

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054898.D
 Acq On : 2 Apr 2019 13:39
 Operator : JC/SP
 Sample : VN0402WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 10:43:59 AM

Quant Time: Apr 03 05:48:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	397832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	673403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	578174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	232888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	288738	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
35) Dibromofluoromethane	7.59	113	231067	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.09	98	844308	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.40	95	275584	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	83224	20.682	ug/l	100
3) Chloromethane	2.06	50	114801	20.633	ug/l	98
4) Vinyl Chloride	2.19	62	105258	21.066	ug/l	99
5) Bromomethane	2.58	94	59122	21.277	ug/l	98
6) Chloroethane	2.71	64	59152	21.201	ug/l	94
7) Trichlorofluoromethane	3.03	101	135383	22.039	ug/l	98
8) Diethyl Ether	3.41	74	44954	22.726	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	71655	22.158	ug/l	92
10) Methyl Iodide	3.94	142	93192	21.051	ug/l #	89
11) Tert butyl alcohol	4.82	59	34911	124.943	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	70226	22.456	ug/l #	74
13) Acrolein	3.61	56	26675	106.788	ug/l	94
14) Allyl chloride	4.32	41	164560	21.364	ug/l #	93
15) Acrylonitrile	5.00	53	176437	113.605	ug/l	99
16) Acetone	3.82	43	133070	104.054	ug/l #	78
17) Carbon Disulfide	4.04	76	198580	19.578	ug/l	100
18) Methyl Acetate	4.33	43	81757	24.068	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	245200	22.415	ug/l	95
20) Methylene Chloride	4.54	84	98012	21.727	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	87448	21.290	ug/l	87
22) Diisopropyl ether	5.96	45	340846	22.373	ug/l #	94
23) Vinyl Acetate	5.90	43	1188838	112.135	ug/l #	91
24) 1,1-Dichloroethane	5.85	63	184209	22.667	ug/l	97
25) 2-Butanone	6.85	43	219794	116.269	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	118564	20.816	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	99872	21.523	ug/l	85
28) Bromochloromethane	7.19	49	93841	23.093	ug/l #	71
29) Tetrahydrofuran	7.22	42	145376	110.723	ug/l #	85
30) Chloroform	7.37	83	173833	22.432	ug/l	100
31) Cyclohexane	7.65	56	172252	22.113	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	142450	22.182	ug/l #	95
36) 1,1-Dichloropropene	7.79	75	127164	20.266	ug/l	96
37) Ethyl Acetate	6.94	43	98237	21.349	ug/l	97
38) Carbon Tetrachloride	7.77	117	123902	20.330	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054898.D
 Acq On : 2 Apr 2019 13:39
 Operator : JC/SP
 Sample : VN0402WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0402WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 10:43:59 AM

Quant Time: Apr 03 05:48:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	141414	20.499	ug/l	88
40) Benzene	8.04	78	393330	21.907	ug/l	100
41) Methacrylonitrile	7.18	41	52426	20.282	ug/l	94
42) 1,2-Dichloroethane	8.13	62	140838	21.969	ug/l	98
43) Isopropyl Acetate	8.17	43	165486	22.133	ug/l #	94
44) Trichloroethene	8.83	130	100206	21.500	ug/l	92
45) 1,2-Dichloropropane	9.12	63	110050	21.496	ug/l	98
46) Dibromomethane	9.21	93	63509	22.052	ug/l	87
47) Bromodichloromethane	9.40	83	133411	22.289	ug/l	96
48) Methyl methacrylate	9.20	41	81980	20.227	ug/l	91
49) 1,4-Dioxane	9.20	88	18773	466.822	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	467517	111.218	ug/l	93
52) Toluene	10.16	92	225899	21.144	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	115996	20.602	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	144384	21.468	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	84616	21.300	ug/l	93
56) Ethyl methacrylate	10.43	69	110346	21.175	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	150084	21.975	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	200893	96.141	ug/l	89
59) 2-Hexanone	10.75	43	283059	105.188	ug/l	92
60) Dibromochloromethane	10.90	129	87490	21.741	ug/l	99
61) 1,2-Dibromoethane	11.00	107	80532	21.213	ug/l	98
64) Tetrachloroethene	10.63	164	95934	21.623	ug/l	97
65) Chlorobenzene	11.43	112	236119	20.859	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	89282	21.072	ug/l	97
67) Ethyl Benzene	11.51	91	423743	20.744	ug/l	98
68) m/p-Xylenes	11.62	106	307717	40.706	ug/l	91
69) o-Xylene	11.95	106	151124	20.387	ug/l	91
70) Styrene	11.96	104	250283	21.117	ug/l	96
71) Bromoform	12.13	173	50991	20.542	ug/l #	98
73) Isopropylbenzene	12.25	105	413118	21.703	ug/l	97
74) N-amyl acetate	12.07	43	120735	20.359	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	105432	24.243	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	93935m	23.218	ug/l	
77) Bromobenzene	12.53	156	98617	21.466	ug/l	85
78) n-propylbenzene	12.59	91	447738	21.400	ug/l	96
79) 2-Chlorotoluene	12.67	91	277587	21.446	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	326439	20.900	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20258	19.477	ug/l #	78
82) 4-Chlorotoluene	12.77	91	259797	20.665	ug/l	96
83) tert-Butylbenzene	12.99	119	286670	22.542	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	324017	21.775	ug/l	98
85) sec-Butylbenzene	13.17	105	362857	21.386	ug/l	98
86) p-Isopropyltoluene	13.29	119	314346	21.006	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	157791	20.515	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	150636	19.968	ug/l	97
89) n-Butylbenzene	13.61	91	247243	20.250	ug/l	96
90) Hexachloroethane	13.87	117	52170	20.533	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	157777	20.325	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14625	22.474	ug/l	77

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
Data File : VN054898.D
Acq On : 2 Apr 2019 13:39
Operator : JC/SP
Sample : VN0402WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBSD01

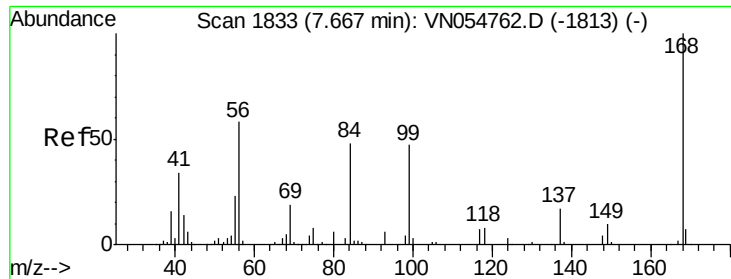
Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM

Quant Time: Apr 03 05:48:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68968	18.429	ug/l	99
94) Hexachlorobutadiene	15.01	225	49687	21.207	ug/l	99
95) Naphthalene	15.13	128	157673	18.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	72426	19.163	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0402WBSD01

Tot Ion:168 Resp: 397832

Ion Ratio Lower Upper

168 100

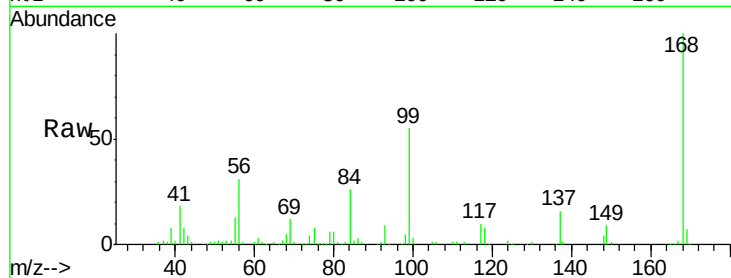
99 53.4 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

4/3/2019 10:43:59 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

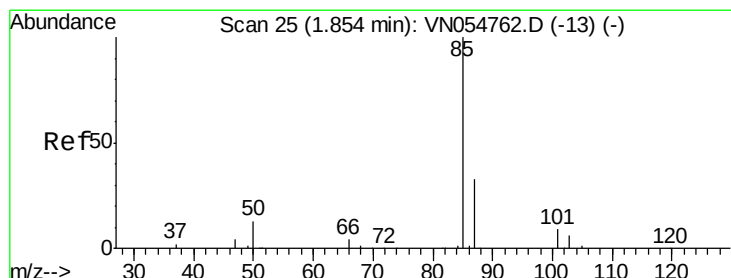
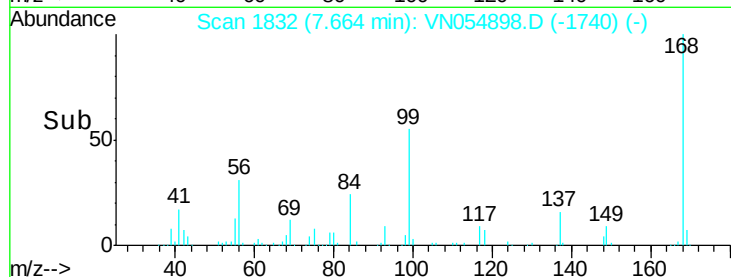
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.682 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054898.D

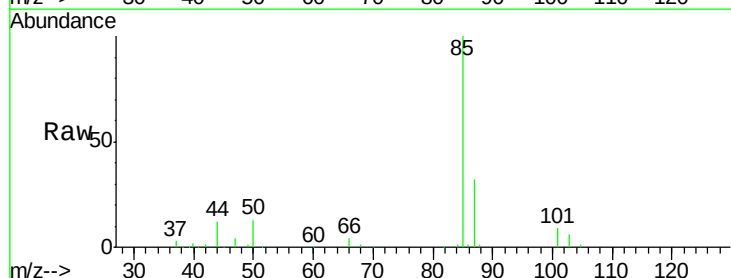
Acq: 2 Apr 2019 13:39

Tgt Ion: 85 Resp: 83224

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

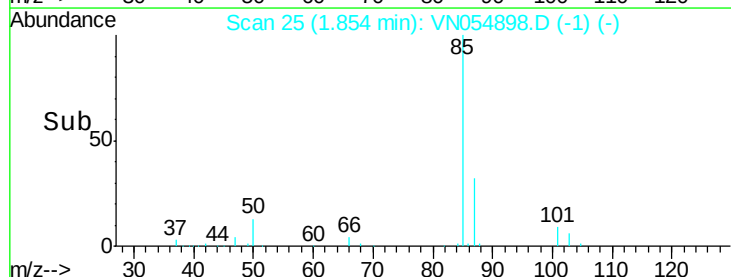
60000

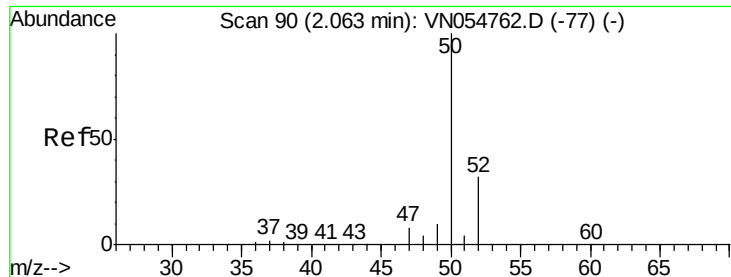
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.633 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0402WBSD01

Tot Ion: 50 Resp: 114801

Ion Ratio Lower Upper

50 100

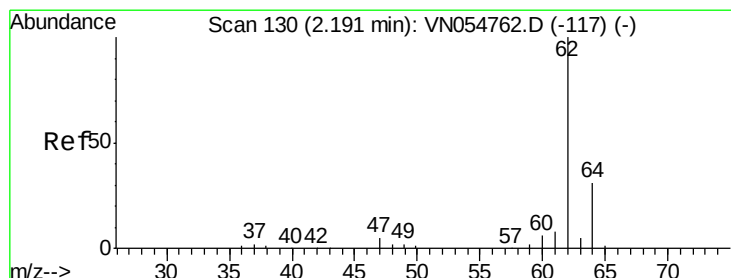
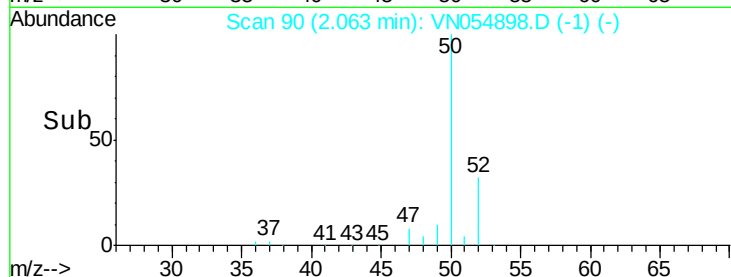
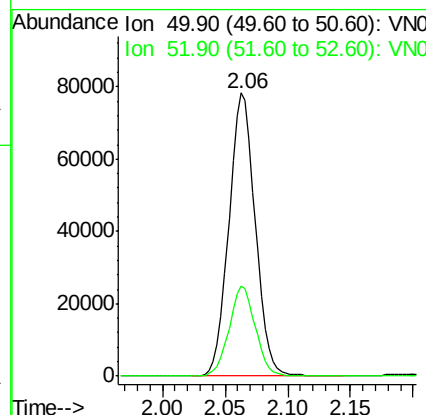
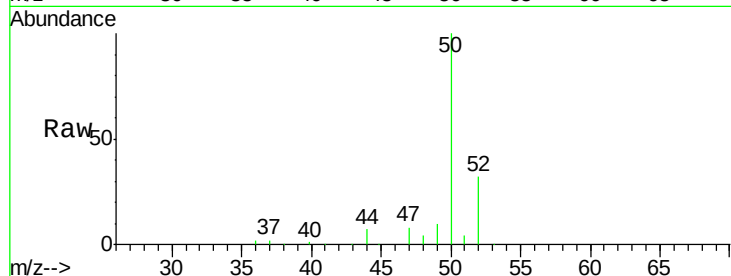
52 32.0 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

4/3/2019 10:43:59 AM



#4

Vinyl Chloride

Concen: 21.066 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054898.D

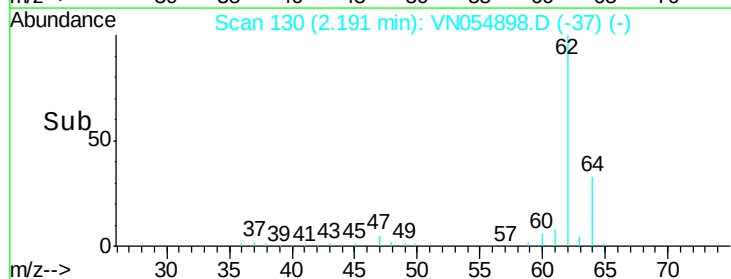
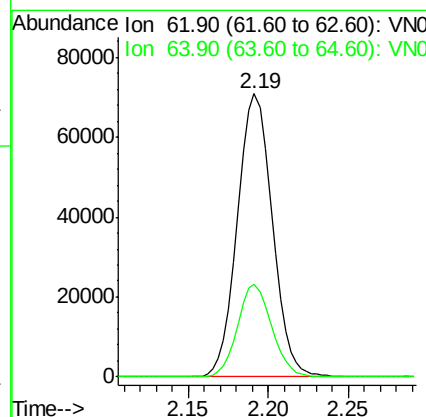
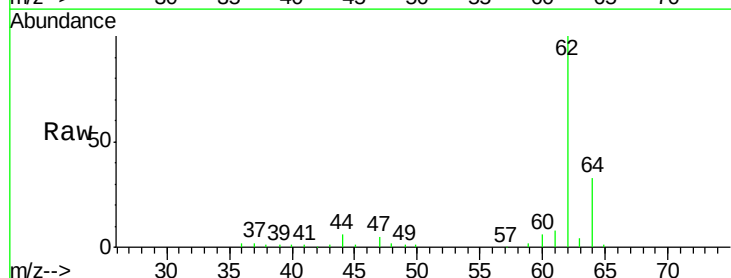
Acq: 2 Apr 2019 13:39

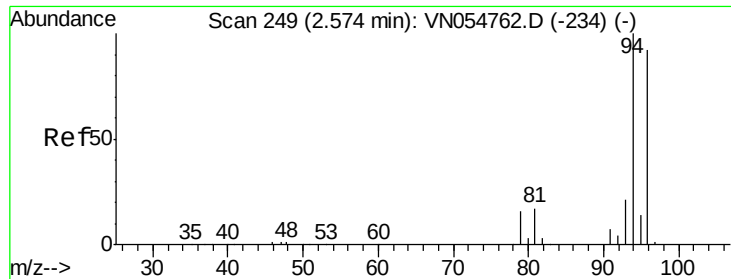
Tgt Ion: 62 Resp: 105258

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3





#5

Bromomethane

Concen: 21.277 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0402WBSD01

Tot Ion: 94 Resp: 59122

Ion Ratio Lower Upper

94 100

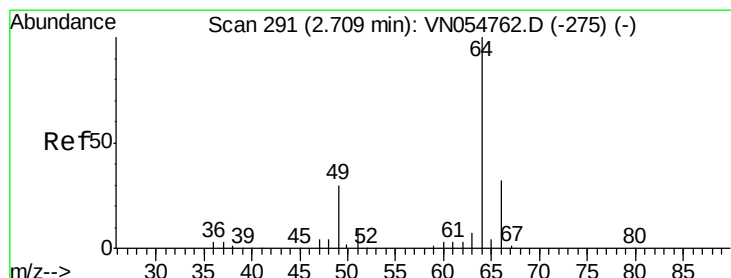
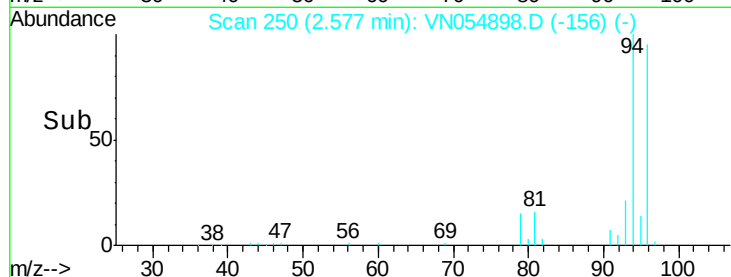
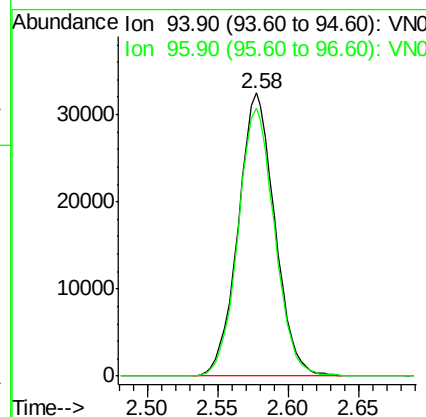
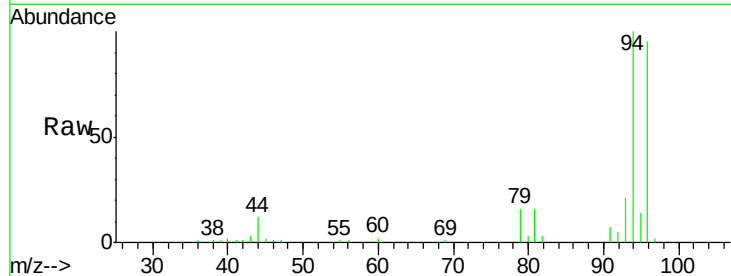
96 94.7 77.0 115.4

Manual Integrations

APPROVED

MMDadoda

4/3/2019 10:43:59 AM



#6

Chloroethane

Concen: 21.201 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054898.D

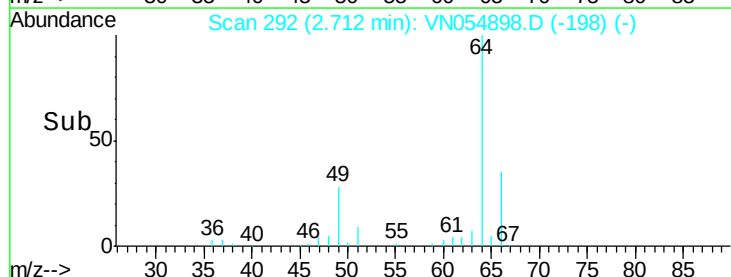
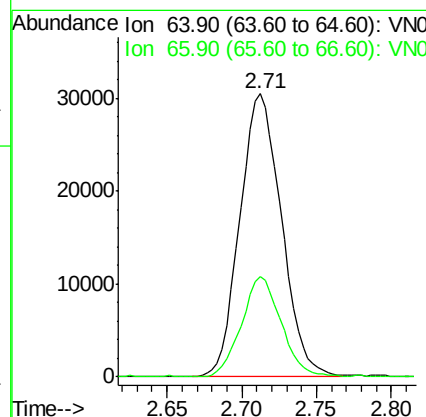
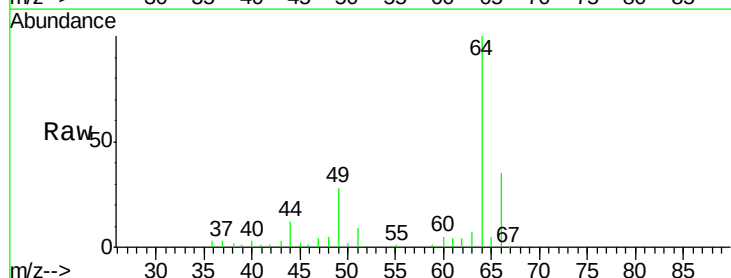
Acq: 2 Apr 2019 13:39

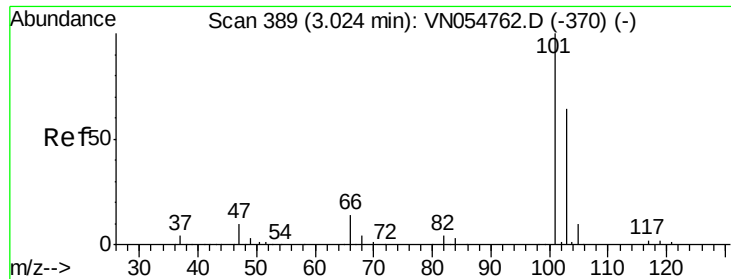
Tgt Ion: 64 Resp: 59152

Ion Ratio Lower Upper

64 100

66 35.5 25.7 38.5





#7

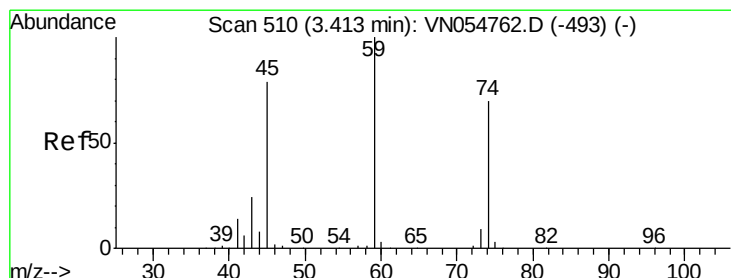
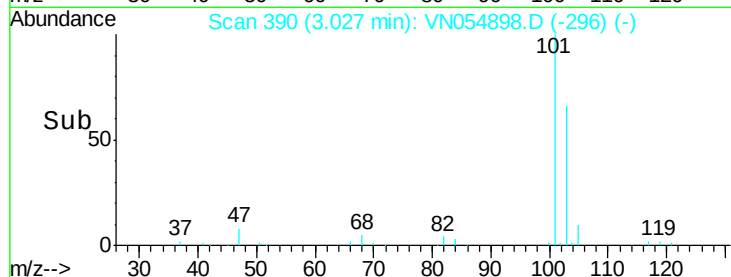
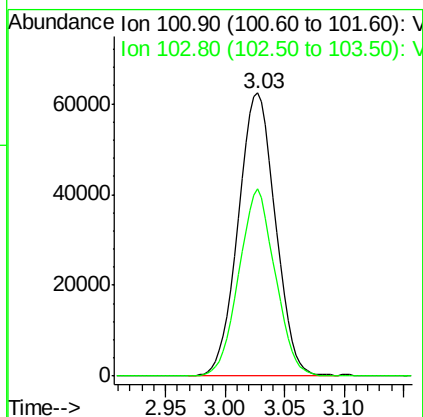
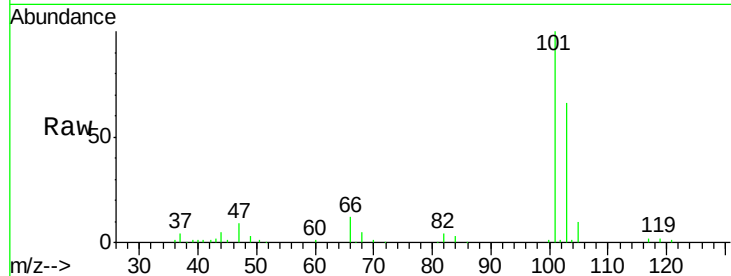
Trichlorofluoromethane
Concen: 22.039 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0402WBSD01

Tot Ion:101 Resp: 135383
Ion Ratio Lower Upper
101 100
103 66.2 51.4 77.2

Manual Integrations
APPROVED

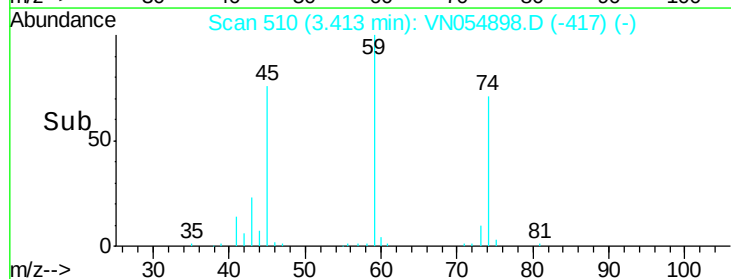
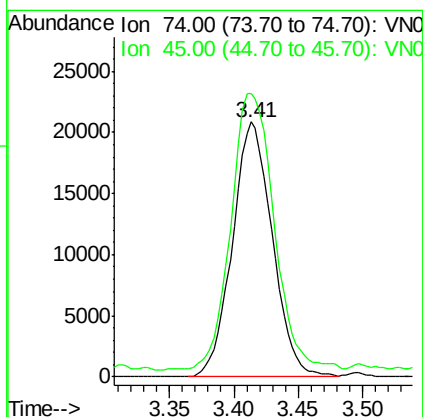
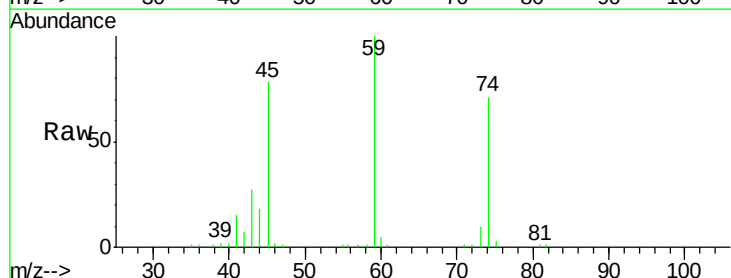
MMDadoda
4/3/2019 10:43:59 AM

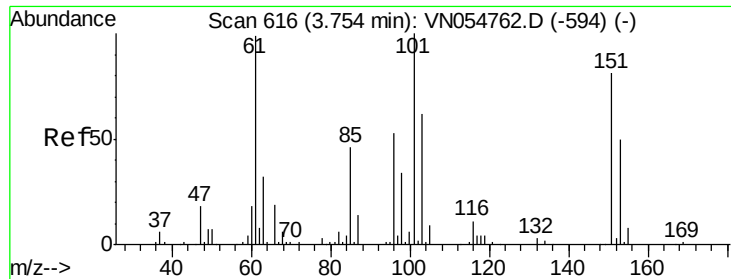


#8

Diethyl Ether
Concen: 22.726 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Tgt Ion: 74 Resp: 44954
Ion Ratio Lower Upper
74 100
45 116.1 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.158 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

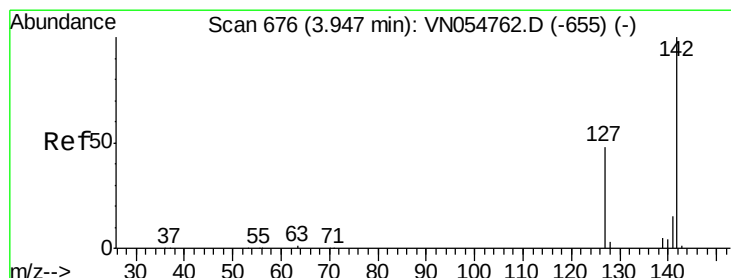
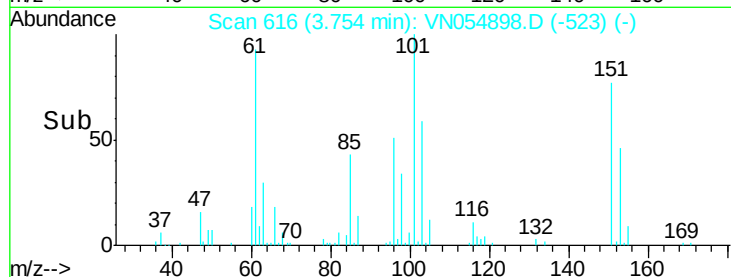
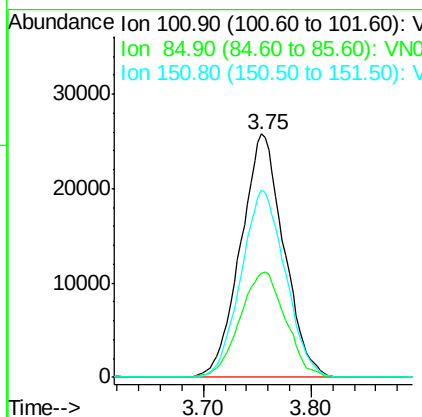
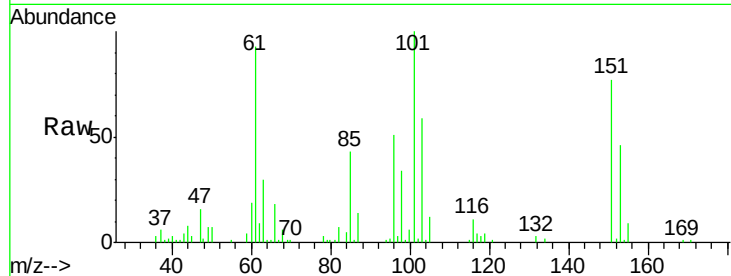
ClientSampleId :

VN0402WBSD01

Tot Ion:	101	Resp:	71655
Ion	Ratio	Lower	Upper
101	100		
85	45.8	32.4	48.6
151	78.8	68.2	102.2

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM



#10

Methyl Iodide

Concen: 21.051 ug/l

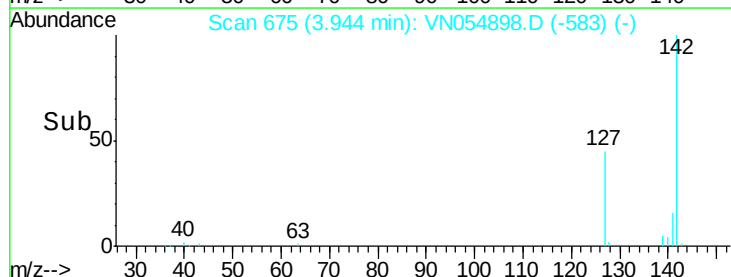
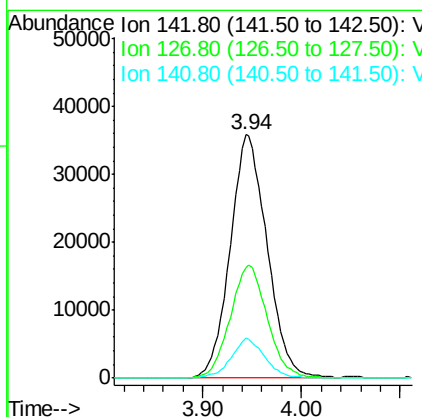
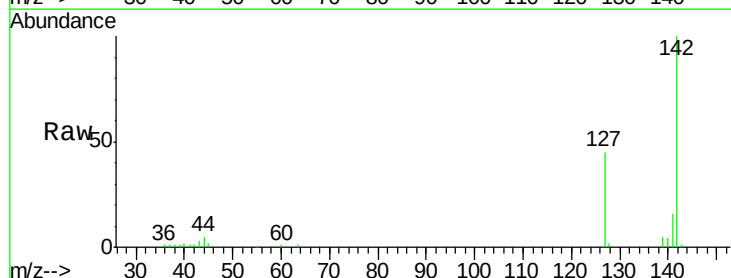
RT: 3.94 min Scan# 675

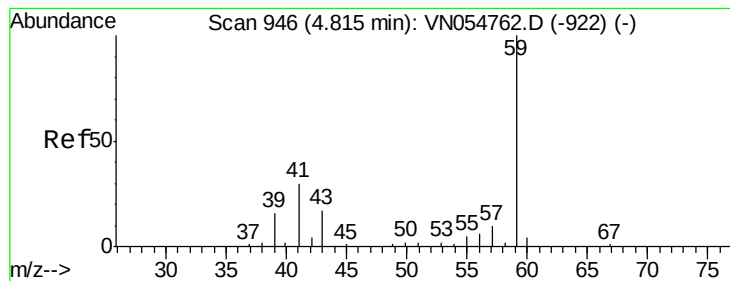
Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Tgt Ion:	142	Resp:	93192
Ion	Ratio	Lower	Upper
142	100		
127	46.5	30.3	45.5#
141	14.7	11.2	16.8





#11

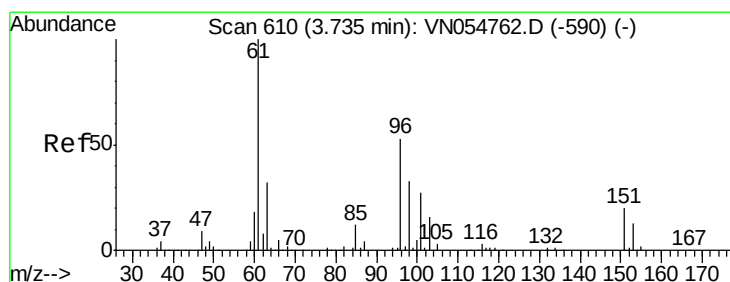
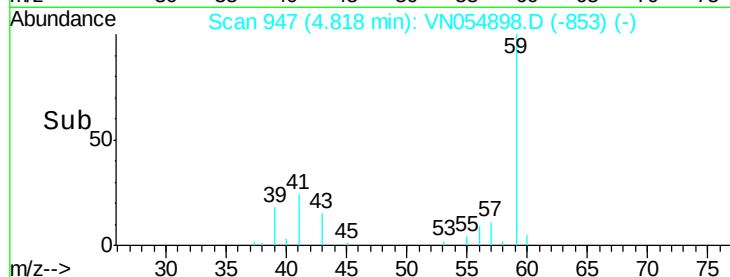
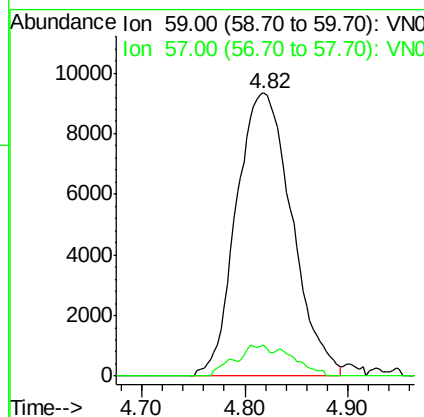
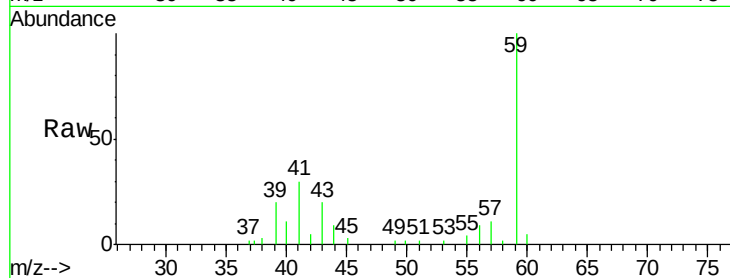
Tert butyl alcohol
Concen: 124.943 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0402WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.6#

Manual Integrations
APPROVED

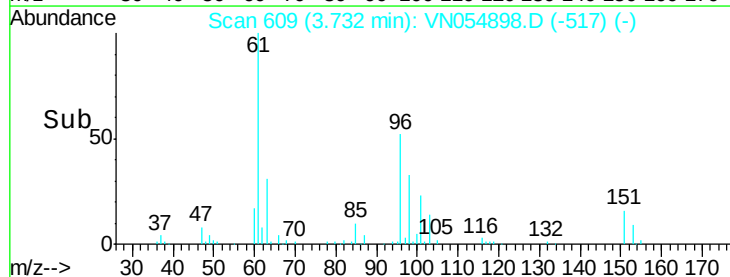
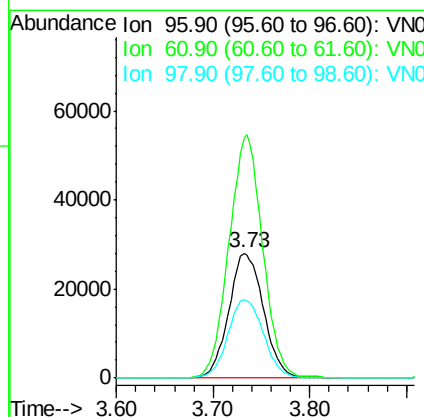
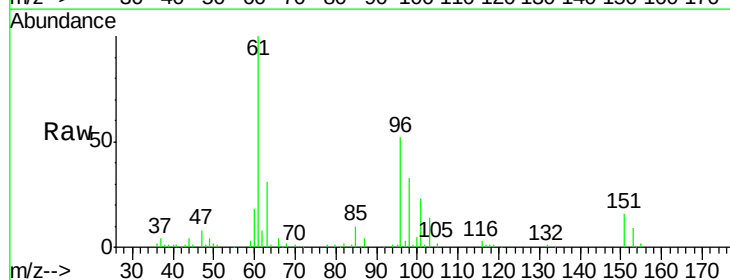
MMDadoda
4/3/2019 10:43:59 AM

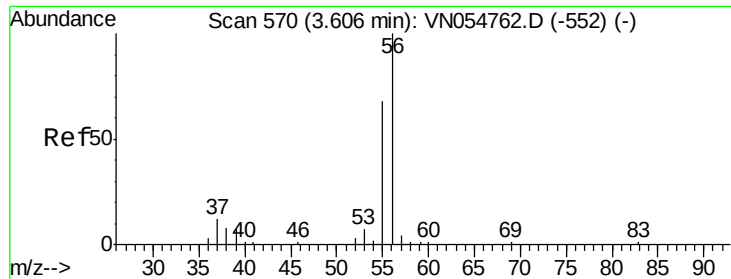


#12

1,1-Dichloroethene
Concen: 22.456 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	192.0	116.5	174.7#
98	62.8	51.0	76.4





#13

Acrolein

Concen: 106.788 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0402WBSD01

Tot Ion: 56 Resp: 26675

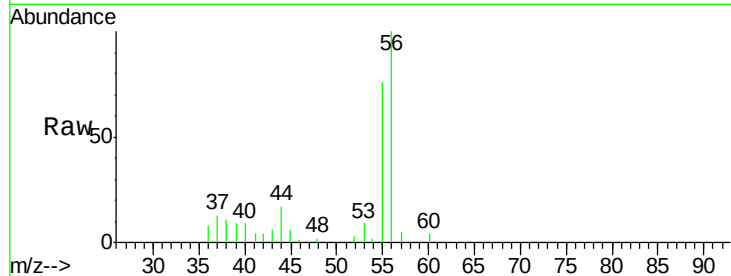
Ion Ratio Lower Upper

56 100

55 75.6 56.7 85.1

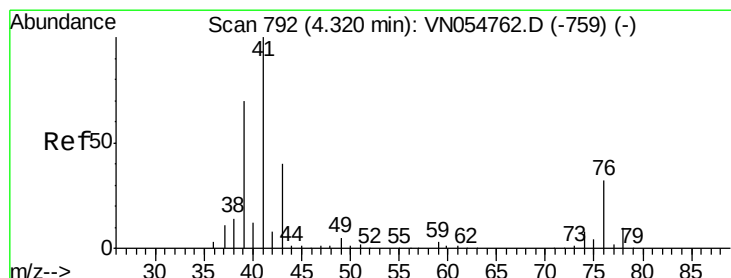
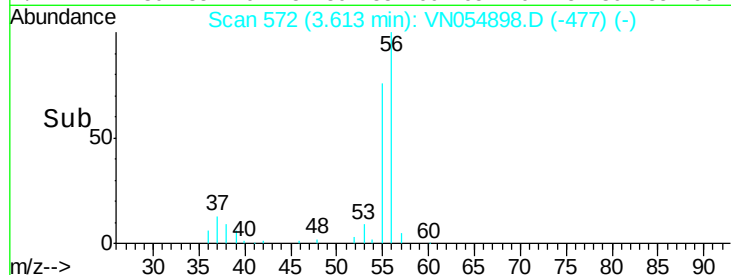
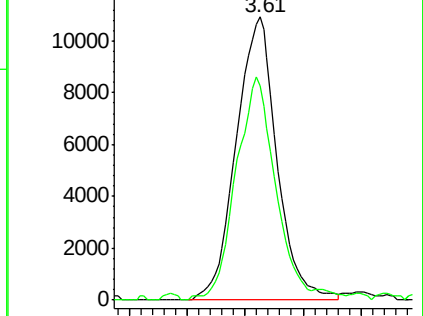
Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.364 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

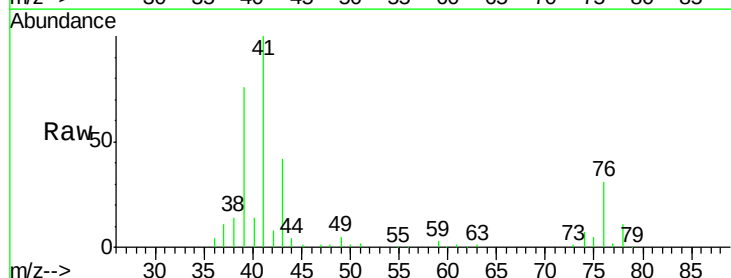
Tgt Ion: 41 Resp: 164560

Ion Ratio Lower Upper

41 100

39 71.5 58.2 87.4

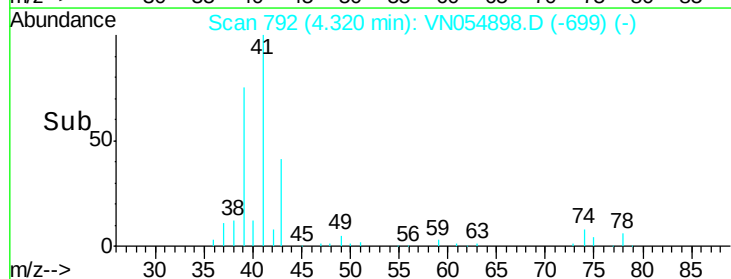
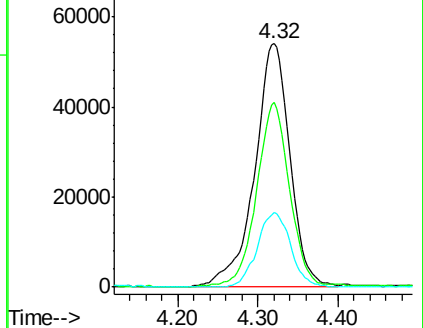
76 28.9 31.7 47.5#

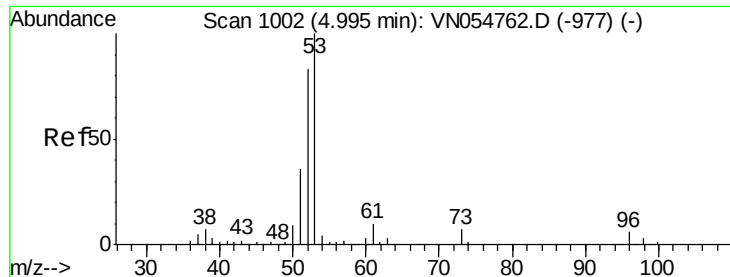


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 113.605 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

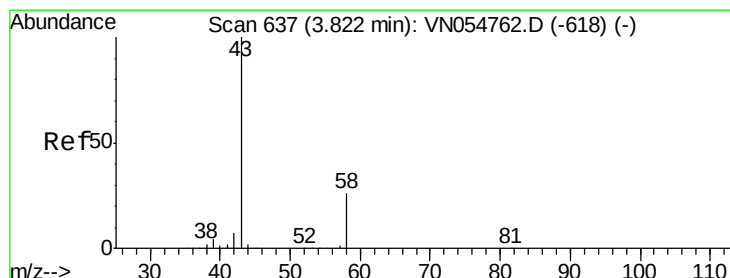
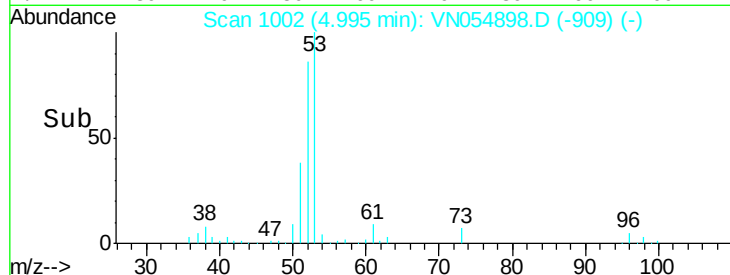
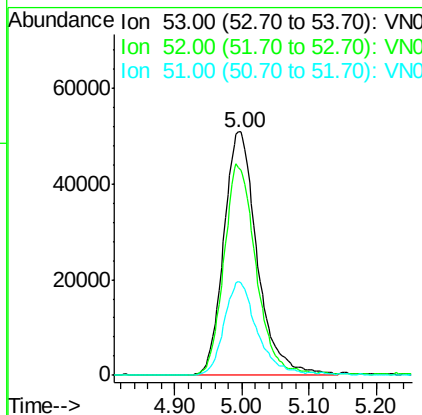
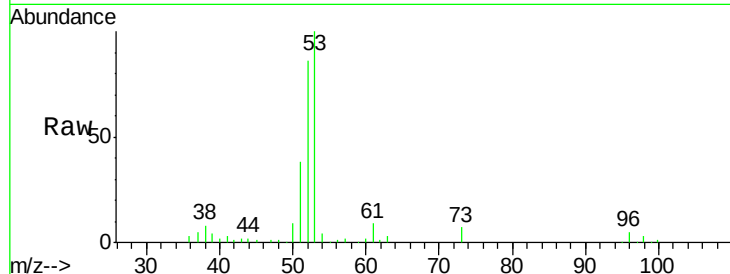
ClientSampled :

VN0402WBSD01

Tot Ion:	53	Resp:	176437
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.4	99.6
51	37.8	29.6	44.4

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM



#16

Acetone

Concen: 104.054 ug/l

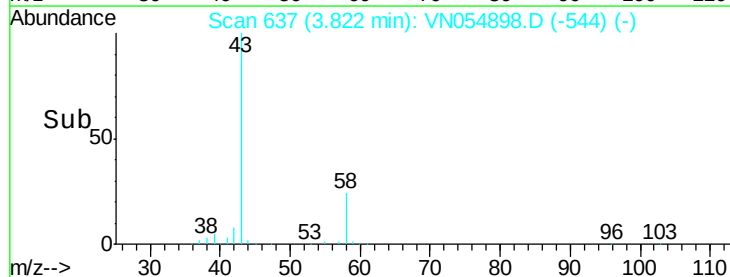
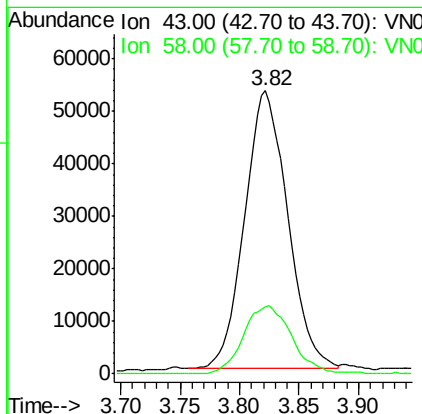
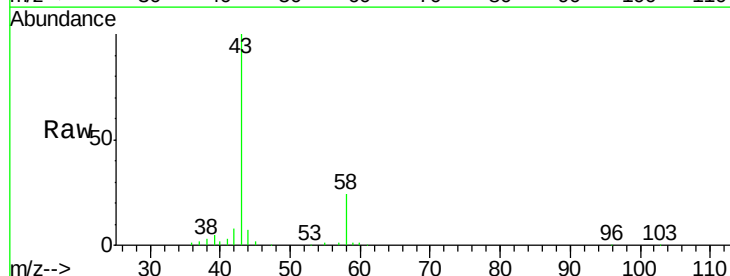
RT: 3.82 min Scan# 637

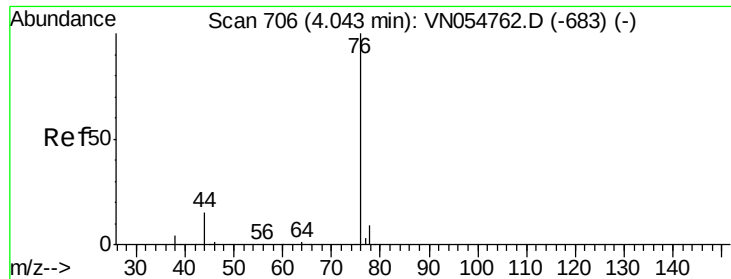
Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Tgt Ion:	43	Resp:	133070
Ion	Ratio	Lower	Upper
43	100		
58	24.3	29.9	44.9#





#17

Carbon Disulfide

Concen: 19.578 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0402WBSD01

Tot Ion: 76 Resp: 198580

Ion Ratio Lower Upper

76 100

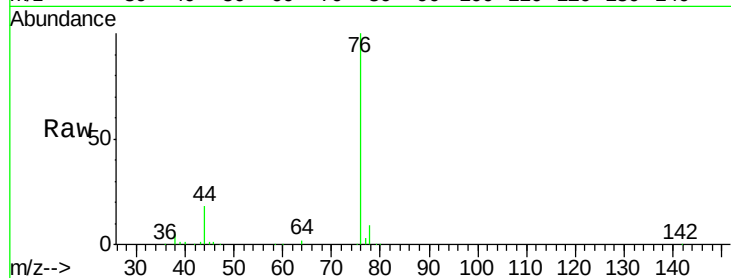
78 9.5 7.5 11.3

Manual Integrations

APPROVED

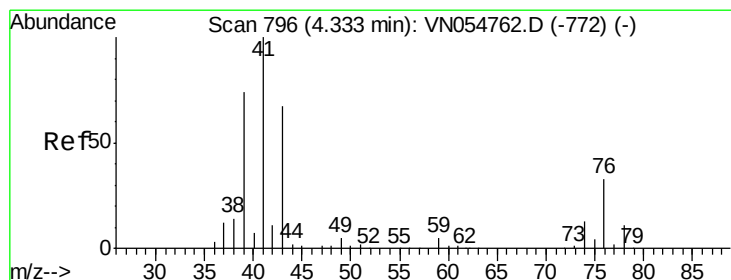
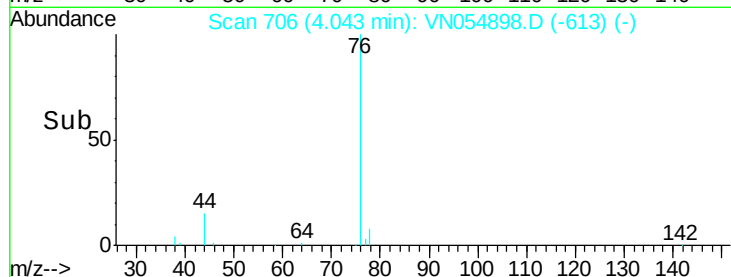
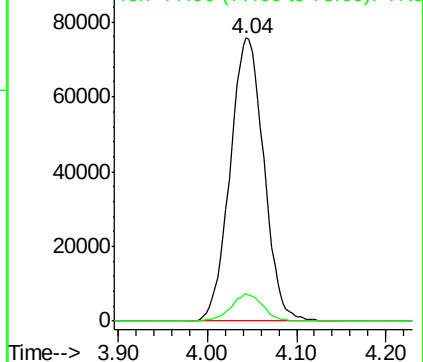
MMDadoda

4/3/2019 10:43:59 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 24.068 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054898.D

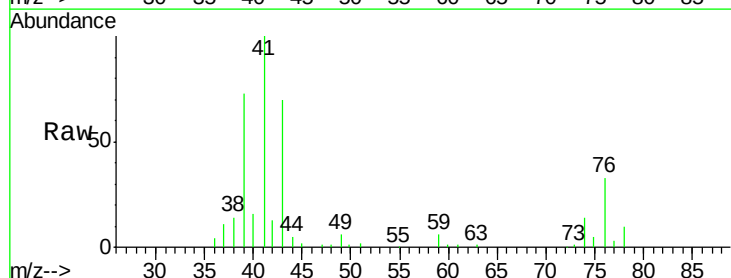
Acq: 2 Apr 2019 13:39

Tgt Ion: 43 Resp: 81757

Ion Ratio Lower Upper

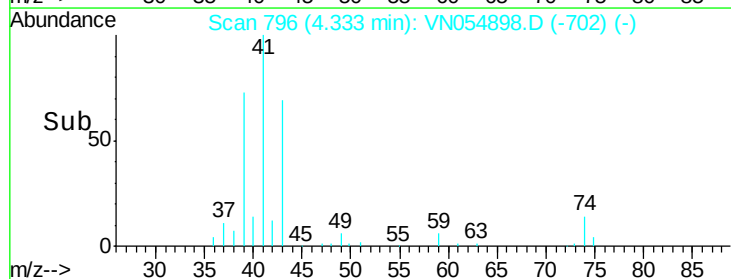
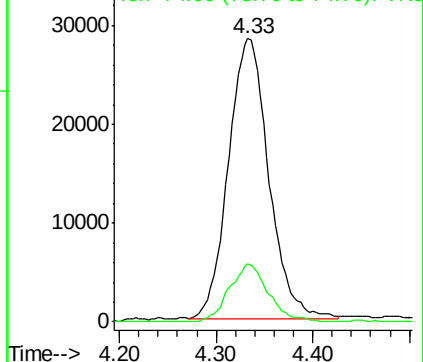
43 100

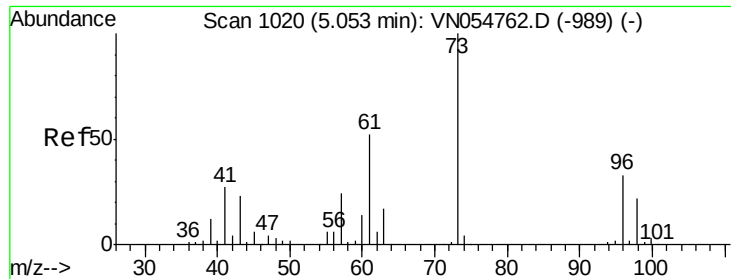
74 20.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





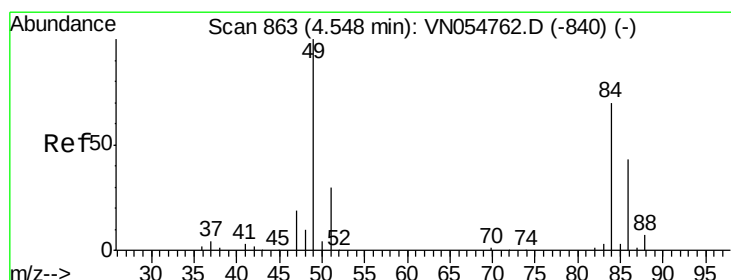
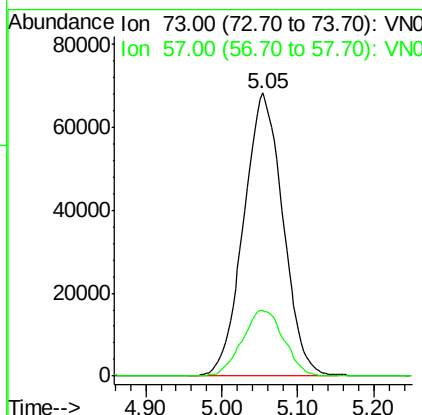
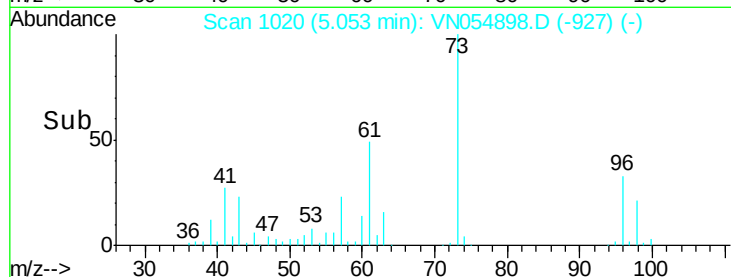
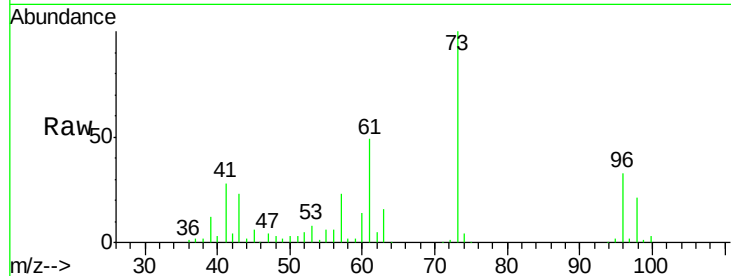
#19
Methyl tert-butyl Ether
Concen: 22.415 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0402WBSD01

Tot Ion: 73 Resp: 245200
Ion Ratio Lower Upper
73 100
57 23.1 16.8 25.2

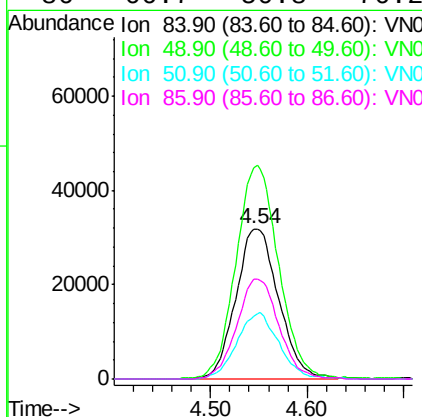
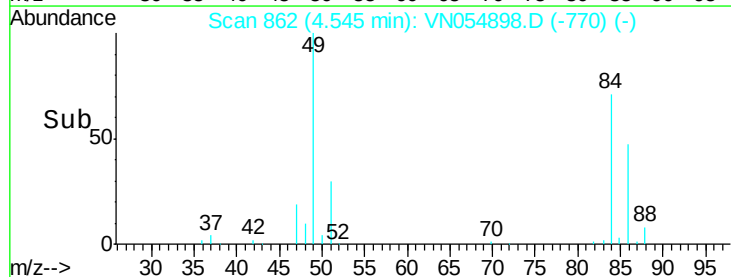
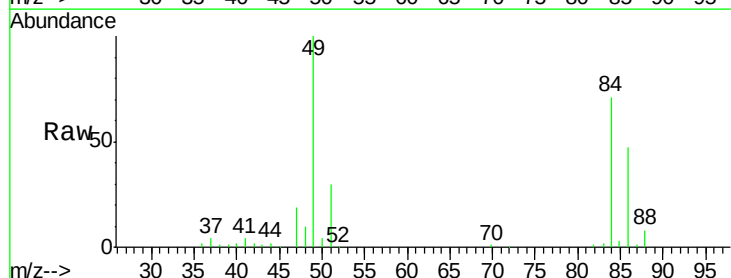
Manual Integrations
APPROVED

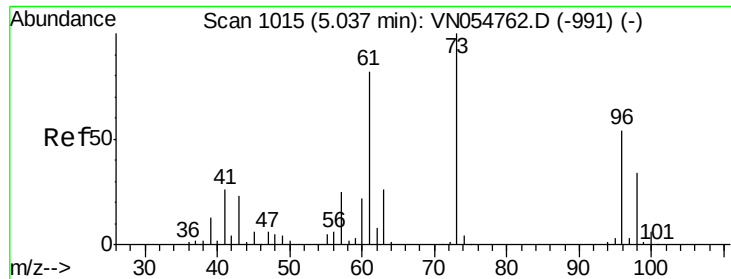
MMDadoda
4/3/2019 10:43:59 AM



#20
Methylene Chloride
Concen: 21.727 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Tgt Ion: 84 Resp: 98012
Ion Ratio Lower Upper
84 100
49 140.6 89.7 134.5#
51 41.8 28.2 42.4
86 66.7 50.8 76.2





#21

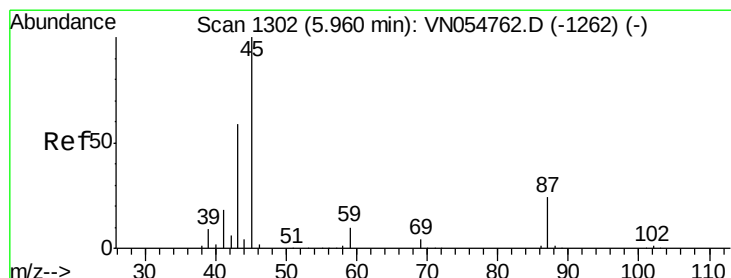
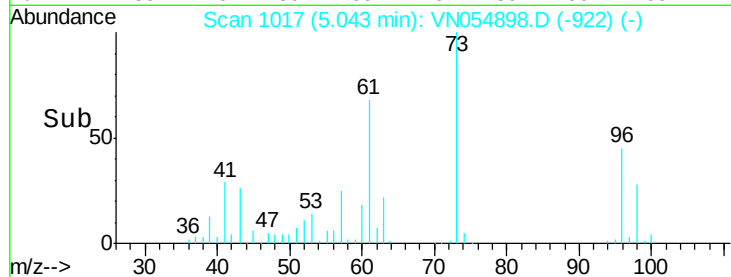
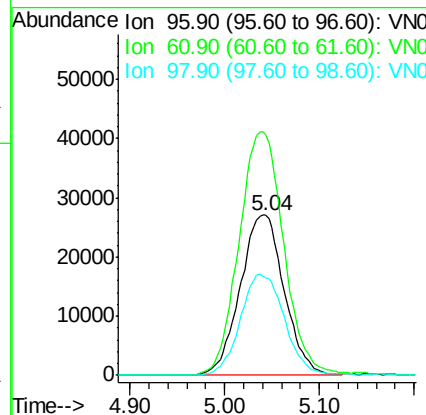
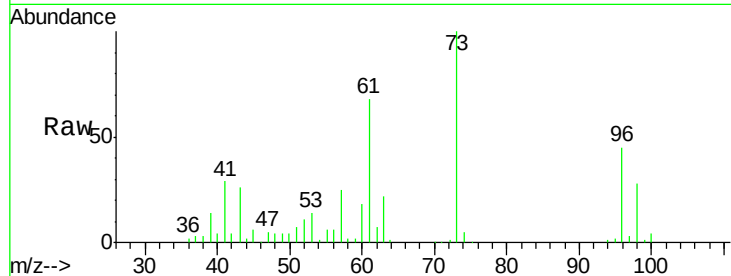
trans-1,2-Dichloroethene
Concen: 21.290 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.4	102.8	154.2
98	60.8	50.0	75.0

Manual Integrations
APPROVED

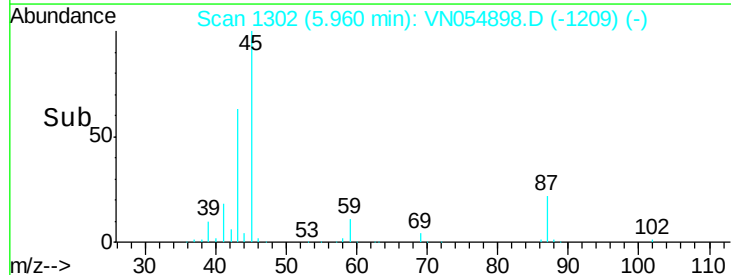
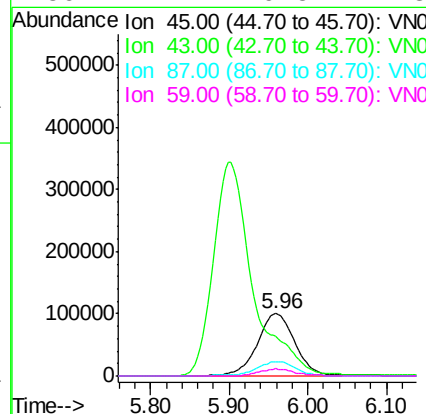
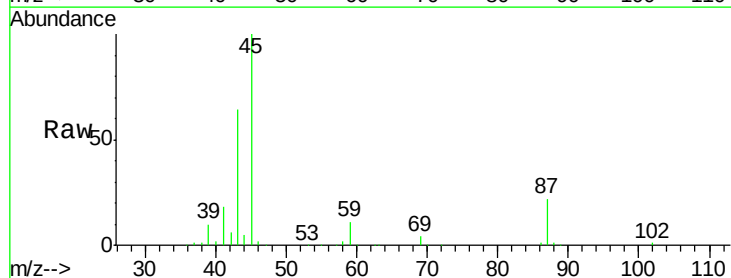
MMDadoda
4/3/2019 10:43:59 AM

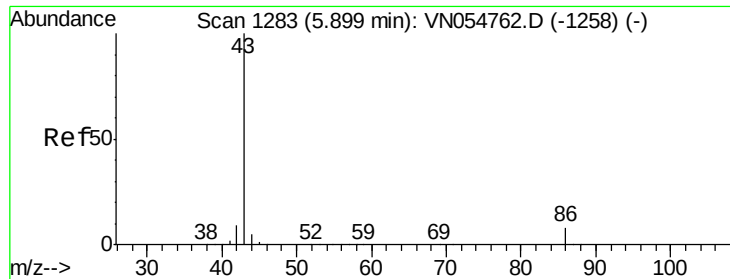


#22

Diisopropyl ether
Concen: 22.373 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.8	48.2	72.2
87	22.0	24.9	37.3
59	11.2	9.5	14.3





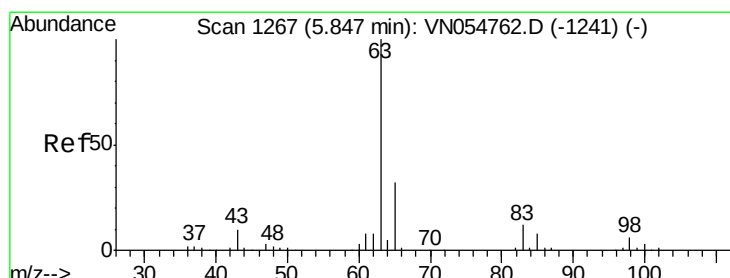
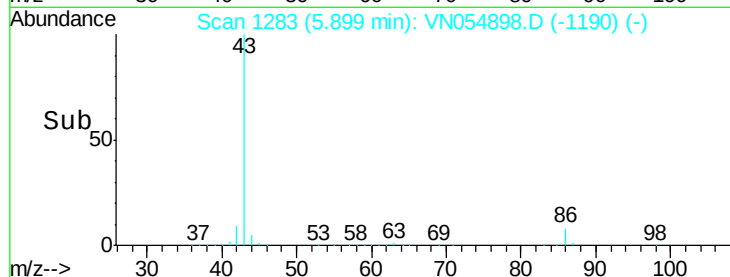
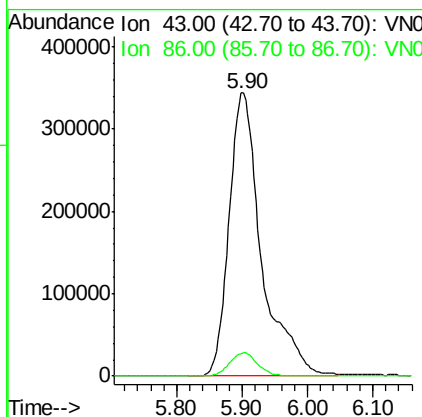
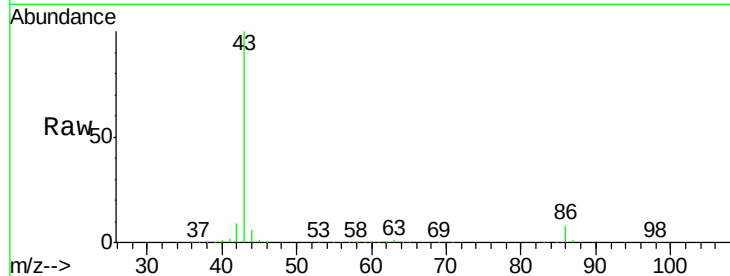
#23
 Vinyl Acetate
 Concen: 112.135 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBSD01

Tot Ion: 43 Resp: 1188838
 Ion Ratio Lower Upper
 43 100
 86 8.0 9.1 13.7#

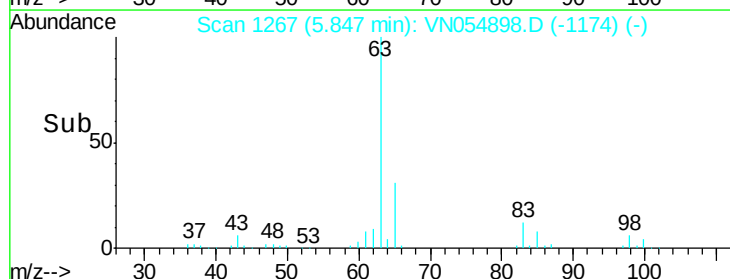
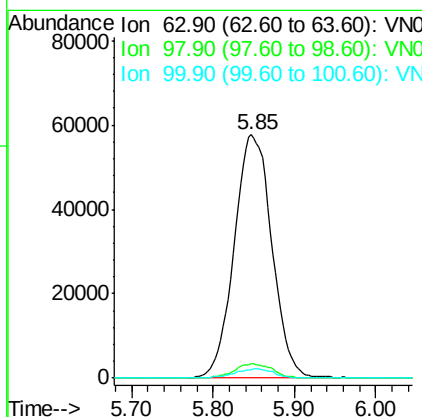
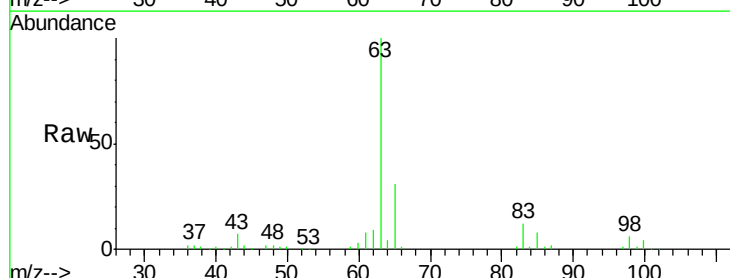
Manual Integrations
 APPROVED

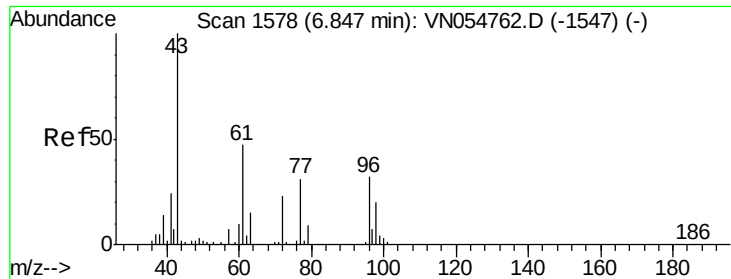
MMDadoda
 4/3/2019 10:43:59 AM



#24
 1,1-Dichloroethane
 Concen: 22.667 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Tgt Ion: 63 Resp: 184209
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.5 10.5
 100 3.5 2.0 6.0





#25

2-Butanone

Concen: 116.269 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBSD01

Tot Ion: 43 Resp: 219794

Ion Ratio Lower Upper

43 100

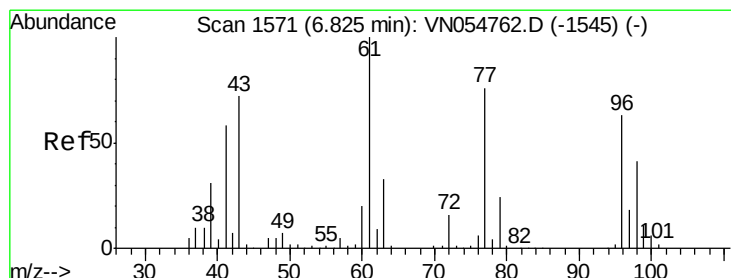
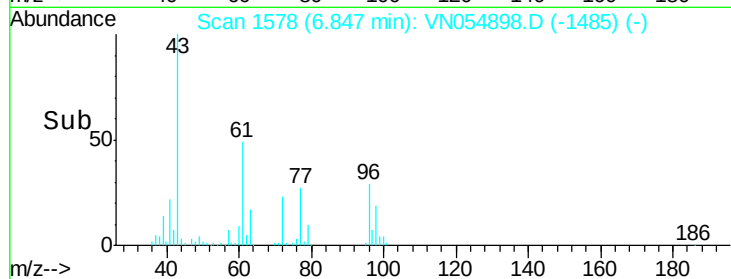
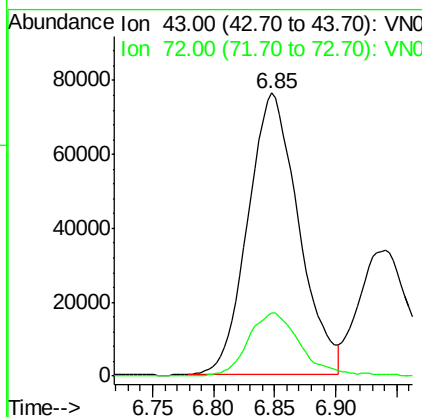
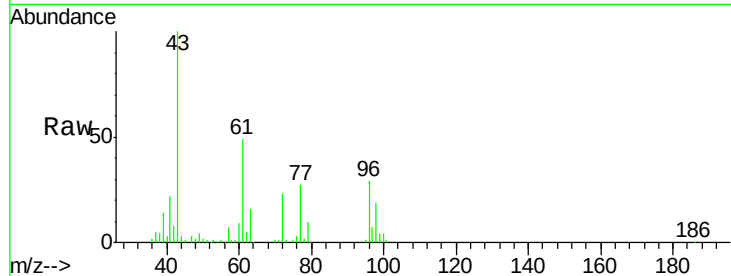
72 22.6 23.0 34.6#

Manual Integrations

APPROVED

MMDadoda

4/3/2019 10:43:59 AM



#26

2,2-Dichloropropane

Concen: 20.816 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054898.D

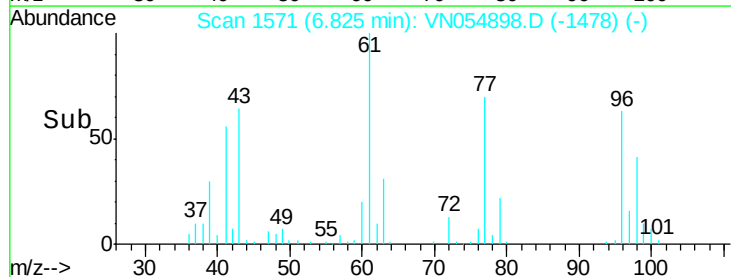
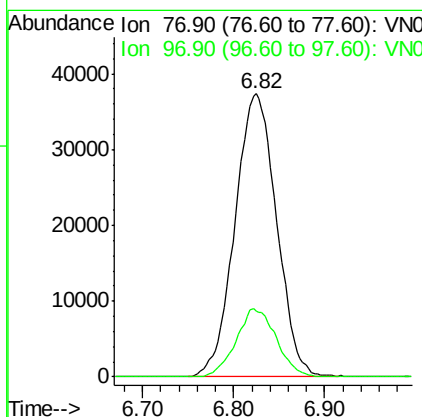
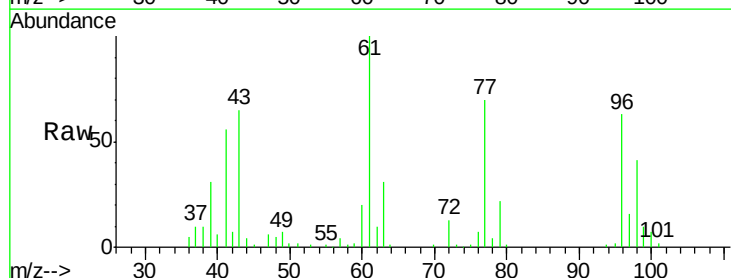
Acq: 2 Apr 2019 13:39

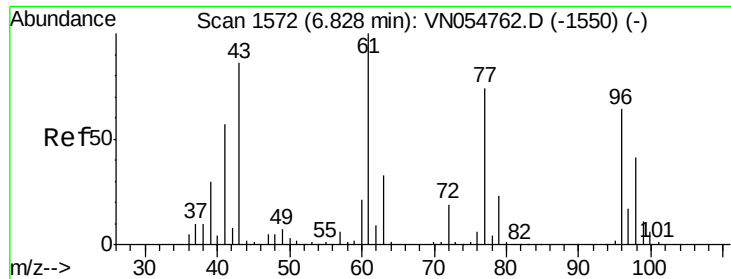
Tgt Ion: 77 Resp: 118564

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.523 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

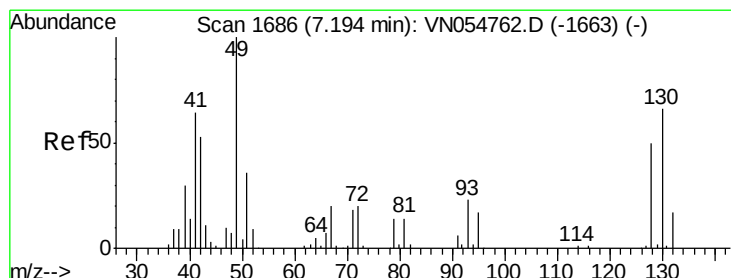
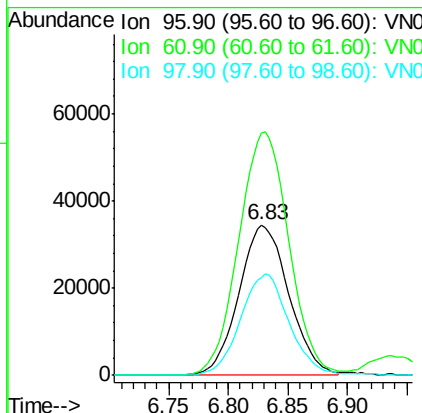
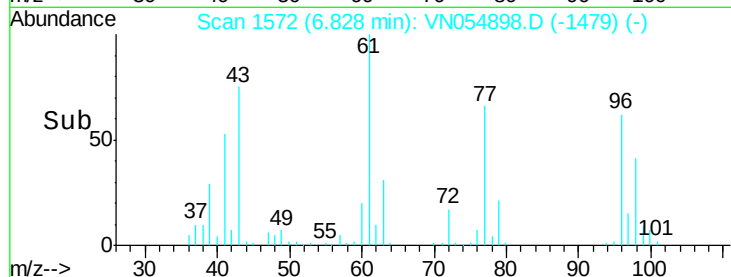
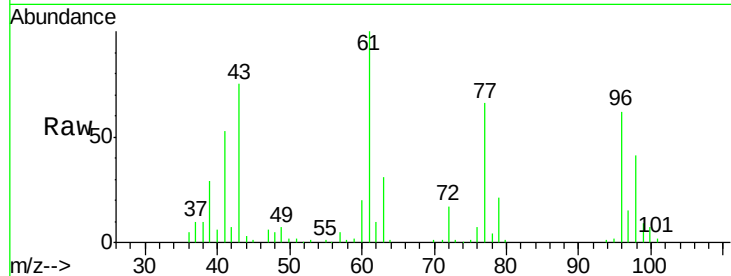
ClientSampled :

VN0402WBSD01

Tot Ion:	96	Resp:	99872
Ion	Ratio	Lower	Upper
96	100		
61	163.5	0.0	273.0
98	65.8	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM



#28

Bromochloromethane

Concen: 23.093 ug/l

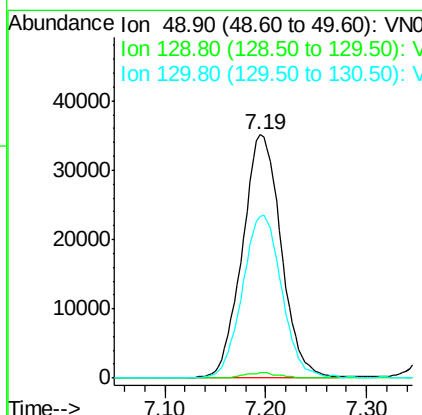
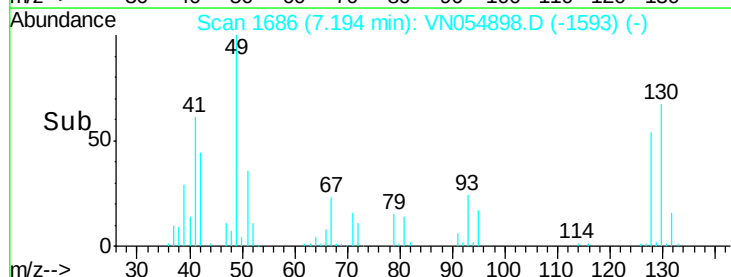
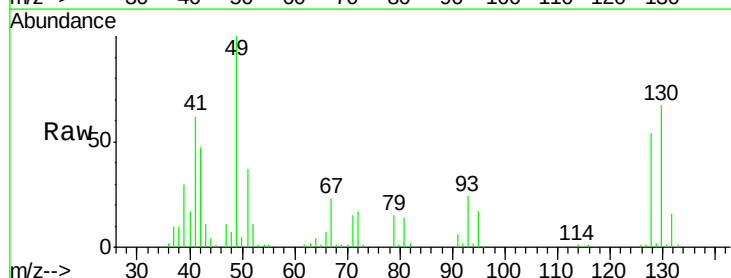
RT: 7.19 min Scan# 1686

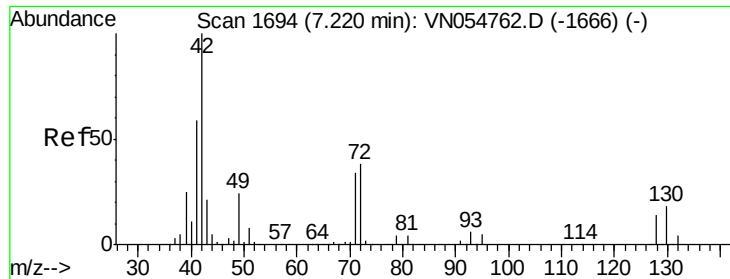
Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Tgt Ion:	49	Resp:	93841
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	67.4	76.7	115.1#





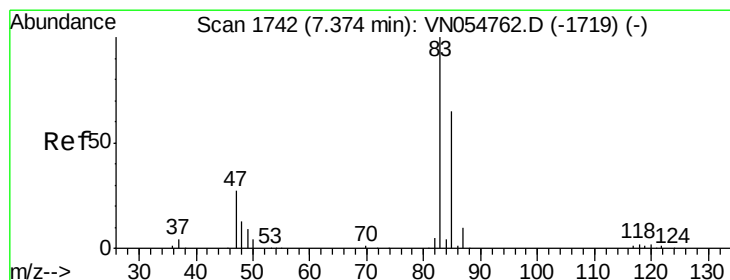
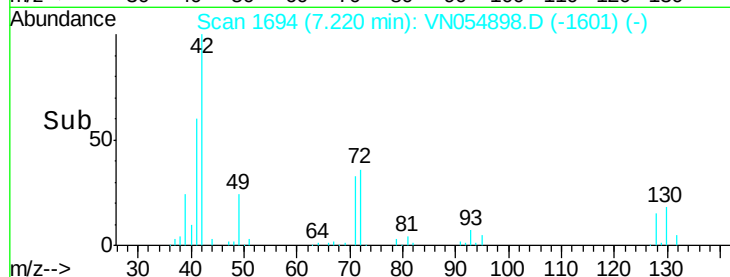
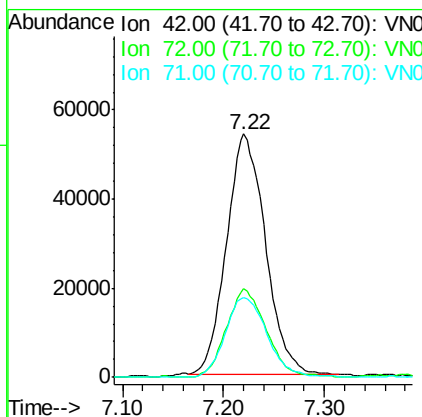
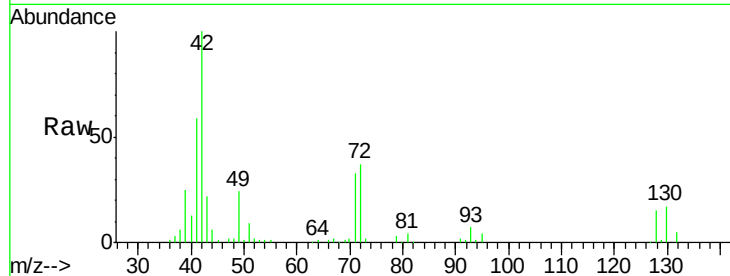
#29
Tetrahydrofuran
Concen: 110.723 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0402WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	37.8	56.6#
71	35.3	36.2	54.2#

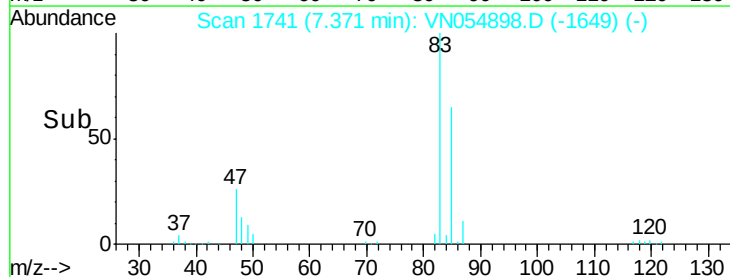
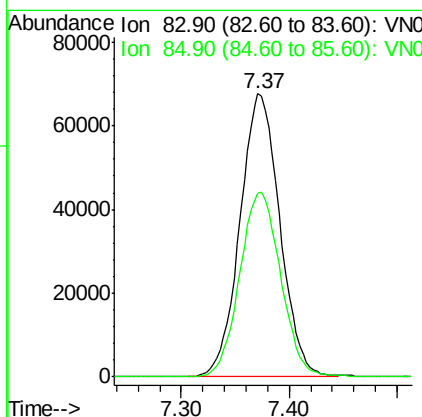
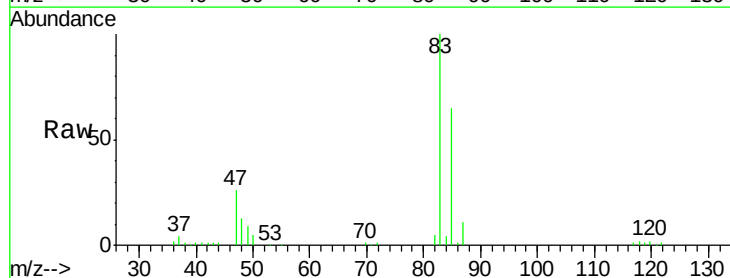
Manual Integrations
APPROVED

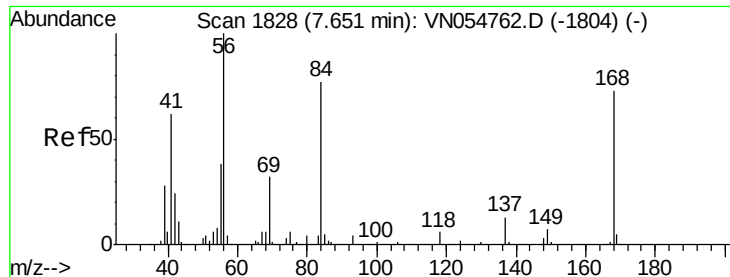
MMDadoda
4/3/2019 10:43:59 AM



#30
Chloroform
Concen: 22.432 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.4





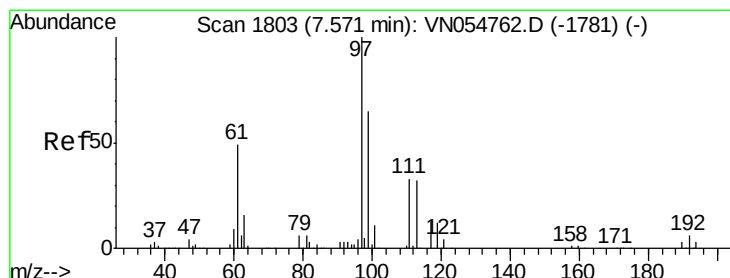
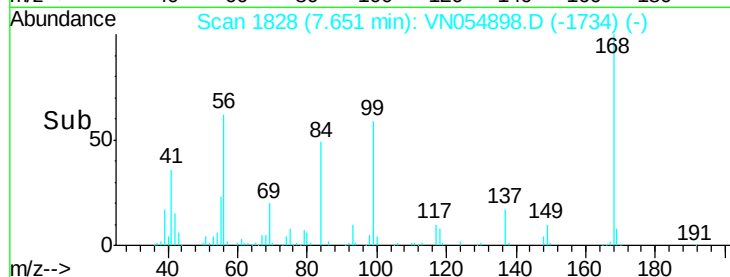
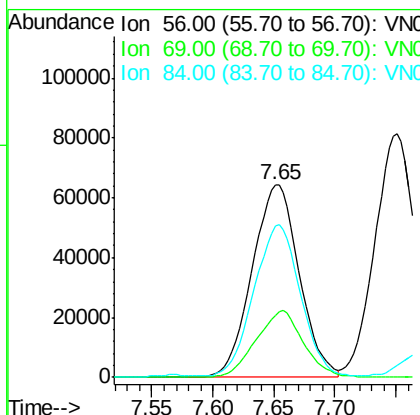
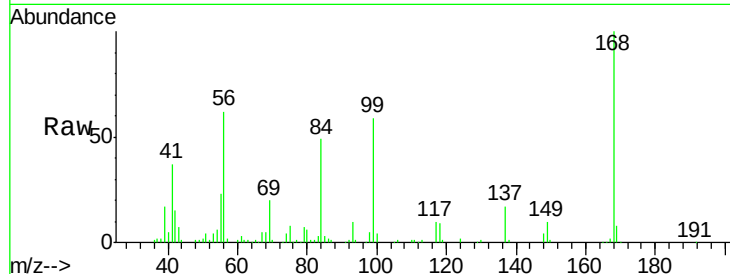
#31
Cyclohexane
Concen: 22.113 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0402WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	27.8	41.6
84	77.6	74.6	111.8

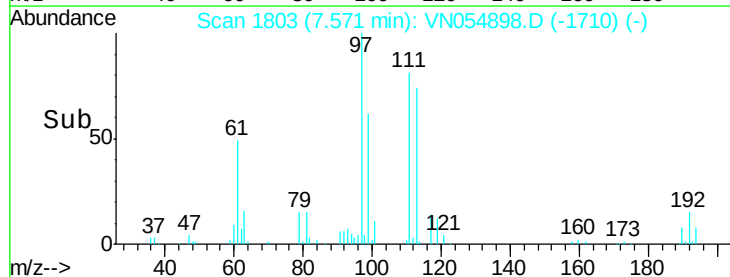
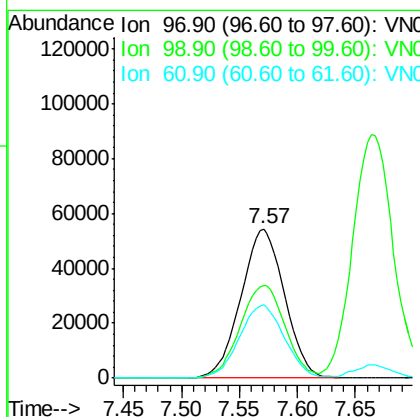
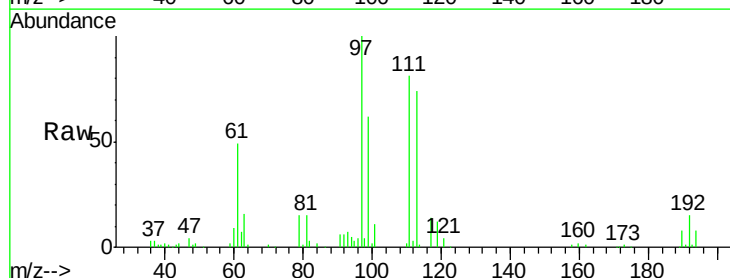
Manual Integrations
APPROVED

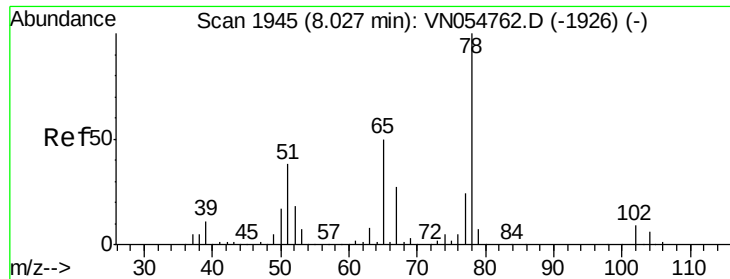
MMDadoda
4/3/2019 10:43:59 AM



#32
1,1,1-Trichloroethane
Concen: 22.182 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	50.4	33.6	50.4#





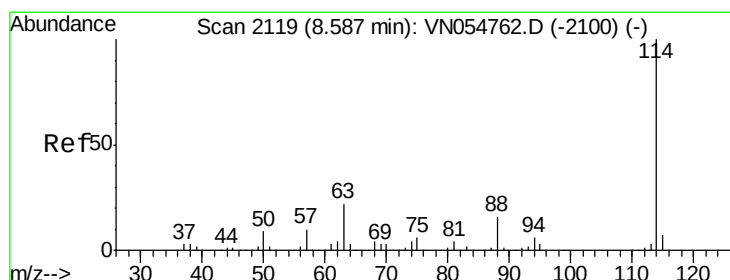
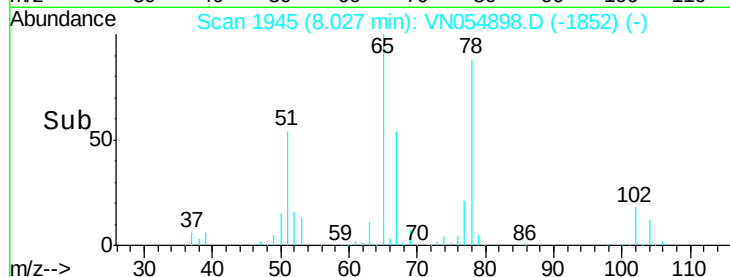
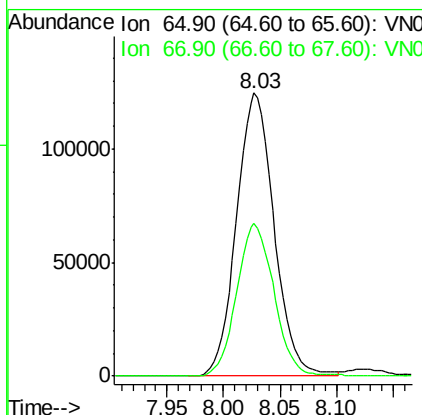
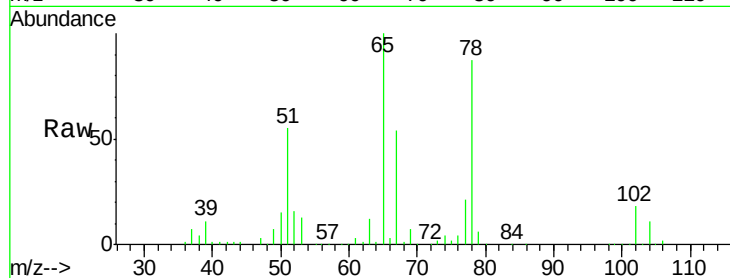
#33
 1,2-Dichloroethane-d4
 Concen: 53.840 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	288738		
67	53.6	0.0	104.6	

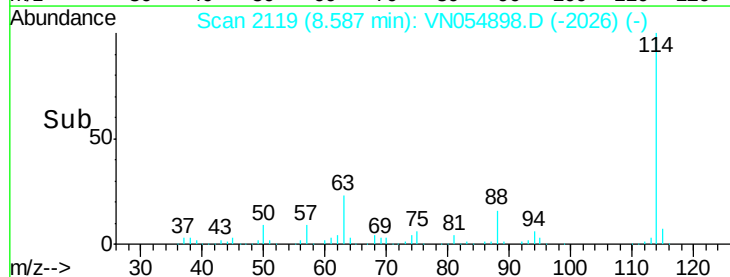
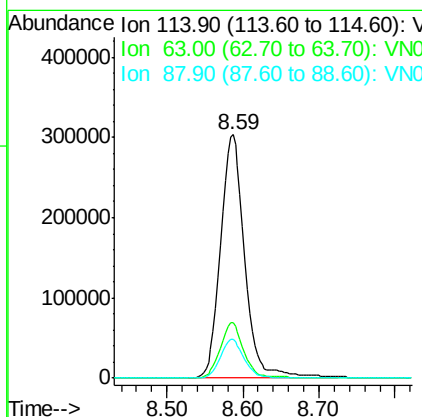
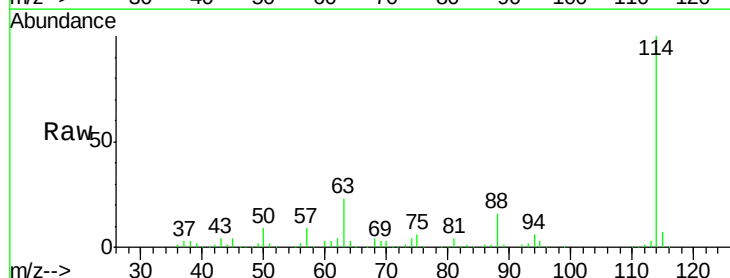
Manual Integrations
 APPROVED

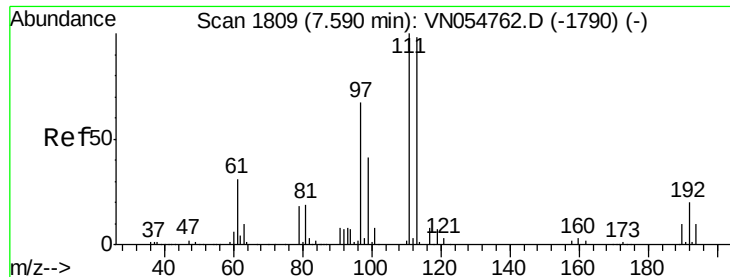
MMDadoda
 4/3/2019 10:43:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	673403		
63	22.6	0.0	35.2	
88	15.9	0.0	30.2	





#35

Dibromofluoromethane

Concen: 51.468 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

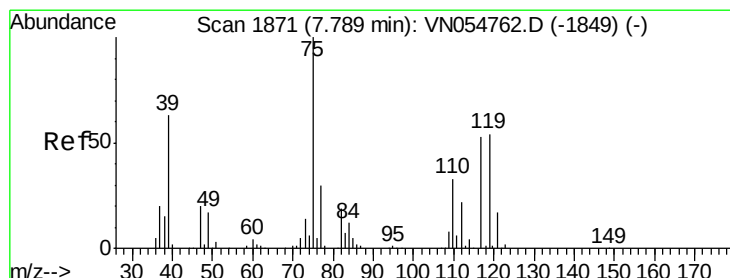
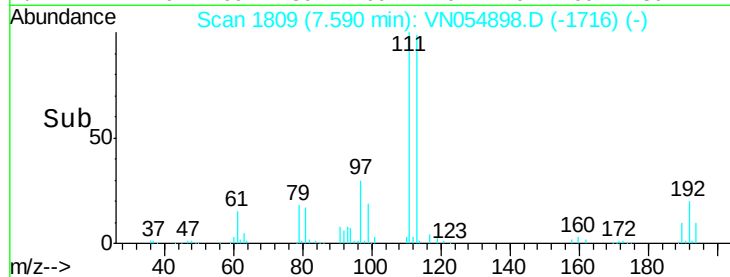
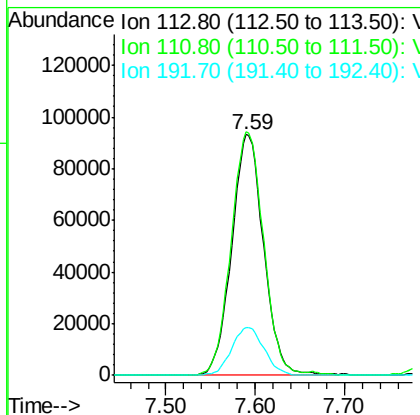
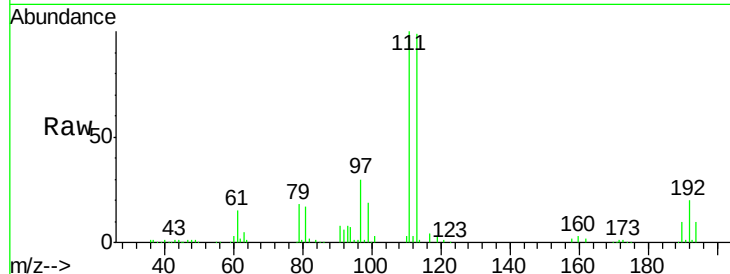
ClientSampleId :

VN0402WBSD01

Tot Ion:	113	Resp:	231067
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.2	123.4
192	20.3	19.2	28.8

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM



#36

1,1-Dichloropropene

Concen: 20.266 ug/l

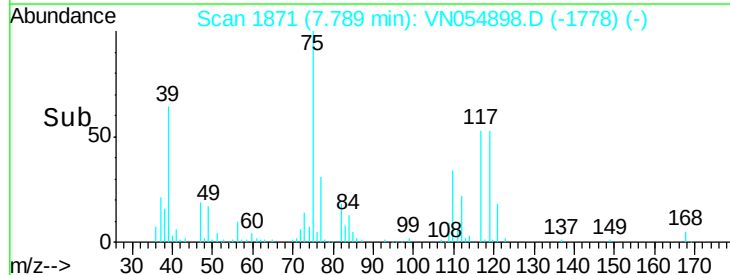
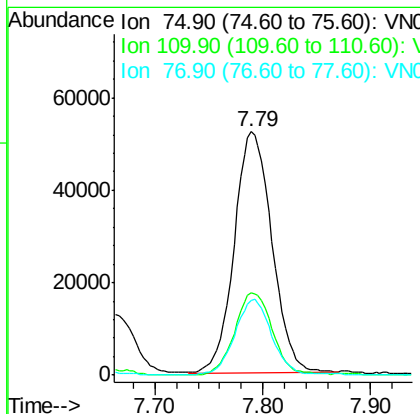
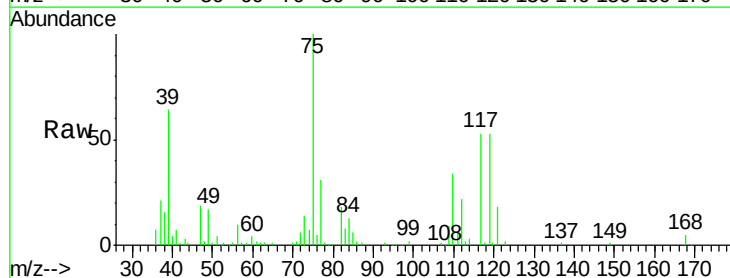
RT: 7.79 min Scan# 1871

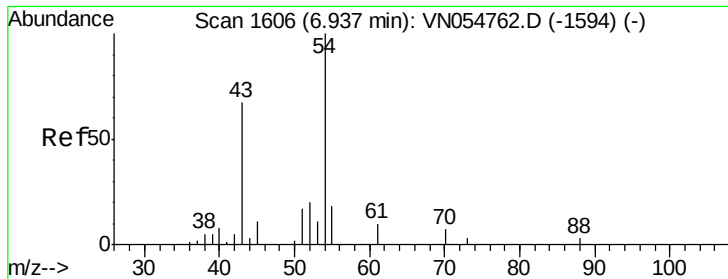
Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Tgt Ion:	75	Resp:	127164
Ion Ratio	Lower	Upper	
75	100		
110	34.3	19.1	57.5
77	30.7	25.0	37.4





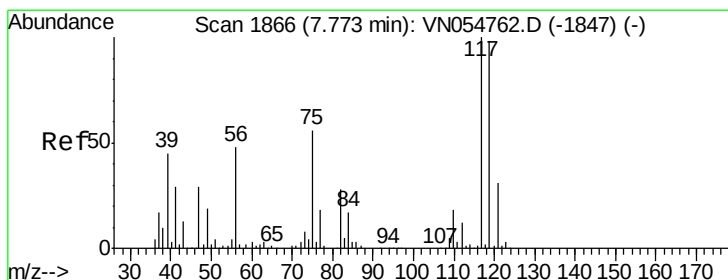
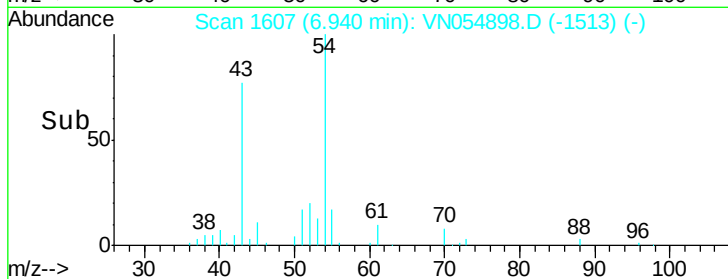
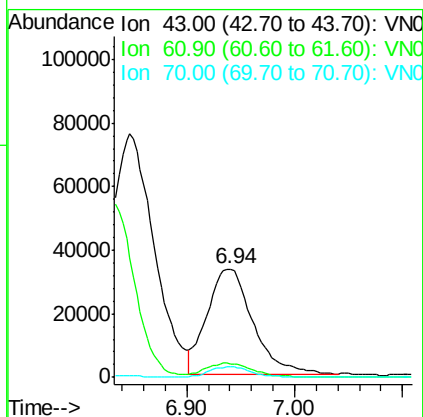
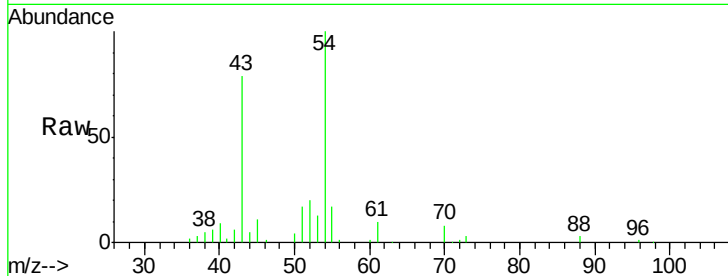
#37
Ethyl Acetate
Concen: 21.349 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBSD01

Tot Ion	43	61	70
Resp	98237		
Ratio	100	13.1	9.5
Lower		11.8	8.4
Upper		17.6	12.6

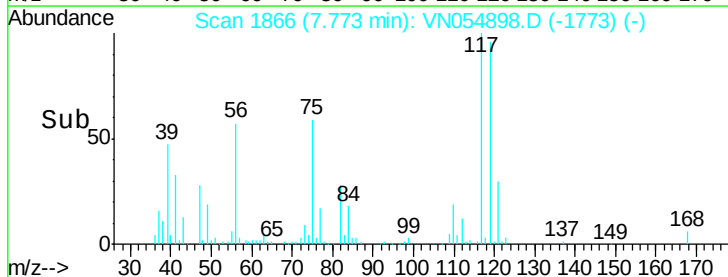
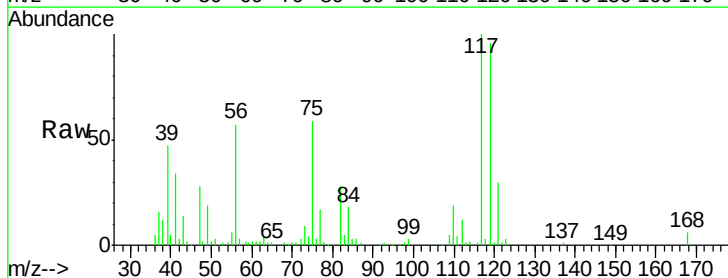
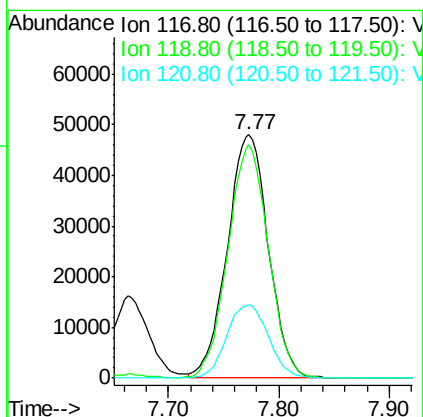
Manual Integrations
APPROVED

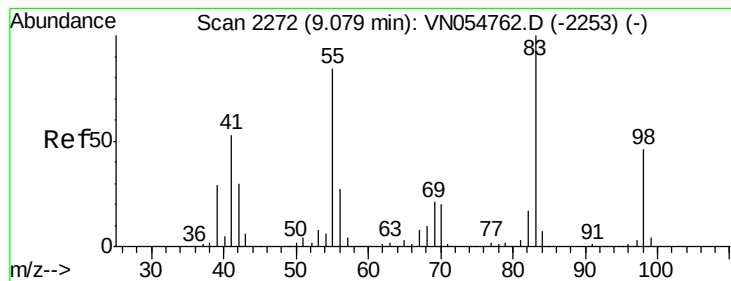
MMDadoda
4/3/2019 10:43:59 AM



#38
Carbon Tetrachloride
Concen: 20.330 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Tgt Ion	117	119	121
Resp	123902		
Ratio	100	95.9	30.0
Lower		76.3	24.6
Upper		114.5	36.8





#39

Methylvlcyclohexane

Concen: 20.499 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

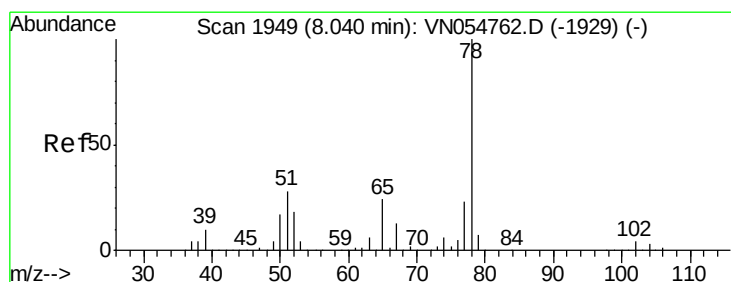
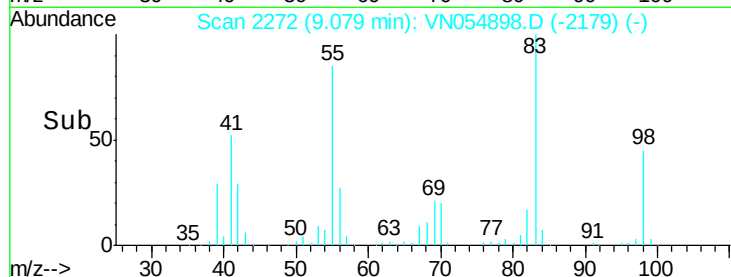
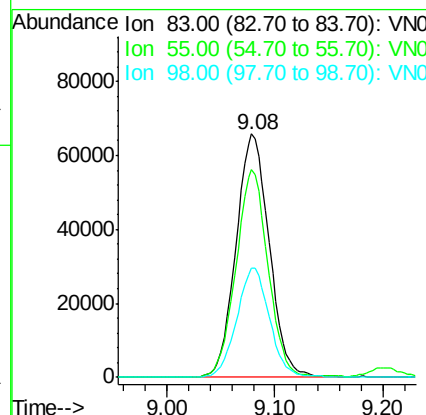
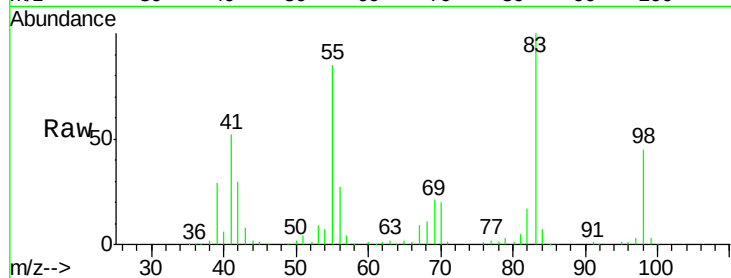
ClientSampleId :

VN0402WBSD01

Tot Ion:	83	Resp:	141414
Ion	Ratio	Lower	Upper
83	100		
55	84.8	56.6	84.8
98	44.8	38.4	57.6

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM



#40

Benzene

Concen: 21.907 ug/l

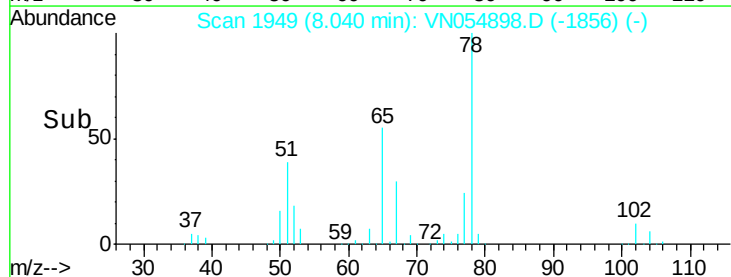
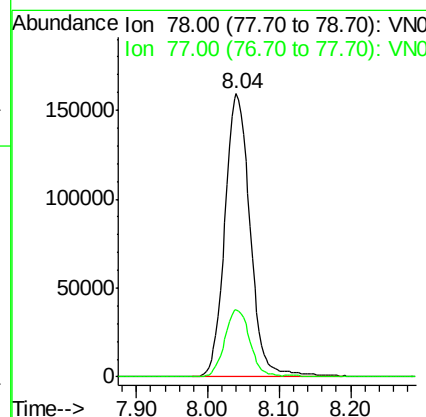
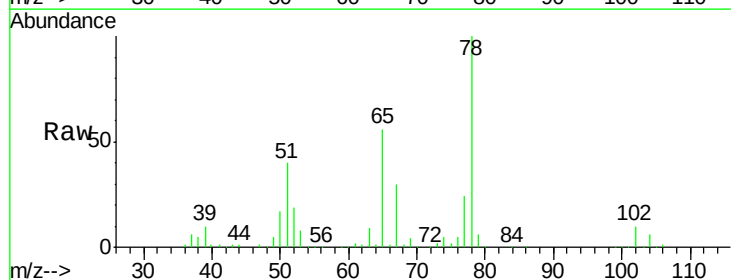
RT: 8.04 min Scan# 1949

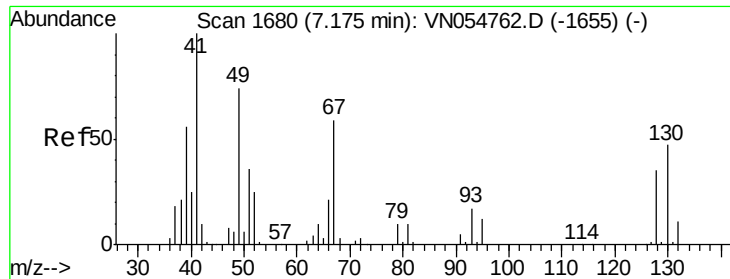
Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Tgt Ion:	78	Resp:	393330
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





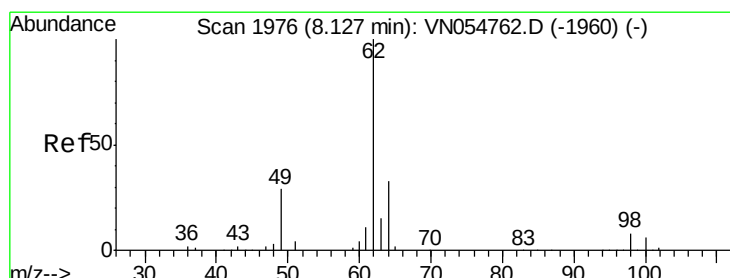
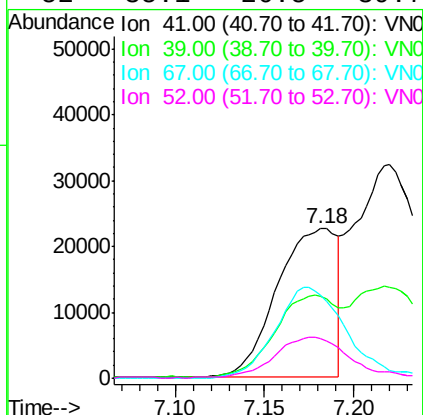
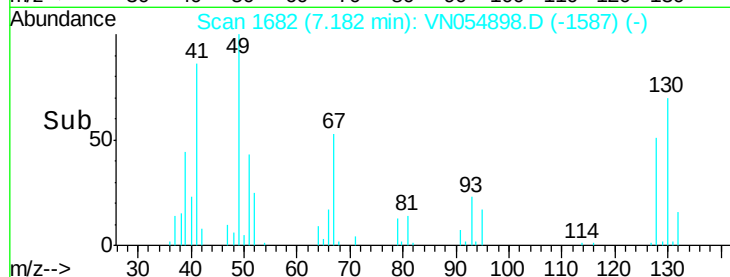
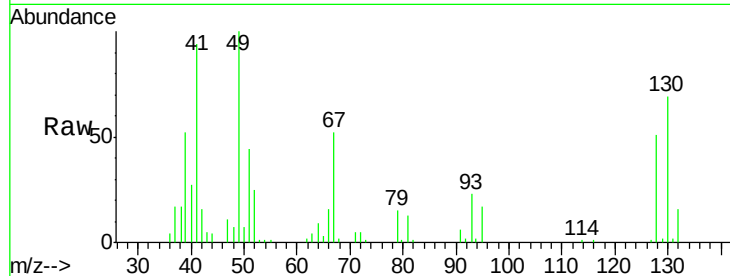
#41
Methacrylonitrile
Concen: 20.282 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0402WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.4	46.8	70.2	
67	73.1	67.0	100.4	
52	35.1	26.5	39.7	

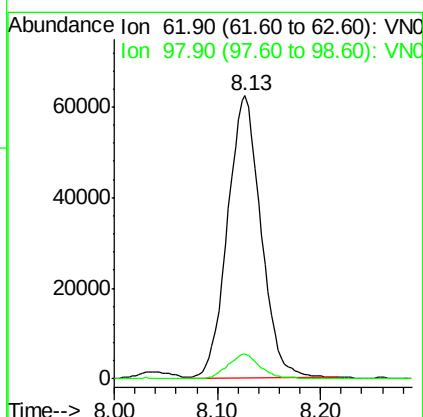
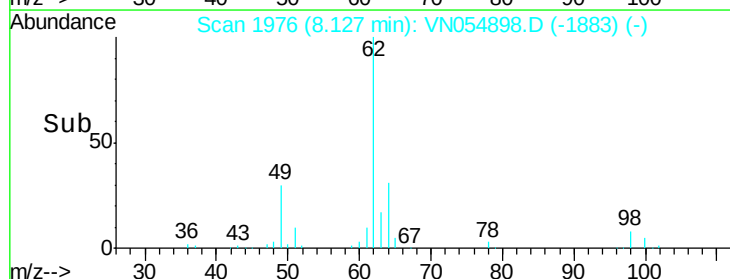
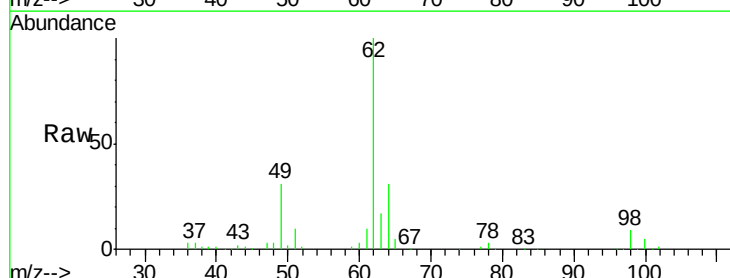
Manual Integrations
APPROVED

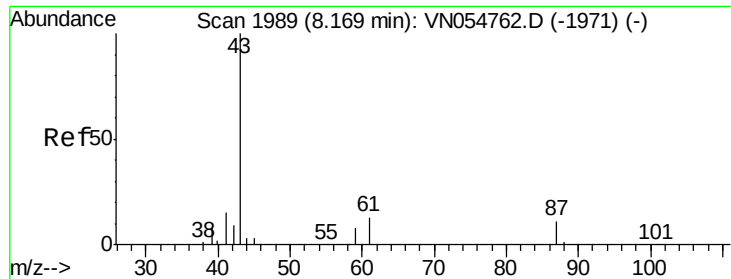
MMDadoda
4/3/2019 10:43:59 AM



#42
1,2-Dichloroethane
Concen: 21.969 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	18.4	





#43

Isopropyl Acetate

Concen: 22.133 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

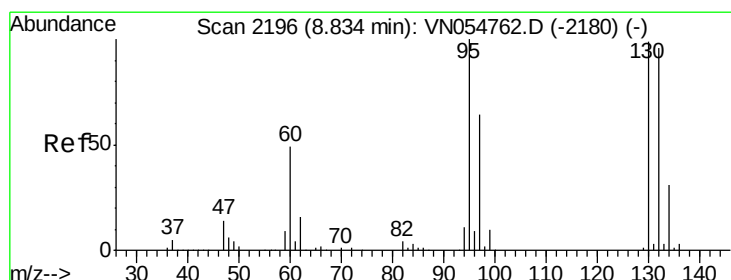
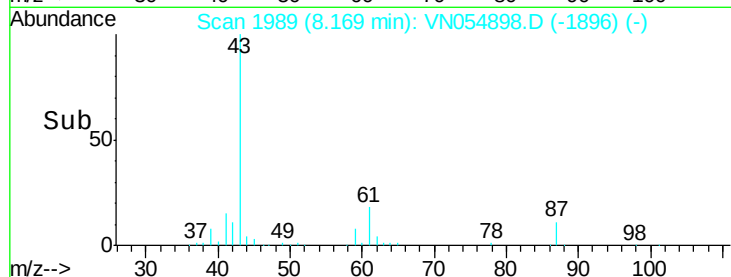
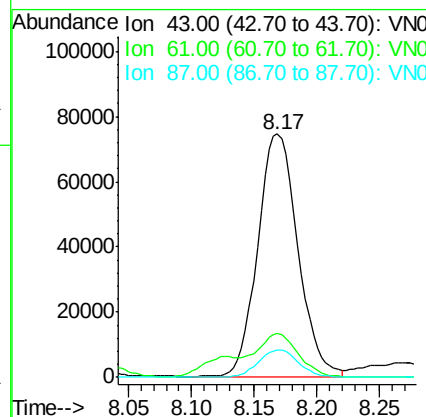
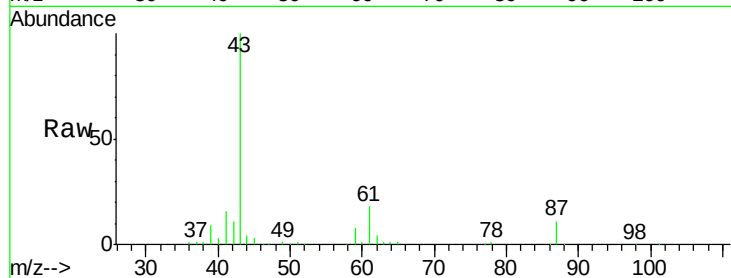
ClientSampleId :

VN0402WBSD01

Tot Ion:	43	Resp:	165486
Ion	Ratio	Lower	Upper
43	100		
61	17.6	15.8	23.8
87	11.3	12.0	18.0#

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM



#44

Trichloroethene

Concen: 21.500 ug/l

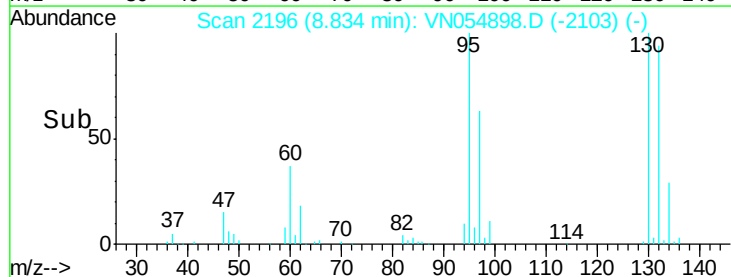
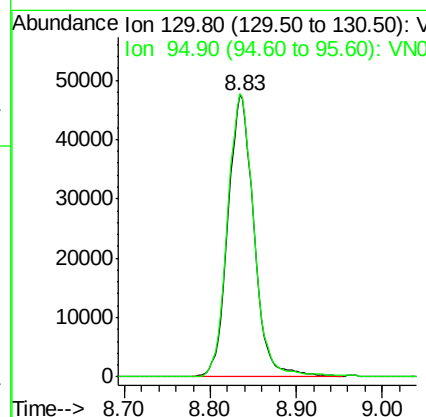
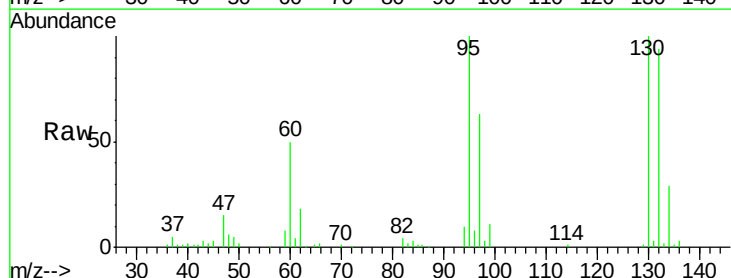
RT: 8.83 min Scan# 2196

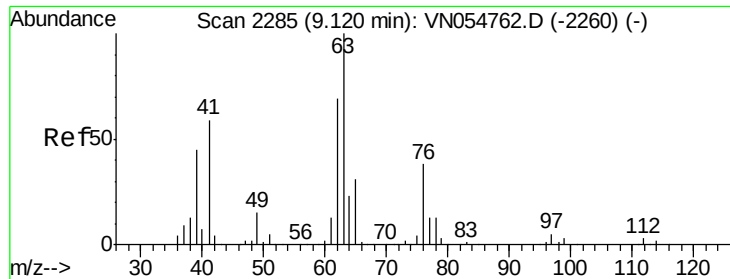
Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Tgt Ion:	130	Resp:	100206
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	185.2





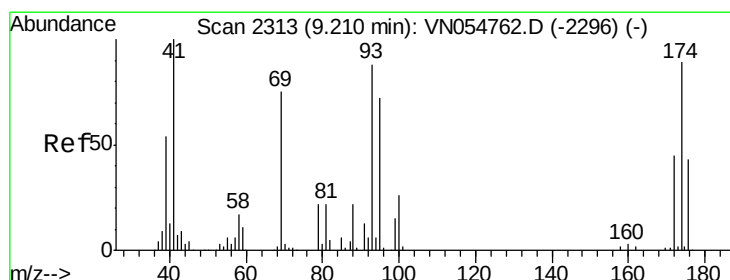
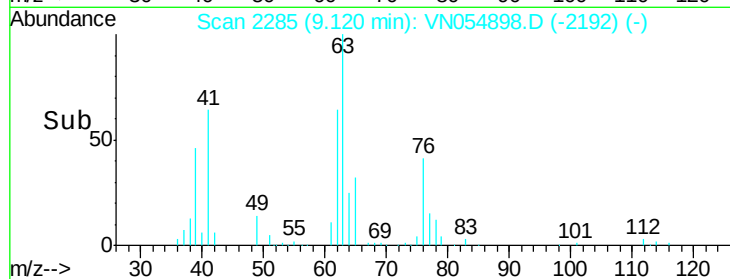
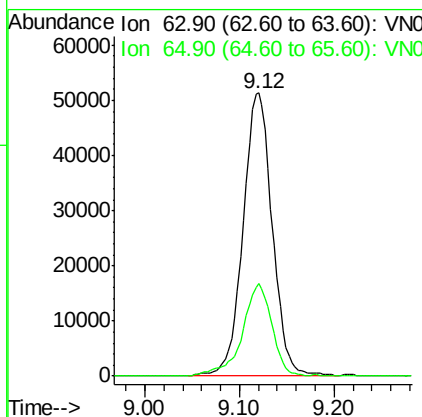
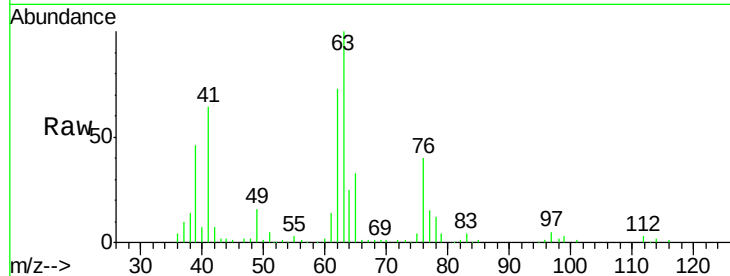
#45
 1,2-Dichloropropane
 Concen: 21.496 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBSD01

Tot Ion: 63 Resp: 110050
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.0 37.6

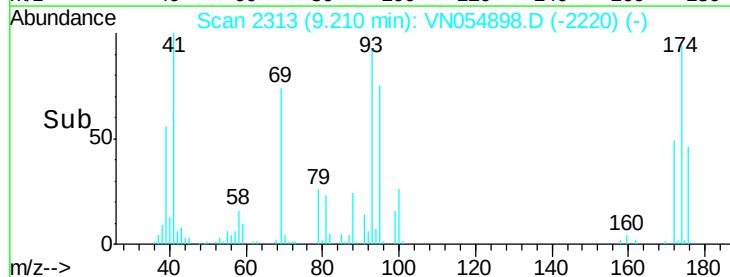
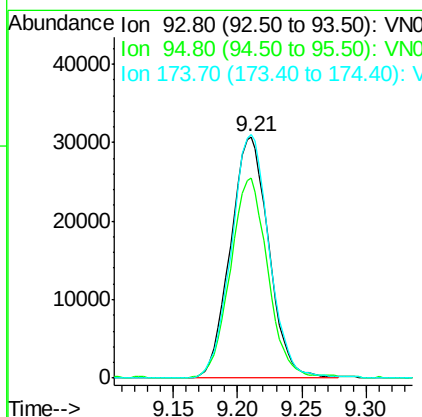
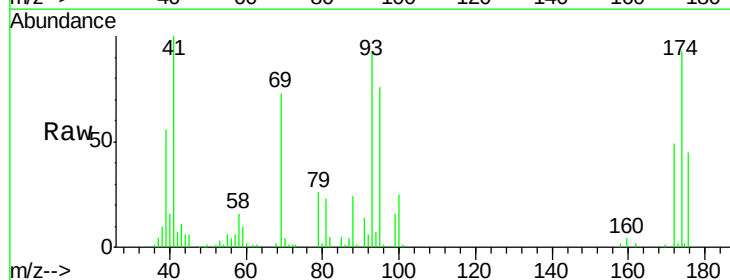
Manual Integrations
 APPROVED

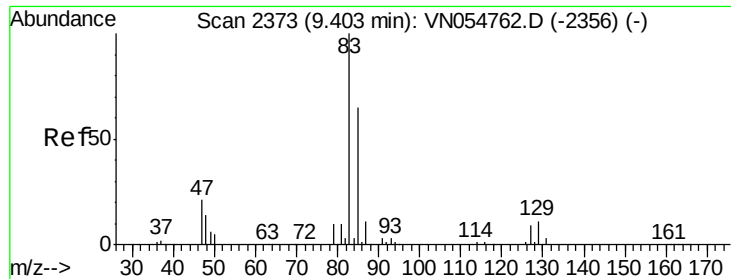
MMDadoda
 4/3/2019 10:43:59 AM



#46
 Dibromomethane
 Concen: 22.052 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Tgt Ion: 93 Resp: 63509
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.7 100.1
 174 100.2 98.5 147.7





#47

Bromodichloromethane

Concen: 22.289 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

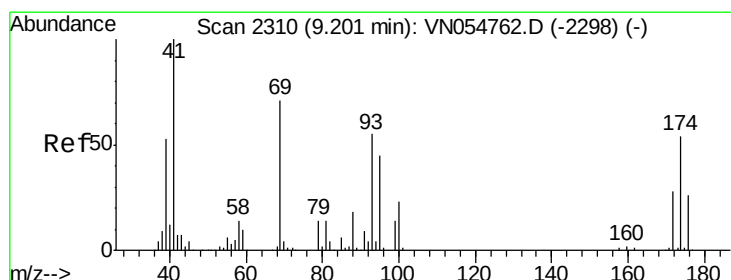
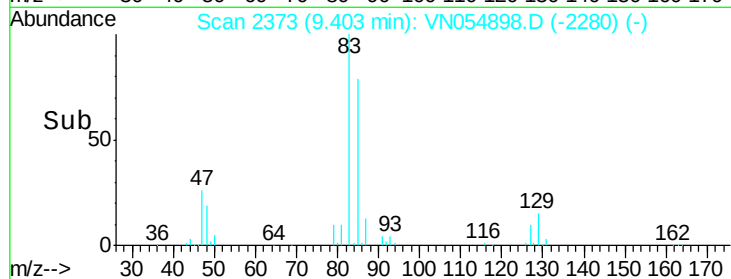
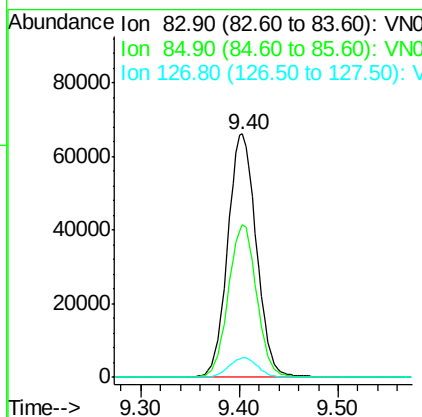
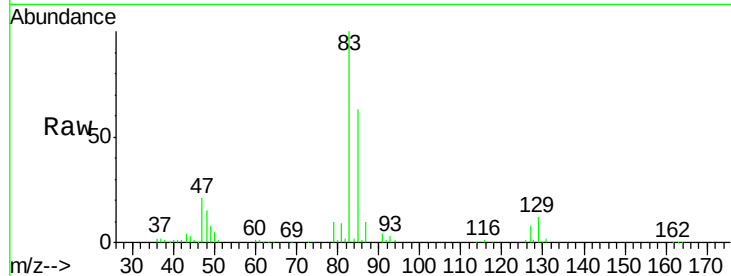
ClientSampleId :

VN0402WBSD01

Tot Ion:	83	Resp:	133411
Ion Ratio	Lower	Upper	
83	100		
85	62.8	52.8	79.2
127	8.0	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM



#48

Methyl methacrylate

Concen: 20.227 ug/l

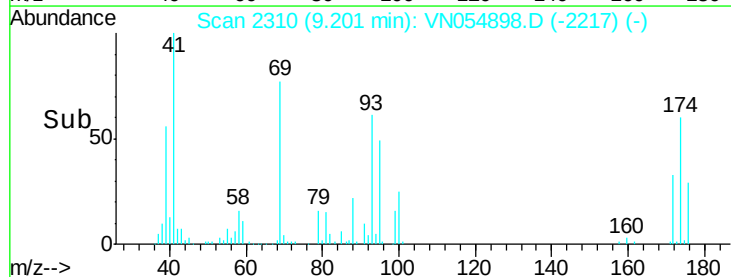
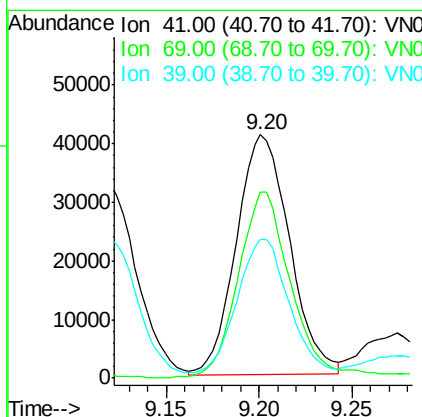
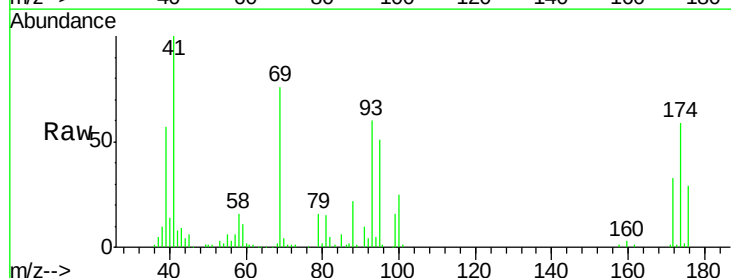
RT: 9.20 min Scan# 2310

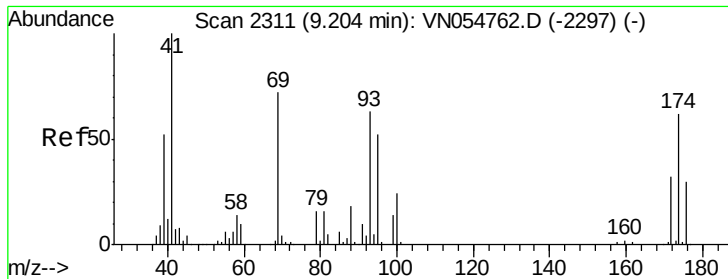
Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Tgt Ion:	41	Resp:	81980
Ion Ratio	Lower	Upper	
41	100		
69	77.7	72.6	108.8
39	57.2	47.5	71.3





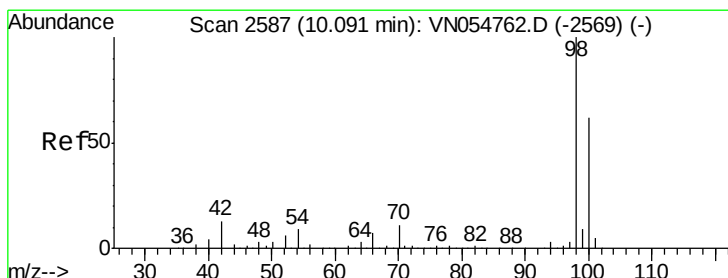
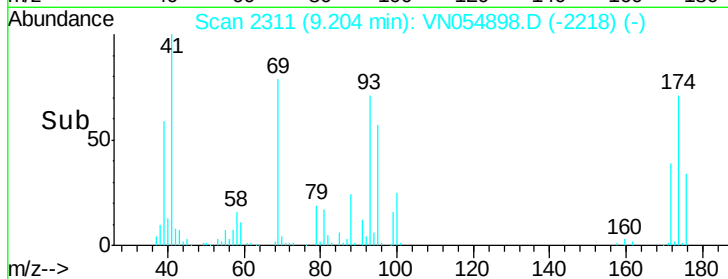
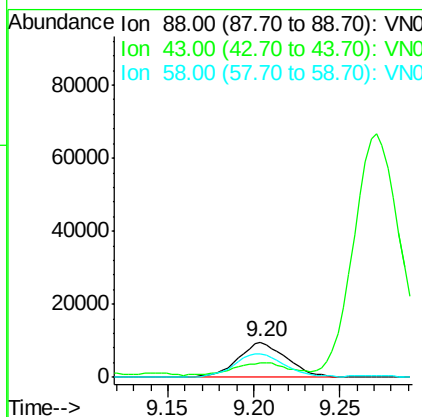
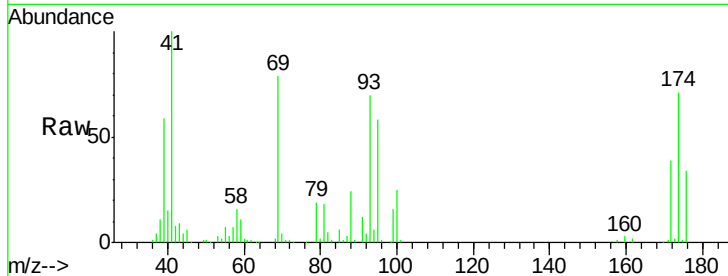
#49
1,4-Dioxane
Concen: 466.822 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBSD01

Tot Ion	88	Resp	18773
Ion	Ratio	Lower	Upper
88	100		
43	39.0	24.1	36.1#
58	70.4	50.8	76.2

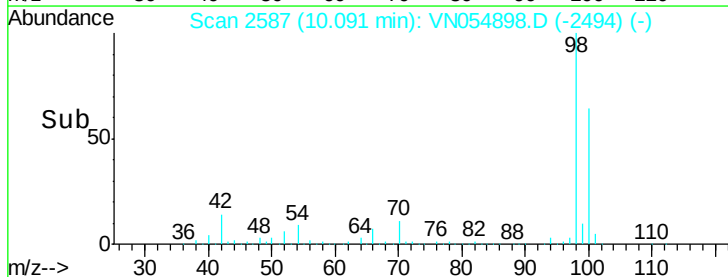
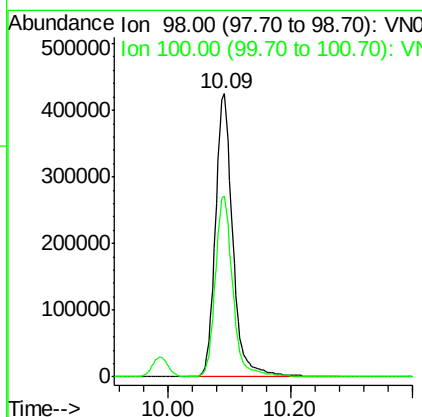
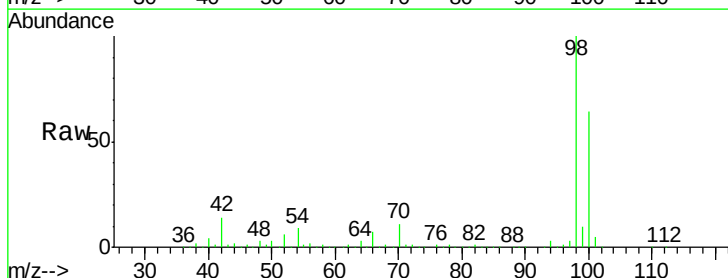
Manual Integrations
APPROVED

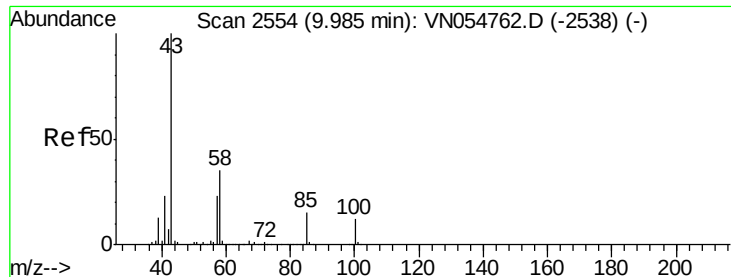
MMDadoda
4/3/2019 10:43:59 AM



#50
Toluene-d8
Concen: 50.584 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Tgt Ion	98	Resp	844308
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8





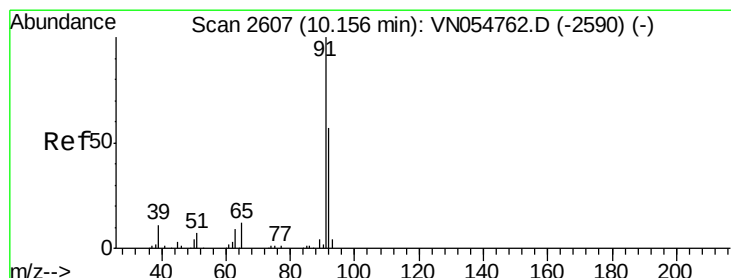
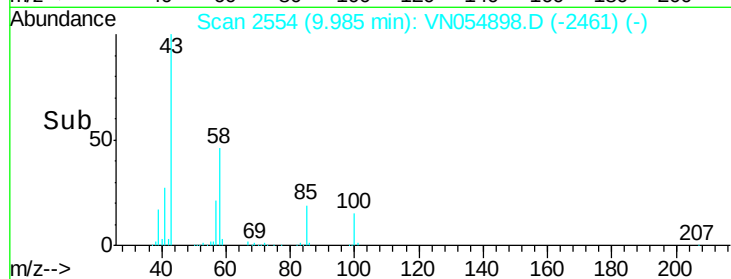
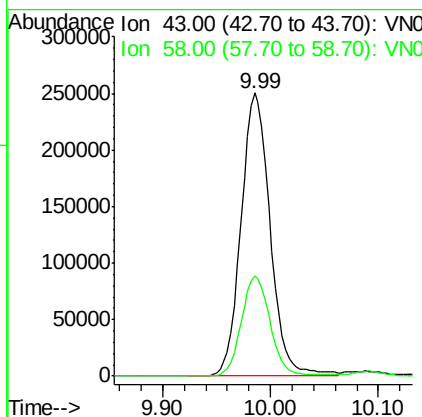
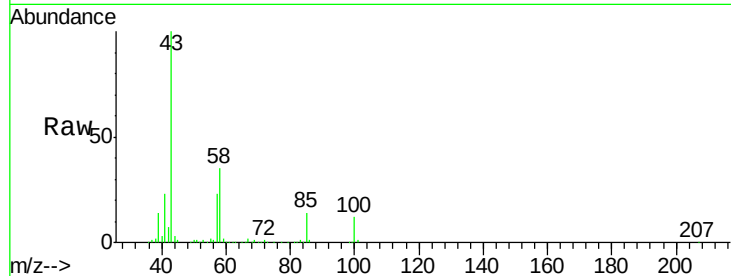
#51
 4-Methyl-2-Pentanone
 Concen: 111.218 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.1	31.8	47.6

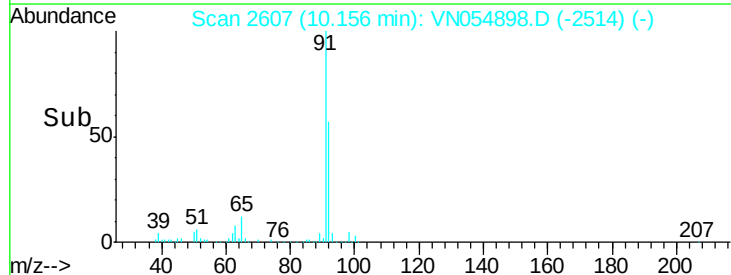
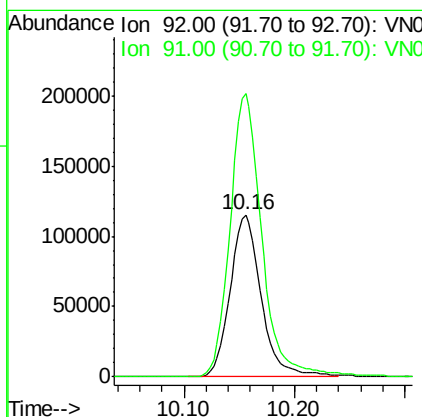
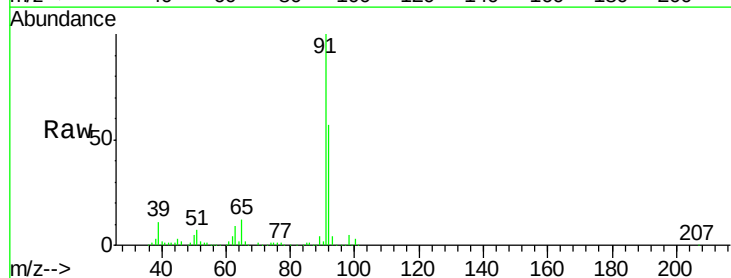
Manual Integrations
 APPROVED

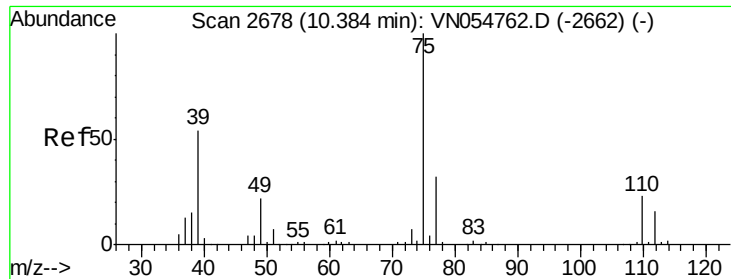
MMDadoda
 4/3/2019 10:43:59 AM



#52
 Toluene
 Concen: 21.144 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Tgt Ion	Ratio	Lower	Upper
92	100		
91	179.5	140.7	211.1





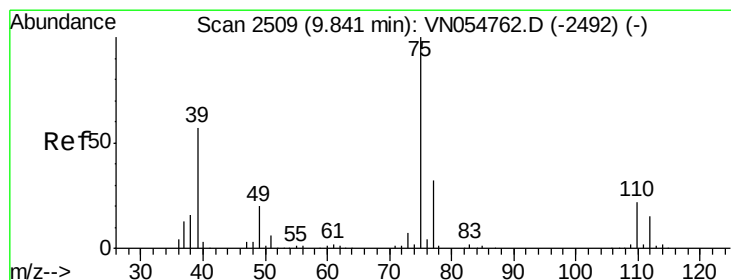
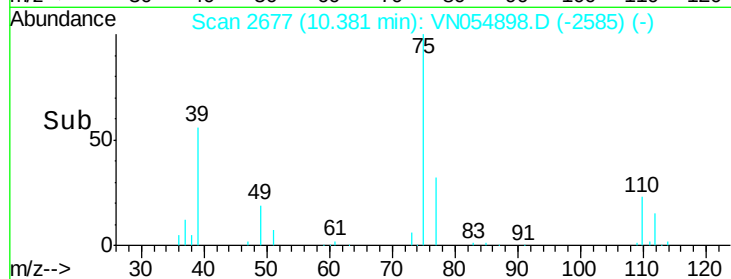
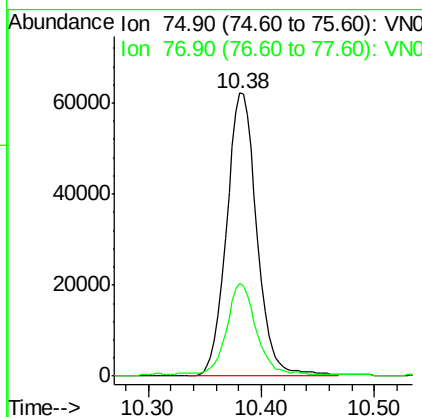
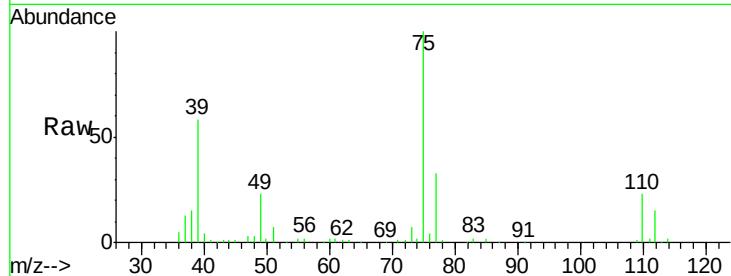
#53
 t-1,3-Dichloropropene
 Concen: 20.602 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBSD01

Tot Ion: 75 Resp: 115996
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.8

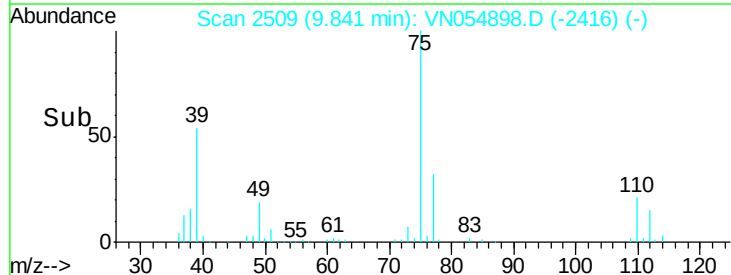
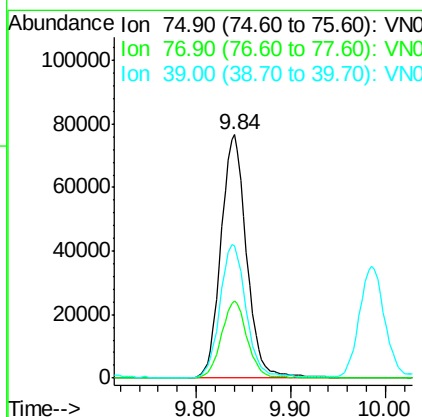
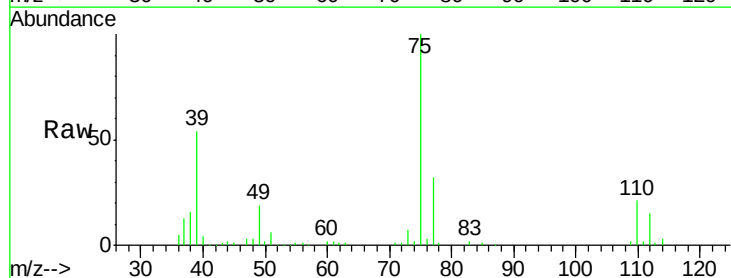
Manual Integrations
 APPROVED

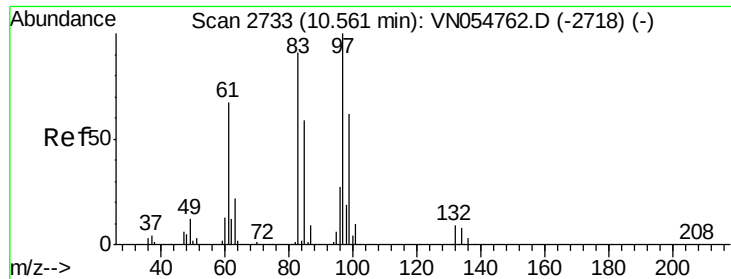
MMDadoda
 4/3/2019 10:43:59 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.468 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Tgt Ion: 75 Resp: 144384
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0
 39 54.1 37.2 55.8





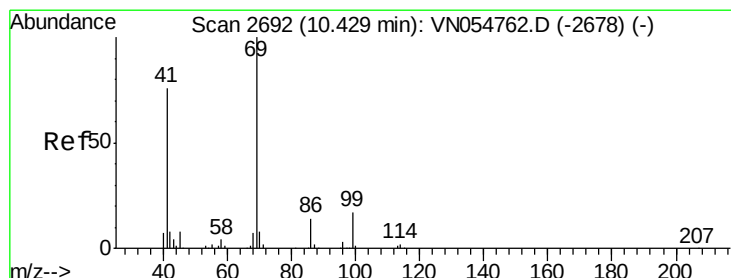
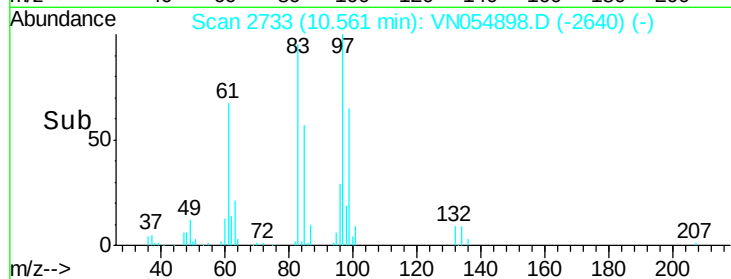
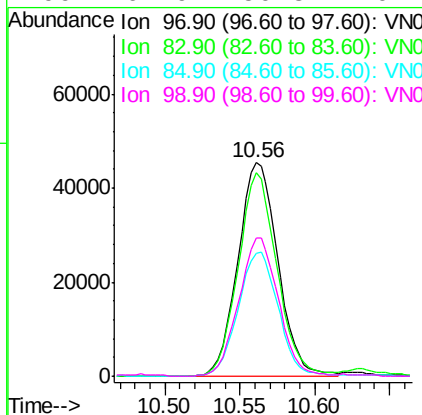
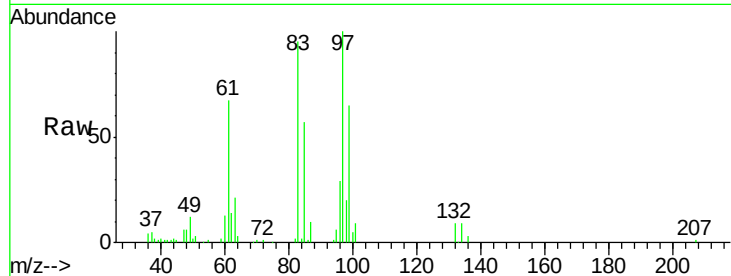
#55
 1,1,2-Trichloroethane
 Concen: 21.300 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBSD01

Tot Ion:	97	Resp:	84616
Ion	Ratio	Lower	Upper
97	100		
83	95.4	66.6	100.0
85	57.3	44.4	66.6
99	64.9	50.8	76.2

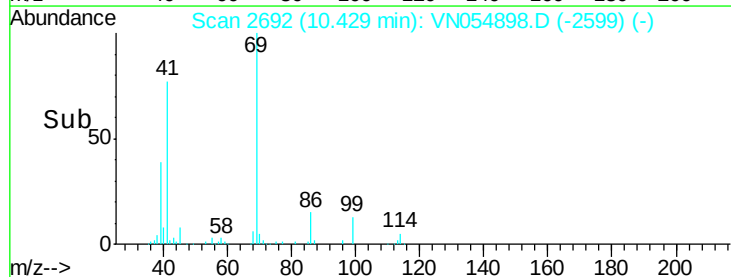
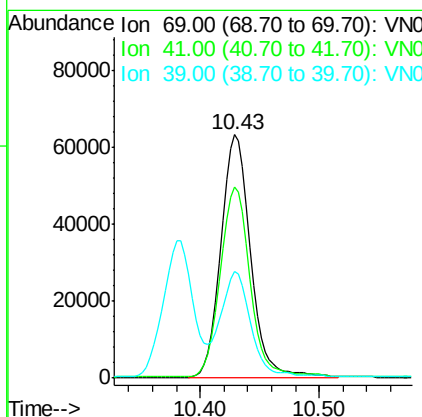
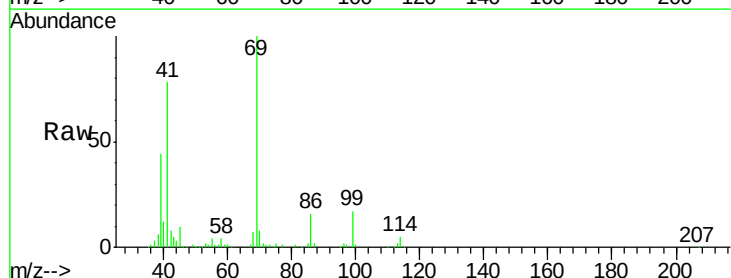
Manual Integrations
 APPROVED

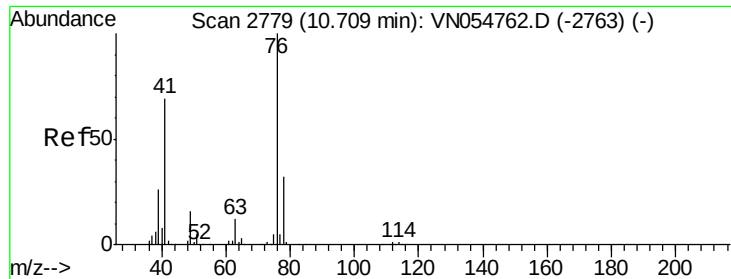
MMDadoda
 4/3/2019 10:43:59 AM



#56
 Ethyl methacrylate
 Concen: 21.175 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Tgt Ion:	69	Resp:	110346
Ion	Ratio	Lower	Upper
69	100		
41	77.9	49.4	74.2#
39	42.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.975 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0402WBSD01

Tot Ion: 76 Resp: 150084

Ion Ratio Lower Upper

76 100

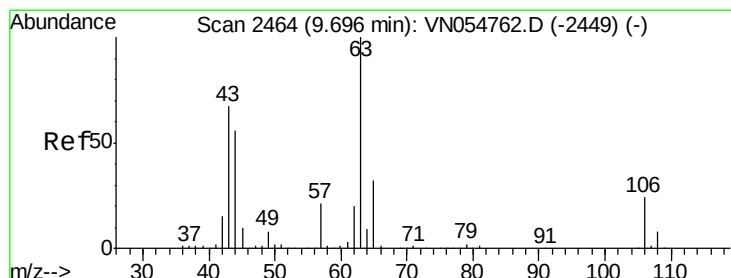
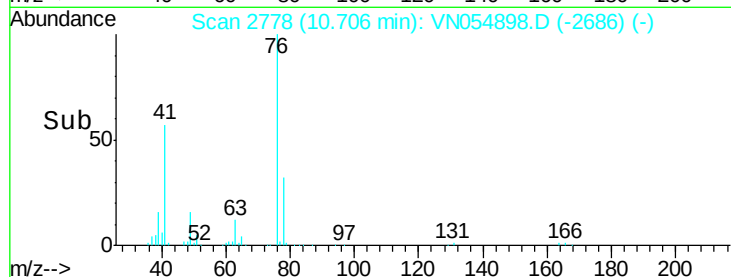
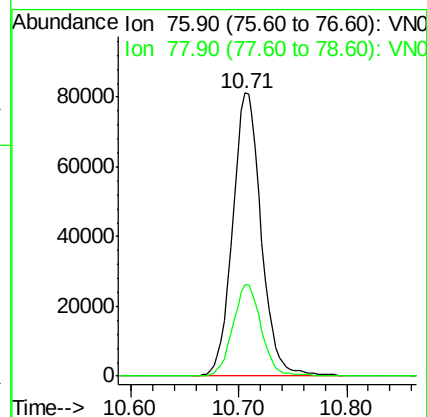
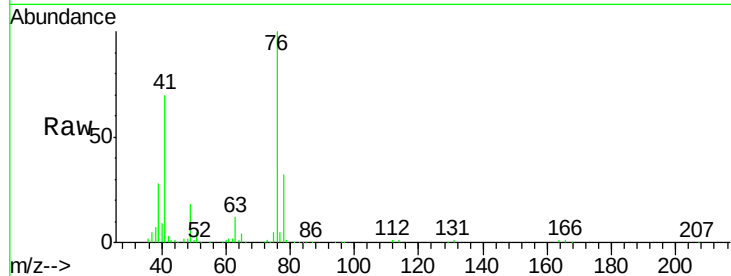
78 32.0 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

4/3/2019 10:43:59 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.141 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054898.D

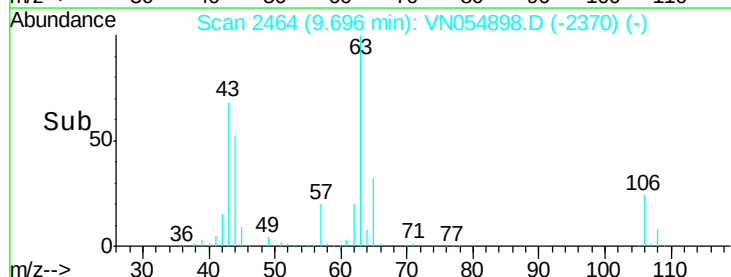
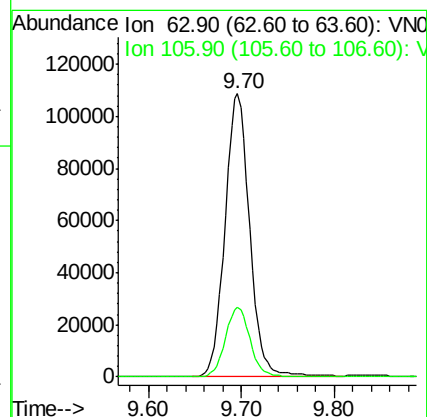
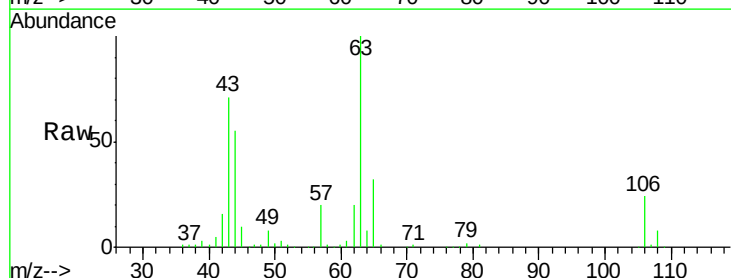
Acq: 2 Apr 2019 13:39

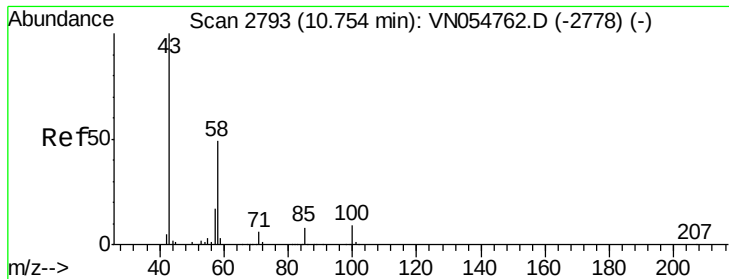
Tgt Ion: 63 Resp: 200893

Ion Ratio Lower Upper

63 100

106 24.4 24.4 36.6





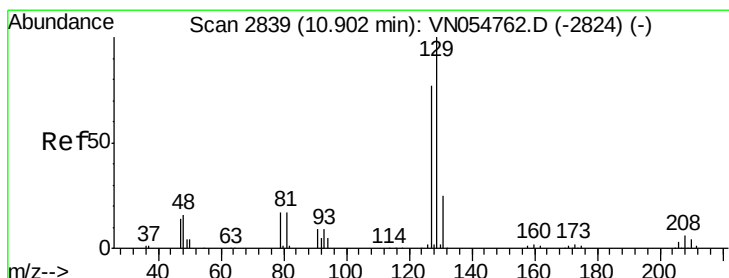
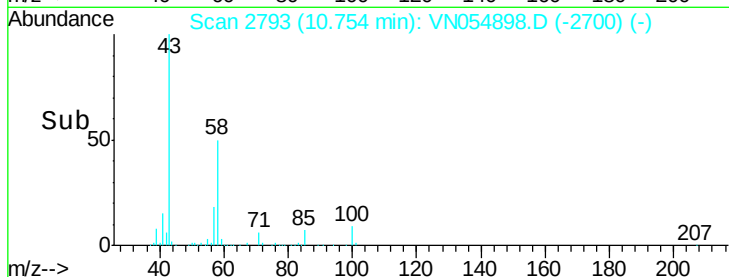
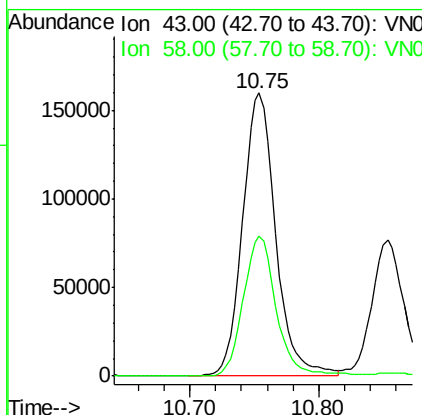
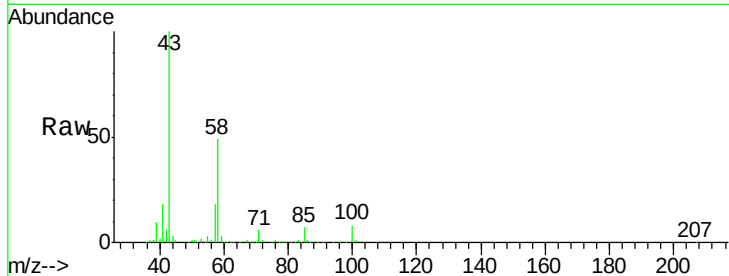
#59
2-Hexanone
Concen: 105.188 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0402WBSD01

Tot Ion	43	Resp	283059
Ion Ratio	100	Lower	Upper
58	49.7	28.0	83.9

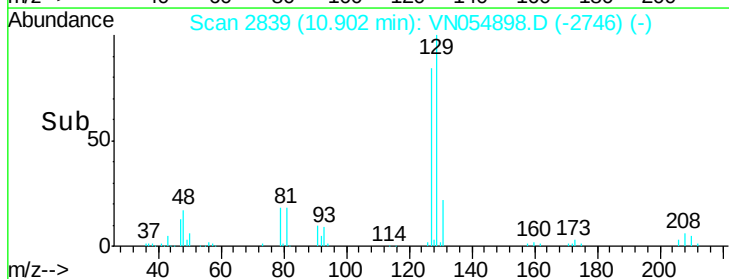
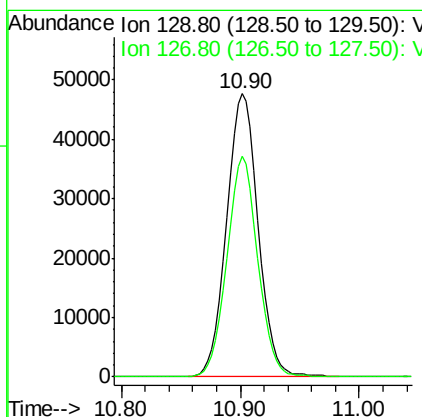
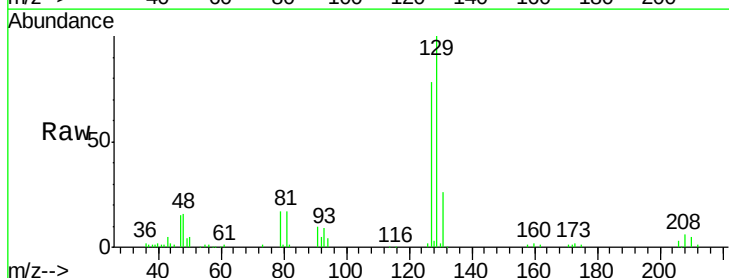
Manual Integrations
APPROVED

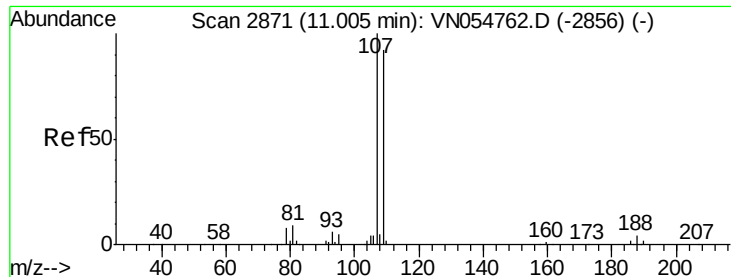
MMDadoda
4/3/2019 10:43:59 AM



#60
Dibromochloromethane
Concen: 21.741 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Tgt Ion	129	Resp	87490	
Ion Ratio	129	100	Lower	Upper
127	76.3	38.6	115.8	





#61

1,2-Dibromoethane

Concen: 21.213 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBSD01

Tot Ion:107 Resp: 80532

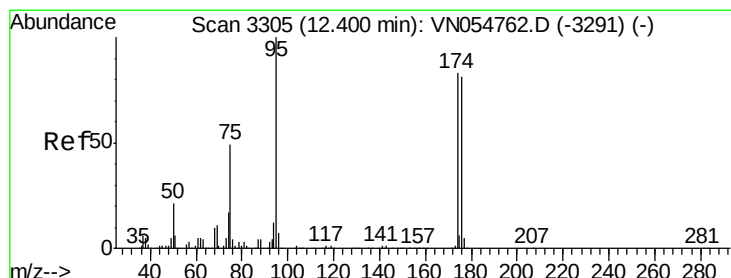
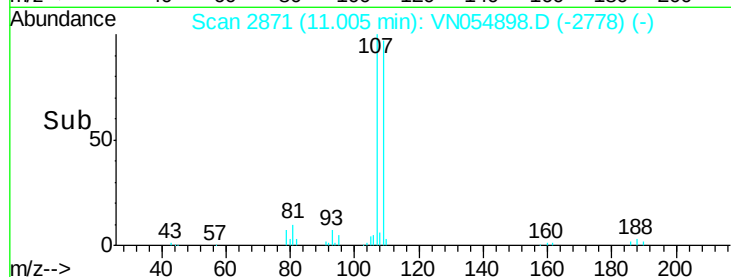
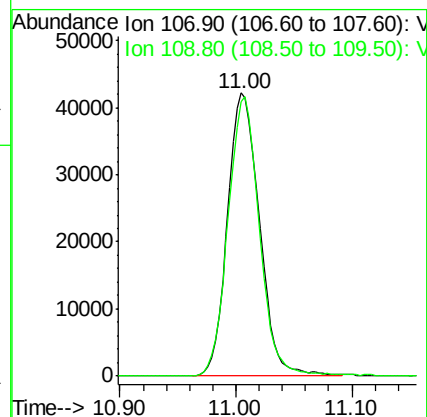
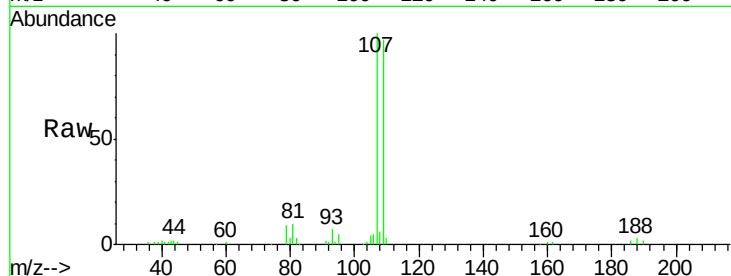
Ion Ratio Lower Upper

107 100

109 96.5 75.9 113.9

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM



#62

4-Bromofluorobenzene

Concen: 49.645 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

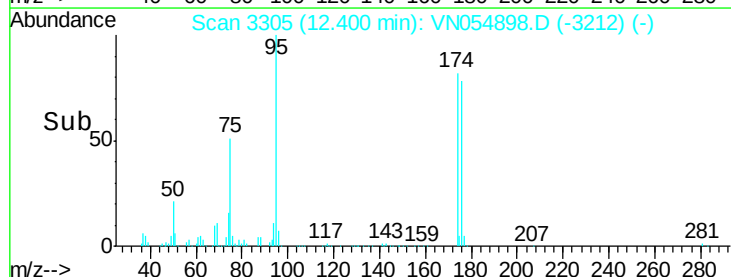
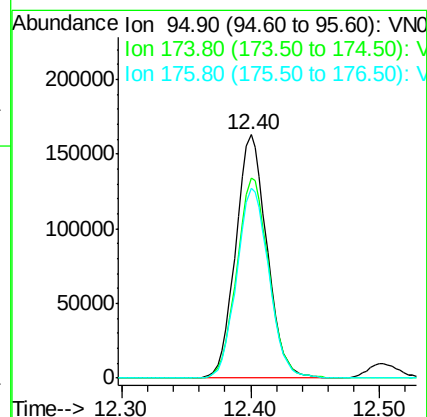
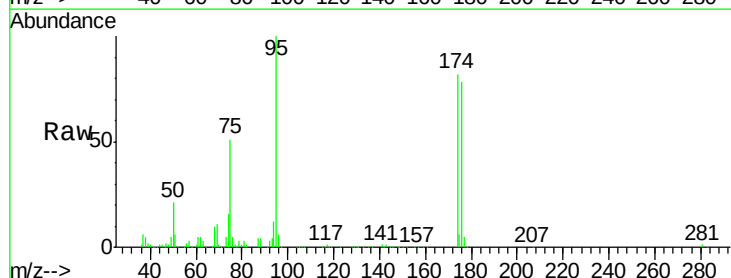
Tgt Ion: 95 Resp: 275584

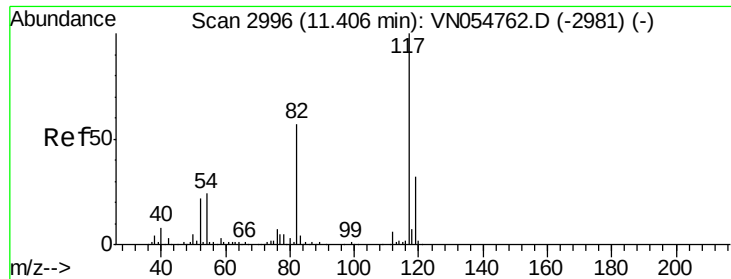
Ion Ratio Lower Upper

95 100

174 83.9 0.0 191.0

176 80.0 0.0 187.4





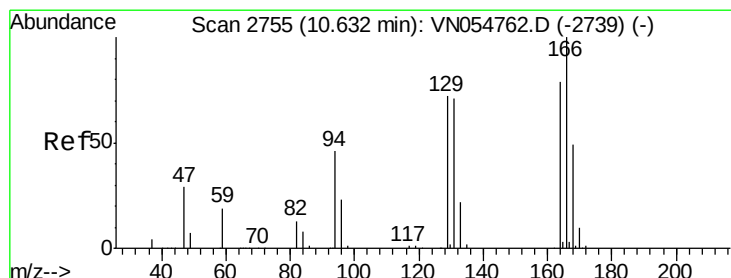
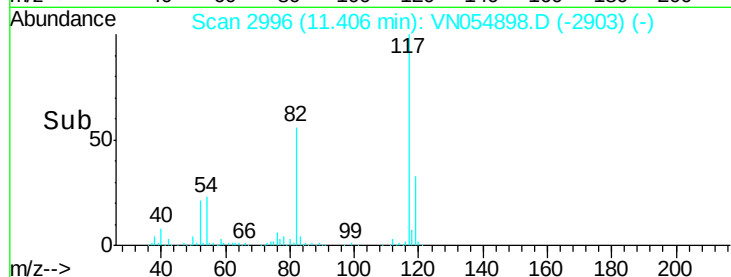
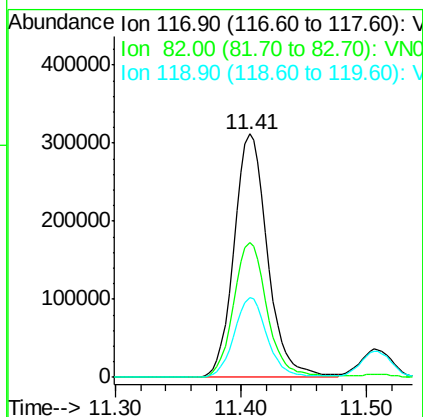
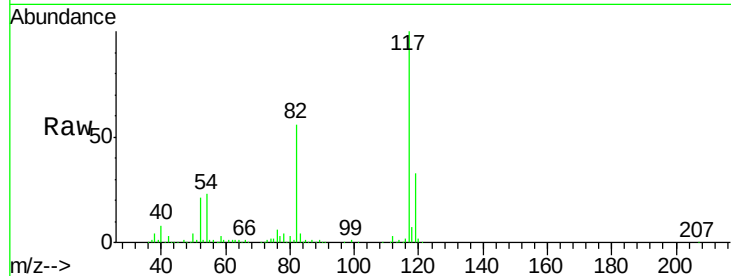
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	578174		
82	55.5	40.0	60.0	
119	32.6	25.8	38.6	

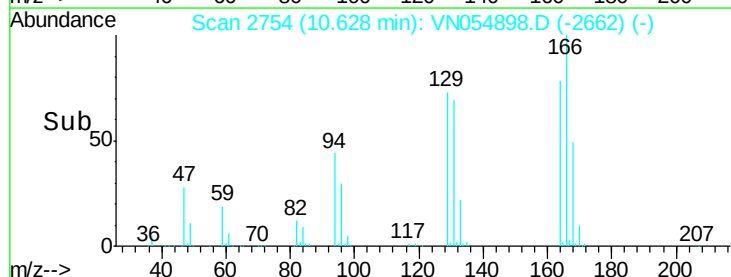
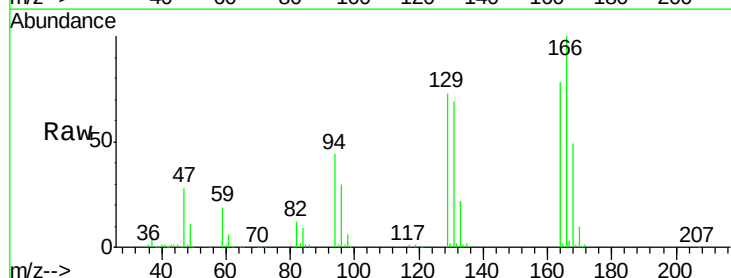
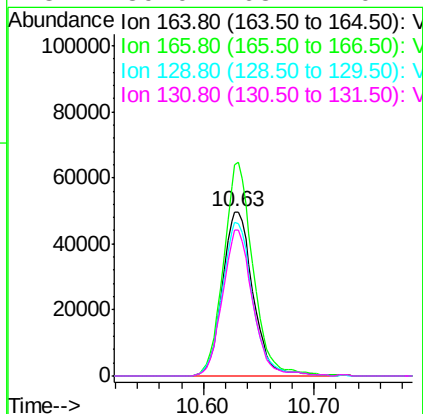
Manual Integrations
APPROVED

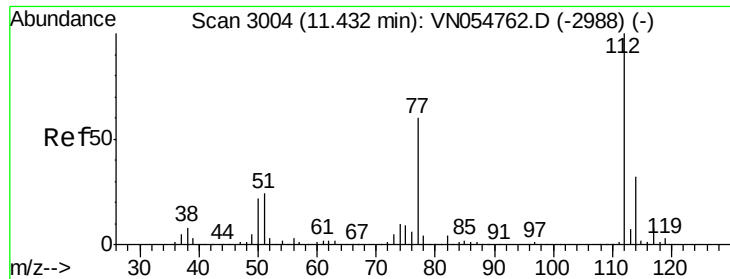
MMDadoda
4/3/2019 10:43:59 AM



#64
Tetrachloroethene
Concen: 21.623 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	95934		
166	128.3	103.9	155.9	
129	93.6	71.1	106.7	
131	89.0	68.2	102.4	





#65

Chlorobenzene

Concen: 20.859 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0402WBSD01

Tot Ion:112 Resp: 236119

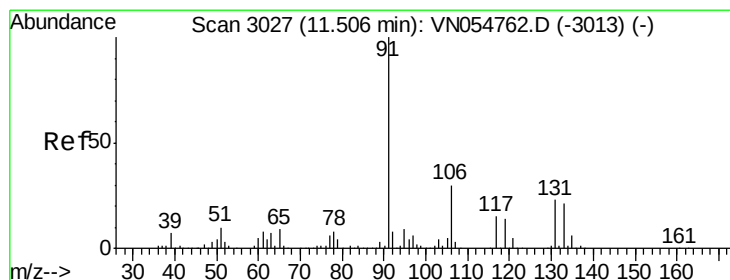
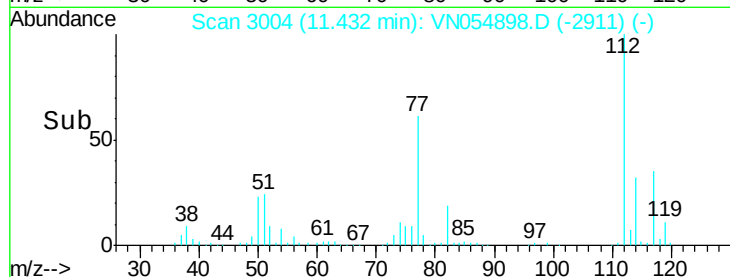
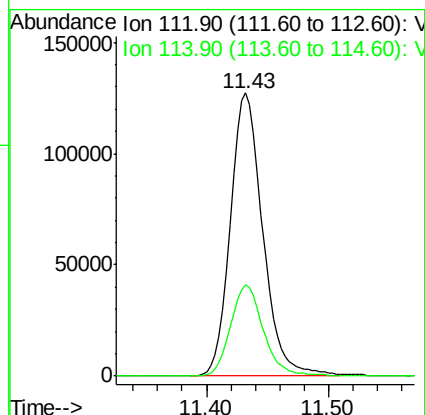
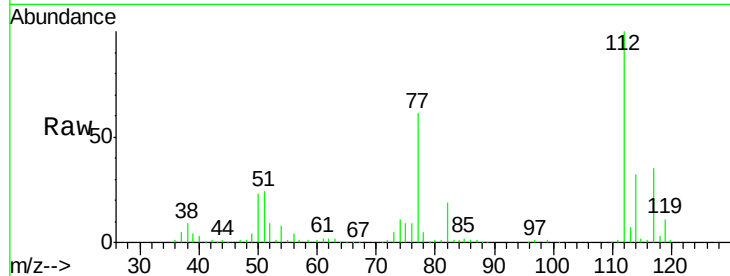
Ion Ratio Lower Upper

112 100

114 32.1 25.9 38.9

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.072 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

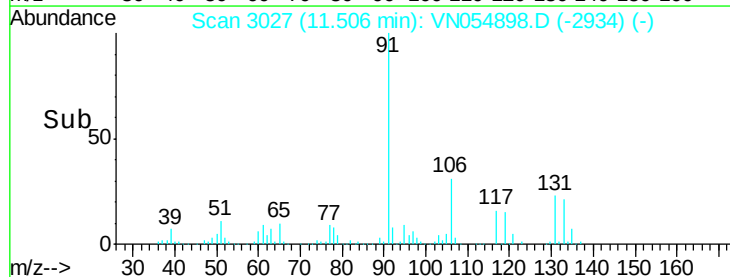
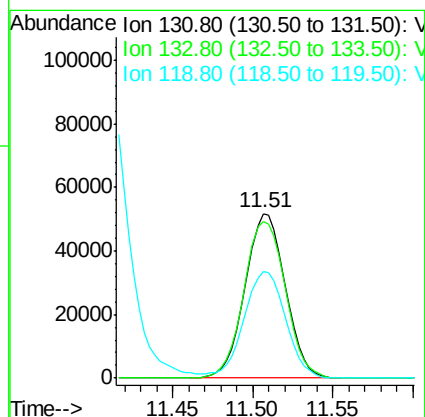
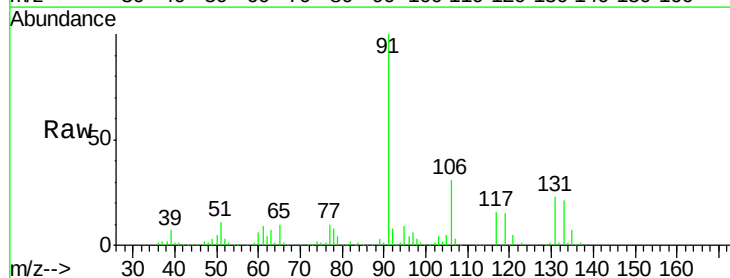
Tgt Ion:131 Resp: 89282

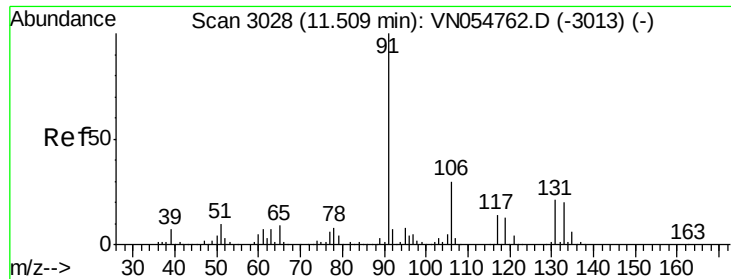
Ion Ratio Lower Upper

131 100

133 97.9 47.6 142.9

119 66.7 32.4 97.0





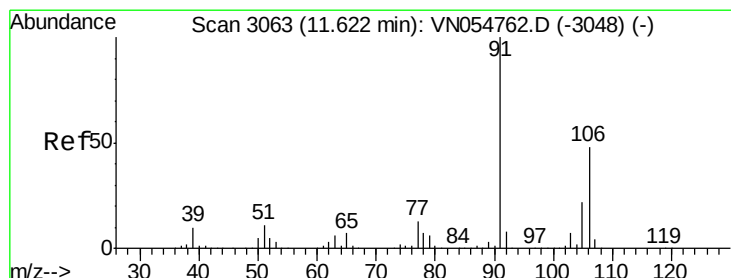
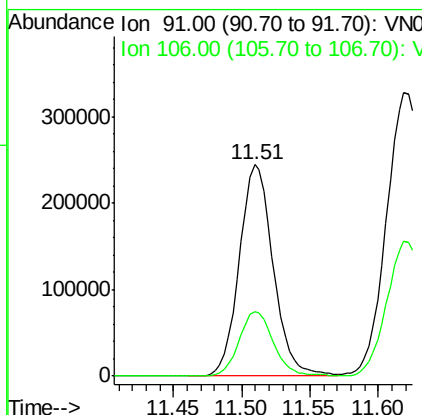
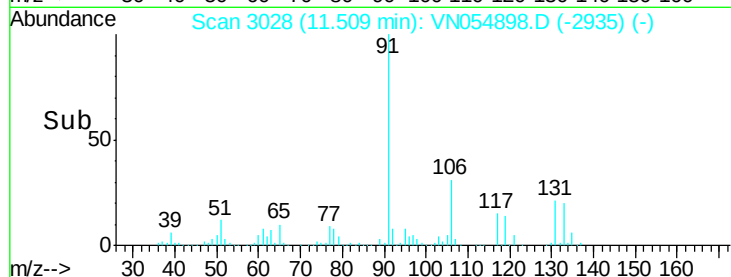
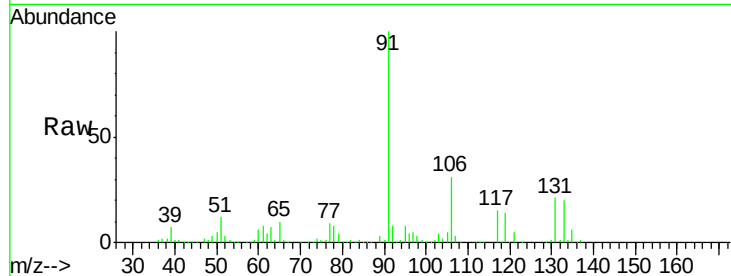
#67
Ethyl Benzene
Concen: 20.744 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0402WBSD01

Tot Ion: 91 Resp: 423743
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3

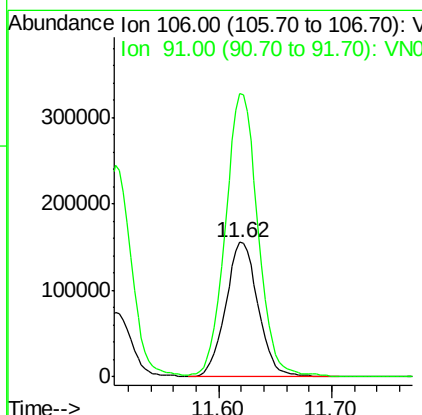
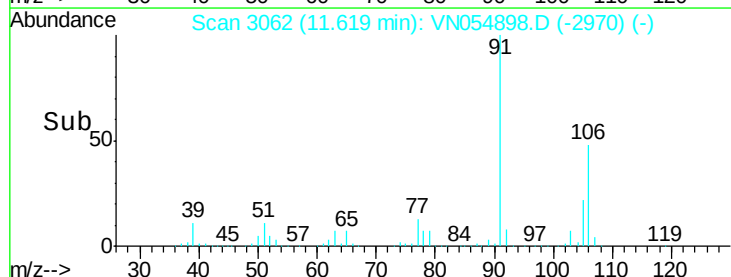
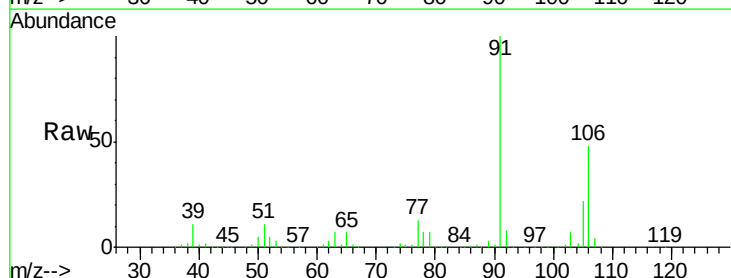
Manual Integrations
APPROVED

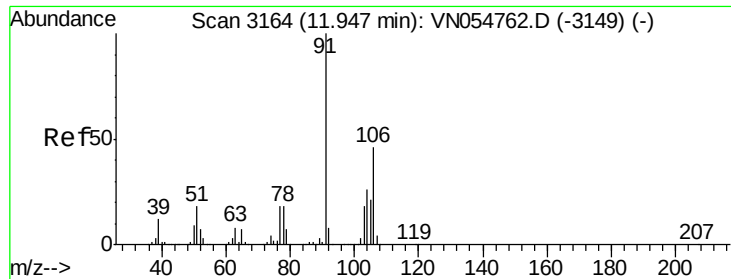
MMDadoda
4/3/2019 10:43:59 AM



#68
m/p-Xylenes
Concen: 40.706 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Tgt Ion: 106 Resp: 307717
Ion Ratio Lower Upper
106 100
91 213.5 159.4 239.2





#69

o-Xylene

Concen: 20.387 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0402WBSD01

Tot Ion:106 Resp: 151124

Ion Ratio Lower Upper

106 100

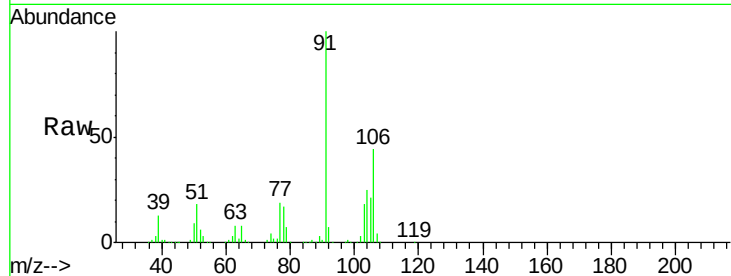
91 225.5 105.7 317.1

Manual Integrations

APPROVED

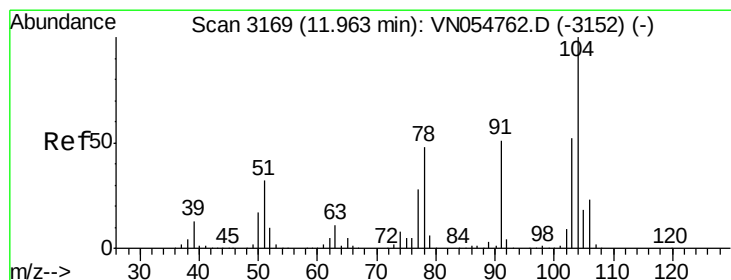
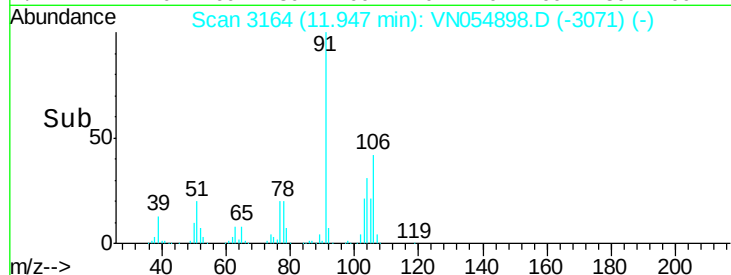
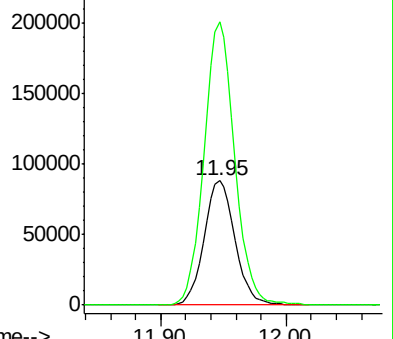
MMDadoda

4/3/2019 10:43:59 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 21.117 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

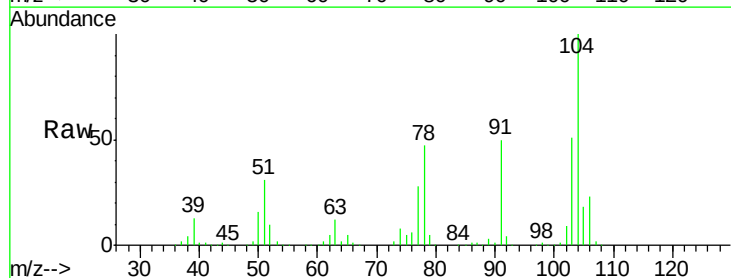
Tgt Ion:104 Resp: 250283

Ion Ratio Lower Upper

104 100

78 51.8 38.2 57.2

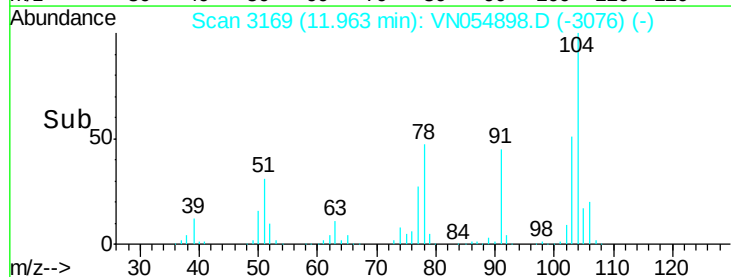
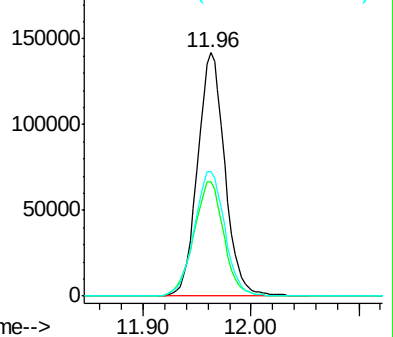
103 57.2 44.4 66.6

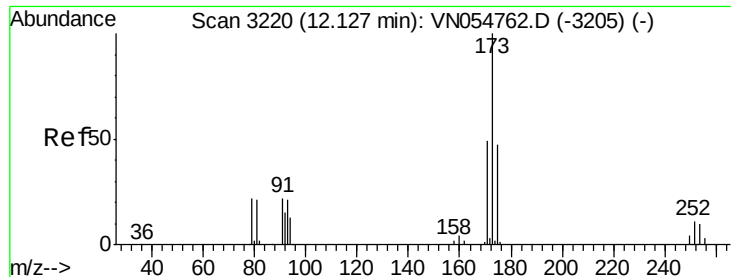


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.542 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

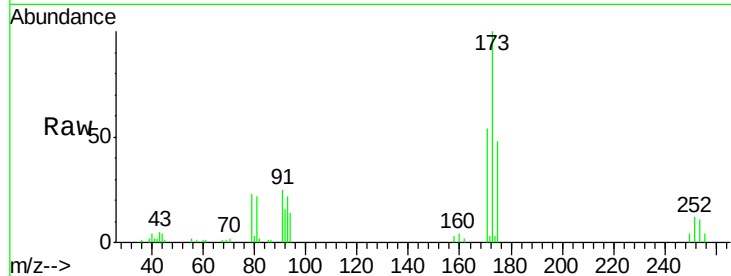
ClientSampled :

VN0402WBSD01

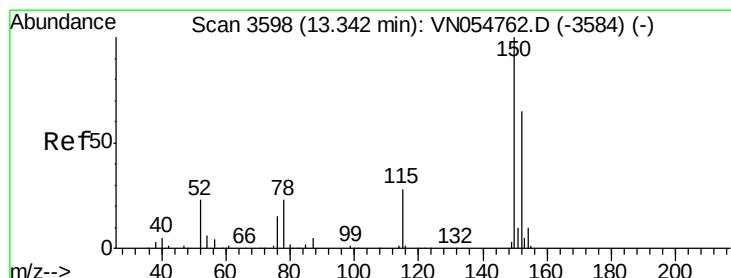
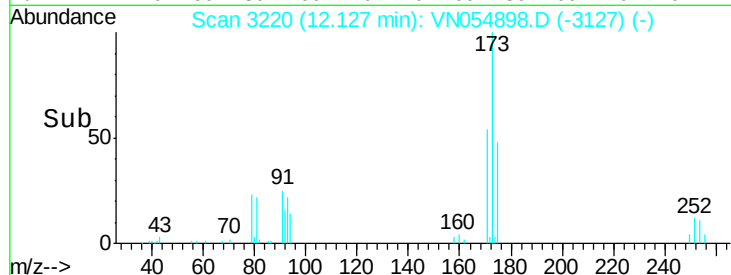
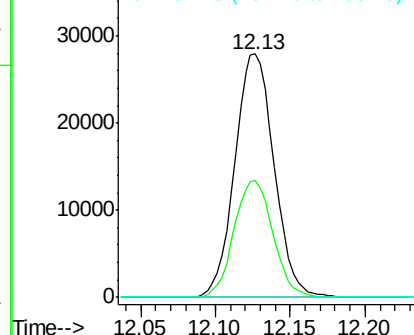
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

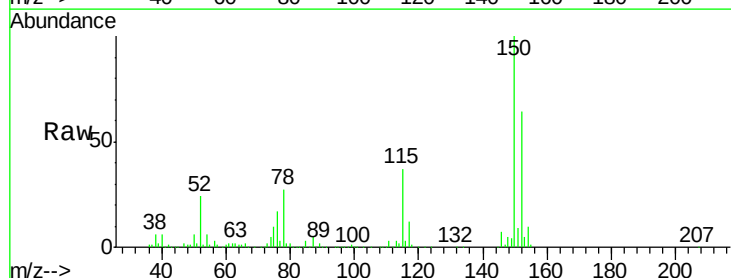
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

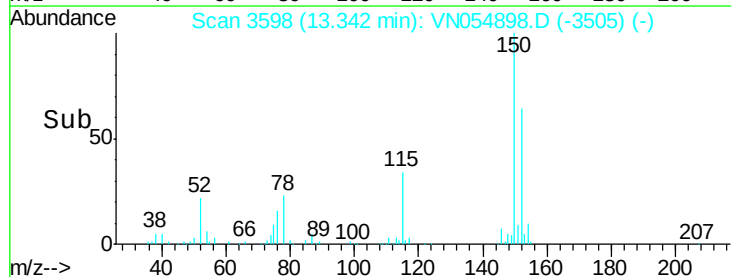
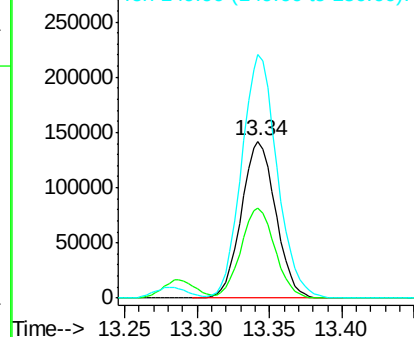
Lab File: VN054898.D

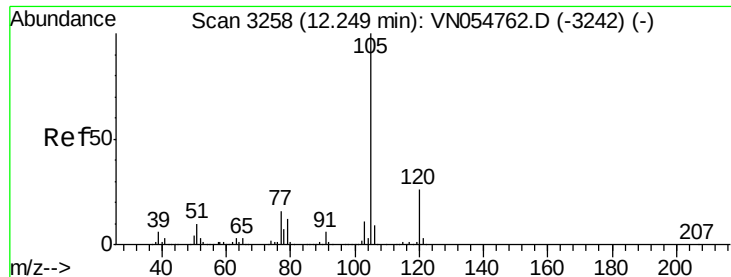
Acq: 2 Apr 2019 13:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	27.2	81.6
150	160.9	0.0	349.2



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





#73

Isopropylbenzene

Concen: 21.703 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBSD01

Tot Ion: 105 Resp: 413118

Ion Ratio Lower Upper

105 100

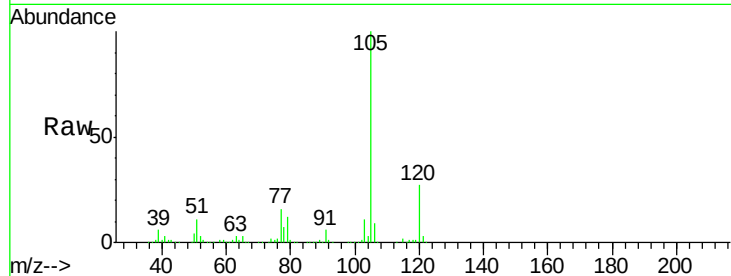
120 26.1 13.8 41.3

Manual Integrations

APPROVED

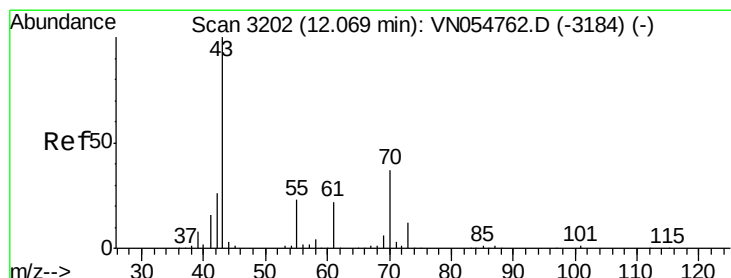
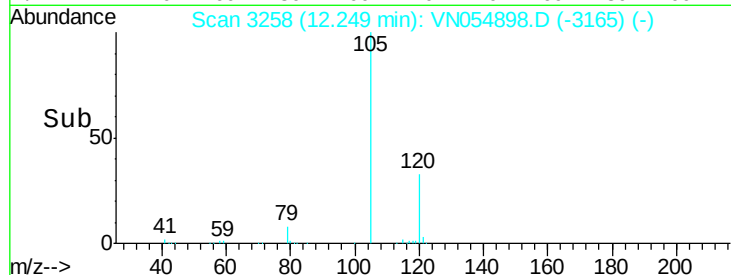
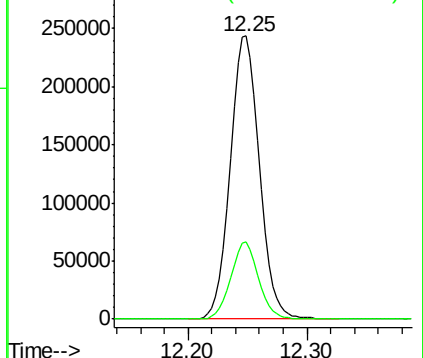
MMDadoda

4/3/2019 10:43:59 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.359 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Tgt Ion: 43 Resp: 120735

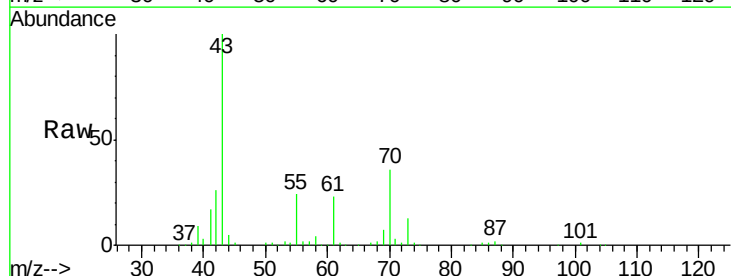
Ion Ratio Lower Upper

43 100

70 36.1 35.4 53.0

55 23.5 19.8 29.6

61 22.1 19.8 29.6

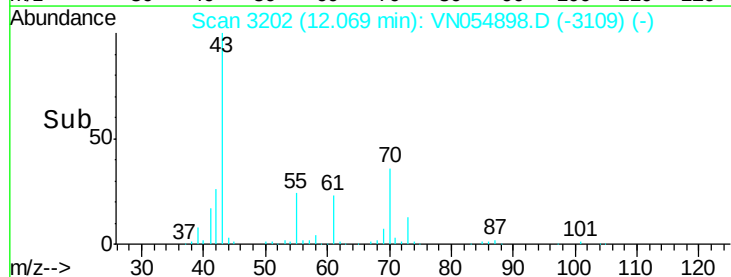
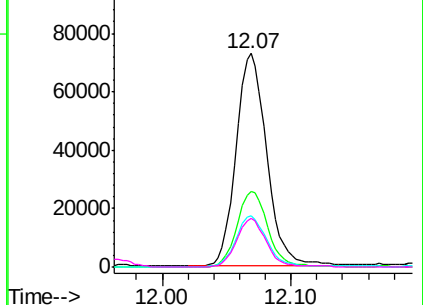


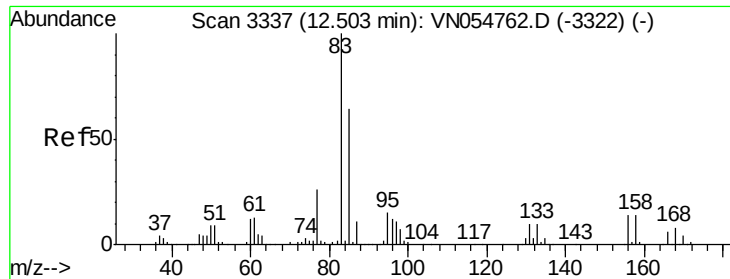
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.243 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

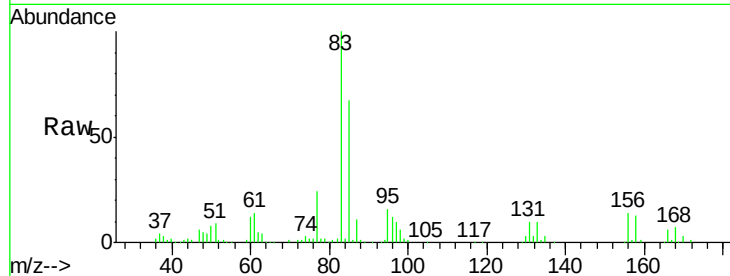
ClientSampled :

VN0402WBSD01

Tot Ion:	83	Resp:	105432
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.8	17.4
85	63.7	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM

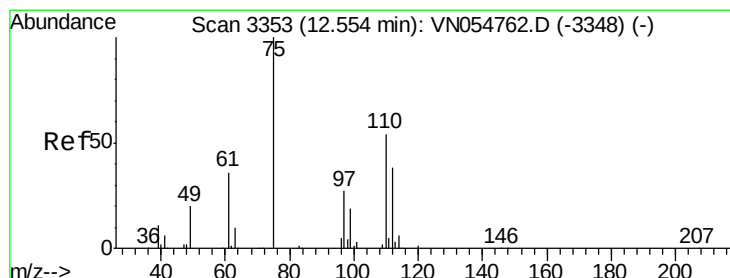
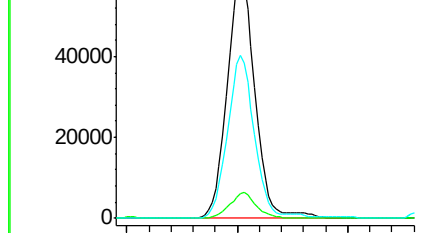
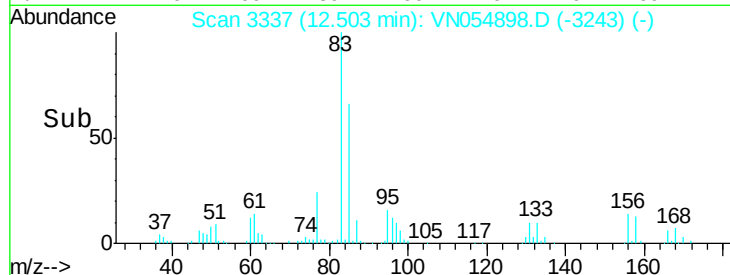


Abundance Ion 82.90 (82.60 to 83.60): VN054762.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN054762.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN054762.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 23.218 ug/l m

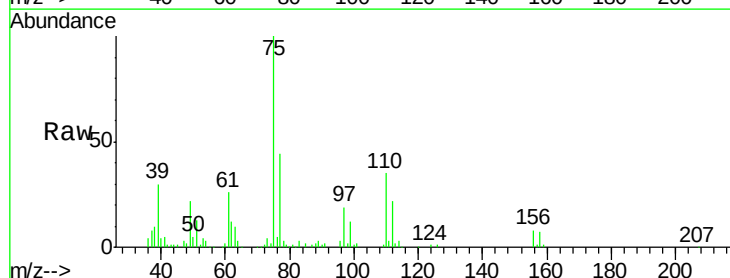
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

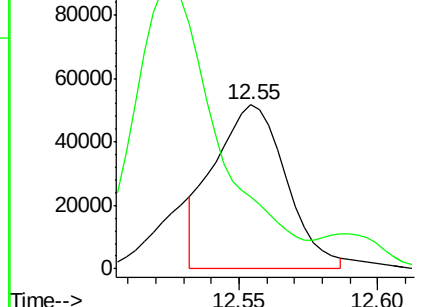
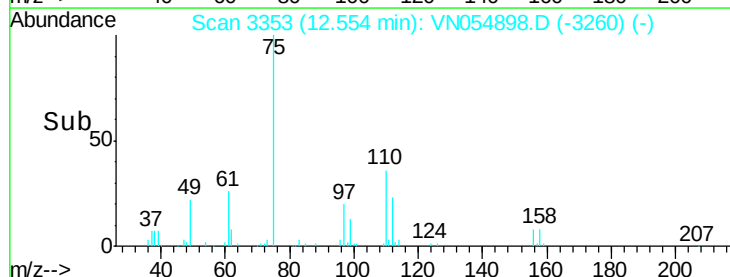
Tgt Ion:	75	Resp:	93935
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

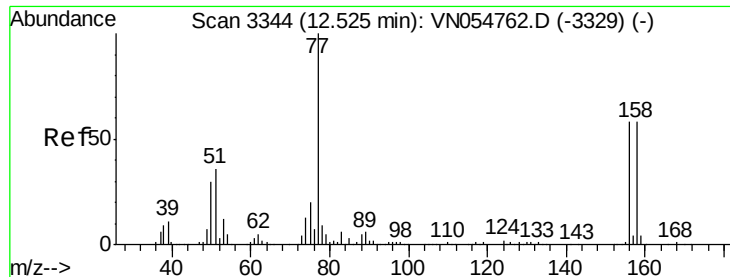


Abundance Ion 74.90 (74.60 to 75.60): VN054762.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054762.D (-3348) (-)

Time-->





#77

Bromobenzene

Concen: 21.466 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

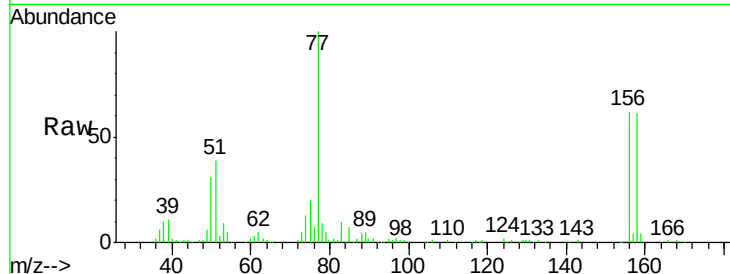
ClientSampleId :

VN0402WBSD01

Tot Ion:	156	Resp:	98617
Ion	Ratio	Lower	Upper
156	100		
77	192.7	81.5	244.4
158	96.1	49.0	147.2

Manual Integrations
APPROVED

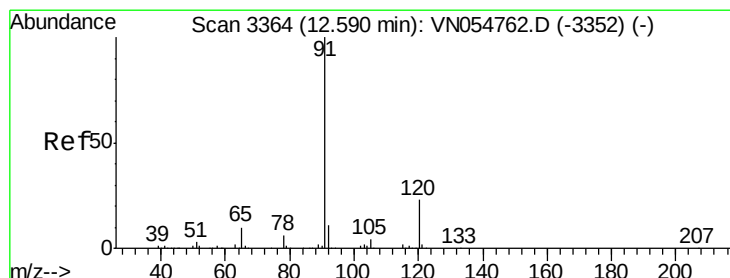
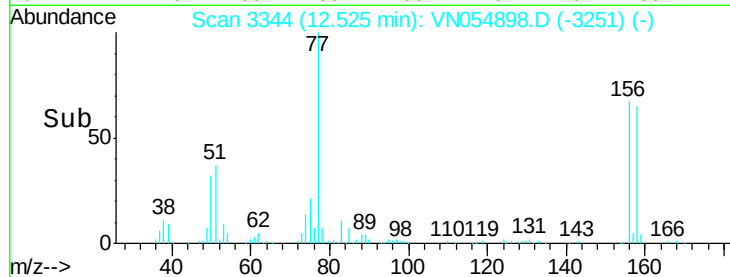
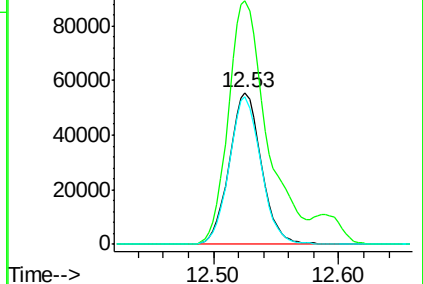
MMDadoda
4/3/2019 10:43:59 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.400 ug/l

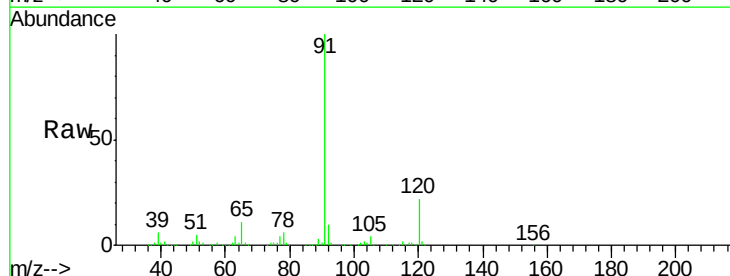
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054898.D

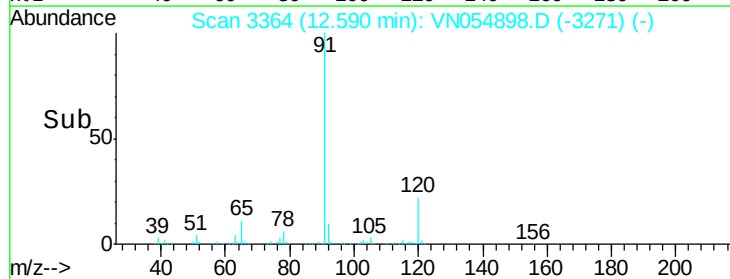
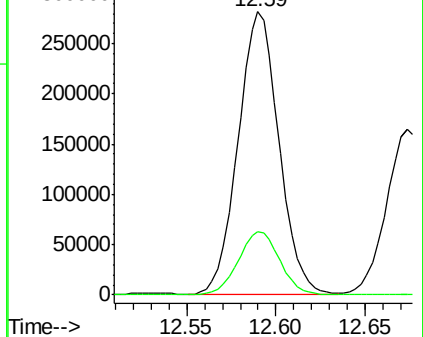
Acq: 2 Apr 2019 13:39

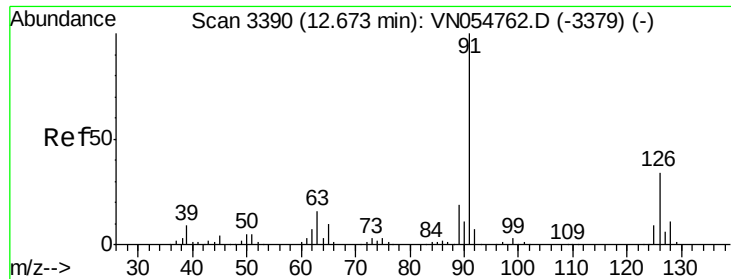
Tgt Ion:	91	Resp:	447738
Ion	Ratio	Lower	Upper
91	100		
120	22.7	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.446 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0402WBSD01

Tot Ion: 91 Resp: 277587

Ion Ratio Lower Upper

91 100

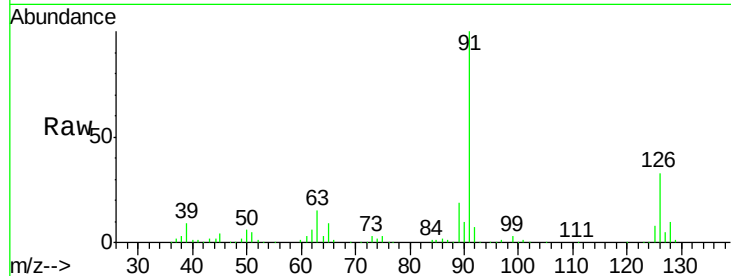
126 34.1 18.7 56.1

Manual Integrations

APPROVED

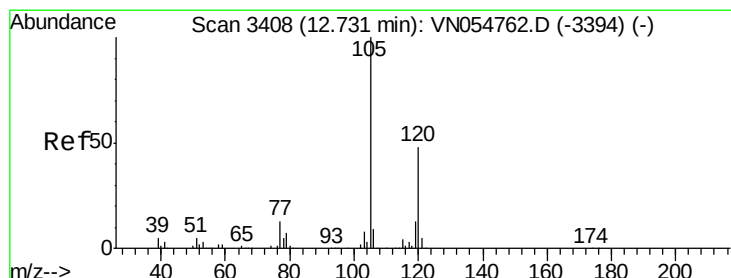
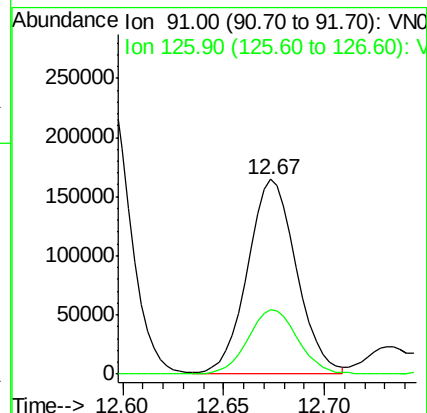
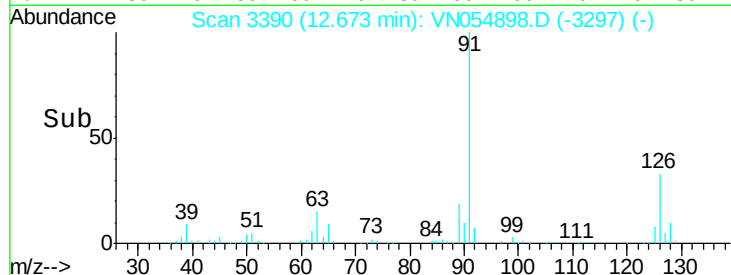
MMDadoda

4/3/2019 10:43:59 AM



Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054762.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.900 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054898.D

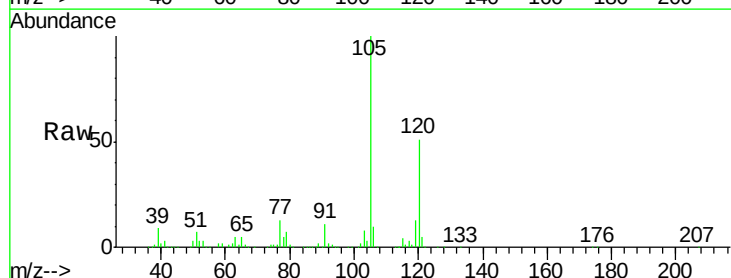
Acq: 2 Apr 2019 13:39

Tgt Ion: 105 Resp: 326439

Ion Ratio Lower Upper

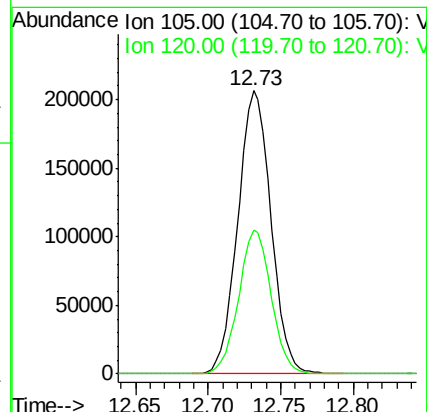
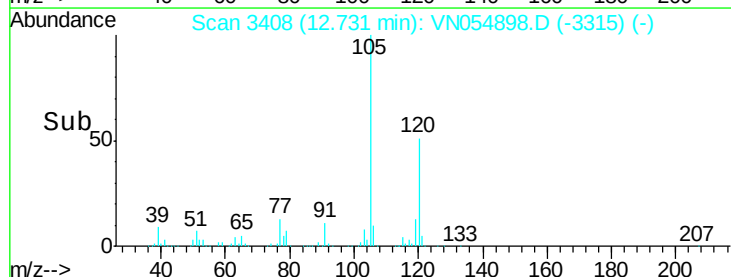
105 100

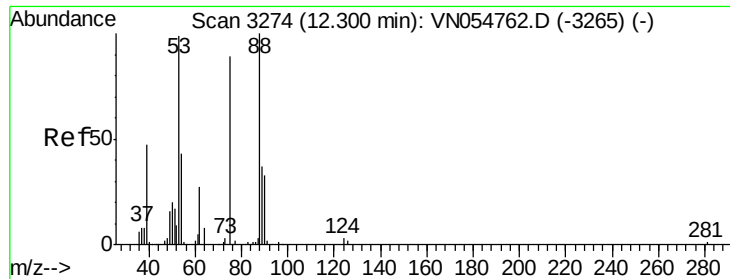
120 50.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054762.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054762.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.477 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBSD01

Tot Ion: 75 Resp: 20258

Ion Ratio Lower Upper

75 100

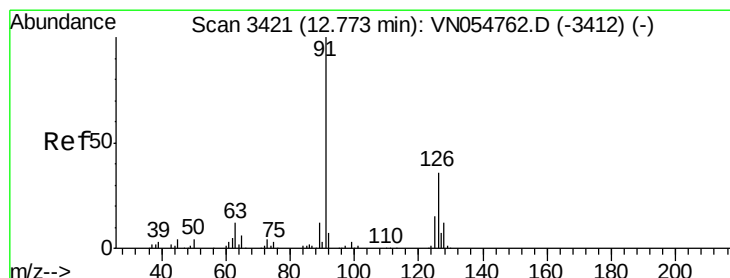
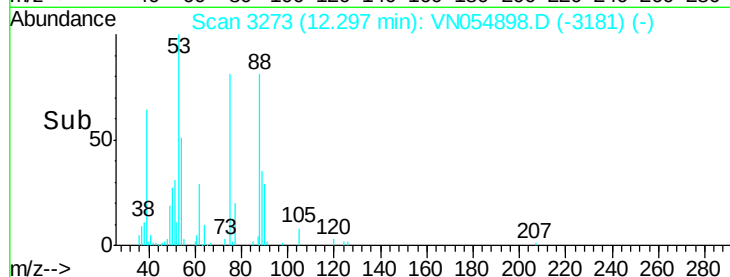
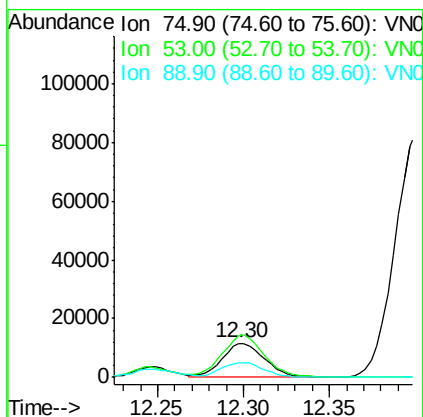
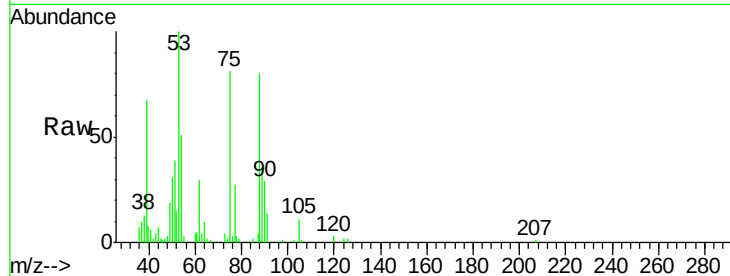
53 124.0 76.2 114.2#

89 43.5 39.2 58.8

Manual Integrations
APPROVED

MMDadoda

4/3/2019 10:43:59 AM



#82

4-Chlorotoluene

Concen: 20.665 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054898.D

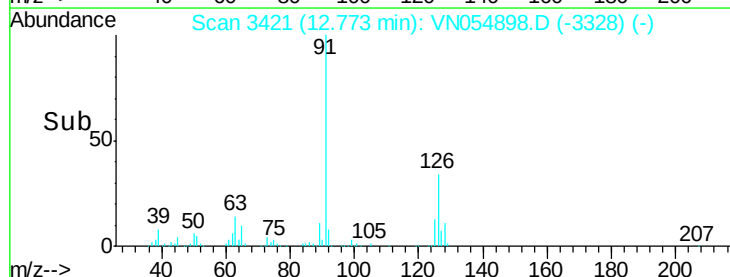
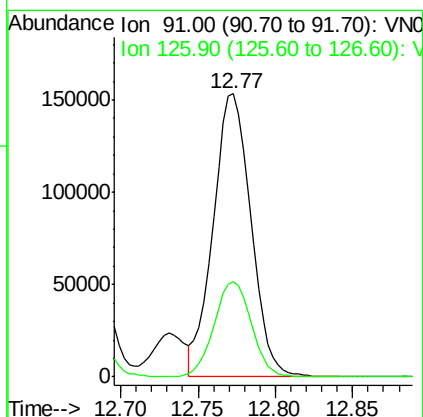
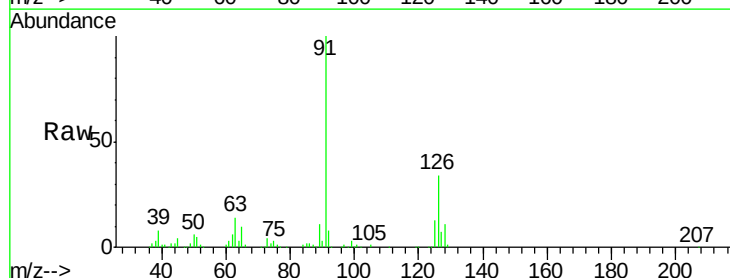
Acq: 2 Apr 2019 13:39

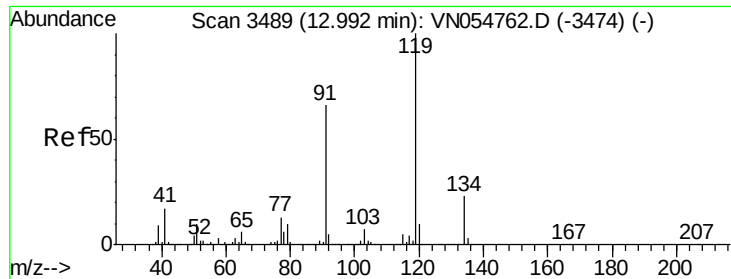
Tgt Ion: 91 Resp: 259797

Ion Ratio Lower Upper

91 100

126 33.5 18.1 54.1





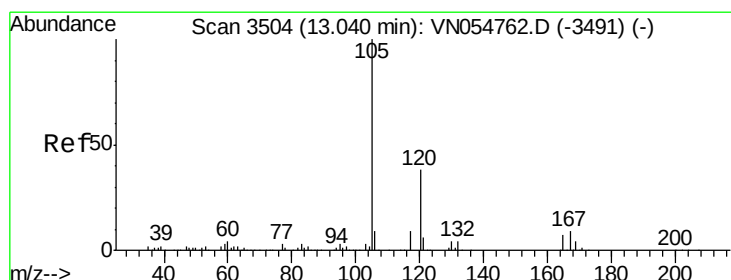
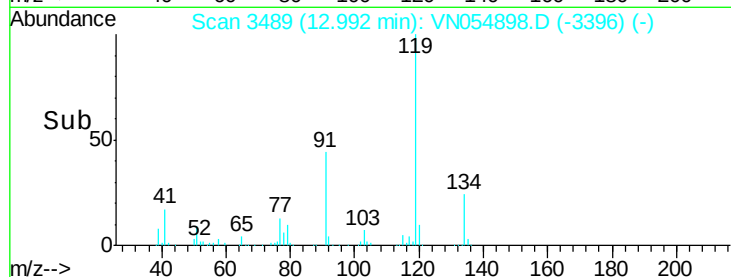
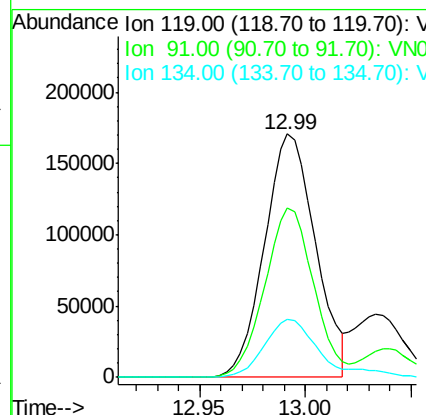
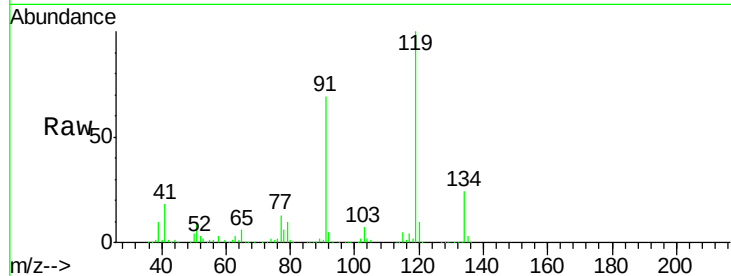
#83
 tert-Butylbenzene
 Concen: 22.542 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	286670		
91	66.9		30.9	92.8
134	26.1		13.2	39.6

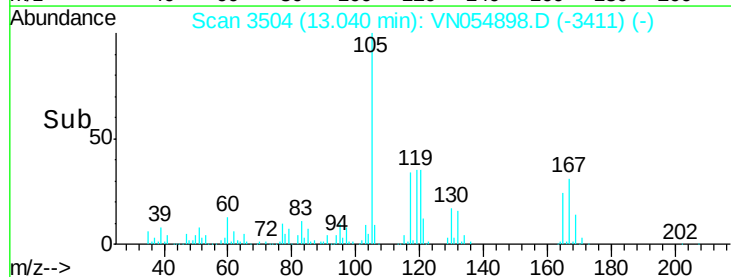
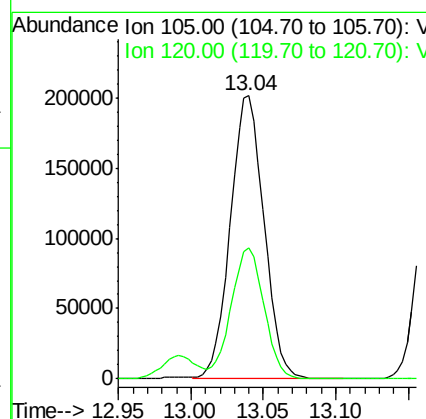
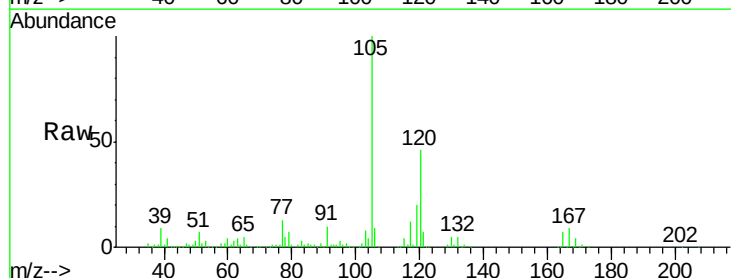
Manual Integrations
 APPROVED

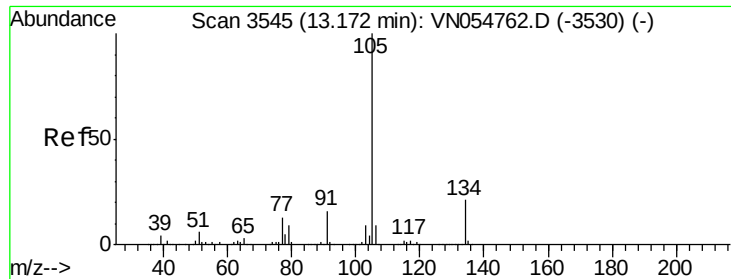
MMDadoda
 4/3/2019 10:43:59 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.775 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	324017		
120	45.3		23.4	70.3





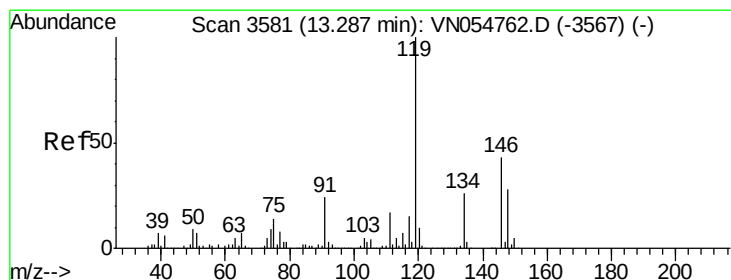
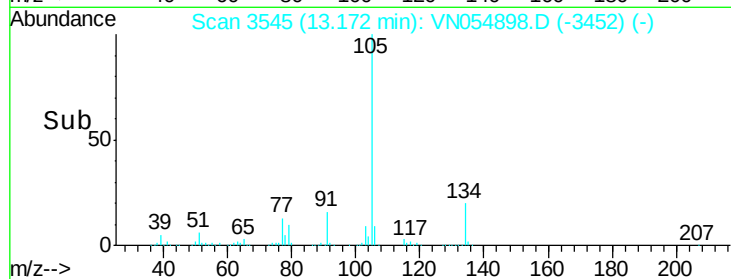
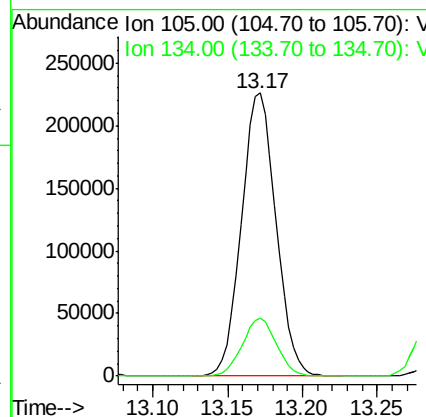
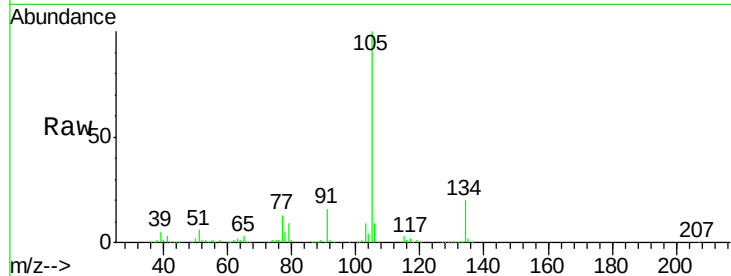
#85
 sec-Butylbenzene
 Concen: 21.386 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.7	32.1

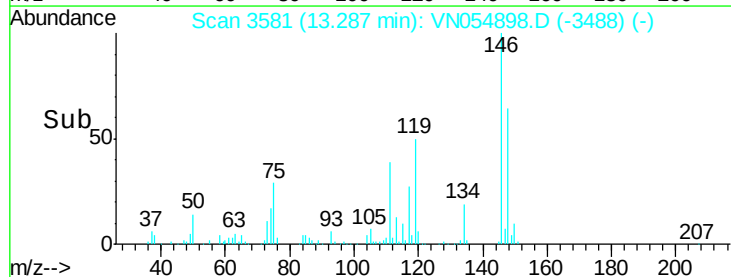
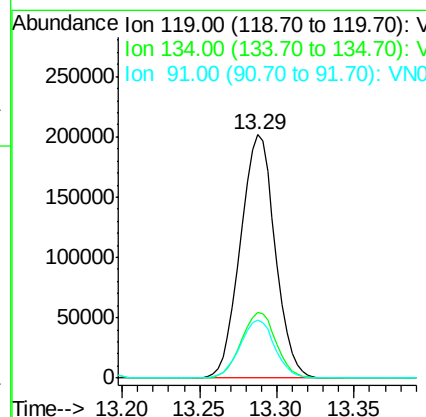
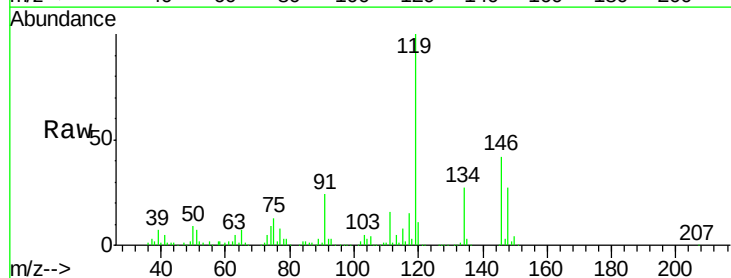
Manual Integrations
 APPROVED

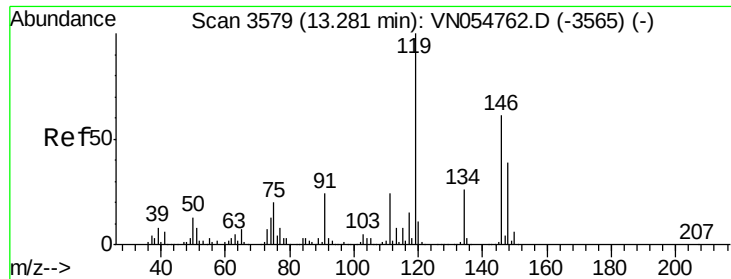
MMDadoda
 4/3/2019 10:43:59 AM



#86
 p-Isopropyltoluene
 Concen: 21.006 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.6	40.8
91	23.8	11.1	33.3





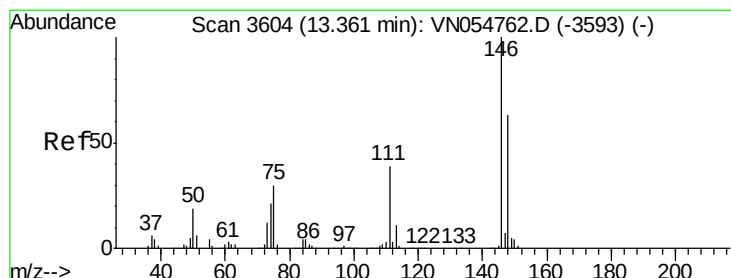
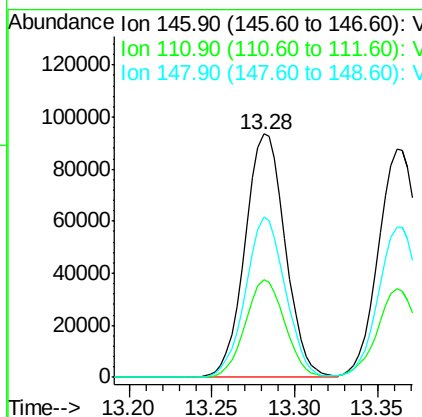
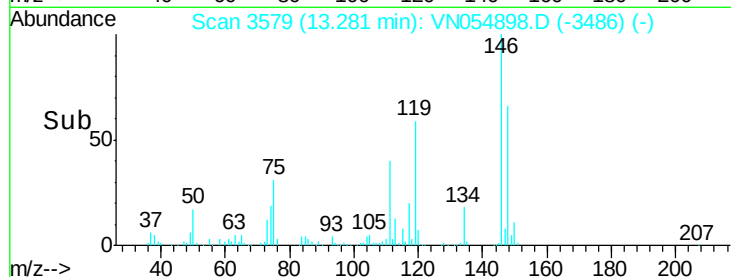
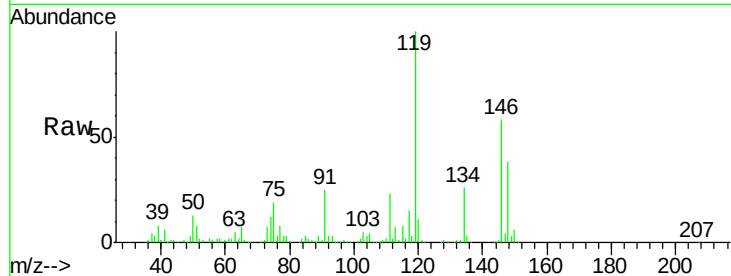
#87
 1,3-Dichlorobenzene
 Concen: 20.515 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.8	56.3
148	64.8	32.2	96.6

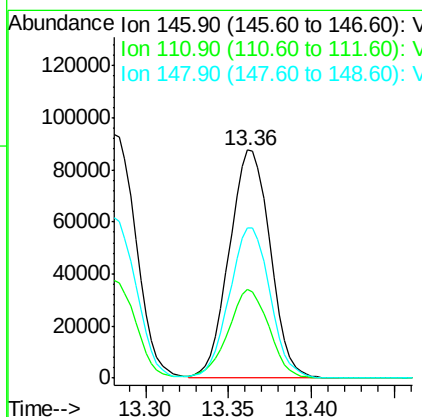
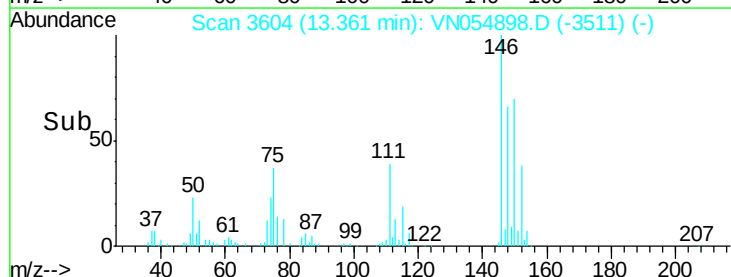
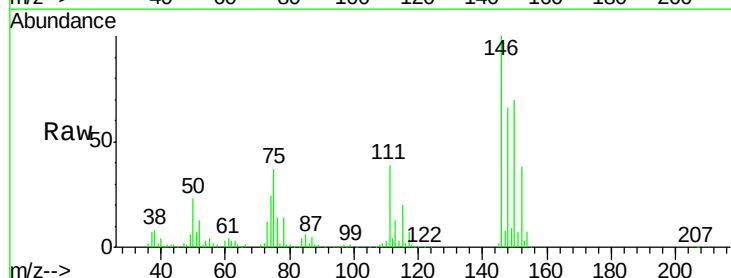
Manual Integrations
 APPROVED

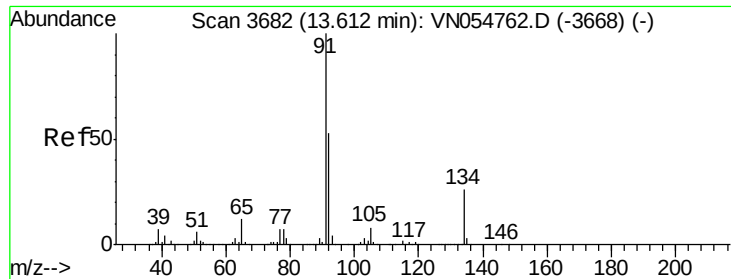
MMDadoda
 4/3/2019 10:43:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.968 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.1	54.1
148	65.7	32.0	96.0





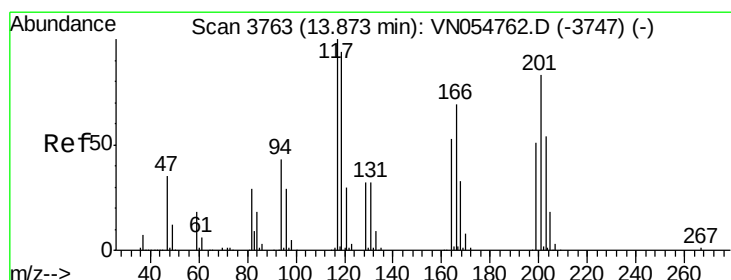
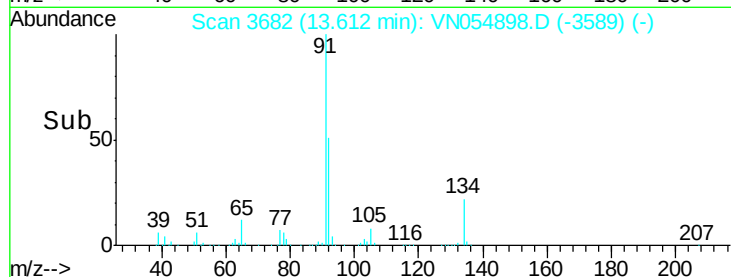
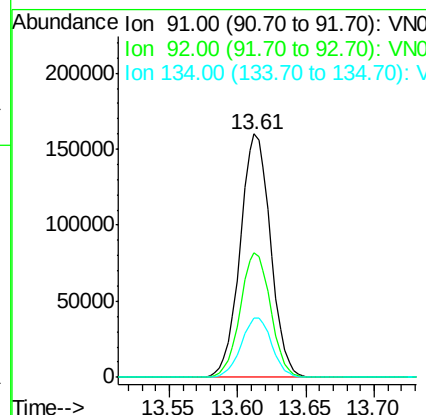
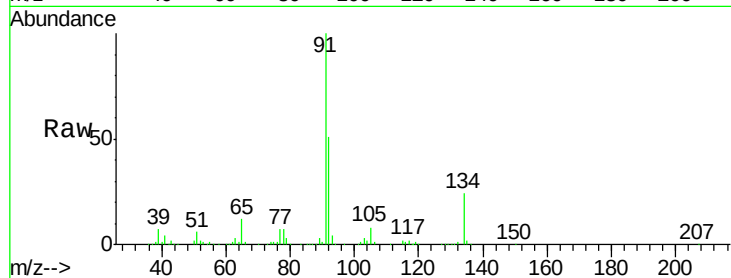
#89
n-Butylbenzene
Concen: 20.250 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.2	78.6
134	24.7	14.3	42.9

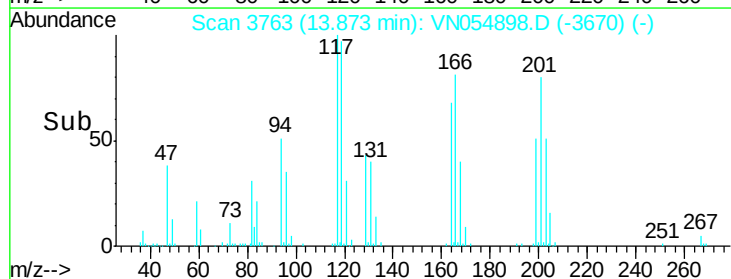
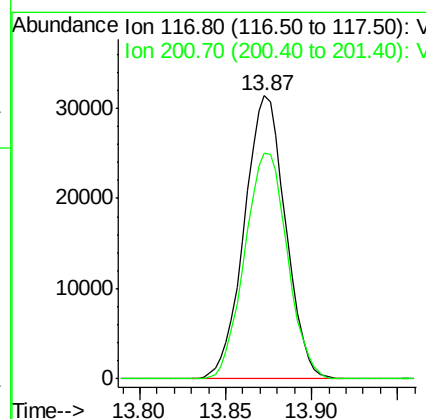
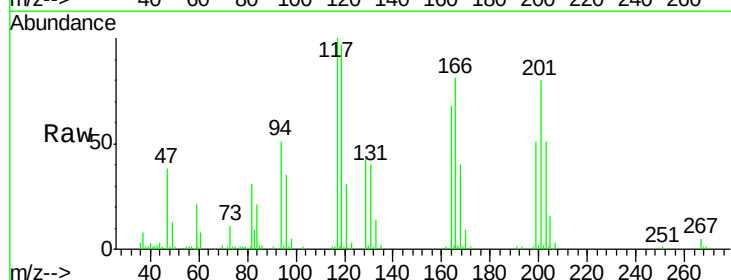
Manual Integrations
APPROVED

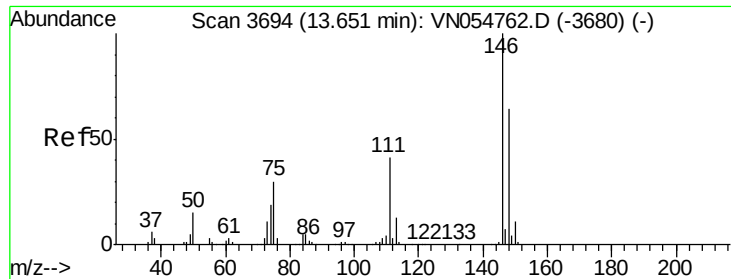
MMDadoda
4/3/2019 10:43:59 AM



#90
Hexachloroethane
Concen: 20.533 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054898.D
Acq: 2 Apr 2019 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 20.325 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

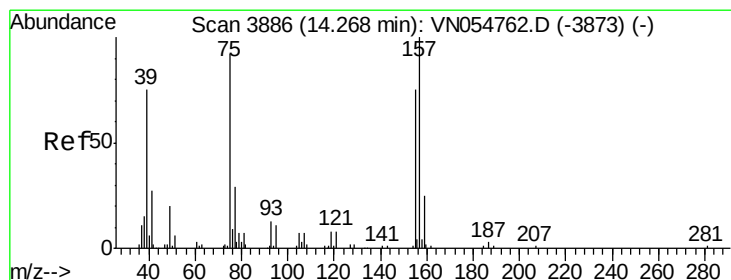
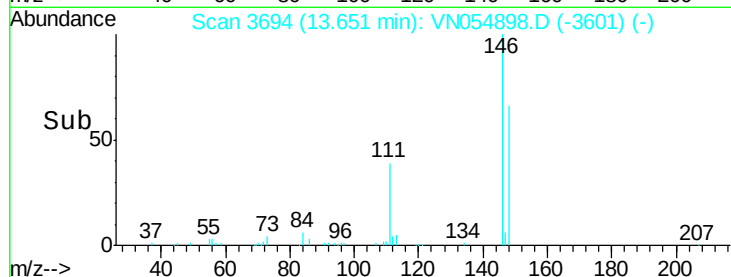
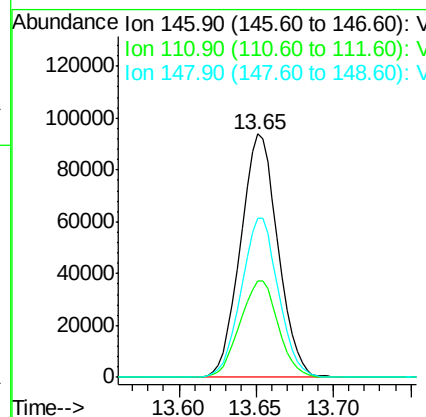
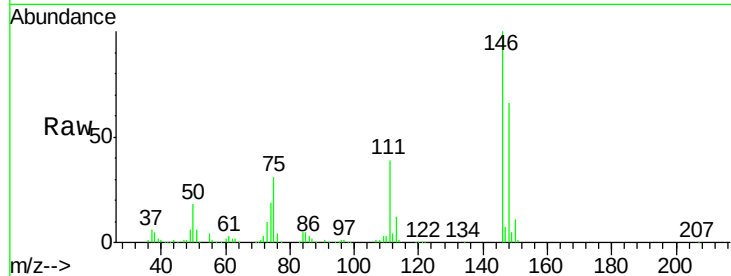
ClientSampleId :

VN0402WBSD01

Tot Ion:	146	Resp:	157777
Ion Ratio	Lower	Upper	
146	100		
111	40.4	19.1	57.3
148	64.9	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.474 ug/l

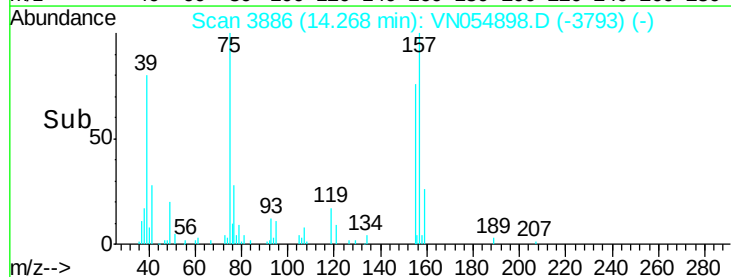
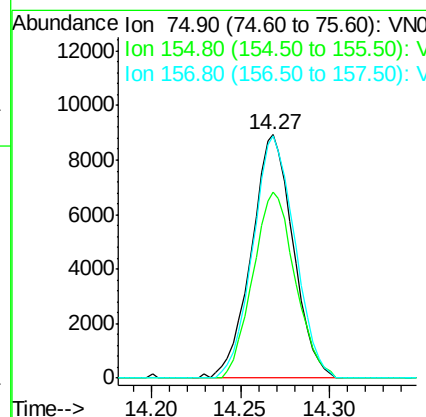
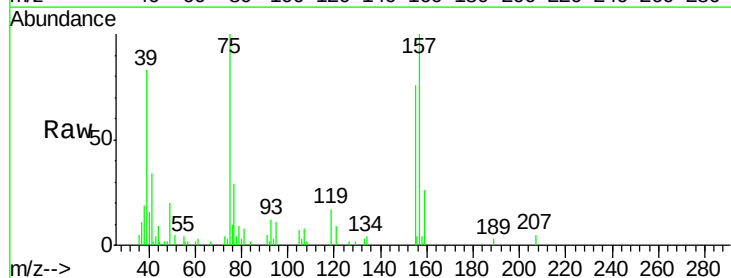
RT: 14.27 min Scan# 3886

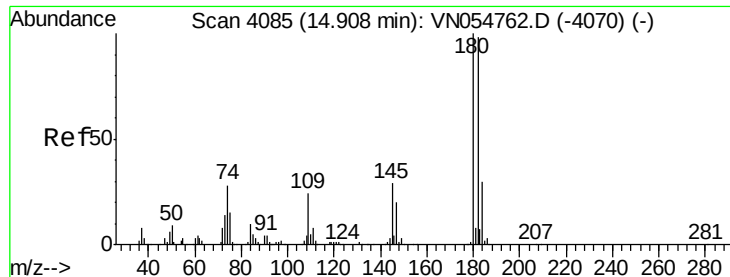
Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Tgt Ion:	75	Resp:	14625
Ion Ratio	Lower	Upper	
75	100		
155	77.3	50.1	150.3
157	100.0	63.1	189.3





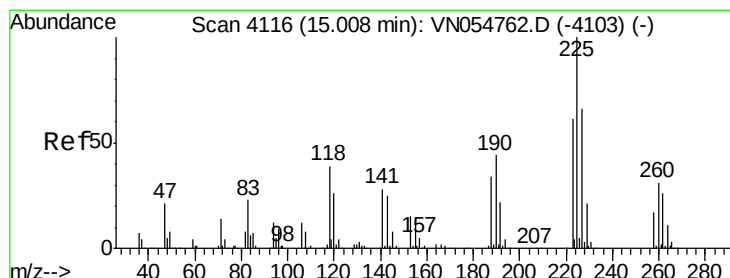
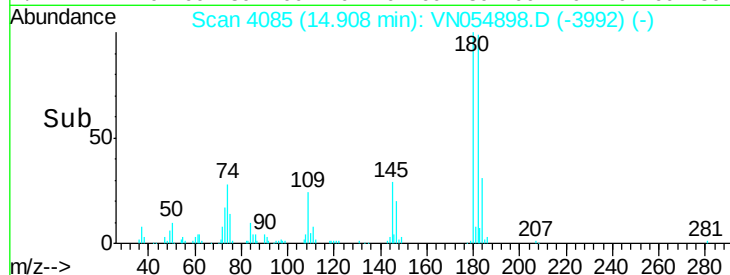
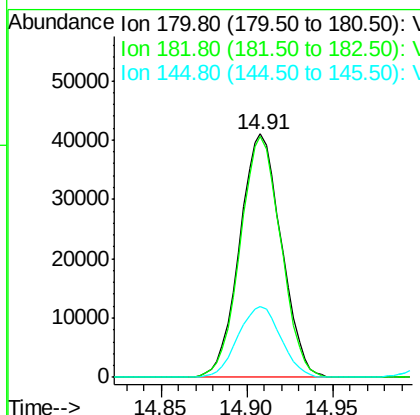
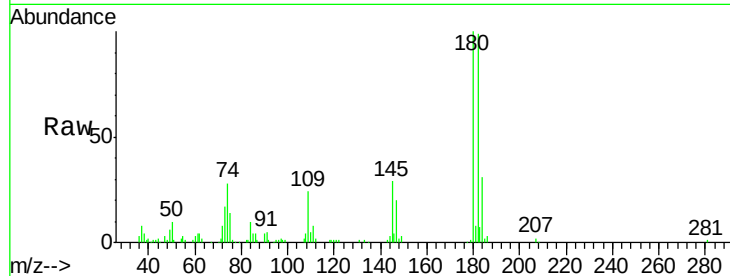
#93
 1,2,4-Trichlorobenzene
 Concen: 18.429 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68968		
182	96.4	48.0	144.2	
145	29.9	14.2	42.8	

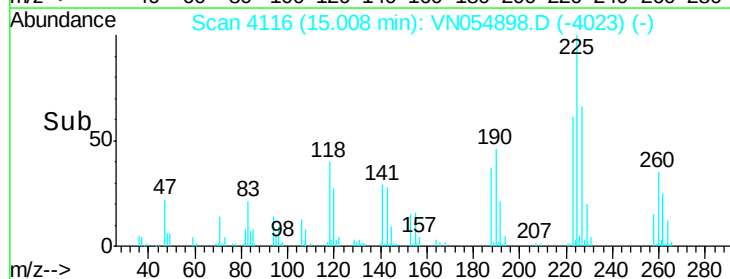
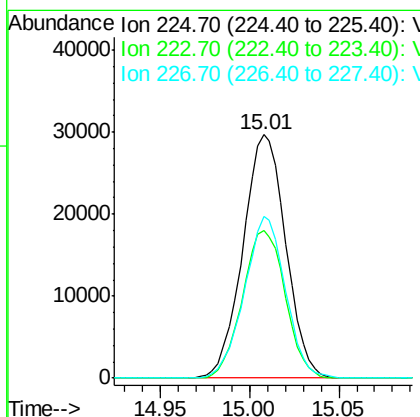
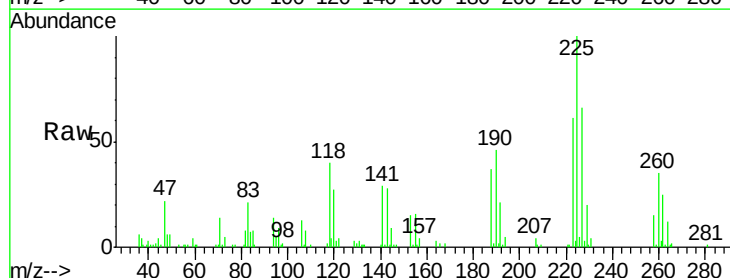
Manual Integrations
 APPROVED

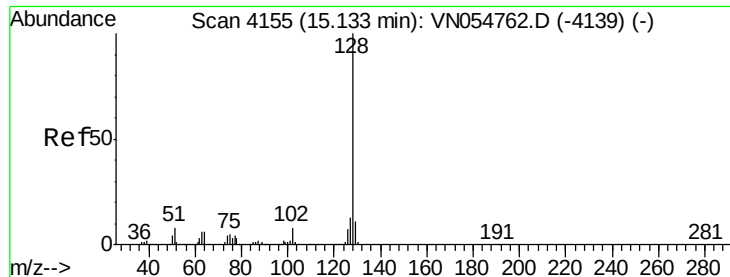
MMDadoda
 4/3/2019 10:43:59 AM



#94
 Hexachlorobutadiene
 Concen: 21.207 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054898.D
 Acq: 2 Apr 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49687		
223	60.6	31.1	93.5	
227	63.6	31.9	95.9	





#95

Naphthalene

Concen: 18.785 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Instrument :

MSVOA_N

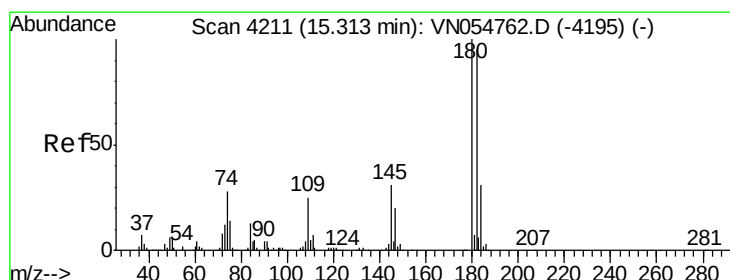
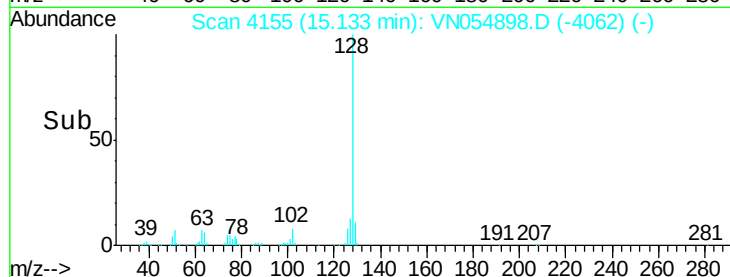
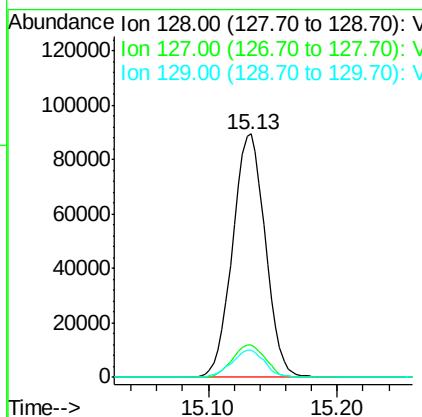
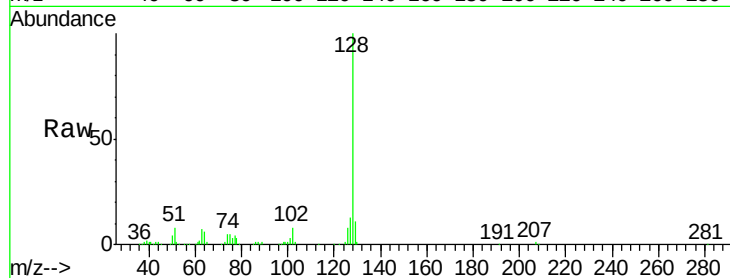
ClientSampled :

VN0402WBSD01

Tot Ion:	128	Resp:	157673
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.1	15.1
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:43:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.163 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054898.D

Acq: 2 Apr 2019 13:39

Tgt Ion:	180	Resp:	72426
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.5	142.6
145	32.5	14.8	44.3

