

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055408.D
 Acq On : 6 May 2019 10:44
 Operator : JC/SP
 Sample : VN0506WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 1:22:27 PM

Quant Time: May 07 01:27:09 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	403919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	642907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	541243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203025	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	265613	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
35) Dibromofluoromethane	7.59	113	211558	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.09	98	758945	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.40	95	243241	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	93589	18.911	ug/l 100
3) Chloromethane	2.06	50	105240	17.174	ug/l 99
4) Vinyl Chloride	2.19	62	93727	18.974	ug/l 99
5) Bromomethane	2.57	94	51495	19.681	ug/l 98
6) Chloroethane	2.71	64	52432	19.594	ug/l 100
7) Trichlorofluoromethane	3.02	101	139462	19.855	ug/l 98
8) Diethyl Ether	3.41	74	48858	19.882	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	81012	19.368	ug/l 99
10) Methyl Iodide	3.96	142	108179	18.378	ug/l 97
11) Tert butyl alcohol	4.78	59	29010	95.890	ug/l 100
12) 1,1-Dichloroethene	3.74	96	77323	19.379	ug/l 98
13) Acrolein	3.62	56	14309	60.563	ug/l 99
14) Allyl chloride	4.33	41	161055	19.489	ug/l 100
15) Acrylonitrile	5.00	53	167523	98.513	ug/l 100
16) Acetone	3.82	43	159016	96.579	ug/l 97
17) Carbon Disulfide	4.06	76	178491	17.141	ug/l 99
18) Methyl Acetate	4.33	43	86863	21.057	ug/l 98
19) Methyl tert-butyl Ether	5.05	73	226519	20.194	ug/l 98
20) Methylene Chloride	4.55	84	90624	18.032	ug/l 96
21) trans-1,2-Dichloroethene	5.05	96	78929	18.678	ug/l 95
22) Diisopropyl ether	5.95	45	345341	21.033	ug/l 94
23) Vinyl Acetate	5.90	43	1064975	98.964	ug/l 100
24) 1,1-Dichloroethane	5.85	63	175827	20.098	ug/l 99
25) 2-Butanone	6.84	43	211454	100.423	ug/l 99
26) 2,2-Dichloropropane	6.83	77	122224	20.232	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	96864	20.157	ug/l 98
28) Bromochloromethane	7.20	49	88914	20.163	ug/l 98
29) Tetrahydrofuran	7.22	42	136458	101.208	ug/l 96
30) Chloroform	7.37	83	168554	20.325	ug/l 99
31) Cyclohexane	7.66	56	158184	19.031	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	132072	19.623	ug/l 98
36) 1,1-Dichloropropene	7.79	75	115742	18.795	ug/l 99
37) Ethyl Acetate	6.93	43	85249	18.063	ug/l 98
38) Carbon Tetrachloride	7.78	117	112182	18.885	ug/l 98

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 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)
39) Methylcyclohexane	9.08	83	125662	19.193	ug/l	98
40) Benzene	8.04	78	363147	20.004	ug/l	99
41) Methacrylonitrile	7.18	41	55413	22.113	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	124372	19.344	ug/l	99
43) Isopropyl Acetate	8.17	43	150602	19.856	ug/l #	89
44) Trichloroethene	8.84	130	89302	19.297	ug/l	97
45) 1,2-Dichloropropane	9.12	63	102920	19.657	ug/l	97
46) Dibromomethane	9.21	93	55524	19.401	ug/l	99
47) Bromodichloromethane	9.40	83	123828	20.169	ug/l	100
48) Methyl methacrylate	9.20	41	70913	19.018	ug/l	99
49) 1,4-Dioxane	9.20	88	14089	365.526	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	425544	99.652	ug/l	98
52) Toluene	10.15	92	205545	19.734	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	106639	20.008	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	135275	20.357	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	77361	20.001	ug/l	97
56) Ethyl methacrylate	10.43	69	92239	19.375	ug/l	98
57) 1,3-Dichloropropane	10.71	76	137502	20.265	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	84840	66.977	ug/l	99
59) 2-Hexanone	10.75	43	267034	99.942	ug/l	97
60) Dibromochloromethane	10.90	129	79818	20.191	ug/l	99
61) 1,2-Dibromoethane	11.00	107	69266	19.375	ug/l	100
64) Tetrachloroethene	10.63	164	90022	20.339	ug/l	98
65) Chlorobenzene	11.43	112	207715	19.629	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	81326	19.627	ug/l	99
67) Ethyl Benzene	11.51	91	383934	20.092	ug/l	100
68) m/p-Xylenes	11.62	106	278087	40.770	ug/l	98
69) o-Xylene	11.95	106	135015	19.971	ug/l	97
70) Styrene	11.96	104	216031	20.812	ug/l	98
71) Bromoform	12.12	173	48005	20.879	ug/l #	99
73) Isopropylbenzene	12.25	105	370929	21.136	ug/l	100
74) N-amyl acetate	12.07	43	90400	17.350	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	88650	20.139	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	81340m	20.046	ug/l	
77) Bromobenzene	12.53	156	85260	20.722	ug/l	99
78) n-propylbenzene	12.59	91	399380	19.150	ug/l	100
79) 2-Chlorotoluene	12.67	91	252289	21.406	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	308473	19.381	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19531	18.231	ug/l	91
82) 4-Chlorotoluene	12.77	91	233447	19.252	ug/l	100
83) tert-Butylbenzene	12.99	119	262950	21.692	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	288923	20.297	ug/l	98
85) sec-Butylbenzene	13.17	105	336035	19.424	ug/l	99
86) p-Isopropyltoluene	13.29	119	282363	19.858	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	132961	19.571	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	126022	19.698	ug/l	99
89) n-Butylbenzene	13.61	91	197271	19.525	ug/l	99
90) Hexachloroethane	13.87	117	46901	19.883	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	133788	19.869	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11315	21.184	ug/l	98

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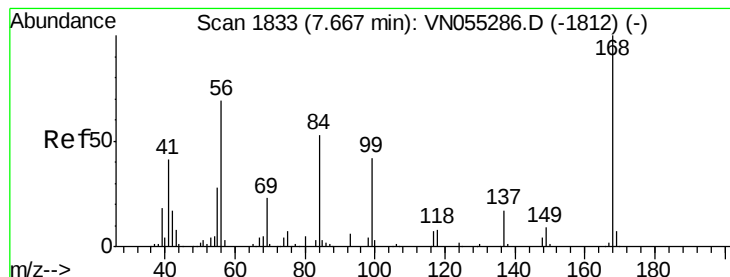
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	39448	17.187	ug/l	96
94) Hexachlorobutadiene	15.01	225	49869	23.107	ug/l	97
95) Naphthalene	15.13	128	78009	16.232	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	42493	18.018	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBS01

Tot Ion:168 Resp: 403919

Ion Ratio Lower Upper

168 100

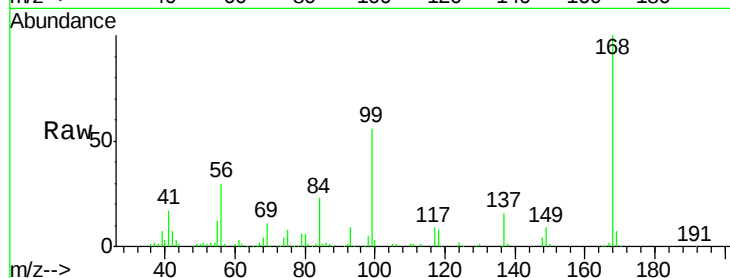
99 55.5 43.6 65.4

Manual Integrations

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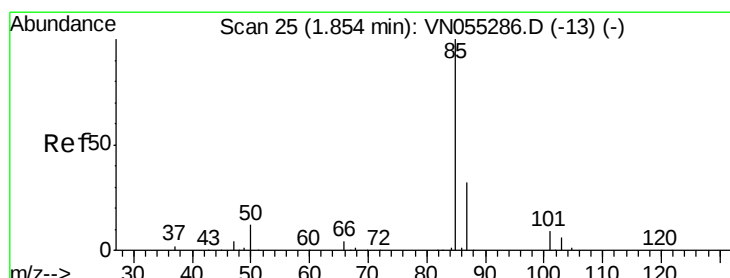
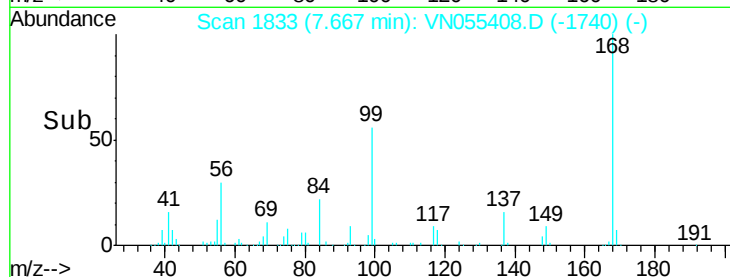
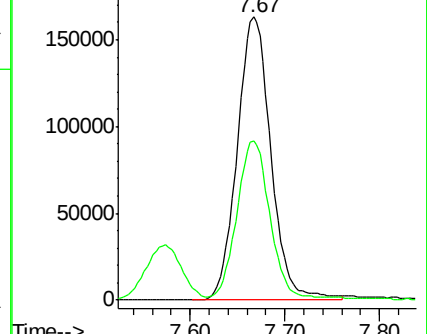
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.911 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055408.D

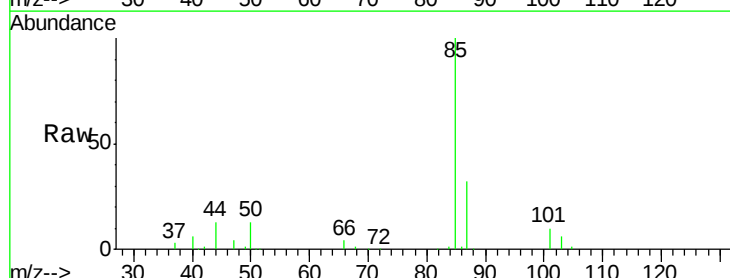
Acq: 6 May 2019 10:44

Tgt Ion: 85 Resp: 93589

Ion Ratio Lower Upper

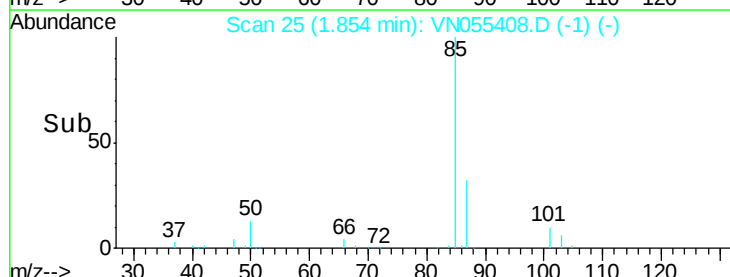
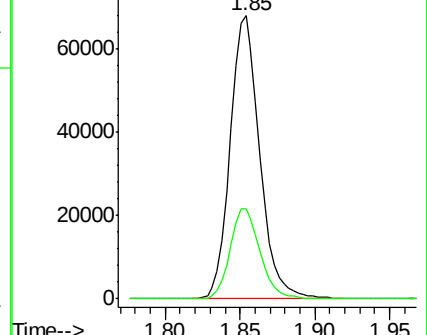
85 100

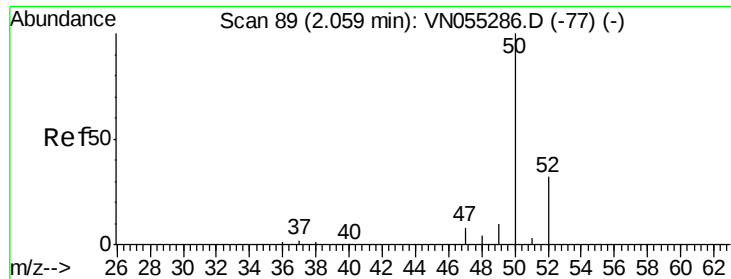
87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.174 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Tot Ion: 50 Resp: 105240

Ion Ratio Lower Upper

50 100

52 31.5 25.7 38.5

Instrument :

MSVOA_N

ClientSampleId :

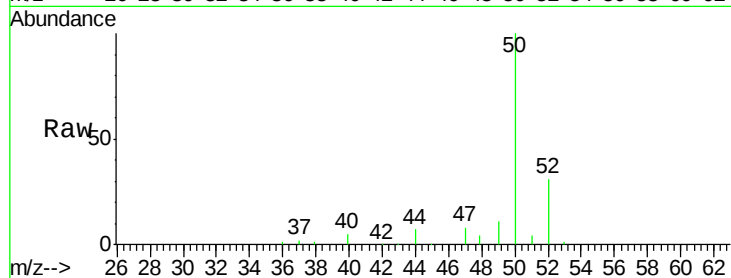
VN0506WBS01

Manual Integrations

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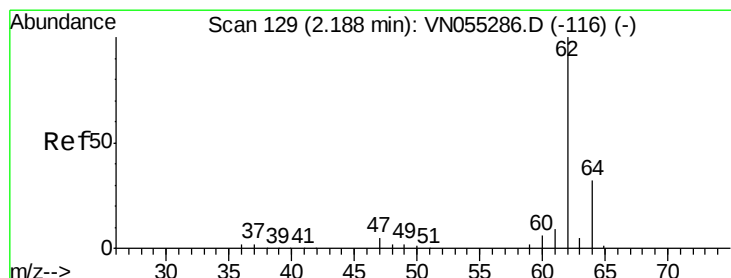
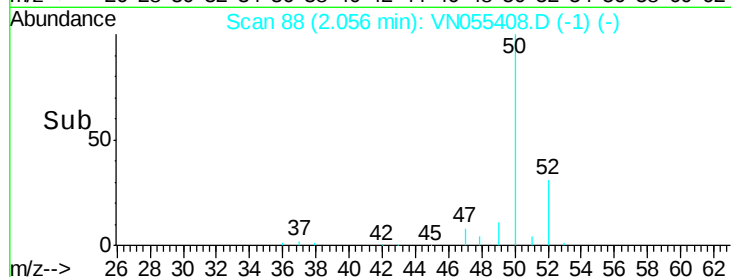
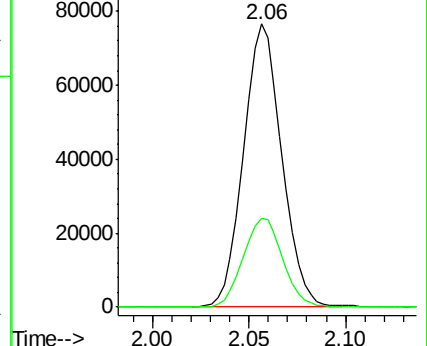
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.974 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055408.D

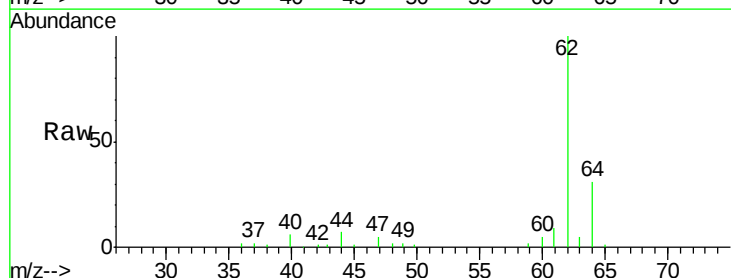
Acq: 6 May 2019 10:44

Tgt Ion: 62 Resp: 93727

Ion Ratio Lower Upper

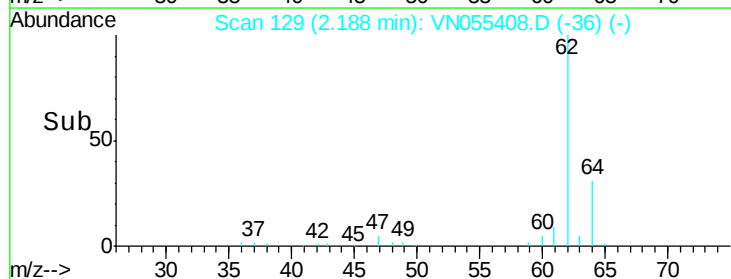
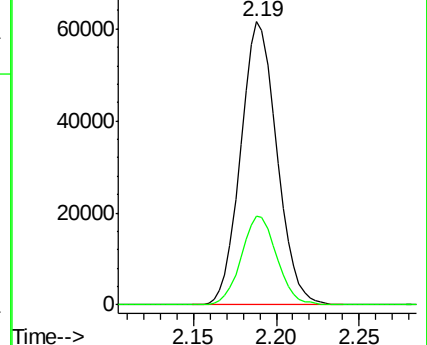
62 100

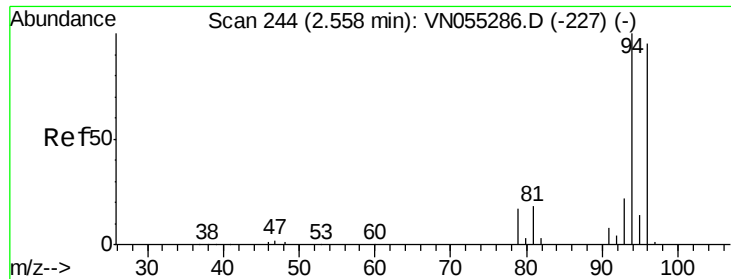
64 31.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.681 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBS01

Tot Ion: 94 Resp: 51495

Ion Ratio Lower Upper

94 100

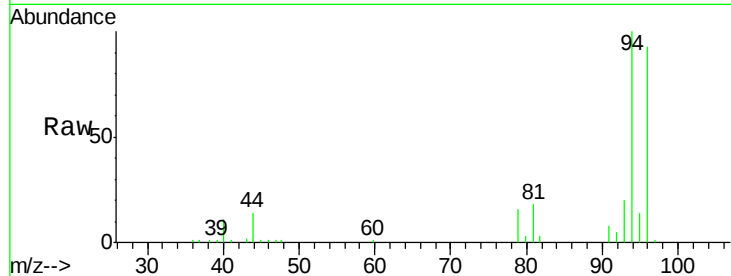
96 92.9 76.0 114.0

Manual Integrations

APPROVED

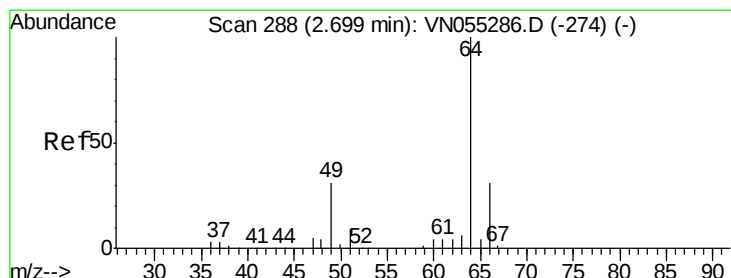
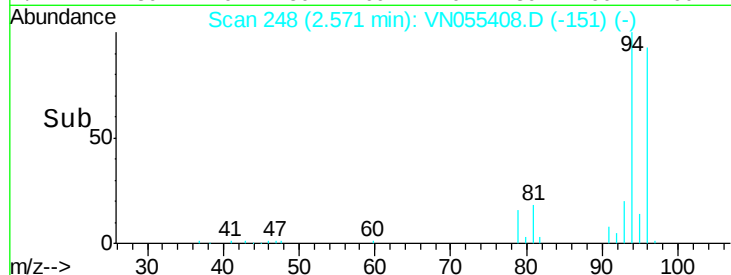
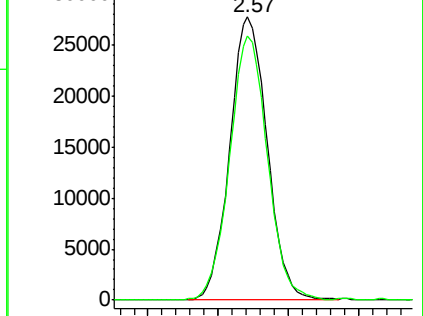
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.594 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN055408.D

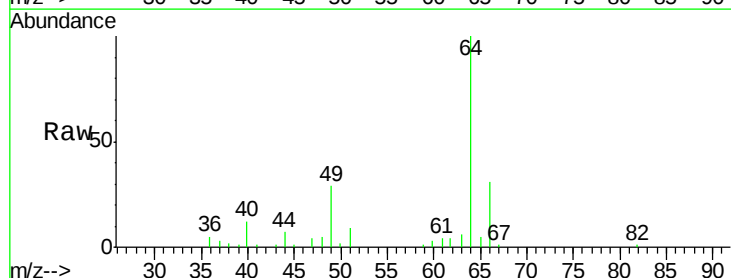
Acq: 6 May 2019 10:44

Tgt Ion: 64 Resp: 52432

Ion Ratio Lower Upper

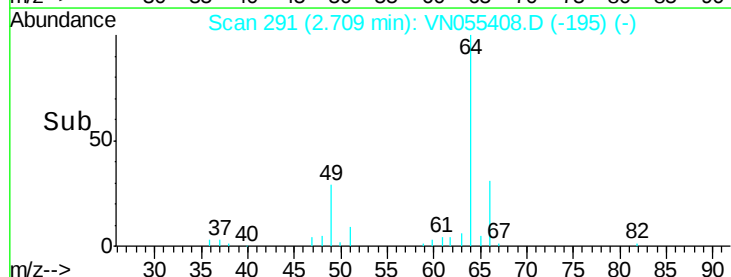
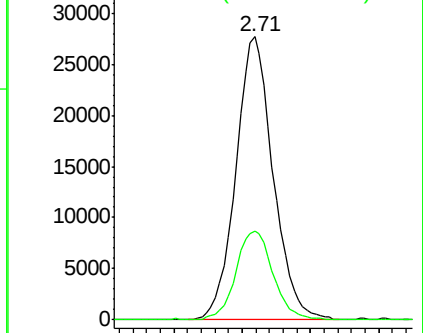
64 100

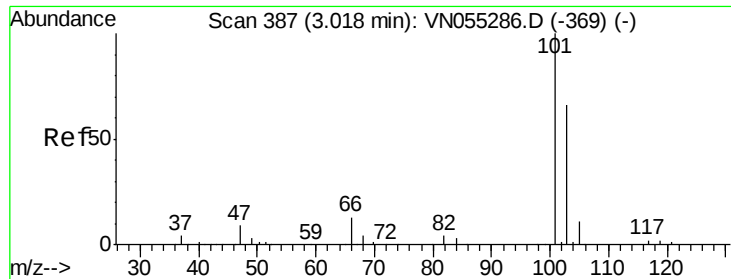
66 31.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

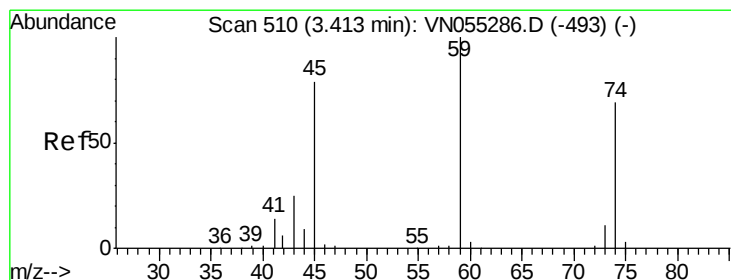
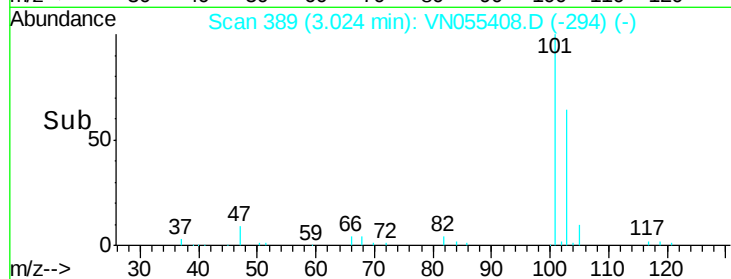
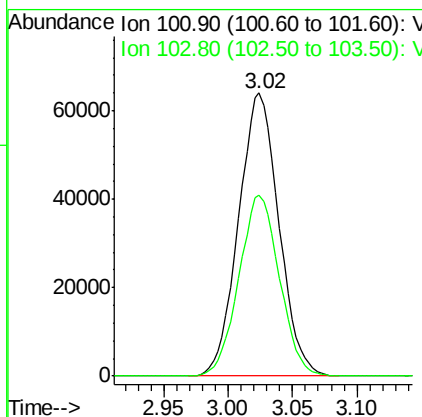
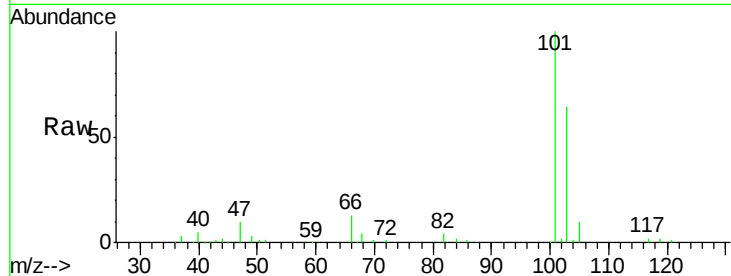
Trichlorofluoromethane
 Concen: 19.855 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Instrument :
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Tot Ion:101 Resp: 139462
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.6 79.0

Manual Integrations
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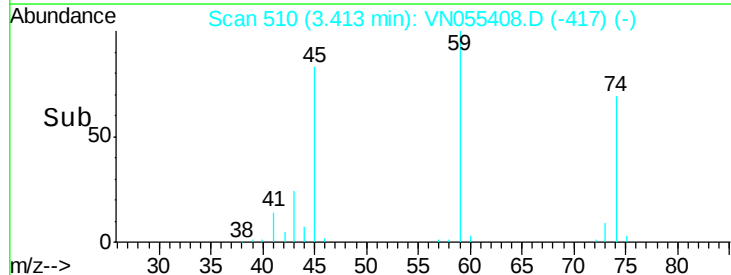
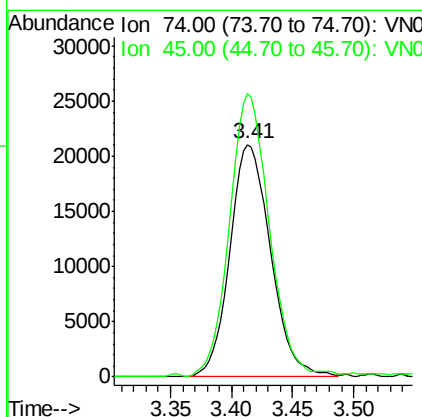
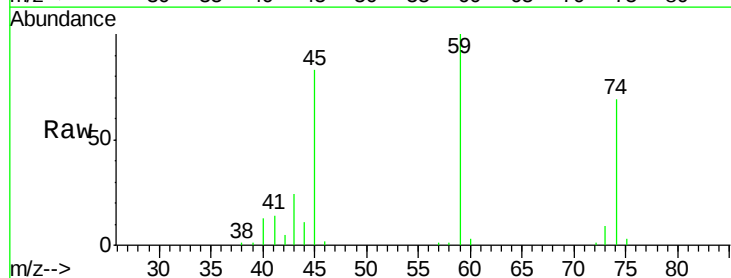
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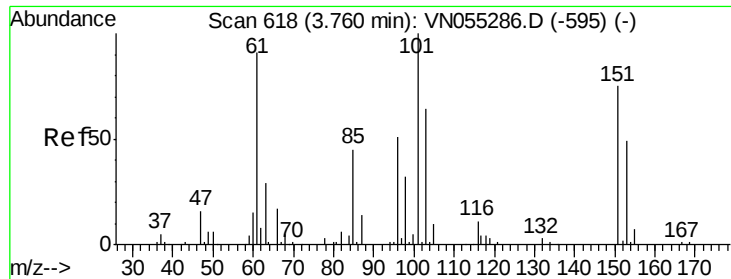


#8

Diethyl Ether
 Concen: 19.882 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Tgt Ion: 74 Resp: 48858
 Ion Ratio Lower Upper
 74 100
 45 118.6 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.368 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

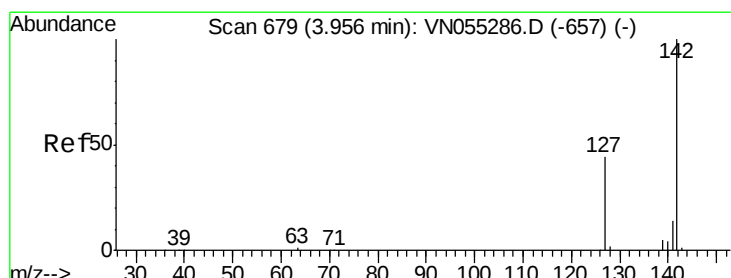
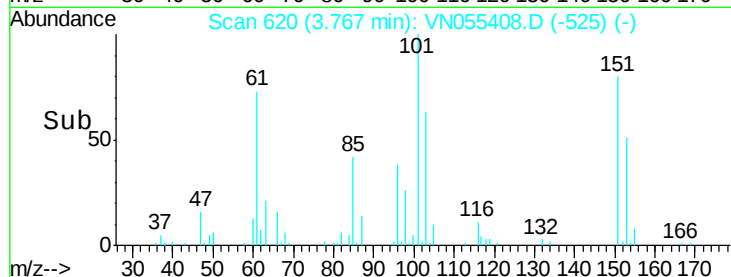
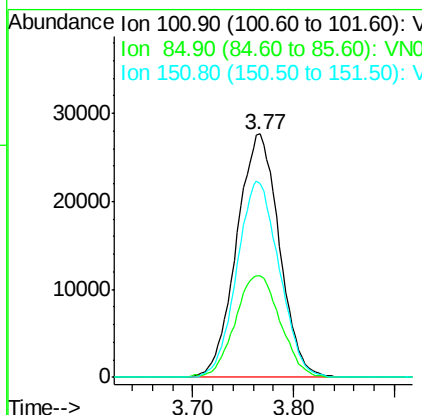
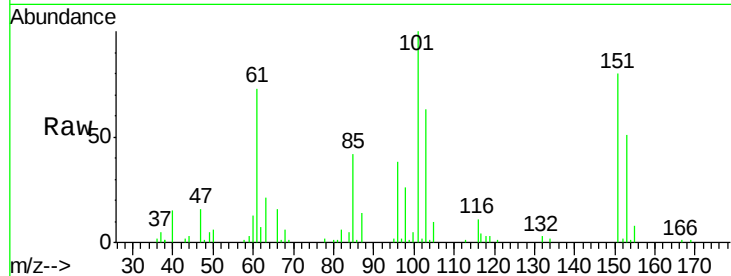
ClientSampleId :

VN0506WBS01

Tot Ion:	101	Resp:	81012
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.7	53.5
151	80.1	63.3	94.9

Manual Integrations
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#10

Methyl Iodide

Concen: 18.378 ug/l

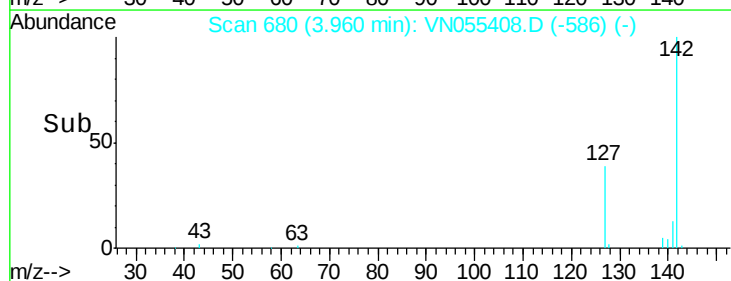
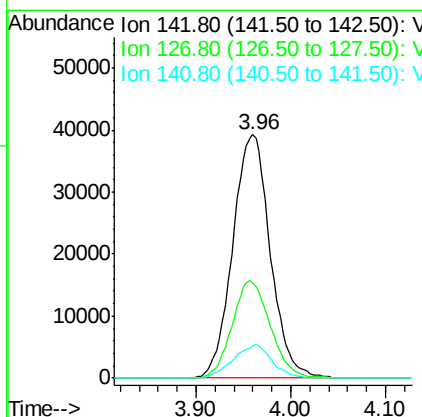
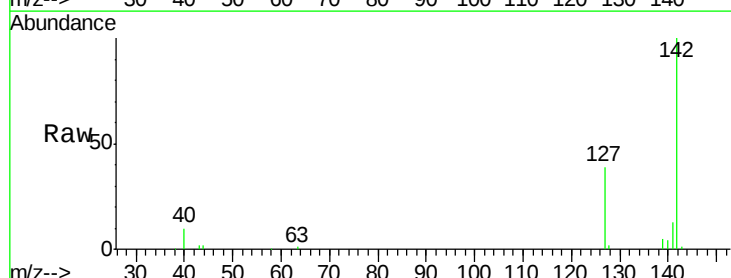
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Tgt Ion:	142	Resp:	108179
Ion Ratio	Lower	Upper	
142	100		
127	40.5	34.4	51.6
141	14.1	11.5	17.3





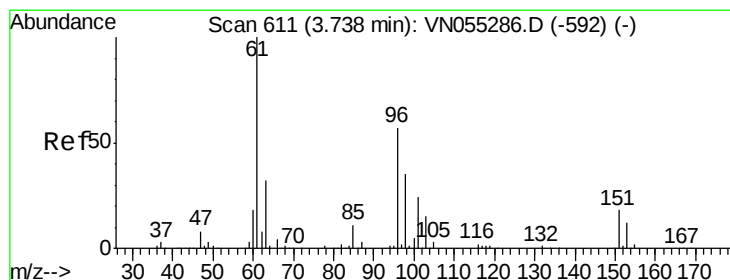
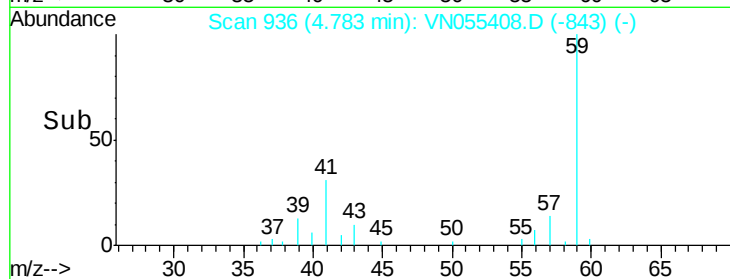
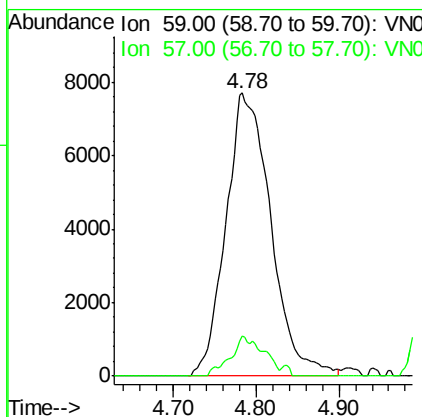
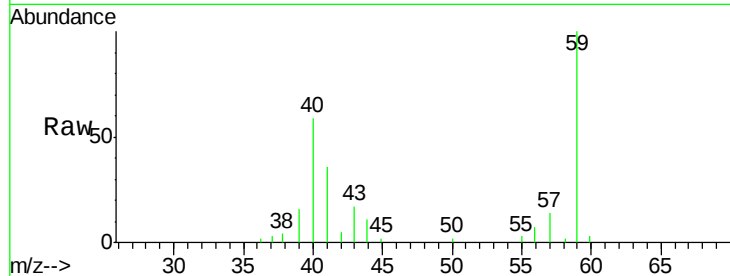
#11
Tert butyl alcohol
Concen: 95.890 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	59	57	Ratio	100	10.4	Resp	29010	Lower	Upper
59	100								
57		10.4						8.2	12.2

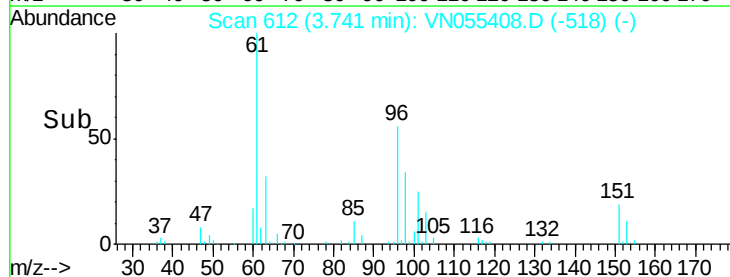
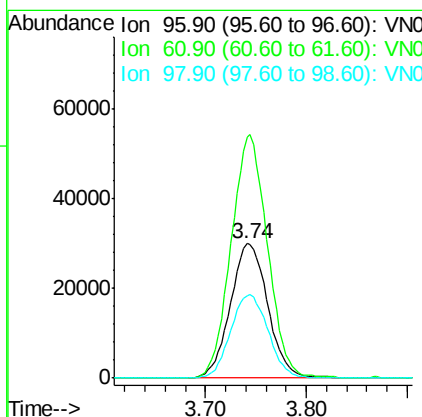
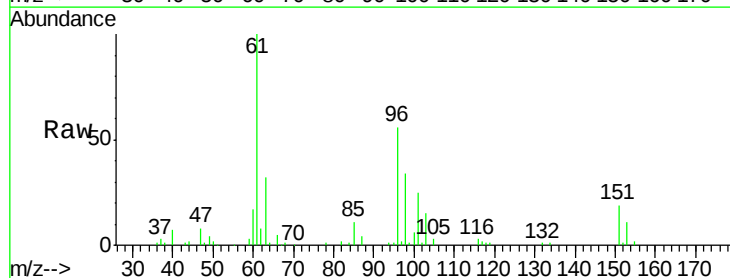
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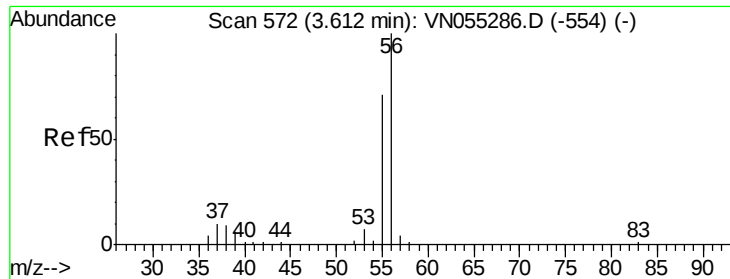
MMDadoda
5/7/2019 1:22:27 PM



#12
1,1-Dichloroethene
Concen: 19.379 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion	96	61	98	Ratio	100	179.0	61.4	Resp	77323	Lower	Upper
96	100										
61		179.0								140.9	211.3
98		61.4								50.0	75.0





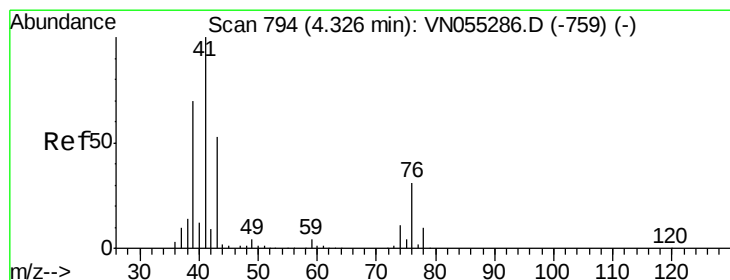
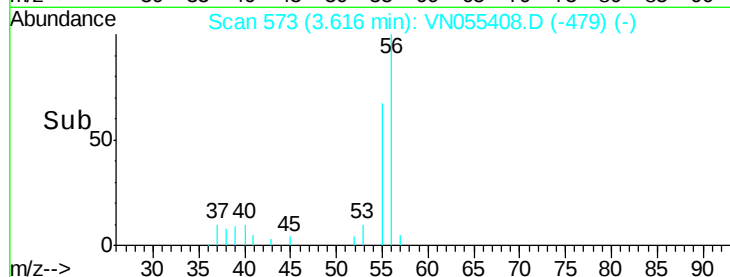
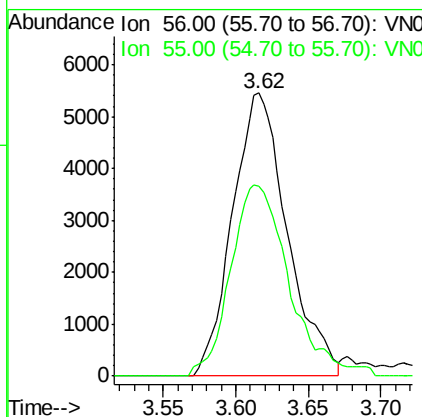
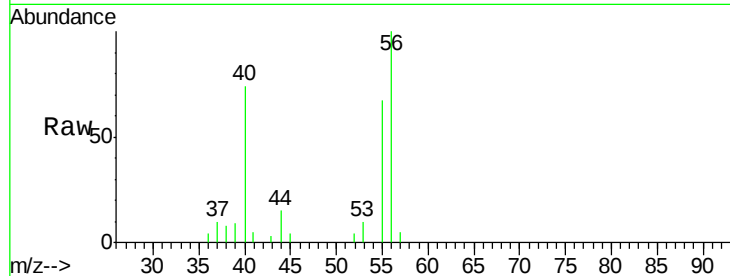
#13
 Acrolein
 Concen: 60.563 ug/l
 RT: 3.62 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Tot Ion: 56 Resp: 14309
 Ion Ratio Lower Upper
 56 100
 55 72.3 57.4 86.2

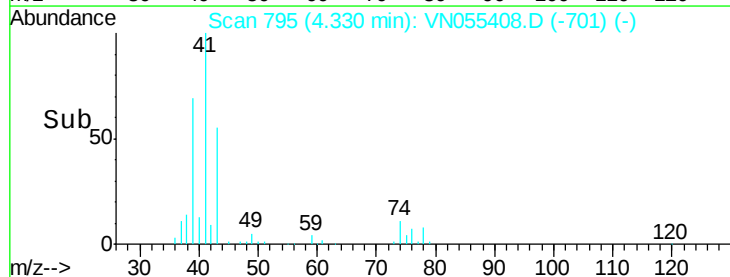
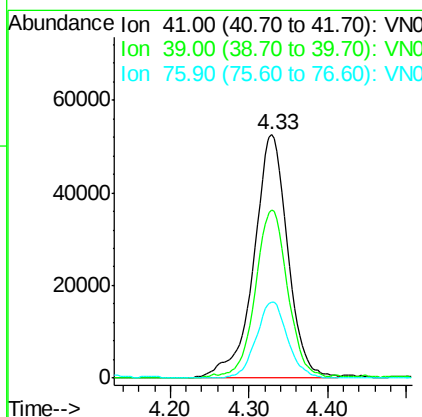
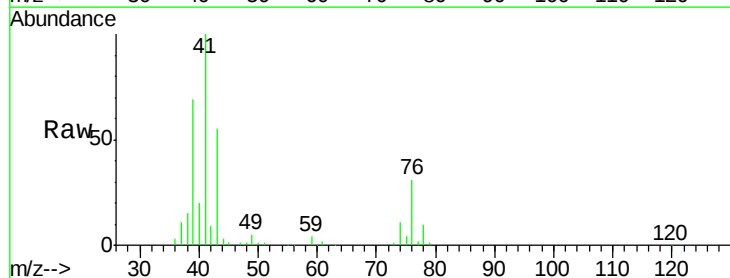
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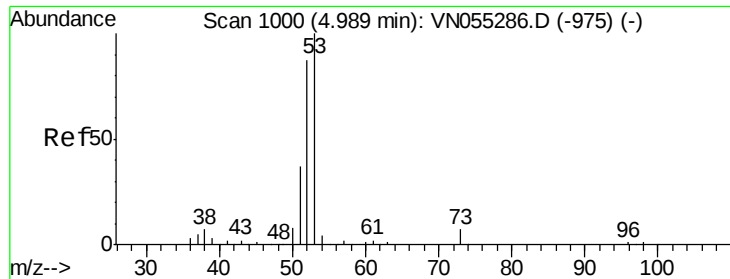
MMDadoda
 5/7/2019 1:22:27 PM



#14
 Allyl chloride
 Concen: 19.489 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Tgt Ion: 41 Resp: 161055
 Ion Ratio Lower Upper
 41 100
 39 66.3 53.0 79.6
 76 28.9 22.7 34.1





#15

Acrylonitrile

Concen: 98.513 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

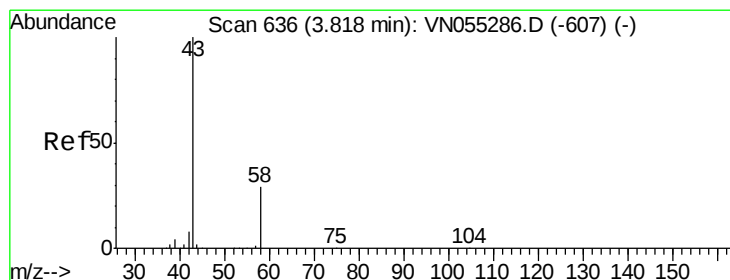
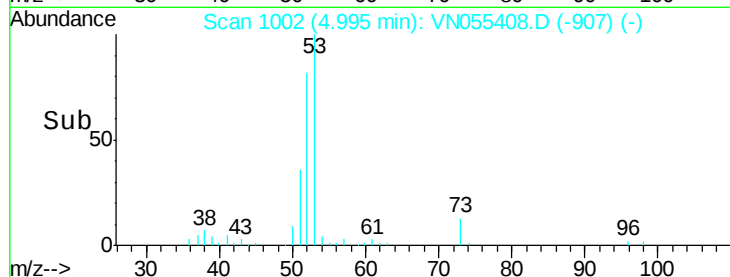
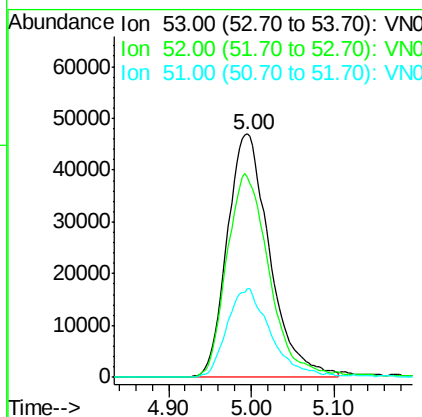
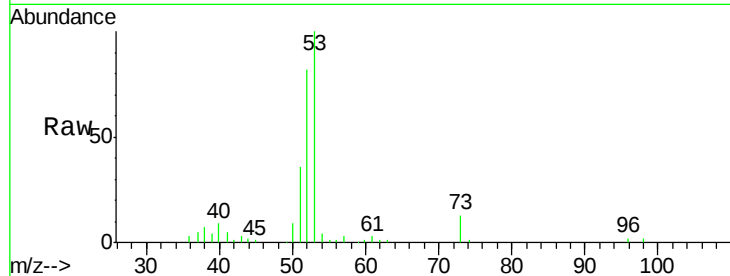
ClientSampleId :

VN0506WBS01

Tot Ion:	53	Resp:	167523
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.5	99.7
51	37.1	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 96.579 ug/l

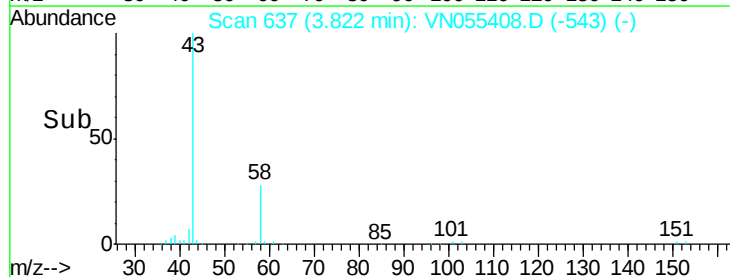
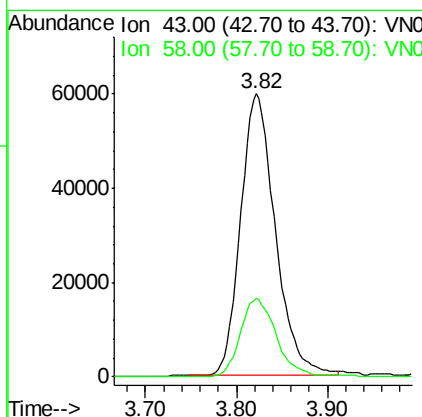
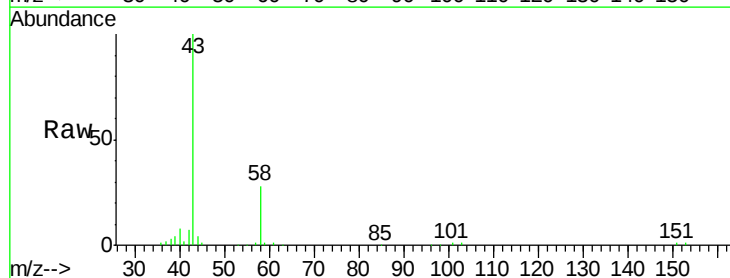
RT: 3.82 min Scan# 637

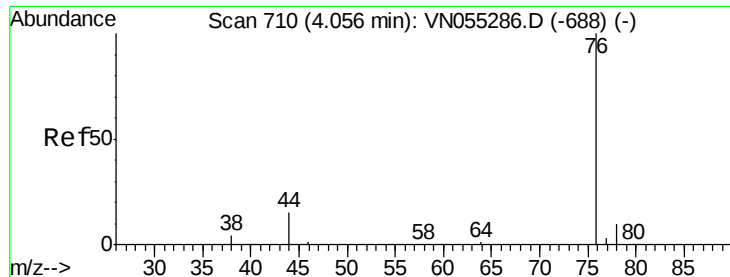
Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Tgt Ion:	43	Resp:	159016
Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.6	35.4





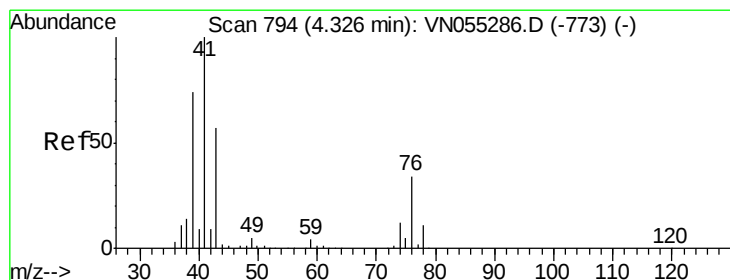
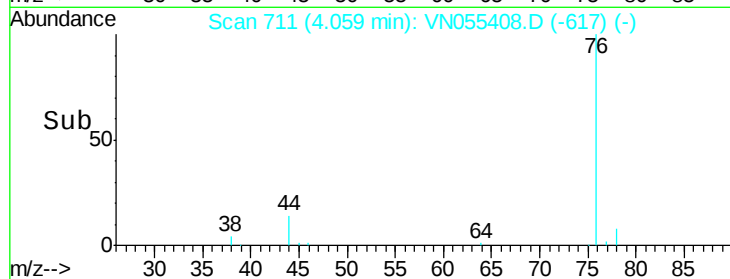
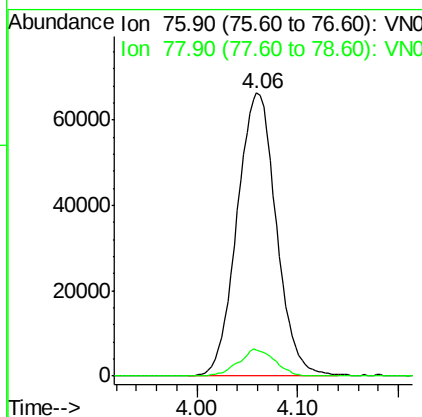
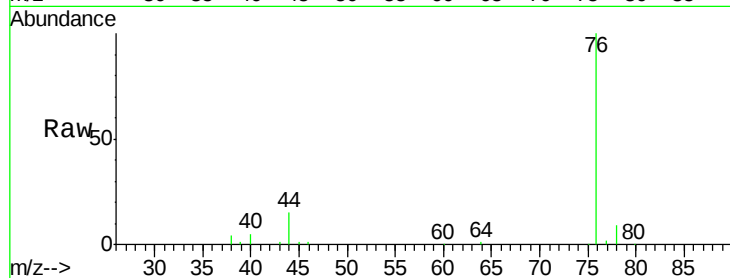
#17
Carbon Disulfide
Concen: 17.141 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion: 76 Resp: 178491
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4

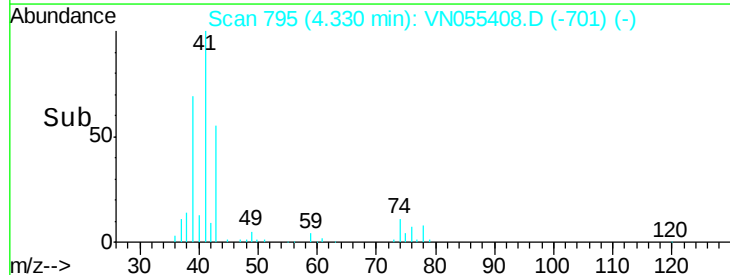
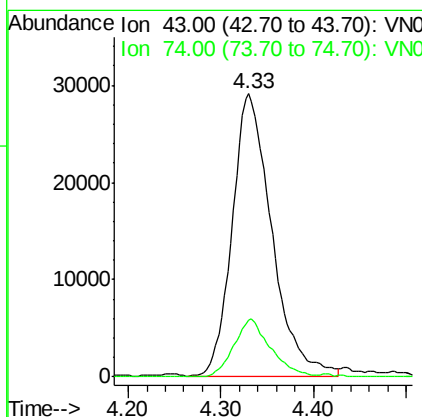
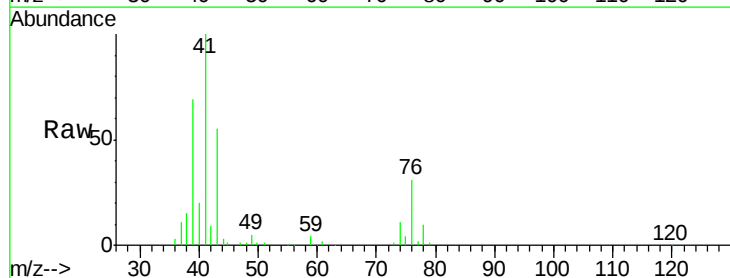
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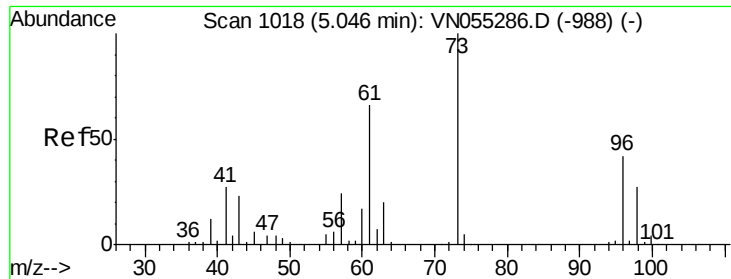
MMDadoda
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#18
Methyl Acetate
Concen: 21.057 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion: 43 Resp: 86863
Ion Ratio Lower Upper
43 100
74 18.8 15.8 23.8





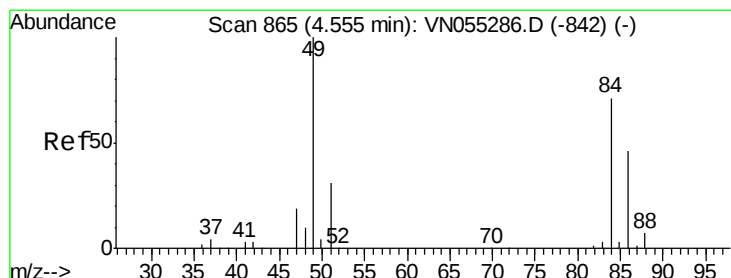
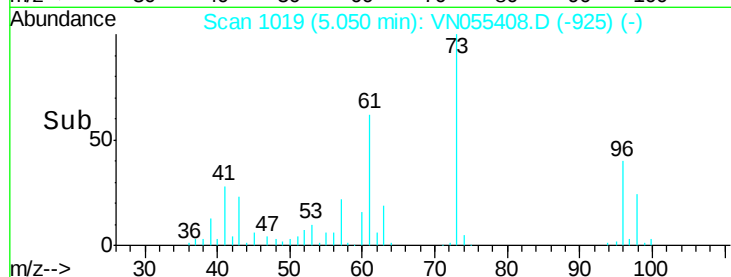
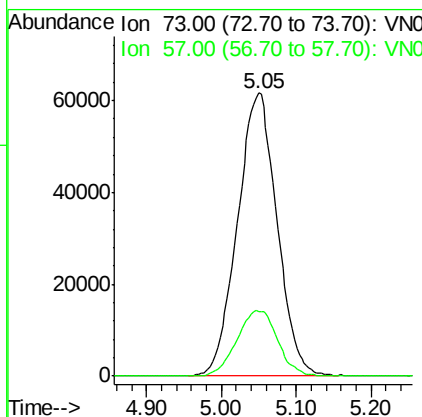
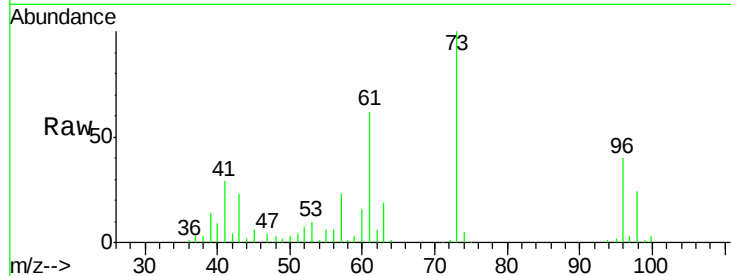
#19
Methvl tert-butvl Ether
Concen: 20.194 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion: 73 Resp: 226519
Ion Ratio Lower Upper
73 100
57 22.9 19.1 28.7

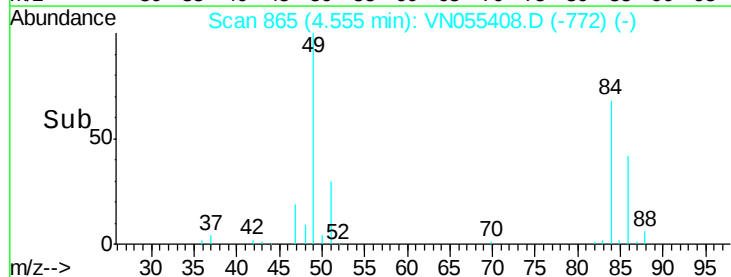
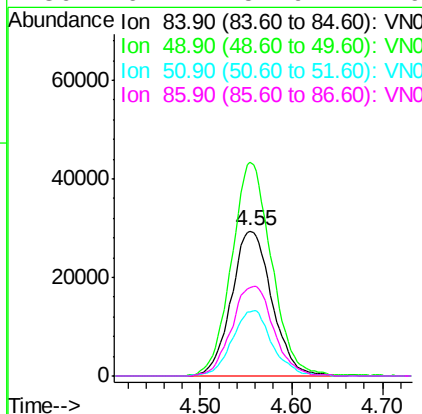
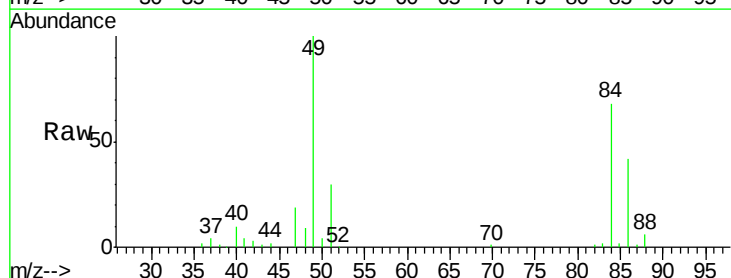
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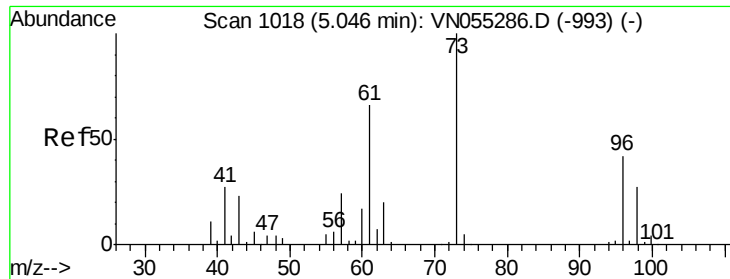
MMDadoda
5/7/2019 1:22:27 PM



#20
Methylene Chloride
Concen: 18.032 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion: 84 Resp: 90624
Ion Ratio Lower Upper
84 100
49 146.9 112.4 168.6
51 44.5 34.6 51.8
86 61.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 18.678 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBS01

Tot Ion: 96 Resp: 78929

Ion Ratio Lower Upper

96 100

61 152.4 126.2 189.4

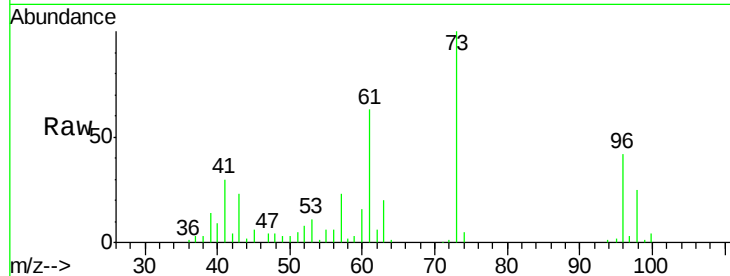
98 59.8 52.2 78.2

Manual Integrations

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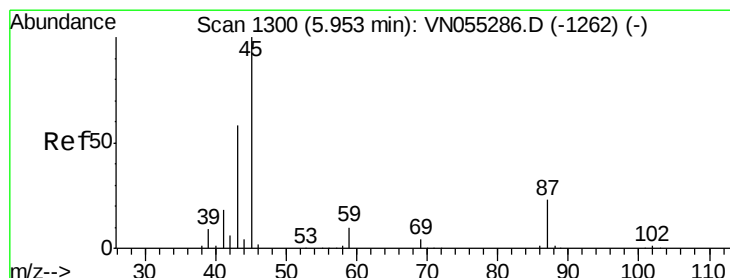
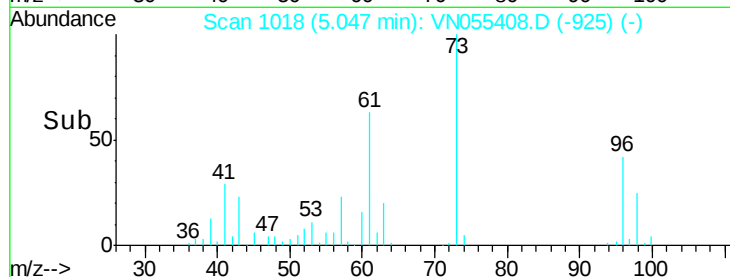
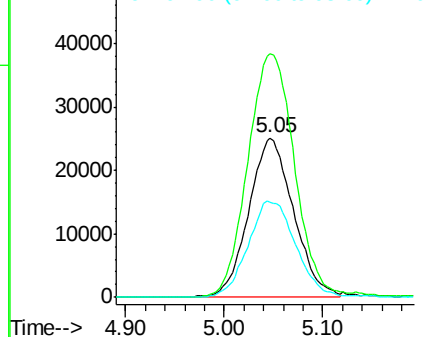


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 21.033 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Tgt Ion: 45 Resp: 345341

Ion Ratio Lower Upper

45 100

43 64.0 46.6 70.0

87 21.5 18.1 27.1

59 10.6 8.2 12.2

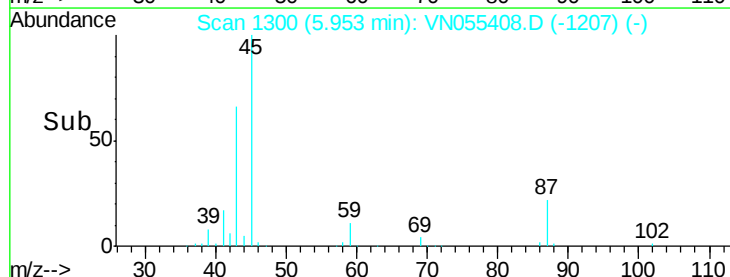
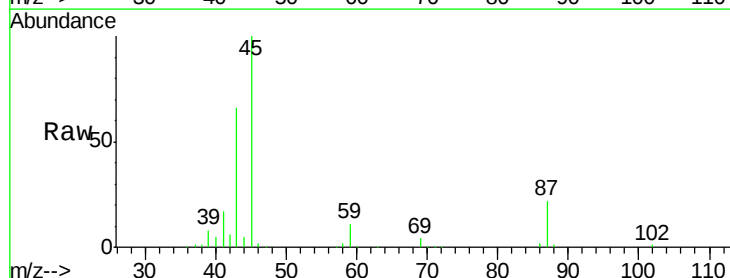
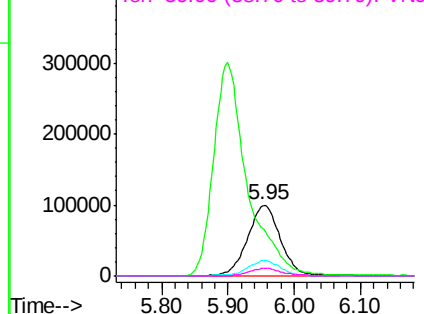
Abundance

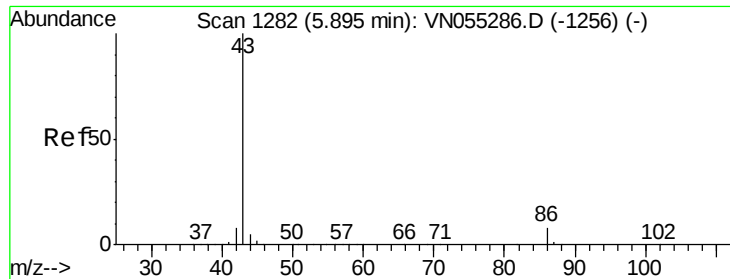
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 98.964 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBS01

Tot Ion: 43 Resp: 1064975

Ion Ratio Lower Upper

43 100

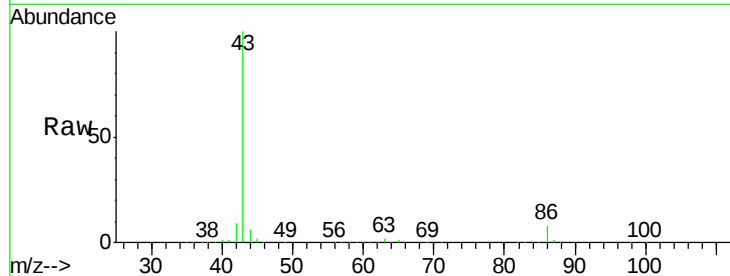
86 8.2 6.6 10.0

Manual Integrations

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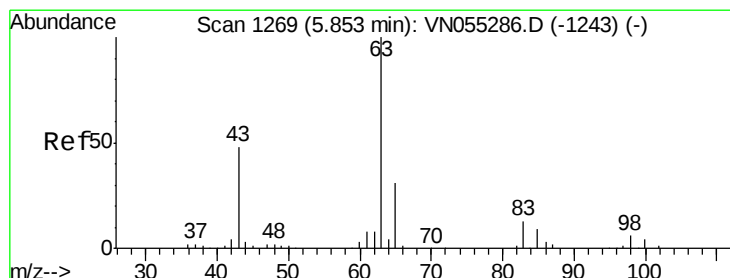
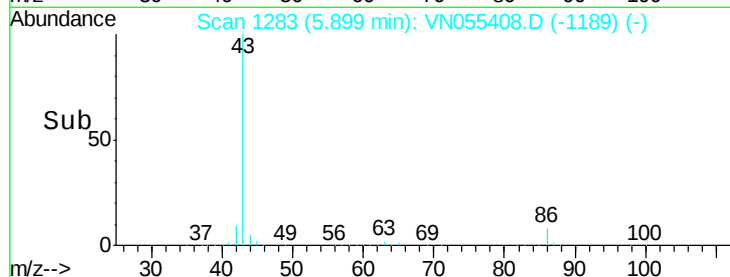
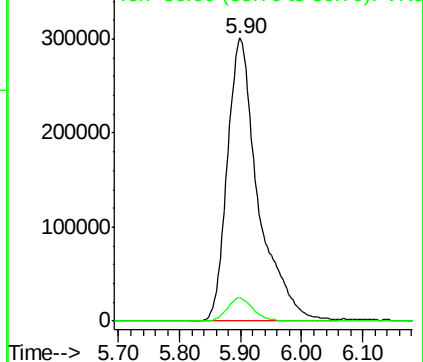
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.098 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

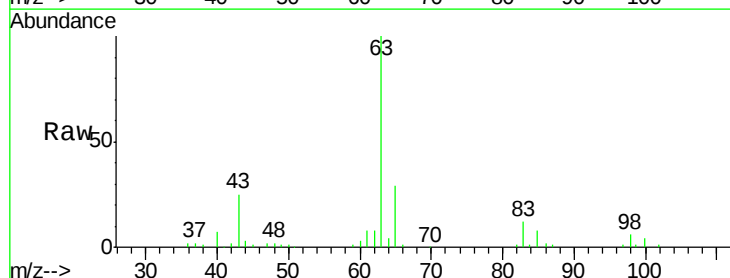
Tgt Ion: 63 Resp: 175827

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.0

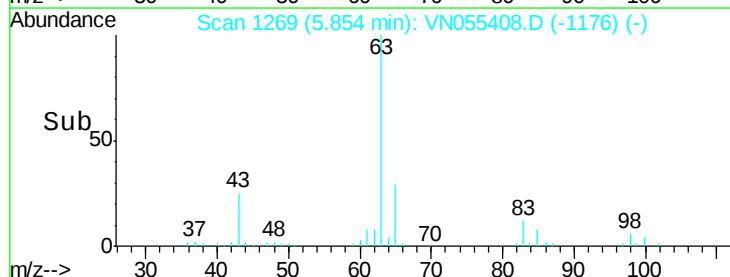
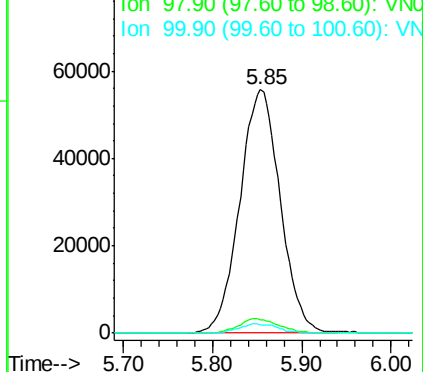
100 3.5 1.8 5.4

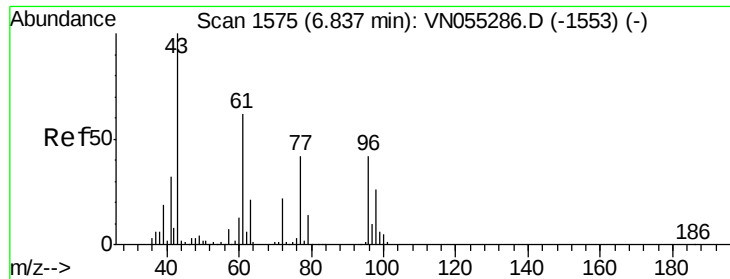


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 100.423 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBS01

Tot Ion: 43 Resp: 211454

Ion Ratio Lower Upper

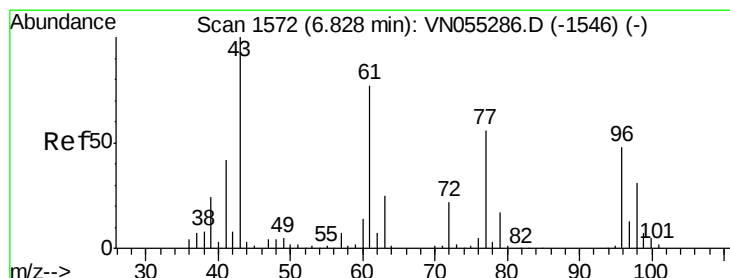
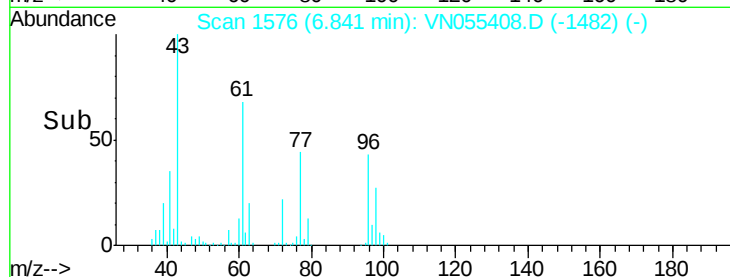
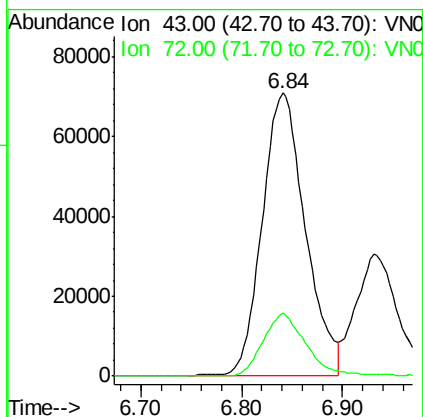
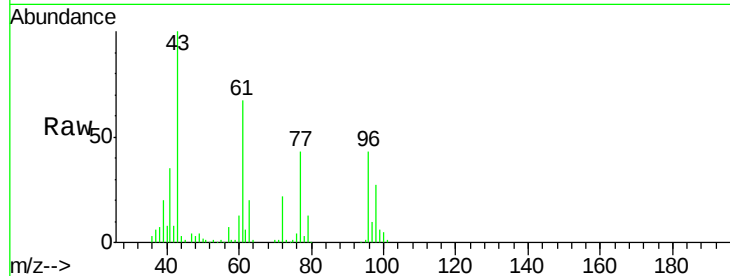
43 100

72 22.1 18.0 27.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 20.232 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055408.D

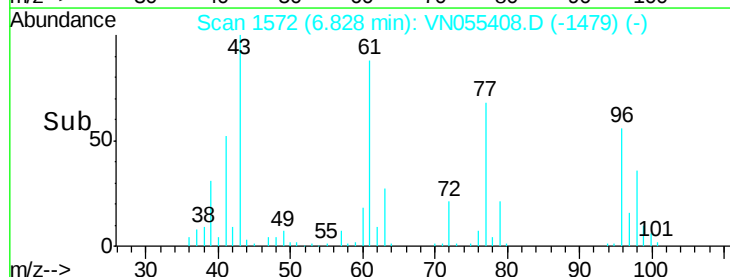
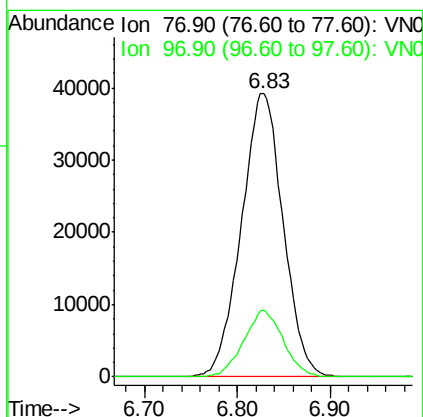
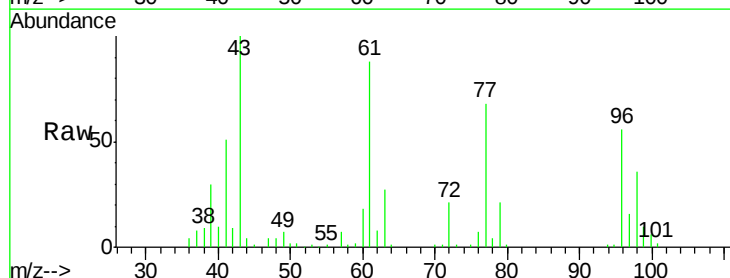
Acq: 6 May 2019 10:44

Tgt Ion: 77 Resp: 122224

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2





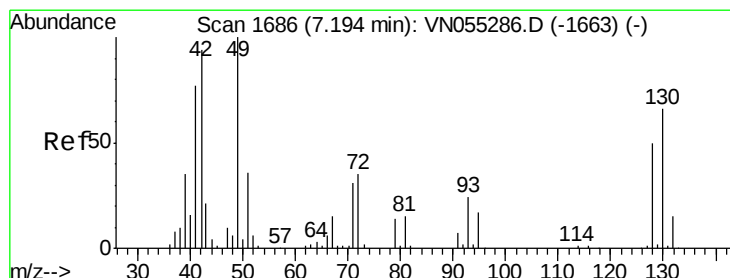
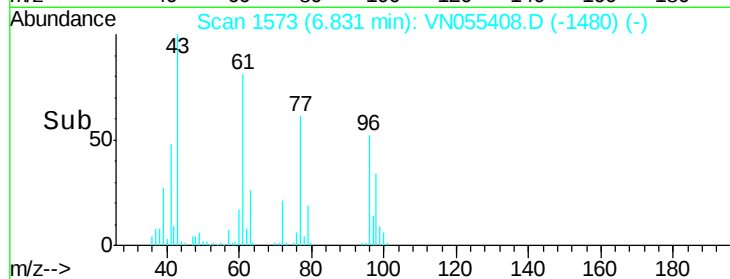
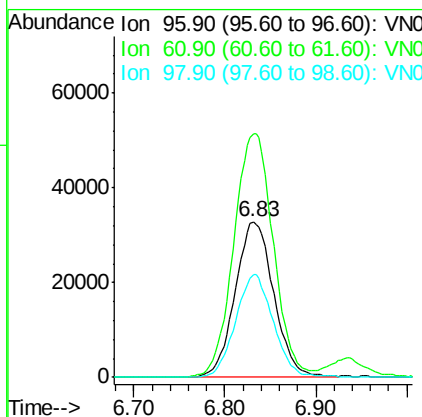
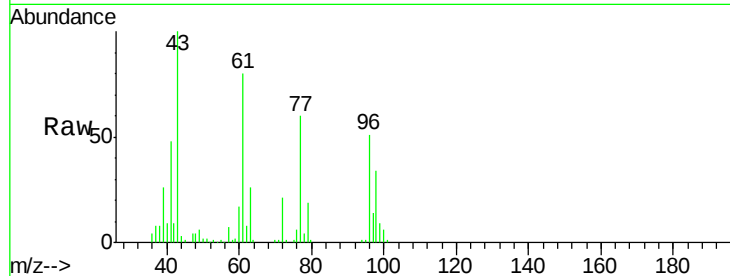
#27
 cis-1,2-Dichloroethene
 Concen: 20.157 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	160.3	0.0	316.2	
98	64.5	0.0	126.6	

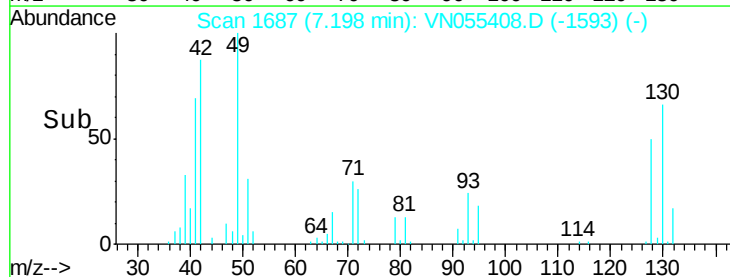
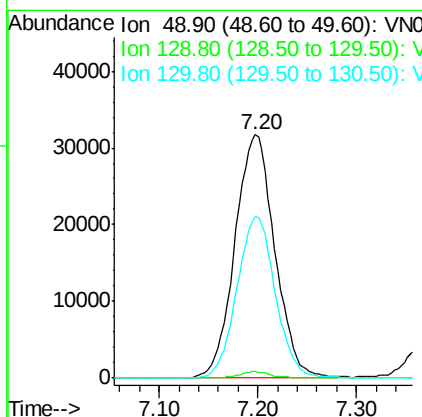
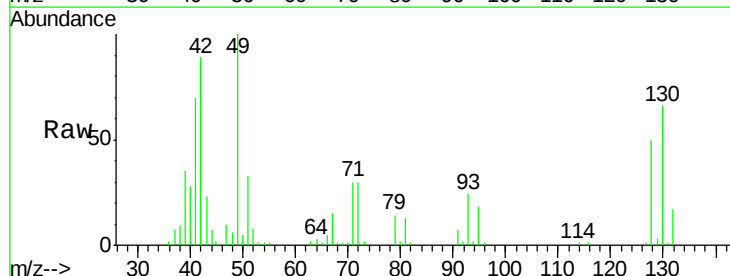
Manual Integrations
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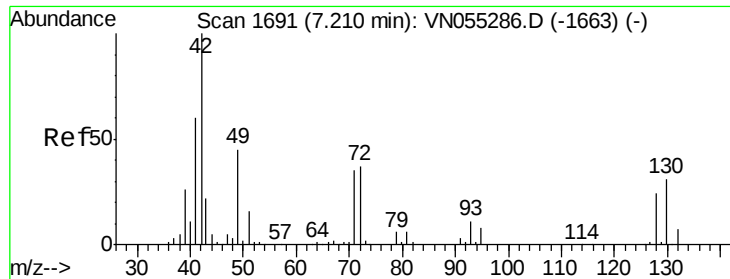
MMDadoda
 5/7/2019 1:22:27 PM



#28
 Bromochloromethane
 Concen: 20.163 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	2.4	
130	63.7	52.0	78.0	





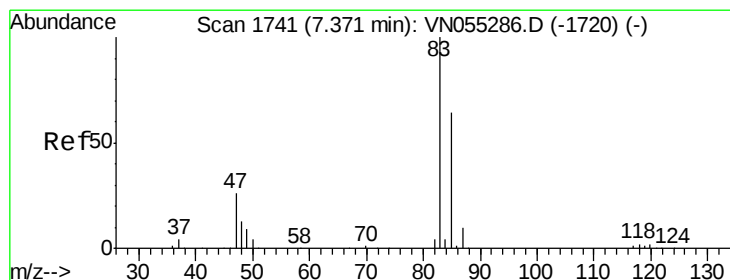
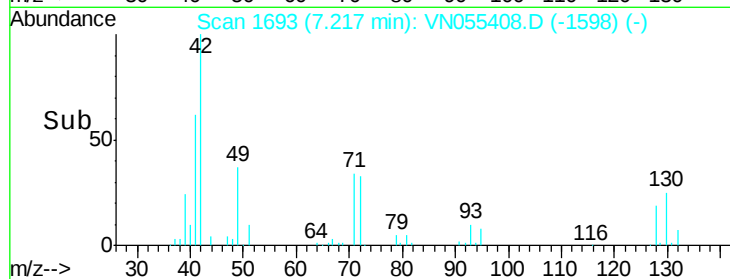
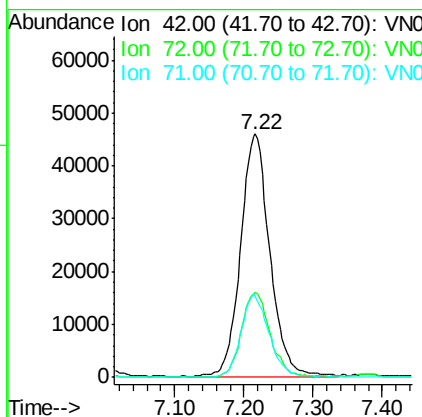
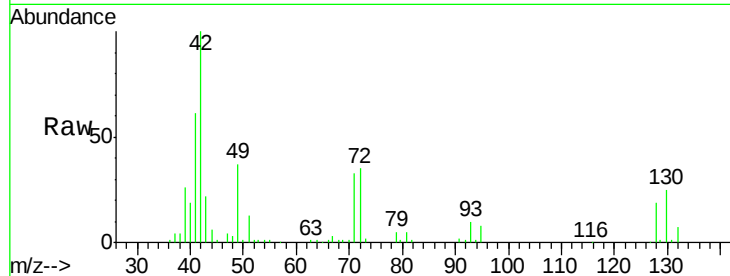
#29
Tetrahydrofuran
Concen: 101.208 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	29.0	43.6
71	32.2	27.1	40.7

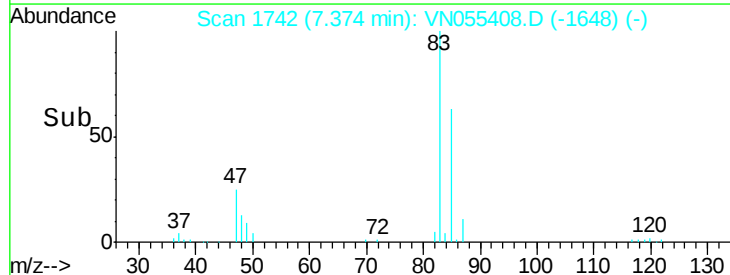
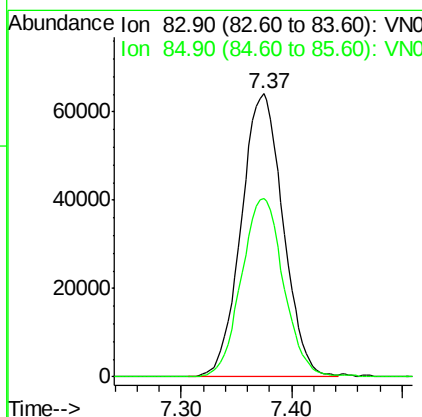
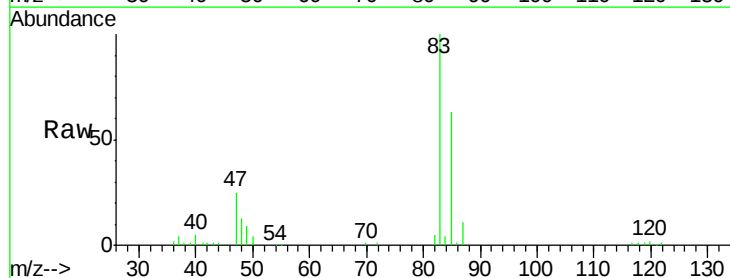
Manual Integrations
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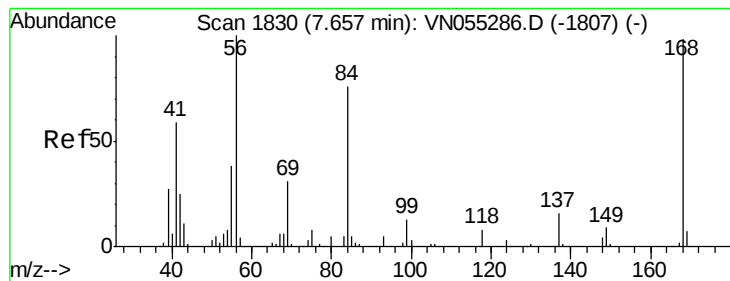
MMDadoda
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#30
Chloroform
Concen: 20.325 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.4	77.2





#31

Cyclohexane

Concen: 19.031 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

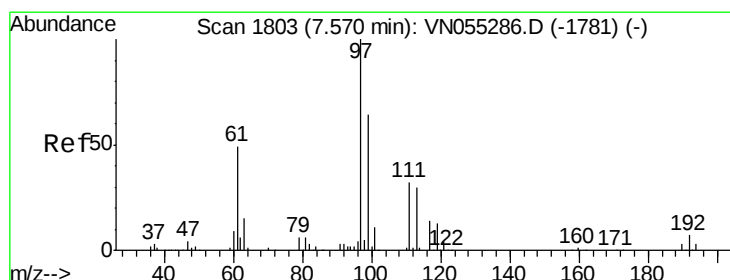
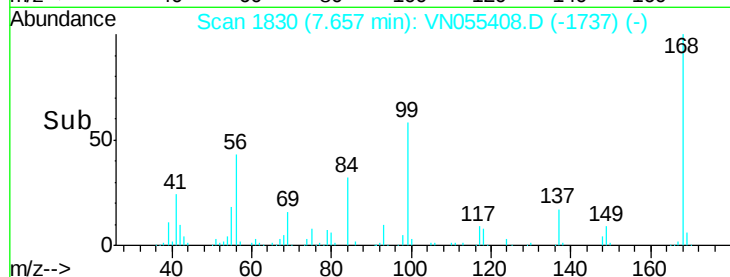
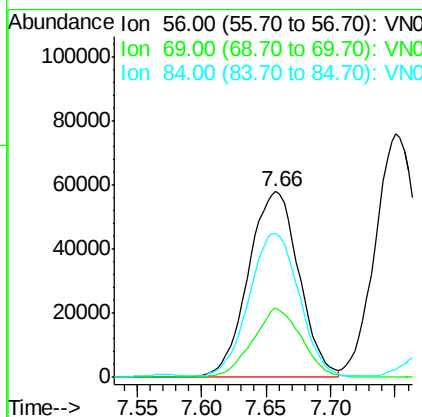
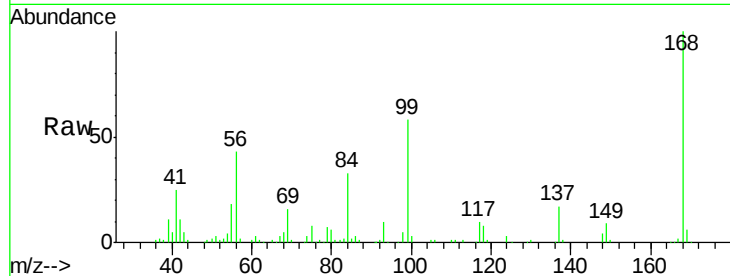
ClientSampleId :

VN0506WBS01

Tot Ion:	56	Resp:	158184
Ion	Ratio	Lower	Upper
56	100		
69	37.1	25.2	37.8
84	76.4	61.1	91.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.623 ug/l

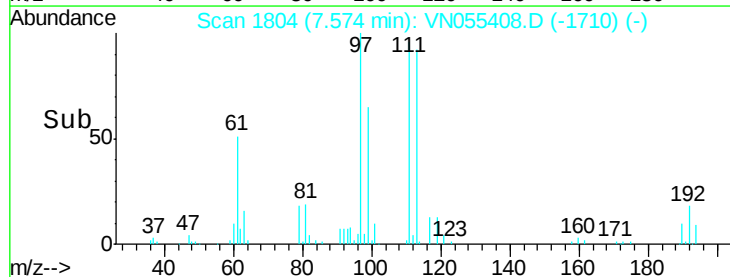
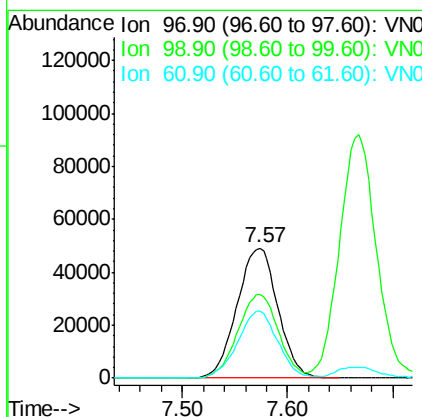
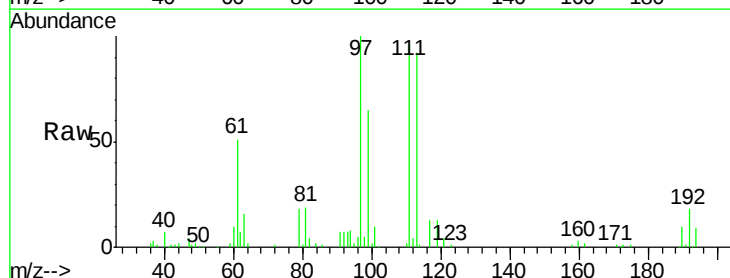
RT: 7.57 min Scan# 1804

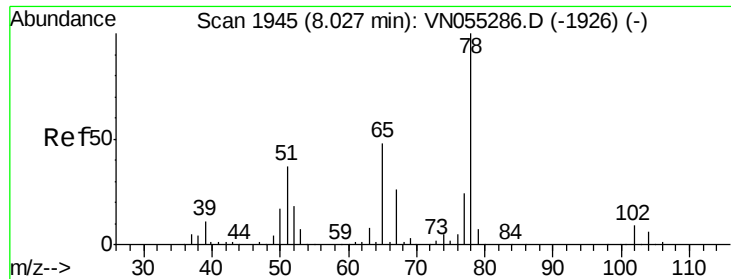
Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Tgt Ion:	97	Resp:	132072
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	50.7	39.0	58.6





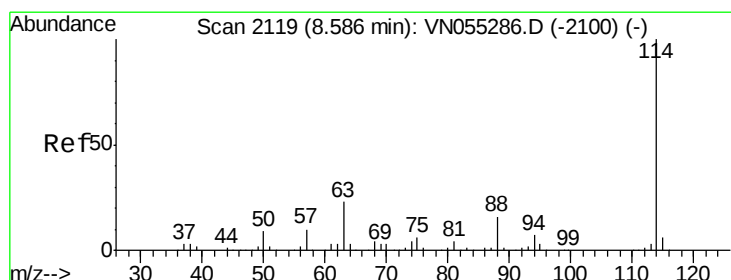
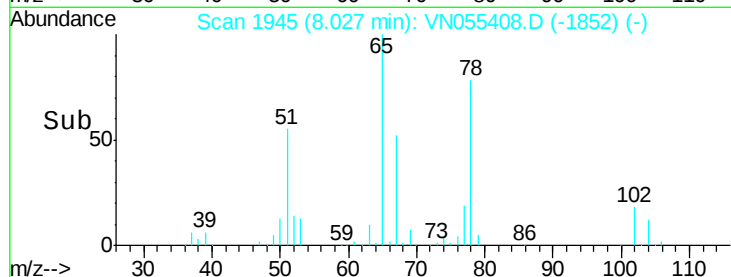
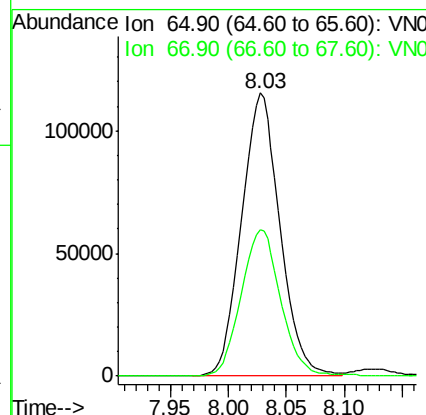
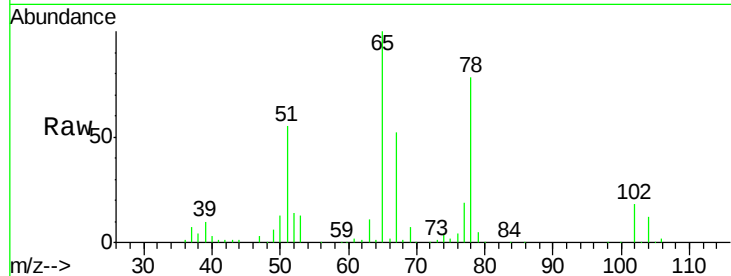
#33
 1,2-Dichloroethane-d4
 Concen: 50.266 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	265613		
67	53.2	0.0	106.8	

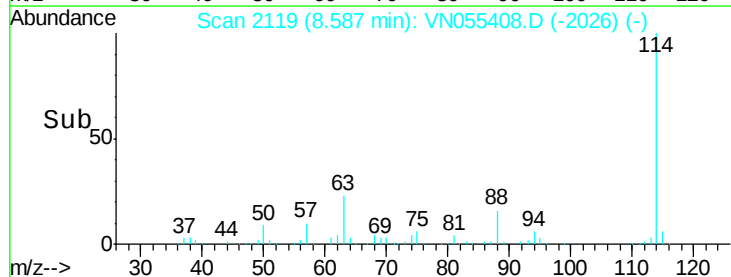
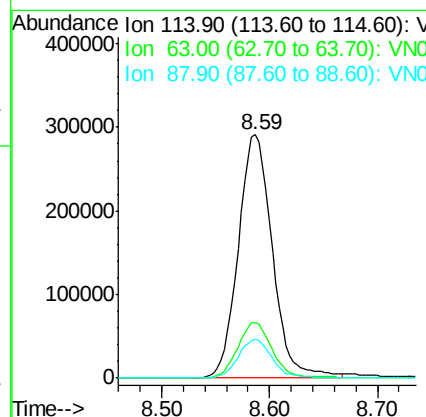
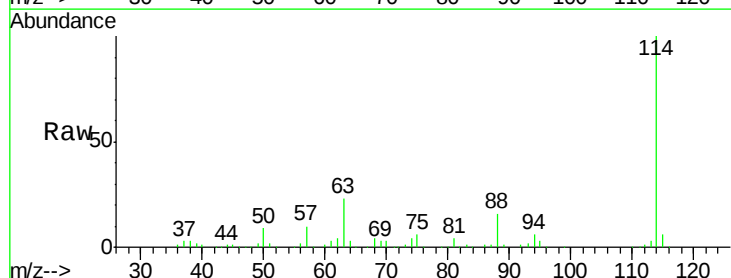
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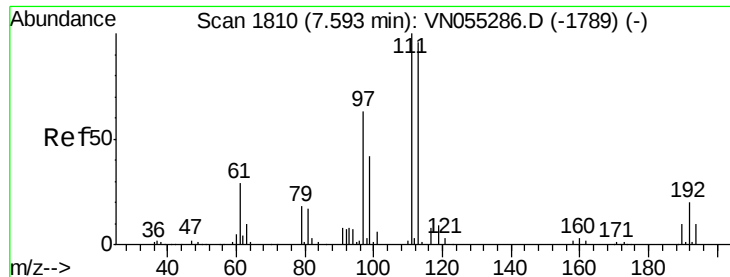
MMDadoda
 5/7/2019 1:22:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	642907		
63	23.0	0.0	45.2	
88	16.0	0.0	31.6	





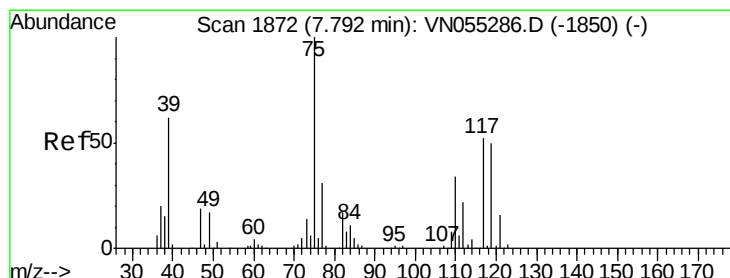
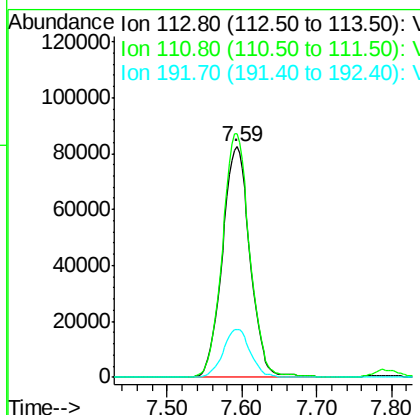
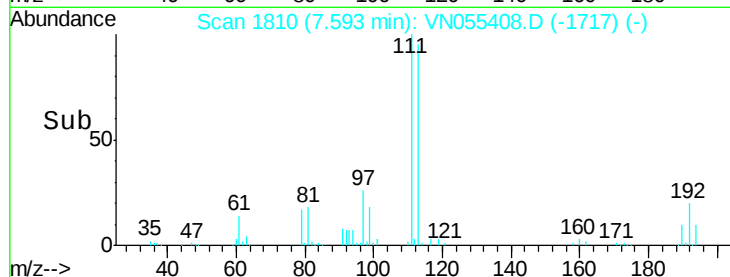
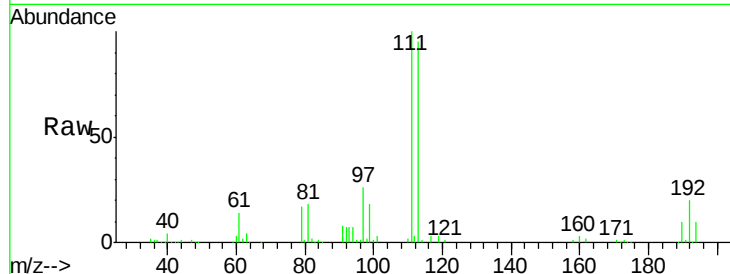
#35
Dibromofluoromethane
Concen: 50.134 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	82.3	123.5	
192	20.3	17.0	25.6	

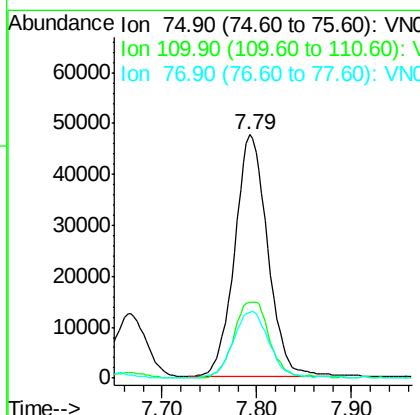
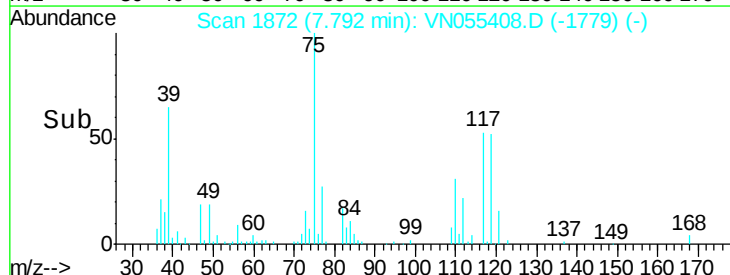
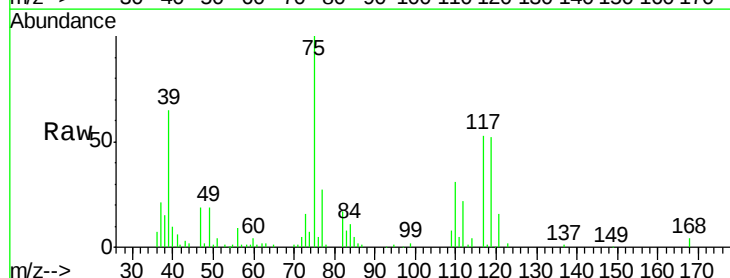
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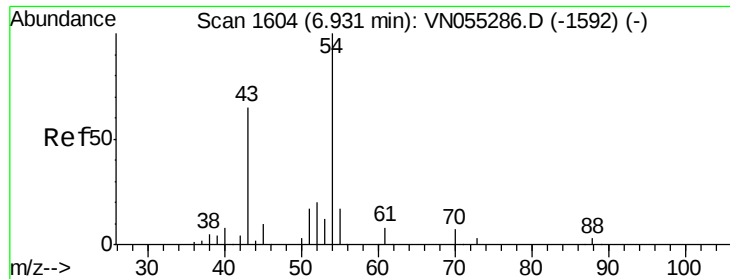
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#36
1,1-Dichloropropene
Concen: 18.795 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.7	16.8	50.4	
77	30.0	25.0	37.6	





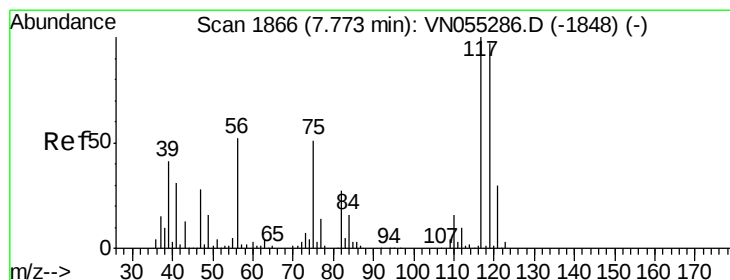
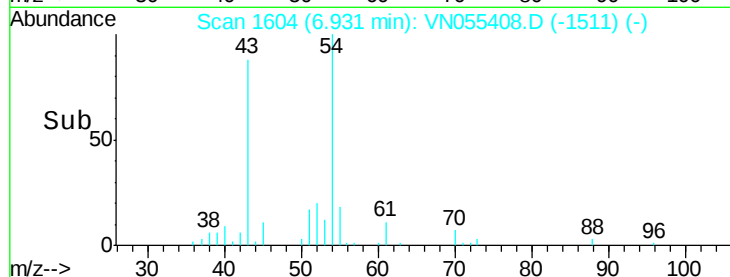
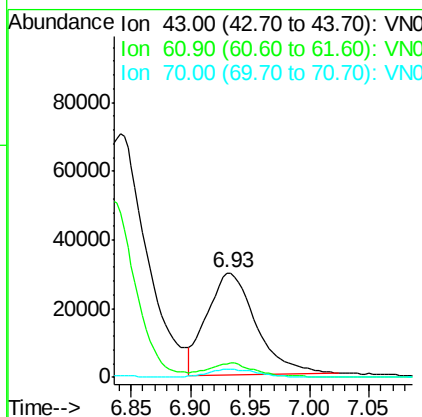
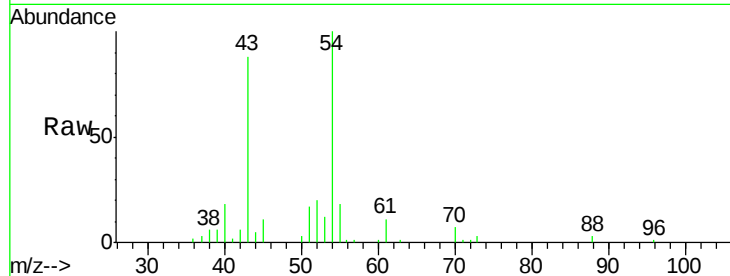
#37
Ethyl Acetate
Concen: 18.063 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	43	61	70
Resp	85249		
Ratio	100	14.0	8.1
Lower		10.4	6.6
Upper		15.6	10.0

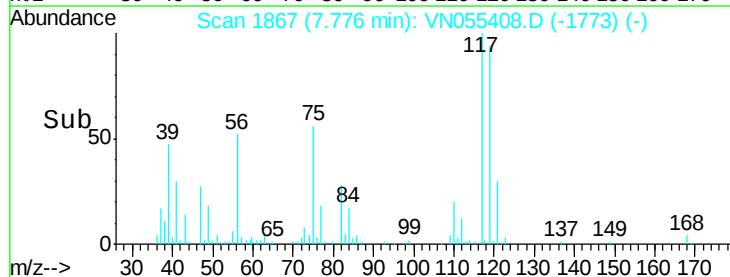
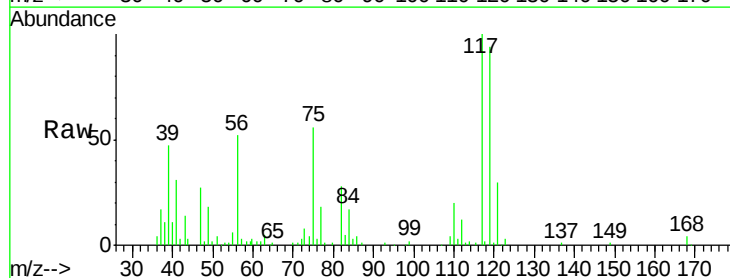
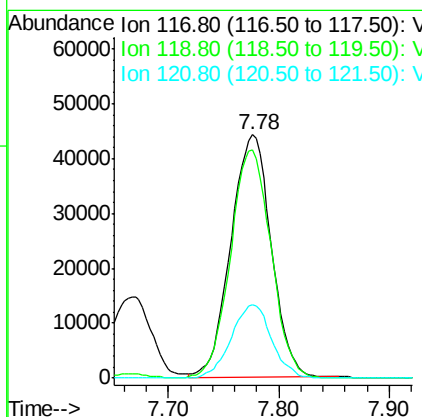
Manual Integrations
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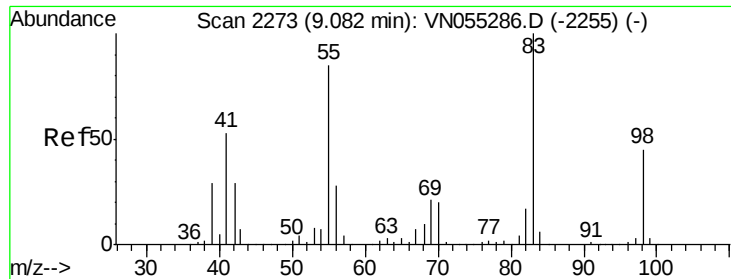
MMDadoda
5/7/2019 1:22:27 PM



#38
Carbon Tetrachloride
Concen: 18.885 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion	117	119	121
Resp	112182		
Ratio	100	94.2	30.4
Lower		77.0	23.8
Upper		115.6	35.8





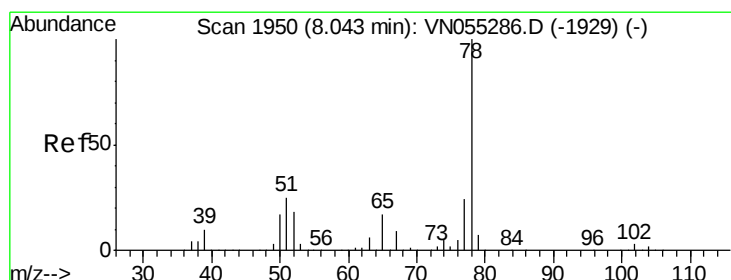
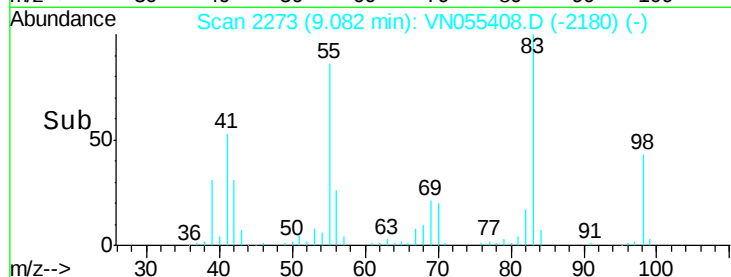
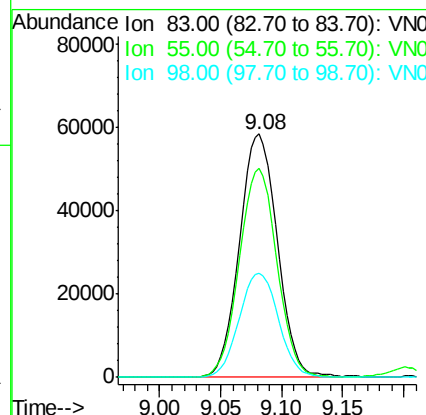
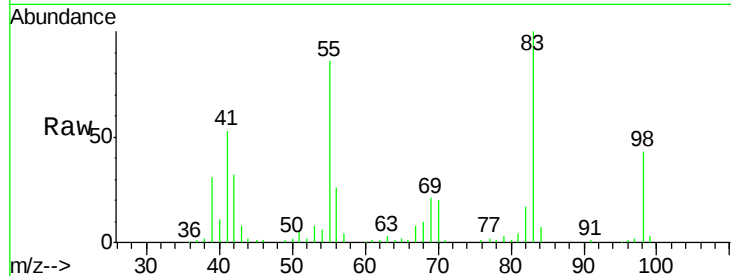
#39
Methvlcvclohexane
Concen: 19.193 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	85.7	67.8	101.6	
98	42.8	36.2	54.4	

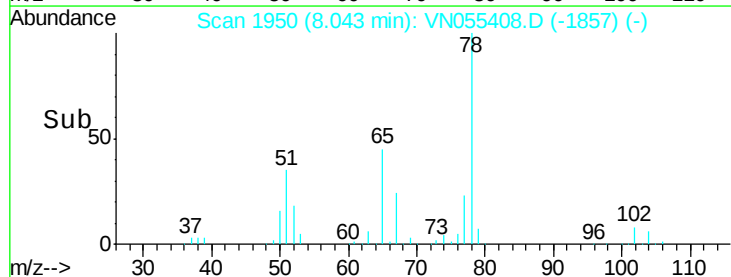
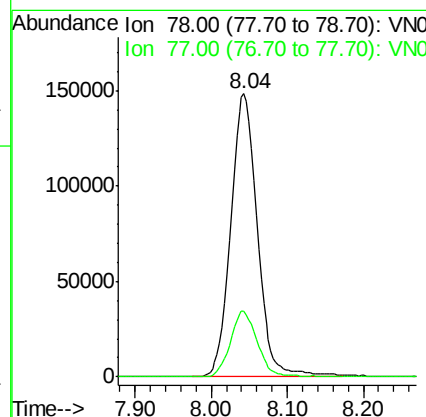
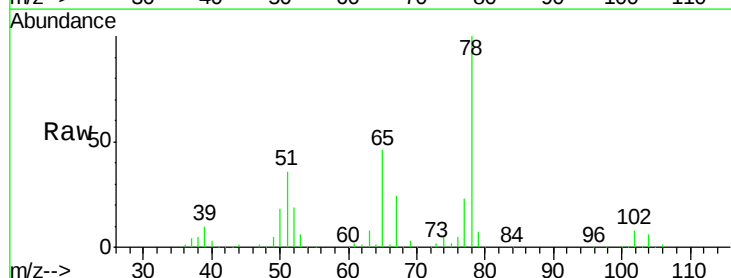
Manual Integrations
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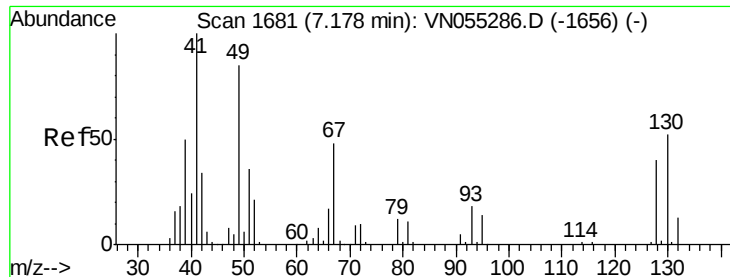
MMDadoda
5/7/2019 1:22:27 PM



#40
Benzene
Concen: 20.004 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	19.0	28.6	





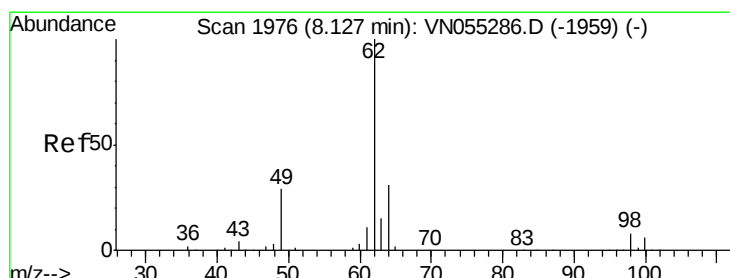
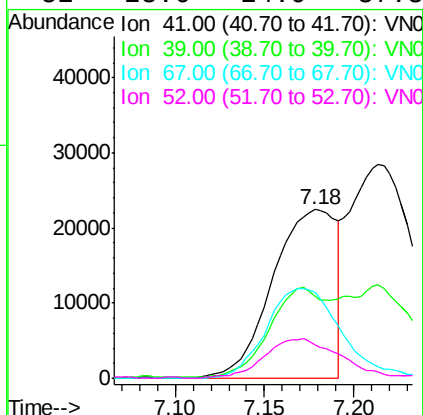
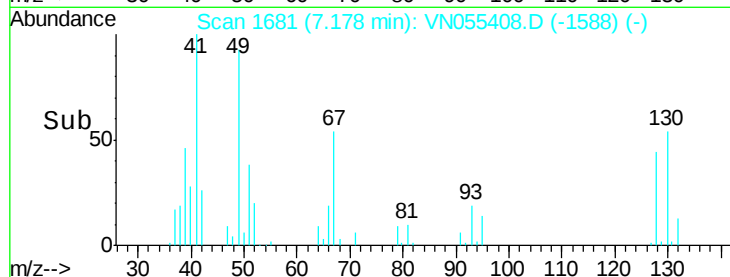
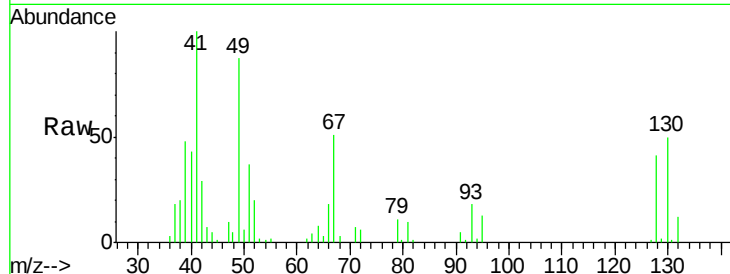
#41
Methacrylonitrile
Concen: 22.113 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion:	41	Resp:	55413
Ion Ratio	Lower	Upper	
41	100		
39	48.3	48.5	72.7#
67	62.9	54.9	82.3
52	28.6	24.9	37.3

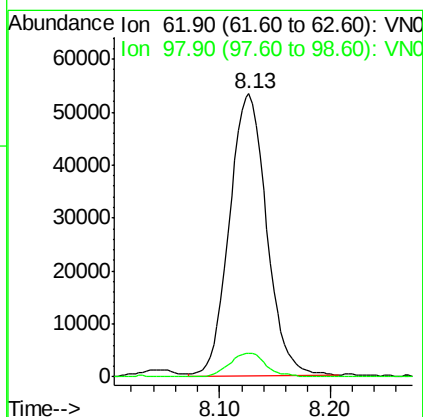
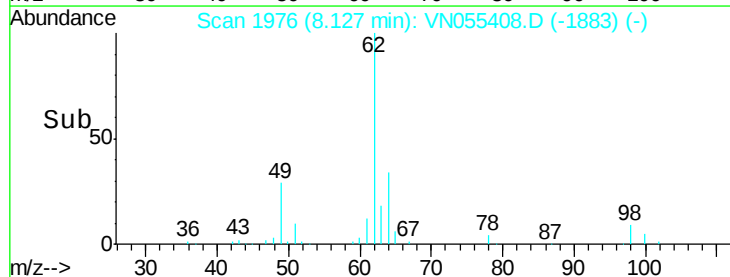
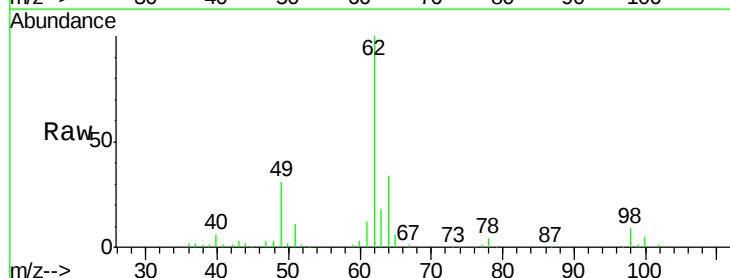
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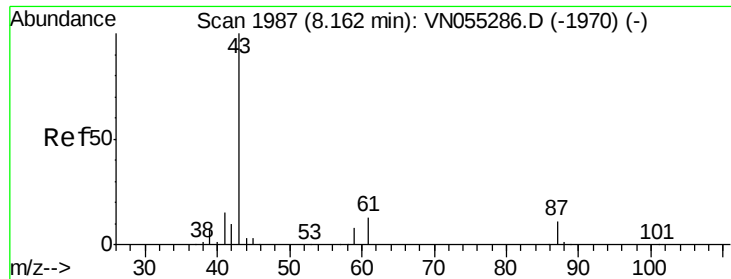
MMDadoda
5/7/2019 1:22:27 PM



#42
1,2-Dichloroethane
Concen: 19.344 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion:	62	Resp:	124372
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	16.4





#43

Isopropyl Acetate

Concen: 19.856 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

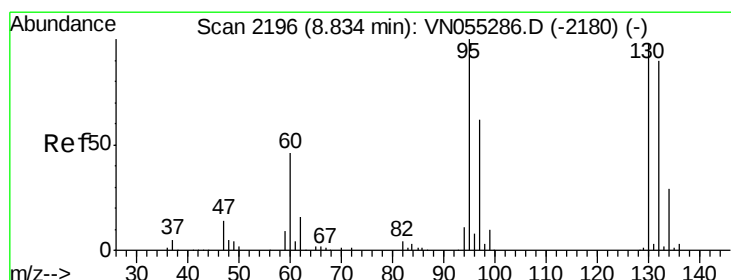
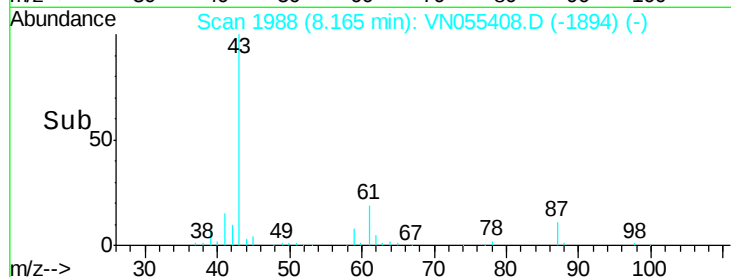
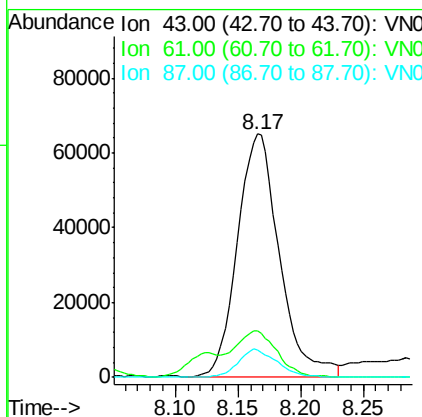
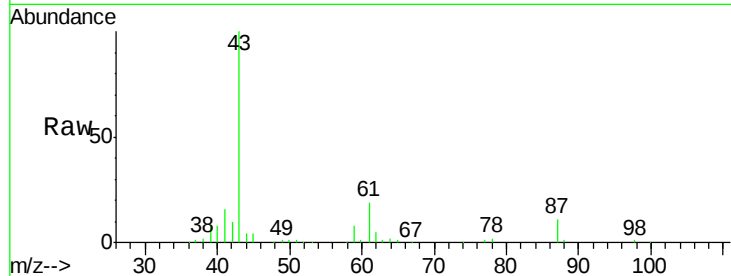
ClientSampleId :

VN0506WBS01

Tot Ion:	43	Resp:	150602
Ion	Ratio	Lower	Upper
43	100		
61	18.3	20.8	31.2#
87	10.8	8.5	12.7

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#44

Trichloroethene

Concen: 19.297 ug/l

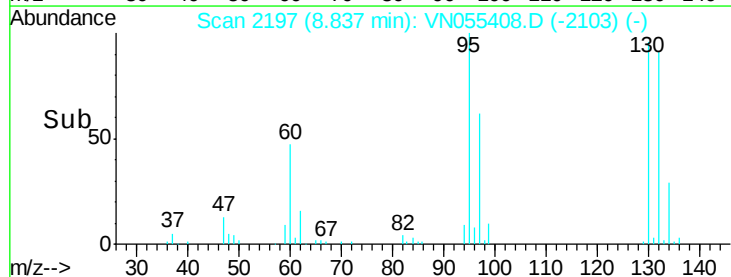
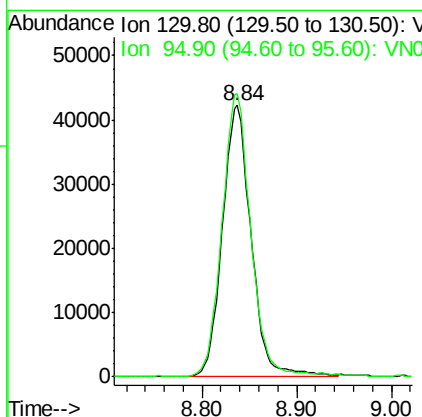
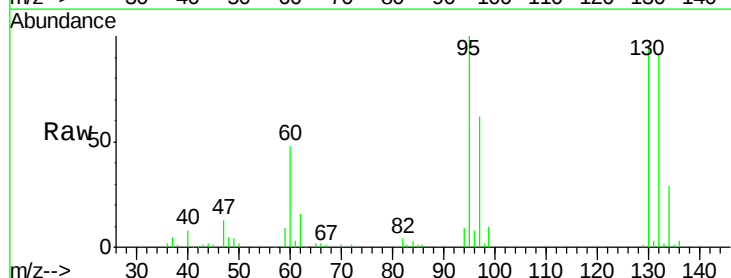
RT: 8.84 min Scan# 2197

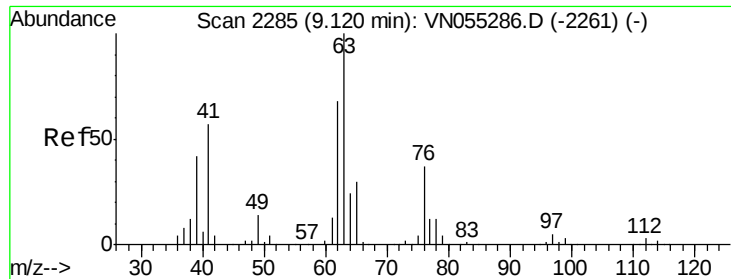
Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Tgt Ion:	130	Resp:	89302
Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	203.4





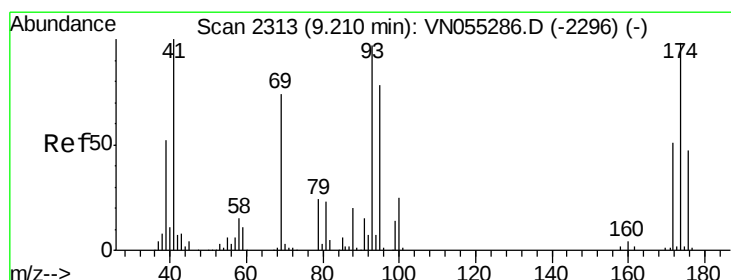
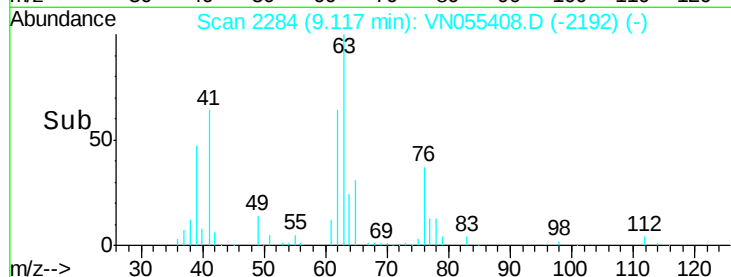
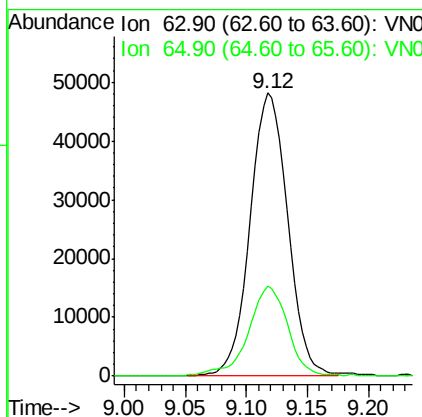
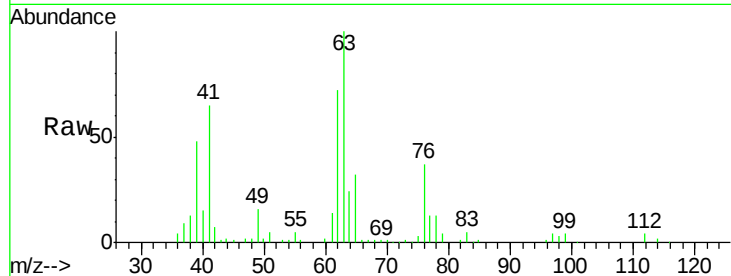
#45
 1,2-Dichloropropane
 Concen: 19.657 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Tot Ion: 63 Resp: 102920
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.9 35.9

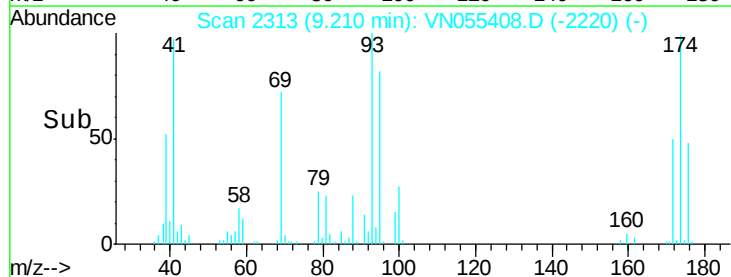
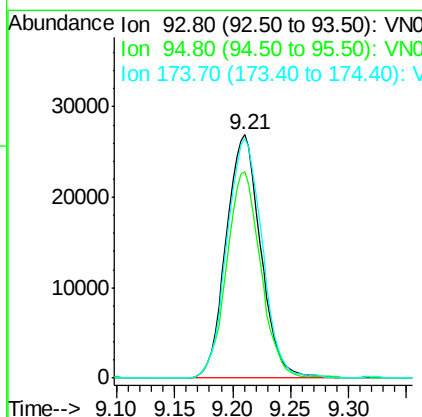
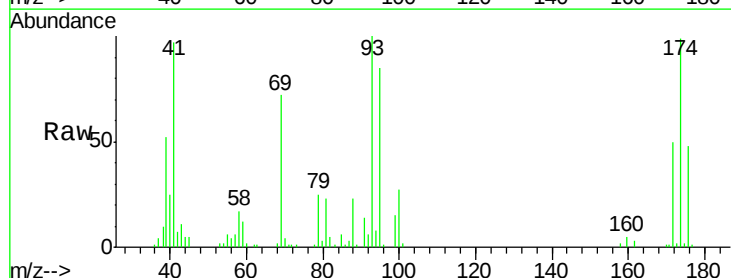
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#46
 Dibromomethane
 Concen: 19.401 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Tgt Ion: 93 Resp: 55524
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.7 98.5
 174 100.0 81.5 122.3





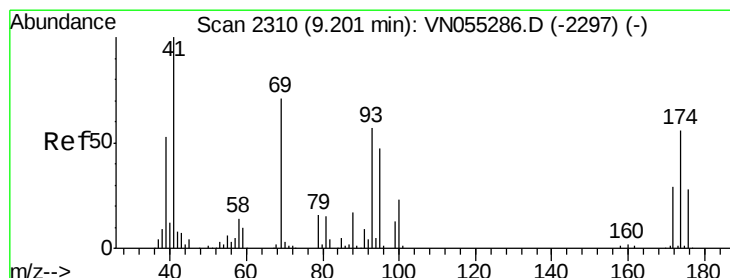
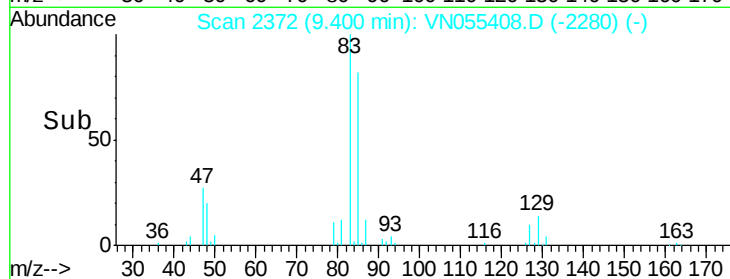
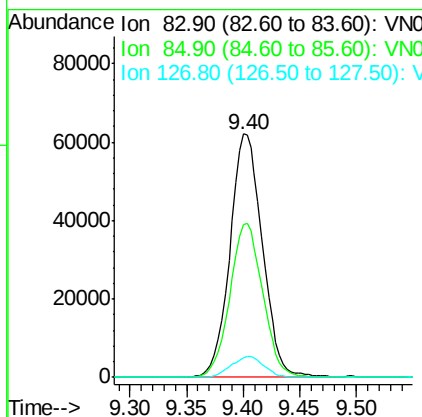
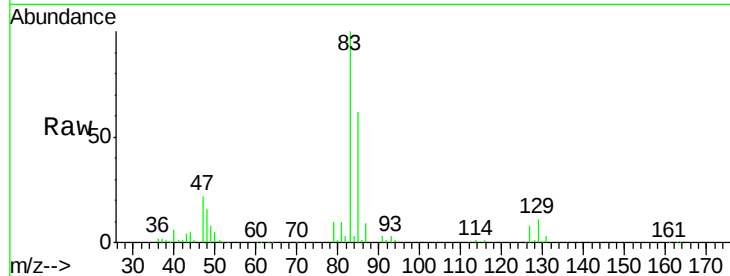
#47
Bromodichloromethane
Concen: 20.169 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	123828		
85	62.5	50.1	75.1	
127	8.0	6.7	10.1	

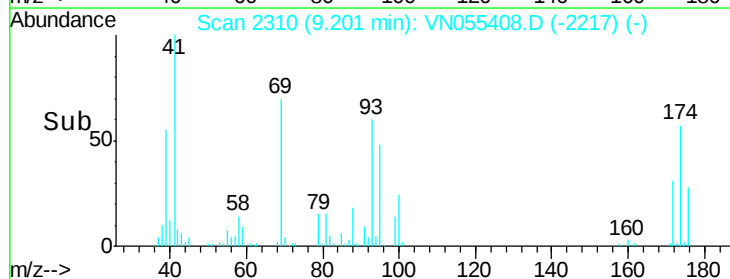
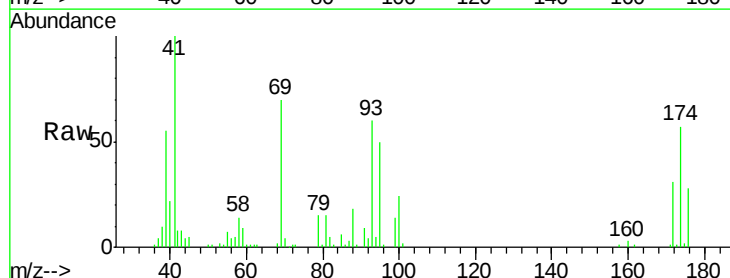
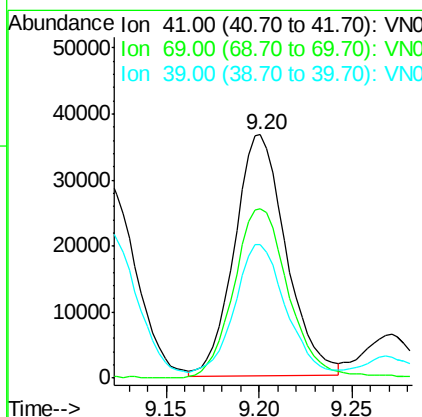
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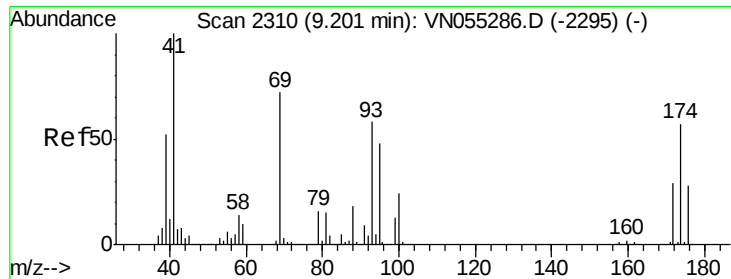
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#48
Methyl methacrylate
Concen: 19.018 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	70913		
69	74.2	58.6	87.8	
39	55.2	43.8	65.6	





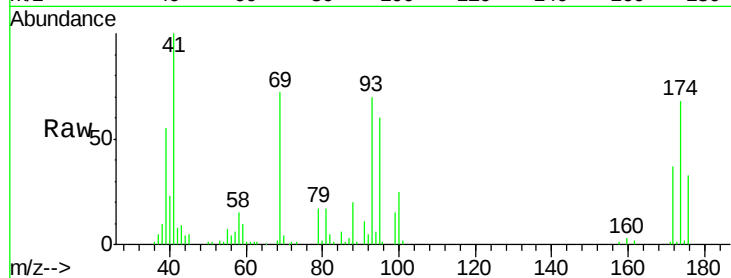
#49
1,4-Dioxane
Concen: 365.526 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	88	Resp	14089
Ion	Ratio	Lower	Upper
88	100		
43	39.4	33.3	49.9
58	83.8	62.7	94.1

Manual Integrations
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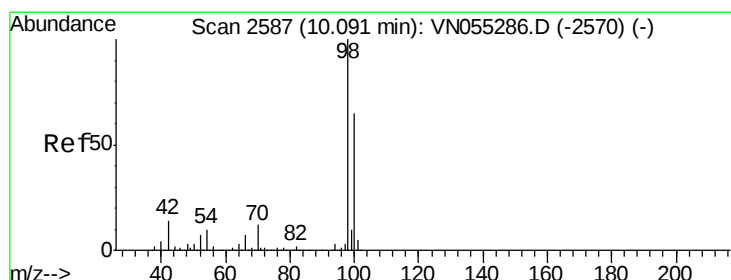
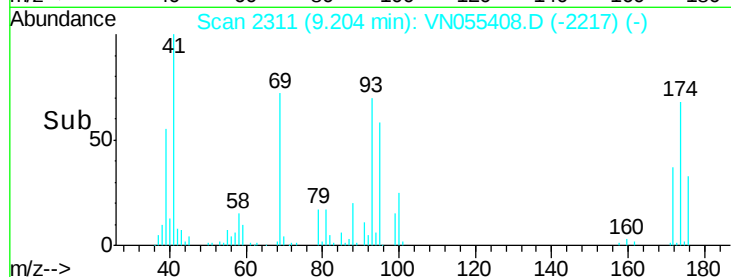
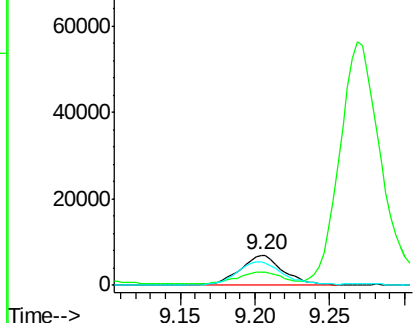
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Abundance Ion 88.00 (87.70 to 88.70): VN055408.D (-2217) (-)

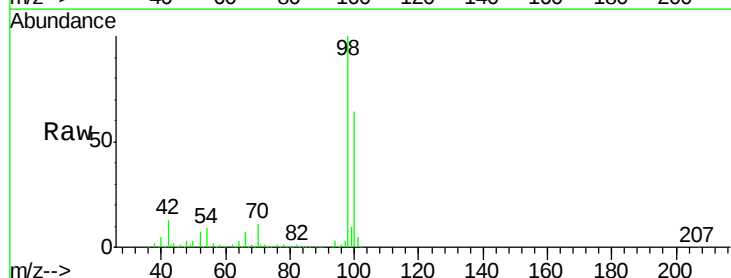
Ion 43.00 (42.70 to 43.70): VN055408.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055408.D (-2217) (-)



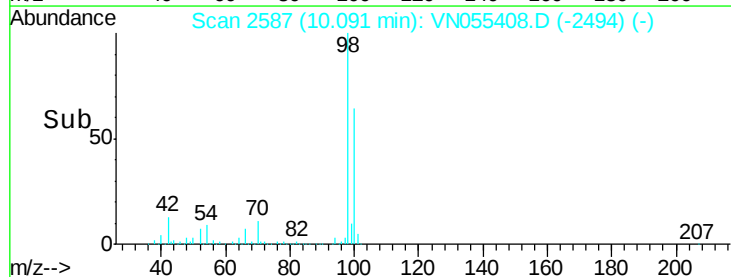
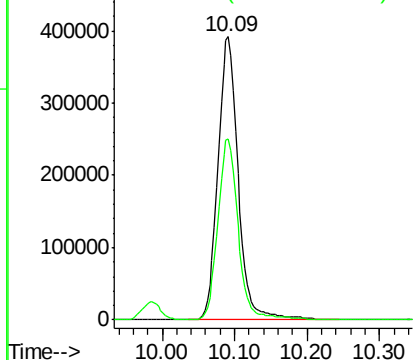
#50
Toluene-d8
Concen: 49.808 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion	98	Resp	758945
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055408.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055408.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 99.652 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VN0506WBS01

Tot Ion: 43 Resp: 425544

Ion Ratio Lower Upper

43 100

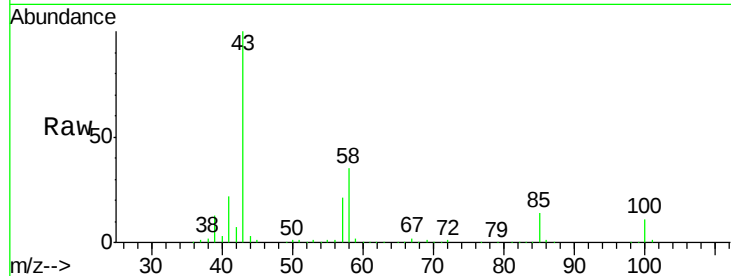
58 34.6 28.5 42.7

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

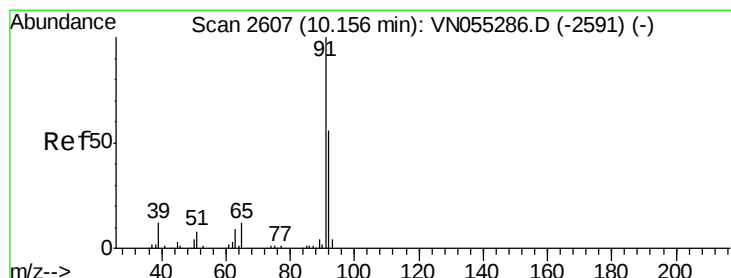
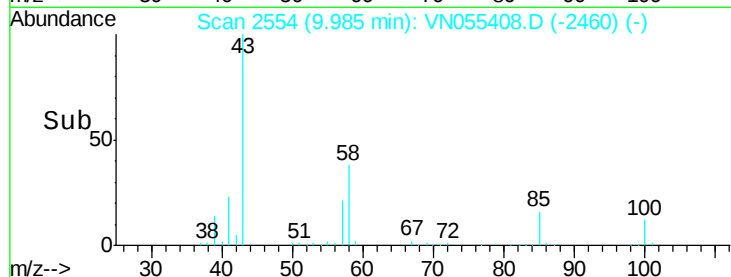
50000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 19.734 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055408.D

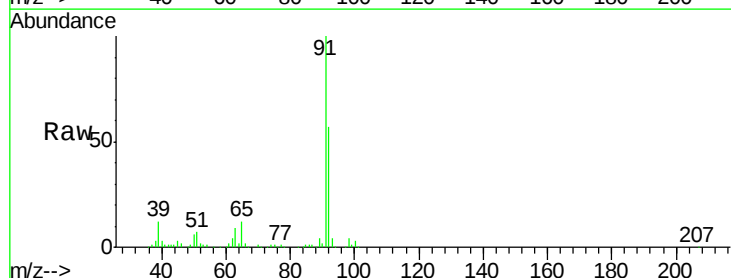
Acq: 6 May 2019 10:44

Tgt Ion: 92 Resp: 205545

Ion Ratio Lower Upper

92 100

91 176.6 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

150000

100000

50000

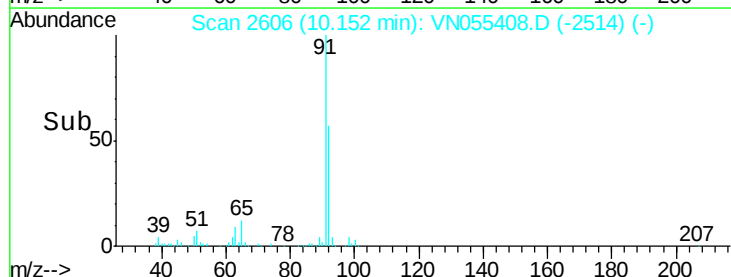
0

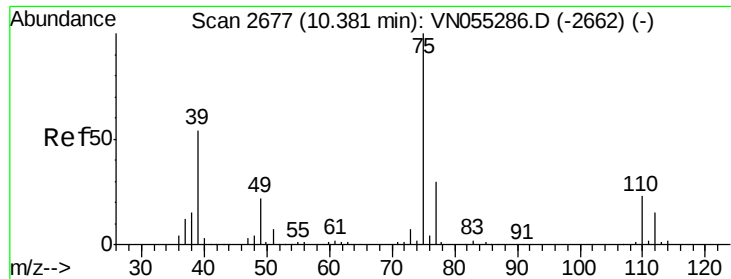
10.10

10.20

10.30

Time-->





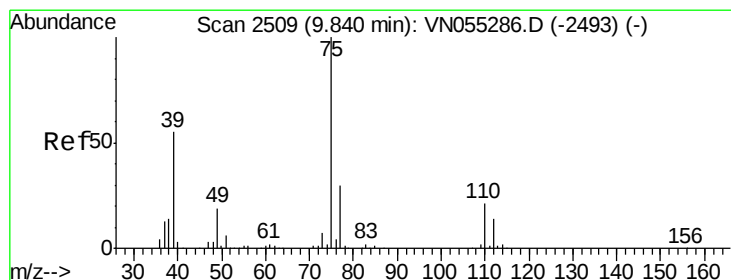
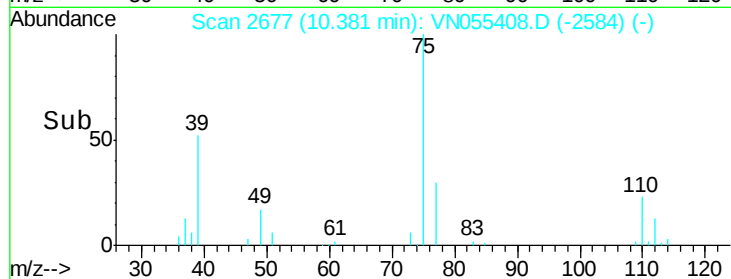
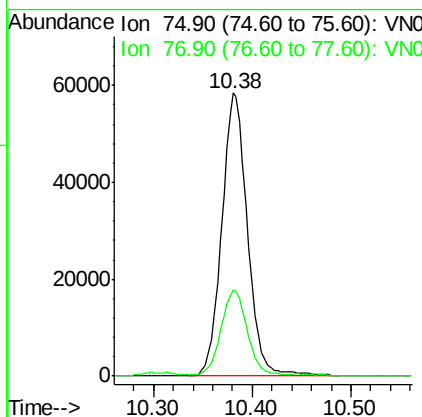
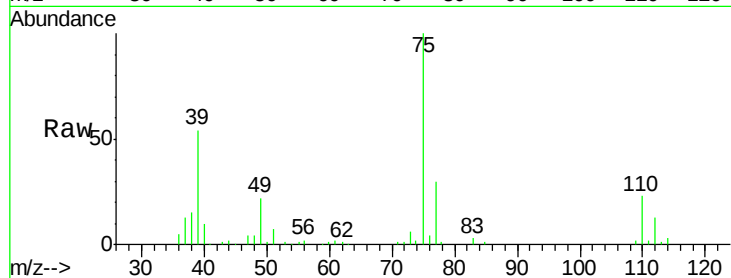
#53
t-1,3-Dichloropropene
Concen: 20.008 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion: 75 Resp: 106639
Ion Ratio Lower Upper
75 100
77 30.4 24.4 36.6

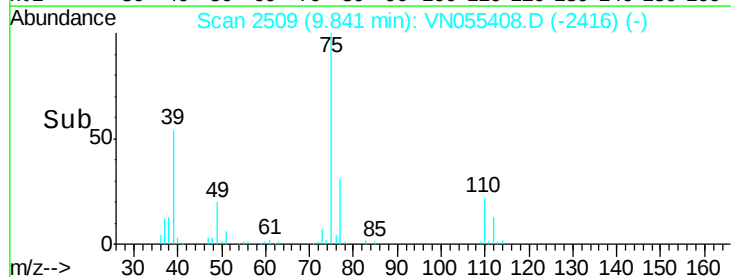
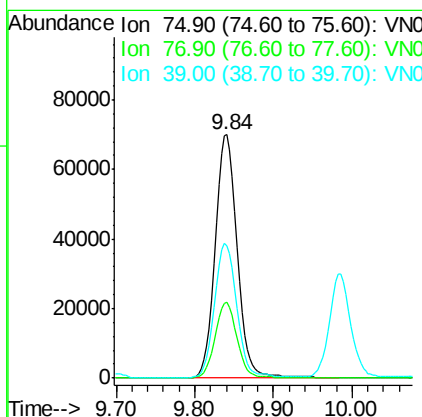
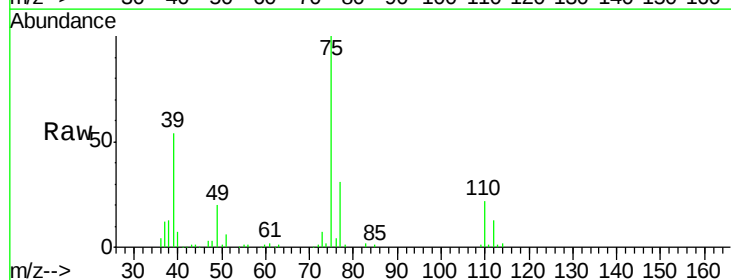
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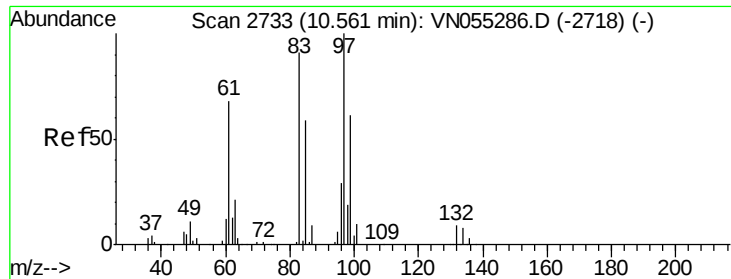
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.357 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion: 75 Resp: 135275
Ion Ratio Lower Upper
75 100
77 31.1 24.2 36.2
39 54.1 44.2 66.2





#55

1,1,2-Trichloroethane

Concen: 20.001 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

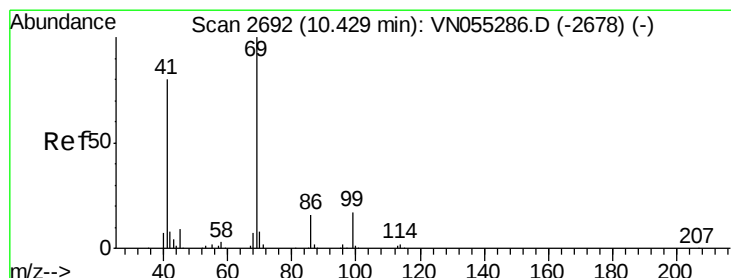
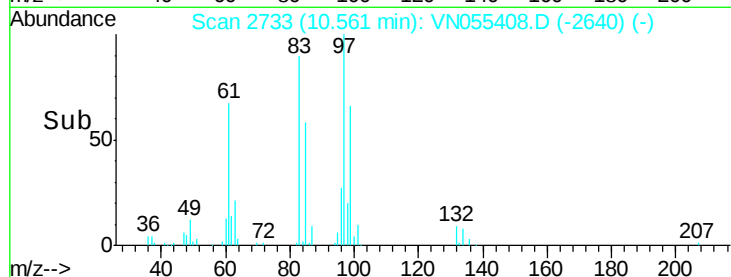
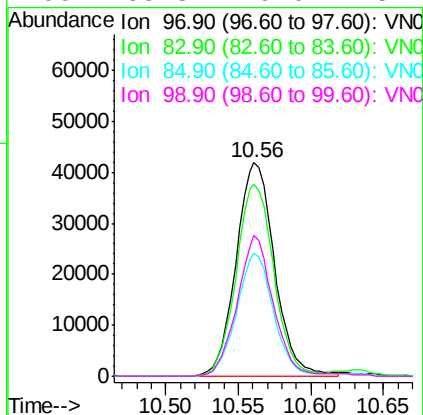
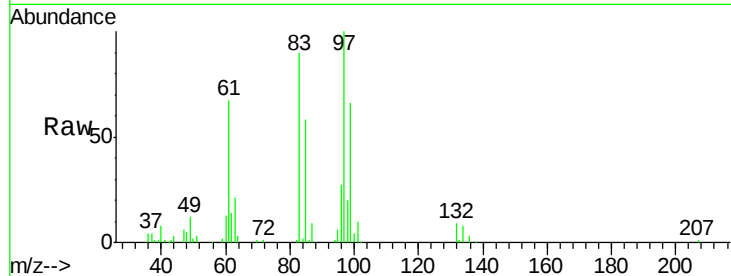
ClientSampleId :

VN0506WBS01

Tot Ion:	97	Resp:	77361
Ion	Ratio	Lower	Upper
97	100		
83	90.0	72.8	109.2
85	57.5	47.0	70.6
99	65.8	49.0	73.4

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#56

Ethyl methacrylate

Concen: 19.375 ug/l

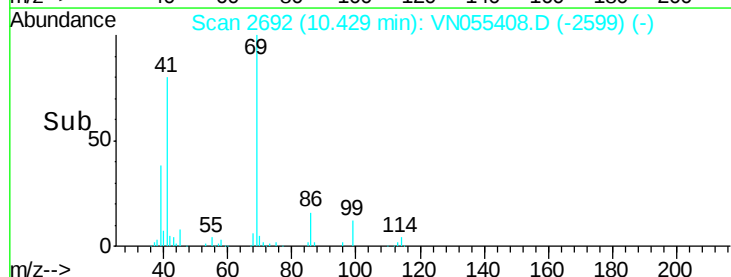
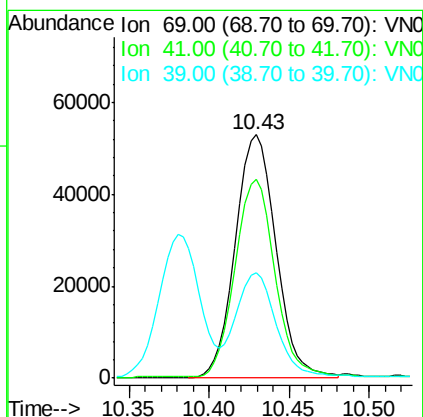
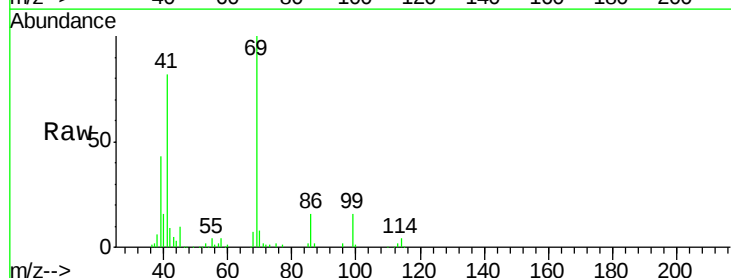
RT: 10.43 min Scan# 2692

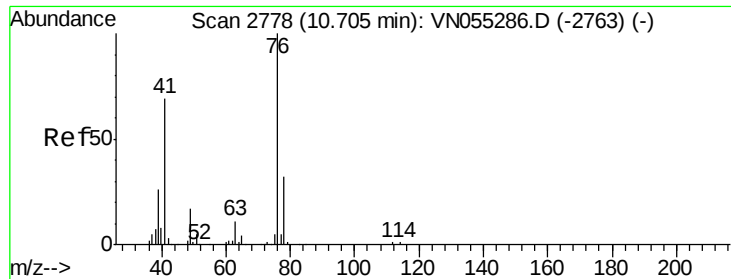
Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Tgt Ion:	69	Resp:	92239
Ion	Ratio	Lower	Upper
69	100		
41	79.6	62.7	94.1
39	42.1	32.0	48.0





#57

1,3-Dichloropropane

Concen: 20.265 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBS01

Tot Ion: 76 Resp: 137502

Ion Ratio Lower Upper

76 100

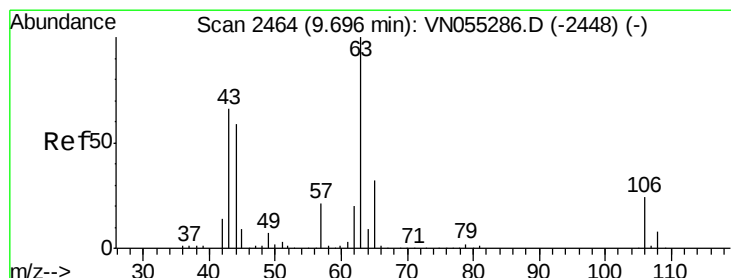
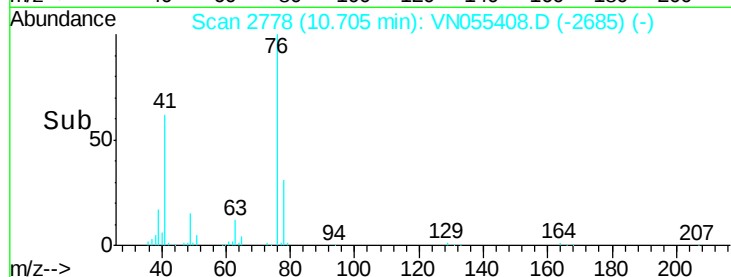
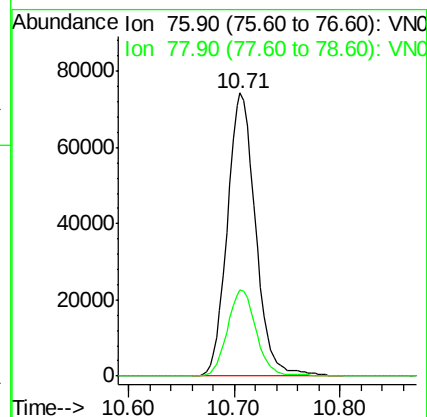
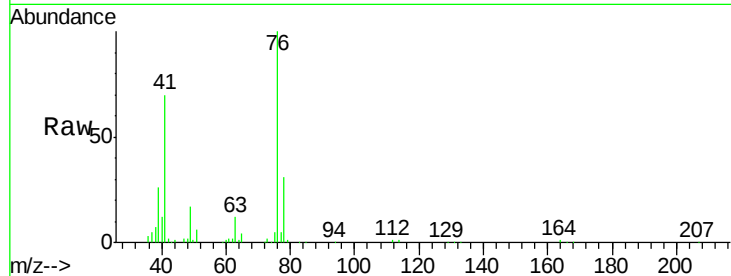
78 31.1 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 66.977 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055408.D

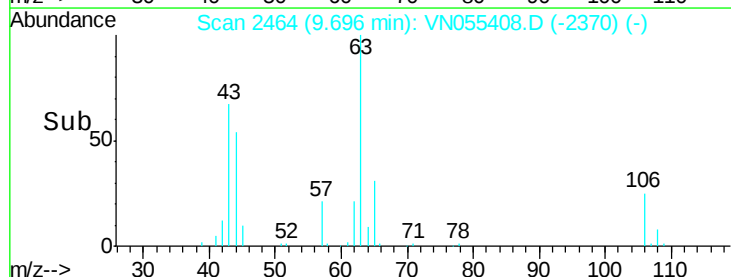
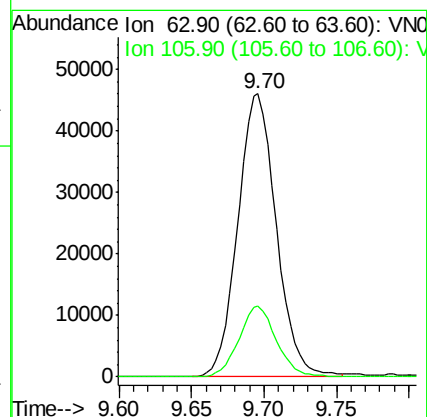
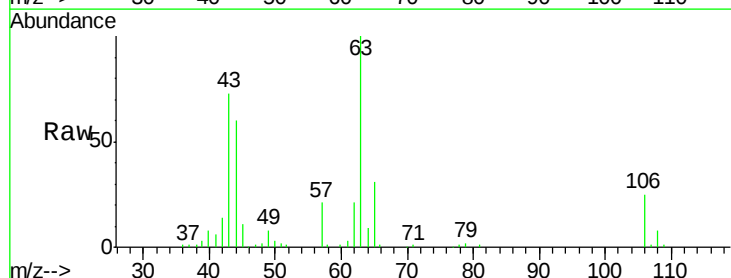
Acq: 6 May 2019 10:44

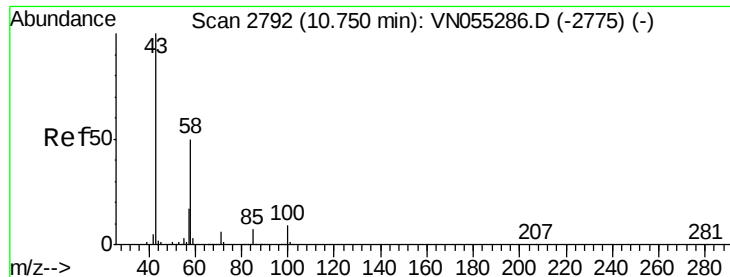
Tgt Ion: 63 Resp: 84840

Ion Ratio Lower Upper

63 100

106 24.3 19.0 28.4





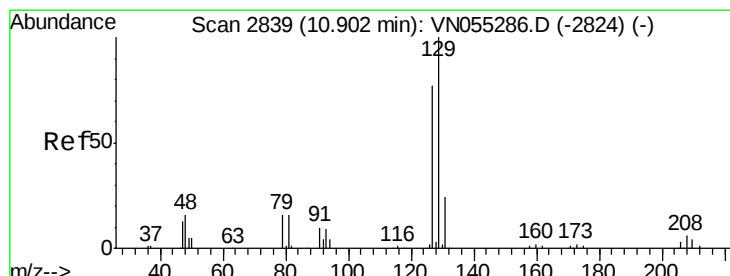
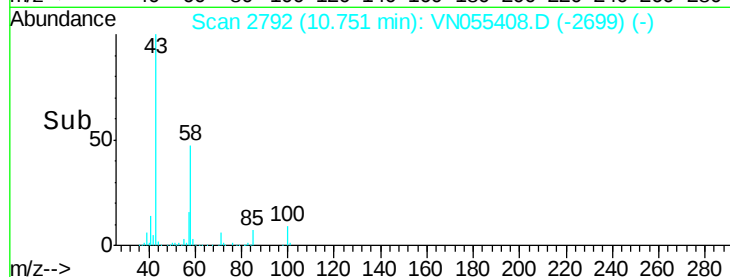
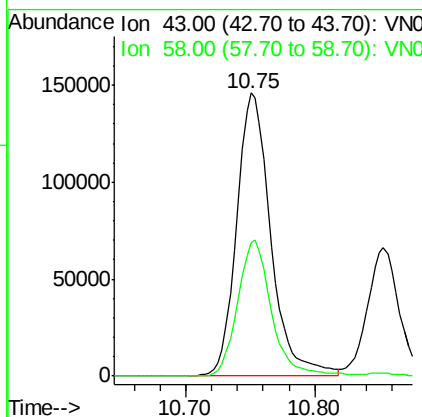
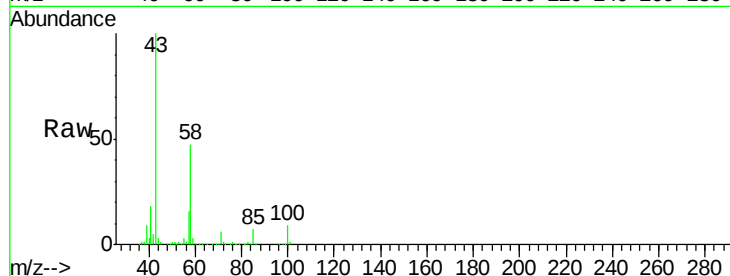
#59
2-Hexanone
Concen: 99.942 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion: 43 Resp: 267034
Ion Ratio Lower Upper
43 100
58 47.8 24.9 74.6

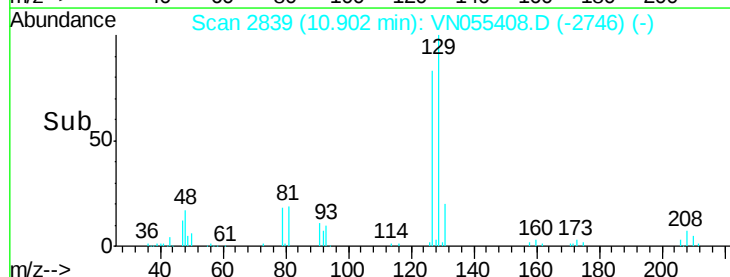
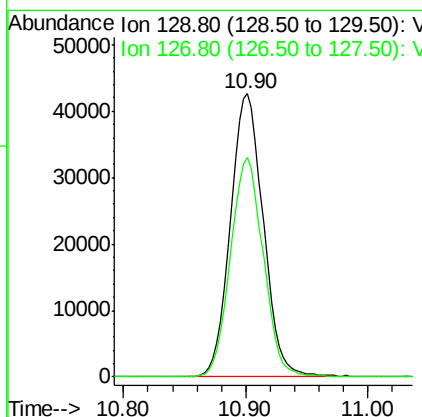
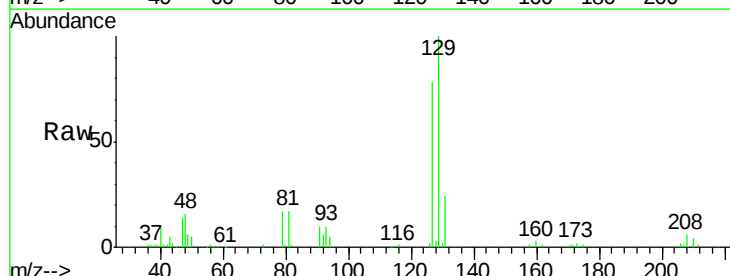
Manual Integrations
APPROVED

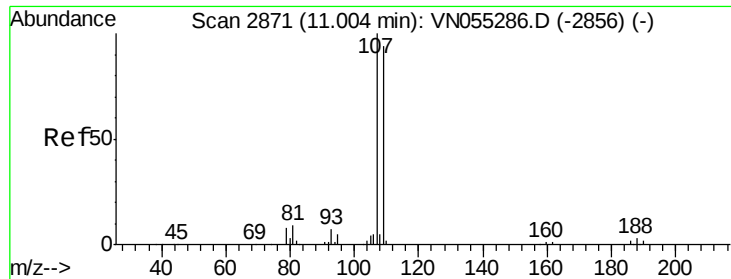
MMDadoda
5/7/2019 1:22:27 PM



#60
Dibromochloromethane
Concen: 20.191 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion: 129 Resp: 79818
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.5





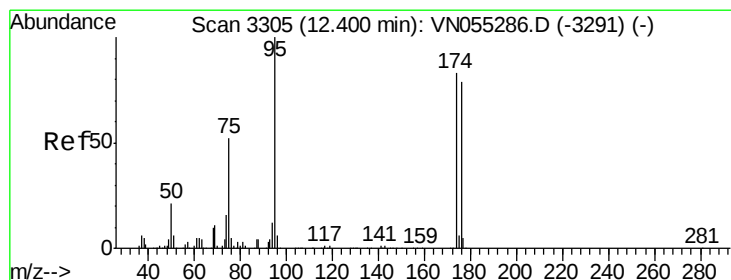
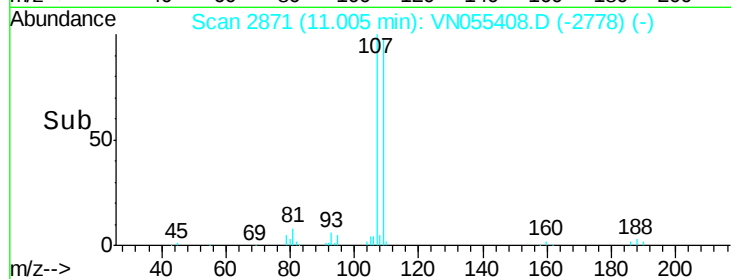
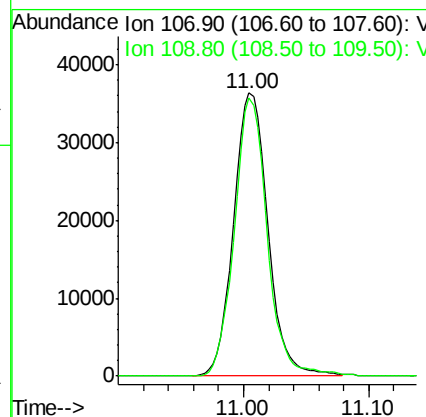
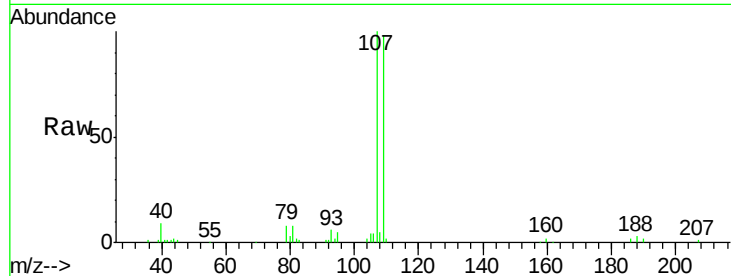
#61
 1,2-Dibromoethane
 Concen: 19.375 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Tot Ion: 107 Resp: 69266
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.0 112.6

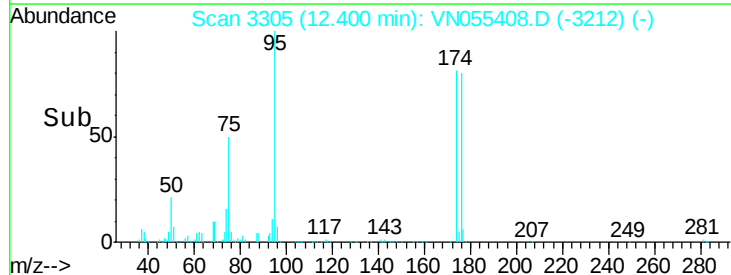
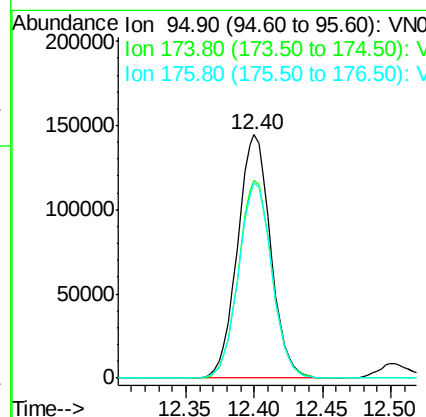
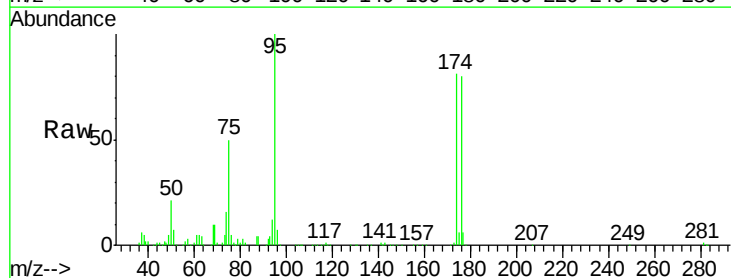
Manual Integrations
 APPROVED

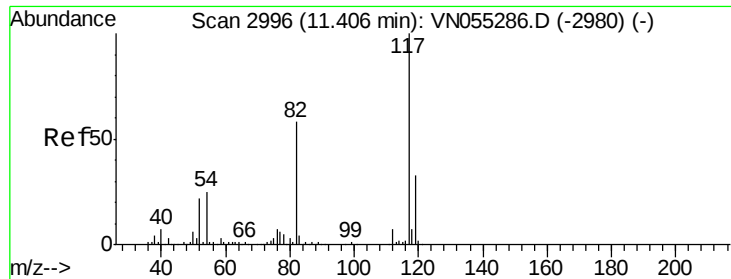
MMDadoda
 5/7/2019 1:22:27 PM



#62
 4-Bromofluorobenzene
 Concen: 51.077 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Tgt Ion: 95 Resp: 243241
 Ion Ratio Lower Upper
 95 100
 174 81.9 0.0 166.6
 176 80.8 0.0 157.8





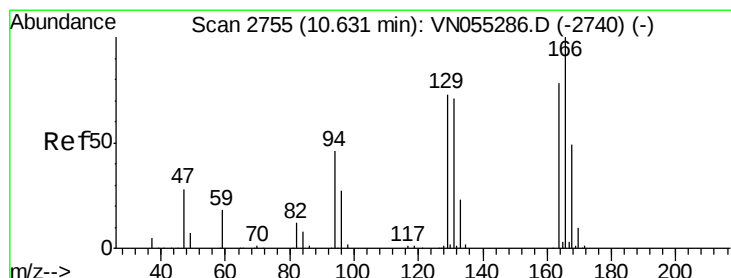
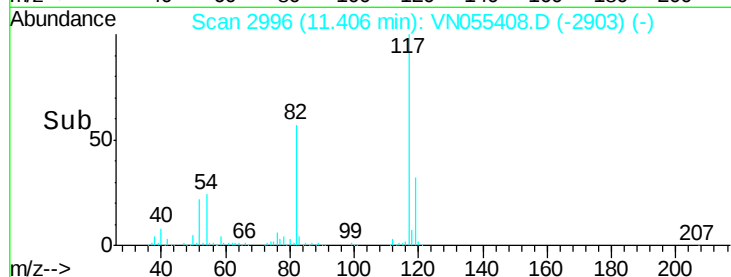
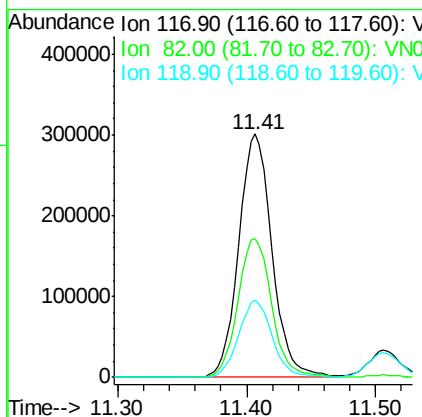
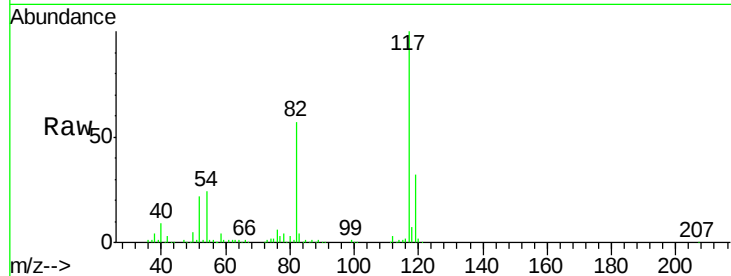
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.2	69.4
119	31.5	26.6	40.0

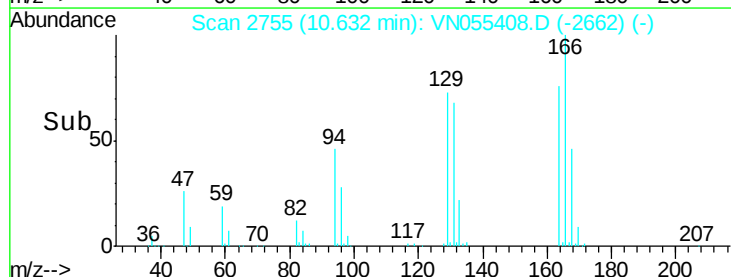
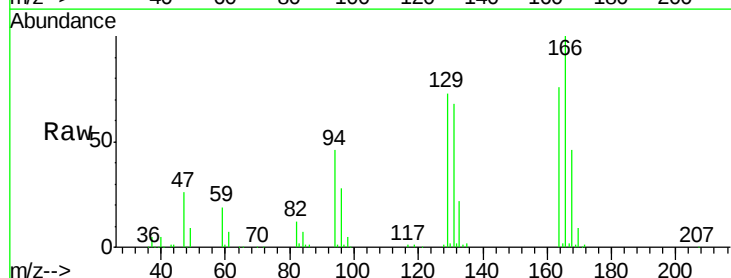
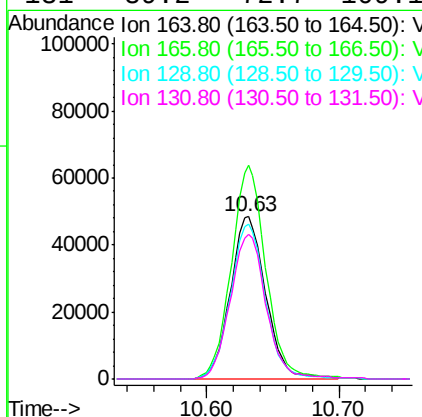
Manual Integrations
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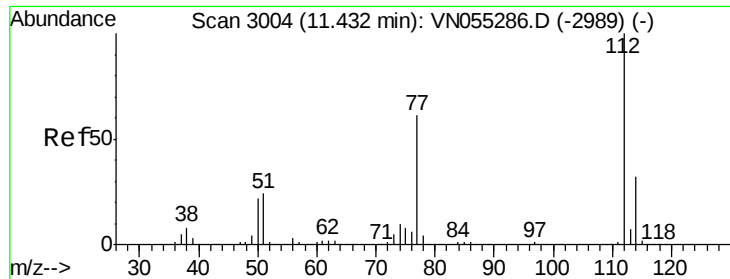
MMDadoda
5/7/2019 1:22:27 PM



#64
Tetrachloroethene
Concen: 20.339 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	102.3	153.5
129	95.5	75.0	112.6
131	89.2	72.7	109.1





#65

Chlorobenzene

Concen: 19.629 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VN0506WBS01

Tot Ion:112 Resp: 207715

Ion Ratio Lower Upper

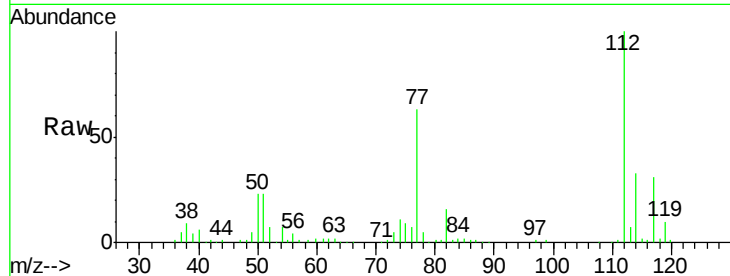
112 100

114 32.5 25.3 37.9

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

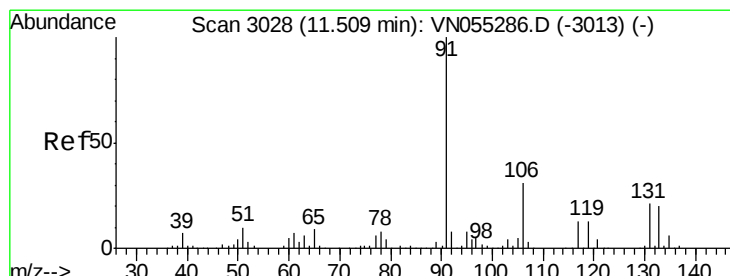
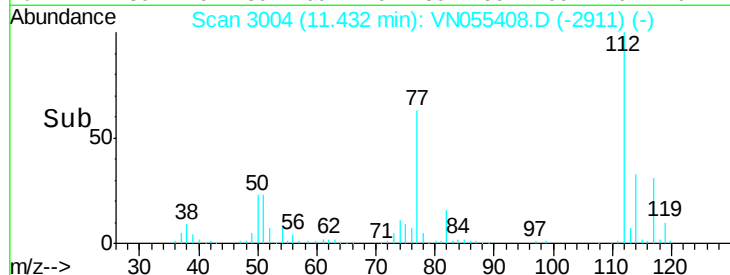
100000

50000

0

Time-->

11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 19.627 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

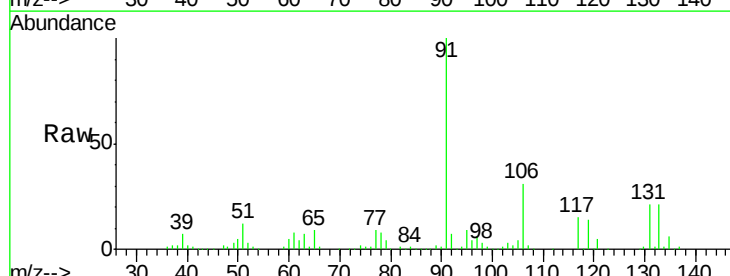
Tgt Ion:131 Resp: 81326

Ion Ratio Lower Upper

131 100

133 96.2 47.5 142.6

119 65.9 32.7 98.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

120000

100000

80000

60000

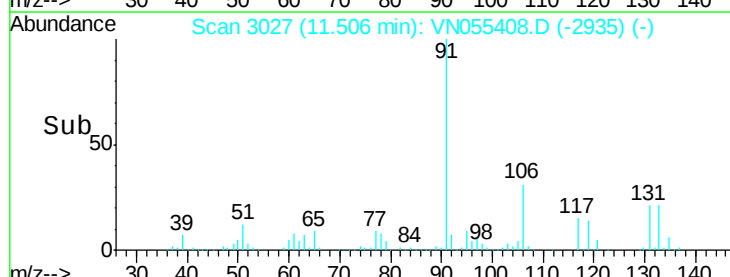
40000

20000

0

Time-->

11.45 11.50 11.55





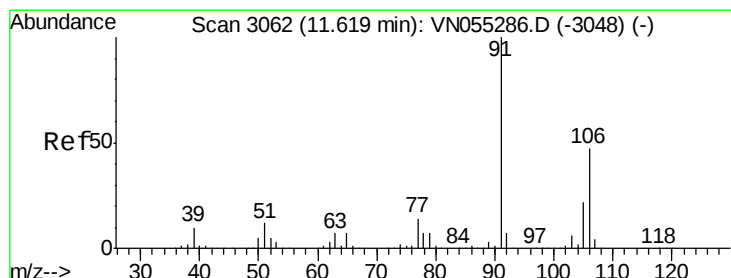
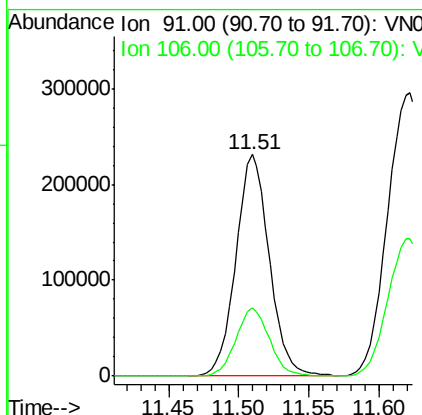
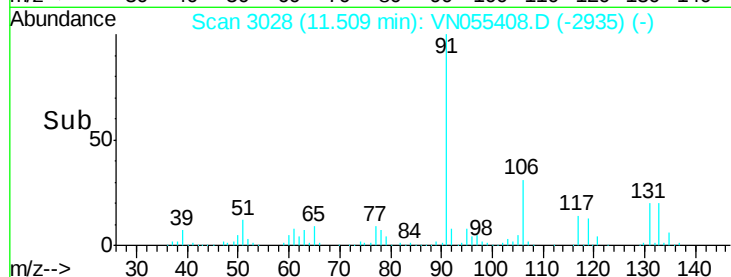
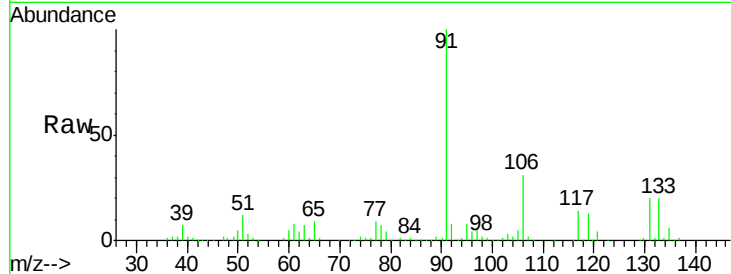
#67
Ethyl Benzene
Concen: 20.092 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion: 91 Resp: 383934
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8

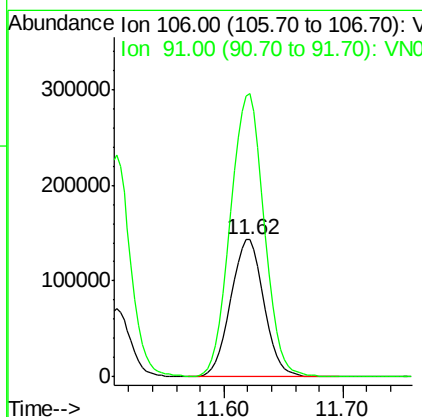
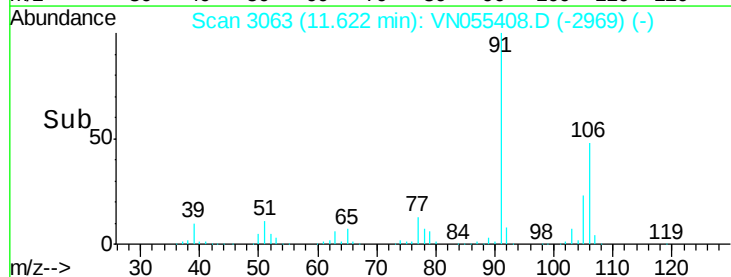
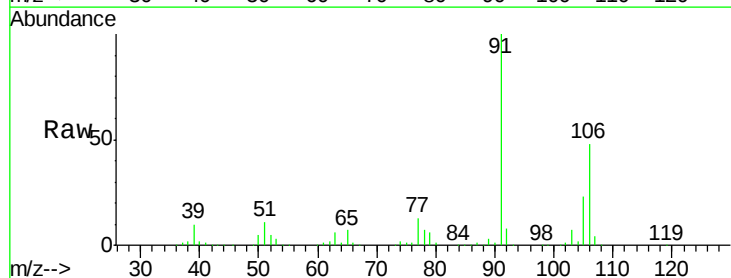
Manual Integrations
APPROVED

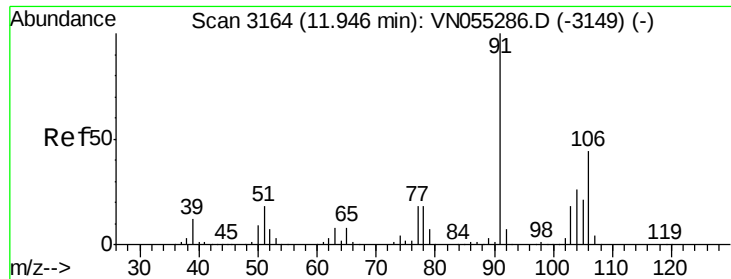
MMDadoda
5/7/2019 1:22:27 PM



#68
m/p-Xylenes
Concen: 40.770 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion: 106 Resp: 278087
Ion Ratio Lower Upper
106 100
91 208.3 169.5 254.3





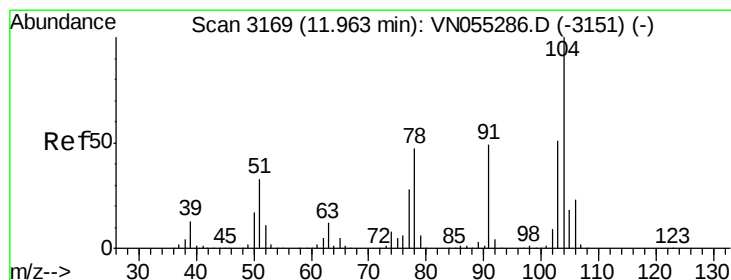
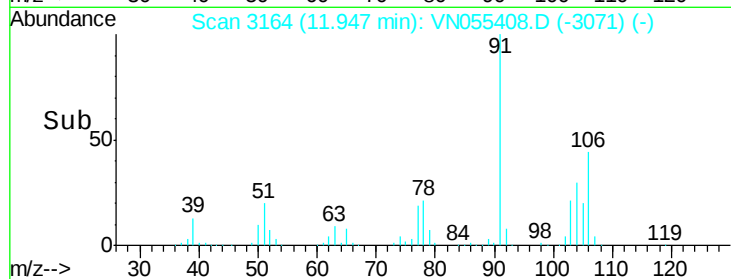
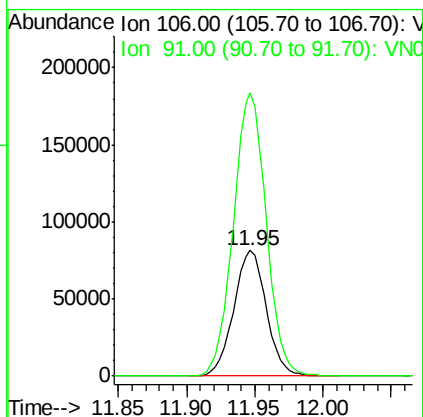
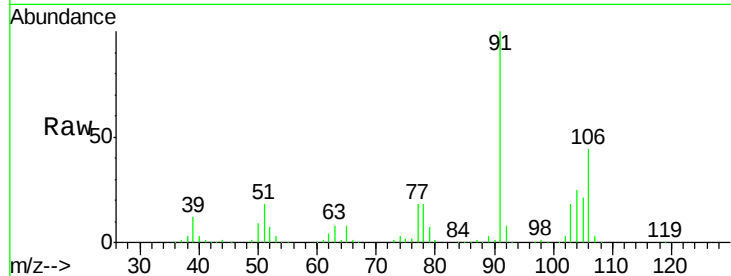
#69
o-Xylene
Concen: 19.971 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion:106 Resp: 135015
Ion Ratio Lower Upper
106 100
91 227.8 111.5 334.5

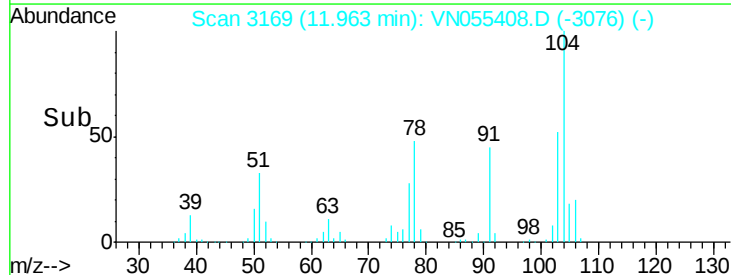
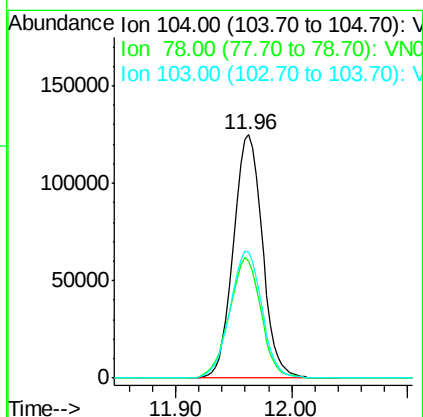
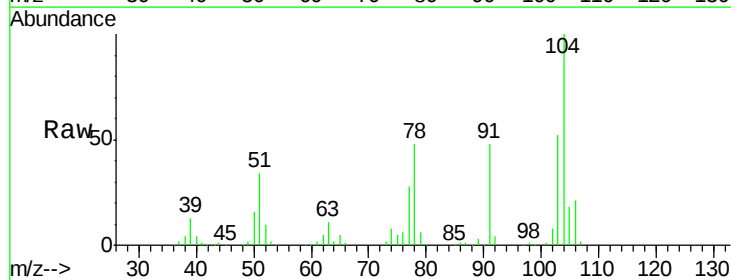
Manual Integrations
APPROVED

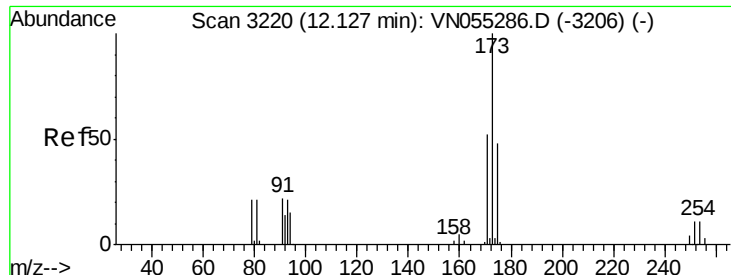
MMDadoda
5/7/2019 1:22:27 PM



#70
Styrene
Concen: 20.812 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion:104 Resp: 216031
Ion Ratio Lower Upper
104 100
78 54.1 42.2 63.2
103 57.3 44.6 67.0





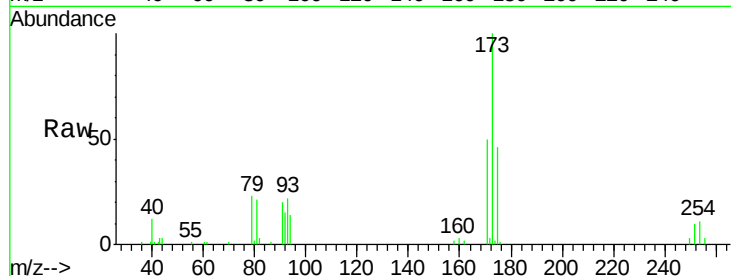
#71
Bromoform
Concen: 20.879 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

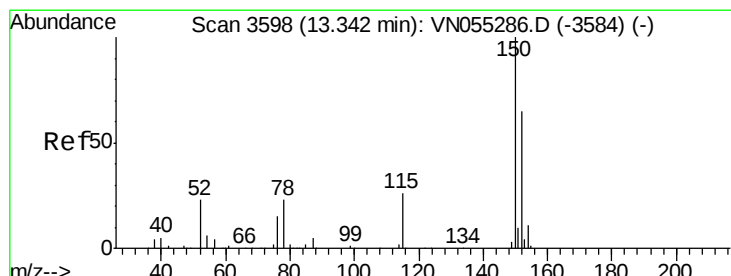
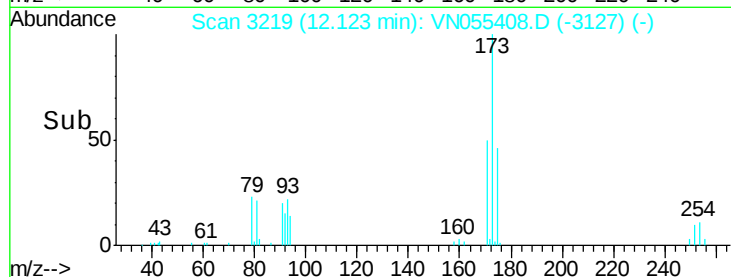
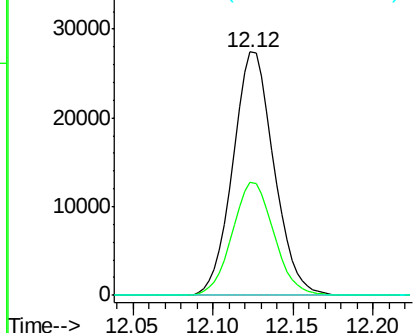
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
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5/7/2019 1:22:27 PM

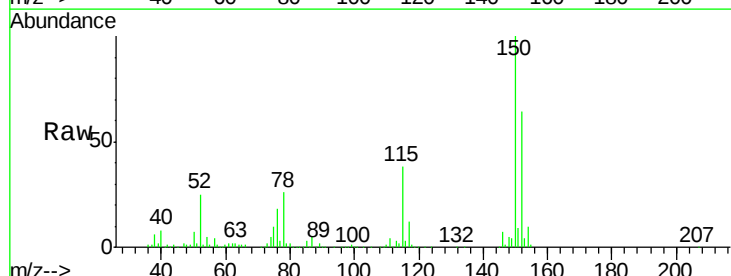


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

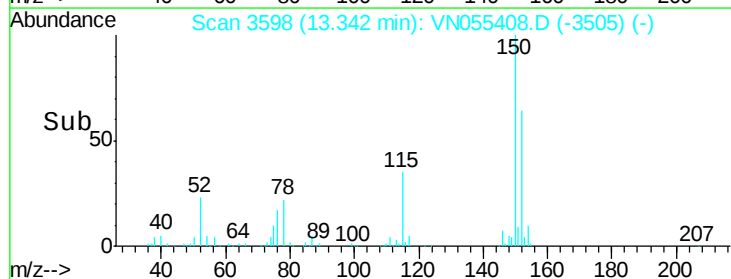
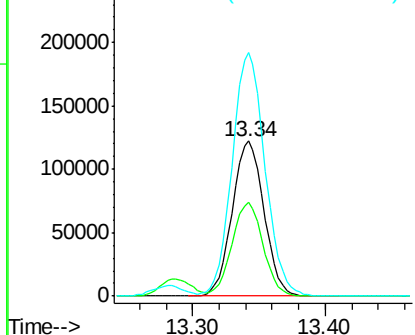


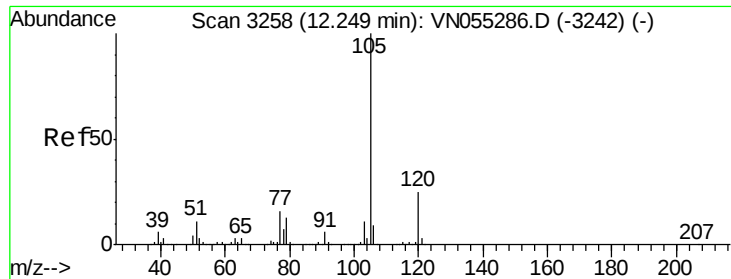
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.0	87.0
150	162.8	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: 21.136 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VN0506WBS01

Tot Ion: 105 Resp: 370929

Ion Ratio Lower Upper

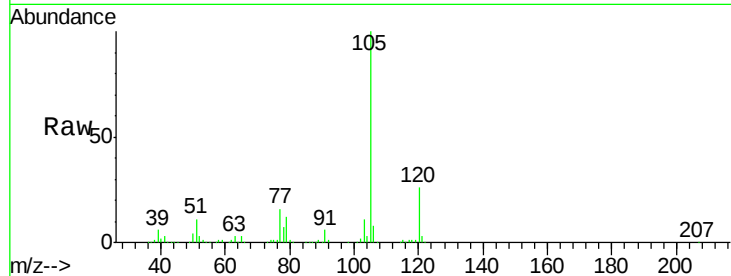
105 100

120 26.0 12.9 38.7

Manual Integrations
APPROVED

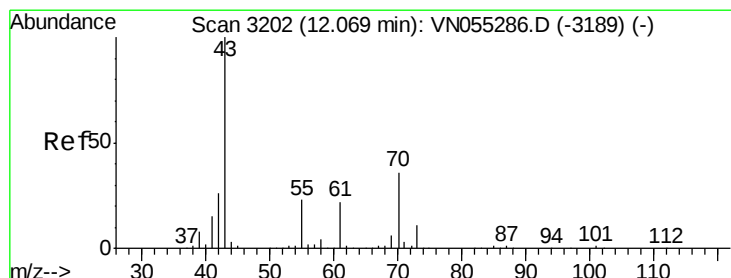
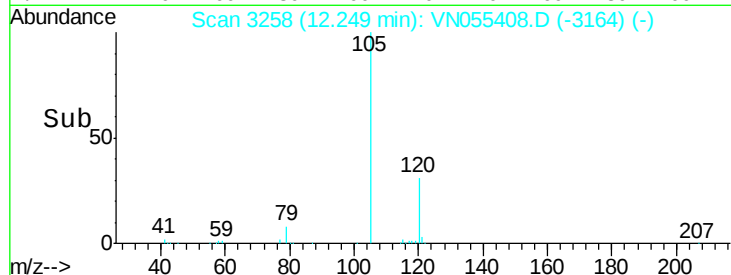
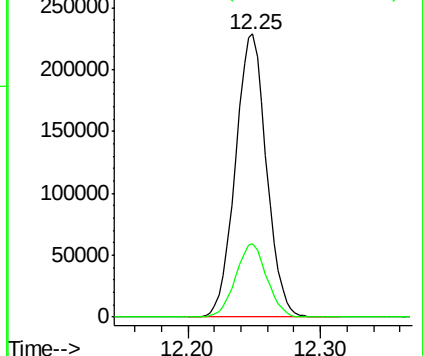
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.350 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Tgt Ion: 43 Resp: 90400

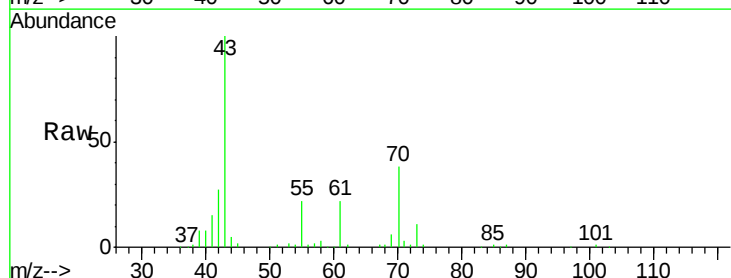
Ion Ratio Lower Upper

43 100

70 36.6 27.9 41.9

55 23.9 18.2 27.2

61 21.8 16.9 25.3

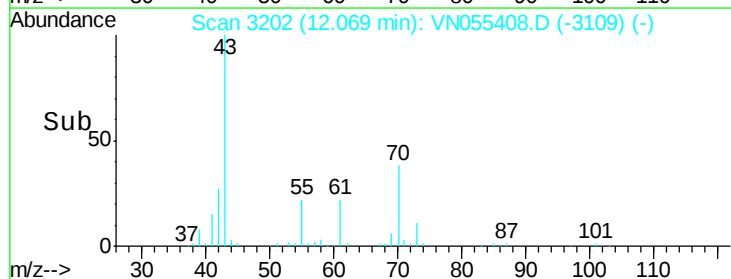
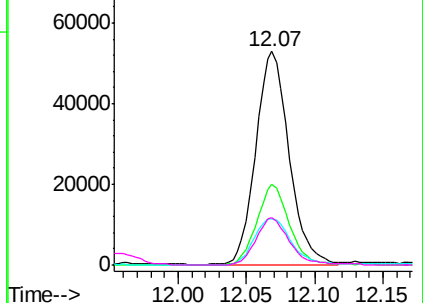


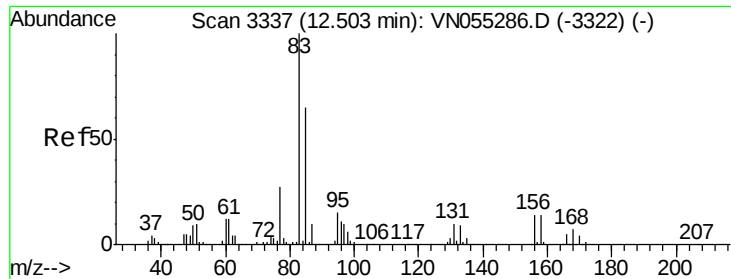
Abundance Ion 43.00 (42.70 to 43.70): V

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: 20.139 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

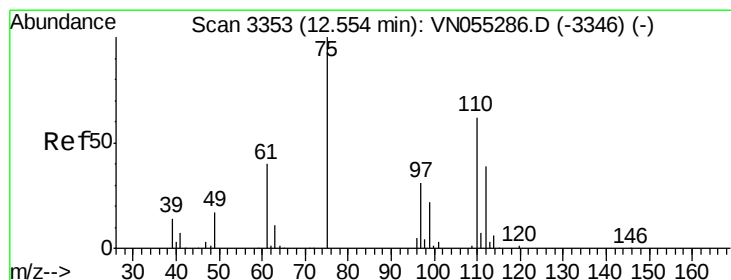
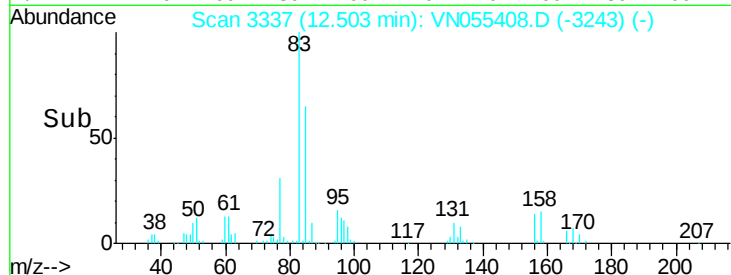
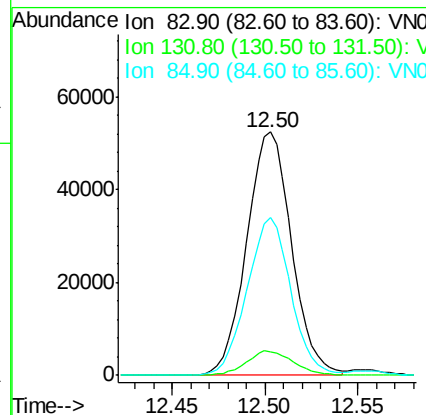
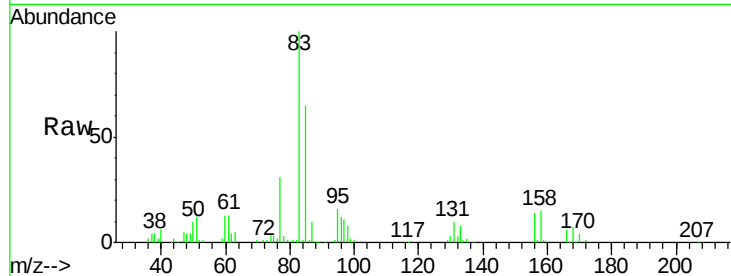
ClientSampleId :

VN0506WBS01

Tot Ion:	83	Resp:	88650
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.2
85	63.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.046 ug/l m

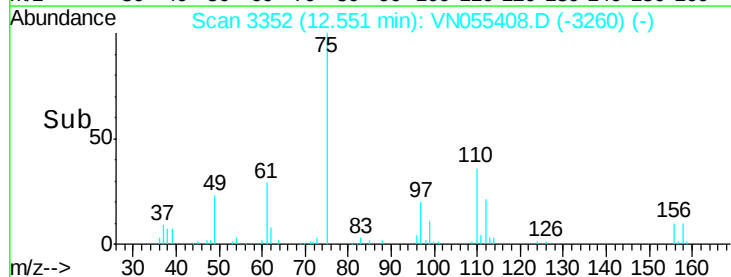
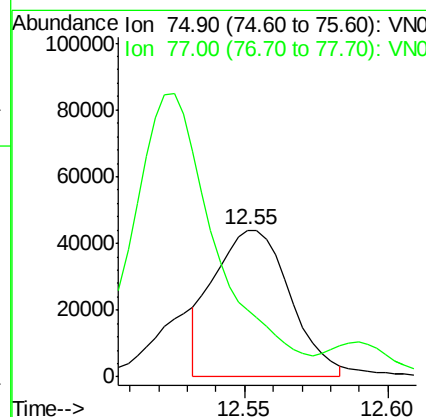
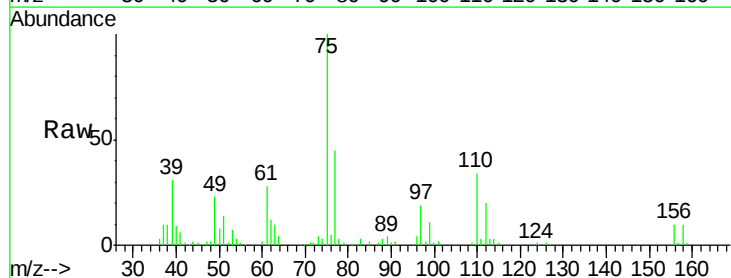
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Tgt Ion:	75	Resp:	81340
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.722 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

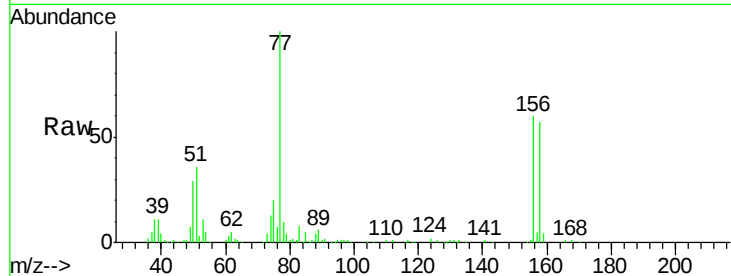
ClientSampleId :

VN0506WBS01

Tot Ion:	156	Resp:	85260
Ion	Ratio	Lower	Upper
156	100		
77	201.5	99.6	298.8
158	97.9	49.3	147.8

Manual Integrations
APPROVED

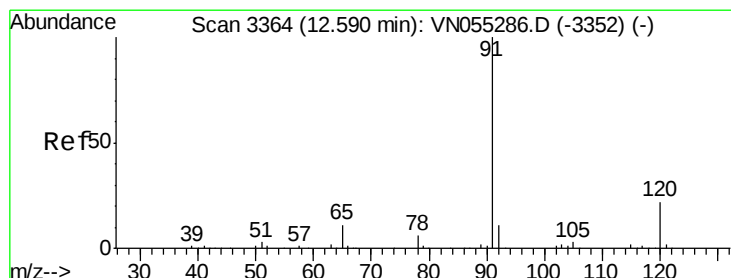
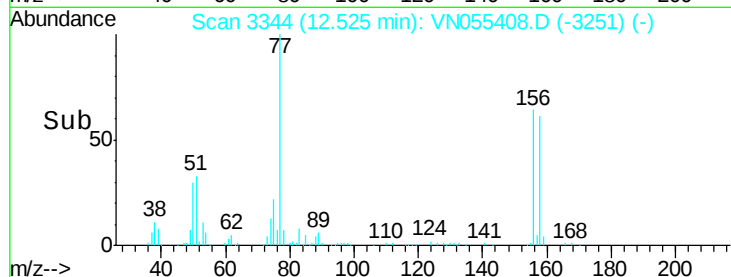
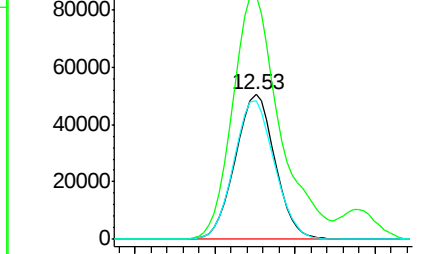
MMDadoda
5/7/2019 1:22:27 PM



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: 19.150 ug/l

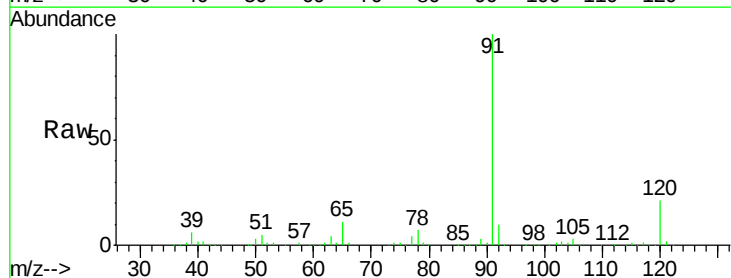
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055408.D

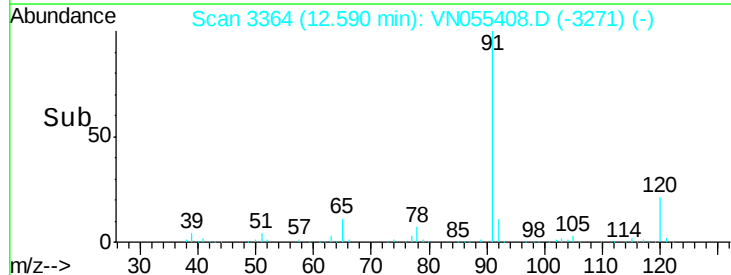
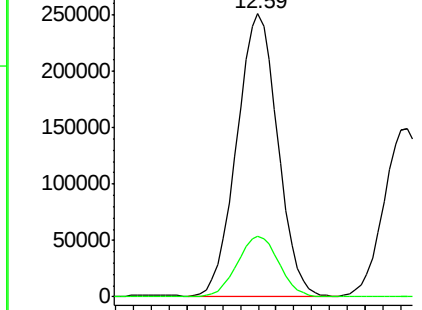
Acq: 6 May 2019 10:44

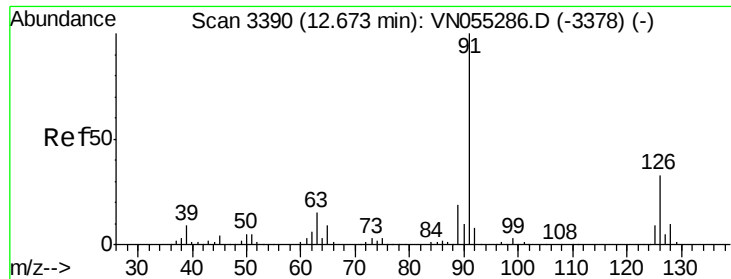
Tgt Ion:	91	Resp:	399380
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





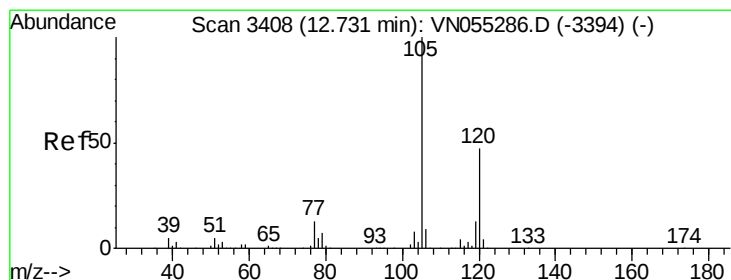
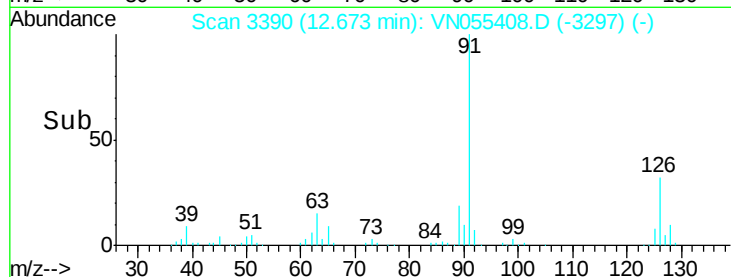
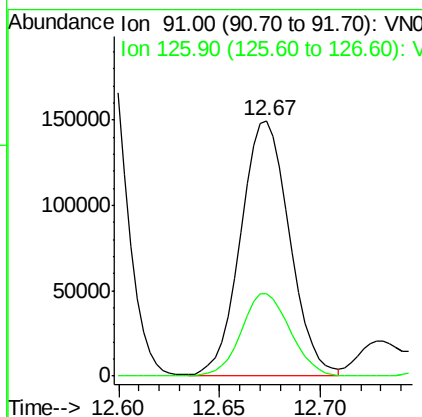
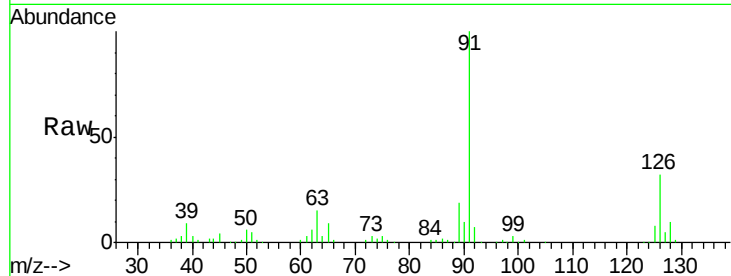
#79
 2-Chlorotoluene
 Concen: 21.406 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Tot Ion: 91 Resp: 252289
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.6 49.7

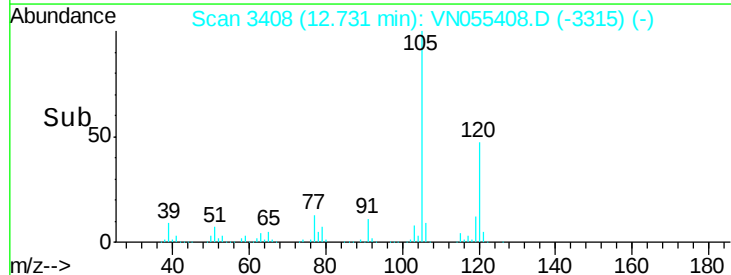
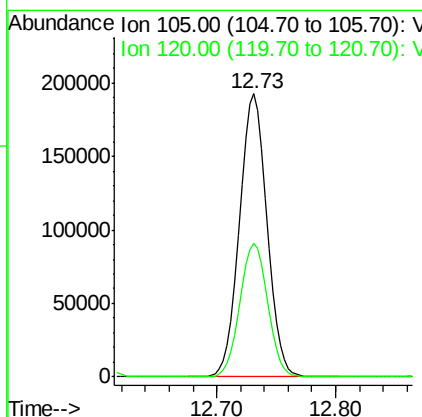
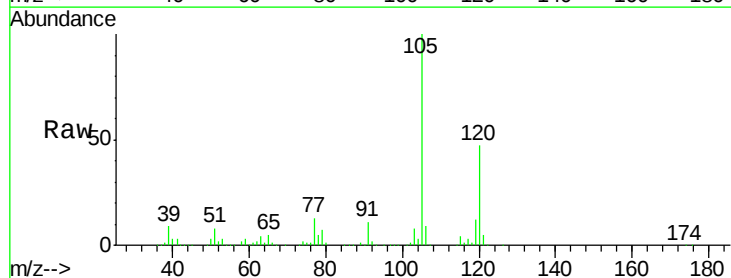
Manual Integrations
 APPROVED

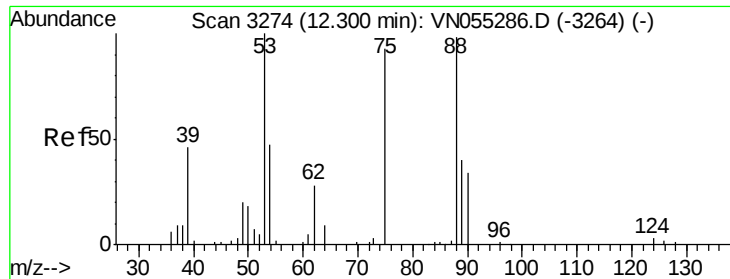
MMDadoda
 5/7/2019 1:22:27 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.381 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Tgt Ion: 105 Resp: 308473
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.4 70.0





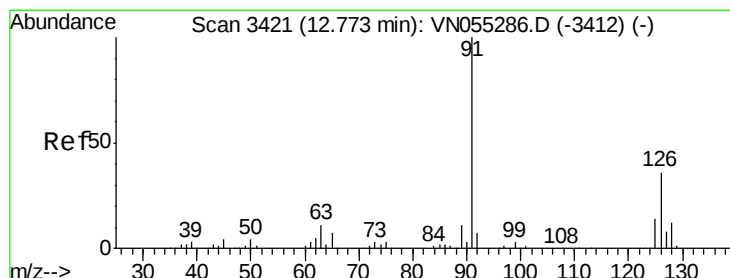
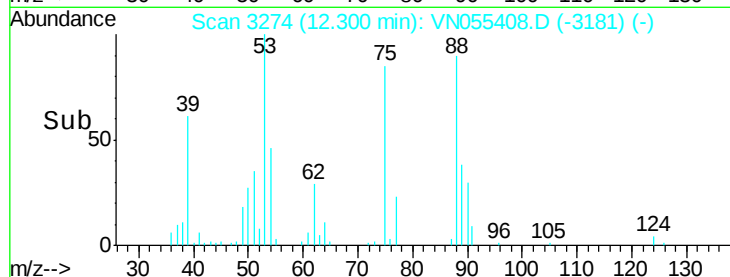
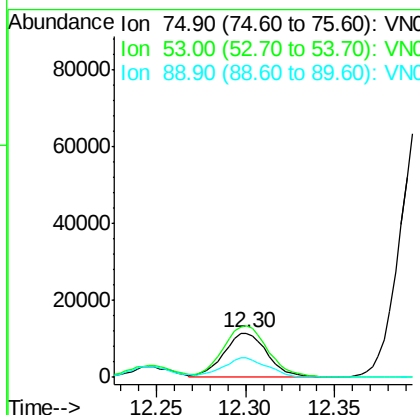
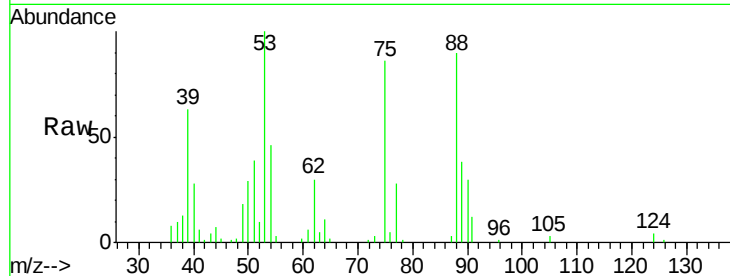
#81
trans-1,4-Dichloro-2-butene
Concen: 18.231 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.6	86.3	129.5
89	45.0	34.6	51.8

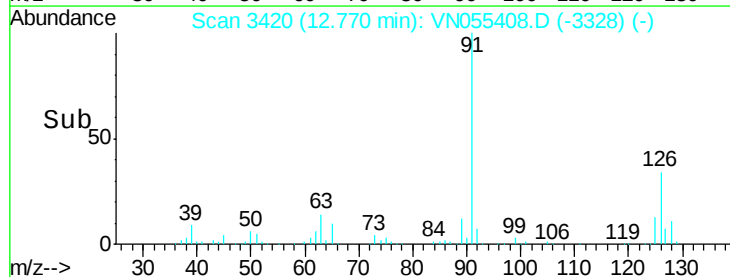
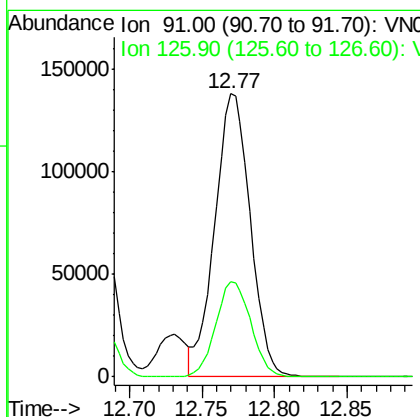
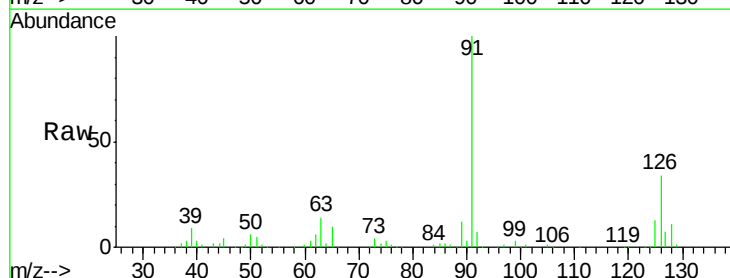
Manual Integrations
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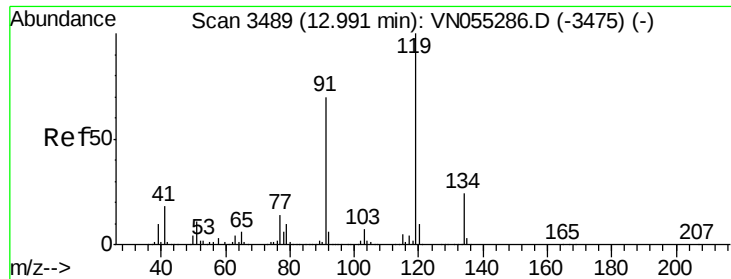
MMDadoda
5/7/2019 1:22:27 PM



#82
4-Chlorotoluene
Concen: 19.252 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.6	49.7





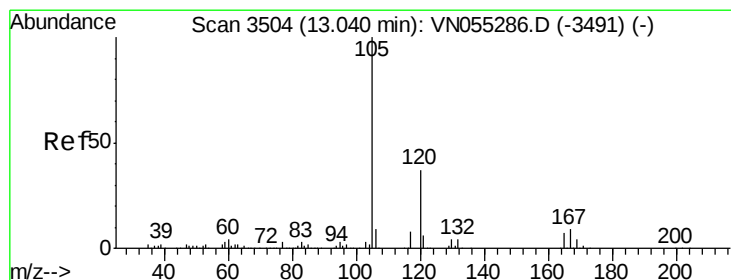
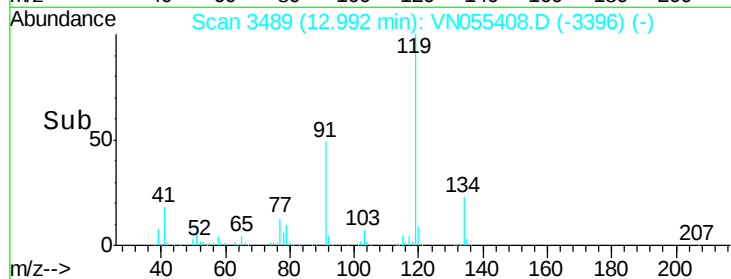
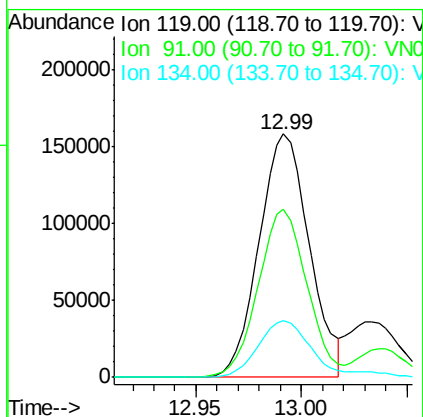
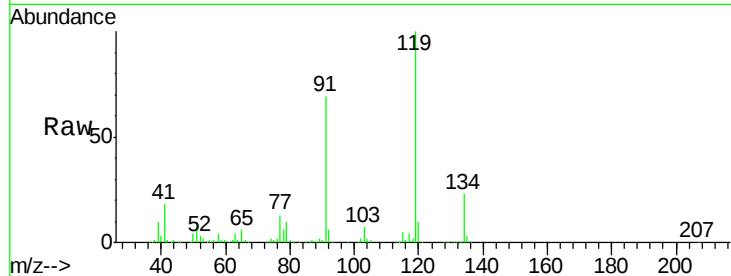
#83
tert-Butylbenzene
Concen: 21.692 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	34.3	102.9
134	25.7	13.1	39.3

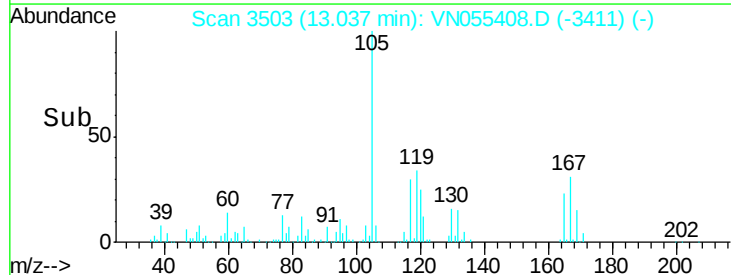
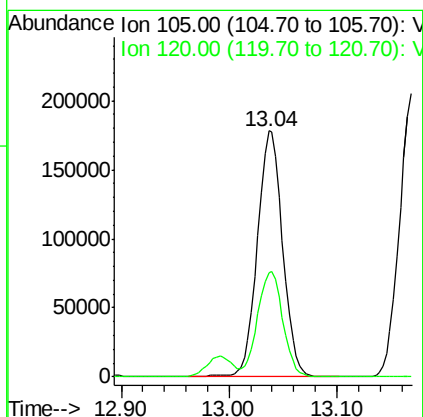
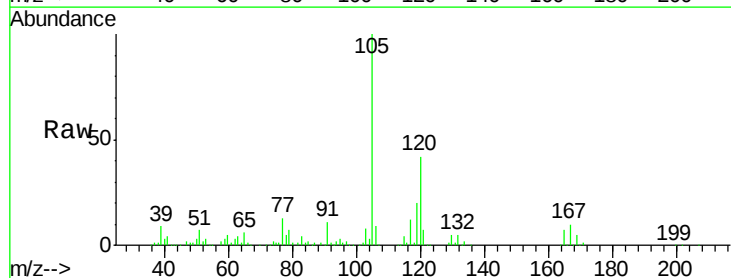
Manual Integrations
APPROVED

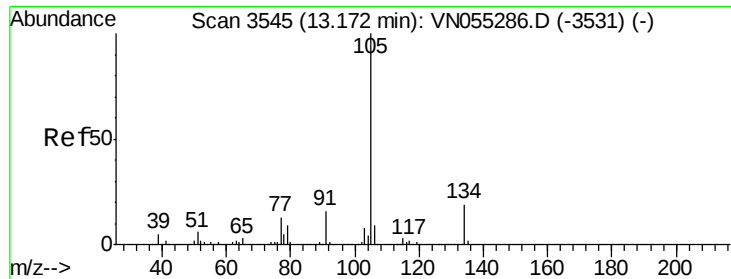
MMDadoda
5/7/2019 1:22:27 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.297 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.8	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.424 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBS01

Tot Ion:105 Resp: 336035

Ion Ratio Lower Upper

105 100

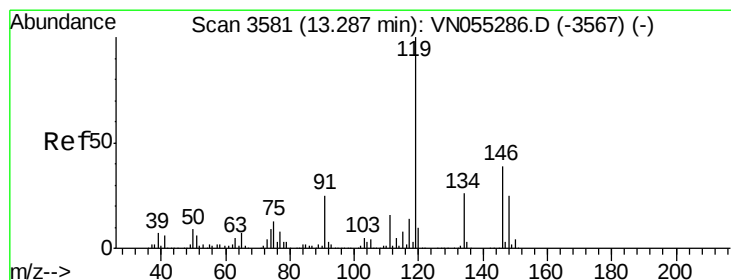
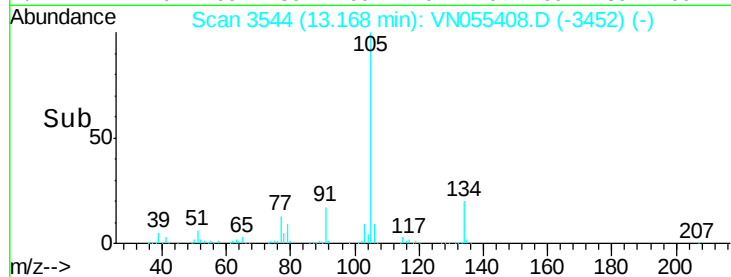
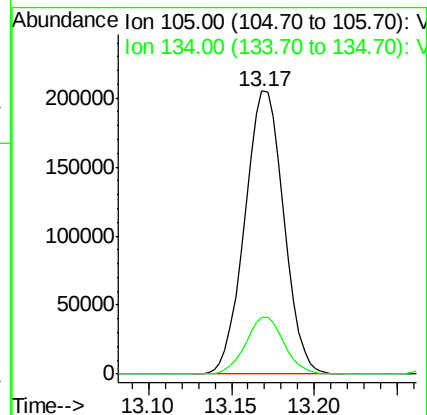
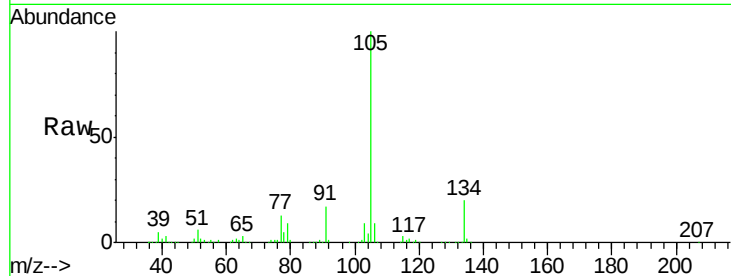
134 19.7 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.858 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

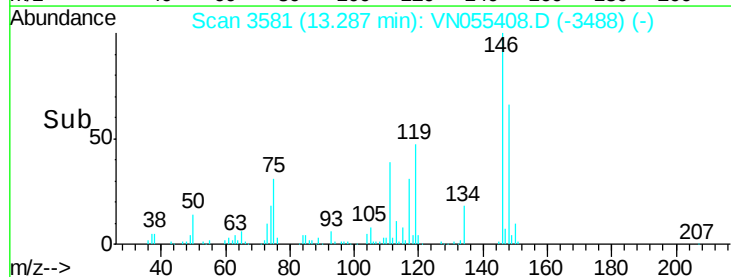
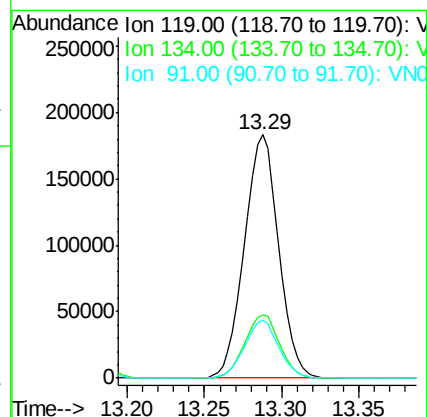
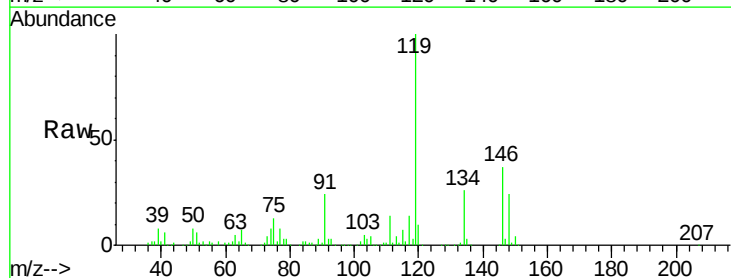
Tgt Ion:119 Resp: 282363

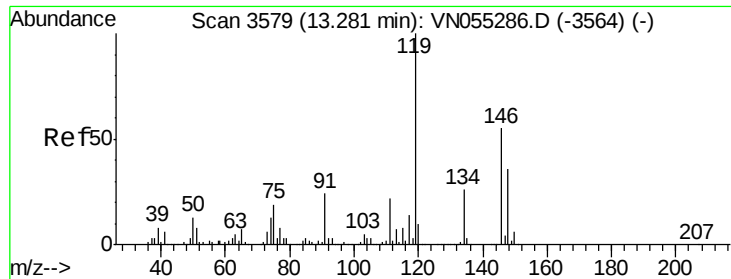
Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

91 23.9 12.2 36.6





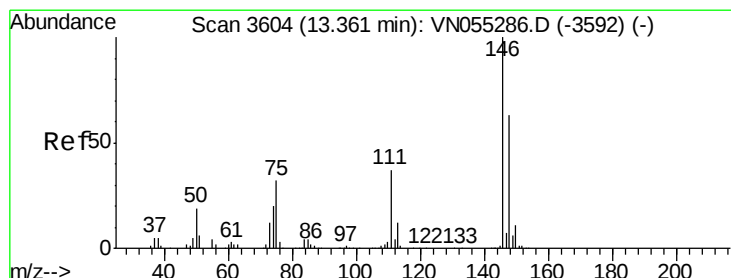
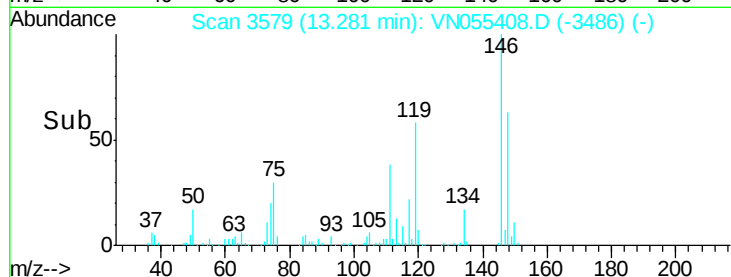
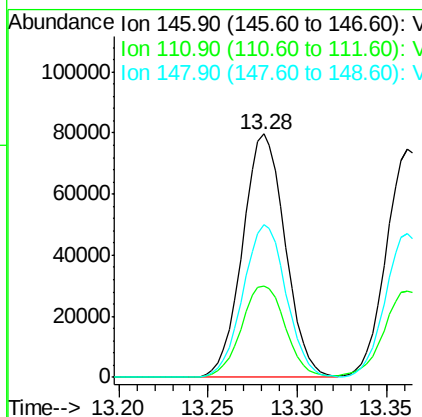
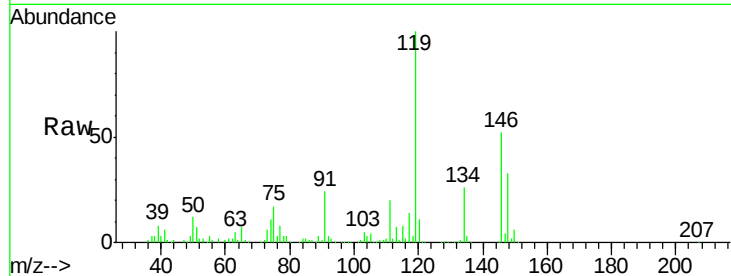
#87
 1,3-Dichlorobenzene
 Concen: 19.571 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.3	60.8
148	63.5	32.5	97.5

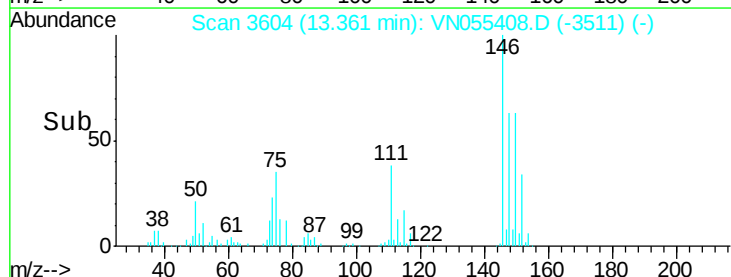
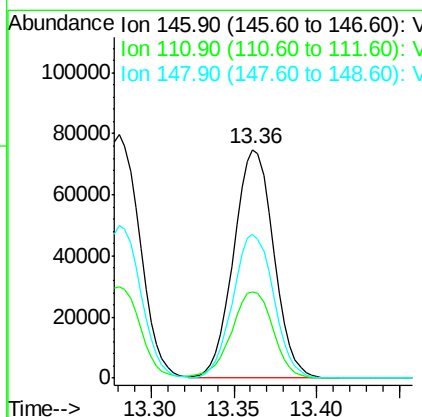
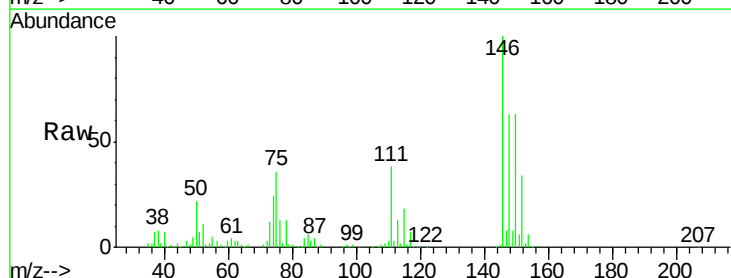
Manual Integrations
 APPROVED

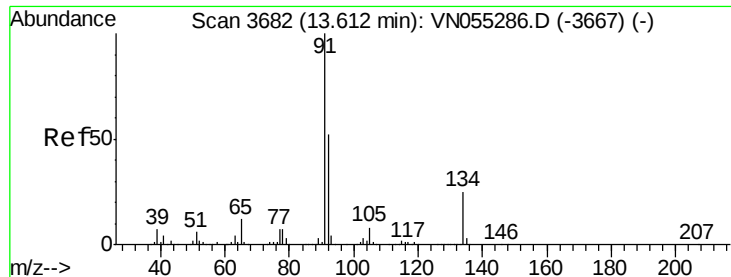
MMDadoda
 5/7/2019 1:22:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.698 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.5	58.5
148	64.5	32.5	97.4





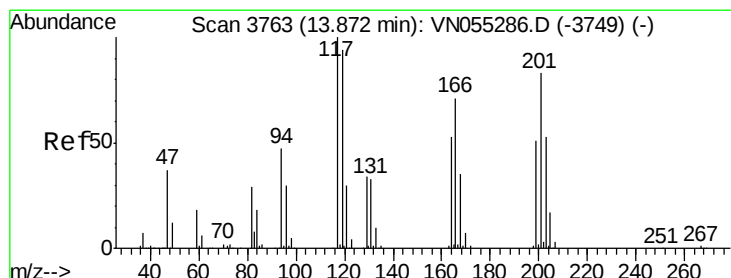
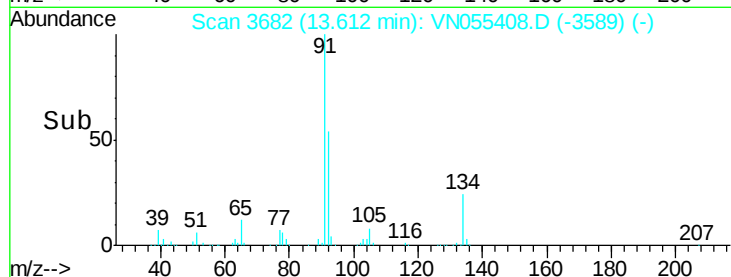
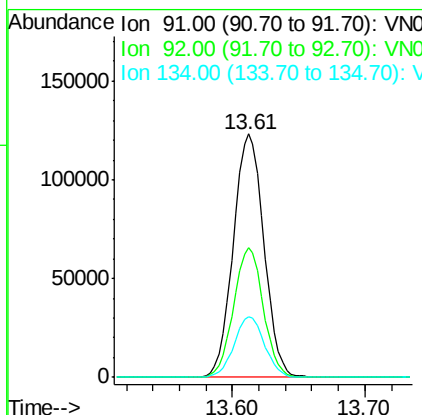
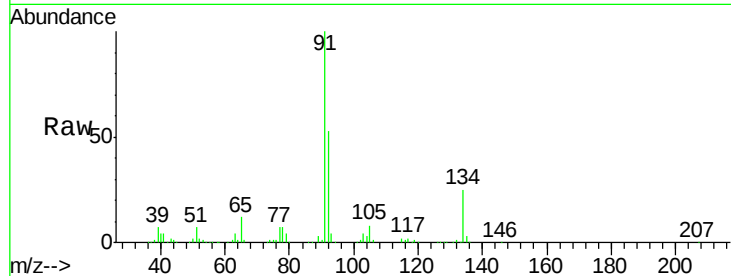
#89
n-Butylbenzene
Concen: 19.525 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.3
134	24.8	12.4	37.4

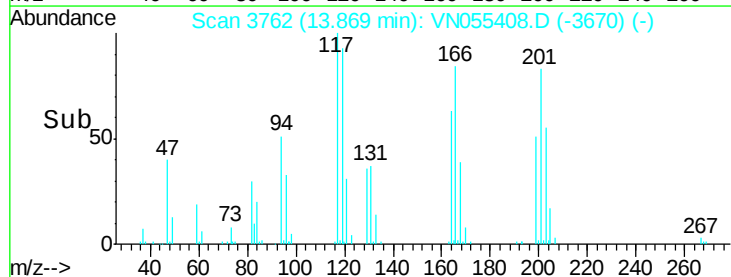
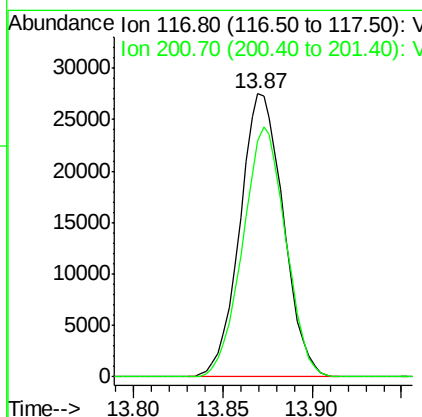
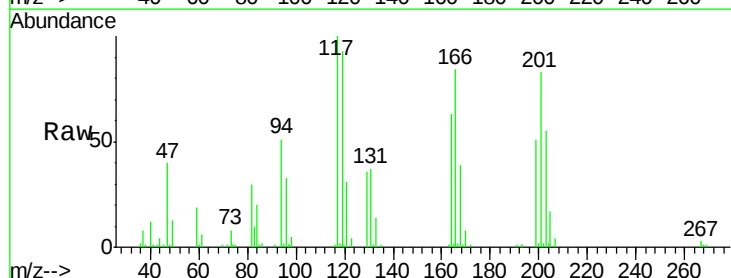
Manual Integrations
APPROVED

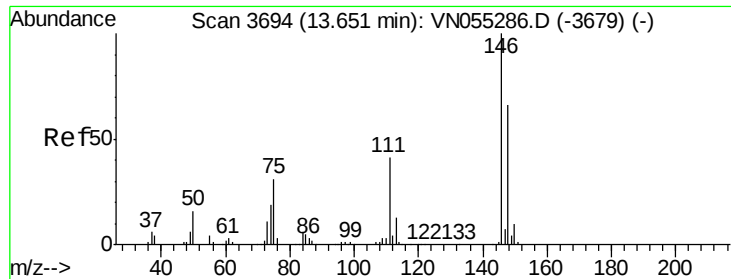
MMDadoda
5/7/2019 1:22:27 PM



#90
Hexachloroethane
Concen: 19.883 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN055408.D
Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.0	41.9	125.8





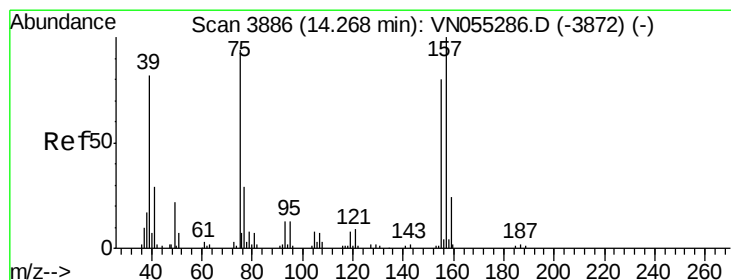
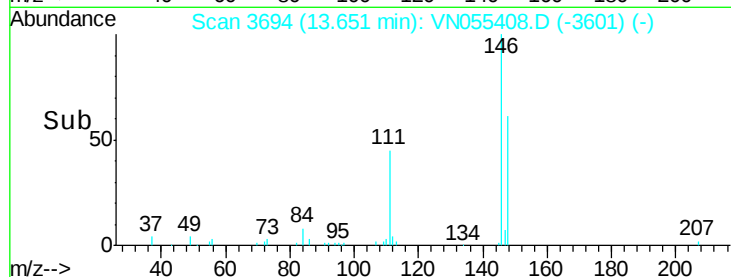
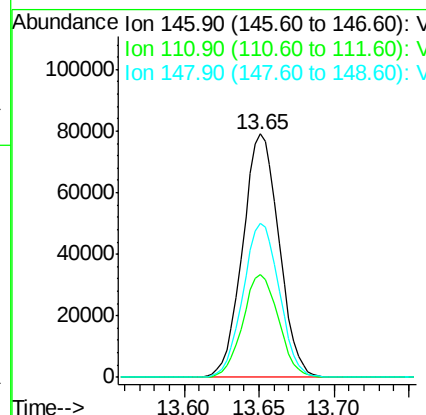
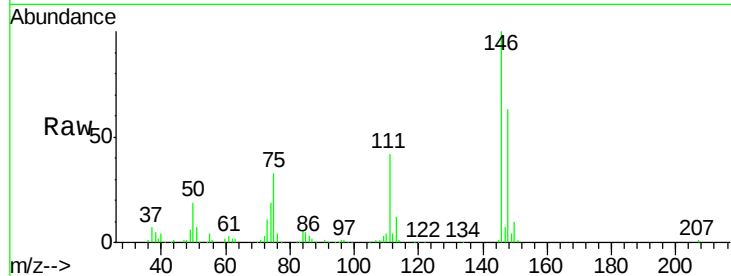
#91
 1,2-Dichlorobenzene
 Concen: 19.869 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	61.0
148	63.3	32.4	97.2

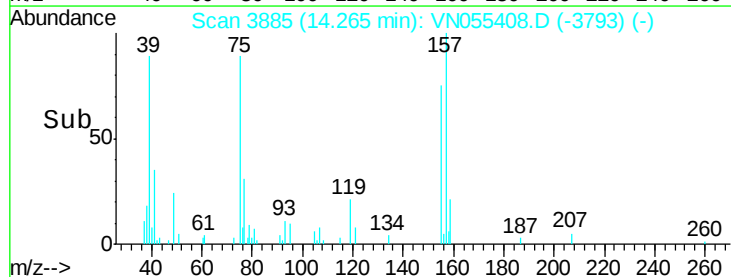
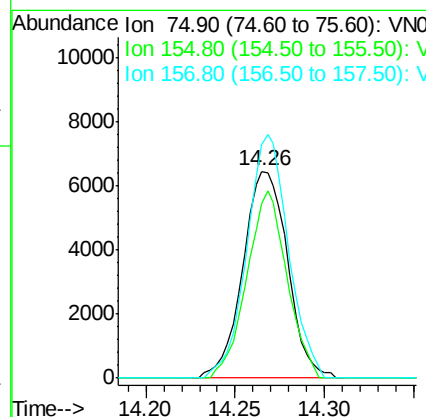
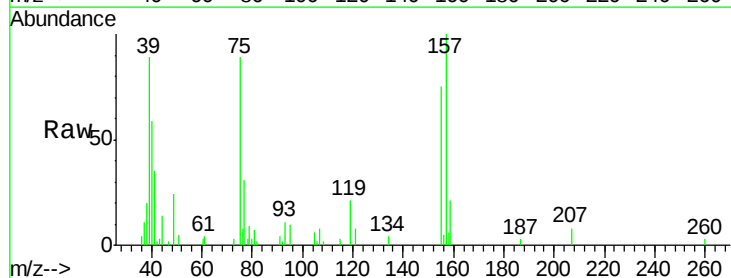
Manual Integrations
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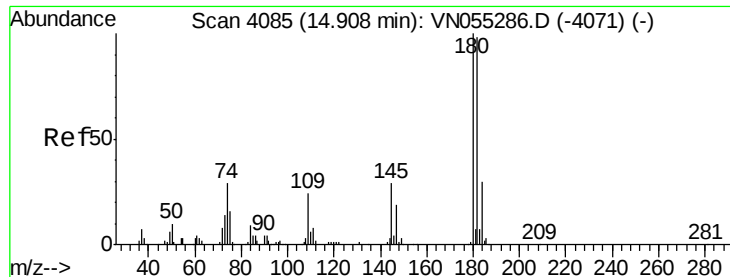
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.184 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	41.5	124.6
157	109.7	54.0	162.2





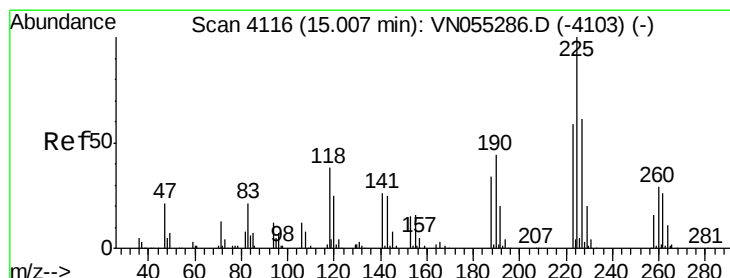
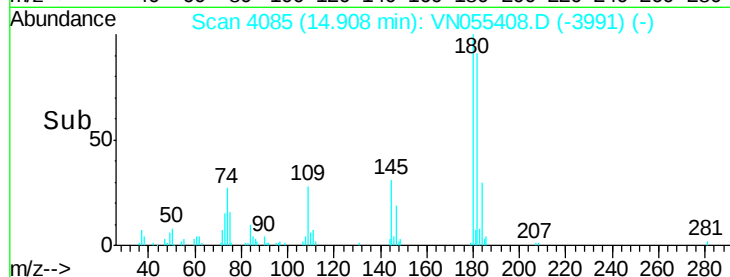
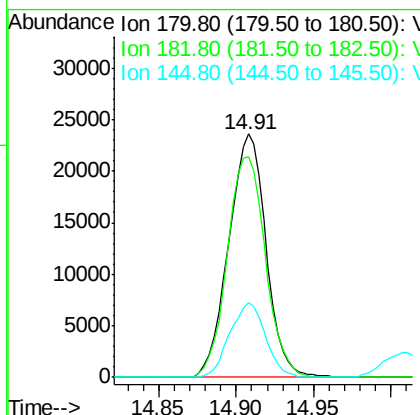
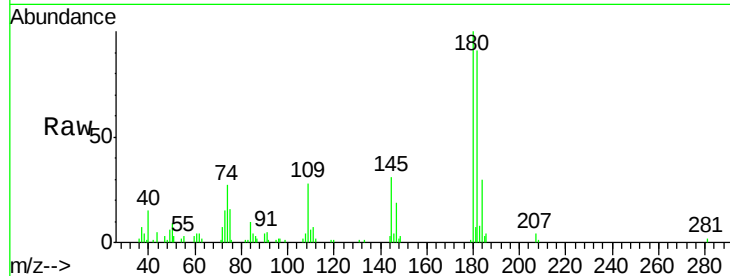
#93
 1,2,4-Trichlorobenzene
 Concen: 17.187 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	39448		
182	92.4	48.3	144.9	
145	29.2	14.2	42.6	

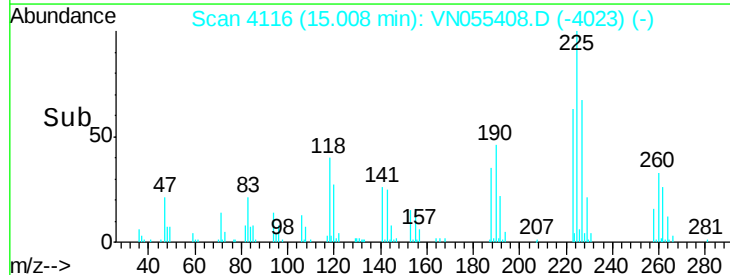
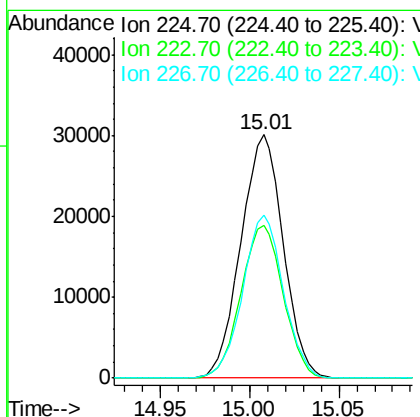
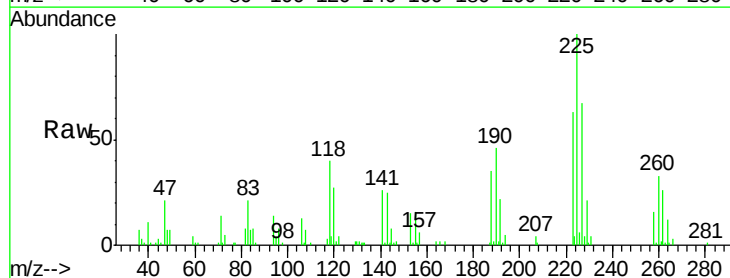
Manual Integrations
 APPROVED

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#94
 Hexachlorobutadiene
 Concen: 23.107 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055408.D
 Acq: 6 May 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49869		
223	62.5	30.3	90.8	
227	64.4	30.9	92.7	





#95

Naphthalene

Concen: 16.232 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Instrument :

MSVOA_N

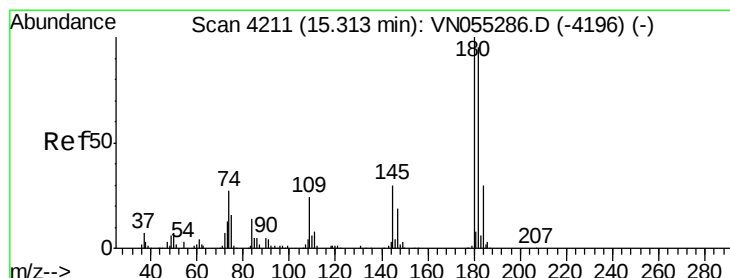
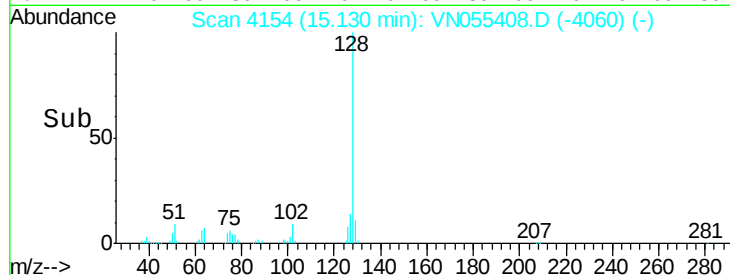
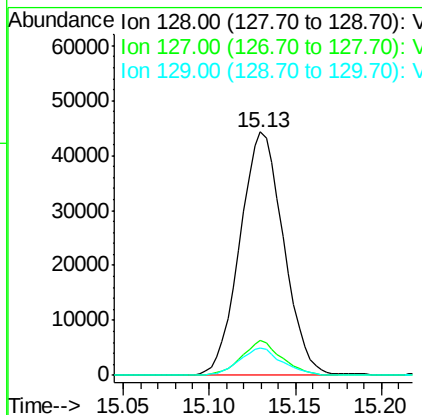
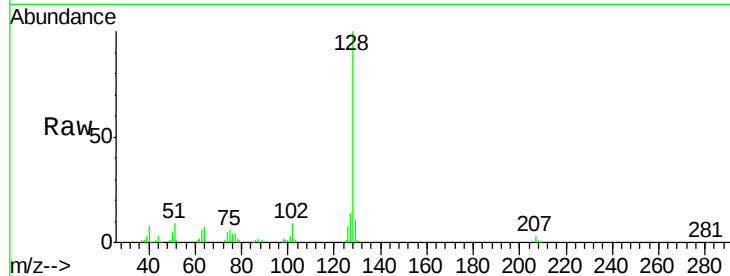
ClientSampleId :

VN0506WBS01

Tot Ion:	128	Resp:	78009
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.7	16.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/7/2019 1:22:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.018 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055408.D

Acq: 6 May 2019 10:44

Tgt Ion:	180	Resp:	42493
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.3	144.9
145	31.9	15.2	45.6

