

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059118.D
 Acq On : 7 Nov 2019 13:42
 Operator : JC/SP
 Sample : VN1107WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1107WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 9:39:11 AM

Quant Time: Nov 08 02:33:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	74077	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	416087	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	374573	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.00	65	177254	28.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.97%
60) 4-Bromofluorobenzene	12.40	95	187416	28.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.33%
63) Toluene-d8	10.08	98	534474	30.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	80057	19.946	ug/l 98
3) Chloromethane	2.04	50	113934	21.251	ug/l 99
4) Vinyl Chloride	2.17	62	115395	20.825	ug/l 98
5) Bromomethane	2.54	94	67471	19.722	ug/l 98
6) Chloroethane	2.68	64	69193	19.866	ug/l 99
7) Trichlorofluoromethane	3.00	101	145168	21.285	ug/l 97
8) Diethyl Ether	3.39	74	59618	22.919	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	88565	22.443	ug/l 97
10) 1,1-Dichloroethene	3.72	96	85061	21.946	ug/l 91
11) Methyl Iodide	3.93	142	105311	19.510	ug/l 96
12) Methyl Acetate	4.30	43	142855	23.037	ug/l 99
13) Acrolein	3.58	56	69592	101.569	ug/l 99
14) Acrylonitrile	4.95	53	286445	117.232	ug/l 97
15) Acetone	3.79	58	90793	125.182	ug/l 81
16) Carbon Disulfide	4.03	76	238411	21.089	ug/l 100
17) Allyl chloride	4.30	41	169552	21.979	ug/l 90
18) Methylene Chloride	4.52	84	101026	21.525	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	92060	21.818	ug/l 91
20) Diisopropyl ether	5.92	45	346946	22.074	ug/l 97
21) 1,1-Dichloroethane	5.82	63	189878	21.816	ug/l 99
22) cis-1,2-Dichloroethene	6.80	96	109007	21.668	ug/l 96
23) tert-Butyl Alcohol	4.75	59	114722	114.790	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	306651	21.208	ug/l 96
25) Chloroform	7.35	83	183495	21.139	ug/l 98
26) Cyclohexane	7.63	56	160628	21.027	ug/l # 96
29) 1,1-Dichloropropene	7.77	75	132929	20.295	ug/l 98
30) 2-Butanone	6.81	43	399799	108.016	ug/l # 96
31) 2,2-Dichloropropane	6.79	77	154068	19.957	ug/l 100
32) 1,1,1-Trichloroethane	7.55	97	154683	20.419	ug/l 98
33) Carbon Tetrachloride	7.75	117	132056	20.139	ug/l 98
34) Benzene	8.02	78	410528	21.290	ug/l 98
35) Methacrylonitrile	7.15	41	56544	17.293	ug/l 87
36) 1,2-Dichloroethane	8.10	62	144124	19.549	ug/l 98
37) Trichloroethene	8.82	130	99934	21.096	ug/l 99
38) Methylcyclohexane	9.07	83	153044	20.153	ug/l 98
39) 1,2-Dichloropropane	9.10	63	114751	21.776	ug/l 96
40) Dibromomethane	9.19	93	68727	20.660	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059118.D
 Acq On : 7 Nov 2019 13:42
 Operator : JC/SP
 Sample : VN1107WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 9:39:11 AM

Quant Time: Nov 08 02:33:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	141581	20.833	ug/l	99
42) Vinyl Acetate	5.87	43	1405439	108.421	ug/l	99
43) Ethyl Acetate	6.90	43	153315	21.104	ug/l	97
44) Isopropyl Acetate	8.15	43	242790	20.632	ug/l	91
45) 1,4-Dioxane	9.18	88	40707	450.504	ug/l	97
46) Methyl methacrylate	9.18	41	105494	19.528	ug/l	94
47) n-amyl Acetate	12.07	43	185678	17.800	ug/l	95
48) t-1,3-Dichloropropene	10.37	75	157616	19.997	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	173261	20.934	ug/l	95
50) 1,1,2-Trichloroethane	10.55	97	100316	21.123	ug/l	99
51) Ethyl methacrylate	10.42	69	149706	19.714	ug/l	95
52) 1,3-Dichloropropane	10.70	76	174506	20.633	ug/l	100
53) Dibromochloromethane	10.90	129	106495	20.895	ug/l	98
54) 1,2-Dibromoethane	11.00	107	103019	20.929	ug/l	98
55) 2-Chloroethyl vinyl ether	9.68	63	340113	90.040	ug/l	99
56) Bromoform	12.13	173	74365	20.946	ug/l	99
58) 4-Methyl-2-Pentanone	9.97	43	777171	113.735	ug/l	99
59) 2-Hexanone	10.74	43	567414	105.920	ug/l	97
61) Tetrachloroethene	10.63	164	90600	22.383	ug/l	96
62) Toluene	10.15	91	431356	21.409	ug/l	99
64) Chlorobenzene	11.43	112	256303	20.806	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	99169	21.470	ug/l	97
66) Ethyl Benzene	11.51	91	459043	20.575	ug/l	100
67) m/p-Xylenes	11.62	106	339130	40.686	ug/l	99
68) o-Xylene	11.95	106	165768	20.515	ug/l	98
69) Styrene	11.96	104	261154	19.563	ug/l	98
70) Isopropylbenzene	12.25	105	443709	20.339	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	154120	20.985	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	137844m	20.713	ug/l	
73) Bromobenzene	12.53	156	105731	19.953	ug/l	98
74) n-propylbenzene	12.59	91	508337	19.907	ug/l	99
75) 2-Chlorotoluene	12.67	91	312443	20.336	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	373967	20.014	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	51576	20.344	ug/l	93
78) 4-Chlorotoluene	12.77	91	302685	19.115	ug/l	98
79) tert-butylbenzene	12.99	119	320200	20.058	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	367969	19.818	ug/l	99
81) sec-Butylbenzene	13.17	105	420217	19.560	ug/l	99
82) p-Isopropyltoluene	13.29	119	372061	19.286	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	183543	19.142	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	173394	18.104	ug/l	97
85) n-Butylbenzene	13.62	91	307706	17.421	ug/l	100
86) Hexachloroethane	13.88	117	72202	20.565	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	183898	19.427	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30178	18.461	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	92516	15.478	ug/l	98
90) Hexachlorobutadiene	15.01	225	59973	19.431	ug/l	98
91) Naphthalene	15.13	128	250756	14.209	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	95546	16.422	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
Data File : VN059118.D
Acq On : 7 Nov 2019 13:42
Operator : JC/SP
Sample : VN1107WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

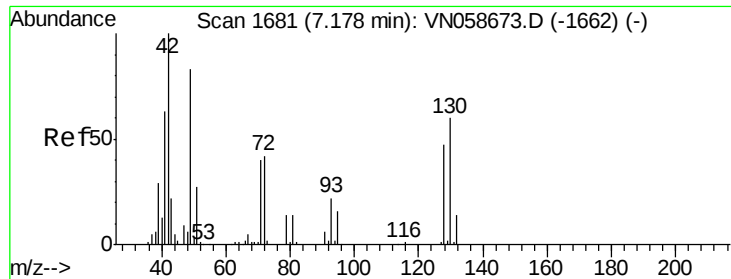
Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM

Quant Time: Nov 08 02:33:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion:128 Resp: 74077

Ion Ratio Lower Upper

128 100

49 184.5 0.0 453.5

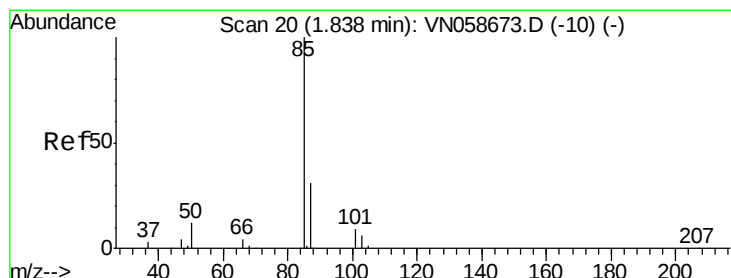
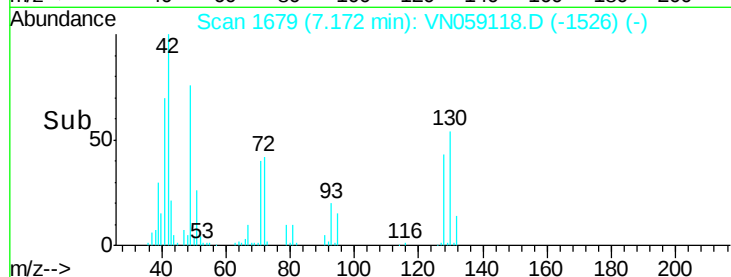
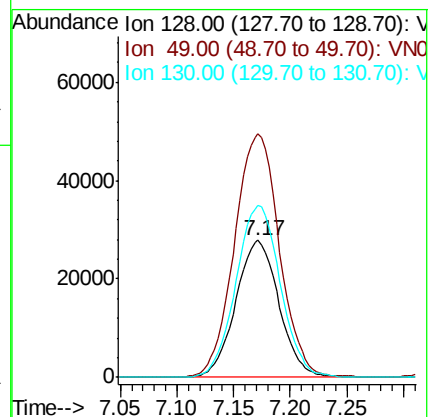
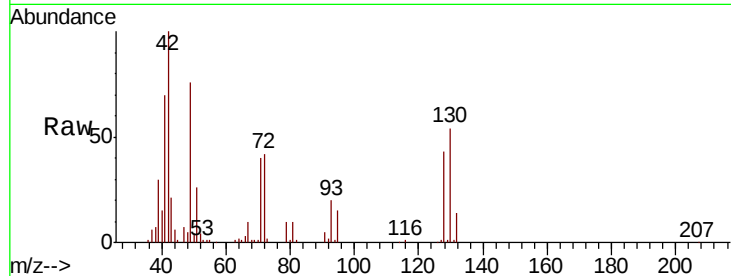
130 129.1 0.0 314.2

Manual Integrations

APPROVED

MMDadoda

11/8/2019 9:39:11 AM



#2

Dichlorodifluoromethane

Concen: 19.946 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059118.D

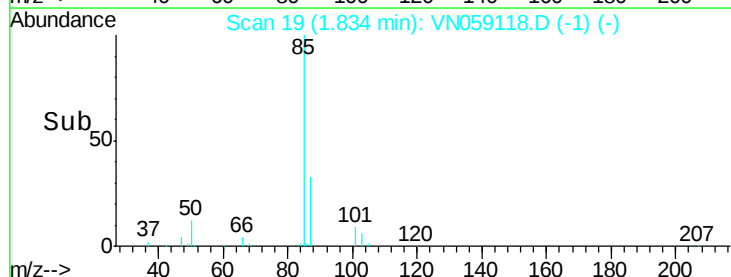
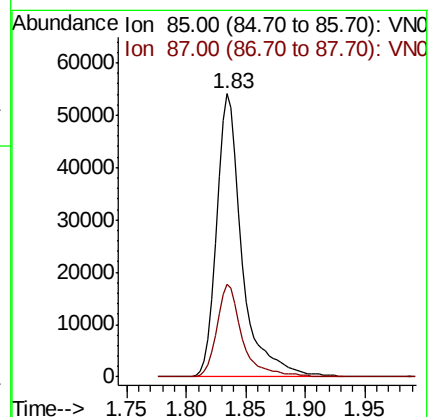
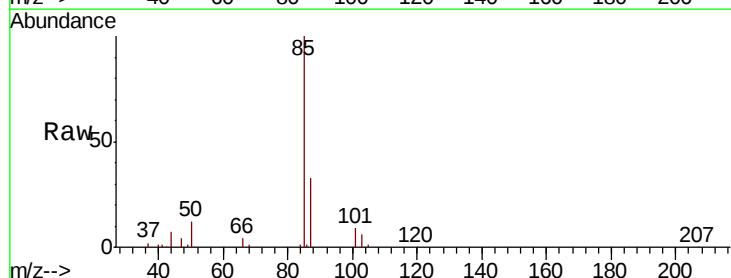
Acq: 7 Nov 2019 13:42

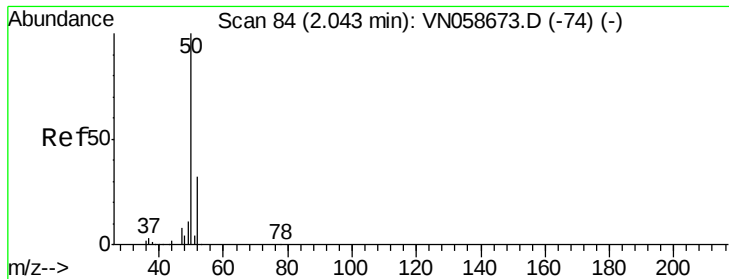
Tgt Ion: 85 Resp: 80057

Ion Ratio Lower Upper

85 100

87 32.7 15.7 47.0





#3

Chloromethane

Concen: 21.251 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 50 Resp: 113934

Ion Ratio Lower Upper

50 100

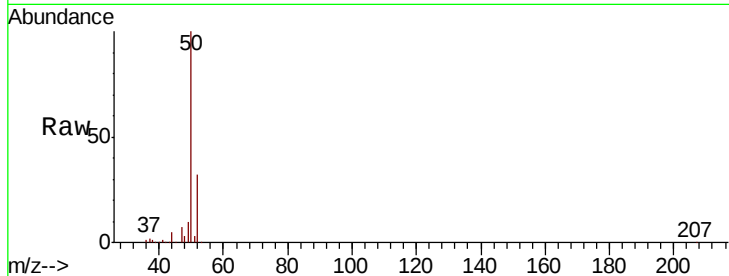
52 31.7 25.8 38.8

Manual Integrations

APPROVED

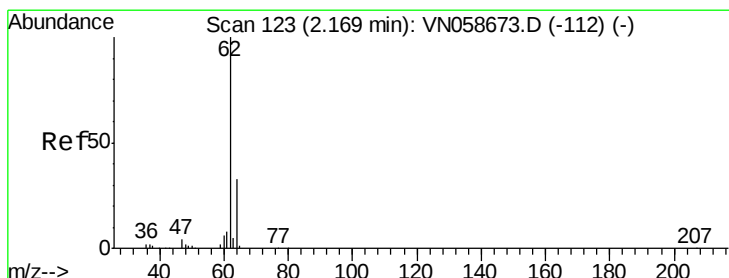
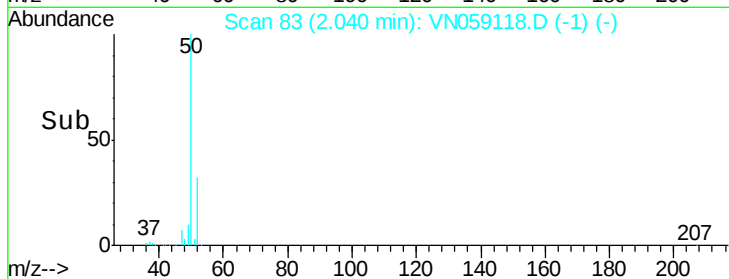
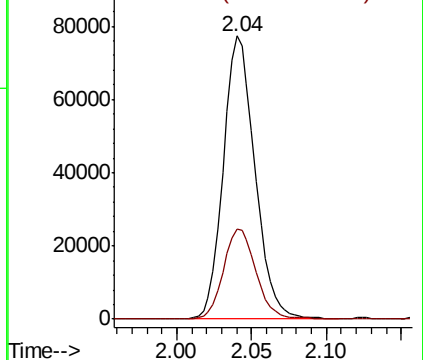
MMDadoda

11/8/2019 9:39:11 AM



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.825 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059118.D

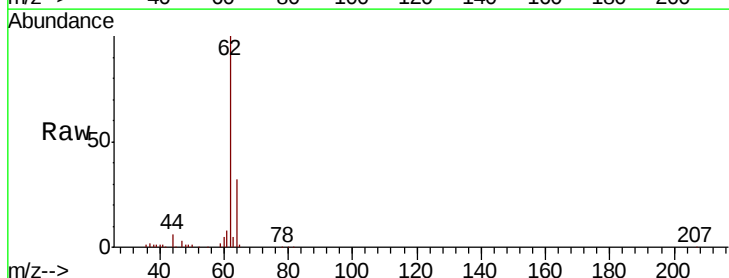
Acq: 7 Nov 2019 13:42

Tgt Ion: 62 Resp: 115395

Ion Ratio Lower Upper

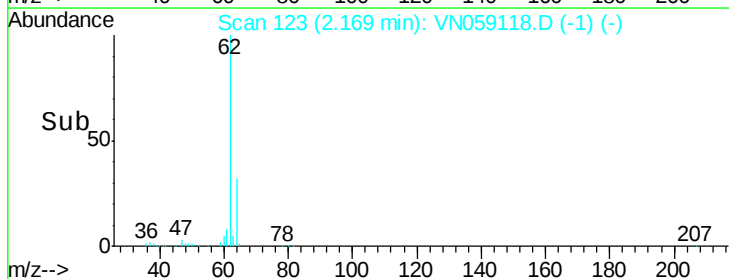
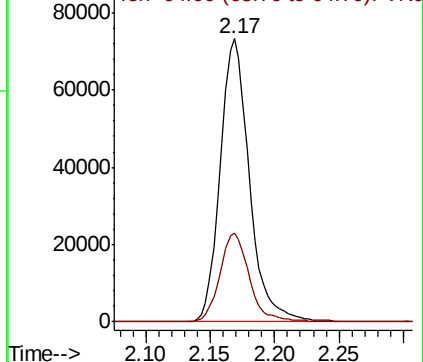
62 100

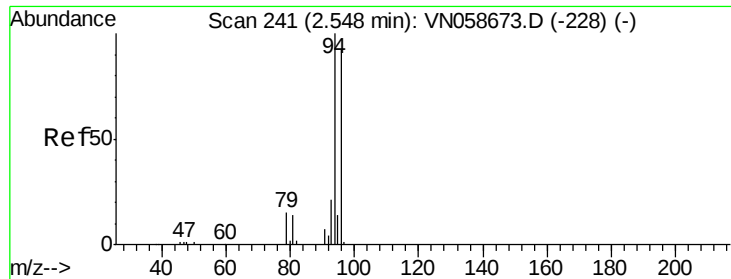
64 31.5 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.722 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 94 Resp: 67471

Ion Ratio Lower Upper

94 100

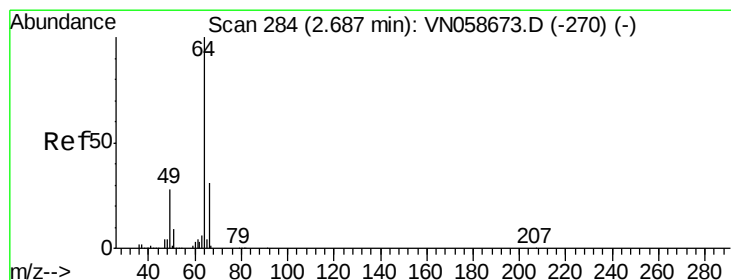
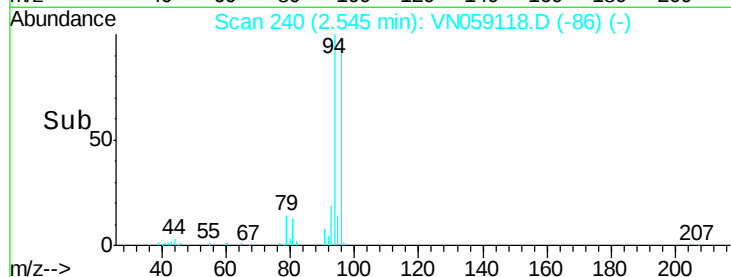
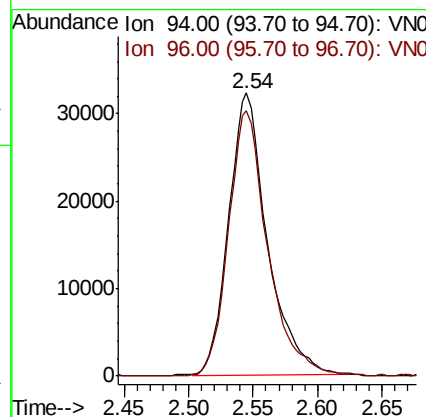
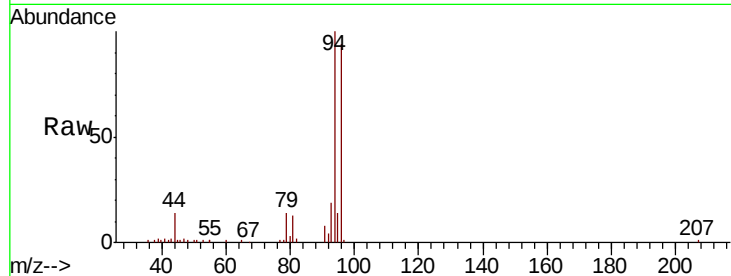
96 93.6 73.7 110.5

Manual Integrations

APPROVED

MMDadoda

11/8/2019 9:39:11 AM



#6

Chloroethane

Concen: 19.866 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059118.D

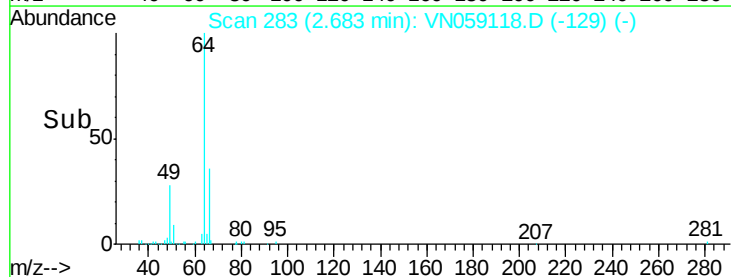
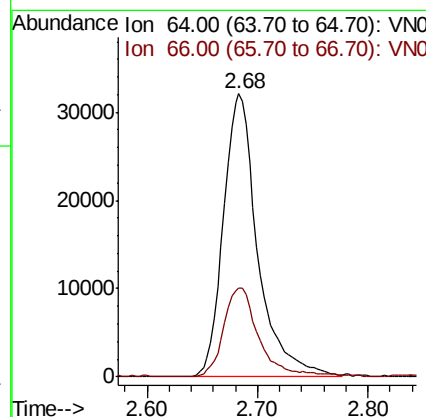
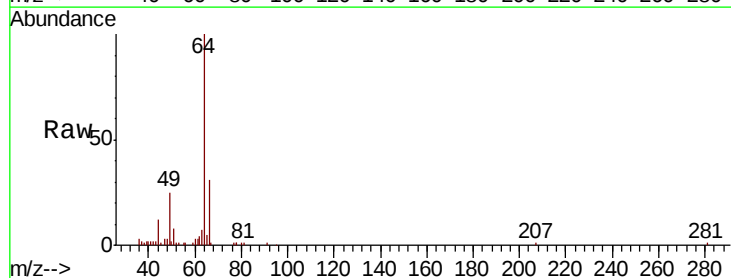
Acq: 7 Nov 2019 13:42

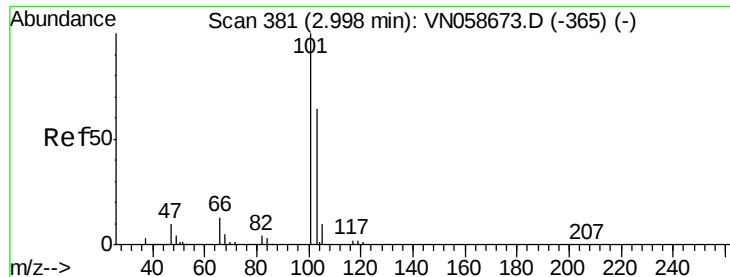
Tgt Ion: 64 Resp: 69193

Ion Ratio Lower Upper

64 100

66 31.5 24.6 36.8





#7

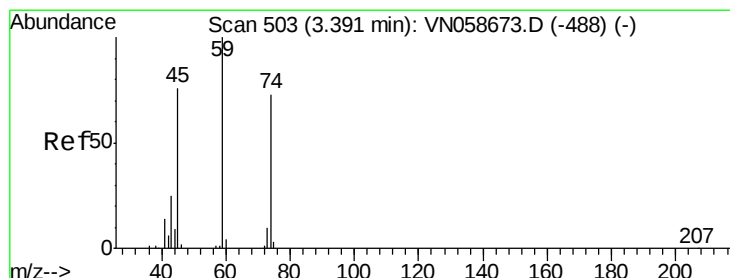
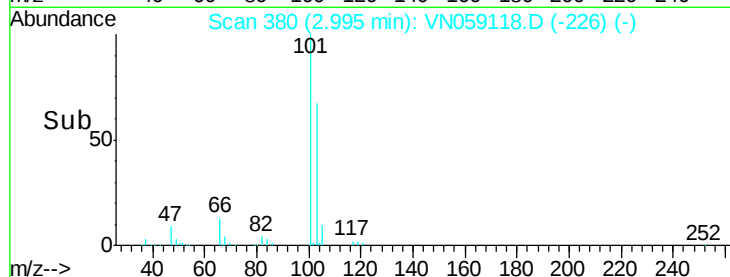
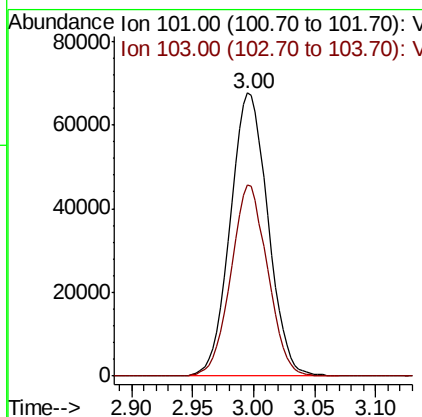
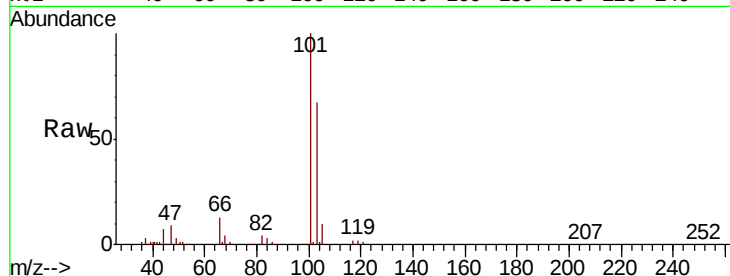
Trichlorofluoromethane
 Concen: 21.285 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.5	77.3

Manual Integrations
 APPROVED

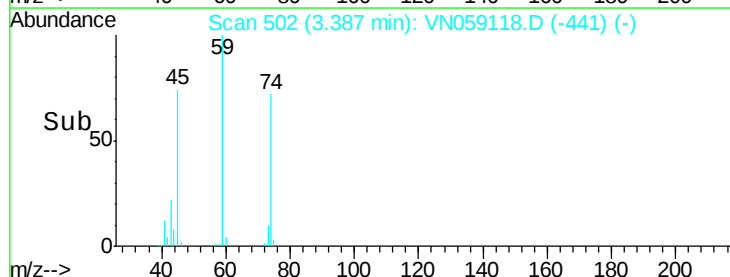
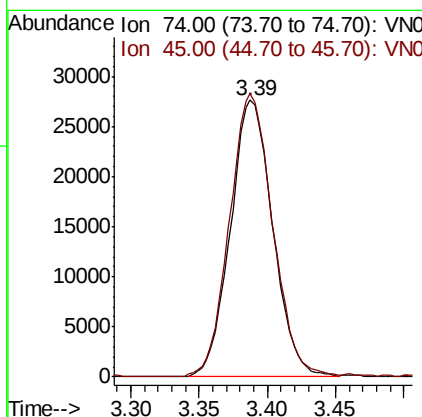
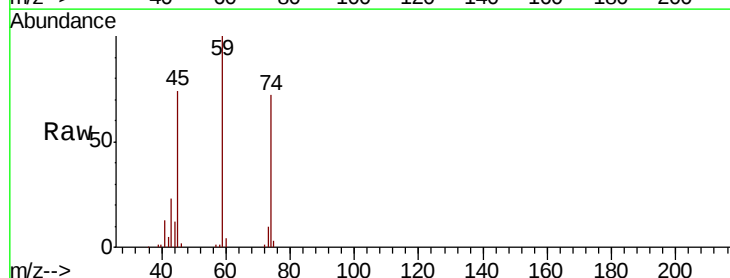
MMDadoda
 11/8/2019 9:39:11 AM

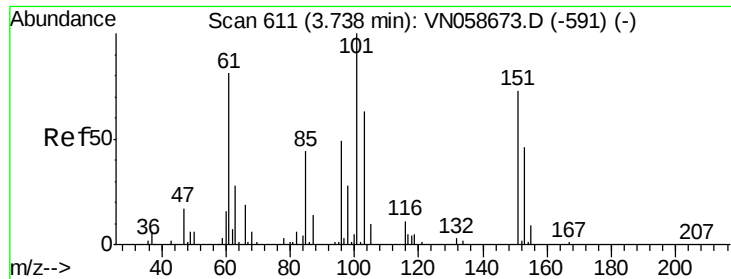


#8

Diethyl Ether
 Concen: 22.919 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.443 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

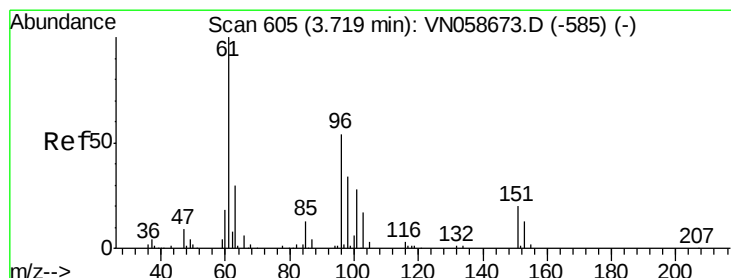
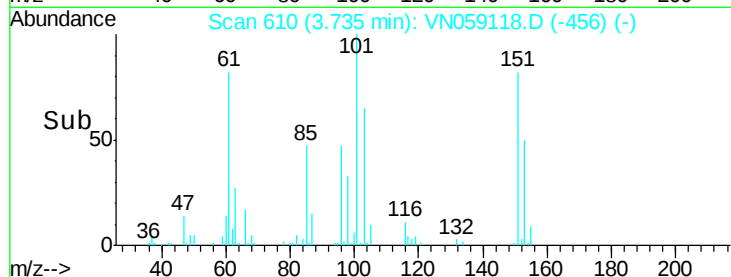
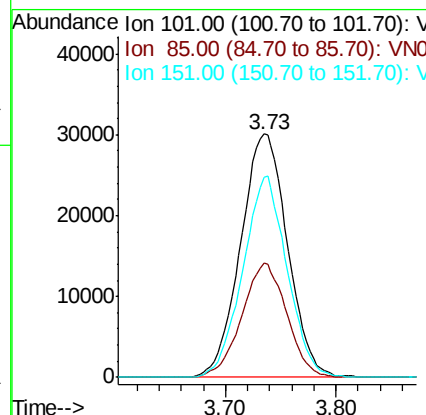
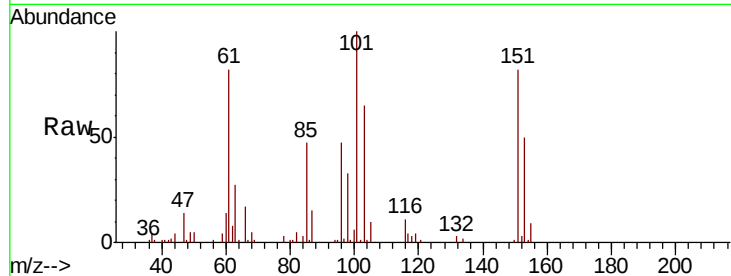
ClientSampleId :

VN1107WBSD01

Tot Ion:	101	Resp:	88565
Ion Ratio	Lower	Upper	
101	100		
85	44.8	0.0	93.8
151	77.9	0.0	149.6

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM



#10

1,1-Dichloroethene

Concen: 21.946 ug/l

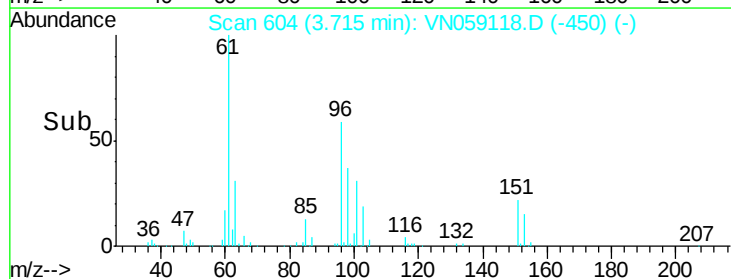
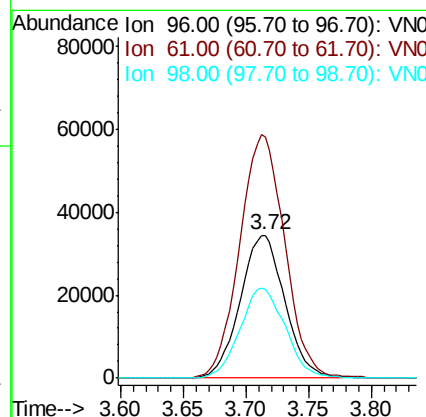
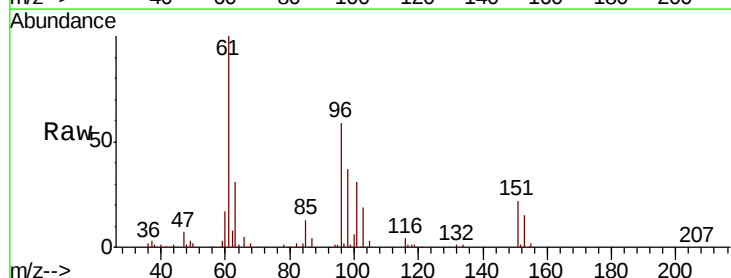
RT: 3.72 min Scan# 604

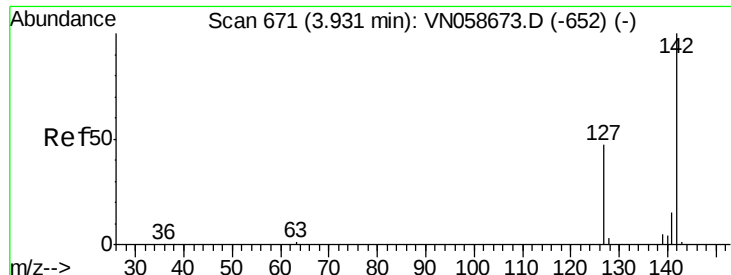
Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Tgt Ion:	96	Resp:	85061
Ion Ratio	Lower	Upper	
96	100		
61	168.9	148.5	222.7
98	62.2	51.0	76.6





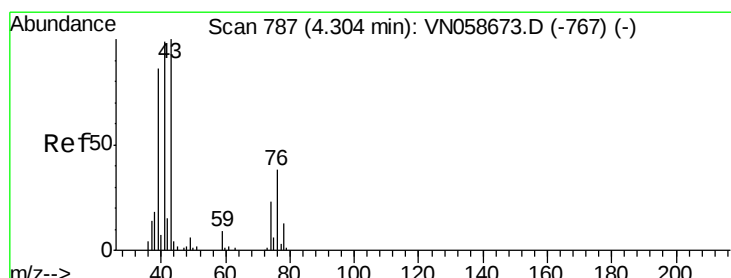
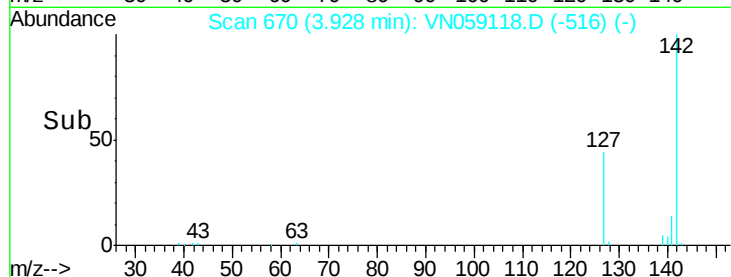
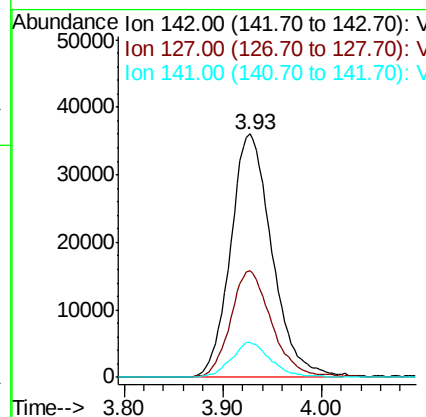
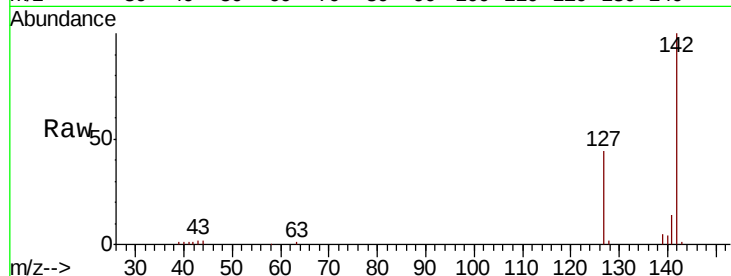
#11
Methvl Iodide
Concen: 19.510 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.3	23.5	70.6
141	13.9	7.4	22.2

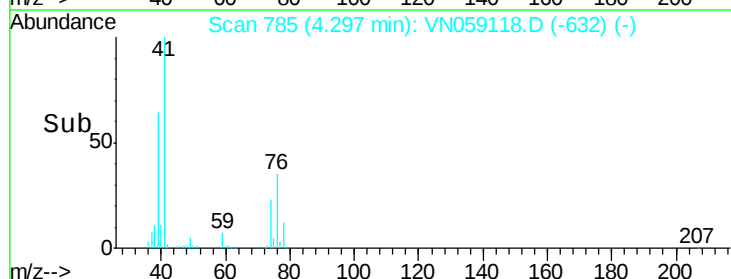
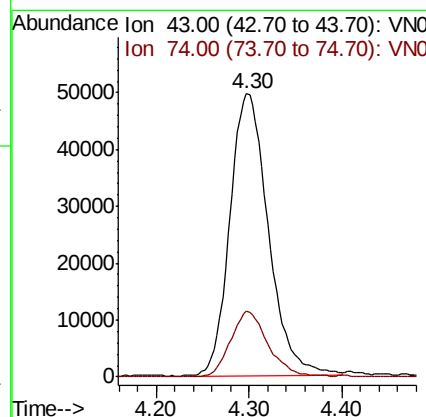
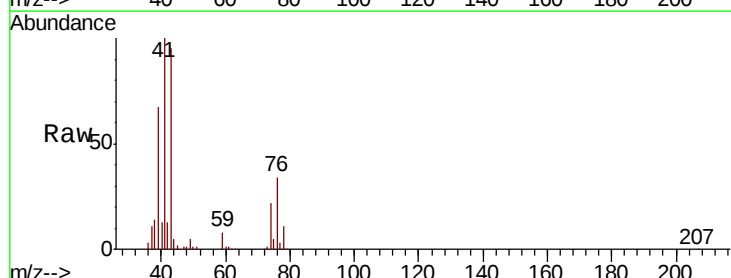
Manual Integrations
APPROVED

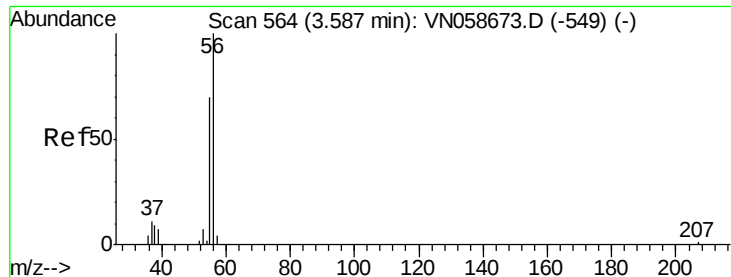
MMDadoda
11/8/2019 9:39:11 AM



#12
Methyl Acetate
Concen: 23.037 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.1	27.1





#13

Acrolein

Concen: 101.569 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 56 Resp: 69592

Ion Ratio Lower Upper

56 100

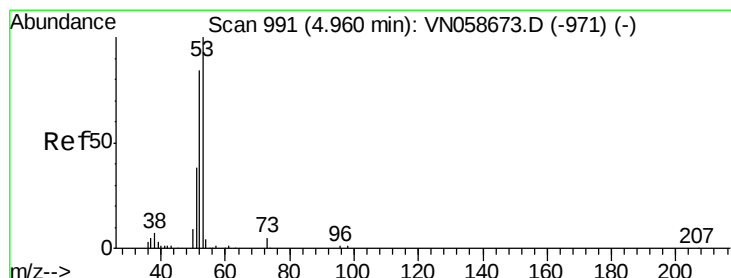
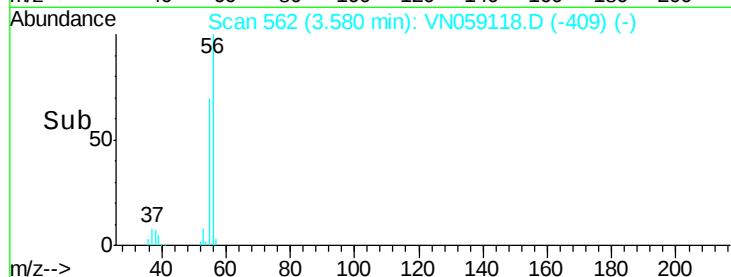
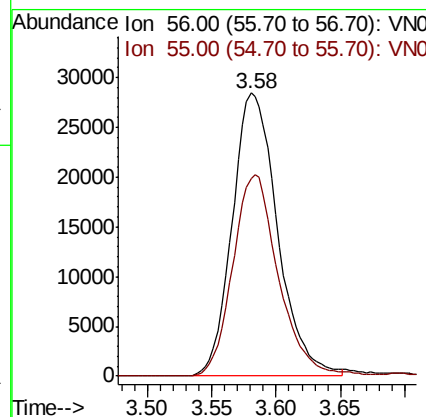
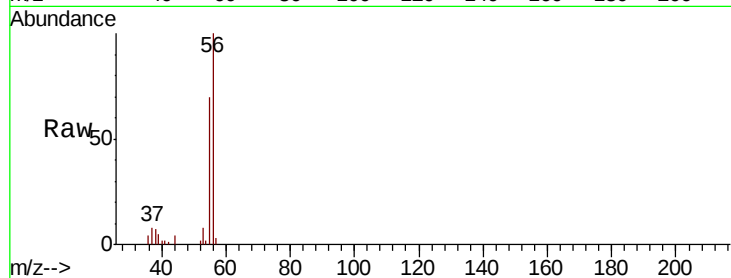
55 71.1 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

11/8/2019 9:39:11 AM



#14

Acrylonitrile

Concen: 117.232 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

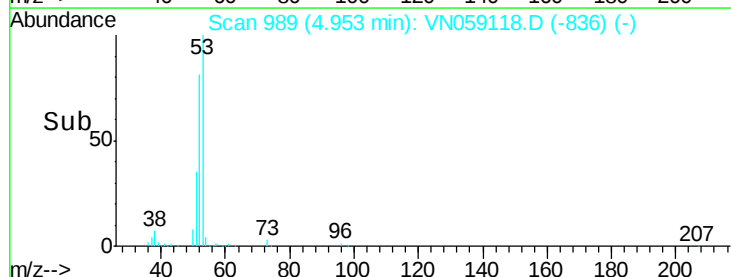
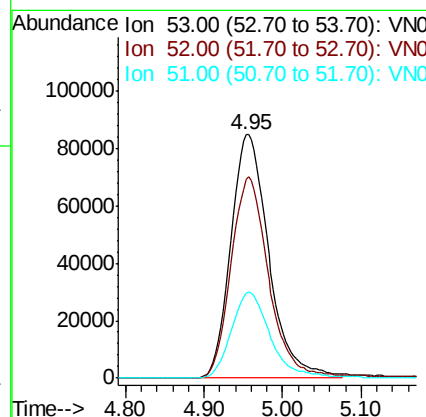
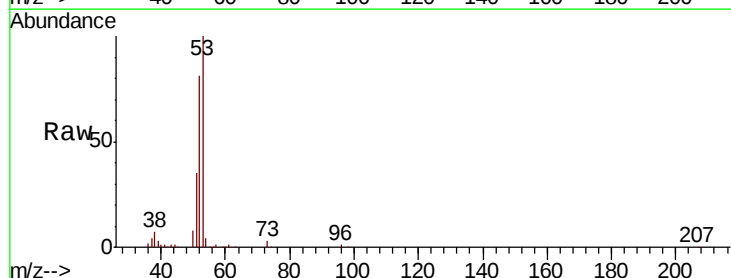
Tgt Ion: 53 Resp: 286445

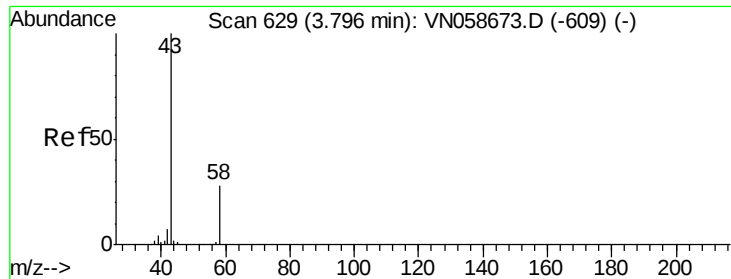
Ion Ratio Lower Upper

53 100

52 81.5 42.2 126.6

51 35.4 18.8 56.4





#15

Acetone

Concen: 125.182 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 58 Resp: 90793

Ion Ratio Lower Upper

58 100

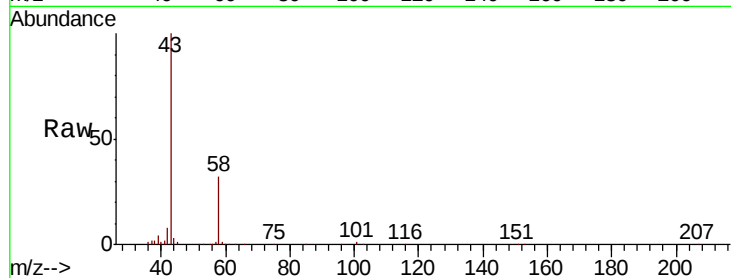
43 311.1 281.7 422.5

Manual Integrations

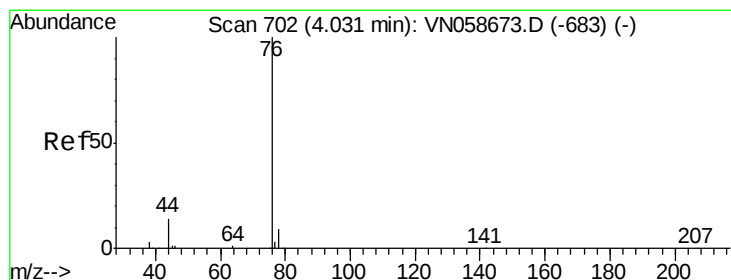
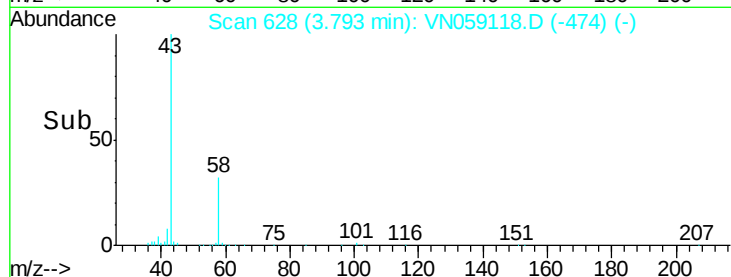
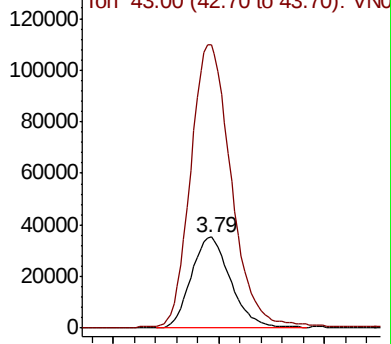
APPROVED

MMDadoda

11/8/2019 9:39:11 AM



Abundance Ion 58.00 (57.70 to 58.70): VN059118.D (-474) (-)



#16

Carbon Disulfide

Concen: 21.089 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059118.D

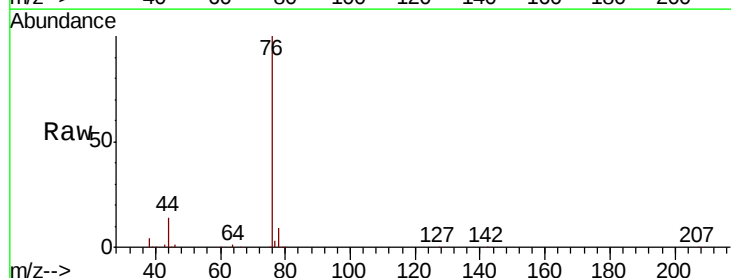
Acq: 7 Nov 2019 13:42

Tgt Ion: 76 Resp: 238411

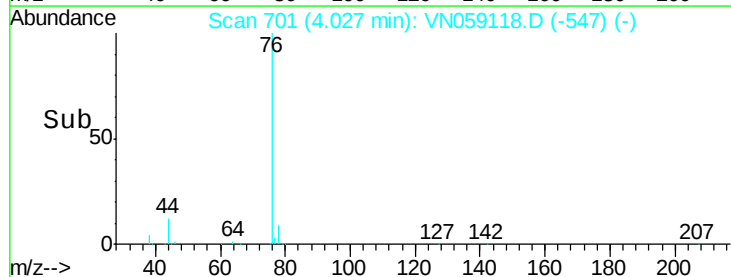
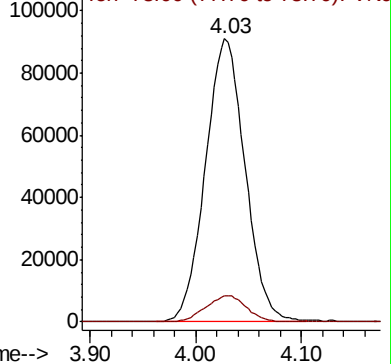
Ion Ratio Lower Upper

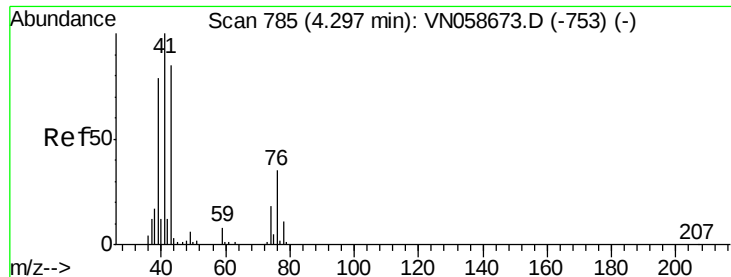
76 100

78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN059118.D (-547) (-)





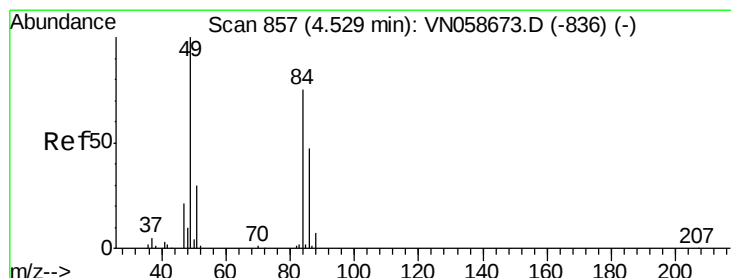
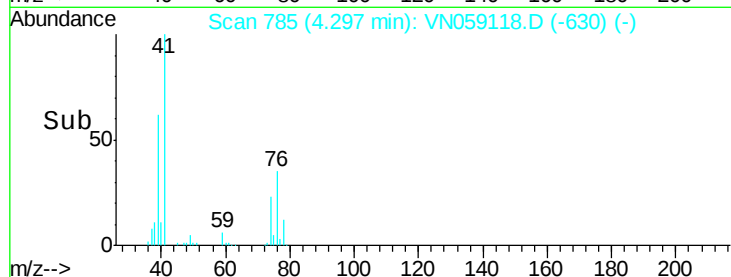
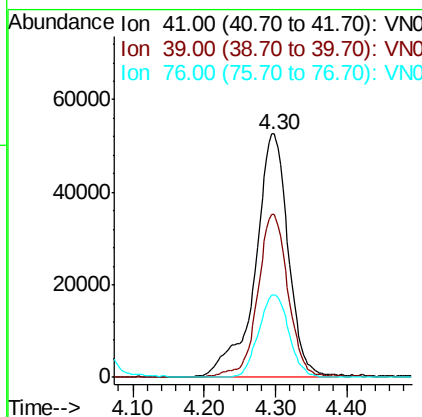
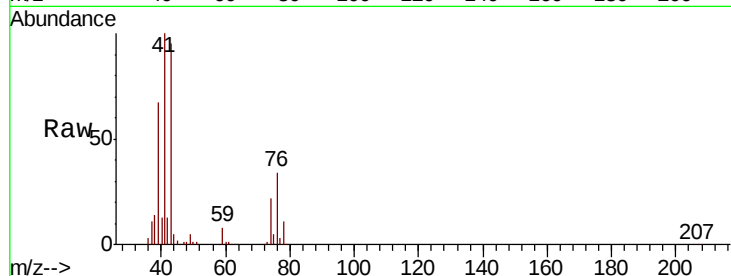
#17
Allvl chloride
Concen: 21.979 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.0	39.6	118.8
76	34.0	17.6	52.9

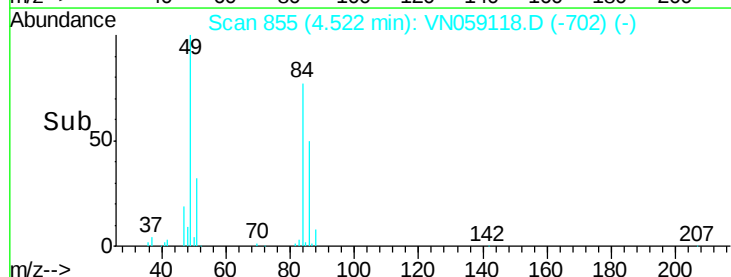
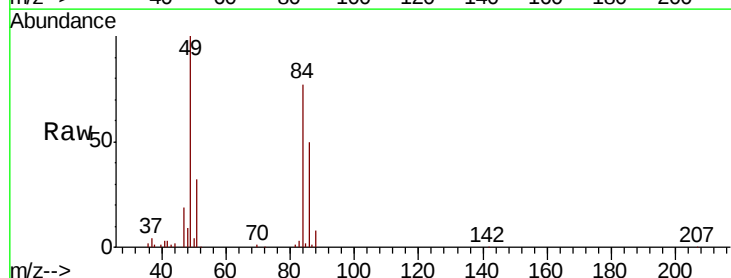
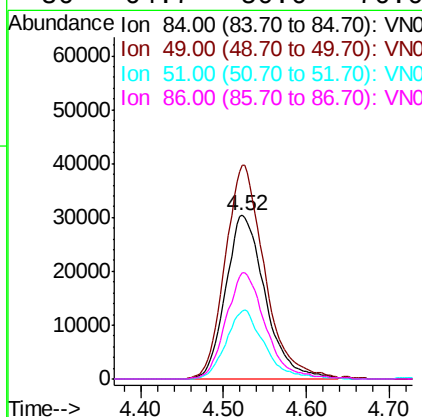
Manual Integrations
APPROVED

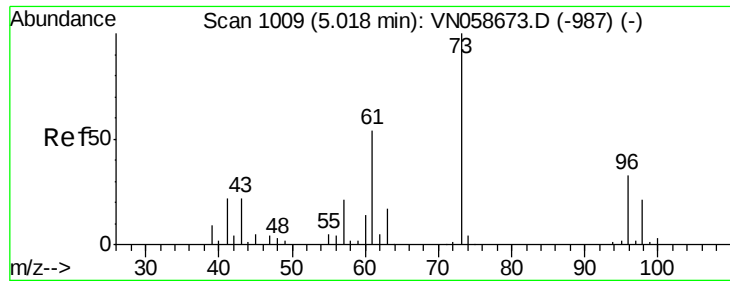
MMDadoda
11/8/2019 9:39:11 AM



#18
Methylene Chloride
Concen: 21.525 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.6	106.6	160.0
51	41.7	32.4	48.6
86	64.7	50.6	76.0





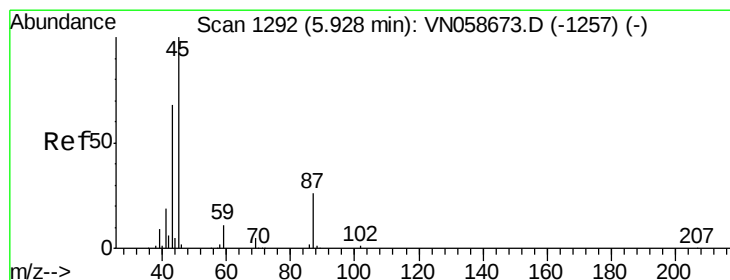
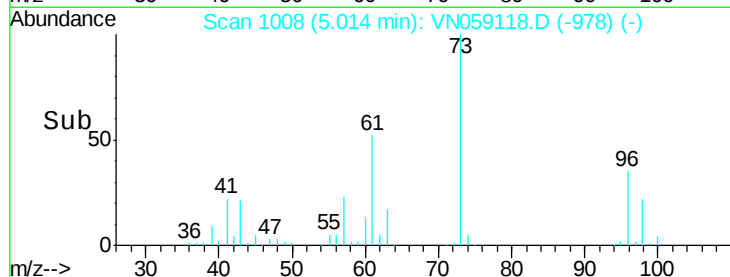
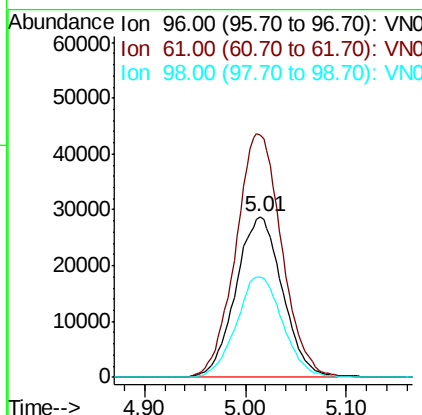
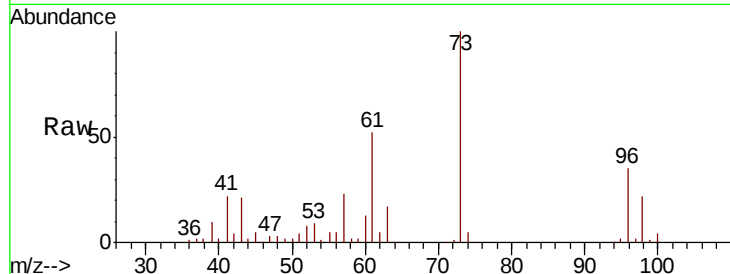
#19
trans-1,2-Dichloroethene
Concen: 21.818 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	150.9	131.8	197.6	
98	62.2	52.6	79.0	

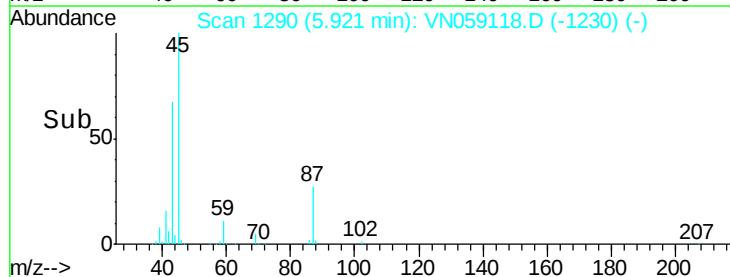
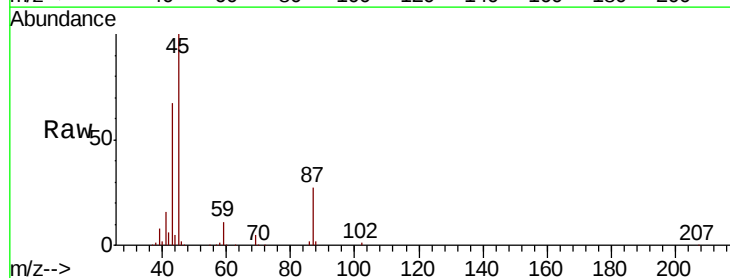
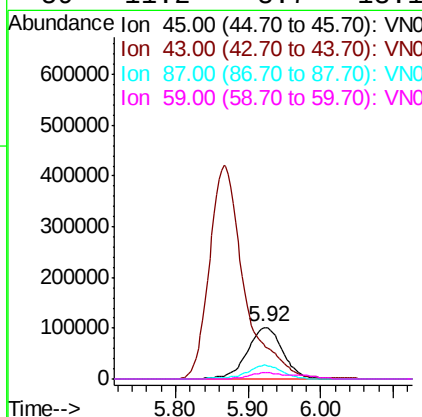
Manual Integrations
APPROVED

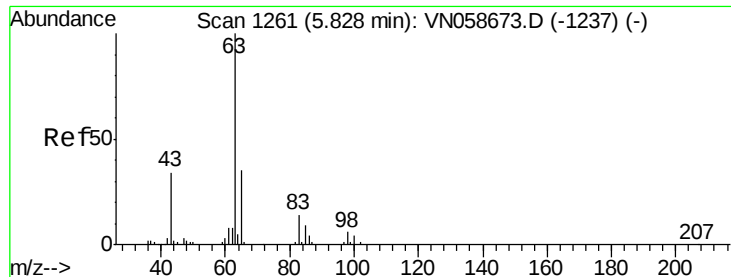
MMDadoda
11/8/2019 9:39:11 AM



#20
Diisopropyl ether
Concen: 22.074 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	65.3	54.7	82.1	
87	26.5	21.5	32.3	
59	11.2	8.7	13.1	





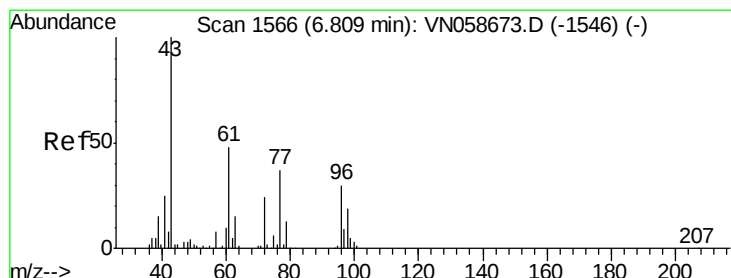
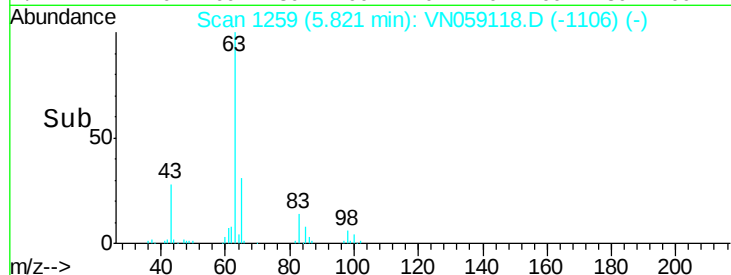
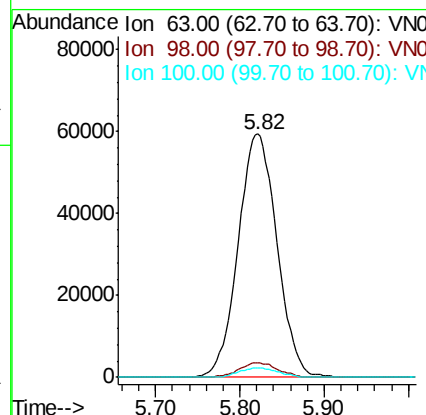
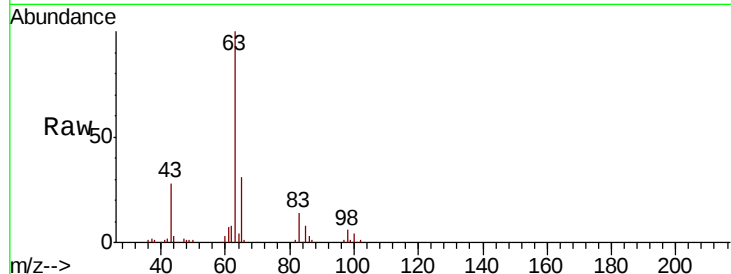
#21
 1,1-Dichloroethane
 Concen: 21.816 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.0	2.9	8.6
100	3.8	1.8	5.5

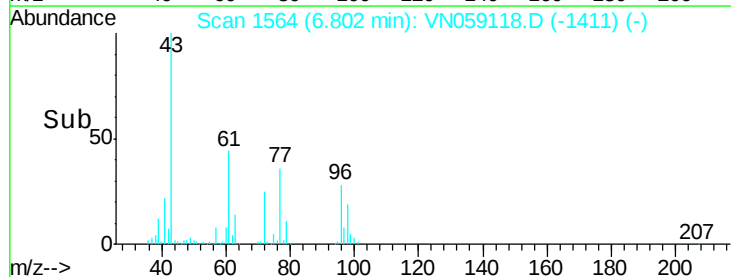
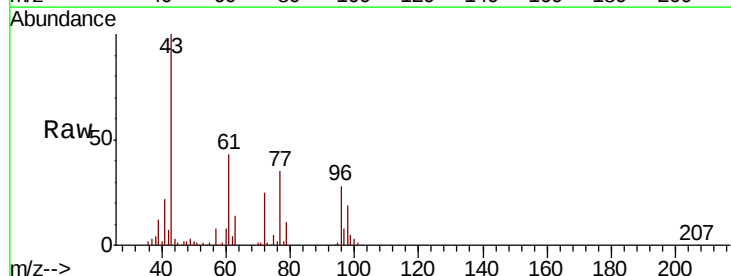
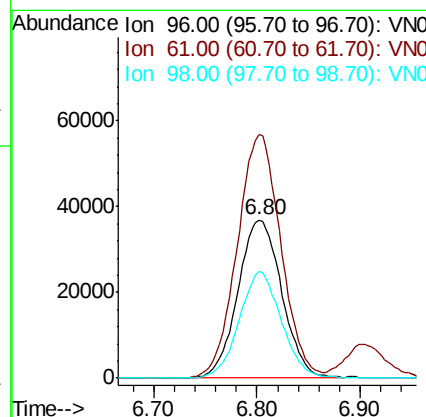
Manual Integrations
 APPROVED

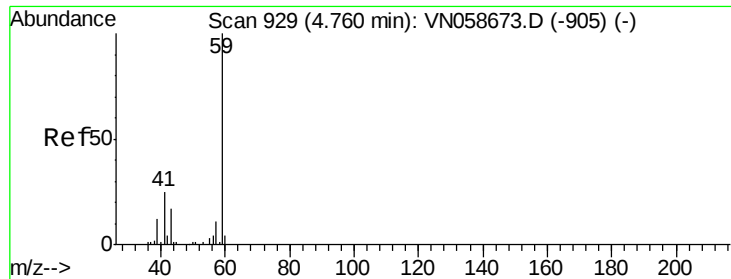
MMDadoda
 11/8/2019 9:39:11 AM



#22
 cis-1,2-Dichloroethene
 Concen: 21.668 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	153.3	127.2	190.8
98	64.7	50.5	75.7





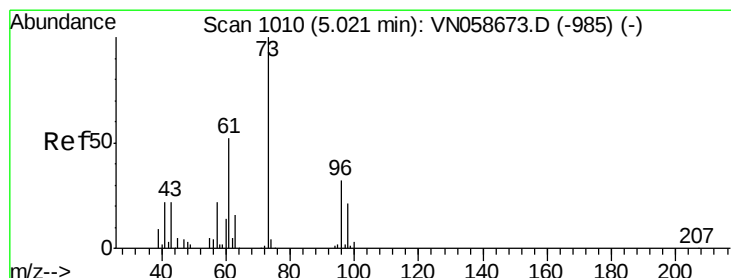
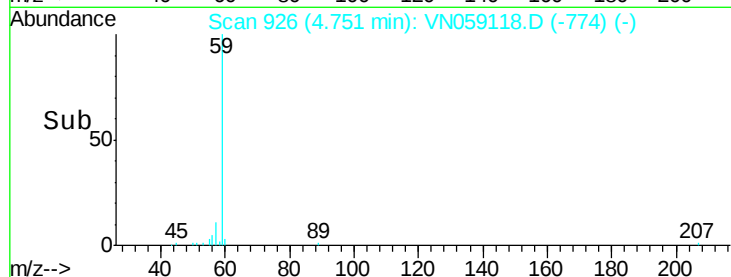
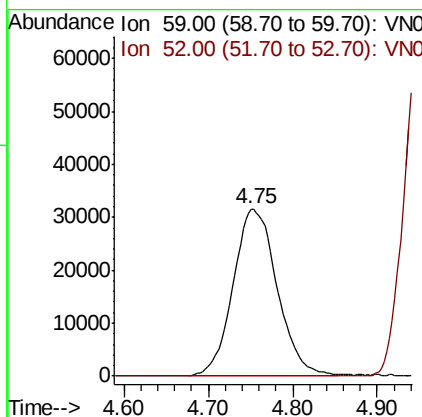
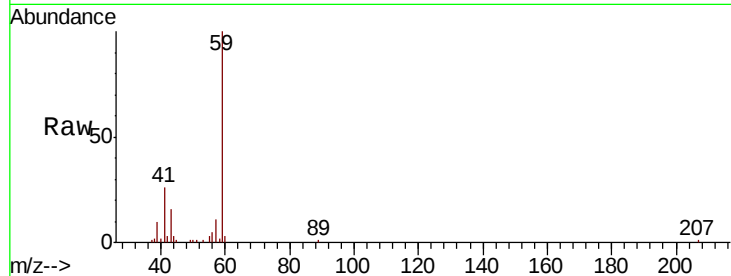
#23
 tert-Butyl Alcohol
 Concen: 114.790 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion: 59 Resp: 114722
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

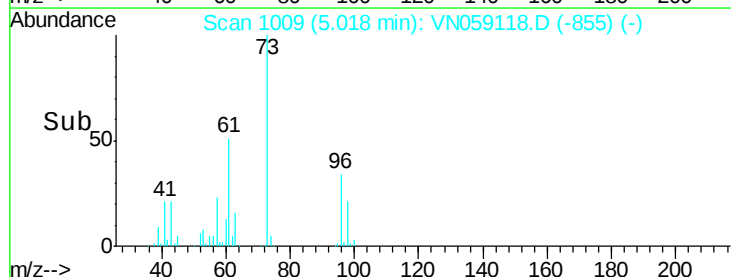
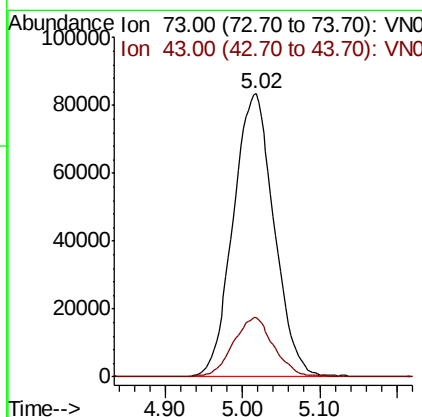
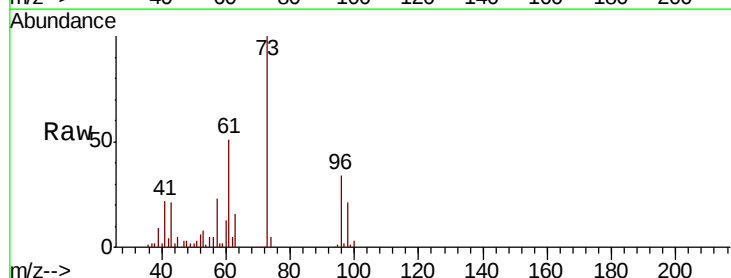
Manual Integrations
 APPROVED

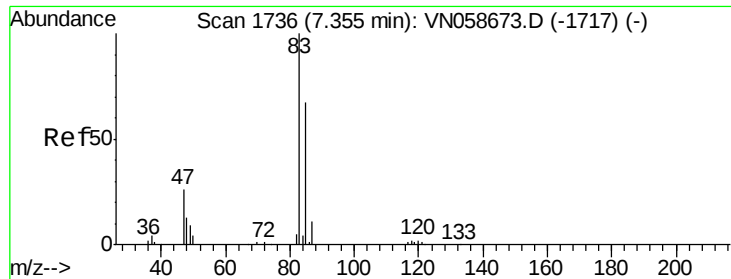
MMDadoda
 11/8/2019 9:39:11 AM



#24
 Methyl tert-Butyl Ether
 Concen: 21.208 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Tgt Ion: 73 Resp: 306651
 Ion Ratio Lower Upper
 73 100
 43 20.7 17.9 26.9





#25

Chloroform

Concen: 21.139 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.01 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 83 Resp: 183495

Ion Ratio Lower Upper

83 100

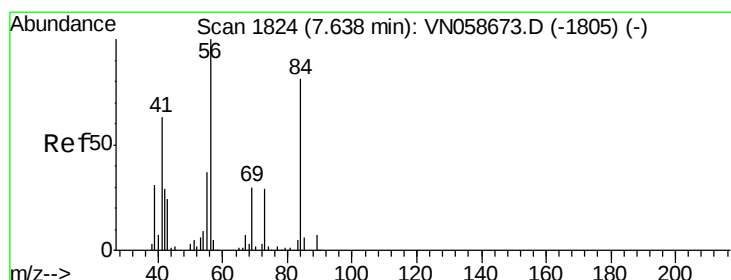
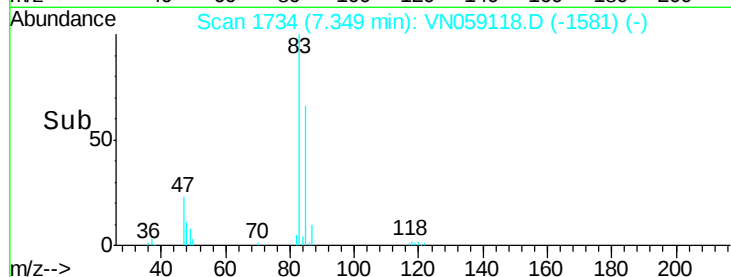
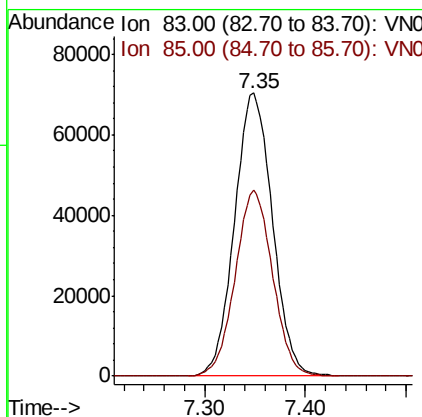
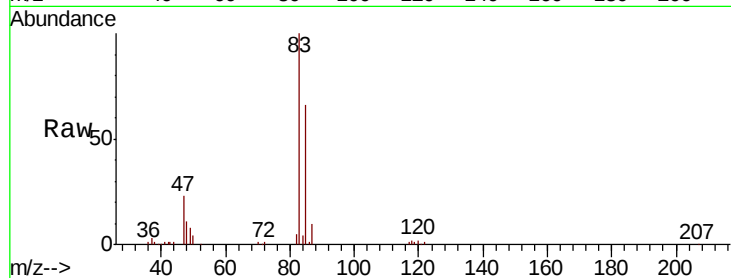
85 65.6 53.8 80.8

Manual Integrations

APPROVED

MMDadoda

11/8/2019 9:39:11 AM



#26

Cyclohexane

Concen: 21.027 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

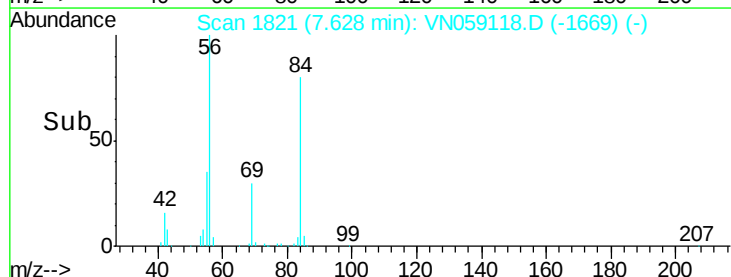
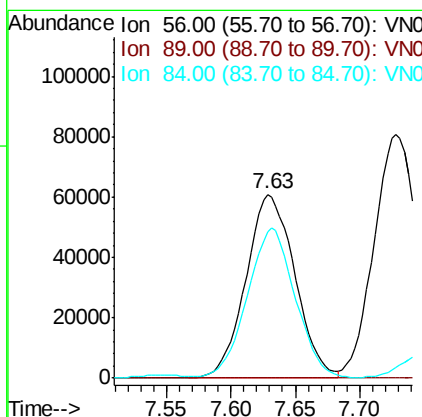
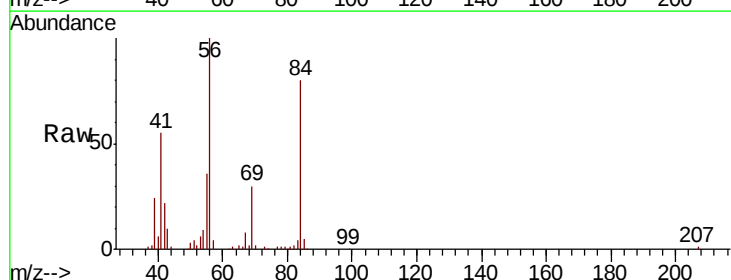
Tgt Ion: 56 Resp: 160628

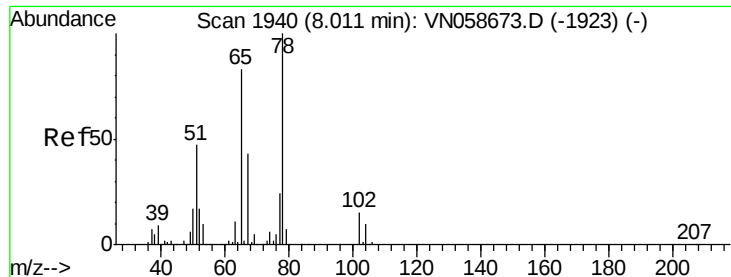
Ion Ratio Lower Upper

56 100

89 0.0 6.2 9.2#

84 80.2 65.6 98.4





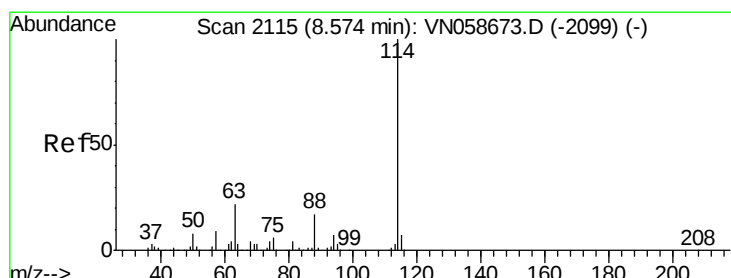
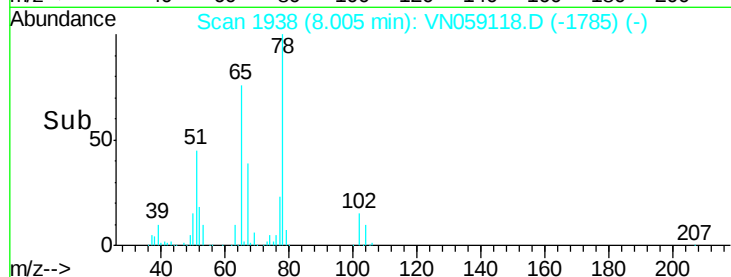
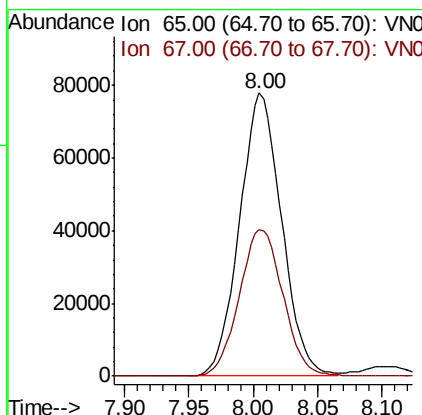
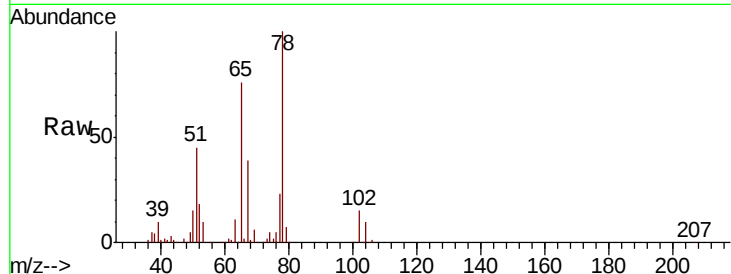
#27
 1,2-Dichloroethane-d4
 Concen: 28.193 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion: 65 Resp: 177254
 Ion Ratio Lower Upper
 65 100
 67 53.7 41.5 62.3

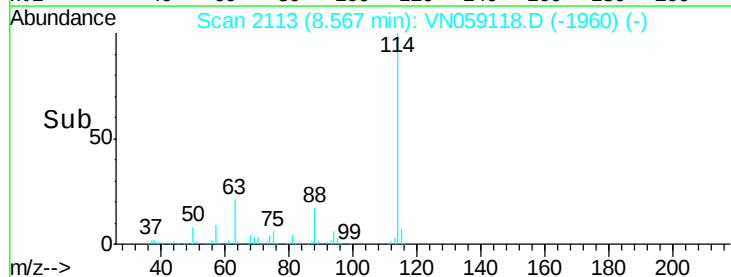
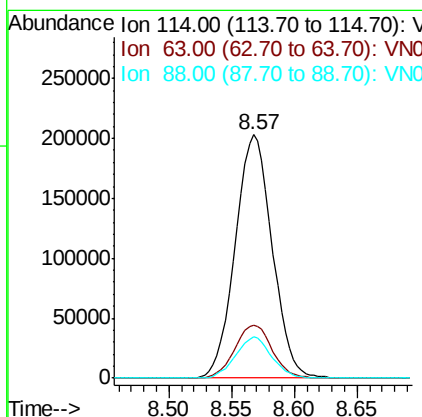
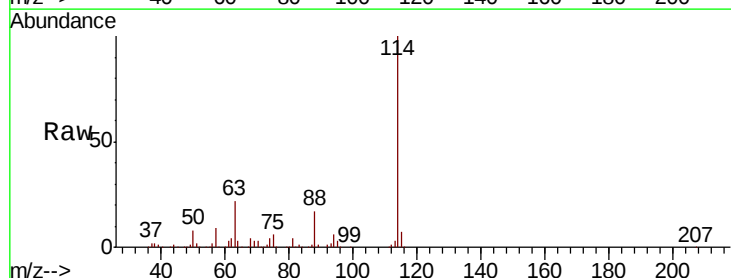
Manual Integrations
 APPROVED

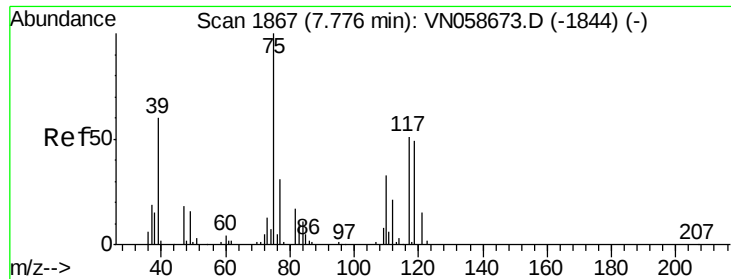
MMDadoda
 11/8/2019 9:39:11 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.01 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Tgt Ion: 114 Resp: 416087
 Ion Ratio Lower Upper
 114 100
 63 22.0 18.1 27.1
 88 16.6 13.0 19.4





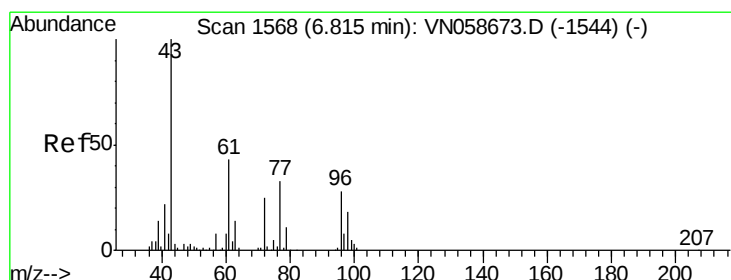
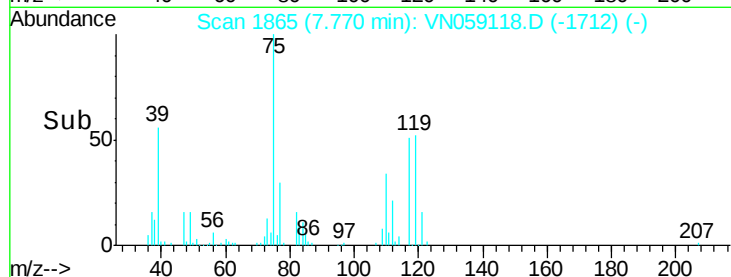
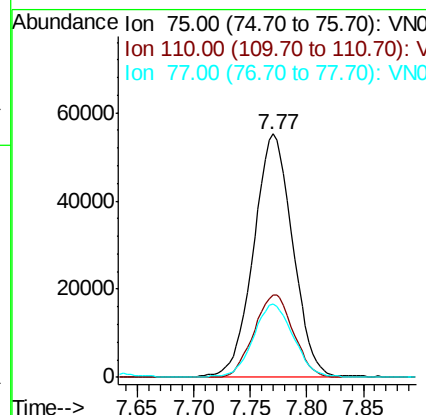
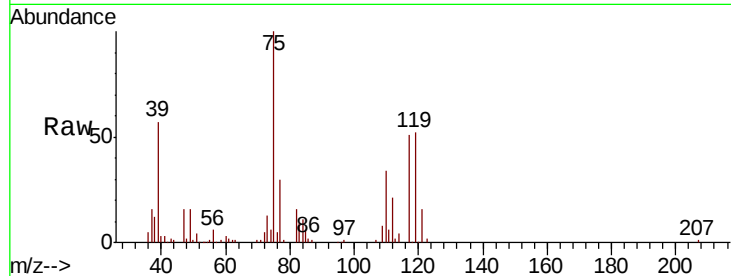
#29
 1,1-Dichloropropene
 Concen: 20.295 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.0	0.0	64.6
77	31.0	0.0	60.8

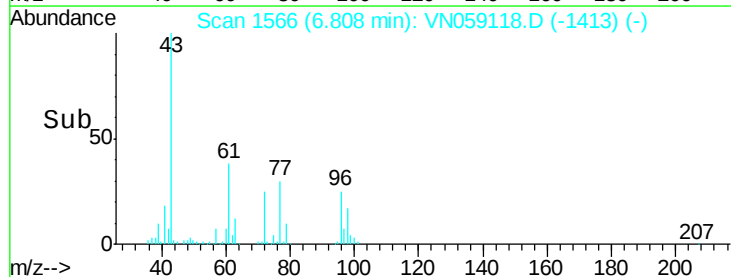
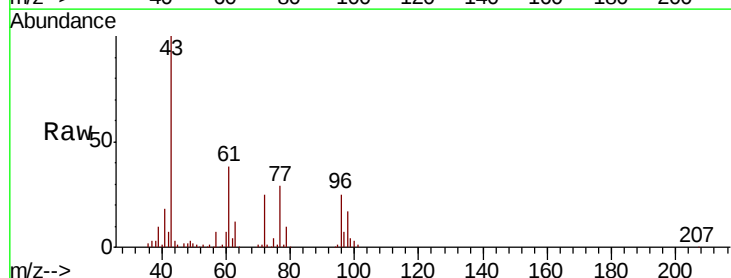
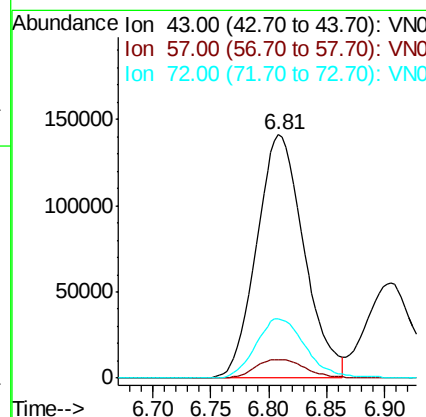
Manual Integrations
 APPROVED

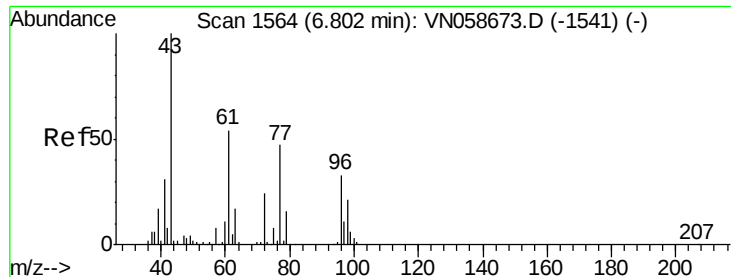
MMDadoda
 11/8/2019 9:39:11 AM



#30
 2-Butanone
 Concen: 108.016 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	4.0	6.5	9.7#
72	25.9	20.1	30.1





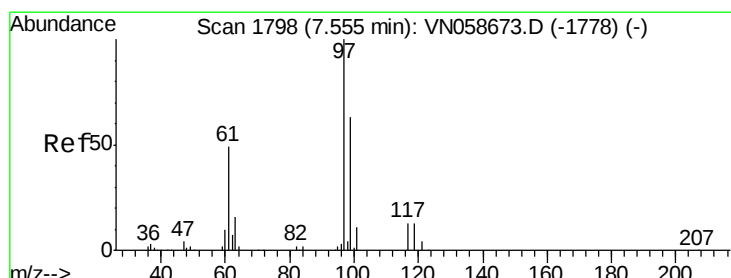
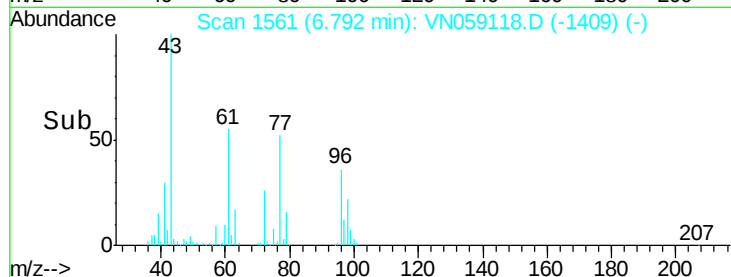
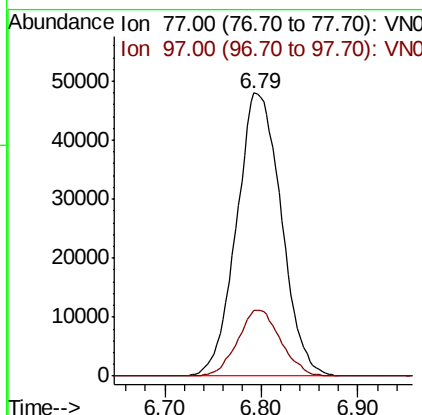
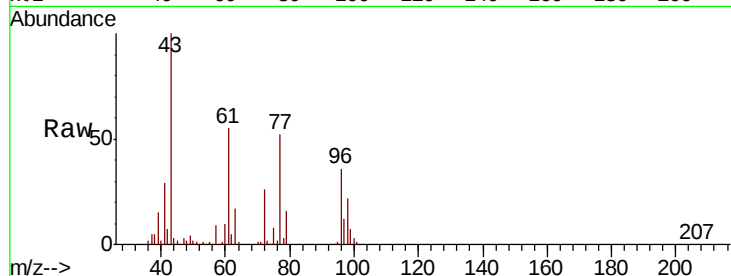
#31
 2,2-Dichloropropane
 Concen: 19.957 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
77	100		
97	22.4	17.9	26.9

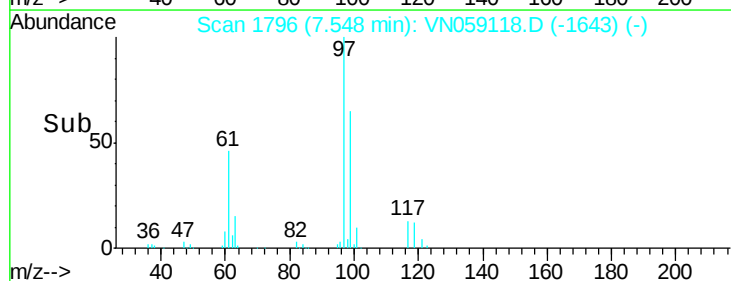
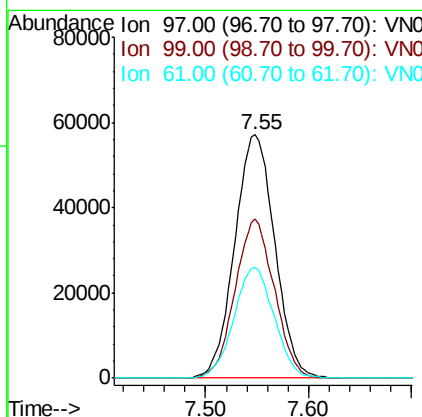
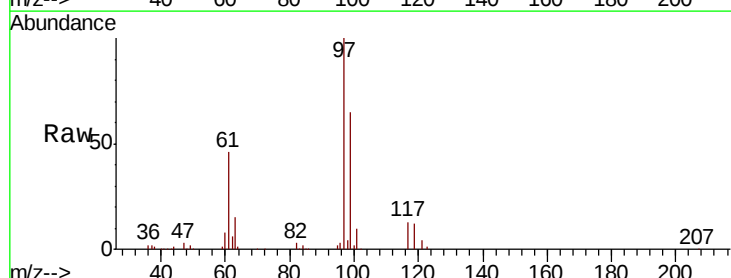
Manual Integrations
 APPROVED

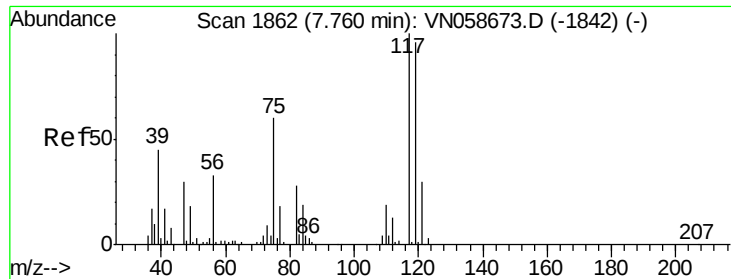
MMDadoda
 11/8/2019 9:39:11 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.419 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.3	76.9
61	45.7	38.4	57.6





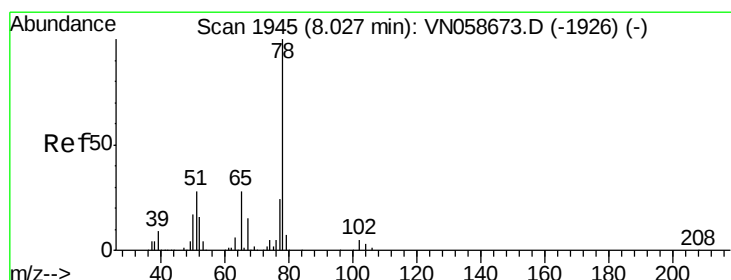
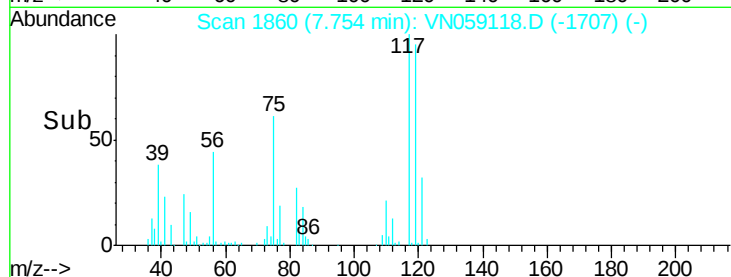
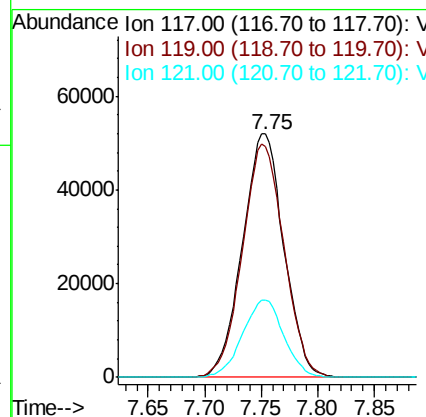
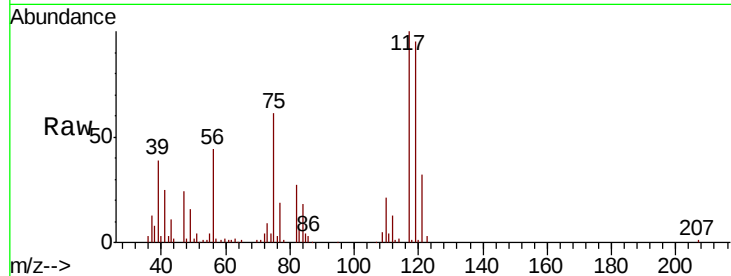
#33
Carbon Tetrachloride
Concen: 20.139 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.9	115.3
121	31.9	23.8	35.8

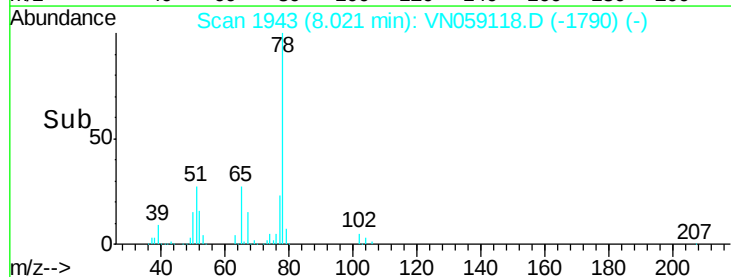
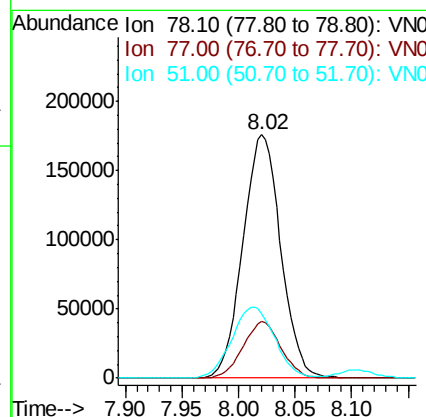
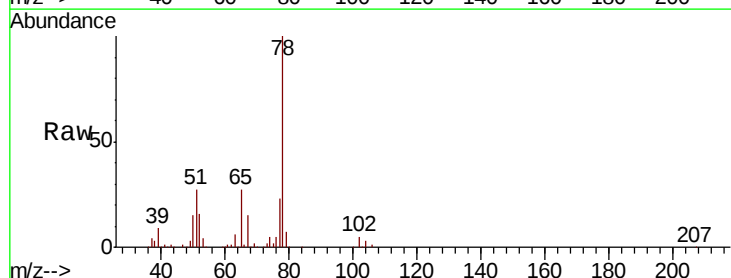
Manual Integrations
APPROVED

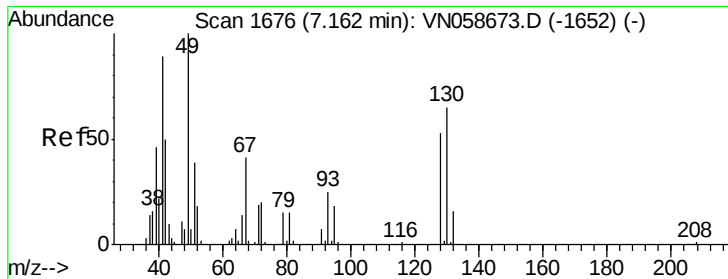
MMDadoda
11/8/2019 9:39:11 AM



#34
Benzene
Concen: 21.290 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8
51	26.4	22.1	33.1





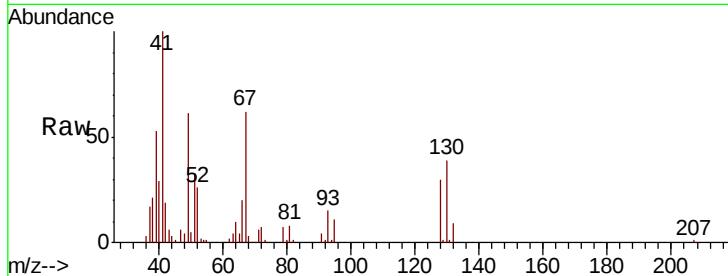
#35
Methacrylonitrile
Concen: 17.293 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.02 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

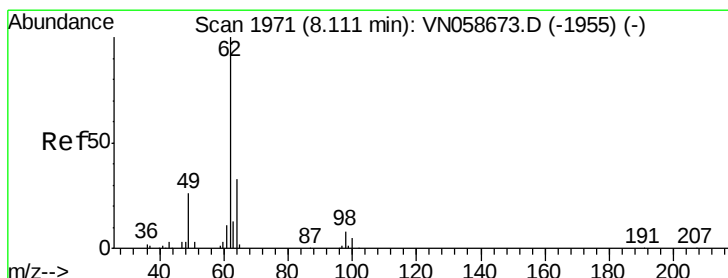
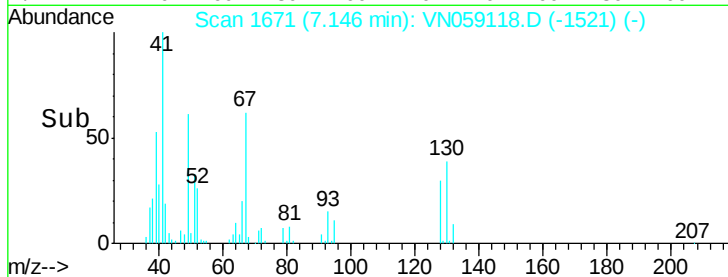
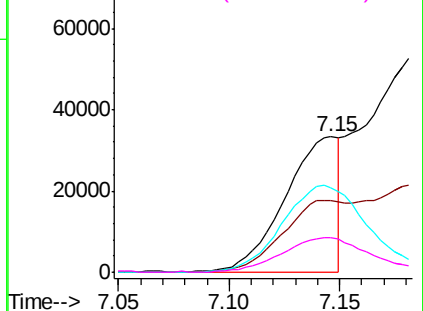
Tot Ion:	41	Resp:	56544
Ion	Ratio	Lower	Upper
41	100		
39	53.0	25.8	77.4
67	62.4	23.0	69.0
52	25.8	10.1	30.1

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM

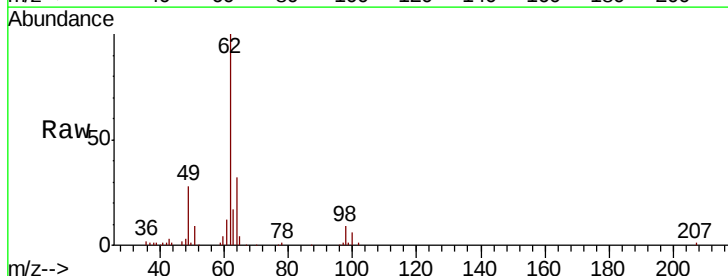


Abundance Ion 41.00 (40.70 to 41.70): VN059118.D (-1521) (-)
Ion 39.00 (38.70 to 39.70): VN059118.D (-1521) (-)
Ion 67.00 (66.70 to 67.70): VN059118.D (-1521) (-)
Ion 52.00 (51.70 to 52.70): VN059118.D (-1521) (-)

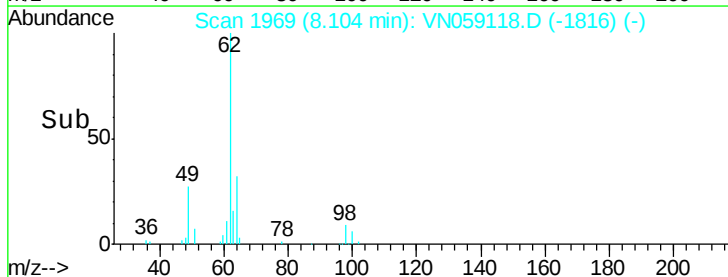
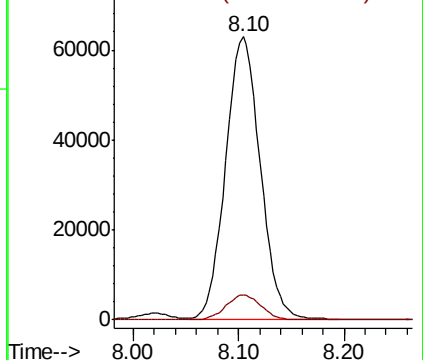


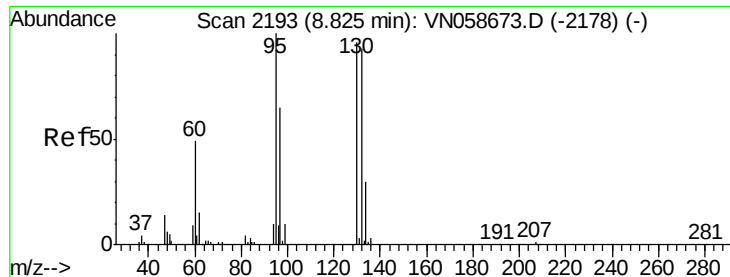
#36
1,2-Dichloroethane
Concen: 19.549 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion:	62	Resp:	144124
Ion	Ratio	Lower	Upper
62	100		
98	8.8	6.4	9.6



Abundance Ion 62.00 (61.70 to 62.70): VN059118.D (-1816) (-)
Ion 98.00 (97.70 to 98.70): VN059118.D (-1816) (-)





#37

Trichloroethene

Concen: 21.096 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.01 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion:130 Resp: 99934

Ion Ratio Lower Upper

130 100

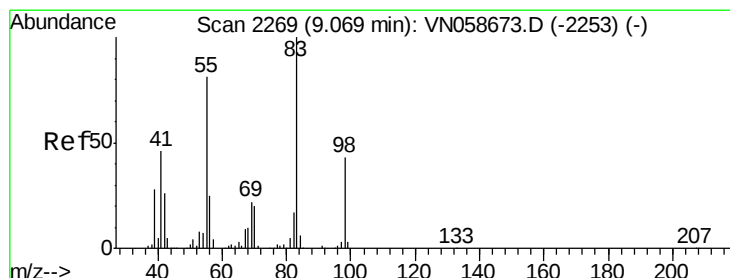
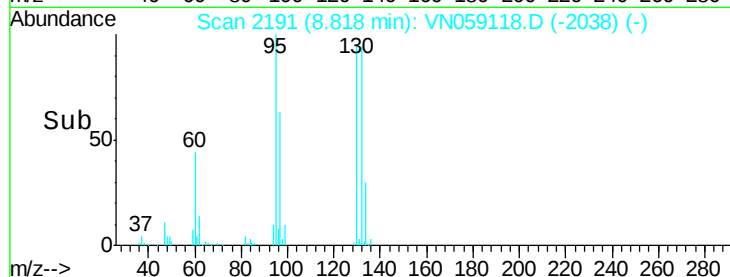
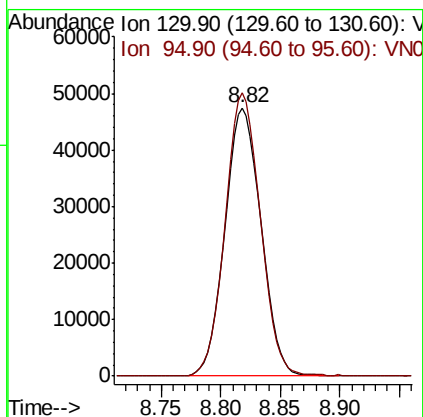
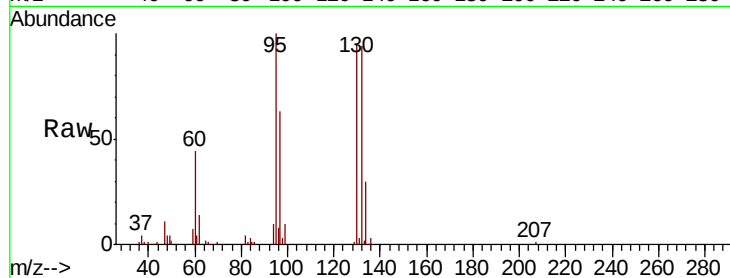
95 105.2 83.2 124.8

Manual Integrations

APPROVED

MMDadoda

11/8/2019 9:39:11 AM



#38

Methylcyclohexane

Concen: 20.153 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

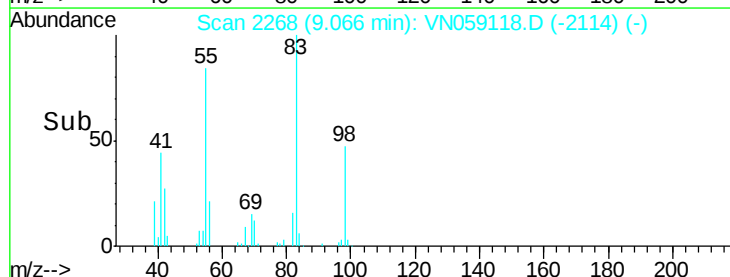
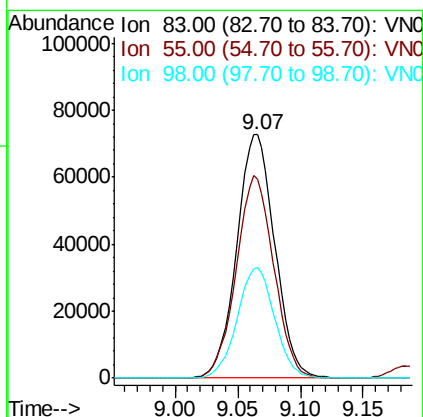
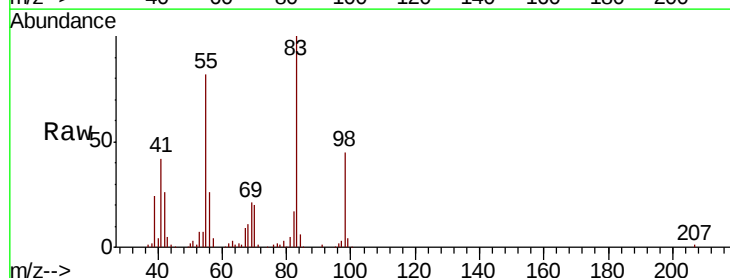
Tgt Ion: 83 Resp: 153044

Ion Ratio Lower Upper

83 100

55 82.3 40.4 121.1

98 44.7 21.6 65.0





#39

1,2-Dichloropropane

Concen: 21.776 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 63 Resp: 114751

Ion Ratio Lower Upper

63 100

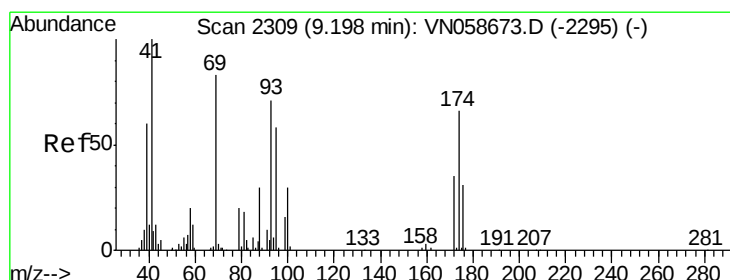
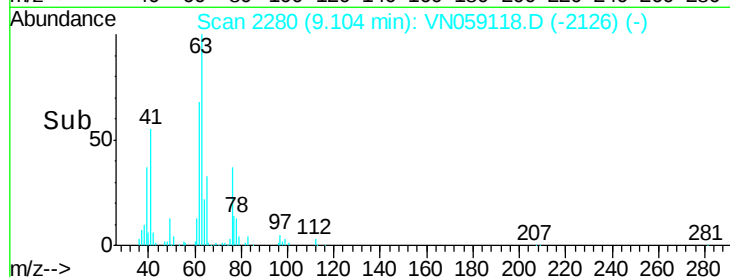
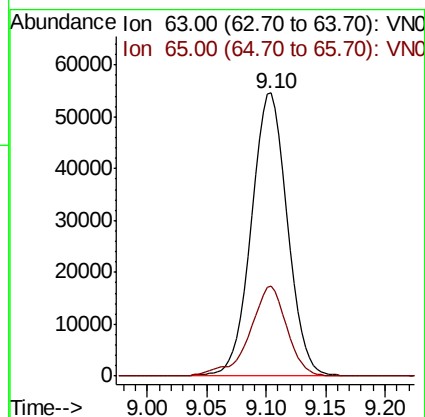
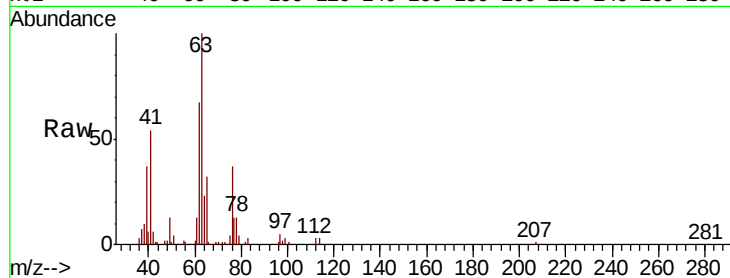
65 32.0 23.8 35.6

Manual Integrations

APPROVED

MMDadoda

11/8/2019 9:39:11 AM



#40

Dibromomethane

Concen: 20.660 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

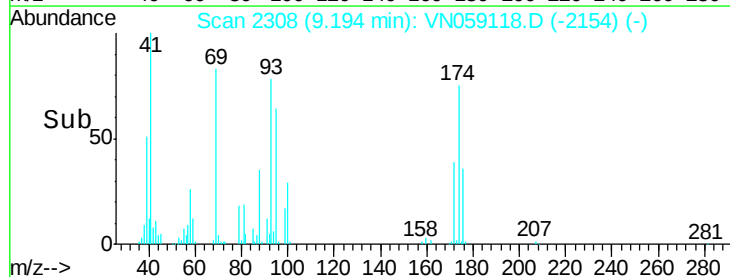
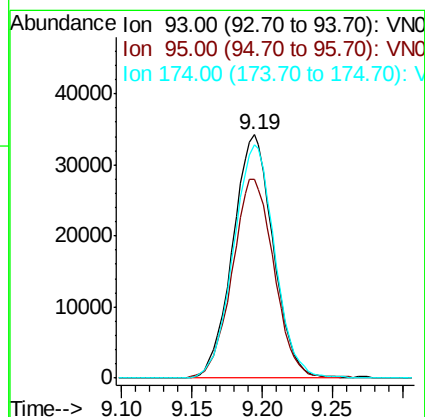
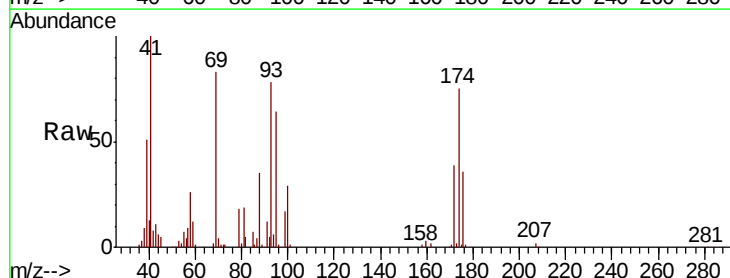
Tgt Ion: 93 Resp: 68727

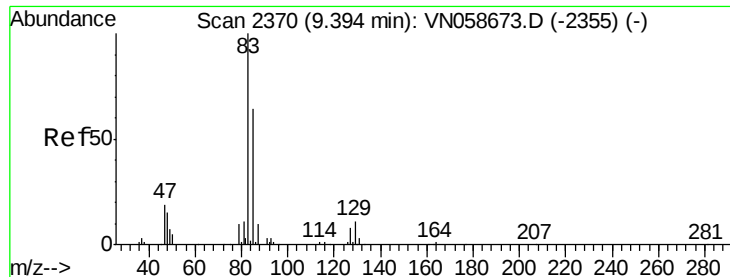
Ion Ratio Lower Upper

93 100

95 84.5 0.0 167.6

174 97.7 0.0 187.2





#41

Bromodichloromethane

Concen: 20.833 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

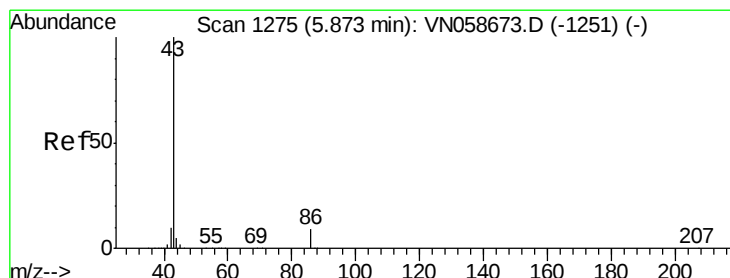
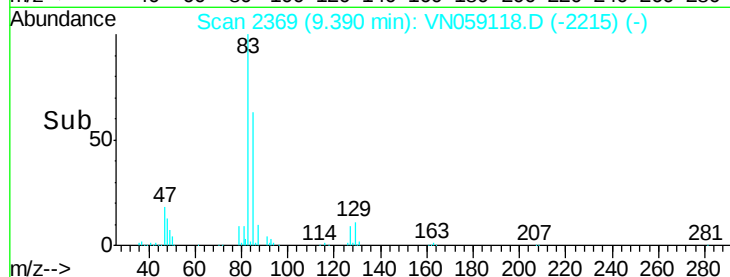
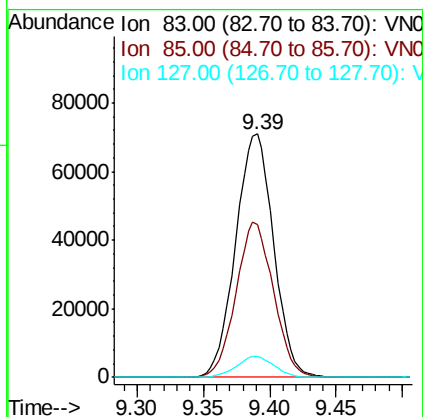
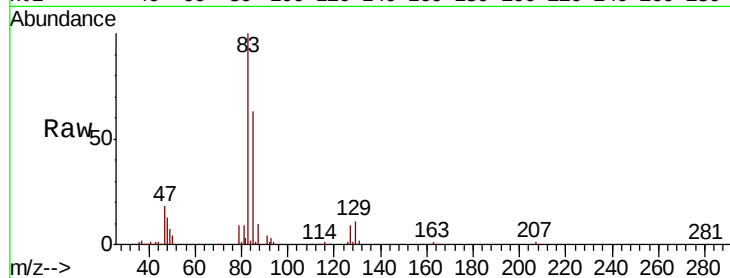
ClientSampleId :

VN1107WBSD01

Tot Ion:	83	Resp:	141581
Ion Ratio	Lower	Upper	
83	100		
85	62.7	51.0	76.4
127	8.7	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM



#42

Vinyl Acetate

Concen: 108.421 ug/l

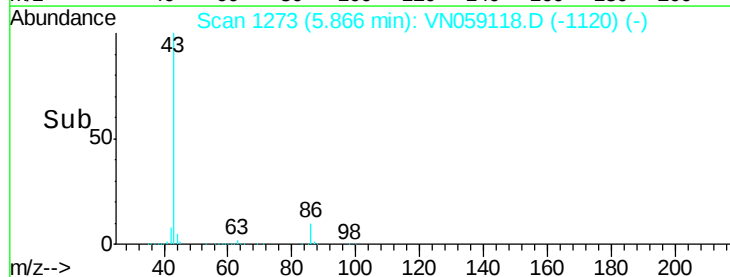
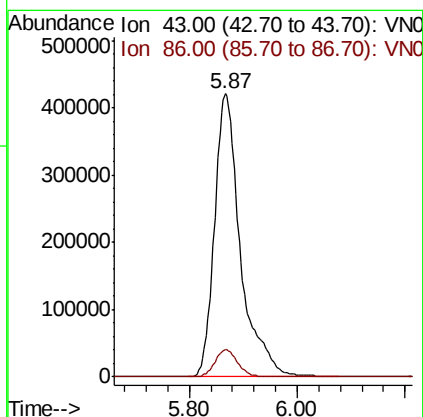
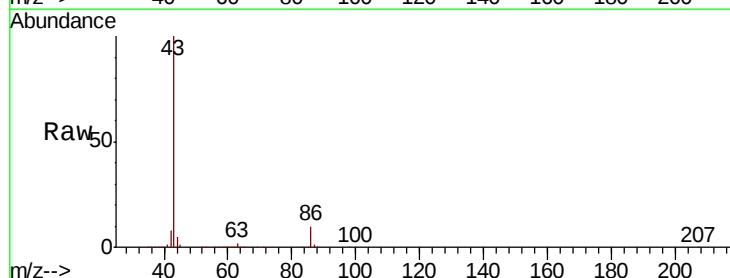
RT: 5.87 min Scan# 1273

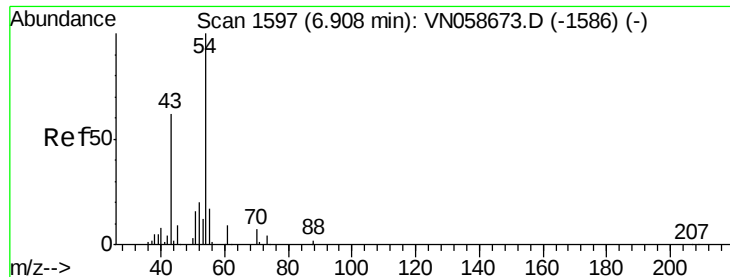
Delta R.T. -0.01 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Tgt Ion:	43	Resp:	1405439
Ion Ratio	Lower	Upper	
43	100		
86	8.5	6.5	9.7





#43

Ethyl Acetate

Concen: 21.104 ug/l

RT: 6.90 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 43 Resp: 153315

Ion Ratio Lower Upper

43 100

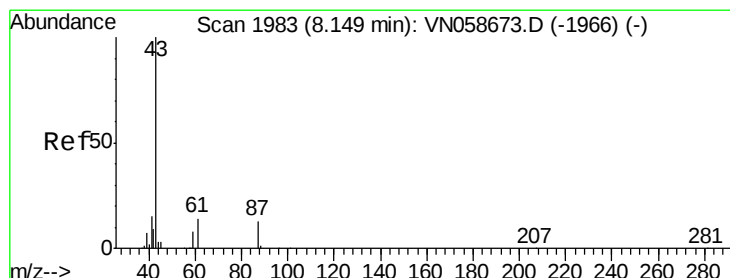
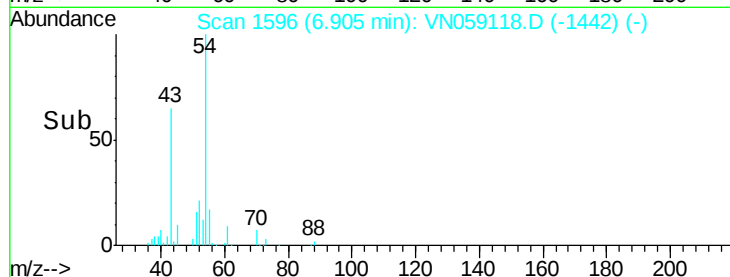
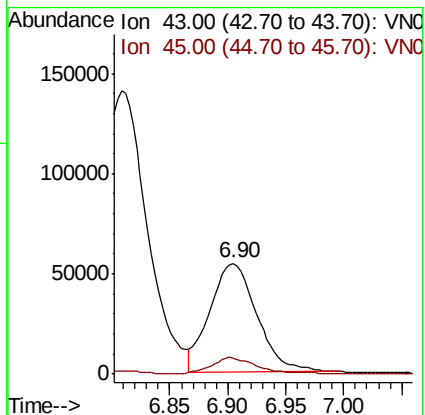
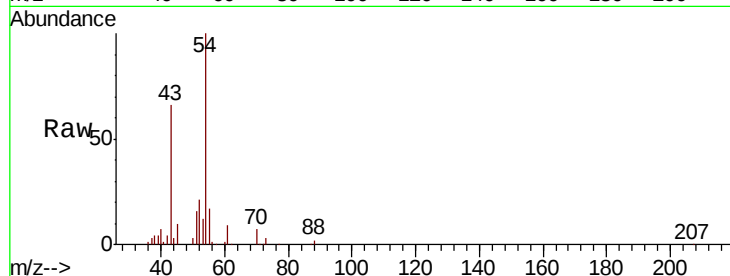
45 13.4 9.7 14.5

Manual Integrations

APPROVED

MMDadoda

11/8/2019 9:39:11 AM



#44

Isopropyl Acetate

Concen: 20.632 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN059118.D

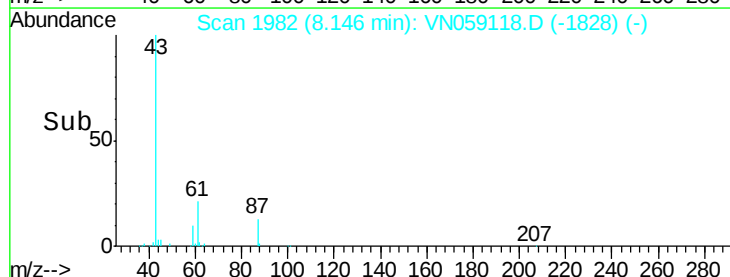
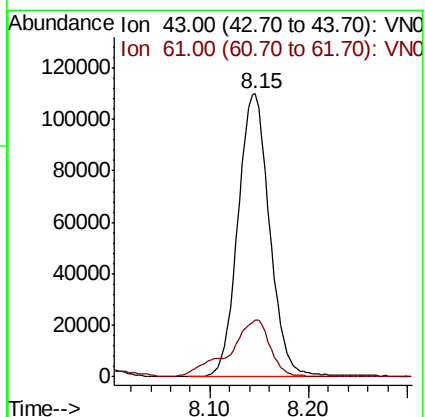
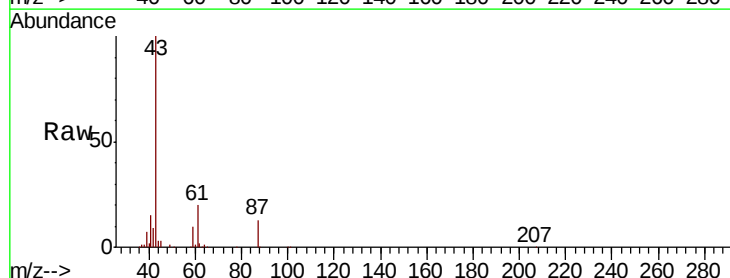
Acq: 7 Nov 2019 13:42

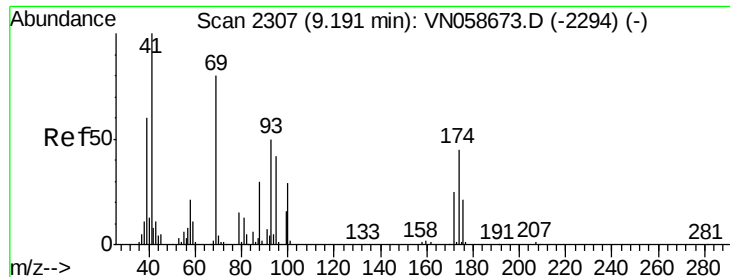
Tgt Ion: 43 Resp: 242790

Ion Ratio Lower Upper

43 100

61 20.5 19.9 29.9





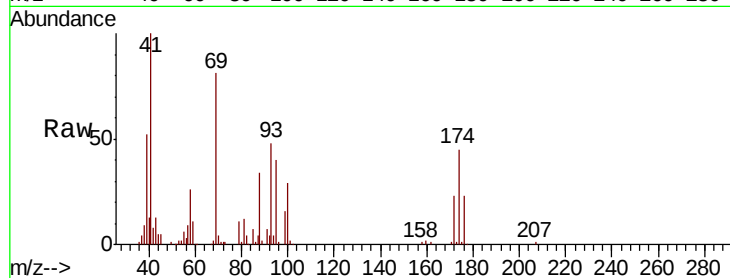
#45
 1,4-Dioxane
 Concen: 450.504 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	29.8	44.8
58	74.7	58.2	87.4

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 9:39:11 AM

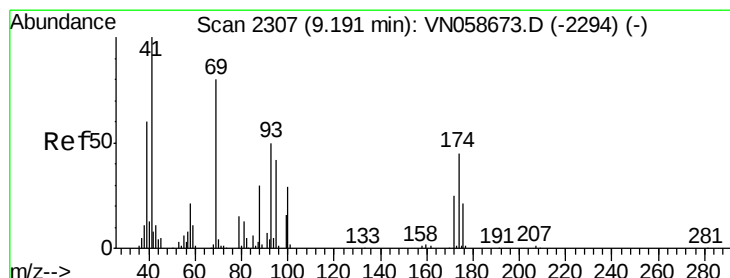
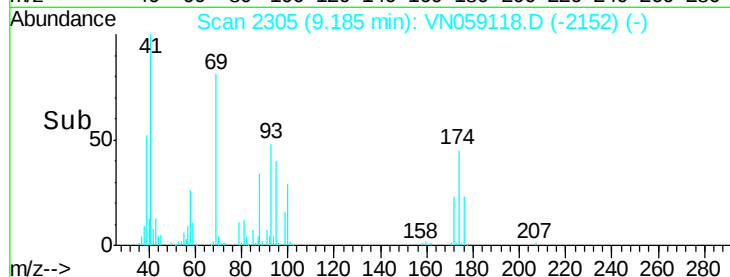
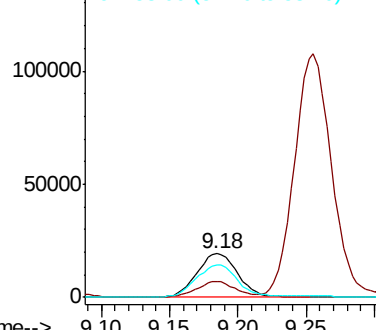


Abundance

Ion 88.00 (87.70 to 88.70): VNC

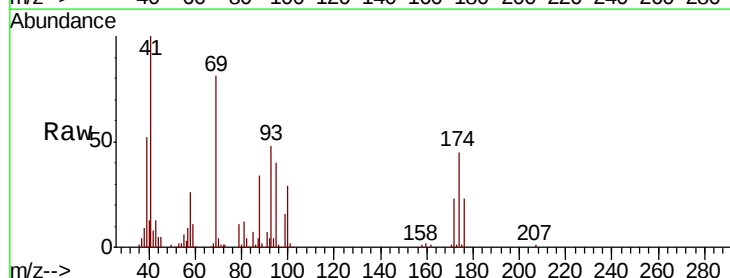
Ion 43.00 (42.70 to 43.70): VNC

Ion 58.00 (57.70 to 58.70): VNC



#46
 Methyl methacrylate
 Concen: 19.528 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.8	40.2	120.5
39	51.8	29.9	89.8

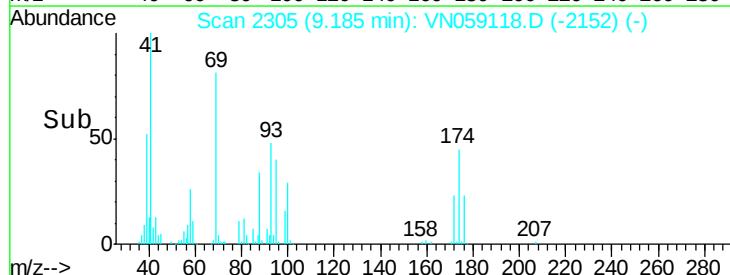
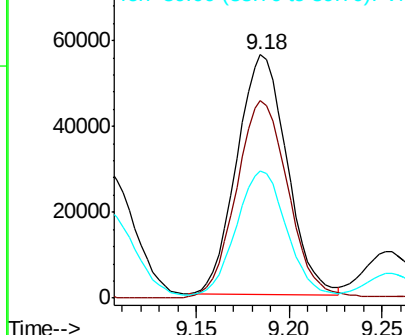


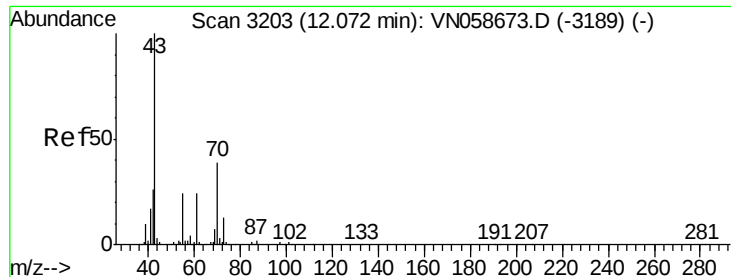
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





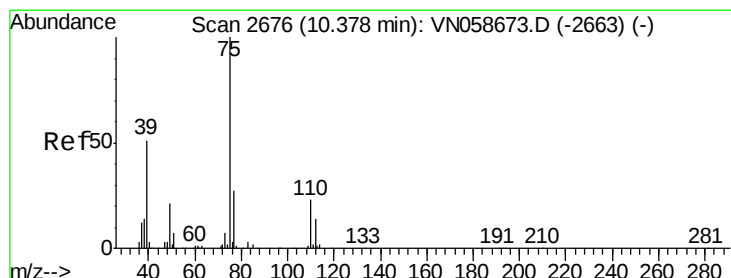
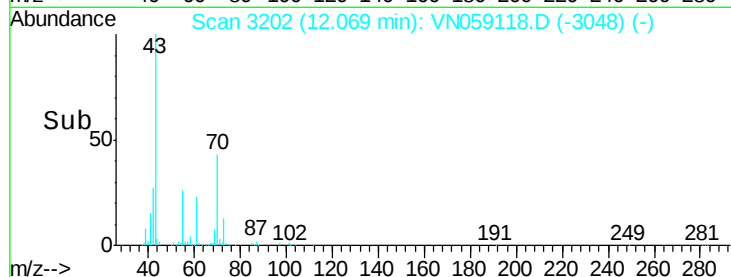
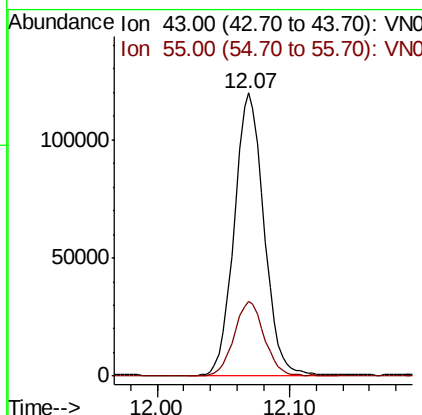
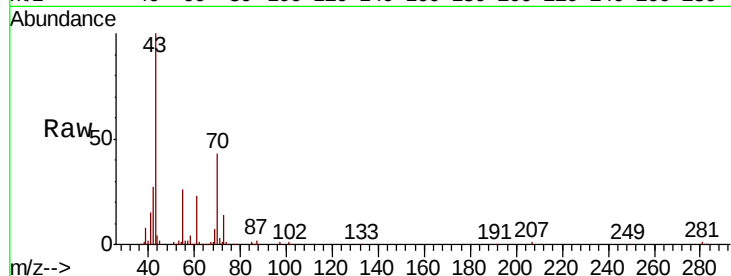
#47
n-amvl Acetate
Concen: 17.800 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion: 43 Resp: 185678
Ion Ratio Lower Upper
43 100
55 26.9 19.6 29.4

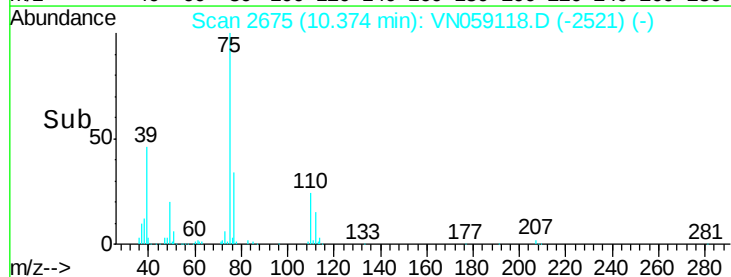
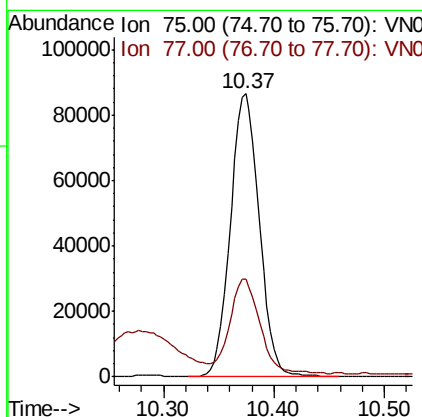
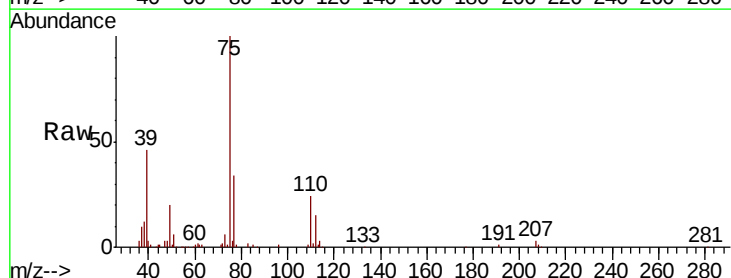
Manual Integrations
APPROVED

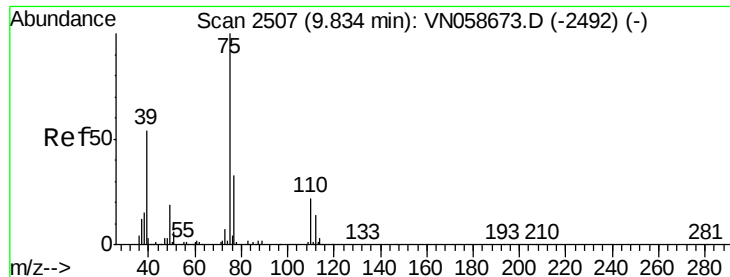
MMDadoda
11/8/2019 9:39:11 AM



#48
t-1,3-Dichloropropene
Concen: 19.997 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion: 75 Resp: 157616
Ion Ratio Lower Upper
75 100
77 33.0 27.0 40.4





#49

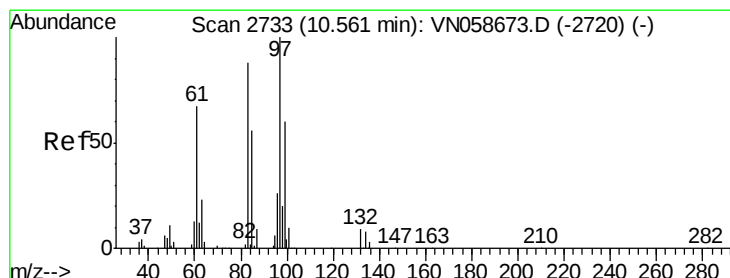
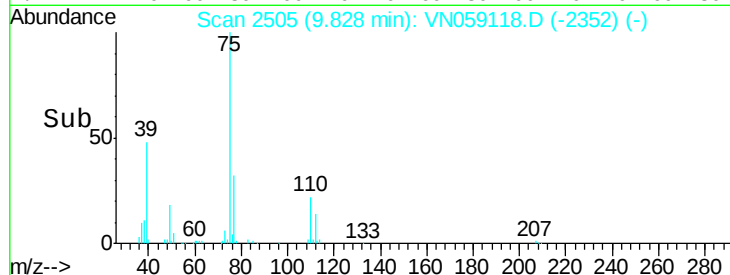
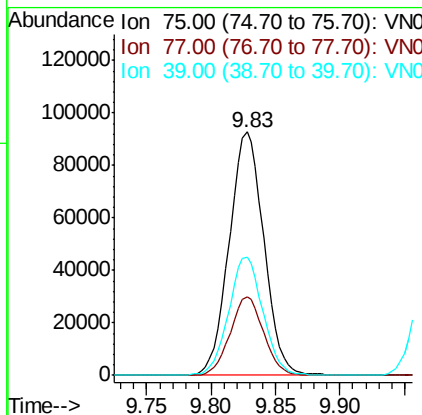
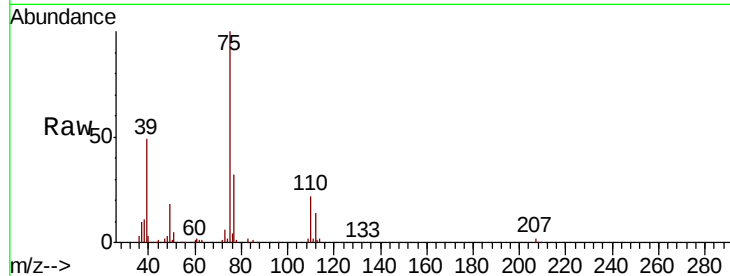
cis-1,3-Dichloropropene
Concen: 20.934 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.1	39.1
39	48.7	43.1	64.7

Manual Integrations
APPROVED

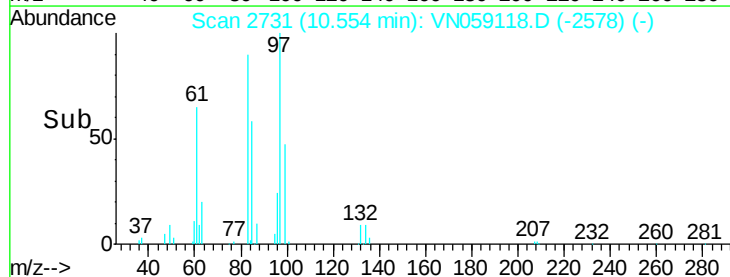
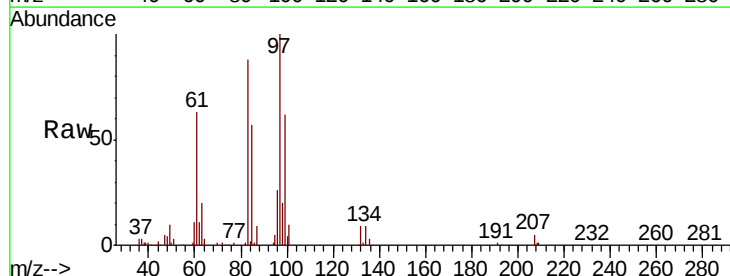
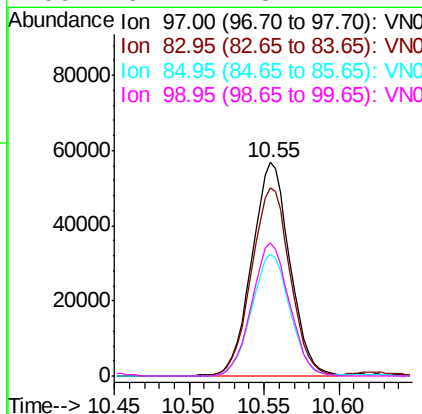
MMDadoda
11/8/2019 9:39:11 AM

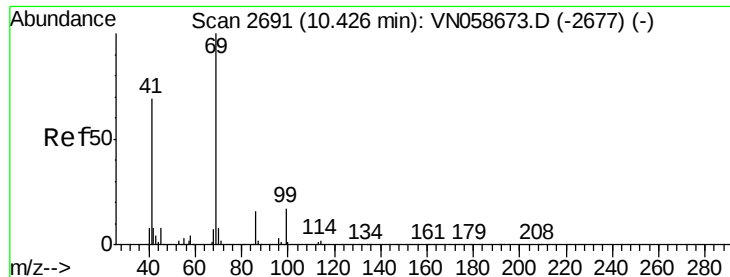


#50

1,1,2-Trichloroethane
Concen: 21.123 ug/l
RT: 10.55 min Scan# 2731
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.7	106.1
85	57.0	45.1	67.7
99	62.2	48.2	72.4





#51

Ethyl methacrylate

Concen: 19.714 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.01 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

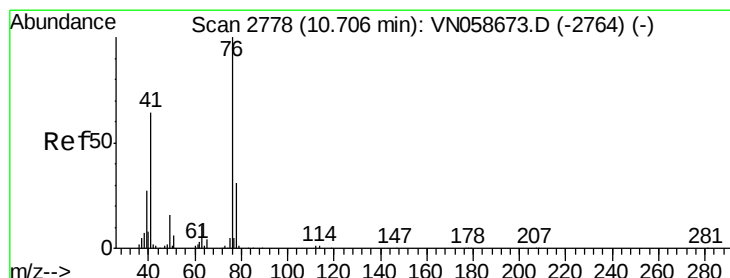
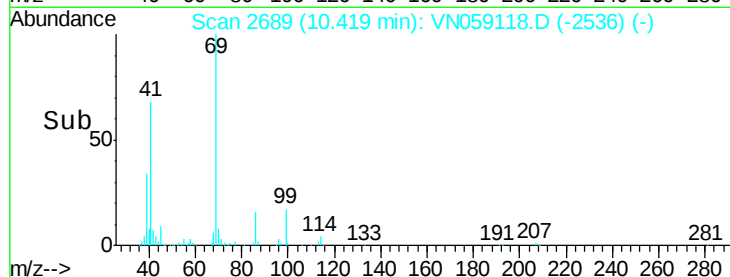
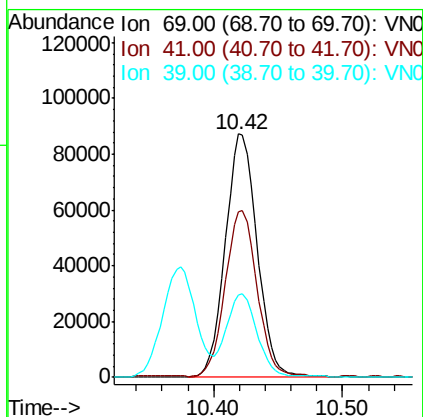
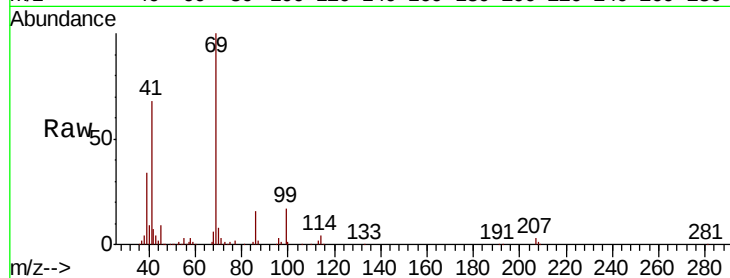
ClientSampleId :

VN1107WBSD01

Tot Ion:	69	Resp:	149706
Ion	Ratio	Lower	Upper
69	100		
41	67.7	34.7	104.1
39	33.7	20.3	60.8

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM



#52

1,3-Dichloropropane

Concen: 20.633 ug/l

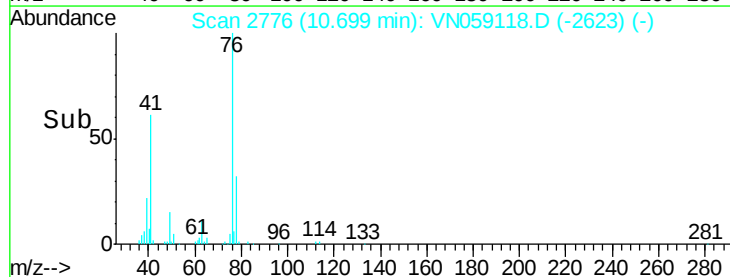
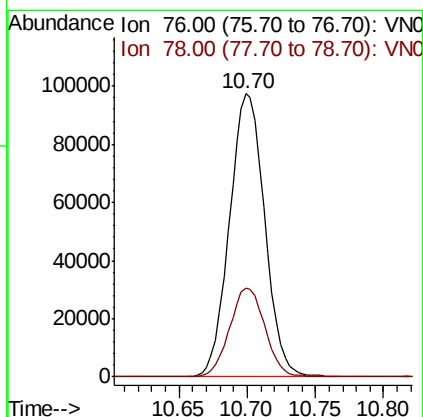
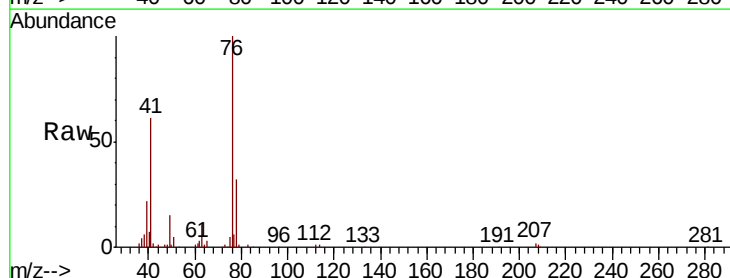
RT: 10.70 min Scan# 2776

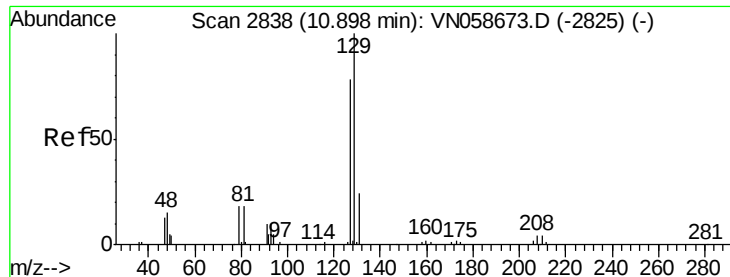
Delta R.T. -0.01 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Tgt Ion:	76	Resp:	174506
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	63.2





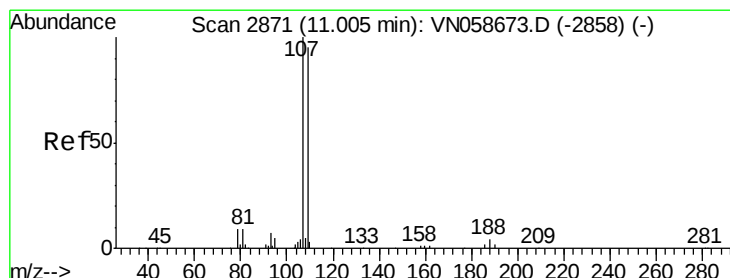
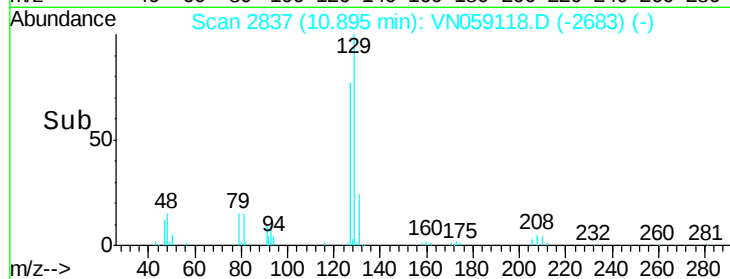
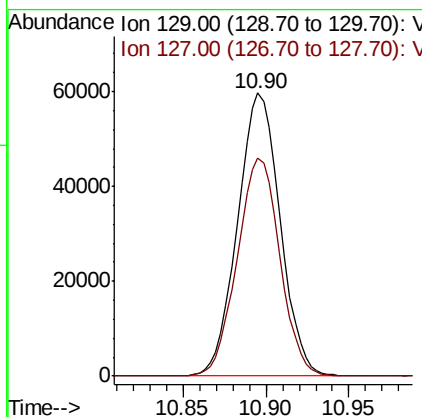
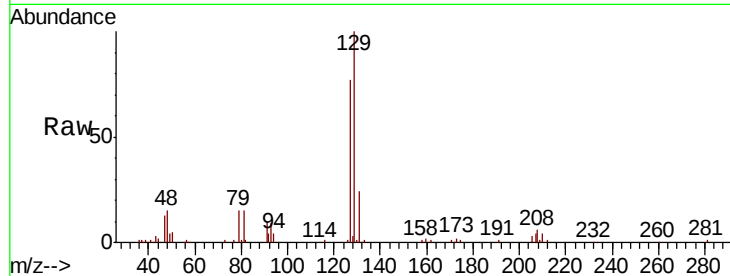
#53
 Dibromochloromethane
 Concen: 20.895 ug/l
 RT: 10.90 min Scan# 2837
 Delta R.T. -0.00 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.0	39.1	117.5	

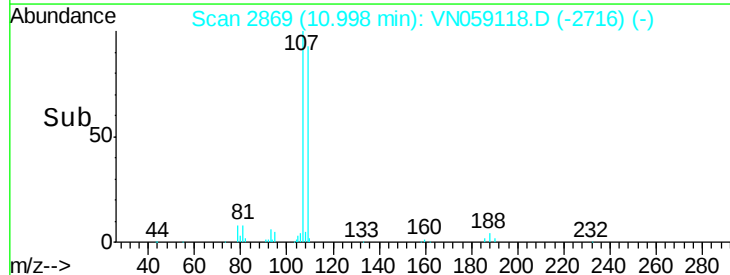
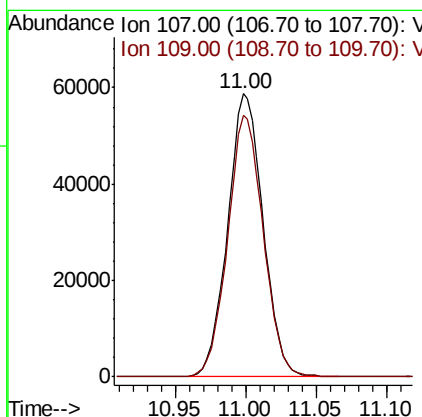
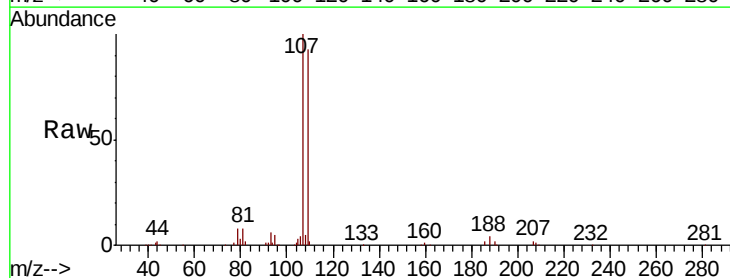
Manual Integrations
 APPROVED

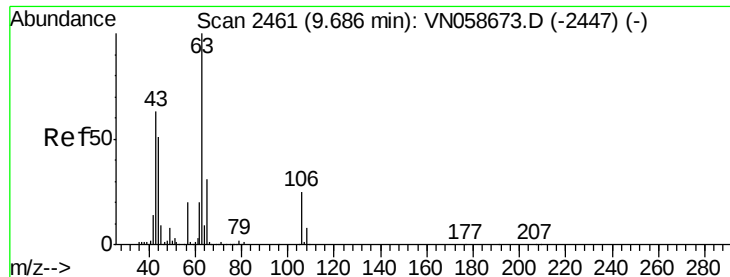
MMDadoda
 11/8/2019 9:39:11 AM



#54
 1,2-Dibromoethane
 Concen: 20.929 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.01 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	93.0	76.2	114.4	





#55

2-Chloroethyl vinyl ether

Concen: 90.040 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 63 Resp: 340113

Ion Ratio Lower Upper

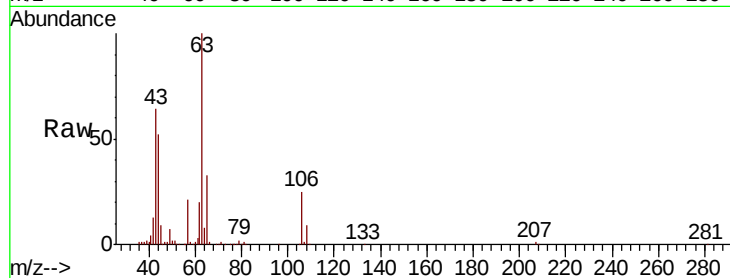
63 100

65 32.3 25.3 37.9

106 25.2 19.8 29.6

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM



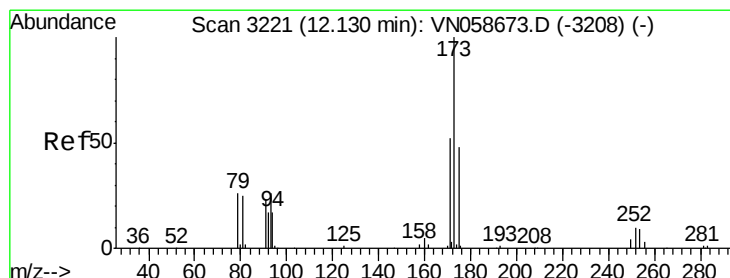
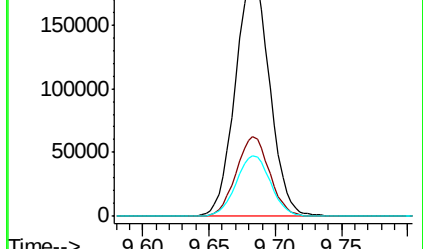
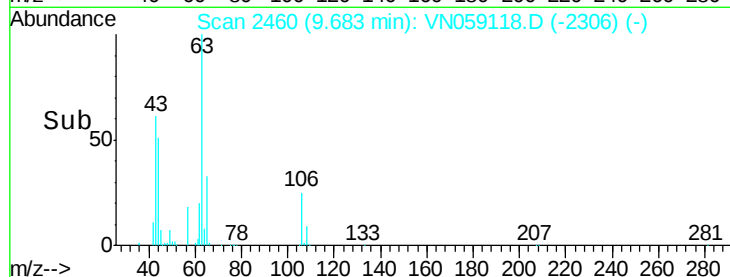
Abundance

Ion 63.00 (62.70 to 63.70): VN059118.D (-2306) (-)

Ion 65.00 (64.70 to 65.70): VN059118.D (-2306) (-)

Ion 106.00 (105.70 to 106.70): VN059118.D (-2306) (-)

Time-->



#56

Bromoform

Concen: 20.946 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

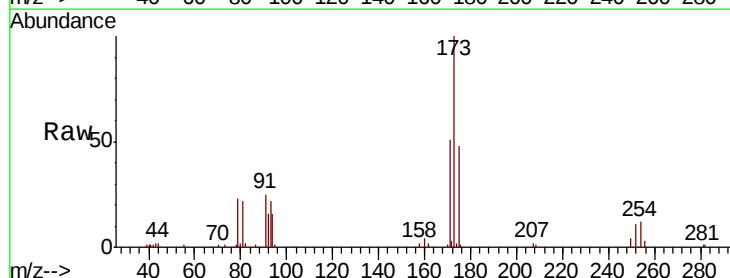
Tgt Ion: 173 Resp: 74365

Ion Ratio Lower Upper

173 100

175 48.1 38.7 58.1

254 10.8 7.4 11.2



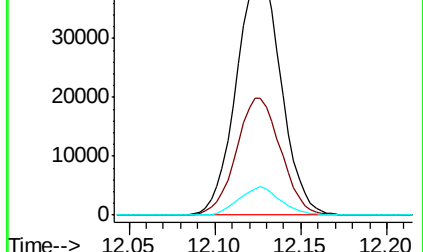
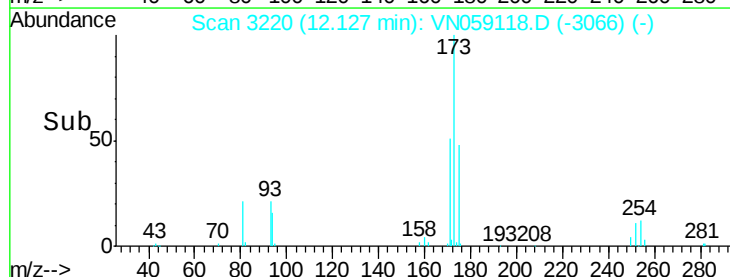
Abundance

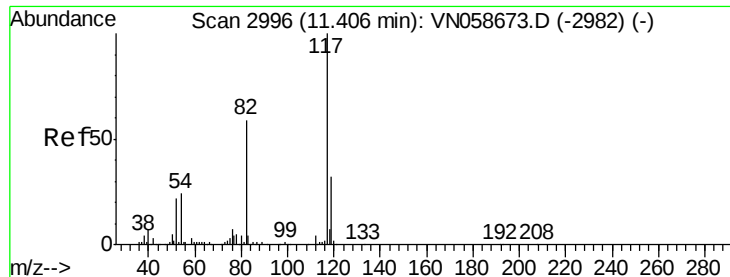
Ion 173.00 (172.70 to 173.70): VN059118.D (-3066) (-)

Ion 175.00 (174.70 to 175.70): VN059118.D (-3066) (-)

Ion 254.00 (253.70 to 254.70): VN059118.D (-3066) (-)

Time-->





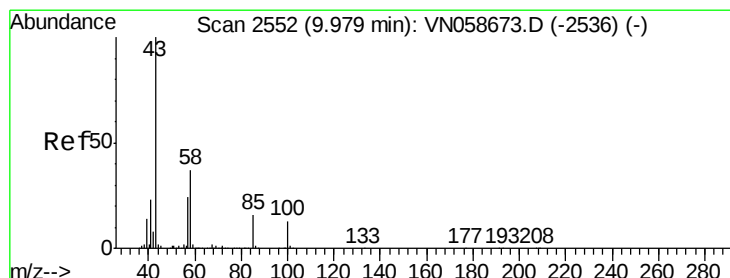
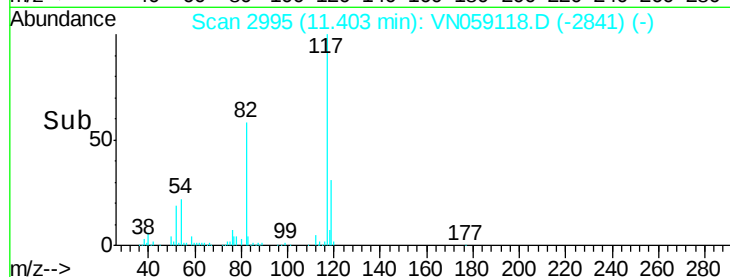
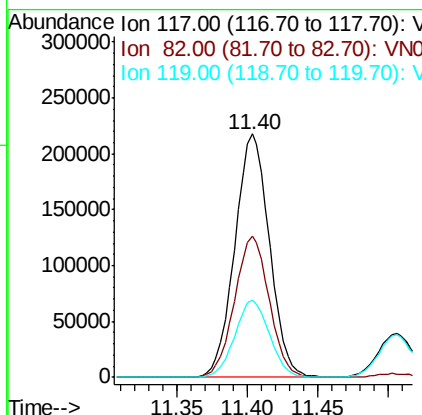
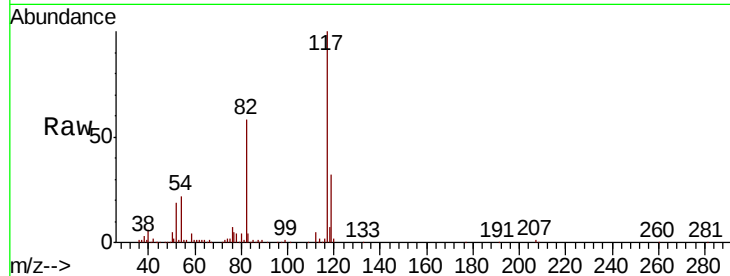
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.9	70.3
119	31.9	25.8	38.6

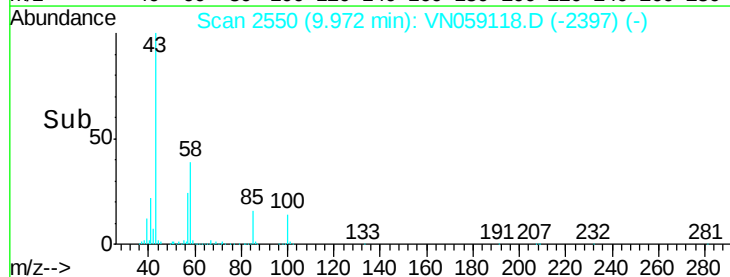
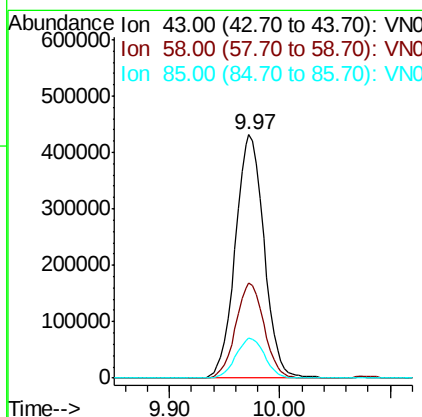
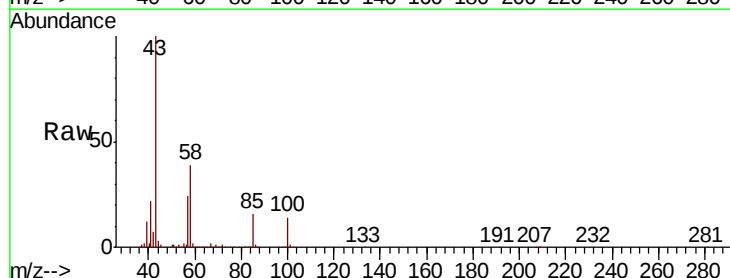
Manual Integrations
APPROVED

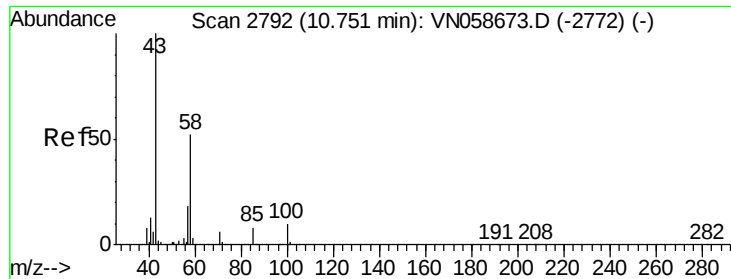
MMDadoda
11/8/2019 9:39:11 AM



#58
4-Methyl-2-Pentanone
Concen: 113.735 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.1	45.1
85	16.5	13.2	19.8





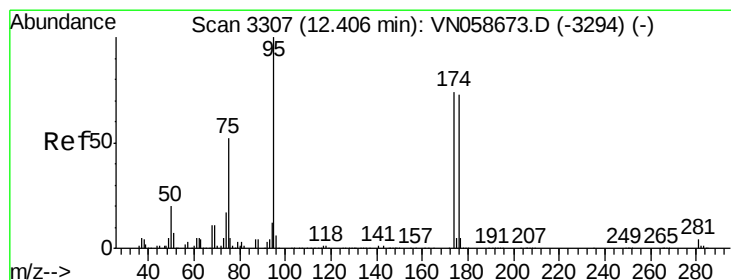
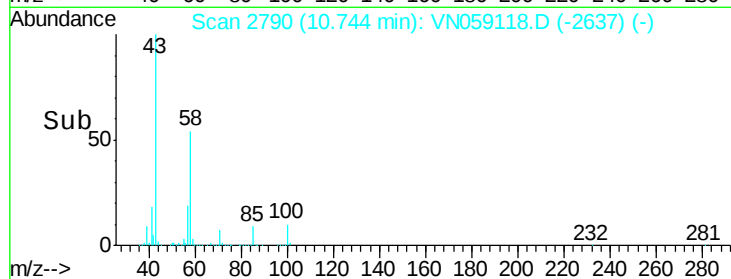
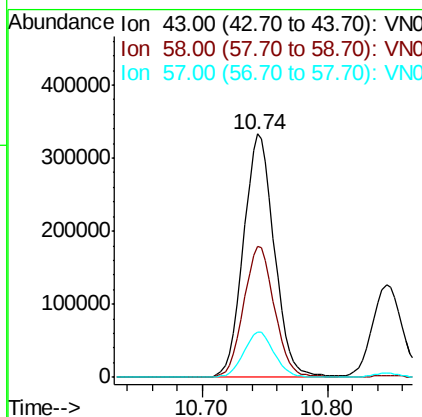
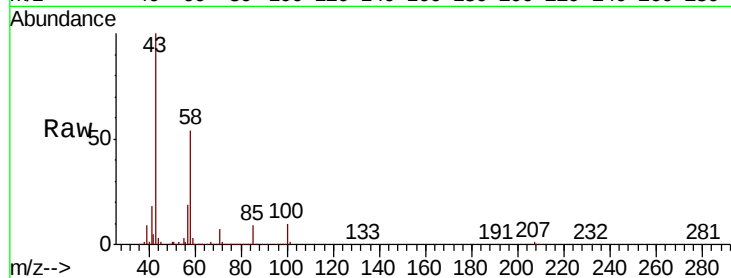
#59
2-Hexanone
Concen: 105.920 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	41.4	62.0
57	18.5	14.7	22.1

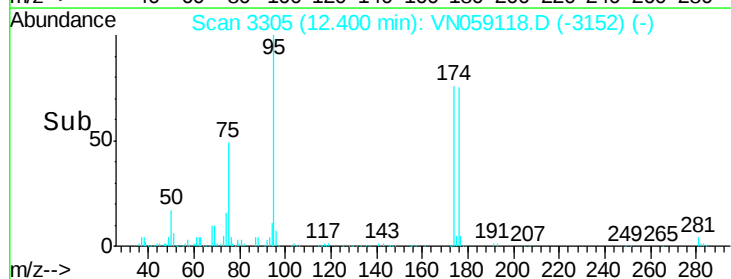
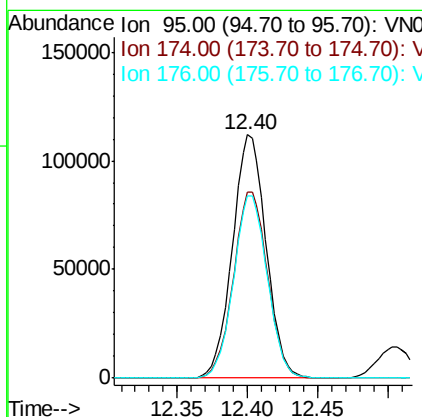
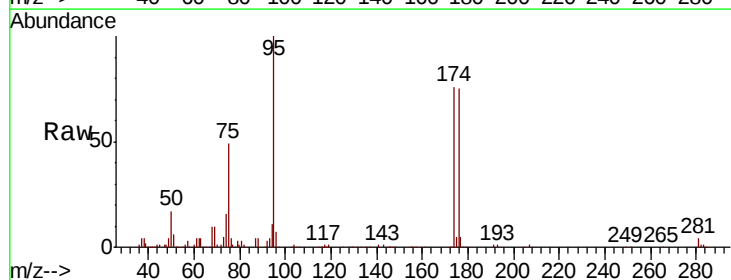
Manual Integrations
APPROVED

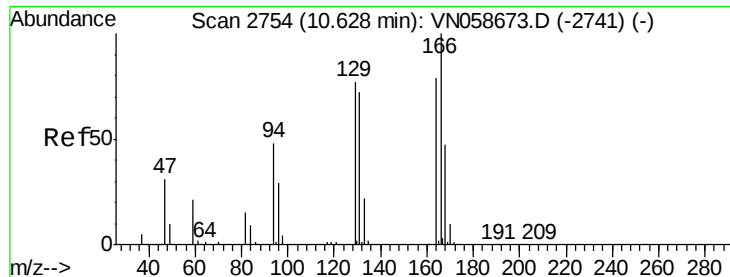
MMDadoda
11/8/2019 9:39:11 AM



#60
4-Bromofluorobenzene
Concen: 28.603 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	59.9	89.9
176	75.3	58.3	87.5





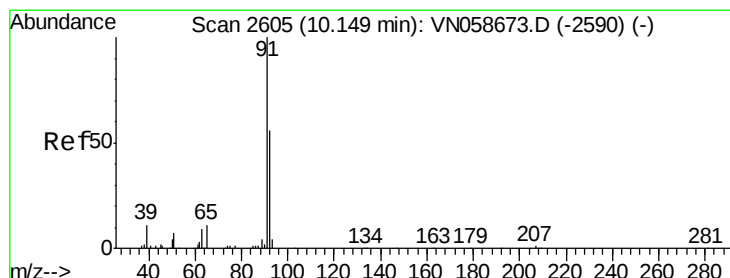
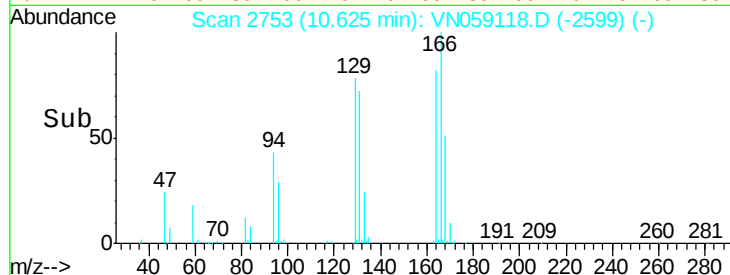
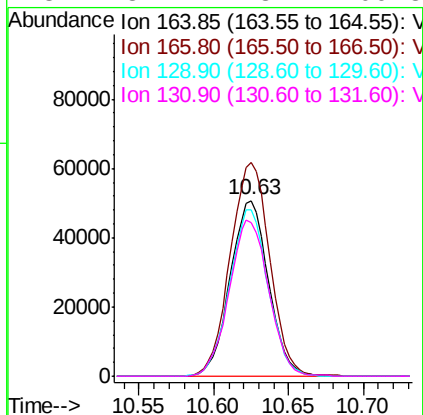
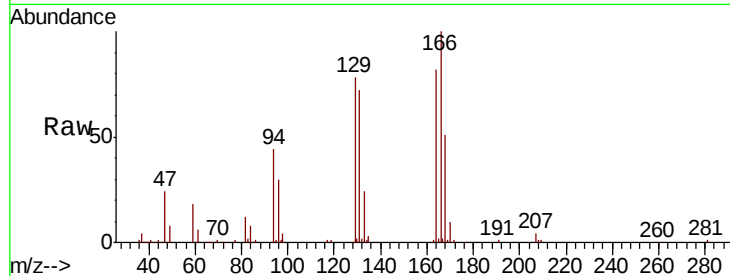
#61
Tetrachloroethene
Concen: 22.383 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.1	101.4	152.2
129	95.0	78.1	117.1
131	87.7	73.2	109.8

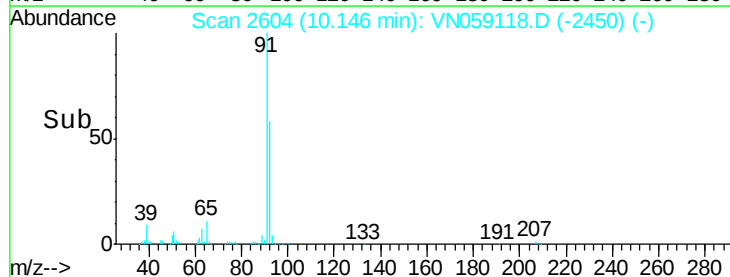
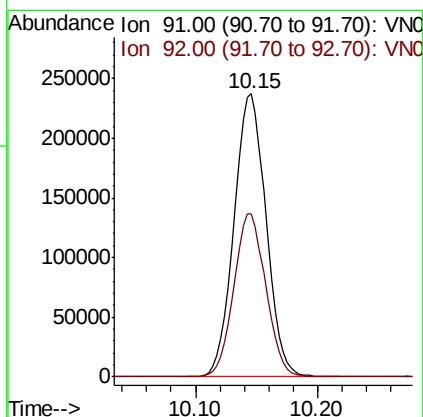
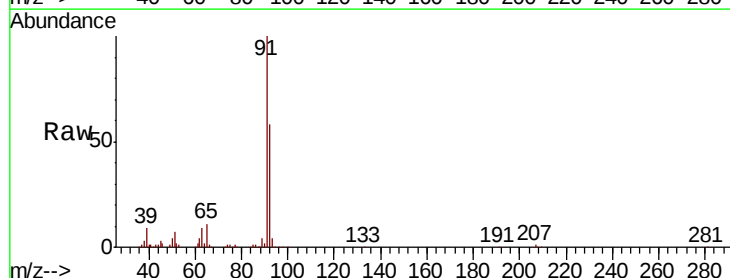
Manual Integrations
APPROVED

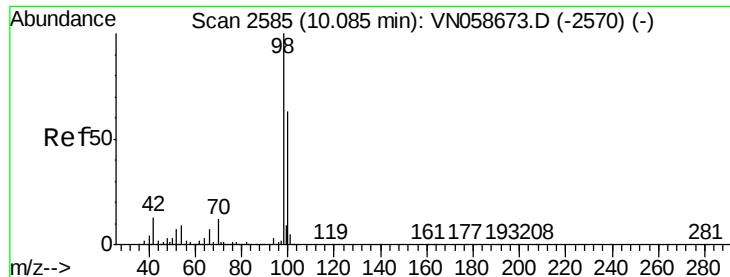
MMDadoda
11/8/2019 9:39:11 AM



#62
Toluene
Concen: 21.409 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	45.4	68.2





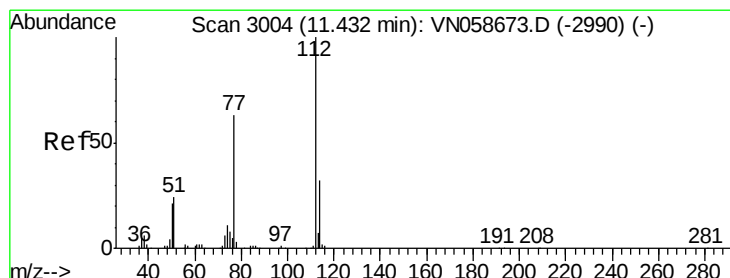
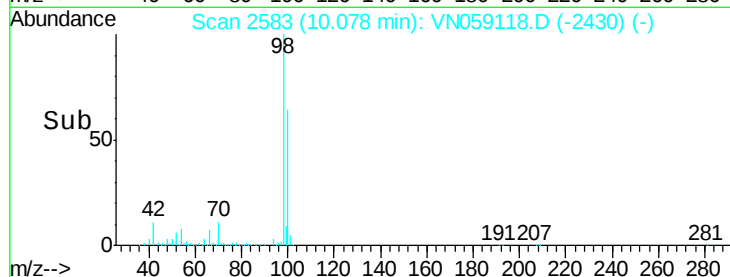
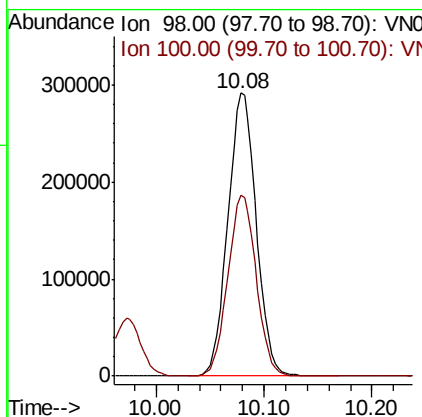
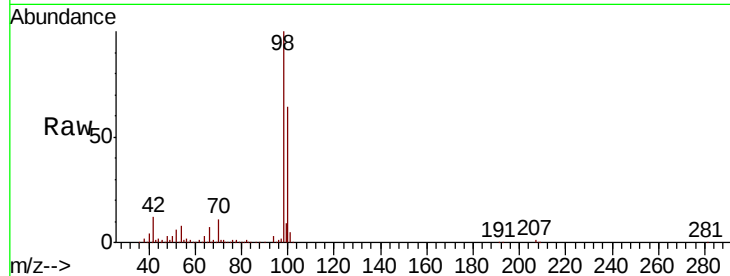
#63
Toluene-d8
Concen: 30.220 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion: 98 Resp: 534474
Ion Ratio Lower Upper
98 100
100 64.3 50.6 75.8

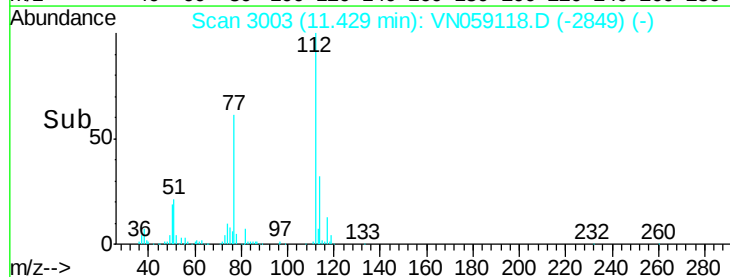
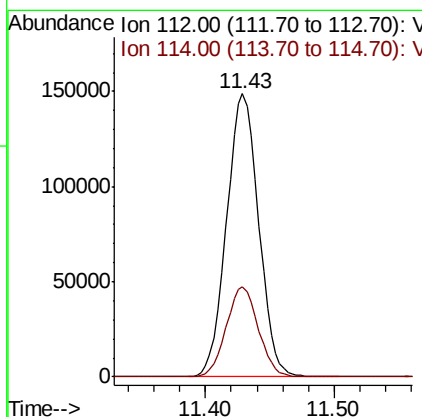
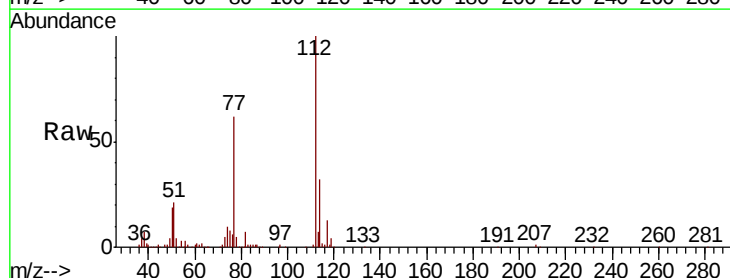
Manual Integrations
APPROVED

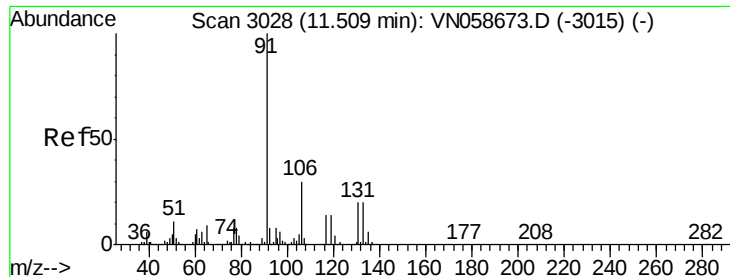
MMDadoda
11/8/2019 9:39:11 AM



#64
Chlorobenzene
Concen: 20.806 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion: 112 Resp: 256303
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 21.470 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

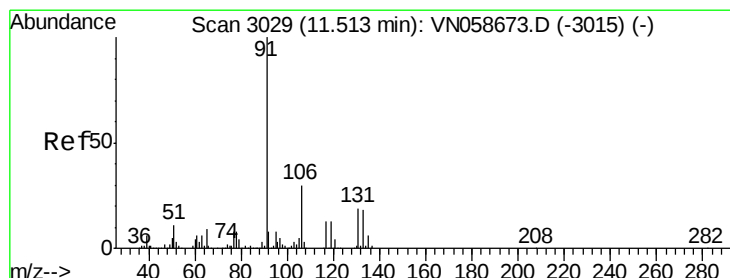
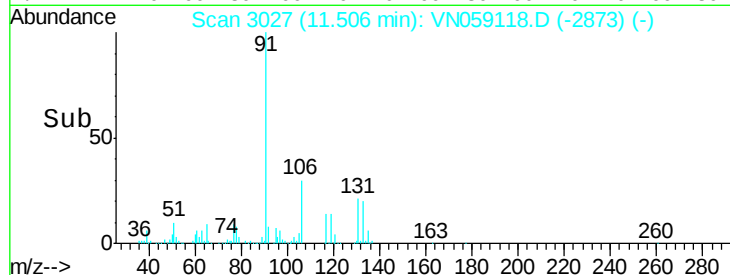
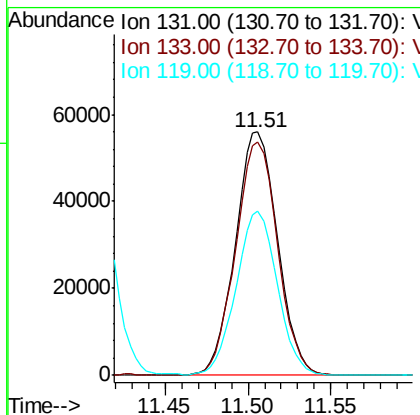
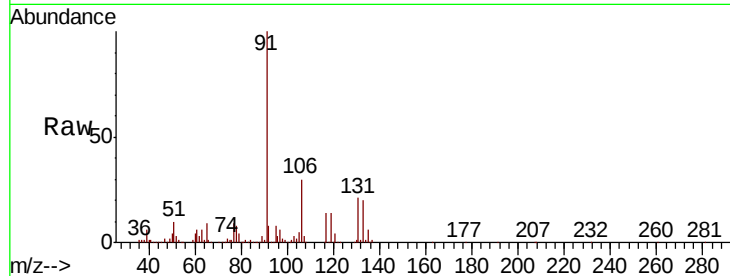
ClientSampleId :

VN1107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	99169		
133	94.9	0.0	194.0	
119	65.9	0.0	136.8	

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM



#66

Ethyl Benzene

Concen: 20.575 ug/l

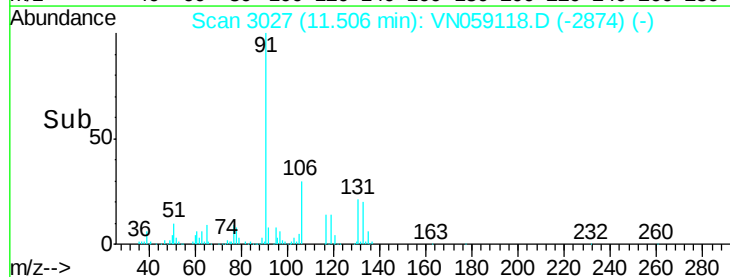
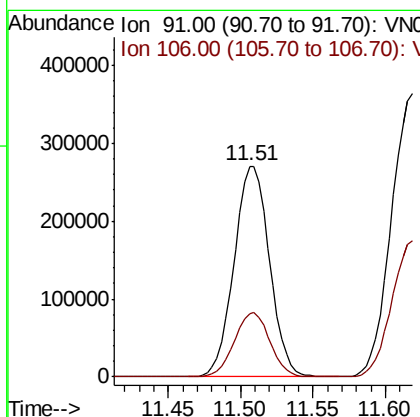
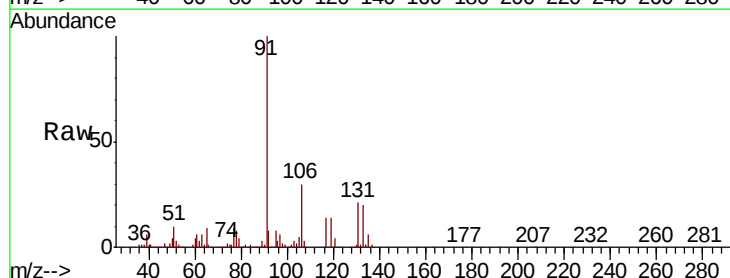
RT: 11.51 min Scan# 3027

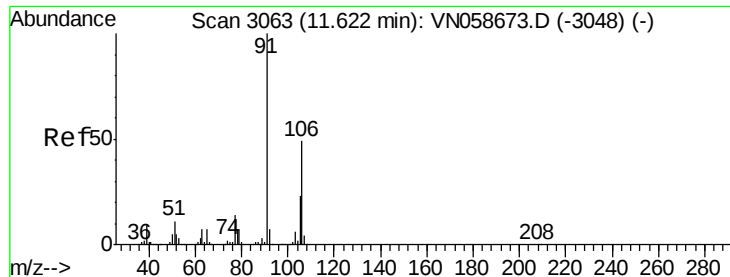
Delta R.T. -0.01 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	459043		
106	30.1	24.2	36.4	





#67

m/p-Xylenes

Concen: 40.686 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion:106 Resp: 339130

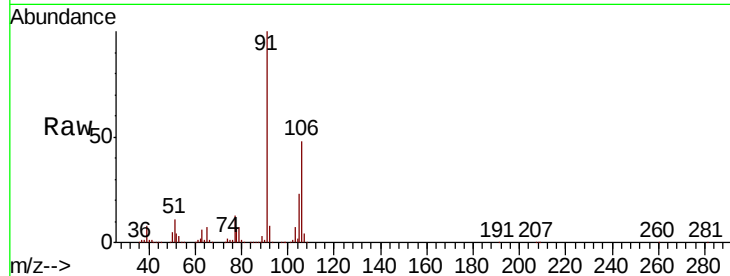
Ion Ratio Lower Upper

106 100

91 209.1 165.6 248.4

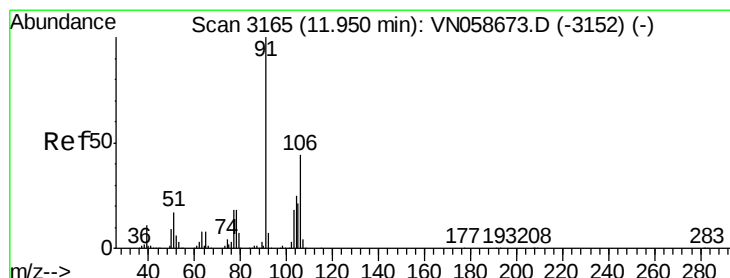
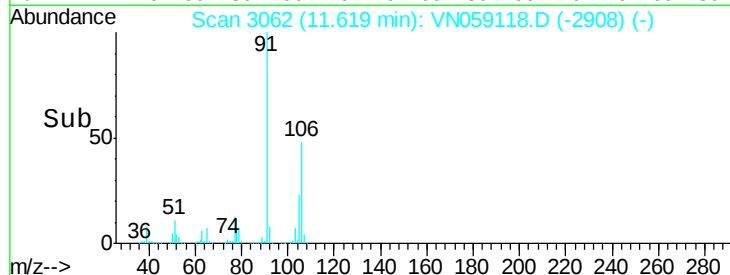
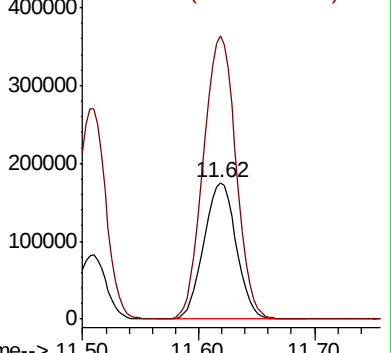
Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.515 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059118.D

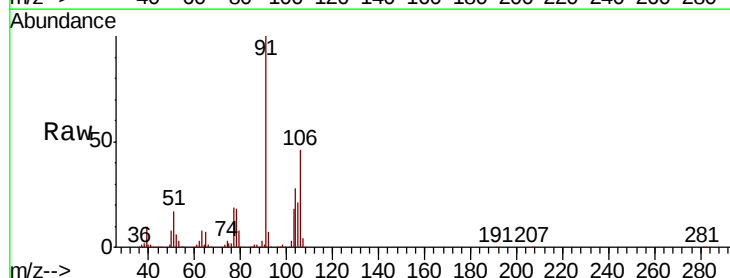
Acq: 7 Nov 2019 13:42

Tgt Ion:106 Resp: 165768

Ion Ratio Lower Upper

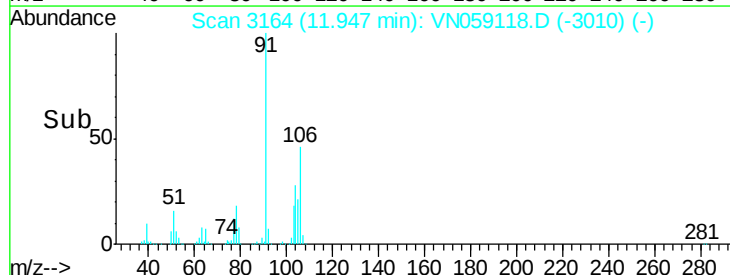
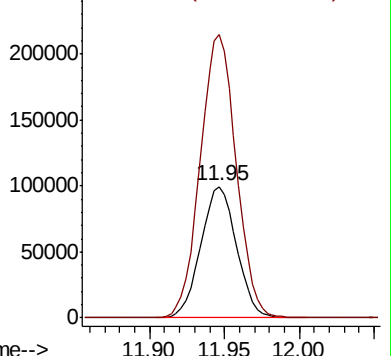
106 100

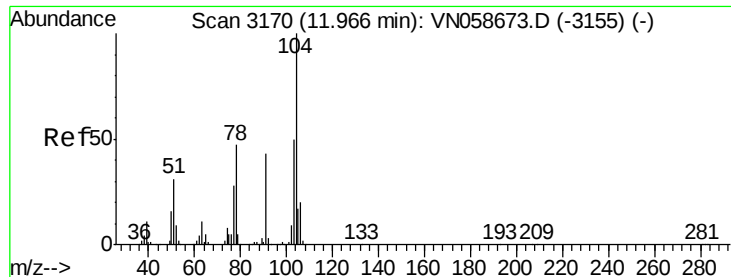
91 216.7 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





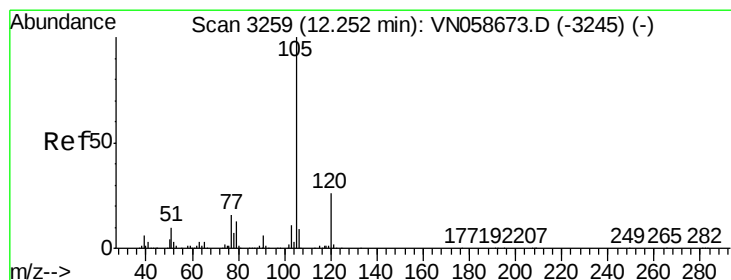
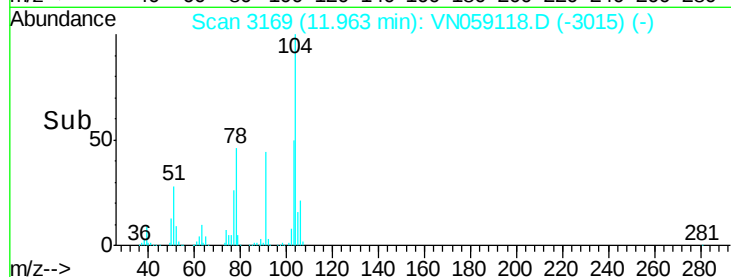
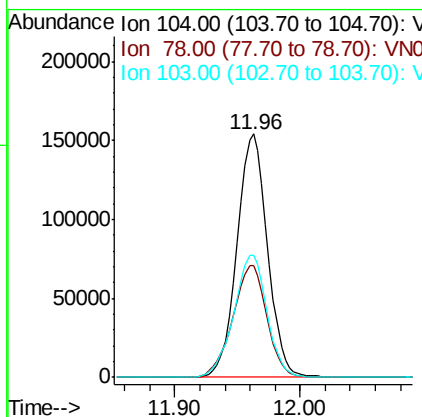
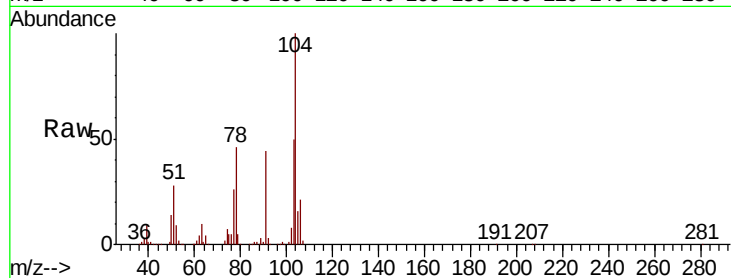
#69
Stvrene
Concen: 19.563 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.4	63.6
103	54.7	44.6	66.8

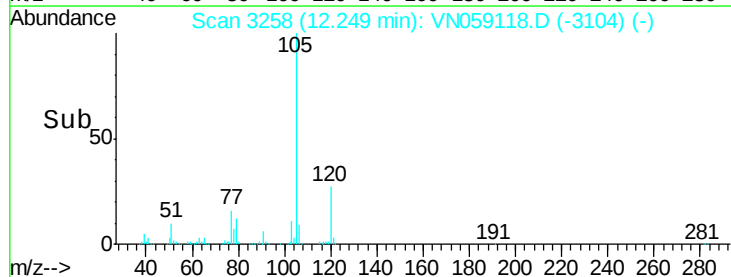
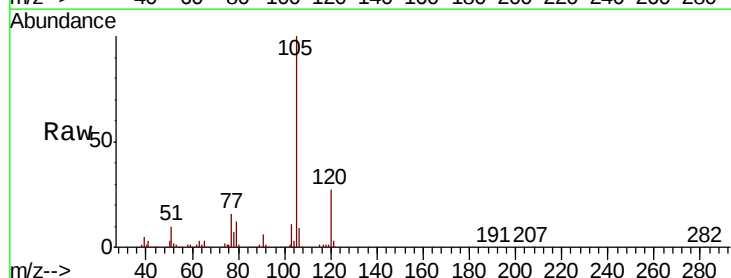
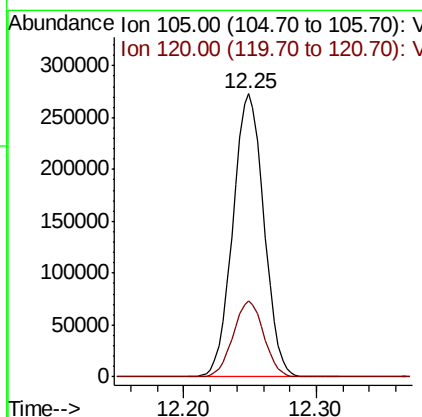
Manual Integrations
APPROVED

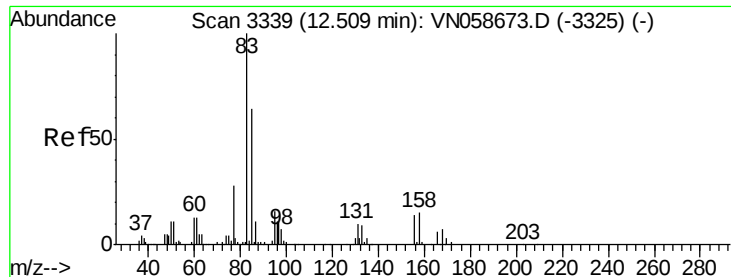
MMDadoda
11/8/2019 9:39:11 AM



#70
Isopropylbenzene
Concen: 20.339 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.4	34.2





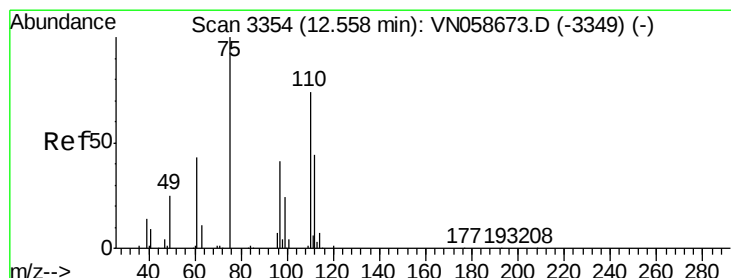
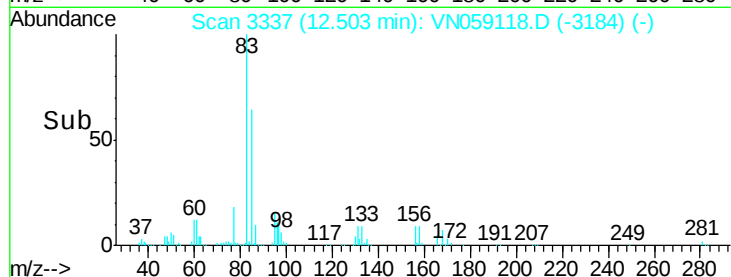
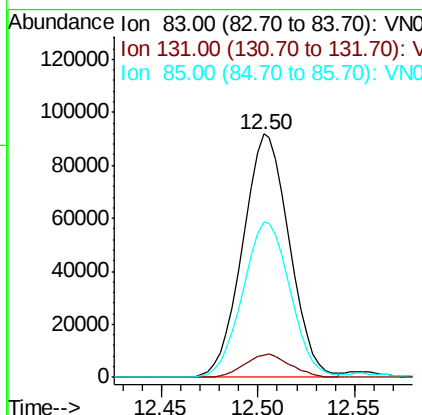
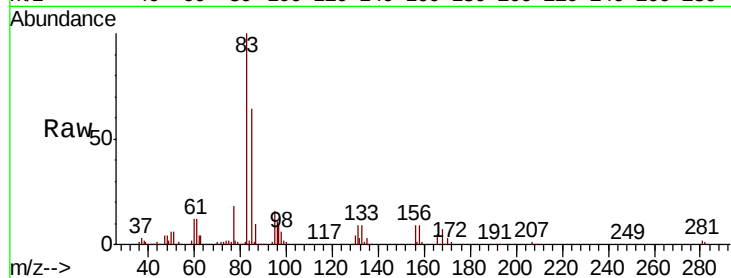
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.985 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.01 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.9	14.7
85	64.8	31.6	94.7

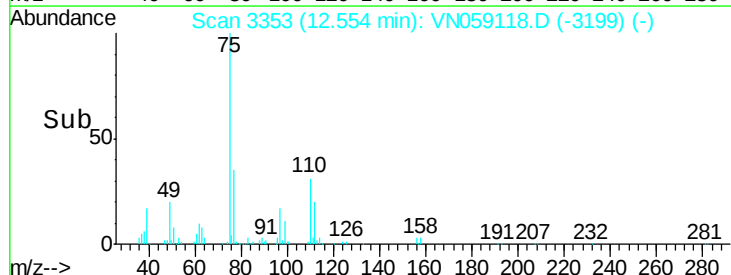
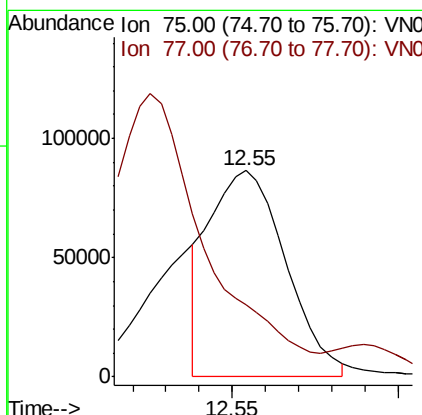
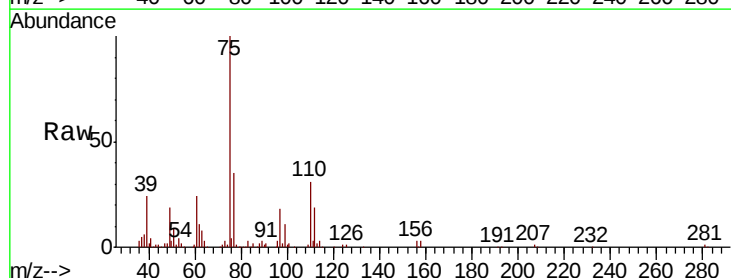
Manual Integrations
 APPROVED

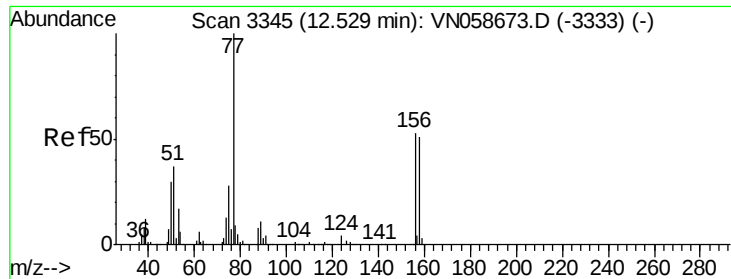
MMDadoda
 11/8/2019 9:39:11 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.713 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	178.0	0.0	359.4





#73

Bromobenzene

Concen: 19.953 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

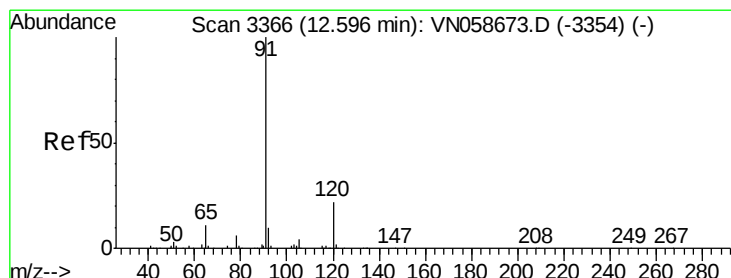
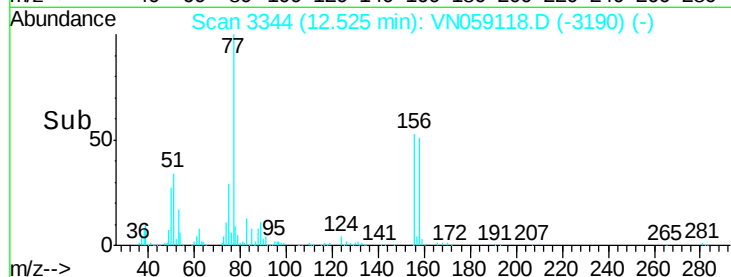
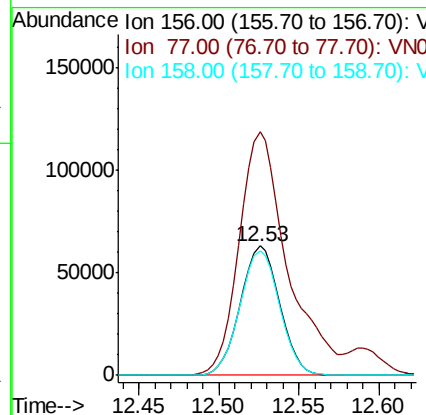
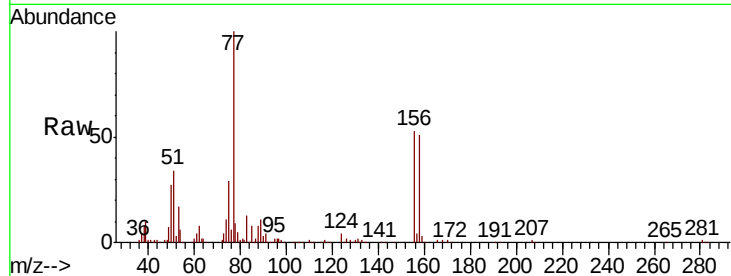
ClientSampleId :

VN1107WBSD01

Tot Ion:	156	Resp:	105731
Ion Ratio	Lower	Upper	
156	100		
77	232.1	0.0	456.0
158	97.7	0.0	195.4

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM



#74

n-propylbenzene

Concen: 19.907 ug/l

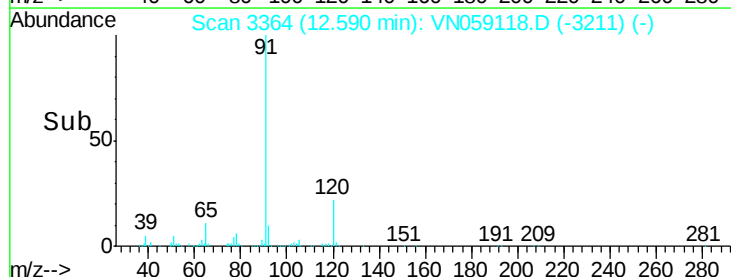
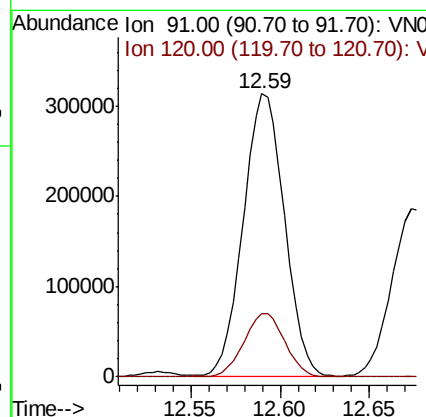
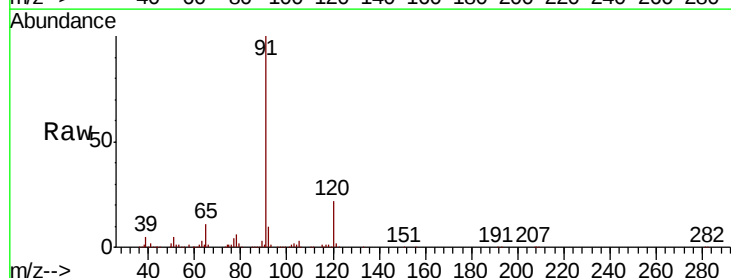
RT: 12.59 min Scan# 3364

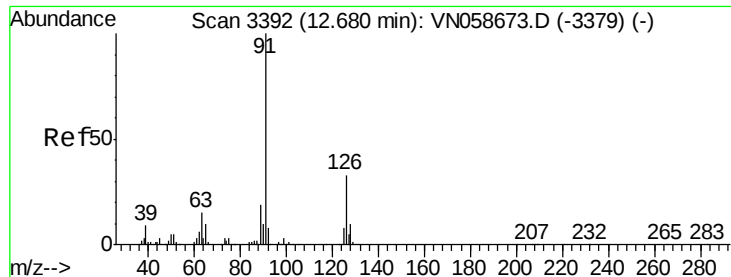
Delta R.T. -0.01 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Tgt Ion:	91	Resp:	508337
Ion Ratio	Lower	Upper	
91	100		
120	22.3	0.0	43.6





#75

2-Chlorotoluene

Concen: 20.336 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD01

Tot Ion: 91 Resp: 312443

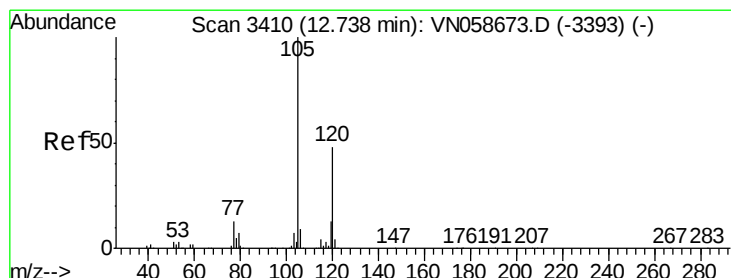
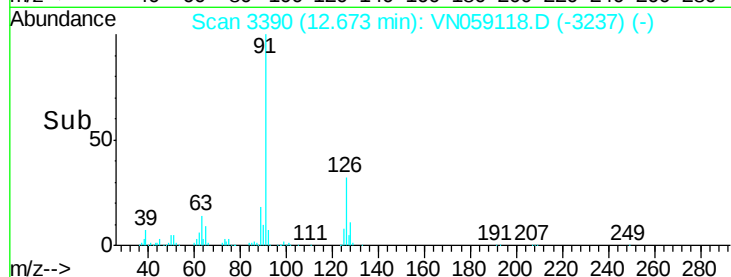
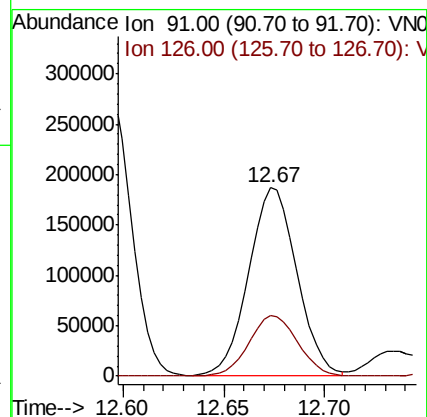
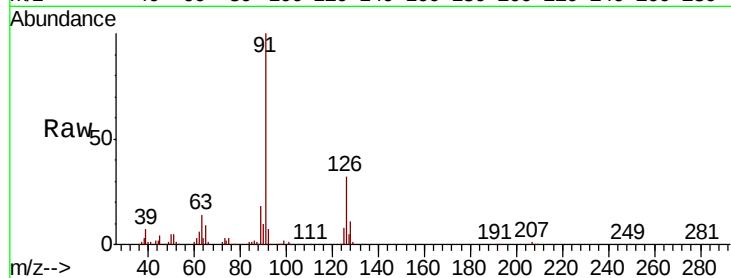
Ion Ratio Lower Upper

91 100

126 32.5 0.0 65.4

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM



#76

1,3,5-Trimethylbenzene

Concen: 20.014 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059118.D

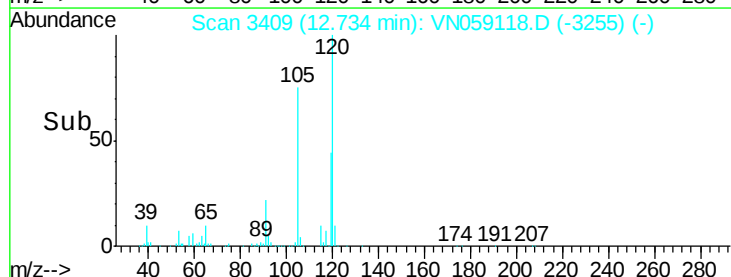
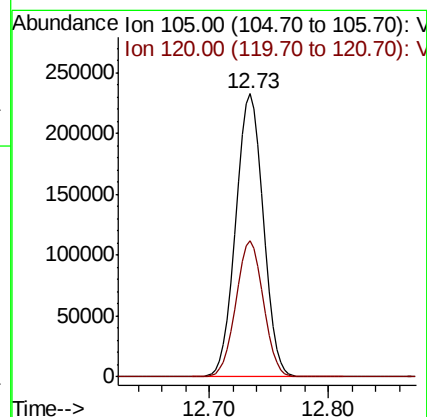
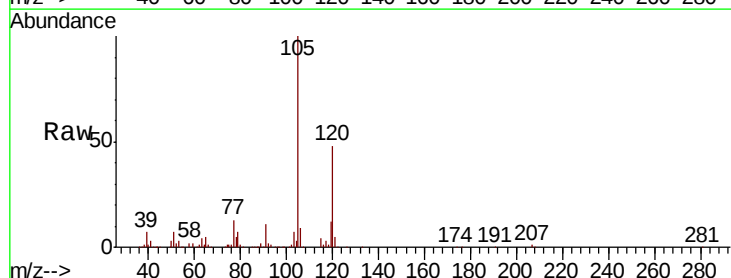
Acq: 7 Nov 2019 13:42

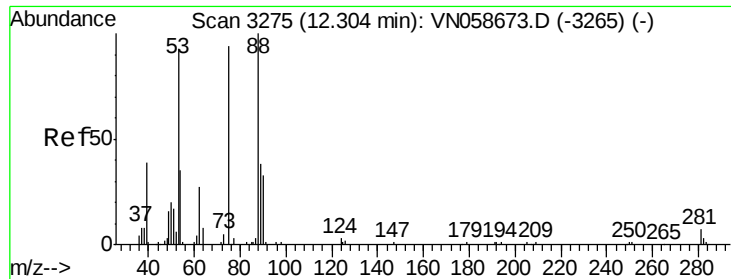
Tgt Ion: 105 Resp: 373967

Ion Ratio Lower Upper

105 100

120 47.9 0.0 94.0





#77

t-1,4-Dichloro-2-butene

Concen: 20.344 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

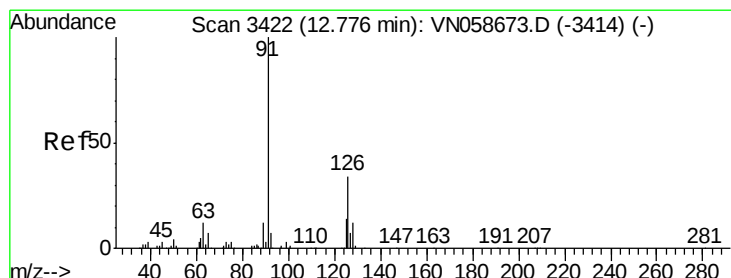
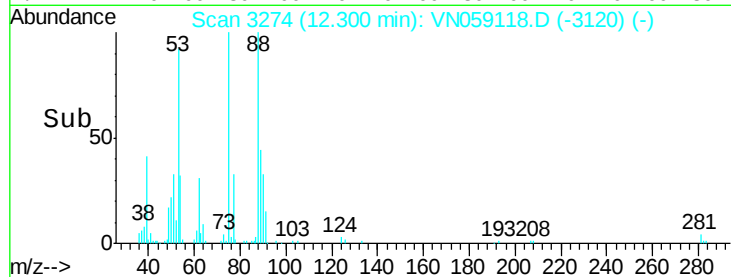
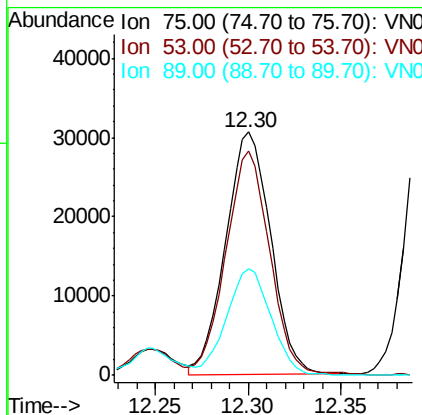
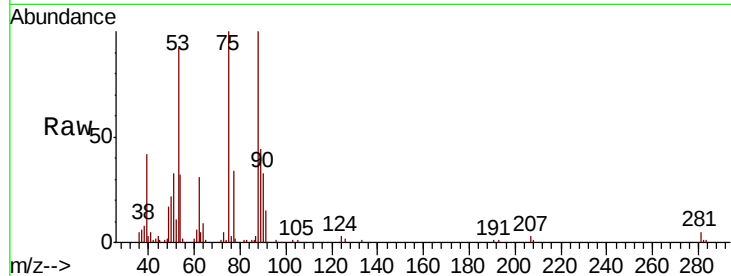
ClientSampleId :

VN1107WBSD01

Tot Ion:	75	Resp:	51576
Ion Ratio	Lower	Upper	
75	100		
53	91.5	50.0	150.0
89	44.1	20.7	62.1

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM



#78

4-Chlorotoluene

Concen: 19.115 ug/l

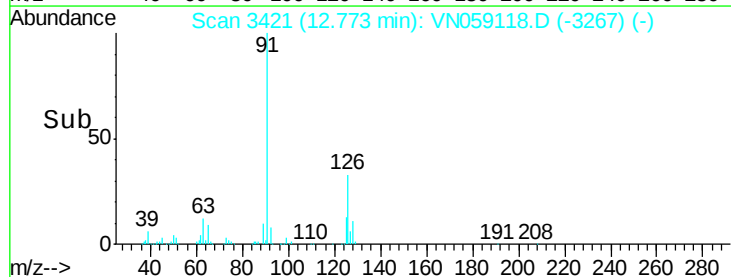
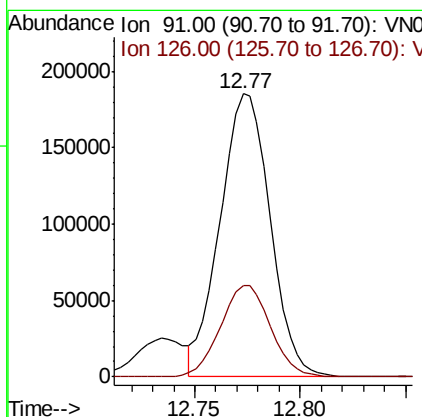
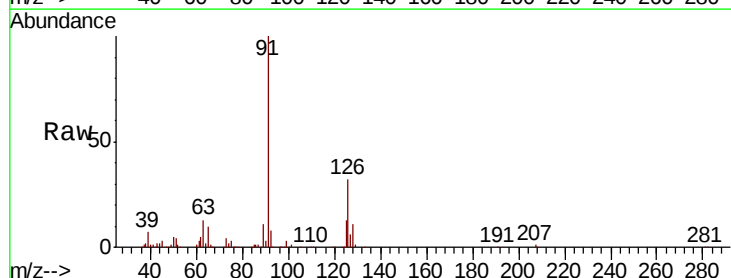
RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Tgt Ion:	91	Resp:	302685
Ion Ratio	Lower	Upper	
91	100		
126	32.8	0.0	63.4





#79

tert-butylbenzene

Concen: 20.058 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

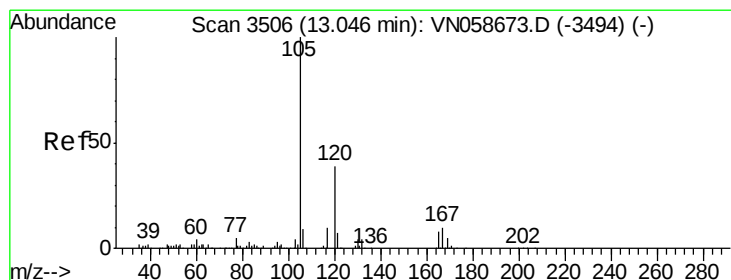
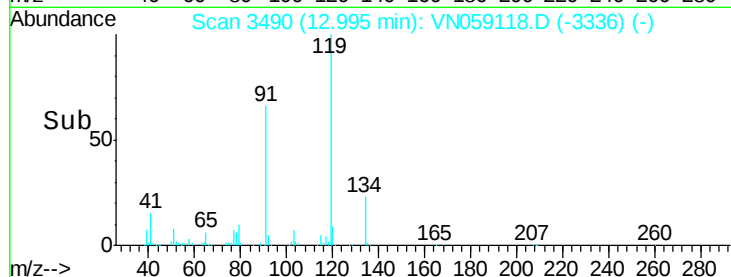
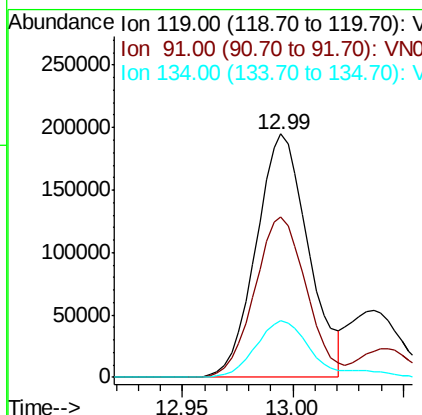
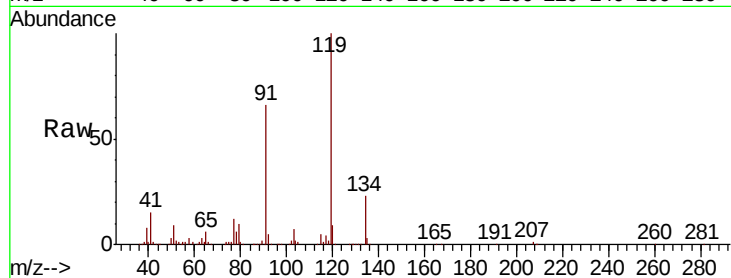
ClientSampleId :

VN1107WBSD01

Tot Ion:	119	Resp:	320200
Ion Ratio	Lower	Upper	
119	100		
91	65.4	0.0	136.4
134	23.5	0.0	47.2

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM



#80

1,2,4-Trimethylbenzene

Concen: 19.818 ug/l

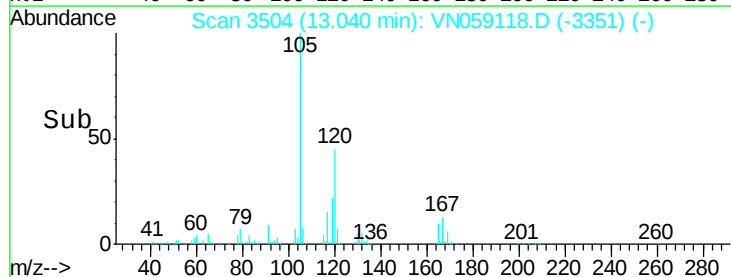
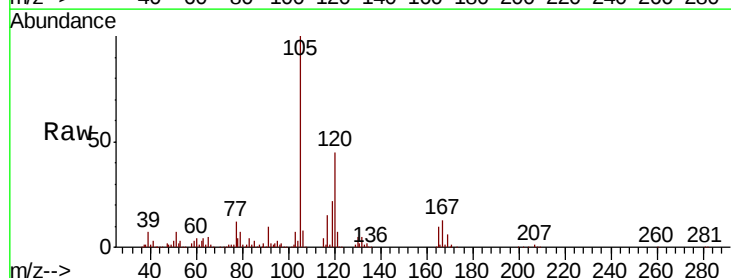
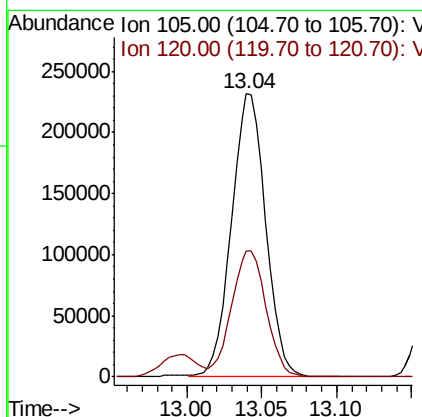
RT: 13.04 min Scan# 3504

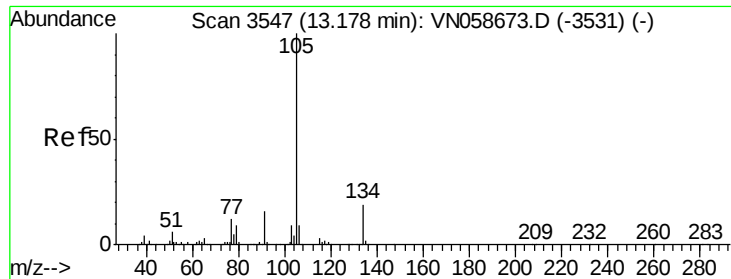
Delta R.T. -0.01 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Tgt Ion:	105	Resp:	367969
Ion Ratio	Lower	Upper	
105	100		
120	45.2	0.0	89.2





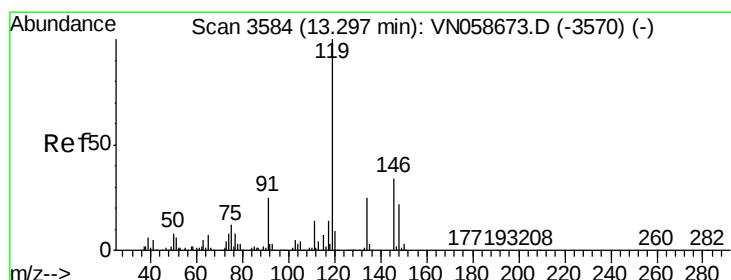
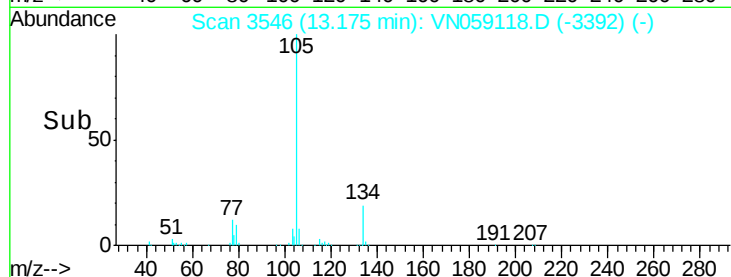
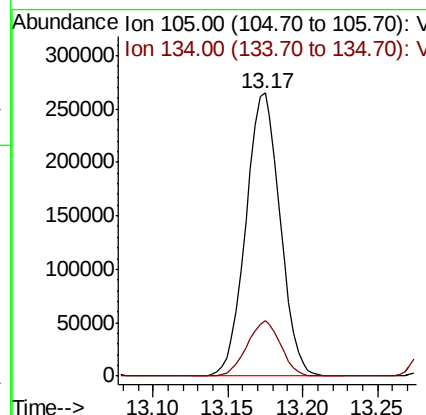
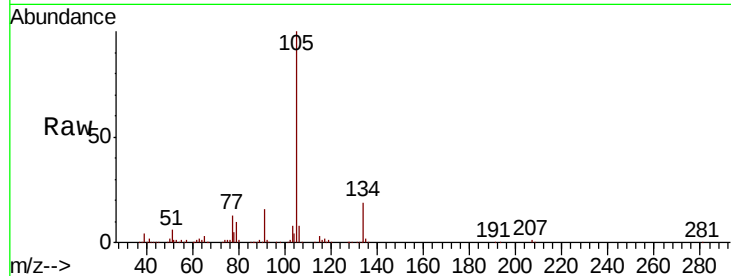
#81
sec-Butylbenzene
Concen: 19.560 ug/l
RT: 13.17 min Scan# 3546
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	420217		
134	19.3	0.0	38.0	

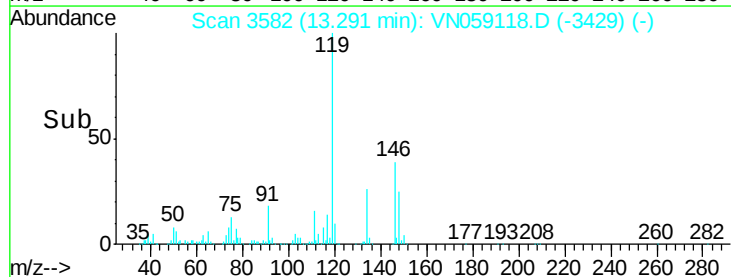
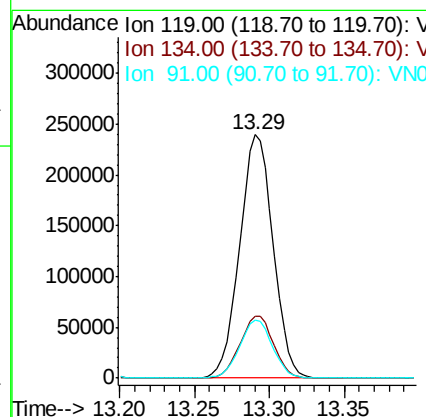
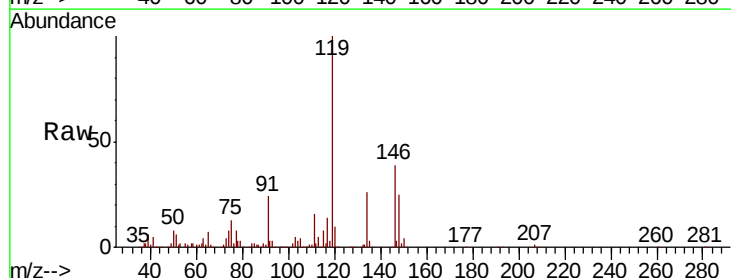
Manual Integrations
APPROVED

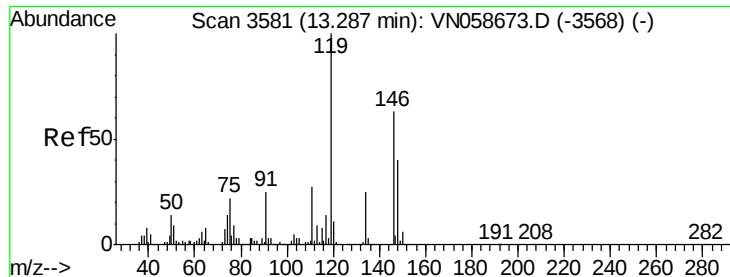
MMDadoda
11/8/2019 9:39:11 AM



#82
p-Isopropyltoluene
Concen: 19.286 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	372061		
134	25.5	0.0	50.8	
91	23.6	0.0	49.4	





#83

1,3-Dichlorobenzene

Concen: 19.142 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Instrument :

MSVOA_N

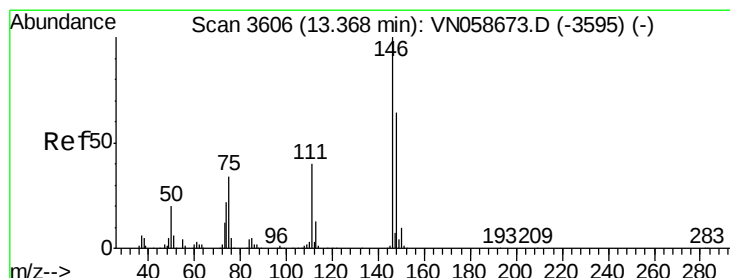
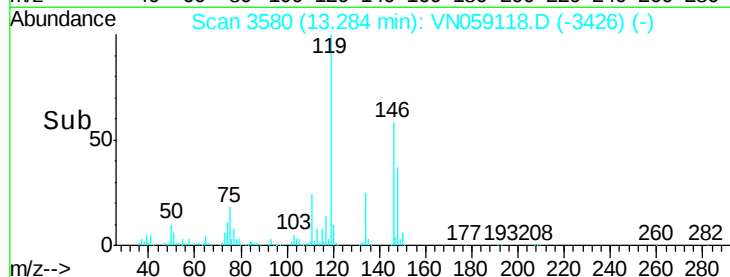
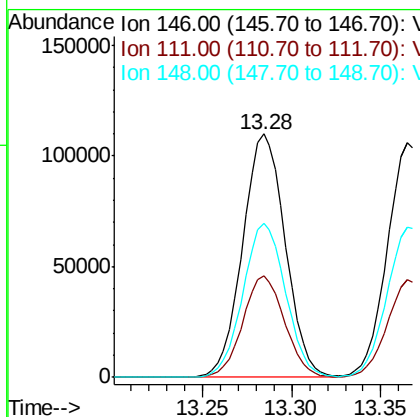
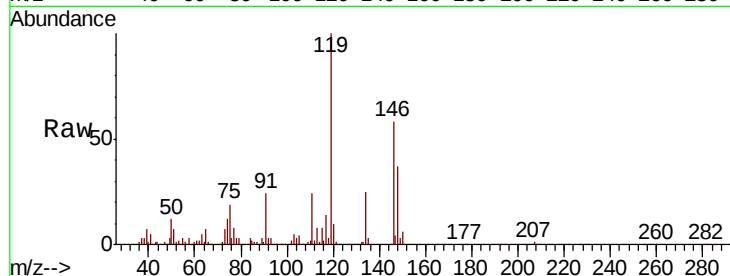
ClientSampleId :

VN1107WBSD01

Tot Ion:	146	Resp:	183543
Ion Ratio	Lower	Upper	
146	100		
111	40.9	21.0	63.0
148	63.3	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM



#84

1,4-Dichlorobenzene

Concen: 18.104 ug/l

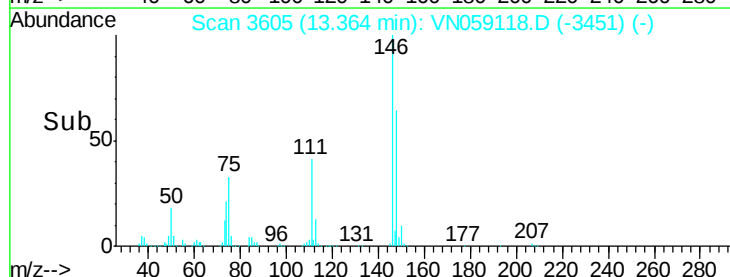
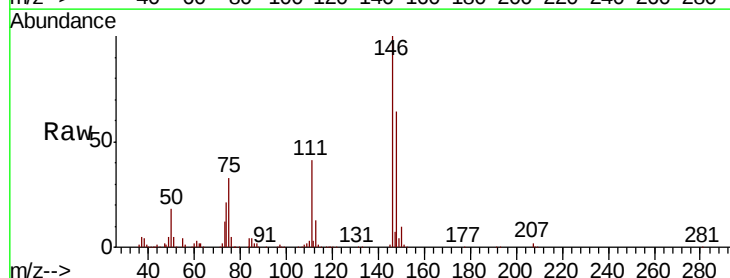
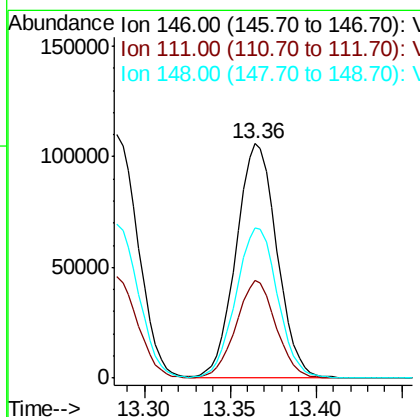
RT: 13.36 min Scan# 3605

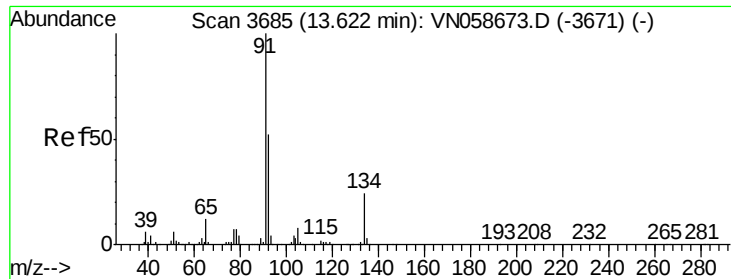
Delta R.T. -0.00 min

Lab File: VN059118.D

Acq: 7 Nov 2019 13:42

Tgt Ion:	146	Resp:	173394
Ion Ratio	Lower	Upper	
146	100		
111	40.4	19.8	59.4
148	65.9	31.6	94.8





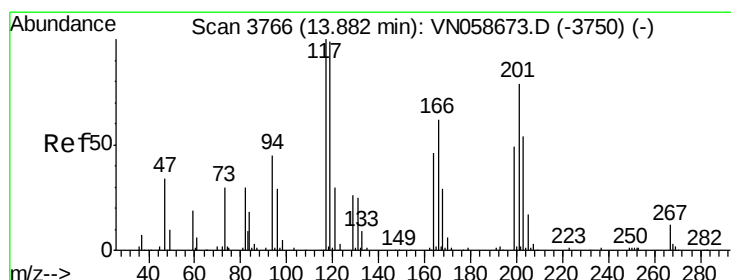
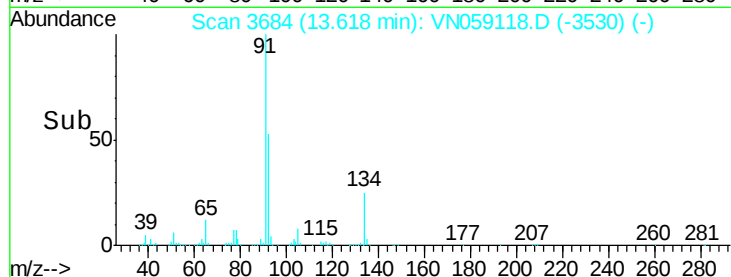
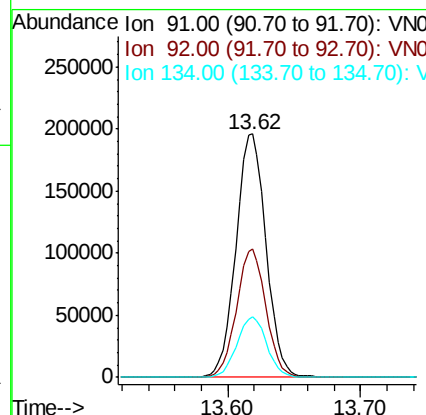
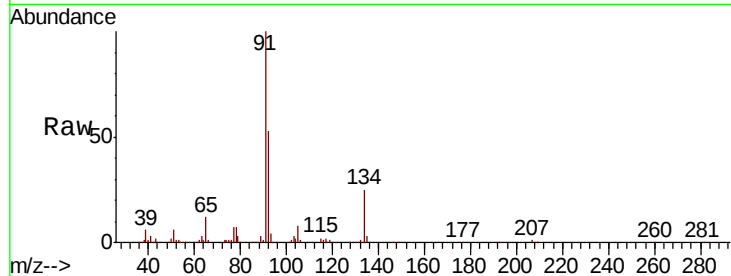
#85
n-Butylbenzene
Concen: 17.421 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampled :
VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	0.0	102.8
134	24.6	0.0	48.6

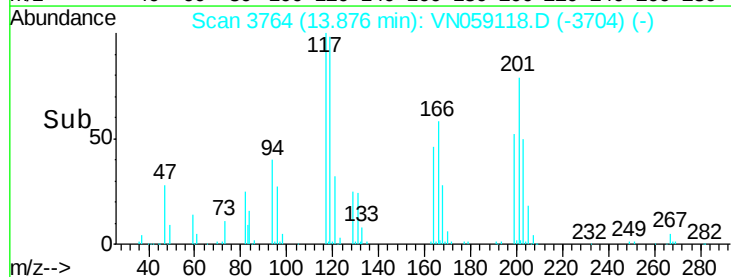
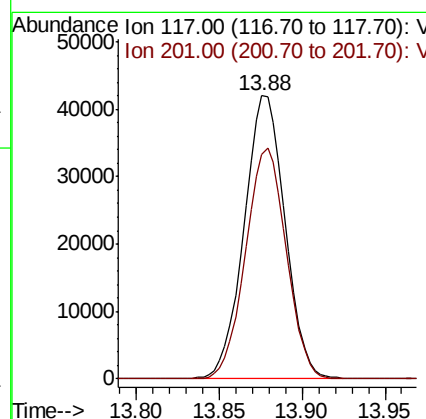
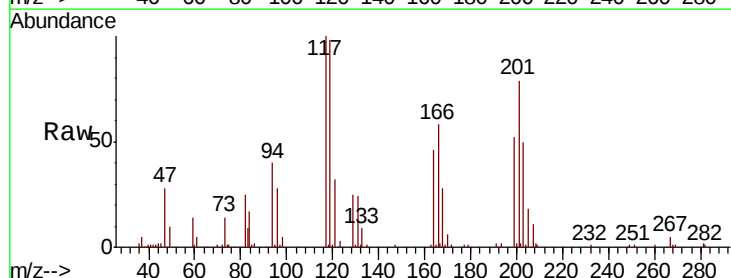
Manual Integrations
APPROVED

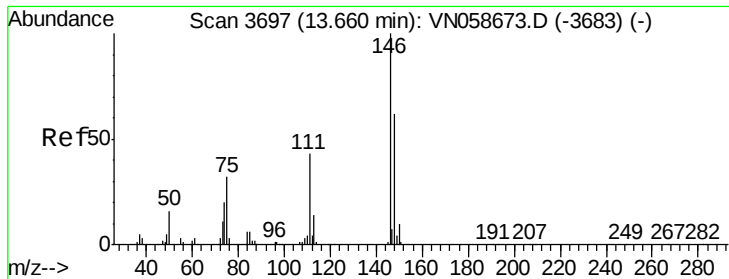
MMDadoda
11/8/2019 9:39:11 AM



#86
Hexachloroethane
Concen: 20.565 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	38.7	116.1





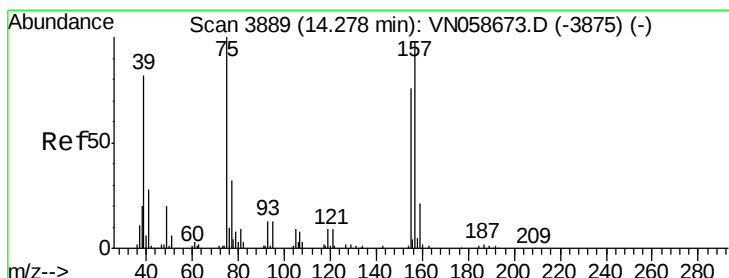
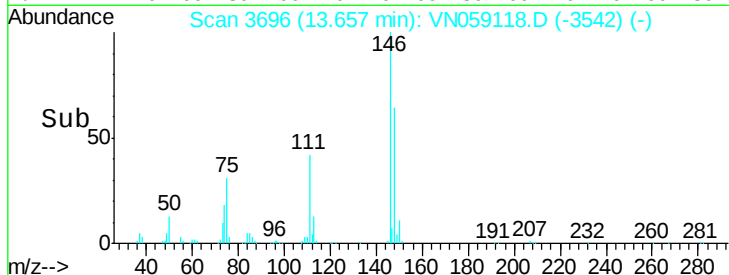
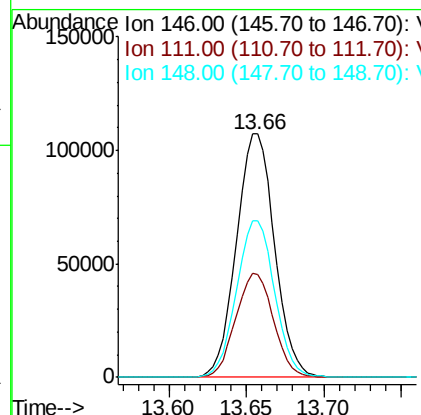
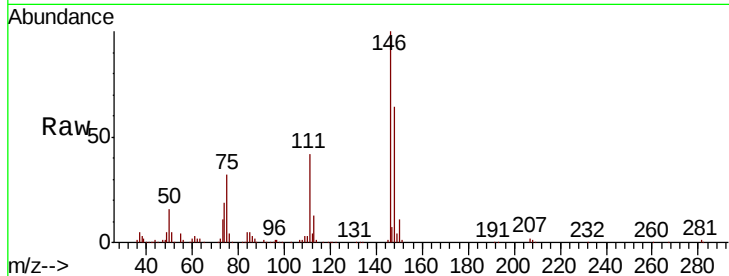
#87
 1,2-Dichlorobenzene
 Concen: 19.427 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.8	65.4
148	64.3	32.1	96.5

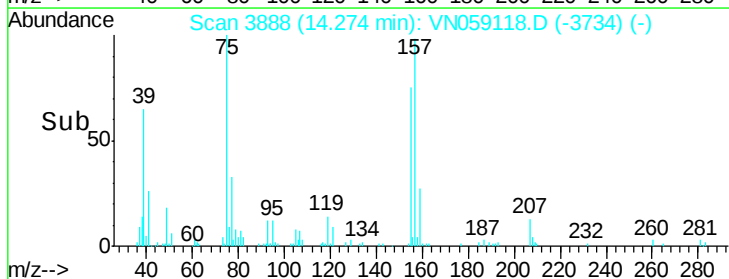
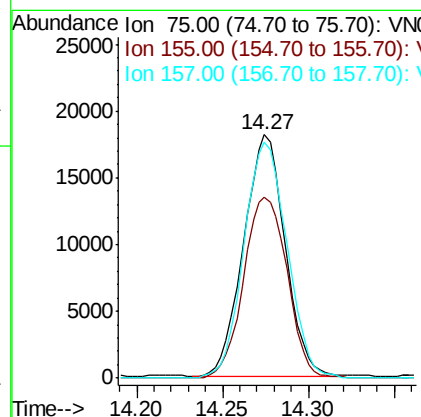
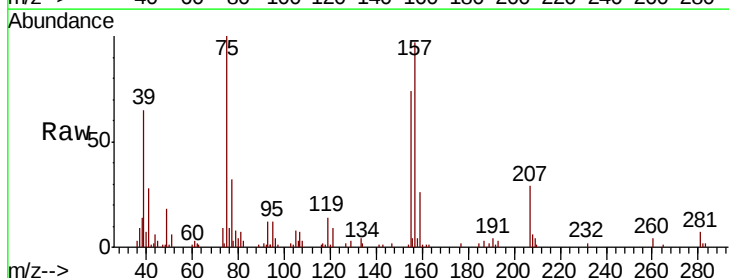
Manual Integrations
 APPROVED

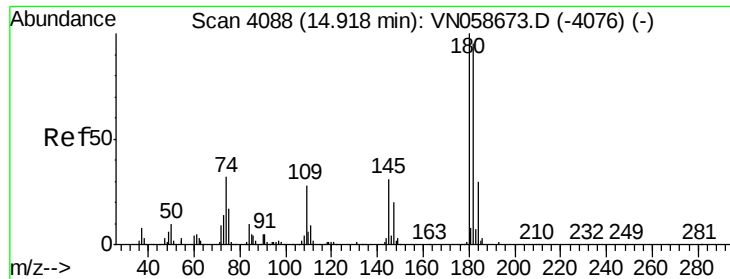
MMDadoda
 11/8/2019 9:39:11 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.461 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	58.3	87.5
157	101.7	75.0	112.6





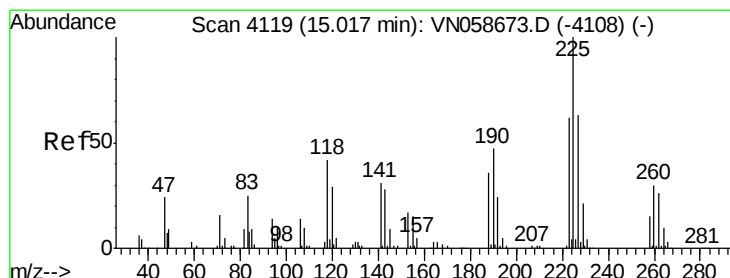
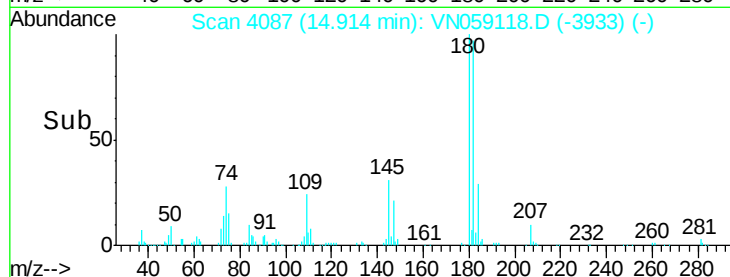
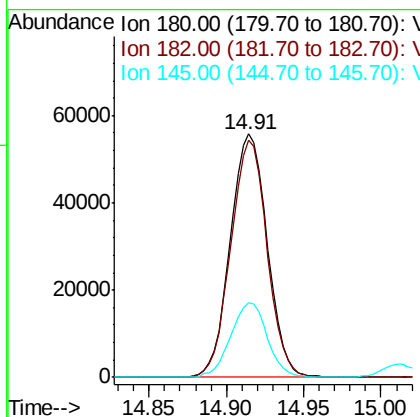
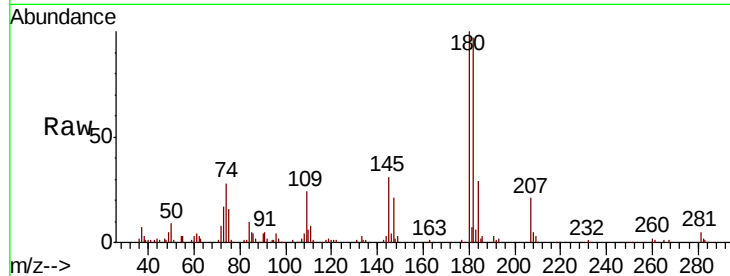
#89
 1,2,4-Trichlorobenzene
 Concen: 15.478 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN1107WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.3	112.9
145	30.2	24.8	37.2

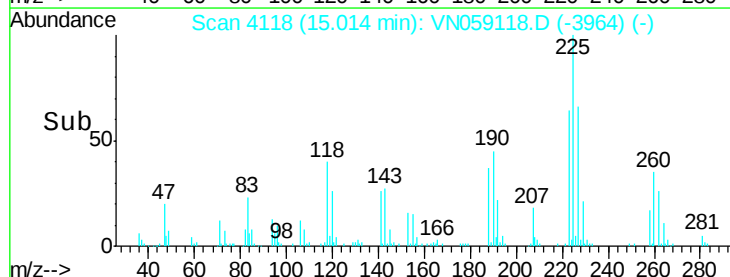
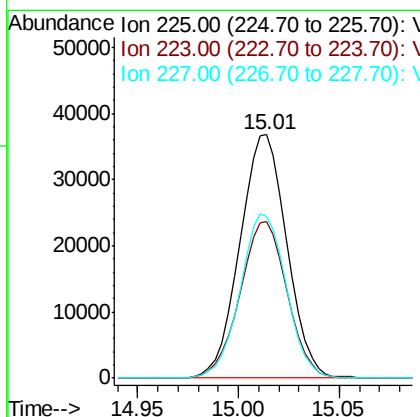
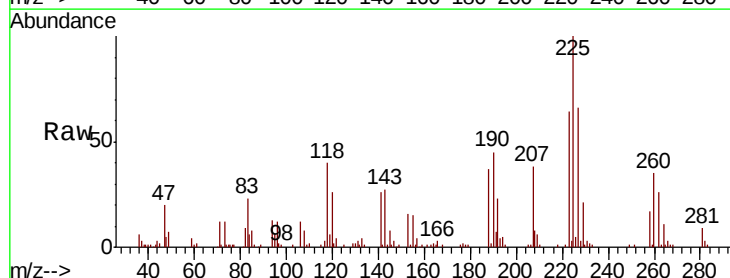
Manual Integrations
 APPROVED

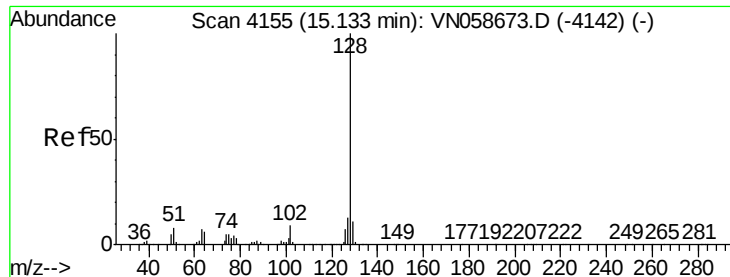
MMDadoda
 11/8/2019 9:39:11 AM



#90
 Hexachlorobutadiene
 Concen: 19.431 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN059118.D
 Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	0.0	126.2
227	65.9	0.0	127.0





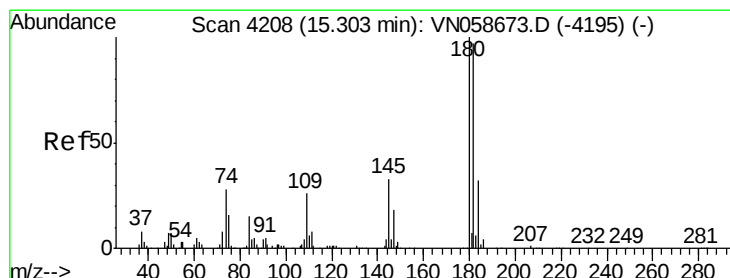
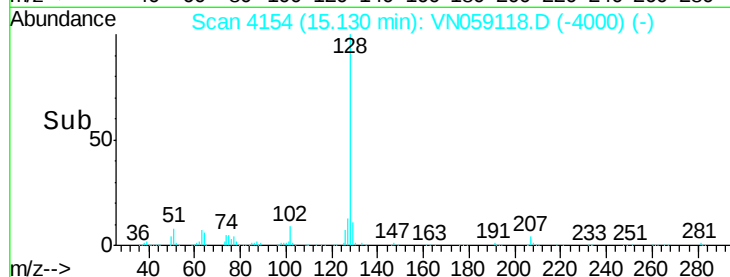
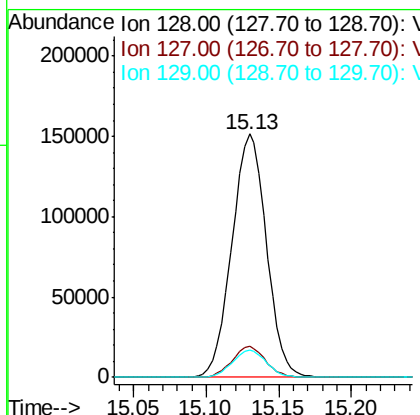
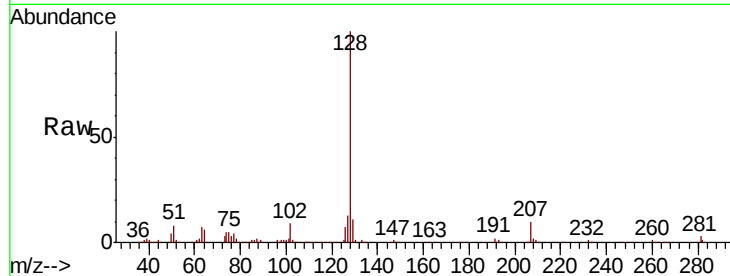
#91
Naphthalene
Concen: 14.209 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	250756		
127	12.3		10.2	15.2
129	11.1		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:11 AM



#92
1,2,3-Trichlorobenzene
Concen: 16.422 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.01 min
Lab File: VN059118.D
Acq: 7 Nov 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	95546		
182	97.5		0.0	193.4
145	32.0		0.0	65.8

