

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055437.D
 Acq On : 7 May 2019 15:04
 Operator : JC/SP
 Sample : VN0507MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:21:59 AM

Quant Time: May 07 16:57:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	341995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	568146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182622	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	243748	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
35) Dibromofluoromethane	7.59	113	186950	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.09	98	660566	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	220872	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	76116	18.165	ug/l	98
3) Chloromethane	2.06	50	88223	17.004	ug/l	97
4) Vinyl Chloride	2.19	62	77183	18.454	ug/l	100
5) Bromomethane	2.57	94	43571	19.668	ug/l	95
6) Chloroethane	2.71	64	42913	18.940	ug/l	98
7) Trichlorofluoromethane	3.02	101	115835	19.477	ug/l	100
8) Diethyl Ether	3.42	74	44242	21.263	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	69304	19.569	ug/l	99
10) Methyl Iodide	3.96	142	91272	18.313	ug/l	99
11) Tert butyl alcohol	4.80	59	34557	134.908	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	66785	19.769	ug/l	99
13) Acrolein	3.61	56	11607	58.022	ug/l	98
14) Allyl chloride	4.33	41	142206	20.324	ug/l	99
15) Acrylonitrile	5.00	53	174077	120.903	ug/l	98
16) Acetone	3.82	43	142476	102.202	ug/l	100
17) Carbon Disulfide	4.06	76	142487	16.161	ug/l	97
18) Methyl Acetate	4.33	43	89716	25.920	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	222106	23.386	ug/l	99
20) Methylene Chloride	4.56	84	81373	19.124	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	70426	19.684	ug/l	95
22) Diisopropyl ether	5.96	45	313231	22.531	ug/l	94
23) Vinyl Acetate	5.90	43	1040433	114.190	ug/l	99
24) 1,1-Dichloroethane	5.85	63	155439	20.985	ug/l	100
25) 2-Butanone	6.84	43	215396	120.817	ug/l	99
26) 2,2-Dichloropropane	6.83	77	102802	20.098	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	85783	21.083	ug/l	99
28) Bromochloromethane	7.20	49	79963	21.416	ug/l	97
29) Tetrahydrofuran	7.22	42	144563	126.633	ug/l	99
30) Chloroform	7.37	83	146997	20.935	ug/l	97
31) Cyclohexane	7.66	56	131622	18.703	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	117667	20.648	ug/l	99
36) 1,1-Dichloropropene	7.79	75	99424	18.270	ug/l	99
37) Ethyl Acetate	6.94	43	91307	21.892	ug/l #	79
38) Carbon Tetrachloride	7.78	117	96208	18.327	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	110742	19.140	ug/l	95
40) Benzene	8.04	78	318028	19.824	ug/l	99
41) Methacrylonitrile	7.18	41	51143	23.061	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	114436	20.140	ug/l	100
43) Isopropyl Acetate	8.17	43	160847	23.997	ug/l #	87
44) Trichloroethene	8.84	130	76278	18.651	ug/l	97
45) 1,2-Dichloropropane	9.12	63	95240	20.584	ug/l	100
46) Dibromomethane	9.21	93	51617	20.409	ug/l	99
47) Bromodichloromethane	9.40	83	110333	20.335	ug/l	99
48) Methyl methacrylate	9.20	41	72579	22.026	ug/l	98
49) 1,4-Dioxane	9.20	88	16301	478.564	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	461310	122.242	ug/l	97
52) Toluene	10.16	92	186835	20.298	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	96034	20.389	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	118838	20.236	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	74737	21.865	ug/l	99
56) Ethyl methacrylate	10.43	69	96860	23.023	ug/l	99
57) 1,3-Dichloropropane	10.71	76	127011	21.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	100199	85.338	ug/l	99
59) 2-Hexanone	10.75	43	281577	119.253	ug/l	99
60) Dibromochloromethane	10.90	129	74803	21.412	ug/l	100
61) 1,2-Dibromoethane	11.01	107	68764	21.765	ug/l	98
64) Tetrachloroethene	10.63	164	77703	19.839	ug/l	98
65) Chlorobenzene	11.43	112	188793	20.161	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	74216	20.241	ug/l	99
67) Ethyl Benzene	11.51	91	341445	20.192	ug/l	98
68) m/p-Xylenes	11.62	106	246263	40.801	ug/l	99
69) o-Xylene	11.95	106	122870	20.538	ug/l	99
70) Styrene	11.96	104	199232	21.690	ug/l	100
71) Bromoform	12.13	173	45048	22.141	ug/l #	94
73) Isopropylbenzene	12.25	105	333466	21.122	ug/l	99
74) N-amyl acetate	12.07	43	99551	21.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	89828	23.116	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	75452m	20.755	ug/l	
77) Bromobenzene	12.53	156	77907	21.087	ug/l	97
78) n-propylbenzene	12.59	91	362412	19.319	ug/l	99
79) 2-Chlorotoluene	12.67	91	222822	20.967	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	277973	19.416	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19593	20.332	ug/l	87
82) 4-Chlorotoluene	12.77	91	211032	19.348	ug/l	99
83) tert-Butylbenzene	12.99	119	238787	21.929	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	263686	20.593	ug/l	98
85) sec-Butylbenzene	13.17	105	312273	20.067	ug/l	100
86) p-Isopropyltoluene	13.29	119	264781	20.702	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	123330	20.182	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	118323	20.560	ug/l	97
89) n-Butylbenzene	13.61	91	184989	20.354	ug/l	97
90) Hexachloroethane	13.87	117	46793	22.231	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	124988	20.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12126	25.239	ug/l	98

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ALS Vial : 10 Sample Multiplier: 1

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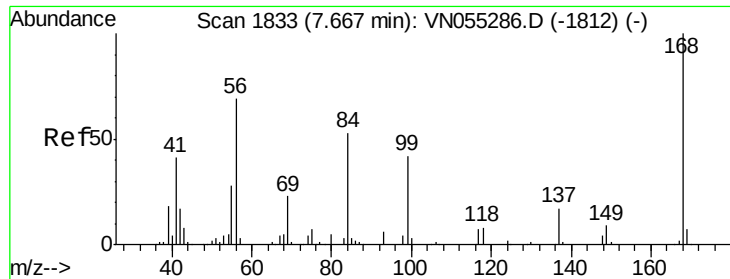
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	38525	18.377	ug/l	98
94) Hexachlorobutadiene	15.01	225	45887	23.706	ug/l	96
95) Naphthalene	15.13	128	84498	18.866	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	42888	19.898	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Tot Ion: 168 Resp: 341995

Ion Ratio Lower Upper

168 100

99 54.6 43.6 65.4

Instrument :

MSVOA_N

ClientSampleId :

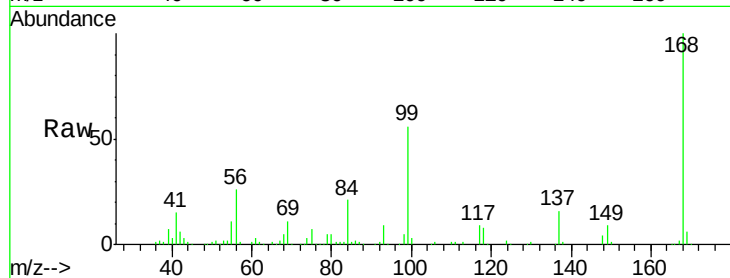
VN0507MBS01

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN055286.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1812) (-)

7.67

150000

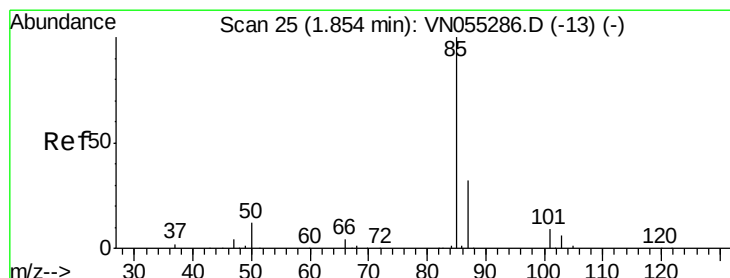
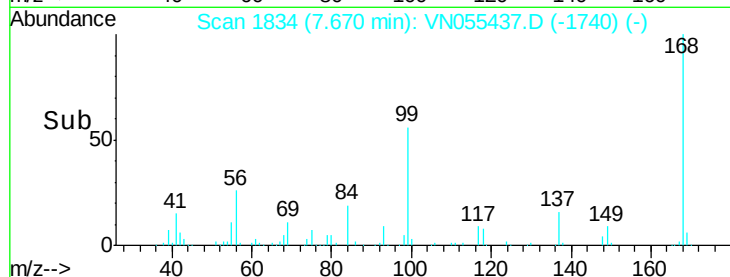
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50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 18.165 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055437.D

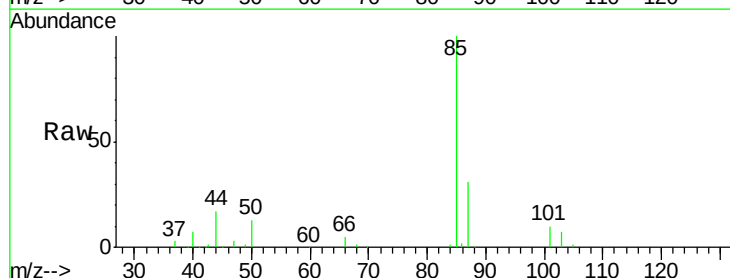
Acq: 7 May 2019 15:04

Tgt Ion: 85 Resp: 76116

Ion Ratio Lower Upper

85 100

87 31.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055286.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055286.D (-13) (-)

1.85

60000

50000

40000

30000

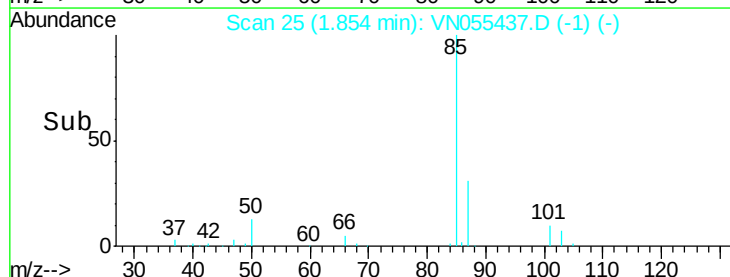
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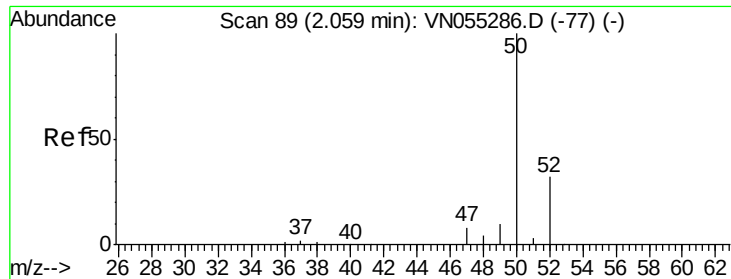
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.004 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS01

Tot Ion: 50 Resp: 88223

Ion Ratio Lower Upper

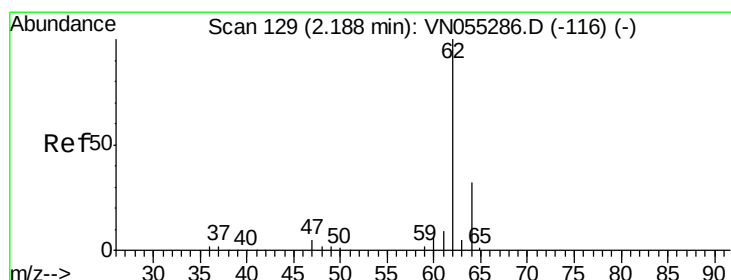
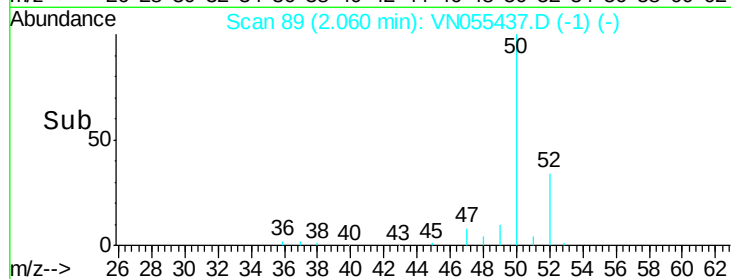
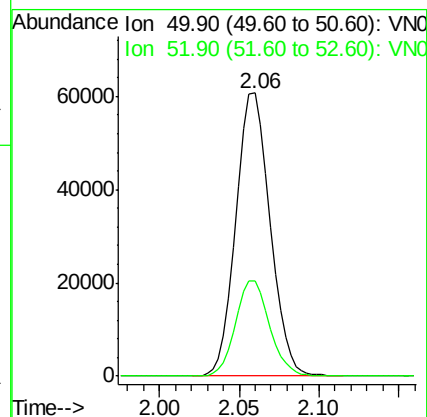
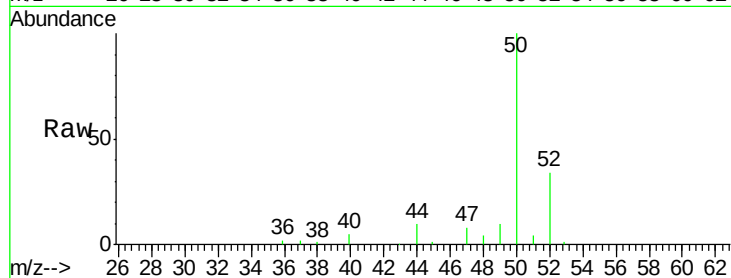
50 100

52 33.5 25.7 38.5

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5/8/2019 10:21:59 AM



#4

Vinyl Chloride

Concen: 18.454 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055437.D

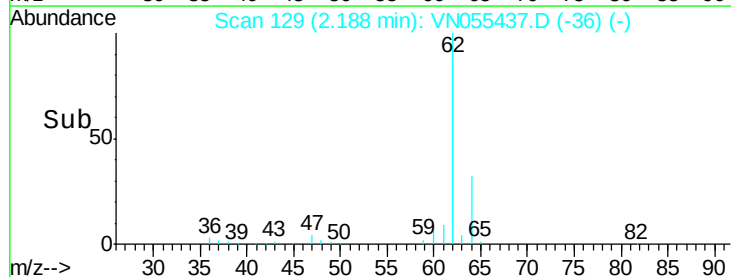
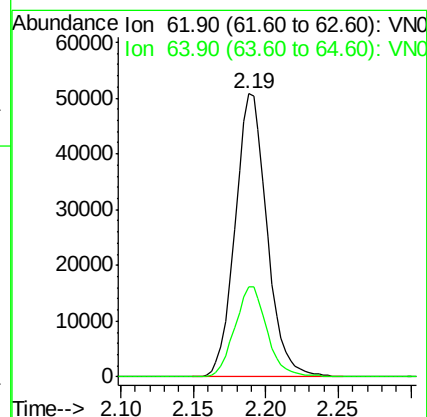
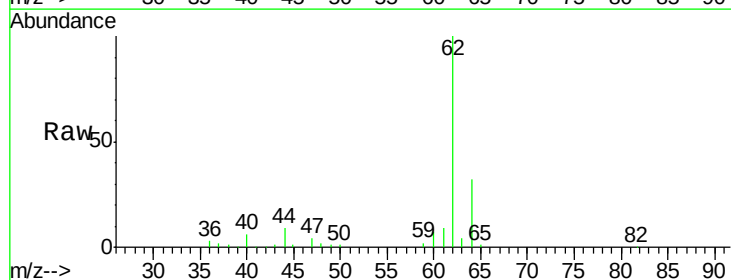
Acq: 7 May 2019 15:04

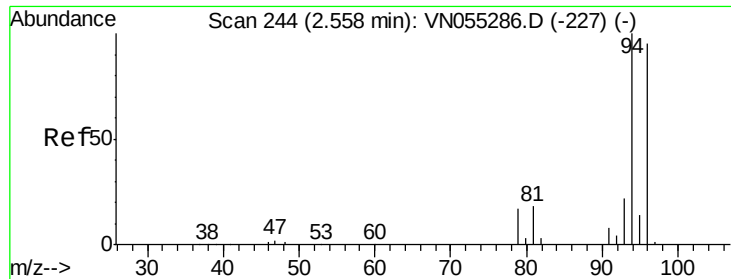
Tgt Ion: 62 Resp: 77183

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 19.668 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

VN0507MBS01

Tot Ion: 94 Resp: 43571

Ion Ratio Lower Upper

94 100

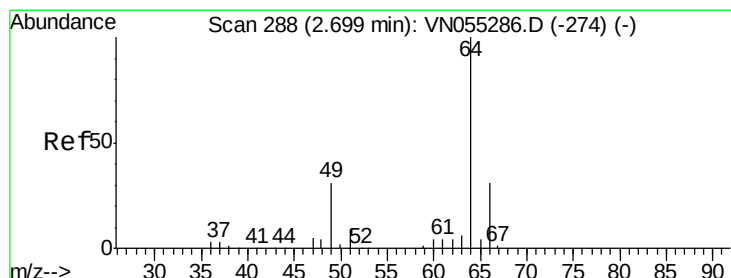
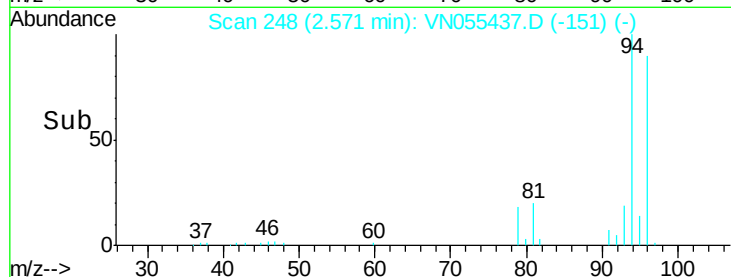
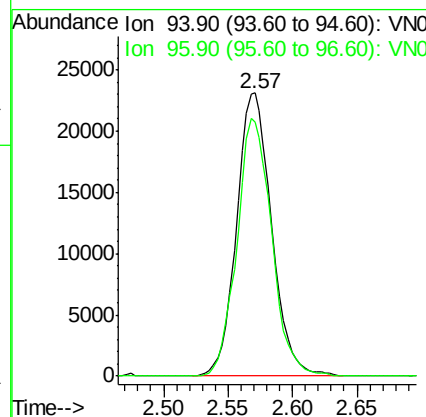
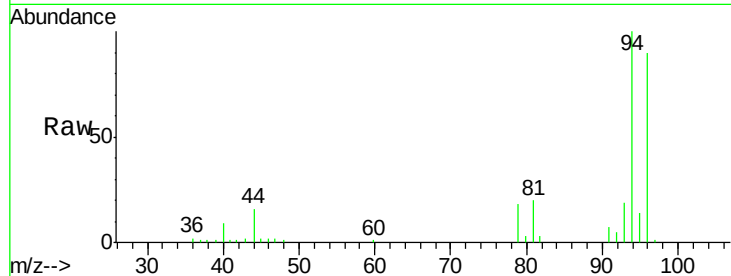
96 89.8 76.0 114.0

Manual Integrations

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5/8/2019 10:21:59 AM



#6

Chloroethane

Concen: 18.940 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN055437.D

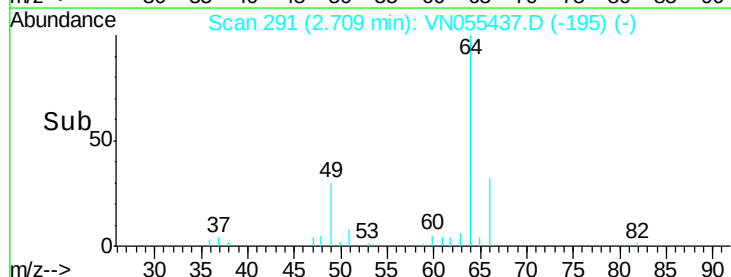
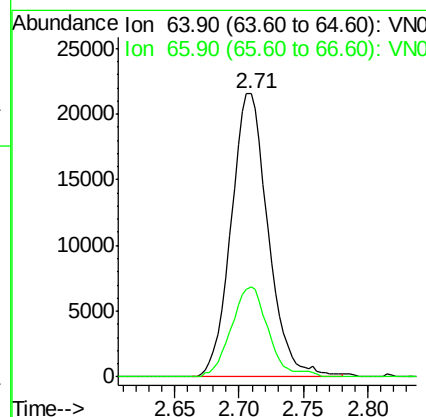
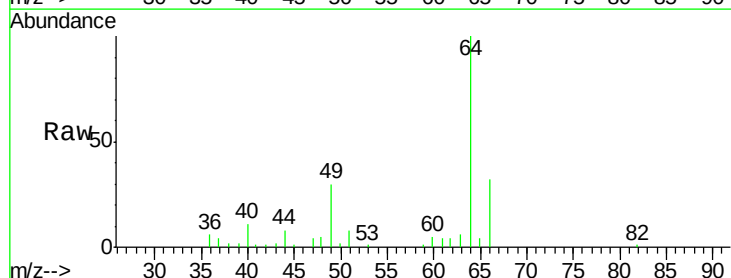
Acq: 7 May 2019 15:04

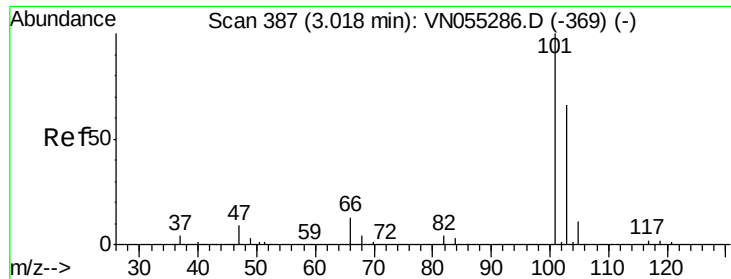
Tgt Ion: 64 Resp: 42913

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.4





#7

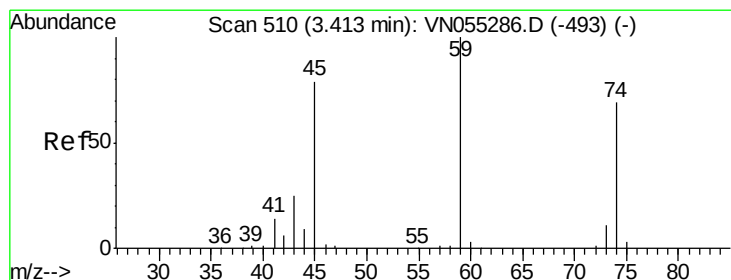
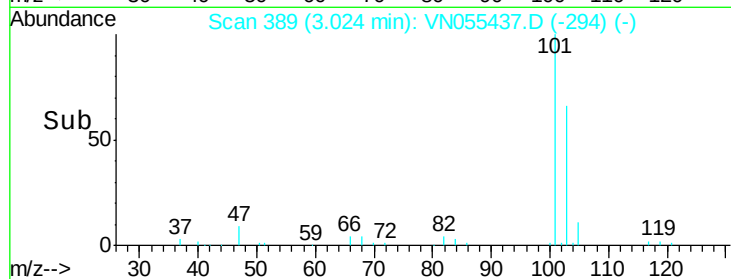
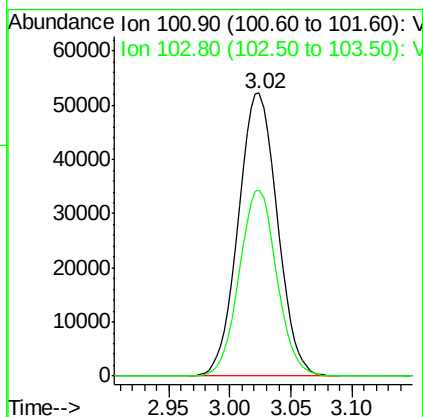
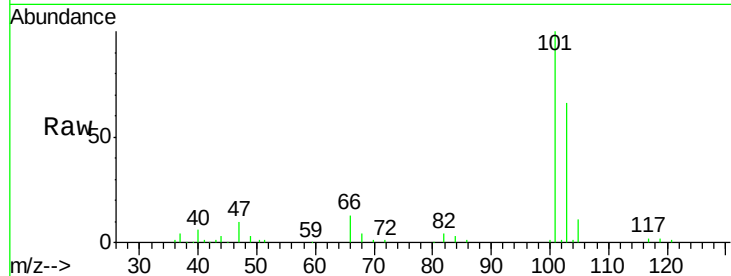
Trichlorofluoromethane
Concen: 19.477 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampled :
VN0507MBS01

Tot Ion:101 Resp: 115835
Ion Ratio Lower Upper
101 100
103 66.0 52.6 79.0

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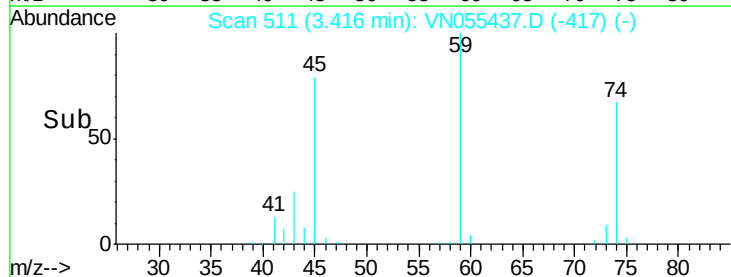
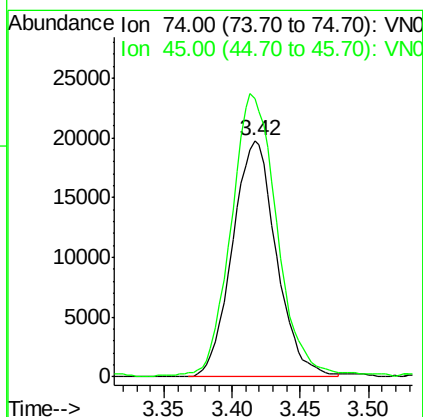
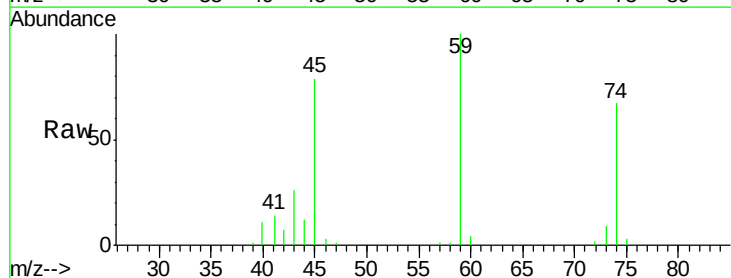
MMDadoda
5/8/2019 10:21:59 AM

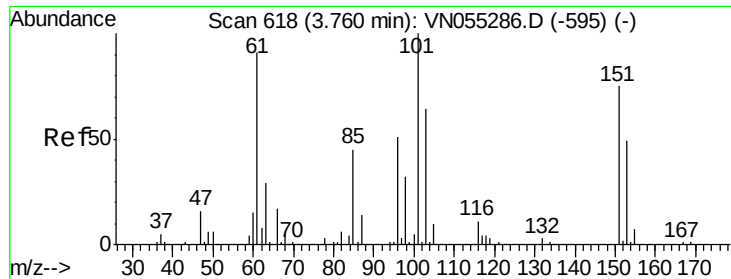


#8

Diethyl Ether
Concen: 21.263 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion: 74 Resp: 44242
Ion Ratio Lower Upper
74 100
45 126.0 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.569 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

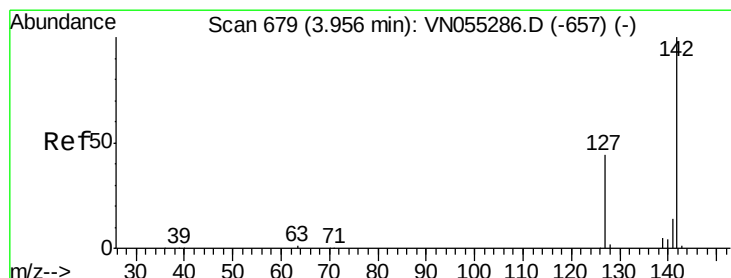
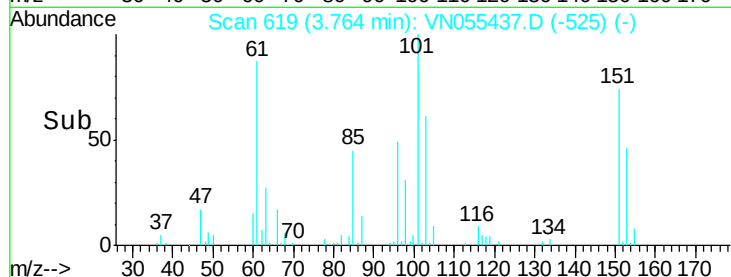
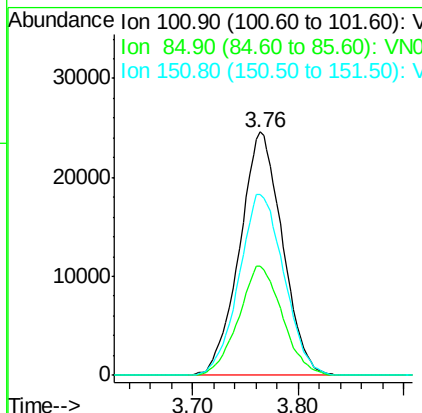
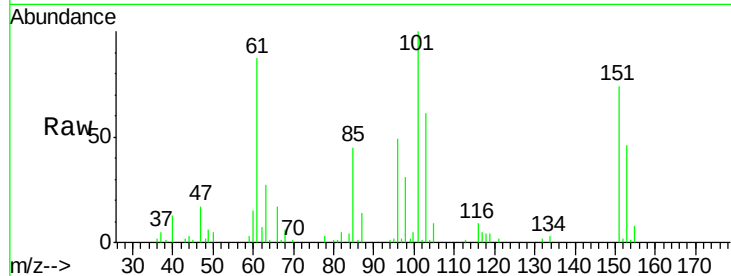
ClientSampleId :

VN0507MBS01

Tot Ion:	101	Resp:	69304
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.7	53.5
151	78.1	63.3	94.9

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5/8/2019 10:21:59 AM



#10

Methyl Iodide

Concen: 18.313 ug/l

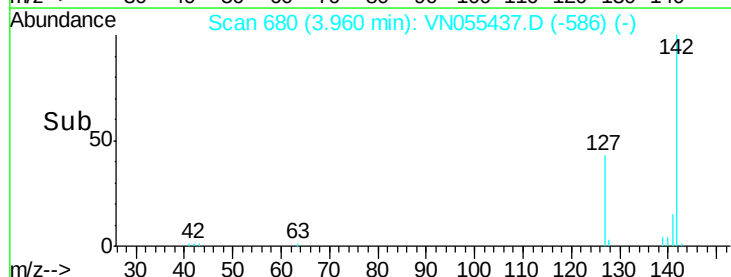
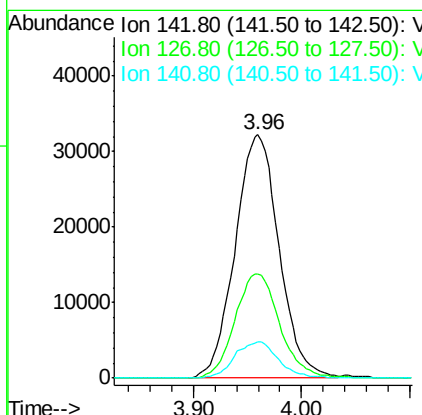
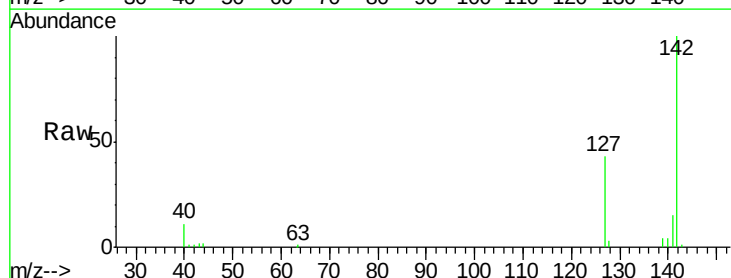
RT: 3.96 min Scan# 680

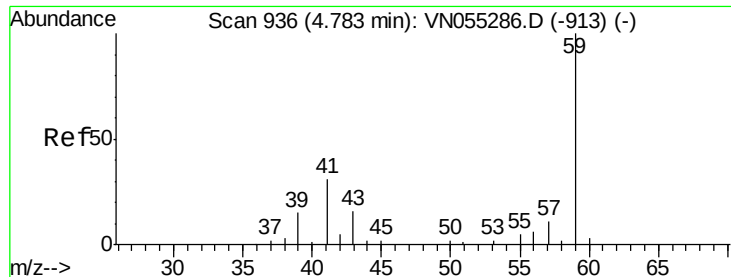
Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Tgt Ion:	142	Resp:	91272
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.4	51.6
141	14.8	11.5	17.3





#11

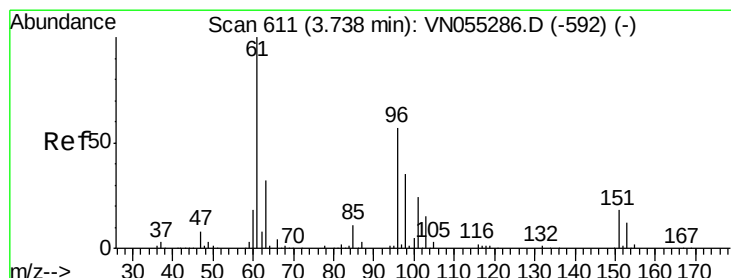
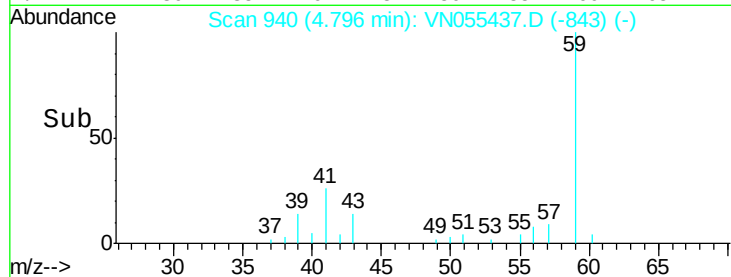
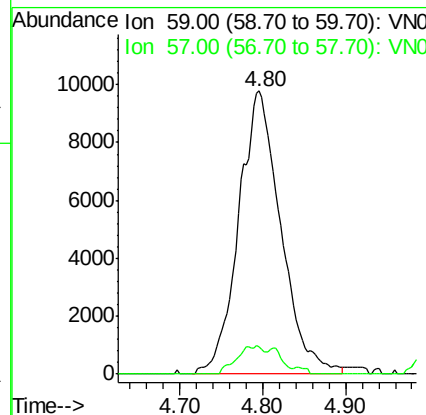
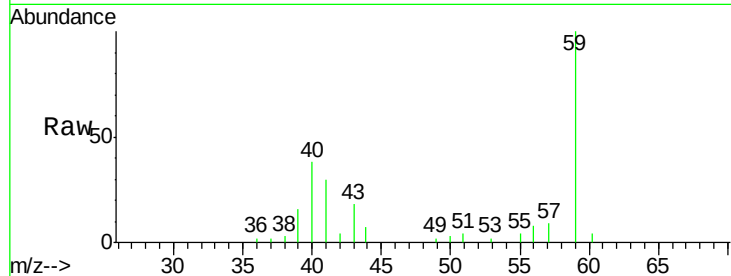
Tert butyl alcohol
Concen: 134.908 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampled :
VN0507MBS01

Tot Ion	59	57	Ratio	100	0.0	Resp:	34557	Lower	Upper
59	100								
57		0.0				8.2		12.2	

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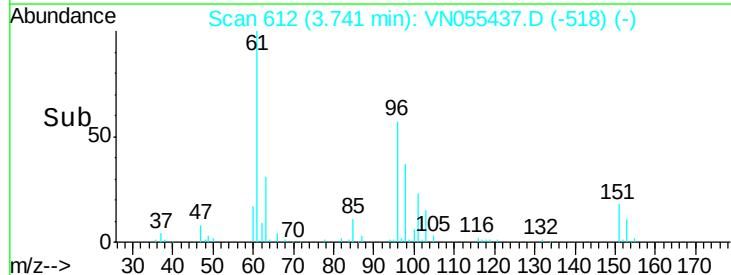
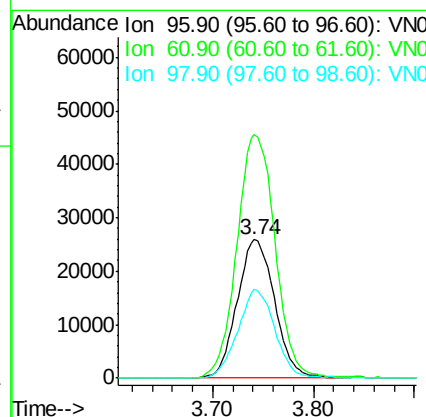
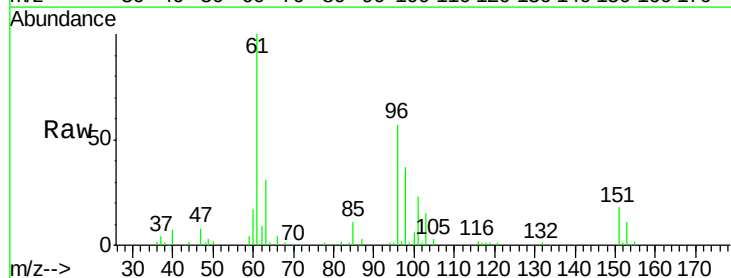
MMDadoda
5/8/2019 10:21:59 AM

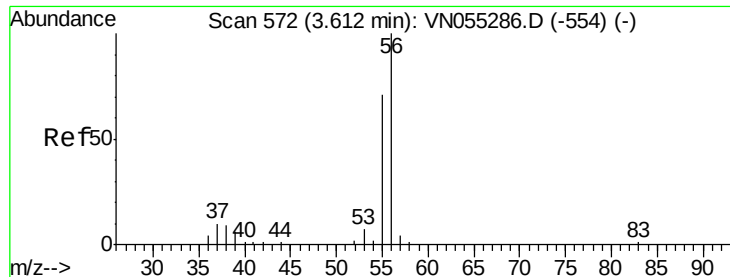


#12

1,1-Dichloroethene
Concen: 19.769 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion	96	61	98	Ratio	100	175.9	64.3	Resp:	66785	Lower	Upper
96	100										
61		175.9				140.9				211.3	
98			64.3				50.0				75.0





#13

Acrolein

Concen: 58.022 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS01

Tot Ion: 56 Resp: 11607

Ion Ratio Lower Upper

56 100

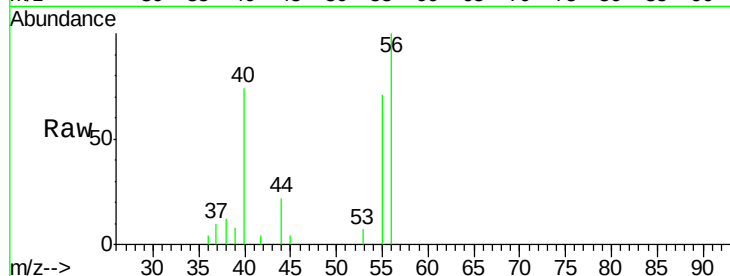
55 70.1 57.4 86.2

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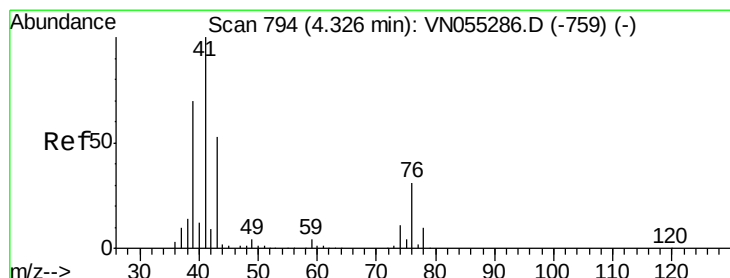
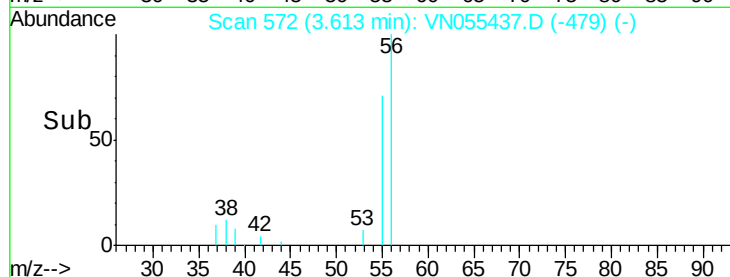
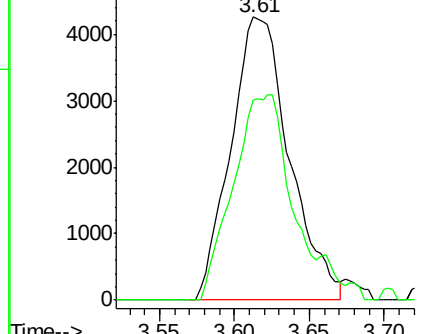
MMDadoda

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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: 20.324 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

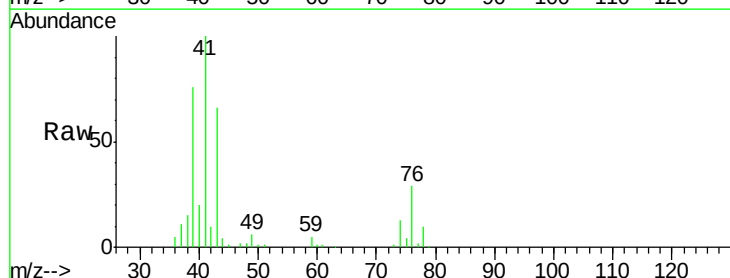
Tgt Ion: 41 Resp: 142206

Ion Ratio Lower Upper

41 100

39 66.9 53.0 79.6

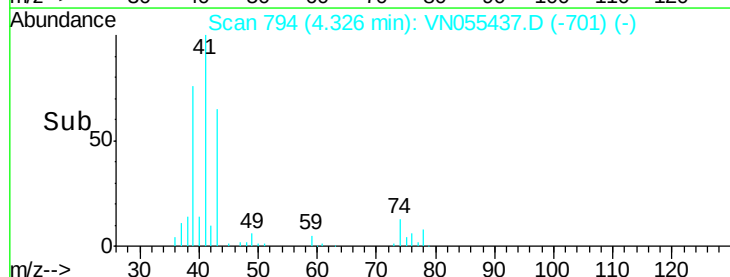
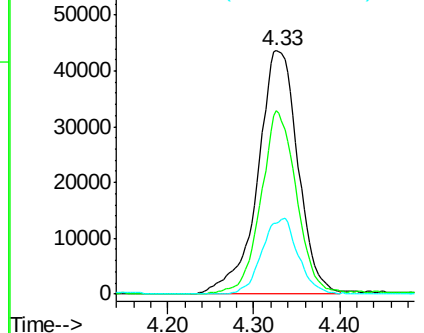
76 28.0 22.7 34.1

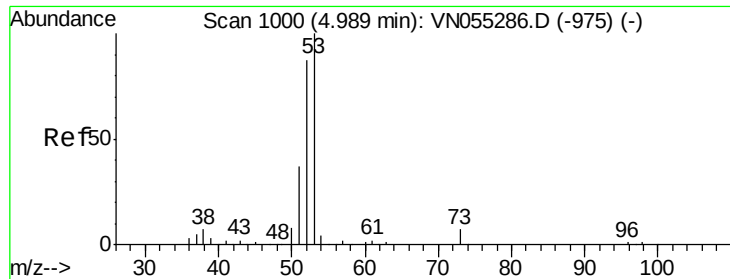


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 120.903 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

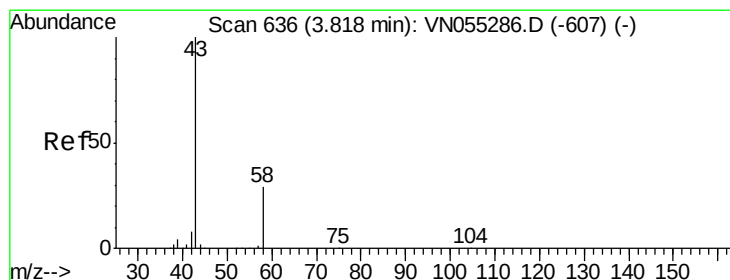
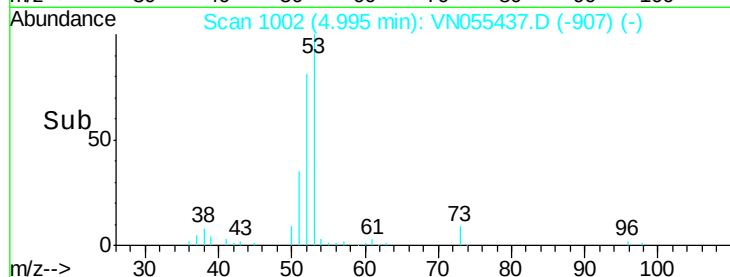
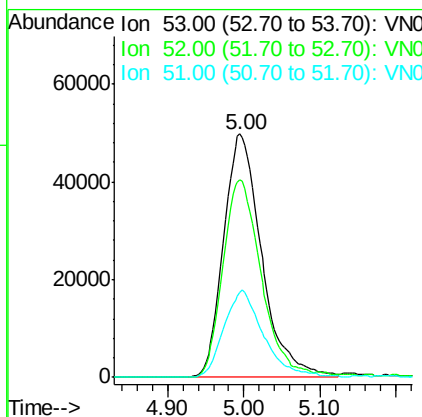
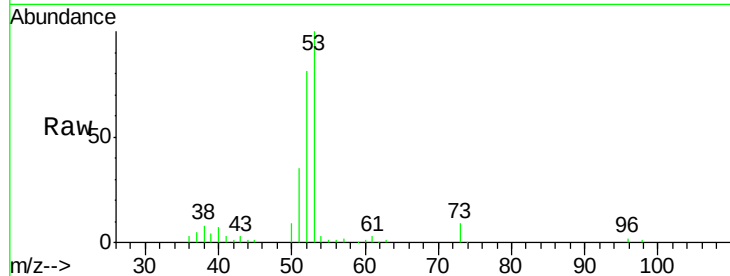
ClientSampled :

VN0507MBS01

Tot Ion:	53	Resp:	174077
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.5	99.7
51	36.8	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 102.202 ug/l

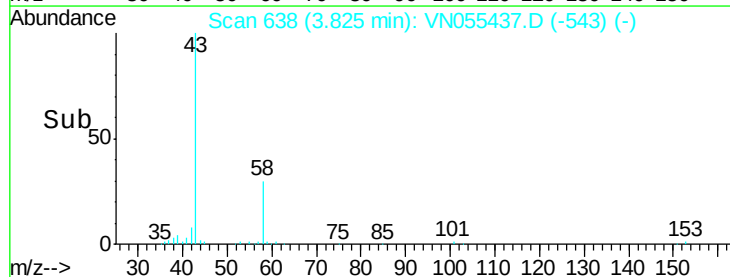
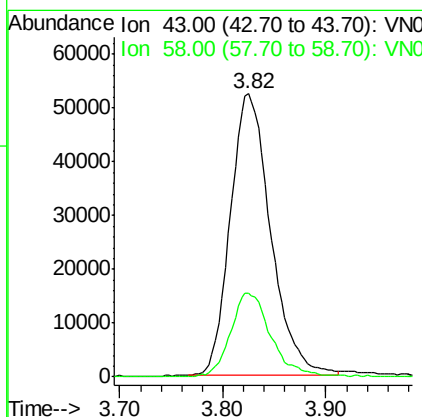
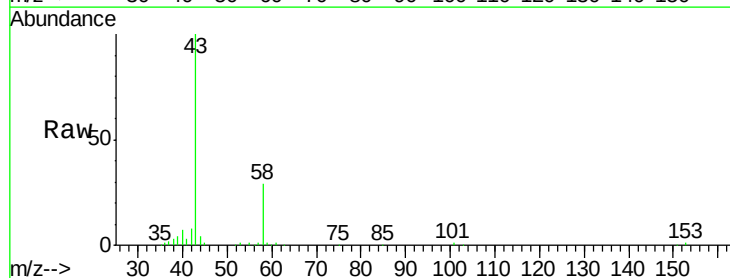
RT: 3.82 min Scan# 638

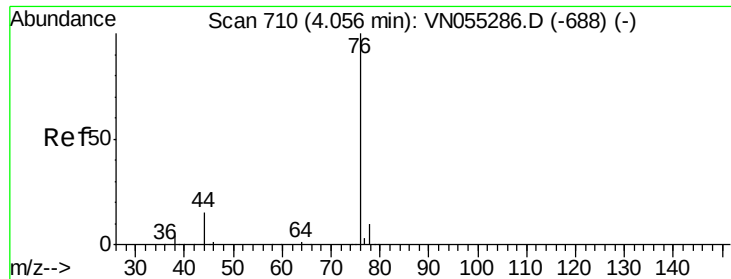
Delta R.T. 0.01 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Tgt Ion:	43	Resp:	142476
Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.6	35.4





#17

Carbon Disulfide

Concen: 16.161 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS01

Tot Ion: 76 Resp: 142487

Ion Ratio Lower Upper

76 100

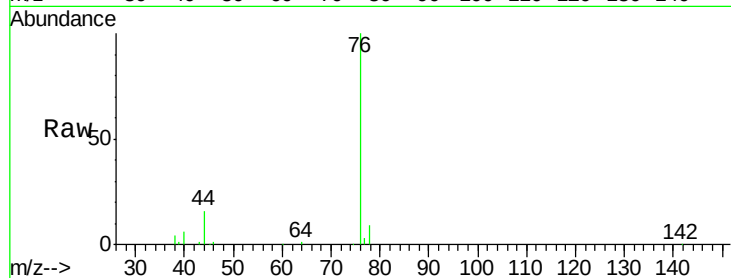
78 8.6 7.6 11.4

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

60000

50000

40000

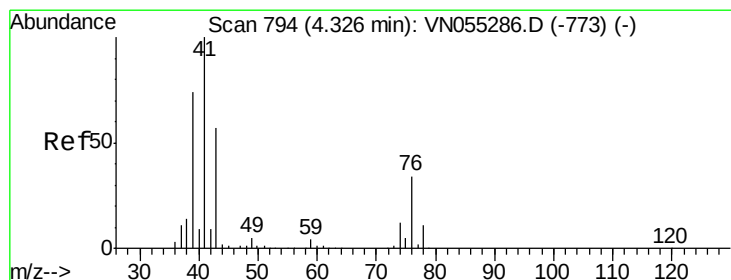
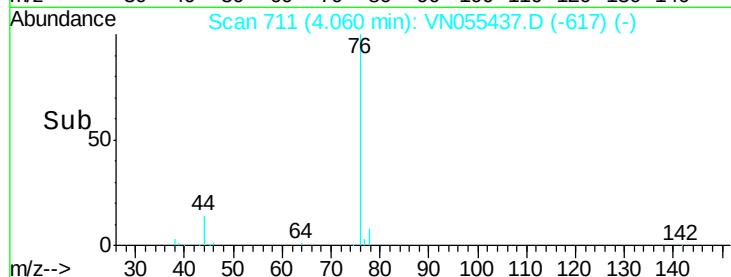
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 25.920 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055437.D

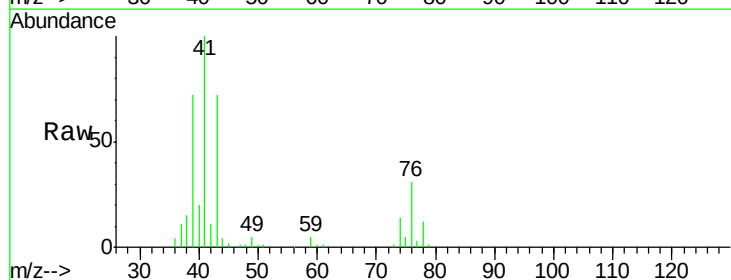
Acq: 7 May 2019 15:04

Tgt Ion: 43 Resp: 89716

Ion Ratio Lower Upper

43 100

74 19.8 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

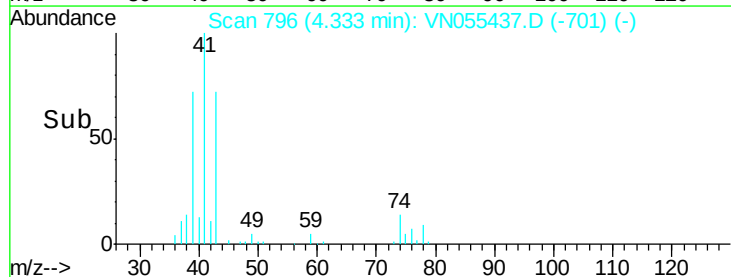
30000

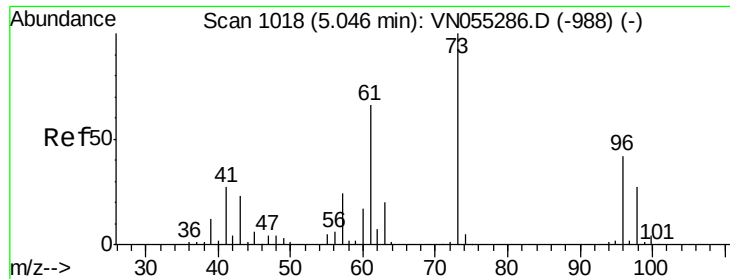
20000

10000

0

Time-->





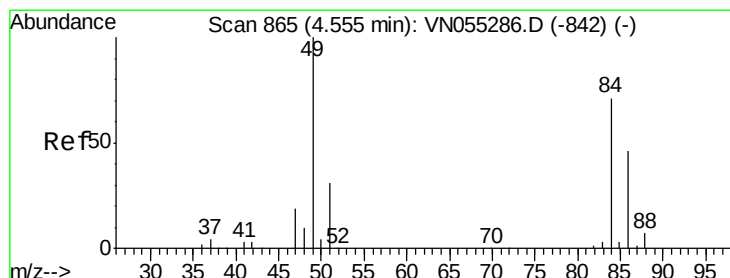
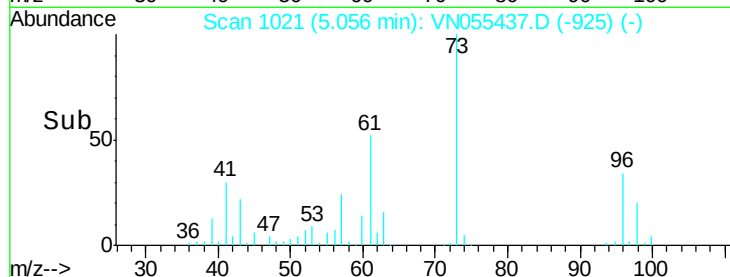
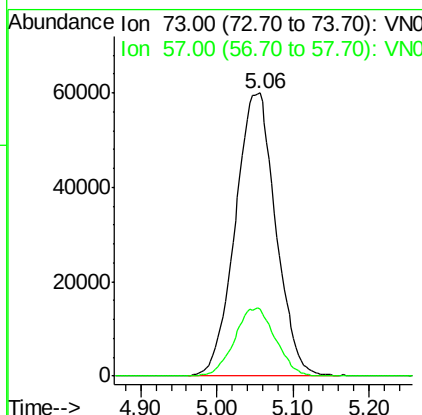
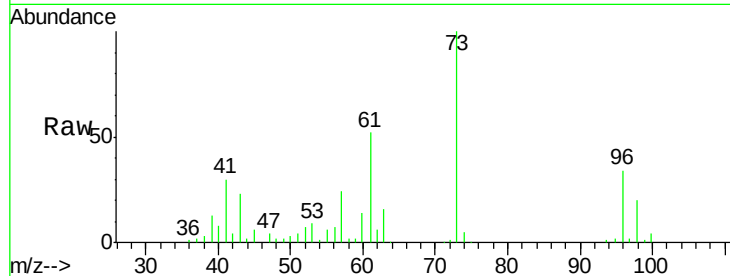
#19
Methyl tert-butyl Ether
Concen: 23.386 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampled :
VN0507MBS01

Tot Ion: 73 Resp: 222106
Ion Ratio Lower Upper
73 100
57 23.5 19.1 28.7

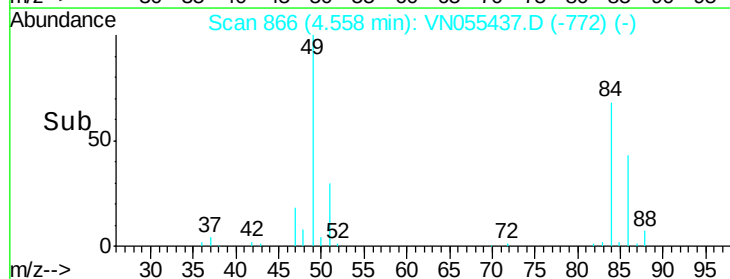
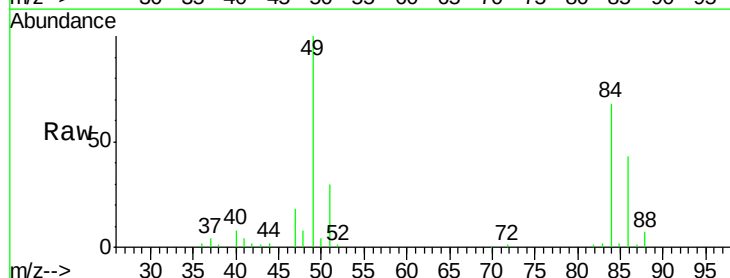
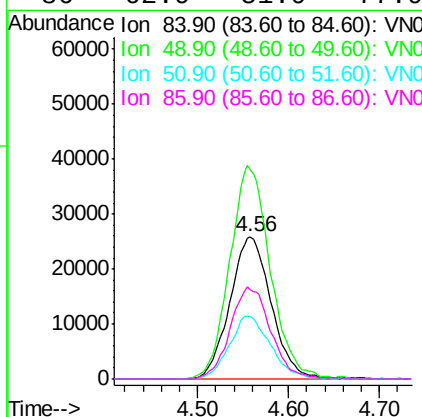
Manual Integrations
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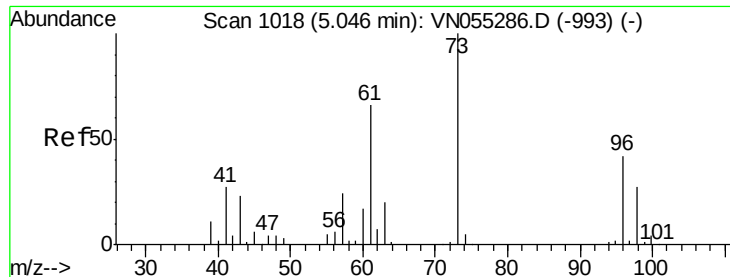
MMDadoda
5/8/2019 10:21:59 AM



#20
Methylene Chloride
Concen: 19.124 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion: 84 Resp: 81373
Ion Ratio Lower Upper
84 100
49 146.9 112.4 168.6
51 43.6 34.6 51.8
86 62.9 51.9 77.9





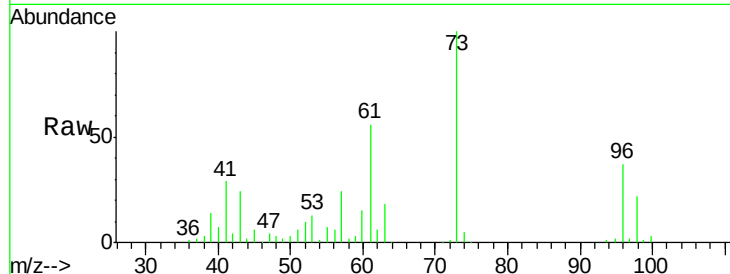
#21
trans-1,2-Dichloroethene
Concen: 19.684 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS01

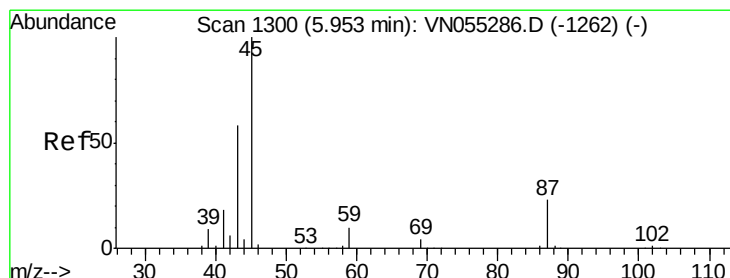
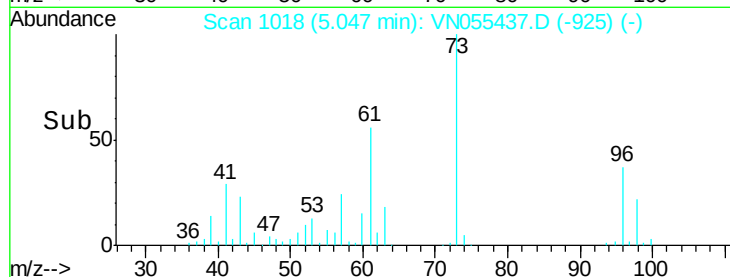
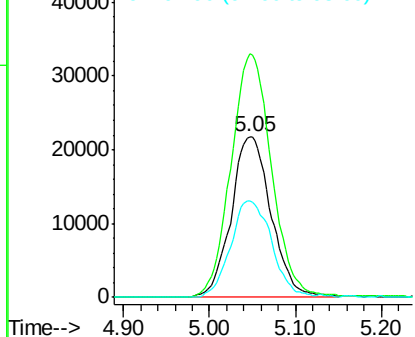
Tot Ion	Ratio	Lower	Upper
96	100		
61	151.5	126.2	189.4
98	59.7	52.2	78.2

Manual Integrations
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5/8/2019 10:21:59 AM



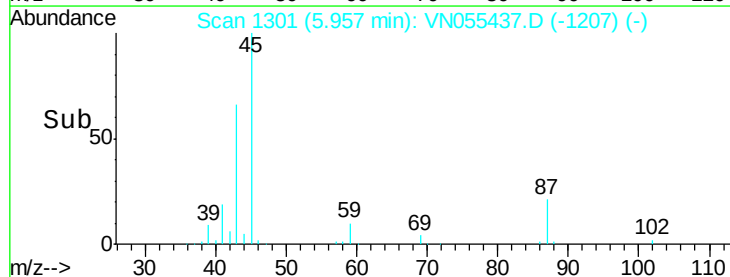
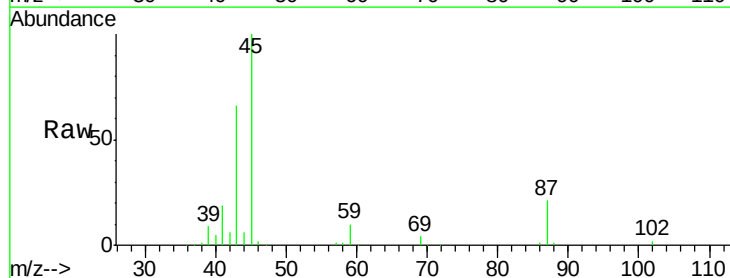
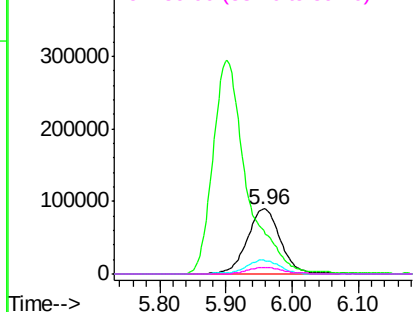
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

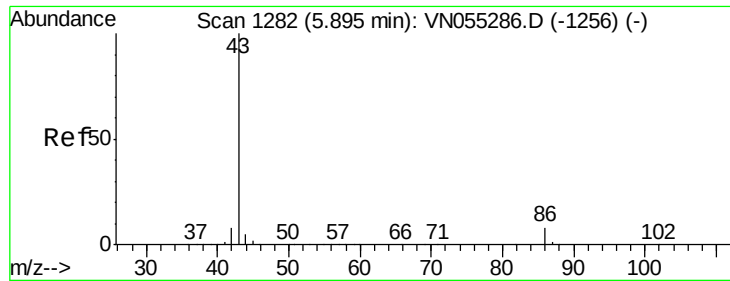


#22
Diisopropyl ether
Concen: 22.531 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.1	46.6	70.0
87	21.1	18.1	27.1
59	9.8	8.2	12.2

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 114.190 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

VN0507MBS01

Tot Ion: 43 Resp: 1040433

Ion Ratio Lower Upper

43 100

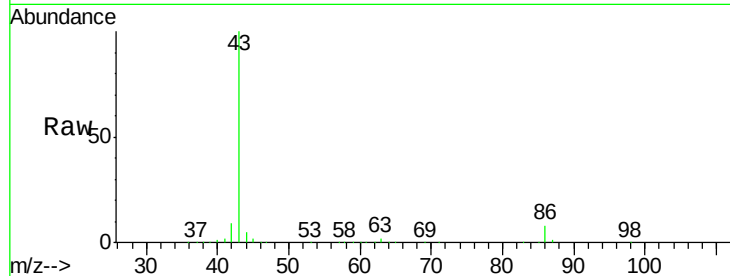
86 7.9 6.6 10.0

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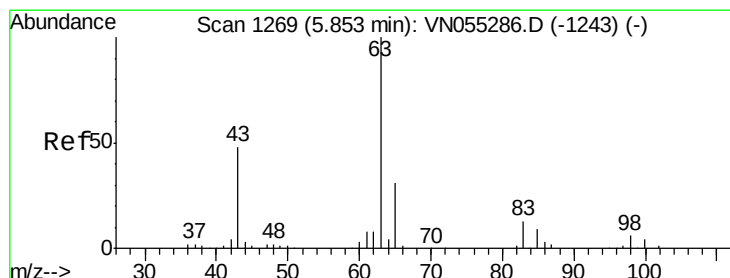
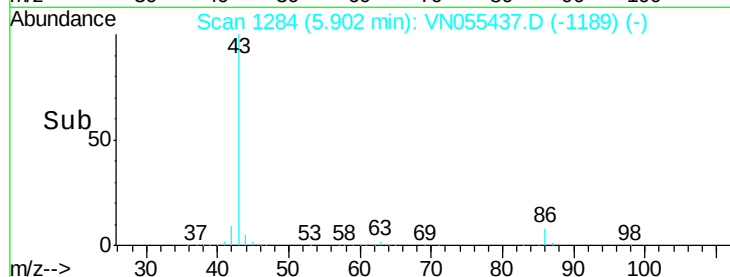
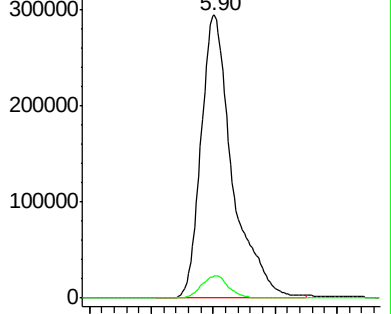
MMDadoda

5/8/2019 10:21:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.985 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

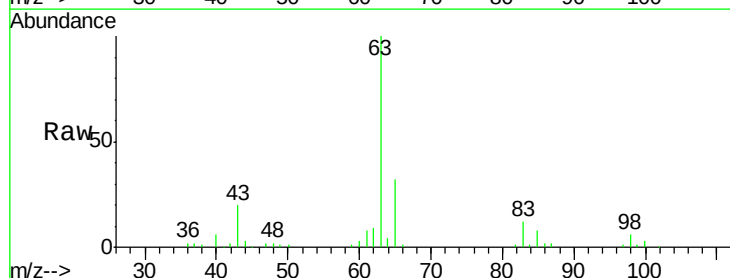
Tgt Ion: 63 Resp: 155439

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

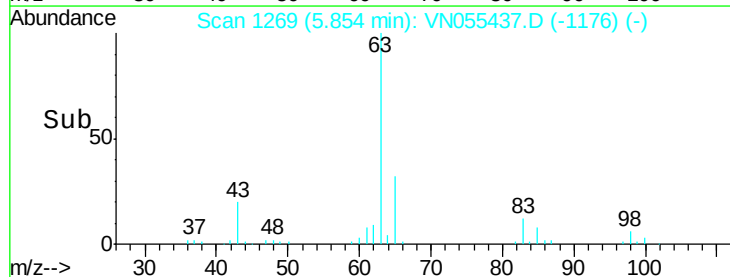
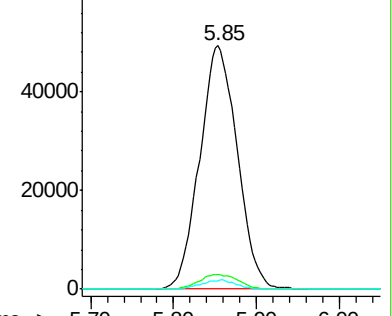
100 3.5 1.8 5.4

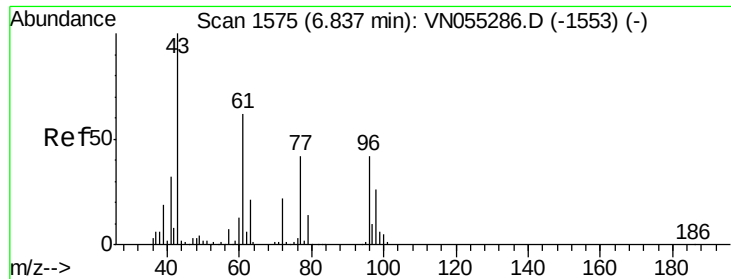


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 120.817 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

VN0507MBS01

Tot Ion: 43 Resp: 215396

Ion Ratio Lower Upper

43 100

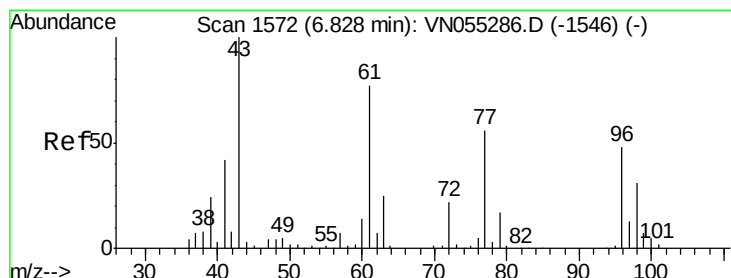
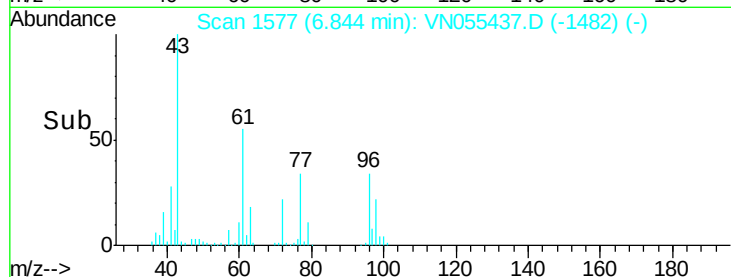
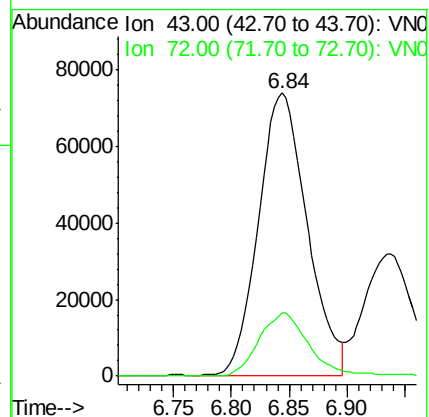
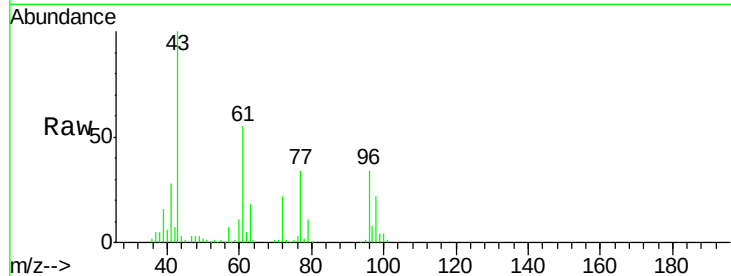
72 22.2 18.0 27.0

Manual Integrations

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MMDadoda

5/8/2019 10:21:59 AM



#26

2,2-Dichloropropane

Concen: 20.098 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055437.D

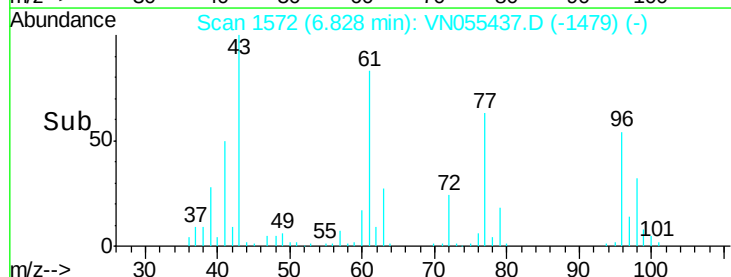
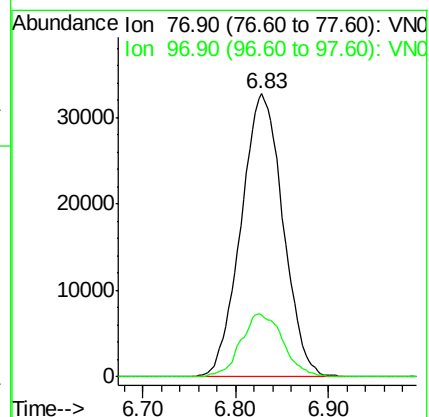
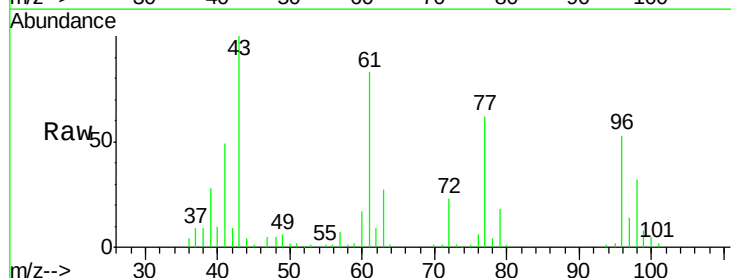
Acq: 7 May 2019 15:04

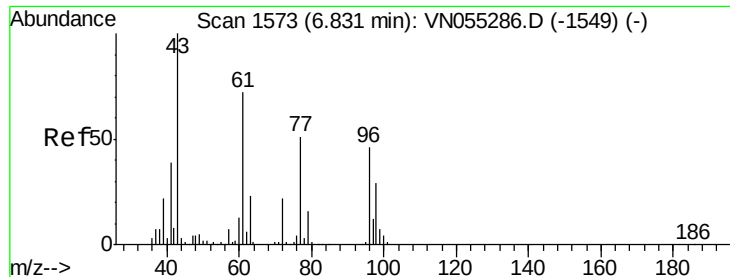
Tgt Ion: 77 Resp: 102802

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 21.083 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

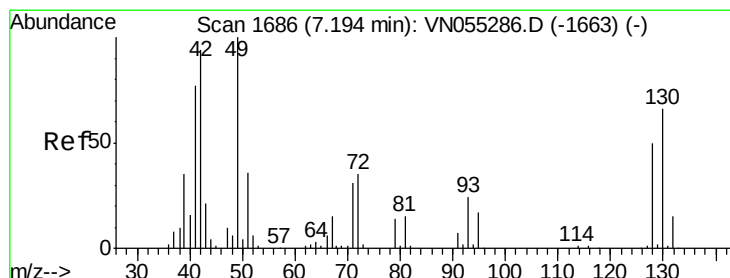
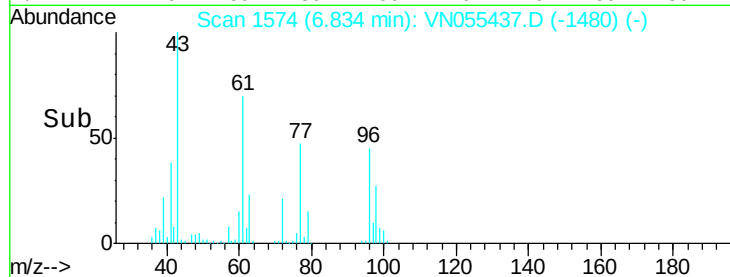
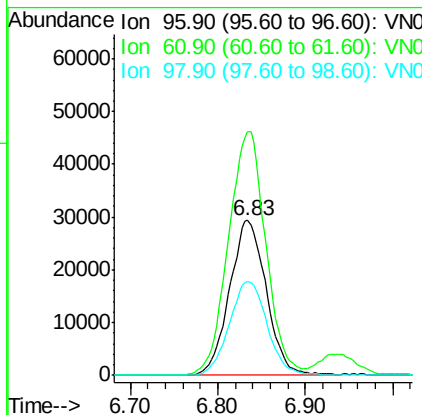
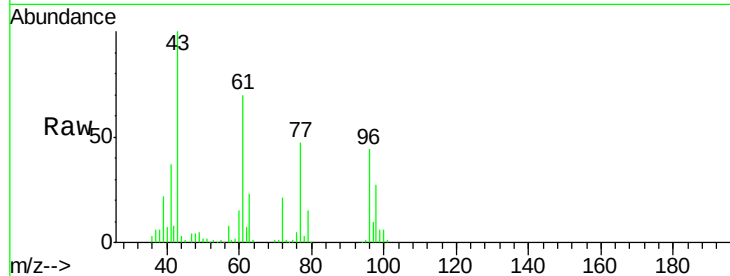
ClientSampled :

VN0507MBS01

Tot Ion:	96	Resp:	85783
Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	316.2
98	62.2	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 21.416 ug/l

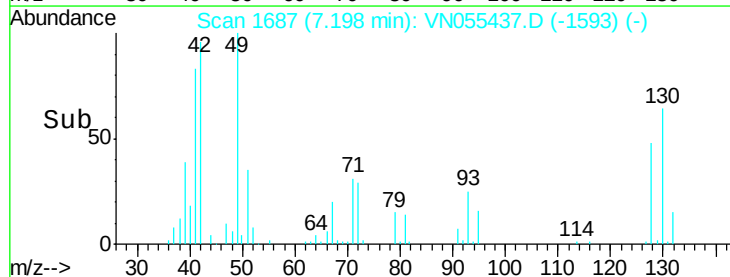
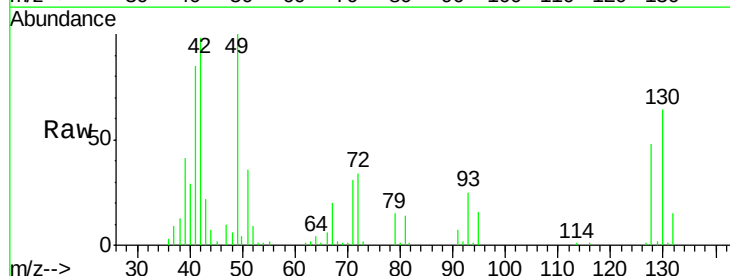
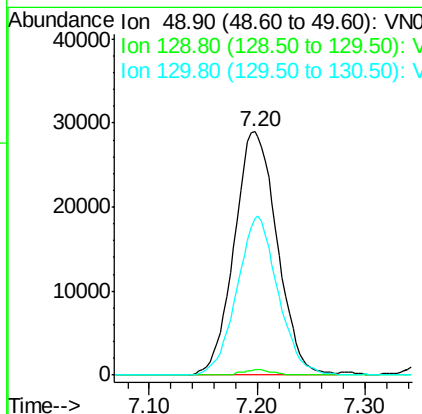
RT: 7.20 min Scan# 1687

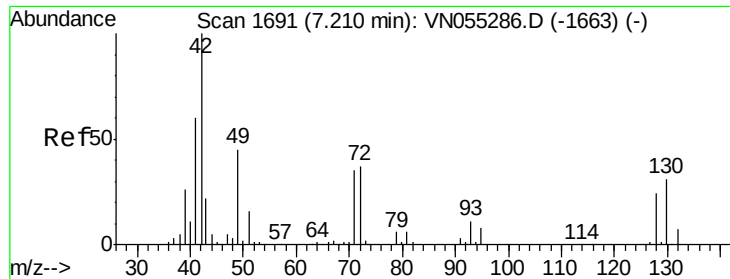
Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Tgt Ion:	49	Resp:	79963
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.4
130	62.3	52.0	78.0





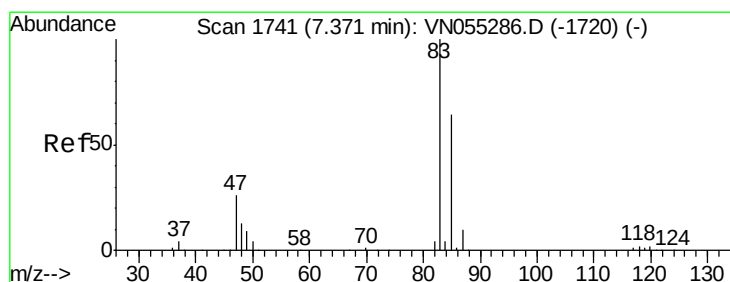
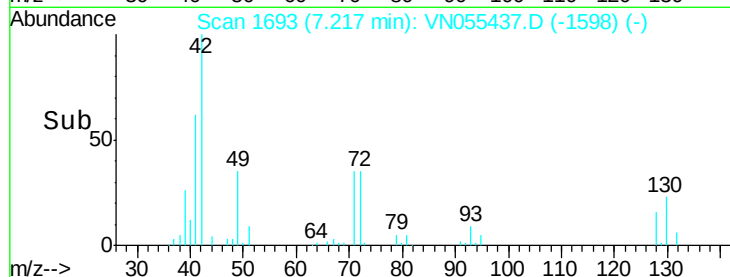
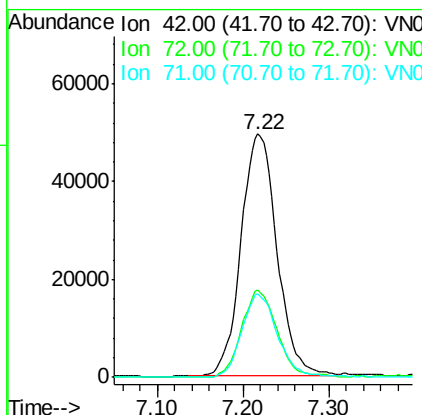
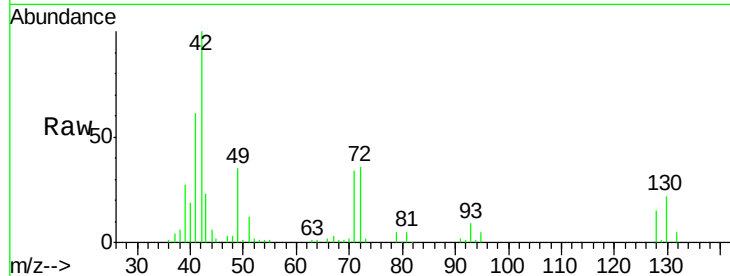
#29
Tetrahydrofuran
Concen: 126.633 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	29.0	43.6
71	34.2	27.1	40.7

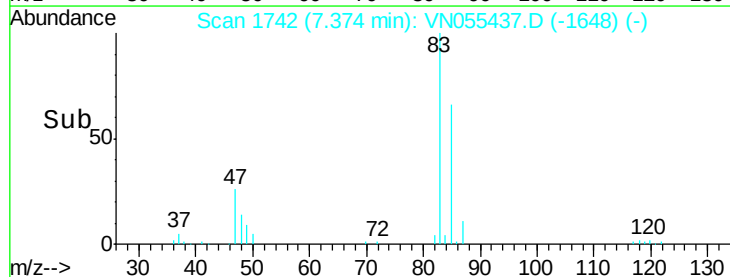
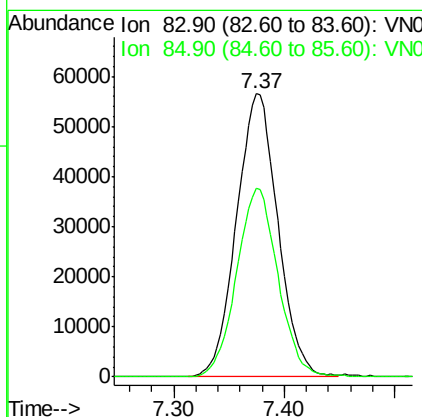
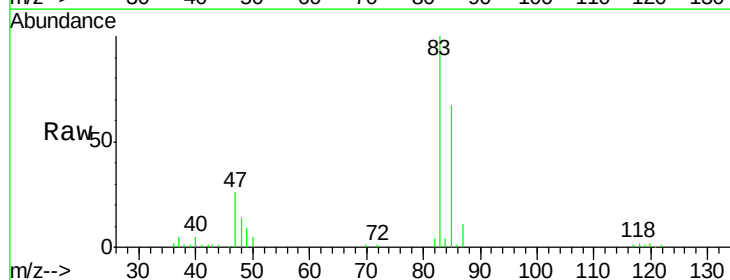
Manual Integrations
APPROVED

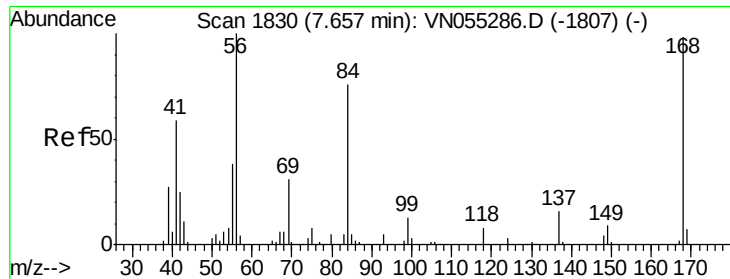
MMDadoda
5/8/2019 10:21:59 AM



#30
Chloroform
Concen: 20.935 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.4	77.2





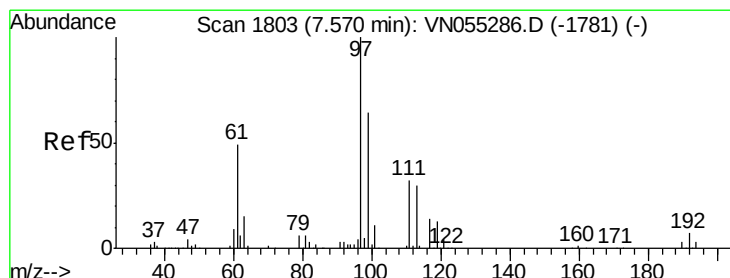
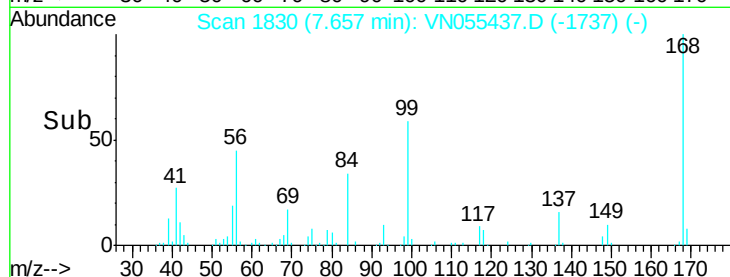
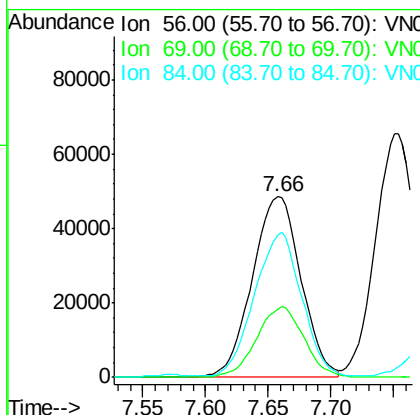
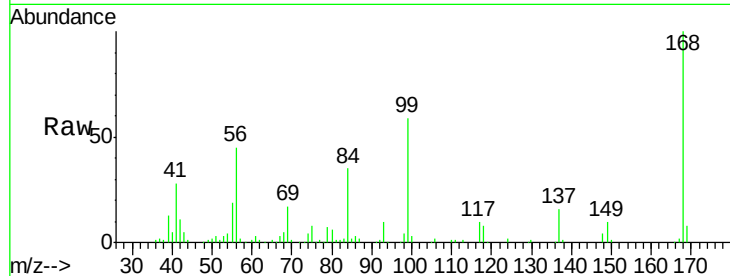
#31
Cyclohexane
Concen: 18.703 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampled :
VN0507MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	25.2	37.8
84	77.9	61.1	91.7

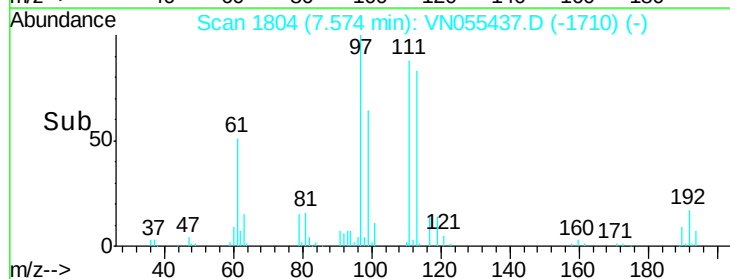
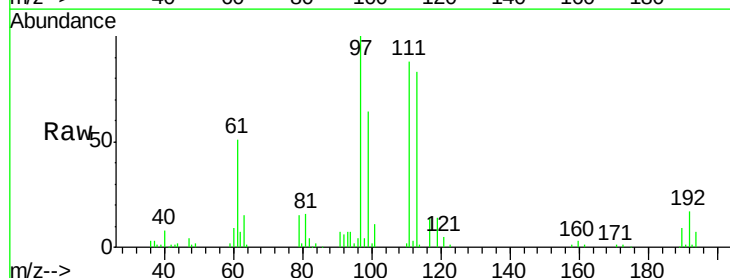
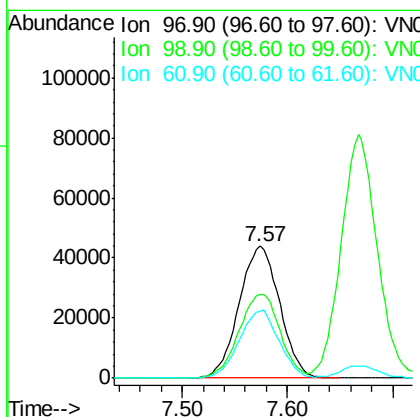
Manual Integrations
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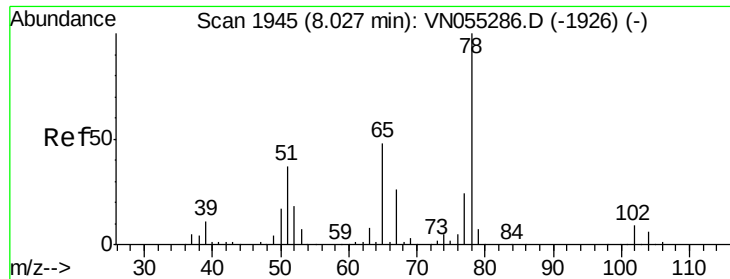
MMDadoda
5/8/2019 10:21:59 AM



#32
1,1,1-Trichloroethane
Concen: 20.648 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	50.3	39.0	58.6





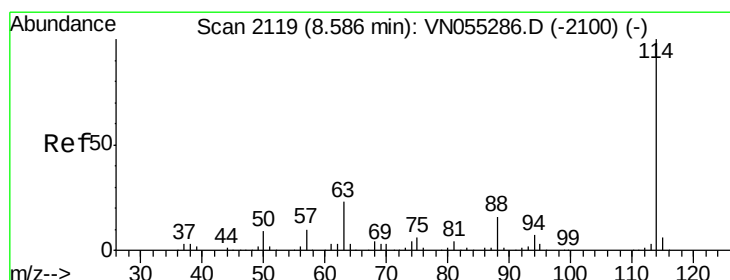
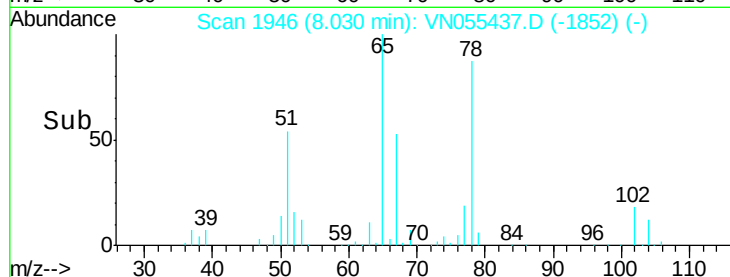
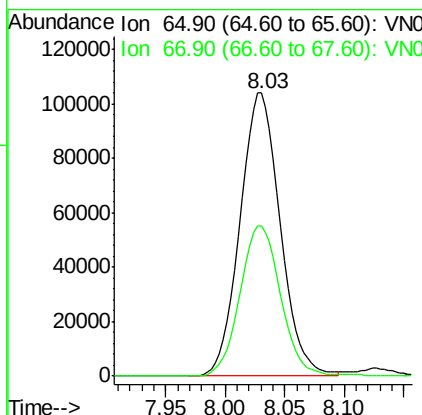
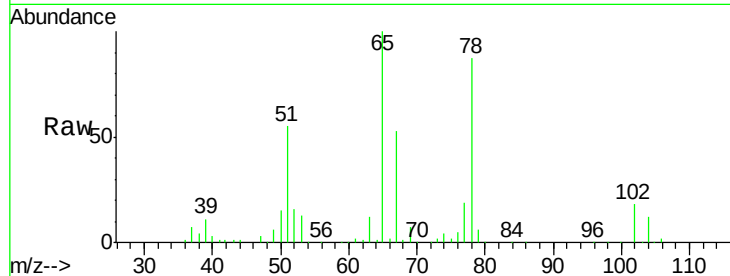
#33
 1,2-Dichloroethane-d4
 Concen: 54.480 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	243748		
67	53.6	0.0	106.8	

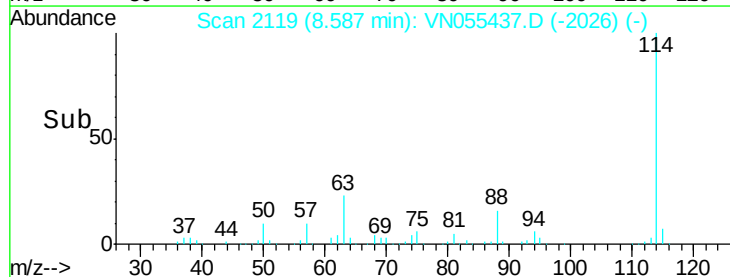
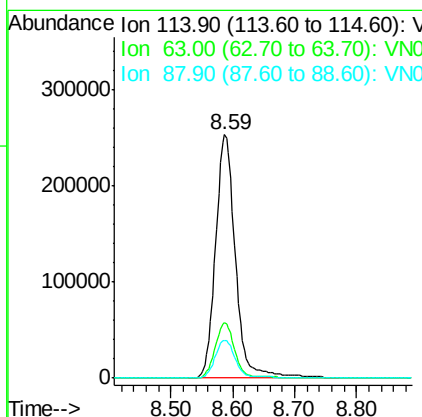
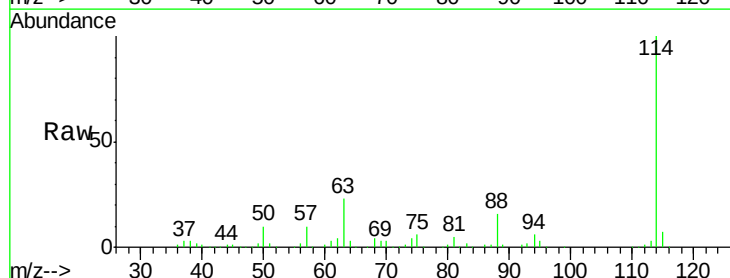
Manual Integrations
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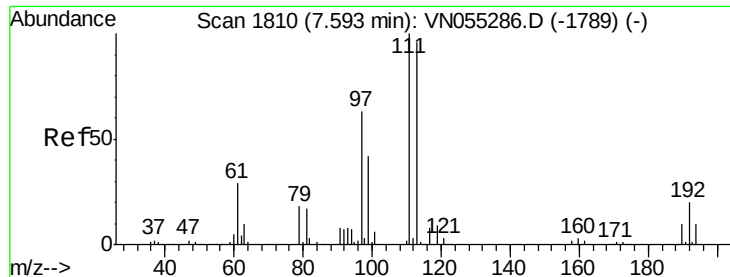
MMDadoda
 5/8/2019 10:21:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	568146		
63	22.9	0.0	45.2	
88	15.6	0.0	31.6	





#35

Dibromofluoromethane

Concen: 50.132 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

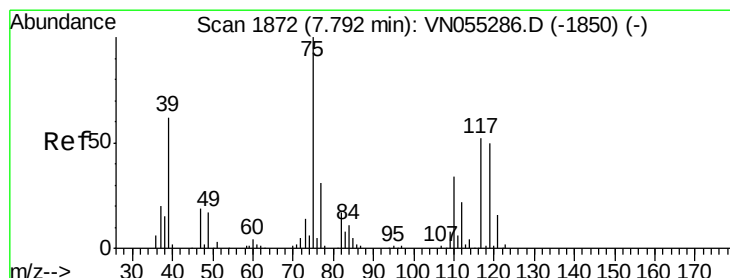
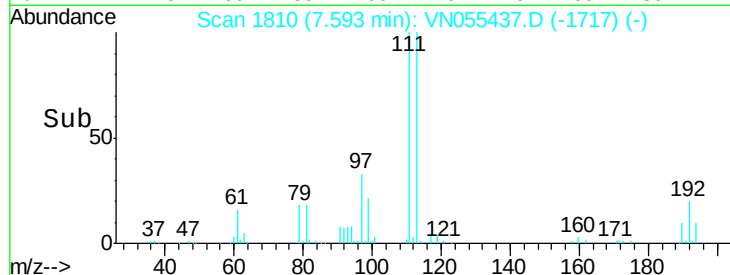
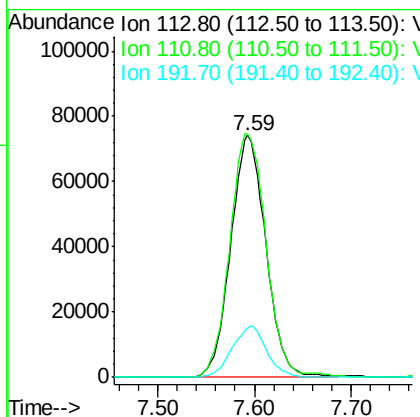
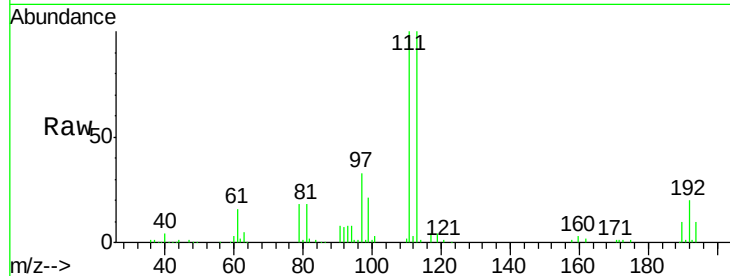
ClientSampled :

VN0507MBS01

Tot Ion:	113	Resp:	186950
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.3	123.5
192	20.6	17.0	25.6

Manual Integrations
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5/8/2019 10:21:59 AM



#36

1,1-Dichloropropene

Concen: 18.270 ug/l

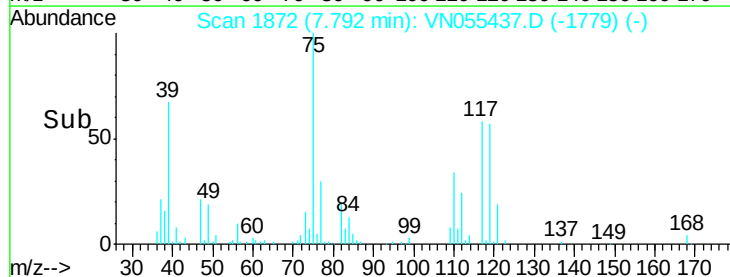
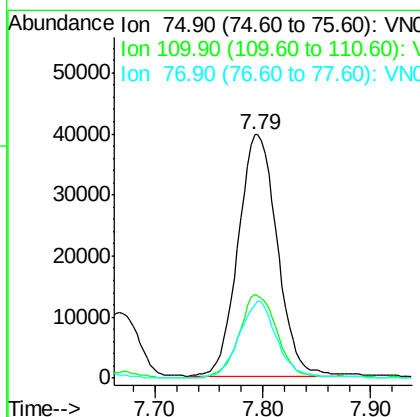
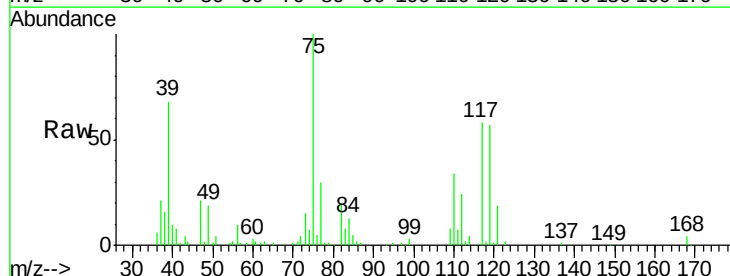
RT: 7.79 min Scan# 1872

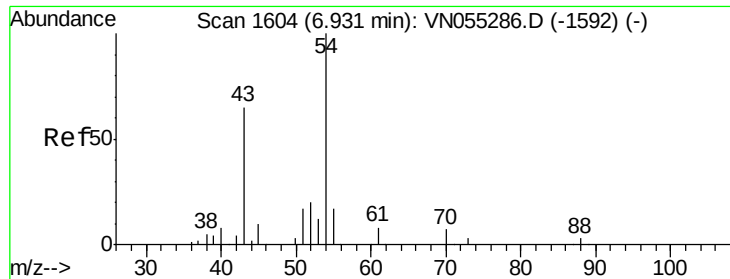
Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Tgt Ion:	75	Resp:	99424
Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.8	50.4
77	31.0	25.0	37.6





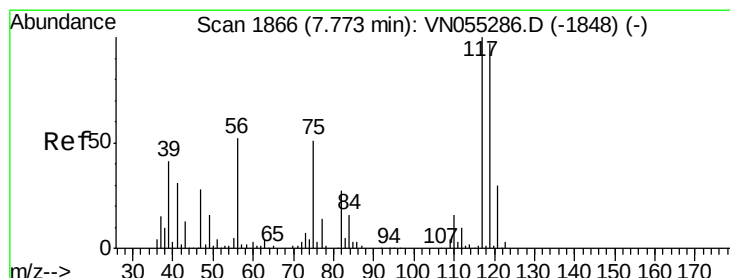
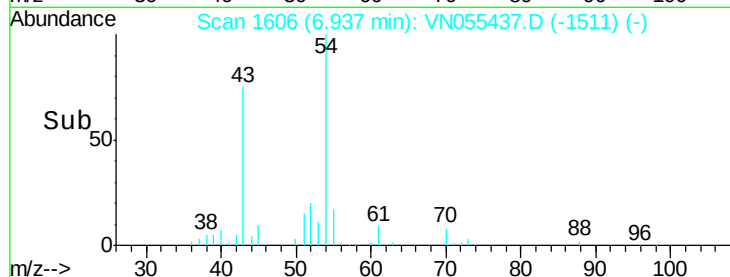
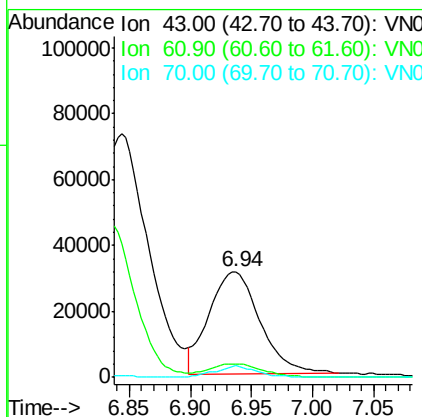
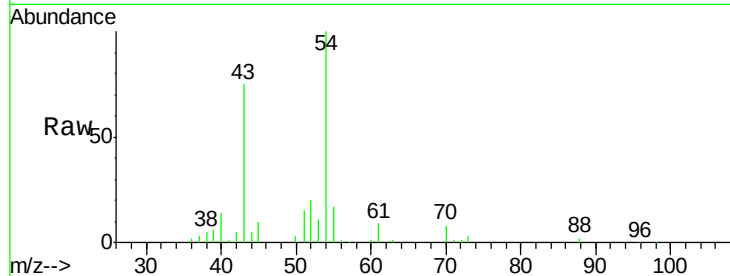
#37
Ethyl Acetate
Concen: 21.892 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampleID :
VN0507MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	9.1	6.6	10.0

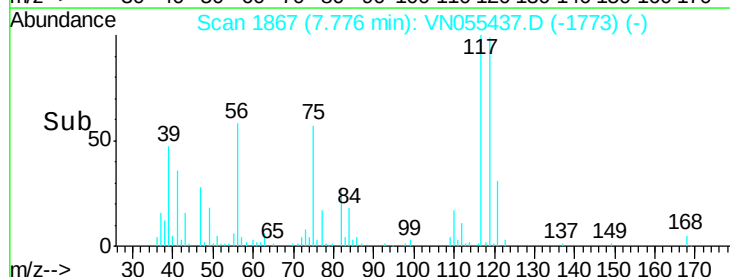
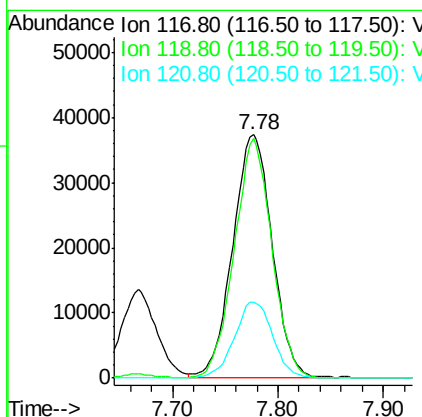
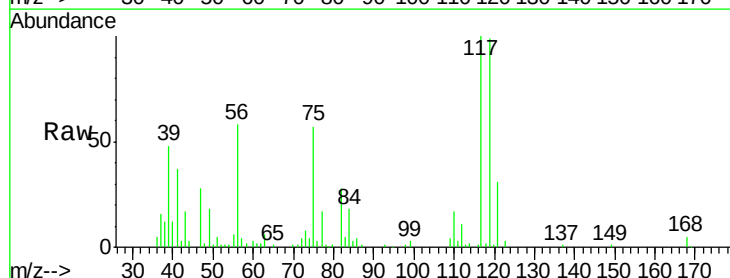
Manual Integrations
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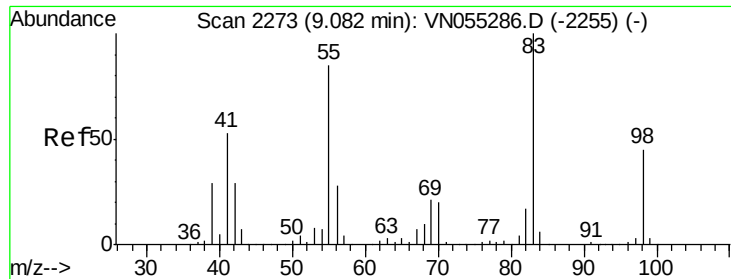
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.327 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.0	115.6
121	31.1	23.8	35.8





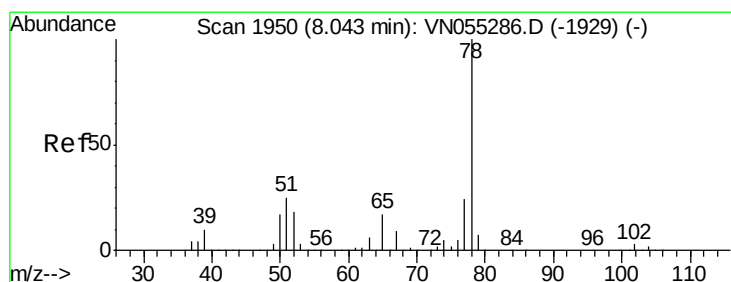
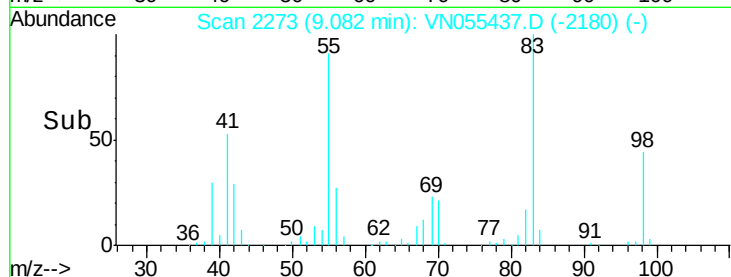
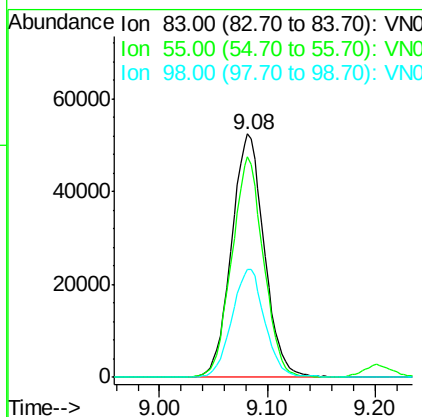
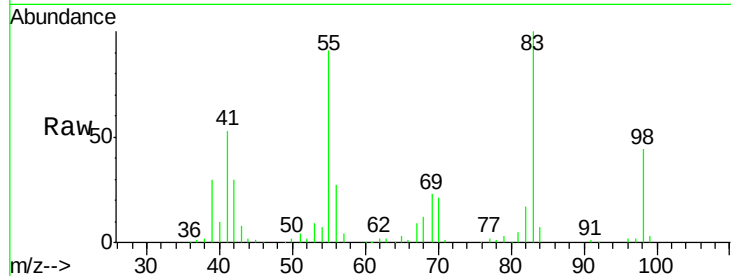
#39
Methylvlcyclohexane
Concen: 19.140 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS01

Tot Ion	83.00	Resp	110742
Ion	Ratio	Lower	Upper
83	100		
55	90.6	67.8	101.6
98	44.3	36.2	54.4

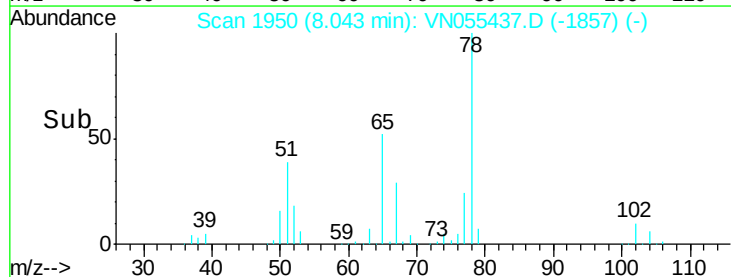
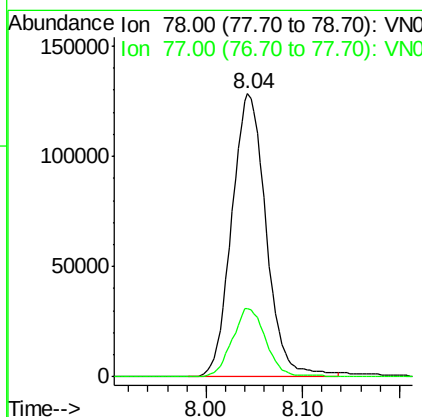
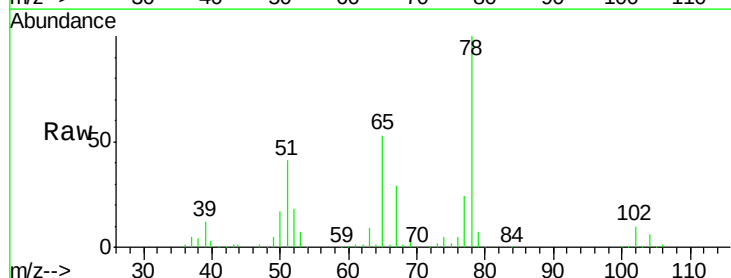
Manual Integrations
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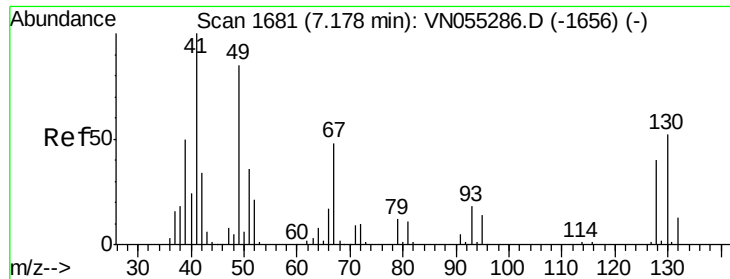
MMDadoda
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#40
Benzene
Concen: 19.824 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion	78.00	Resp	318028
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





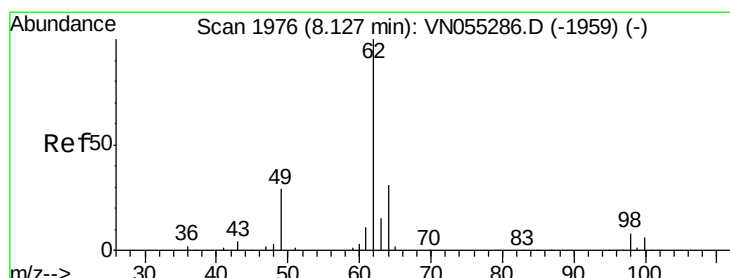
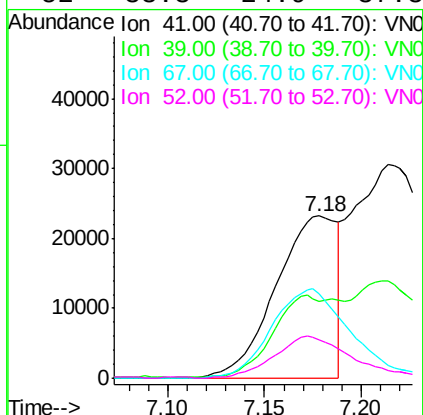
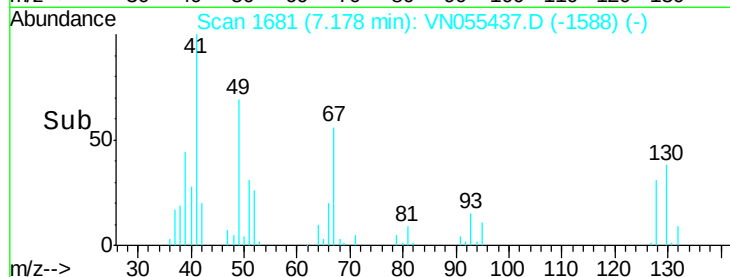
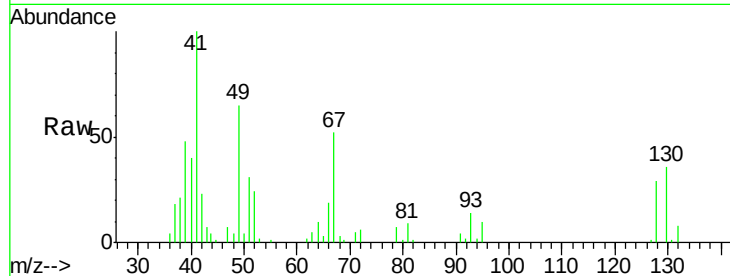
#41
Methacrylonitrile
Concen: 23.061 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampled :
VN0507MBS01

Tot Ion:	41	Resp:	51143
Ion Ratio	Lower	Upper	
41	100		
39	37.6	48.5	72.7#
67	71.9	54.9	82.3
52	33.3	24.9	37.3

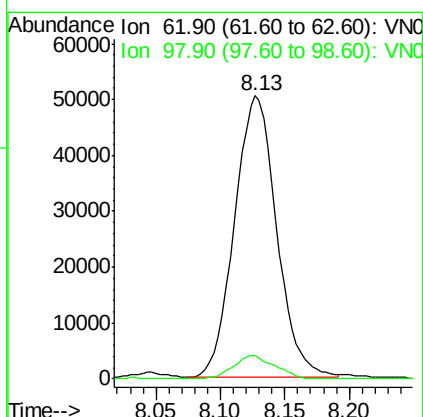
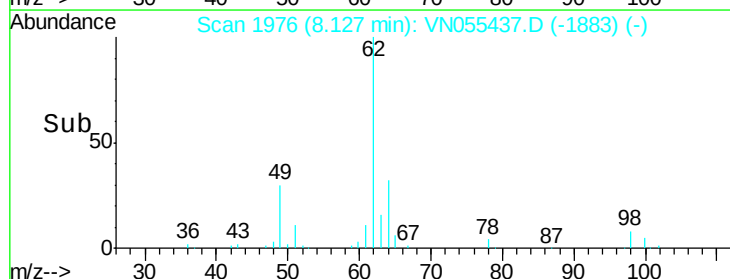
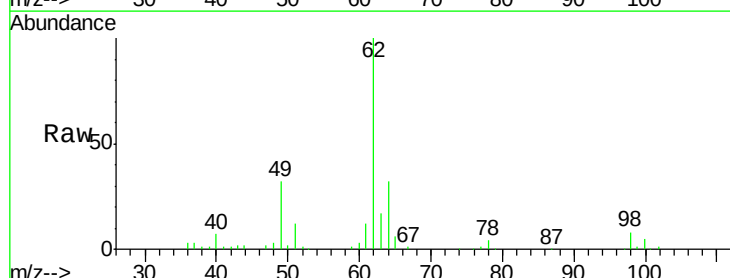
Manual Integrations
APPROVED

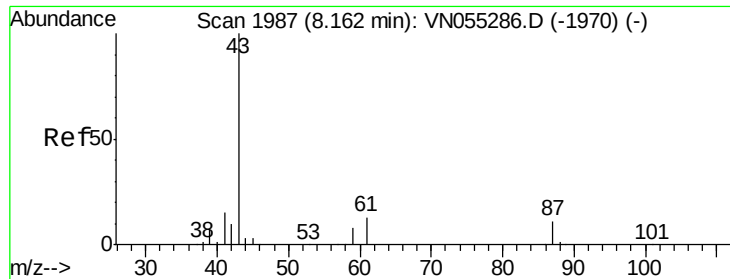
MMDadoda
5/8/2019 10:21:59 AM



#42
1,2-Dichloroethane
Concen: 20.140 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion:	62	Resp:	114436
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	16.4





#43

Isopropyl Acetate

Concen: 23.997 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

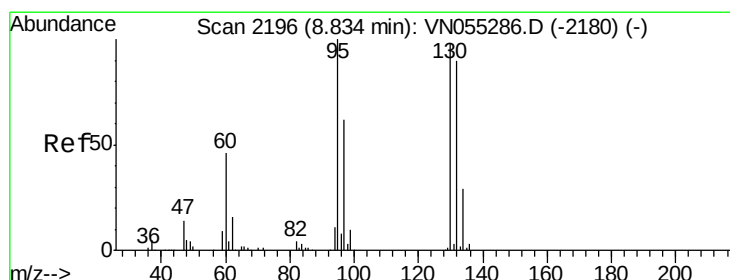
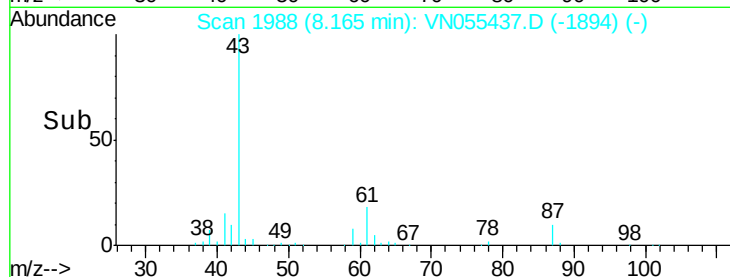
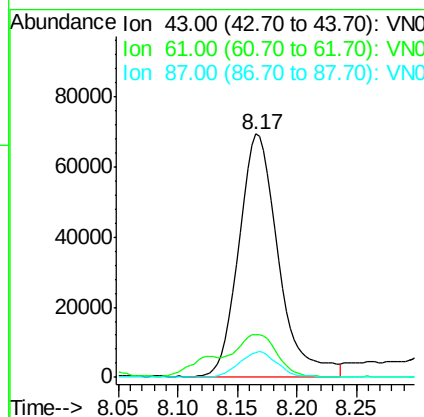
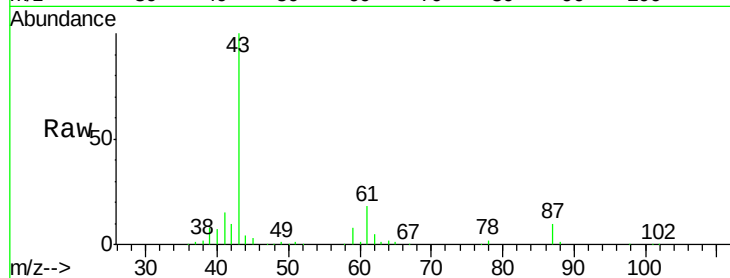
ClientSampleId :

VN0507MBS01

Tot Ion:	43	Resp:	160847
Ion	Ratio	Lower	Upper
43	100		
61	16.9	20.8	31.2#
87	10.3	8.5	12.7

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#44

Trichloroethene

Concen: 18.651 ug/l

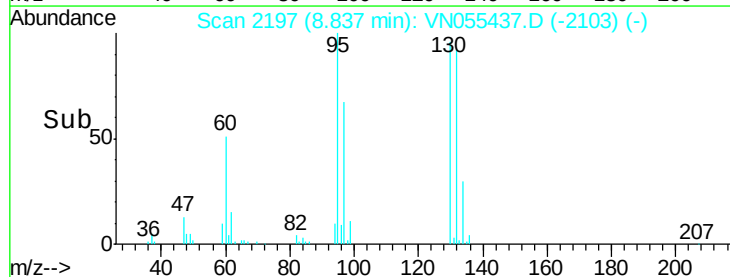
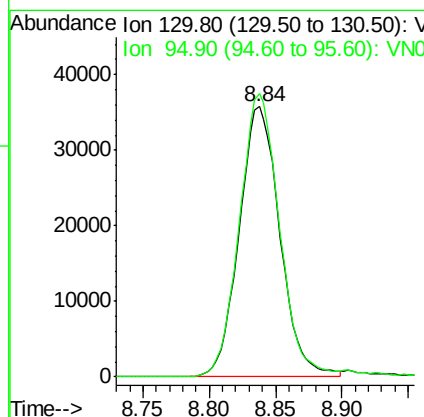
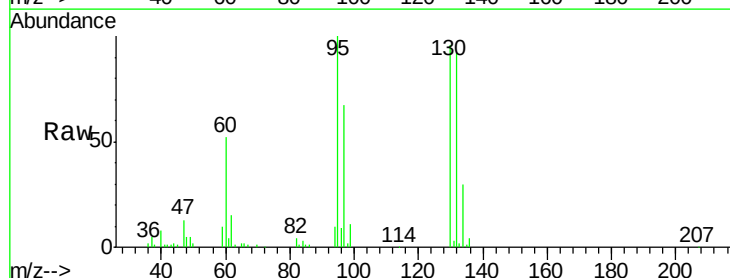
RT: 8.84 min Scan# 2197

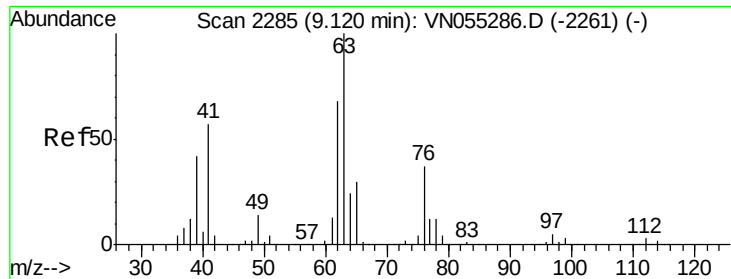
Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Tgt Ion:	130	Resp:	76278
Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	203.4





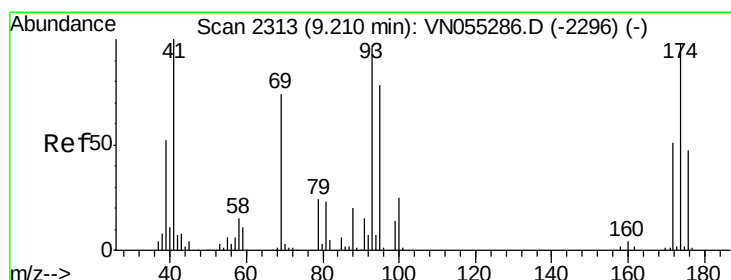
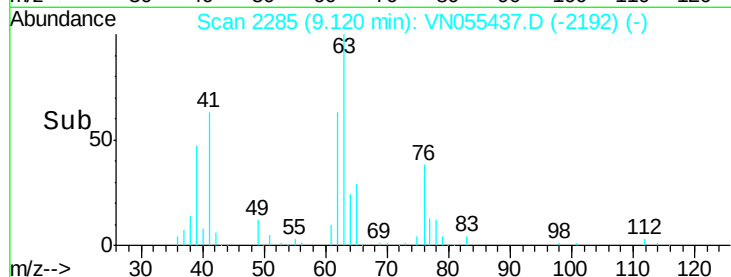
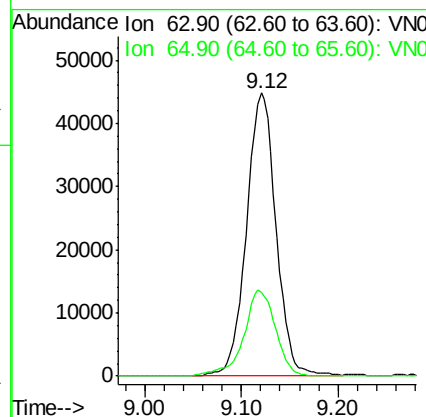
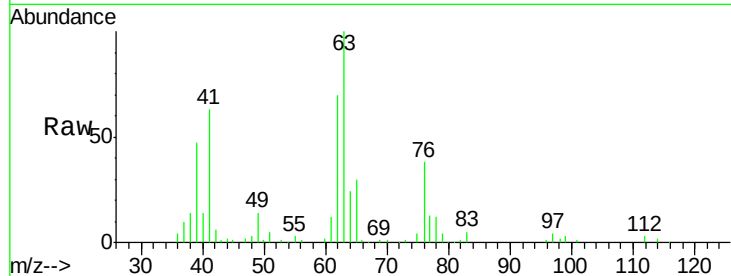
#45
 1,2-Dichloropropane
 Concen: 20.584 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507MBS01

Tot Ion: 63 Resp: 95240
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.9 35.9

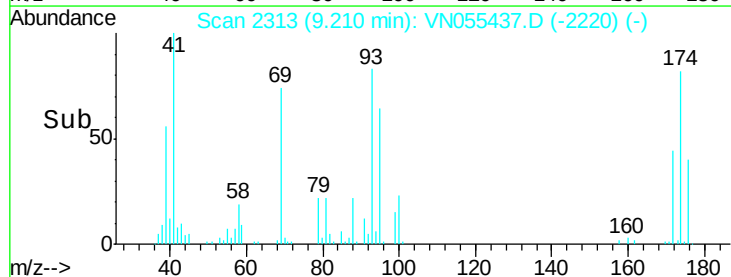
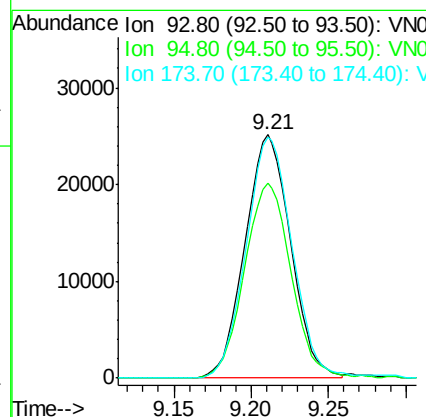
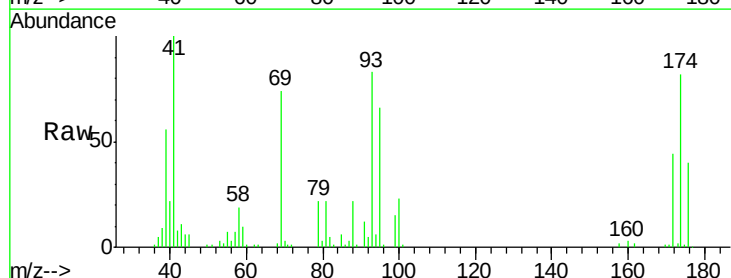
Manual Integrations
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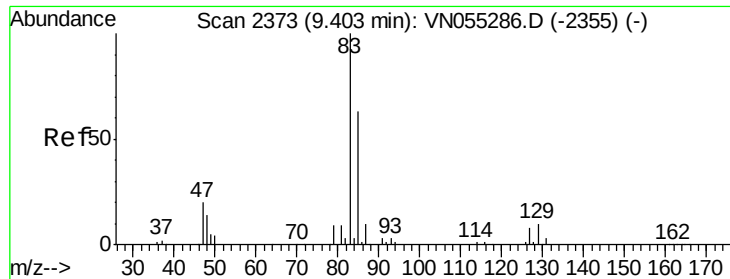
MMDadoda
 5/8/2019 10:21:59 AM



#46
 Dibromomethane
 Concen: 20.409 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Tgt Ion: 93 Resp: 51617
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.7 98.5
 174 100.0 81.5 122.3





#47

Bromodichloromethane

Concen: 20.335 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

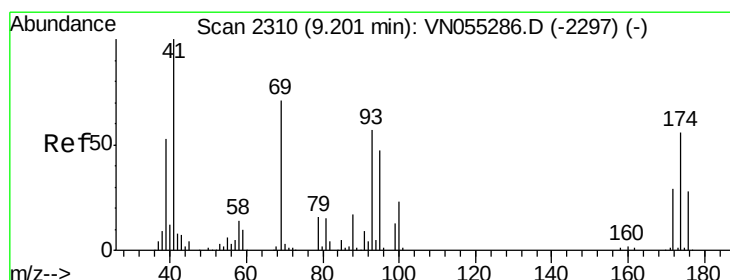
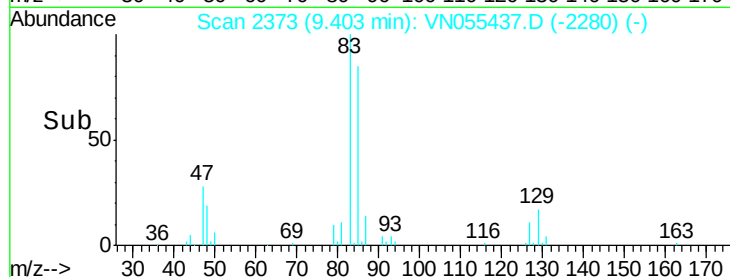
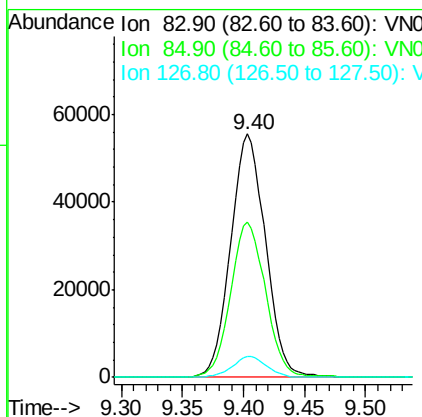
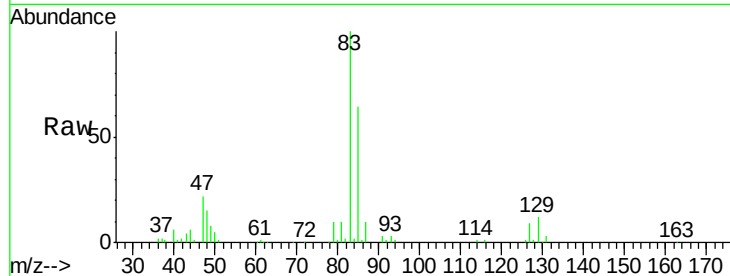
ClientSampleId :

VN0507MBS01

Tot Ion:	83	Resp:	110333
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.1	75.1
127	8.5	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:21:59 AM



#48

Methyl methacrylate

Concen: 22.026 ug/l

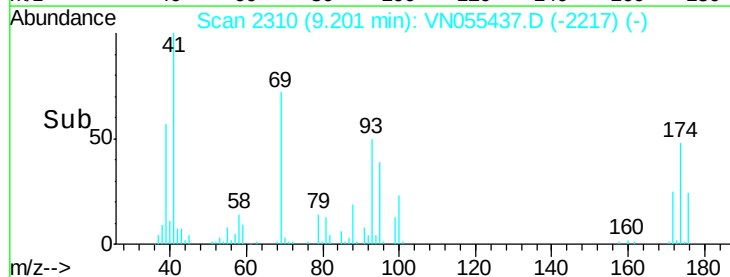
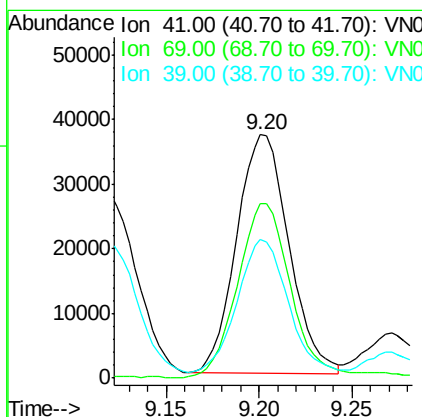
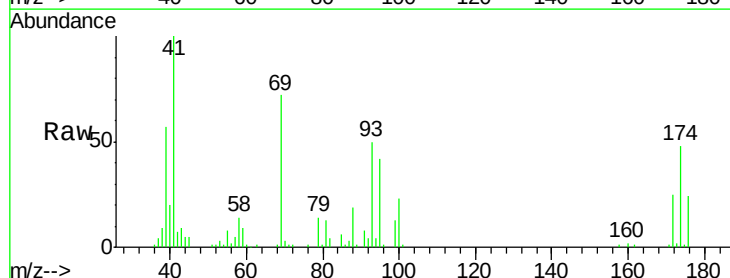
RT: 9.20 min Scan# 2310

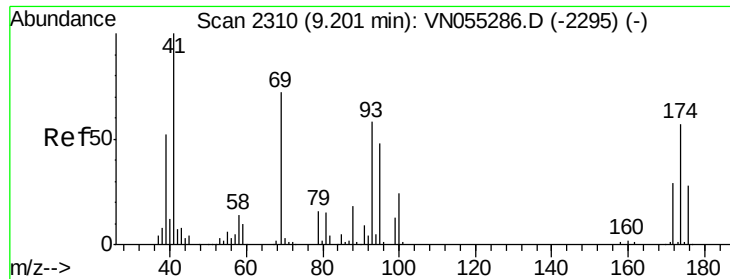
Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Tgt Ion:	41	Resp:	72579
Ion Ratio	Lower	Upper	
41	100		
69	74.0	58.6	87.8
39	57.4	43.8	65.6





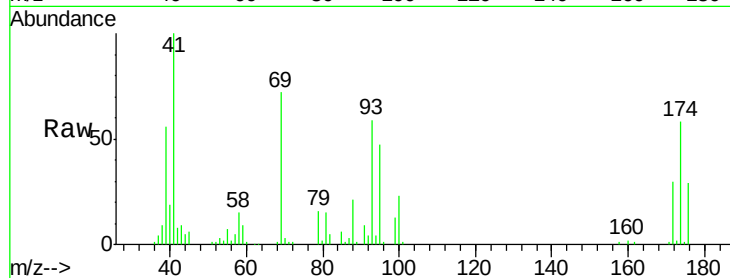
#49
1,4-Dioxane
Concen: 478.564 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	33.3	49.9
58	76.6	62.7	94.1

Manual Integrations
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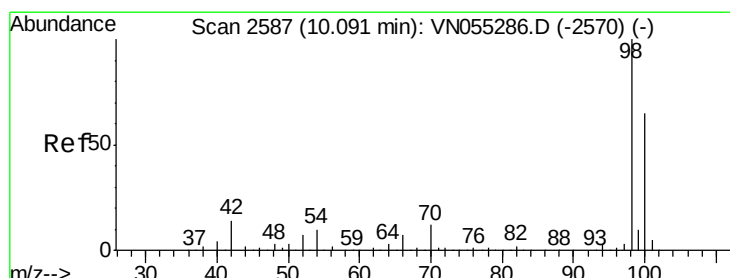
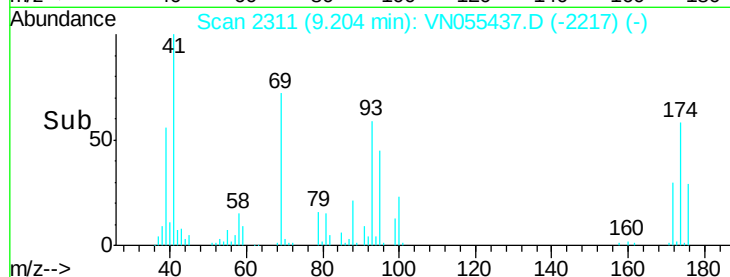
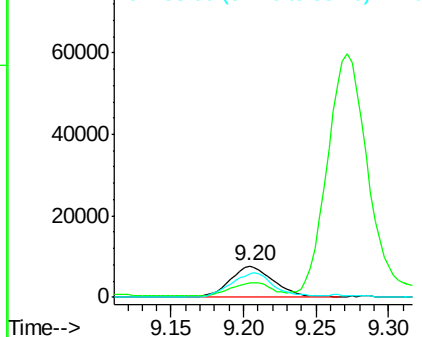


Abundance

Ion 88.00 (87.70 to 88.70): VN055437.D (-2217) (-)

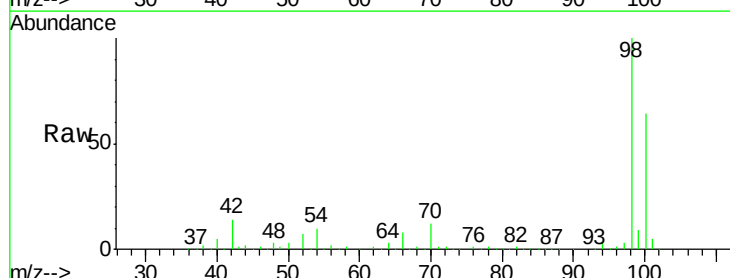
Ion 43.00 (42.70 to 43.70): VN055437.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055437.D (-2217) (-)



#50
Toluene-d8
Concen: 49.056 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

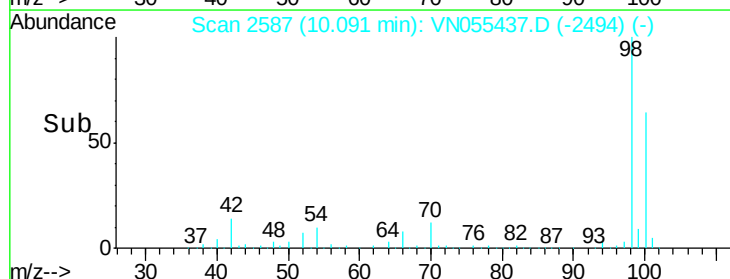
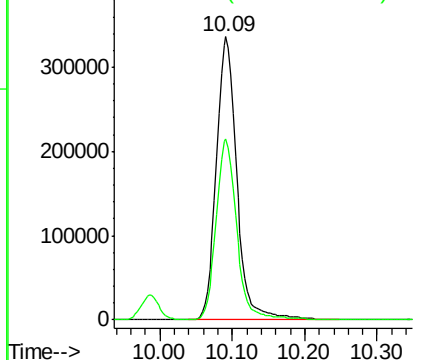
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5

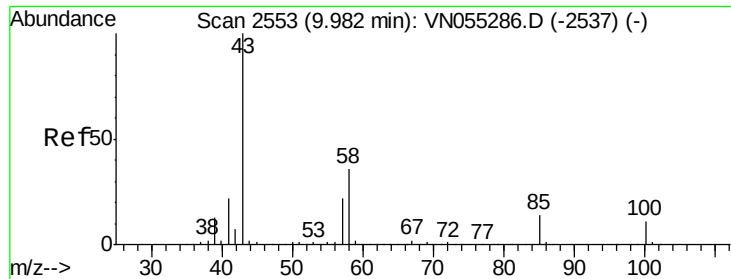


Abundance

Ion 98.00 (97.70 to 98.70): VN055437.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055437.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 122.242 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

VN0507MBS01

Tot Ion: 43 Resp: 461310

Ion Ratio Lower Upper

43 100

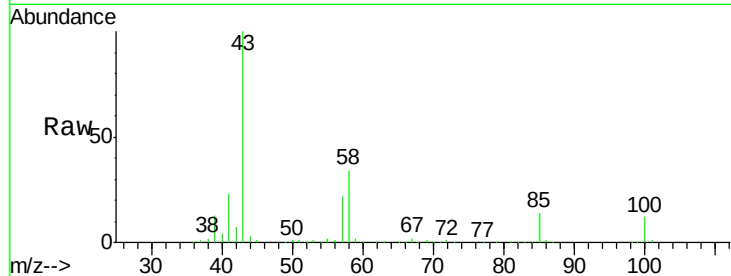
58 34.1 28.5 42.7

Manual Integrations

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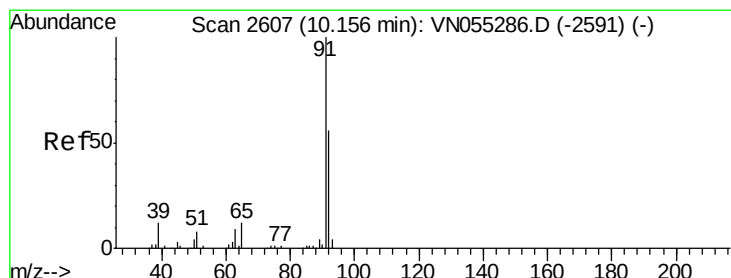
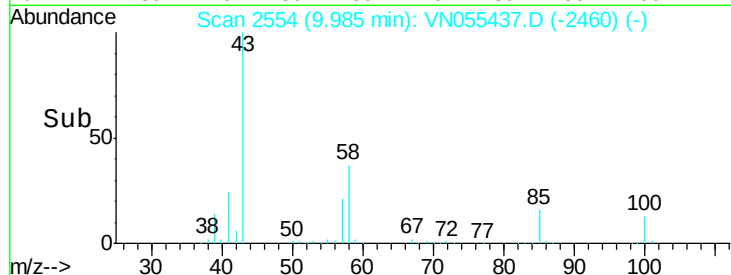
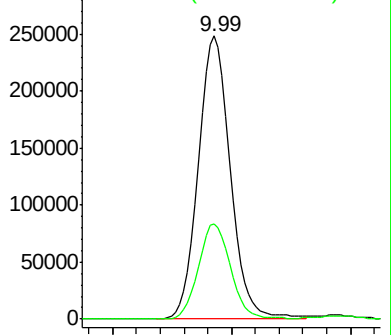
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.298 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055437.D

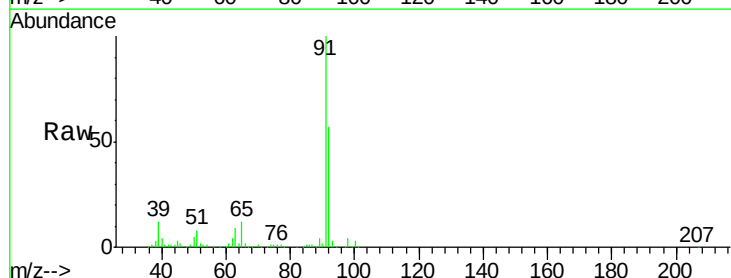
Acq: 7 May 2019 15:04

Tgt Ion: 92 Resp: 186835

Ion Ratio Lower Upper

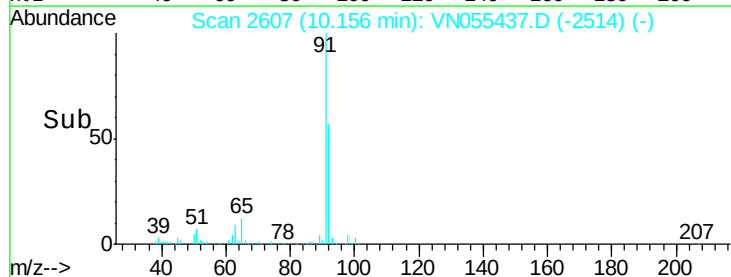
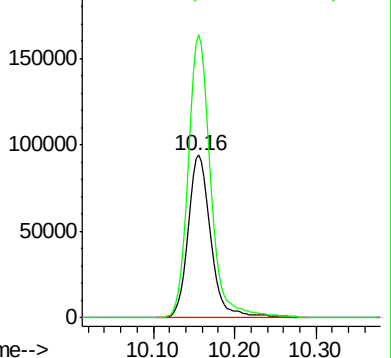
92 100

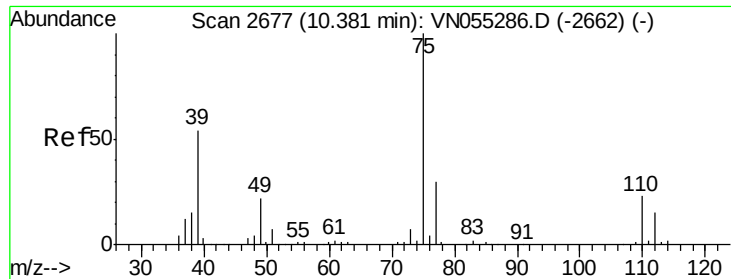
91 171.8 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





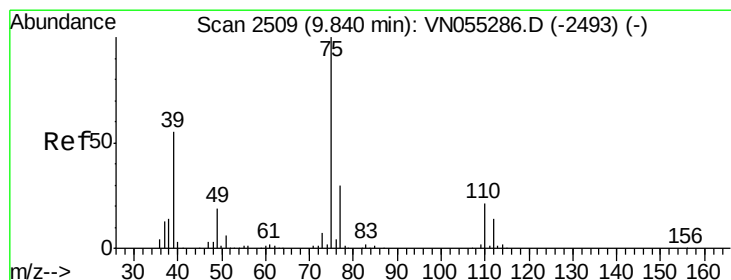
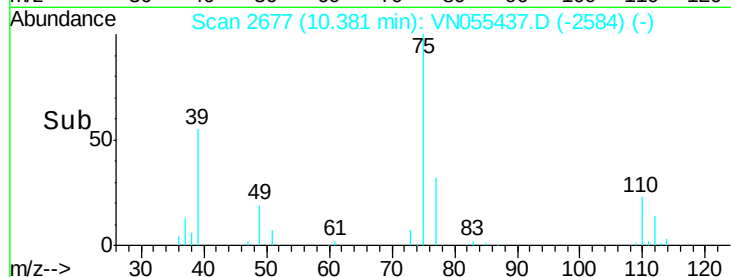
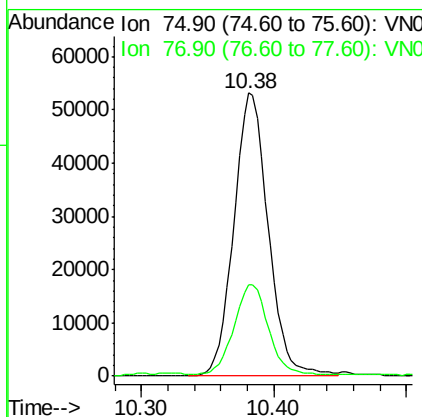
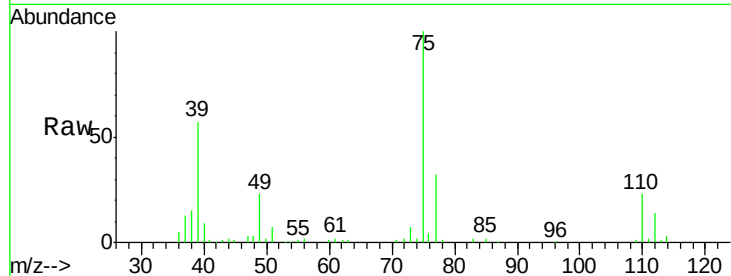
#53
t-1,3-Dichloropropene
Concen: 20.389 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampled :
VN0507MBS01

Tot Ion: 75 Resp: 96034
Ion Ratio Lower Upper
75 100
77 31.6 24.4 36.6

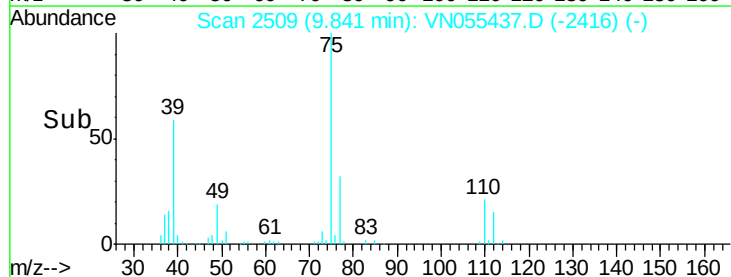
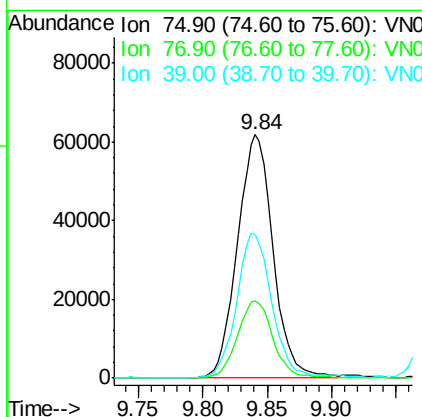
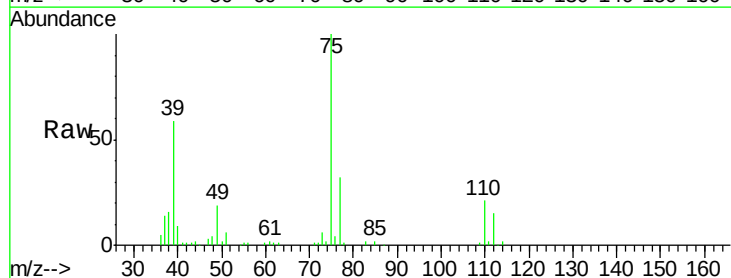
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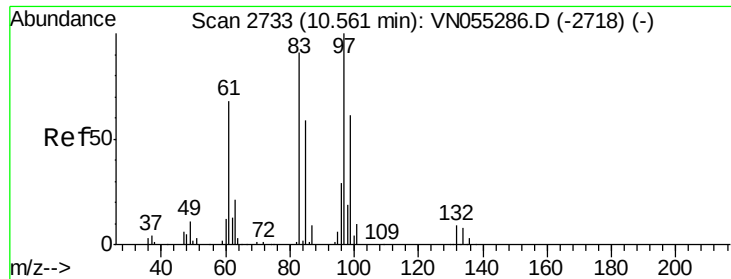
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5/8/2019 10:21:59 AM



#54
cis-1,3-Dichloropropene
Concen: 20.236 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion: 75 Resp: 118838
Ion Ratio Lower Upper
75 100
77 31.7 24.2 36.2
39 59.2 44.2 66.2





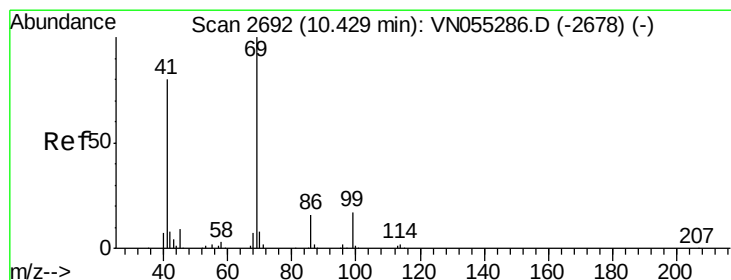
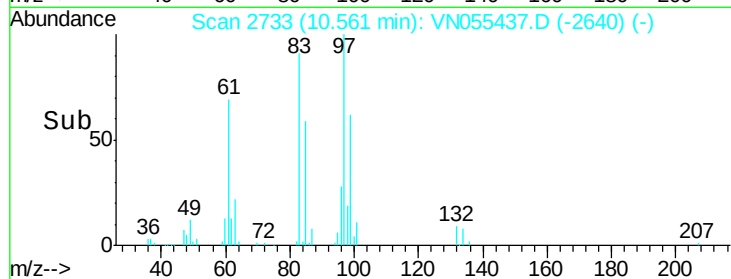
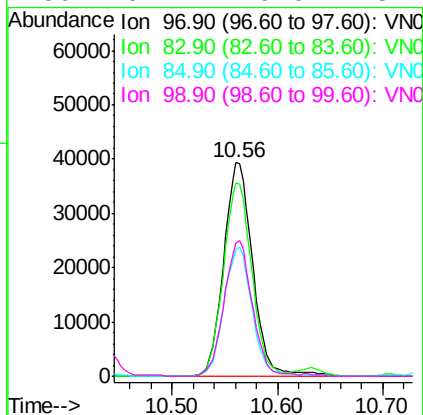
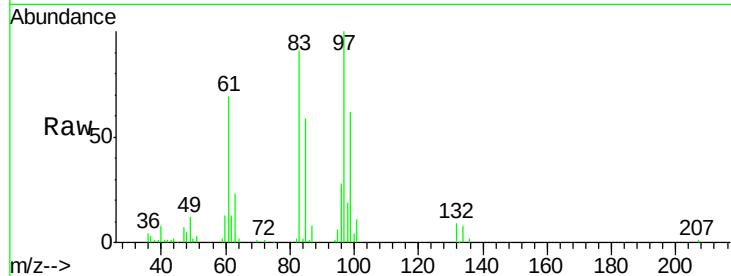
#55
 1,1,2-Trichloroethane
 Concen: 21.865 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507MBS01

Tot Ion:	97	Resp:	74737
Ion	Ratio	Lower	Upper
97	100		
83	90.6	72.8	109.2
85	59.1	47.0	70.6
99	62.2	49.0	73.4

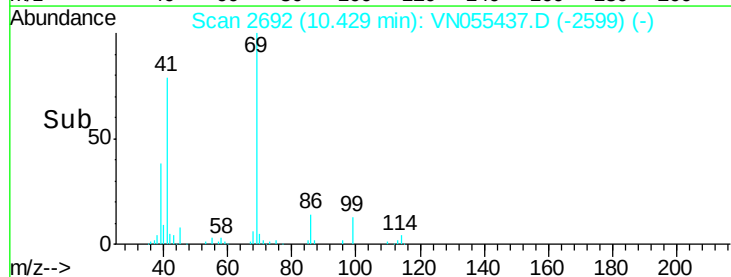
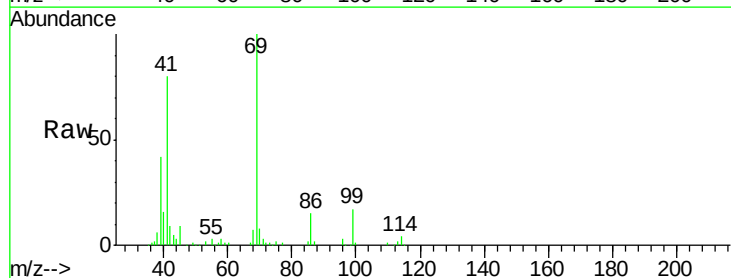
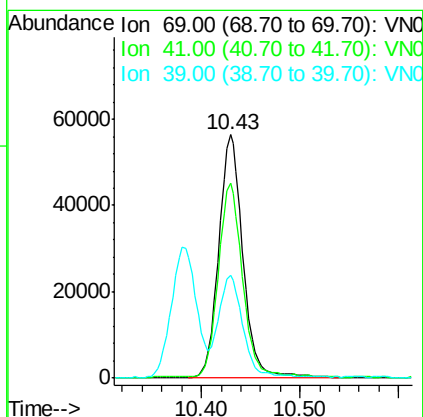
Manual Integrations
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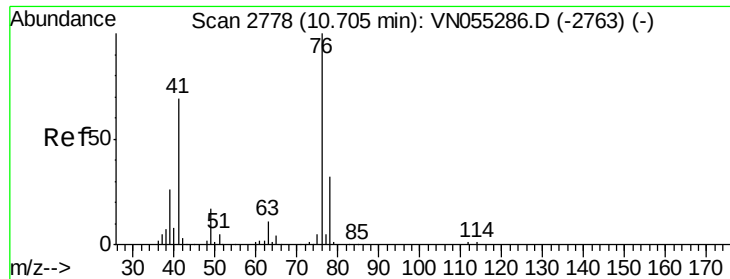
MMDadoda
 5/8/2019 10:21:59 AM



#56
 Ethyl methacrylate
 Concen: 23.023 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Tgt Ion:	69	Resp:	96860
Ion	Ratio	Lower	Upper
69	100		
41	78.9	62.7	94.1
39	41.7	32.0	48.0





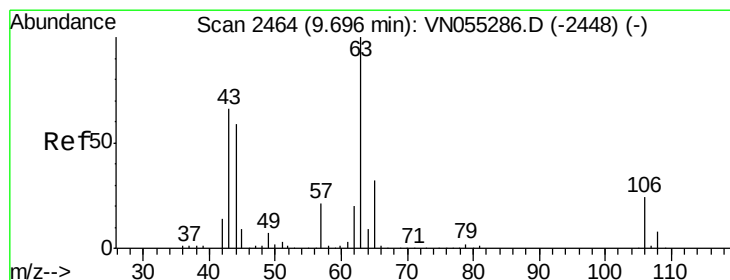
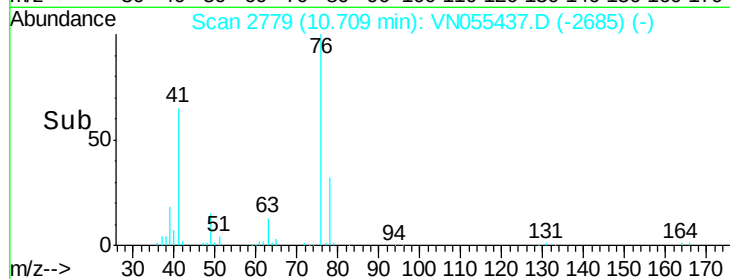
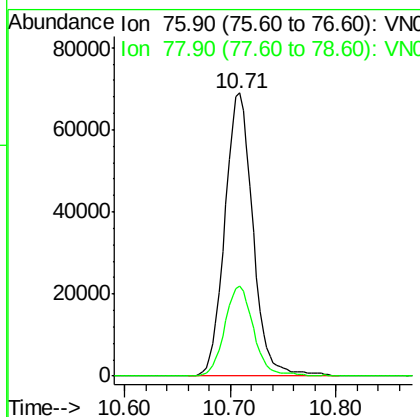
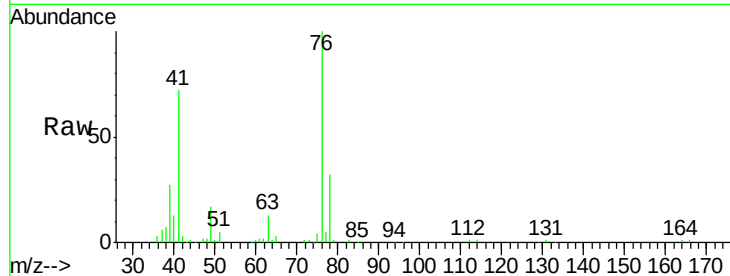
#57
 1,3-Dichloropropane
 Concen: 21.182 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507MBS01

Tot Ion: 76 Resp: 127011
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4

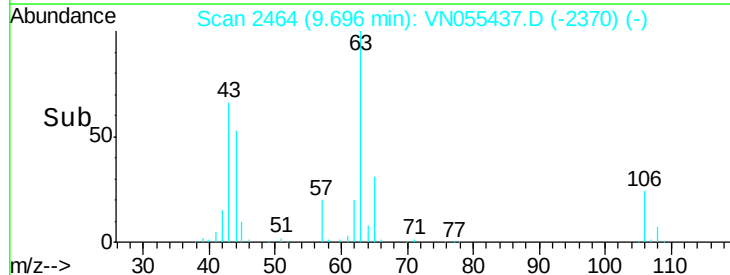
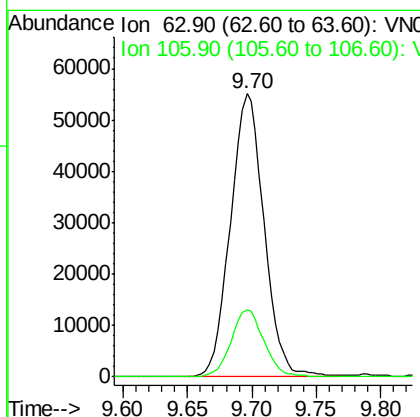
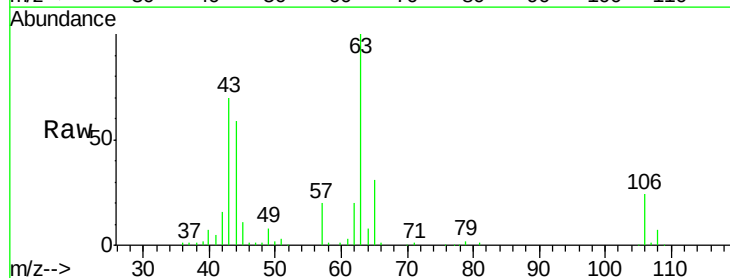
Manual Integrations
 APPROVED

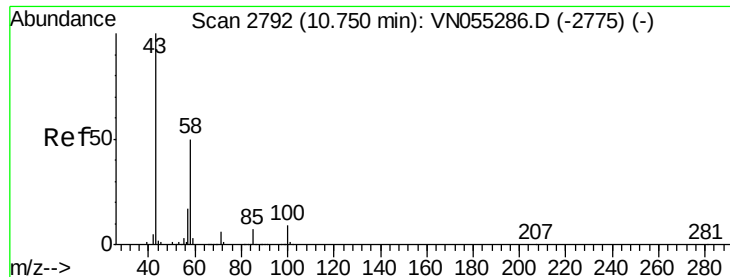
MMDadoda
 5/8/2019 10:21:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.338 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Tgt Ion: 63 Resp: 100199
 Ion Ratio Lower Upper
 63 100
 106 23.1 19.0 28.4





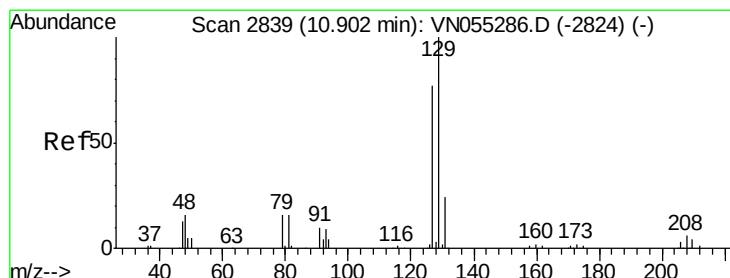
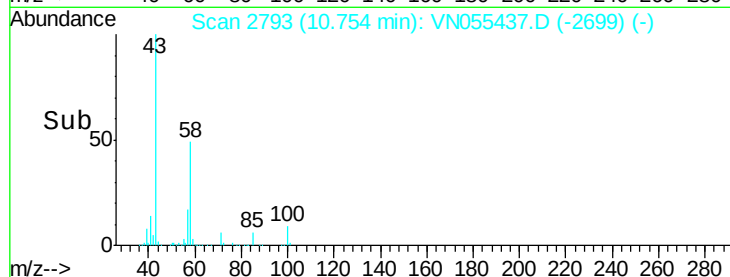
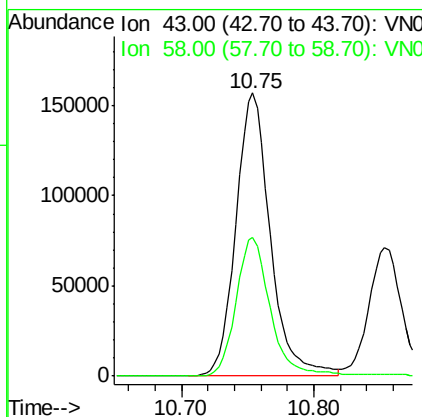
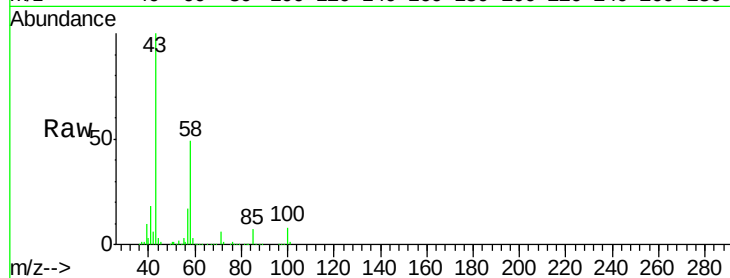
#59
2-Hexanone
Concen: 119.253 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampled :
VN0507MBS01

Tot Ion: 43 Resp: 281577
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.6

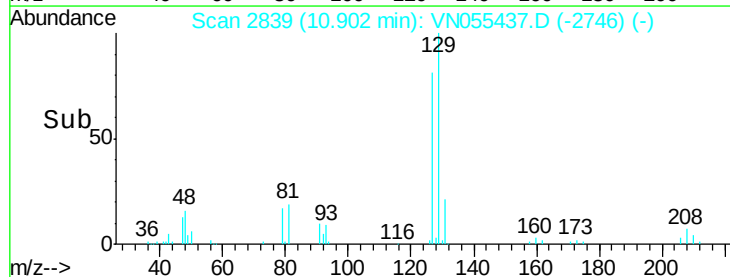
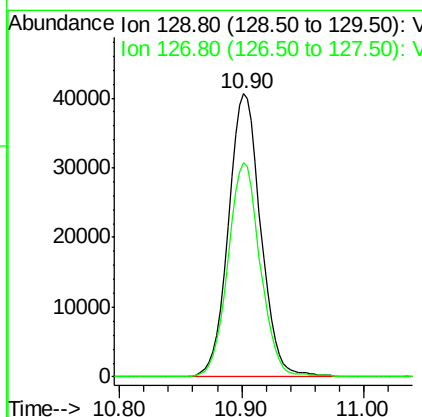
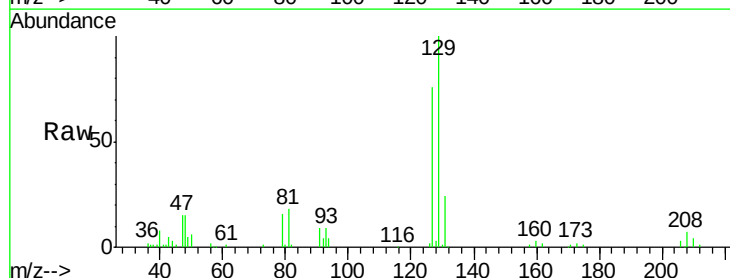
Manual Integrations
APPROVED

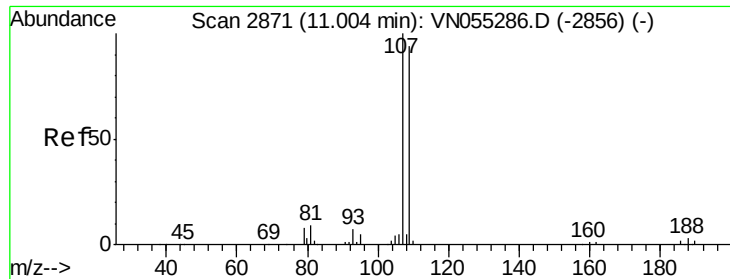
MMDadoda
5/8/2019 10:21:59 AM



#60
Dibromochloromethane
Concen: 21.412 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion: 129 Resp: 74803
Ion Ratio Lower Upper
129 100
127 76.0 38.1 114.5





#61

1,2-Dibromoethane

Concen: 21.765 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS01

Tot Ion: 107 Resp: 68764

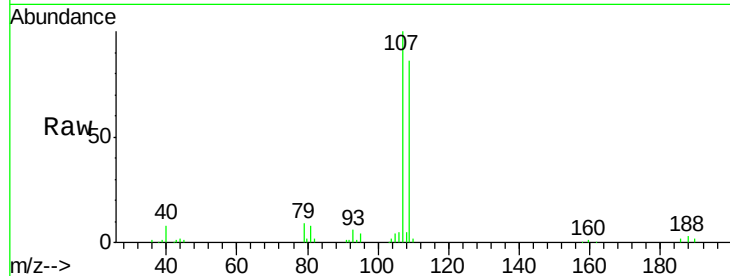
Ion Ratio Lower Upper

107 100

109 91.8 75.0 112.6

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:21:59 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

40000

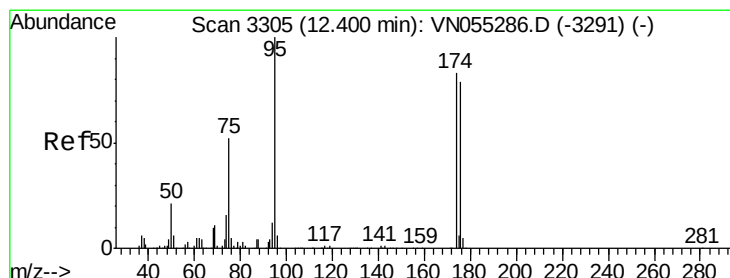
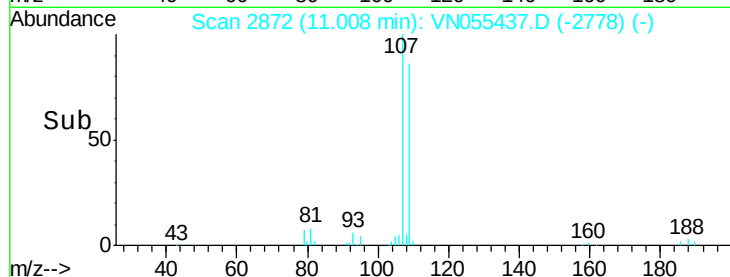
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.483 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

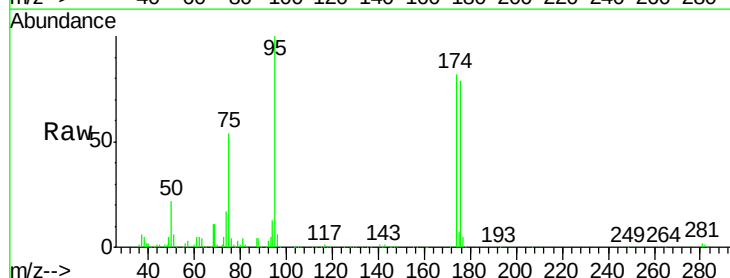
Tgt Ion: 95 Resp: 220872

Ion Ratio Lower Upper

95 100

174 81.6 0.0 166.6

176 78.7 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

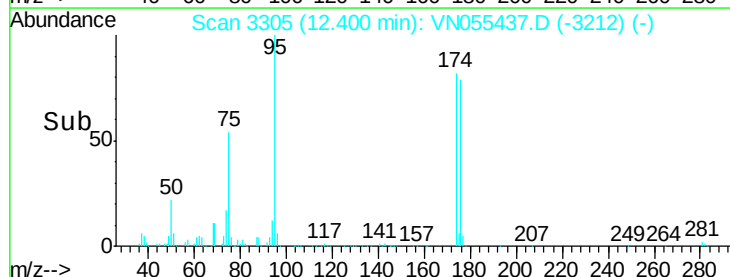
150000

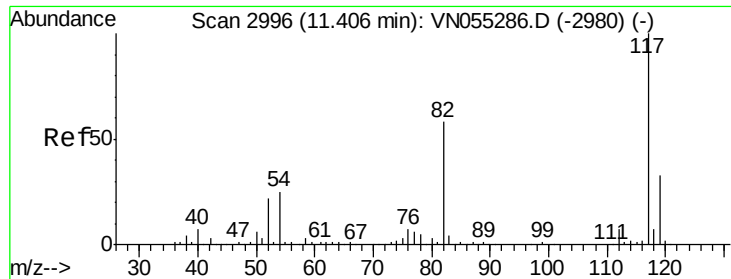
100000

50000

0

Time-->





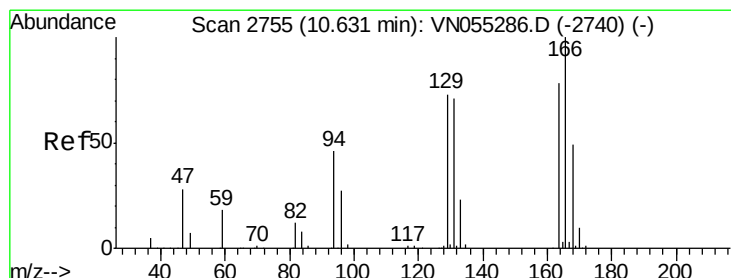
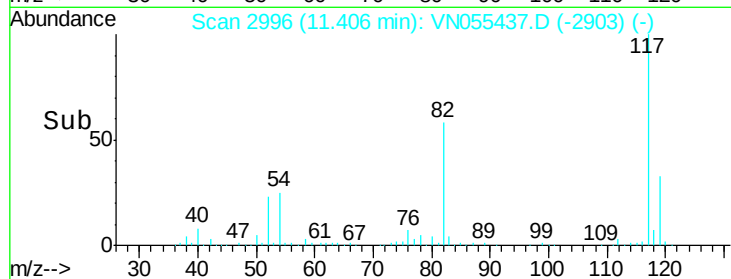
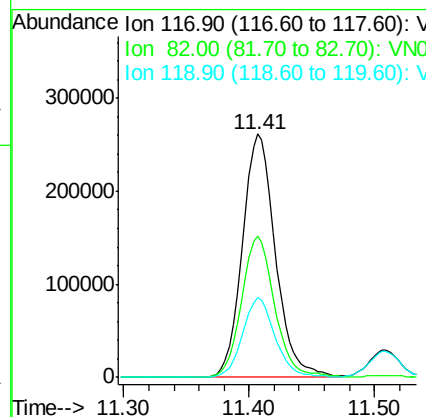
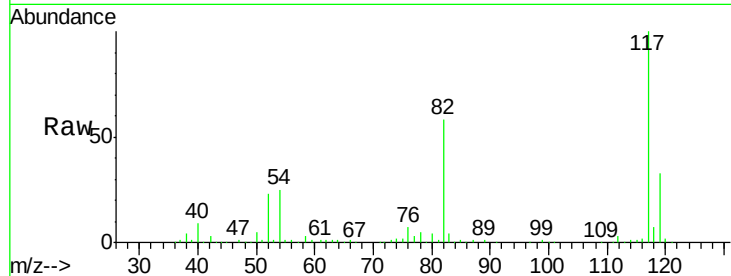
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampled :
VN0507MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.2	69.4
119	32.6	26.6	40.0

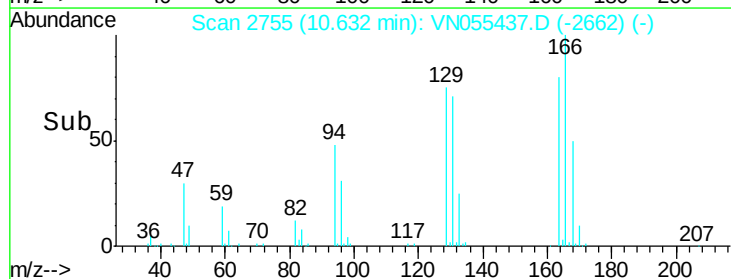
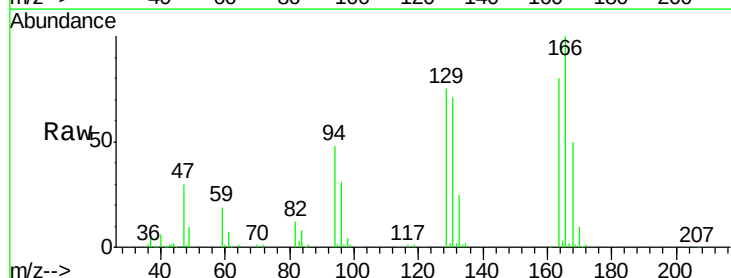
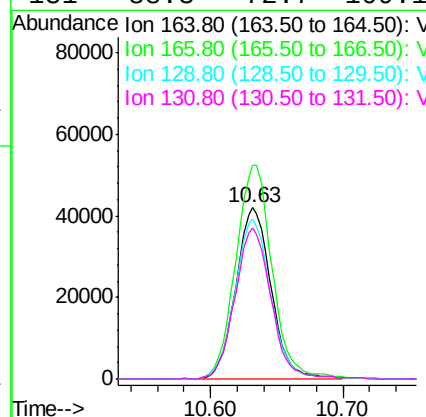
Manual Integrations
APPROVED

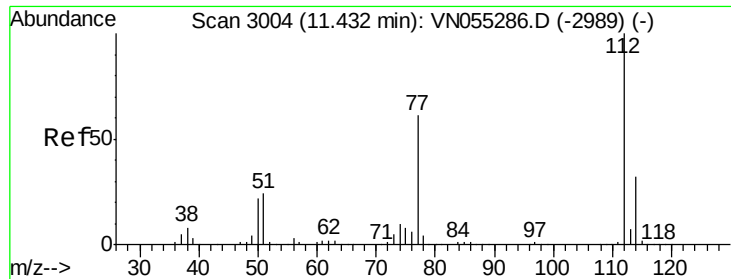
MMDadoda
5/8/2019 10:21:59 AM



#64
Tetrachloroethene
Concen: 19.839 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	102.3	153.5
129	93.1	75.0	112.6
131	88.3	72.7	109.1





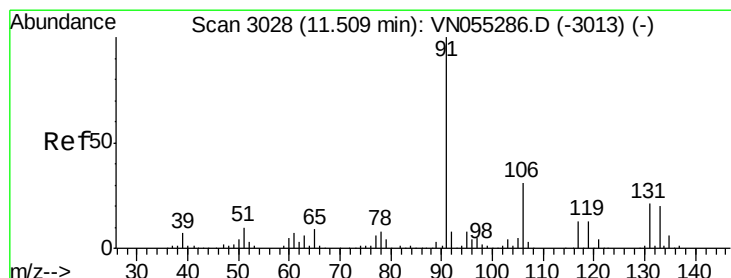
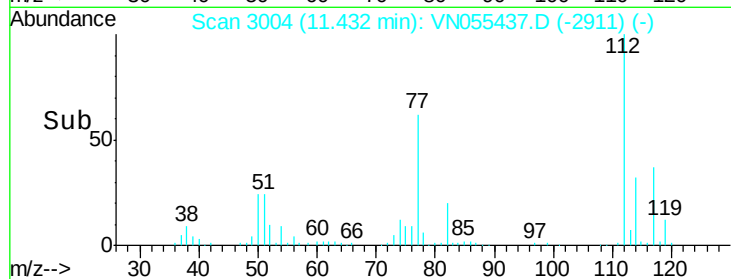
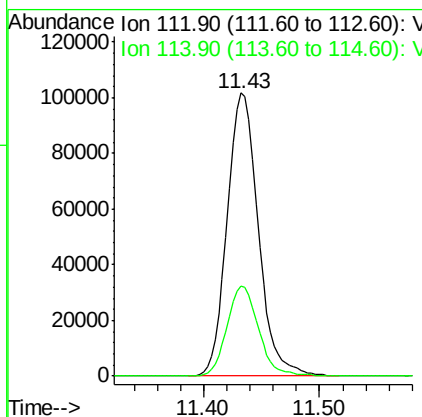
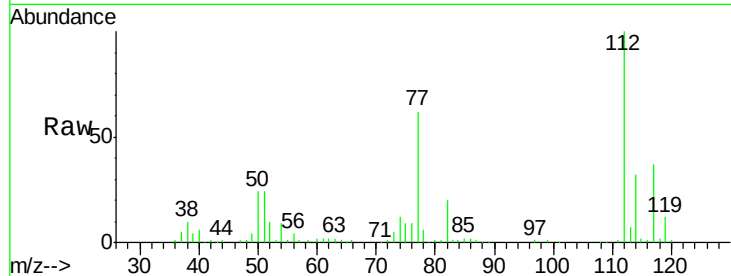
#65
Chlorobenzene
Concen: 20.161 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampled :
VN0507MBS01

Tot Ion:112 Resp: 188793
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9

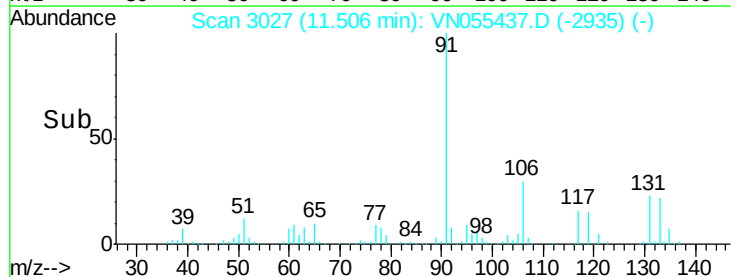
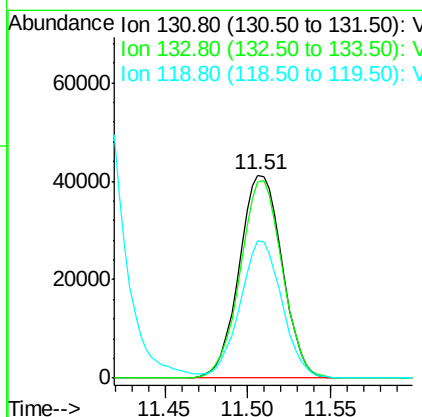
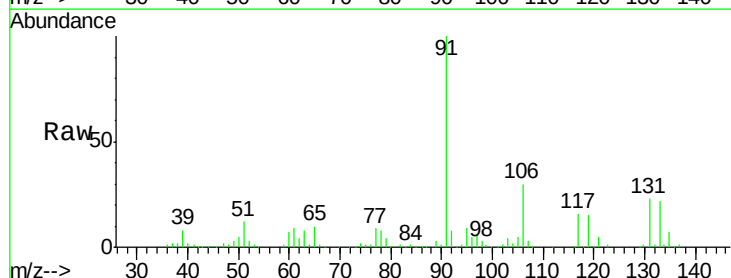
Manual Integrations
APPROVED

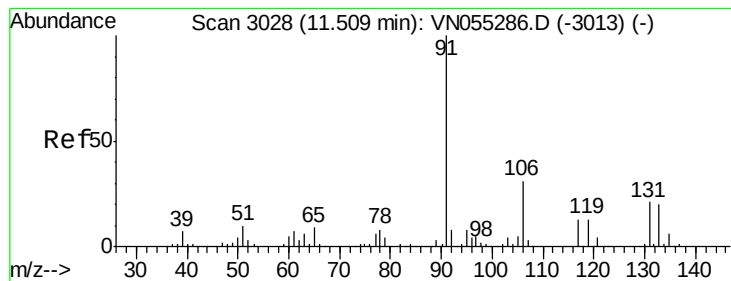
MMDadoda
5/8/2019 10:21:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.241 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion:131 Resp: 74216
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.6
119 66.3 32.7 98.1





#67

Ethyl Benzene

Concen: 20.192 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

VN0507MBS01

Tot Ion: 91 Resp: 341445

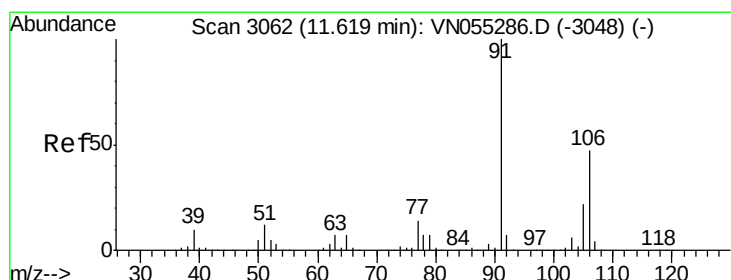
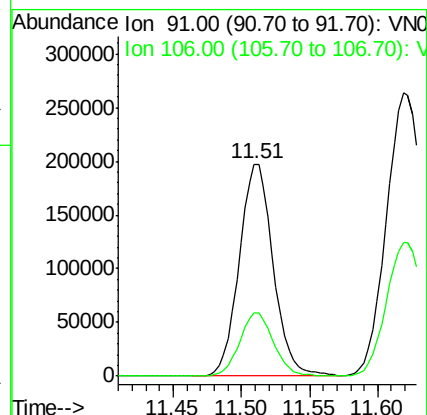
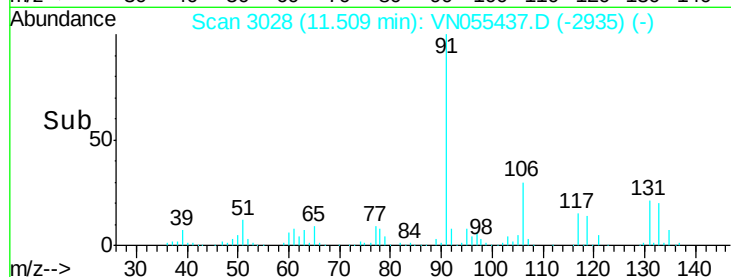
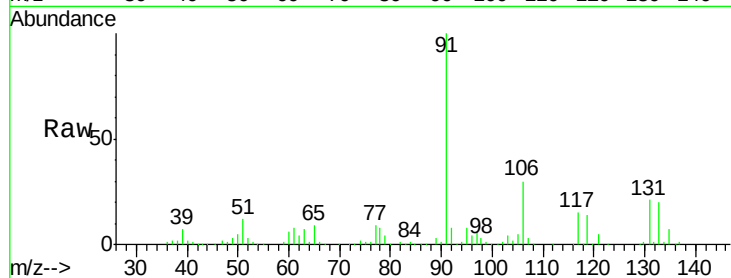
Ion Ratio Lower Upper

91 100

106 29.8 24.6 36.8

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:21:59 AM



#68

m/p-Xylenes

Concen: 40.801 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055437.D

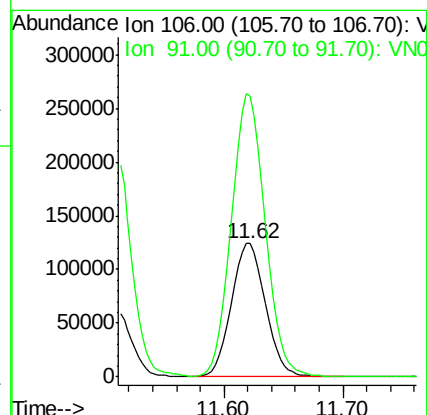
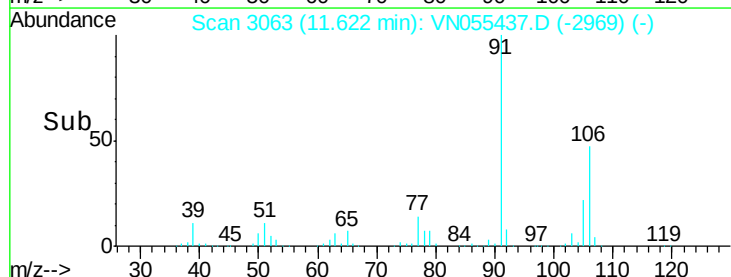
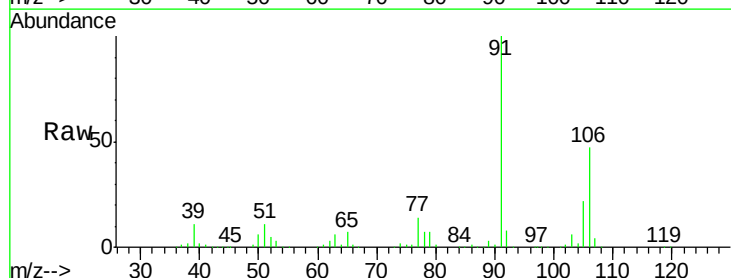
Acq: 7 May 2019 15:04

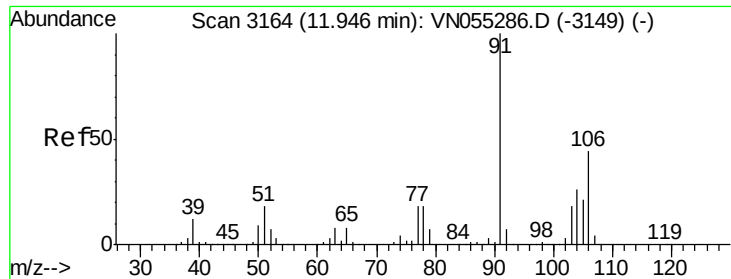
Tgt Ion: 106 Resp: 246263

Ion Ratio Lower Upper

106 100

91 209.8 169.5 254.3





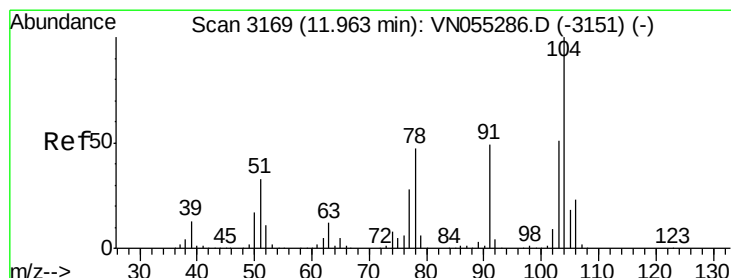
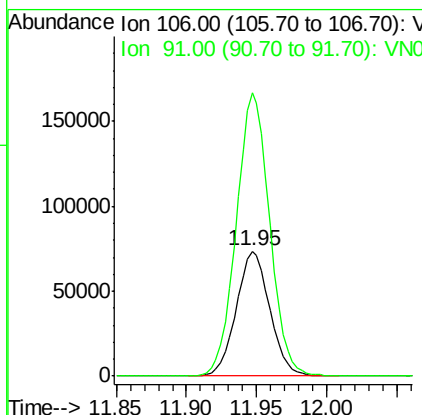
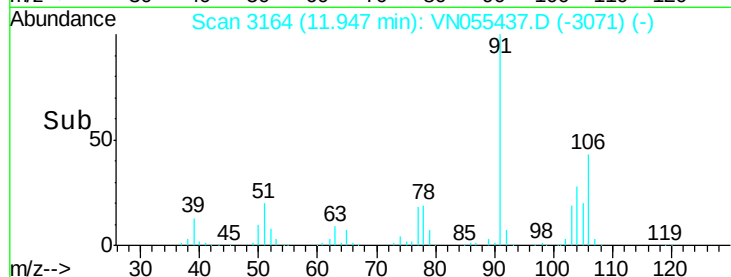
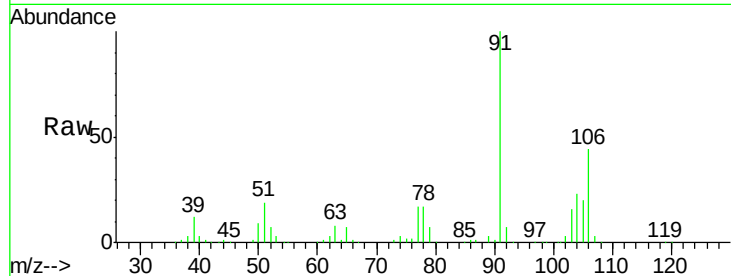
#69
o-Xylene
Concen: 20.538 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.1	111.5	334.5

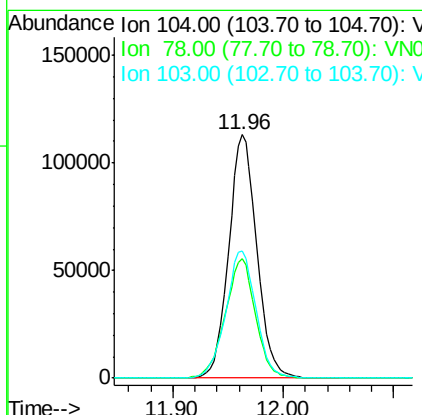
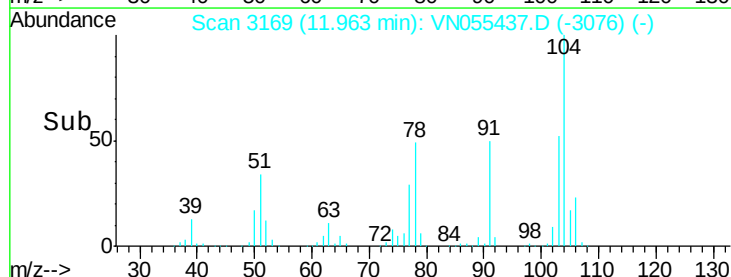
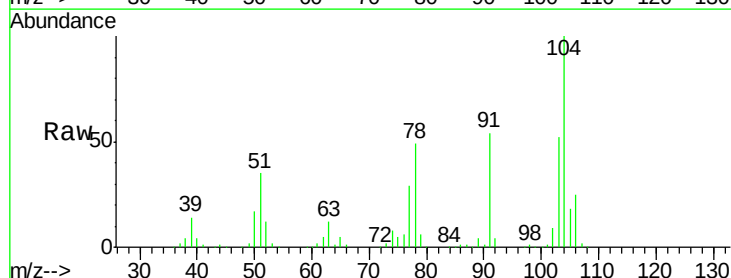
Manual Integrations
APPROVED

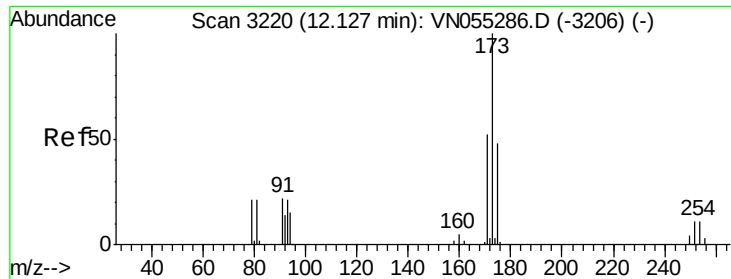
MMDadoda
5/8/2019 10:21:59 AM



#70
Styrene
Concen: 21.690 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.2
103	56.3	44.6	67.0





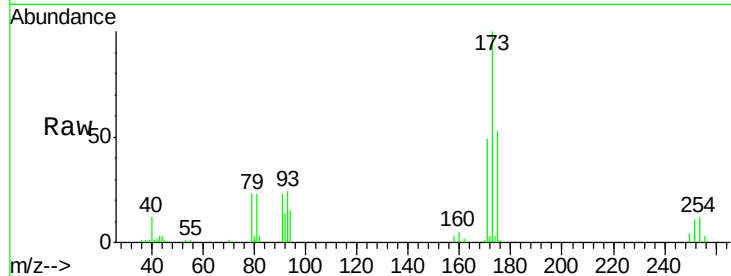
#71
Bromoform
Concen: 22.141 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampled :
VN0507MBS01

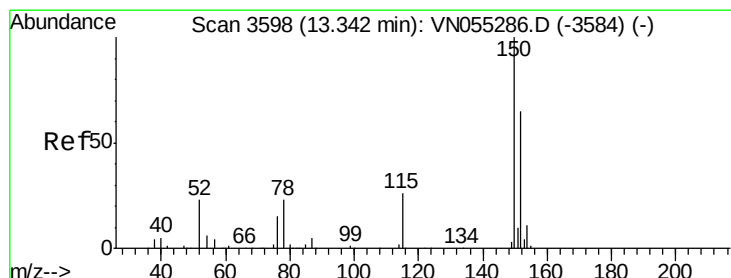
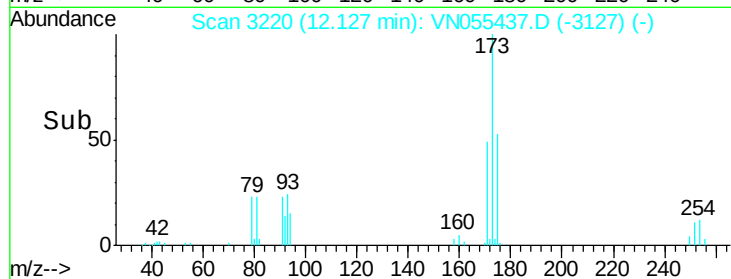
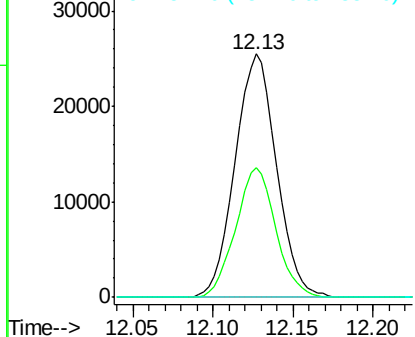
Tot Ion	Ratio	Lower	Upper
173	100		
175	51.2	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
5/8/2019 10:21:59 AM

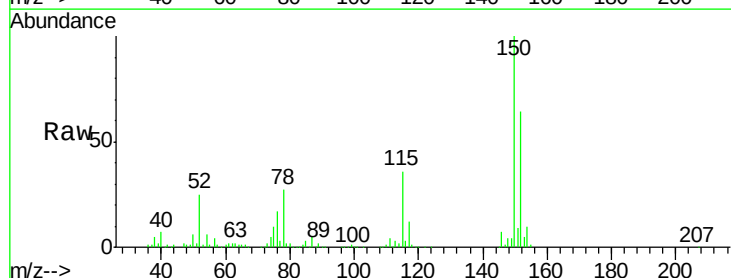


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

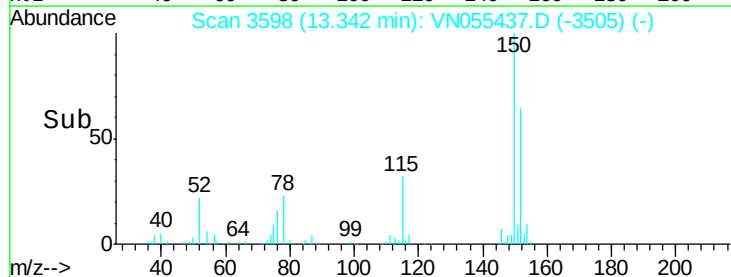
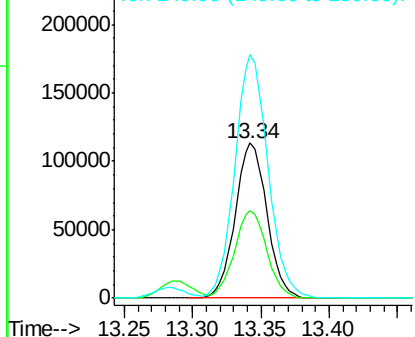


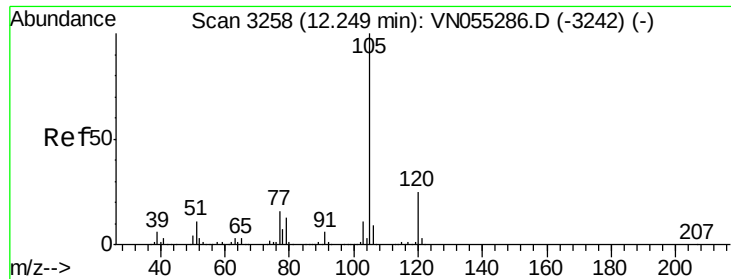
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.0	87.0
150	164.5	0.0	345.6



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





#73

Isopropylbenzene

Concen: 21.122 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

VN0507MBS01

Tot Ion: 105 Resp: 333466

Ion Ratio Lower Upper

105 100

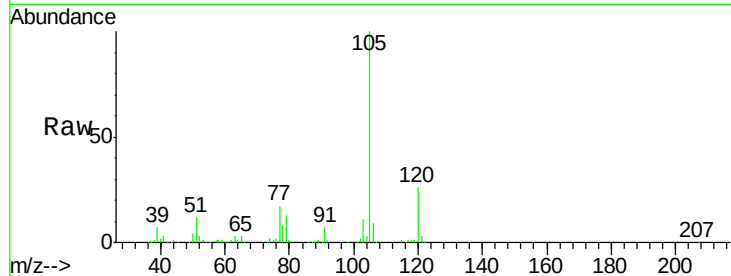
120 25.5 12.9 38.7

Manual Integrations

APPROVED

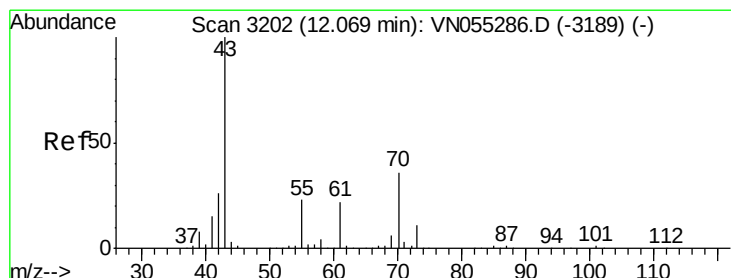
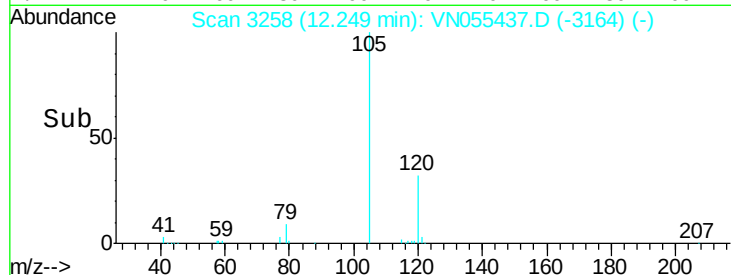
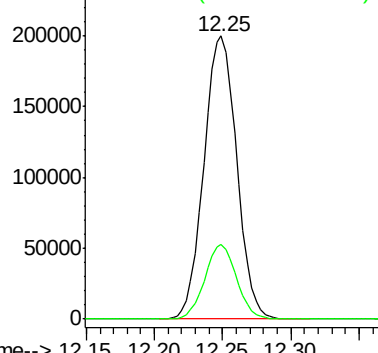
MMDadoda

5/8/2019 10:21:59 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.241 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Tgt Ion: 43 Resp: 99551

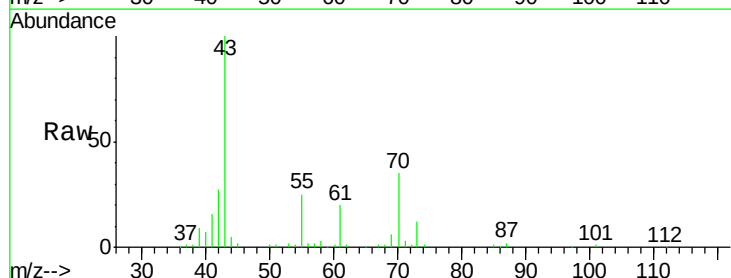
Ion Ratio Lower Upper

43 100

70 35.4 27.9 41.9

55 23.8 18.2 27.2

61 20.8 16.9 25.3

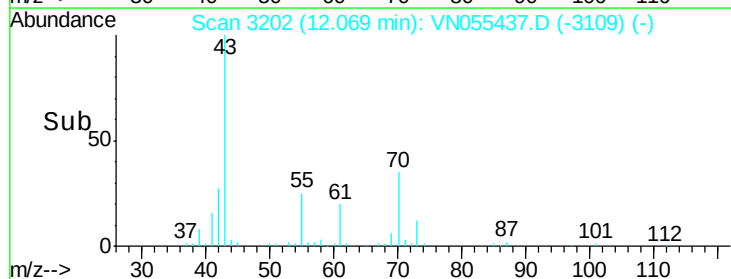
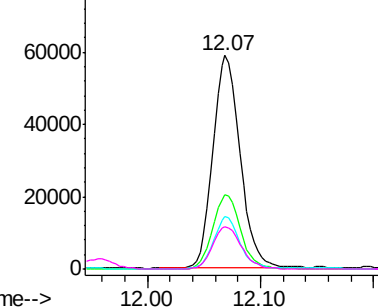


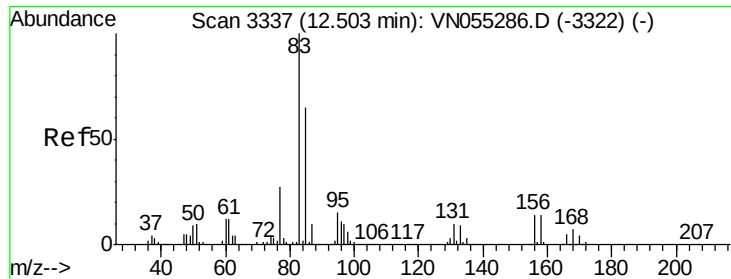
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.116 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

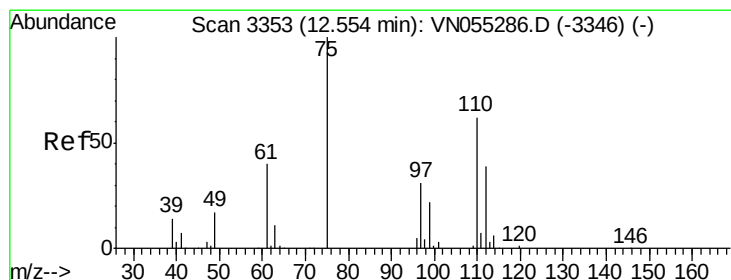
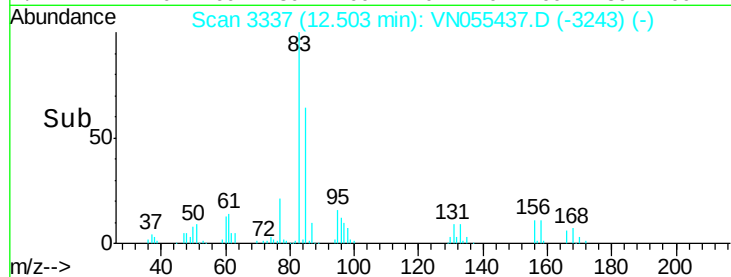
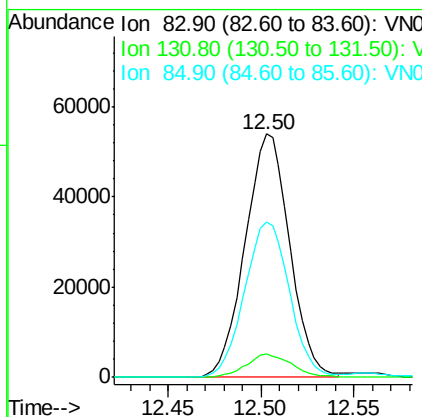
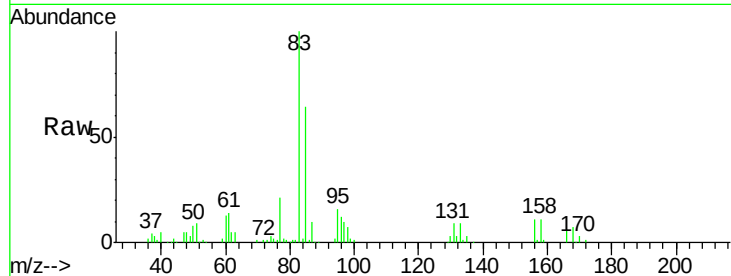
ClientSampleId :

VN0507MBS01

Tot Ion:	83	Resp:	89828
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	64.5	32.3	96.8

Manual Integrations
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MMDadoda
5/8/2019 10:21:59 AM



#76

1,2,3-Trichloropropane

Concen: 20.755 ug/l m

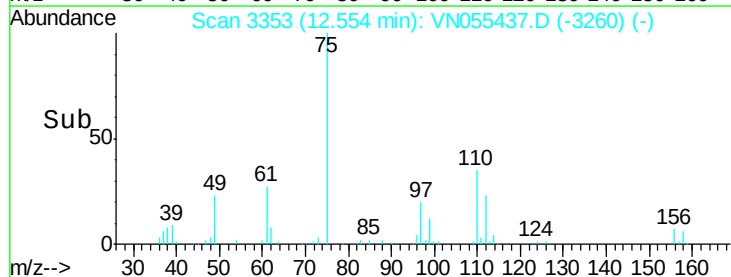
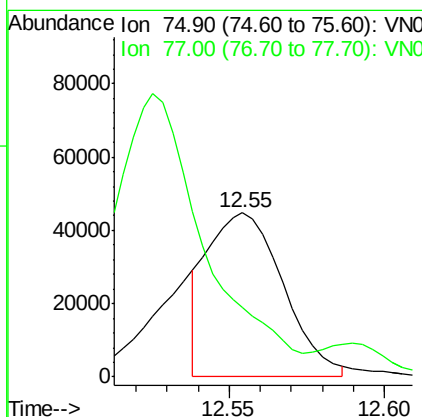
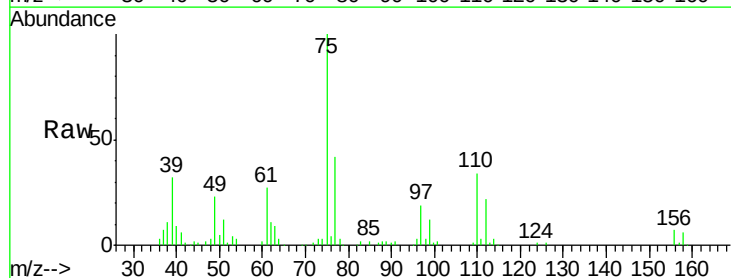
RT: 12.55 min Scan# 3353

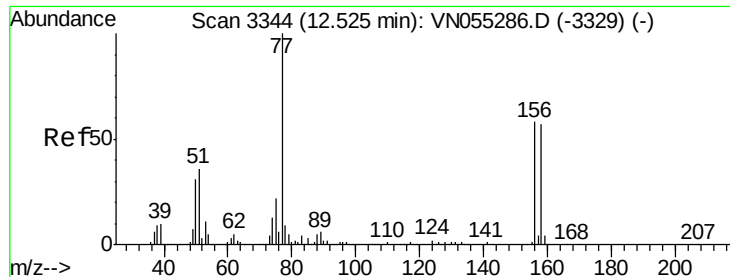
Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Tgt Ion:	75	Resp:	75452
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.087 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

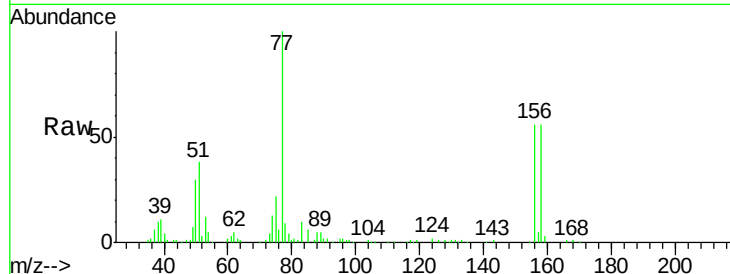
ClientSampled :

VN0507MBS01

Tot Ion:	156	Resp:	77907
Ion	Ratio	Lower	Upper
156	100		
77	204.9	99.6	298.8
158	98.2	49.3	147.8

Manual Integrations
APPROVED

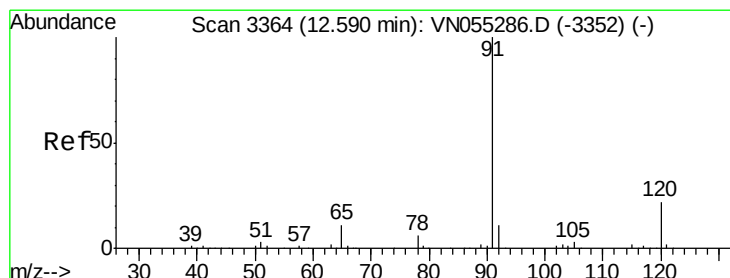
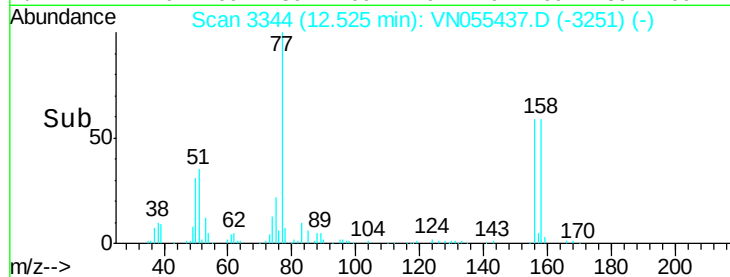
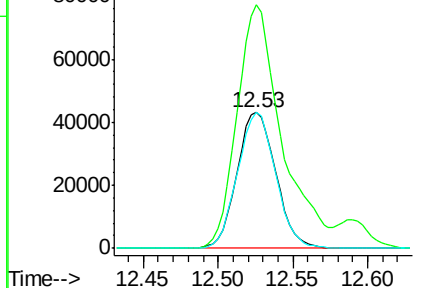
MMDadoda
5/8/2019 10:21:59 AM



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: 19.319 ug/l

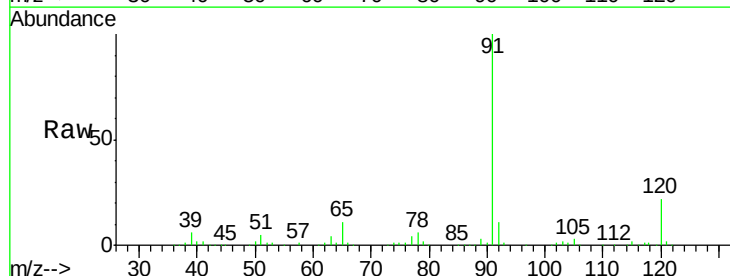
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055437.D

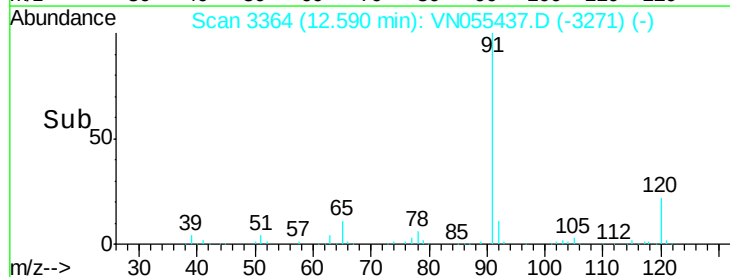
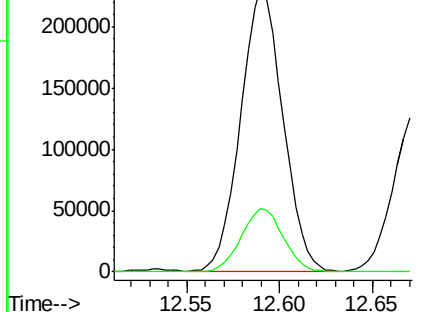
Acq: 7 May 2019 15:04

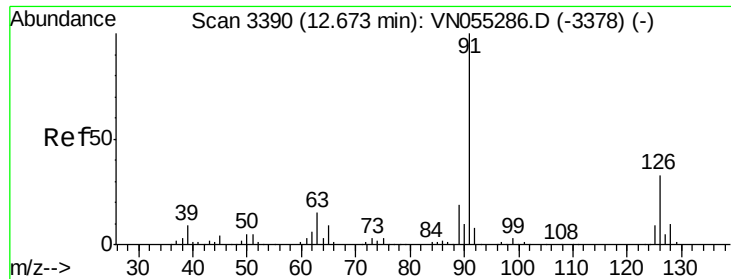
Tgt Ion:	91	Resp:	362412
Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





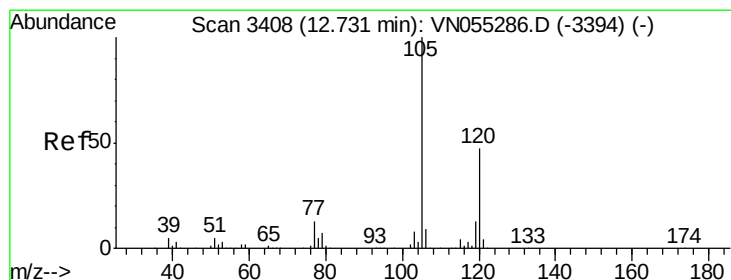
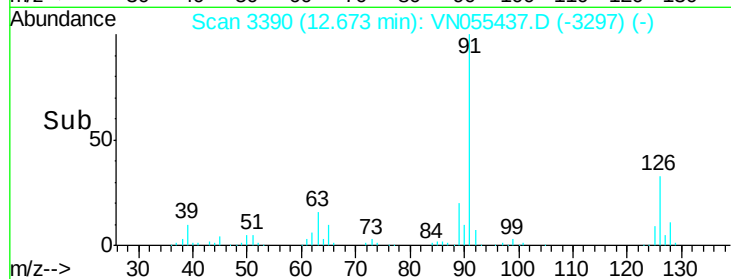
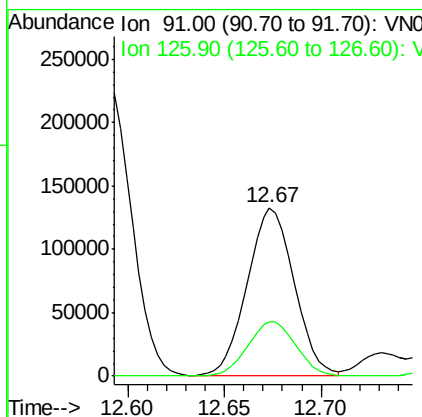
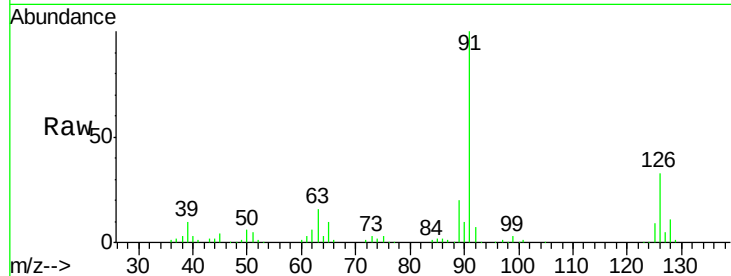
#79
 2-Chlorotoluene
 Concen: 20.967 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507MBS01

Tot Ion: 91 Resp: 222822
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.6 49.7

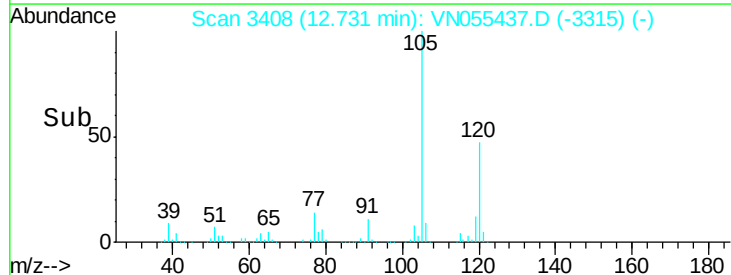
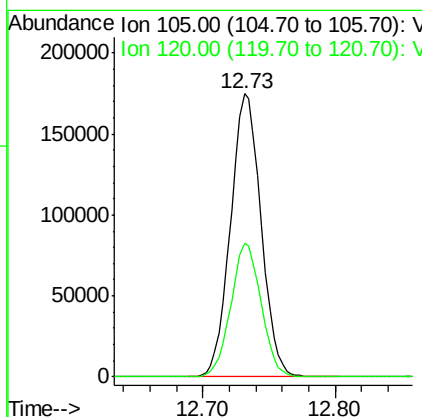
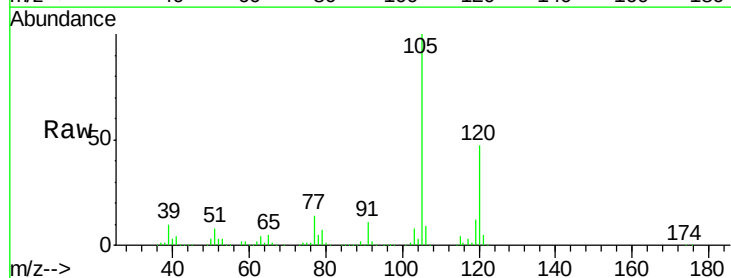
Manual Integrations
 APPROVED

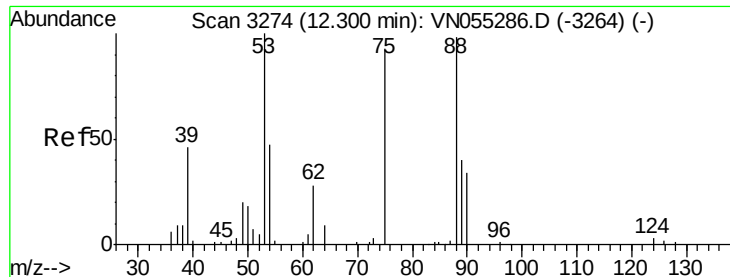
MMDadoda
 5/8/2019 10:21:59 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.416 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Tgt Ion: 105 Resp: 277973
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.0





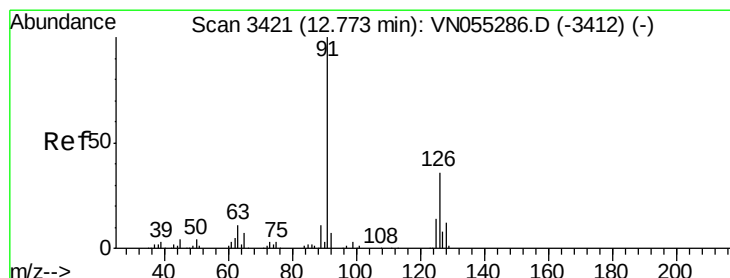
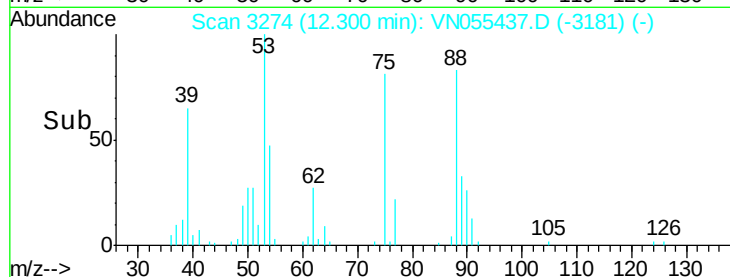
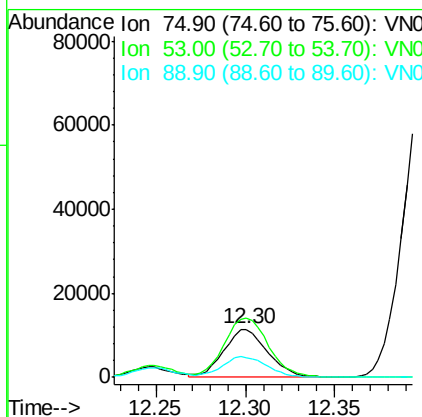
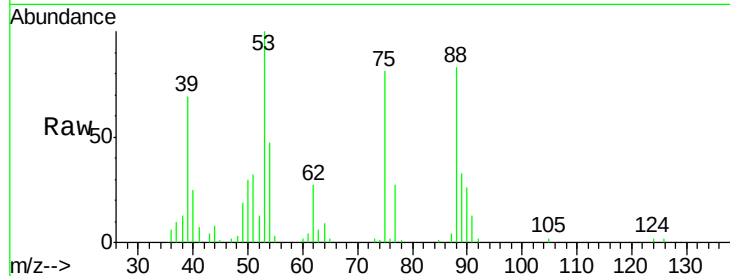
#81
trans-1,4-Dichloro-2-butene
Concen: 20.332 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.4	86.3	129.5
89	43.8	34.6	51.8

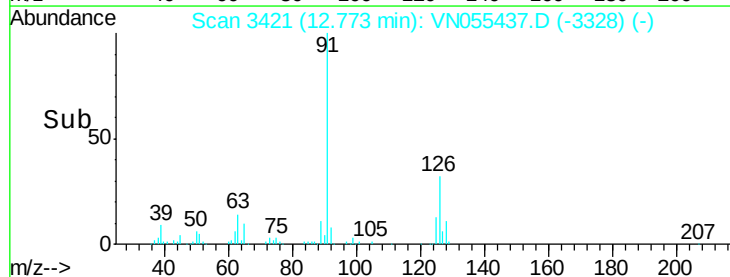
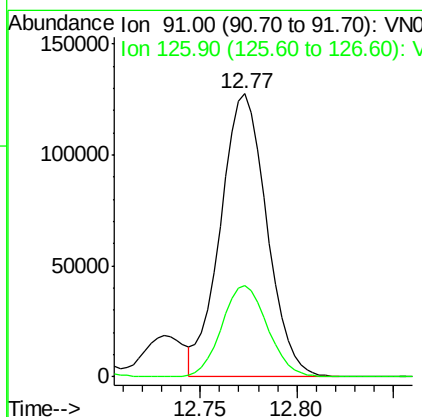
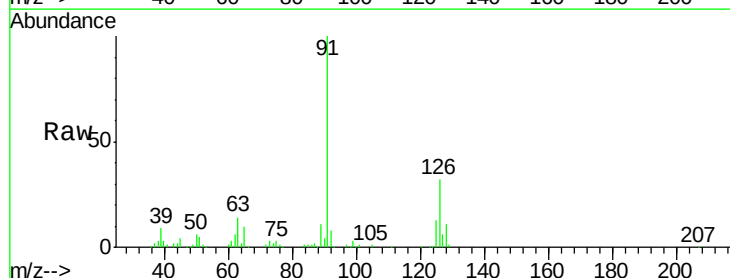
Manual Integrations
APPROVED

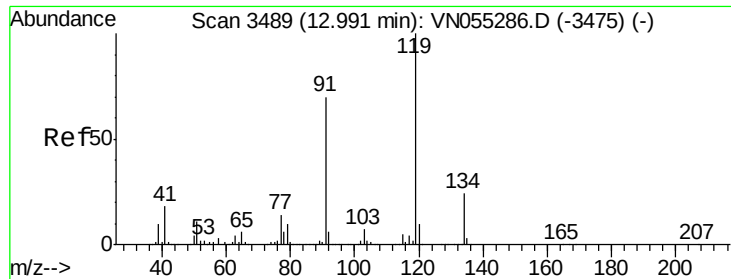
MMDadoda
5/8/2019 10:21:59 AM



#82
4-Chlorotoluene
Concen: 19.348 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.6	49.7





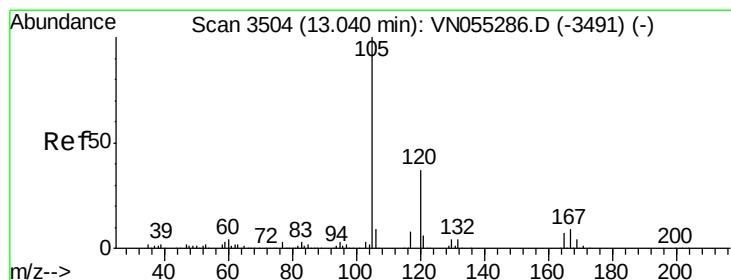
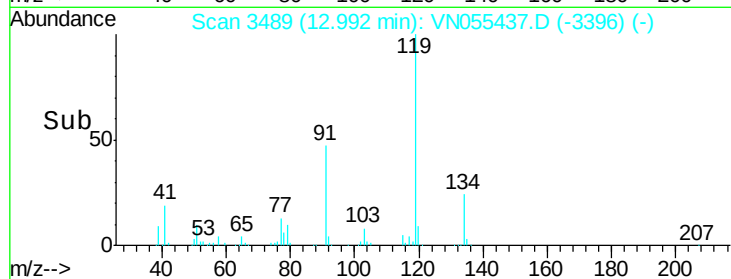
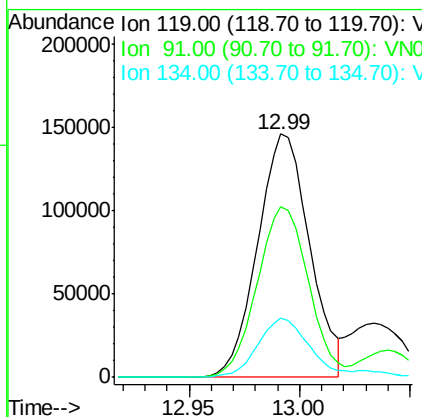
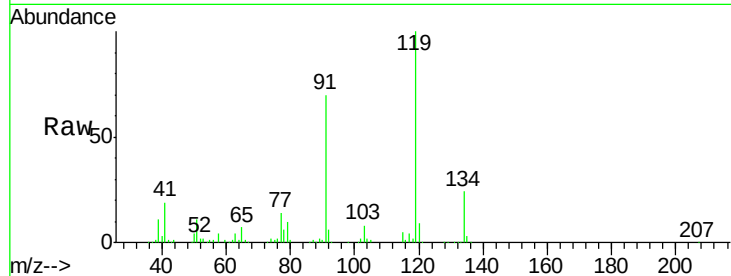
#83
 tert-Butylbenzene
 Concen: 21.929 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	238787		
91	69.2		34.3	102.9
134	24.1		13.1	39.3

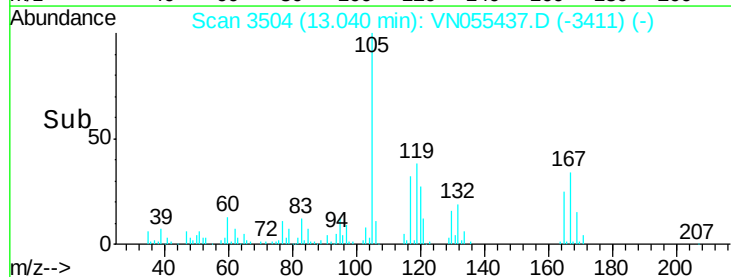
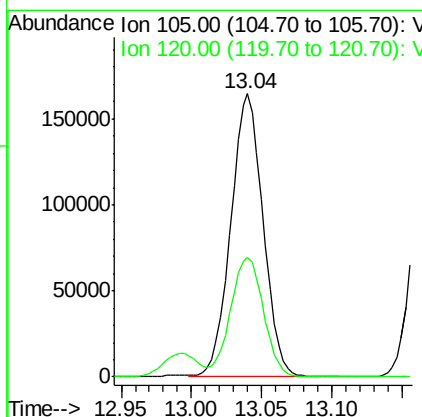
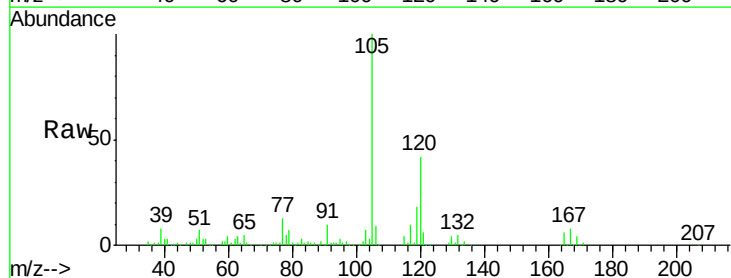
Manual Integrations
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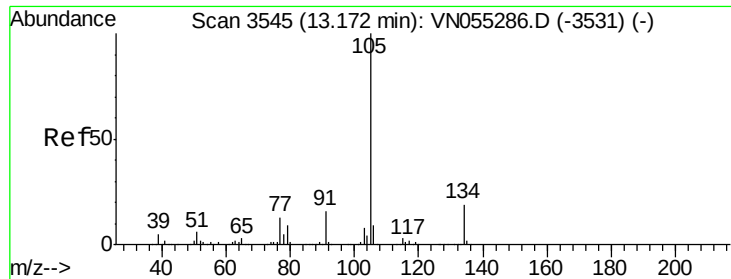
MMDadoda
 5/8/2019 10:21:59 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.593 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	263686		
120	43.3		22.1	66.5





#85

sec-Butylbenzene

Concen: 20.067 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

VN0507MBS01

Tot Ion:105 Resp: 312273

Ion Ratio Lower Upper

105 100

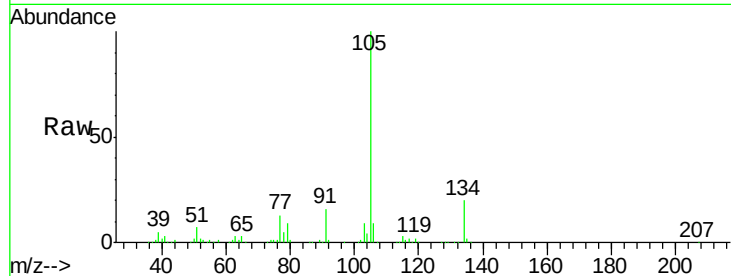
134 19.4 9.6 28.8

Manual Integrations

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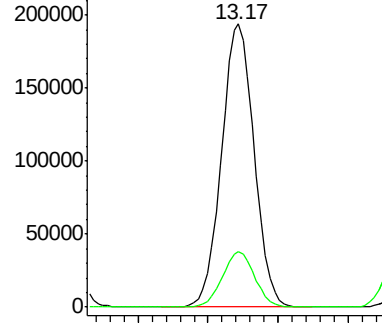
MMDadoda

5/8/2019 10:21:59 AM

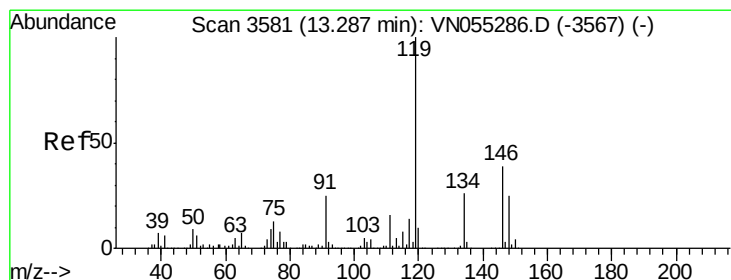
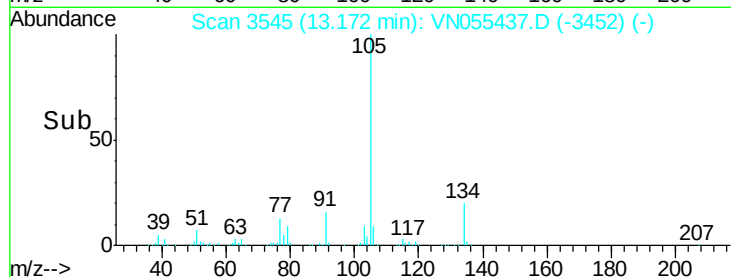


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.702 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

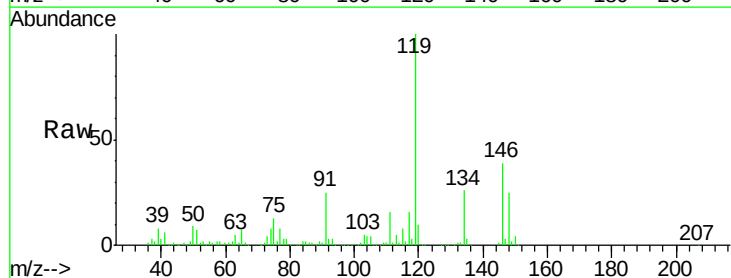
Tgt Ion:119 Resp: 264781

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

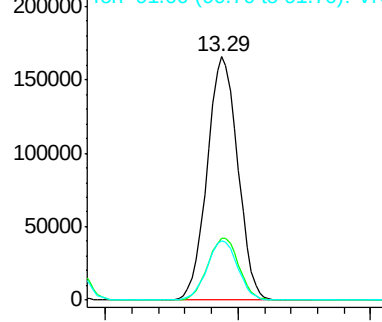
91 24.5 12.2 36.6



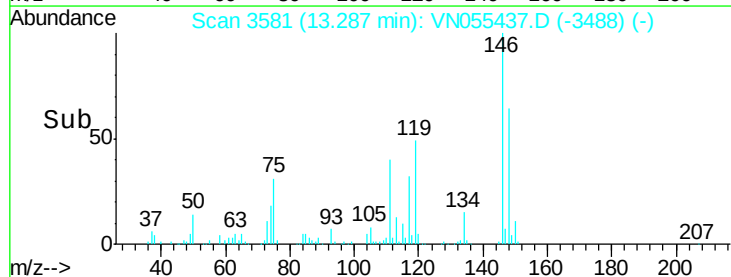
Abundance Ion 119.00 (118.70 to 119.70): V

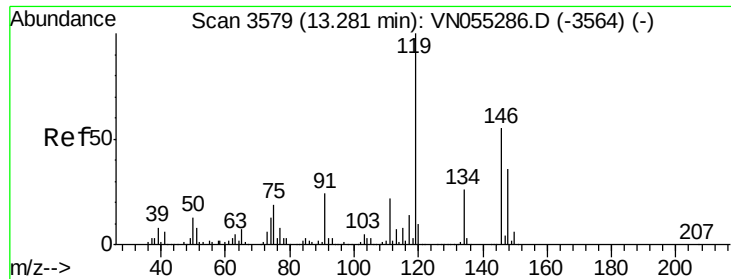
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





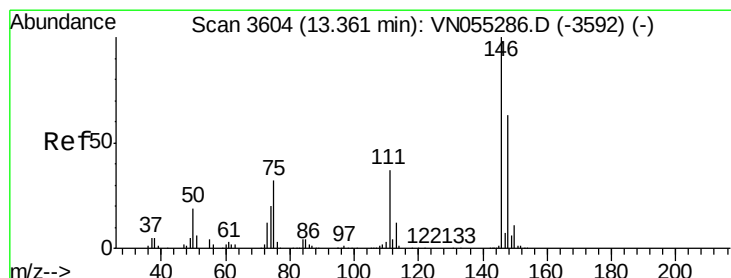
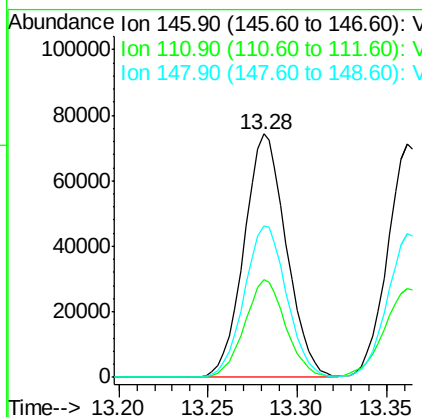
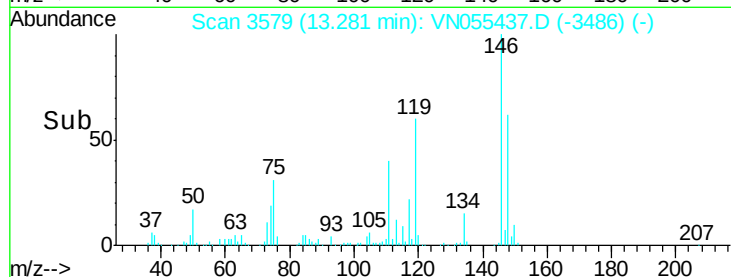
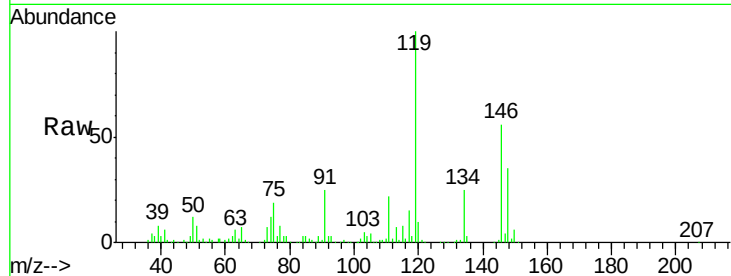
#87
 1,3-Dichlorobenzene
 Concen: 20.182 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123330		
111	38.8	20.3	60.8	
148	62.3	32.5	97.5	

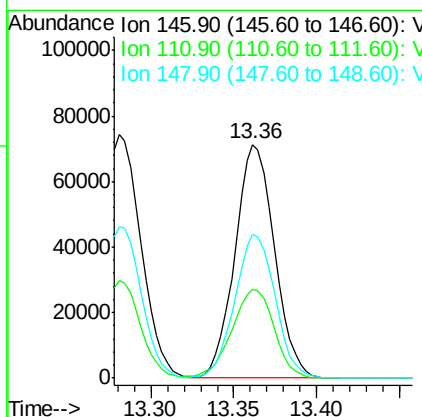
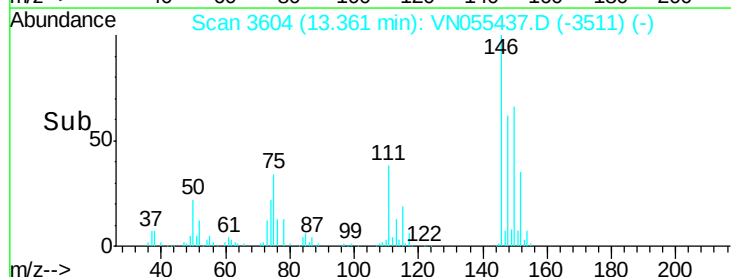
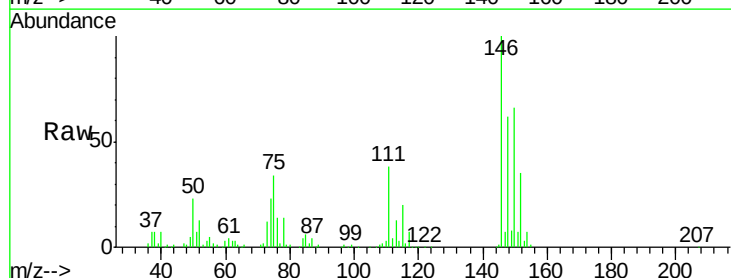
Manual Integrations
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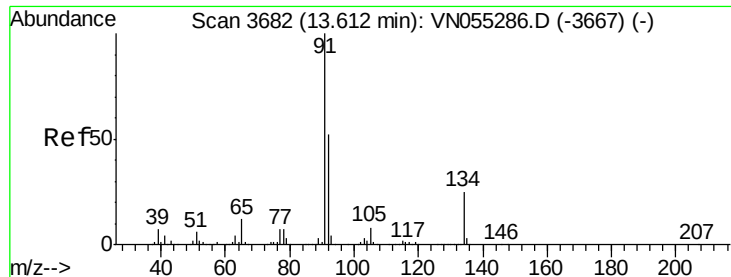
MMDadoda
 5/8/2019 10:21:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.560 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055437.D
 Acq: 7 May 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118323		
111	40.7	19.5	58.5	
148	62.6	32.5	97.4	





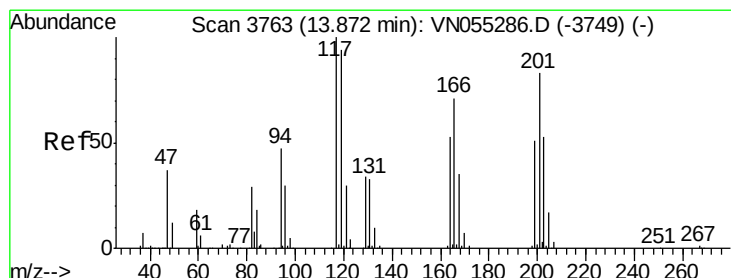
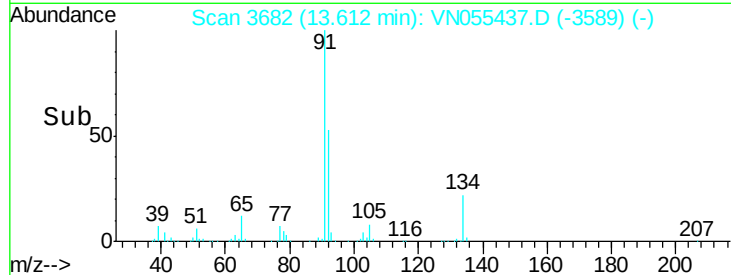
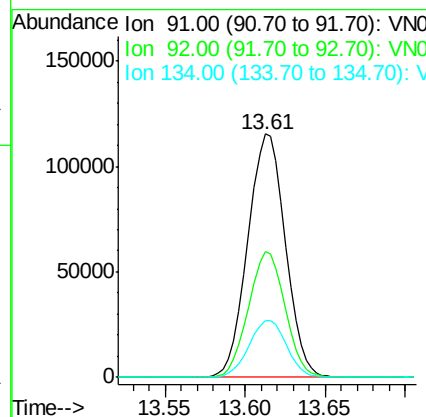
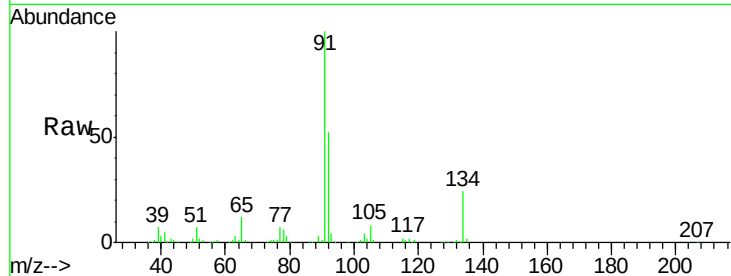
#89
n-Butylbenzene
Concen: 20.354 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Instrument :
MSVOA_N
ClientSampled :
VN0507MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	26.1	78.3
134	23.5	12.4	37.4

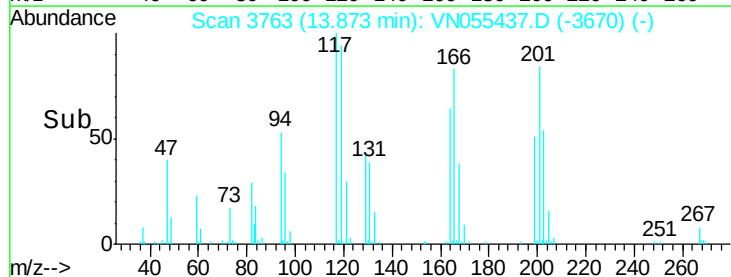
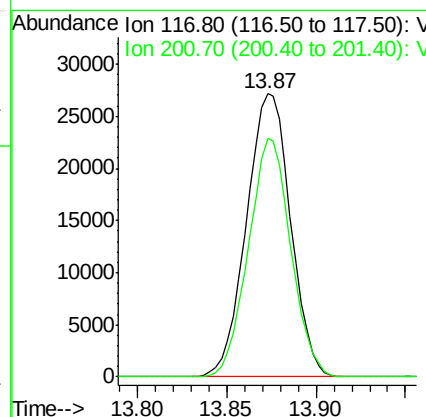
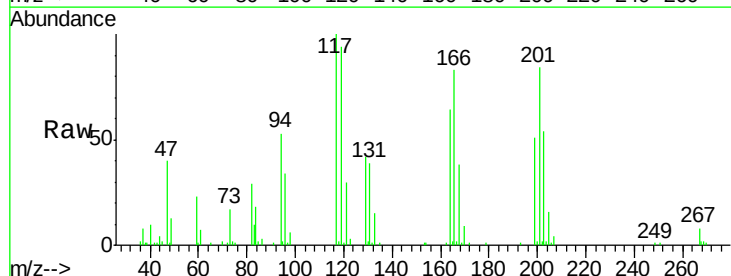
Manual Integrations
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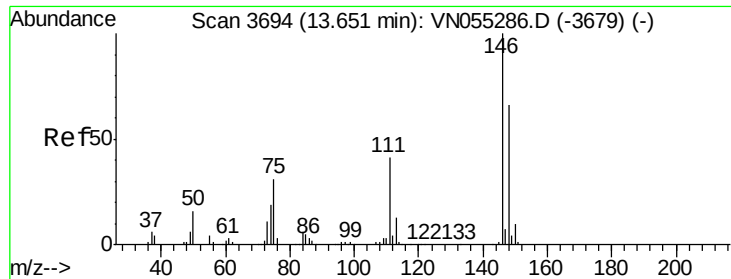
MMDadoda
5/8/2019 10:21:59 AM



#90
Hexachloroethane
Concen: 22.231 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055437.D
Acq: 7 May 2019 15:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.0	41.9	125.8





#91

1,2-Dichlorobenzene

Concen: 20.636 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

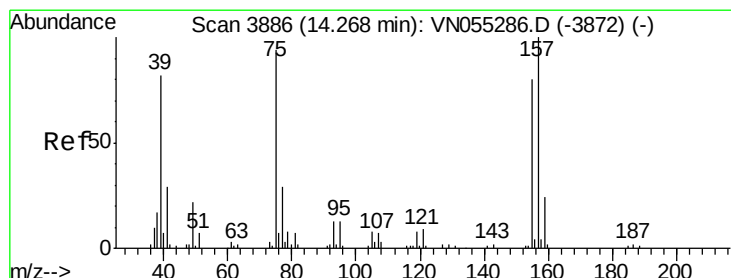
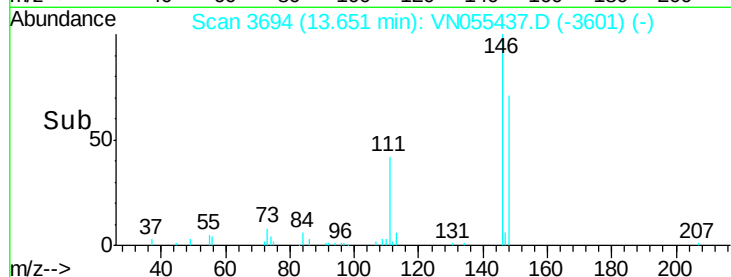
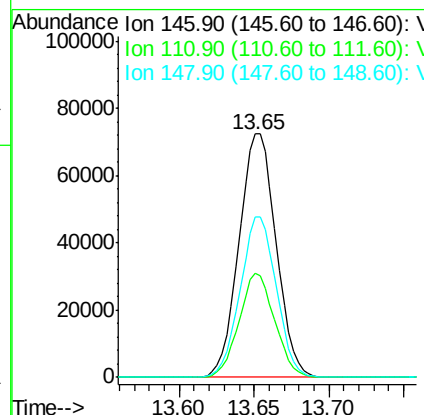
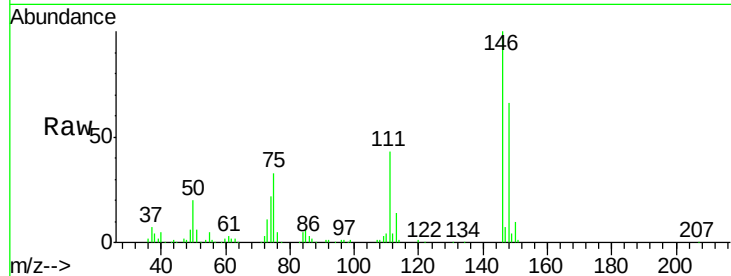
ClientSampled :

VN0507MBS01

Tot Ion:	146	Resp:	124988
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.3	61.0
148	64.2	32.4	97.2

Manual Integrations
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MMDadoda
5/8/2019 10:21:59 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 25.239 ug/l

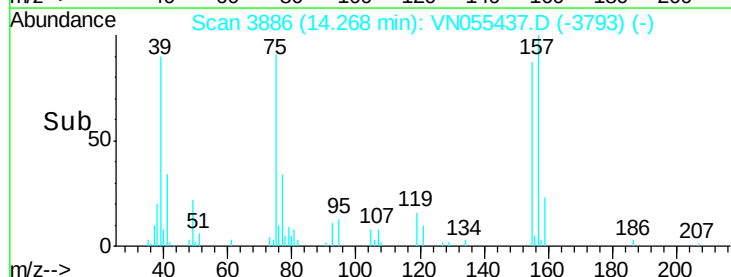
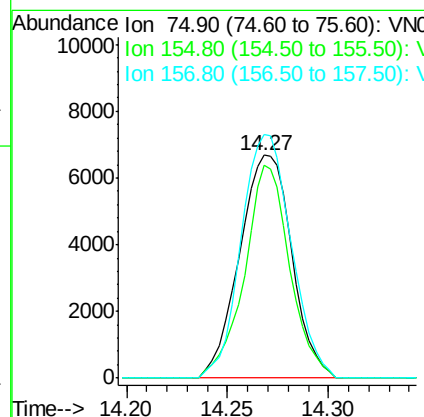
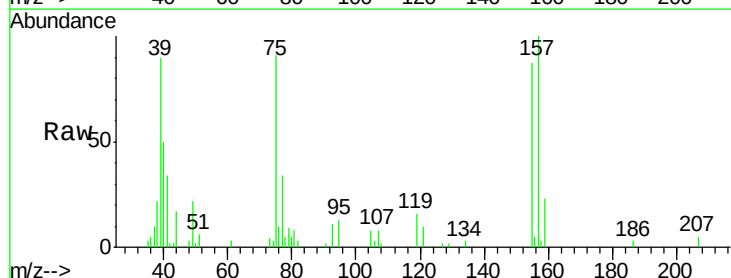
RT: 14.27 min Scan# 3886

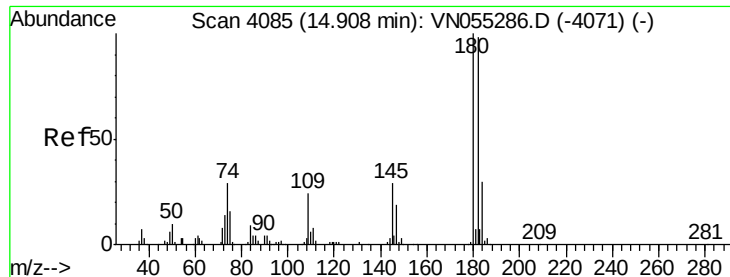
Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Tgt Ion:	75	Resp:	12126
Ion Ratio	Lower	Upper	
75	100		
155	82.3	41.5	124.6
157	104.5	54.0	162.2





#93

1,2,4-Trichlorobenzene

Concen: 18.377 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

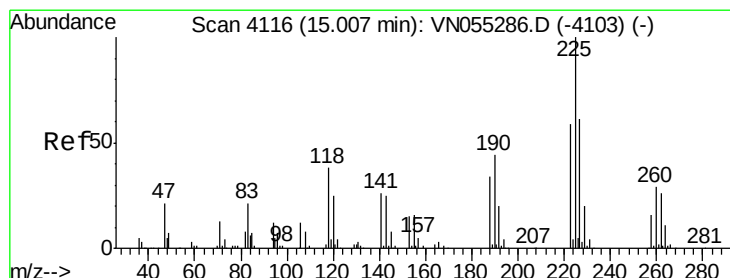
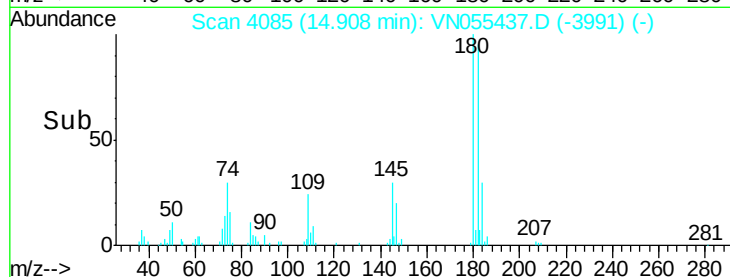
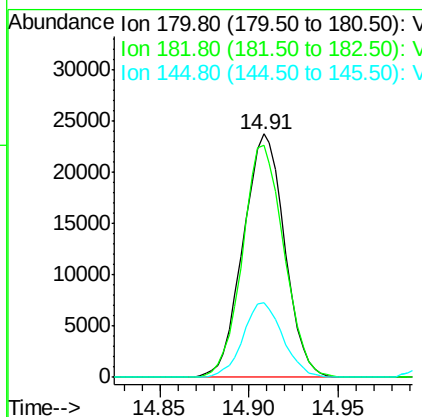
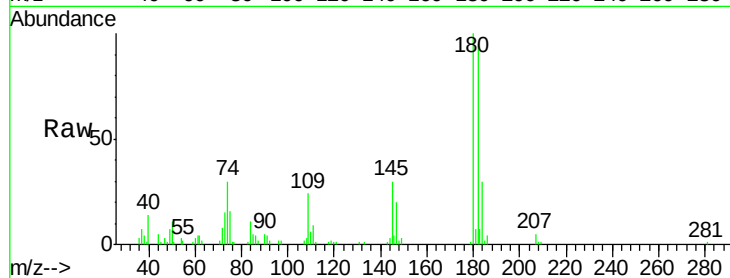
ClientSampleId :

VN0507MBS01

Tot Ion:	180	Resp:	38525
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.3	144.9
145	29.5	14.2	42.6

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:21:59 AM



#94

Hexachlorobutadiene

Concen: 23.706 ug/l

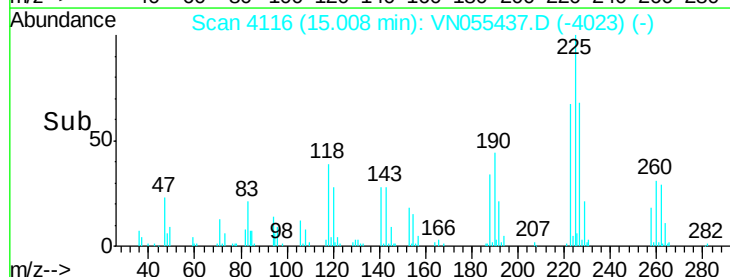
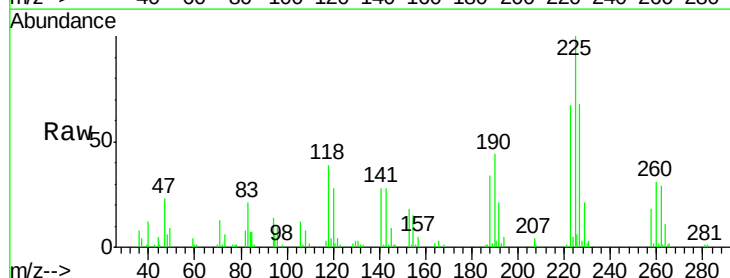
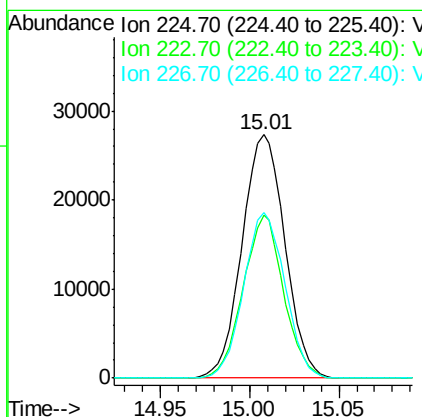
RT: 15.01 min Scan# 4116

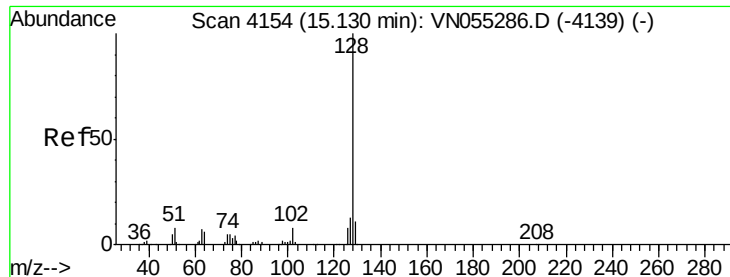
Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Tgt Ion:	225	Resp:	45887
Ion Ratio	Lower	Upper	
225	100		
223	63.5	30.3	90.8
227	65.5	30.9	92.7





#95

Naphthalene

Concen: 18.866 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Instrument :

MSVOA_N

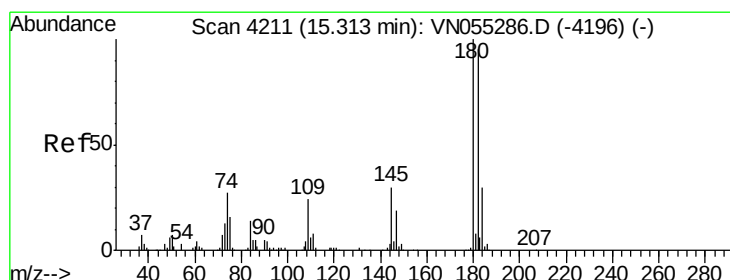
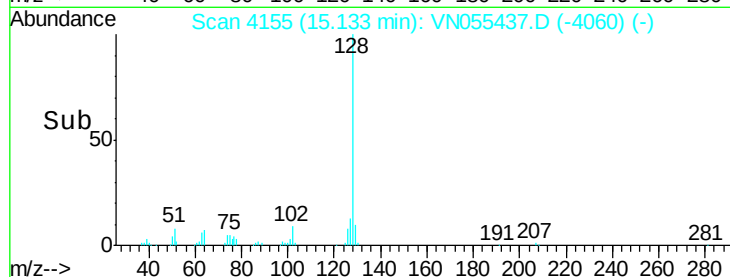
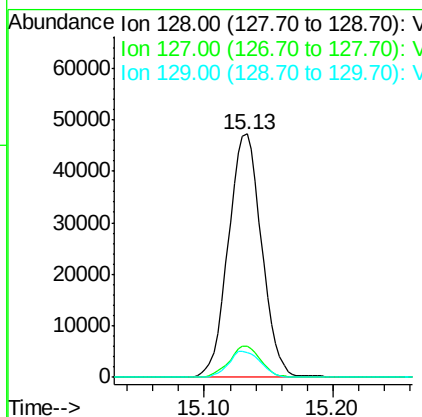
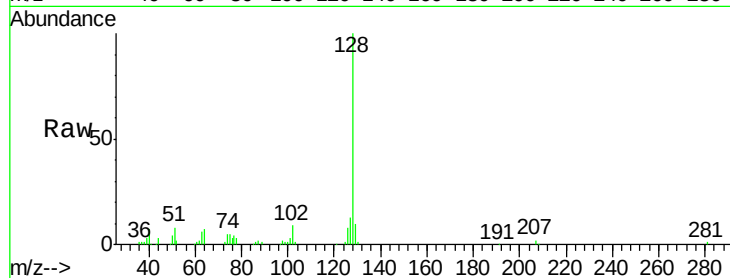
ClientSampled :

VN0507MBS01

Tot Ion:128	Resp:	84498
Ion Ratio	Lower	Upper
128	100	
127	12.0	10.7 16.1
129	10.5	8.6 13.0

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:21:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.898 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055437.D

Acq: 7 May 2019 15:04

Tgt Ion:180	Resp:	42888
Ion Ratio	Lower	Upper
180	100	
182	95.4	48.3 144.9
145	32.3	15.2 45.6

