

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057716.D
 Acq On : 6 Sep 2019 16:46
 Operator : JC/SP
 Sample : VN0906WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Manual Integrations
 APPROVED

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 9/9/2019 1:10:57 PM

Quant Time: Sep 06 23:41:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	198425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	305295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	166426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	243467	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	7.58	113	153531	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.09	98	583706	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.40	95	230253	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	63131	20.035	ug/l	96
3) Chloromethane	2.03	50	66184	15.417	ug/l	99
4) Vinyl Chloride	2.16	62	52740	19.327	ug/l	96
5) Bromomethane	2.54	94	29050	23.179	ug/l	99
6) Chloroethane	2.68	64	30778	19.104	ug/l	100
7) Trichlorofluoromethane	3.00	101	85435	19.508	ug/l	98
8) Diethyl Ether	3.39	74	34860	19.921	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58651	21.459	ug/l	96
10) Methyl Iodide	3.93	142	58078	21.447	ug/l	97
11) Tert butyl alcohol	4.76	59	51928	94.682	ug/l #	92
12) 1,1-Dichloroethene	3.71	96	49078	19.957	ug/l	91
13) Acrolein	3.59	56	22893	87.771	ug/l	93
14) Allyl chloride	4.30	41	107382	19.109	ug/l	99
15) Acrylonitrile	4.96	53	150124	106.469	ug/l	96
16) Acetone	3.80	43	162775	109.578	ug/l	95
17) Carbon Disulfide	4.03	76	105689	18.969	ug/l	98
18) Methyl Acetate	4.31	43	80043	19.815	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	201092	19.478	ug/l	99
20) Methylene Chloride	4.53	84	64036	19.937	ug/l #	96
21) trans-1,2-Dichloroethene	5.02	96	53292	20.595	ug/l	97
22) Diisopropyl ether	5.93	45	241293	20.298	ug/l	95
23) Vinyl Acetate	5.87	43	987178	102.596	ug/l	99
24) 1,1-Dichloroethane	5.83	63	121361	19.911	ug/l	99
25) 2-Butanone	6.82	43	223774	105.191	ug/l	98
26) 2,2-Dichloropropane	6.80	77	101087	19.879	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	62120	19.125	ug/l	93
28) Bromochloromethane	7.18	49	59804	18.752	ug/l	98
29) Tetrahydrofuran	7.19	42	141808	103.366	ug/l	99
30) Chloroform	7.36	83	124194	19.554	ug/l	98
31) Cyclohexane	7.64	56	109693	20.246	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	104549	19.762	ug/l	100
36) 1,1-Dichloropropene	7.78	75	83630	18.965	ug/l	99
37) Ethyl Acetate	6.91	43	94415	21.567	ug/l #	95
38) Carbon Tetrachloride	7.76	117	84905	20.109	ug/l	92

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Quant Time: Sep 06 23:41:21 2019
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 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	93008	19.941	ug/l	96
40) Benzene	8.03	78	252302	20.229	ug/l	100
41) Methacrylonitrile	7.16	41	42873	20.035	ug/l #	74
42) 1,2-Dichloroethane	8.11	62	114511	19.587	ug/l	97
43) Isopropyl Acetate	8.15	43	164114	19.531	ug/l	99
44) Trichloroethene	8.82	130	57316	20.446	ug/l	93
45) 1,2-Dichloropropane	9.11	63	73600	21.099	ug/l	99
46) Dibromomethane	9.20	93	44878	20.056	ug/l	98
47) Bromodichloromethane	9.40	83	91133	19.164	ug/l #	98
48) Methyl methacrylate	9.19	41	81772	18.922	ug/l	96
49) 1,4-Dioxane	9.19	88	20923	416.113	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	490076	105.018	ug/l	99
52) Toluene	10.15	92	153235	20.270	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	92748	19.441	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	102758	19.936	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	62571	20.568	ug/l	96
56) Ethyl methacrylate	10.43	69	102764	21.163	ug/l	93
57) 1,3-Dichloropropane	10.71	76	111762	20.451	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	248920	101.043	ug/l	100
59) 2-Hexanone	10.75	43	351420	106.792	ug/l	99
60) Dibromochloromethane	10.90	129	56507	18.440	ug/l	98
61) 1,2-Dibromoethane	11.00	107	59760	20.462	ug/l	99
64) Tetrachloroethene	10.63	164	49137	20.644	ug/l	94
65) Chlorobenzene	11.43	112	160764	20.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	57100	20.606	ug/l	98
67) Ethyl Benzene	11.51	91	316848	20.621	ug/l	99
68) m/p-Xylenes	11.62	106	220260	41.619	ug/l	97
69) o-Xylene	11.95	106	107393	20.493	ug/l	99
70) Styrene	11.96	104	183626	20.251	ug/l	97
71) Bromoform	12.13	173	34058	18.623	ug/l #	100
73) Isopropylbenzene	12.25	105	299593	20.362	ug/l	98
74) N-amyl acetate	12.07	43	148896	20.258	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	90824	20.585	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	84284m	22.054	ug/l	
77) Bromobenzene	12.53	156	68567	21.451	ug/l	95
78) n-propylbenzene	12.59	91	356200	20.377	ug/l	99
79) 2-Chlorotoluene	12.68	91	215360	20.237	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	259961	20.799	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21073	17.148	ug/l	93
82) 4-Chlorotoluene	12.78	91	221388	20.199	ug/l	99
83) tert-Butylbenzene	12.99	119	217622	20.654	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	251026	20.275	ug/l	100
85) sec-Butylbenzene	13.17	105	292695	20.163	ug/l	99
86) p-Isopropyltoluene	13.29	119	256654	20.862	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	120240	20.121	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	121351	20.300	ug/l	100
89) n-Butylbenzene	13.62	91	239958	19.722	ug/l	100
90) Hexachloroethane	13.88	117	36769	19.074	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	119988	20.394	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17265	19.863	ug/l	97

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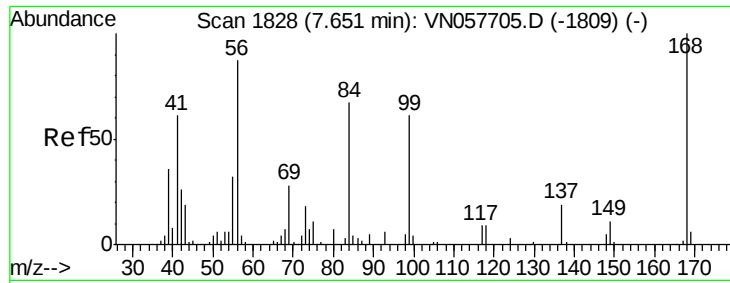
Manual Integrations
APPROVED

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9/9/2019 1:10:57 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	70874	20.136	ug/l	99
94) Hexachlorobutadiene	15.01	225	36527	21.291	ug/l	97
95) Naphthalene	15.13	128	208453	20.414	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	67806	20.098	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBS01

Tot Ion:168 Resp: 198425

Ion Ratio Lower Upper

168 100

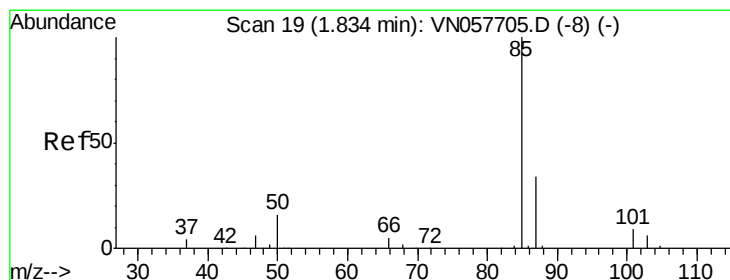
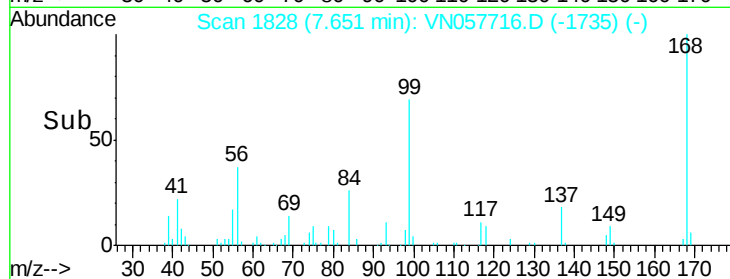
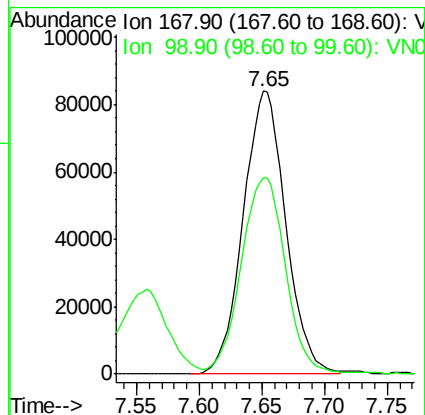
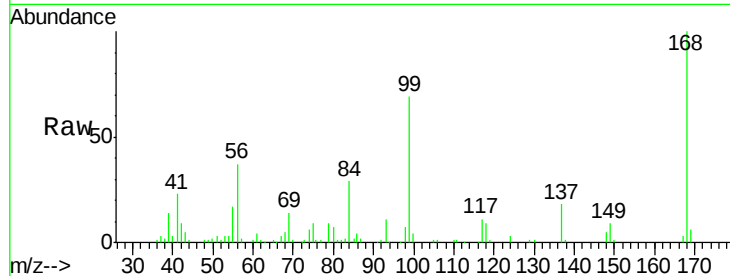
99 68.6 57.4 86.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.035 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057716.D

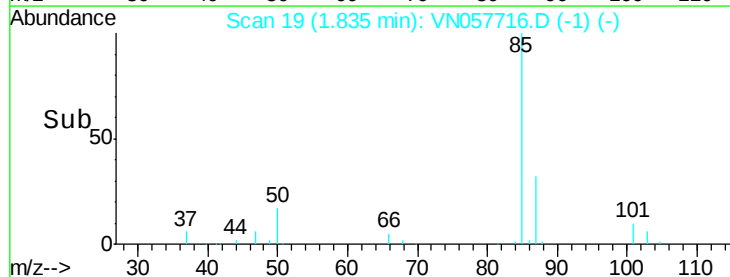
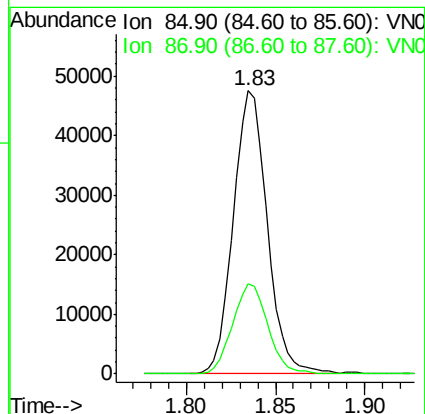
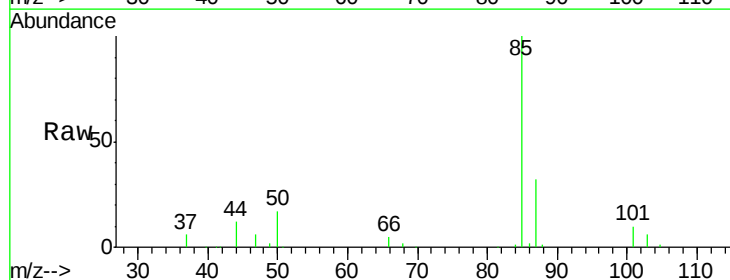
Acq: 6 Sep 2019 16:46

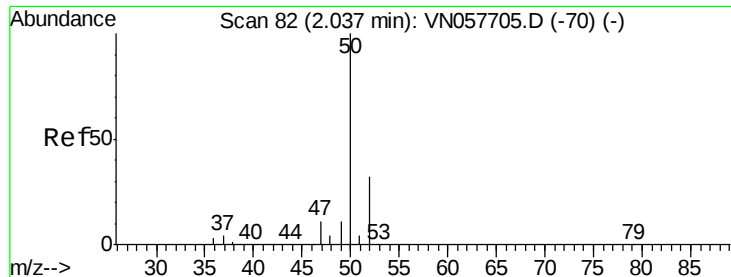
Tgt Ion: 85 Resp: 63131

Ion Ratio Lower Upper

85 100

87 31.6 17.0 51.0





#3

Chloromethane

Concen: 15.417 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBS01

Tot Ion: 50 Resp: 66184

Ion Ratio Lower Upper

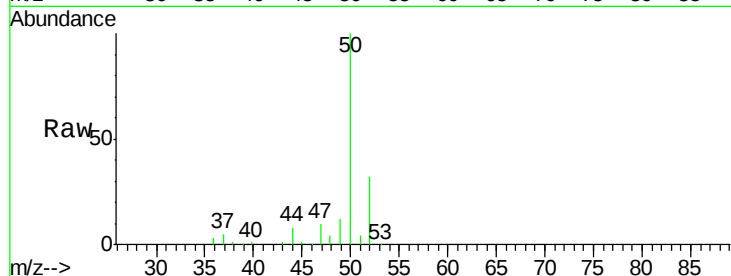
50 100

52 31.8 26.0 39.0

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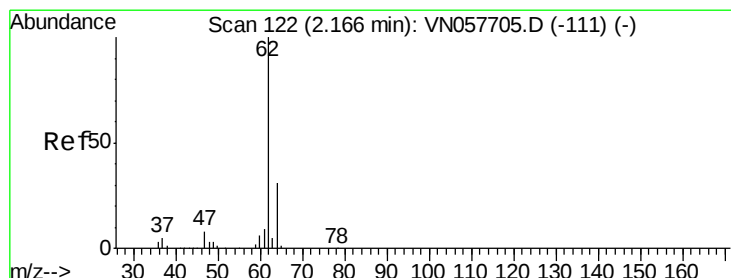
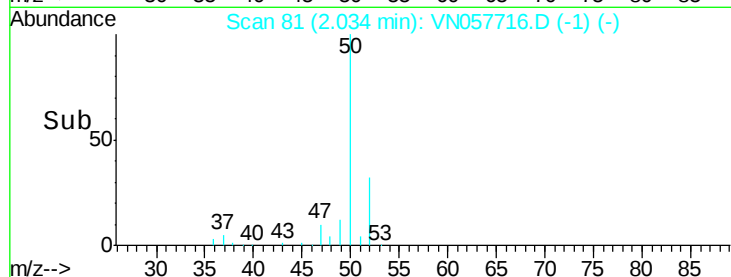
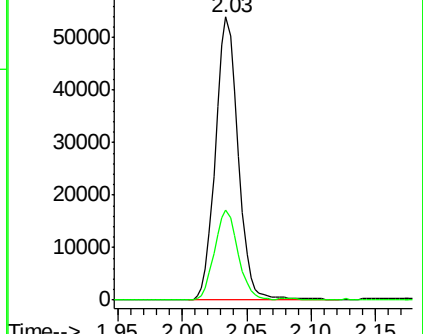
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.327 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057716.D

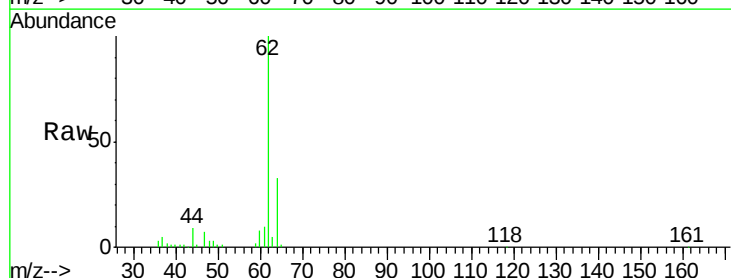
Acq: 6 Sep 2019 16:46

Tgt Ion: 62 Resp: 52740

Ion Ratio Lower Upper

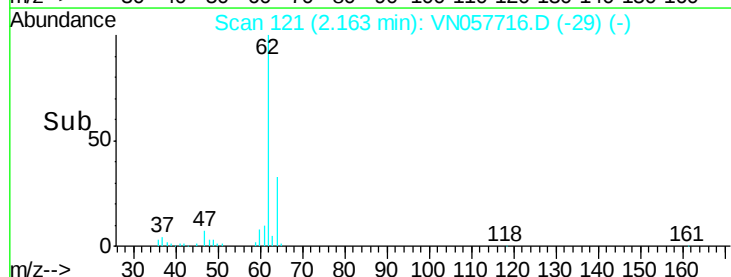
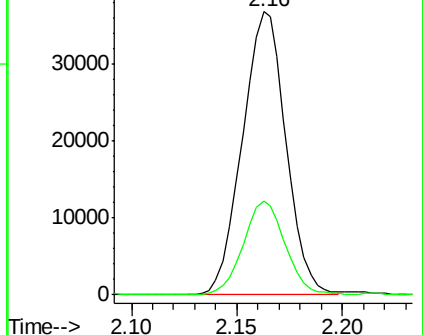
62 100

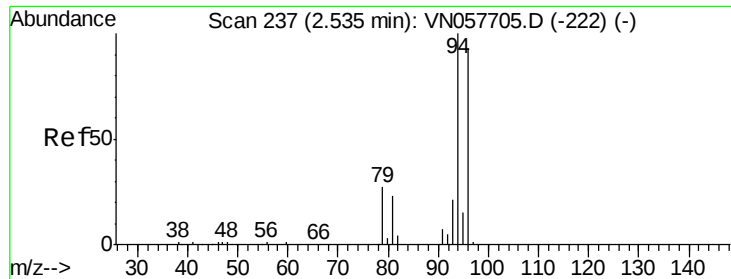
64 33.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 23.179 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBS01

Tot Ion: 94 Resp: 29050

Ion Ratio Lower Upper

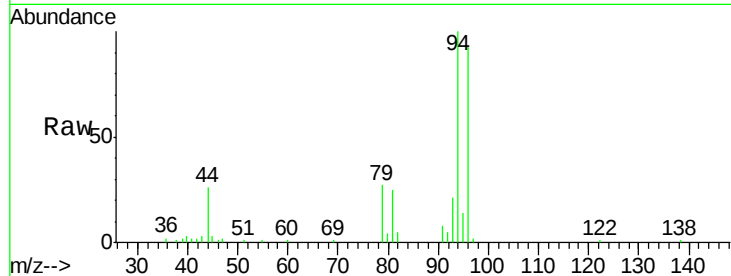
94 100

96 92.6 74.8 112.2

Manual Integrations
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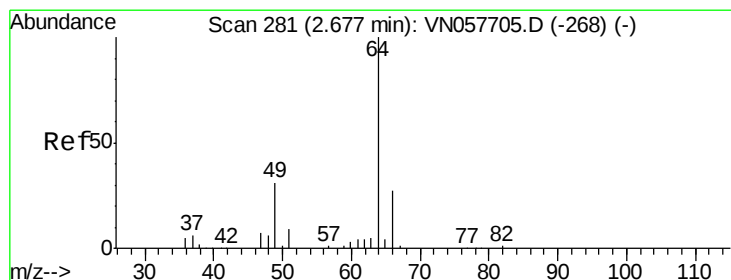
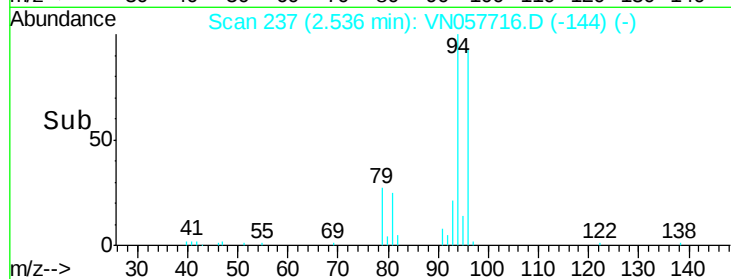
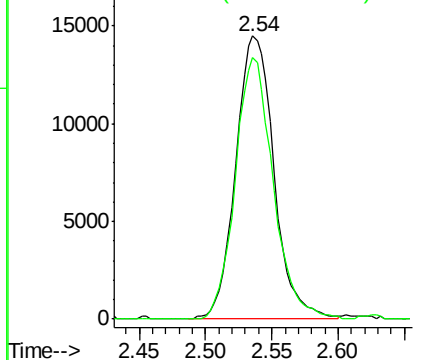
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.104 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057716.D

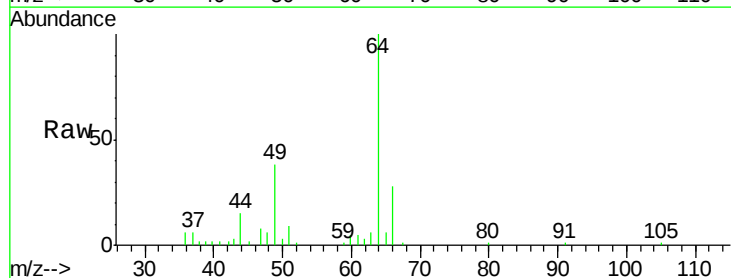
Acq: 6 Sep 2019 16:46

Tgt Ion: 64 Resp: 30778

Ion Ratio Lower Upper

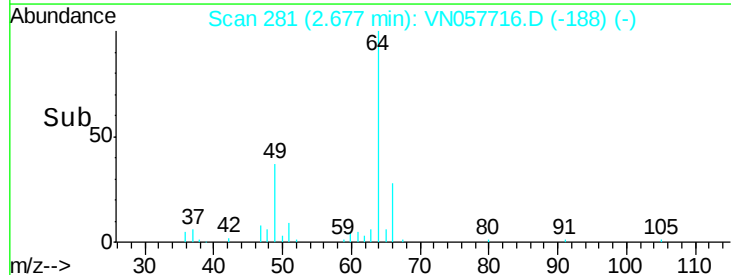
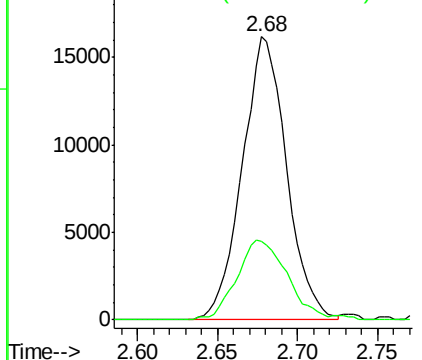
64 100

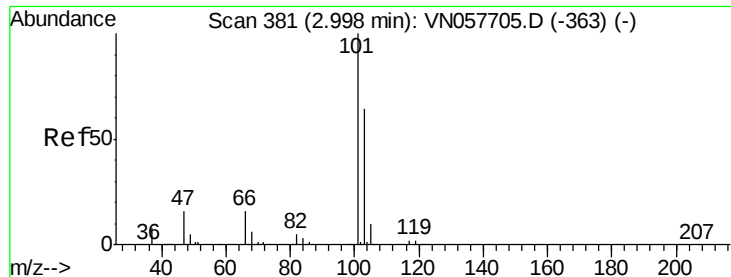
66 27.6 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

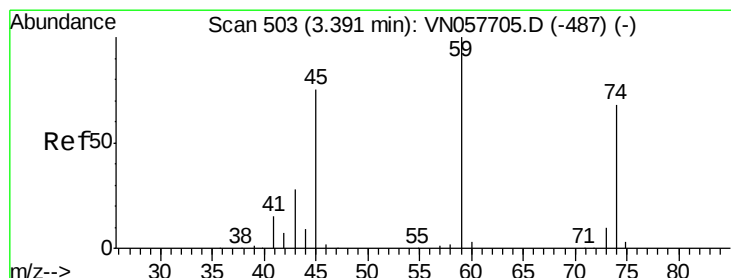
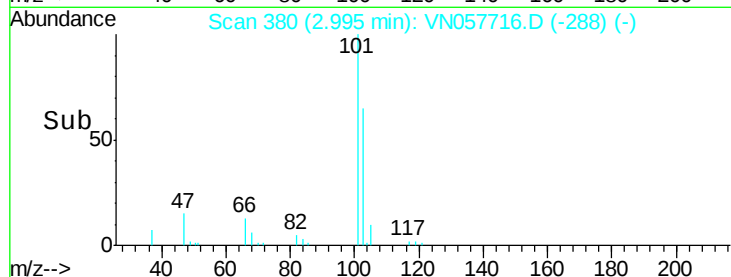
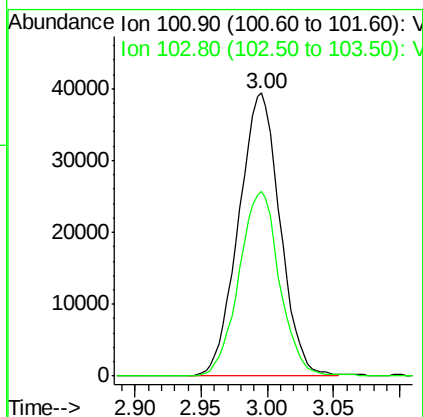
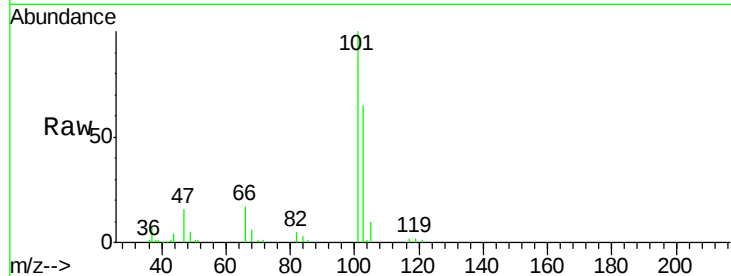
Trichlorofluoromethane
 Concen: 19.508 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.0

Manual Integrations
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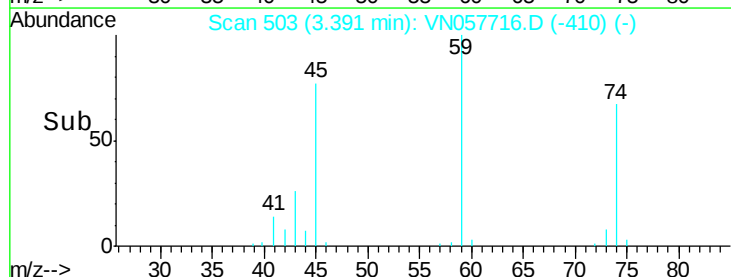
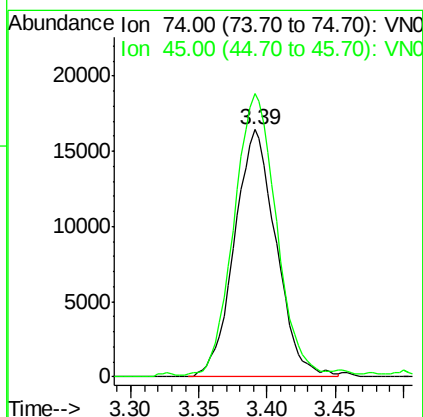
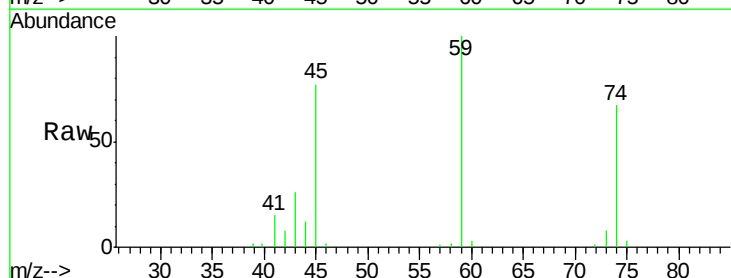
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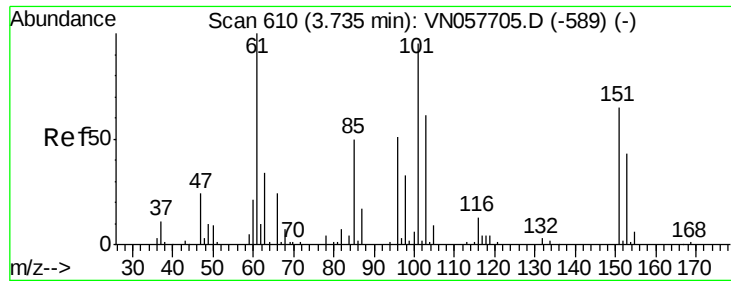


#8

Diethyl Ether
 Concen: 19.921 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.4	55.4	166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.459 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

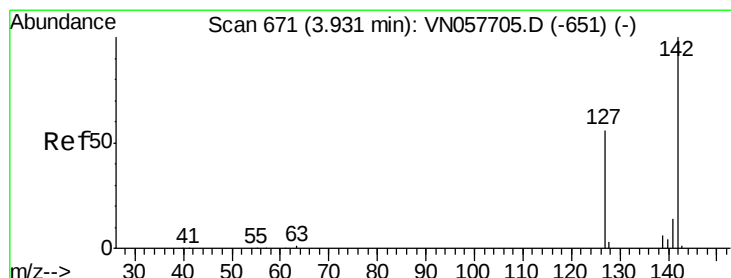
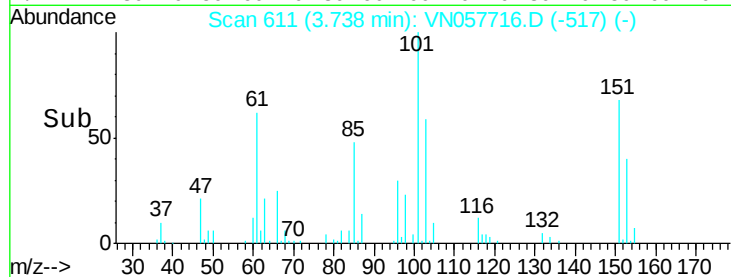
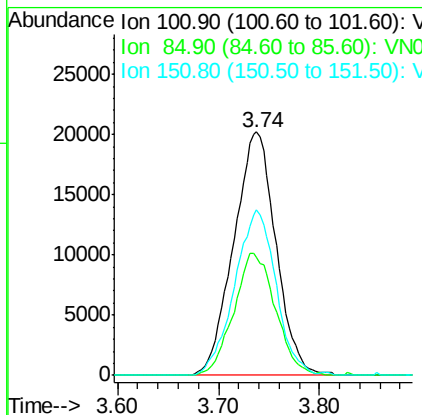
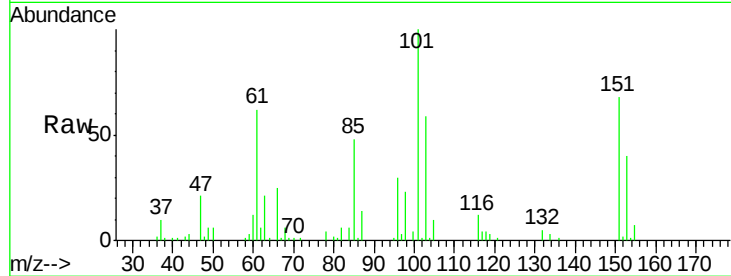
ClientSampleId :

VN0906WBS01

Tot Ion:	101	Resp:	58651
Ion Ratio	Lower	Upper	
101	100		
85	49.5	42.8	64.2
151	66.5	55.5	83.3

Manual Integrations
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#10

Methyl Iodide

Concen: 21.447 ug/l

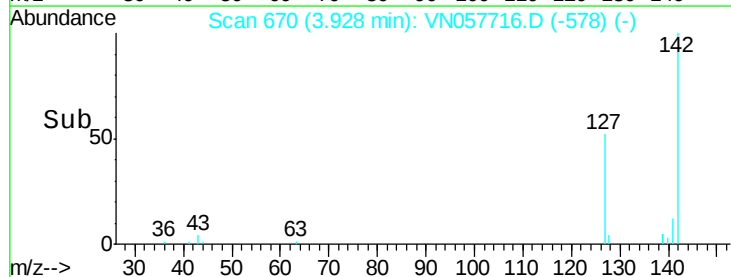
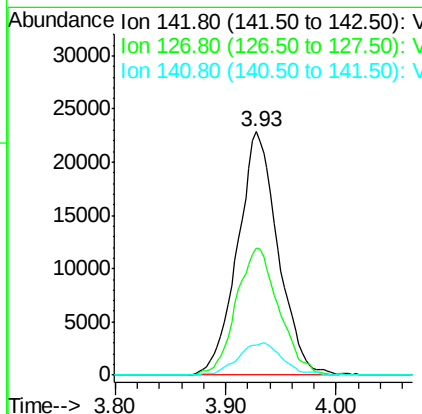
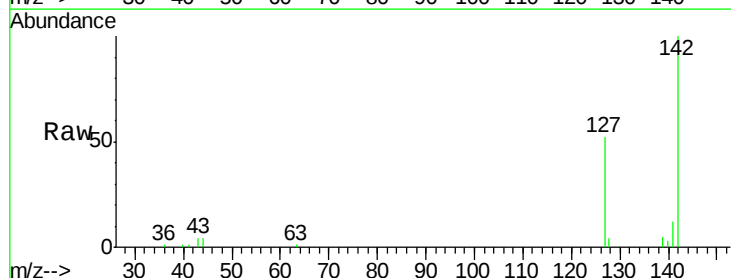
RT: 3.93 min Scan# 670

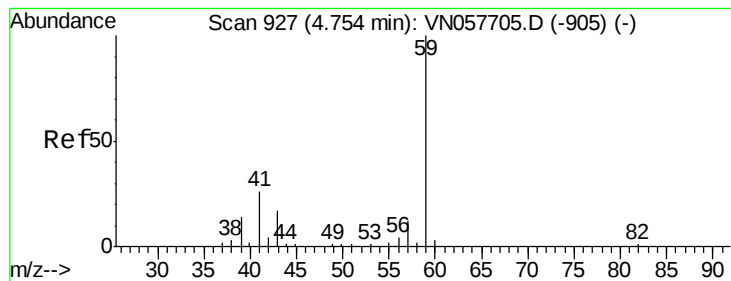
Delta R.T. -0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Tgt Ion:	142	Resp:	58078
Ion Ratio	Lower	Upper	
142	100		
127	55.0	42.1	63.1
141	14.5	11.0	16.4





#11

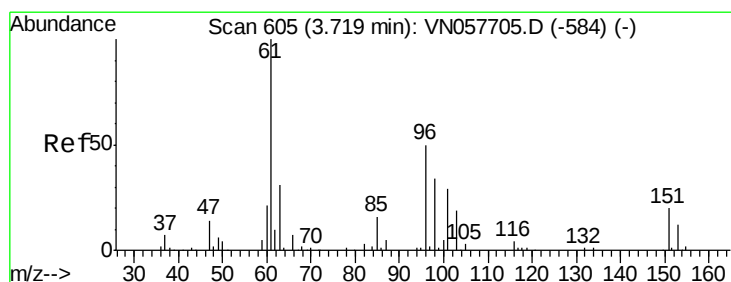
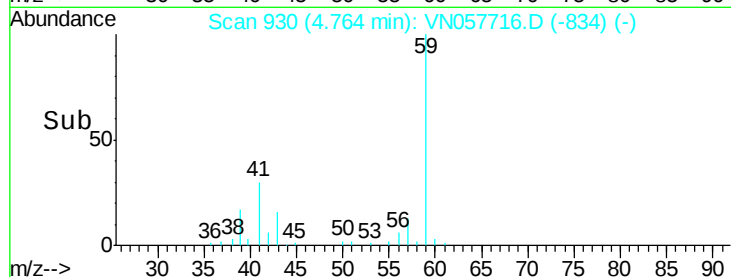
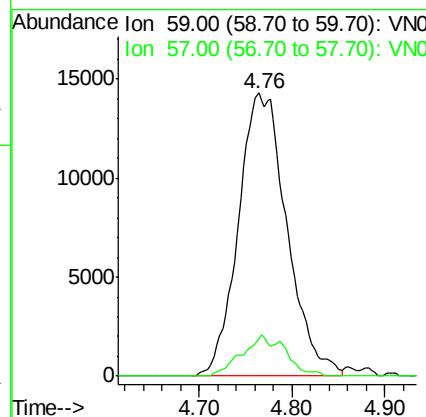
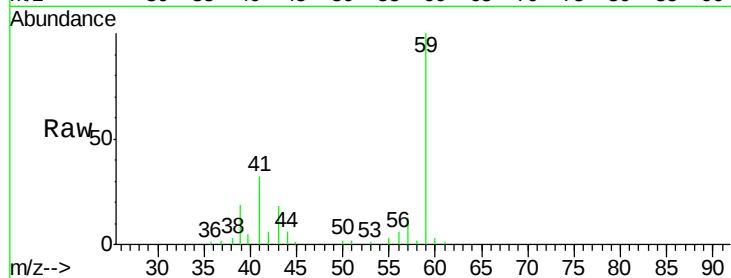
Tert butyl alcohol
 Concen: 94.682 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.2	8.9	13.3#

Manual Integrations
 APPROVED

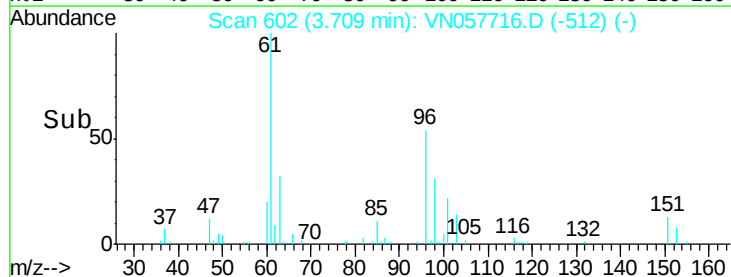
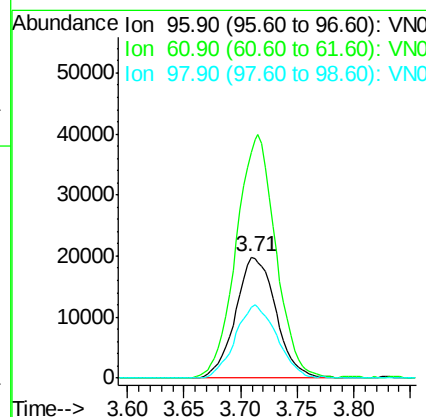
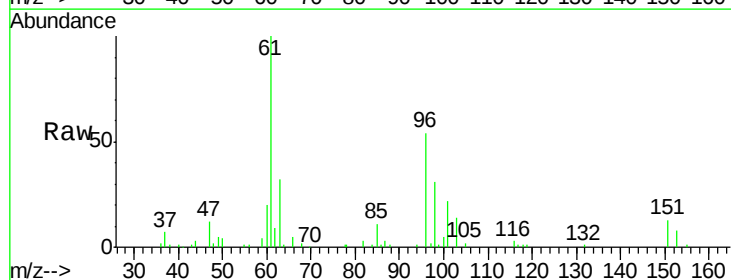
MMDadoda
 9/9/2019 1:10:57 PM

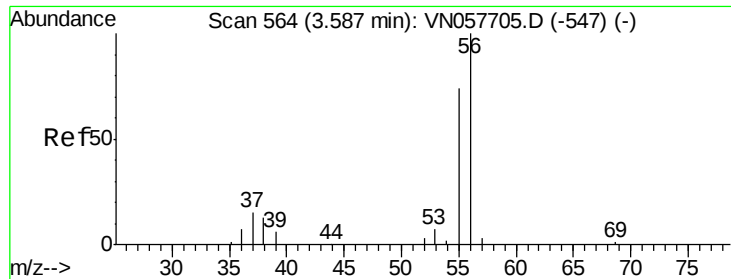


#12

1,1-Dichloroethene
 Concen: 19.957 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.0	158.7	238.1
98	58.4	53.8	80.8





#13

Acrolein

Concen: 87.771 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBS01

Tot Ion: 56 Resp: 22893

Ion Ratio Lower Upper

56 100

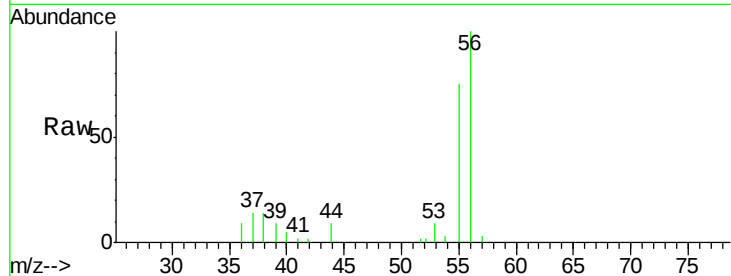
55 74.7 55.4 83.0

Manual Integrations

APPROVED

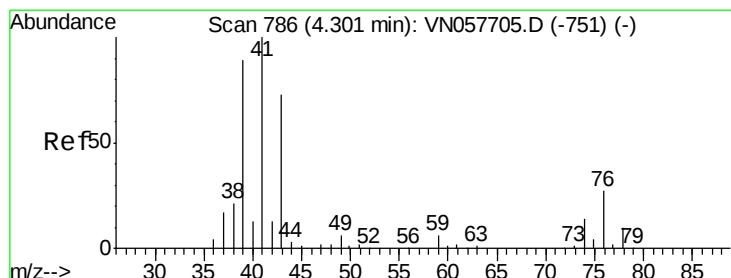
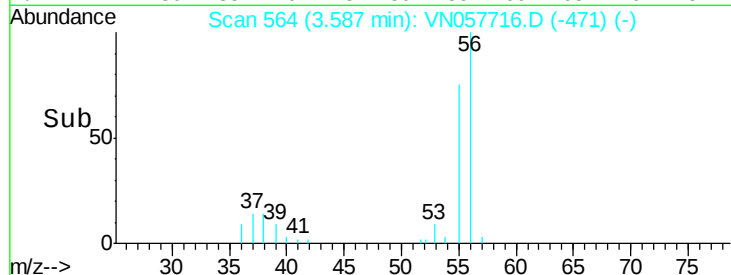
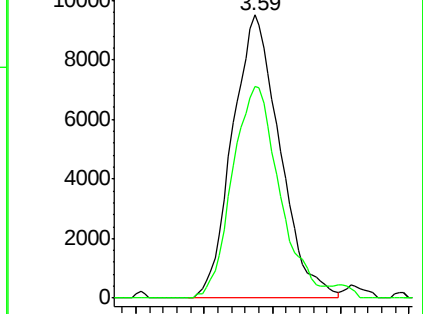
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.109 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

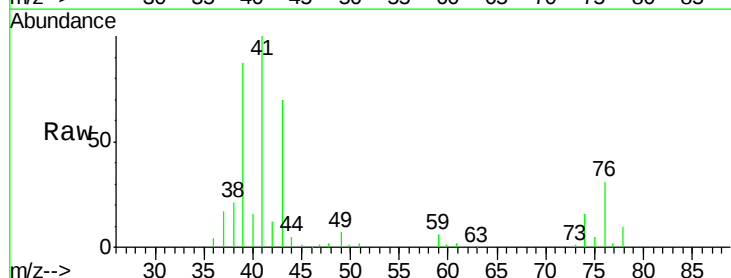
Tgt Ion: 41 Resp: 107382

Ion Ratio Lower Upper

41 100

39 83.7 67.5 101.3

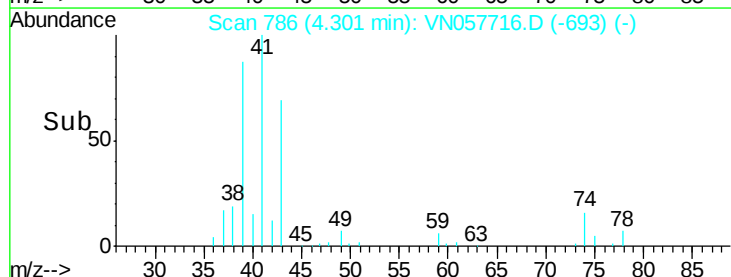
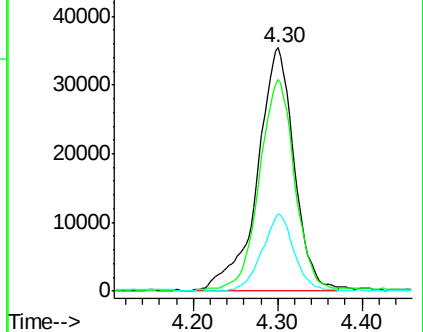
76 27.4 21.4 32.2

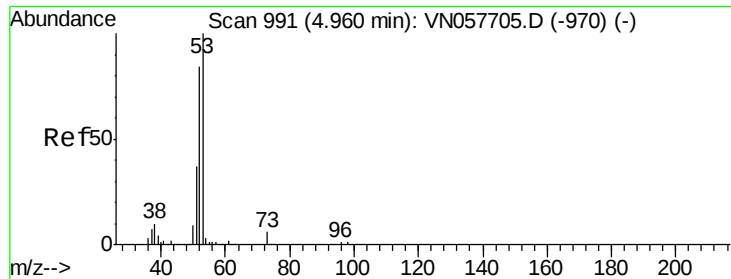


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 106.469 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

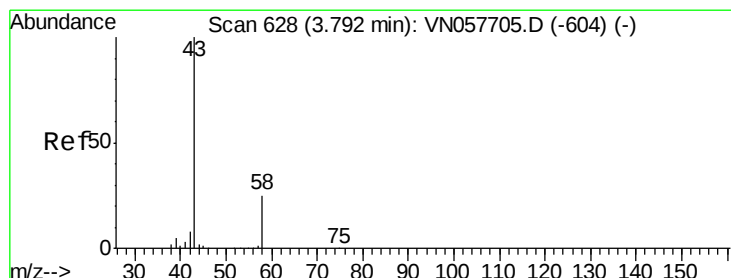
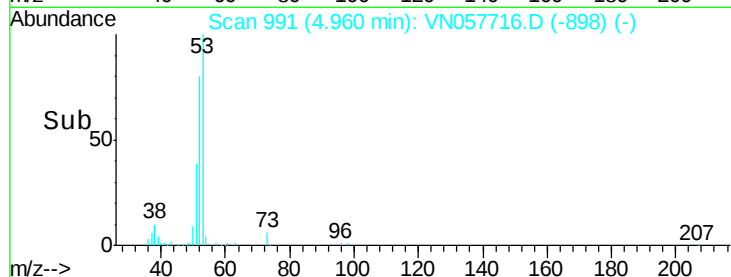
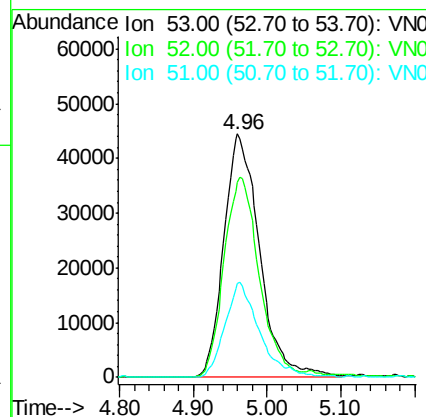
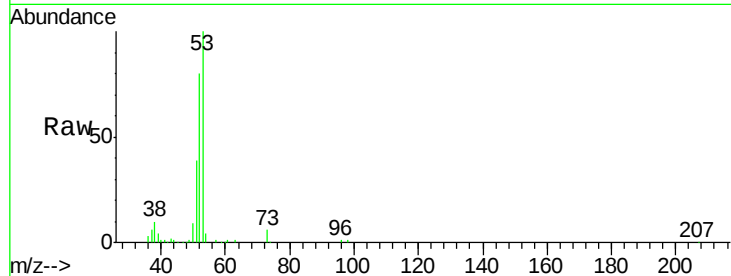
ClientSampleId :

VN0906WBS01

Tot Ion:	53	Resp:	150124
Ion	Ratio	Lower	Upper
53	100		
52	80.8	68.1	102.1
51	37.5	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 109.578 ug/l

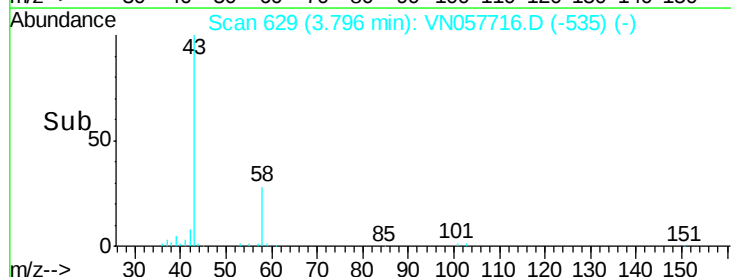
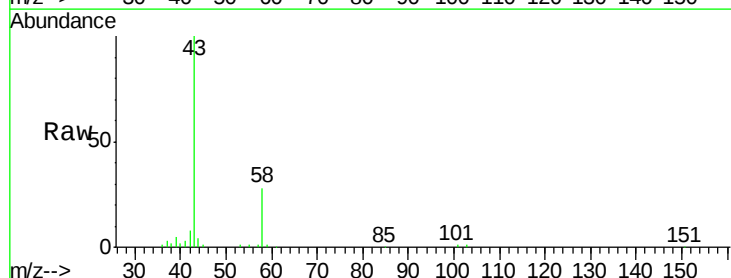
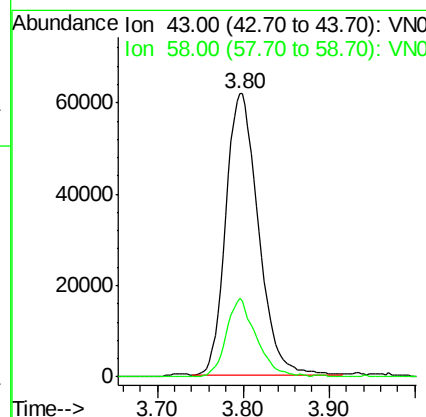
RT: 3.80 min Scan# 629

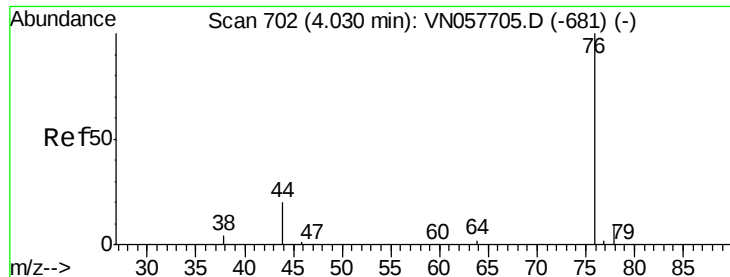
Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Tgt Ion:	43	Resp:	162775
Ion	Ratio	Lower	Upper
43	100		
58	27.5	19.8	29.8





#17

Carbon Disulfide

Concen: 18.969 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBS01

Tot Ion: 76 Resp: 105689

Ion Ratio Lower Upper

76 100

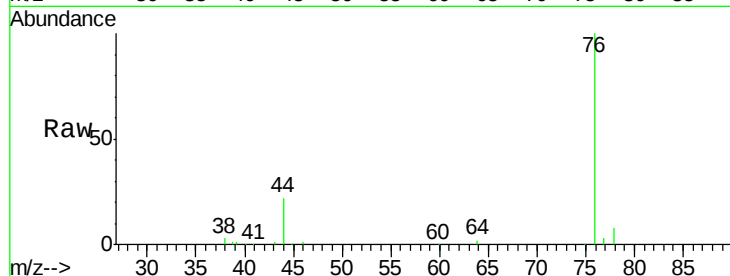
78 8.3 7.0 10.6

Manual Integrations

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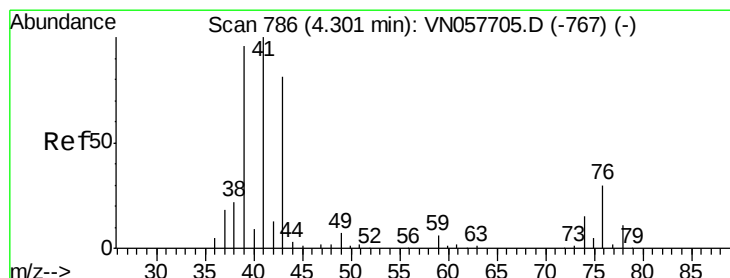
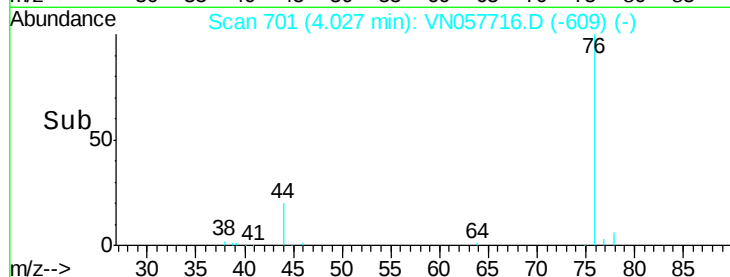
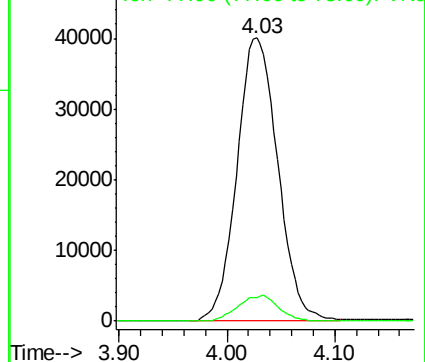
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 19.815 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN057716.D

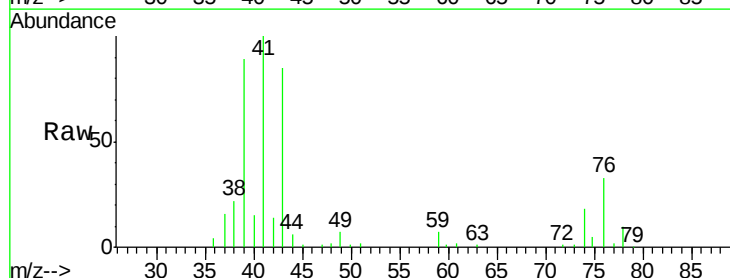
Acq: 6 Sep 2019 16:46

Tgt Ion: 43 Resp: 80043

Ion Ratio Lower Upper

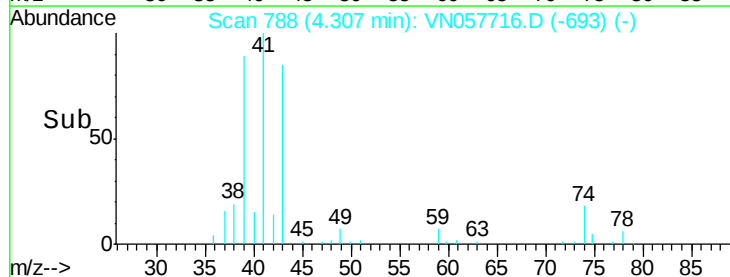
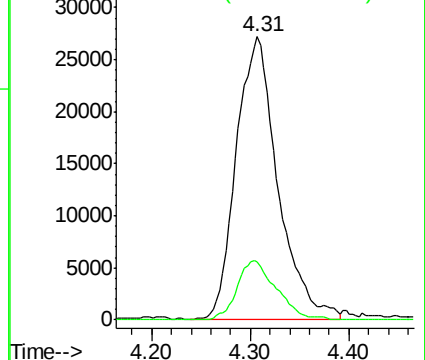
43 100

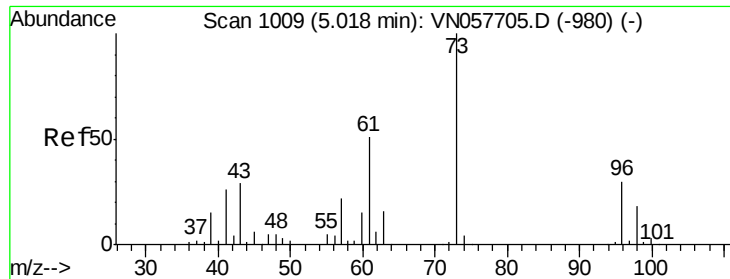
74 19.5 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





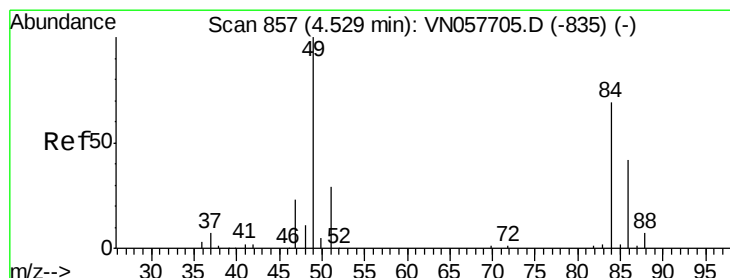
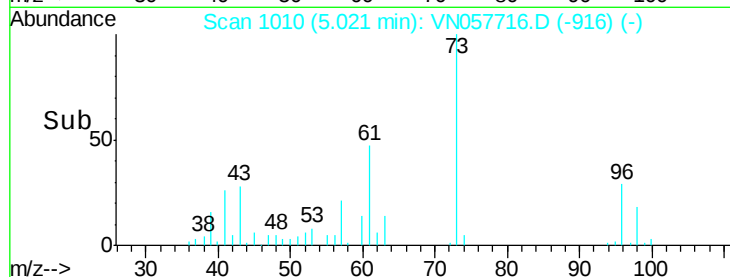
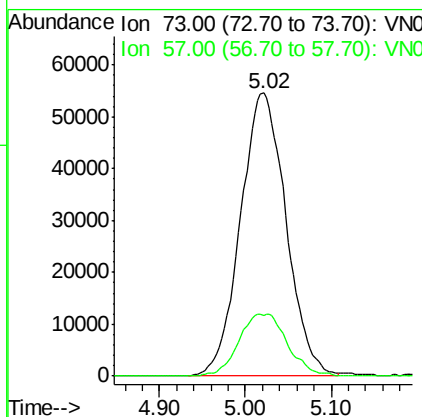
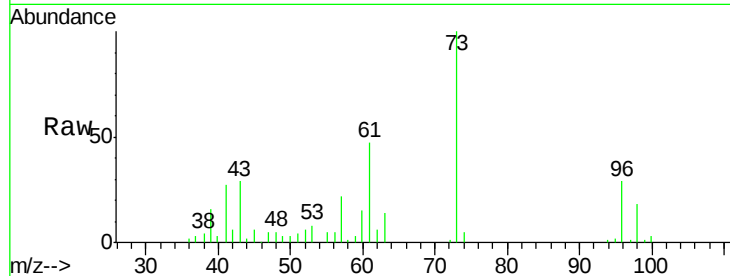
#19
Methvl tert-butvl Ether
Concen: 19.478 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion: 73 Resp: 201092
Ion Ratio Lower Upper
73 100
57 21.6 17.7 26.5

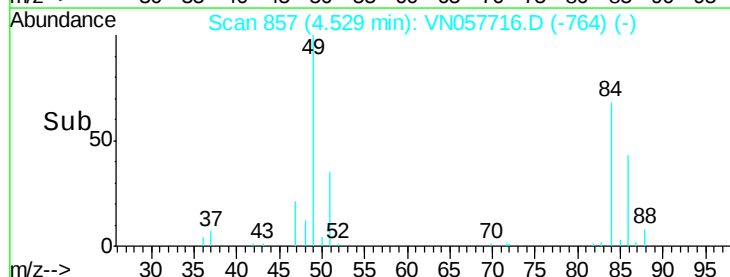
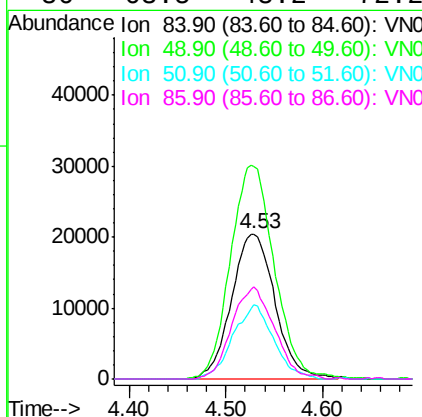
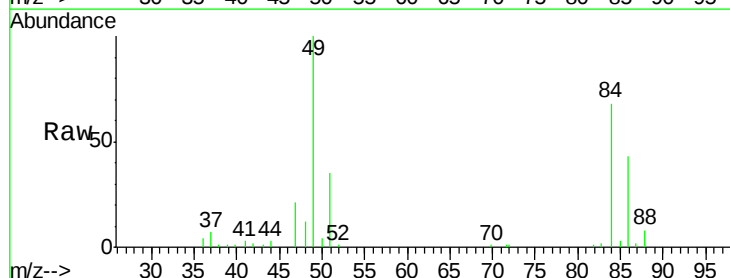
Manual Integrations
APPROVED

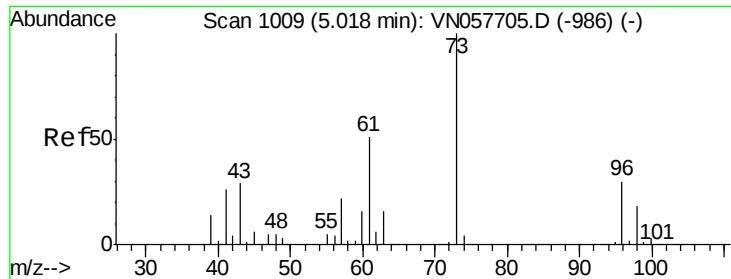
MMDadoda
9/9/2019 1:10:57 PM



#20
Methylene Chloride
Concen: 19.937 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion: 84 Resp: 64036
Ion Ratio Lower Upper
84 100
49 146.1 115.0 172.6
51 51.1 33.8 50.8#
86 63.5 48.2 72.2





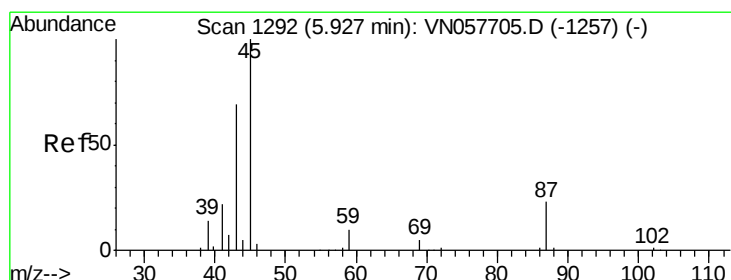
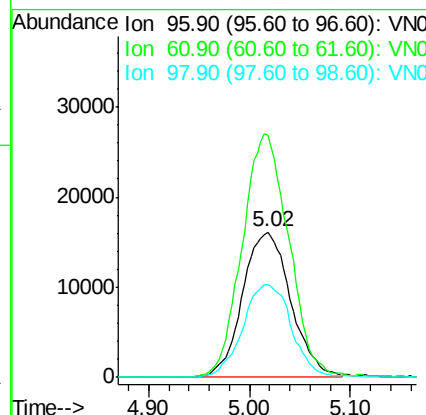
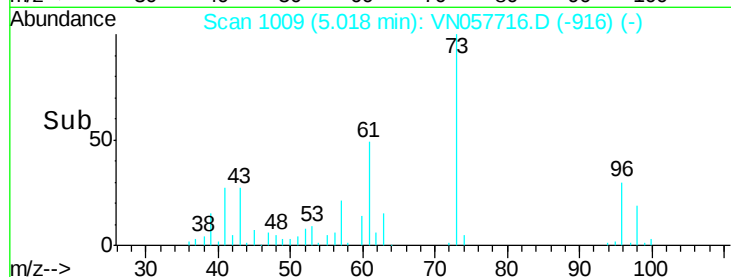
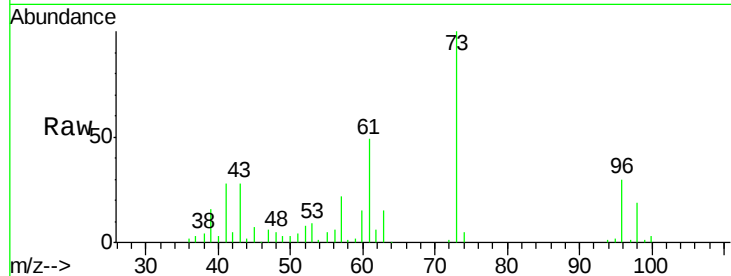
#21
trans-1,2-Dichloroethene
Concen: 20.595 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.6	135.8	203.8
98	64.0	49.0	73.6

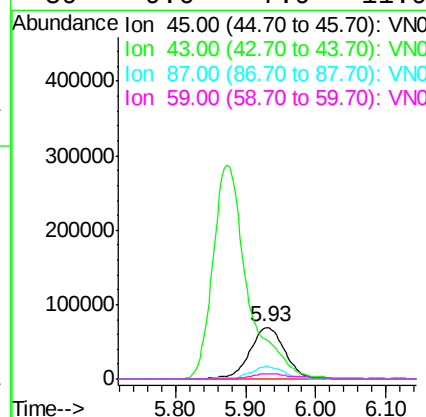
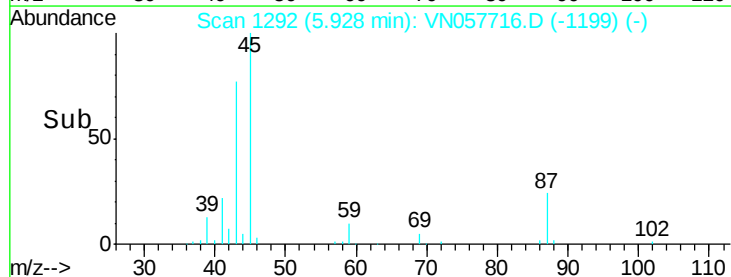
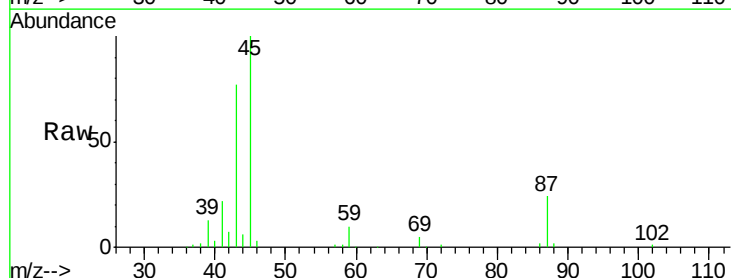
Manual Integrations
APPROVED

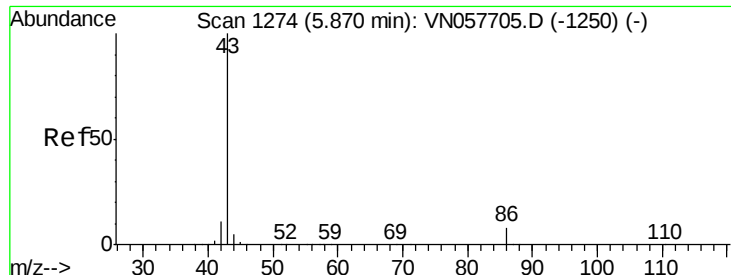
MMDadoda
9/9/2019 1:10:57 PM



#22
Diisopropyl ether
Concen: 20.298 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.9	55.5	83.3
87	24.1	18.6	28.0
59	9.6	7.9	11.9





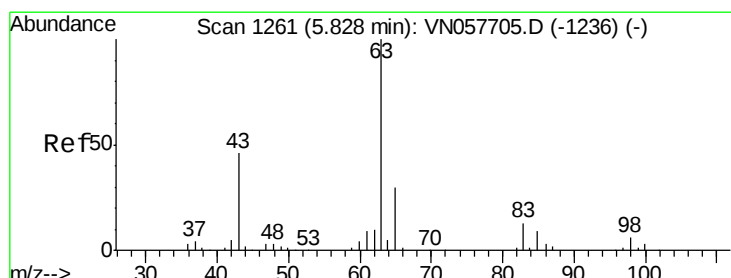
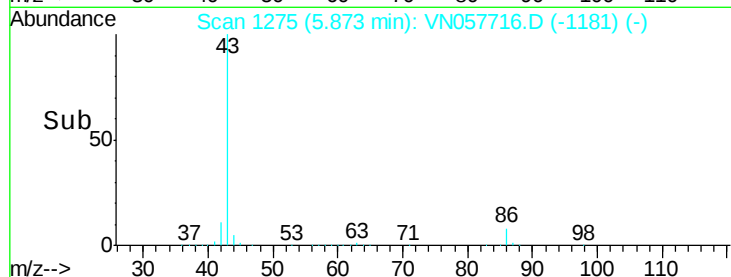
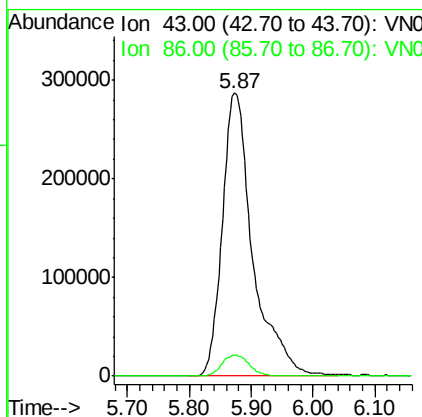
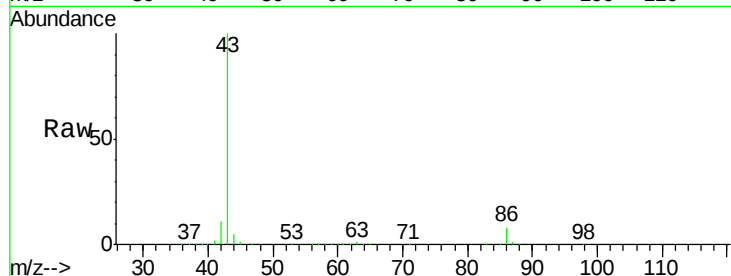
#23
 Vinyl Acetate
 Concen: 102.596 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion	43	Resp	987178
Ion Ratio	100	Lower	Upper
43	100		
86	7.6	6.2	9.4

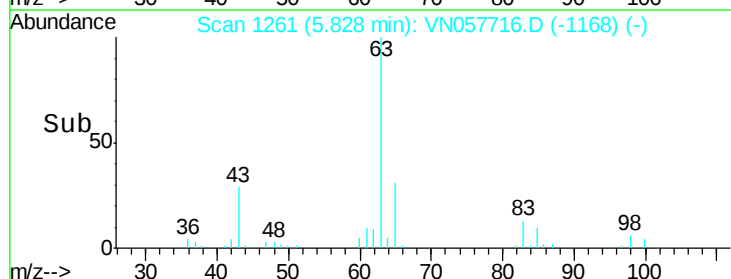
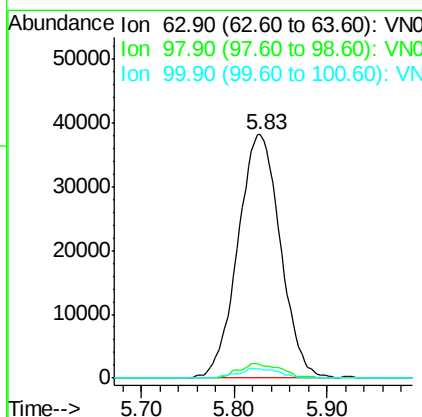
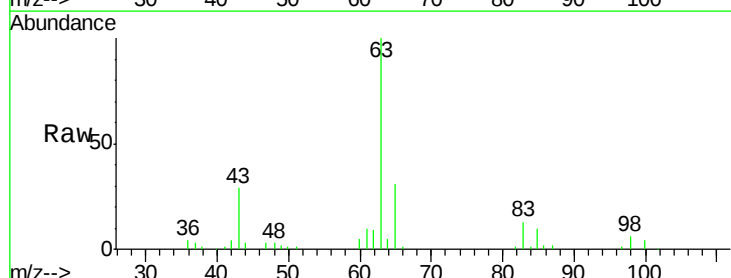
Manual Integrations
 APPROVED

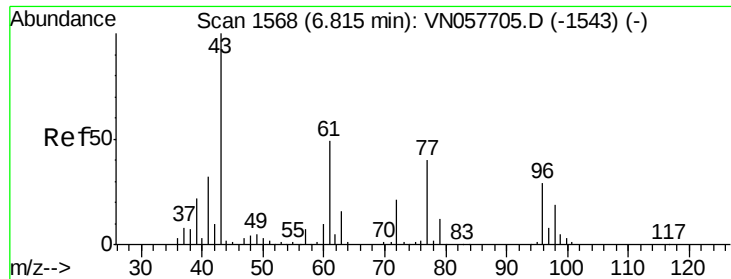
MMDadoda
 9/9/2019 1:10:57 PM



#24
 1,1-Dichloroethane
 Concen: 19.911 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Tgt Ion	63	Resp	121361
Ion Ratio	100	Lower	Upper
63	100		
98	5.6	2.9	8.8
100	3.7	1.7	5.0





#25

2-Butanone

Concen: 105.191 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Tot Ion: 43 Resp: 223774

Ion Ratio Lower Upper

43 100

72 22.2 17.0 25.6

Instrument :

MSVOA_N

ClientSampleId :

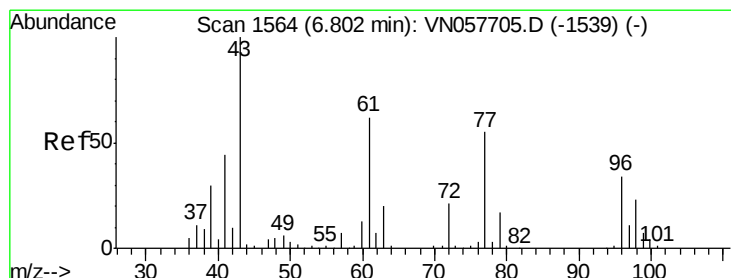
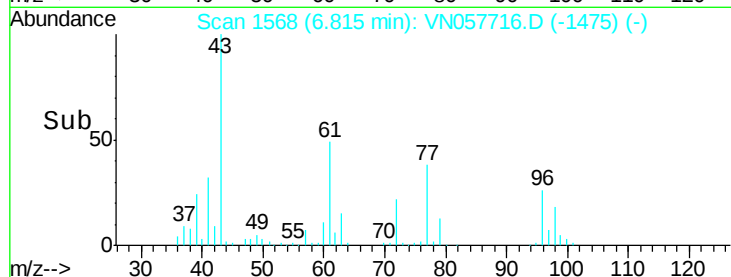
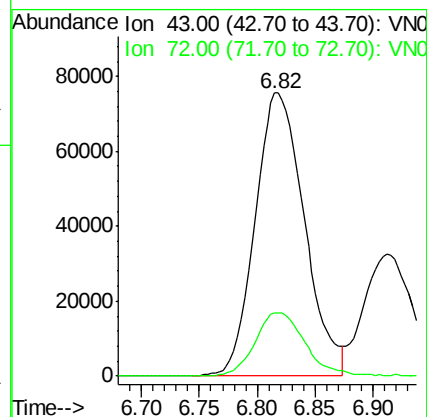
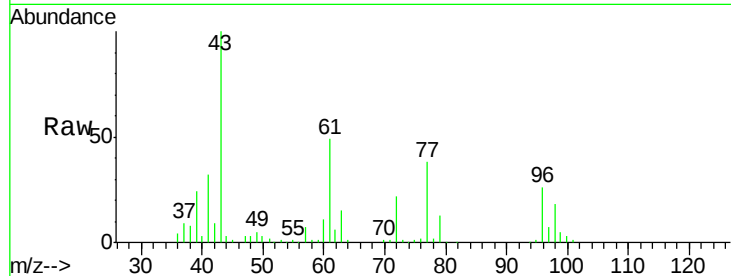
VN0906WBS01

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#26

2,2-Dichloropropane

Concen: 19.879 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN057716.D

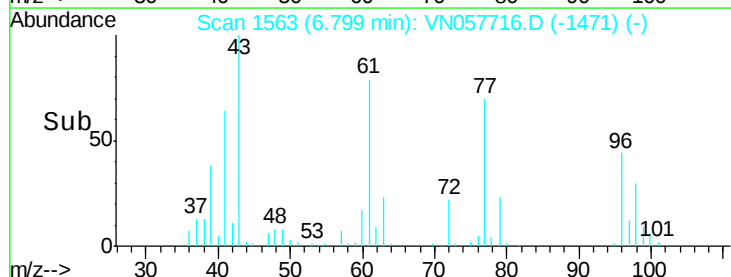
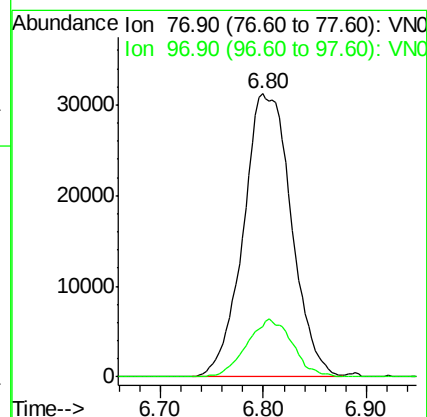
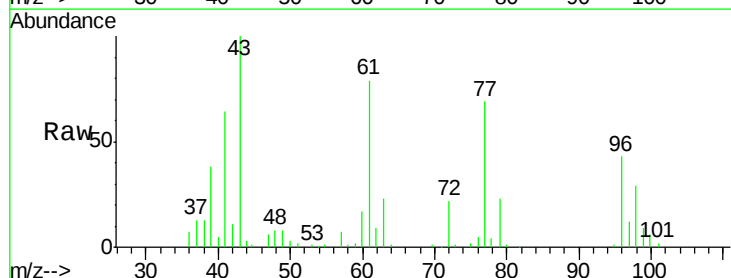
Acq: 6 Sep 2019 16:46

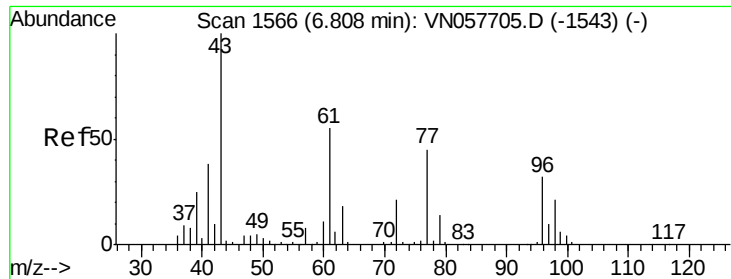
Tgt Ion: 77 Resp: 101087

Ion Ratio Lower Upper

77 100

97 19.4 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 19.125 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

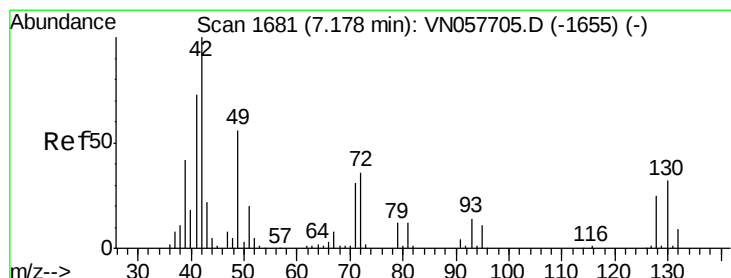
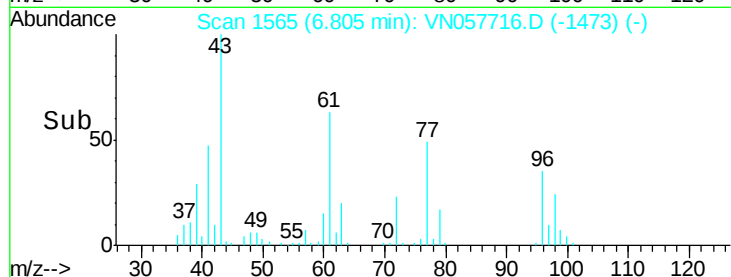
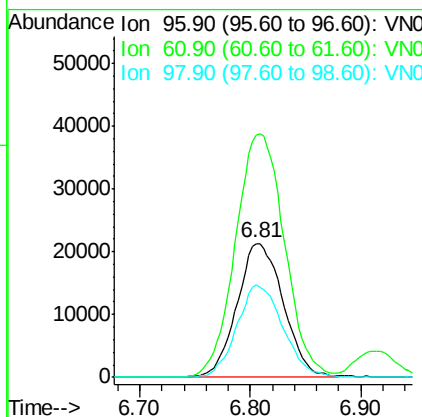
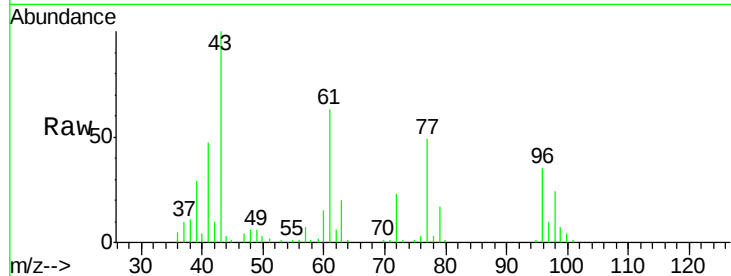
ClientSampleId :

VN0906WBS01

Tot Ion:	96	Resp:	62120
Ion	Ratio	Lower	Upper
96	100		
61	192.1	0.0	360.6
98	68.2	0.0	130.6

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#28

Bromochloromethane

Concen: 18.752 ug/l

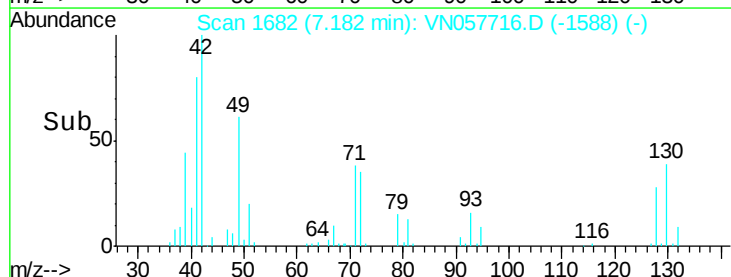
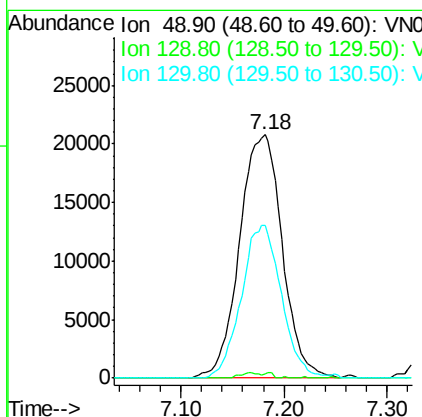
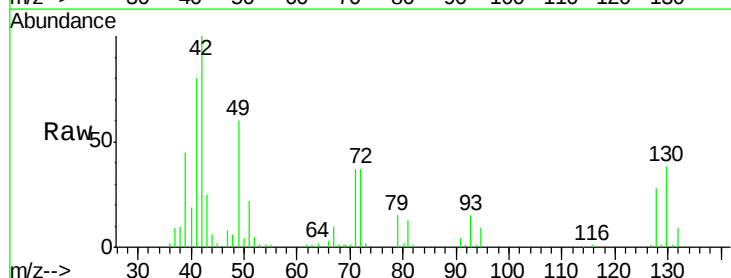
RT: 7.18 min Scan# 1682

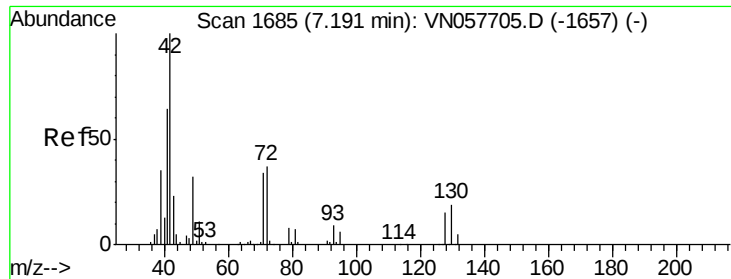
Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Tgt Ion:	49	Resp:	59804
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.4
130	58.6	45.8	68.8





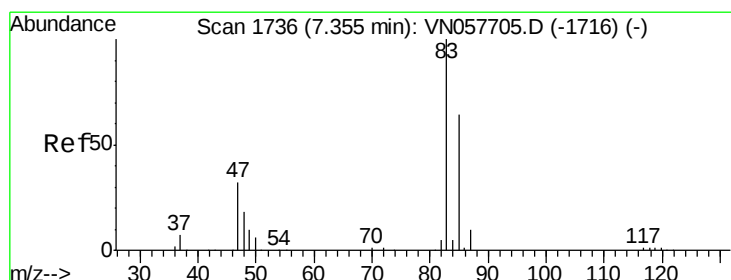
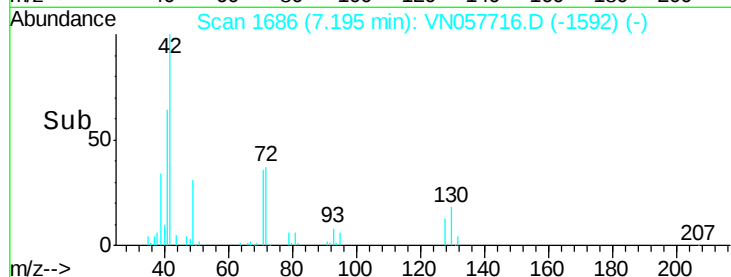
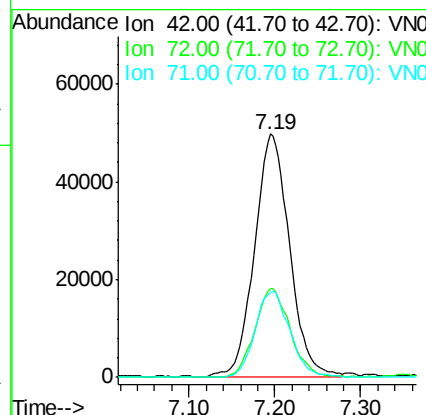
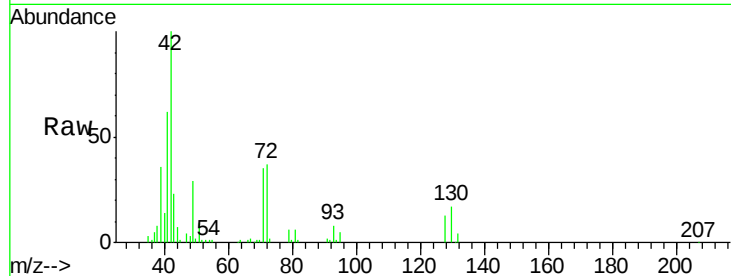
#29
Tetrahydrofuran
Concen: 103.366 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	29.2	43.8
71	35.2	27.0	40.4

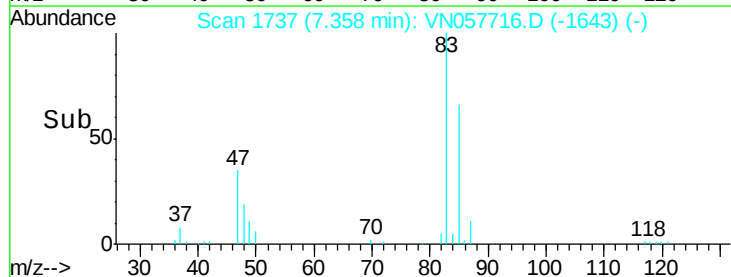
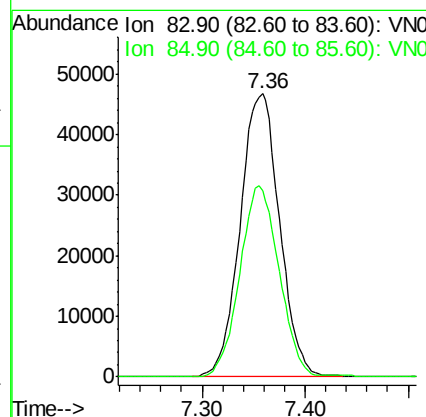
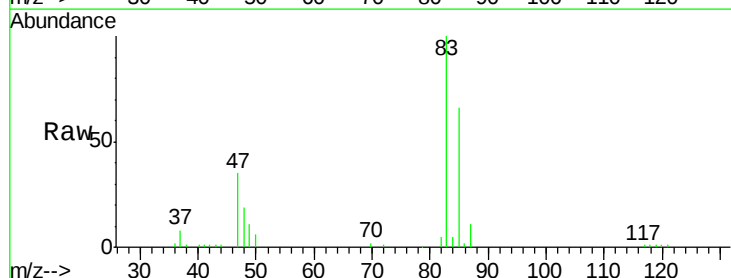
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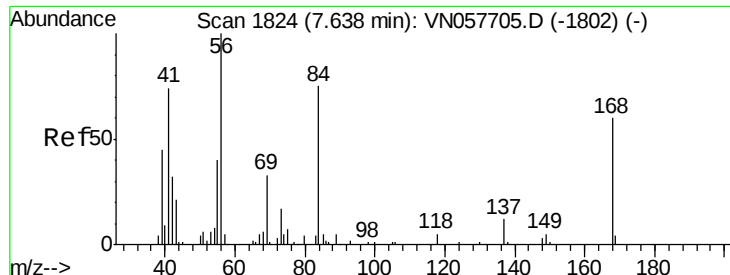
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#30
Chloroform
Concen: 19.554 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.3	76.9





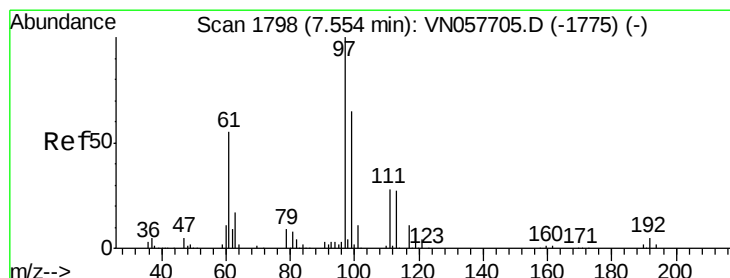
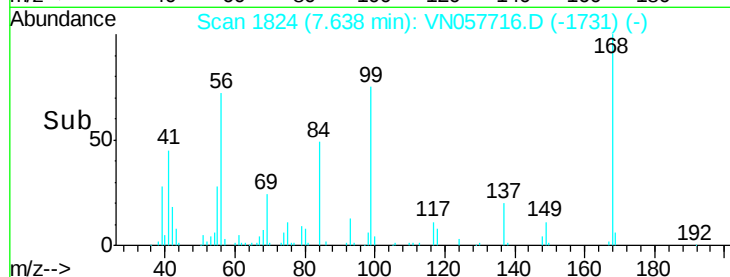
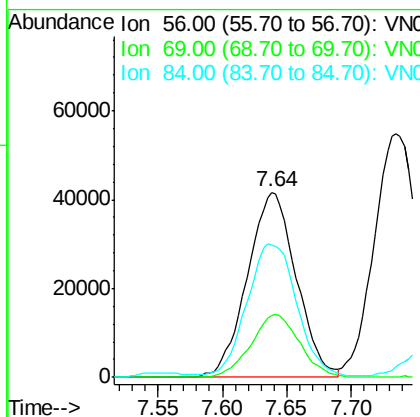
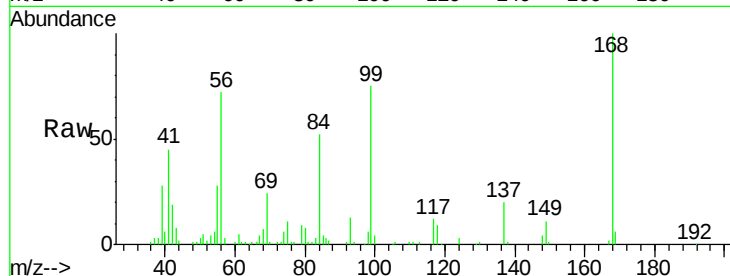
#31
Cyclohexane
Concen: 20.246 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.2	39.2
84	70.5	59.8	89.8

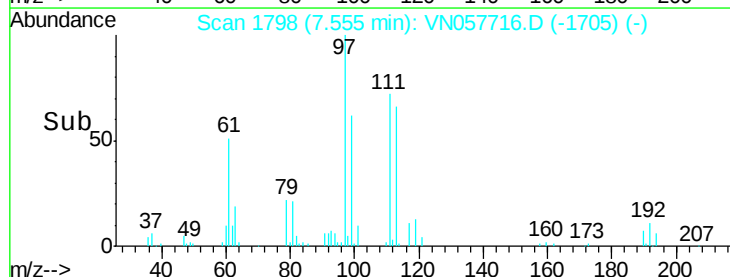
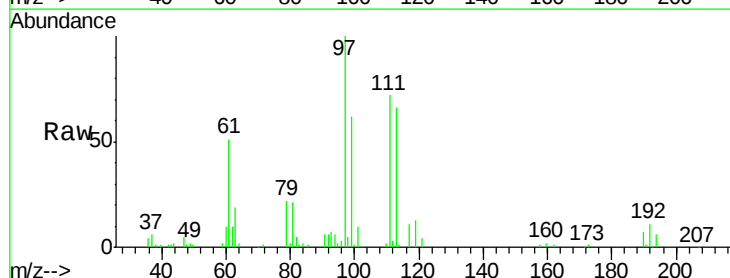
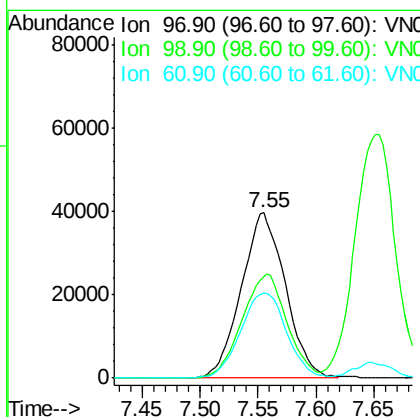
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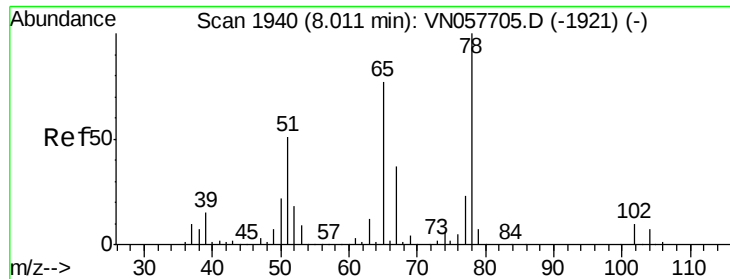
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#32
1,1,1-Trichloroethane
Concen: 19.762 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	53.7	42.8	64.2





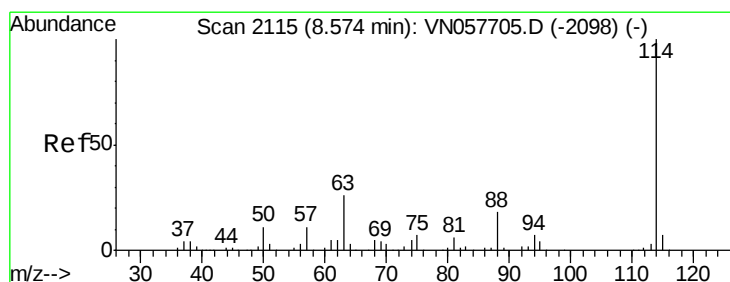
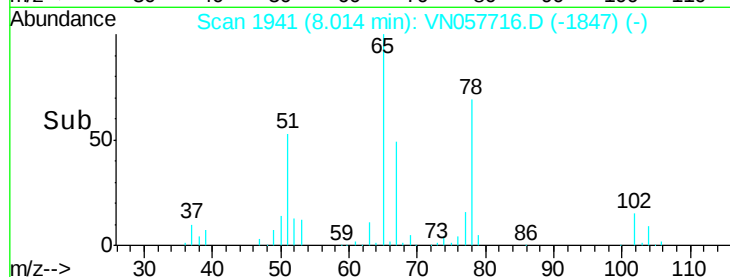
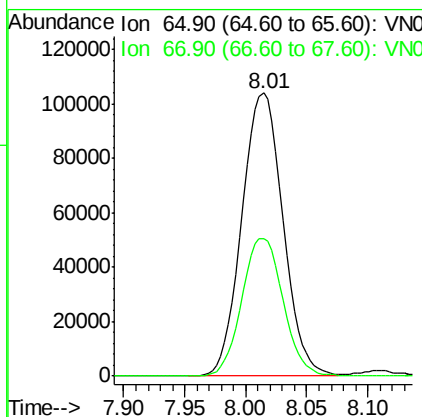
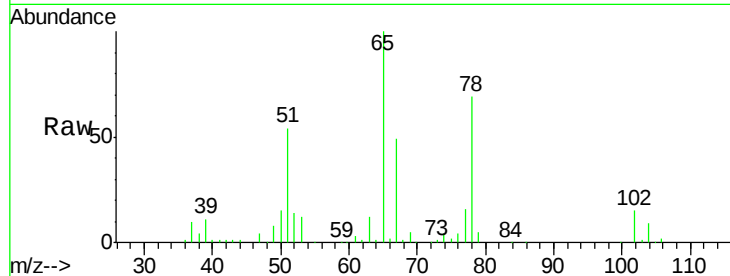
#33
 1,2-Dichloroethane-d4
 Concen: 50.438 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion: 65 Resp: 243467
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 98.2

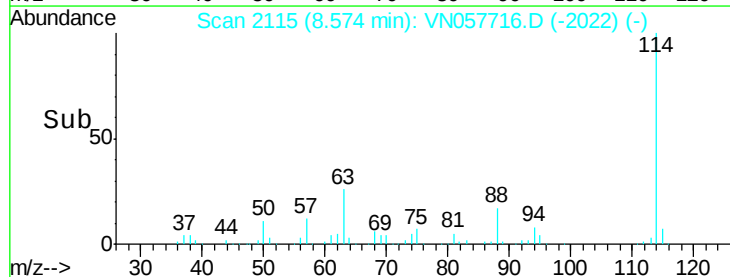
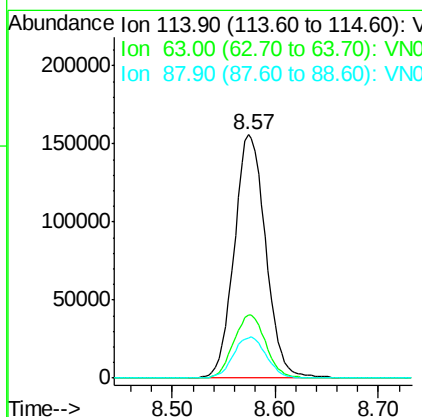
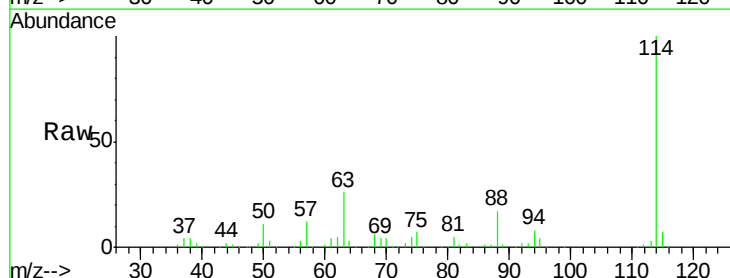
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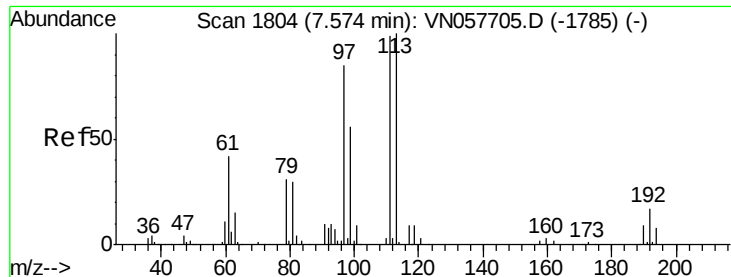
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Tgt Ion: 114 Resp: 331464
 Ion Ratio Lower Upper
 114 100
 63 26.1 0.0 52.4
 88 16.7 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.853 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

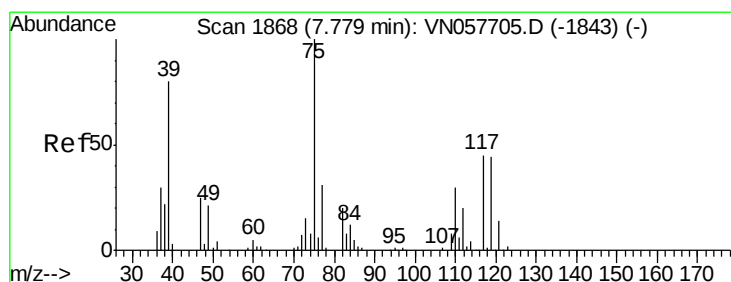
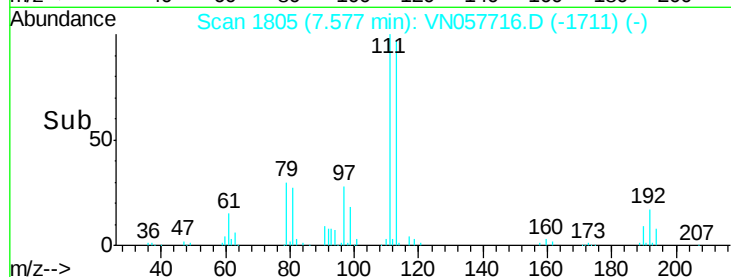
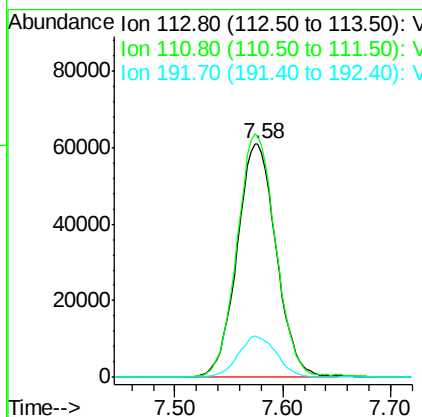
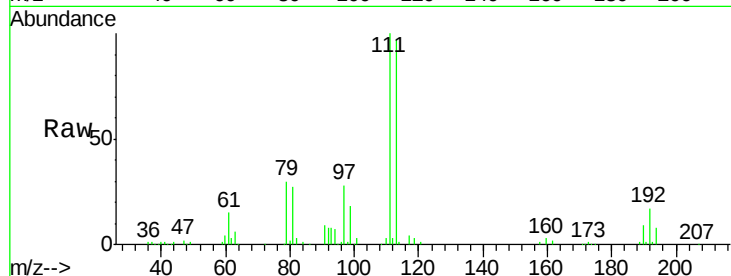
ClientSampled :

VN0906WBS01

Tot Ion:	113	Resp:	153531
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.7	124.1
192	17.4	13.8	20.6

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#36

1,1-Dichloropropene

Concen: 18.965 ug/l

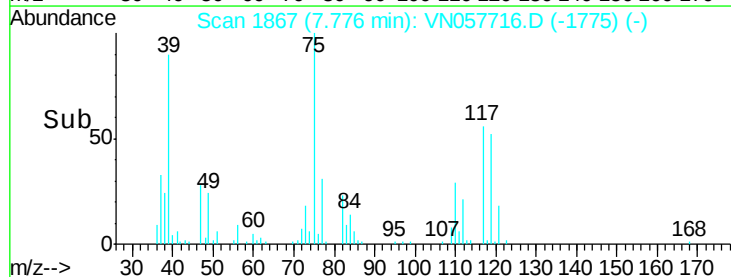
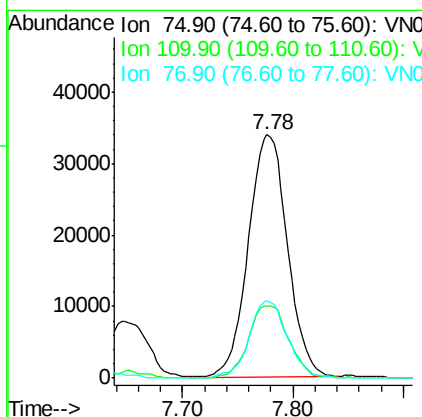
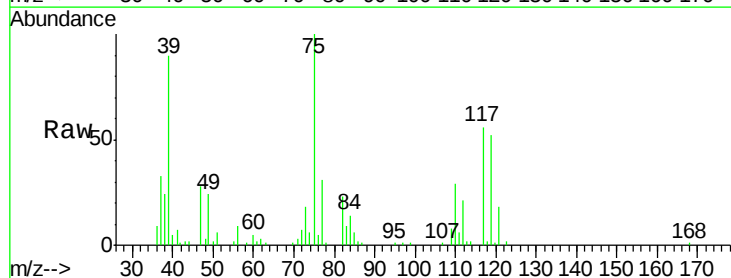
RT: 7.78 min Scan# 1867

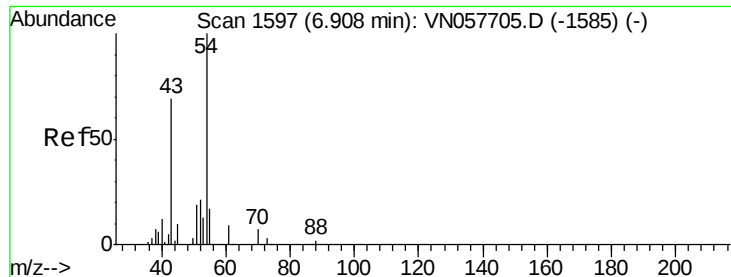
Delta R.T. -0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Tgt Ion:	75	Resp:	83630
Ion Ratio	Lower	Upper	
75	100		
110	30.4	15.0	45.0
77	31.3	24.6	37.0





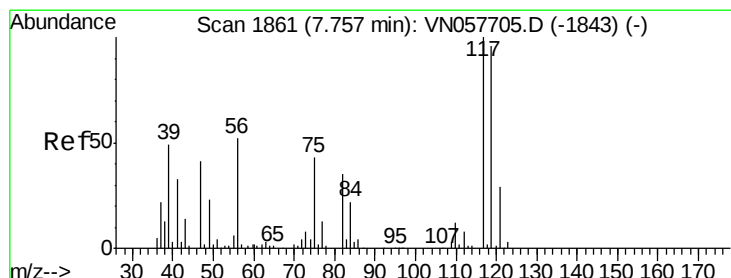
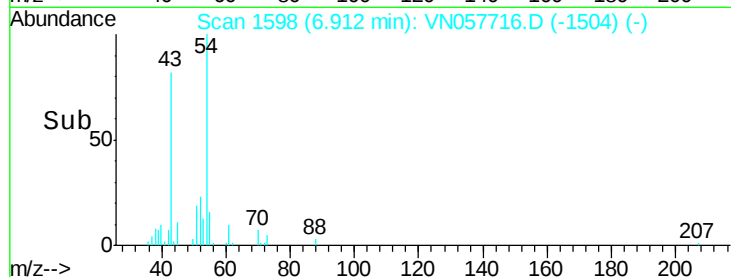
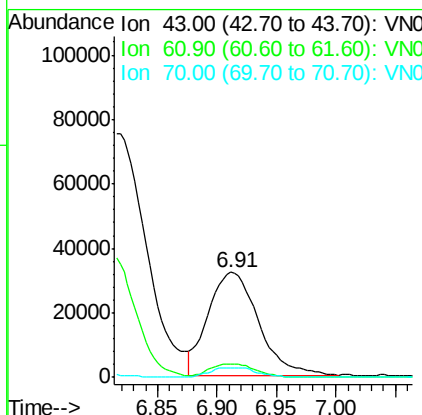
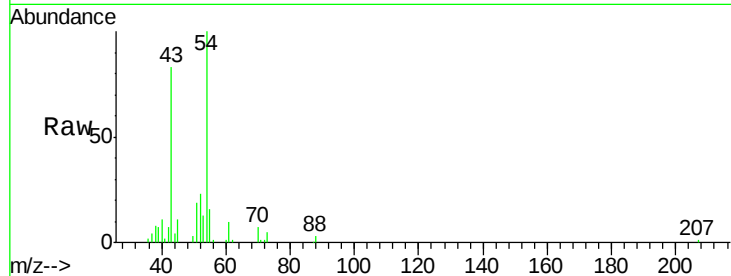
#37
Ethyl Acetate
Concen: 21.567 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampled :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	4.7	6.7	10.1

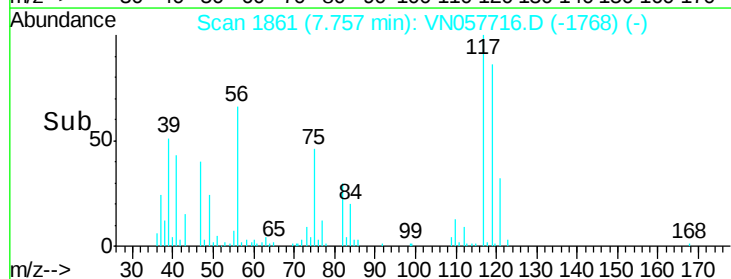
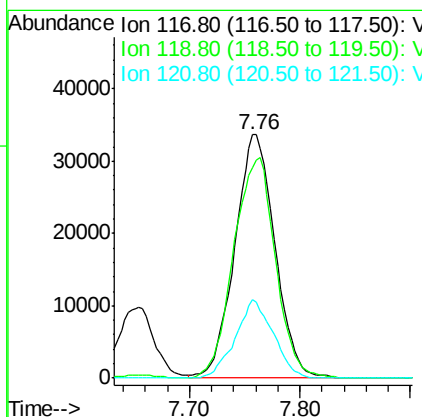
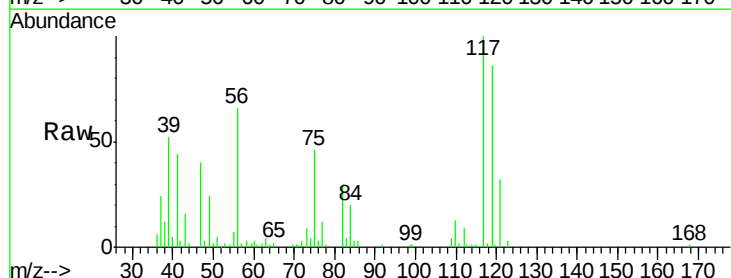
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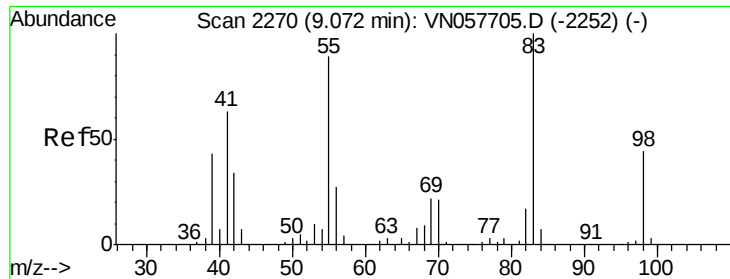
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#38
Carbon Tetrachloride
Concen: 20.109 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.4	76.1	114.1
121	32.2	23.4	35.2





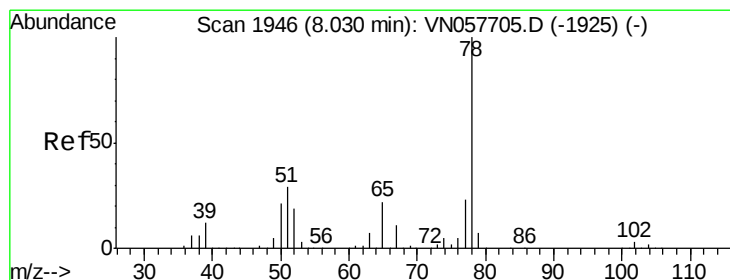
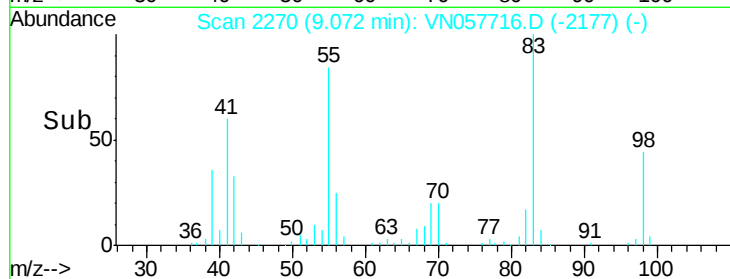
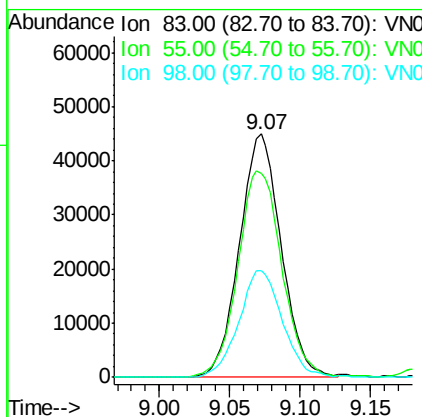
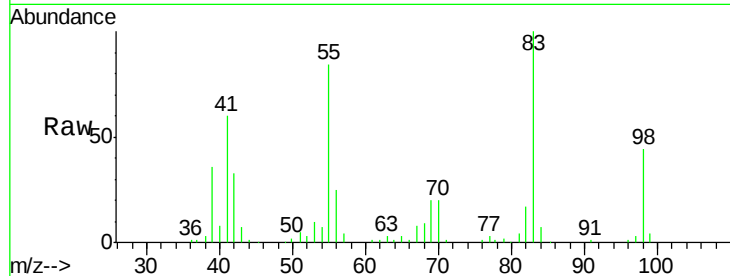
#39
Methvlcvclohexane
Concen: 19.941 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	83.00	Resp	93008
Ion	Ratio	Lower	Upper
83	100		
55	83.9	71.4	107.0
98	43.9	35.3	52.9

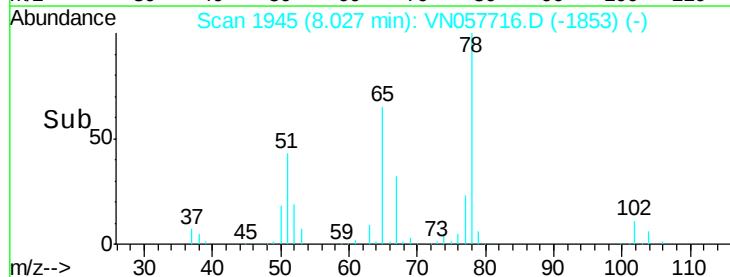
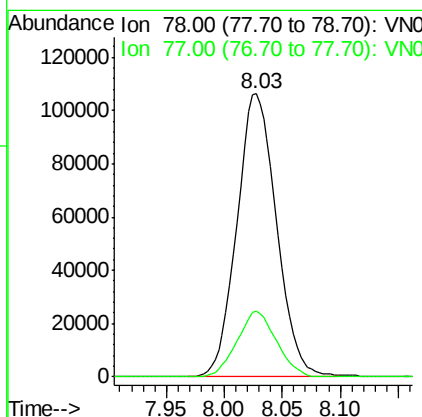
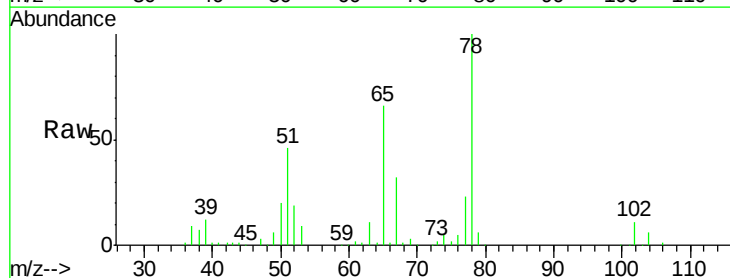
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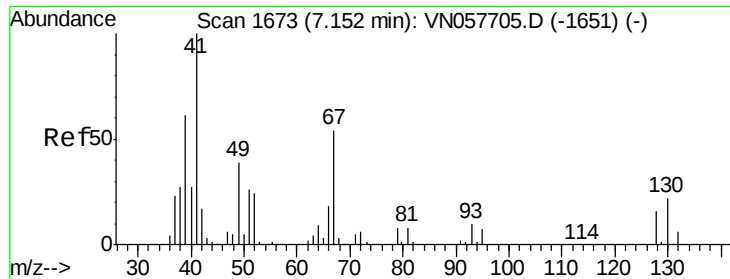
MMDadoda
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#40
Benzene
Concen: 20.229 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion	78.00	Resp	252302
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





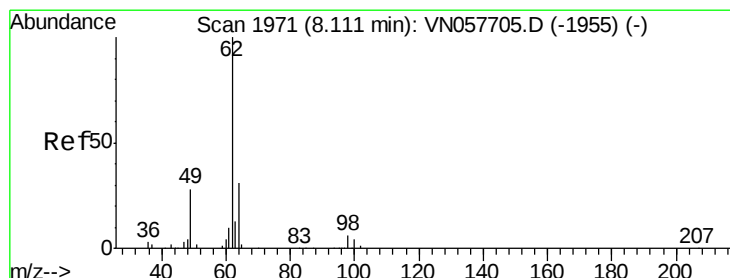
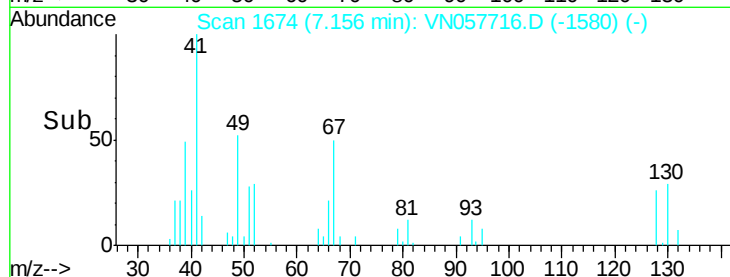
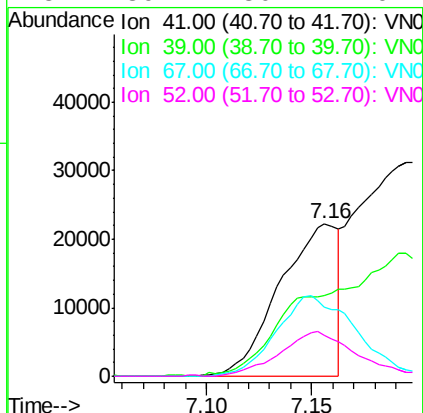
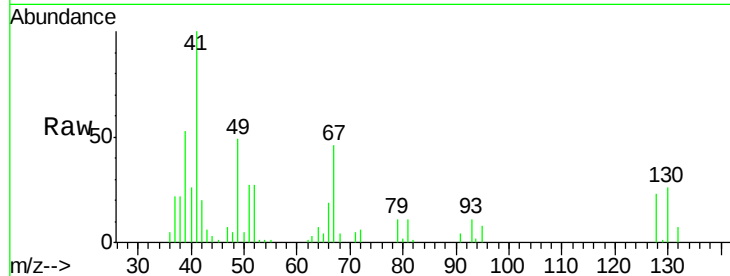
#41
Methacrylonitrile
Concen: 20.035 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.6	65.4#
67	72.9	59.8	89.6
52	39.2	30.7	46.1

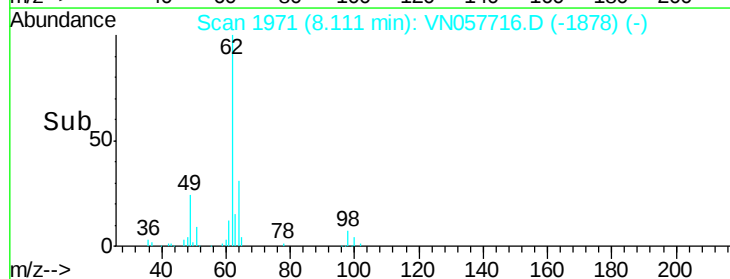
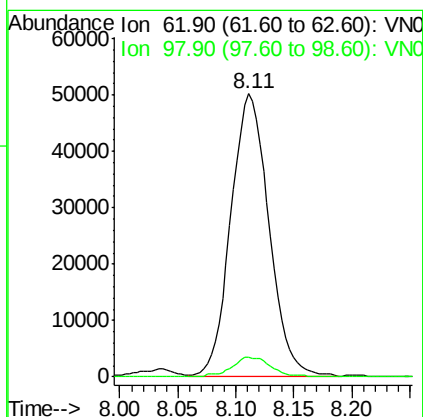
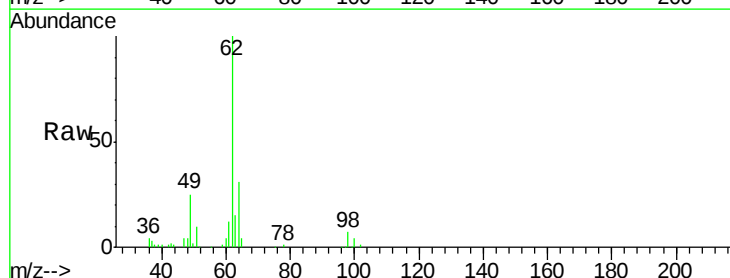
Manual Integrations
APPROVED

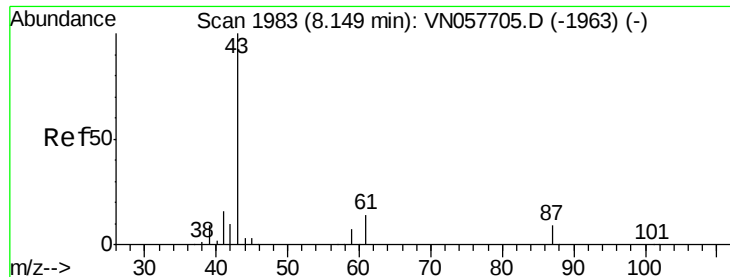
MMDadoda
9/9/2019 1:10:57 PM



#42
1,2-Dichloroethane
Concen: 19.587 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	12.6





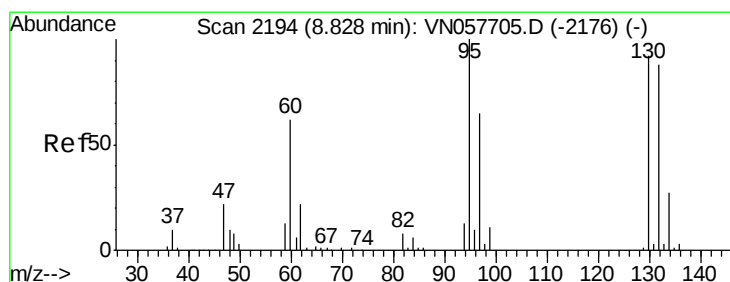
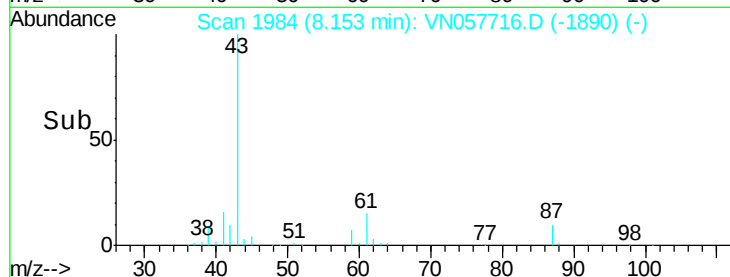
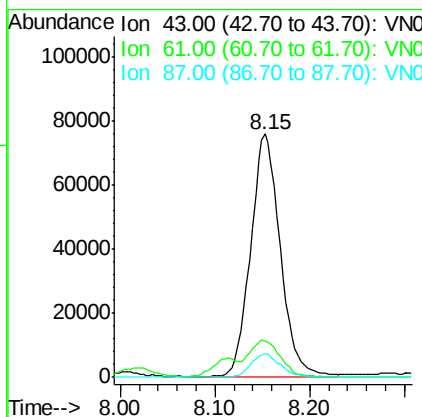
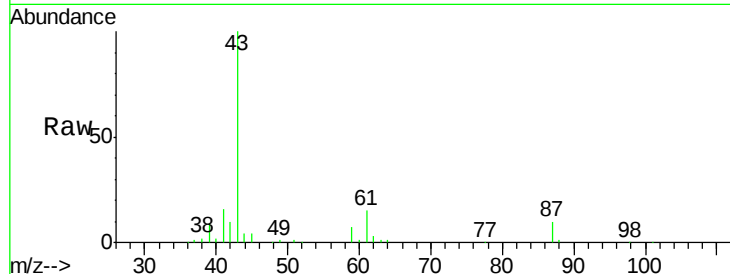
#43
Isopropyl Acetate
Concen: 19.531 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.8	19.2
87	9.7	7.8	11.8

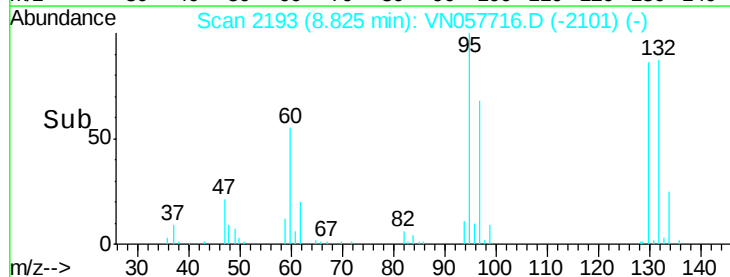
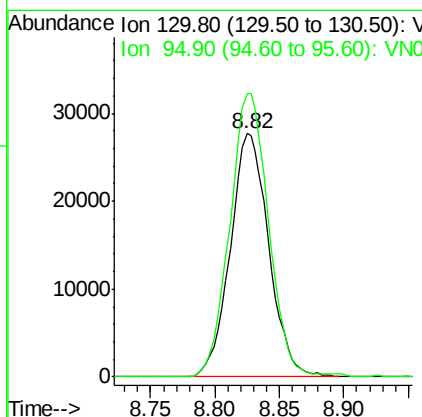
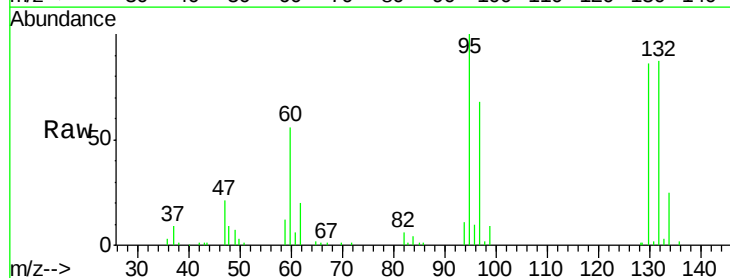
Manual Integrations
APPROVED

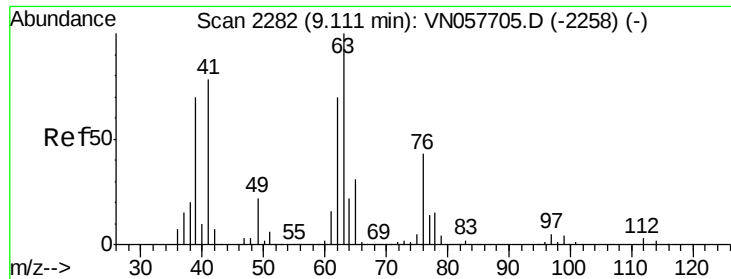
MMDadoda
9/9/2019 1:10:57 PM



#44
Trichloroethene
Concen: 20.446 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.2	0.0	217.8





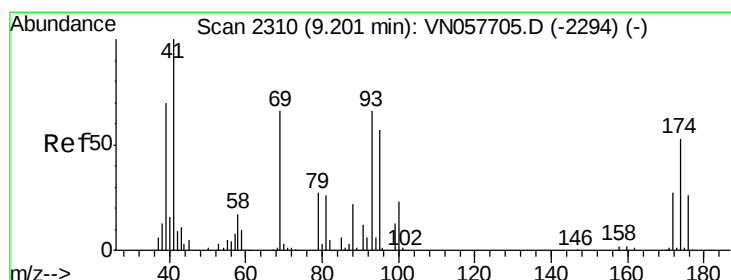
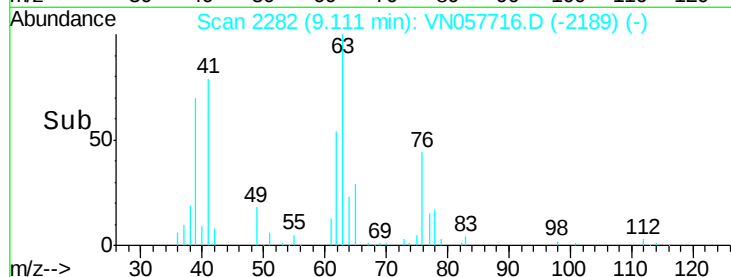
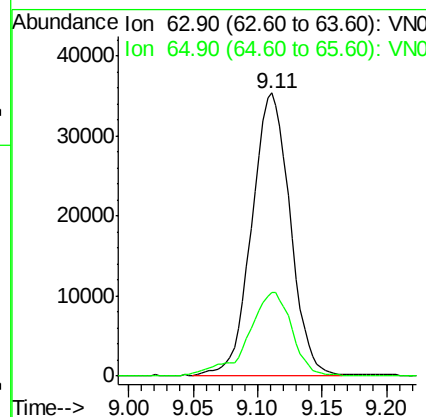
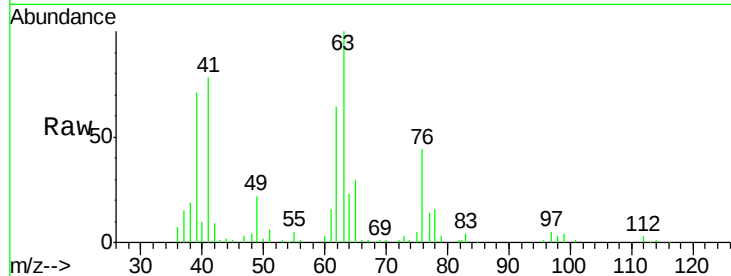
#45
 1,2-Dichloropropane
 Concen: 21.099 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion: 63 Resp: 73600
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.5 36.7

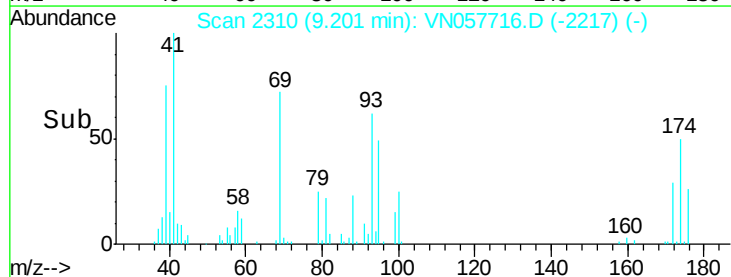
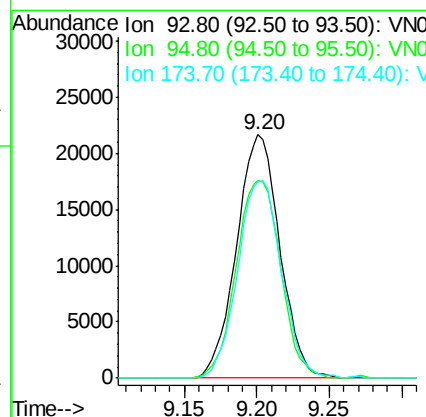
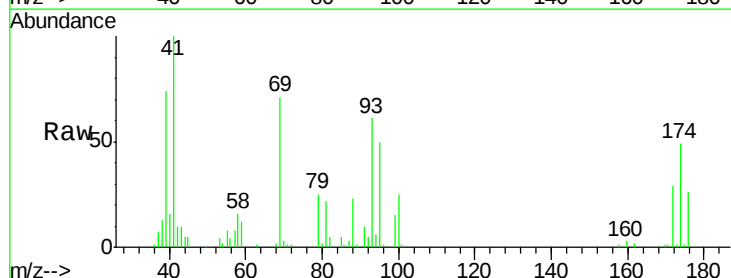
Manual Integrations
 APPROVED

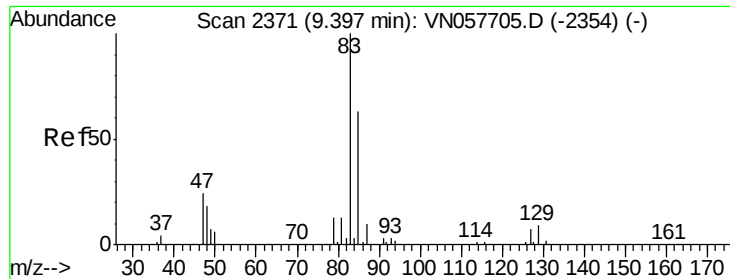
MMDadoda
 9/9/2019 1:10:57 PM



#46
 Dibromomethane
 Concen: 20.056 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Tgt Ion: 93 Resp: 44878
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.1 99.1
 174 82.2 63.4 95.2





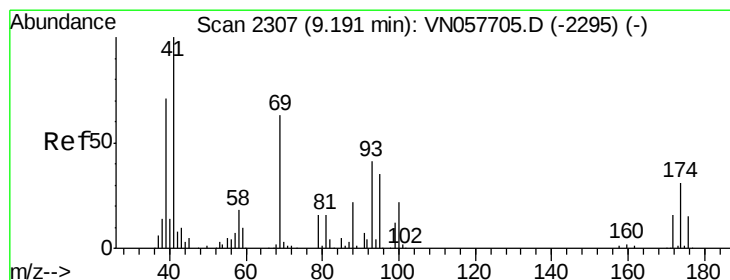
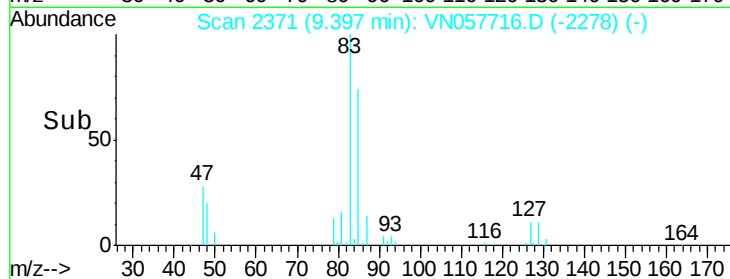
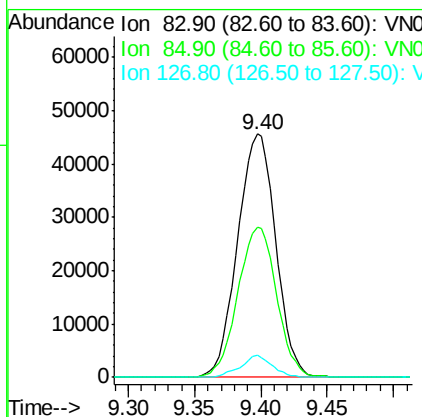
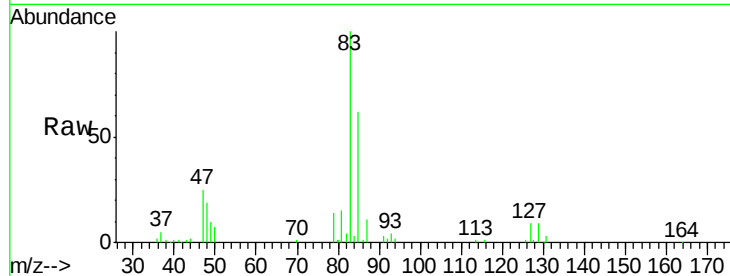
#47
Bromodichloromethane
Concen: 19.164 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	83	Resp	91133
Ion Ratio	100	Lower	Upper
83	100		
85	61.8	50.7	76.1
127	8.8	5.6	8.4

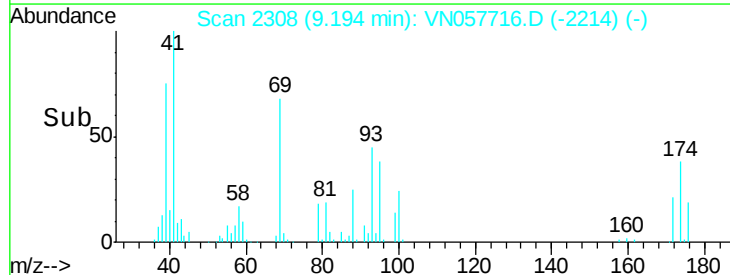
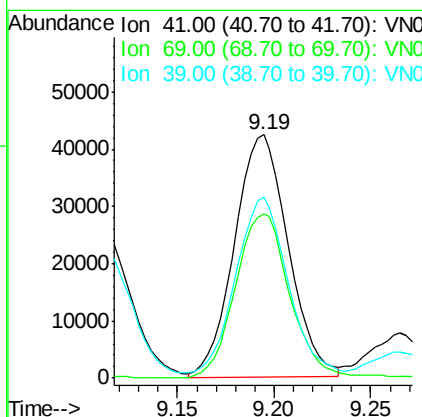
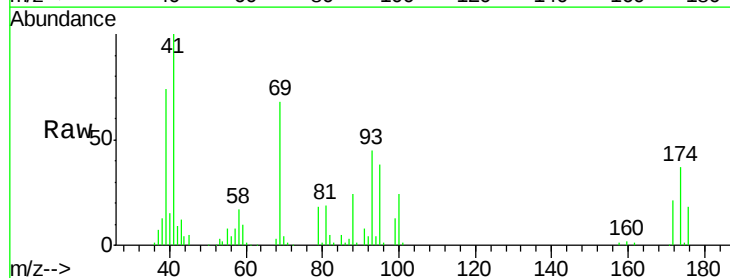
Manual Integrations
APPROVED

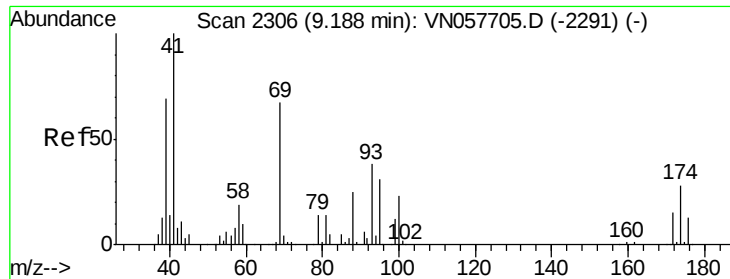
MMDadoda
9/9/2019 1:10:57 PM



#48
Methyl methacrylate
Concen: 18.922 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion	41	Resp	81772
Ion Ratio	100	Lower	Upper
41	100		
69	69.0	51.2	76.8
39	73.7	57.3	85.9





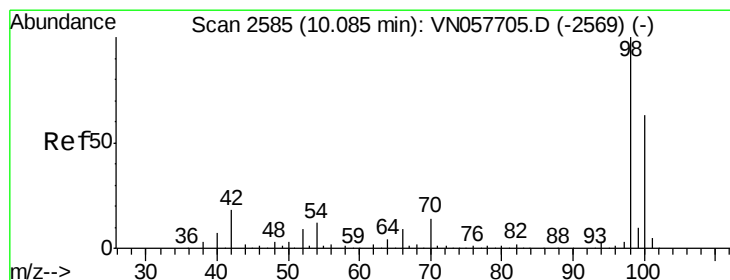
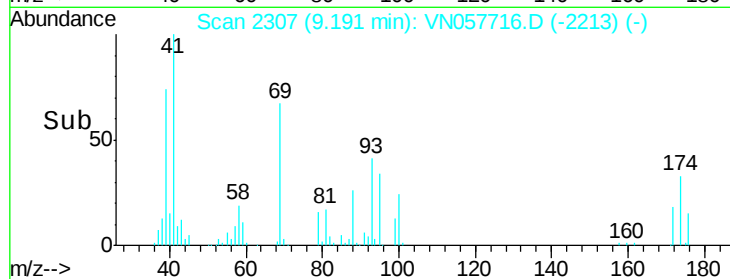
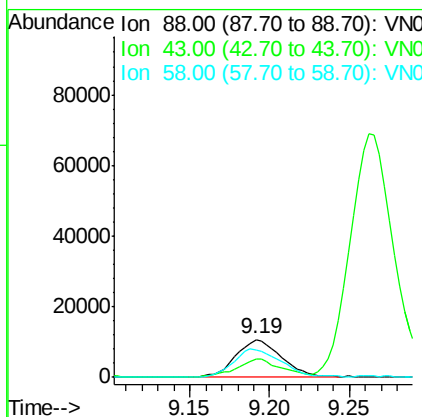
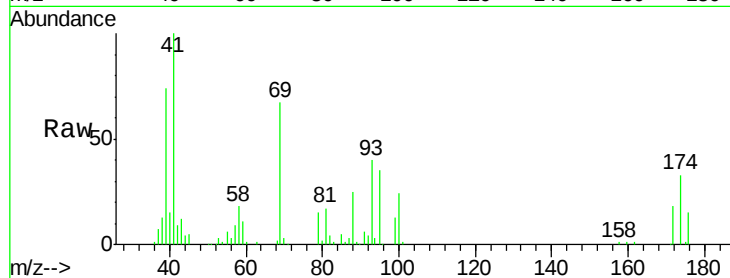
#49
 1,4-Dioxane
 Concen: 416.113 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.6	35.4	53.2
58	78.2	61.5	92.3

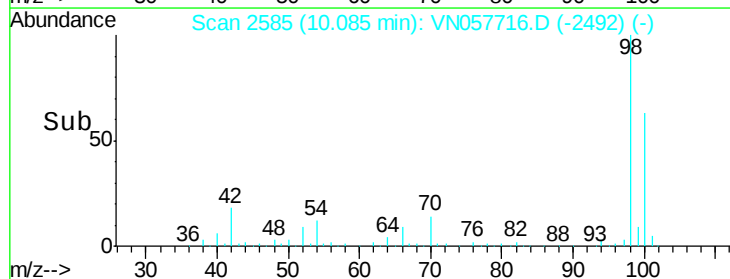
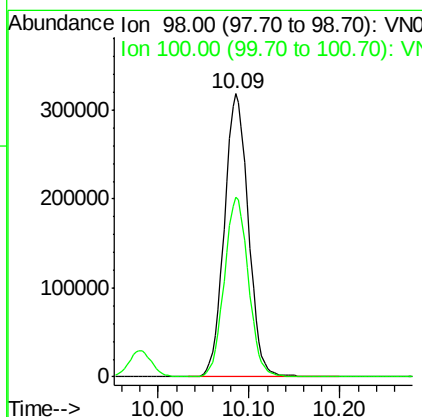
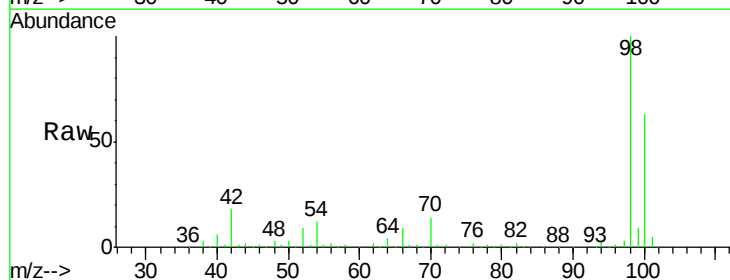
Manual Integrations
 APPROVED

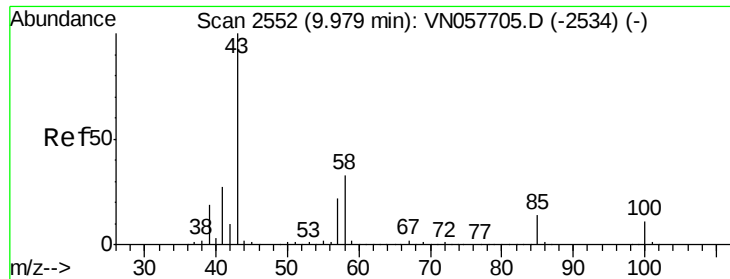
MMDadoda
 9/9/2019 1:10:57 PM



#50
 Toluene-d8
 Concen: 52.264 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 105.018 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBS01

Tot Ion: 43 Resp: 490076

Ion Ratio Lower Upper

43 100

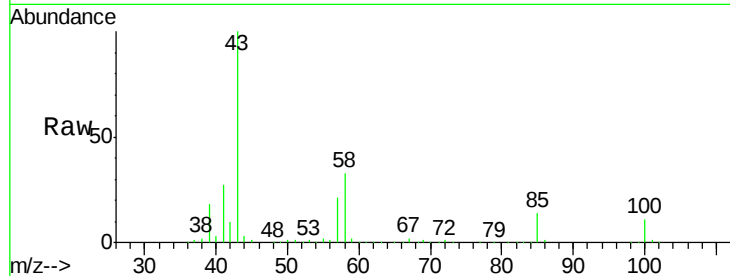
58 32.8 25.8 38.8

Manual Integrations

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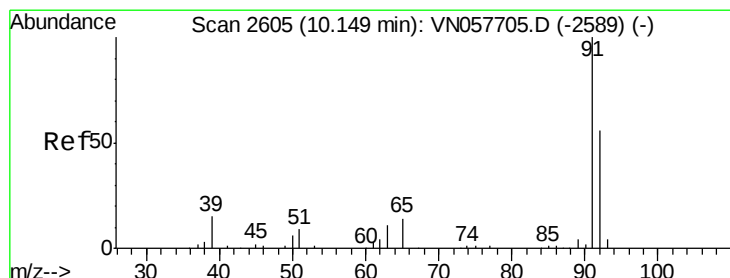
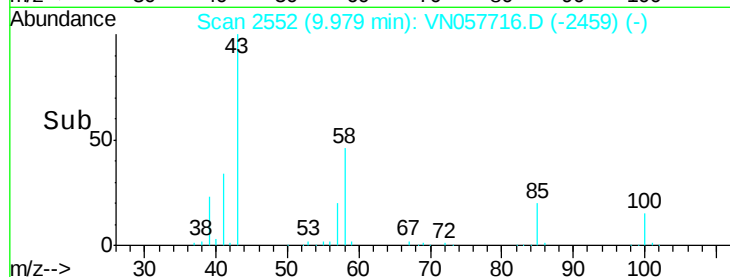
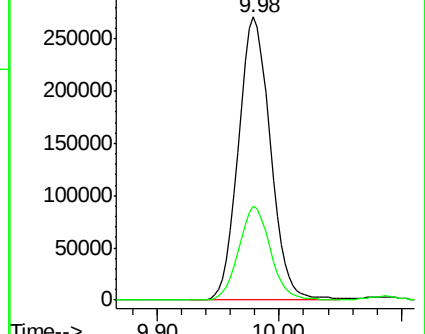
MMDadoda

9/9/2019 1:10:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.270 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057716.D

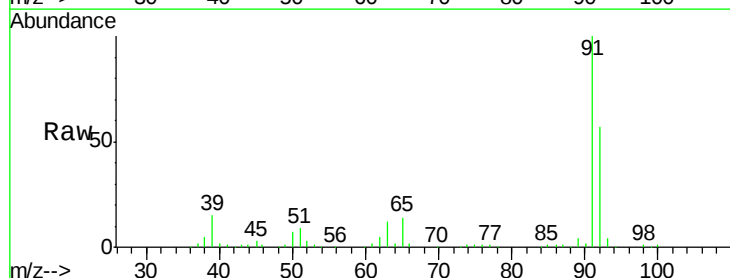
Acq: 6 Sep 2019 16:46

Tgt Ion: 92 Resp: 153235

Ion Ratio Lower Upper

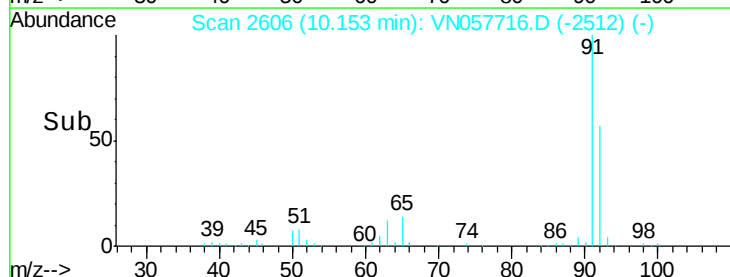
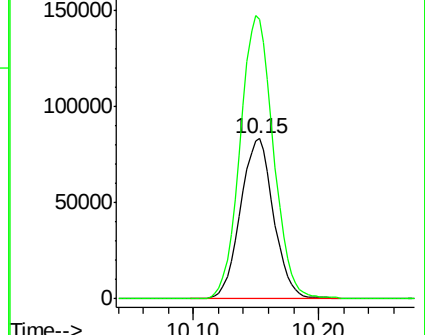
92 100

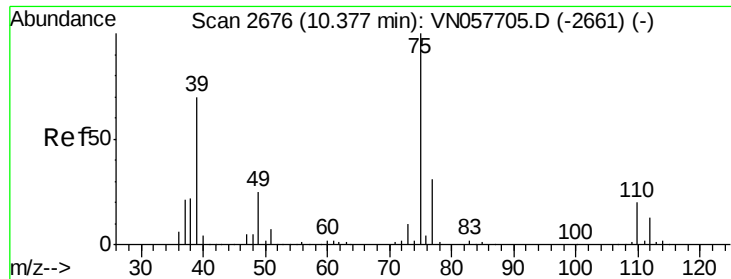
91 176.8 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





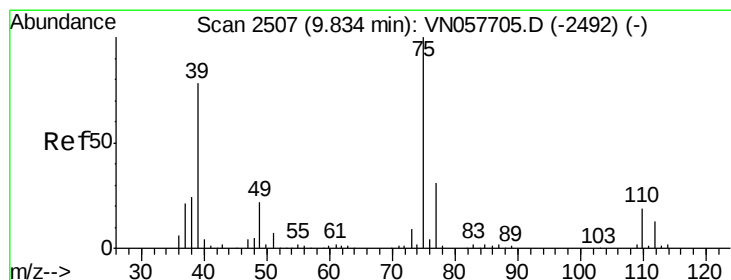
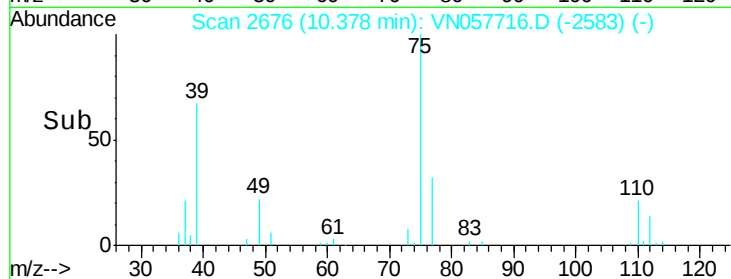
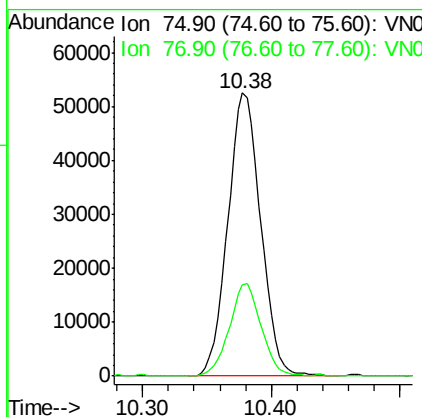
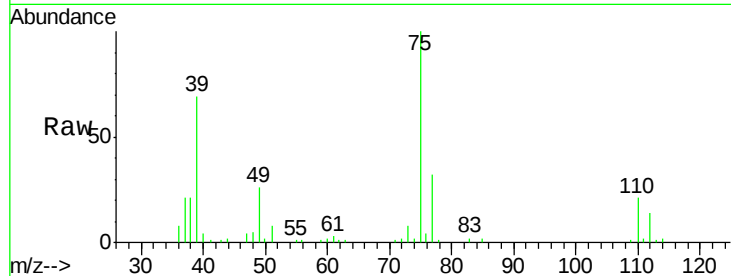
#53
t-1,3-Dichloropropene
Concen: 19.441 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion: 75 Resp: 92748
Ion Ratio Lower Upper
75 100
77 32.5 25.1 37.7

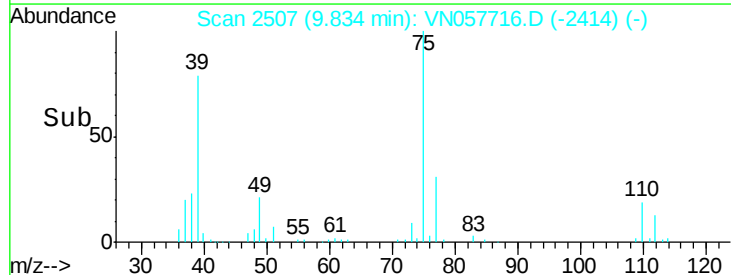
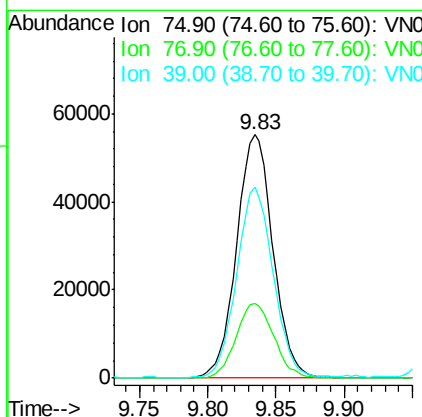
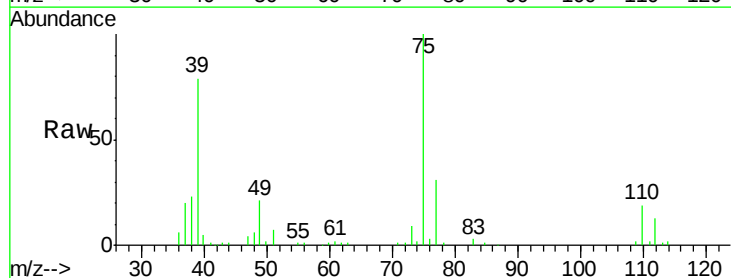
Manual Integrations
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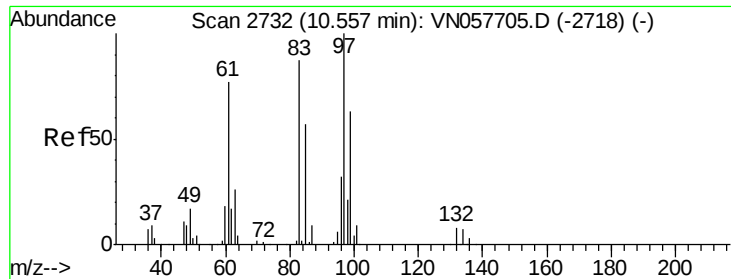
MMDadoda
9/9/2019 1:10:57 PM



#54
cis-1,3-Dichloropropene
Concen: 19.936 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion: 75 Resp: 102758
Ion Ratio Lower Upper
75 100
77 30.9 25.1 37.7
39 78.2 62.4 93.6





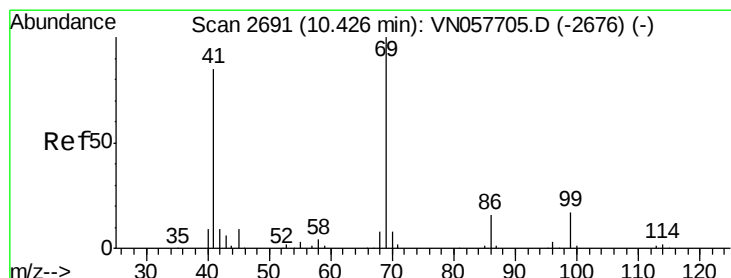
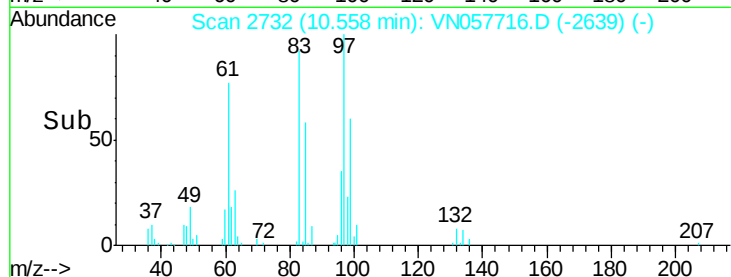
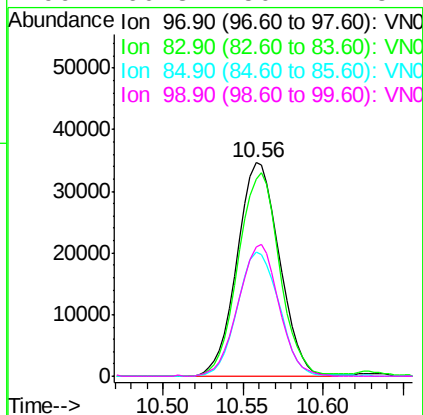
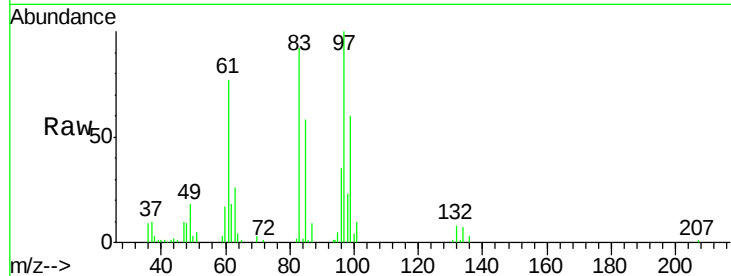
#55
 1,1,2-Trichloroethane
 Concen: 20.568 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion:	97	Resp:	62571
Ion	Ratio	Lower	Upper
97	100		
83	92.2	69.5	104.3
85	58.3	45.7	68.5
99	60.3	50.2	75.4

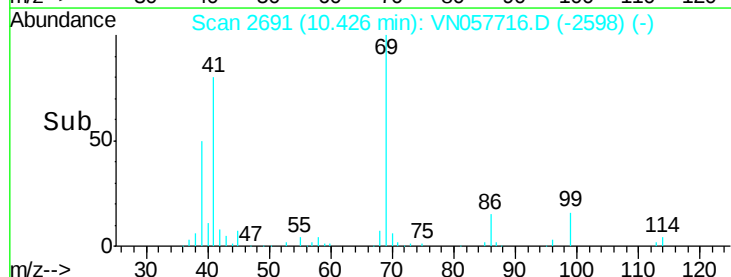
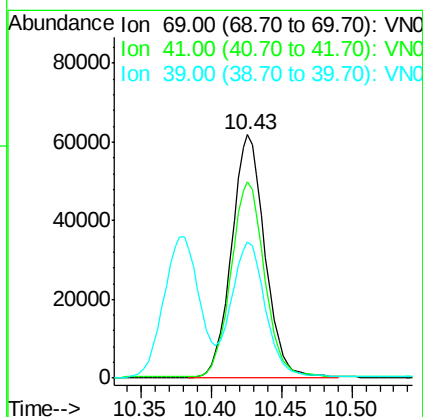
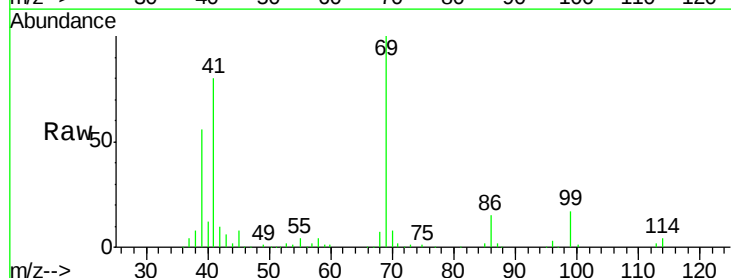
Manual Integrations
 APPROVED

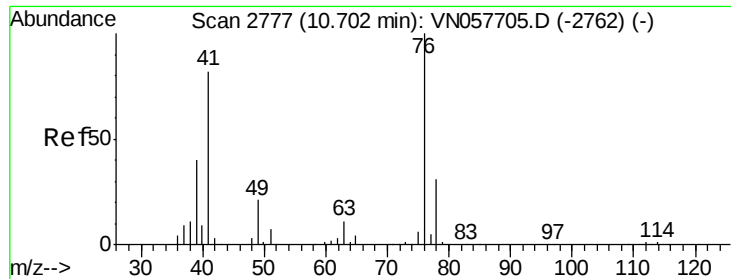
MMDadoda
 9/9/2019 1:10:57 PM



#56
 Ethyl methacrylate
 Concen: 21.163 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Tgt Ion:	69	Resp:	102764
Ion	Ratio	Lower	Upper
69	100		
41	80.1	69.0	103.4
39	56.4	49.2	73.8





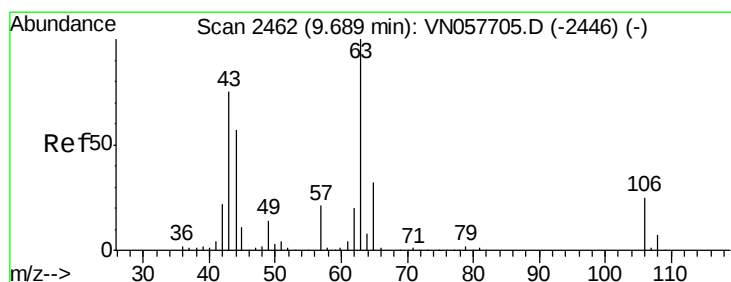
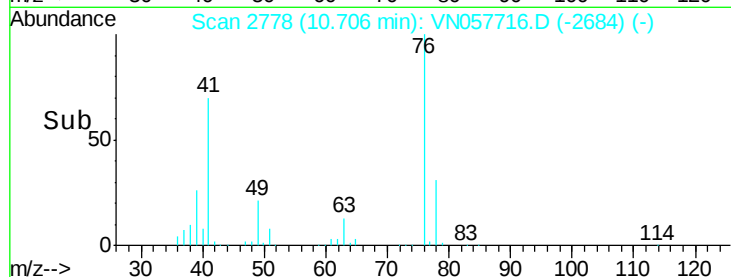
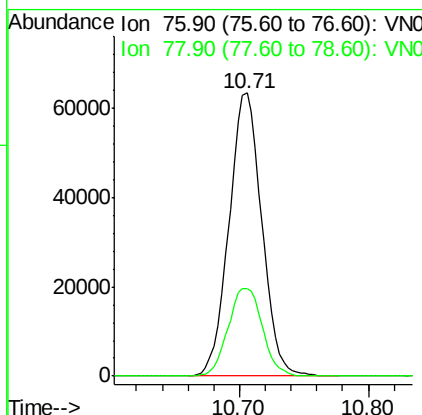
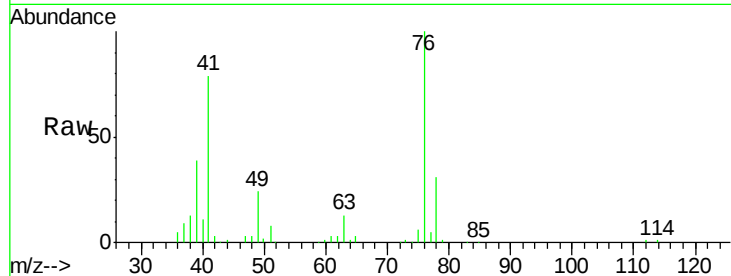
#57
 1,3-Dichloropropane
 Concen: 20.451 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion: 76 Resp: 111762
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3

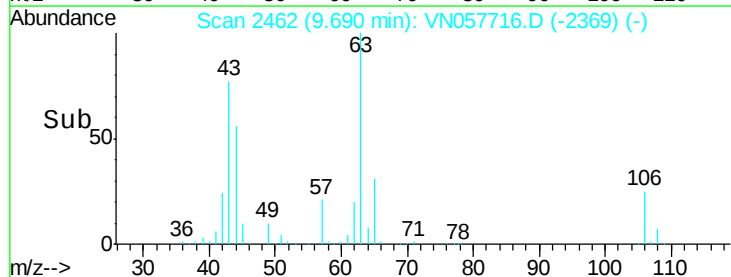
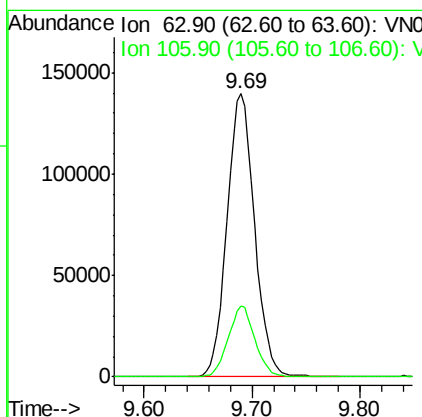
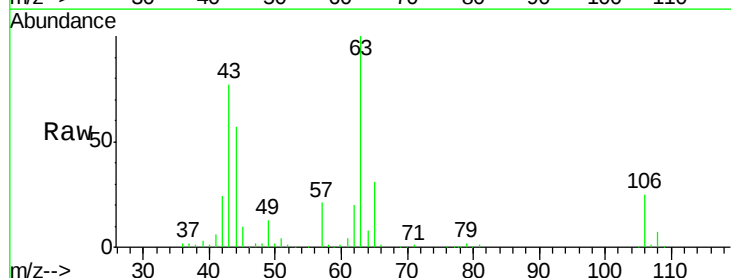
Manual Integrations
 APPROVED

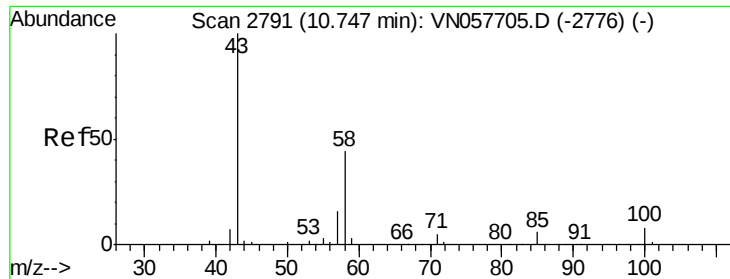
MMDadoda
 9/9/2019 1:10:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.043 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Tgt Ion: 63 Resp: 248920
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.4 29.2





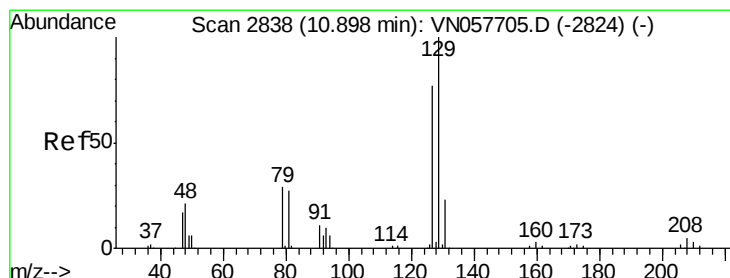
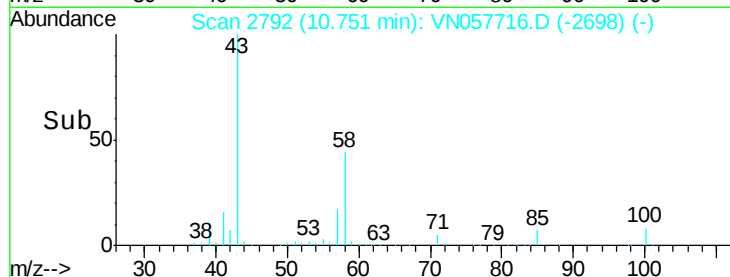
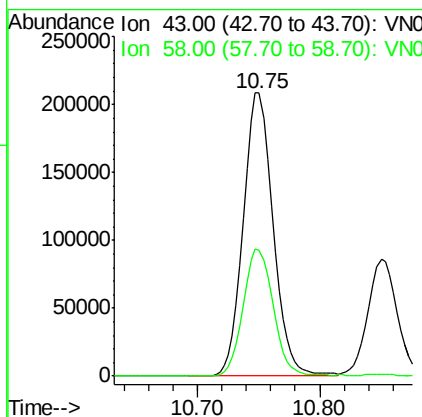
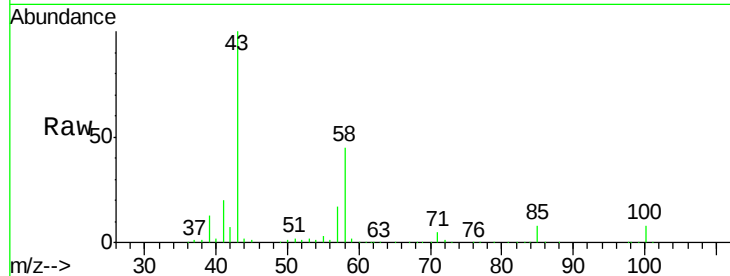
#59
2-Hexanone
Concen: 106.792 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion: 43 Resp: 351420
Ion Ratio Lower Upper
43 100
58 45.2 22.1 66.5

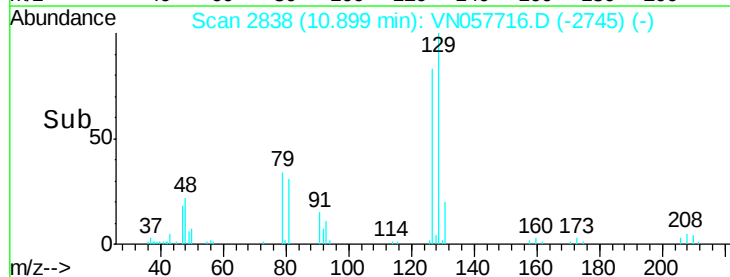
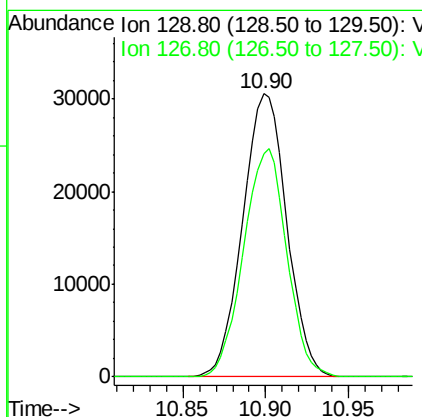
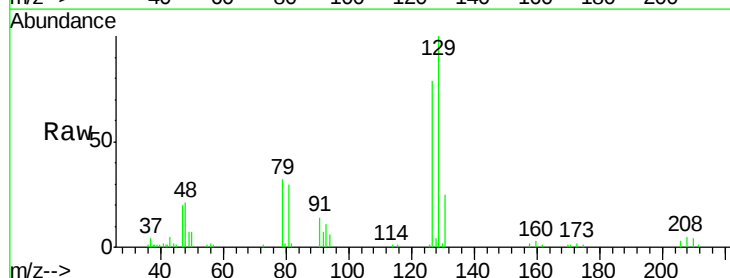
Manual Integrations
APPROVED

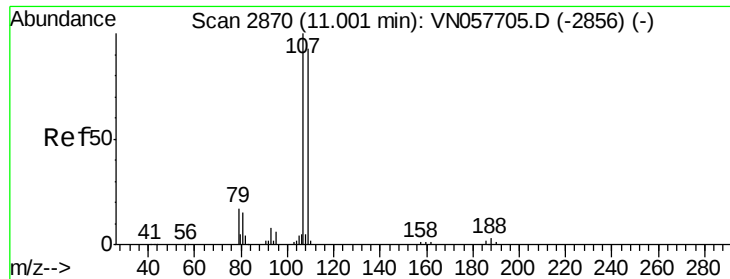
MMDadoda
9/9/2019 1:10:57 PM



#60
Dibromochloromethane
Concen: 18.440 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion: 129 Resp: 56507
Ion Ratio Lower Upper
129 100
127 78.8 38.4 115.2





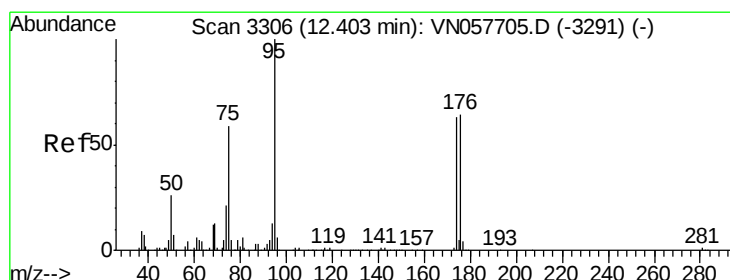
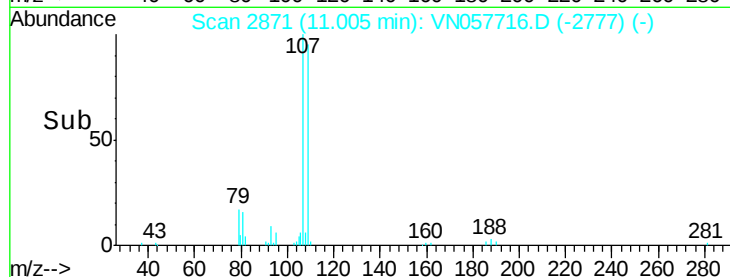
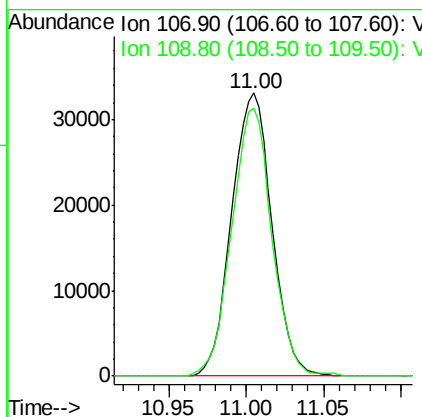
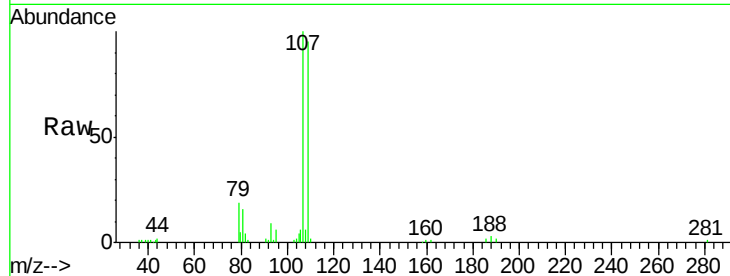
#61
 1,2-Dibromoethane
 Concen: 20.462 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion: 107 Resp: 59760
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.6 112.0

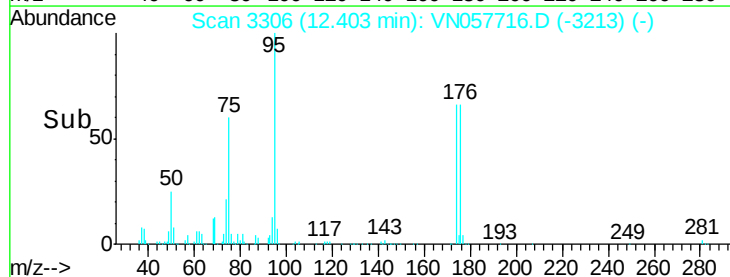
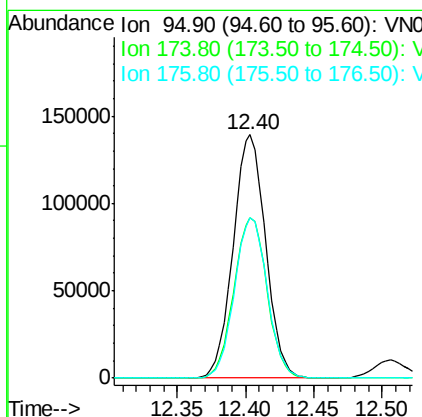
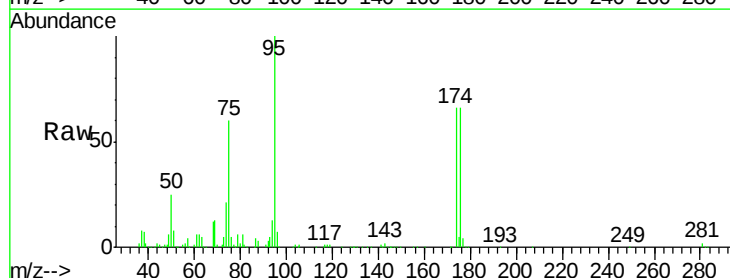
Manual Integrations
 APPROVED

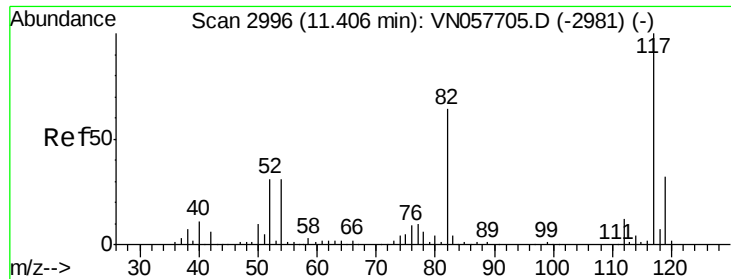
MMDadoda
 9/9/2019 1:10:57 PM



#62
 4-Bromofluorobenzene
 Concen: 49.636 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Tgt Ion: 95 Resp: 230253
 Ion Ratio Lower Upper
 95 100
 174 67.1 0.0 128.0
 176 66.3 0.0 128.0





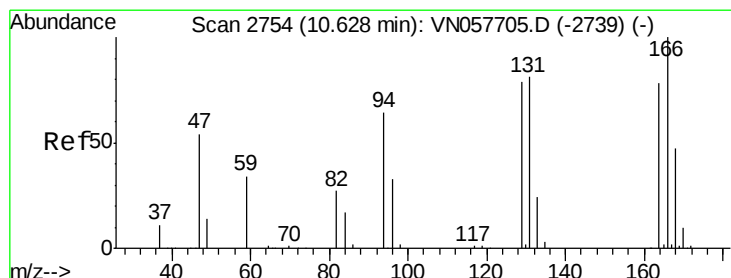
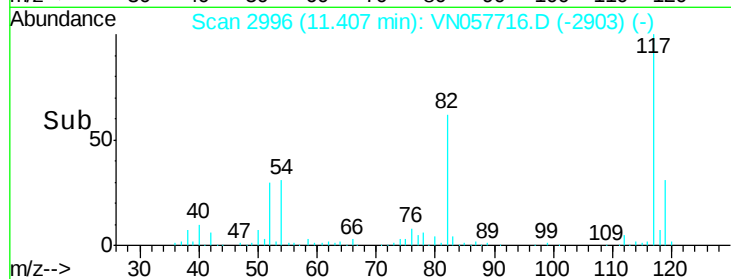
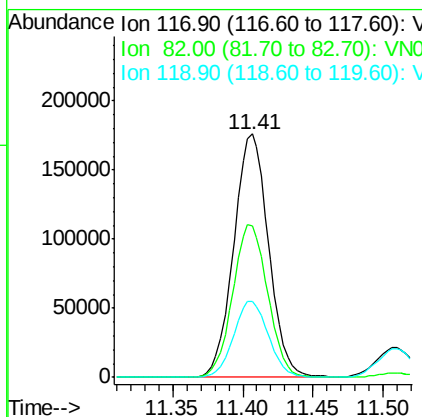
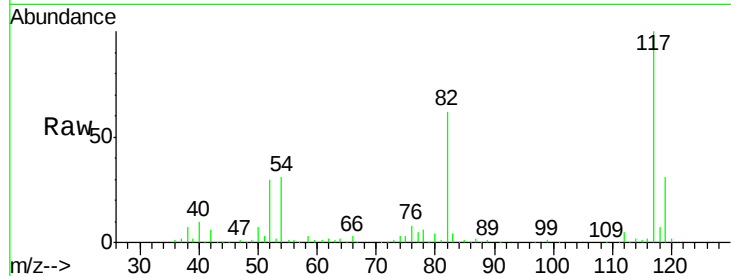
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.0	51.4	77.0
119	31.4	25.4	38.2

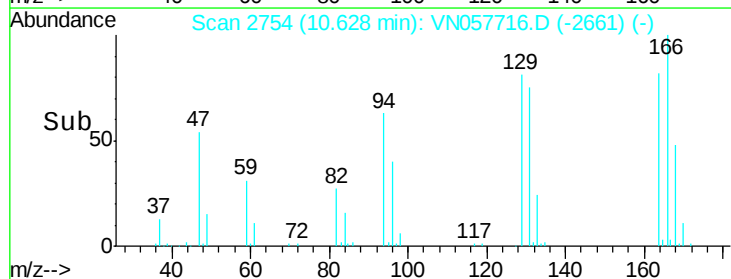
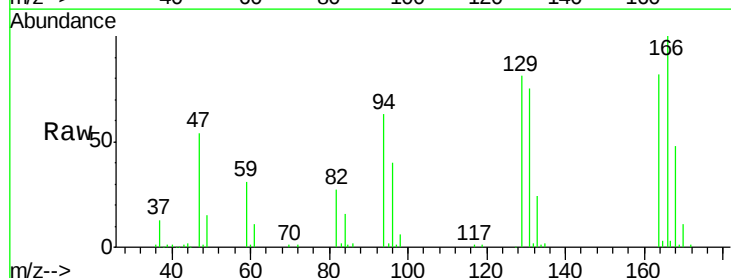
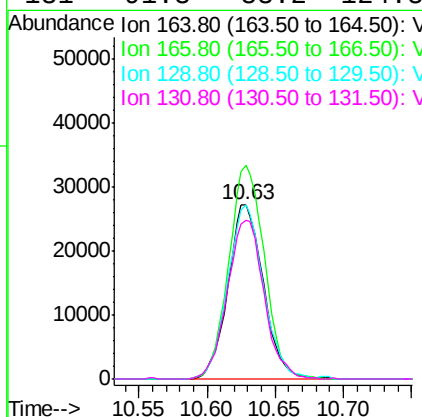
Manual Integrations
APPROVED

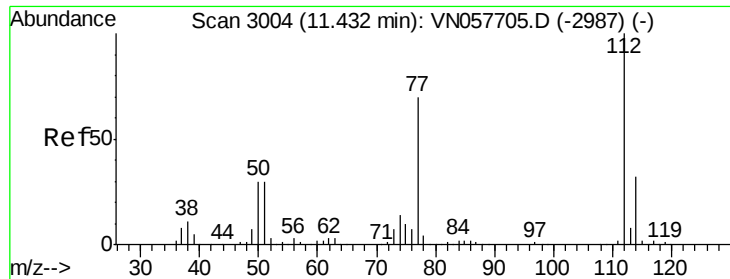
MMDadoda
9/9/2019 1:10:57 PM



#64
Tetrachloroethene
Concen: 20.644 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	103.0	154.6
129	99.8	81.1	121.7
131	91.3	83.2	124.8





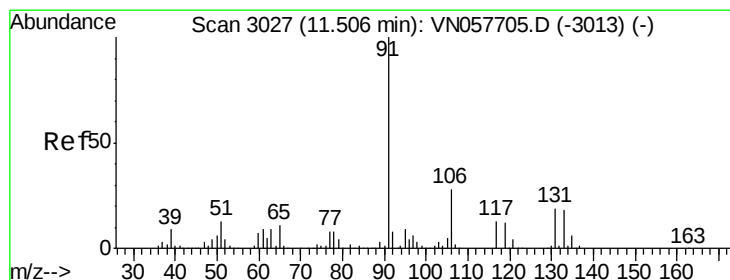
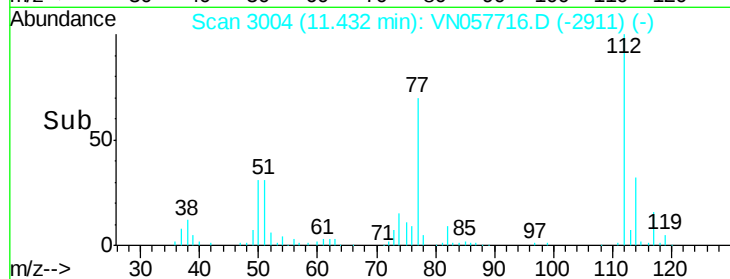
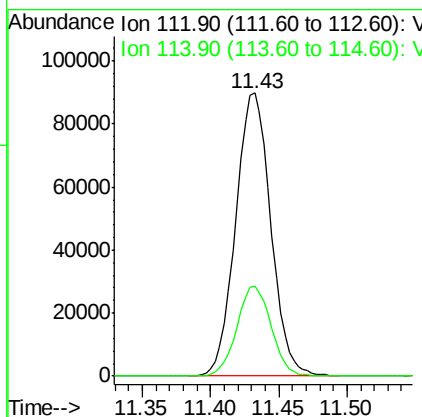
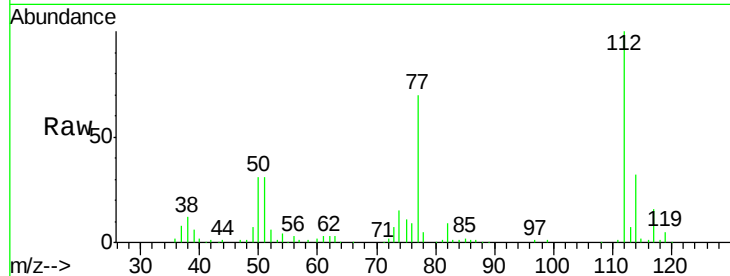
#65
Chlorobenzene
Concen: 20.187 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampled :
VN0906WBS01

Tot Ion:112 Resp: 160764
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8

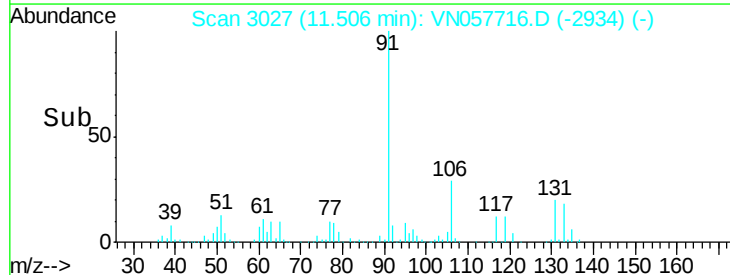
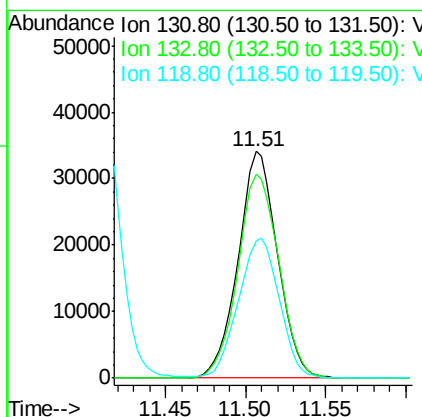
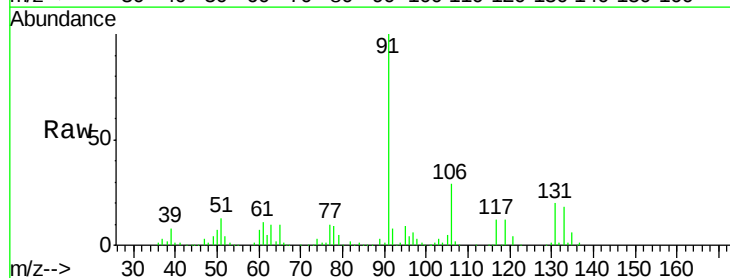
Manual Integrations
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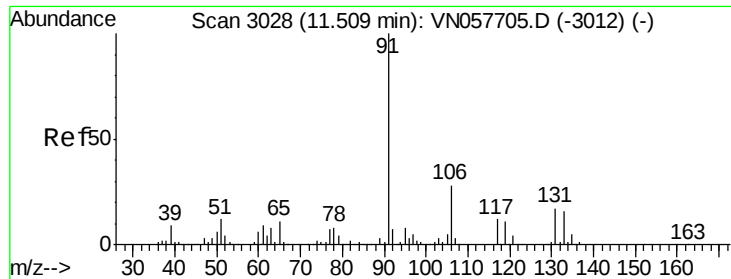
MMDadoda
9/9/2019 1:10:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.606 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion:131 Resp: 57100
Ion Ratio Lower Upper
131 100
133 93.6 47.6 142.9
119 64.3 32.8 98.3





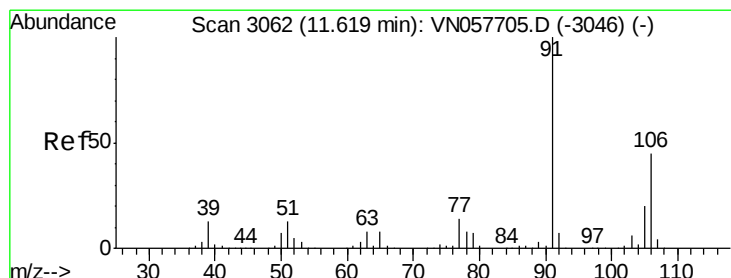
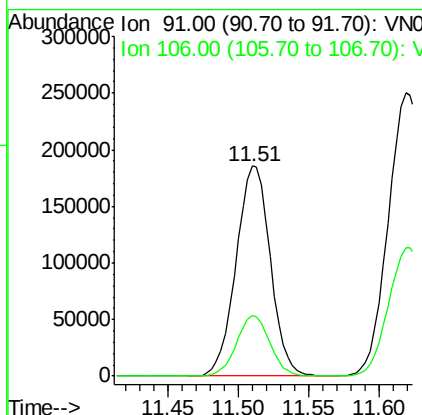
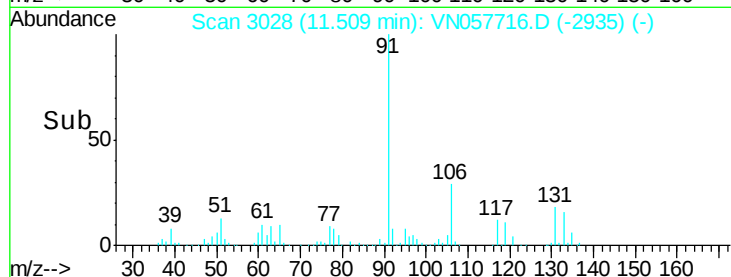
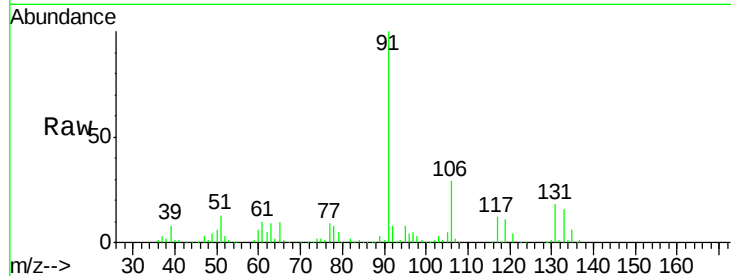
#67
Ethyl Benzene
Concen: 20.621 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampled :
VN0906WBS01

Tot Ion: 91 Resp: 316848
Ion Ratio Lower Upper
91 100
106 29.0 22.8 34.2

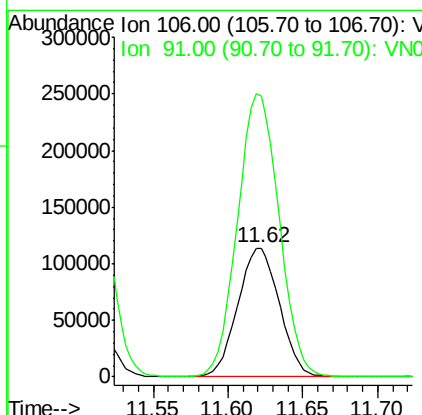
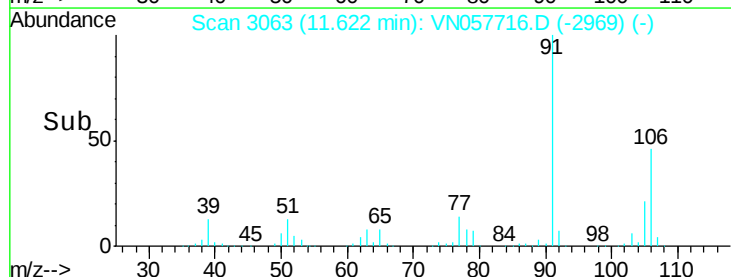
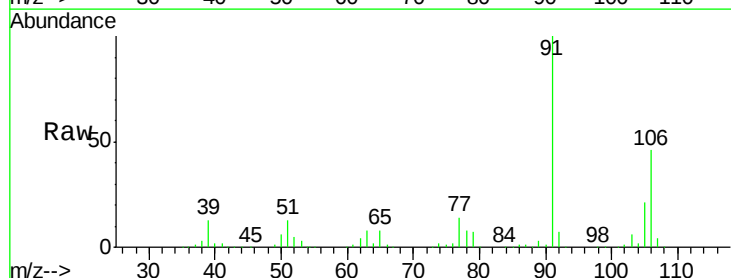
Manual Integrations
APPROVED

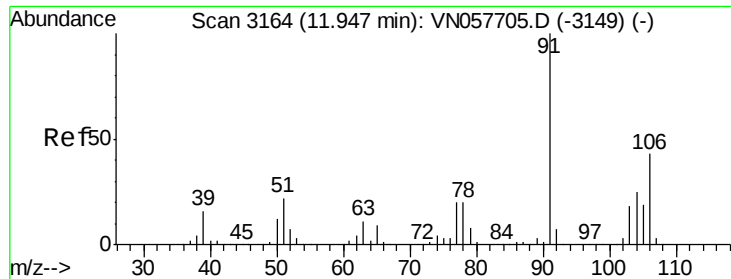
MMDadoda
9/9/2019 1:10:57 PM



#68
m/p-Xylenes
Concen: 41.619 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion: 106 Resp: 220260
Ion Ratio Lower Upper
106 100
91 219.6 179.8 269.8





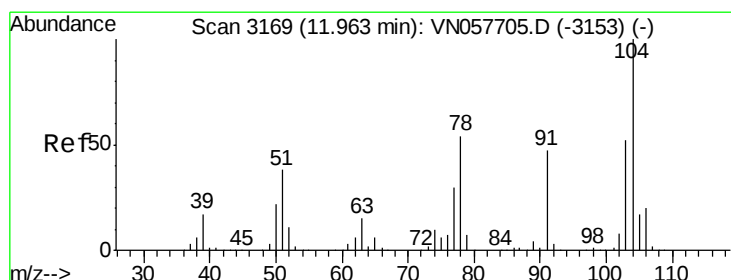
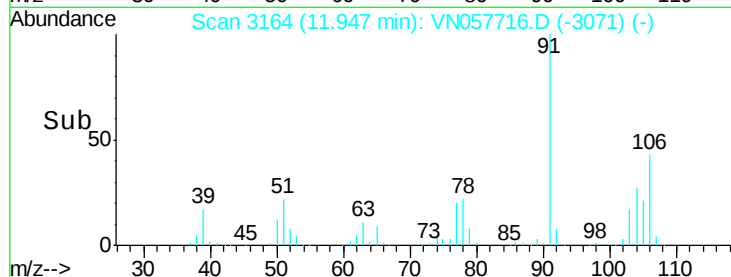
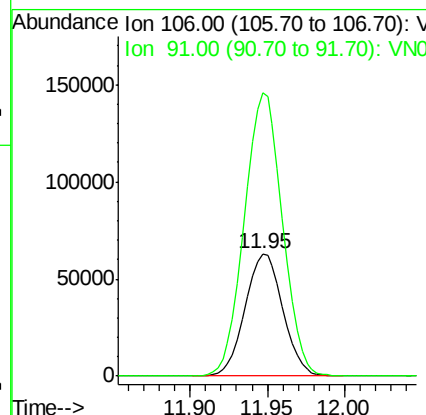
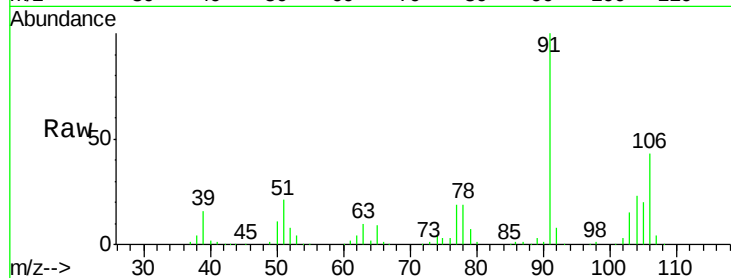
#69
o-Xylene
Concen: 20.493 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion:106 Resp: 107393
Ion Ratio Lower Upper
106 100
91 232.3 116.8 350.4

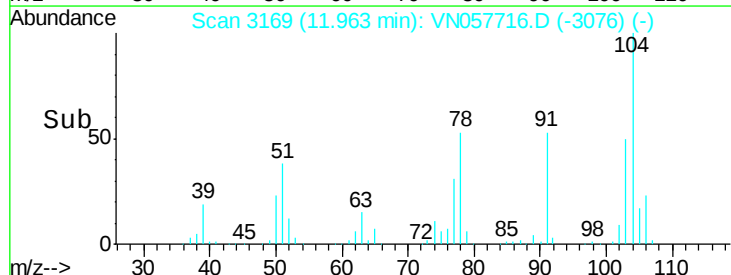
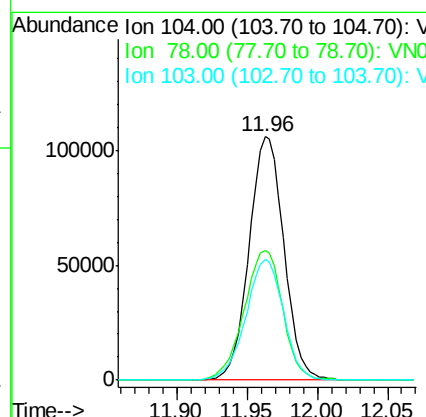
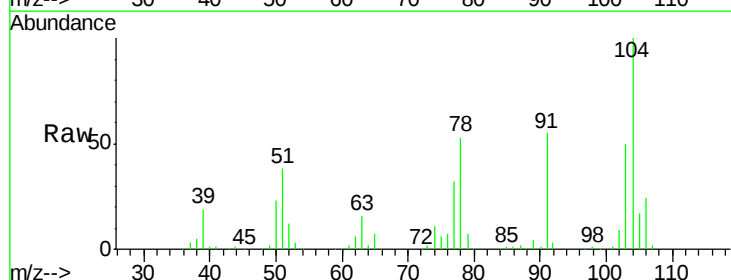
Manual Integrations
APPROVED

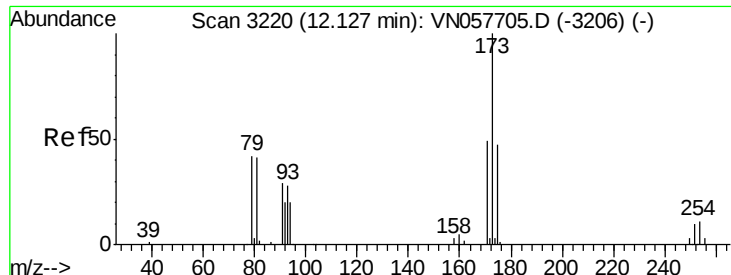
MMDadoda
9/9/2019 1:10:57 PM



#70
Styrene
Concen: 20.251 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion:104 Resp: 183626
Ion Ratio Lower Upper
104 100
78 59.2 48.5 72.7
103 53.7 45.0 67.4





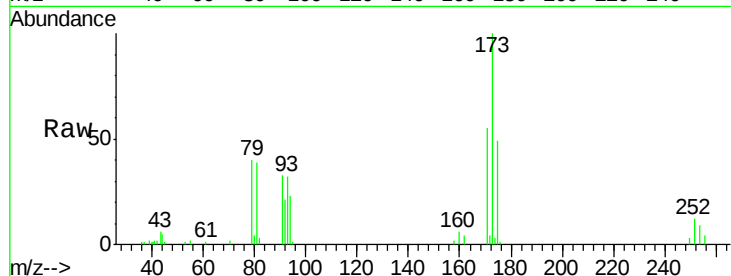
#71
Bromoform
Concen: 18.623 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Instrument :
MSVOA_N
ClientSampled :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.8
254	0.0	0.0	0.0

Manual Integrations
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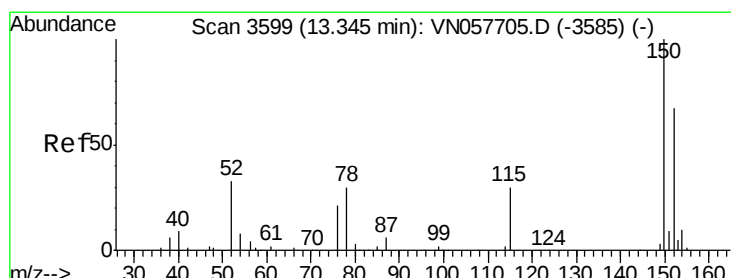
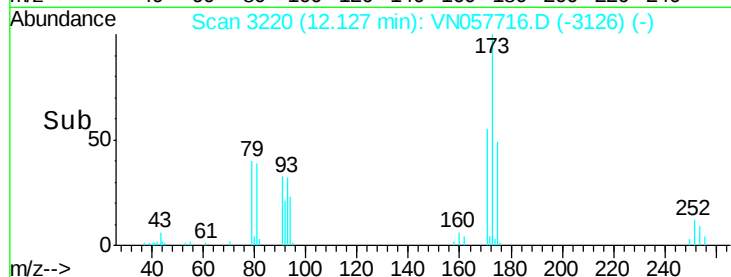
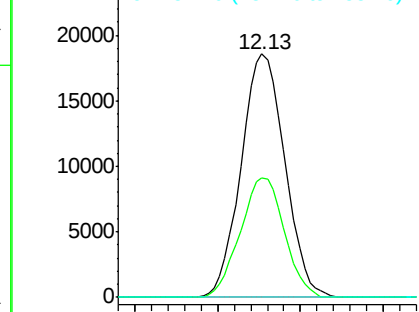


Abundance

Ion 172.70 (172.40 to 173.40): V

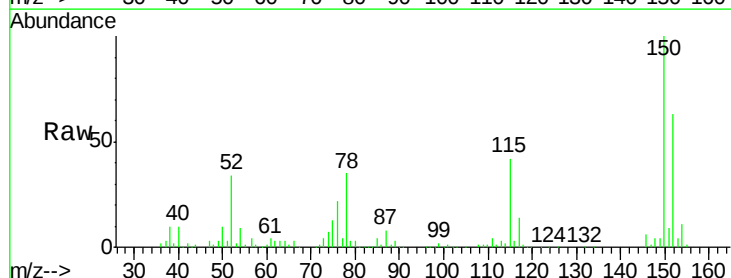
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057716.D
Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.6	33.8	101.3
150	167.0	0.0	345.4

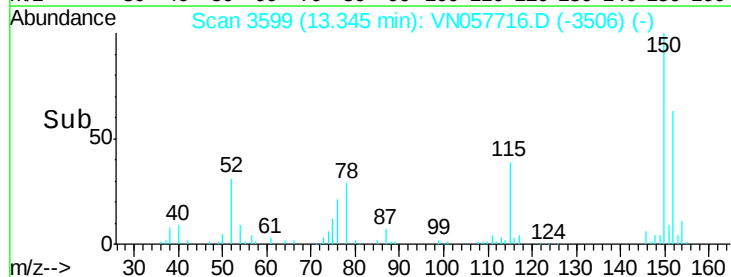
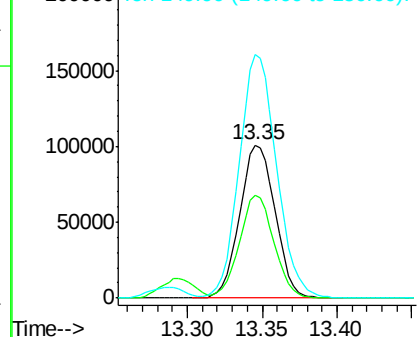


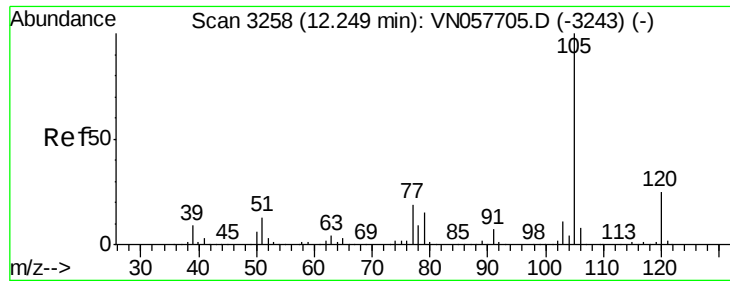
Abundance

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: 20.362 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBS01

Tot Ion: 105 Resp: 299593

Ion Ratio Lower Upper

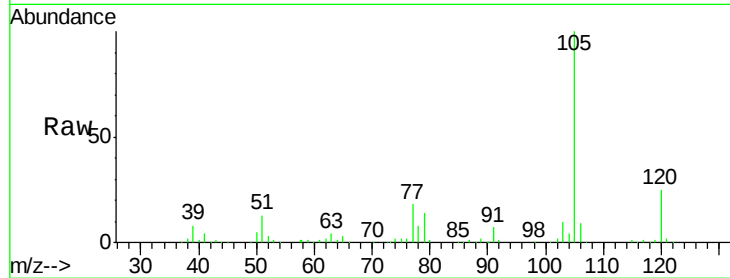
105 100

120 25.2 12.2 36.6

Manual Integrations
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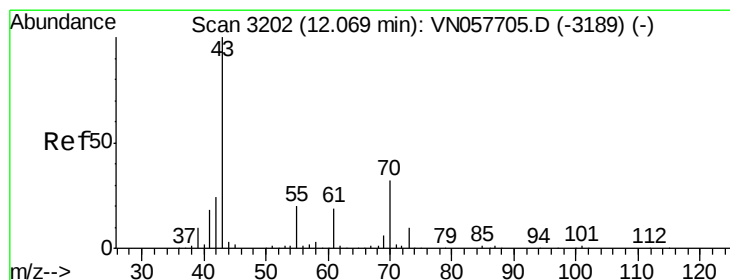
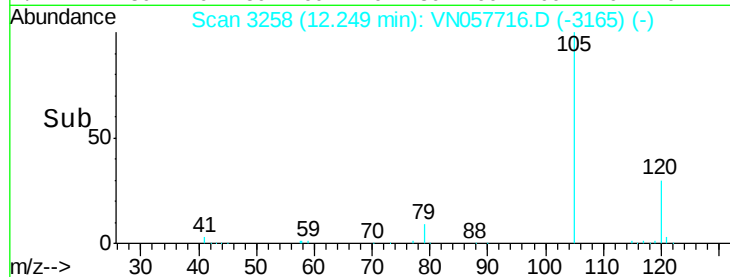
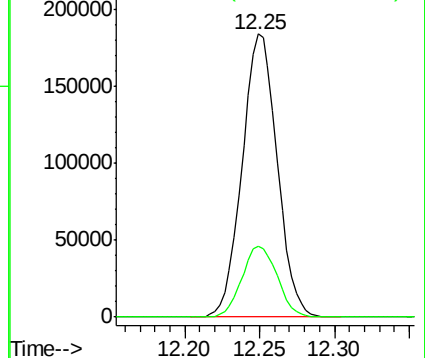
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.258 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Tgt Ion: 43 Resp: 148896

Ion Ratio Lower Upper

43 100

70 30.7 26.1 39.1

55 21.2 16.3 24.5

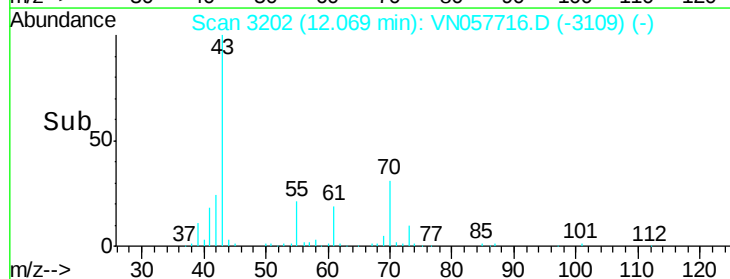
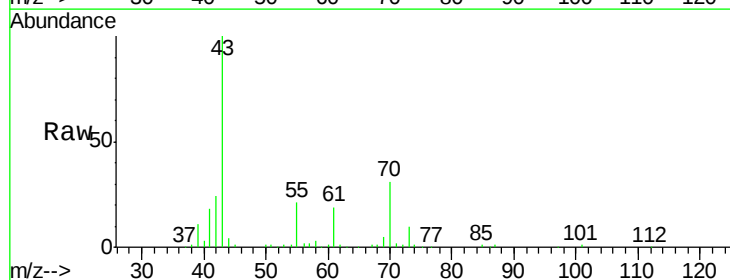
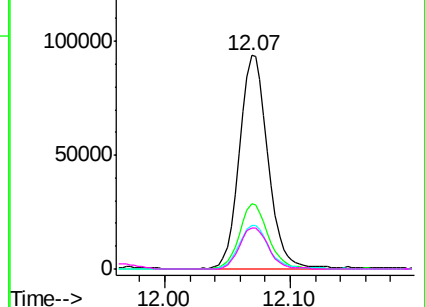
61 19.6 15.0 22.4

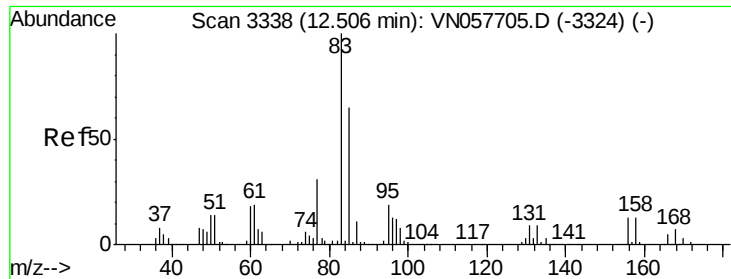
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.585 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

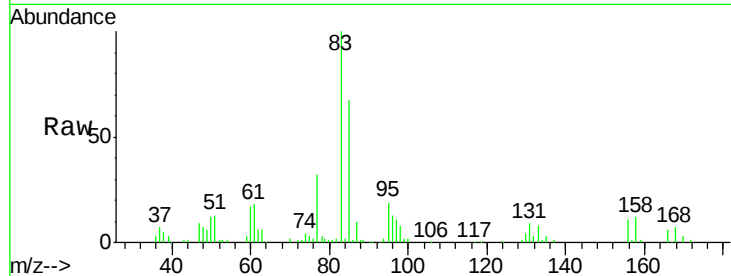
ClientSampleId :

VN0906WBS01

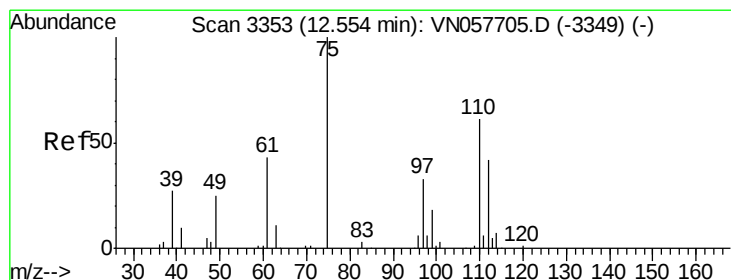
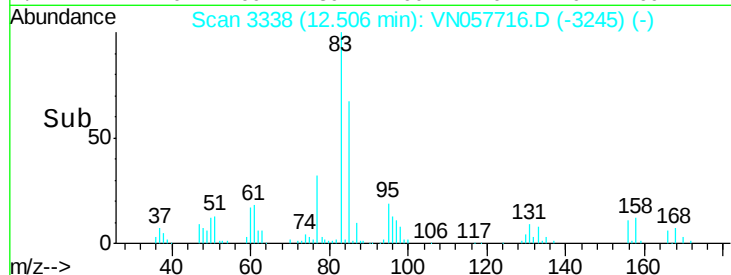
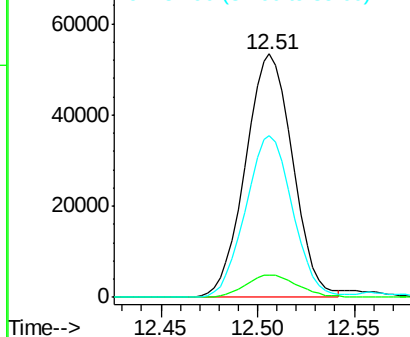
Tot Ion:	83	Resp:	90824
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.5	13.5
85	66.1	31.8	95.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 22.054 ug/l m

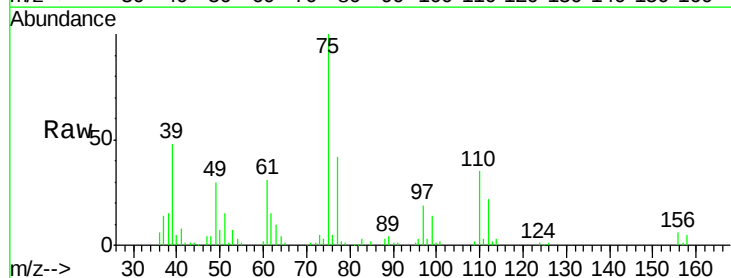
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

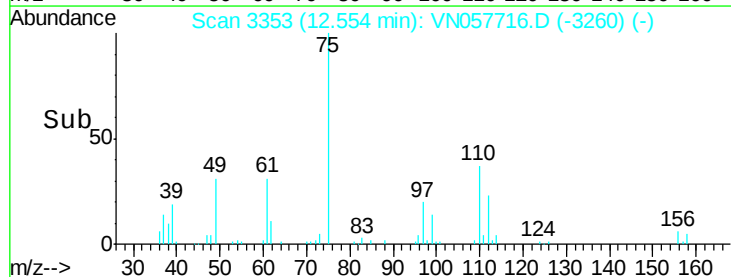
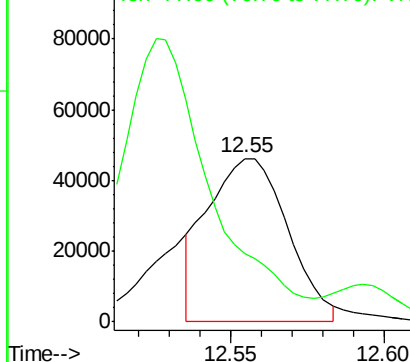
Lab File: VN057716.D

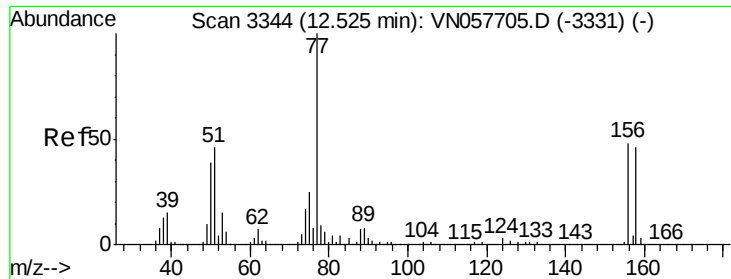
Acq: 6 Sep 2019 16:46

Tgt Ion:	75	Resp:	84284
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 21.451 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBS01

Tot Ion:156 Resp: 68567

Ion Ratio Lower Upper

156 100

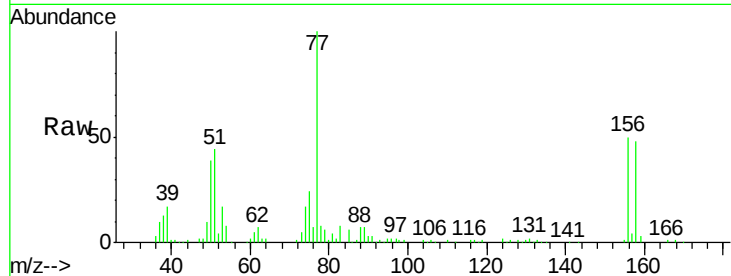
77 241.6 125.4 376.2

158 94.8 49.3 147.9

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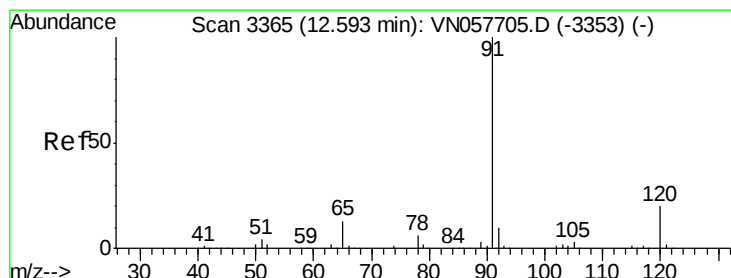
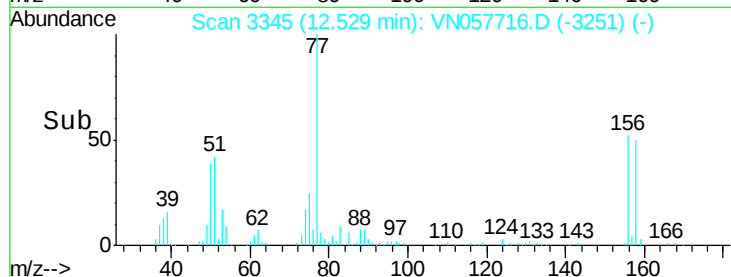
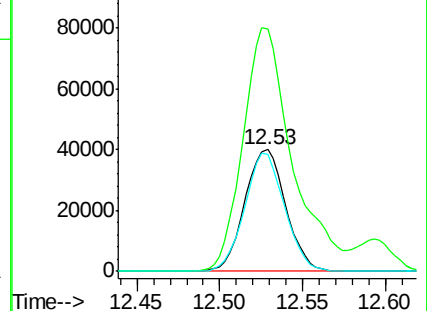
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.377 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057716.D

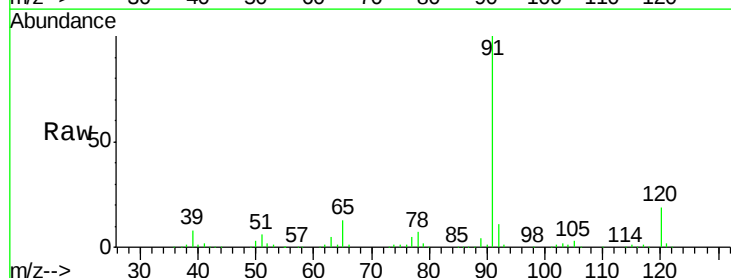
Acq: 6 Sep 2019 16:46

Tgt Ion: 91 Resp: 356200

Ion Ratio Lower Upper

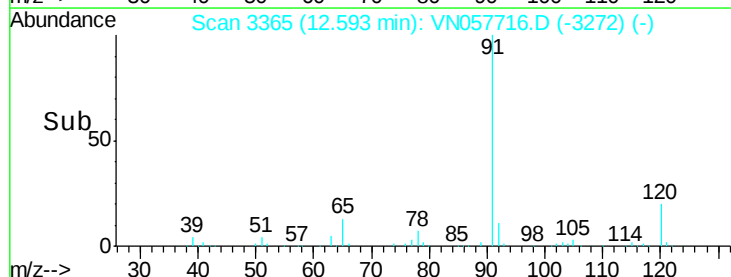
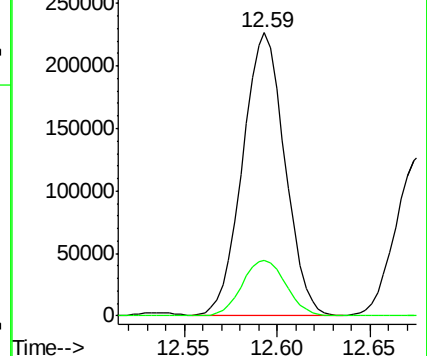
91 100

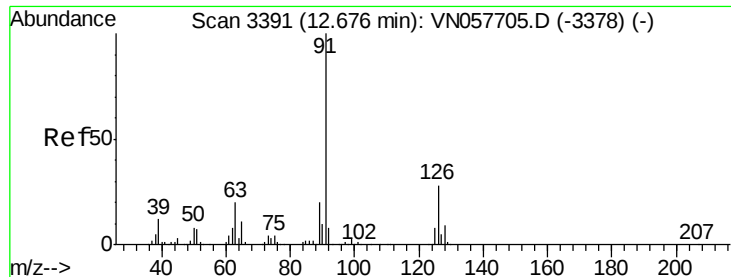
120 20.5 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.237 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

ClientSampled :

VN0906WBS01

Tot Ion: 91 Resp: 215360

Ion Ratio Lower Upper

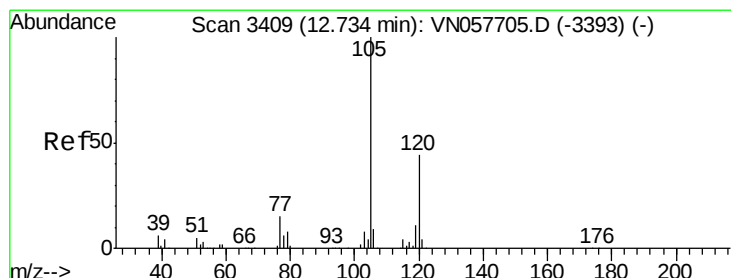
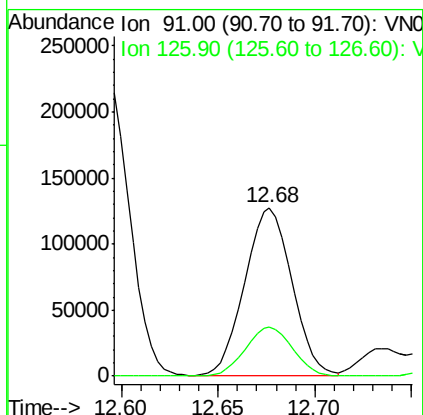
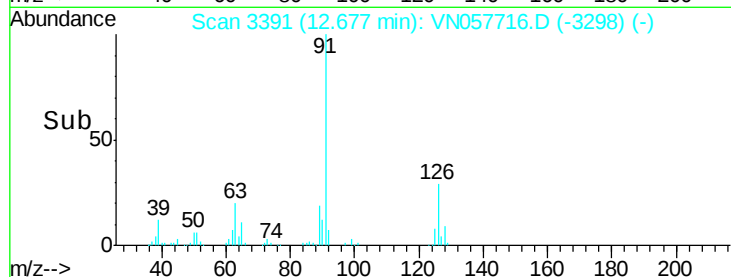
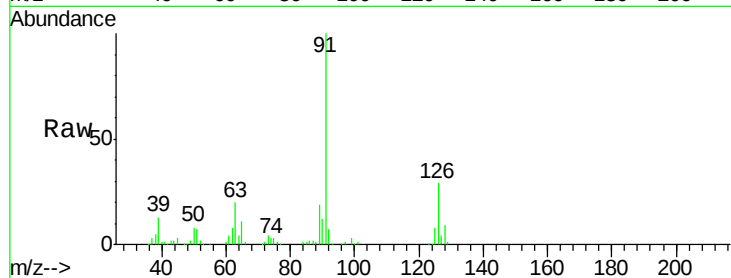
91 100

126 29.3 14.5 43.5

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#80

1,3,5-Trimethylbenzene

Concen: 20.799 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057716.D

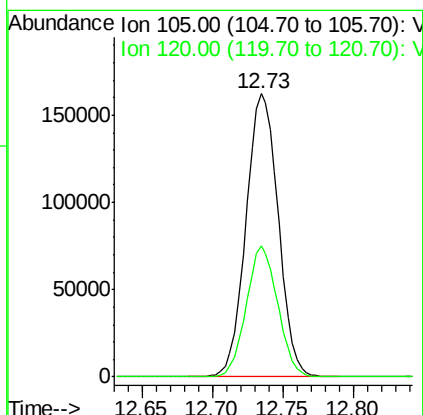
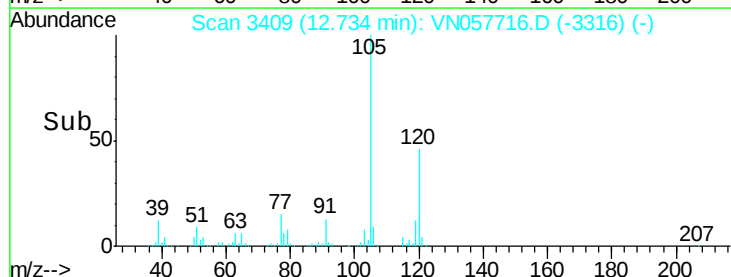
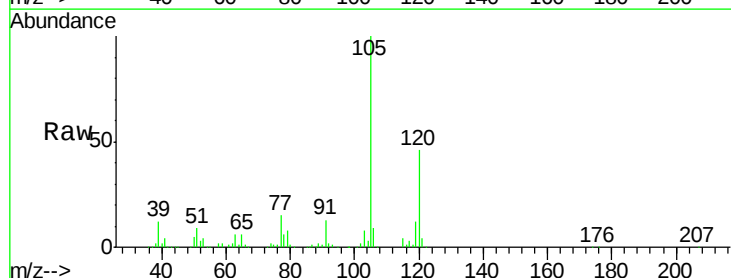
Acq: 6 Sep 2019 16:46

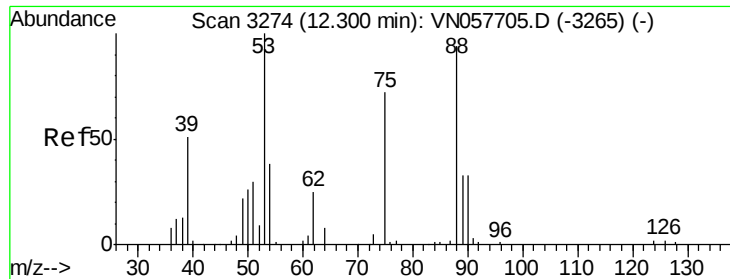
Tgt Ion: 105 Resp: 259961

Ion Ratio Lower Upper

105 100

120 45.0 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.148 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBS01

Tot Ion: 75 Resp: 21073

Ion Ratio Lower Upper

75 100

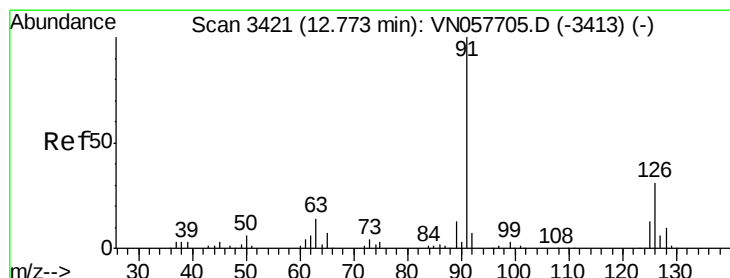
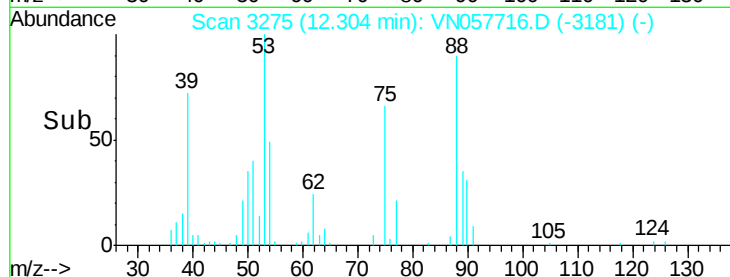
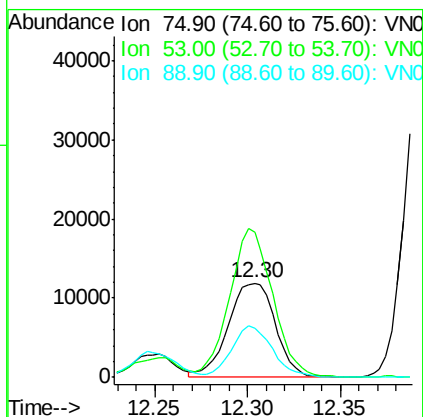
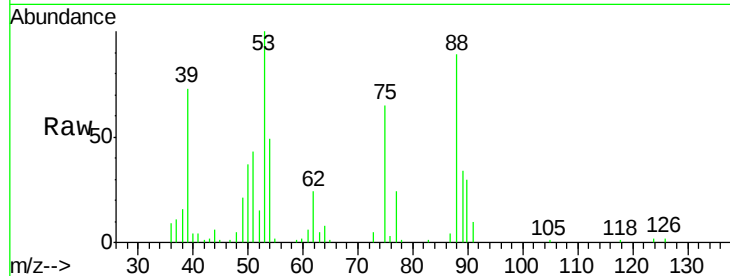
53 144.6 107.0 160.6

89 47.3 36.5 54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.199 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057716.D

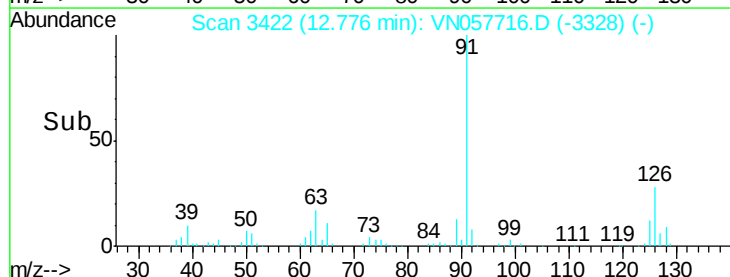
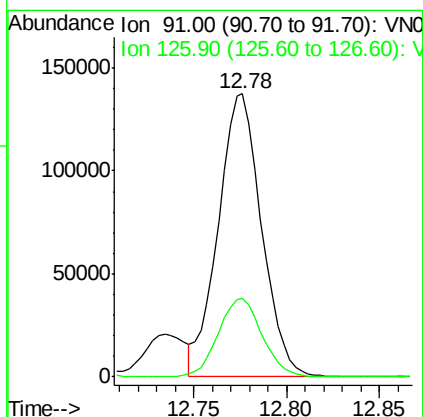
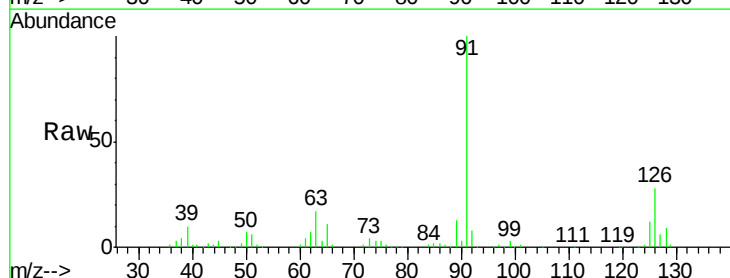
Acq: 6 Sep 2019 16:46

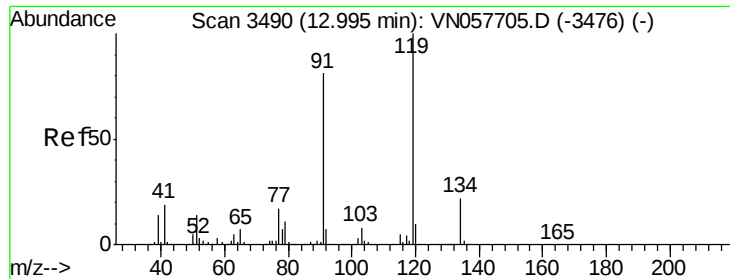
Tgt Ion: 91 Resp: 221388

Ion Ratio Lower Upper

91 100

126 28.3 14.4 43.4





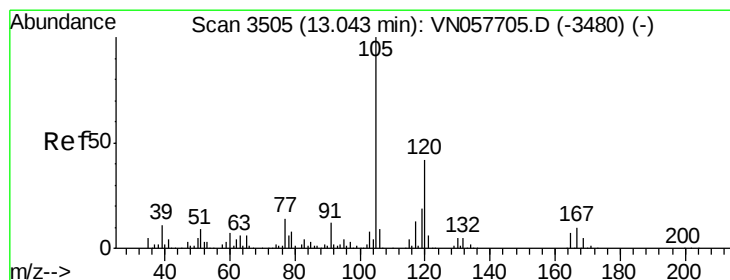
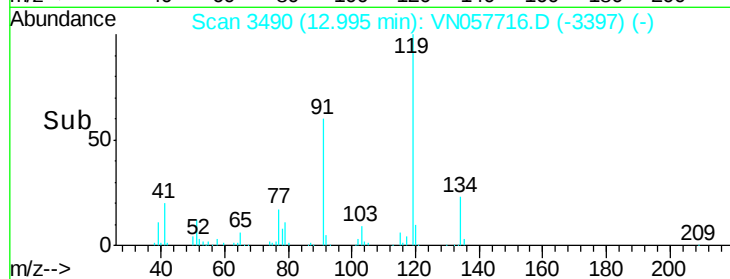
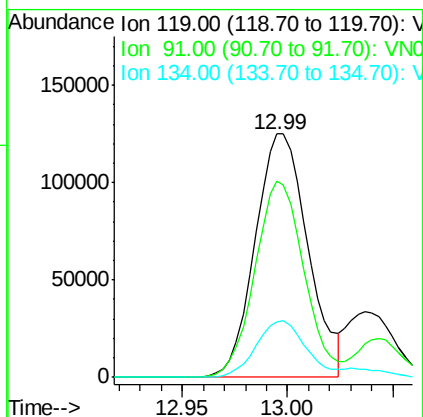
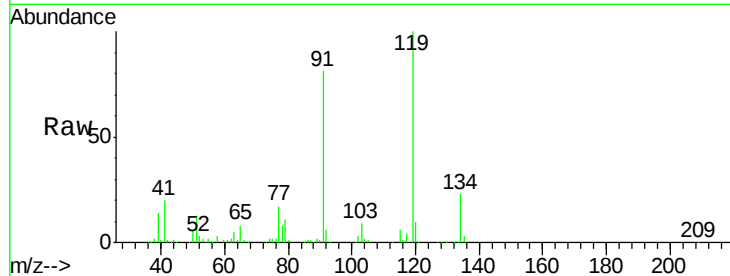
#83
 tert-Butylbenzene
 Concen: 20.654 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.9	39.6	118.8
134	22.0	11.3	33.8

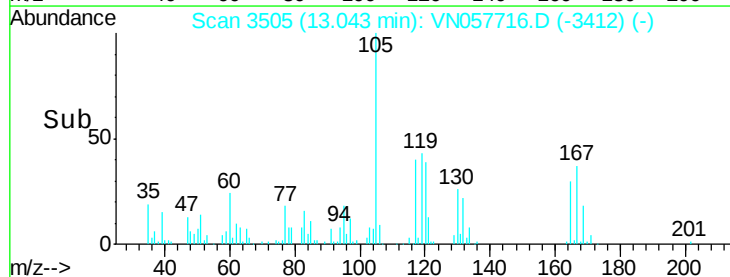
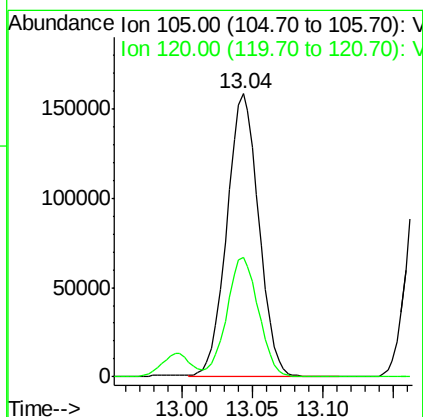
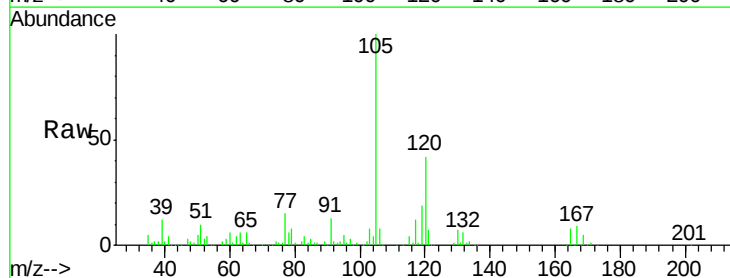
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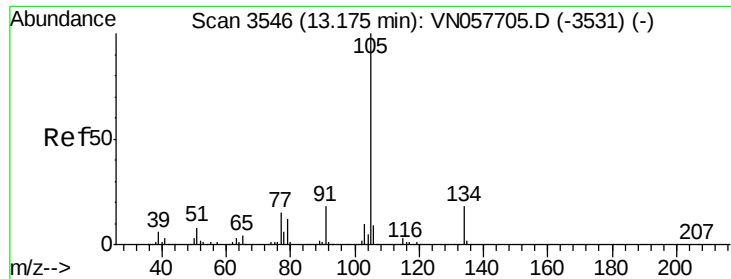
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.275 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.9	20.8	62.5





#85

sec-Butylbenzene

Concen: 20.163 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBS01

Tot Ion:105 Resp: 292695

Ion Ratio Lower Upper

105 100

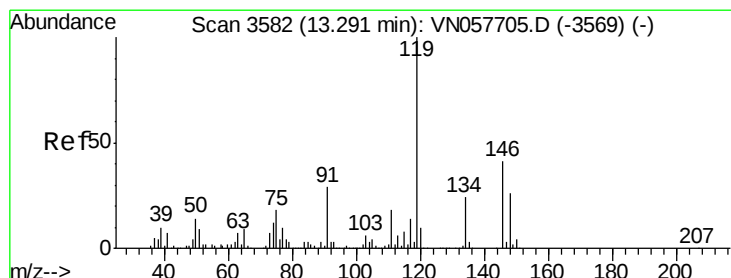
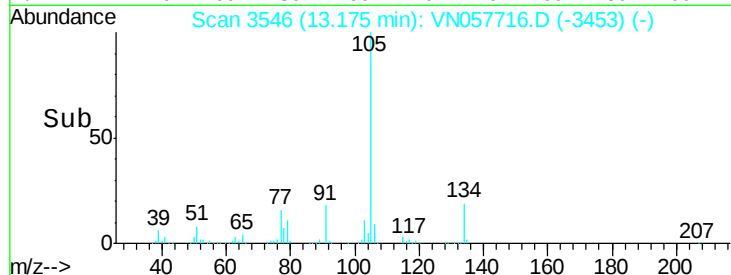
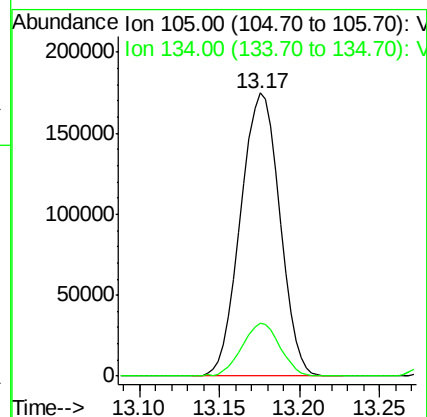
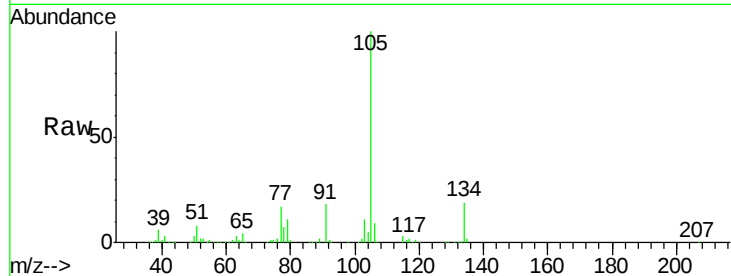
134 18.1 8.8 26.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.862 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

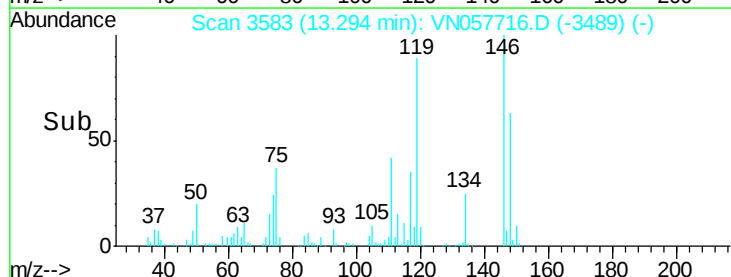
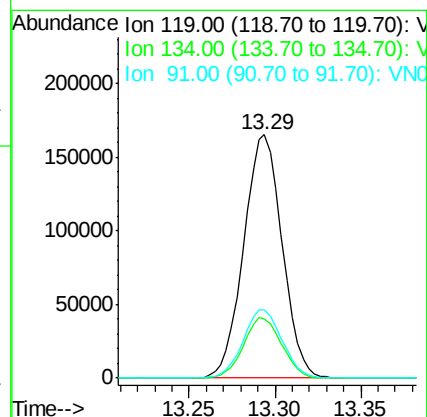
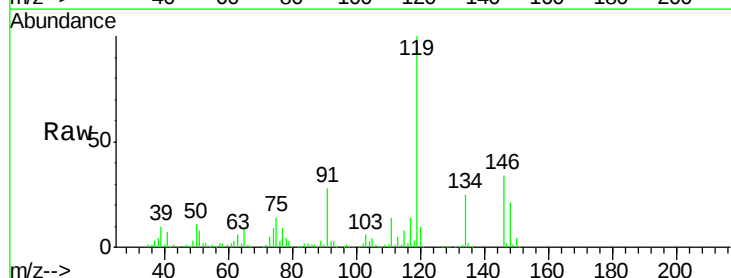
Tgt Ion:119 Resp: 256654

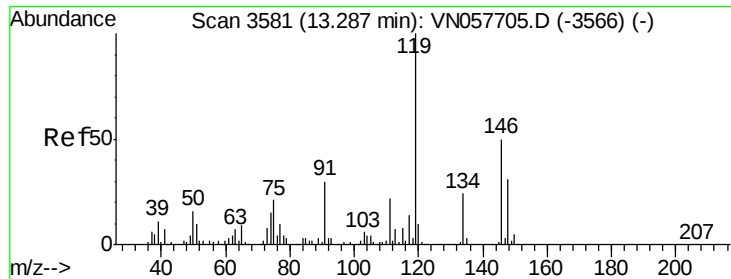
Ion Ratio Lower Upper

119 100

134 24.8 12.4 37.0

91 28.7 14.8 44.3





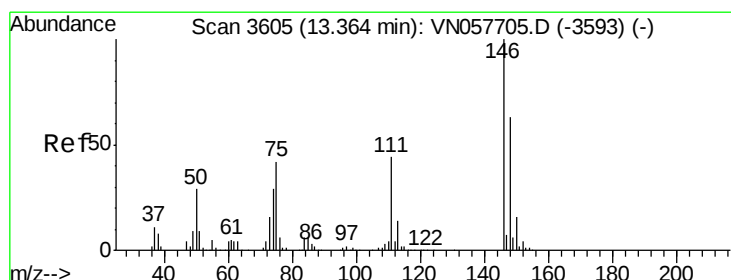
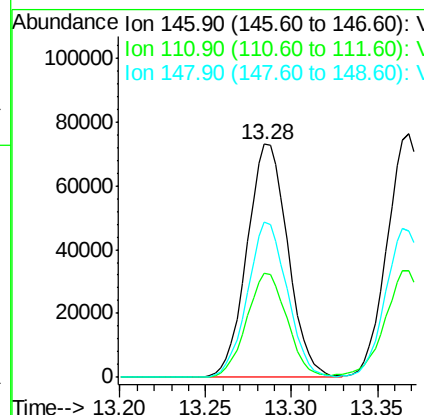
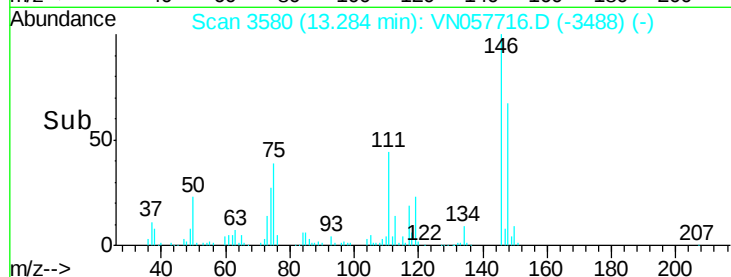
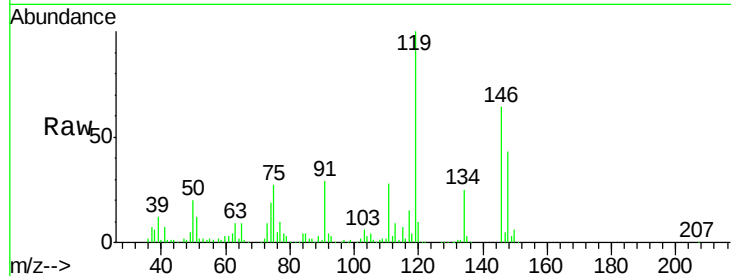
#87
 1,3-Dichlorobenzene
 Concen: 20.121 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.3	66.8
148	64.8	31.5	94.5

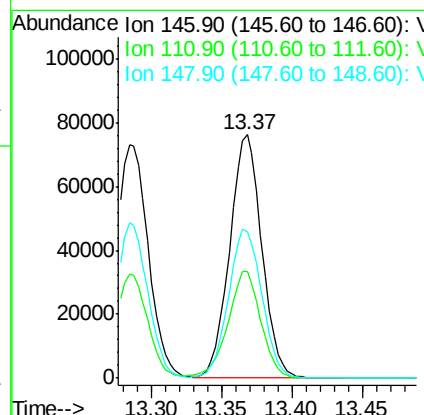
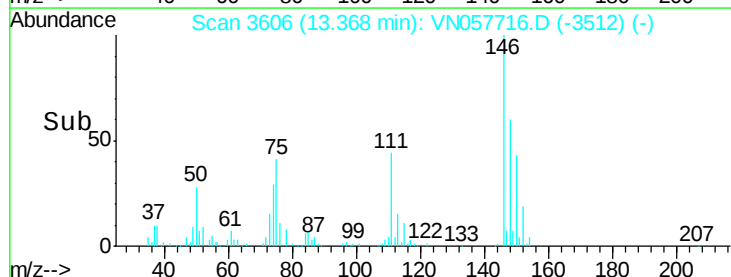
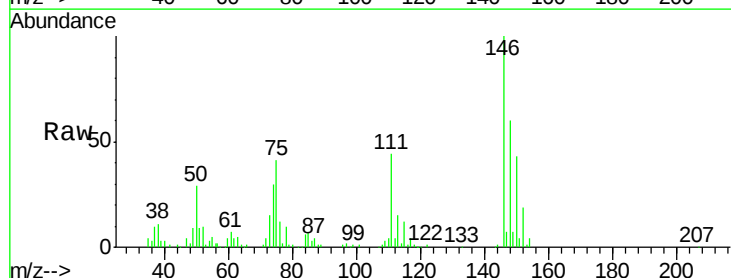
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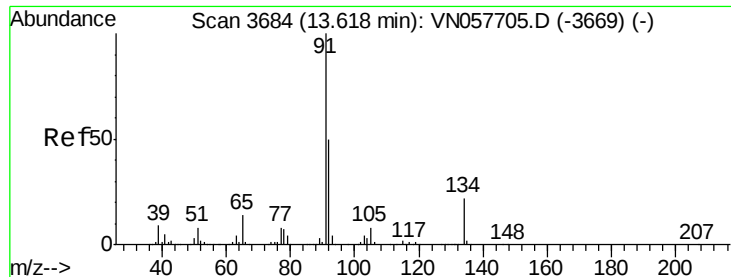
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#88
 1,4-Dichlorobenzene
 Concen: 20.300 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.3	66.9
148	63.9	31.9	95.7





#89

n-Butylbenzene

Concen: 19.722 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

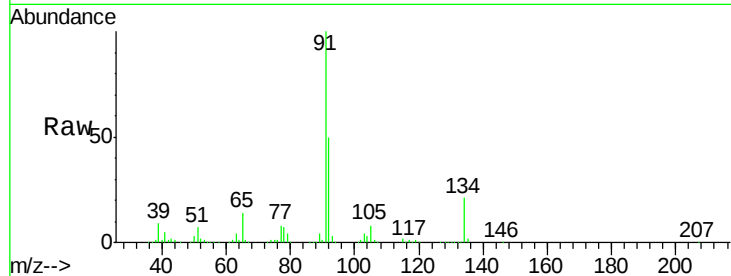
ClientSampleId :

VN0906WBS01

Tot Ion:	91	Resp:	239958
Ion Ratio	Lower	Upper	
91	100		
92	50.9	25.6	76.8
134	22.5	11.2	33.5

Manual Integrations
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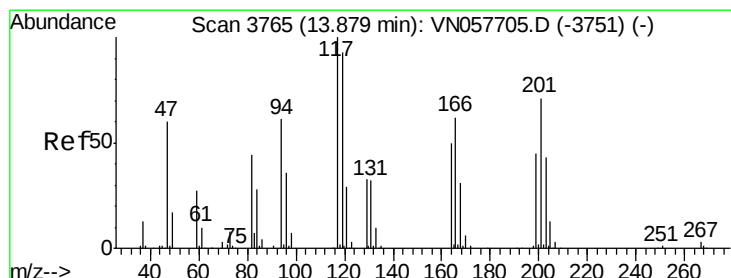
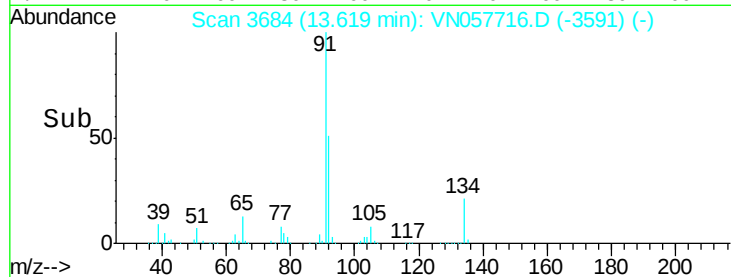
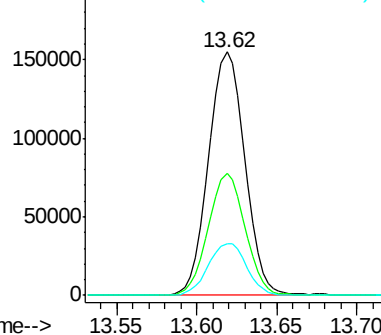


Abundance

Ion 91.00 (90.70 to 91.70): VN057716.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN057716.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN057716.D (-3591) (-)



#90

Hexachloroethane

Concen: 19.074 ug/l

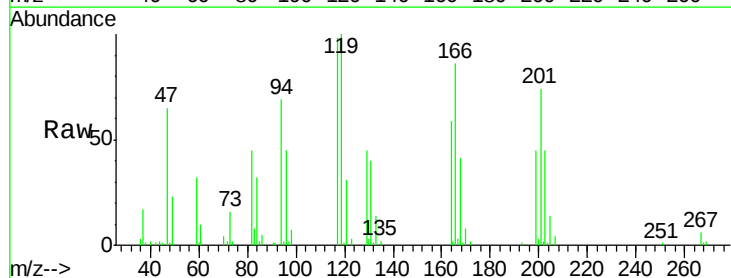
RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

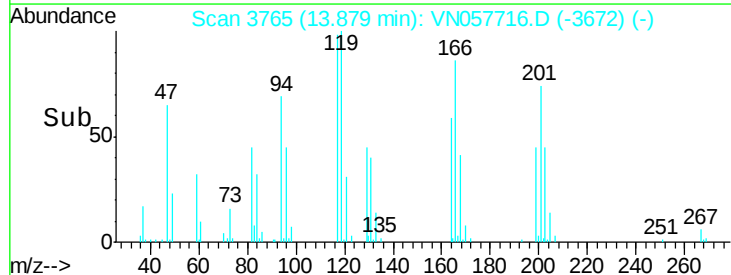
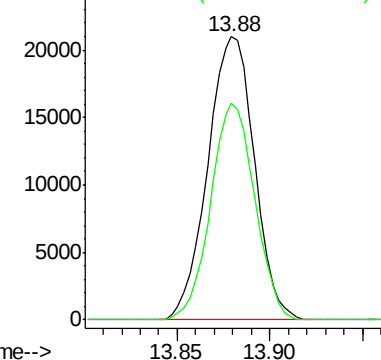
Tgt Ion:	117	Resp:	36769
Ion Ratio	Lower	Upper	
117	100		
201	72.2	36.4	109.2

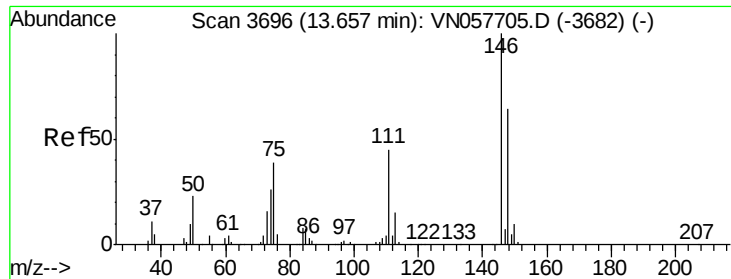


Abundance

Ion 116.80 (116.50 to 117.50): VN057716.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN057716.D (-3672) (-)





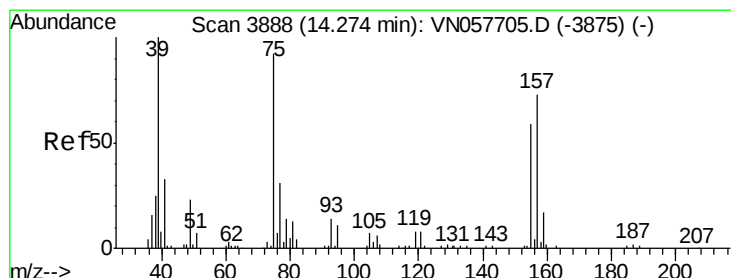
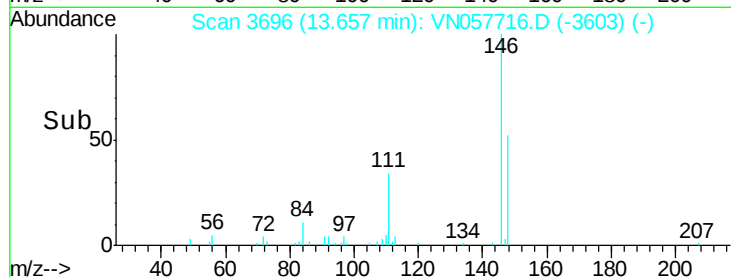
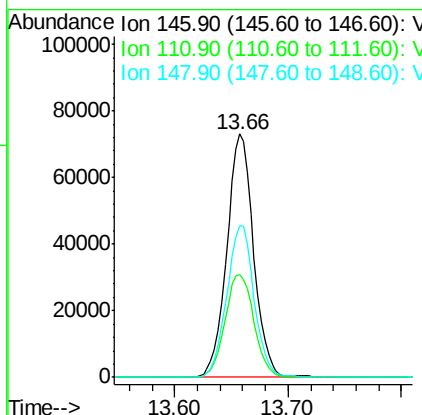
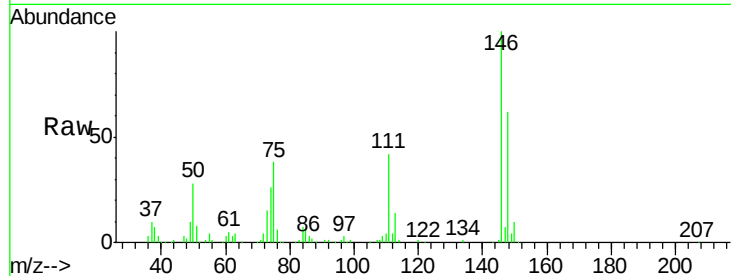
#91
 1,2-Dichlorobenzene
 Concen: 20.394 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.8	68.3
148	63.9	31.6	95.0

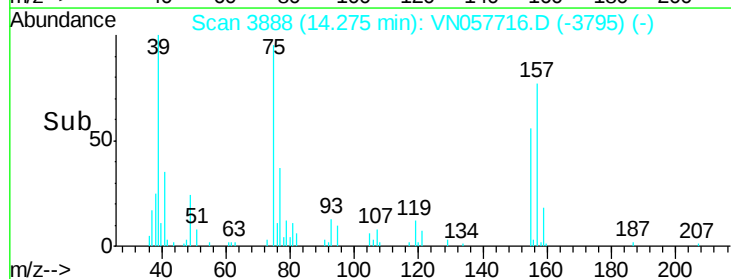
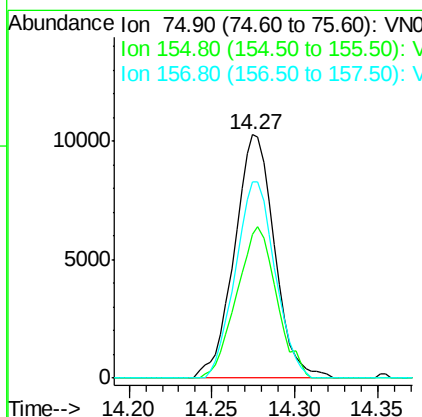
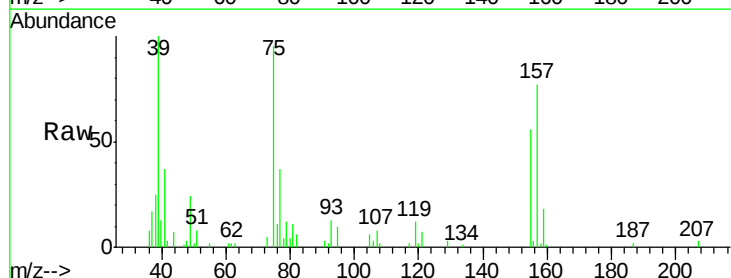
Manual Integrations
 APPROVED

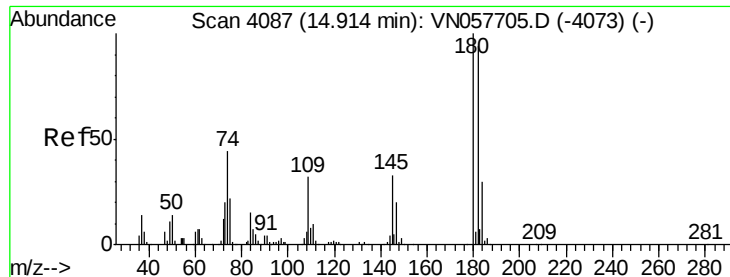
MMDadoda
 9/9/2019 1:10:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.863 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.7	30.1	90.5
157	79.6	38.1	114.5





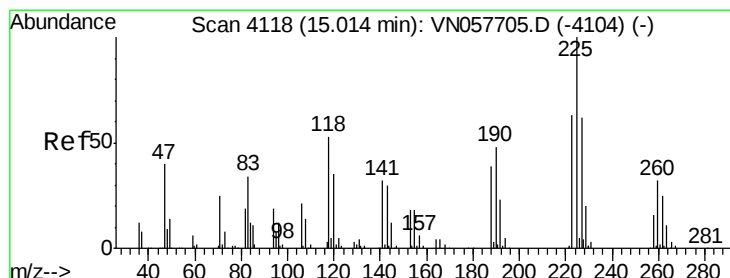
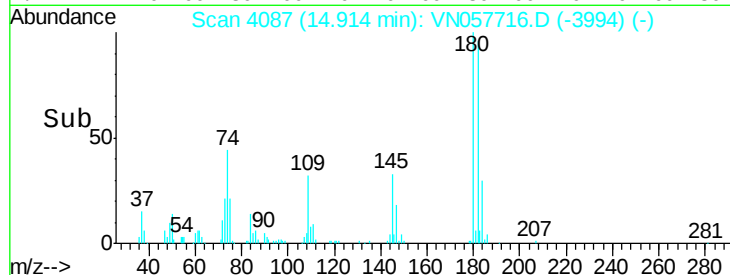
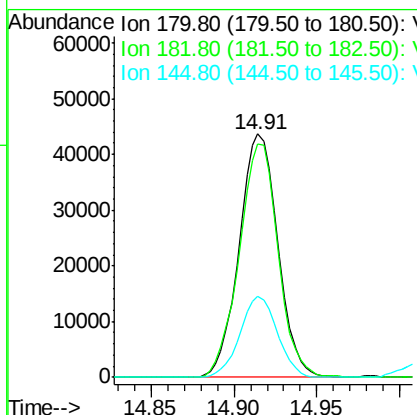
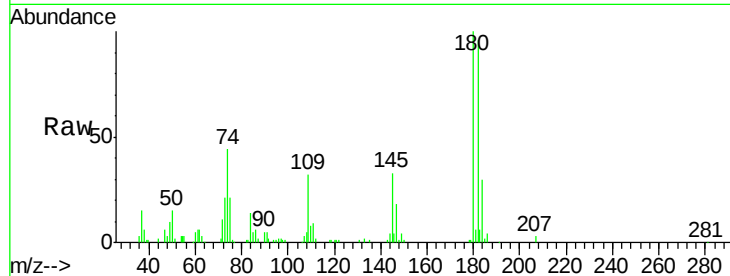
#93
 1,2,4-Trichlorobenzene
 Concen: 20.136 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.6	142.9
145	32.0	16.6	49.7

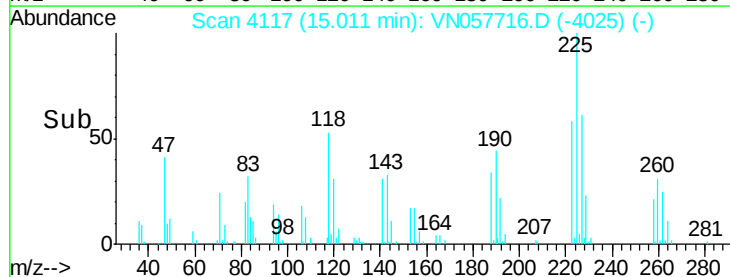
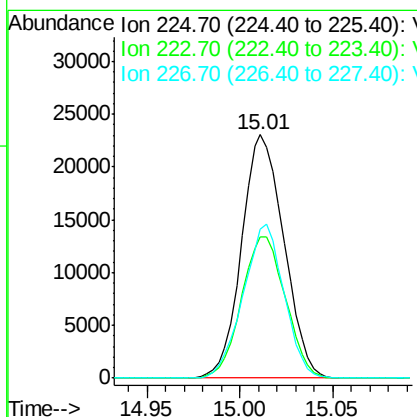
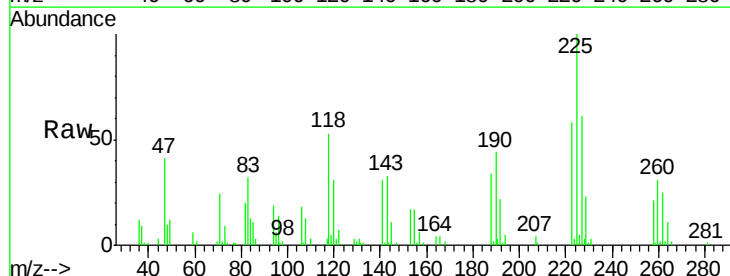
Manual Integrations
 APPROVED

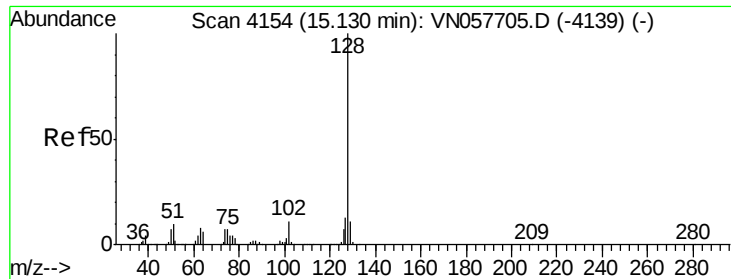
MMDadoda
 9/9/2019 1:10:57 PM



#94
 Hexachlorobutadiene
 Concen: 21.291 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057716.D
 Acq: 6 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.6	95.0
227	61.0	31.7	95.1





#95

Naphthalene

Concen: 20.414 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Instrument :

MSVOA_N

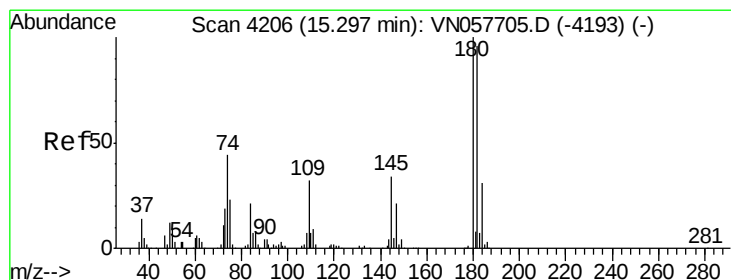
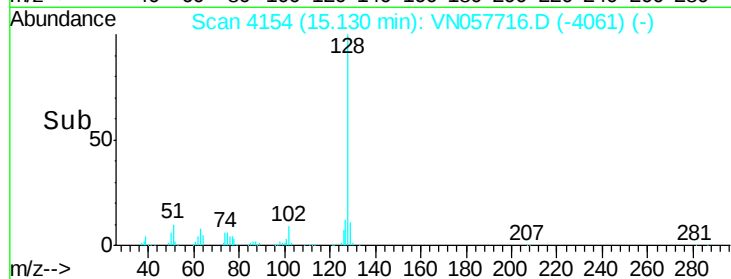
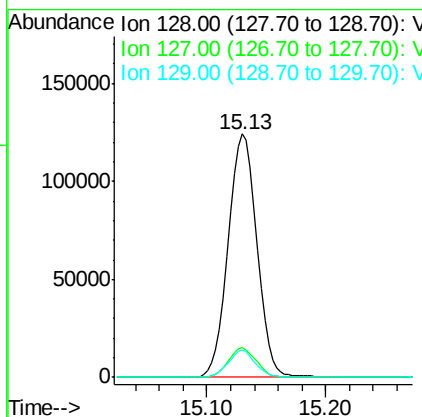
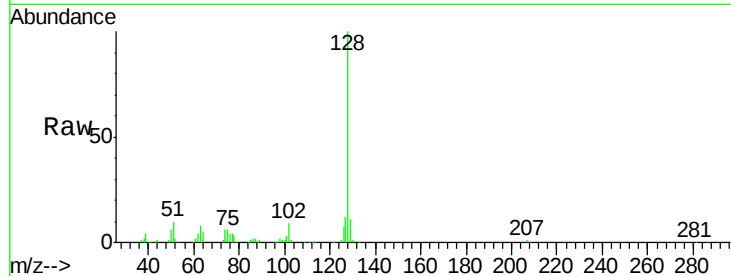
ClientSampleId :

VN0906WBS01

Tot Ion:	128	Resp:	208453
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.6	15.8
129	10.5	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/9/2019 1:10:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.098 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057716.D

Acq: 6 Sep 2019 16:46

Tgt Ion:	180	Resp:	67806
Ion Ratio	Lower	Upper	
180	100		
182	91.9	47.0	141.2
145	33.4	17.5	52.6

