

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
 Data File : VN055103.D
 Acq On : 17 Apr 2019 13:57
 Operator : JC/SP
 Sample : VN0417WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBSD01

Manual Integrations
 APPROVED

Quant Time: Apr 18 08:46:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	370446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	612766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	532867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214373	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	250520	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	7.59	113	204814	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.09	98	737238	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	237864	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	82706	19.645	ug/l	99
3) Chloromethane	2.06	50	107630	19.601	ug/l	99
4) Vinyl Chloride	2.19	62	89735	19.443	ug/l	97
5) Bromomethane	2.56	94	51108	19.574	ug/l	94
6) Chloroethane	2.71	64	48032	19.298	ug/l	98
7) Trichlorofluoromethane	3.02	101	115366	19.987	ug/l	100
8) Diethyl Ether	3.41	74	37444	20.323	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	58642	19.414	ug/l	98
10) Methyl Iodide	3.94	142	86803	18.518	ug/l	99
11) Tert butyl alcohol	4.82	59	27792m	102.968	ug/l	
12) 1,1-Dichloroethene	3.73	96	56405	19.184	ug/l	99
13) Acrolein	3.61	56	27584	82.680	ug/l	99
14) Allyl chloride	4.31	41	144867	20.129	ug/l	100
15) Acrylonitrile	4.99	53	167391	103.656	ug/l	100
16) Acetone	3.82	43	116362	87.065	ug/l	98
17) Carbon Disulfide	4.04	76	167929	17.693	ug/l	100
18) Methyl Acetate	4.33	43	82882	21.265	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	218371	20.762	ug/l	98
20) Methylene Chloride	4.54	84	91647	19.507	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	78237	19.674	ug/l	97
22) Diisopropyl ether	5.96	45	306832	20.739	ug/l	96
23) Vinyl Acetate	5.90	43	1038266	106.169	ug/l	100
24) 1,1-Dichloroethane	5.84	63	162445	20.618	ug/l	99
25) 2-Butanone	6.85	43	193685	97.099	ug/l	98
26) 2,2-Dichloropropane	6.82	77	96221	19.350	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	92016	20.453	ug/l	99
28) Bromochloromethane	7.19	49	82128	21.624	ug/l	100
29) Tetrahydrofuran	7.22	42	133614	102.146	ug/l	99
30) Chloroform	7.37	83	158083	20.656	ug/l	99
31) Cyclohexane	7.65	56	144982	20.066	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	122239	20.161	ug/l	99
36) 1,1-Dichloropropene	7.79	75	111343	19.275	ug/l	98
37) Ethyl Acetate	6.94	43	85200	18.117	ug/l	98
38) Carbon Tetrachloride	7.77	117	103721	18.873	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	117615	18.790	ug/l	99
40) Benzene	8.04	78	342185	19.655	ug/l	100
41) Methacrylonitrile	7.18	41	50241	19.246	ug/l	98
42) 1,2-Dichloroethane	8.12	62	119520	19.773	ug/l	99
43) Isopropyl Acetate	8.17	43	146890	20.271	ug/l	99
44) Trichloroethene	8.83	130	86575	19.854	ug/l	98
45) 1,2-Dichloropropane	9.12	63	97534	20.088	ug/l	99
46) Dibromomethane	9.21	93	56809	20.556	ug/l	99
47) Bromodichloromethane	9.40	83	113818	19.976	ug/l	99
48) Methyl methacrylate	9.20	41	72341	20.142	ug/l	99
49) 1,4-Dioxane	9.20	88	16595	493.173	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	428798	102.428	ug/l	98
52) Toluene	10.16	92	204220	20.481	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	100241	20.132	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	126413	20.455	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	77093	20.068	ug/l	97
56) Ethyl methacrylate	10.43	69	95947	20.811	ug/l	97
57) 1,3-Dichloropropane	10.71	76	129552	19.807	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	177124	94.448	ug/l	99
59) 2-Hexanone	10.75	43	260275	98.986	ug/l	97
60) Dibromochloromethane	10.90	129	77116	20.557	ug/l	100
61) 1,2-Dibromoethane	11.01	107	73676	20.836	ug/l	97
64) Tetrachloroethene	10.63	164	82423	19.022	ug/l	95
65) Chlorobenzene	11.43	112	211598	19.727	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	78194	19.821	ug/l	99
67) Ethyl Benzene	11.51	91	378893	19.780	ug/l	98
68) m/p-Xylenes	11.62	106	277357	39.986	ug/l	99
69) o-Xylene	11.95	106	136617	20.335	ug/l	100
70) Styrene	11.96	104	220966	20.319	ug/l	98
71) Bromoform	12.12	173	45328	20.046	ug/l	# 100
73) Isopropylbenzene	12.25	105	364217	19.146	ug/l	99
74) N-amyl acetate	12.07	43	109528	20.454	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	99939	19.634	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	77004m	19.975	ug/l	
77) Bromobenzene	12.53	156	89689	18.912	ug/l	98
78) n-propylbenzene	12.59	91	394072	19.174	ug/l	99
79) 2-Chlorotoluene	12.67	91	249233	19.442	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	297318	19.368	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18901	19.607	ug/l	98
82) 4-Chlorotoluene	12.77	91	238175	19.914	ug/l	98
83) tert-Butylbenzene	12.99	119	254956	19.666	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	287502	19.762	ug/l	100
85) sec-Butylbenzene	13.17	105	328321	19.874	ug/l	100
86) p-Isopropyltoluene	13.29	119	281743	19.879	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	142664	19.791	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	135140	19.660	ug/l	98
89) n-Butylbenzene	13.61	91	203839	19.374	ug/l	100
90) Hexachloroethane	13.87	117	43890	19.032	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	144975	19.989	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12205	19.472	ug/l	97

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Quant Title : SW846 8260
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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	52768	17.868	ug/l	98
94) Hexachlorobutadiene	15.01	225	46336	20.685	ug/l	99
95) Naphthalene	15.13	128	115343	17.153	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	56839	20.315	ug/l	99

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

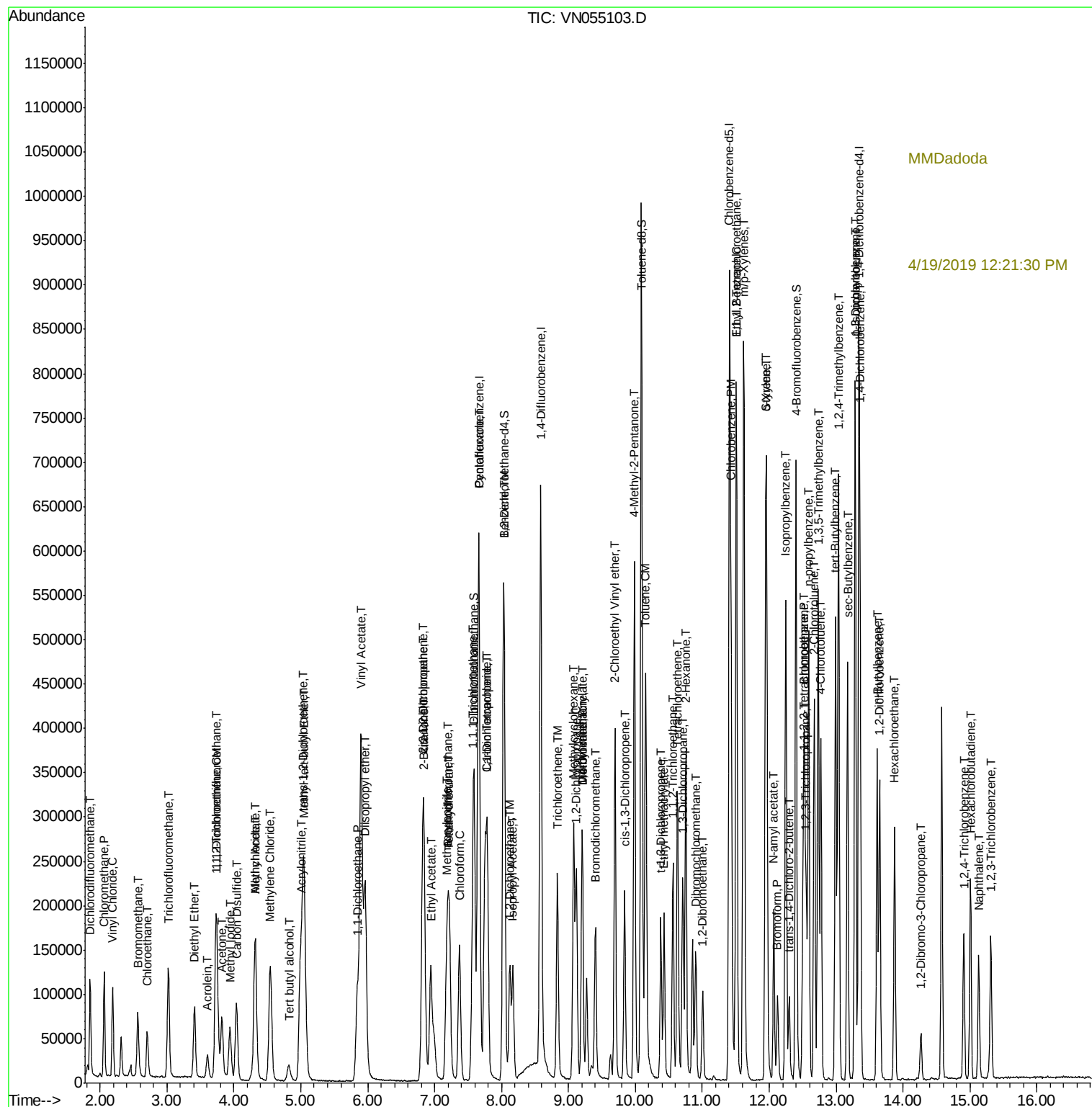
4/19/2019 12:21:30 PM

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041719\
Data File : VN055103.D
Acq On : 17 Apr 2019 13:57
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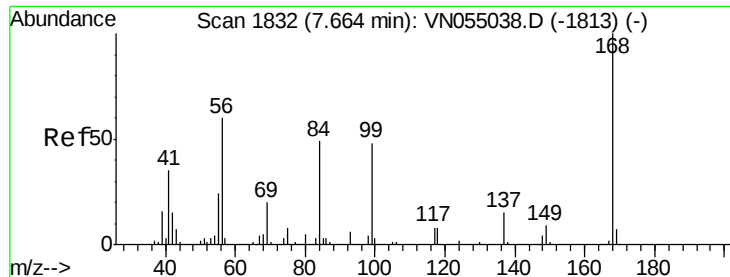
Manual Integrations
APPROVED

Quant Time: Apr 18 08:46:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

MSVOA_N

ClientSampled :

VN0417WBSD01

Tot Ion:168 Resp: 370446

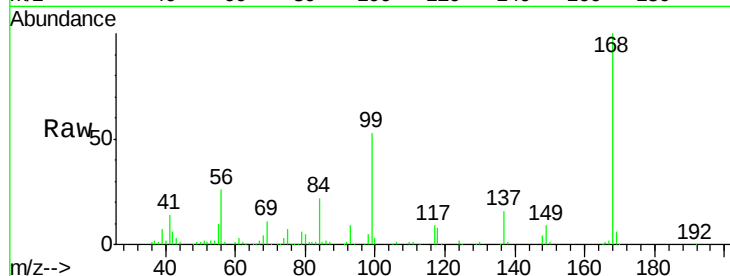
Ion Ratio Lower Upper

168 100

99 51.3 41.9 62.9

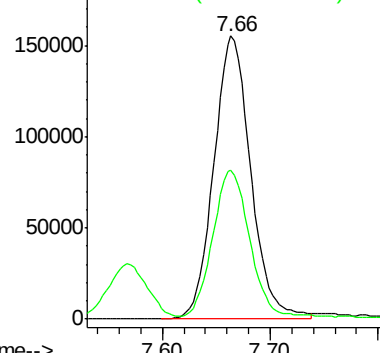
Manual Integrations

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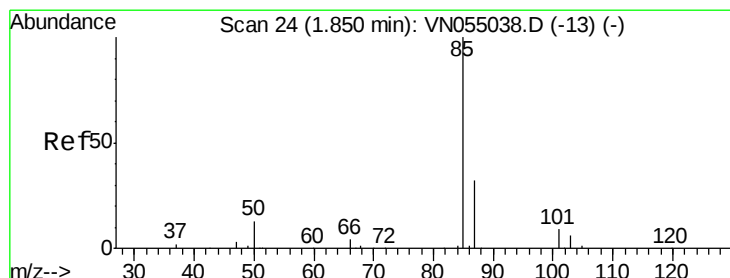
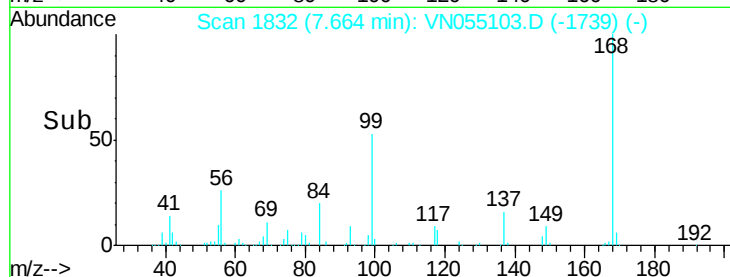
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



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#2

Dichlorodifluoromethane

Concen: 19.645 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055103.D

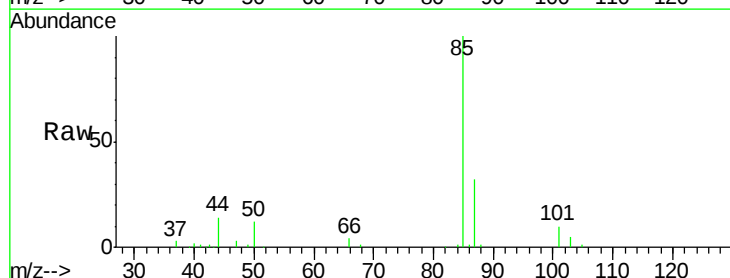
Acq: 17 Apr 2019 13:57

Tgt Ion: 85 Resp: 82706

Ion Ratio Lower Upper

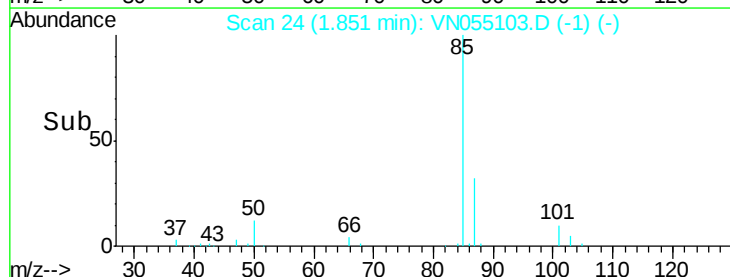
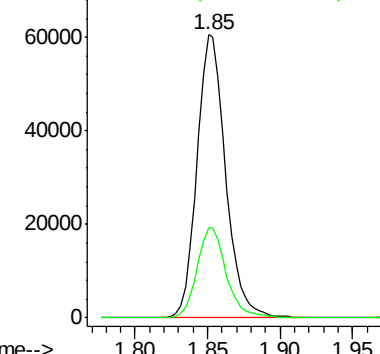
85 100

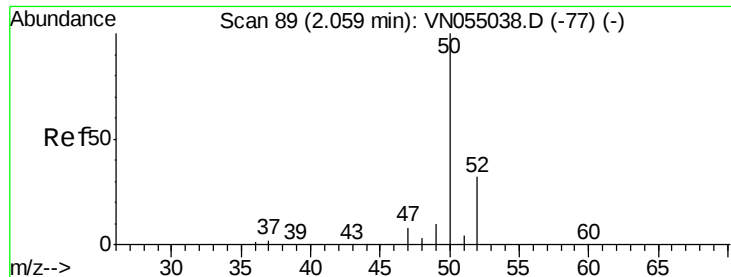
87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.601 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

MSVOA_N

ClientSampled :

VN0417WBSD01

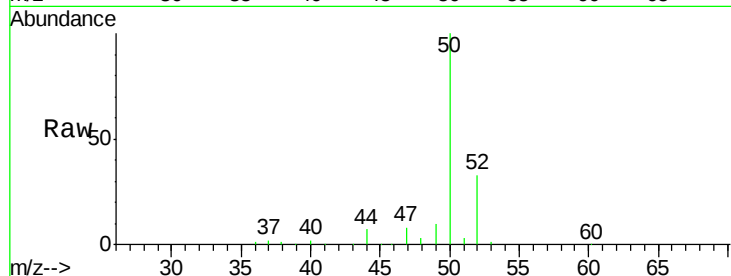
Tot Ion: 50 Resp: 107630

Ion Ratio Lower Upper

50 100

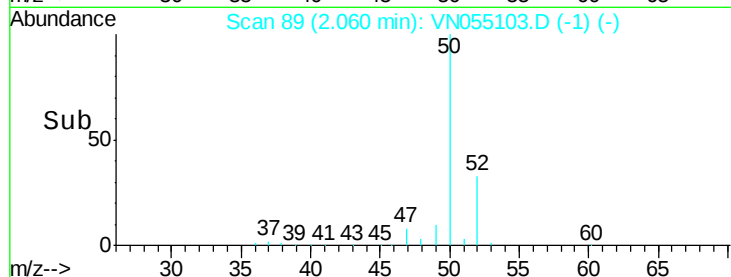
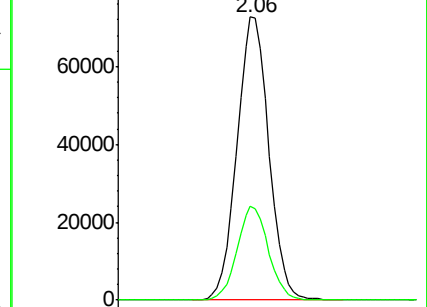
52 33.0 26.6 40.0

Manual Integrations
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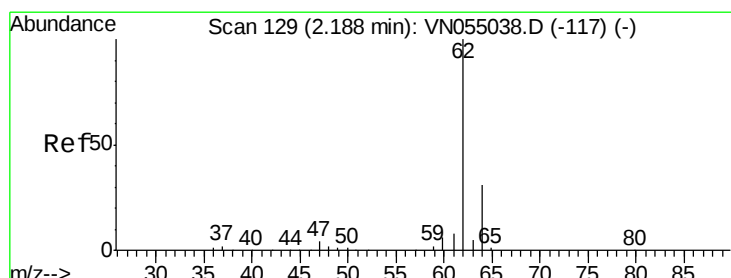
Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



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#4

Vinyl Chloride

Concen: 19.443 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055103.D

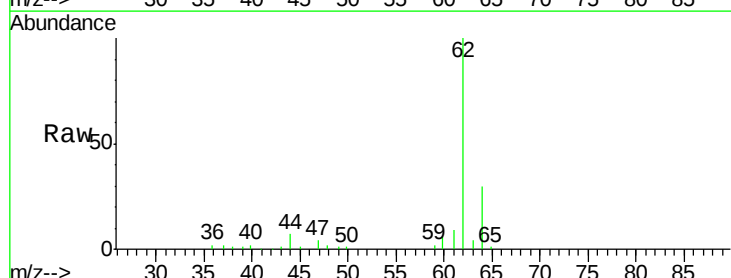
Acq: 17 Apr 2019 13:57

Tgt Ion: 62 Resp: 89735

Ion Ratio Lower Upper

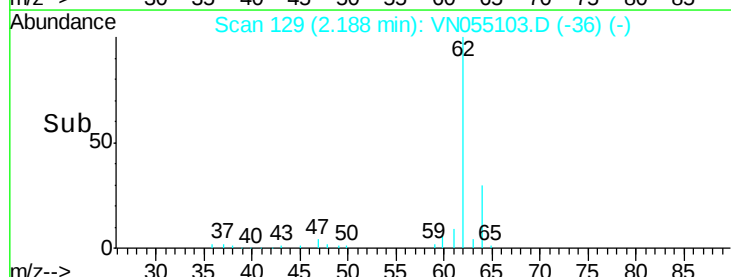
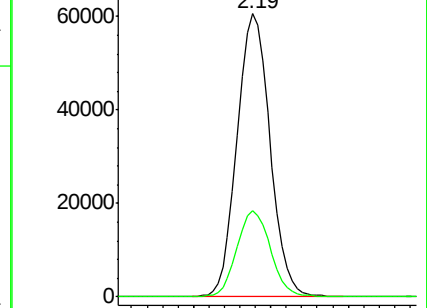
62 100

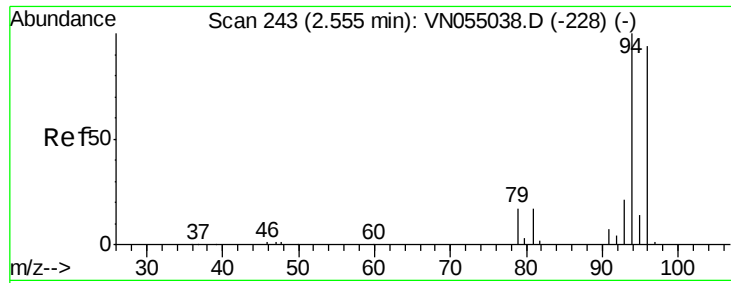
64 30.3 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.574 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Tot Ion: 94 Resp: 51108

Ion Ratio Lower Upper

94 100

96 89.4 76.2 114.4

Instrument :

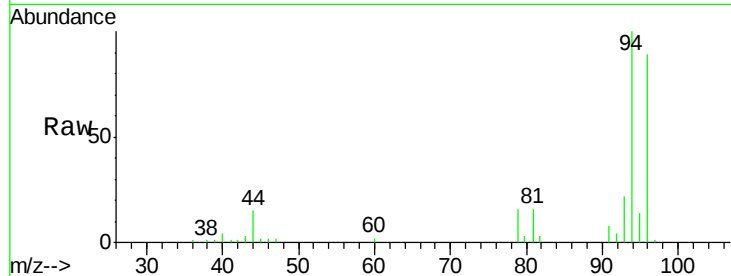
MSVOA_N

ClientSampled :

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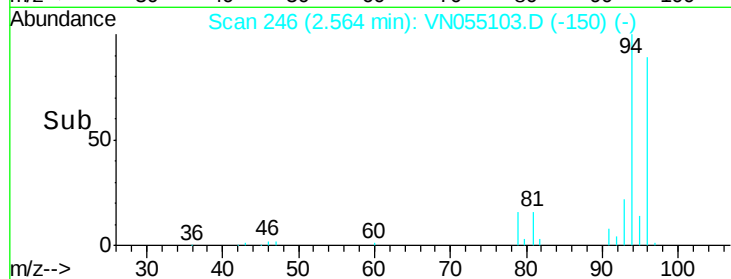
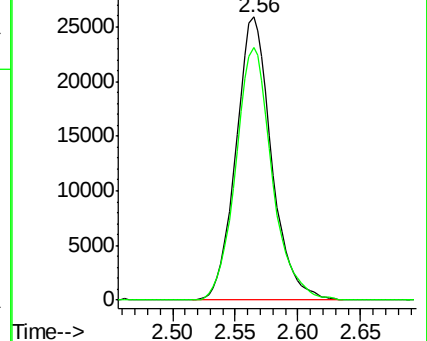
Manual Integrations

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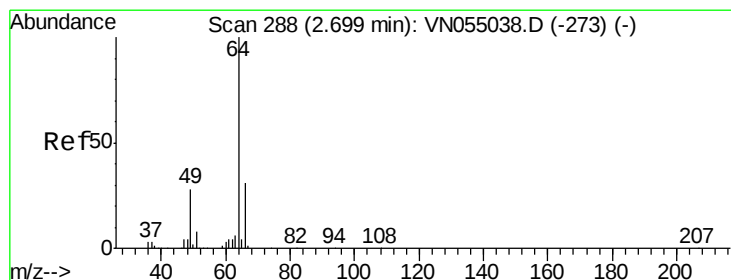
Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



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#6

Chloroethane

Concen: 19.298 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055103.D

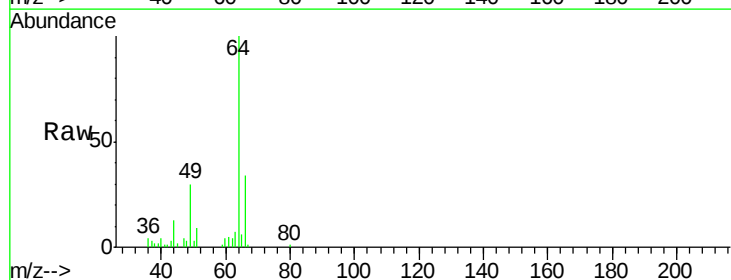
Acq: 17 Apr 2019 13:57

Tgt Ion: 64 Resp: 48032

Ion Ratio Lower Upper

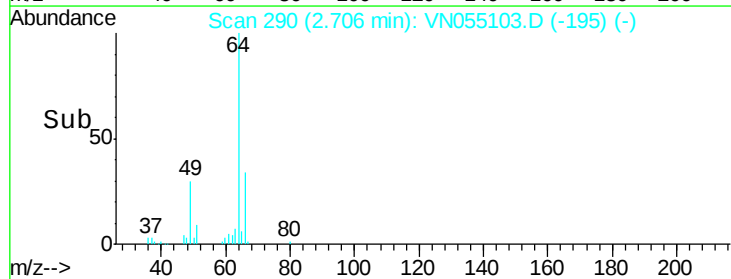
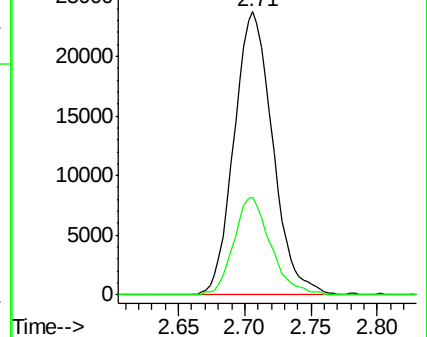
64 100

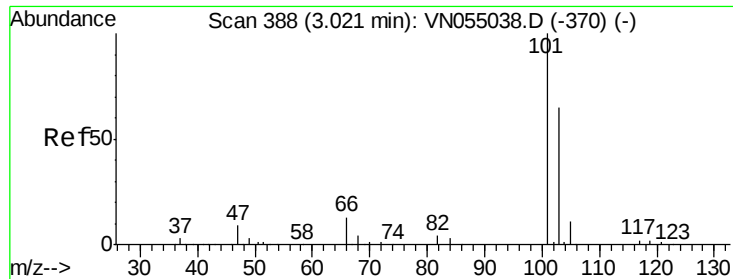
66 34.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





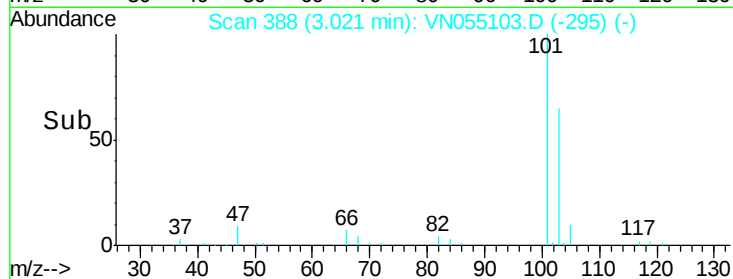
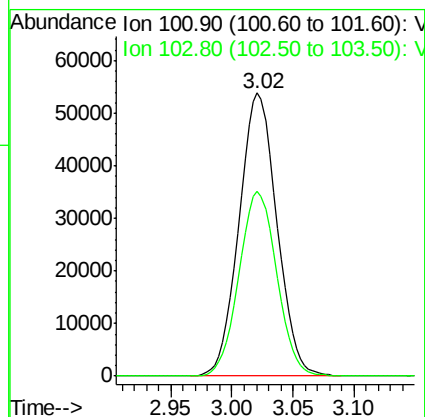
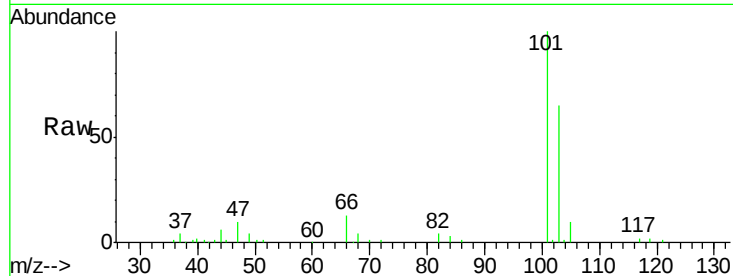
#7

Trichlorofluoromethane
Concen: 19.987 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

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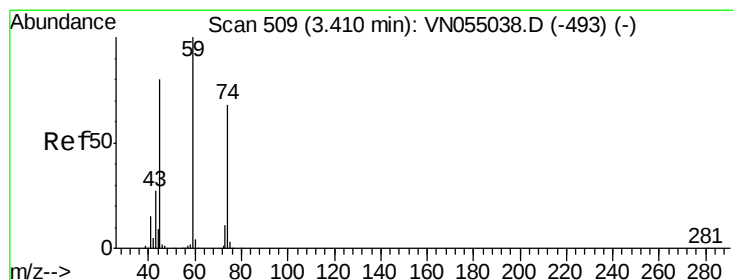
Tot Ion:101 Resp: 115366
Ion Ratio Lower Upper
101 100
103 65.3 52.5 78.7

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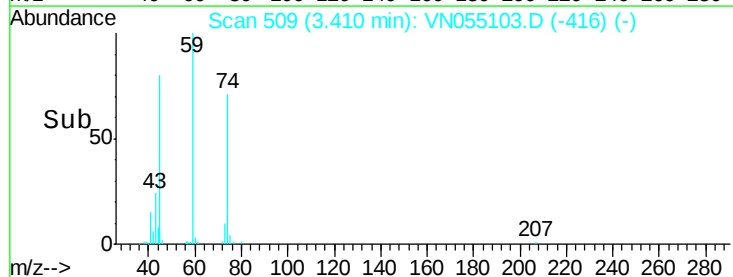
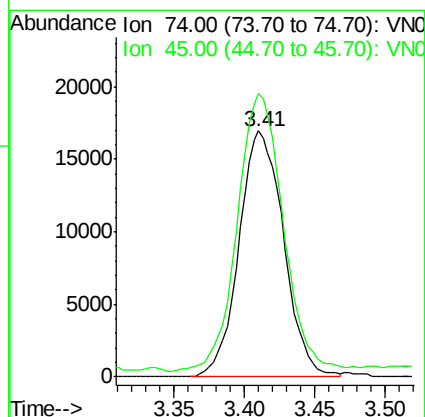
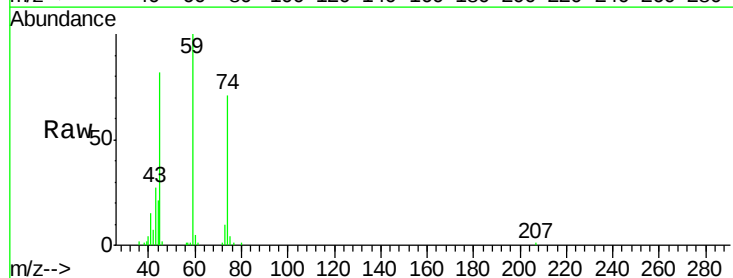
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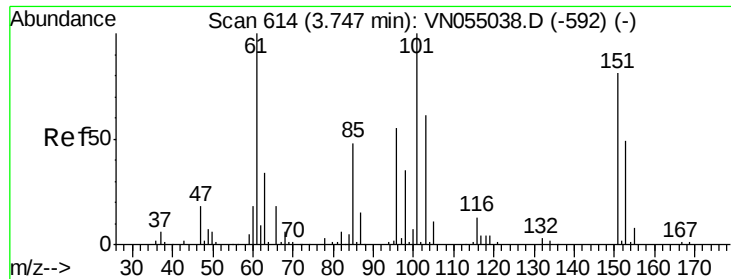


#8

Diethyl Ether
Concen: 20.323 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion: 74 Resp: 37444
Ion Ratio Lower Upper
74 100
45 116.3 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.414 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

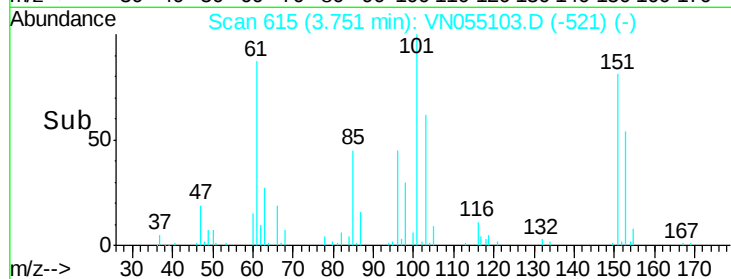
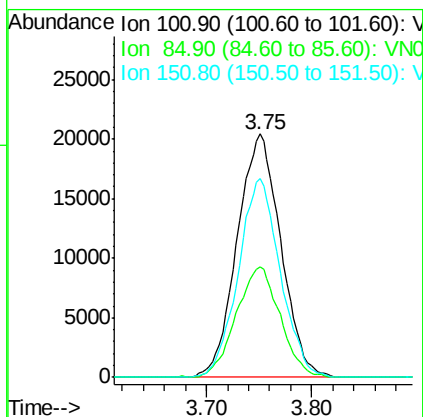
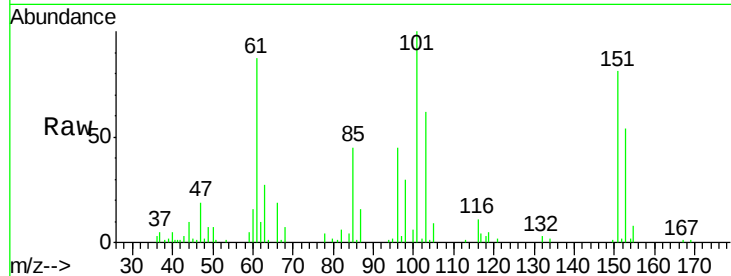
MSVOA_N

ClientSampleId :

VN0417WBSD01

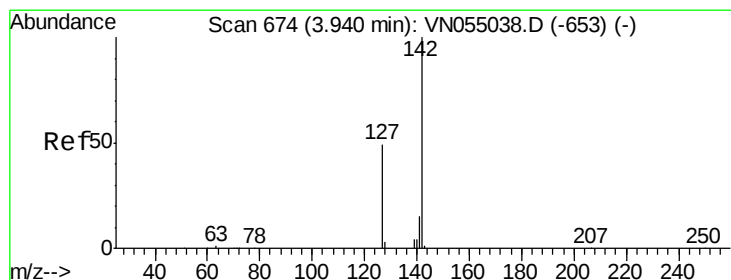
Tot Ion:	101	Resp:	58642
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.9	55.3
151	78.8	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.518 ug/l

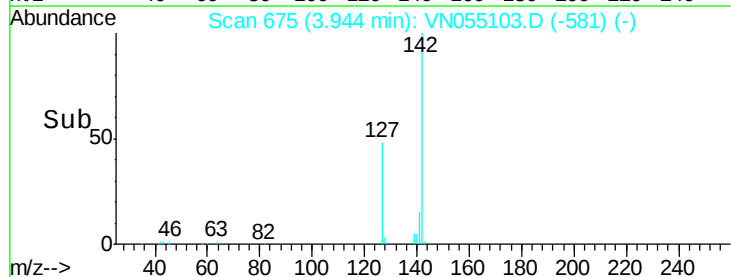
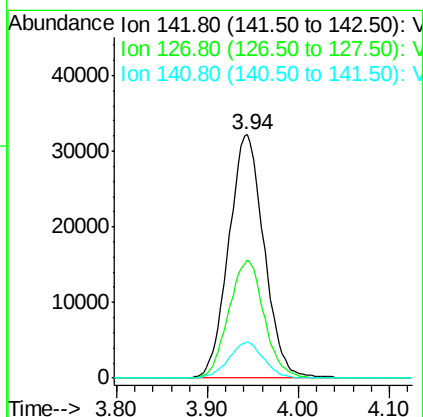
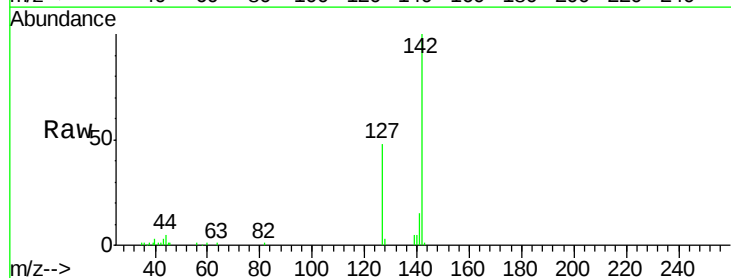
RT: 3.94 min Scan# 675

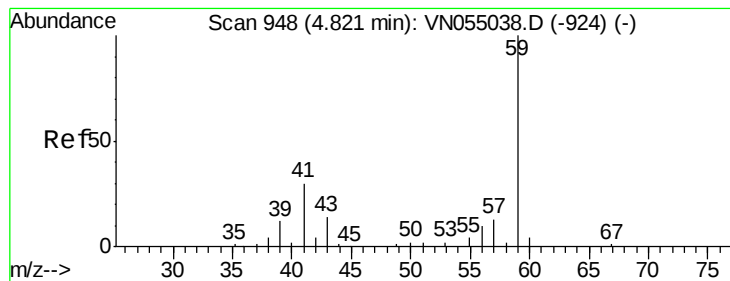
Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Tgt Ion:	142	Resp:	86803
Ion Ratio	Lower	Upper	
142	100		
127	48.3	37.9	56.9
141	14.5	11.8	17.8





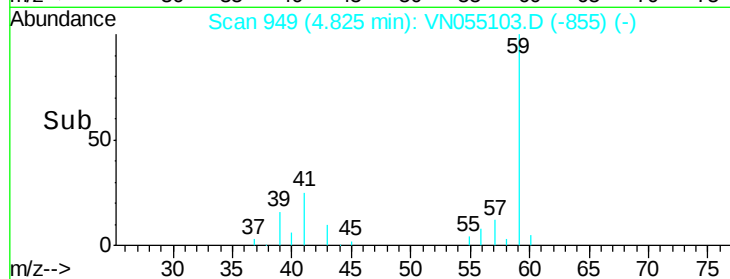
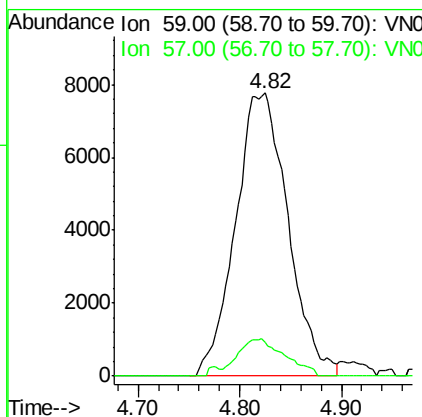
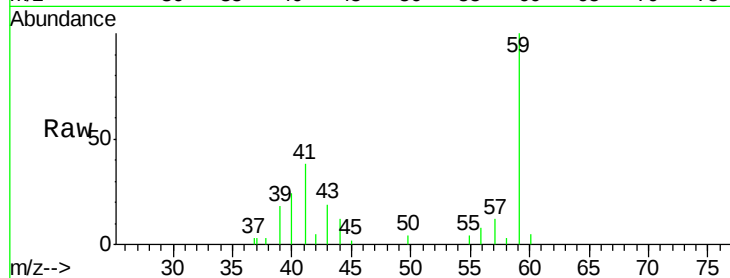
#11

Tert butyl alcohol
 Concen: 102.968 ug/l m
 RT: 4.82 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBSD01

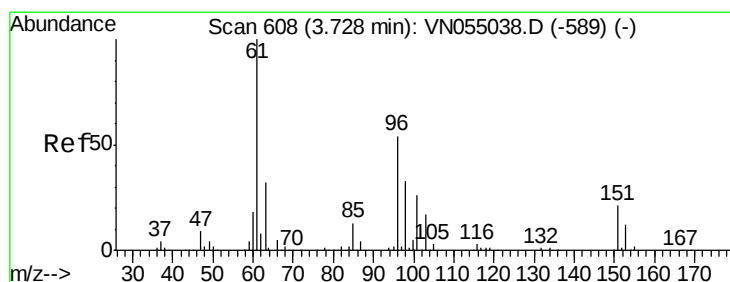
Tot Ion	59	Resp	27792
Ion Ratio	100	Lower	Upper
57	11.6	8.3	12.5

Manual Integrations
 APPROVED



MMDadoda

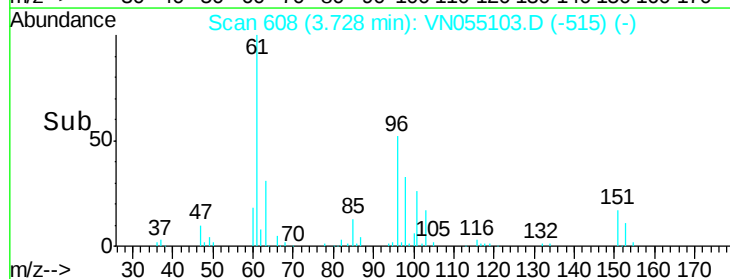
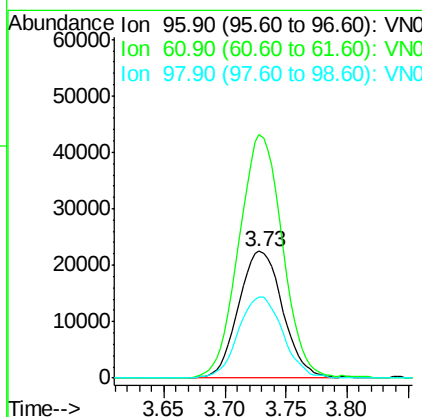
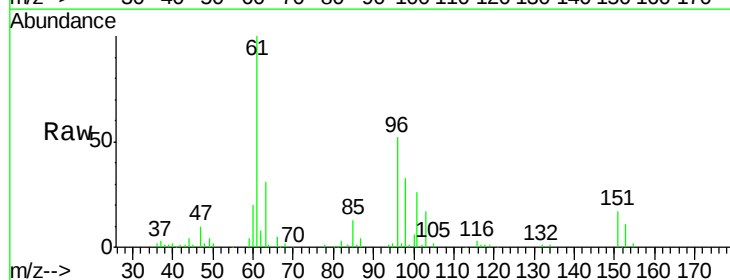
4/19/2019 12:21:30 PM

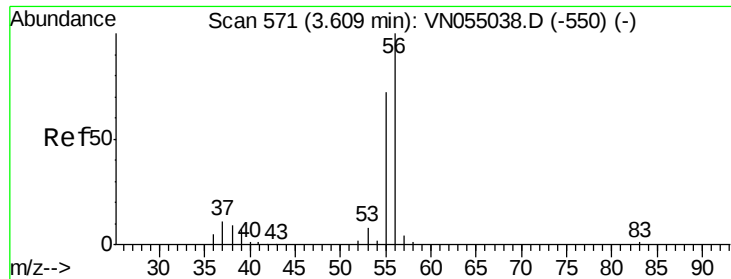


#12

1,1-Dichloroethene
 Concen: 19.184 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Tgt Ion	96	Resp	56405
Ion Ratio	100	Lower	Upper
61	192.0	154.2	231.4
98	64.0	52.9	79.3





#13

Acrolein

Concen: 82.680 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBSD01

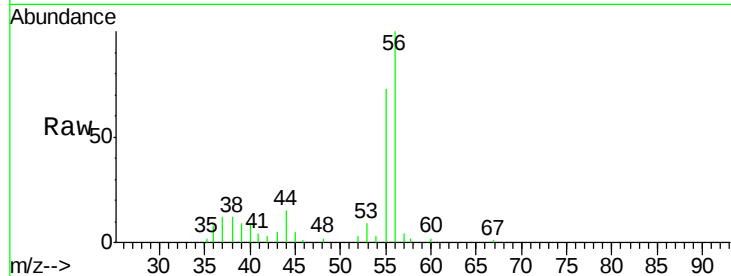
Tot Ion: 56 Resp: 27584

Ion Ratio Lower Upper

56 100

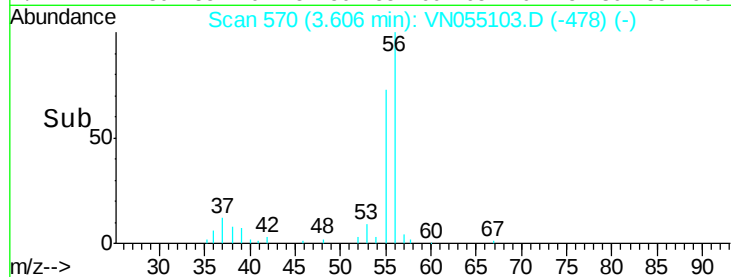
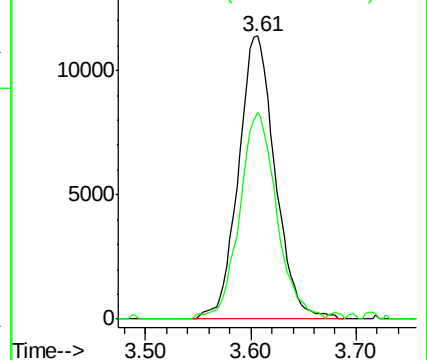
55 73.7 59.5 89.3

Manual Integrations
APPROVED



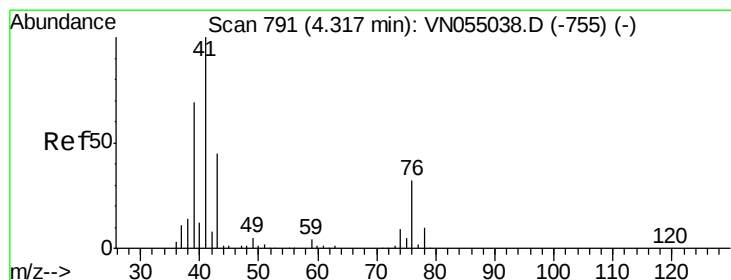
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



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#14

Allyl chloride

Concen: 20.129 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

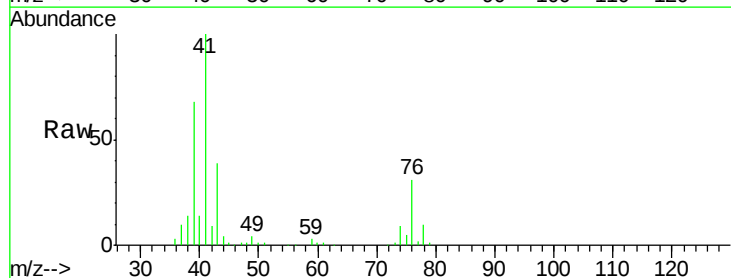
Tgt Ion: 41 Resp: 144867

Ion Ratio Lower Upper

41 100

39 66.1 52.7 79.1

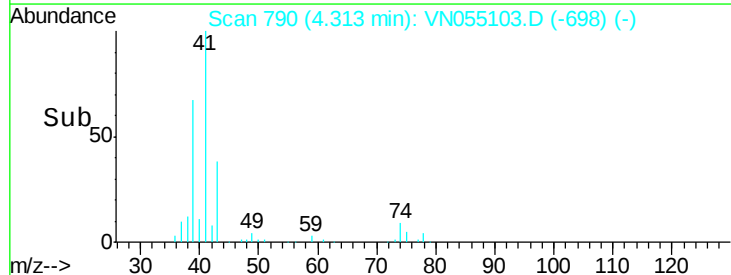
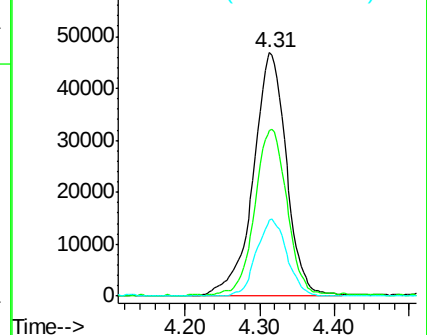
76 28.9 23.2 34.8

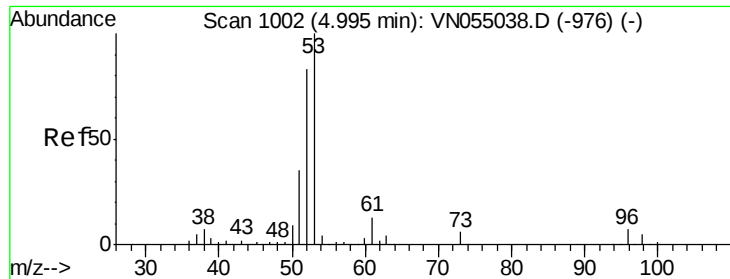


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.656 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

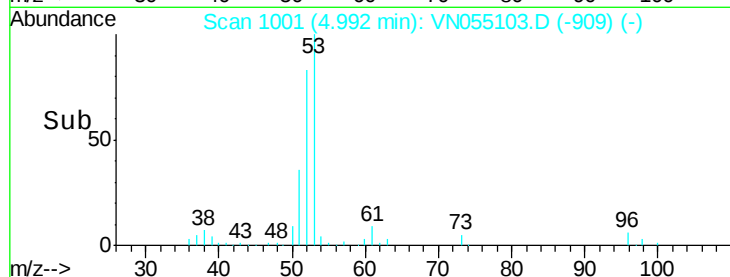
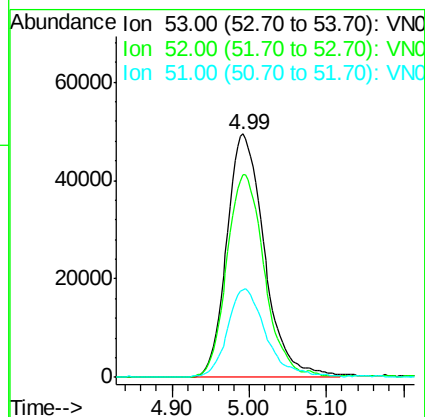
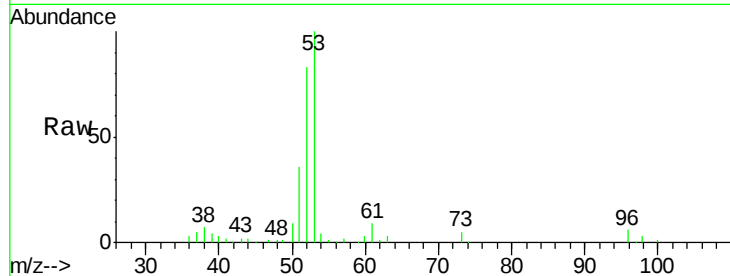
MSVOA_N

ClientSampleId :

VN0417WBSD01

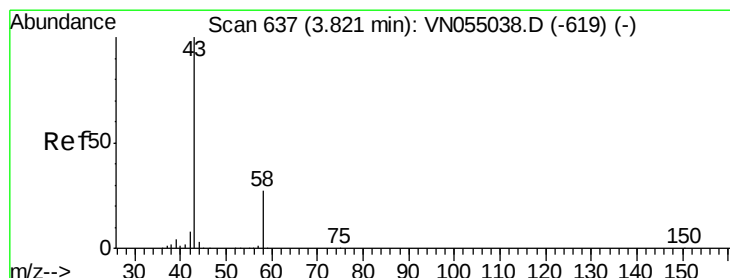
Tot Ion:	53	Resp:	167391
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.9	98.9
51	36.8	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 87.065 ug/l

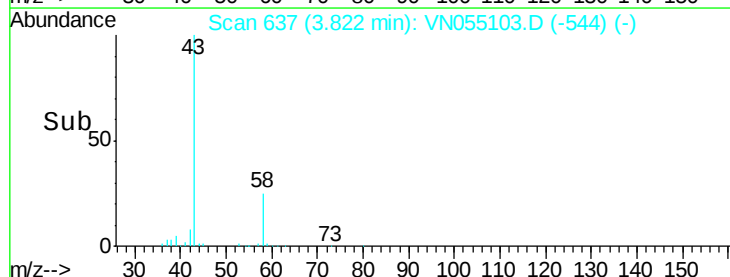
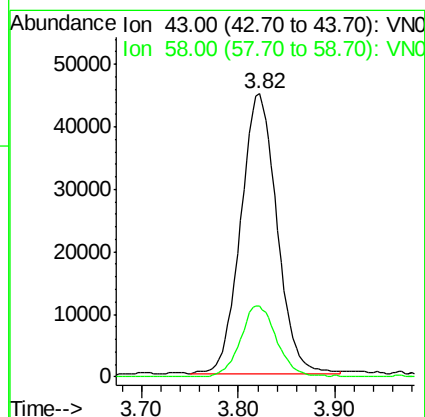
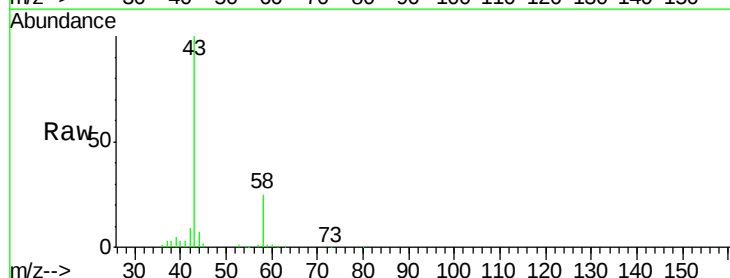
RT: 3.82 min Scan# 637

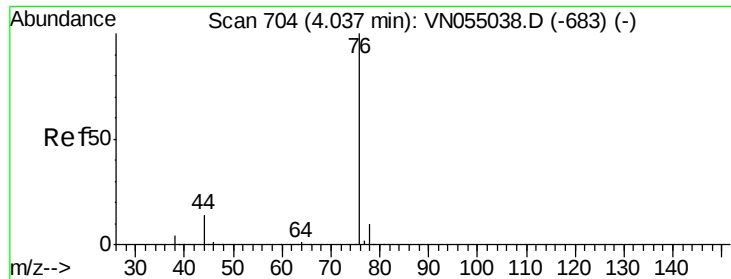
Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Tgt Ion:	43	Resp:	116362
Ion	Ratio	Lower	Upper
43	100		
58	25.2	20.9	31.3





#17

Carbon Disulfide

Concen: 17.693 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

MSVOA_N

ClientSampled :

VN0417WBSD01

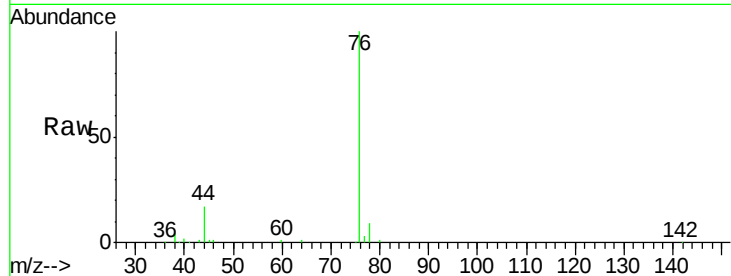
Tot Ion: 76 Resp: 167929

Ion Ratio Lower Upper

76 100

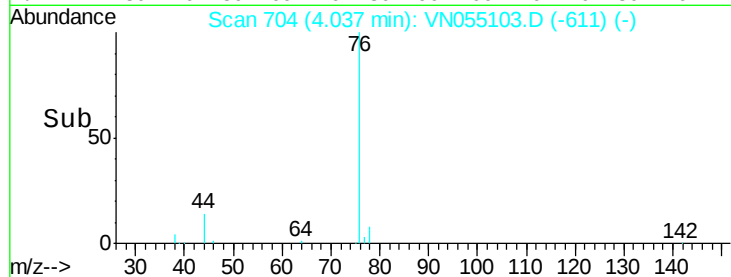
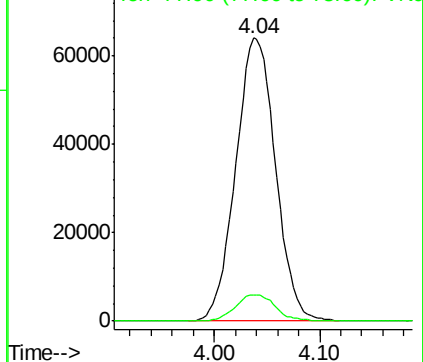
78 9.1 7.2 10.8

Manual Integrations
APPROVED



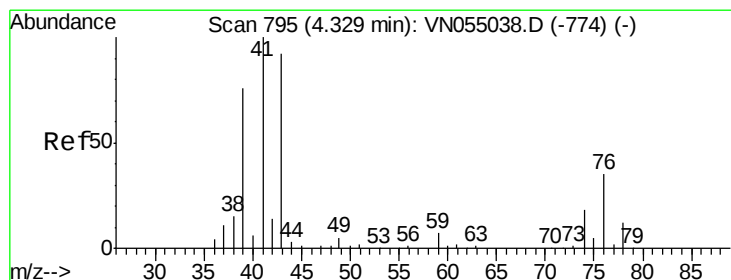
Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



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#18

Methyl Acetate

Concen: 21.265 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055103.D

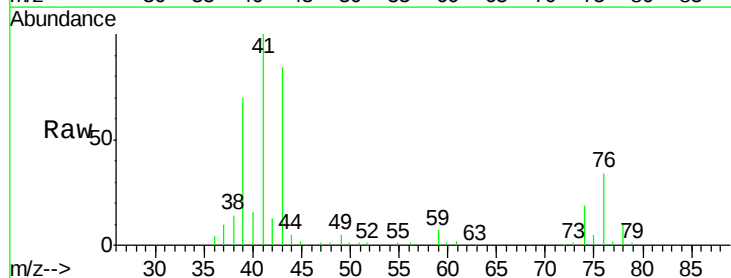
Acq: 17 Apr 2019 13:57

Tgt Ion: 43 Resp: 82882

Ion Ratio Lower Upper

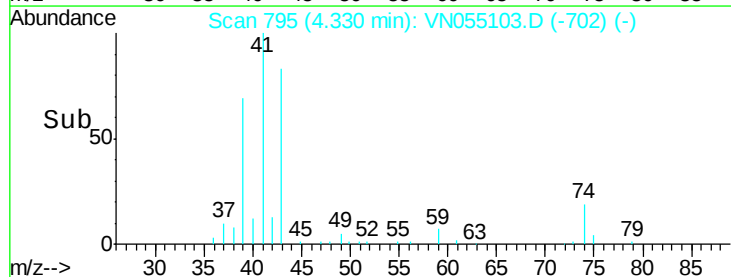
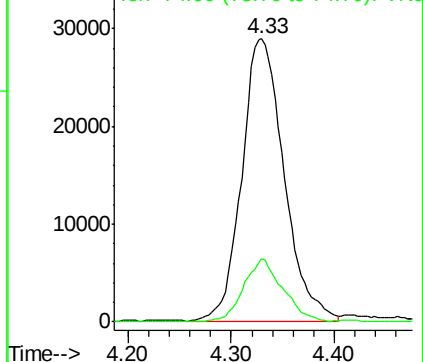
43 100

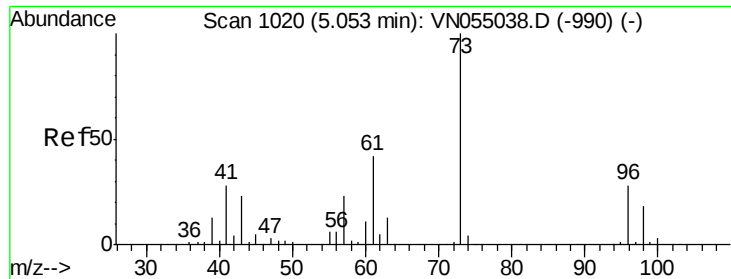
74 20.5 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO



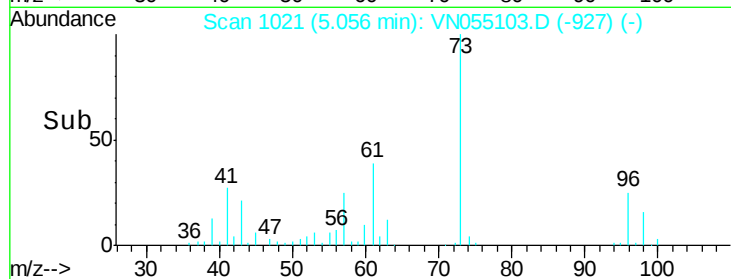
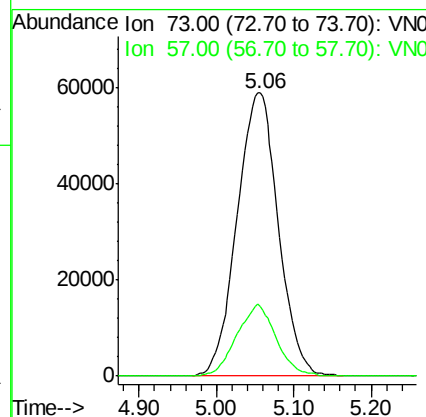
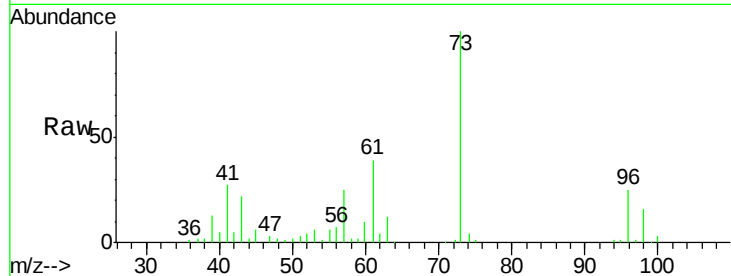


#19
Methvl tert-butvl Ether
Concen: 20.762 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

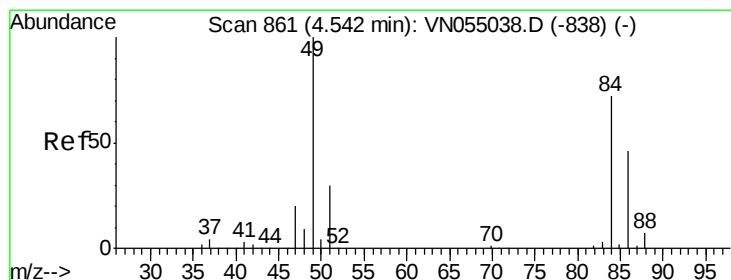
Tot Ion: 73 Resp: 218371
Ion Ratio Lower Upper
73 100
57 24.8 19.0 28.4

Manual Integrations
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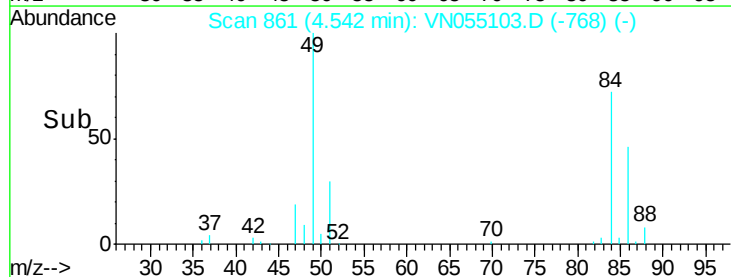
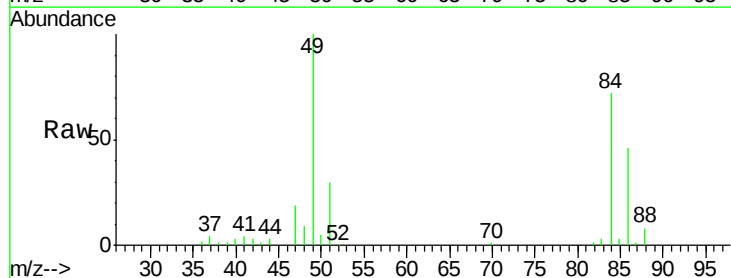
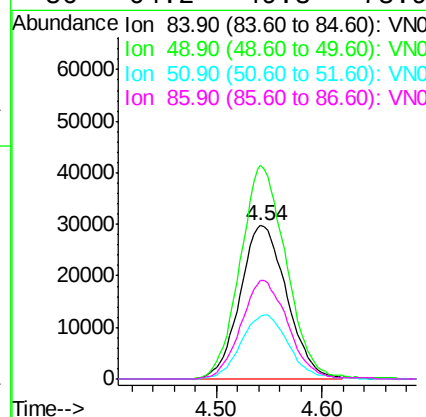
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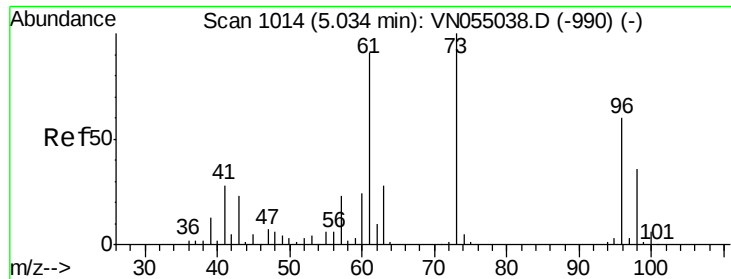
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#20
Methylene Chloride
Concen: 19.507 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion: 84 Resp: 91647
Ion Ratio Lower Upper
84 100
49 139.5 109.4 164.2
51 41.2 32.2 48.4
86 64.2 49.3 73.9



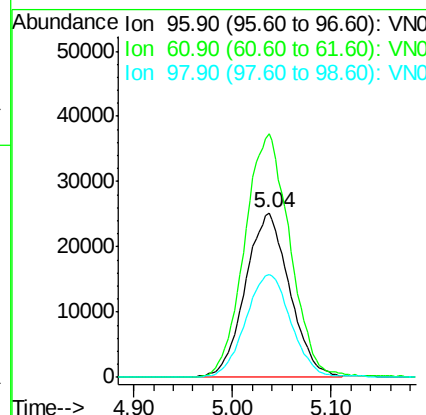
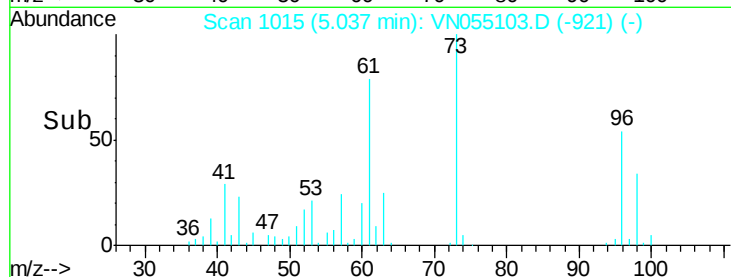
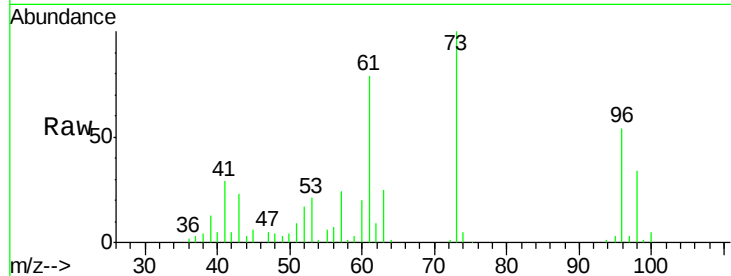


#21
trans-1,2-Dichloroethene
Concen: 19.674 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

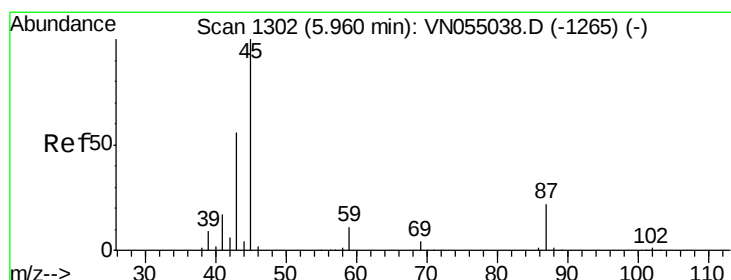
Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	114.9	172.3
98	62.7	48.4	72.6

Manual Integrations
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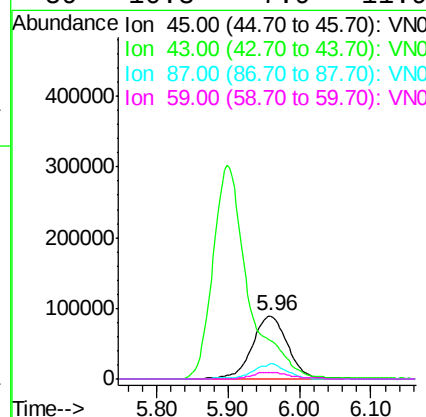
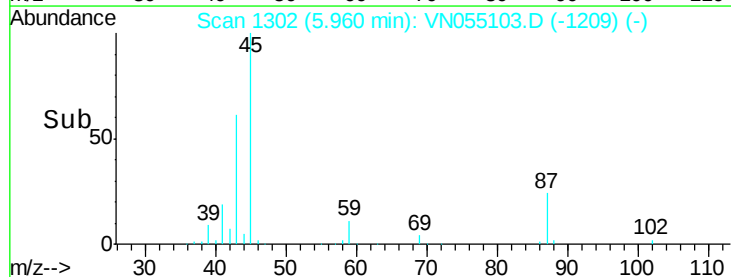
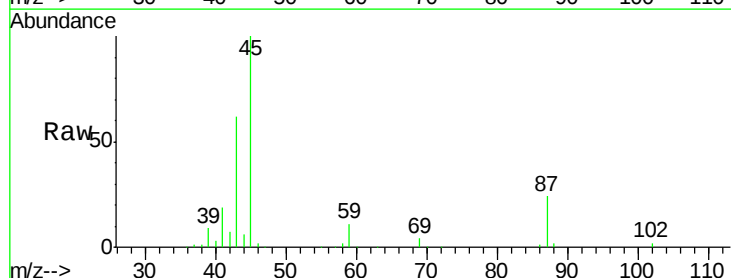
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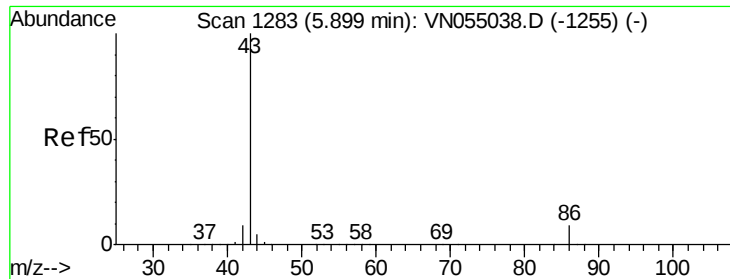
4/19/2019 12:21:30 PM



#22
Diisopropyl ether
Concen: 20.739 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	44.8	67.2
87	24.3	18.9	28.3
59	10.3	7.9	11.9





#23

Vinyl Acetate

Concen: 106.169 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

MSVOA_N

ClientSampled :

VN0417WBSD01

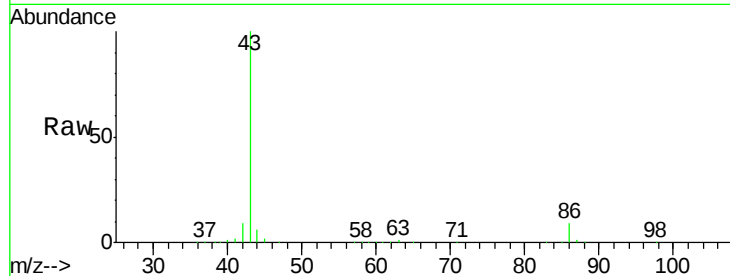
Tot Ion: 43 Resp: 1038266

Ion Ratio Lower Upper

43 100

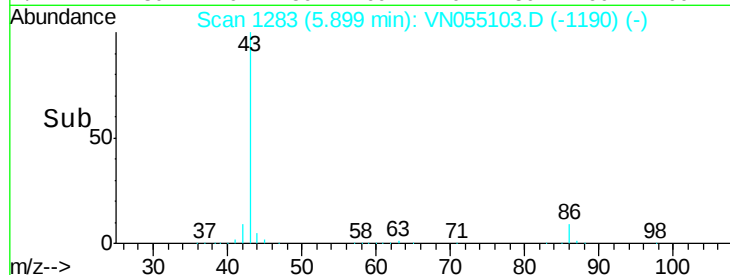
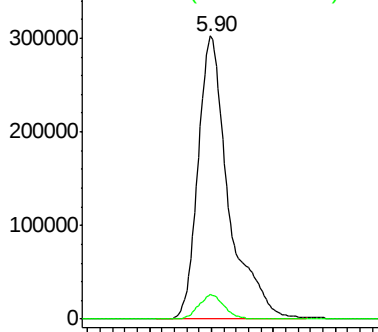
86 8.6 7.0 10.4

Manual Integrations
APPROVED



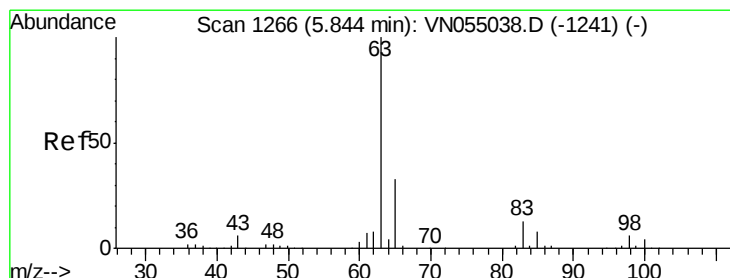
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



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4/19/2019 12:21:30 PM



#24

1,1-Dichloroethane

Concen: 20.618 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

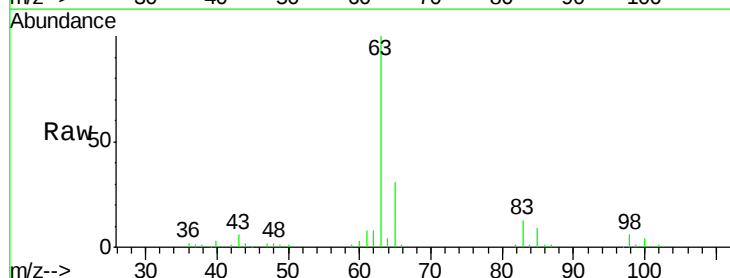
Tgt Ion: 63 Resp: 162445

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

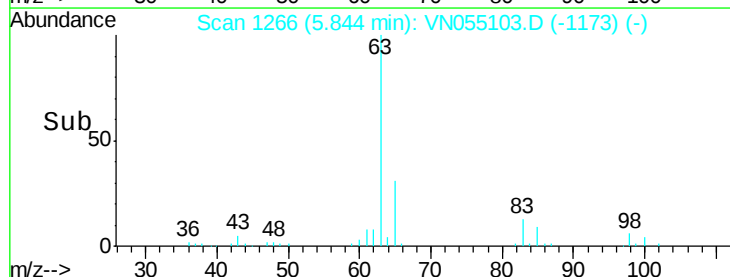
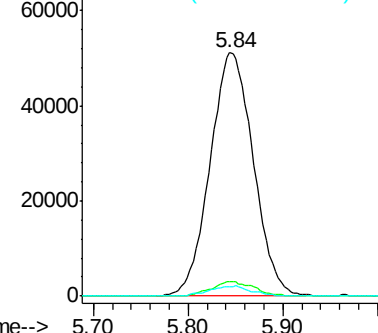
100 4.0 2.0 5.8

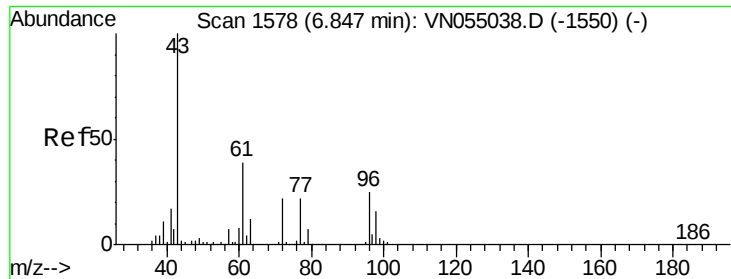


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



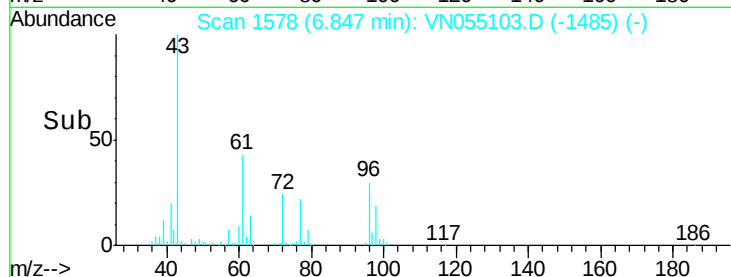
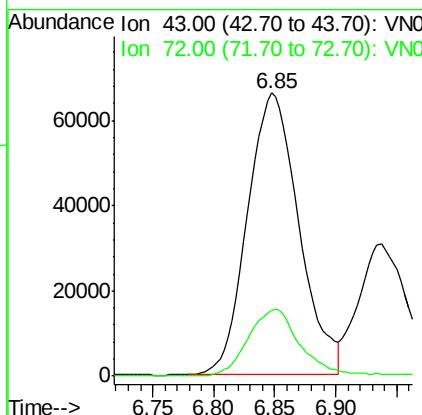
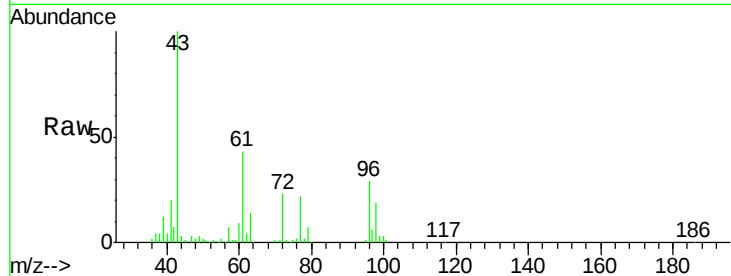


#25
2-Butanone
Concen: 97.099 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

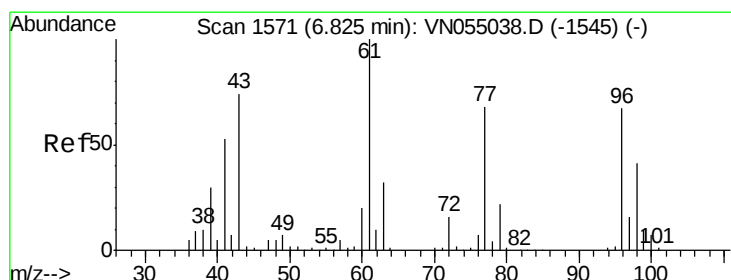
Tot Ion: 43 Resp: 193685
Ion Ratio Lower Upper
43 100
72 23.5 18.1 27.1

Manual Integrations
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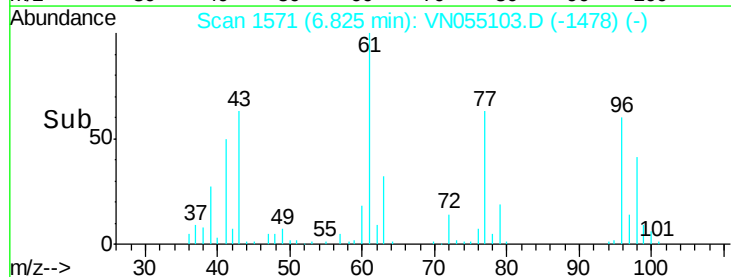
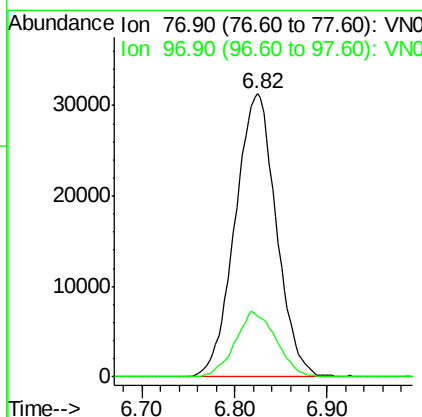
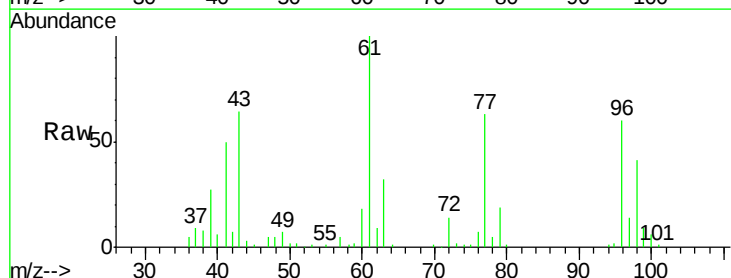
MMDadoda

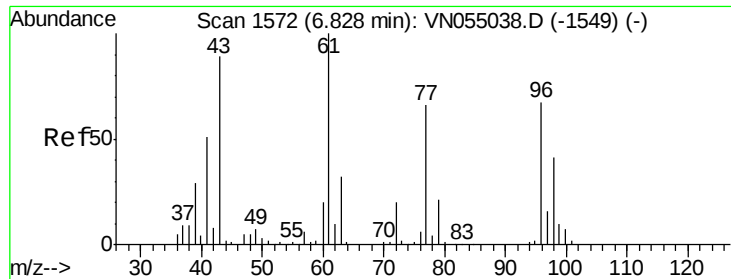
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#26
2,2-Dichloropropane
Concen: 19.350 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion: 77 Resp: 96221
Ion Ratio Lower Upper
77 100
97 23.0 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.453 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

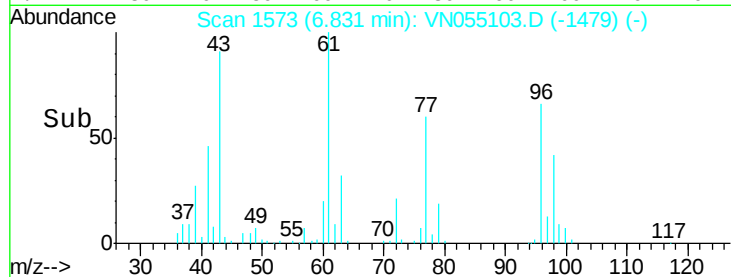
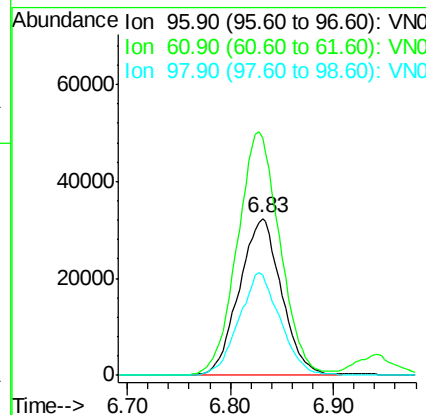
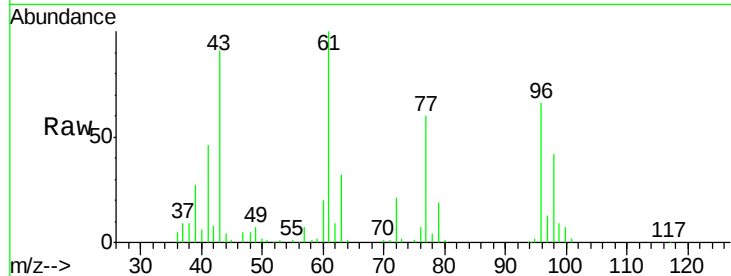
MSVOA_N

ClientSampleId :

VN0417WBSD01

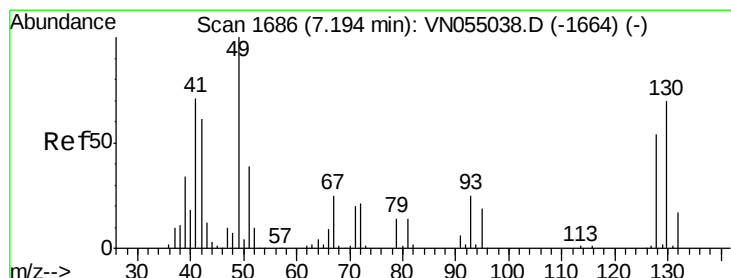
Tot Ion:	96	Resp:	92016
Ion	Ratio	Lower	Upper
96	100		
61	156.4	0.0	311.0
98	64.2	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 21.624 ug/l

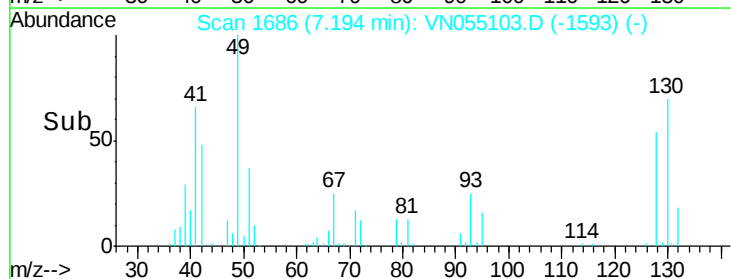
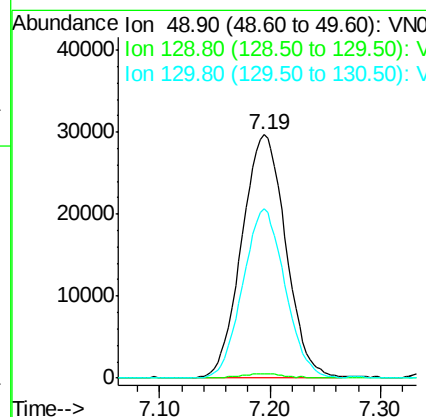
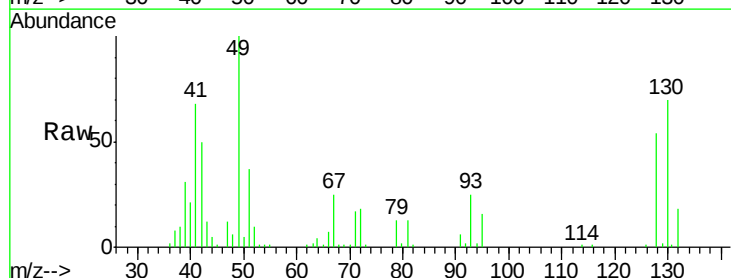
RT: 7.19 min Scan# 1686

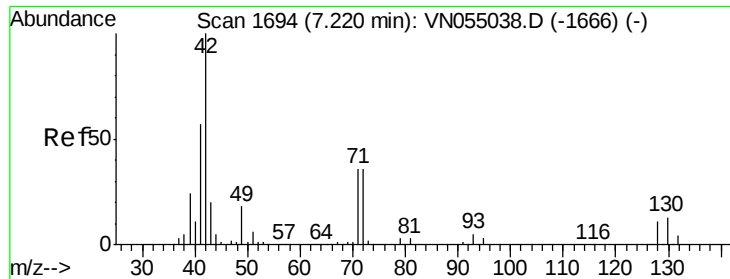
Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Tgt Ion:	49	Resp:	82128
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.0
130	66.6	53.4	80.2



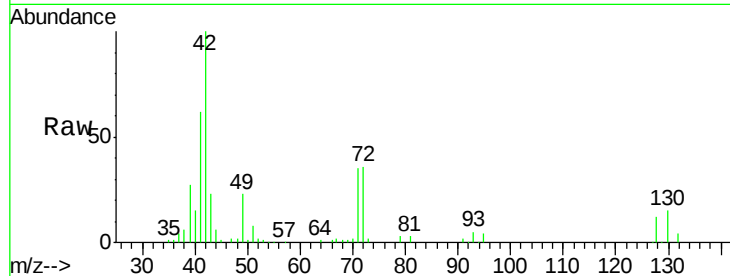


#29
Tetrahydrofuran
Concen: 102.146 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

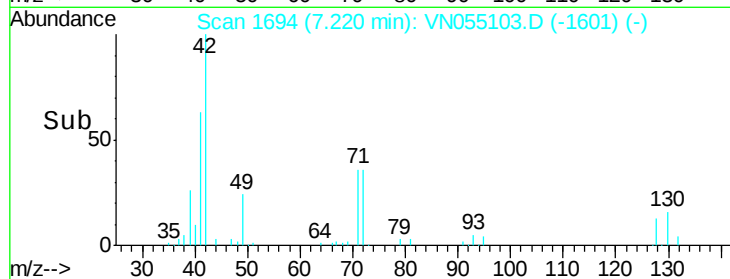
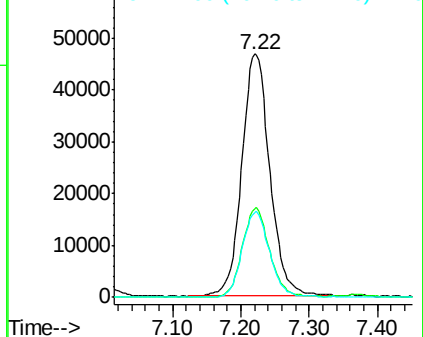
Instrument :
MSVOA_N
ClientSampleId :
VN0417WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	29.4	44.0
71	34.3	27.8	41.6

Manual Integrations
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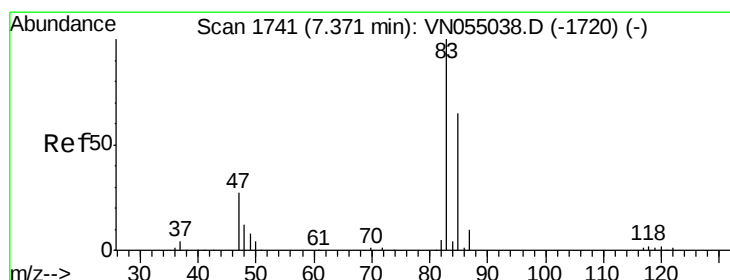


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0



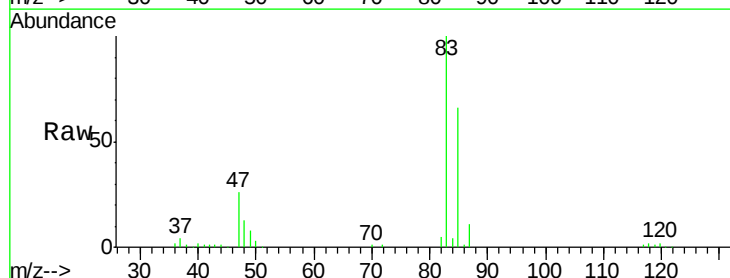
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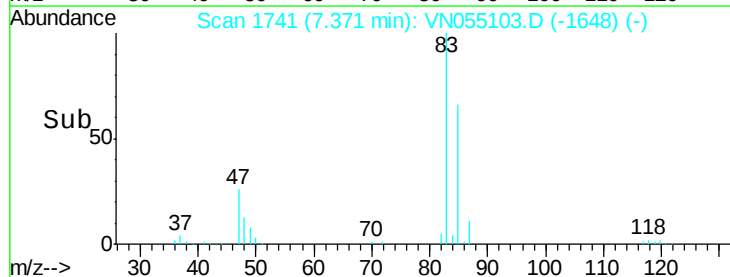
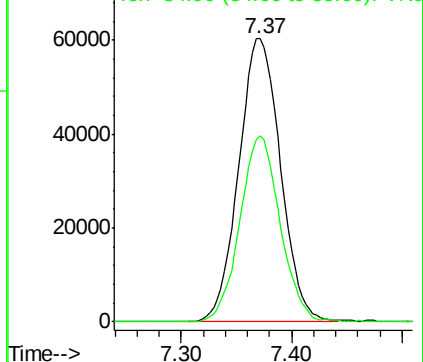


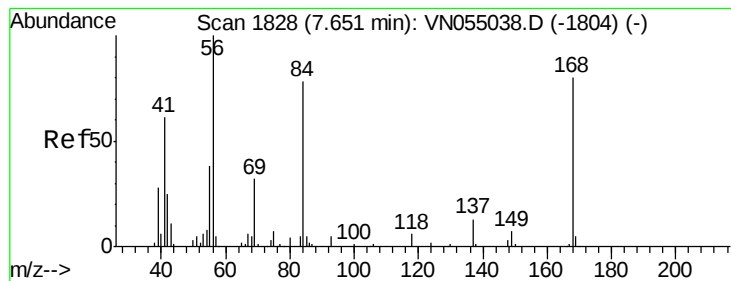
#30
Chloroform
Concen: 20.656 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.066 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

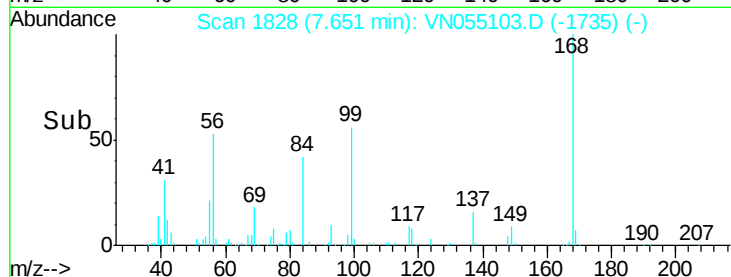
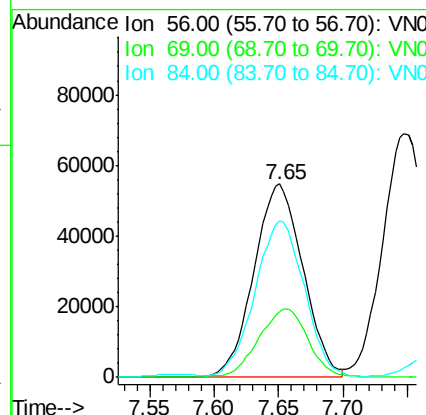
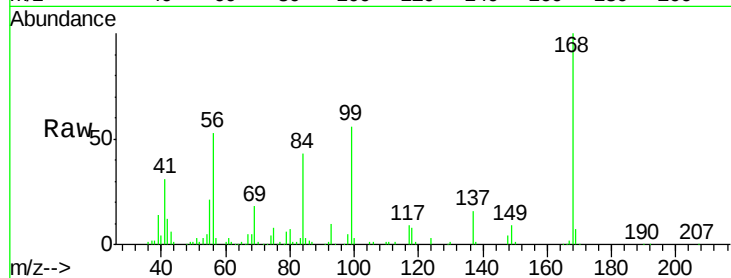
MSVOA_N

ClientSampled :

VN0417WBSD01

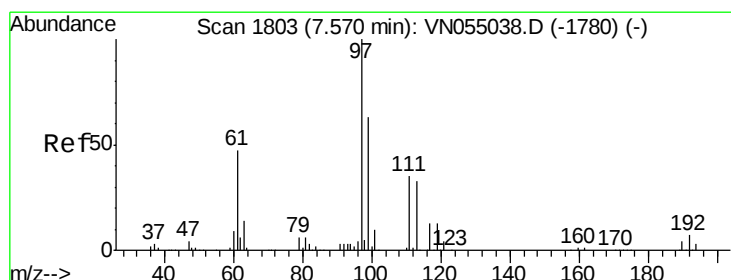
Tot Ion	56	Resp	144982
Ion	Ratio	Lower	Upper
56	100		
69	33.8	24.5	36.7
84	79.9	62.9	94.3

Manual Integrations
APPROVED



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#32

1,1,1-Trichloroethane

Concen: 20.161 ug/l

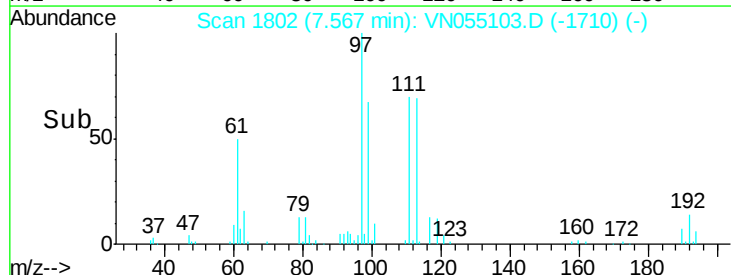
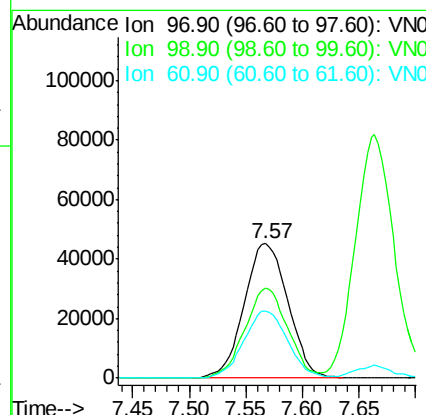
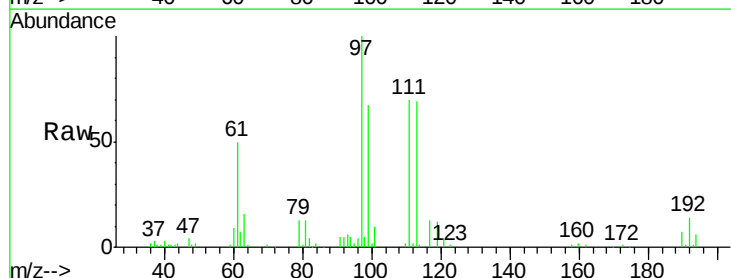
RT: 7.57 min Scan# 1802

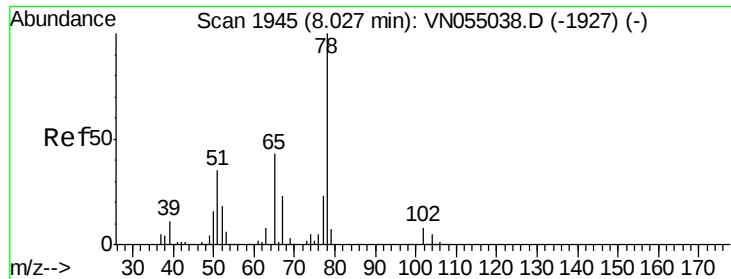
Delta R.T. -0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Tgt Ion	97	Resp	122239
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	49.8	38.3	57.5



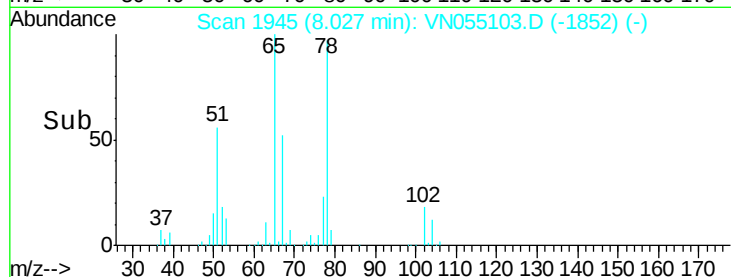
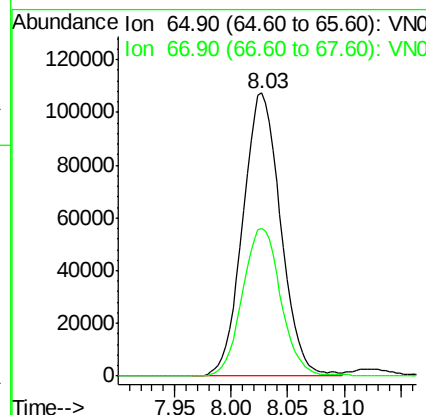
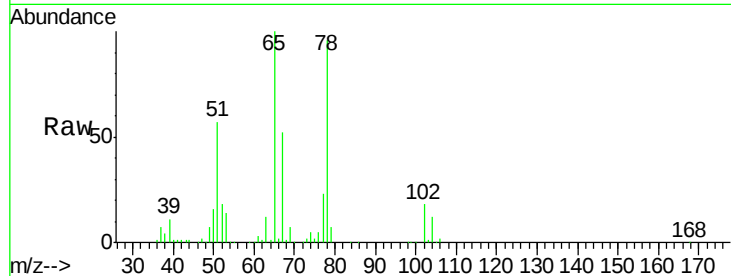


#33
 1,2-Dichloroethane-d4
 Concen: 50.876 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0417WBSD01

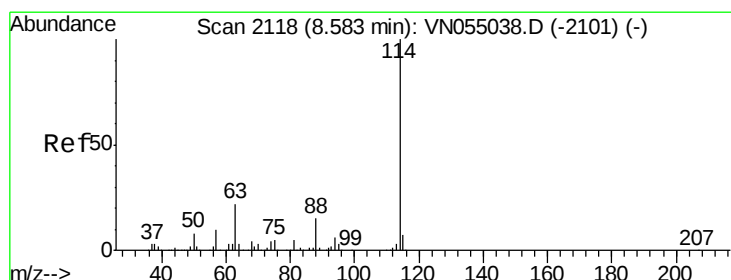
Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.1	0.0	106.4	

Manual Integrations
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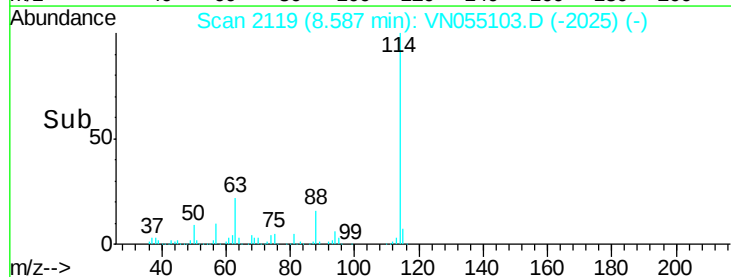
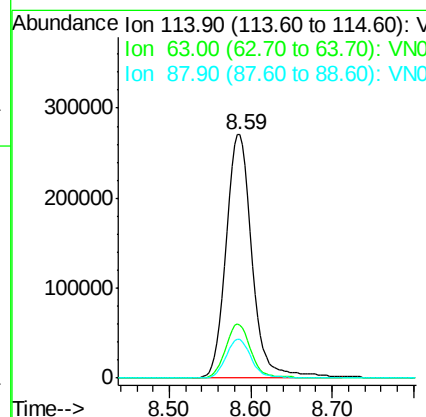
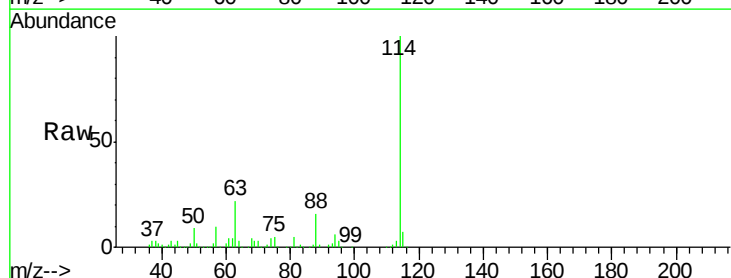
MMDadoda

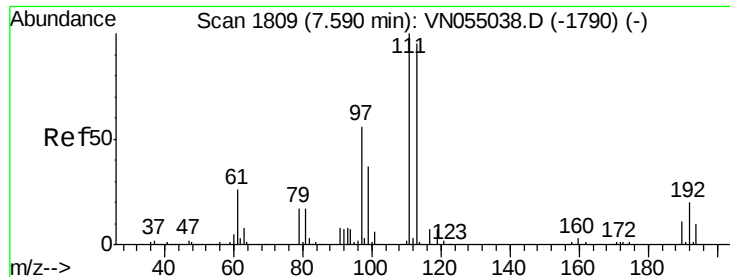
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.8	0.0	45.2	
88	15.9	0.0	31.8	



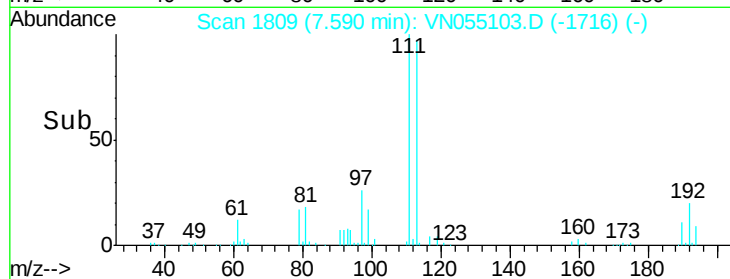
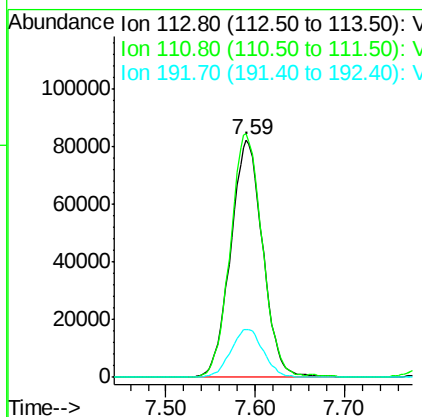
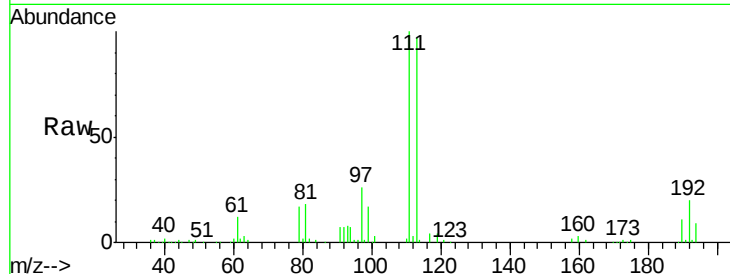


#35
 Dibromofluoromethane
 Concen: 50.014 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0417WBSD01

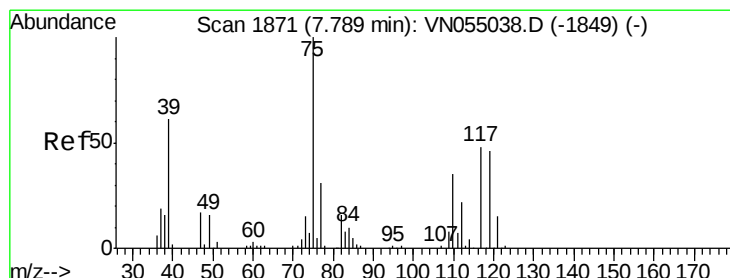
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	82.1	123.1	
192	20.5	16.5	24.7	

Manual Integrations
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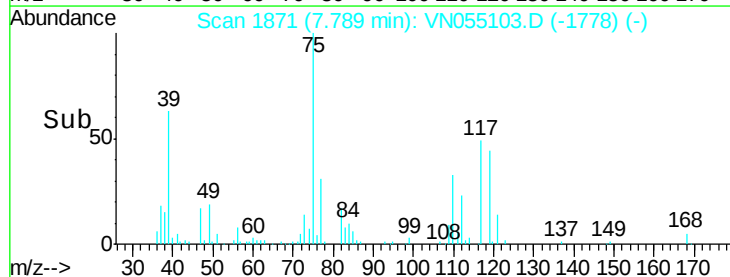
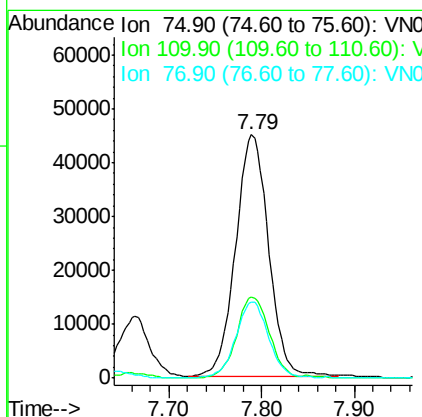
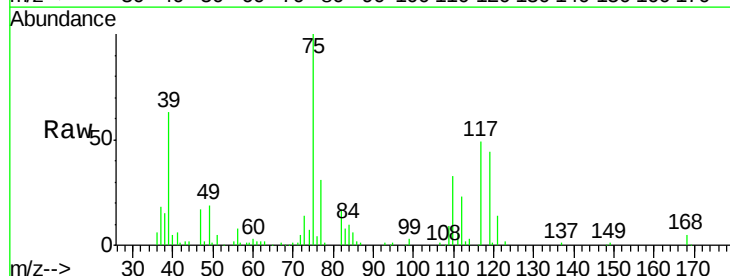
MMDadoda

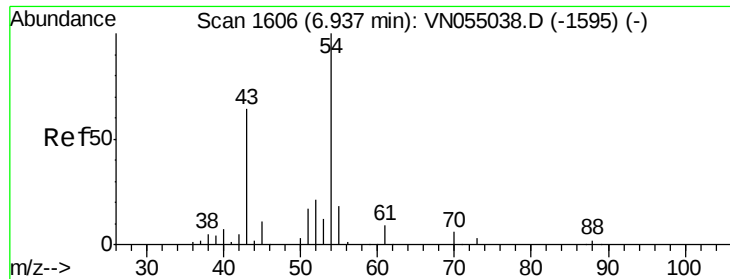
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#36
 1,1-Dichloropropene
 Concen: 19.275 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.2	17.5	52.5	
77	31.6	24.9	37.3	



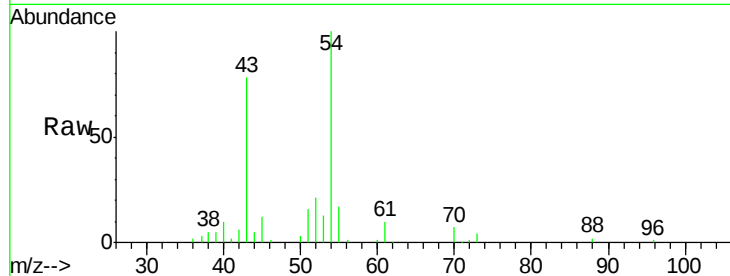


#37
Ethyl Acetate
Concen: 18.117 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

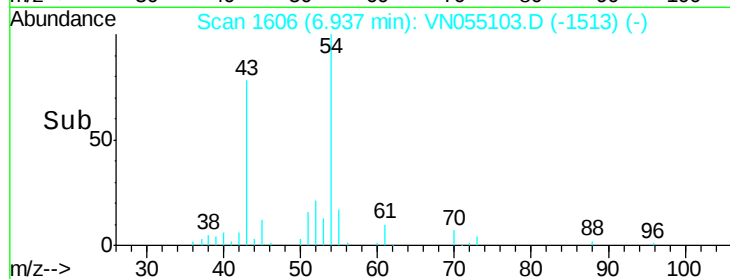
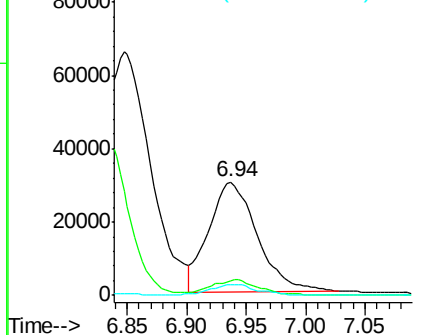
Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

Tot Ion	43	61	70
Resp	85200		
Ratio	100	13.0	9.6
Lower		10.0	7.1
Upper		15.0	10.7

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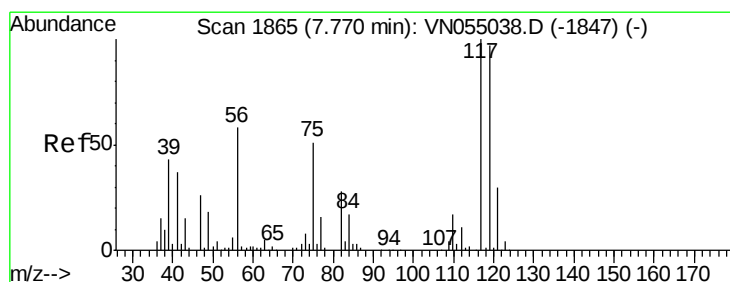


Abundance Ion 43.00 (42.70 to 43.70): VN055103.D (-1595) (-)
Ion 60.90 (60.60 to 61.60): VN055103.D (-1595) (-)
Ion 70.00 (69.70 to 70.70): VN055103.D (-1595) (-)



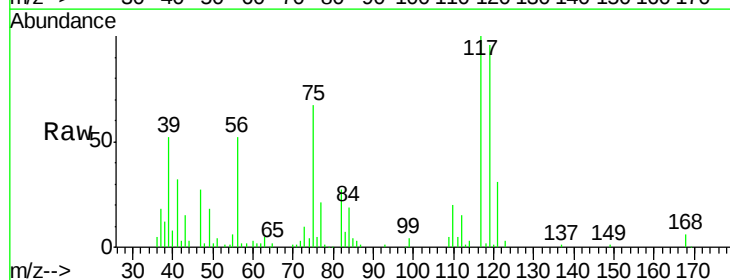
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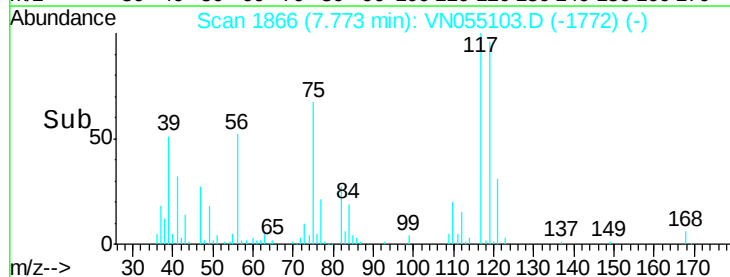
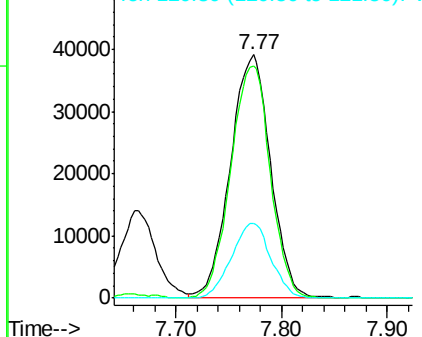


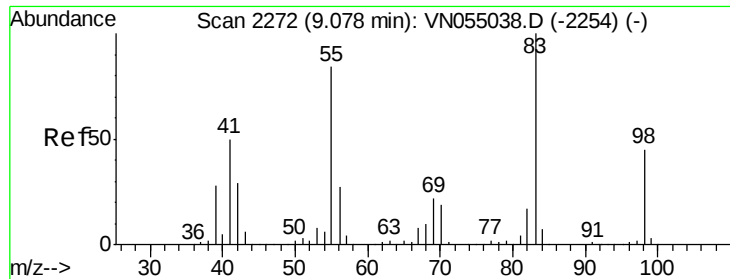
#38
Carbon Tetrachloride
Concen: 18.873 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion	117	119	121
Resp	103721		
Ratio	100	95.5	30.8
Lower		76.3	23.9
Upper		114.5	35.9



Abundance Ion 116.80 (116.50 to 117.50): VN055103.D (-1847) (-)
Ion 118.80 (118.50 to 119.50): VN055103.D (-1847) (-)
Ion 120.80 (120.50 to 121.50): VN055103.D (-1847) (-)



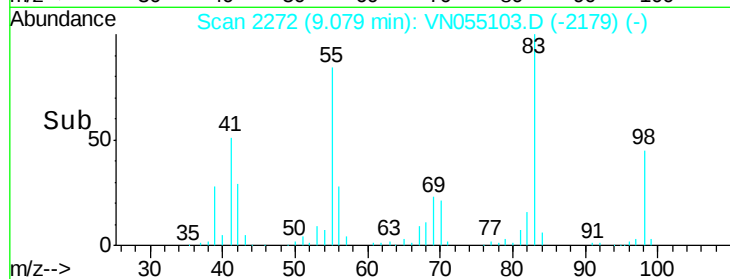
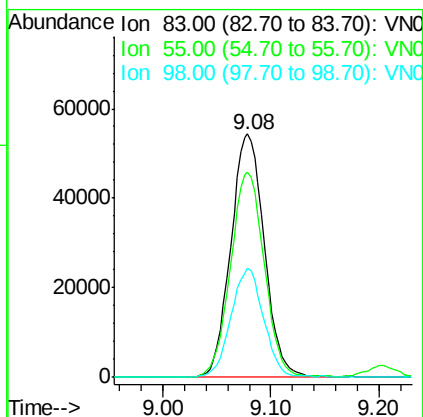
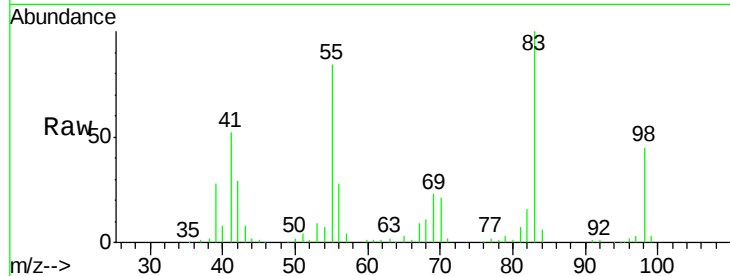


#39
Methvlcvclohexane
Concen: 18.790 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBSD01

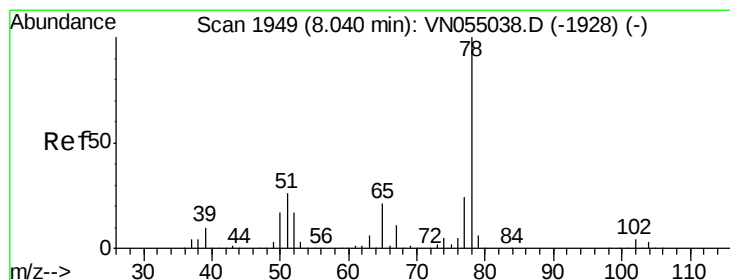
Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	67.0	100.4
98	44.6	35.6	53.4

Manual Integrations
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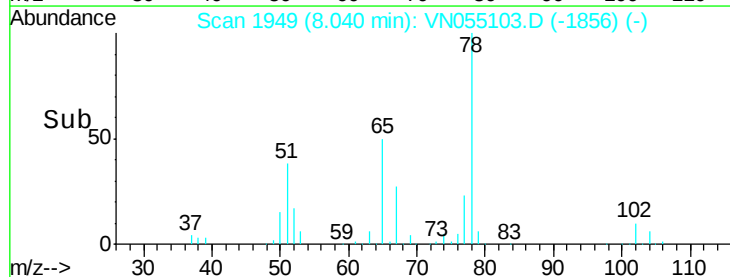
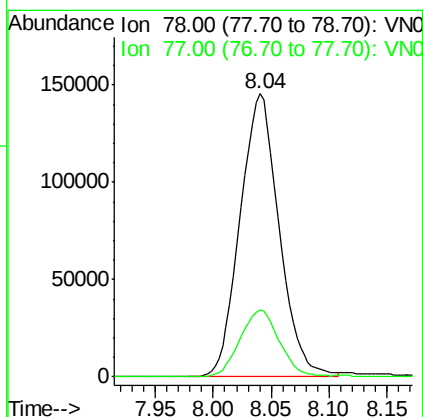
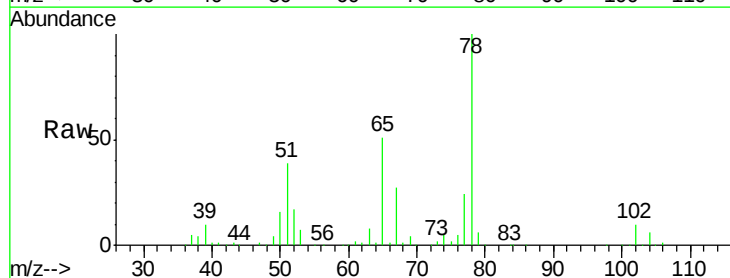
MMDadoda

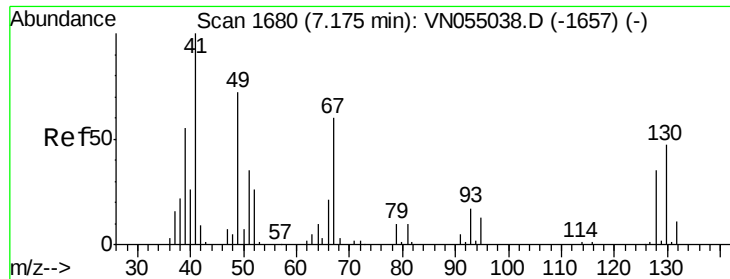
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#40
Benzene
Concen: 19.655 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2



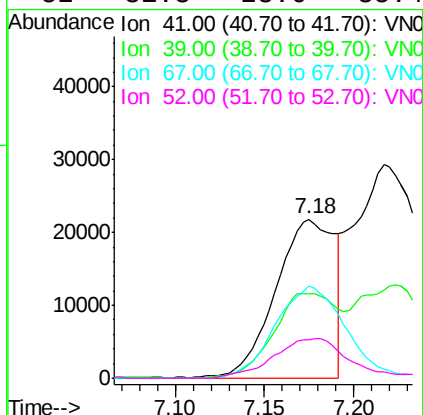
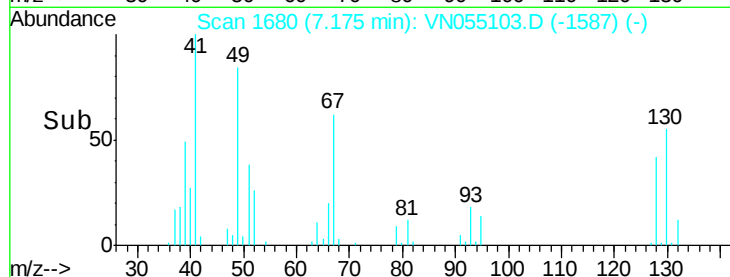
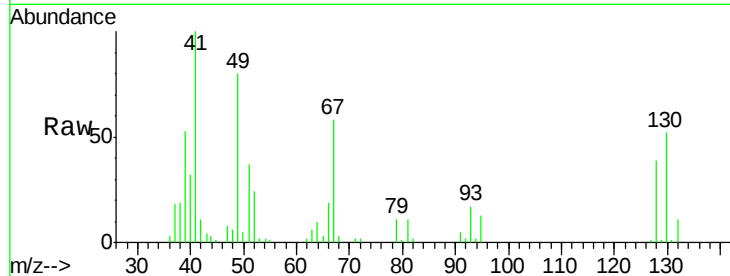


#41
Methacrylonitrile
Concen: 19.246 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

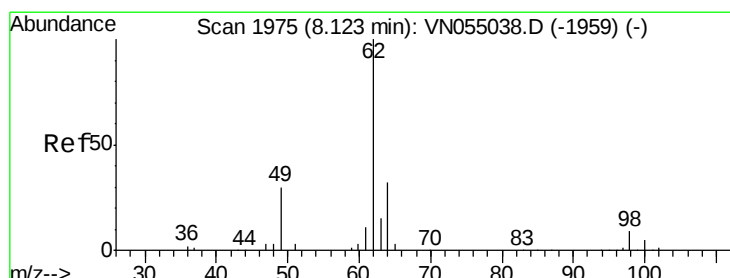
Tot Ion	41	Resp	50241
Ion	Ratio	Lower	Upper
41	100		
39	58.2	45.6	68.4
67	69.1	57.0	85.6
52	31.3	23.6	35.4

Manual Integrations
APPROVED



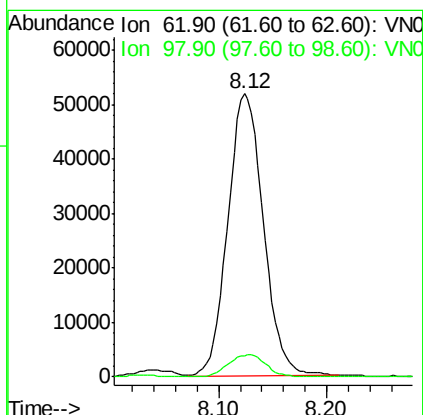
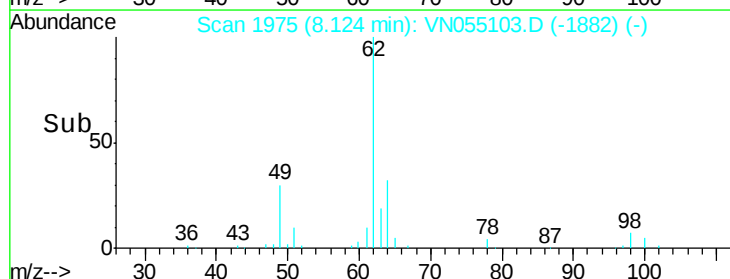
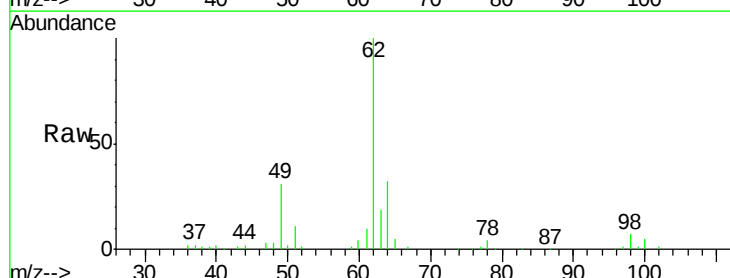
MMDadoda

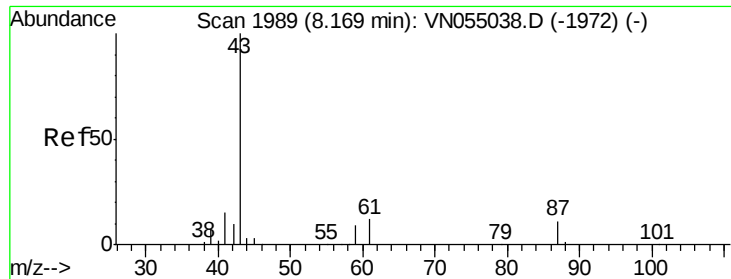
4/19/2019 12:21:30 PM



#42
1,2-Dichloroethane
Concen: 19.773 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion	62	Resp	119520
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.4





#43

Isopropyl Acetate

Concen: 20.271 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

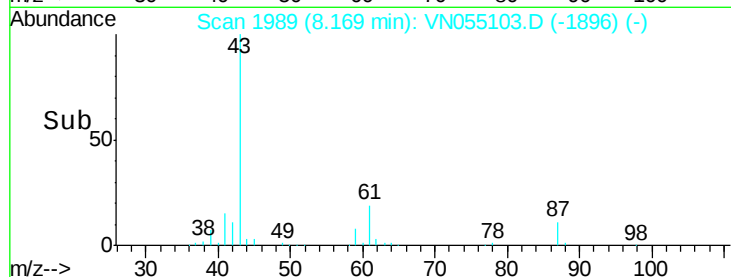
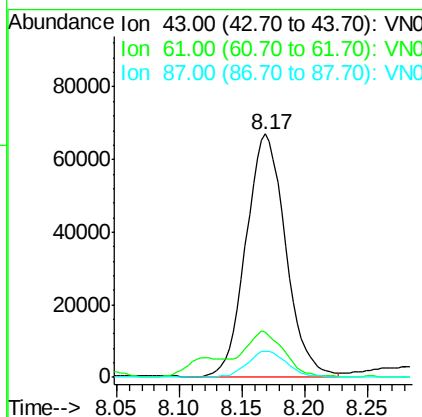
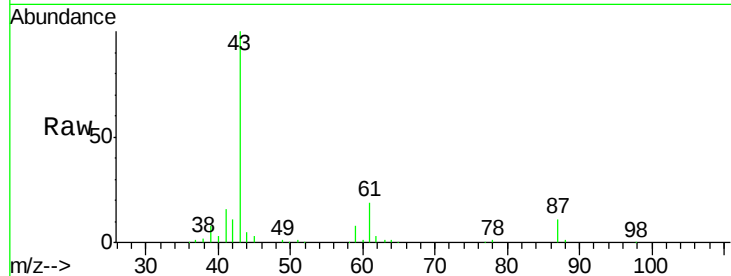
MSVOA_N

ClientSampled :

VN0417WBSD01

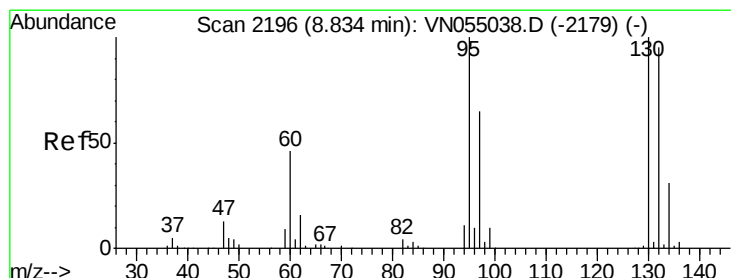
Tot Ion:	43	Resp:	146890
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.3	21.5
87	10.8	8.6	13.0

Manual Integrations
APPROVED



MMDadoda

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#44

Trichloroethene

Concen: 19.854 ug/l

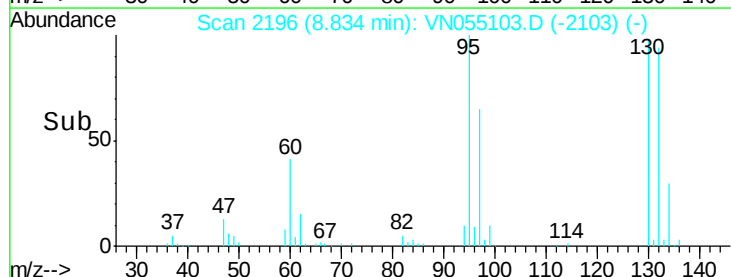
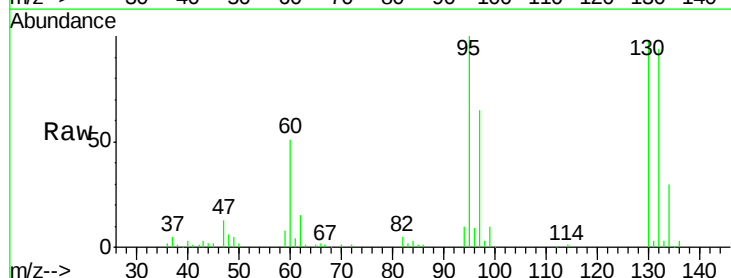
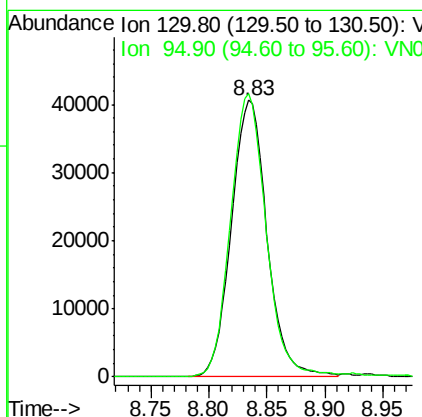
RT: 8.83 min Scan# 2196

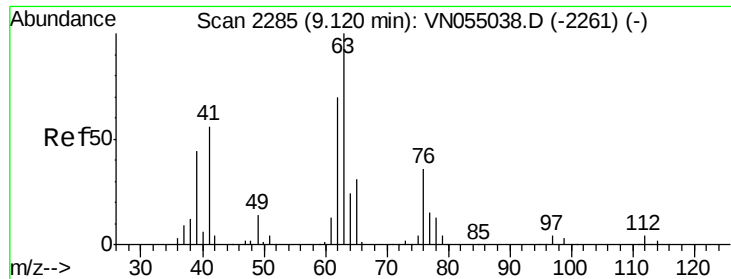
Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Tgt Ion:	130	Resp:	86575
Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	201.6



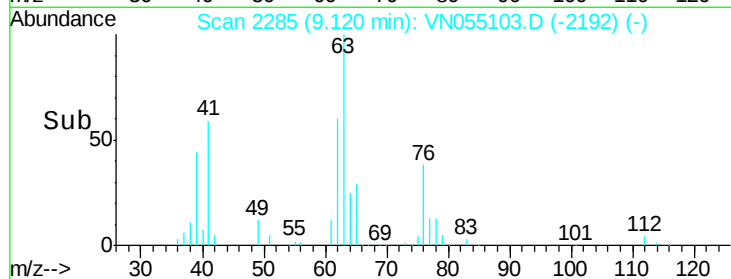
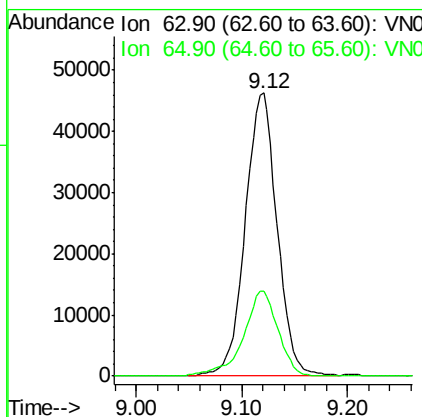
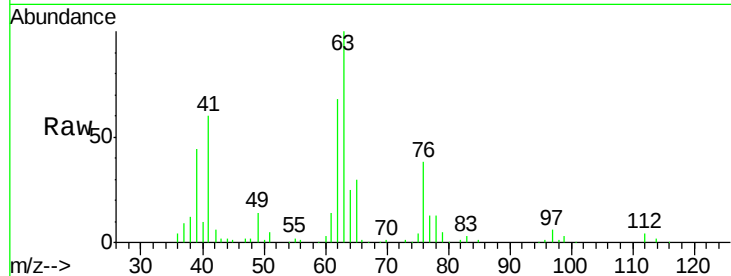


#45
 1,2-Dichloropropane
 Concen: 20.088 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0417WBSD01

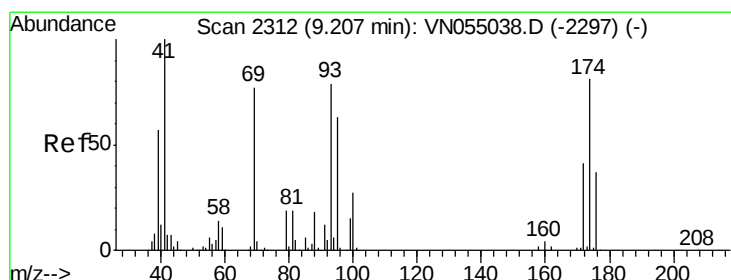
Tot Ion: 63 Resp: 97534
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.4 36.6

Manual Integrations
 APPROVED



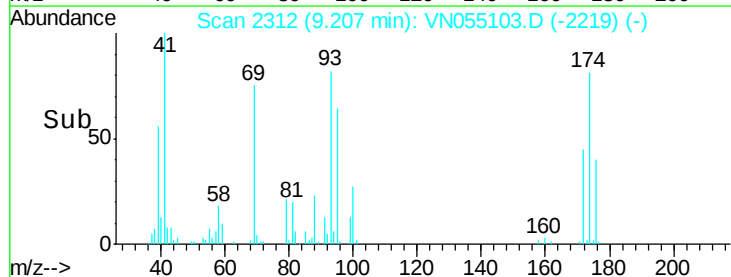
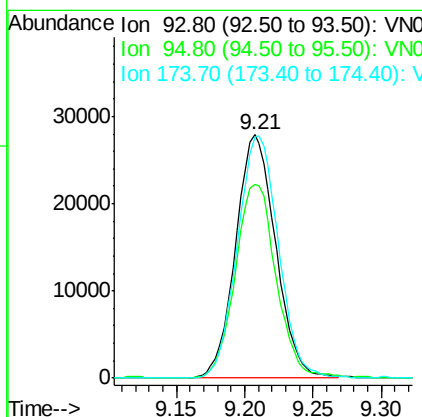
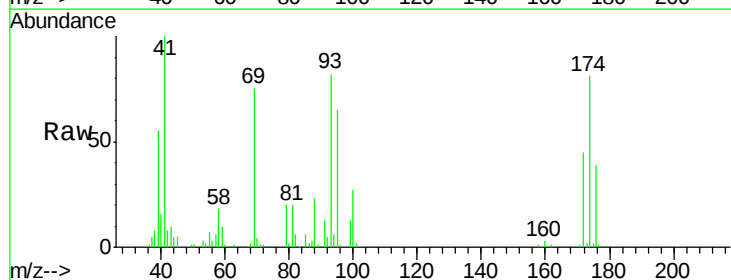
MMDadoda

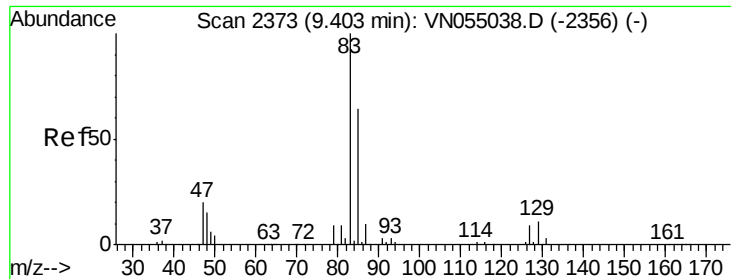
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#46
 Dibromomethane
 Concen: 20.556 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Tgt Ion: 93 Resp: 56809
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.0 97.6
 174 102.1 81.0 121.6



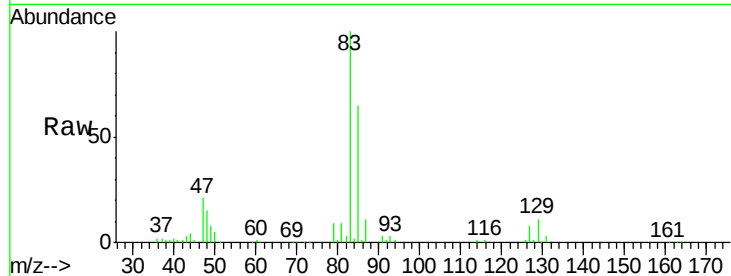


#47
Bromodichloromethane
Concen: 19.976 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

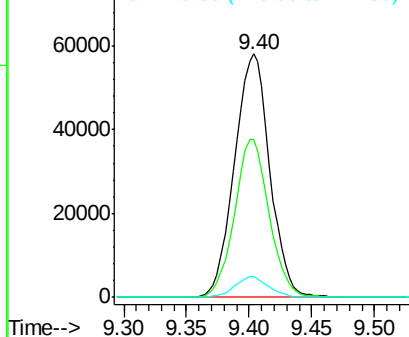
Instrument :
MSVOA_N
ClientSampleId :
VN0417WBSD01

Tot Ion:	83	Resp:	113818
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.2	76.8
127	8.3	6.8	10.2

Manual Integrations
APPROVED

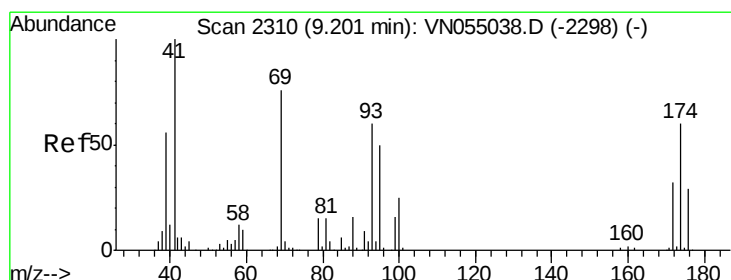
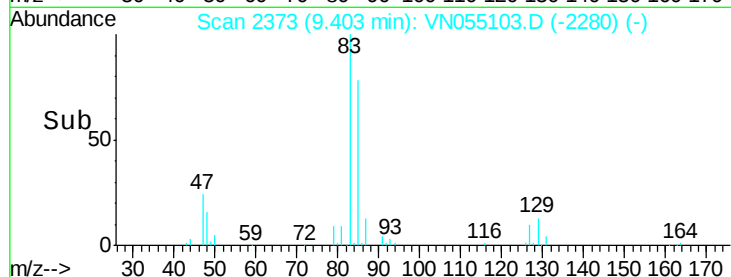


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



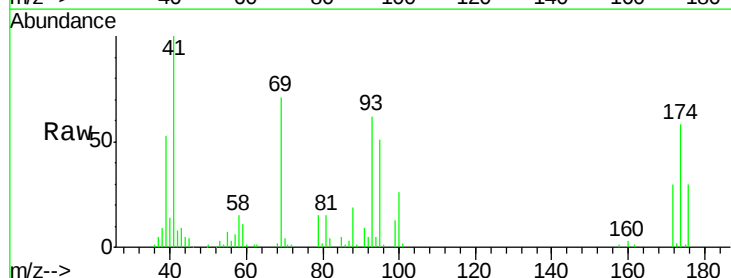
MMDadoda

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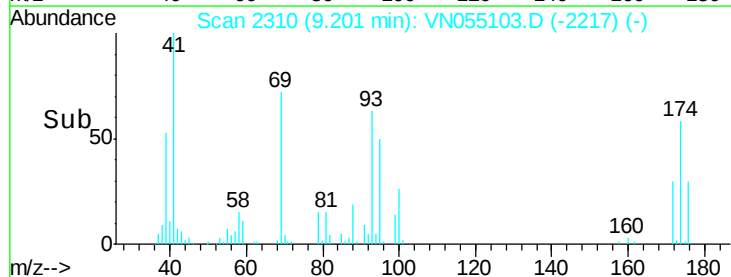
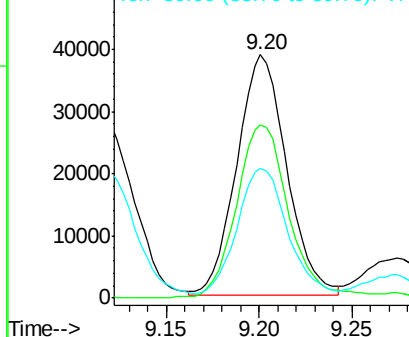


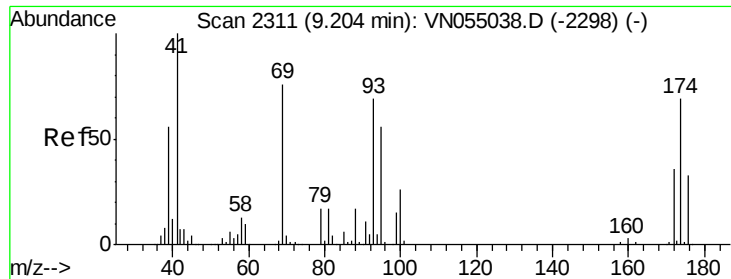
#48
Methyl methacrylate
Concen: 20.142 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion:	41	Resp:	72341
Ion Ratio	Lower	Upper	
41	100		
69	75.8	60.5	90.7
39	53.8	43.9	65.9



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



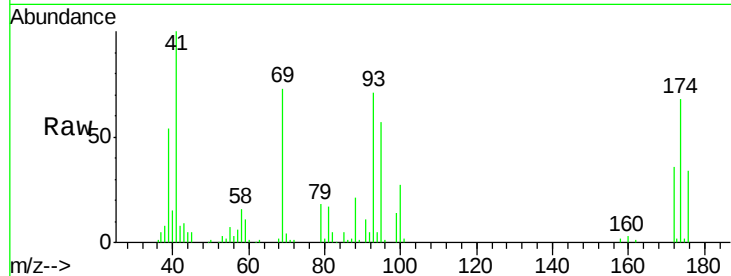


#49
1,4-Dioxane
Concen: 493.173 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

Tot Ion	88	Resp	16595
Ion	Ratio	Lower	Upper
88	100		
43	37.1	31.8	47.8
58	77.6	61.6	92.4

Manual Integrations
APPROVED

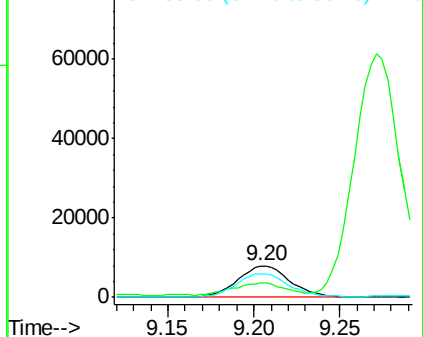


Abundance

Ion 88.00 (87.70 to 88.70): VN0

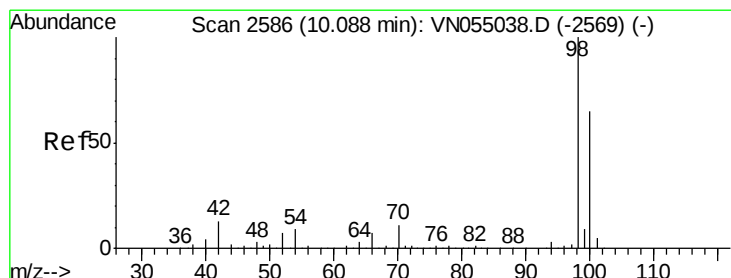
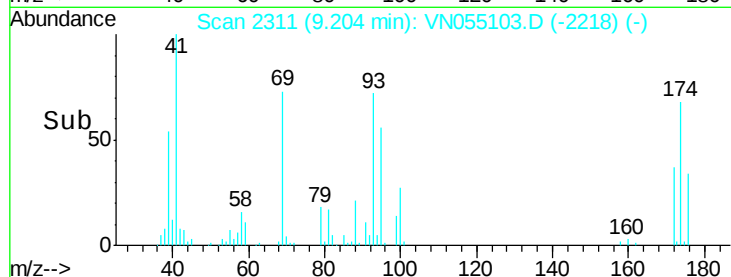
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



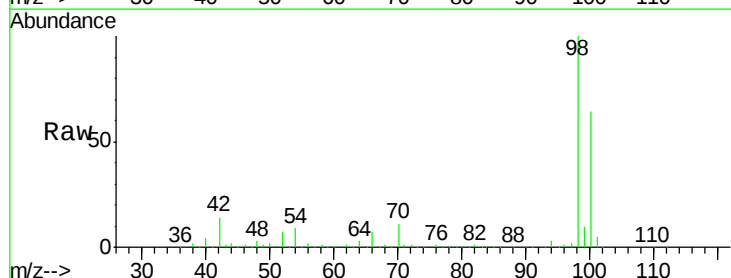
MMDadoda

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#50
Toluene-d8
Concen: 50.300 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

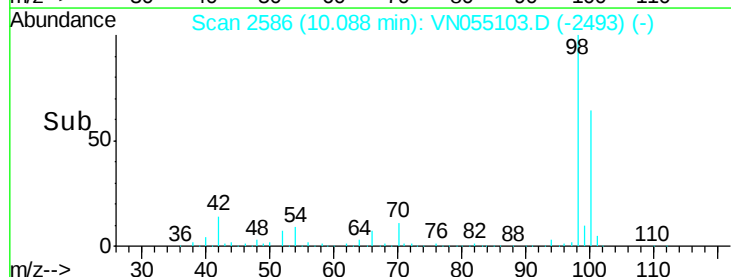
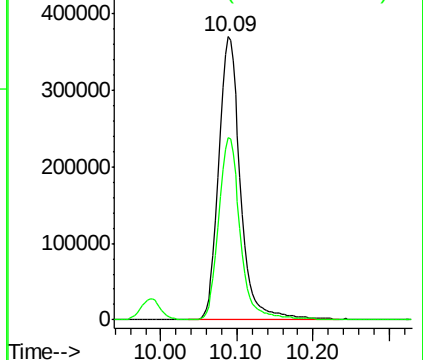
Tgt Ion	98	Resp	737238
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7



Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 102.428 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

MSVOA_N

ClientSampled :

VN0417WBSD01

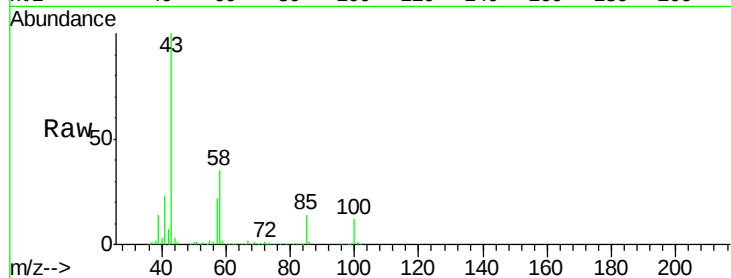
Tot Ion: 43 Resp: 428798

Ion Ratio Lower Upper

43 100

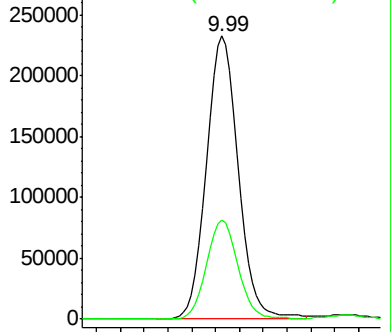
58 34.9 29.0 43.4

Manual Integrations
APPROVED



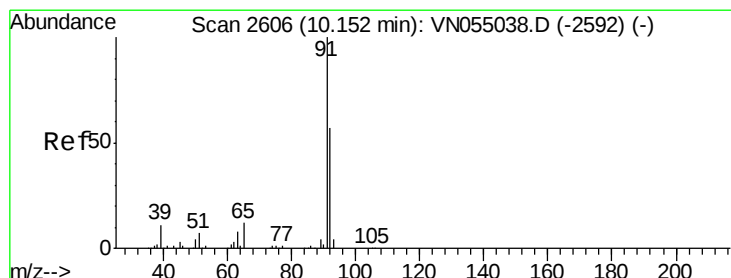
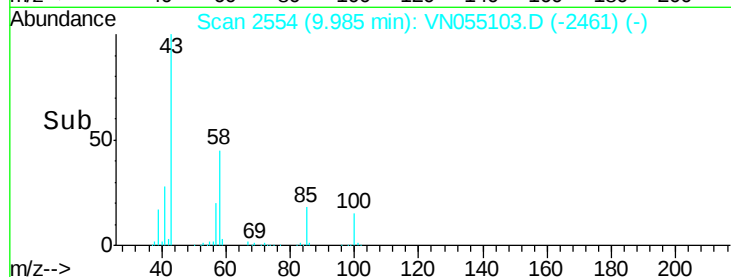
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



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#52

Toluene

Concen: 20.481 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055103.D

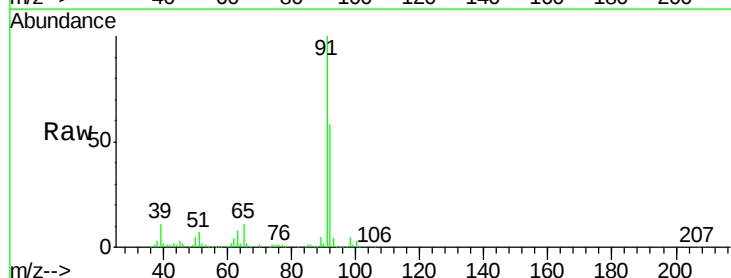
Acq: 17 Apr 2019 13:57

Tgt Ion: 92 Resp: 204220

Ion Ratio Lower Upper

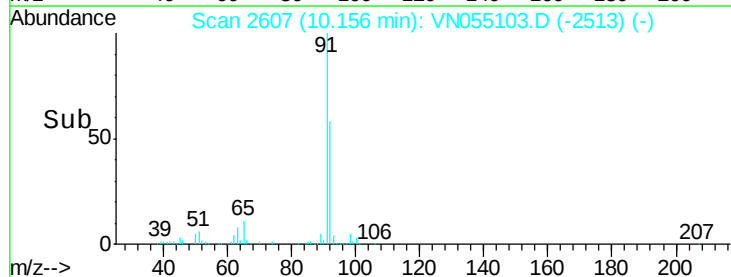
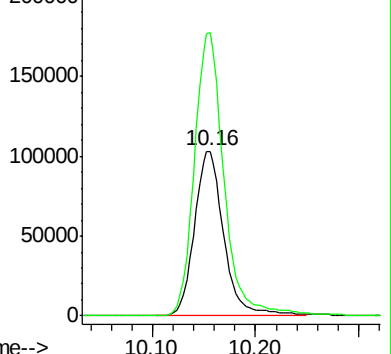
92 100

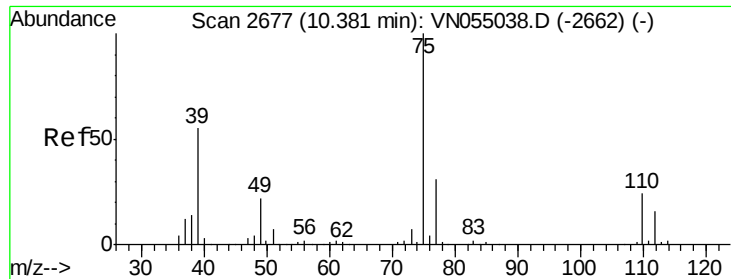
91 175.1 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



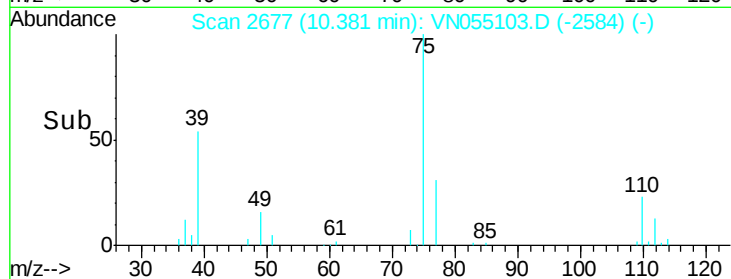
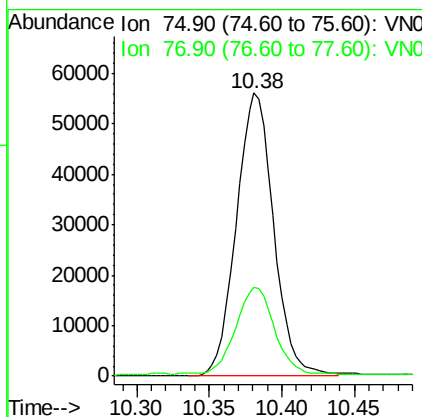
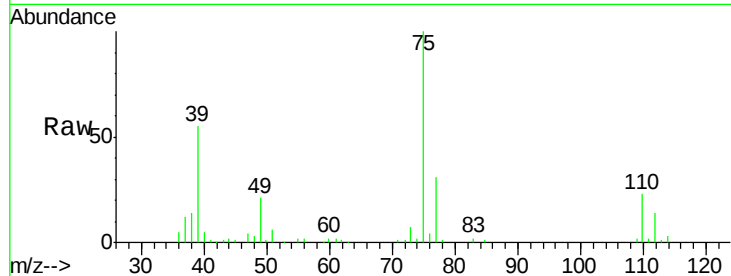


#53
t-1,3-Dichloropropene
Concen: 20.132 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

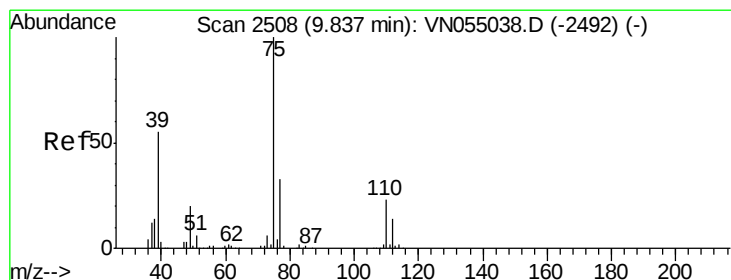
Tot Ion: 75 Resp: 100241
Ion Ratio Lower Upper
75 100
77 30.4 24.6 37.0

Manual Integrations
APPROVED



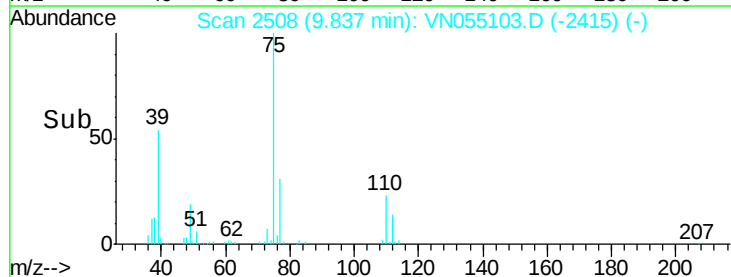
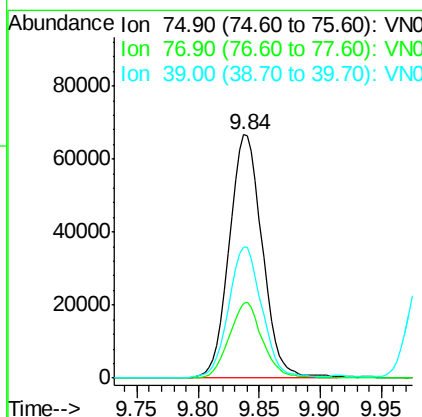
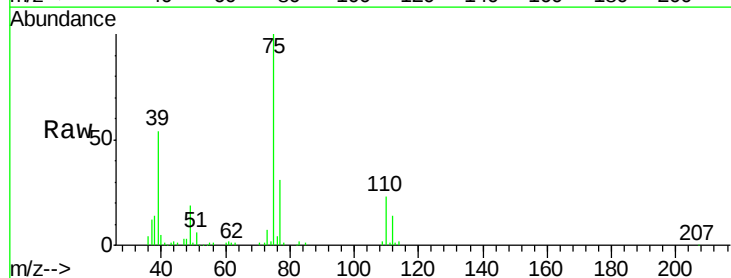
MMDadoda

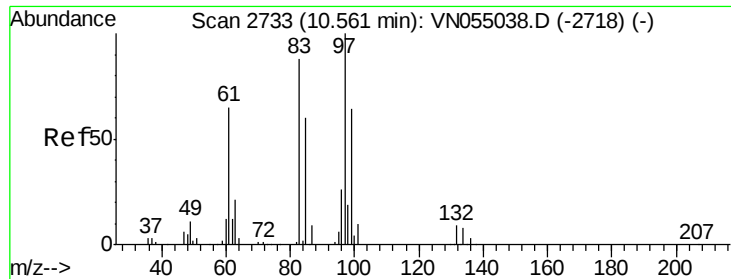
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#54
cis-1,3-Dichloropropene
Concen: 20.455 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion: 75 Resp: 126413
Ion Ratio Lower Upper
75 100
77 30.7 25.8 38.6
39 53.4 43.8 65.8



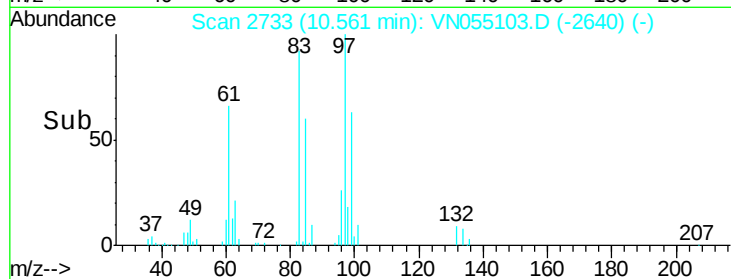
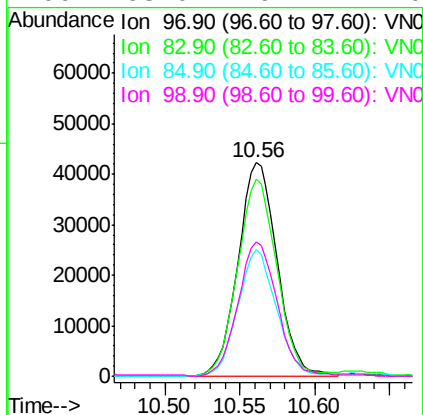
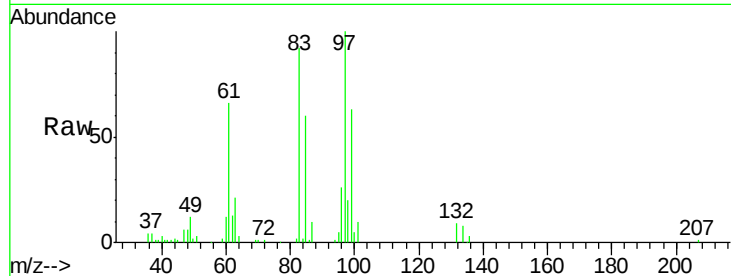


#55
 1,1,2-Trichloroethane
 Concen: 20.068 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0417WBSD01

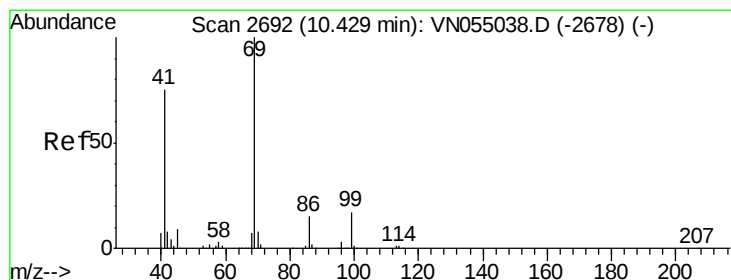
Tot Ion:	97	Resp:	77093
Ion	Ratio	Lower	Upper
97	100		
83	92.2	70.5	105.7
85	59.5	45.5	68.3
99	63.0	49.4	74.0

Manual Integrations
 APPROVED



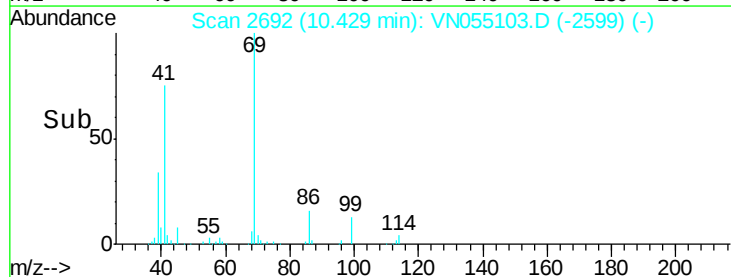
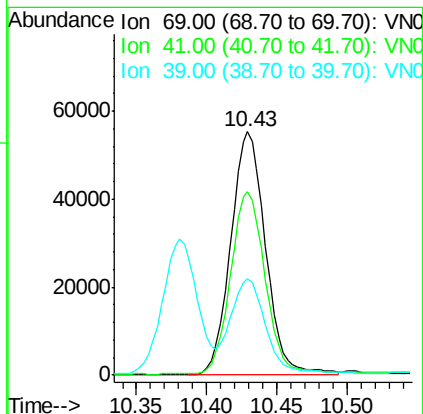
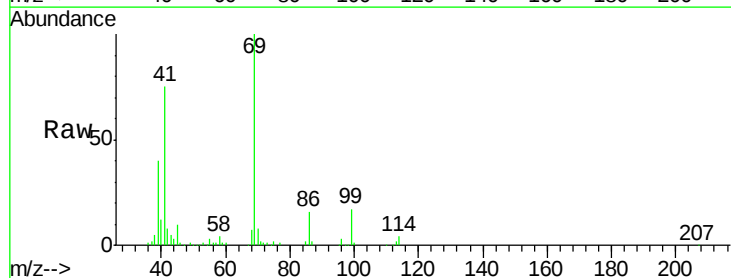
MMDadoda

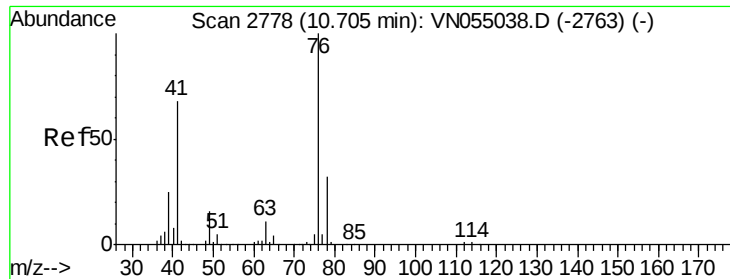
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#56
 Ethyl methacrylate
 Concen: 20.811 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Tgt Ion:	69	Resp:	95947
Ion	Ratio	Lower	Upper
69	100		
41	73.8	61.4	92.0
39	39.5	30.8	46.2



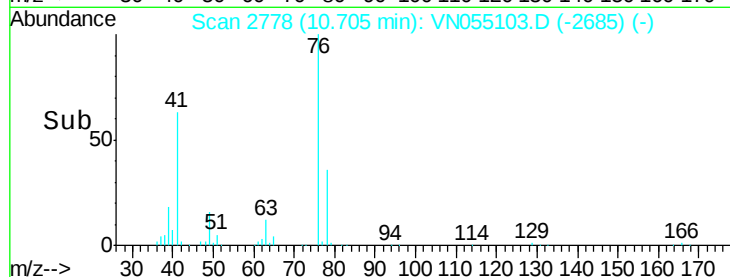
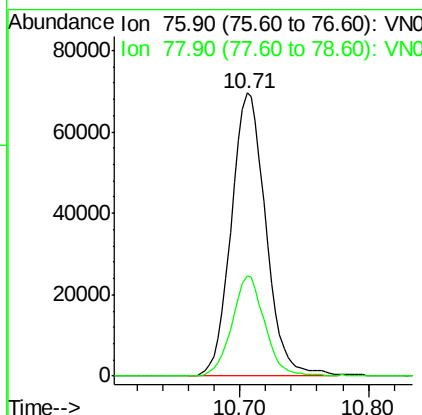
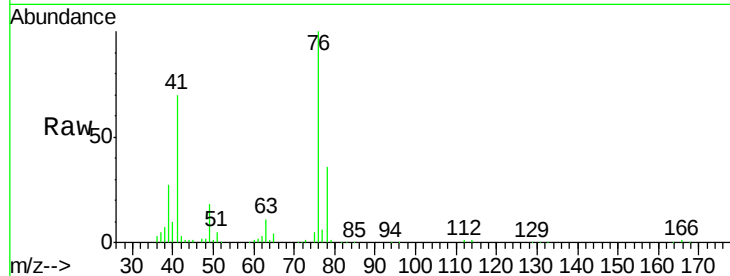


#57
 1,3-Dichloropropane
 Concen: 19.807 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBSD01

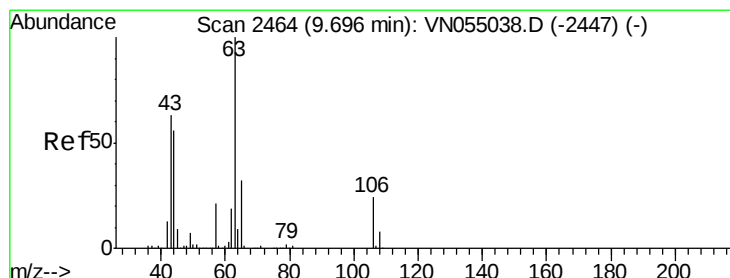
Tot Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.6	38.4

Manual Integrations
 APPROVED



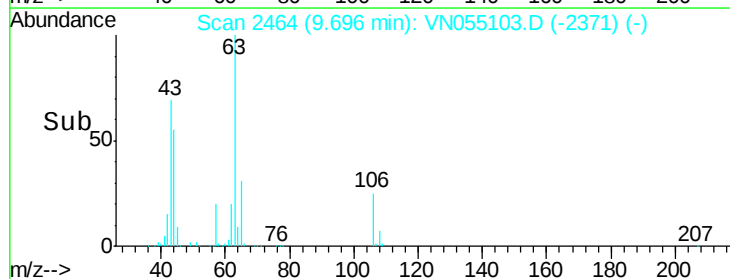
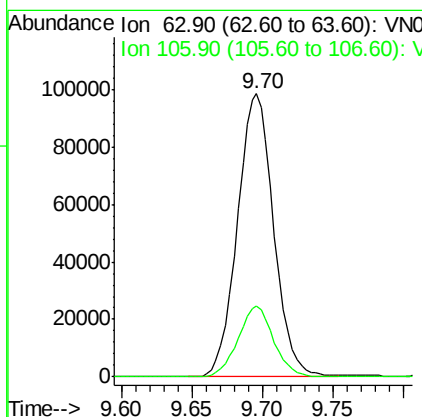
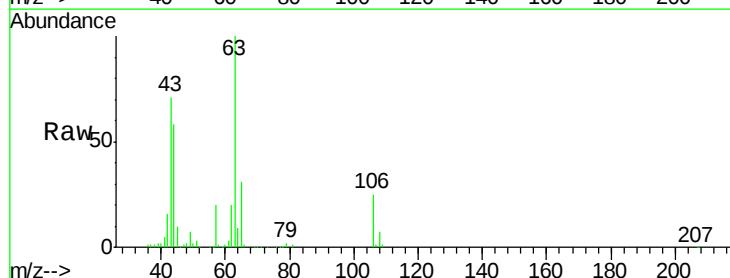
MMDadoda

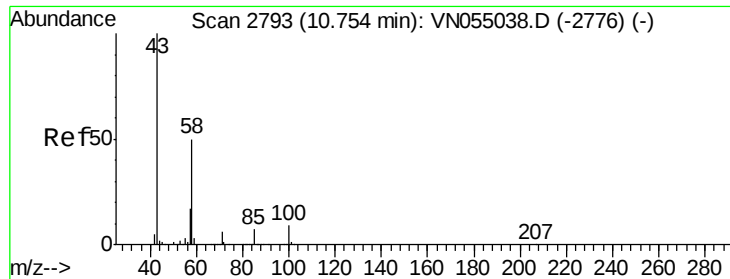
4/19/2019 12:21:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.448 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	20.0	30.0



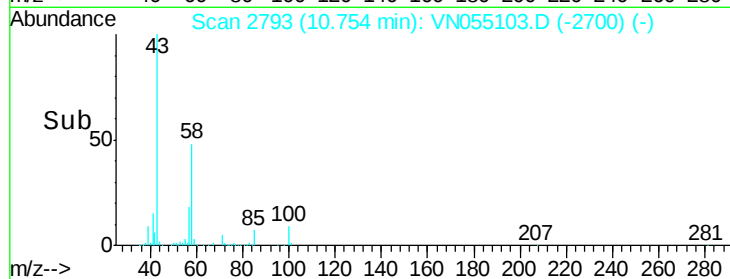
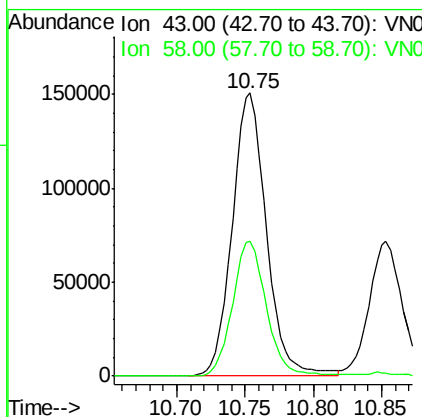
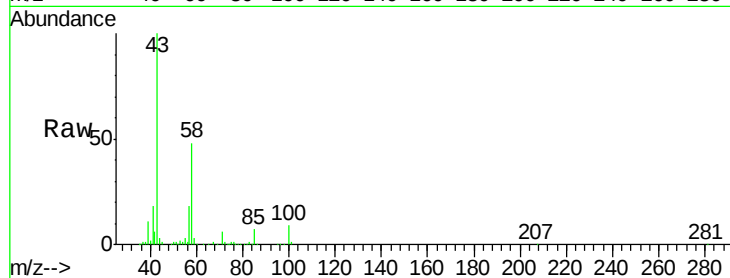


#59
2-Hexanone
Concen: 98.986 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

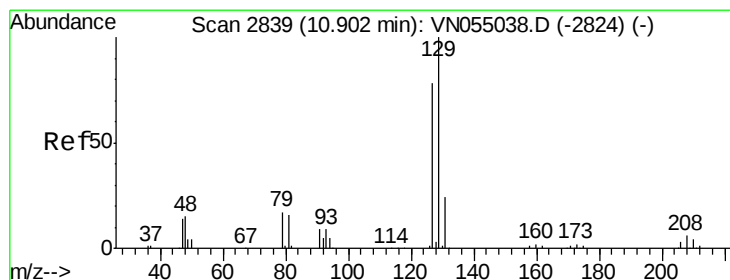
Tot Ion	Ratio	Lower	Upper
43	100		
58	47.9	25.1	75.2

Manual Integrations
APPROVED



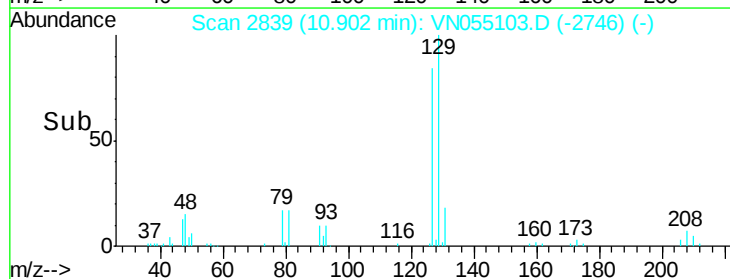
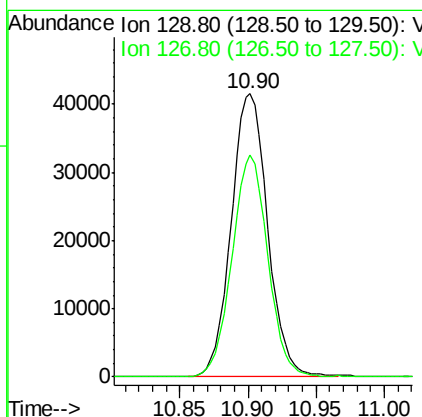
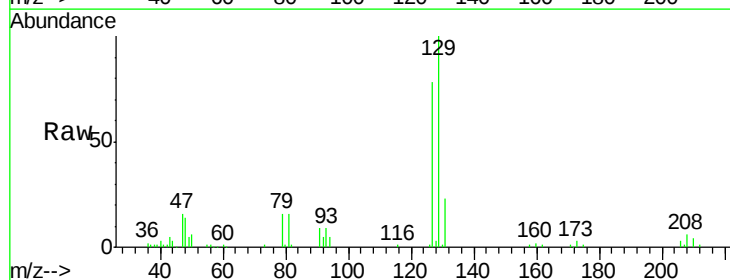
MMDadoda

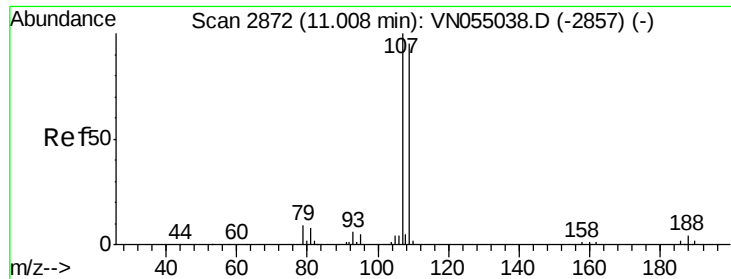
4/19/2019 12:21:30 PM



#60
Dibromochloromethane
Concen: 20.557 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.2	114.6



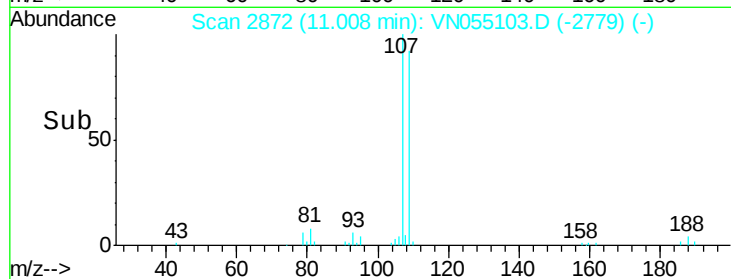
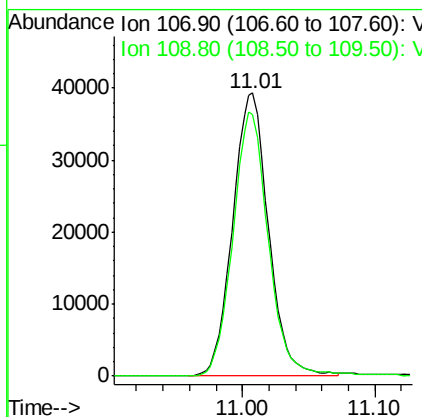
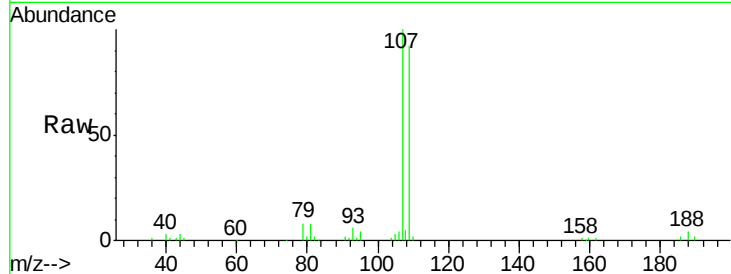


#61
 1,2-Dibromoethane
 Concen: 20.836 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0417WBSD01

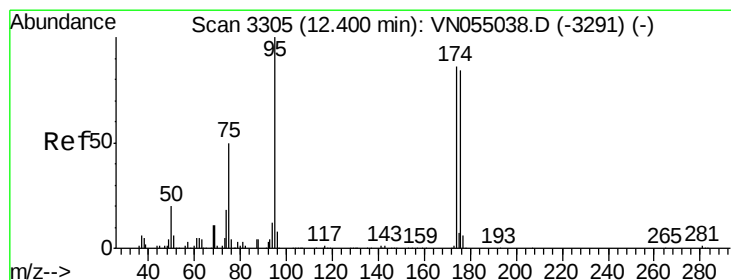
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	76.5	114.7

Manual Integrations
 APPROVED



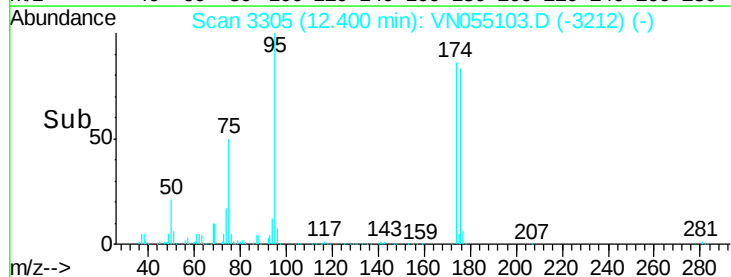
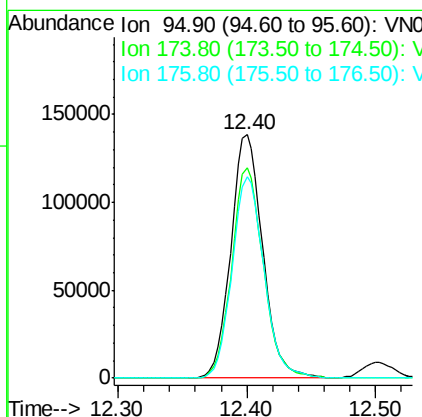
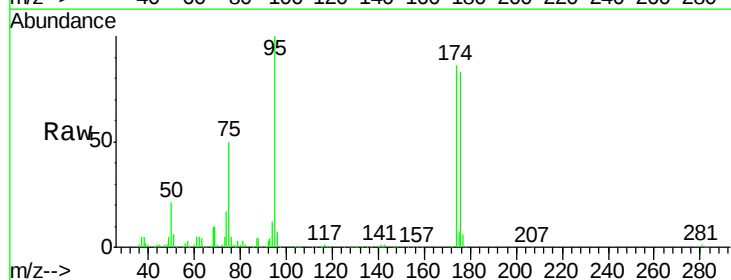
MMDadoda

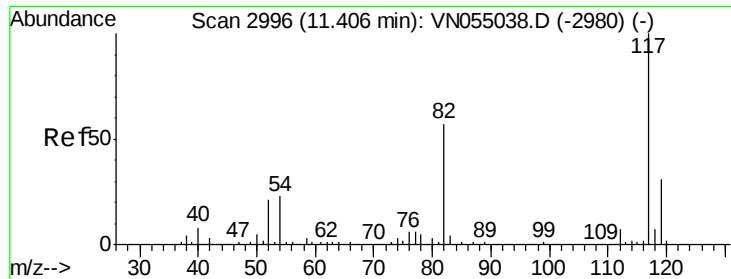
4/19/2019 12:21:30 PM



#62
 4-Bromofluorobenzene
 Concen: 49.920 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	174.4
176	83.0	0.0	166.8



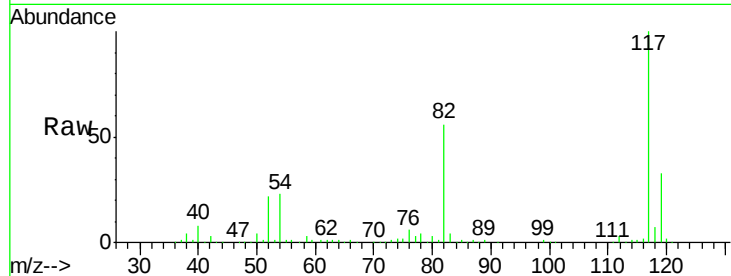


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.6	66.8
119	32.6	25.5	38.3

Manual Integrations
APPROVED

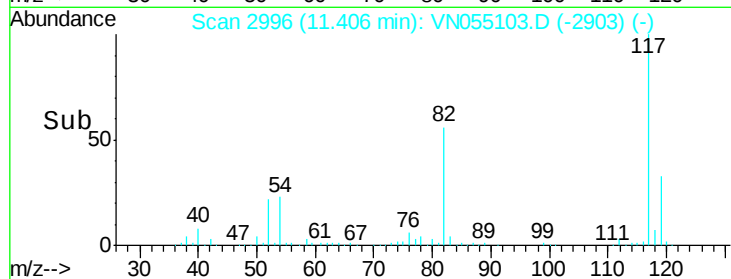
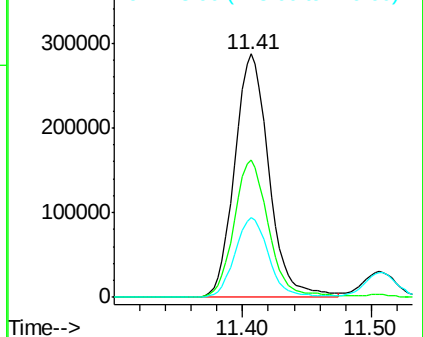


Abundance

Ion 116.90 (116.60 to 117.60): V

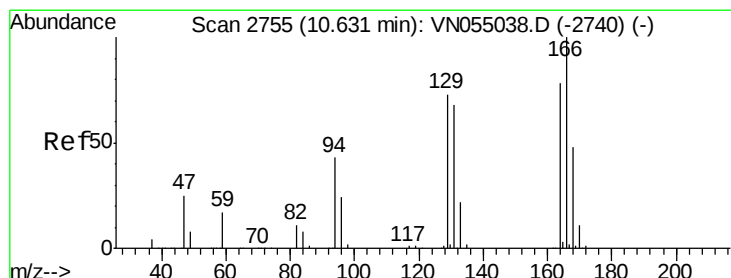
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



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#64
Tetrachloroethene
Concen: 19.022 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	100.0	150.0
129	94.8	72.0	108.0
131	89.7	69.7	104.5

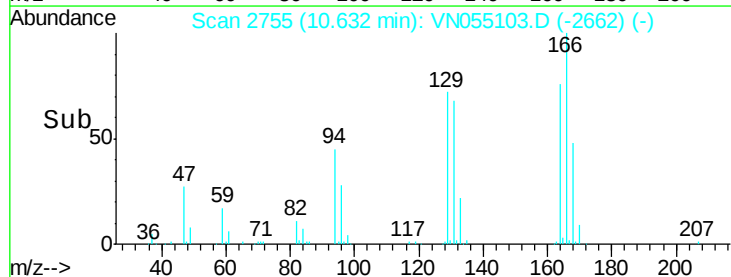
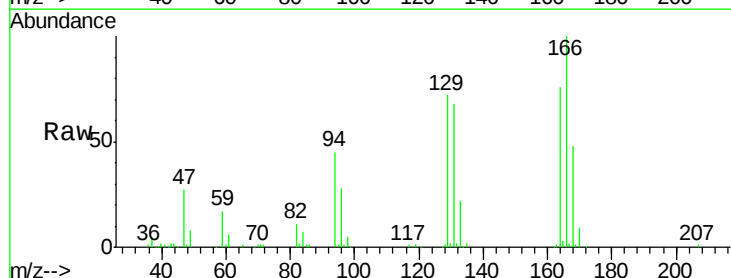
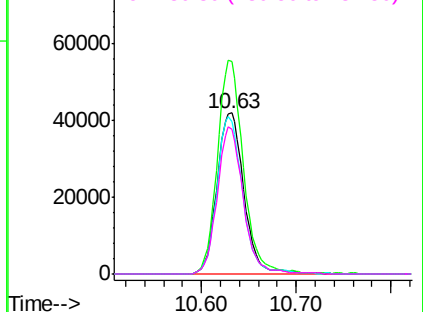
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



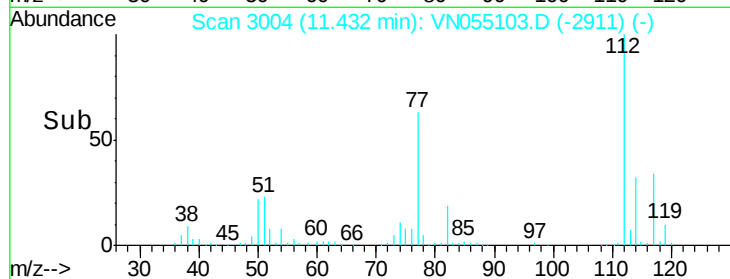
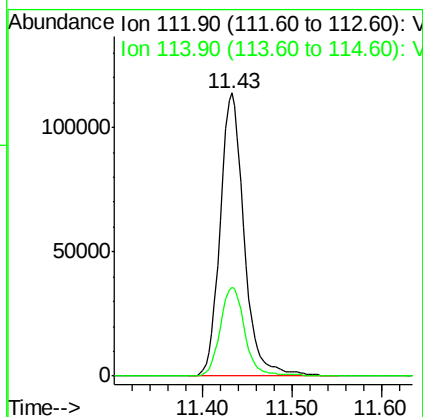
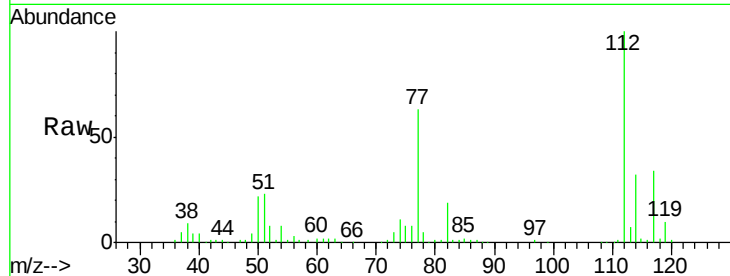


#65
Chlorobenzene
Concen: 19.727 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

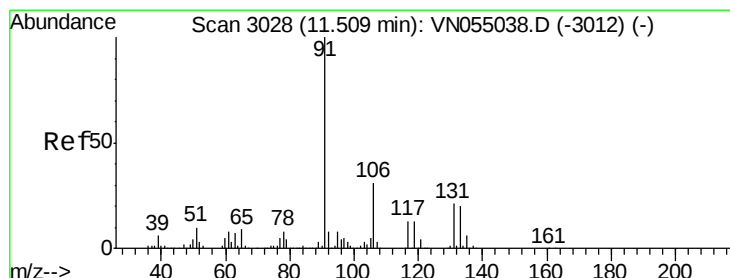
Tot Ion:112 Resp: 211598
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

Manual Integrations
APPROVED



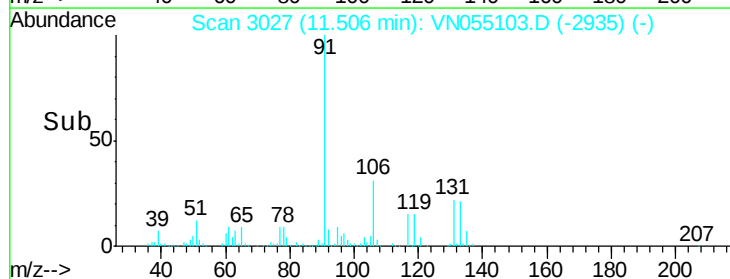
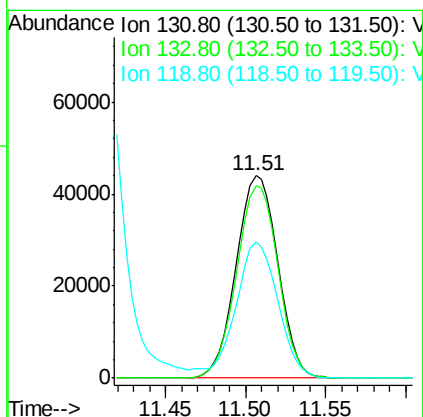
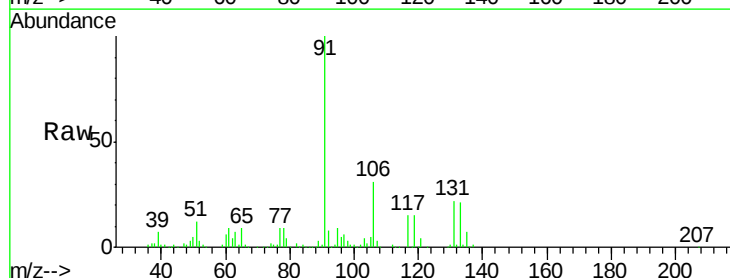
MMDadoda

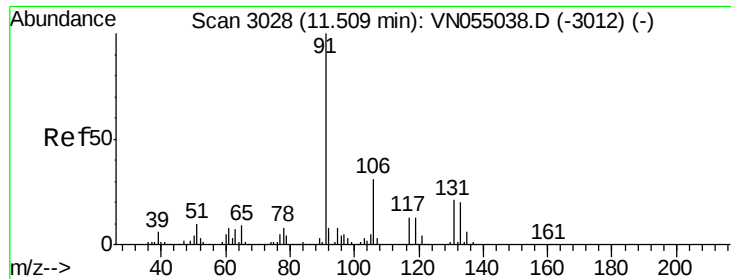
4/19/2019 12:21:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.821 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion:131 Resp: 78194
Ion Ratio Lower Upper
131 100
133 94.5 47.8 143.3
119 67.0 33.6 100.6



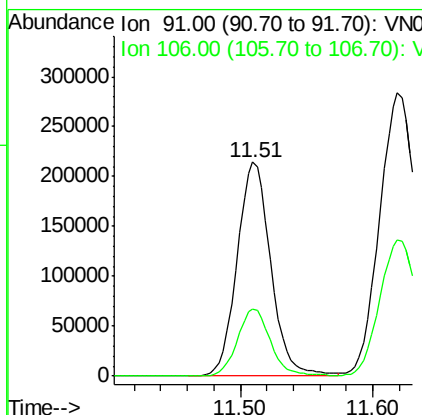
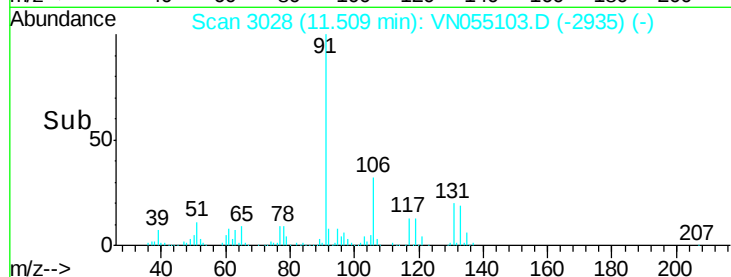
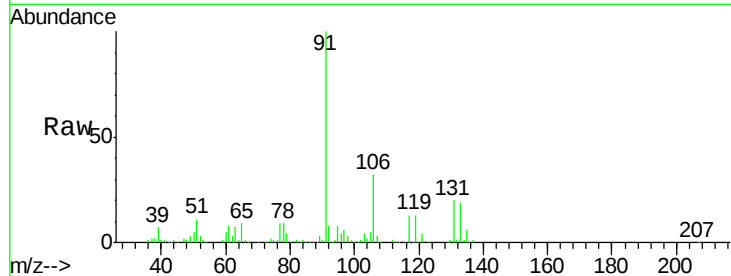


#67
Ethyl Benzene
Concen: 19.780 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

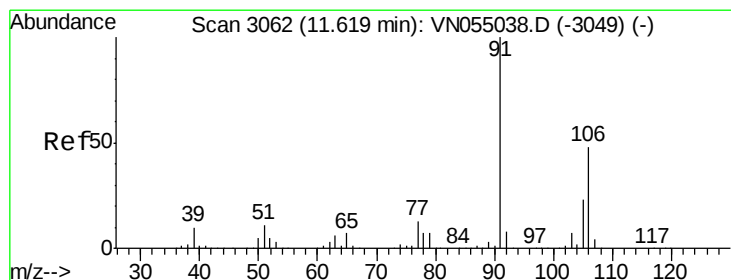
Tot Ion: 91 Resp: 378893
Ion Ratio Lower Upper
91 100
106 31.6 24.3 36.5

Manual Integrations
APPROVED



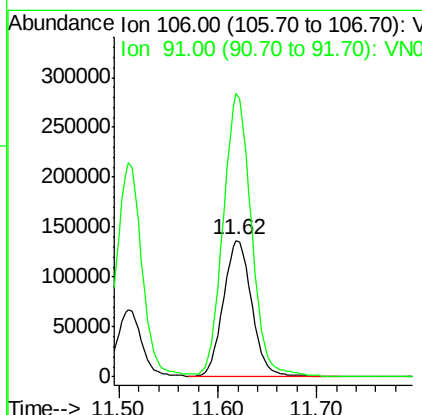
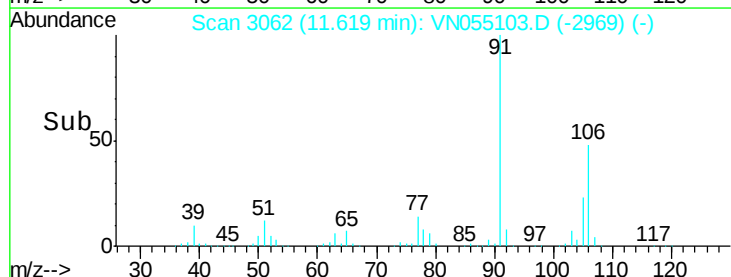
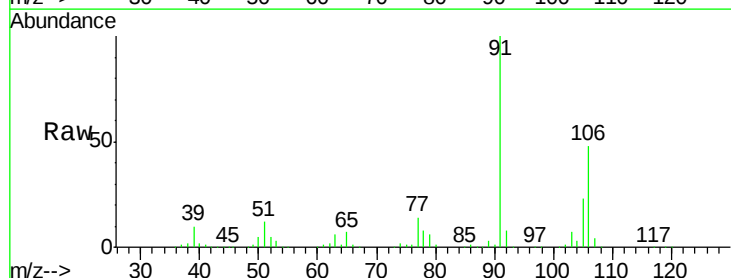
MMDadoda

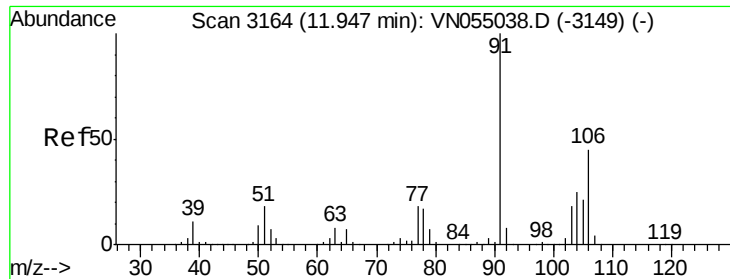
4/19/2019 12:21:30 PM



#68
m/p-Xylenes
Concen: 39.986 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion: 106 Resp: 277357
Ion Ratio Lower Upper
106 100
91 205.8 165.9 248.9



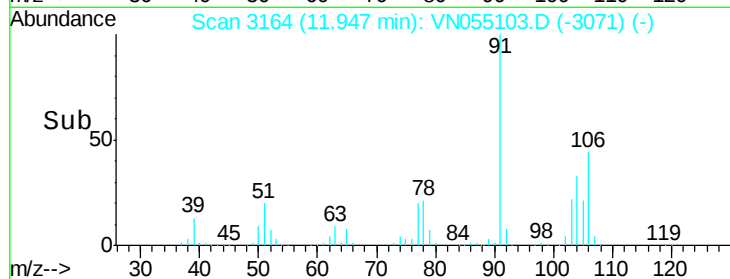
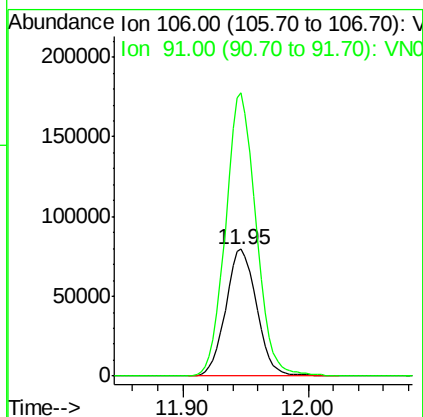
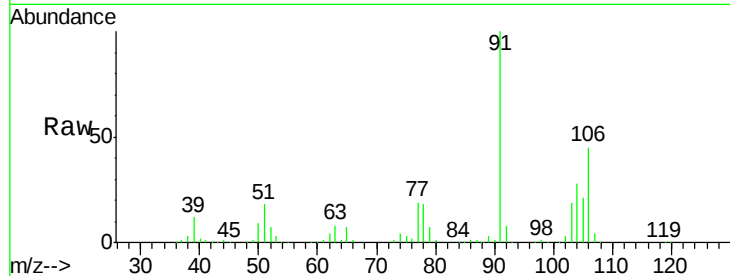


#69
o-Xylene
Concen: 20.335 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

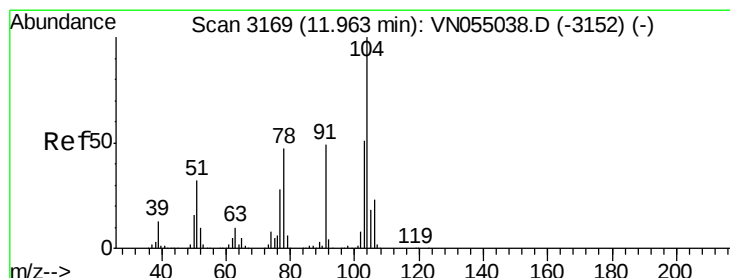
Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.6	109.9	329.8	

Manual Integrations
APPROVED



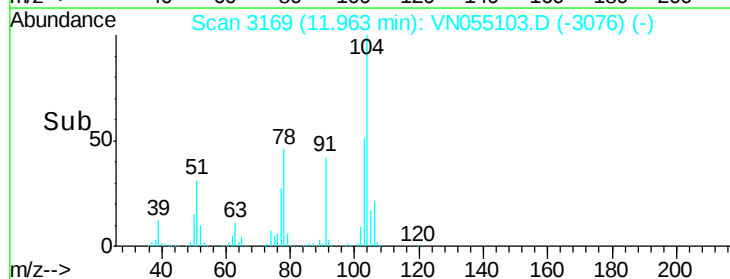
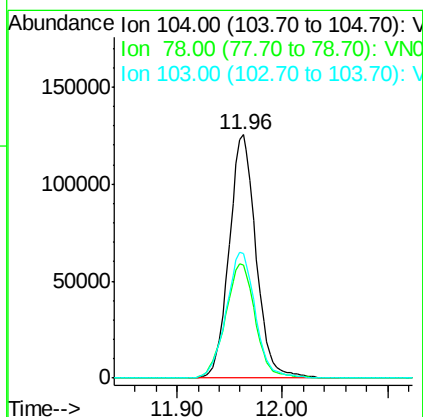
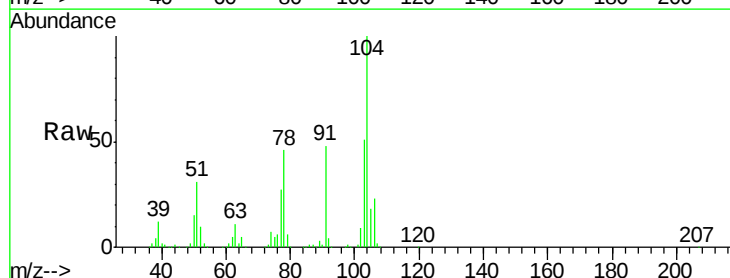
MMDadoda

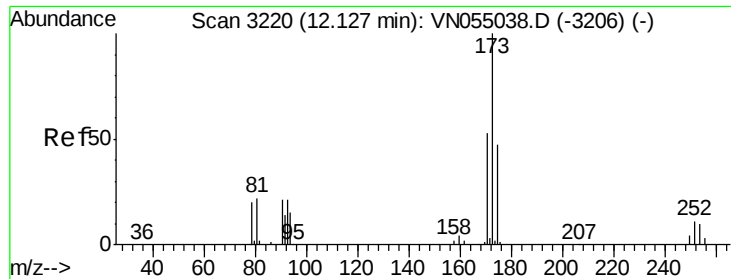
4/19/2019 12:21:30 PM



#70
Styrene
Concen: 20.319 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.3	40.3	60.5	
103	56.4	44.3	66.5	





#71

Bromoform

Concen: 20.046 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

MSVOA_N

ClientSampled :

VN0417WBSD01

Tot Ion:173 Resp: 45328

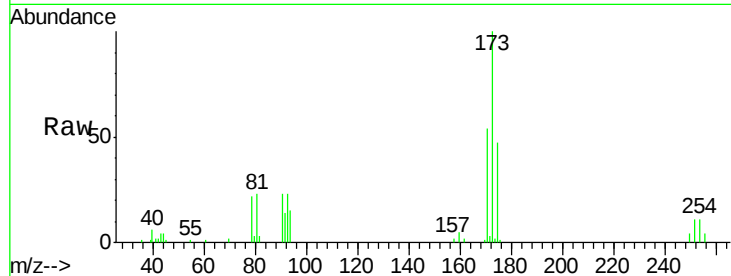
Ion Ratio Lower Upper

173 100

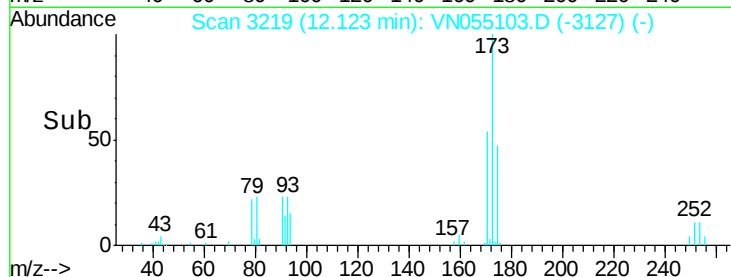
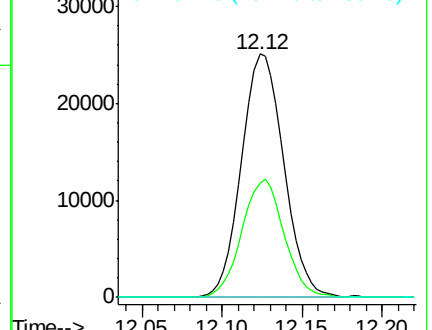
175 48.4 24.3 73.0

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

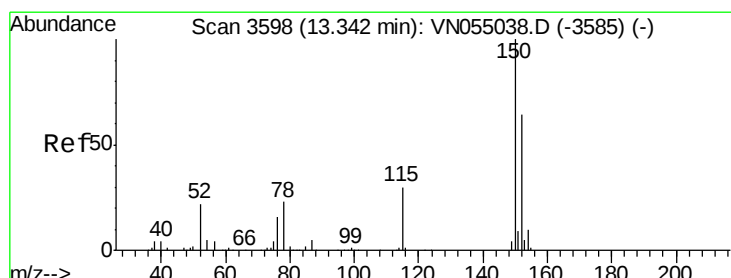


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



MMDadoda

4/19/2019 12:21:30 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

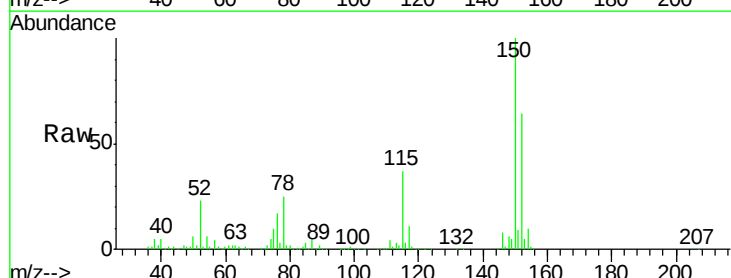
Tgt Ion:152 Resp: 214373

Ion Ratio Lower Upper

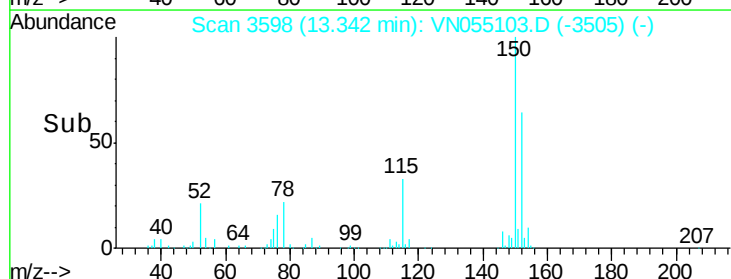
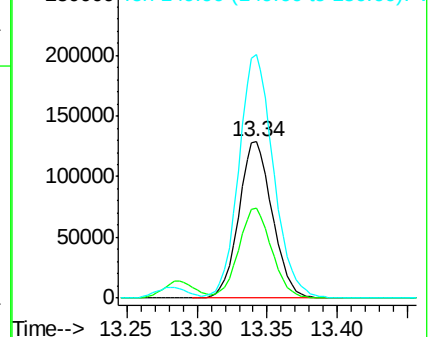
152 100

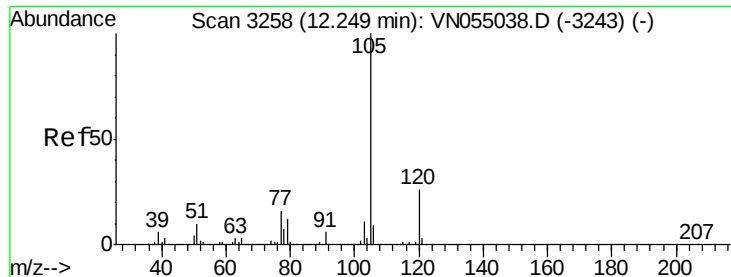
115 56.9 28.5 85.6

150 161.1 0.0 347.2



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: 19.146 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

MSVOA_N

ClientSampled :

VN0417WBSD01

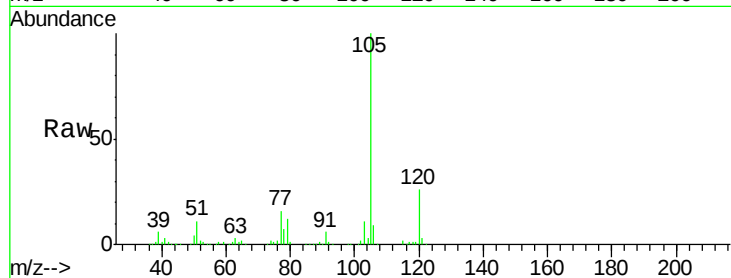
Tot Ion:105 Resp: 364217

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.9

Manual Integrations
APPROVED



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

0

12.20

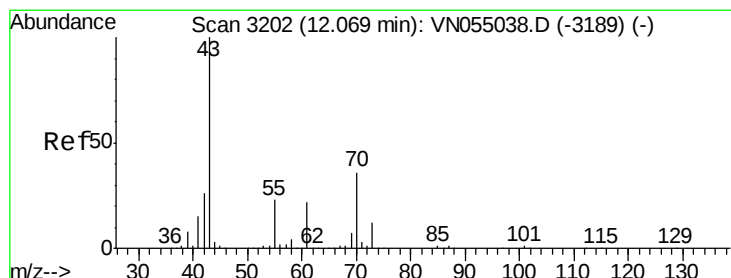
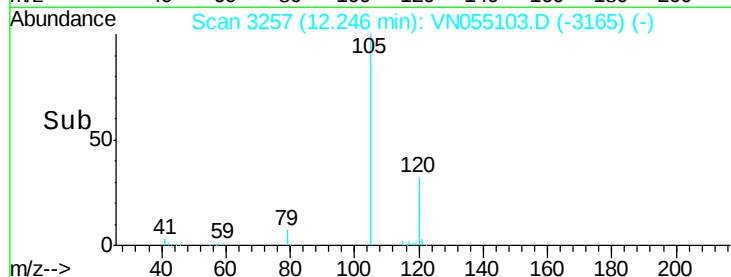
12.25

12.30

Time-->

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#74

N-ethyl acetate

Concen: 20.454 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Tgt Ion: 43 Resp: 109528

Ion Ratio Lower Upper

43 100

70 35.9 29.4 44.0

55 24.5 19.0 28.4

61 21.4 17.7 26.5

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

100000

80000

60000

40000

20000

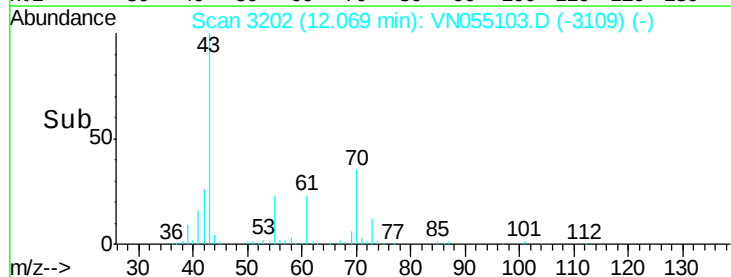
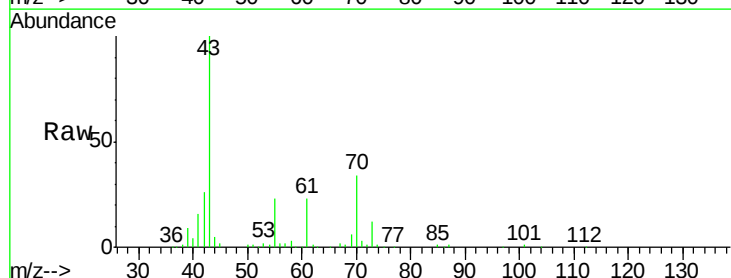
0

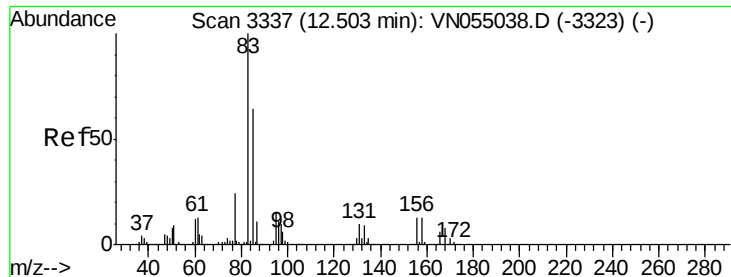
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.634 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

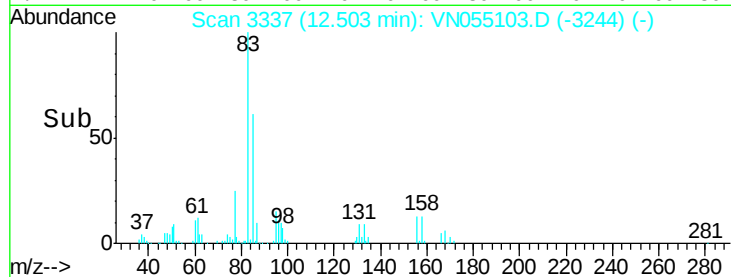
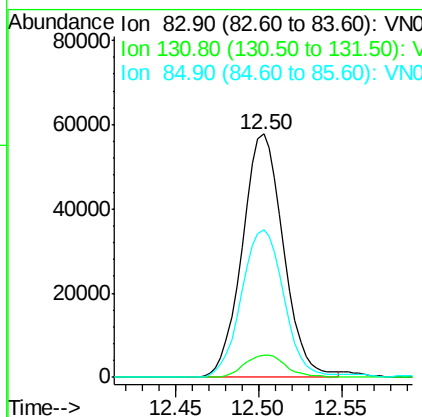
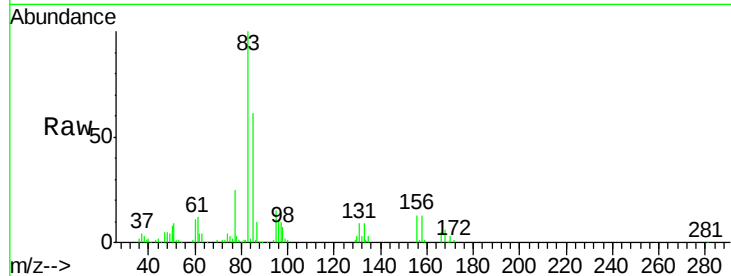
MSVOA_N

ClientSampled :

VN0417WBSD01

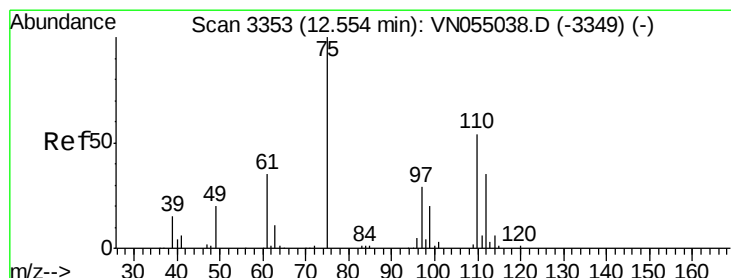
Tot Ion:	83	Resp:	99939
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	15.0
85	63.3	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.975 ug/l m

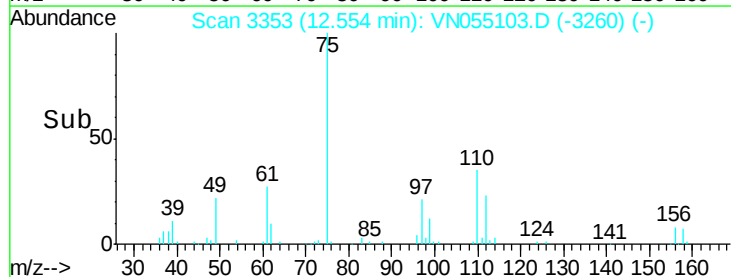
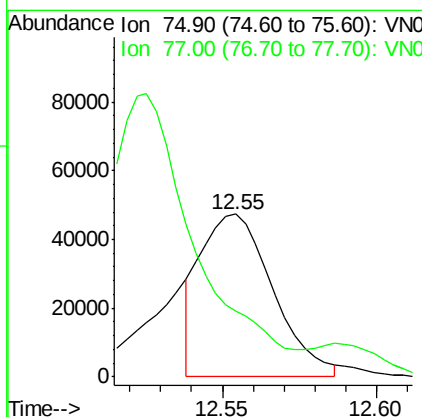
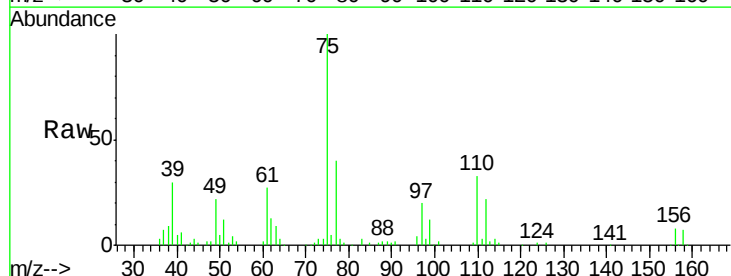
RT: 12.55 min Scan# 3353

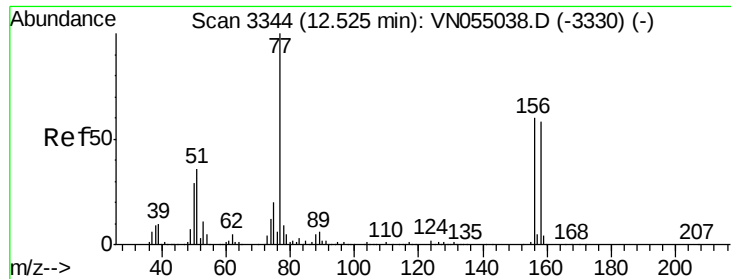
Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Tgt Ion:	75	Resp:	77004
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



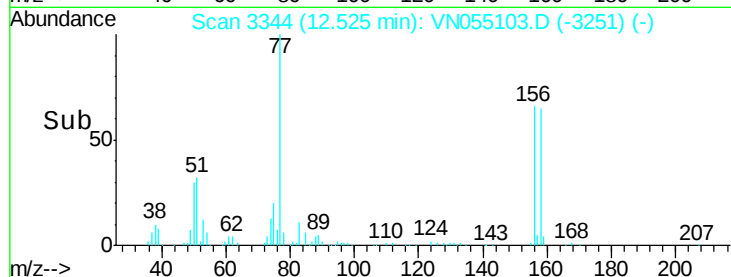
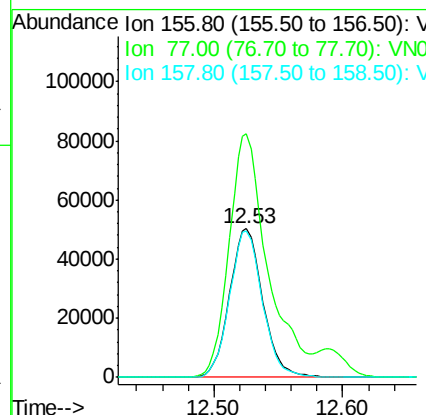
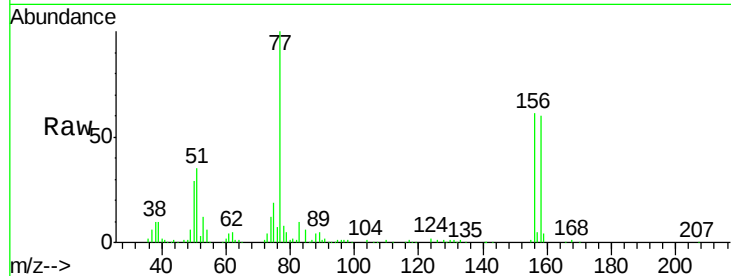


#77
Bromobenzene
Concen: 18.912 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

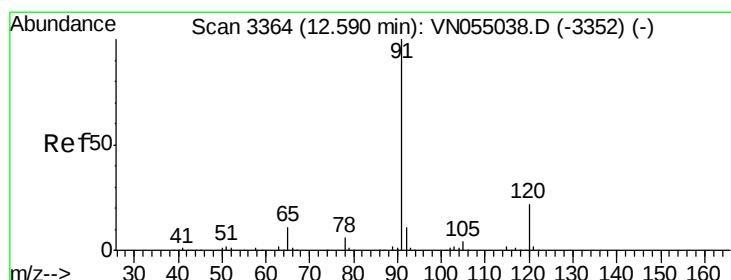
Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	189.9	97.2	291.5	
158	97.4	48.6	145.9	

Manual Integrations
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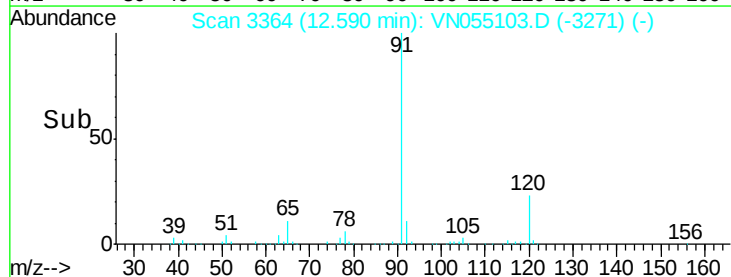
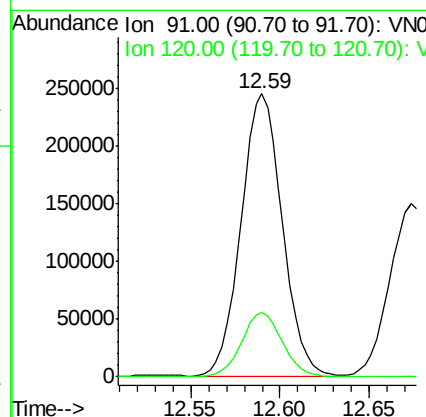
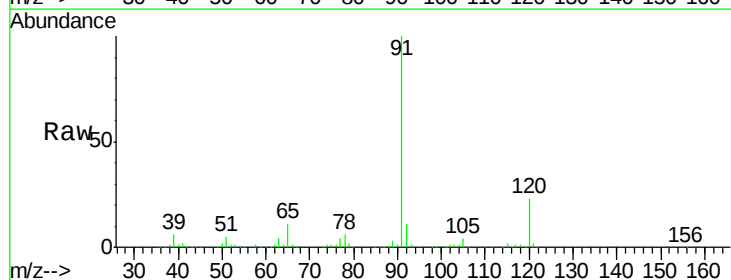
MMDadoda

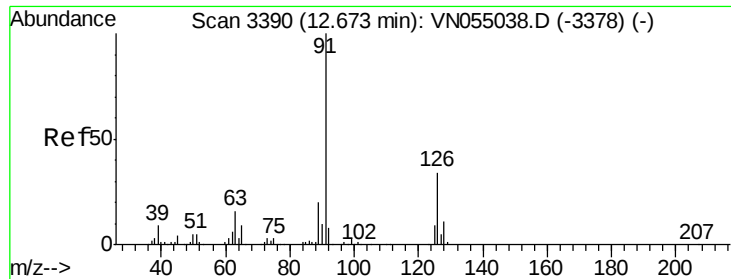
4/19/2019 12:21:30 PM



#78
n-propylbenzene
Concen: 19.174 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.8	11.2	33.5	



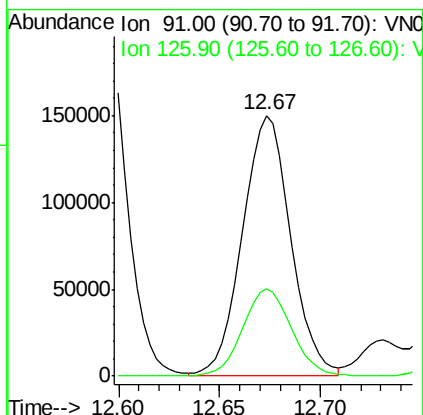
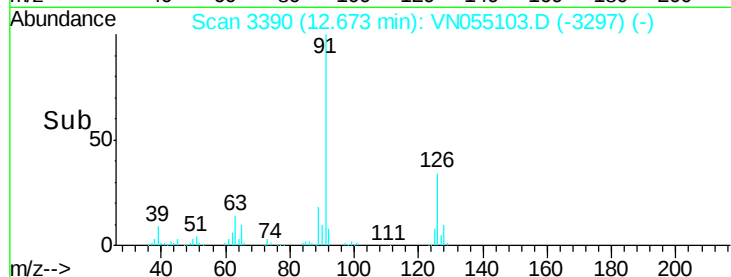
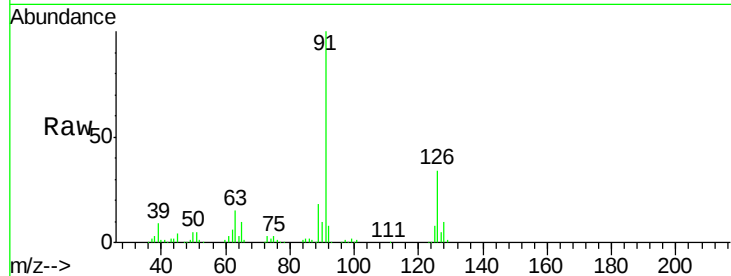


#79
2-Chlorotoluene
Concen: 19.442 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

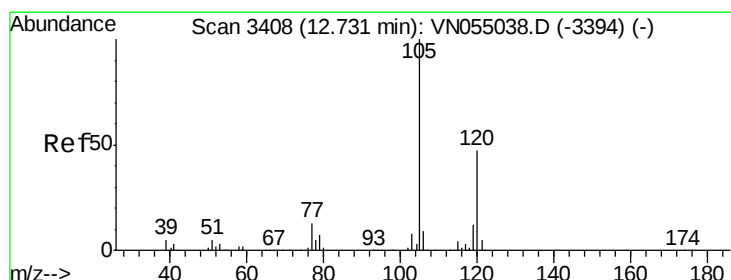
Tot Ion: 91 Resp: 249233
Ion Ratio Lower Upper
91 100
126 34.2 17.1 51.2

Manual Integrations
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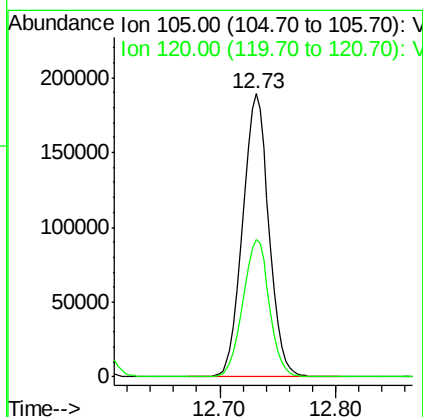
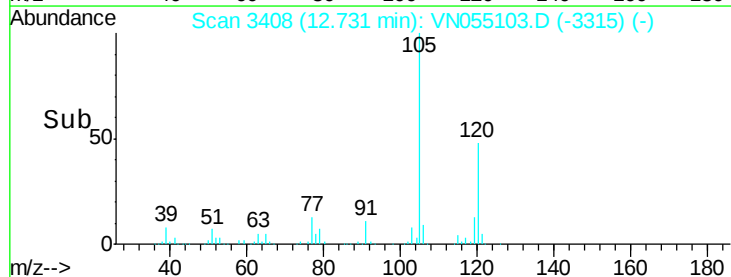
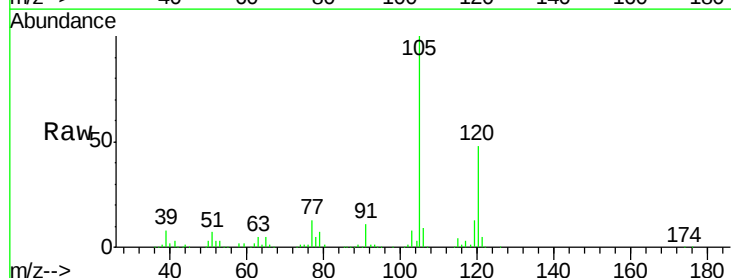
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#80
1,3,5-Trimethylbenzene
Concen: 19.368 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion: 105 Resp: 297318
Ion Ratio Lower Upper
105 100
120 48.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.607 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

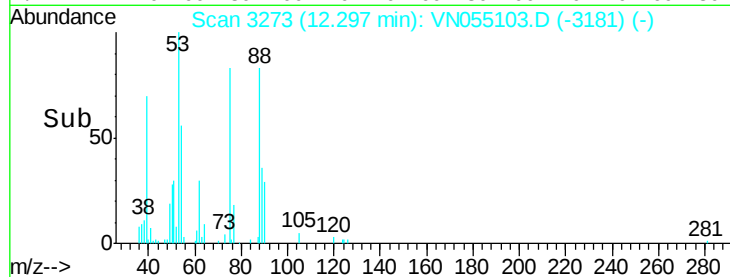
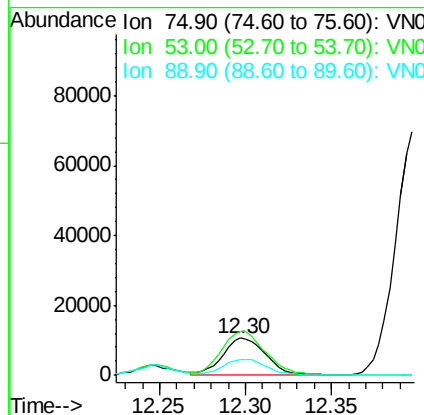
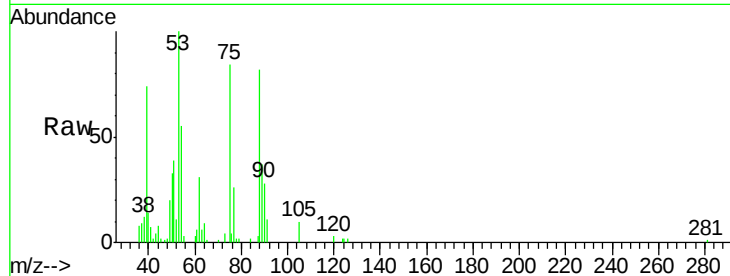
MSVOA_N

ClientSampled :

VN0417WBSD01

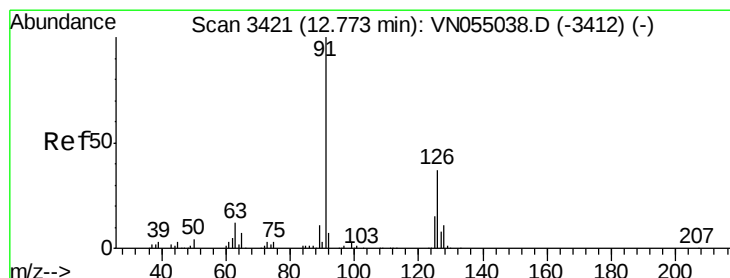
Tot Ion:	75	Resp:	18901
Ion	Ratio	Lower	Upper
75	100		
53	121.3	96.3	144.5
89	44.7	38.6	57.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.914 ug/l

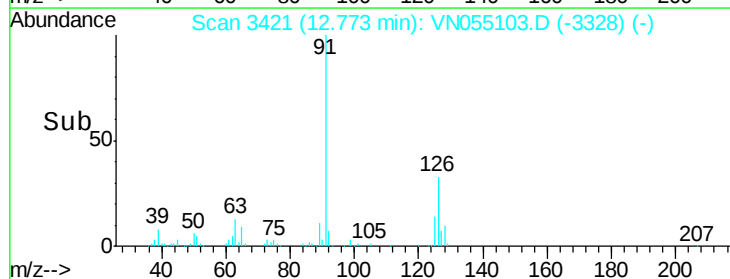
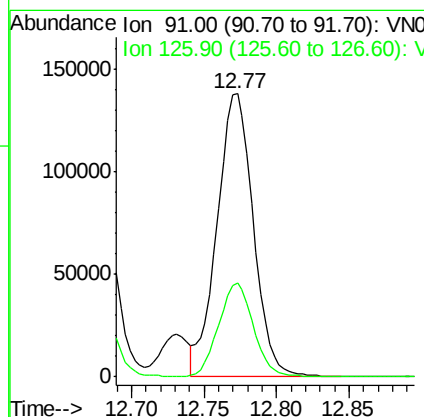
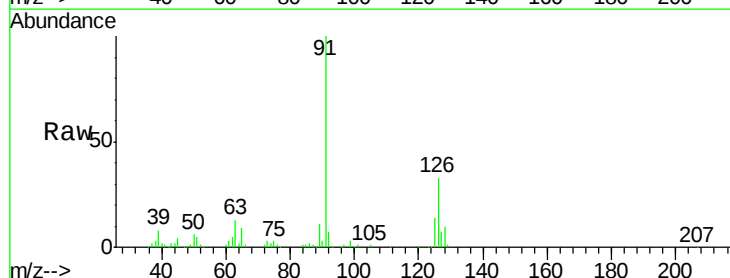
RT: 12.77 min Scan# 3421

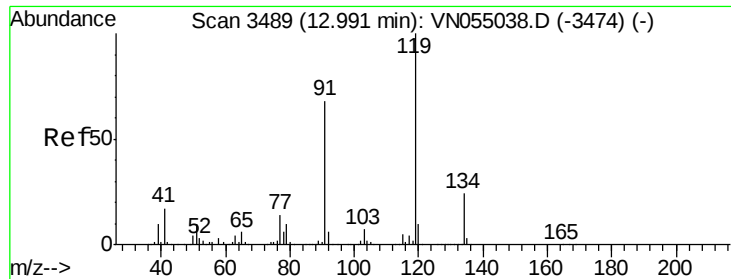
Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Tgt Ion:	91	Resp:	238175
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.2



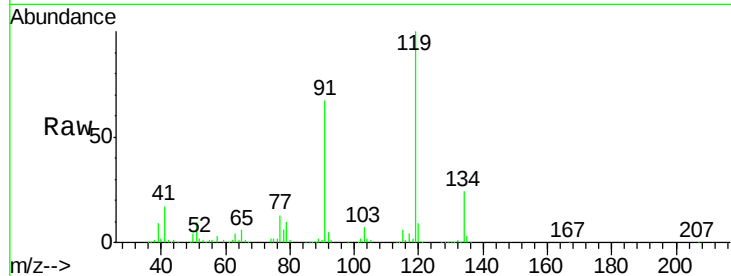


#83
tert-Butylbenzene
Concen: 19.666 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

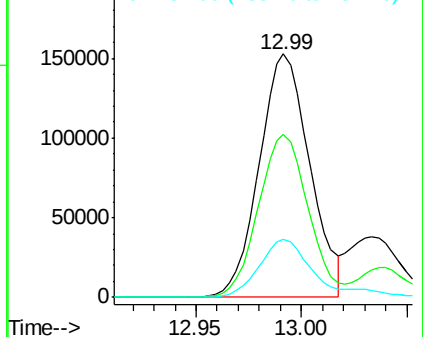
Instrument :
MSVOA_N
ClientSampled :
VN0417WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	33.3	99.8
134	26.2	12.3	36.9

Manual Integrations
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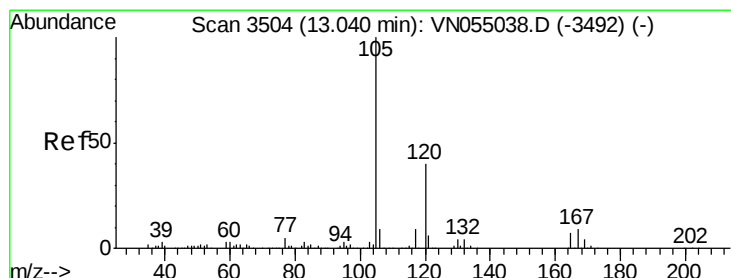
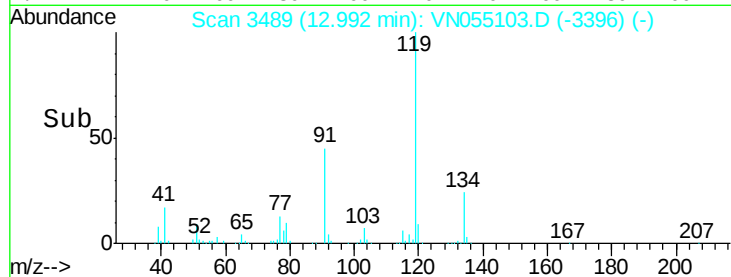


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



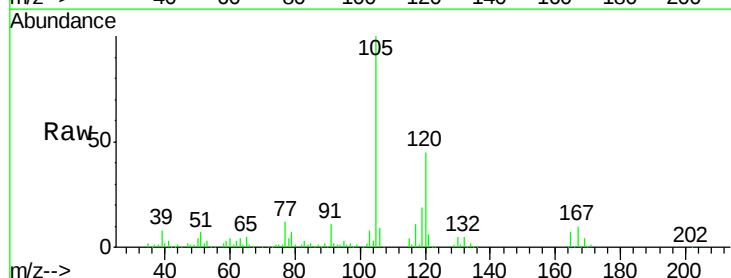
MMDadoda

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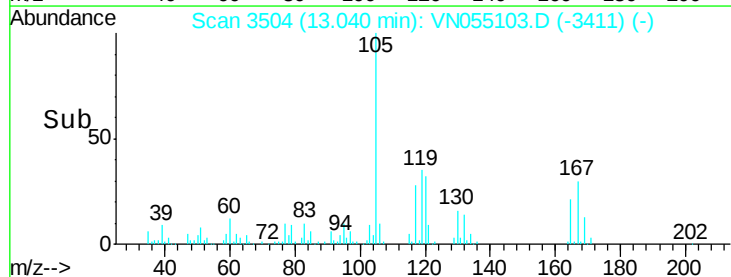
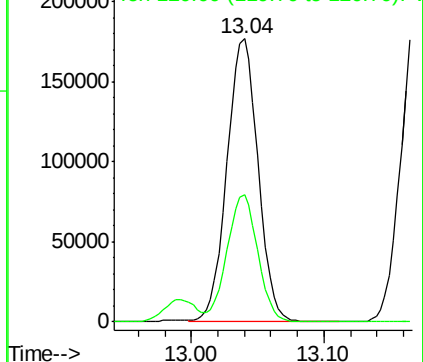


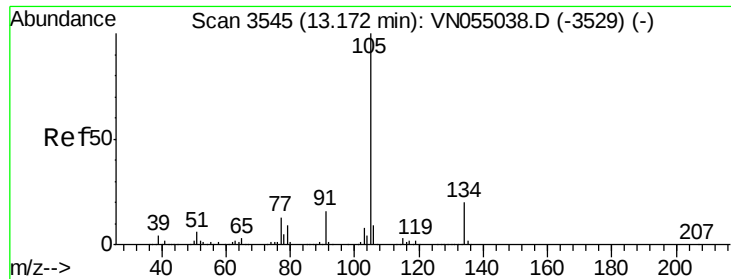
#84
1,2,4-Trimethylbenzene
Concen: 19.762 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055103.D
Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3



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



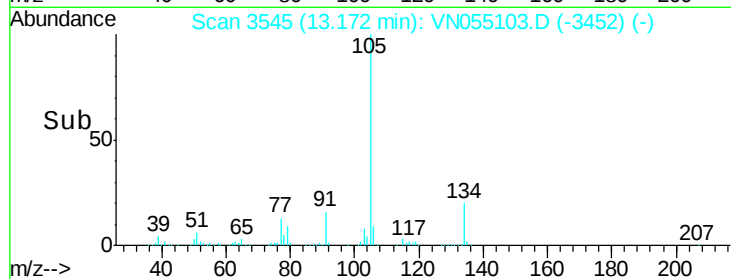
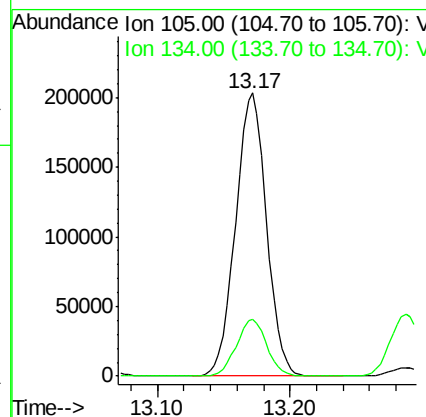
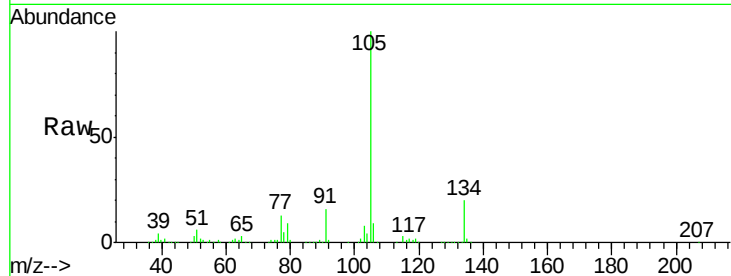


#85
 sec-Butylbenzene
 Concen: 19.874 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0417WBSD01

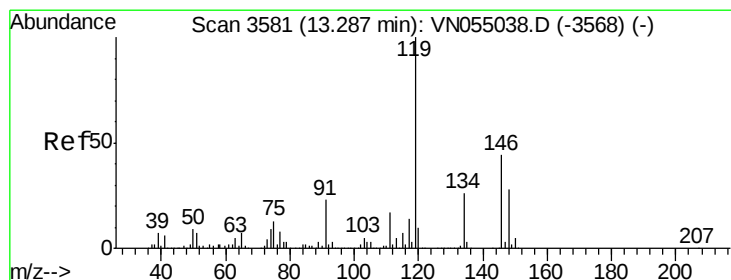
Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.3

Manual Integrations
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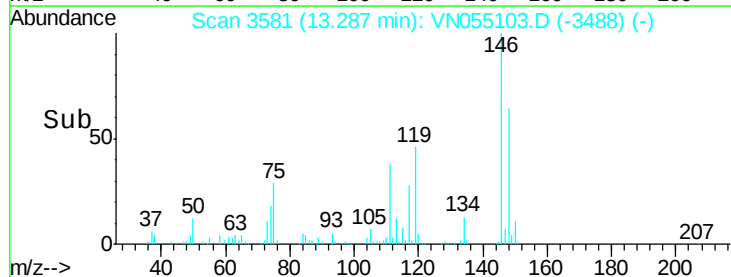
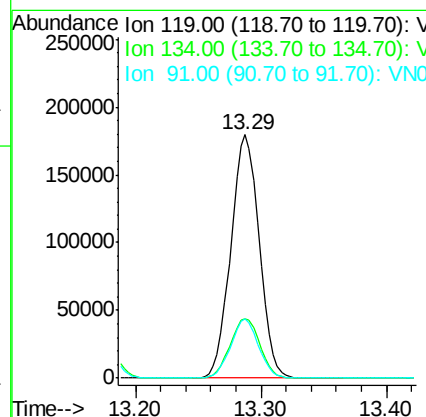
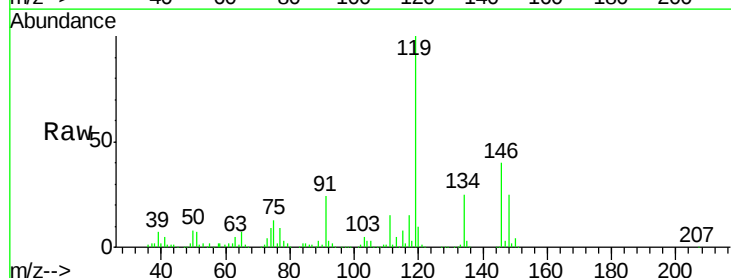
MMDadoda

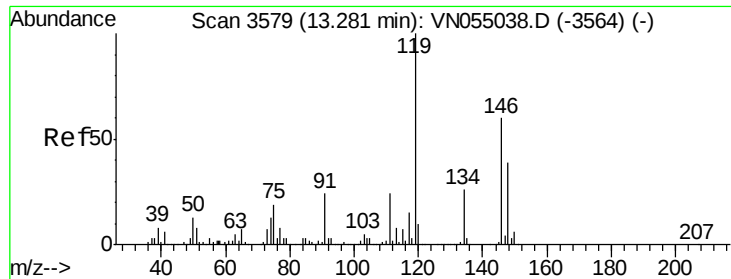
4/19/2019 12:21:30 PM



#86
 p-Isopropyltoluene
 Concen: 19.879 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.2	39.5
91	23.5	11.7	35.1



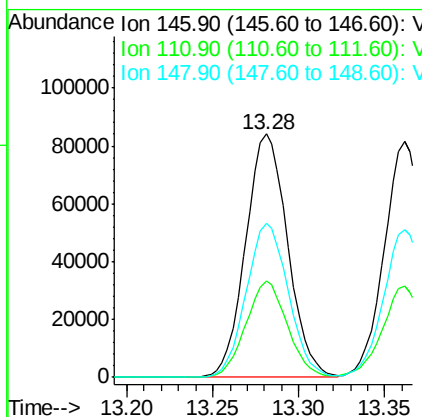
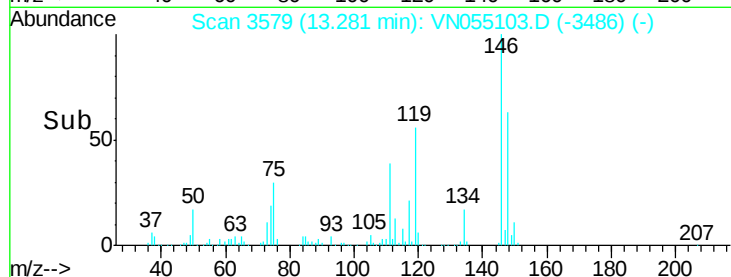
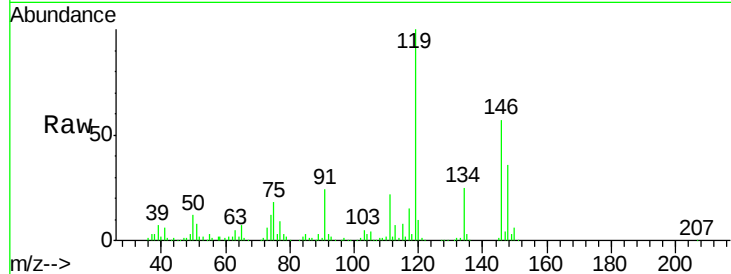


#87
 1,3-Dichlorobenzene
 Concen: 19.791 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0417WBSD01

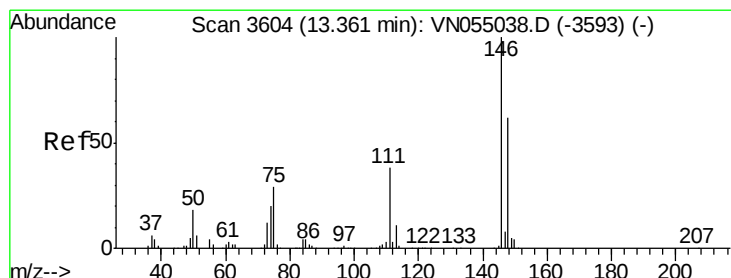
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	63.3	31.6	94.7

Manual Integrations
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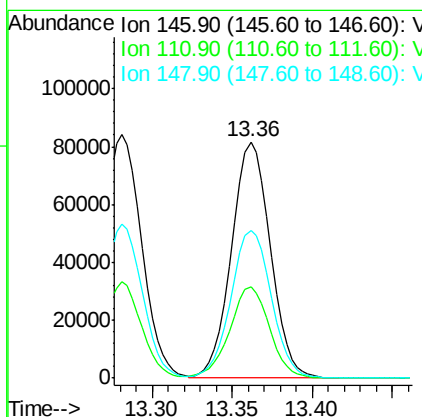
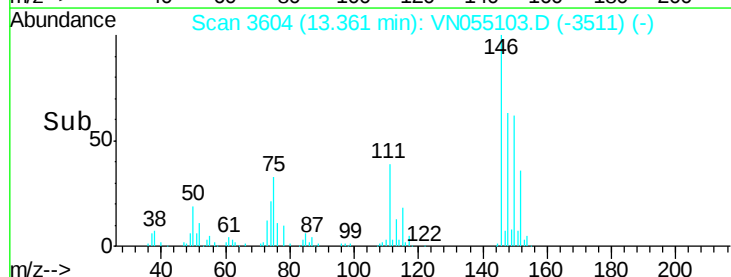
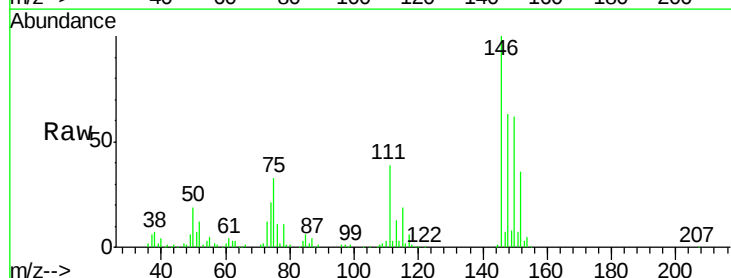
MMDadoda

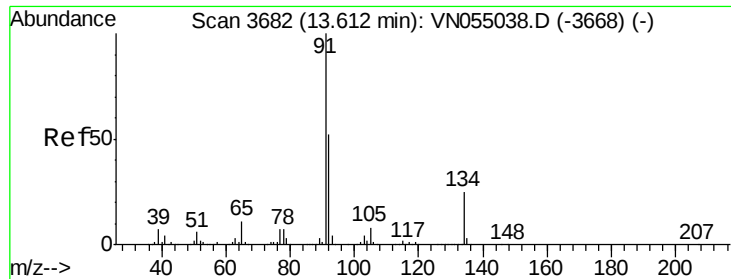
4/19/2019 12:21:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.660 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.4
148	65.4	32.4	97.2





#89

n-Butylbenzene

Concen: 19.374 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

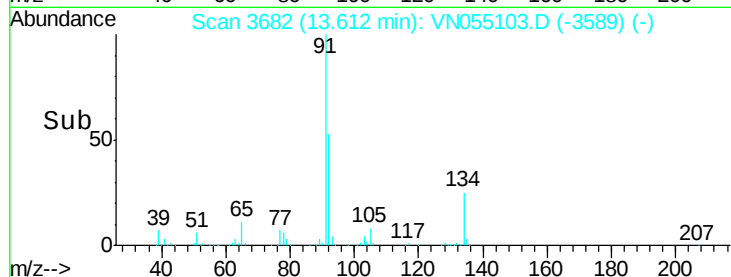
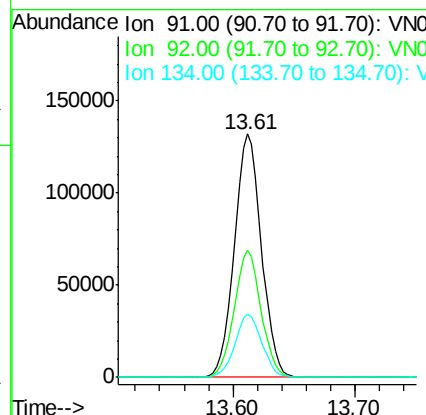
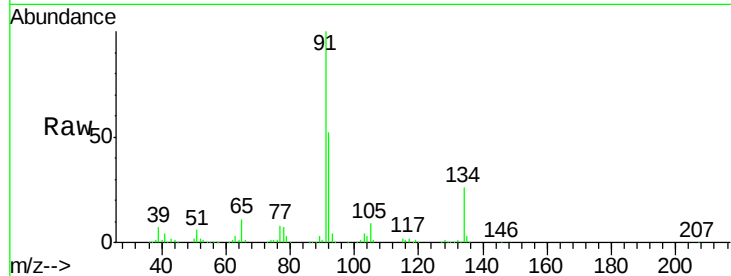
MSVOA_N

ClientSampled :

VN0417WBSD01

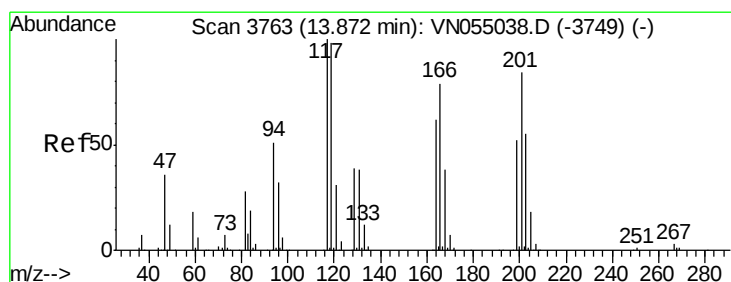
Tot Ion:	91	Resp:	203839
Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.7
134	25.7	12.8	38.3

Manual Integrations
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#90

Hexachloroethane

Concen: 19.032 ug/l

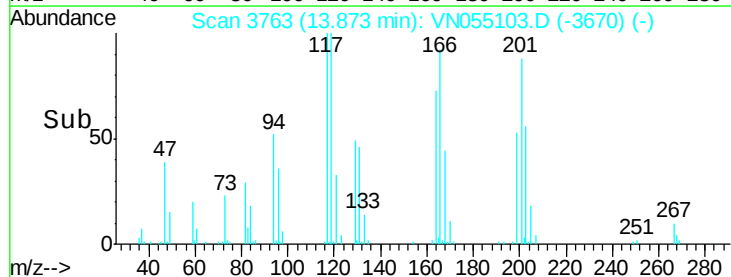
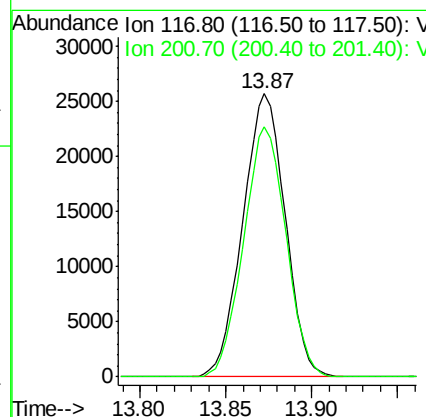
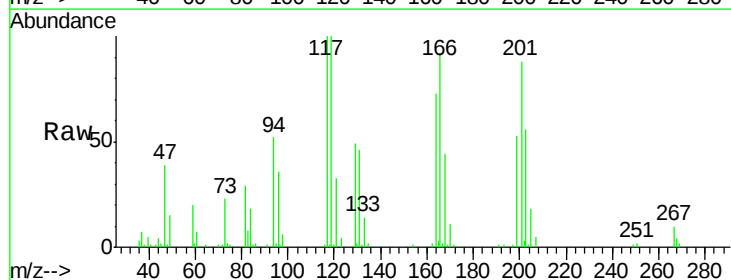
RT: 13.87 min Scan# 3763

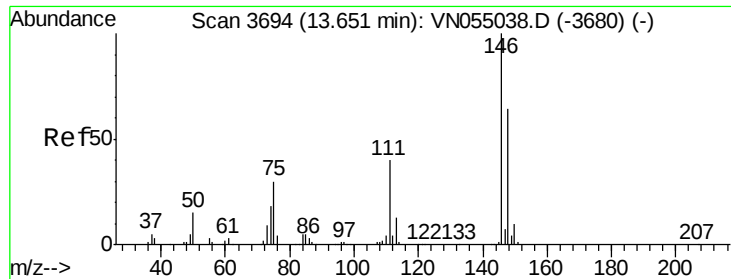
Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Tgt Ion:	117	Resp:	43890
Ion	Ratio	Lower	Upper
117	100		
201	87.9	43.4	130.2



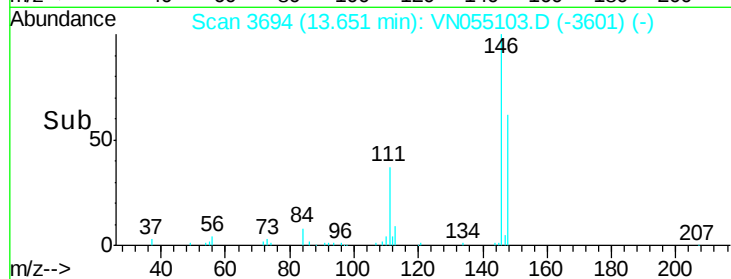
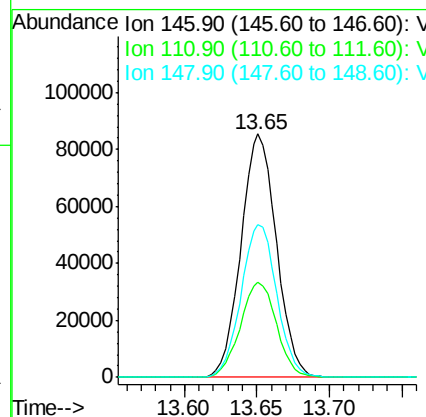
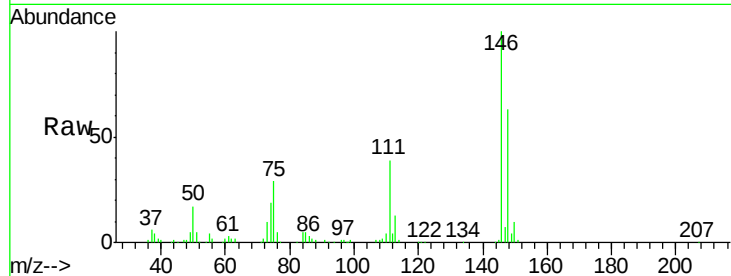


#91
 1,2-Dichlorobenzene
 Concen: 19.989 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0417WBSD01

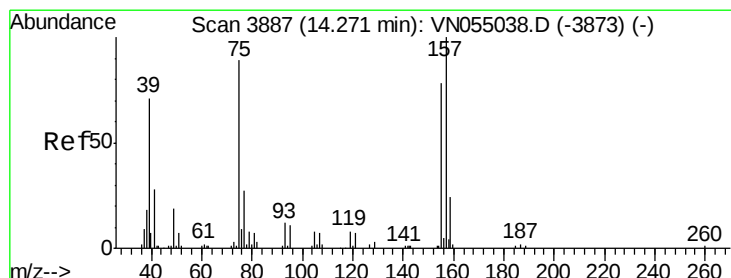
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.9
148	63.3	32.2	96.6

Manual Integrations
 APPROVED



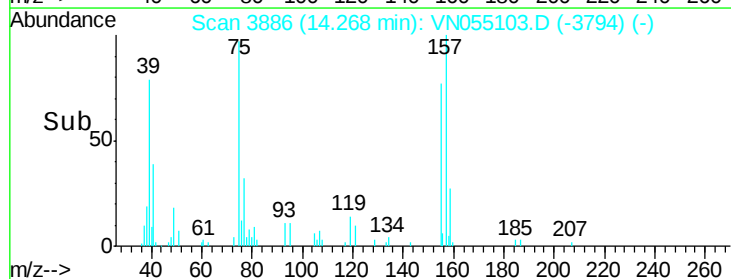
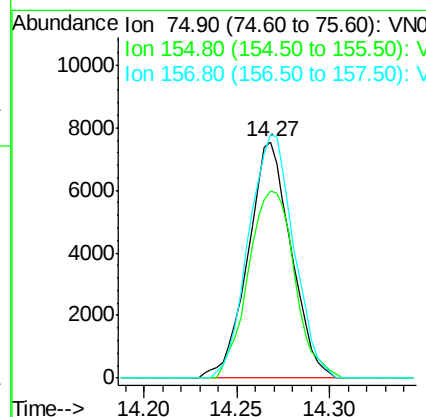
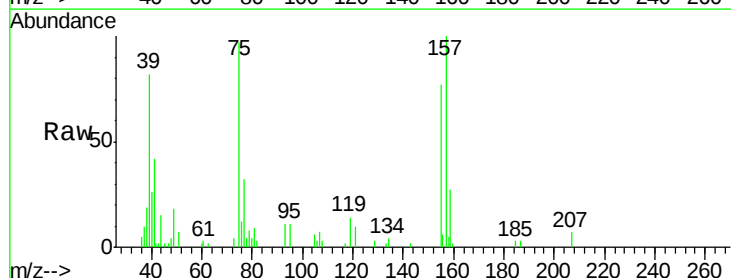
MMDadoda

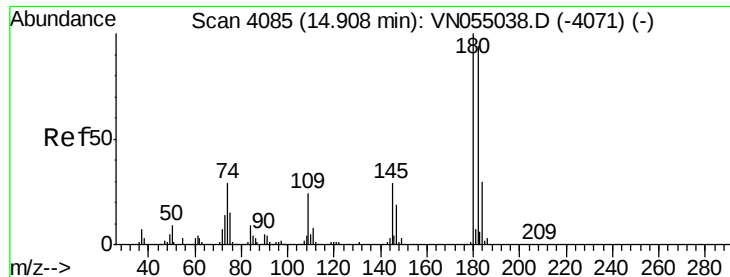
4/19/2019 12:21:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.472 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	42.0	126.0
157	108.3	52.1	156.4



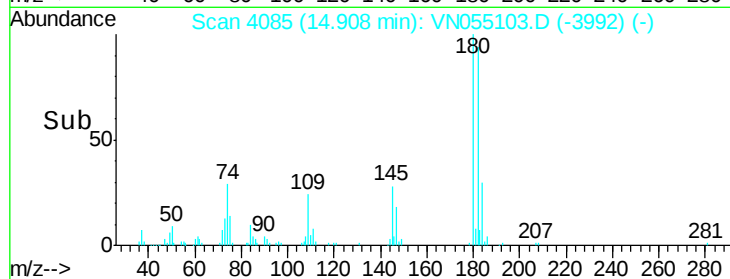
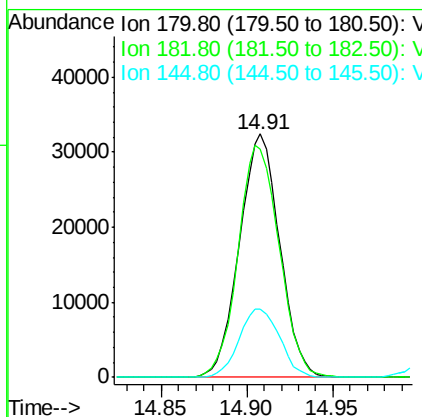
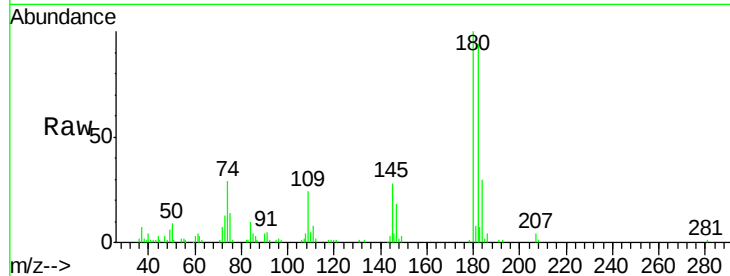


#93
 1,2,4-Trichlorobenzene
 Concen: 17.868 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0417WBSD01

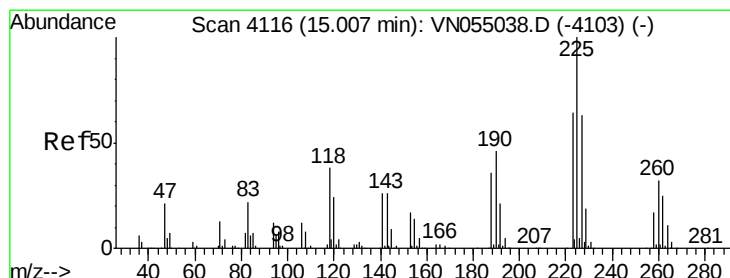
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.5	142.6
145	28.3	14.2	42.8

Manual Integrations
 APPROVED



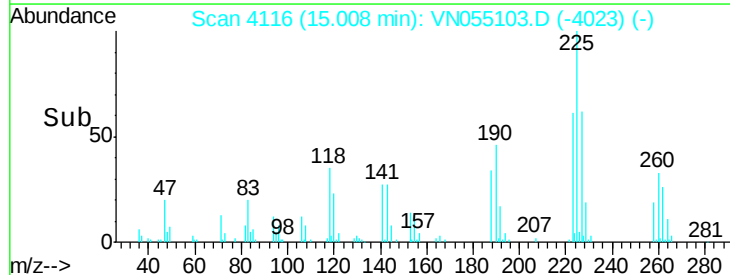
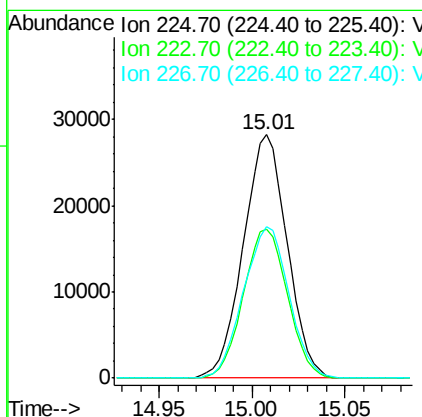
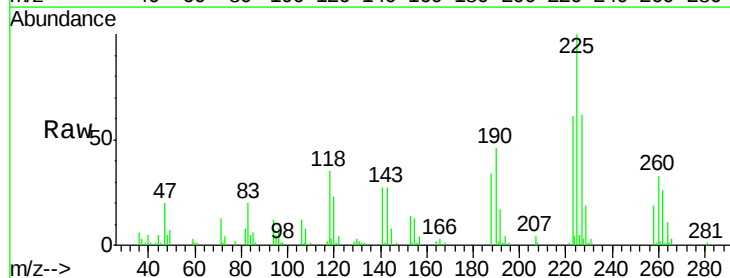
MMDadoda

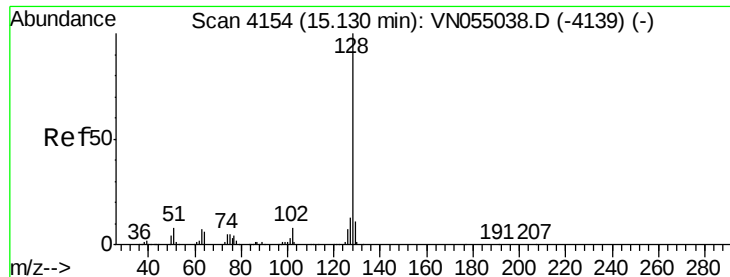
4/19/2019 12:21:30 PM



#94
 Hexachlorobutadiene
 Concen: 20.685 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055103.D
 Acq: 17 Apr 2019 13:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.4	94.0
227	64.5	32.6	97.7





#95

Naphthalene

Concen: 17.153 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Instrument :

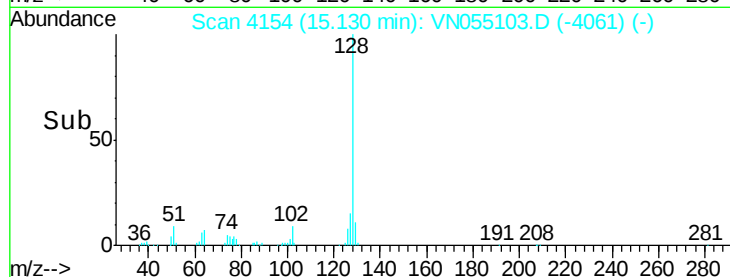
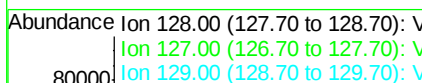
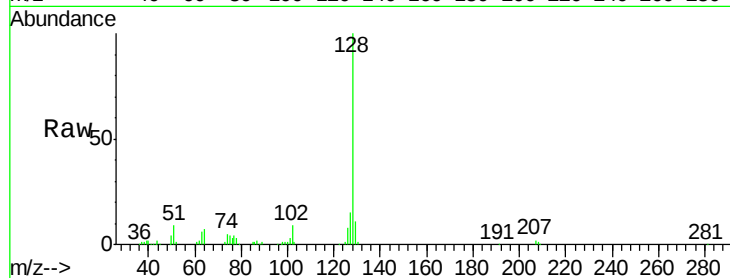
MSVOA_N

ClientSampleId :

VN0417WBSD01

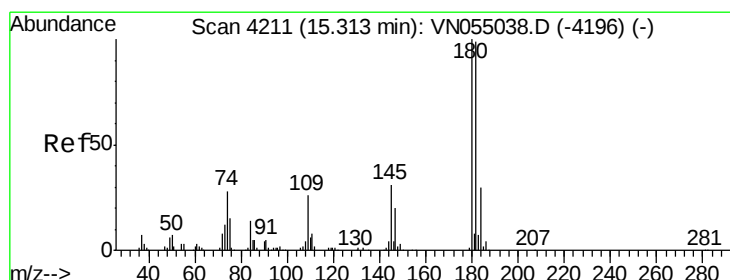
Tot Ion:128	Resp:	115343
Ion Ratio	Lower	Upper
128	100	
127	13.5	10.1 15.1
129	11.0	8.8 13.2

Manual Integrations
APPROVED



MMDadoda

4/19/2019 12:21:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.315 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055103.D

Acq: 17 Apr 2019 13:57

Tgt Ion:180	Resp:	56839
Ion Ratio	Lower	Upper
180	100	
182	96.2	48.0 144.0
145	32.1	15.3 45.9

