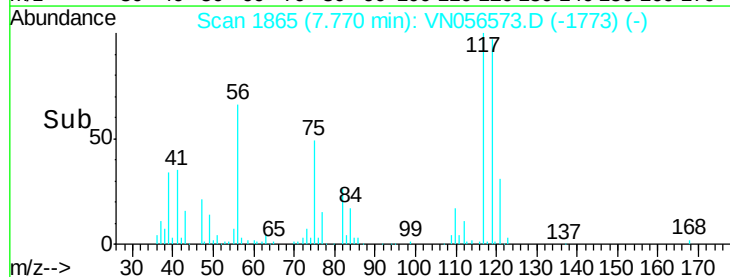
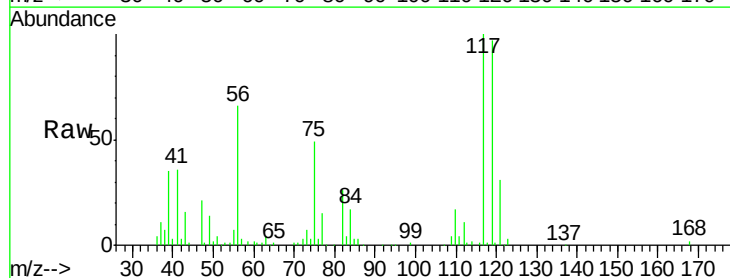
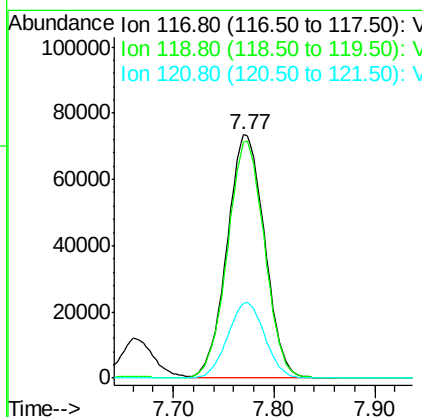
Manual Integrations
APPROVED

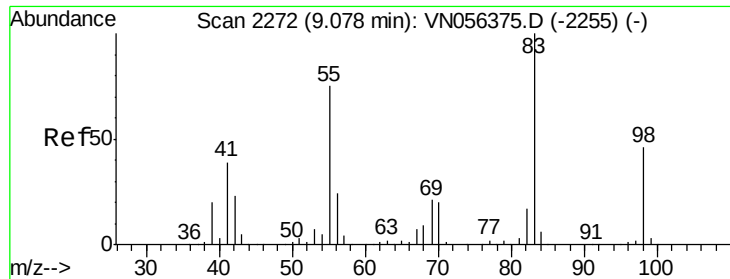
MMDadoda
7/3/2019 9:16:10 AM



#38
Carbon Tetrachloride
Concen: 49.296 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion	117	119	121
Resp	190619		
Ratio	100	97.1	30.9
Lower		79.1	24.8
Upper		118.7	37.2





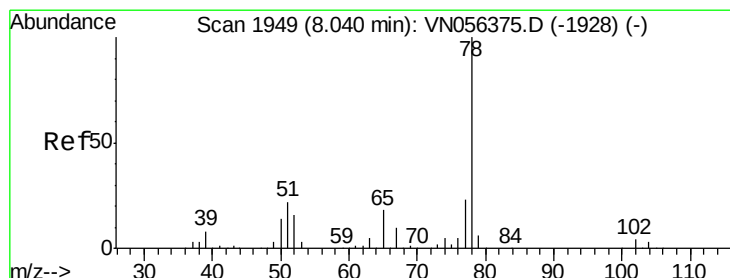
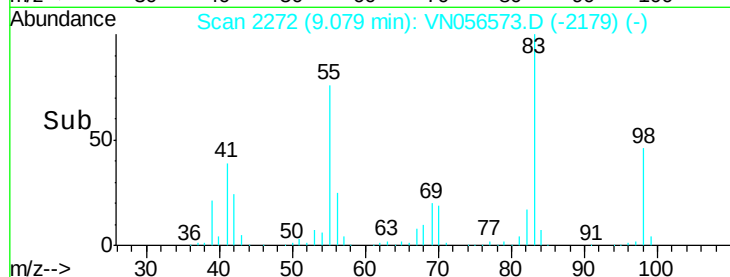
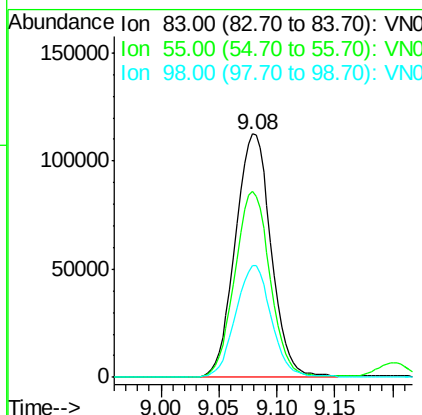
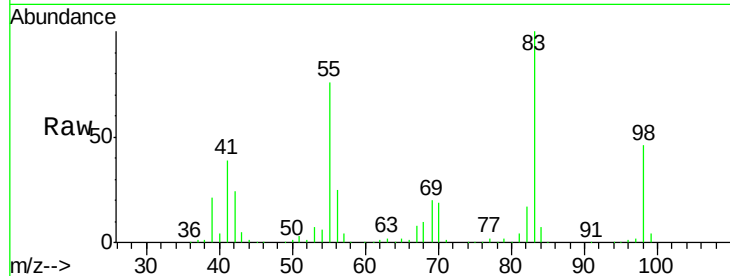
#39
Methylvlcyclohexane
Concen: 44.552 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	60.0	90.0
98	45.7	36.6	54.8

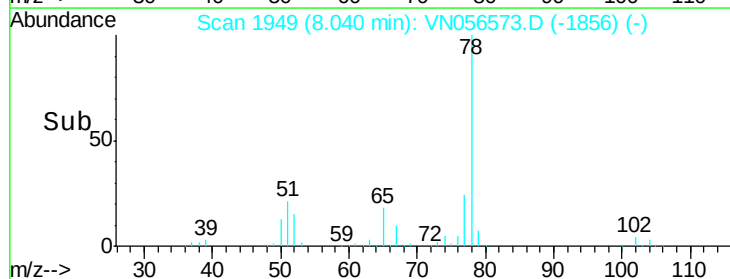
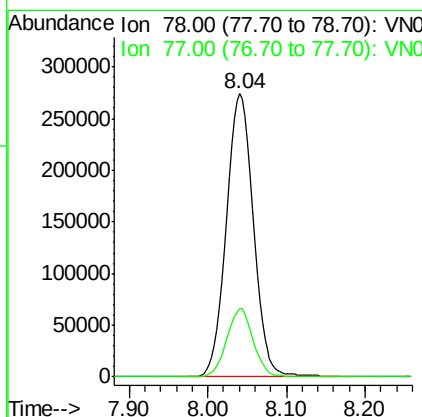
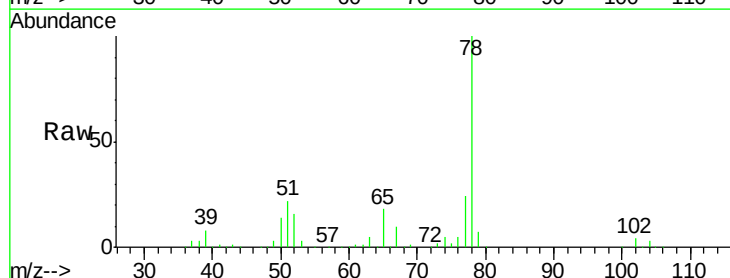
Manual Integrations
APPROVED

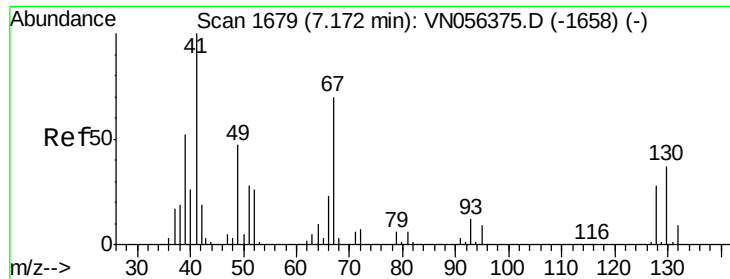
MMDadoda
7/3/2019 9:16:10 AM



#40
Benzene
Concen: 48.021 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5





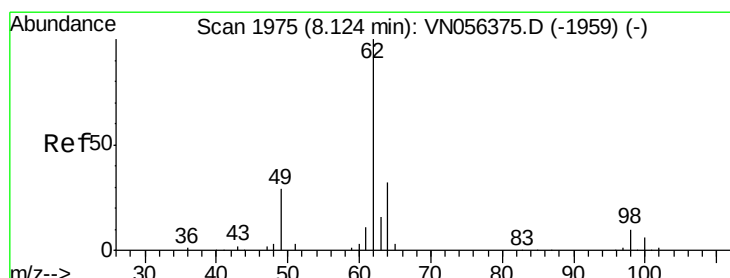
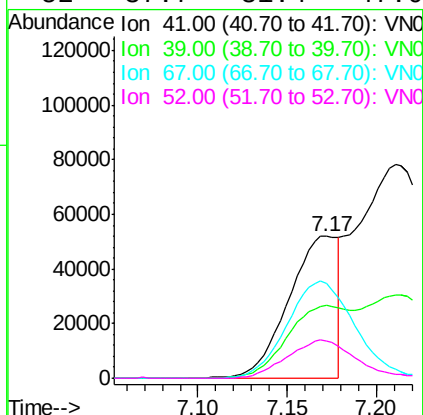
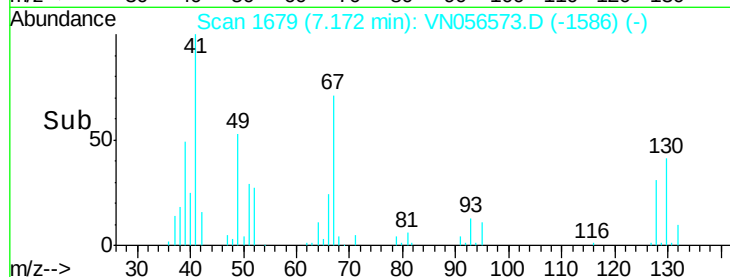
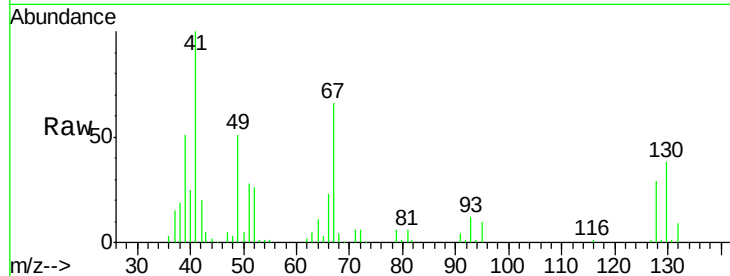
#41
Methacrylonitrile
Concen: 51.850 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	99495
Ion Ratio	Lower	Upper	
41	100		
39	62.1	55.3	82.9
67	95.2	79.2	118.8
52	37.7	31.4	47.0

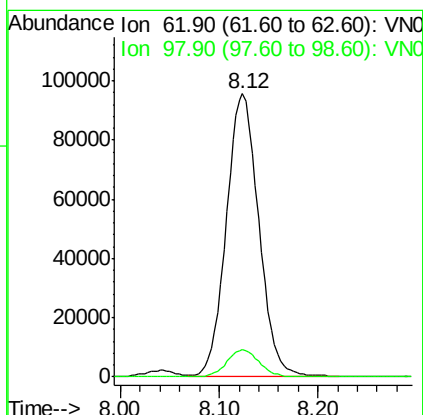
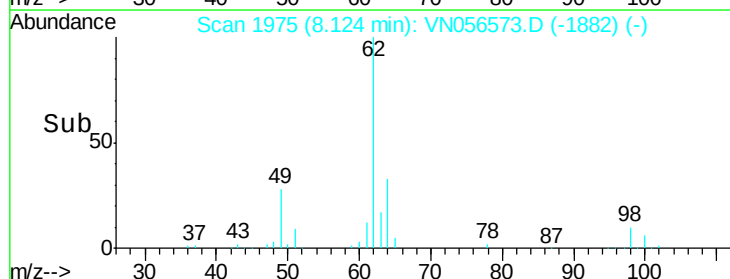
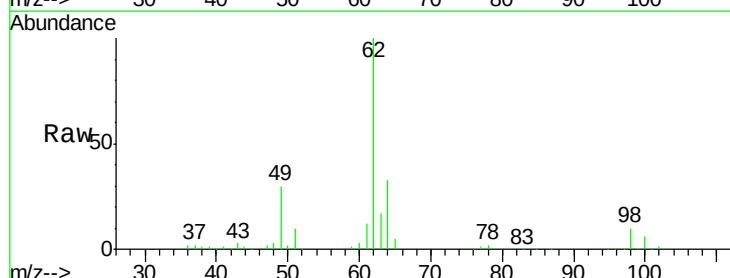
Manual Integrations
APPROVED

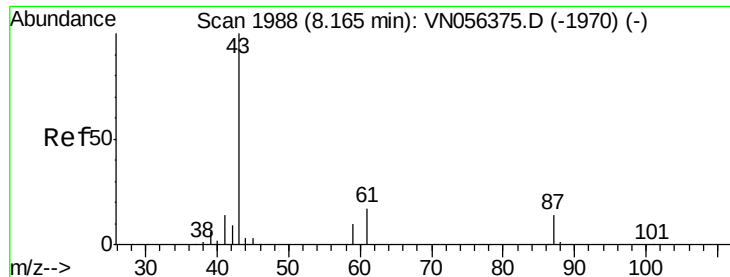
MMDadoda
7/3/2019 9:16:10 AM



#42
1,2-Dichloroethane
Concen: 48.774 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion	62	Resp	218938
Ion Ratio	Lower	Upper	
62	100		
98	9.5	0.0	19.4





#43

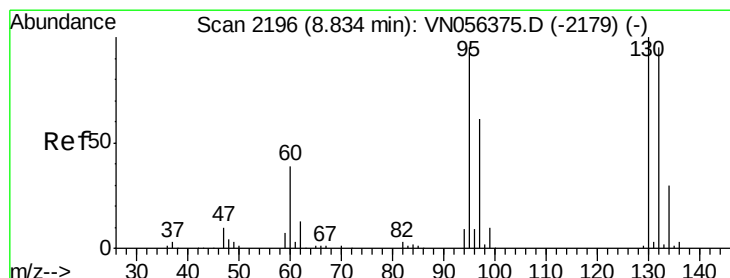
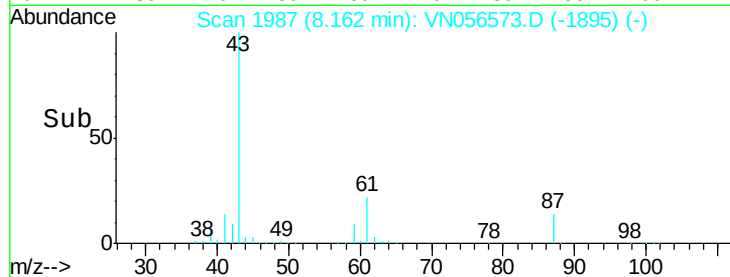
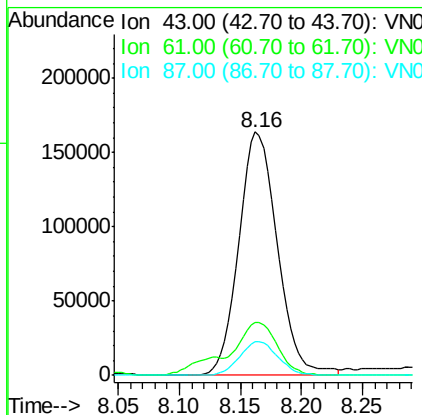
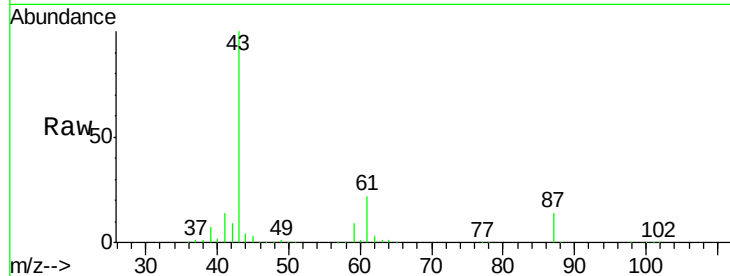
Isopropyl Acetate
 Concen: 53.186 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	61	87
Resp	356384		
Ratio	100	21.5	13.9
Lower		22.0	11.0
Upper		33.0#	16.4

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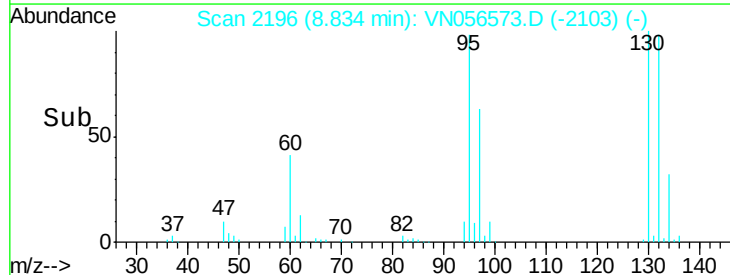
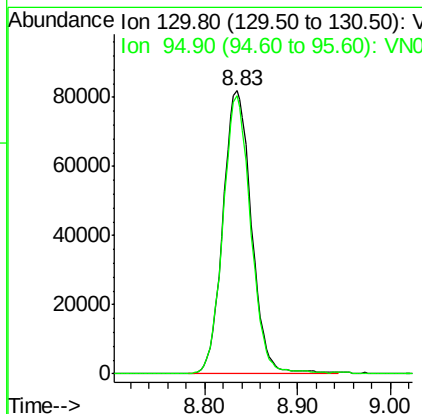
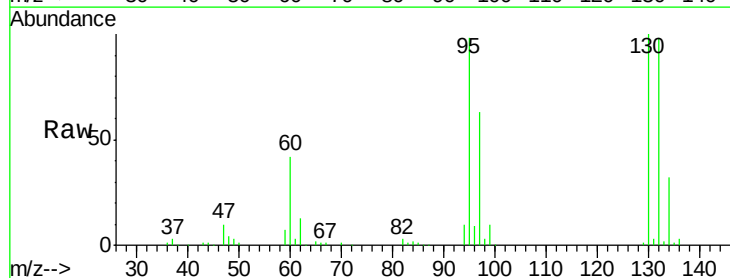
MMDadoda
 7/3/2019 9:16:10 AM

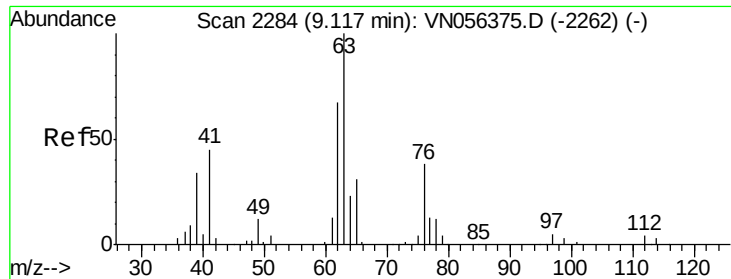


#44

Trichloroethene
 Concen: 47.751 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion	130	95
Resp	174957	
Ratio	100	98.3
Lower		0.0
Upper		191.0





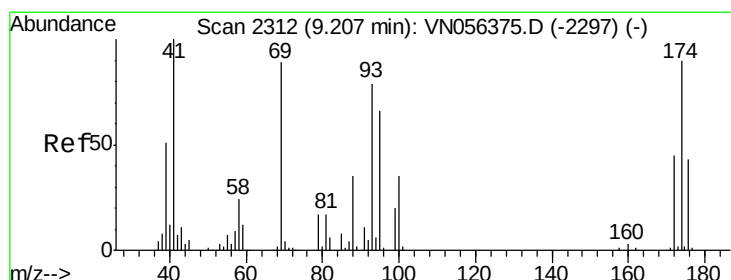
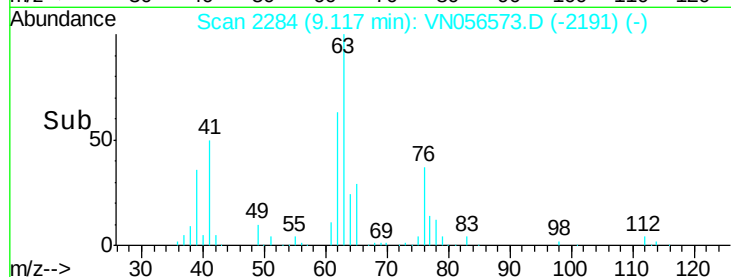
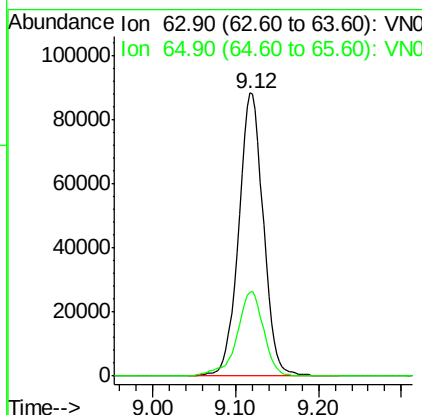
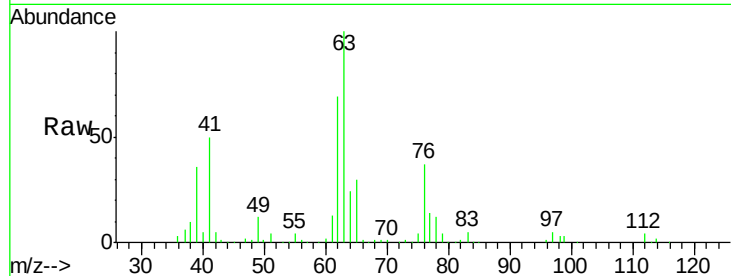
#45
 1,2-Dichloropropane
 Concen: 50.523 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 183782
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.6

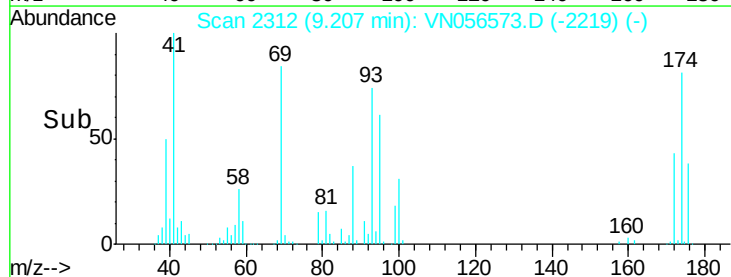
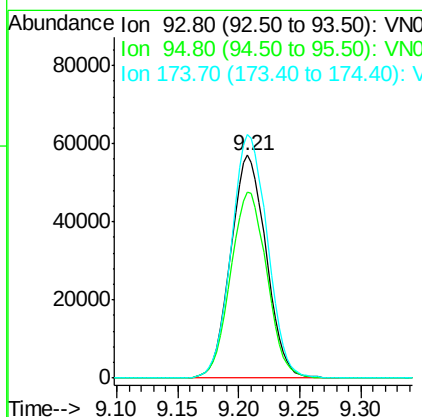
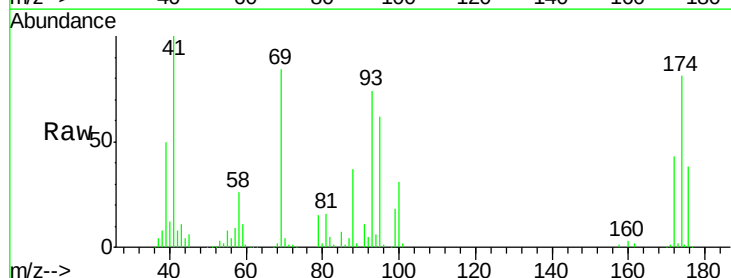
Manual Integrations
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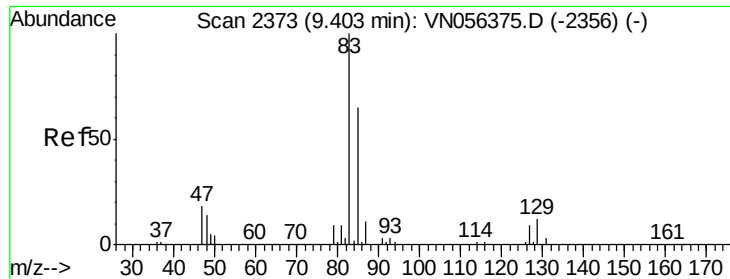
MMDadoda
 7/3/2019 9:16:10 AM



#46
 Dibromomethane
 Concen: 50.713 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion: 93 Resp: 115413
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.2 99.2
 174 110.6 90.8 136.2





#47

Bromodichloromethane

Concen: 52.876 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

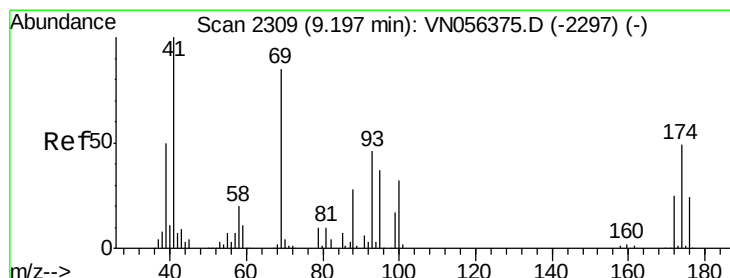
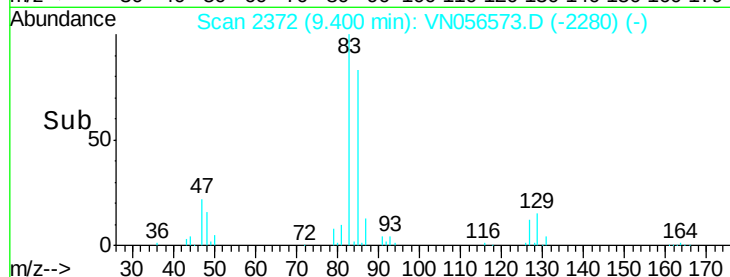
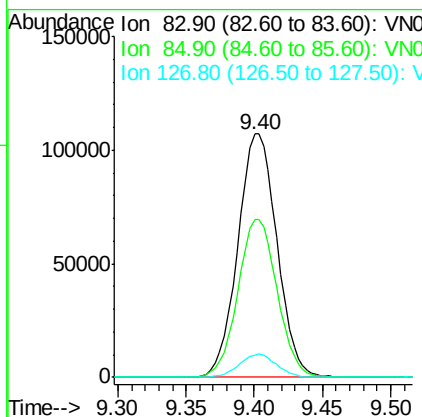
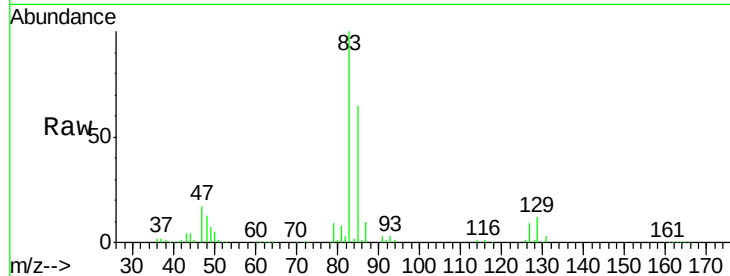
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	213425
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.2	78.4
127	9.3	7.3	10.9

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 51.144 ug/l

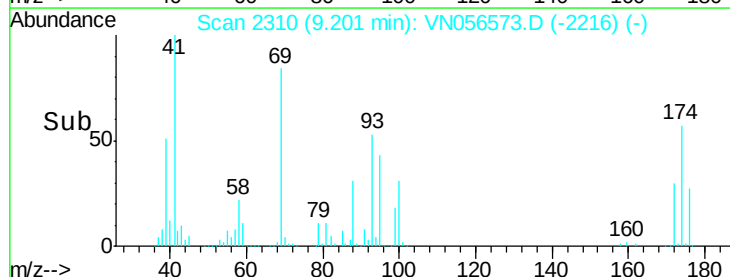
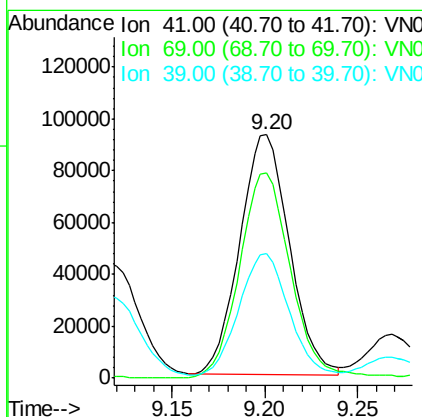
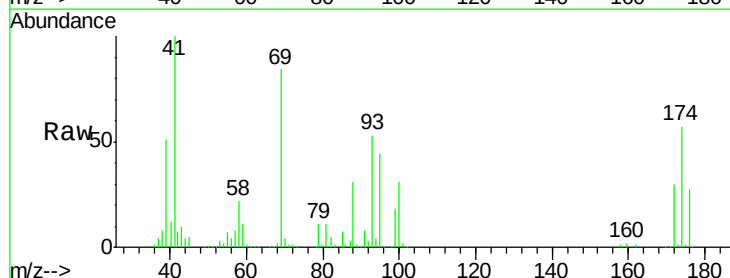
RT: 9.20 min Scan# 2310

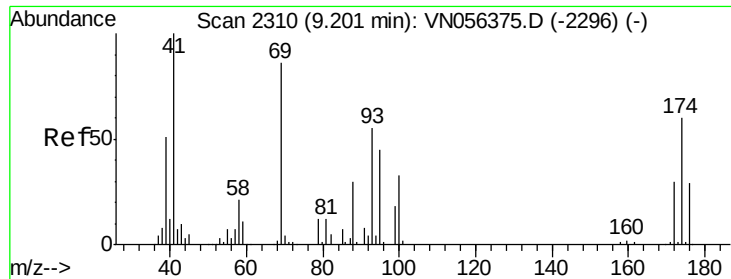
Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Tgt Ion:	41	Resp:	171736
Ion Ratio	Lower	Upper	
41	100		
69	88.0	72.6	109.0
39	52.8	42.6	63.8





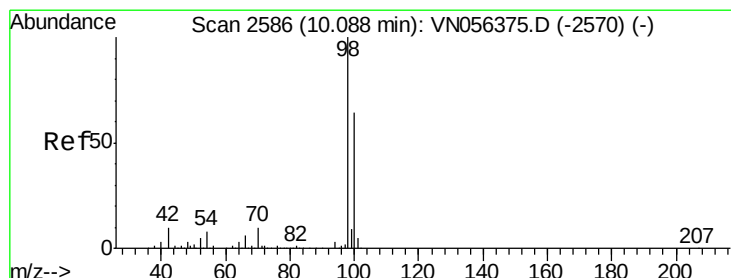
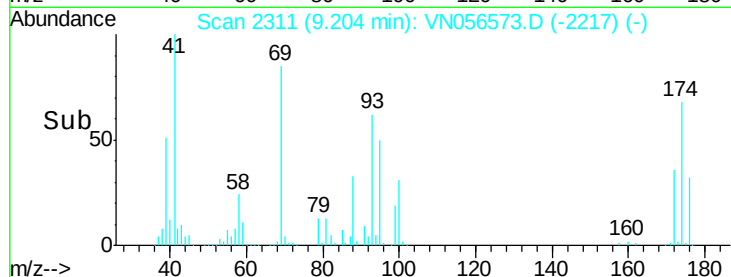
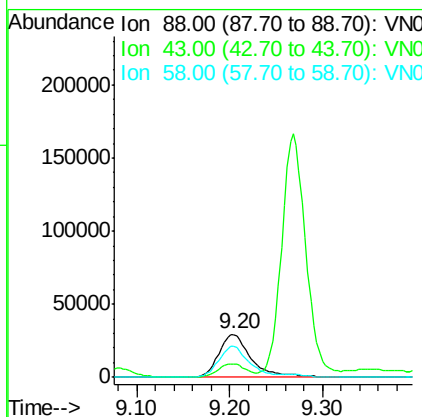
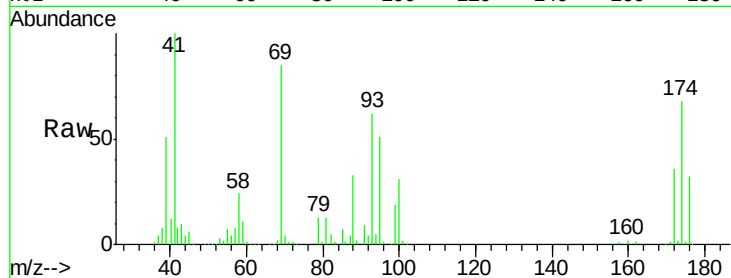
#49
1,4-Dioxane
Concen: 1028.450 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 71666
Ion Ratio Lower Upper
88 100
43 26.7 22.0 33.0
58 69.0 51.8 77.8

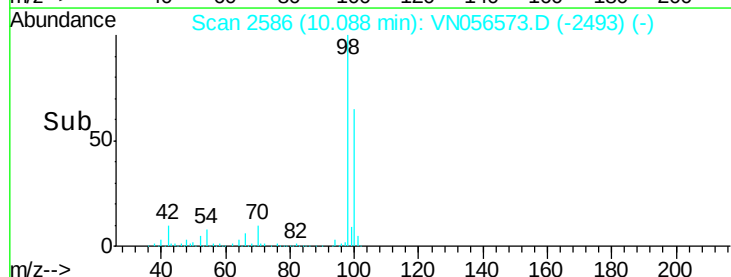
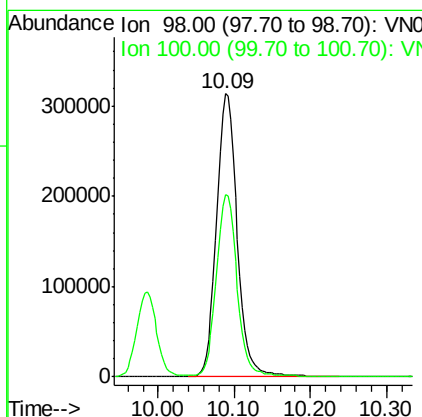
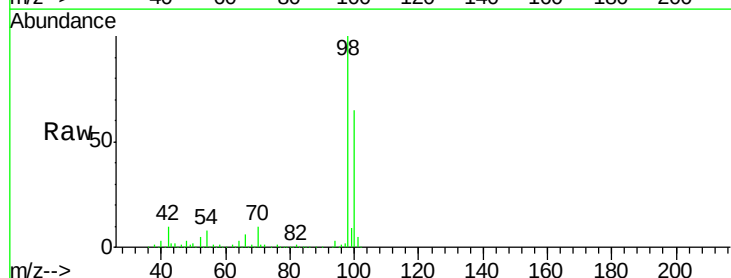
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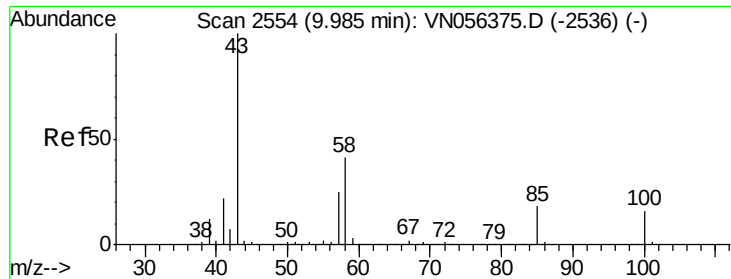
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#50
Toluene-d8
Concen: 48.604 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 98 Resp: 592718
Ion Ratio Lower Upper
98 100
100 63.2 52.2 78.2





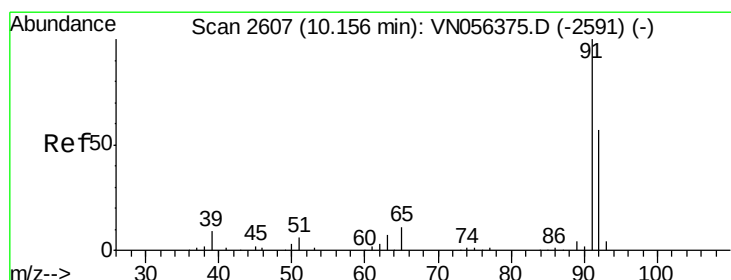
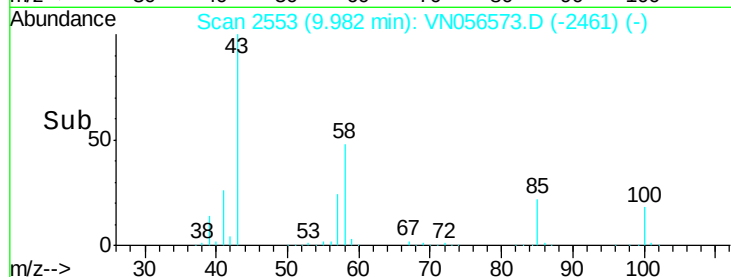
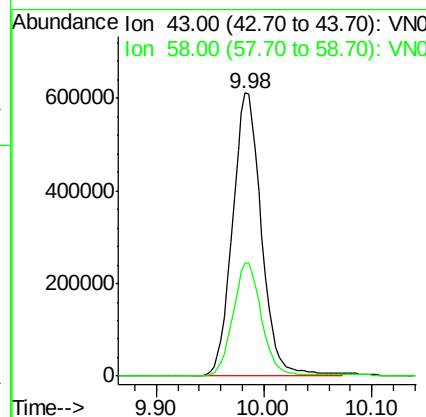
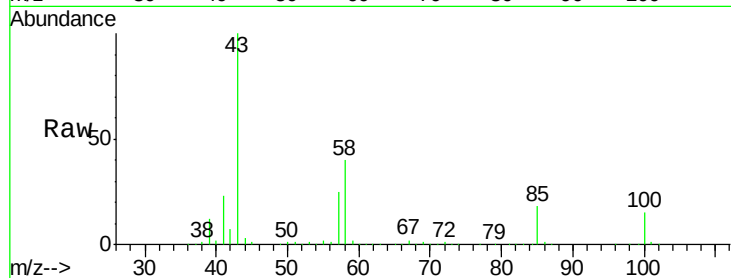
#51
4-Methyl-2-Pentanone
Concen: 264.565 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1144222
Ion Ratio Lower Upper
43 100
58 39.8 31.8 47.8

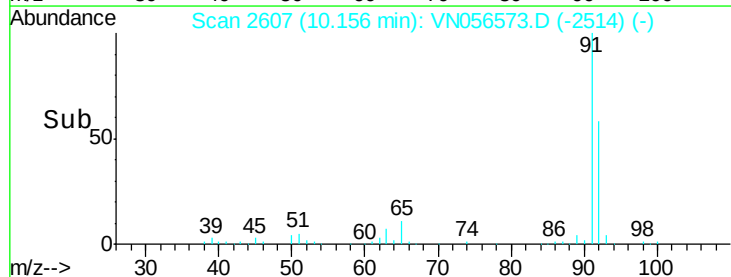
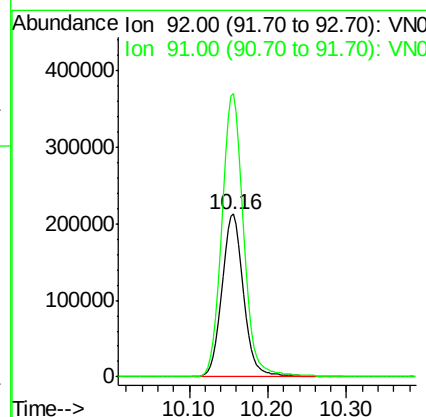
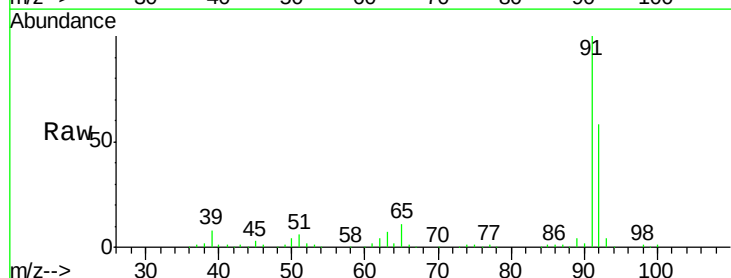
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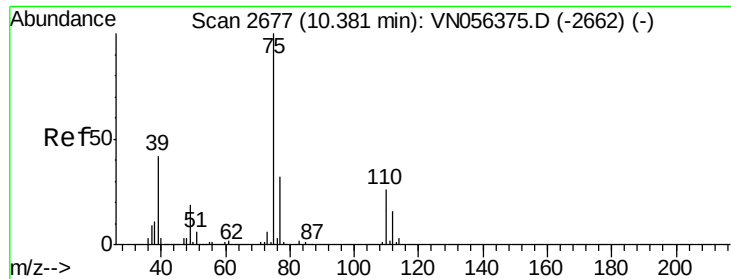
MMDadoda
7/3/2019 9:16:10 AM



#52
Toluene
Concen: 48.410 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 92 Resp: 402570
Ion Ratio Lower Upper
92 100
91 174.8 140.6 211.0





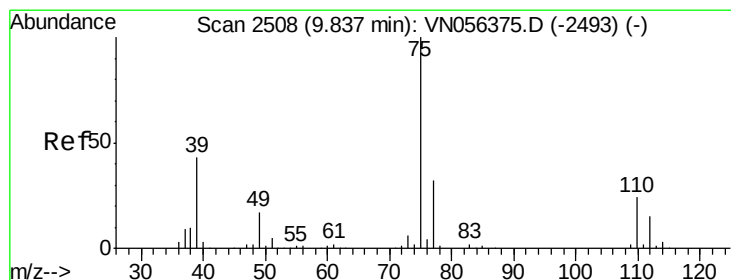
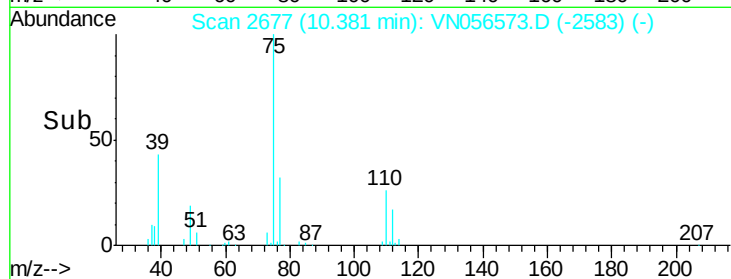
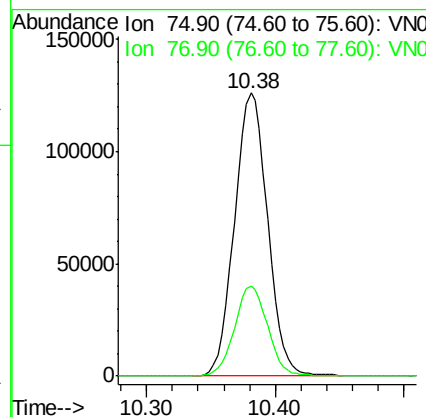
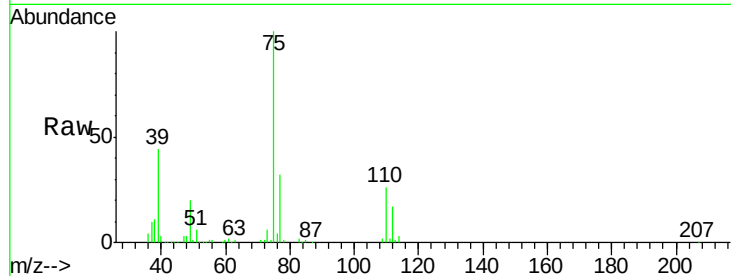
#53
t-1,3-Dichloropropene
Concen: 48.007 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 225114
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

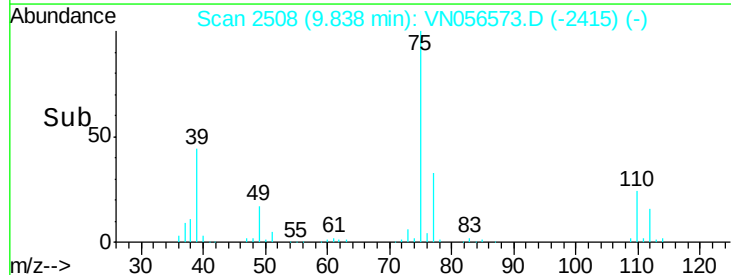
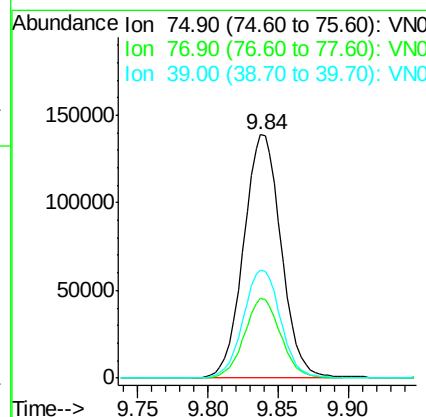
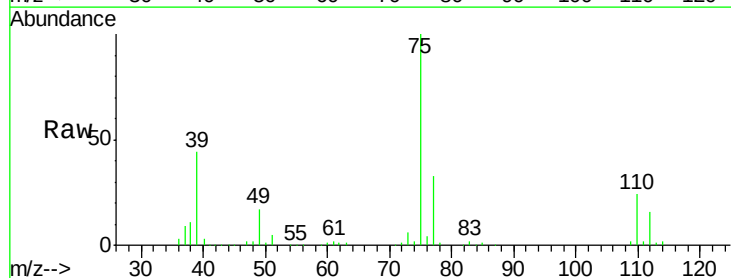
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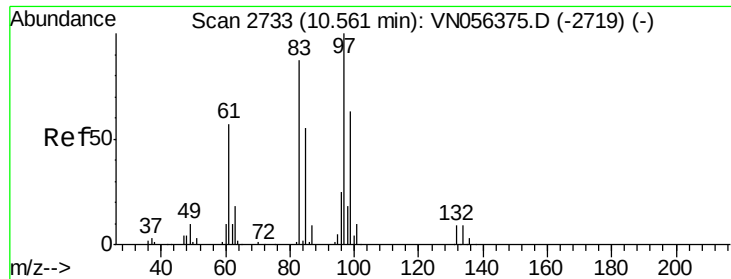
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.264 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 75 Resp: 258898
Ion Ratio Lower Upper
75 100
77 32.7 25.2 37.8
39 44.4 34.2 51.4





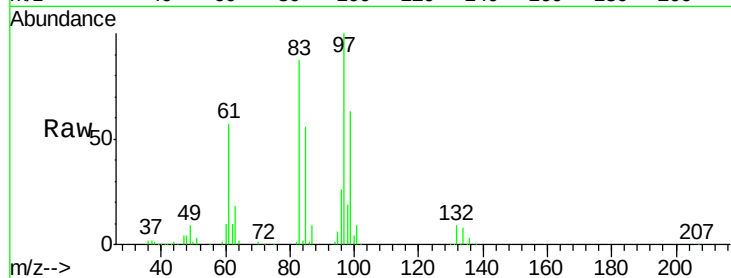
#55
 1,1,2-Trichloroethane
 Concen: 52.178 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

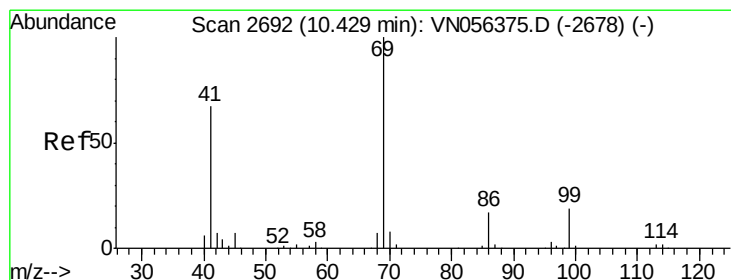
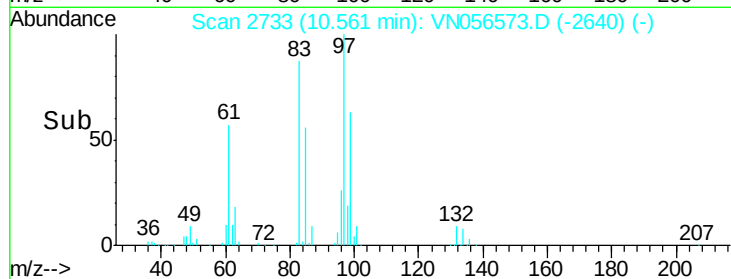
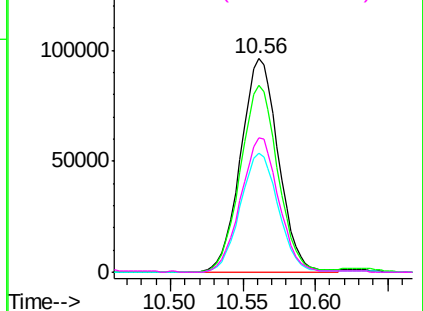
Tot Ion:	97	Resp:	174411
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.8	104.6
85	55.6	43.8	65.8
99	63.2	50.2	75.2

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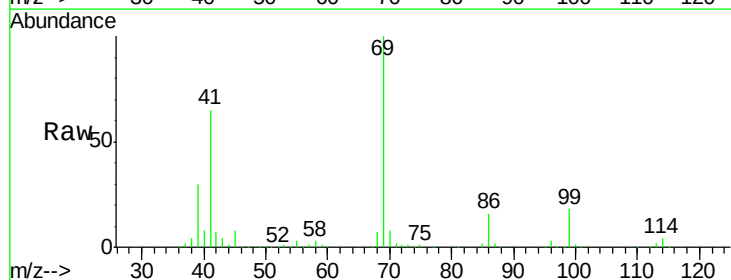


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

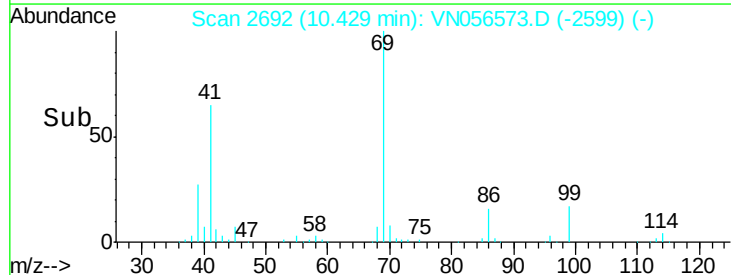
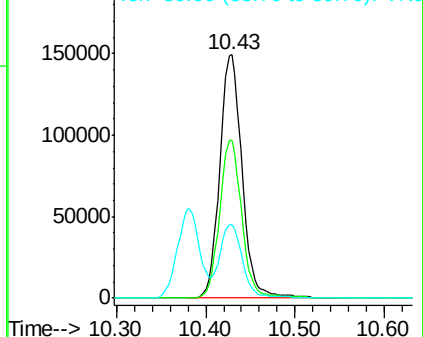


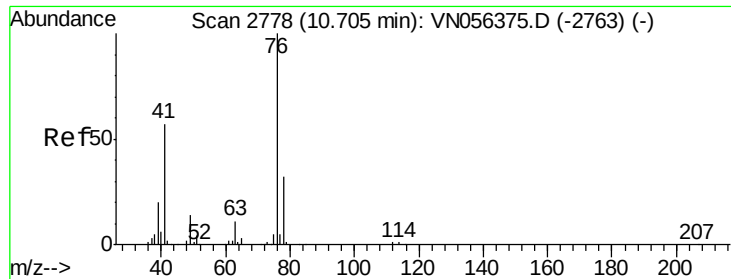
#56
 Ethyl methacrylate
 Concen: 53.034 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion:	69	Resp:	259067
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.4	77.2
39	30.4	24.7	37.1



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





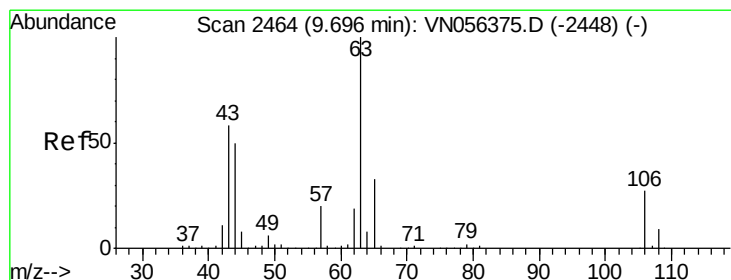
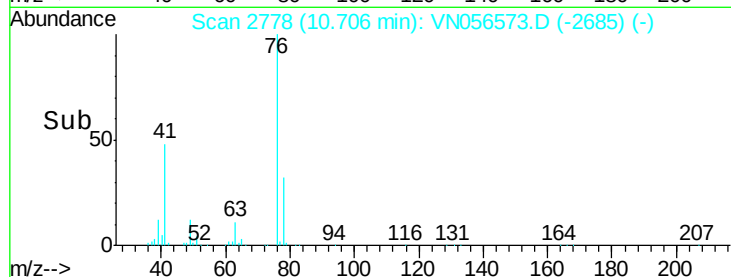
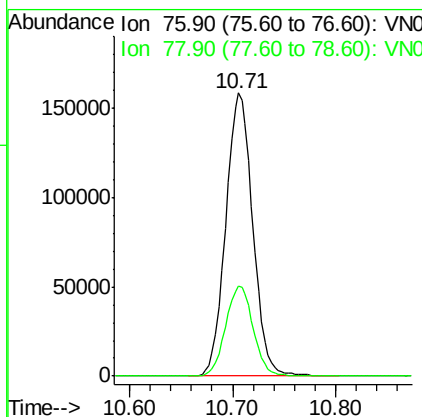
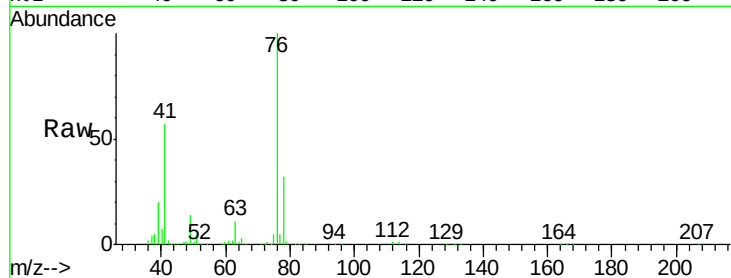
#57
 1,3-Dichloropropane
 Concen: 51.450 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 288910
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9

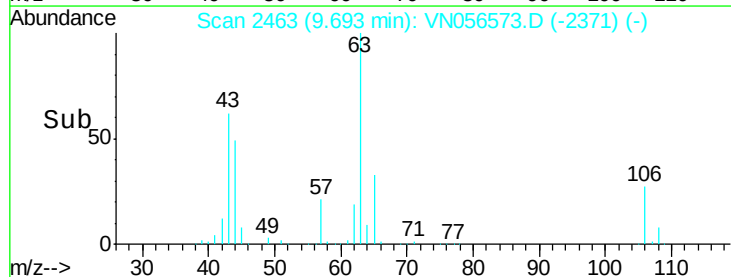
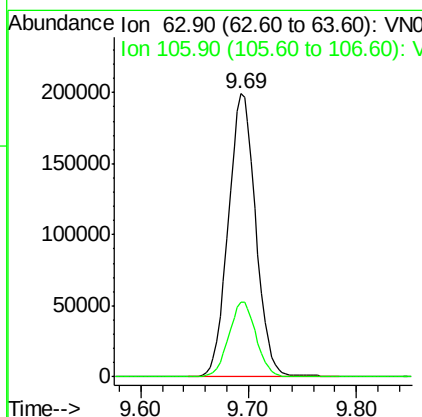
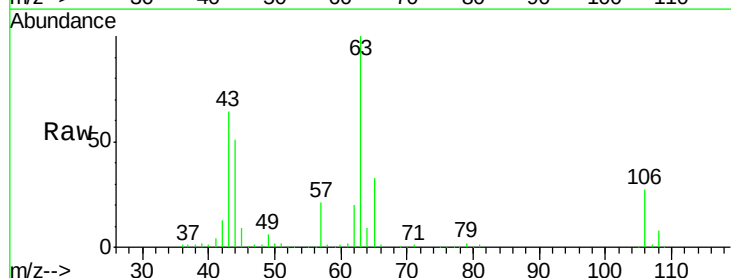
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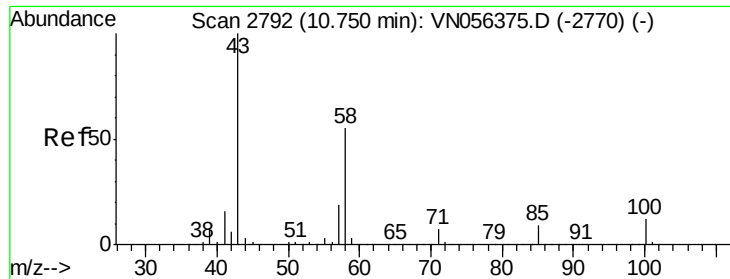
MMDadoda
 7/3/2019 9:16:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 201.661 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion: 63 Resp: 353900
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.6 32.4





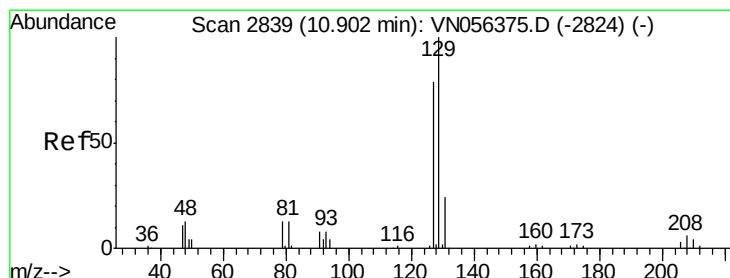
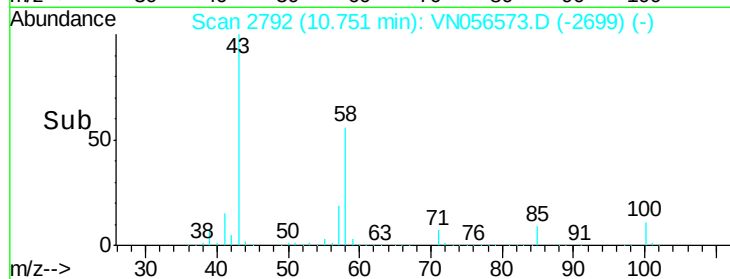
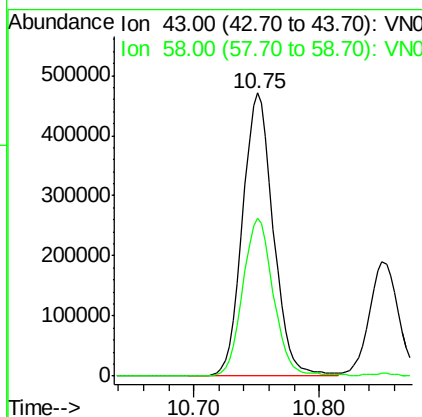
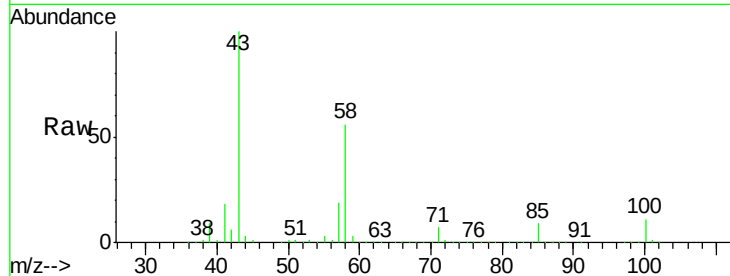
#59
2-Hexanone
Concen: 252.179 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 801592
Ion Ratio Lower Upper
43 100
58 56.0 27.8 83.4

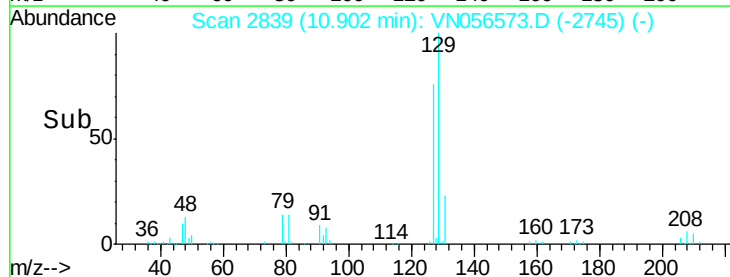
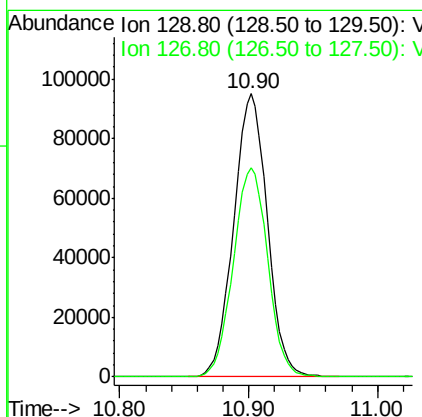
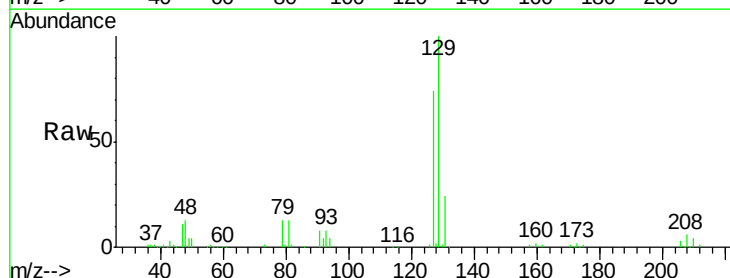
Manual Integrations
APPROVED

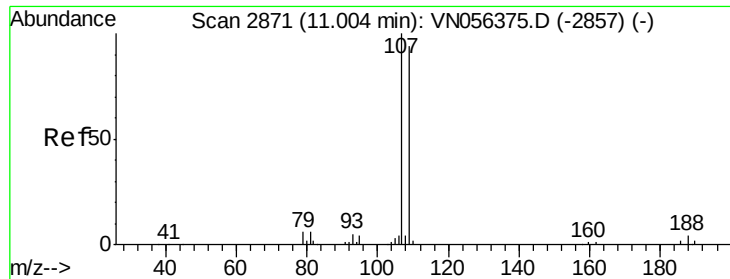
MMDadoda
7/3/2019 9:16:10 AM



#60
Dibromochloromethane
Concen: 50.202 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 129 Resp: 172516
Ion Ratio Lower Upper
129 100
127 75.7 38.9 116.7





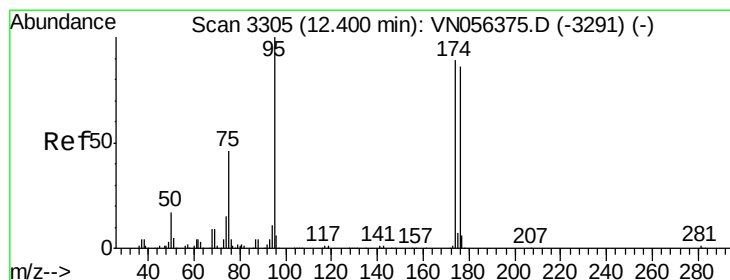
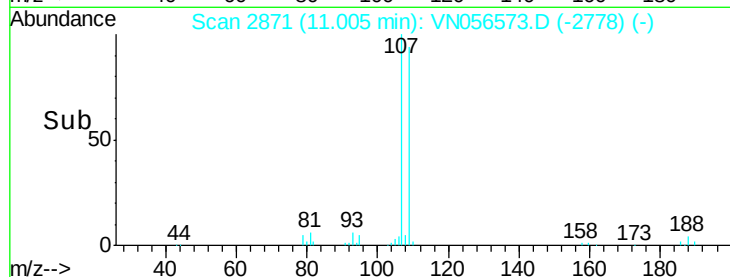
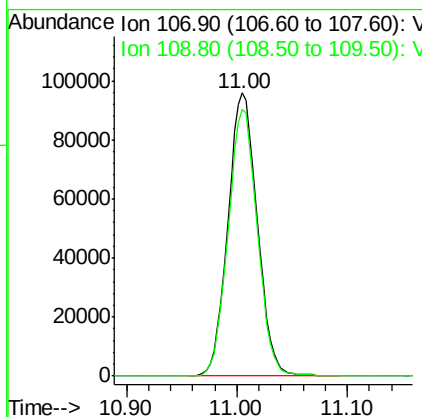
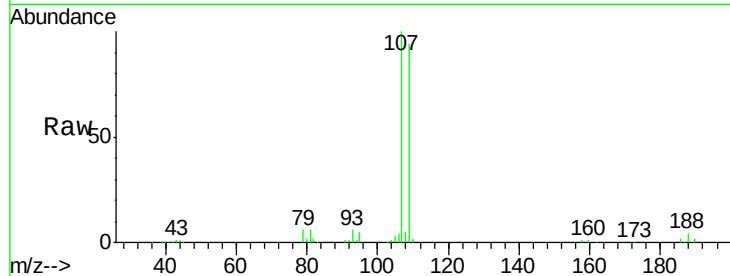
#61
 1,2-Dibromoethane
 Concen: 51.847 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.3	112.9

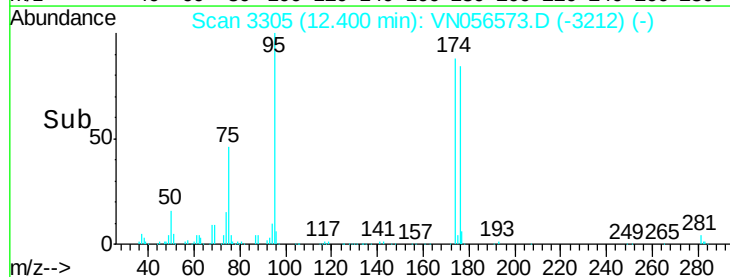
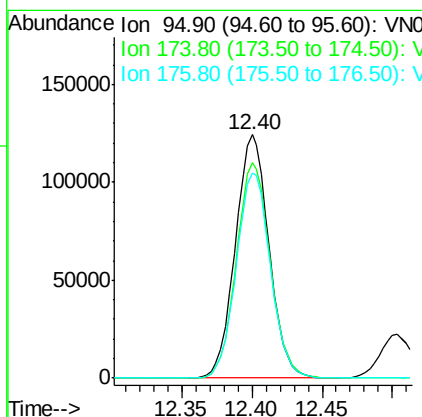
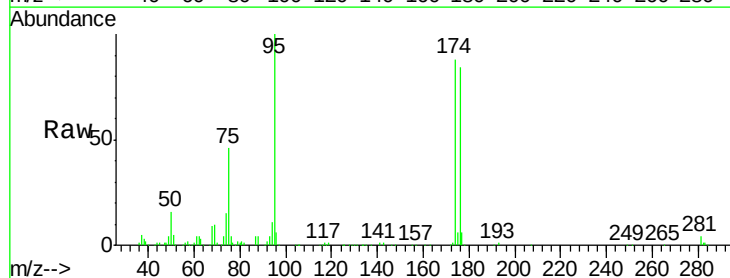
Manual Integrations
 APPROVED

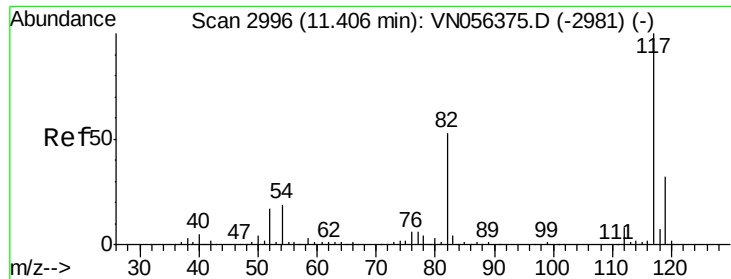
MMDadoda
 7/3/2019 9:16:10 AM



#62
 4-Bromofluorobenzene
 Concen: 51.076 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	179.4
176	85.6	0.0	173.4





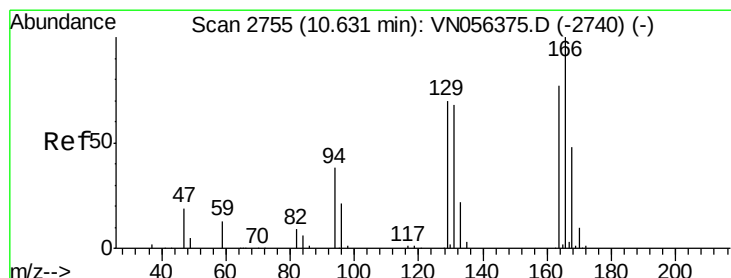
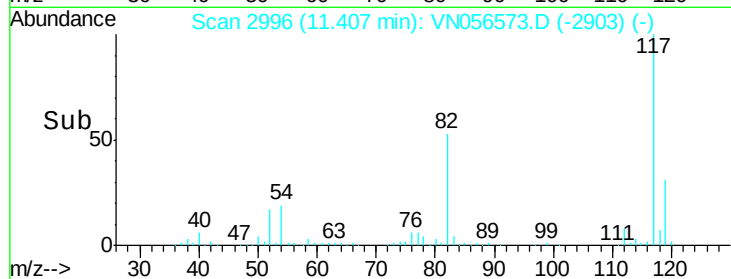
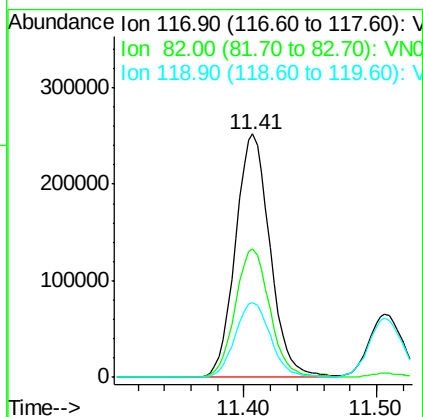
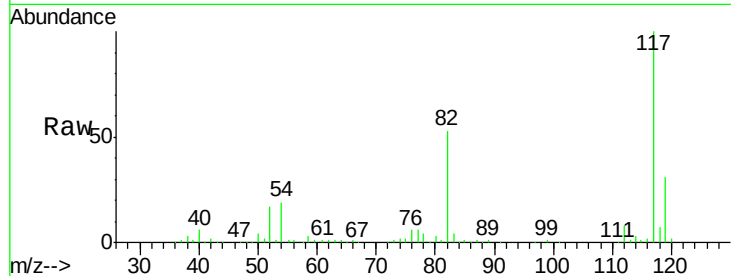
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.0	63.0
119	30.8	25.3	37.9

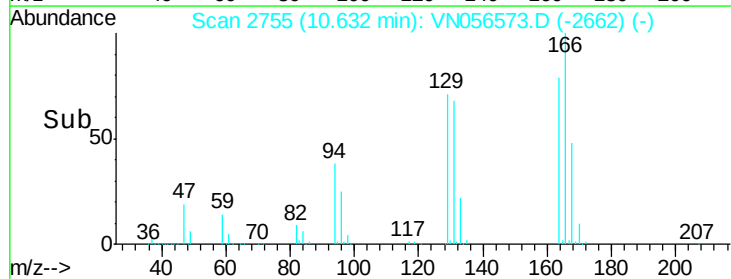
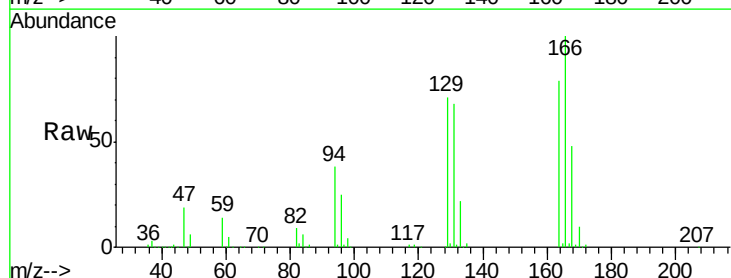
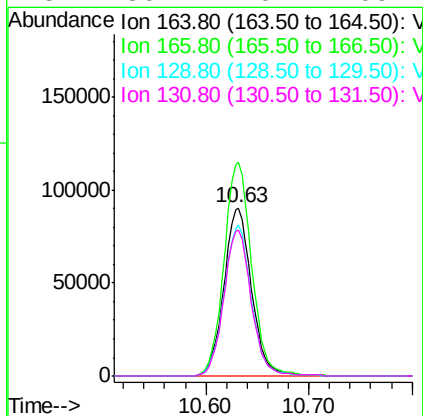
Manual Integrations
APPROVED

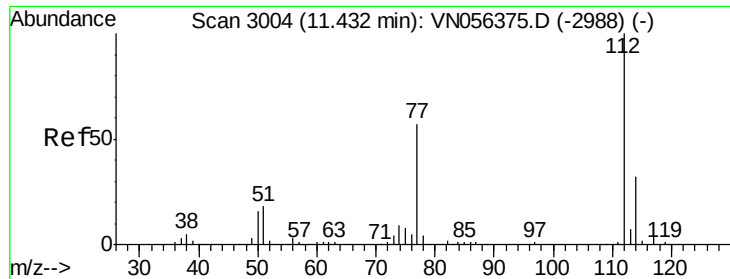
MMDadoda
7/3/2019 9:16:10 AM



#64
Tetrachloroethene
Concen: 46.613 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	103.4	155.0
129	89.9	72.0	108.0
131	86.7	70.2	105.2





#65

Chlorobenzene

Concen: 47.634 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:112 Resp: 436633

Ion Ratio Lower Upper

112 100

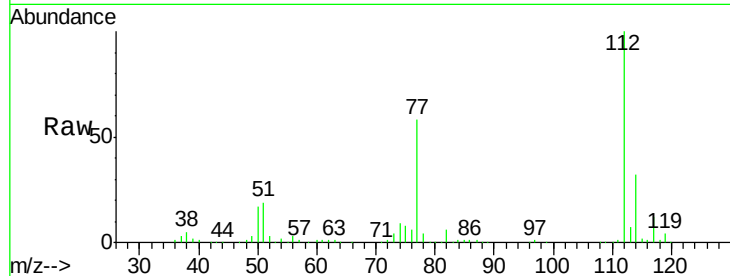
114 32.0 25.4 38.2

Manual Integrations

APPROVED

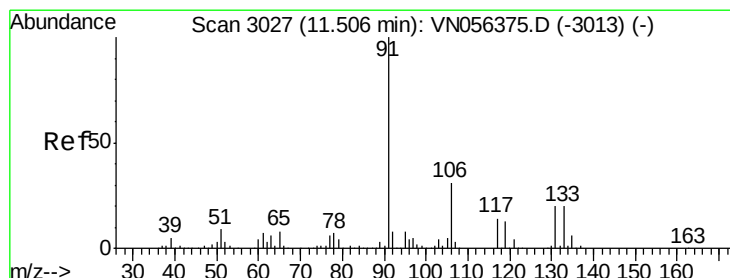
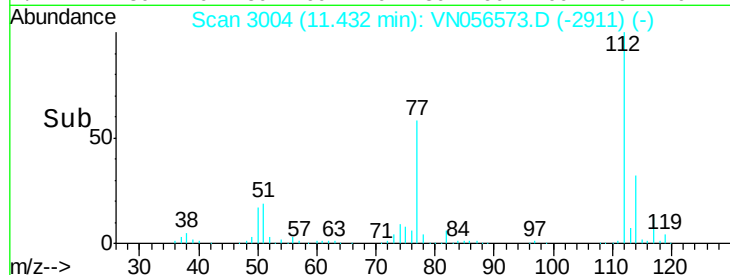
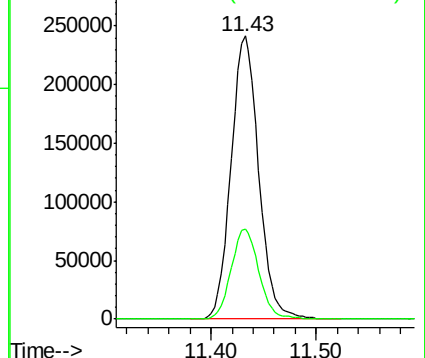
MMDadoda

7/3/2019 9:16:10 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.420 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

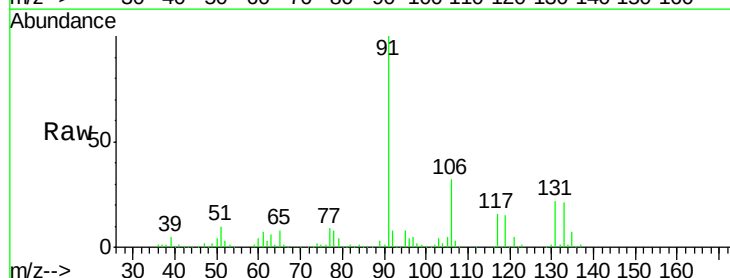
Tgt Ion:131 Resp: 162396

Ion Ratio Lower Upper

131 100

133 95.2 47.4 142.2

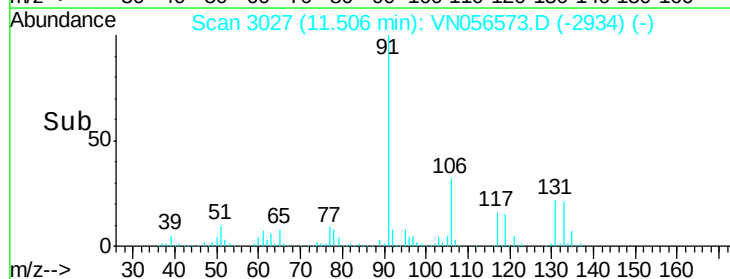
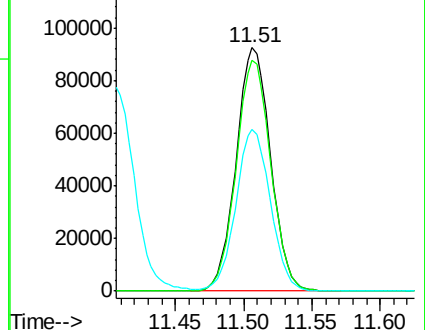
119 66.5 32.8 98.4

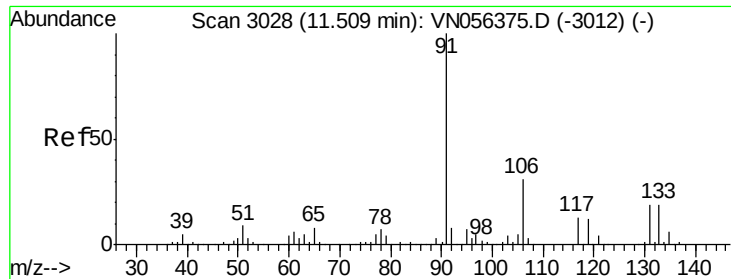


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





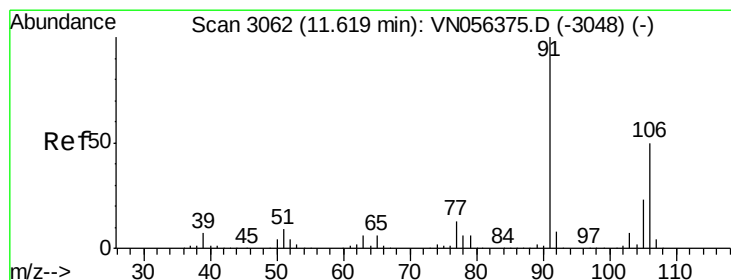
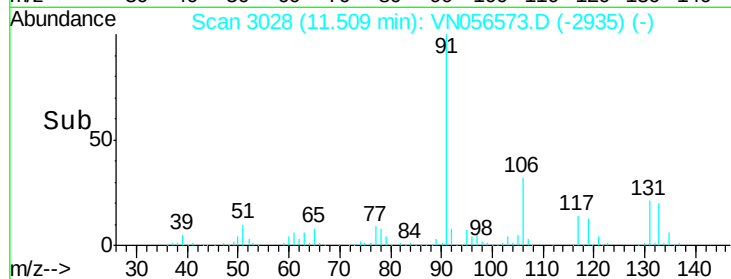
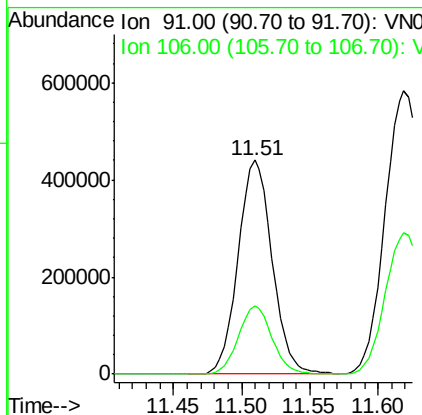
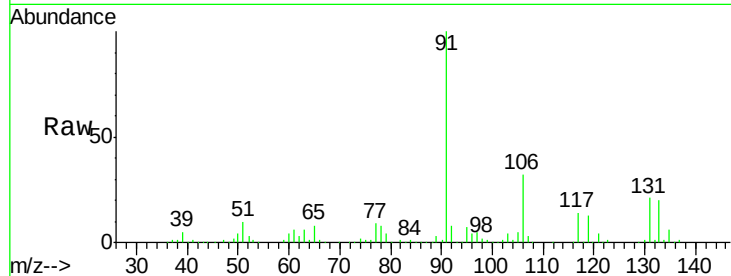
#67
Ethyl Benzene
Concen: 47.512 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 764686
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7

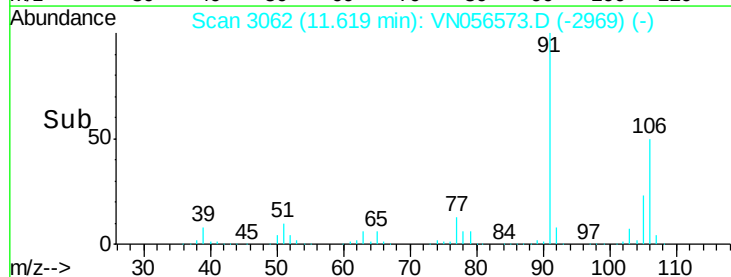
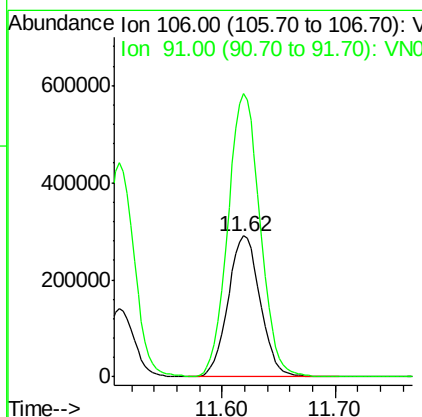
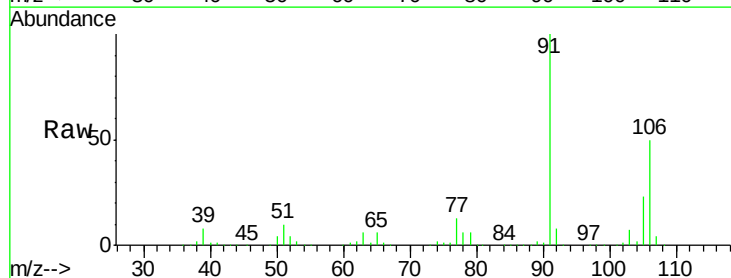
Manual Integrations
APPROVED

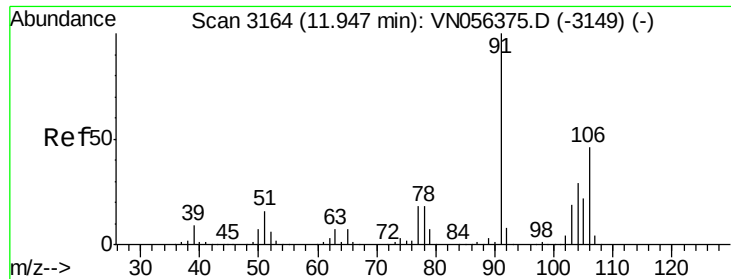
MMDadoda
7/3/2019 9:16:10 AM



#68
m/p-Xylenes
Concen: 97.237 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 106 Resp: 573542
Ion Ratio Lower Upper
106 100
91 201.3 160.1 240.1





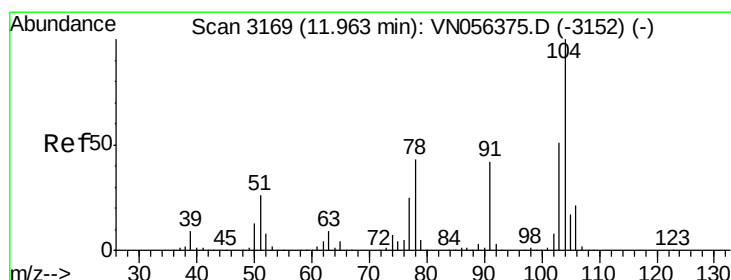
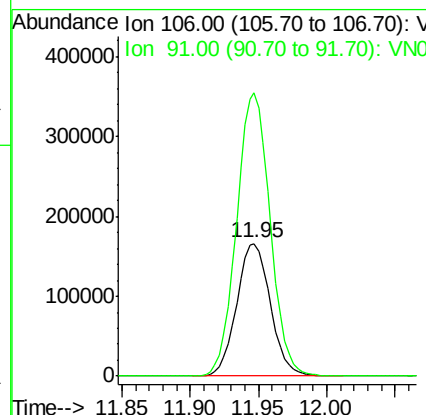
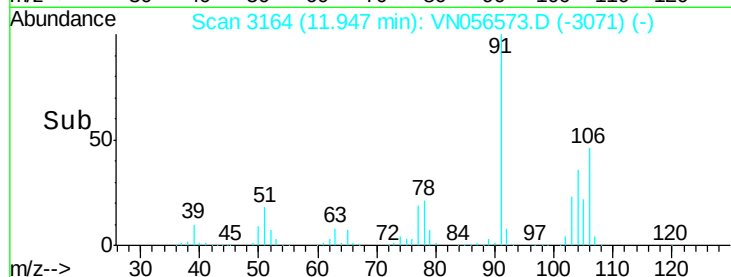
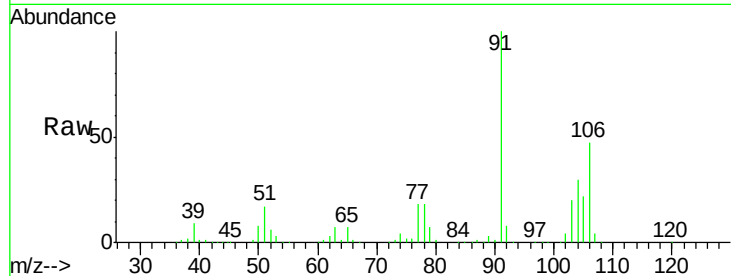
#69
o-Xylene
Concen: 48.738 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 284409
Ion Ratio Lower Upper
106 100
91 212.3 107.1 321.3

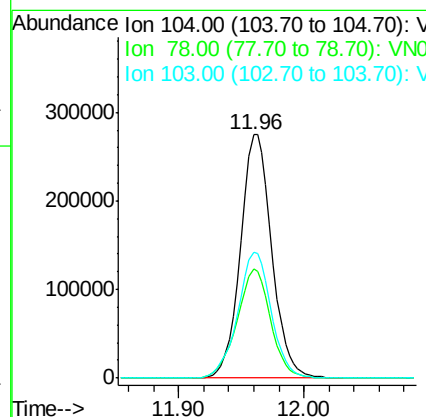
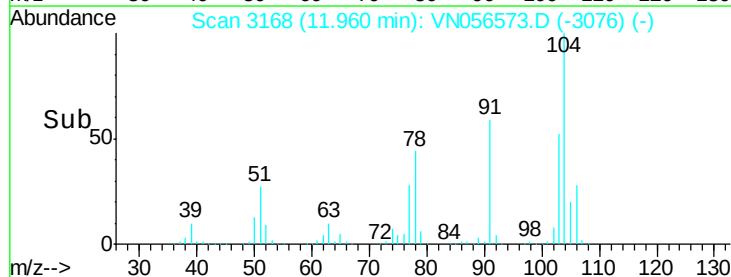
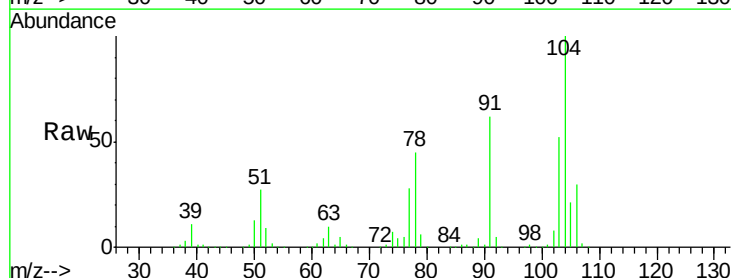
Manual Integrations
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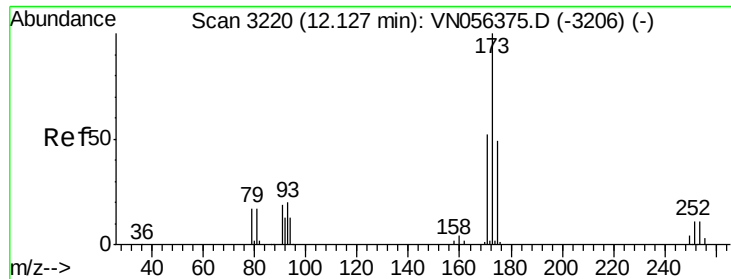
MMDadoda
7/3/2019 9:16:10 AM



#70
Styrene
Concen: 51.151 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion:104 Resp: 477115
Ion Ratio Lower Upper
104 100
78 48.1 38.6 57.8
103 55.5 43.9 65.9





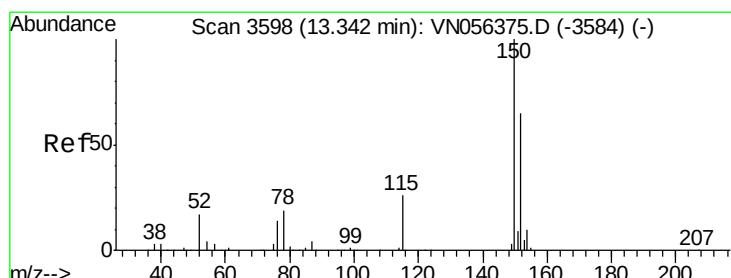
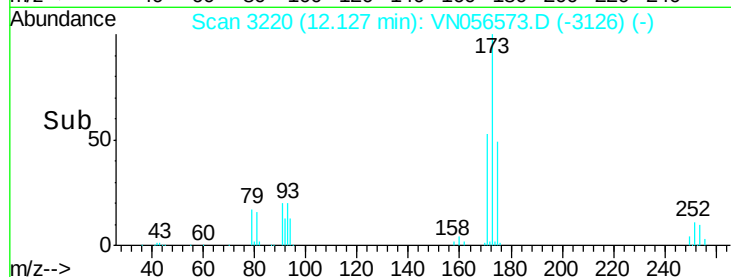
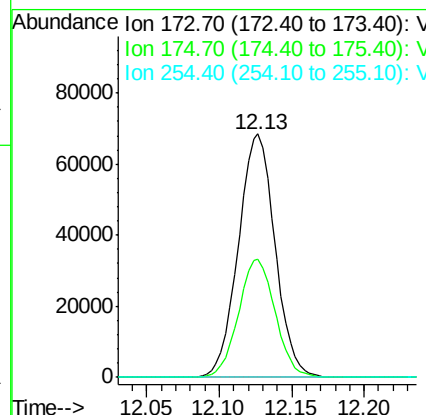
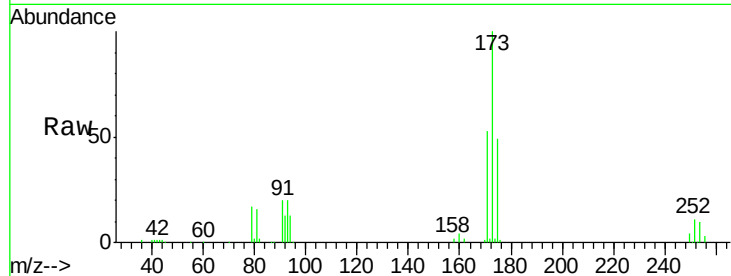
#71
Bromoform
Concen: 48.200 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.4
254	0.0	0.0	0.0

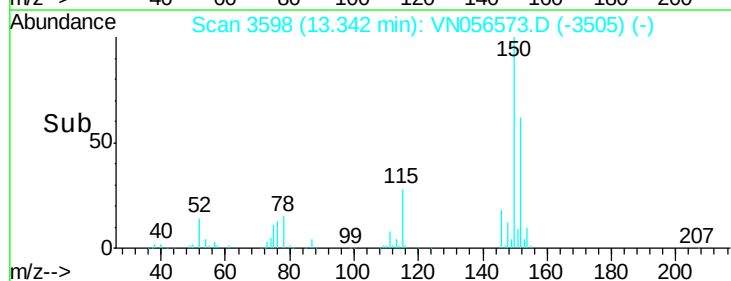
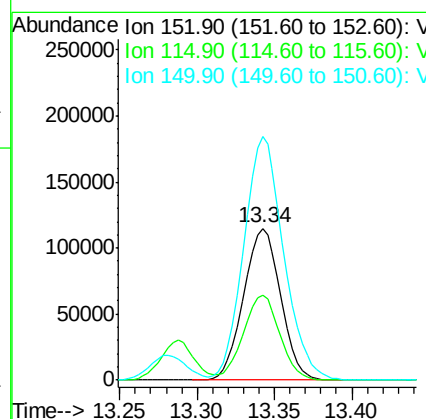
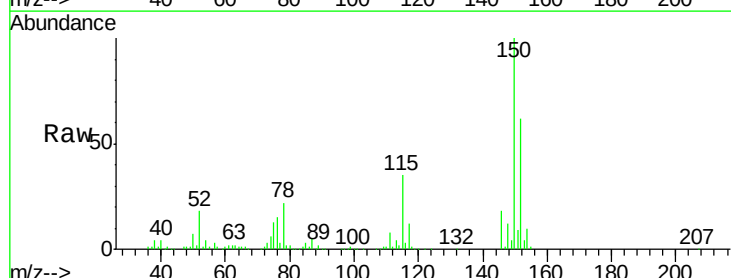
Manual Integrations
APPROVED

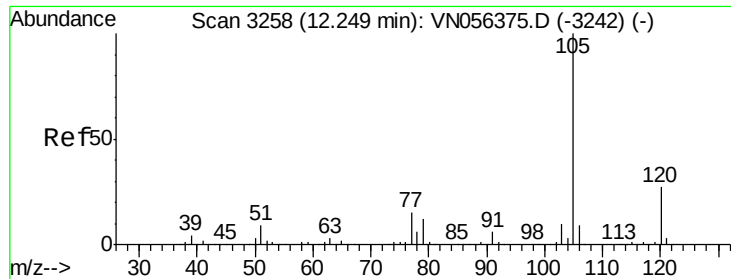
MMDadoda
7/3/2019 9:16:10 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	28.1	84.4
150	172.7	0.0	348.4





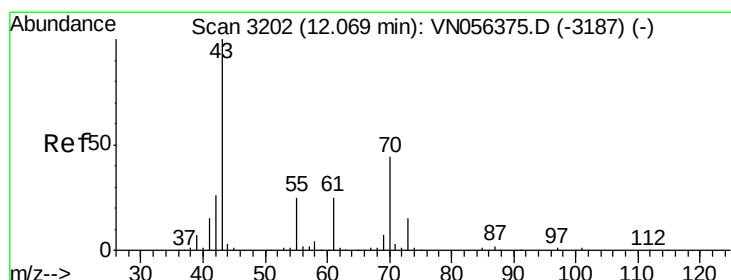
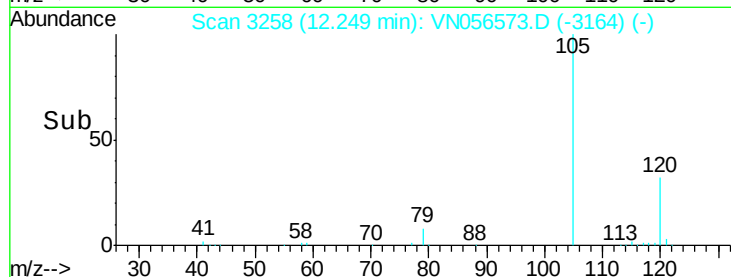
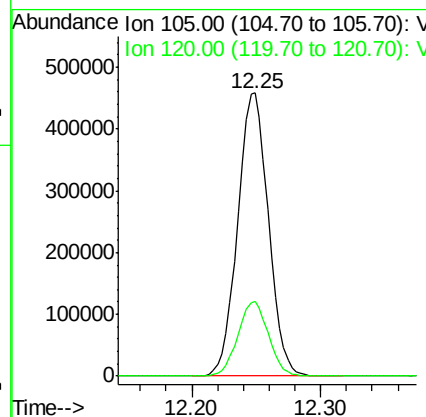
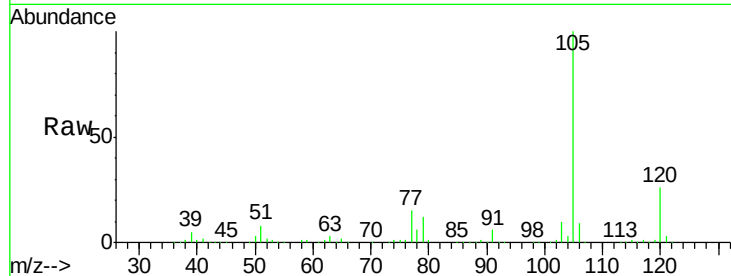
#73
Isopropylbenzene
Concen: 52.816 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 756340
Ion Ratio Lower Upper
105 100
120 26.3 13.4 40.2

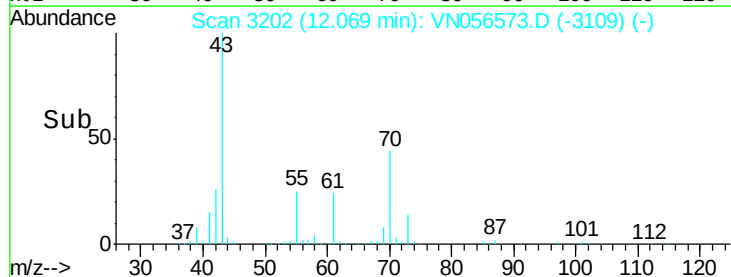
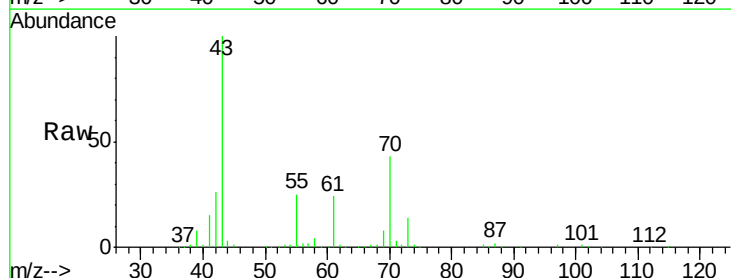
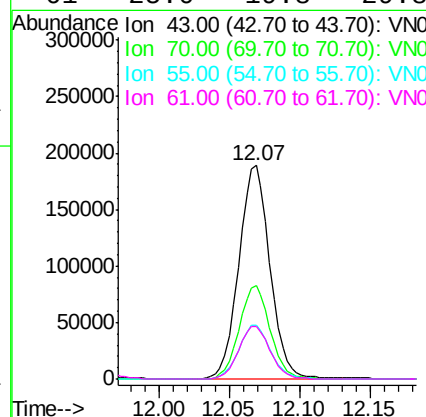
Manual Integrations
APPROVED

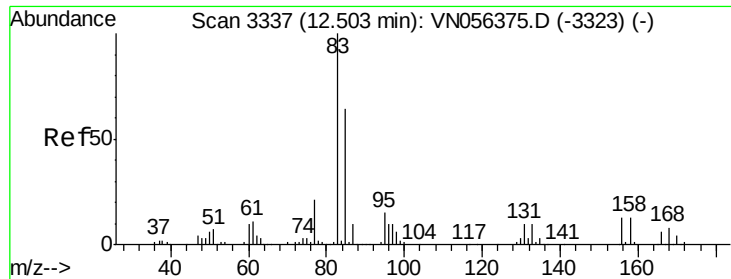
MMDadoda
7/3/2019 9:16:10 AM



#74
N-ethyl acetate
Concen: 47.960 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion: 43 Resp: 291851
Ion Ratio Lower Upper
43 100
70 43.6 34.9 52.3
55 25.7 20.4 30.6
61 25.0 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 55.990 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

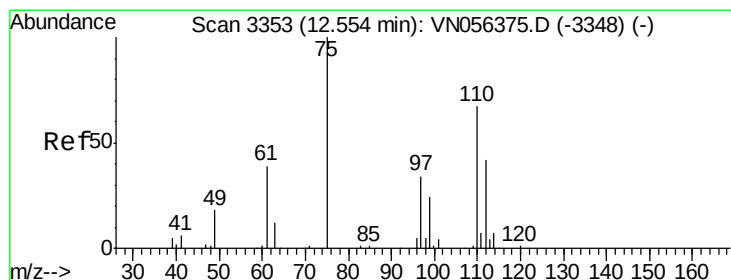
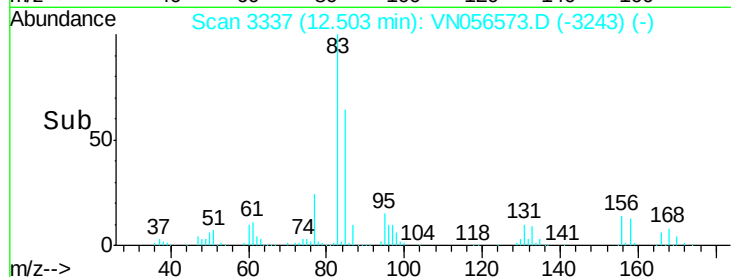
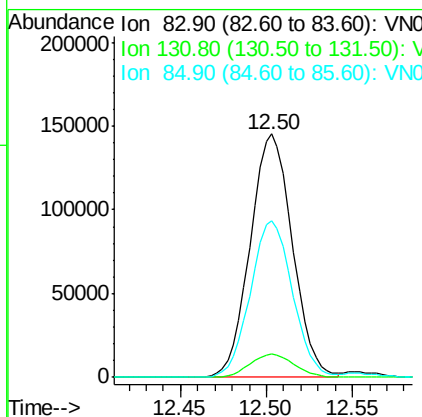
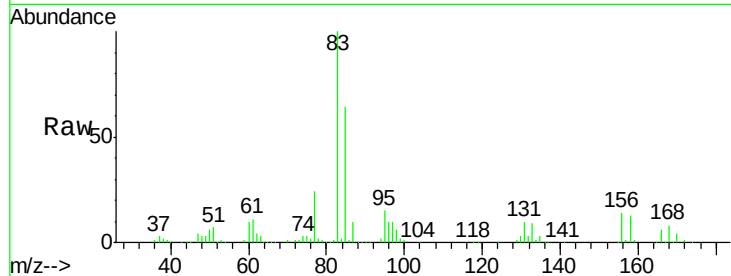
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	247297
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	15.8
85	64.2	32.4	97.0

Manual Integrations
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MMDadoda
7/3/2019 9:16:10 AM



#76

1,2,3-Trichloropropane

Concen: 53.454 ug/l m

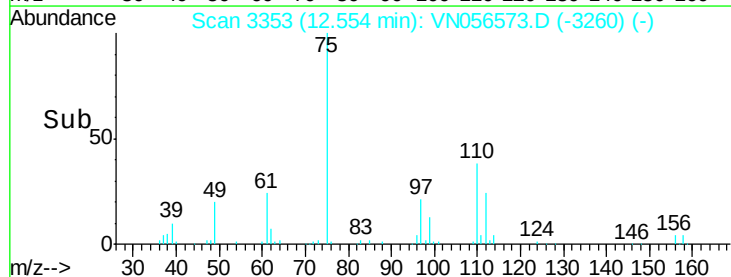
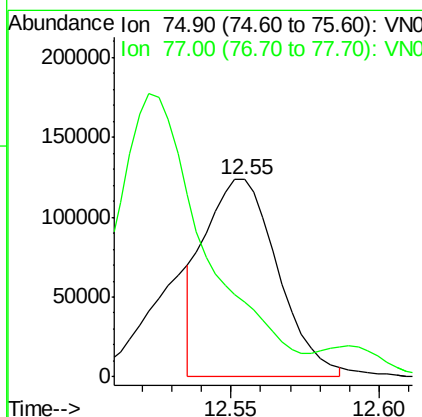
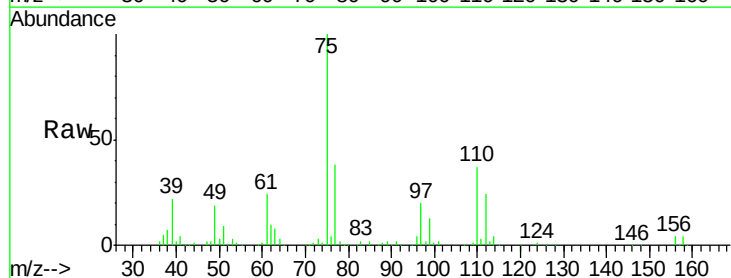
RT: 12.55 min Scan# 3353

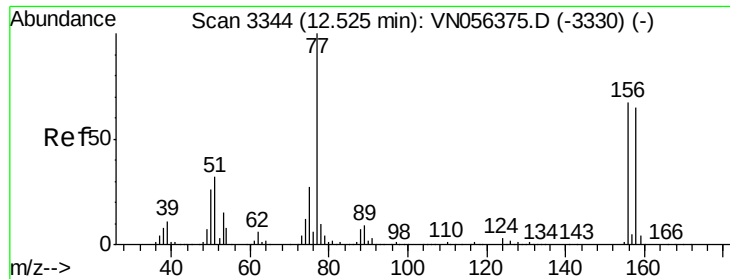
Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Tgt Ion:	75	Resp:	211931
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.171 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

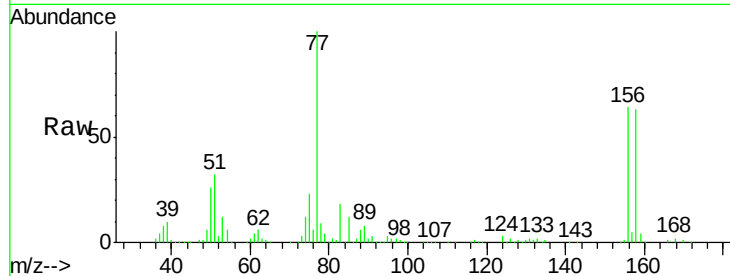
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	197399
Ion Ratio	Lower	Upper	
156	100		
77	188.8	92.5	277.3
158	98.3	48.7	146.1

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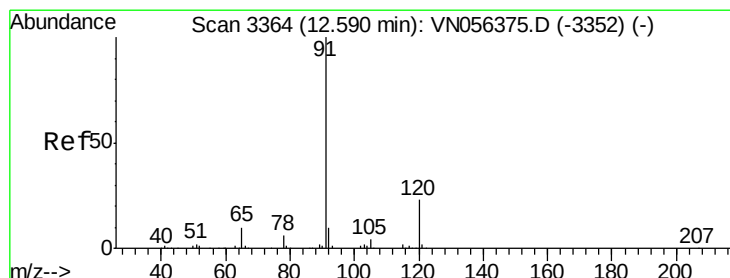
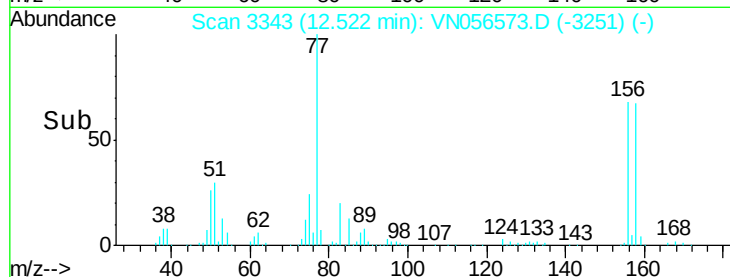
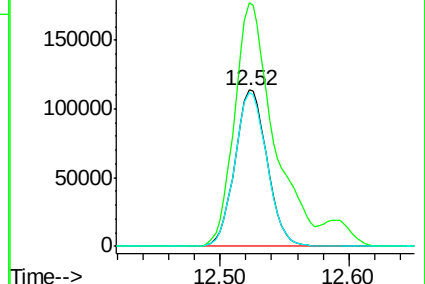
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.717 ug/l

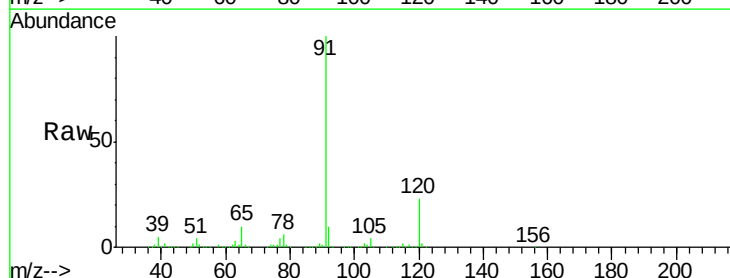
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056573.D

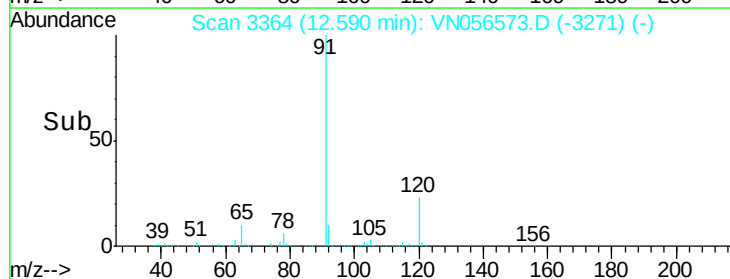
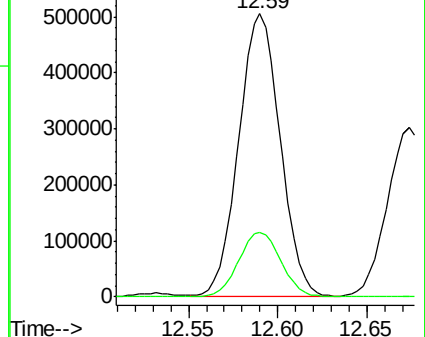
Acq: 1 Jul 2019 15:35

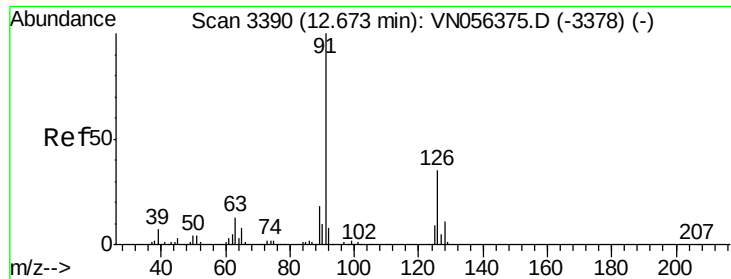
Tgt Ion:	91	Resp:	818009
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





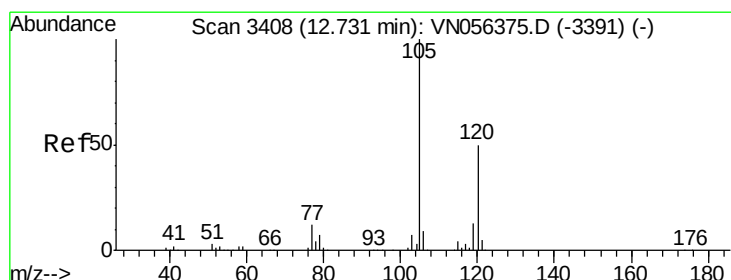
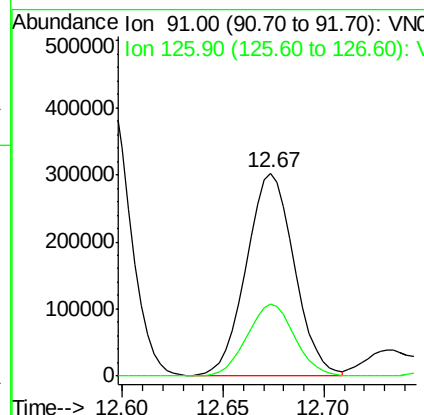
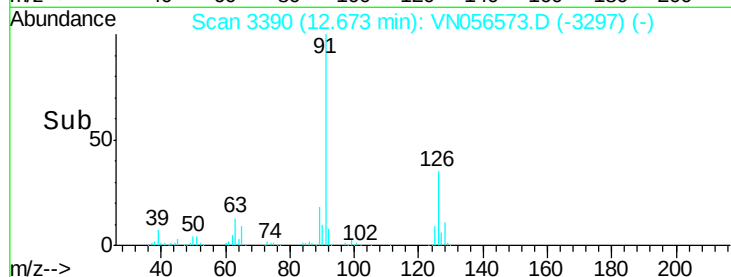
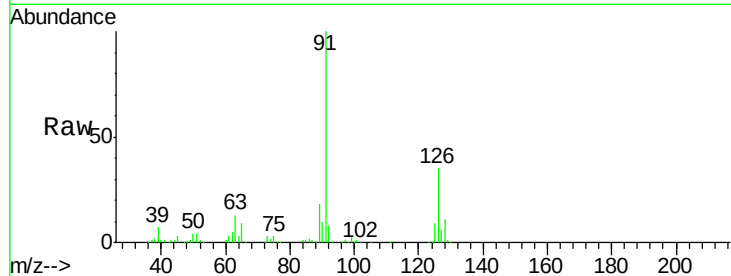
#79
 2-Chlorotoluene
 Concen: 52.226 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 500361
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.6 52.8

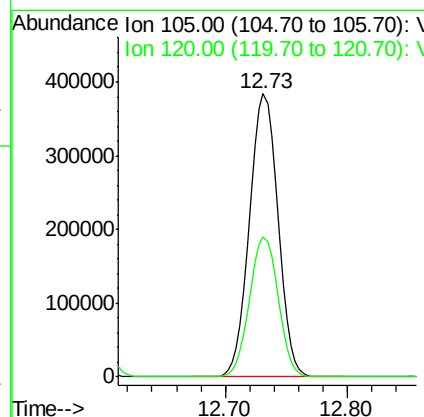
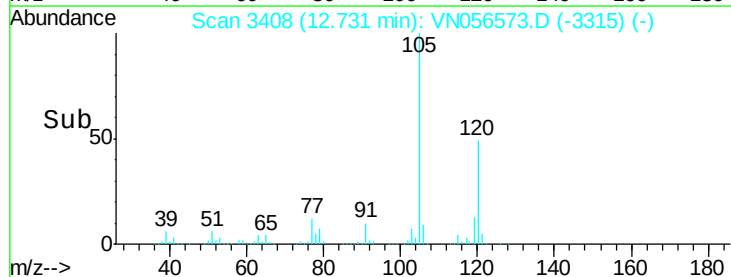
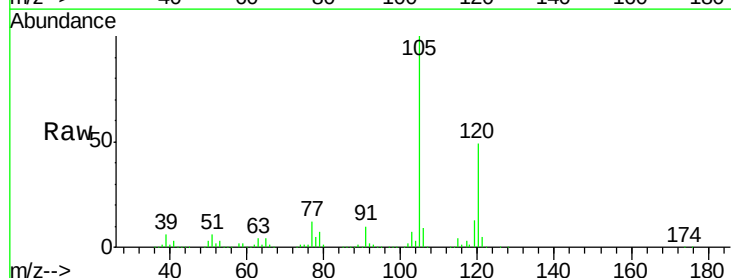
Manual Integrations
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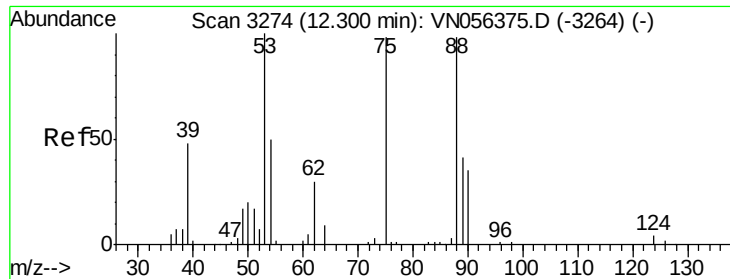
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.199 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion: 105 Resp: 615447
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.8 74.4





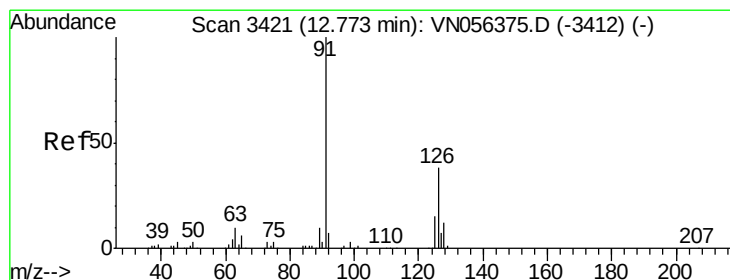
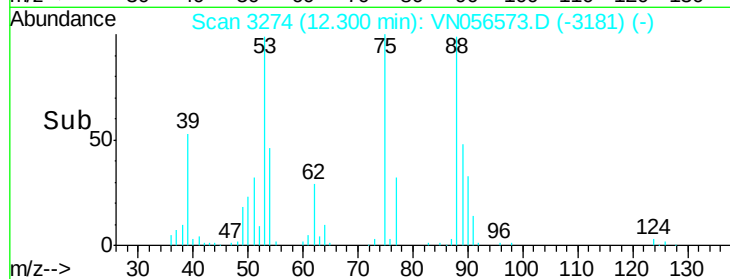
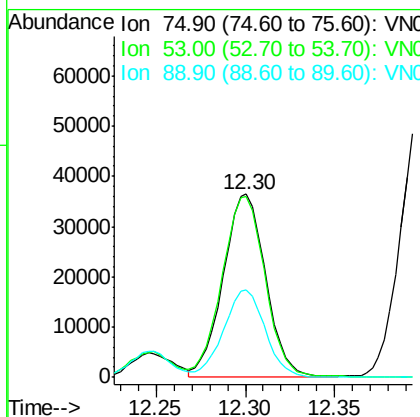
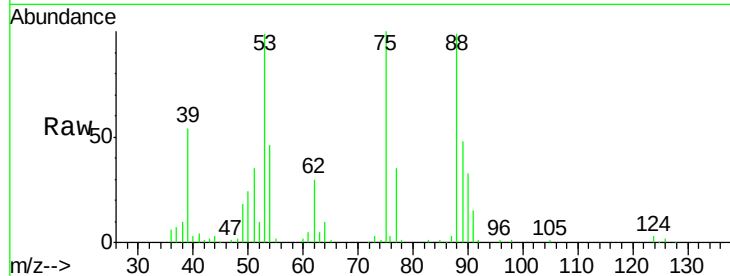
#81
trans-1,4-Dichloro-2-butene
Concen: 54.386 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.0	83.9	125.9
89	46.7	35.0	52.6

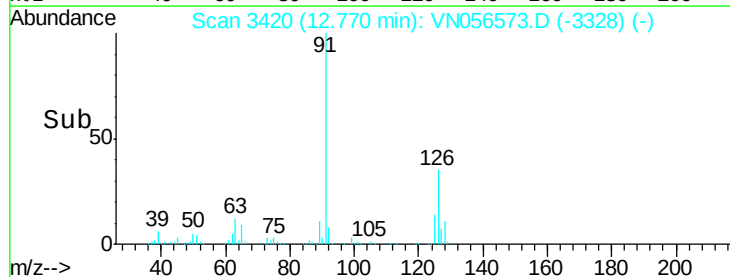
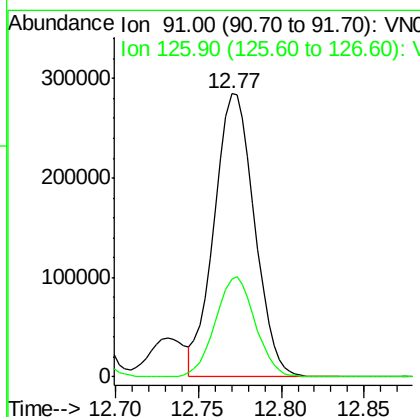
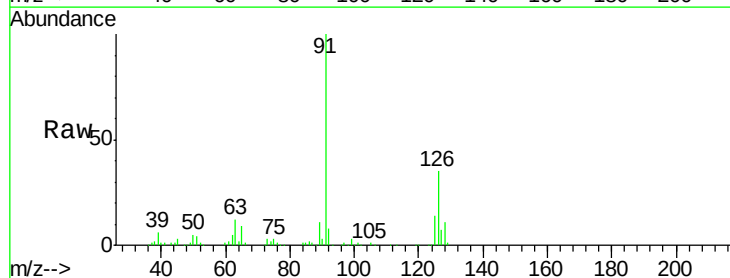
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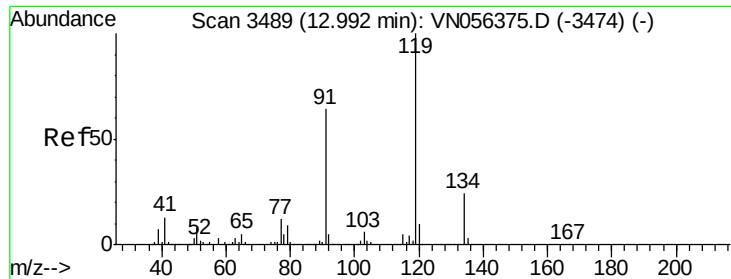
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#82
4-Chlorotoluene
Concen: 46.424 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.3	52.0





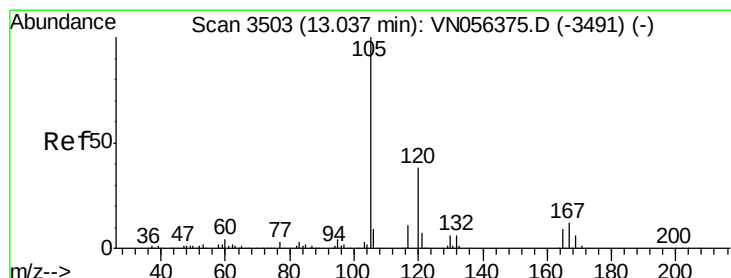
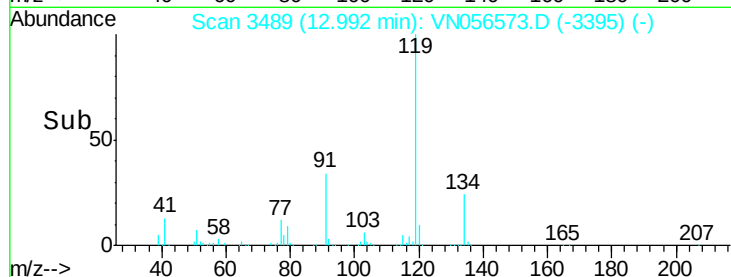
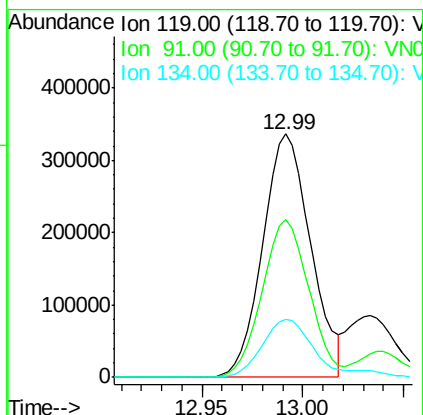
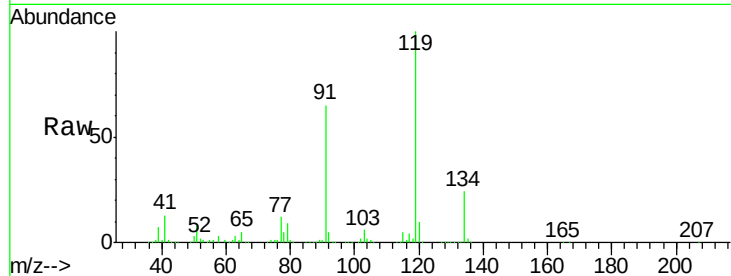
#83
 tert-Butylbenzene
 Concen: 53.276 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.6	94.7
134	26.6	13.2	39.5

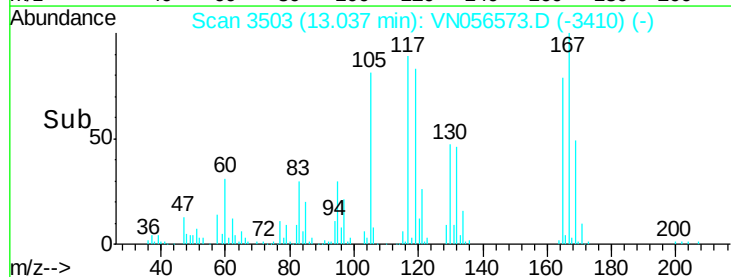
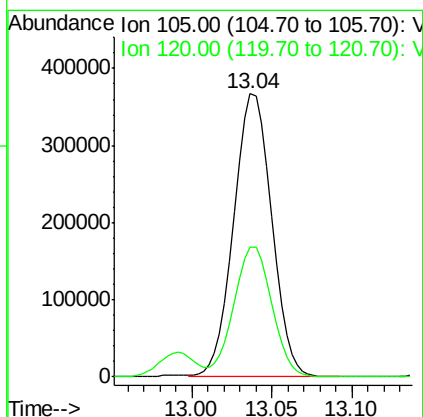
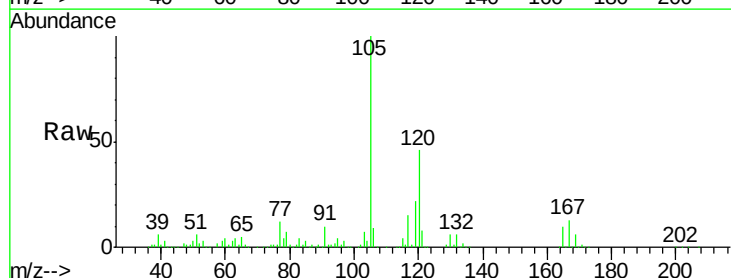
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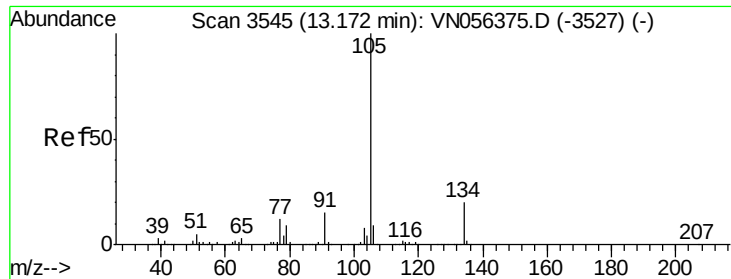
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.102 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 46.371 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 713666

Ion Ratio Lower Upper

105 100

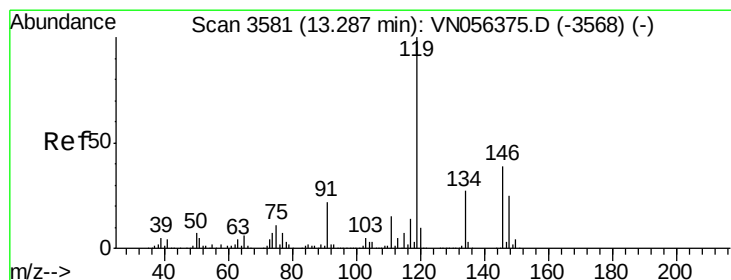
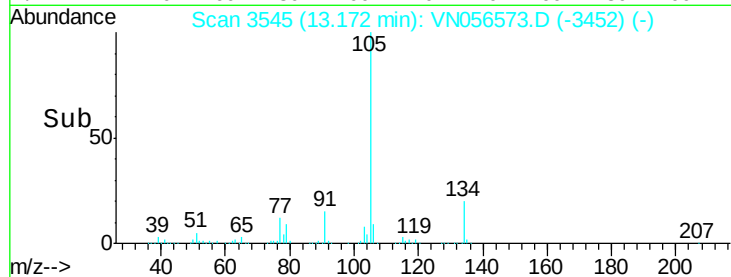
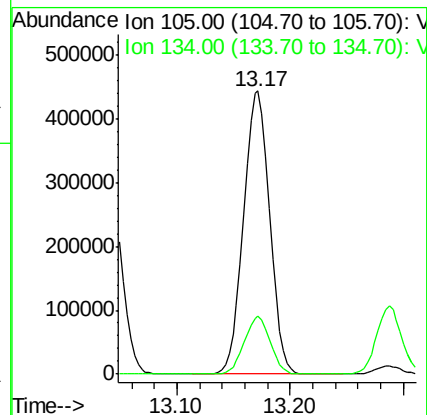
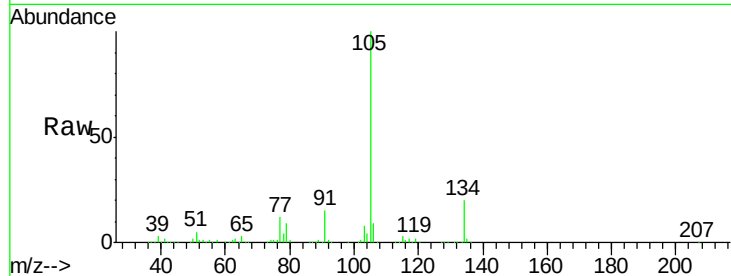
134 20.2 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.550 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

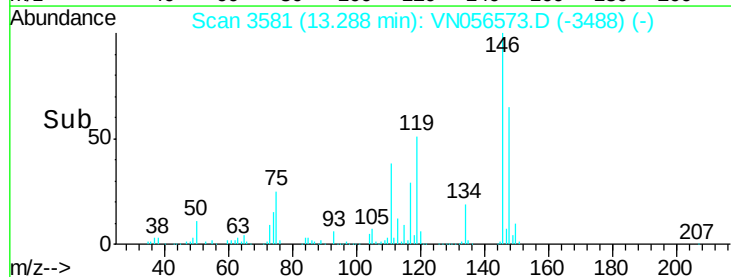
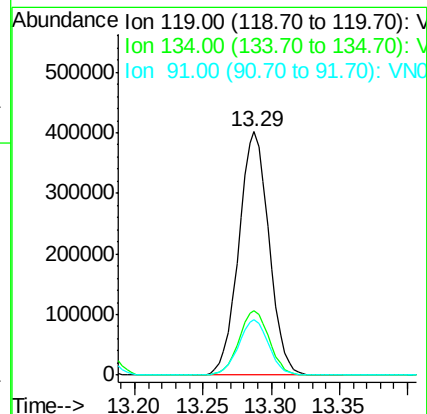
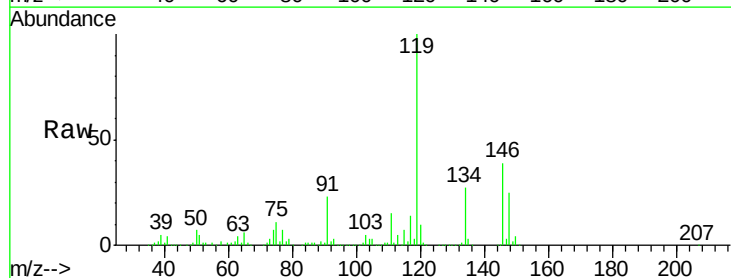
Tgt Ion:119 Resp: 614831

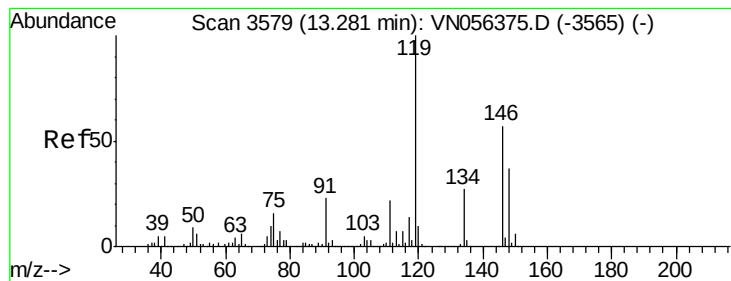
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.7 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 48.408 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

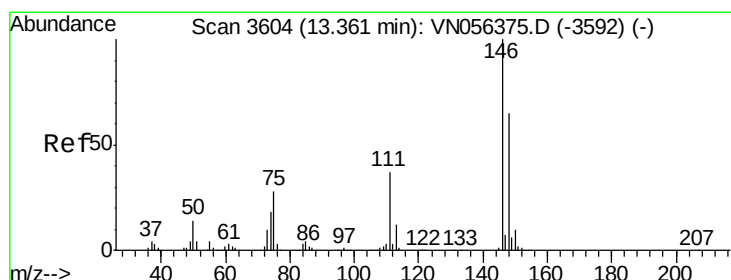
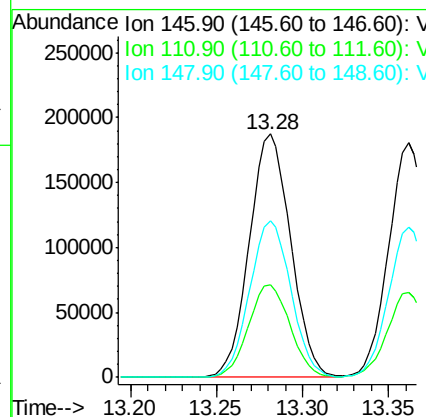
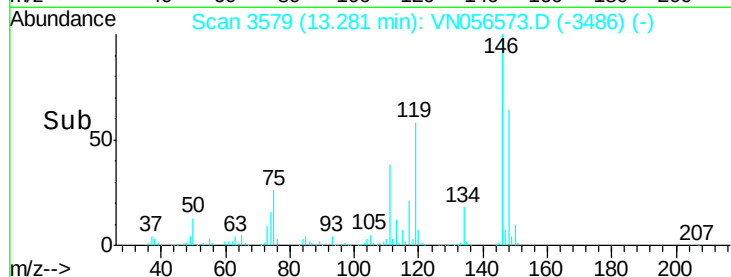
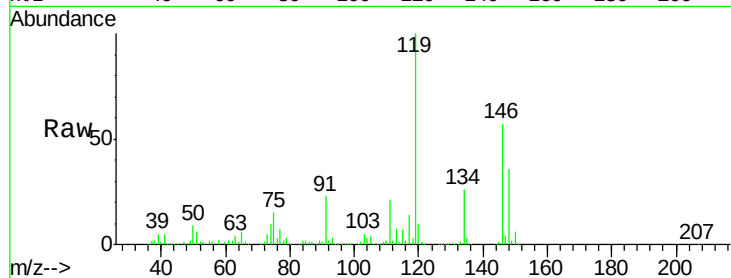
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	313643
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.9	56.9
148	64.1	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.922 ug/l

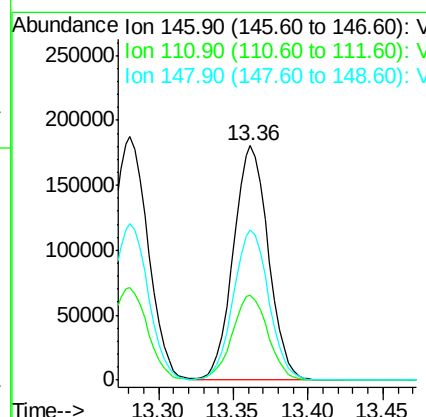
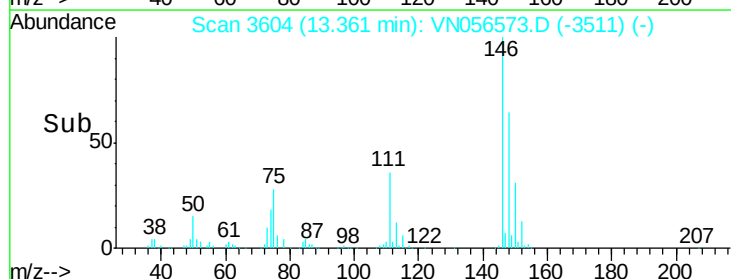
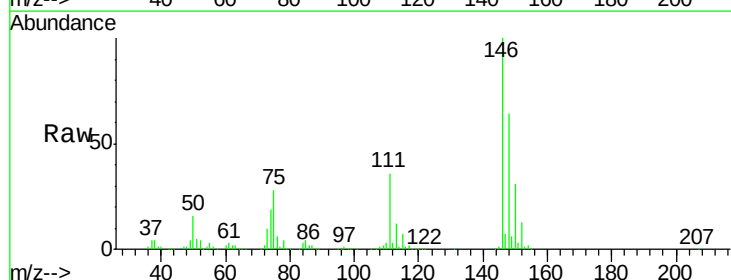
RT: 13.36 min Scan# 3604

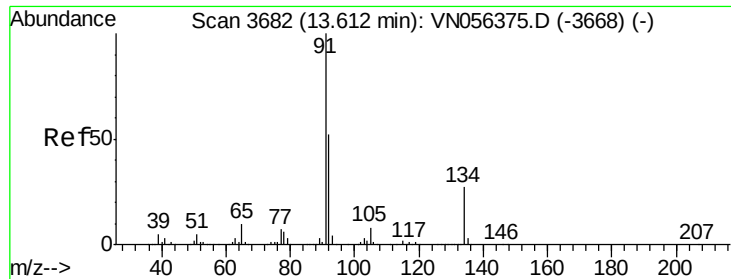
Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Tgt Ion:	146	Resp:	294434
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.4	55.4
148	64.6	32.4	97.0





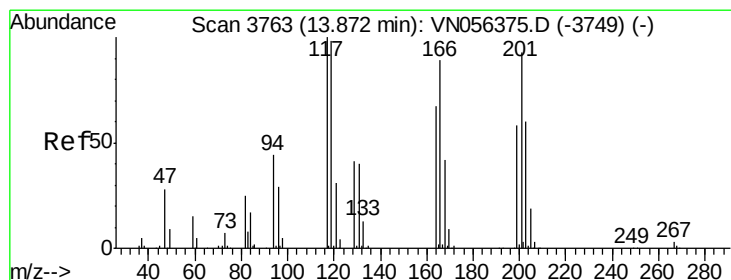
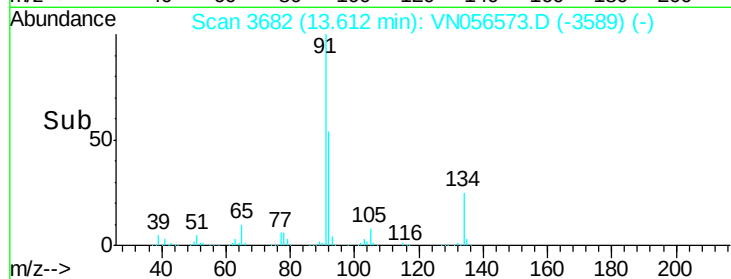
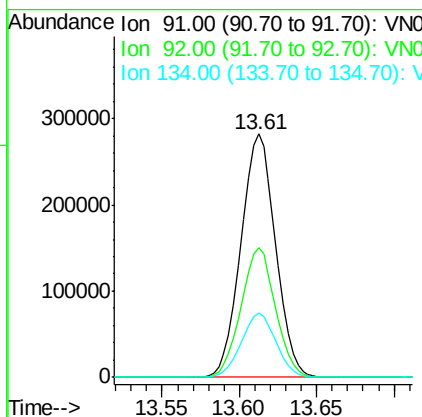
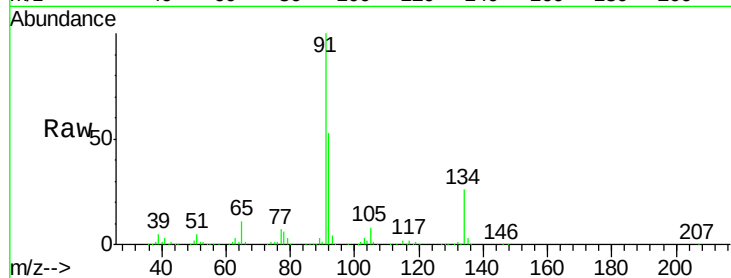
#89
n-Butylbenzene
Concen: 43.824 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.5
134	26.4	13.4	40.2

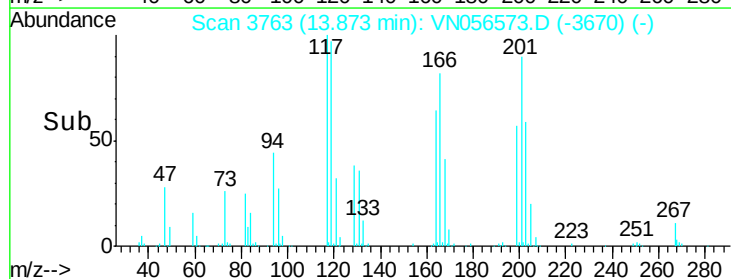
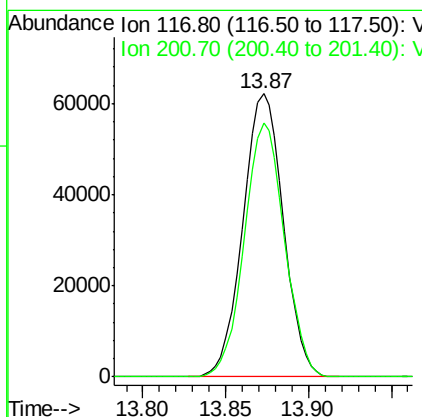
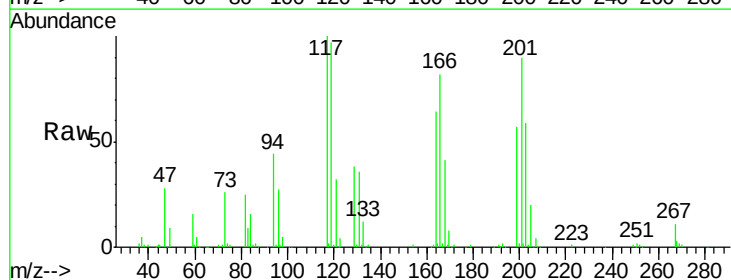
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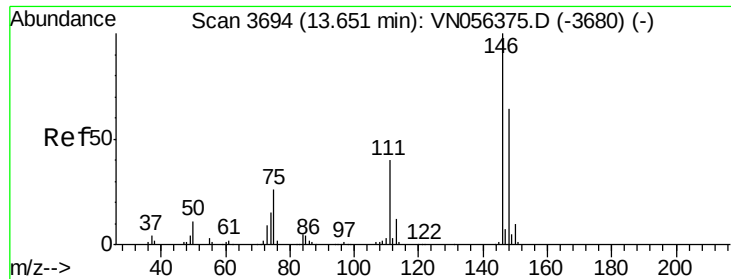
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#90
Hexachloroethane
Concen: 51.142 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056573.D
Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	45.9	137.6





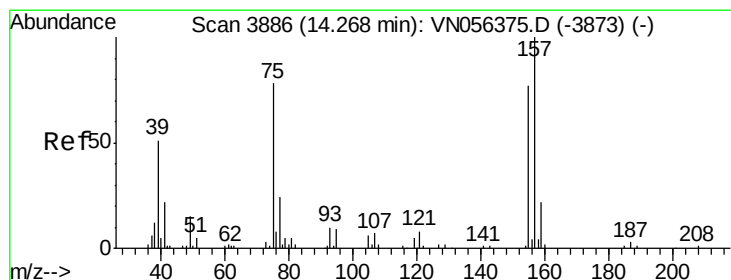
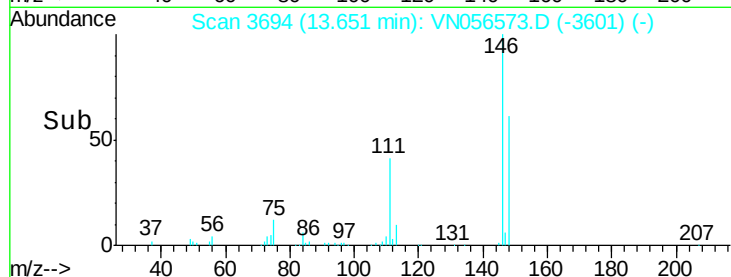
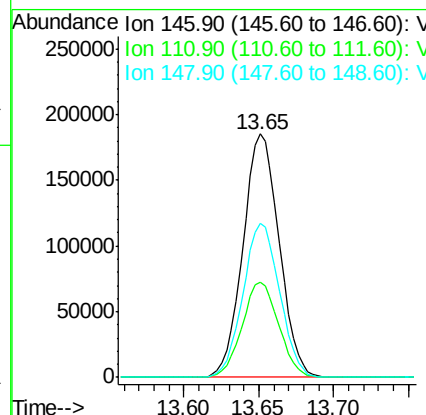
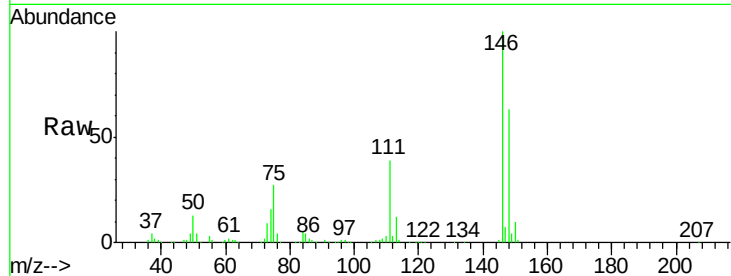
#91
 1,2-Dichlorobenzene
 Concen: 48.559 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.9
148	64.0	32.0	96.0

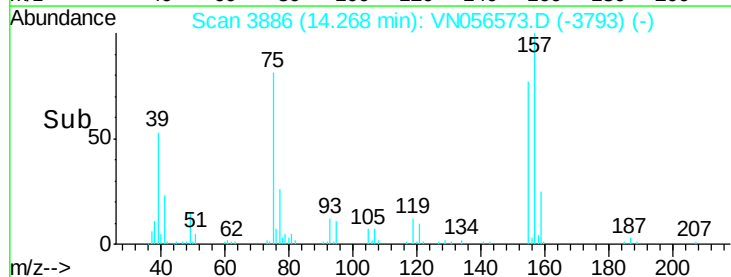
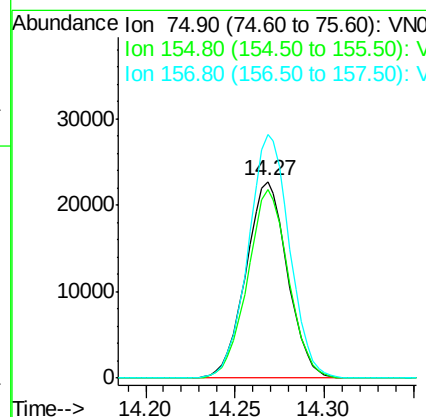
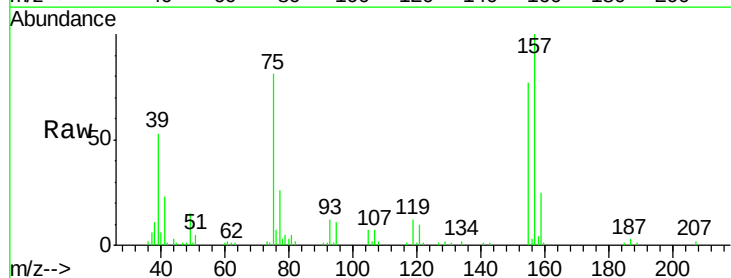
Manual Integrations
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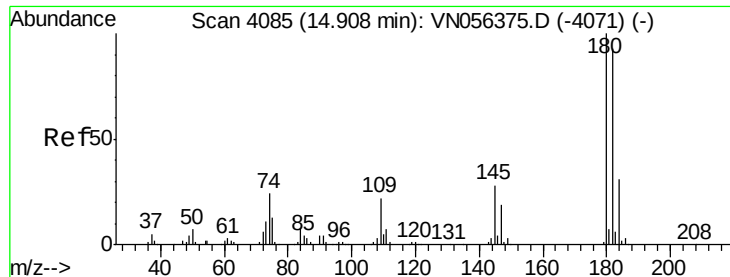
MMDadoda
 7/3/2019 9:16:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.146 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	48.9	146.8
157	123.0	62.9	188.8





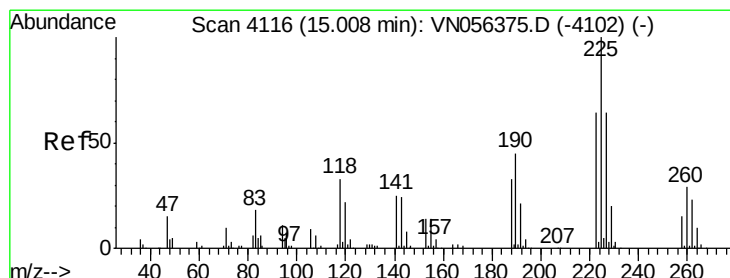
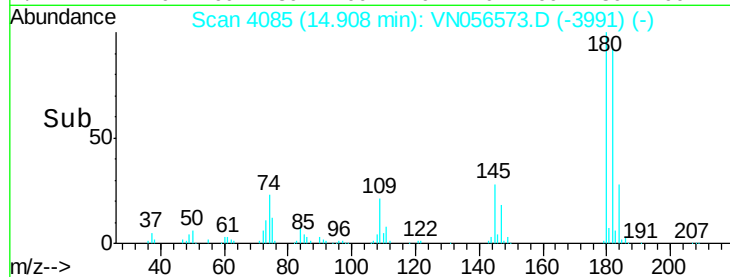
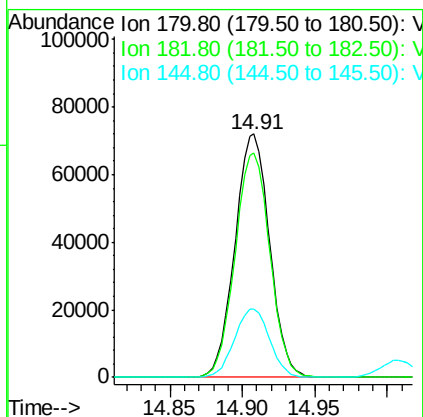
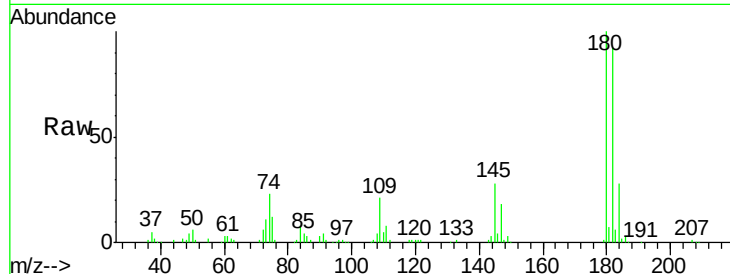
#93
 1,2,4-Trichlorobenzene
 Concen: 37.335 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119619		
182	92.6	46.9	140.6	
145	28.3	14.4	43.0	

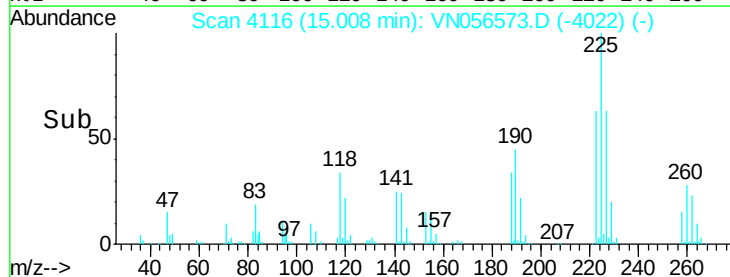
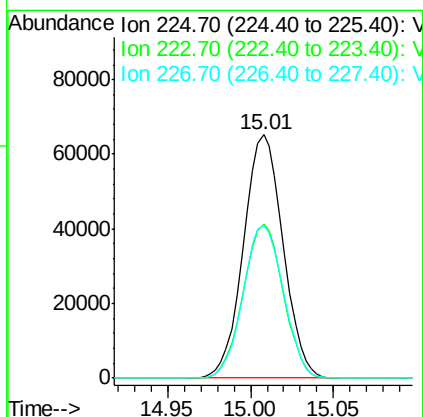
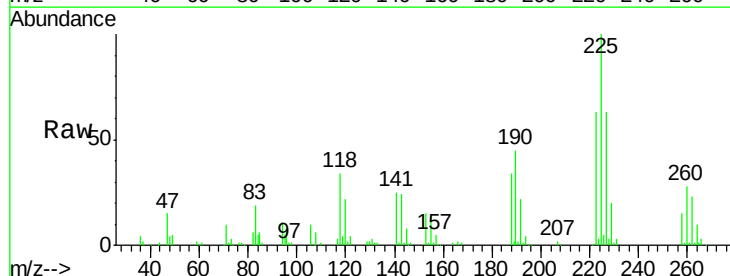
Manual Integrations
 APPROVED

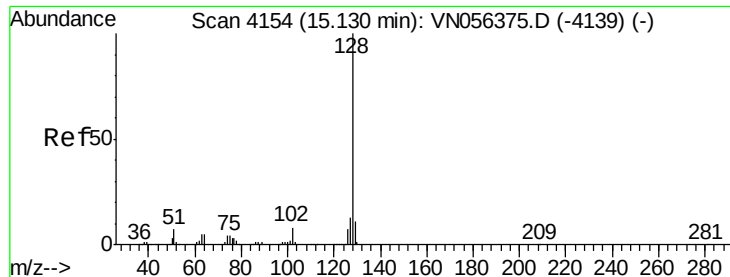
MMDadoda
 7/3/2019 9:16:10 AM



#94
 Hexachlorobutadiene
 Concen: 49.626 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056573.D
 Acq: 1 Jul 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108139		
223	63.9	31.4	94.3	
227	63.9	32.1	96.3	





#95

Naphthalene

Concen: 38.267 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Instrument :

MSVOA_N

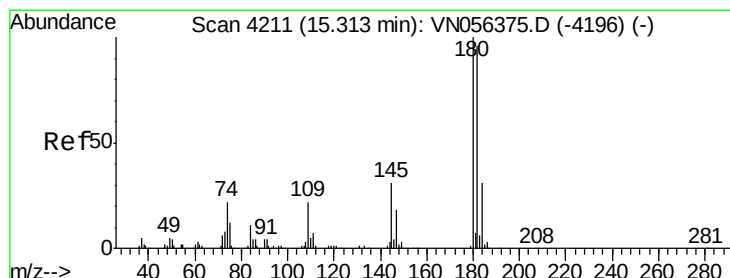
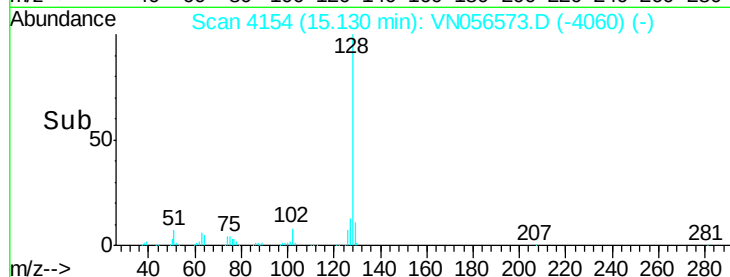
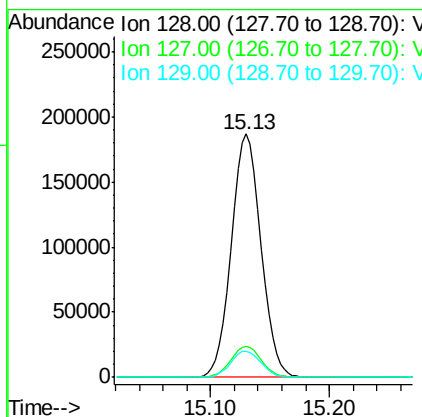
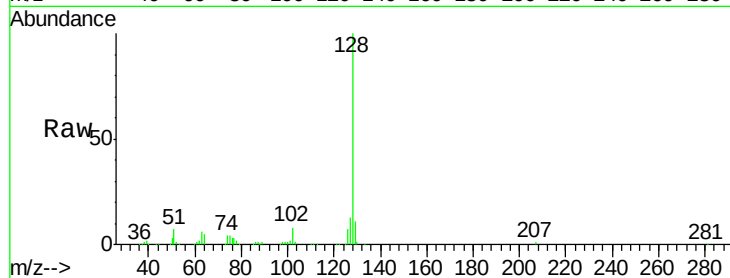
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	322766
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:16:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 39.545 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056573.D

Acq: 1 Jul 2019 15:35

Tgt Ion:	180	Resp:	133597
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.3	144.8
145	30.5	15.4	46.1

