

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054118.D
 Acq On : 6 Mar 2019 14:04
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 11:39:16 AM

Quant Time: Mar 07 06:35:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 05:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	590092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	974687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	804245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	310985	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	37445	5.28	ug/l	0.00
Spiked Amount			Recovery	=	10.56%	
35) Dibromofluoromethane	7.59	113	30436	4.81	ug/l	0.00
Spiked Amount			Recovery	=	9.62%	
50) Toluene-d8	10.09	98	113097	4.70	ug/l	0.00
Spiked Amount			Recovery	=	9.40%	
62) 4-Bromofluorobenzene	12.40	95	34416	4.40	ug/l	0.00
Spiked Amount			Recovery	=	8.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	33455	5.899	ug/l	99
3) Chloromethane	2.05	50	48003	5.907	ug/l	96
4) Vinyl Chloride	2.19	62	44023	5.729	ug/l	96
5) Bromomethane	2.57	94	30935	6.209	ug/l	96
6) Chloroethane	2.70	64	26695	5.732	ug/l	96
7) Trichlorofluoromethane	3.02	101	52098	5.550	ug/l	95
8) Diethyl Ether	3.41	74	22414	5.992	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	33782	5.532	ug/l	98
10) Methyl Iodide	3.95	142	23093	3.563	ug/l	97
11) Tert butyl alcohol	4.77	59	9182	21.297	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	31404	5.512	ug/l	97
13) Acrolein	3.61	56	6618	17.454	ug/l	91
14) Allyl chloride	4.32	41	57131	5.565	ug/l	98
15) Acrylonitrile	4.99	53	67362	27.680	ug/l	98
16) Acetone	3.82	43	65278m	29.772	ug/l	
17) Carbon Disulfide	4.05	76	105515	5.678	ug/l	98
18) Methyl Acetate	4.32	43	29890	5.347	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	87672	5.483	ug/l	99
20) Methylene Chloride	4.55	84	43049	6.179	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	34827	5.568	ug/l	92
22) Diisopropyl ether	5.95	45	104426	5.221	ug/l	90
23) Vinyl Acetate	5.90	43	374270	26.343	ug/l	100
24) 1,1-Dichloroethane	5.85	63	66121	5.525	ug/l	96
25) 2-Butanone	6.84	43	80129	27.592	ug/l	98
26) 2,2-Dichloropropane	6.82	77	47239	5.477	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	38439	5.512	ug/l	100
28) Bromochloromethane	7.20	49	30312	5.075	ug/l	99
29) Tetrahydrofuran	7.21	42	53351	28.028	ug/l	98
30) Chloroform	7.37	83	62930	5.488	ug/l	96
31) Cyclohexane	7.65	56	67956	5.230	ug/l #	81
32) 1,1,1-Trichloroethane	7.57	97	51941	5.464	ug/l	99
36) 1,1-Dichloropropene	7.79	75	45328	4.955	ug/l	98
37) Ethyl Acetate	6.93	43	34964	5.331	ug/l	97
38) Carbon Tetrachloride	7.77	117	45700	5.233	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054118.D
 Acq On : 6 Mar 2019 14:04
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 11:39:16 AM

Quant Time: Mar 07 06:35:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 05:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	54965	5.206	ug/l	96
40) Benzene	8.04	78	146577	5.415	ug/l	99
41) Methacrylonitrile	7.18	41	17372m	4.357	ug/l	
42) 1,2-Dichloroethane	8.12	62	48035	5.603	ug/l	100
43) Isopropyl Acetate	8.17	43	57693	5.659	ug/l #	84
44) Trichloroethene	8.83	130	38756	5.340	ug/l	92
45) 1,2-Dichloropropane	9.12	63	39501	5.291	ug/l	96
46) Dibromomethane	9.21	93	23559	5.528	ug/l	98
47) Bromodichloromethane	9.40	83	47195	5.290	ug/l	100
48) Methyl methacrylate	9.20	41	24724	4.911	ug/l	97
49) 1,4-Dioxane	9.20	88	8104	121.826	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	149465	25.591	ug/l	99
52) Toluene	10.16	92	84745	5.285	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	42406	4.819	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	52564	5.054	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	32886	5.446	ug/l	98
56) Ethyl methacrylate	10.43	69	32993	4.654	ug/l #	90
57) 1,3-Dichloropropane	10.71	76	54106	5.252	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	75686	23.327	ug/l	100
59) 2-Hexanone	10.75	43	97972	25.427	ug/l	97
60) Dibromochloromethane	10.90	129	33081	5.124	ug/l	100
61) 1,2-Dibromoethane	11.01	107	29215	5.085	ug/l	94
64) Tetrachloroethene	10.63	164	37887	5.740	ug/l	98
65) Chlorobenzene	11.43	112	90107	5.384	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	31693	5.290	ug/l	99
67) Ethyl Benzene	11.51	91	146929	5.246	ug/l	98
68) m/p-Xylenes	11.62	106	109422	10.353	ug/l	99
69) o-Xylene	11.95	106	52498	5.162	ug/l	96
70) Styrene	11.96	104	78052	4.835	ug/l	99
71) Bromoform	12.13	173	20646	5.007	ug/l #	97
73) Isopropylbenzene	12.25	105	141718	5.727	ug/l	98
74) N-amyl acetate	12.07	43	33992	5.187	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	38643	6.000	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	28943m	5.953	ug/l	
77) Bromobenzene	12.53	156	35228	5.526	ug/l	99
78) n-propylbenzene	12.59	91	151520	5.442	ug/l	100
79) 2-Chlorotoluene	12.67	91	95852	5.668	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	110333	5.485	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	7557	4.897	ug/l #	83
82) 4-Chlorotoluene	12.77	91	90370	5.361	ug/l	99
83) tert-Butylbenzene	12.99	119	102680	5.764	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	108900	5.455	ug/l	96
85) sec-Butylbenzene	13.17	105	137879	5.704	ug/l	100
86) p-Isopropyltoluene	13.29	119	110792	5.452	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	58026	5.358	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	55933	5.205	ug/l	95
89) n-Butylbenzene	13.62	91	84716	4.937	ug/l	98
90) Hexachloroethane	13.87	117	22101	5.670	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	57835	5.365	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5165	5.721	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
Data File : VN054118.D
Acq On : 6 Mar 2019 14:04
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

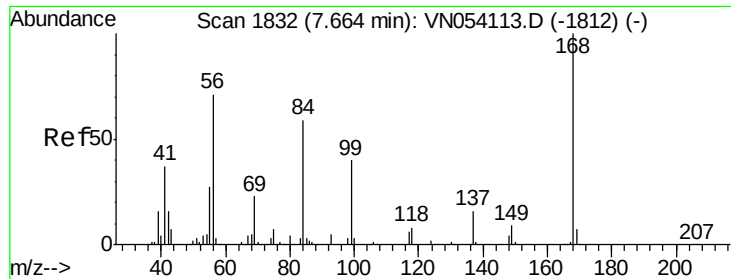
Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:16 AM

Quant Time: Mar 07 06:35:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 05:44:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	21592	4.196	ug/l	100
94) Hexachlorobutadiene	15.01	225	22109	5.730	ug/l	97
95) Naphthalene	15.13	128	38505	3.628	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	22016	4.251	ug/l	96

(#) = 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: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 590092

Ion Ratio Lower Upper

168 100

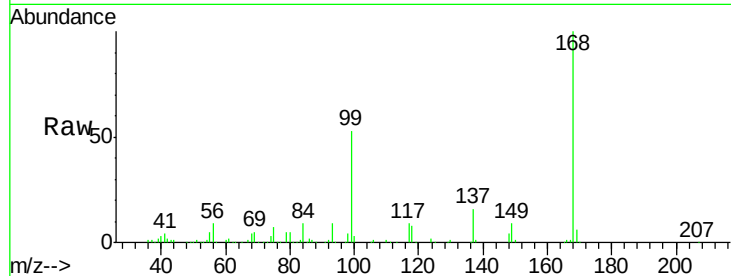
99 52.4 41.1 61.7

Manual Integrations

APPROVED

MMDadoda

3/7/2019 11:39:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

150000

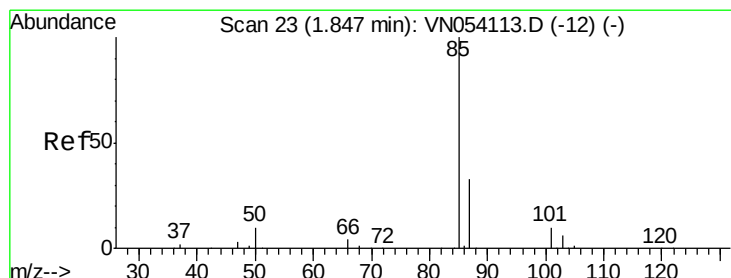
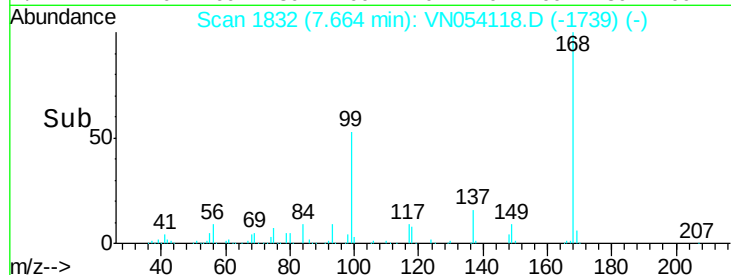
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 5.899 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054118.D

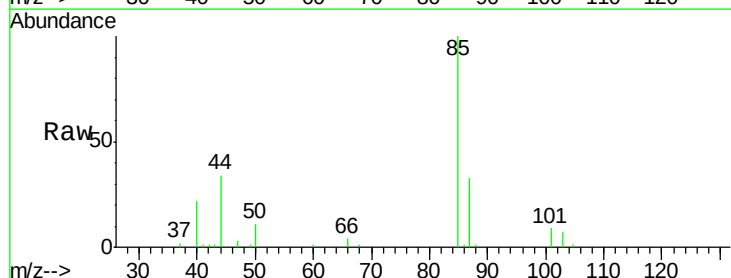
Acq: 6 Mar 2019 14:04

Tgt Ion: 85 Resp: 33455

Ion Ratio Lower Upper

85 100

87 33.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

25000

20000

15000

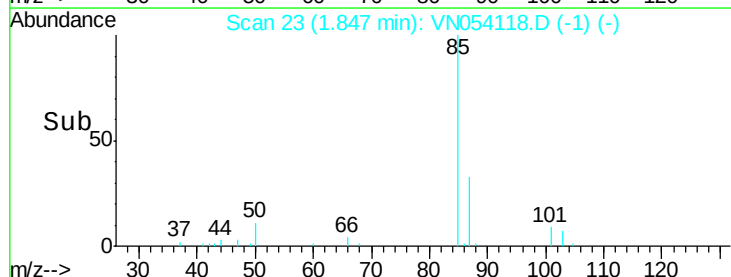
10000

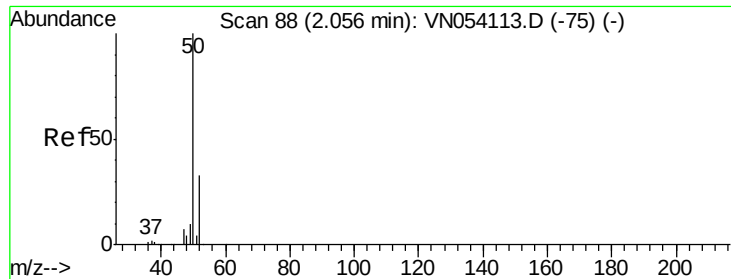
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 5.907 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 48003

Ion Ratio Lower Upper

50 100

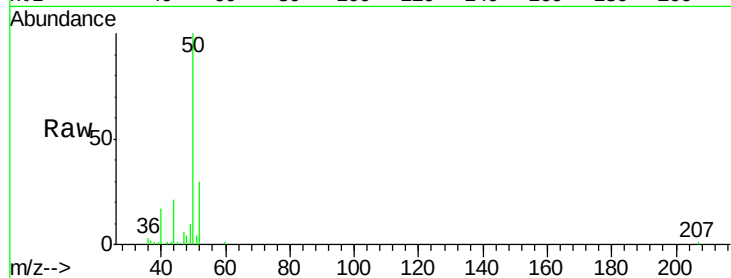
52 30.4 26.0 39.0

Manual Integrations

APPROVED

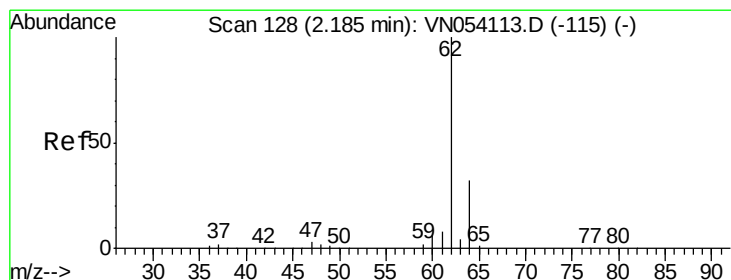
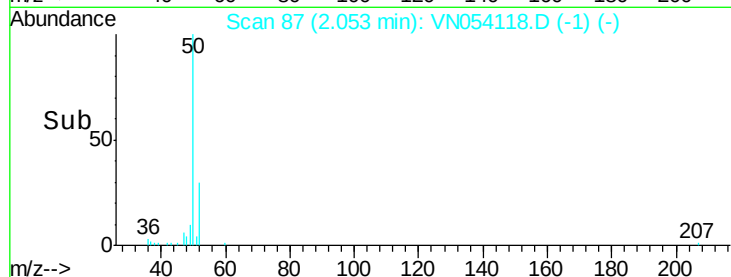
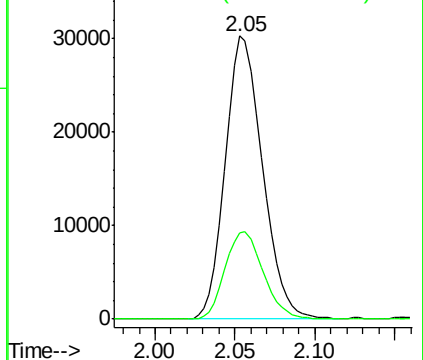
MMDadoda

3/7/2019 11:39:16 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 5.729 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN054118.D

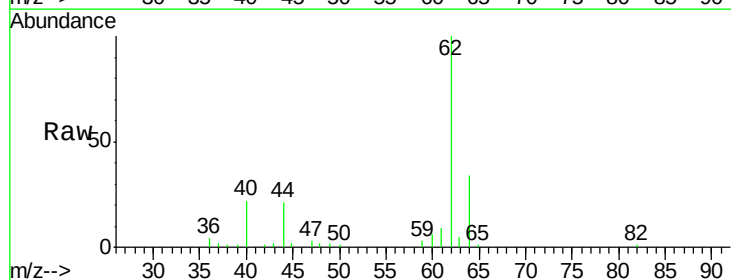
Acq: 6 Mar 2019 14:04

Tgt Ion: 62 Resp: 44023

Ion Ratio Lower Upper

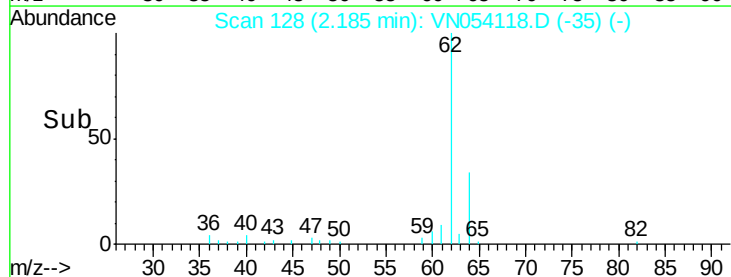
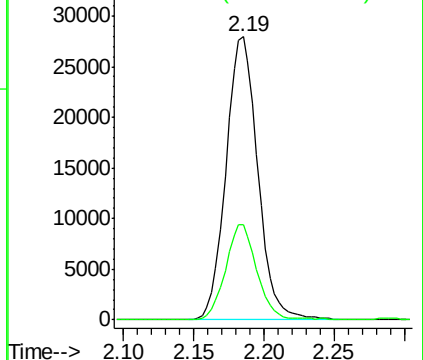
62 100

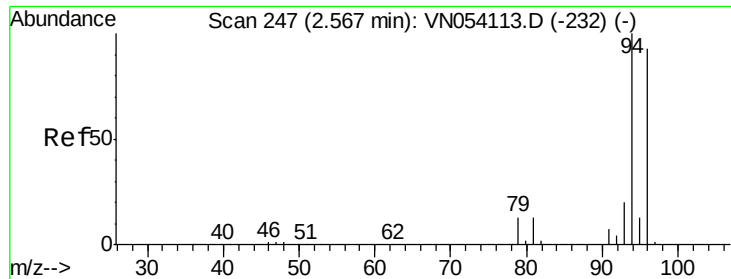
64 33.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





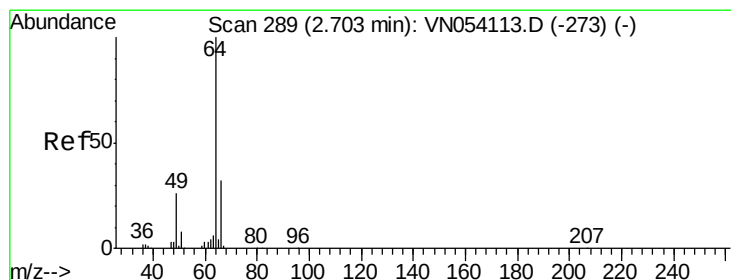
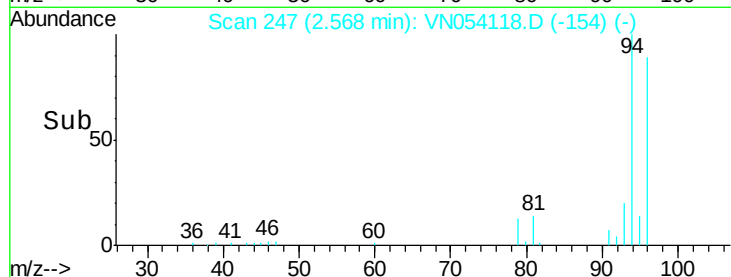
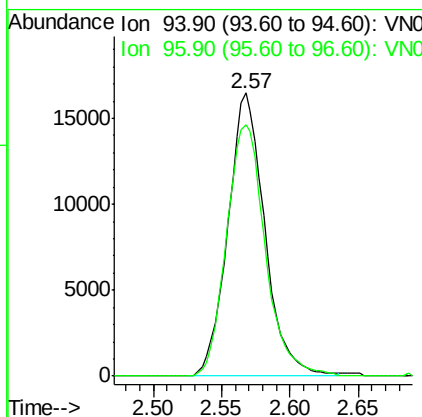
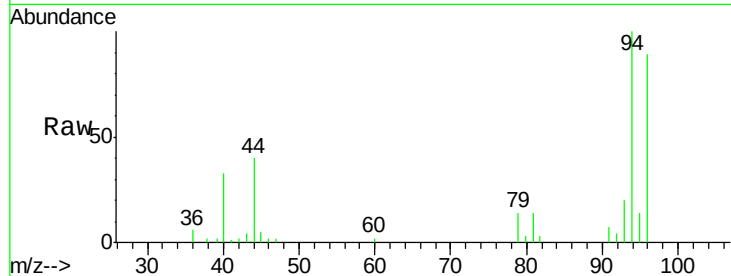
#5
Bromomethane
Concen: 6.209 ug/l
RT: 2.57 min Scan# 247
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 94 Resp: 30935
Ion Ratio Lower Upper
94 100
96 88.9 74.2 111.4

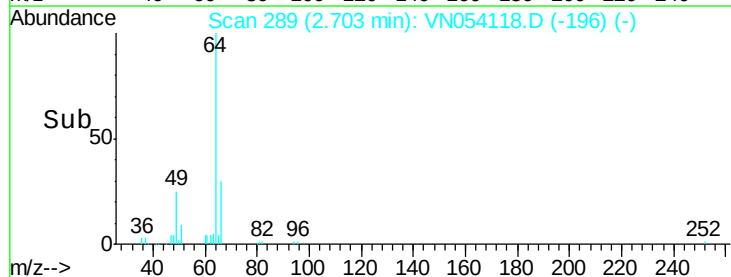
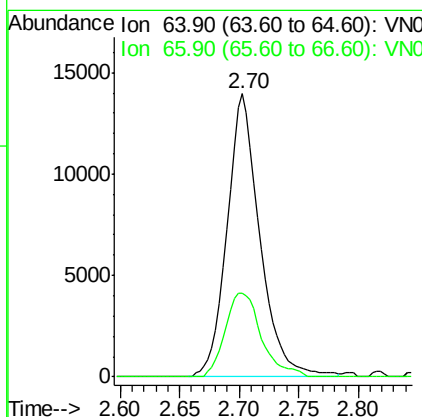
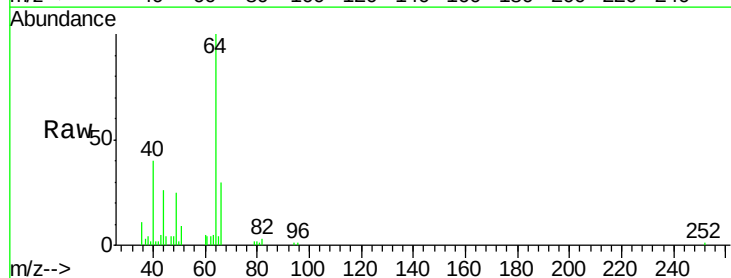
Manual Integrations
APPROVED

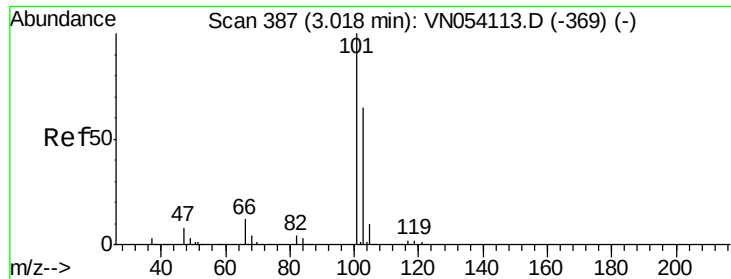
MMDadoda
3/7/2019 11:39:16 AM



#6
Chloroethane
Concen: 5.732 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 64 Resp: 26695
Ion Ratio Lower Upper
64 100
66 29.6 25.4 38.2





#7

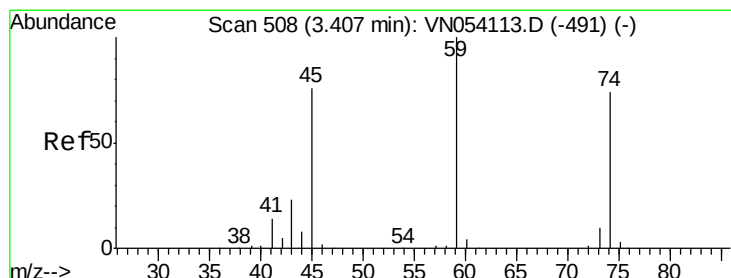
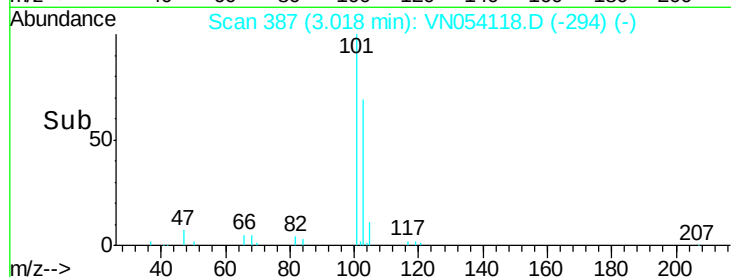
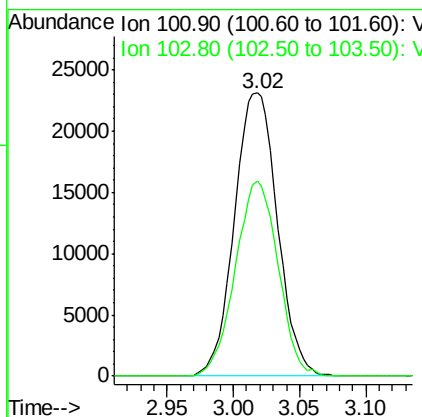
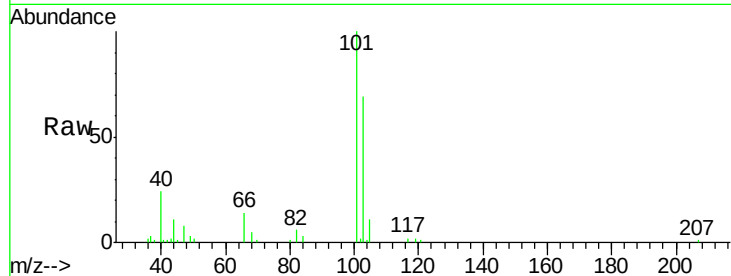
Trichlorofluoromethane
Concen: 5.550 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.0	52.0	78.0

Manual Integrations
APPROVED

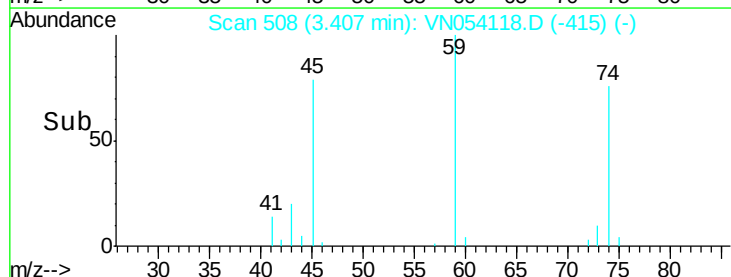
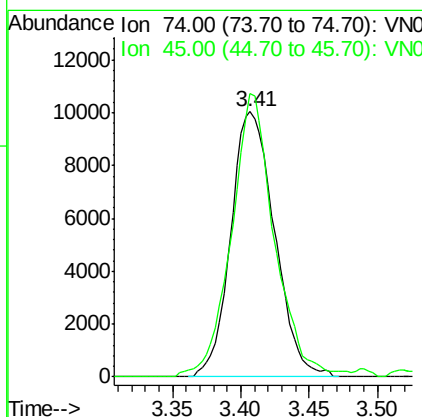
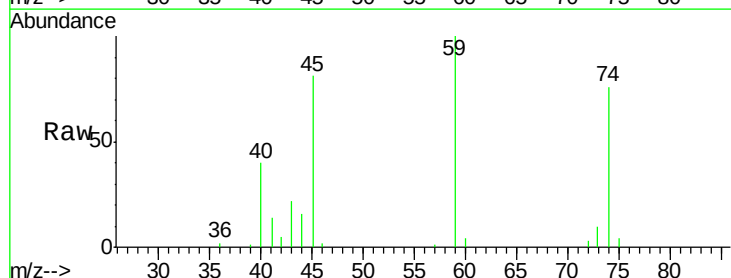
MMDadoda
3/7/2019 11:39:16 AM

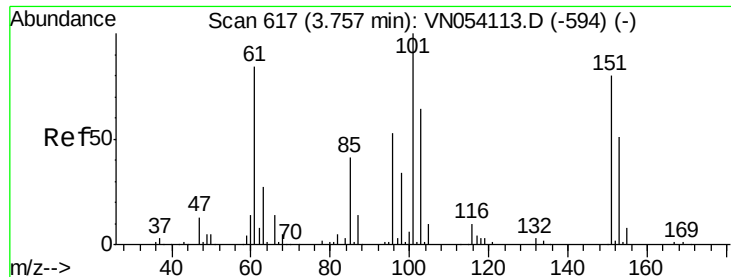


#8

Diethyl Ether
Concen: 5.992 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.0	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.532 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

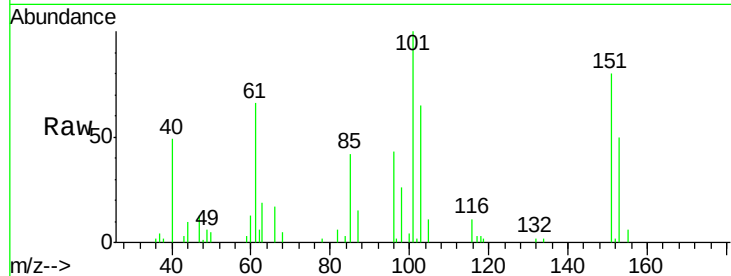
ClientSampled :

VSTDIC005

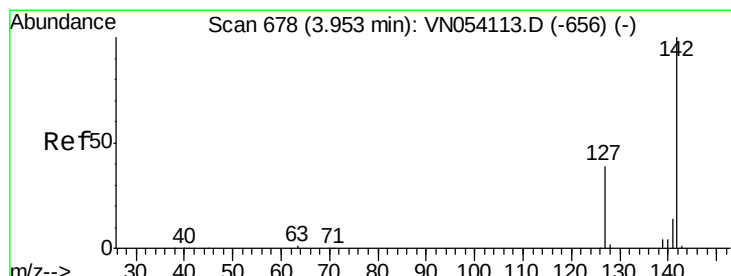
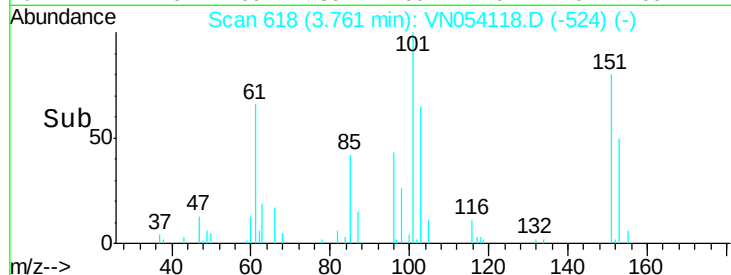
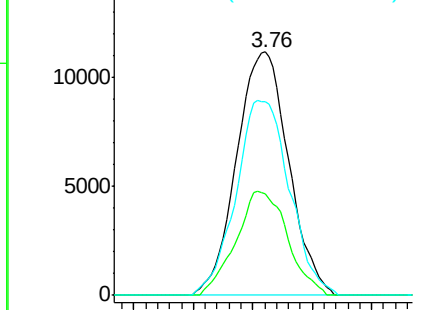
Tot Ion:	101	Resp:	33782
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.1	49.7
151	82.3	64.3	96.5

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:16 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.563 ug/l

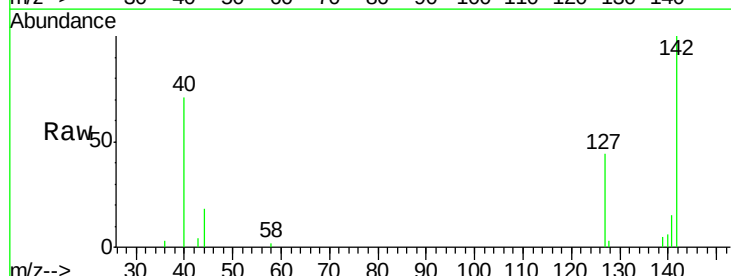
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

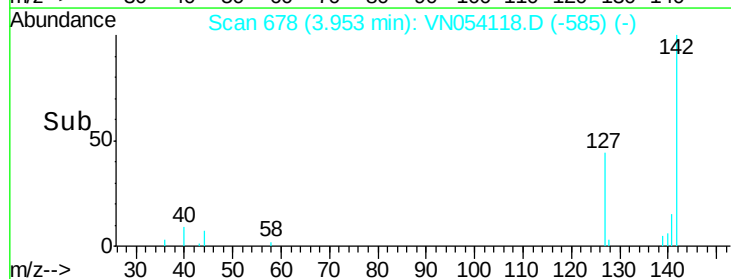
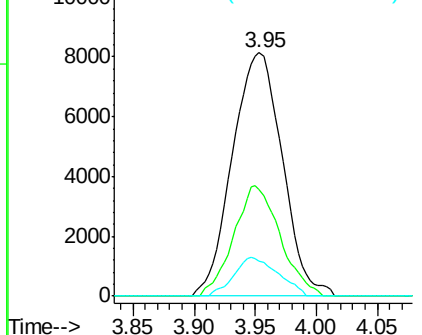
Lab File: VN054118.D

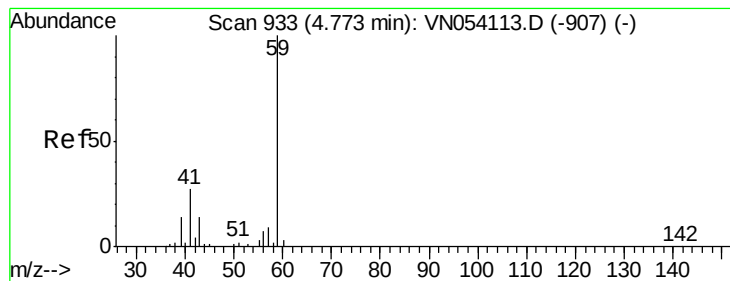
Acq: 6 Mar 2019 14:04

Tgt Ion:	142	Resp:	23093
Ion Ratio	Lower	Upper	
142	100		
127	42.1	31.9	47.9
141	14.1	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

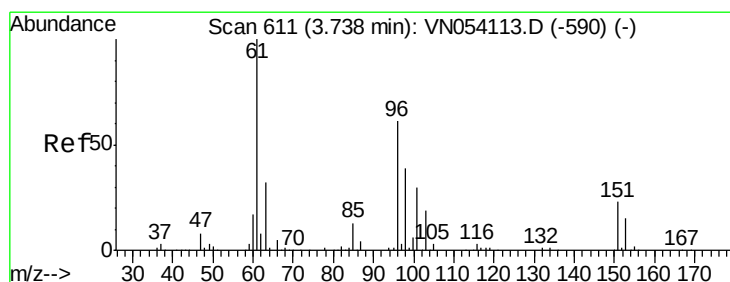
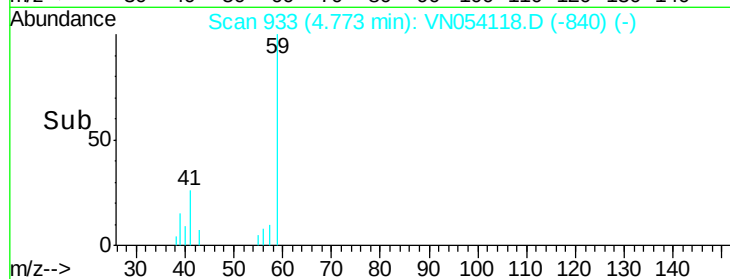
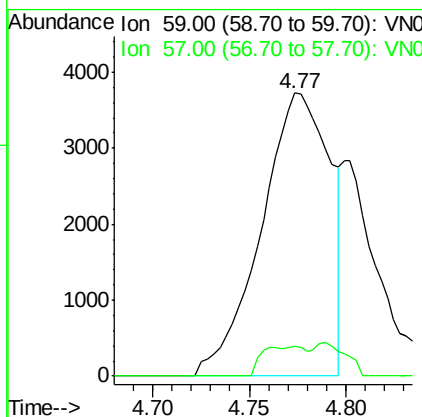
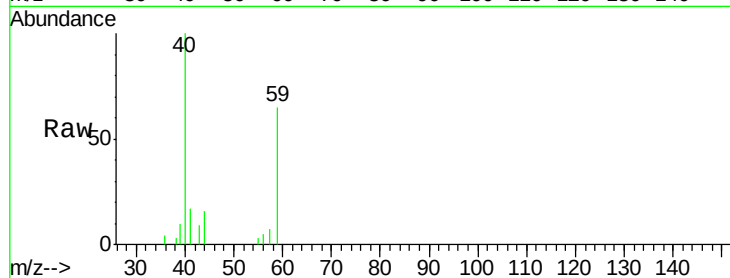
Tert butyl alcohol
Concen: 21.297 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

Manual Integrations
APPROVED

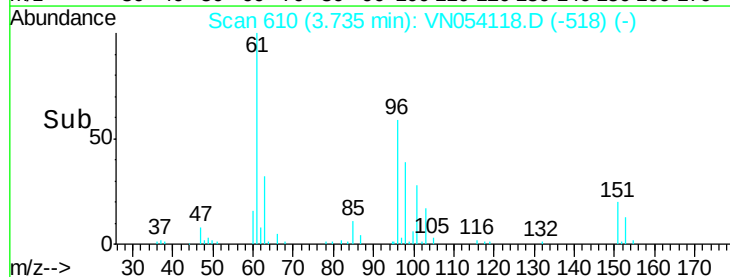
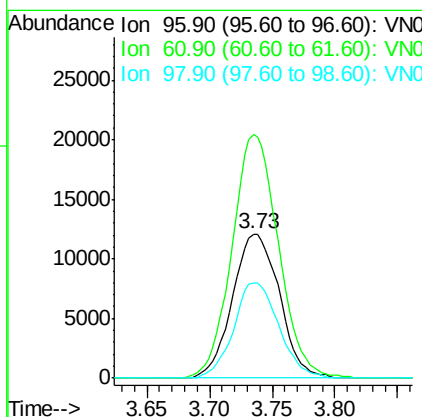
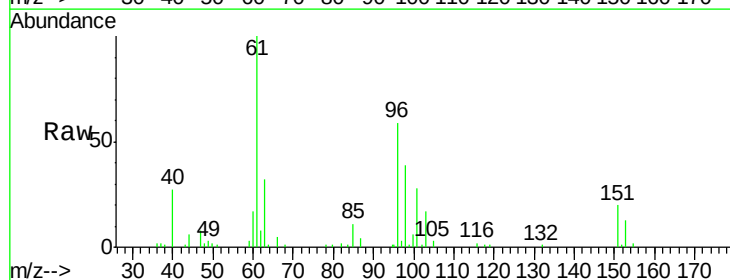
MMDadoda
3/7/2019 11:39:16 AM

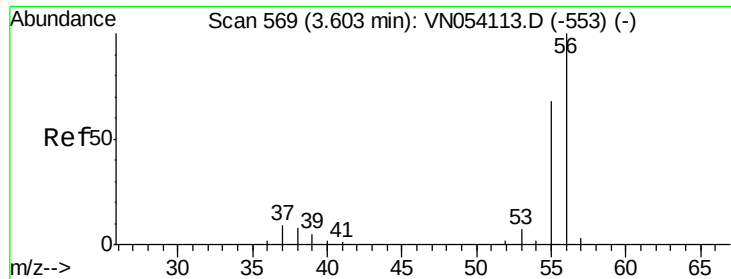


#12

1,1-Dichloroethene
Concen: 5.512 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	131.2	196.8
98	66.4	50.7	76.1





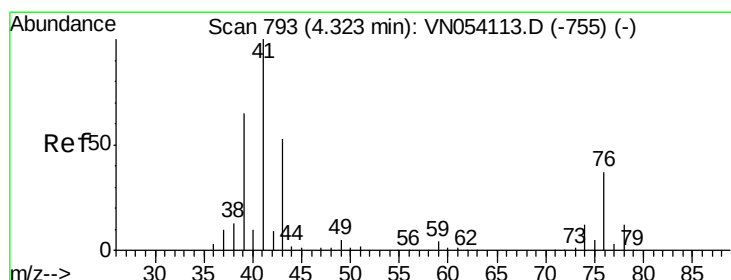
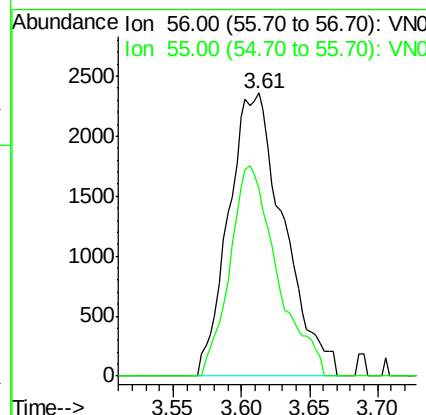
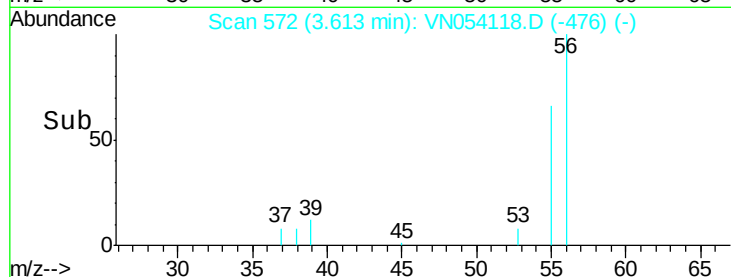
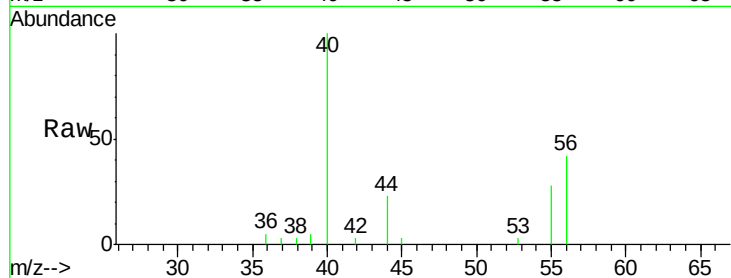
#13
Acrolein
Concen: 17.454 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.01 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 56 Resp: 6618
Ion Ratio Lower Upper
56 100
55 63.7 57.1 85.7

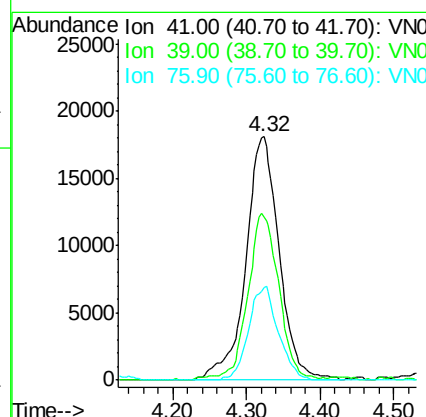
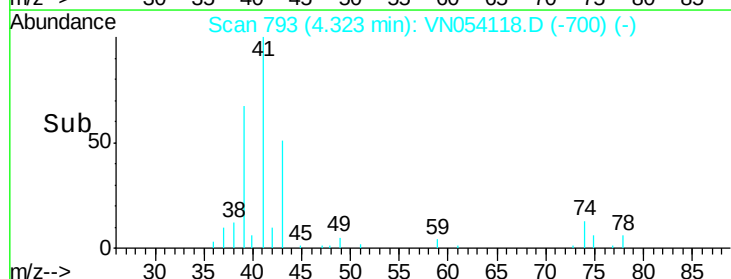
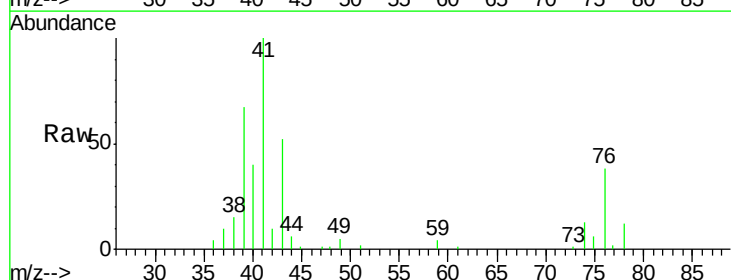
Manual Integrations
APPROVED

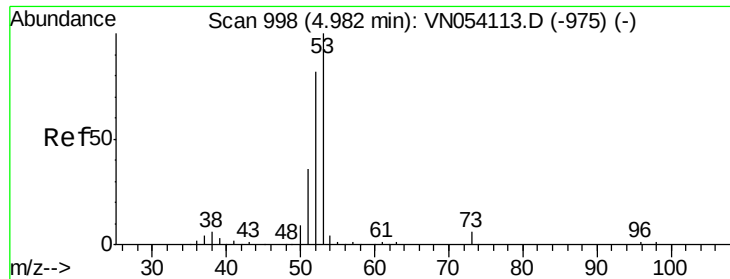
MMDadoda
3/7/2019 11:39:16 AM



#14
Allyl chloride
Concen: 5.565 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 41 Resp: 57131
Ion Ratio Lower Upper
41 100
39 60.5 49.3 73.9
76 34.2 26.5 39.7





#15

Acrylonitrile

Concen: 27.680 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

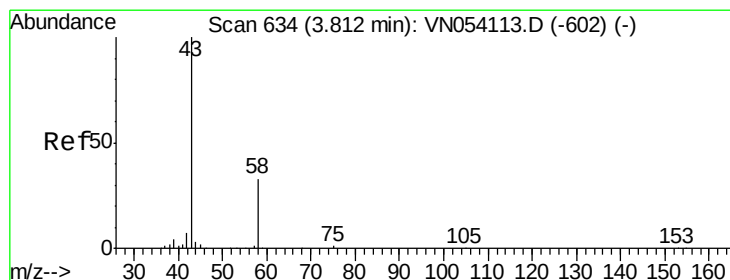
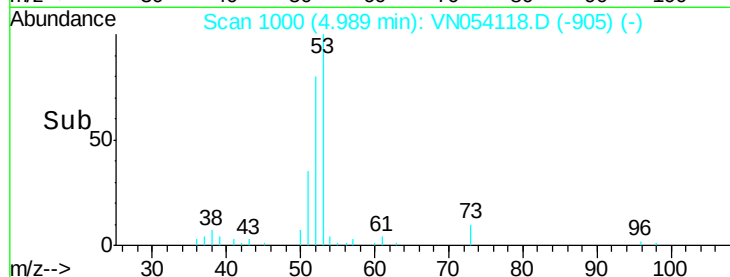
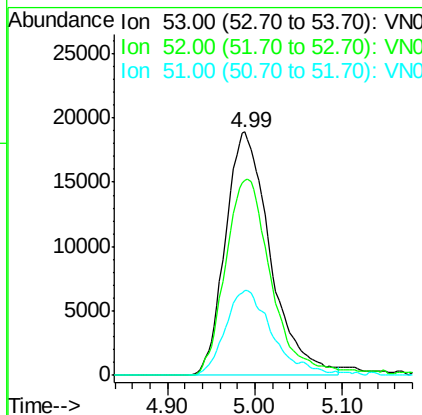
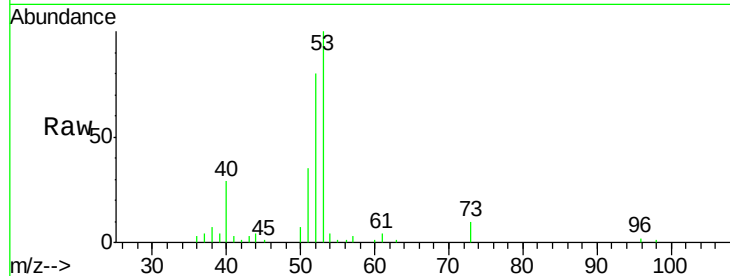
ClientSampled :

VSTDIC005

Tot Ion:	53	Resp:	67362
Ion	Ratio	Lower	Upper
53	100		
52	82.2	64.6	97.0
51	34.5	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:16 AM



#16

Acetone

Concen: 29.772 ug/l m

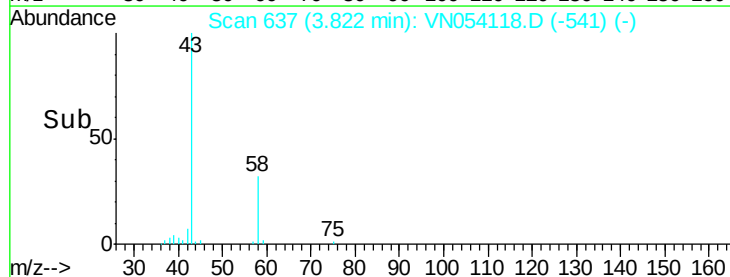
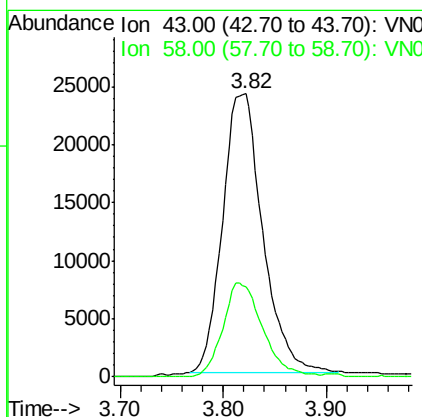
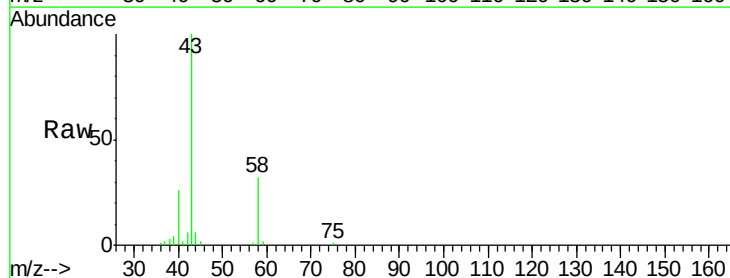
RT: 3.82 min Scan# 637

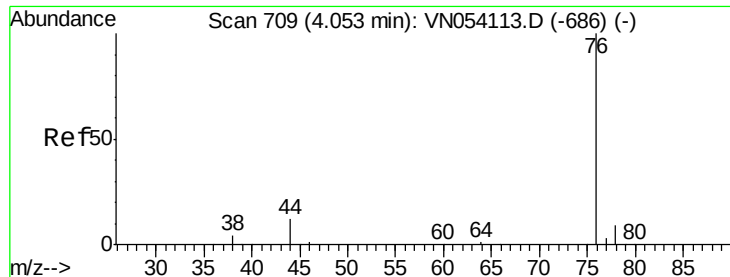
Delta R.T. 0.01 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Tgt Ion:	43	Resp:	65278
Ion	Ratio	Lower	Upper
43	100		
58	31.8	26.5	39.7





#17

Carbon Disulfide

Concen: 5.678 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 105515

Ion Ratio Lower Upper

76 100

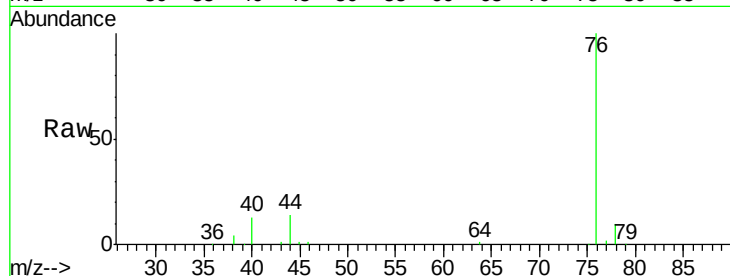
78 9.7 7.3 10.9

Manual Integrations

APPROVED

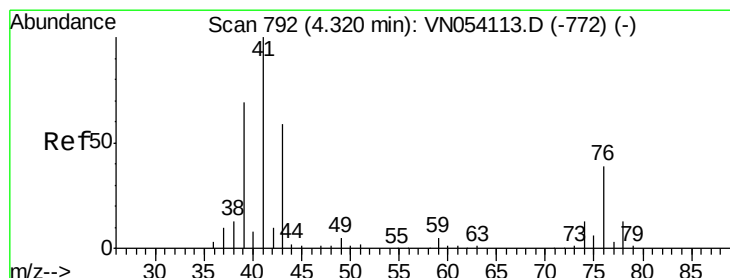
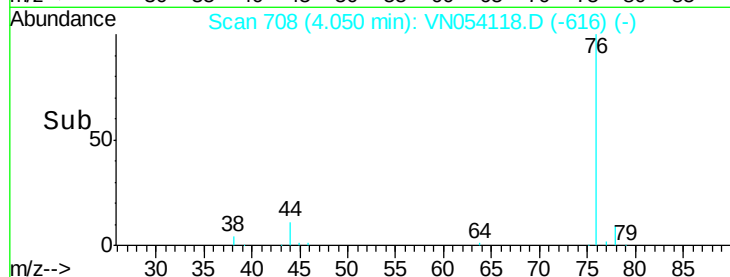
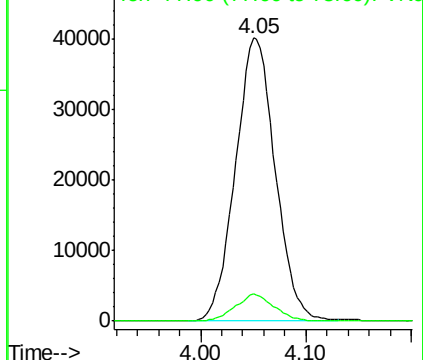
MMDadoda

3/7/2019 11:39:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 5.347 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054118.D

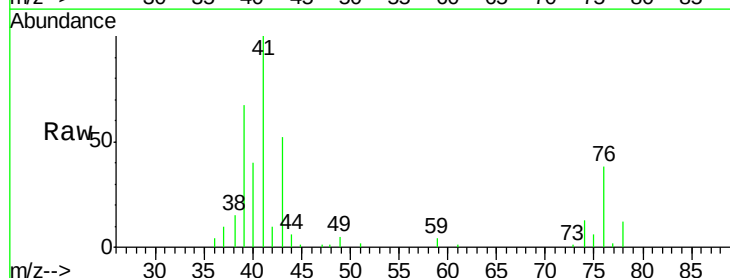
Acq: 6 Mar 2019 14:04

Tgt Ion: 43 Resp: 29890

Ion Ratio Lower Upper

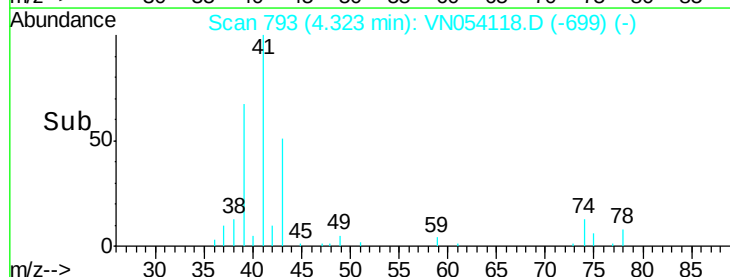
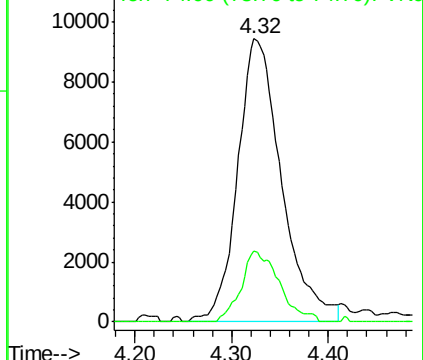
43 100

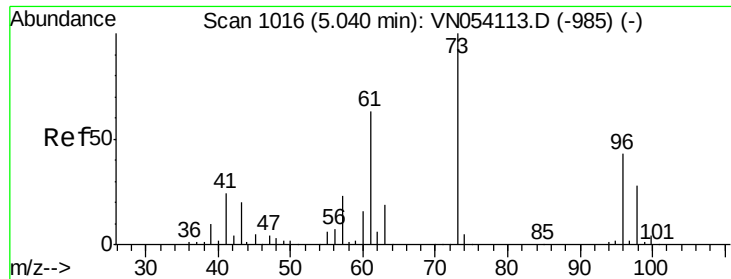
74 21.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





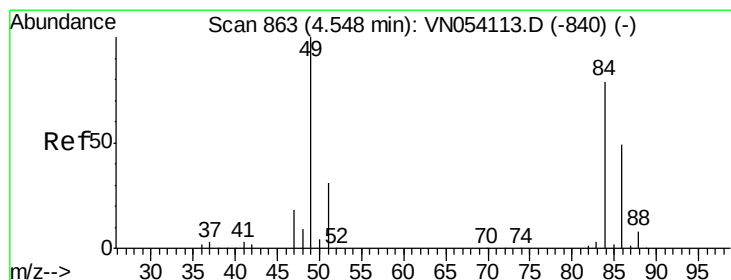
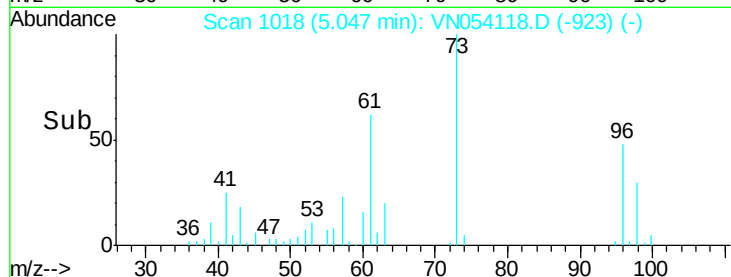
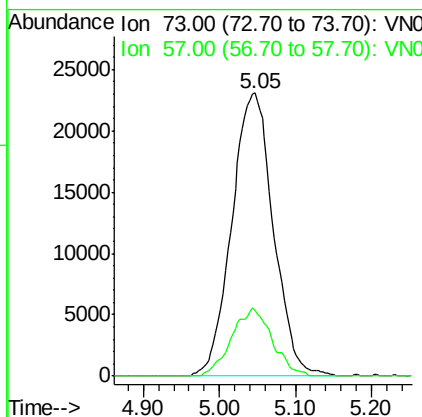
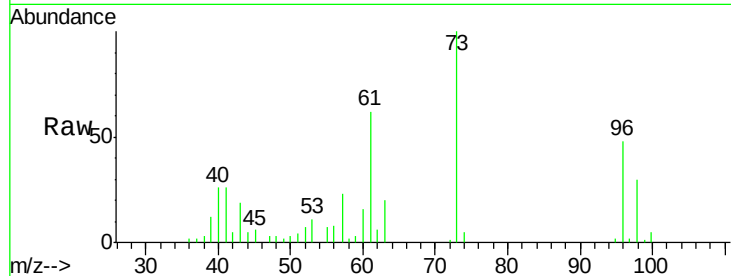
#19
Methyl tert-butyl Ether
Concen: 5.483 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 73 Resp: 87672
Ion Ratio Lower Upper
73 100
57 23.3 18.2 27.4

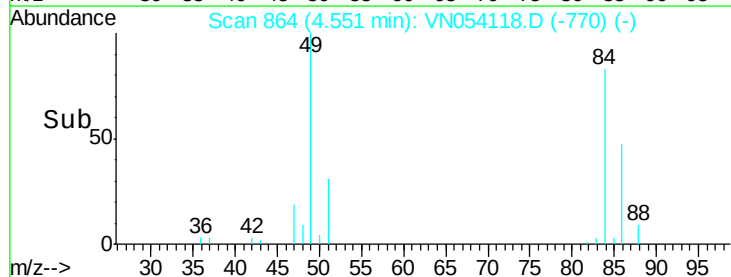
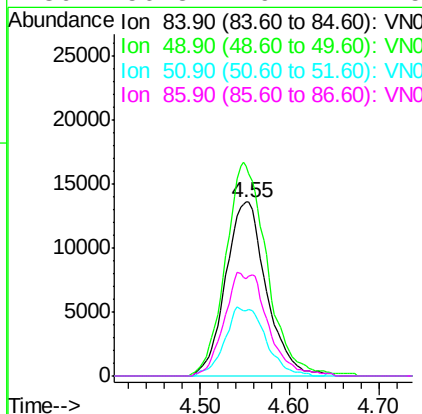
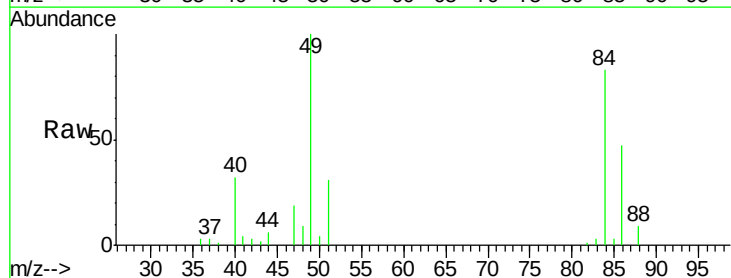
Manual Integrations
APPROVED

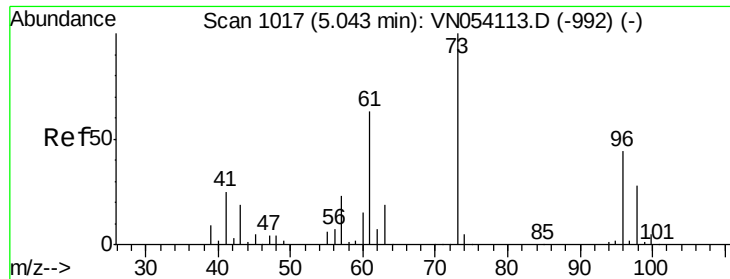
MMDadoda
3/7/2019 11:39:16 AM



#20
Methylene Chloride
Concen: 6.179 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 84 Resp: 43049
Ion Ratio Lower Upper
84 100
49 120.8 101.8 152.8
51 37.9 31.1 46.7
86 56.3 49.7 74.5





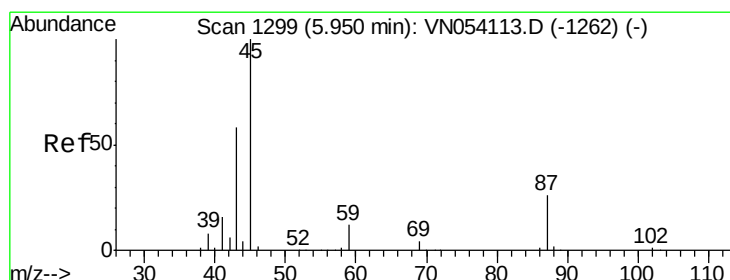
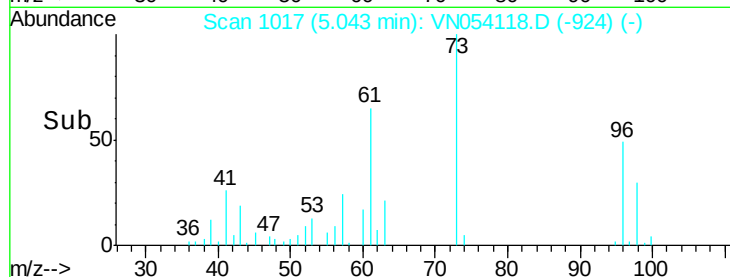
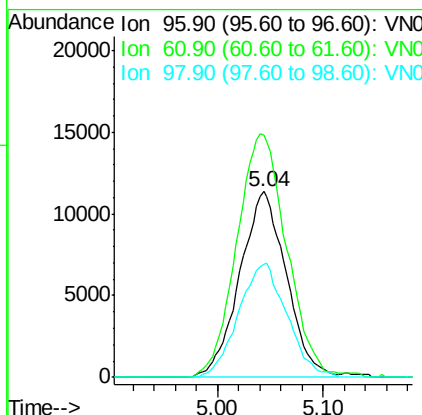
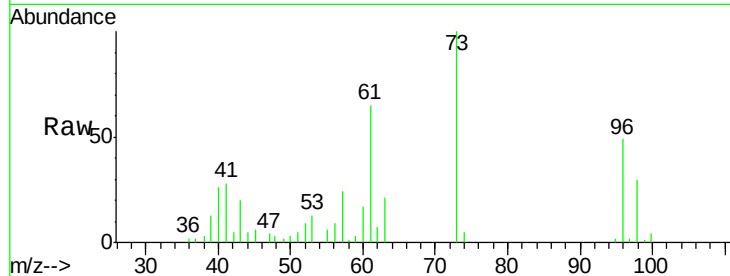
#21
trans-1,2-Dichloroethene
Concen: 5.568 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	114.8	172.2
98	61.2	51.4	77.0

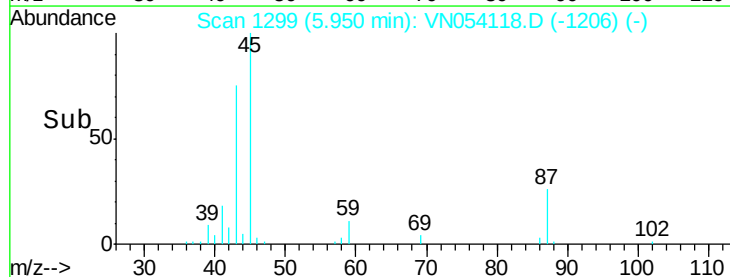
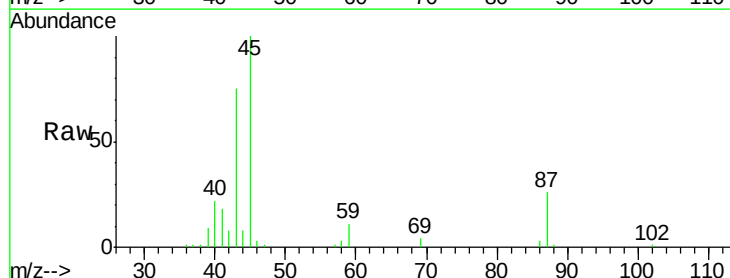
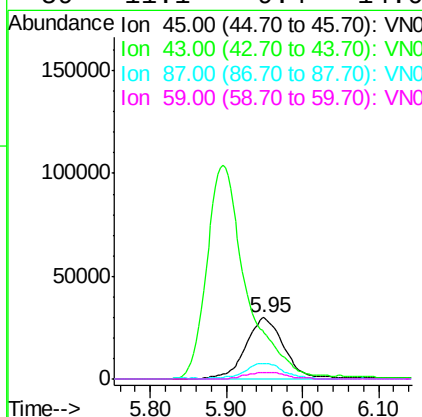
Manual Integrations
APPROVED

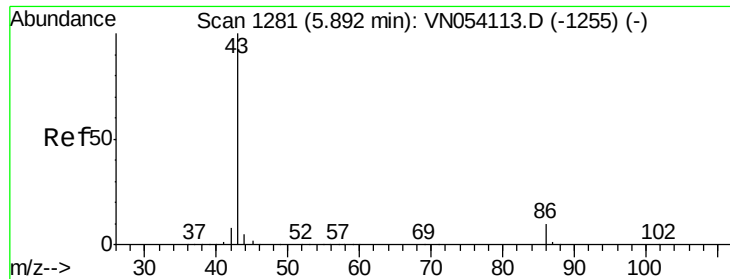
MMDadoda
3/7/2019 11:39:16 AM



#22
Diisopropyl ether
Concen: 5.221 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.3	46.2	69.4
87	25.2	20.6	31.0
59	11.1	9.4	14.0





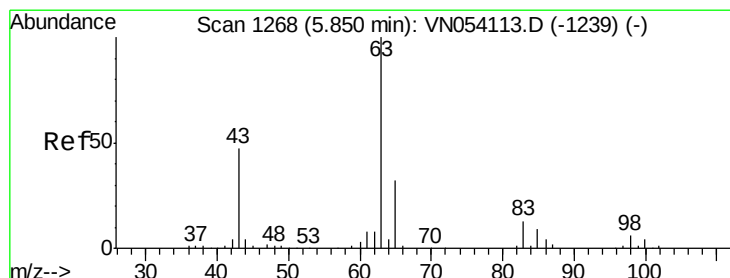
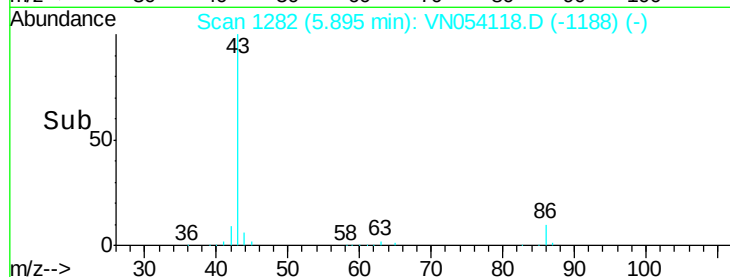
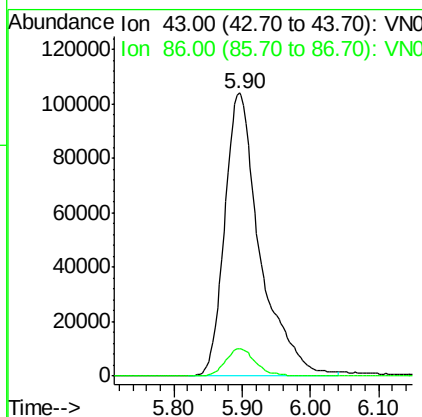
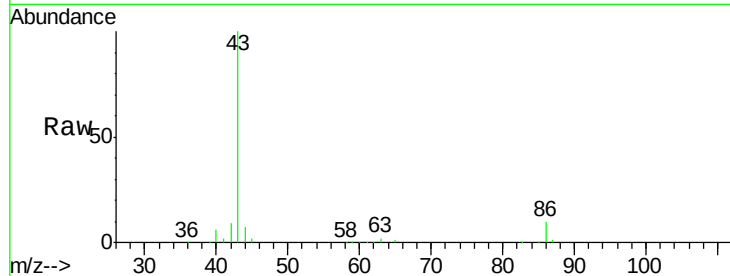
#23
Vinyl Acetate
Concen: 26.343 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	374270
Ion Ratio	100	Lower	Upper
43	100		
86	9.8	7.8	11.8

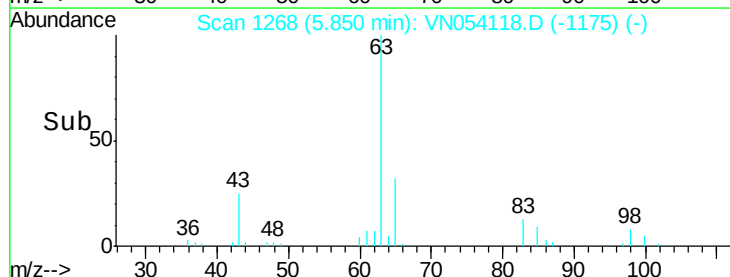
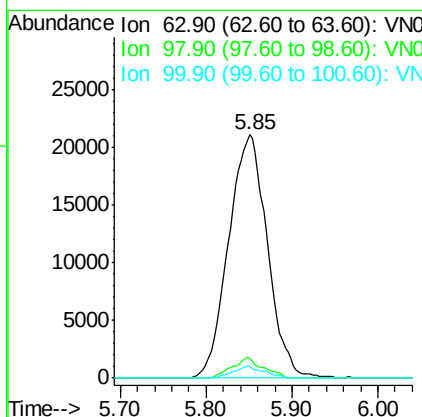
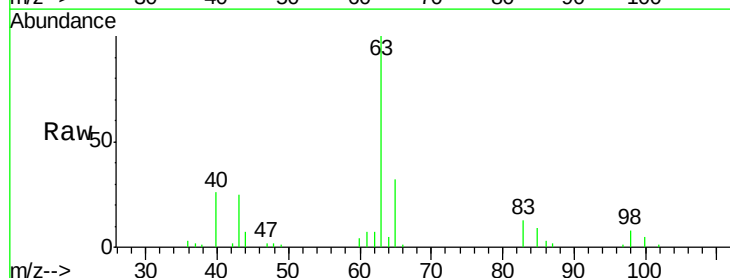
Manual Integrations
APPROVED

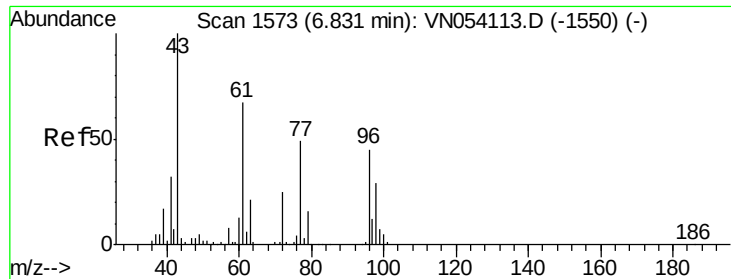
MMDadoda
3/7/2019 11:39:16 AM



#24
1,1-Dichloroethane
Concen: 5.525 ug/l
RT: 5.85 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion	63	Resp	66121
Ion Ratio	100	Lower	Upper
63	100		
98	8.1	3.1	9.4
100	4.8	2.0	6.0





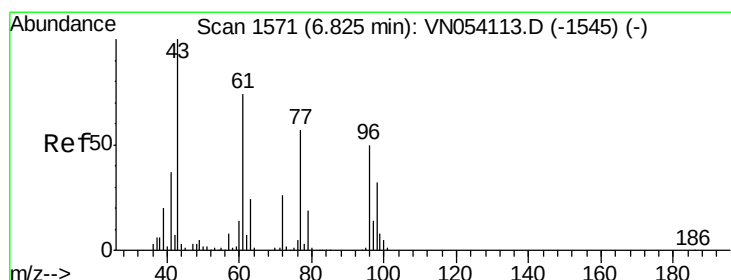
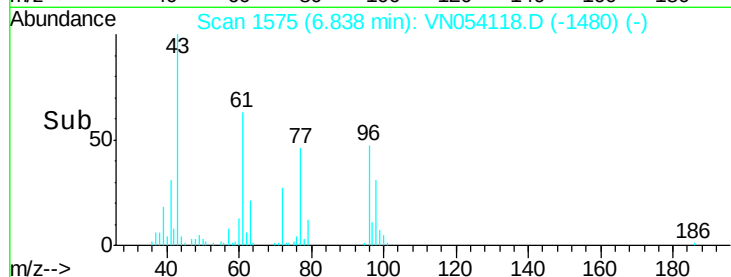
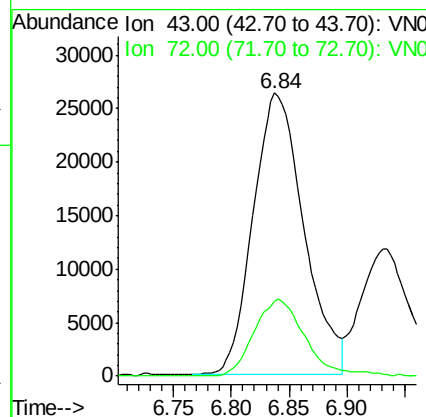
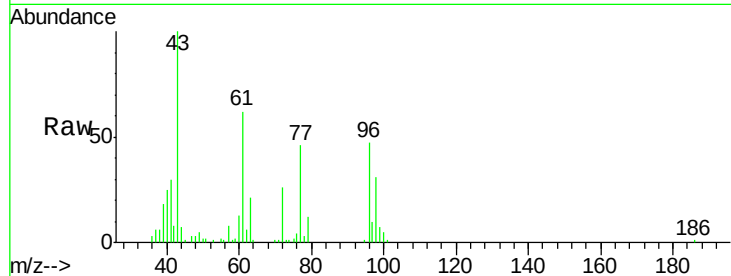
#25
2-Butanone
Concen: 27.592 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 80129
Ion Ratio Lower Upper
43 100
72 26.4 20.2 30.2

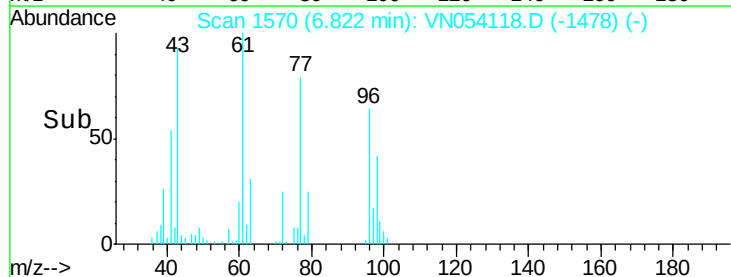
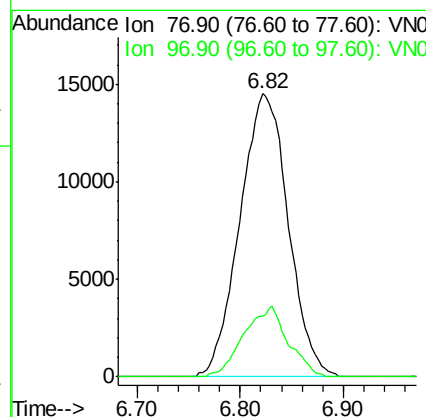
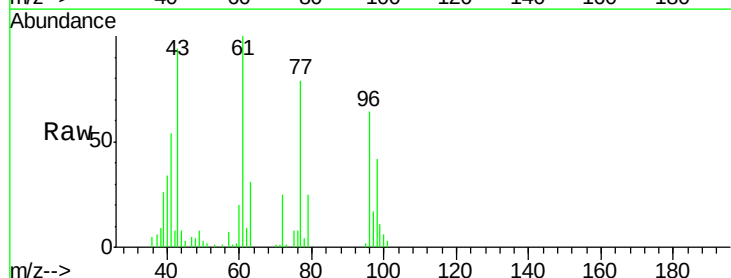
Manual Integrations
APPROVED

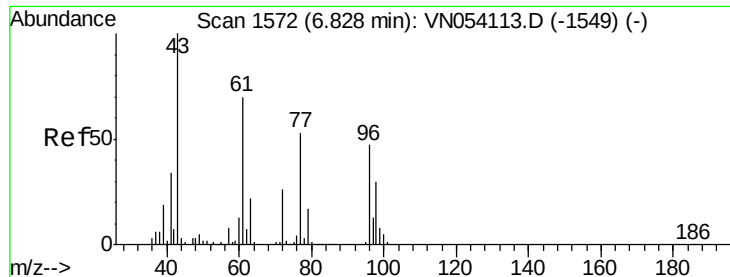
MMDadoda
3/7/2019 11:39:16 AM



#26
2,2-Dichloropropane
Concen: 5.477 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 77 Resp: 47239
Ion Ratio Lower Upper
77 100
97 22.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 5.512 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

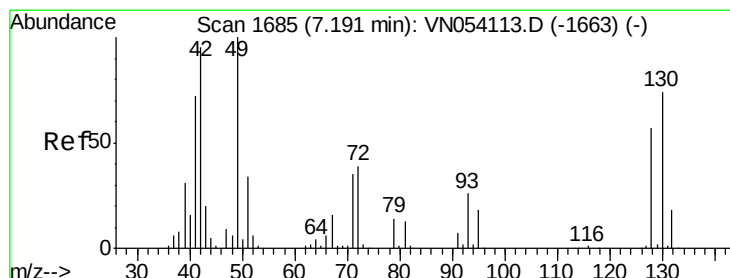
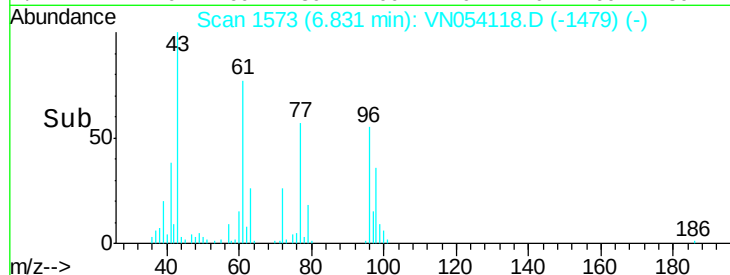
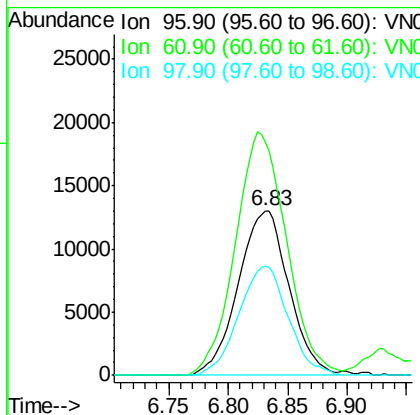
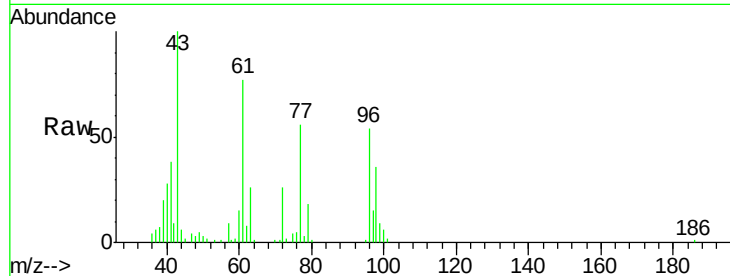
ClientSampled :

VSTDIC005

Tot Ion:	96	Resp:	38439
Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	297.0
98	64.5	0.0	129.4

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:16 AM



#28

Bromochloromethane

Concen: 5.075 ug/l

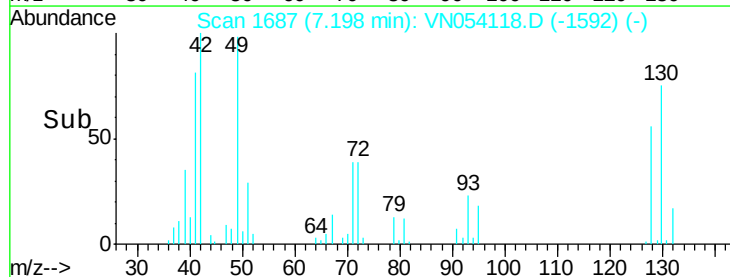
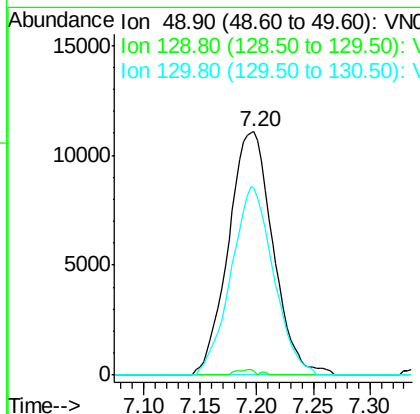
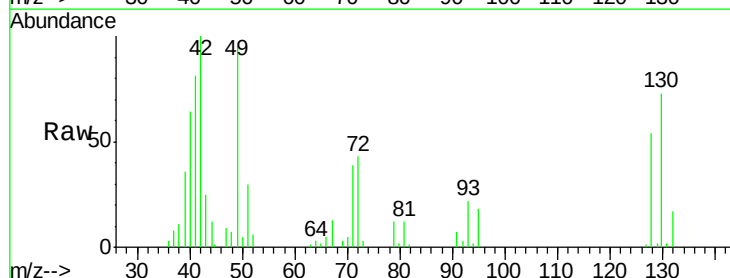
RT: 7.20 min Scan# 1687

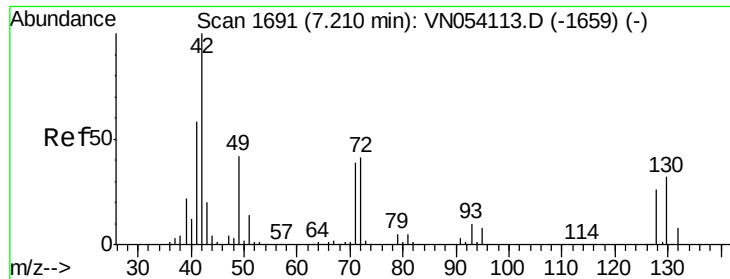
Delta R.T. 0.01 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Tgt Ion:	49	Resp:	30312
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	73.8	59.4	89.2





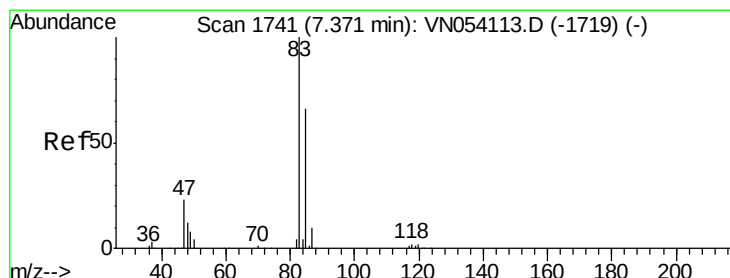
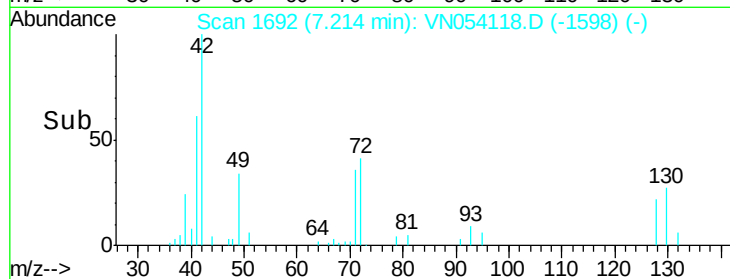
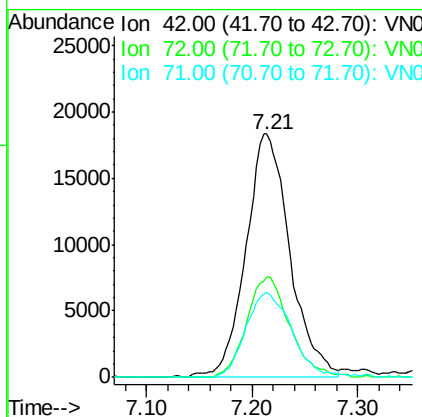
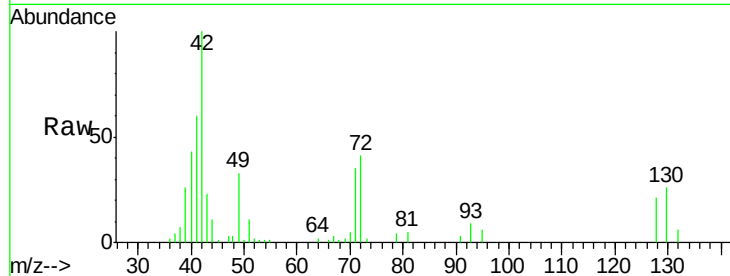
#29
Tetrahydrofuran
Concen: 28.028 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.8	49.2
71	36.4	30.5	45.7

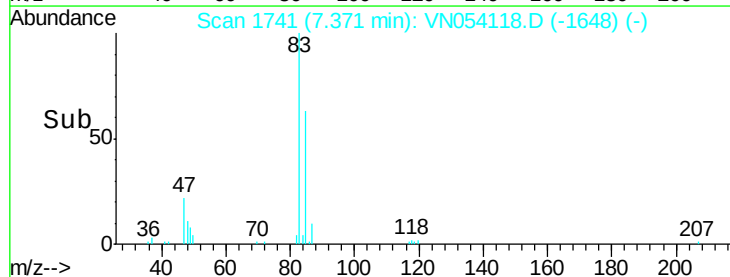
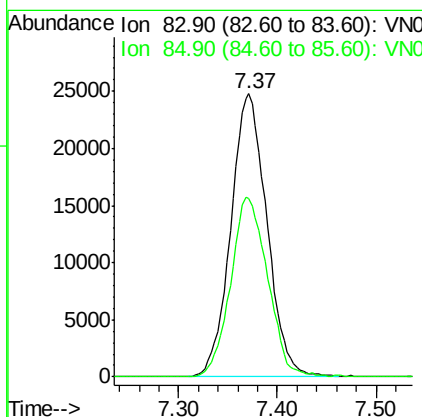
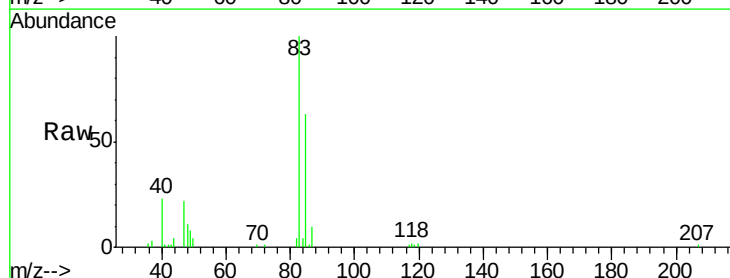
Manual Integrations
APPROVED

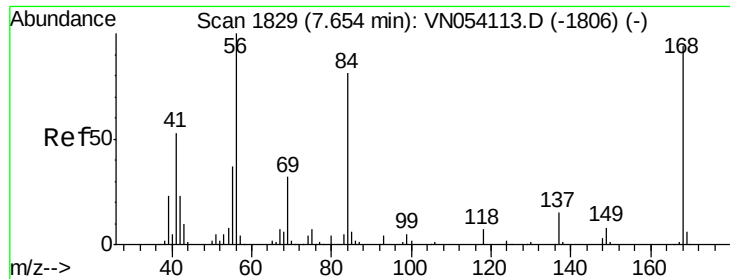
MMDadoda
3/7/2019 11:39:16 AM



#30
Chloroform
Concen: 5.488 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	53.1	79.7





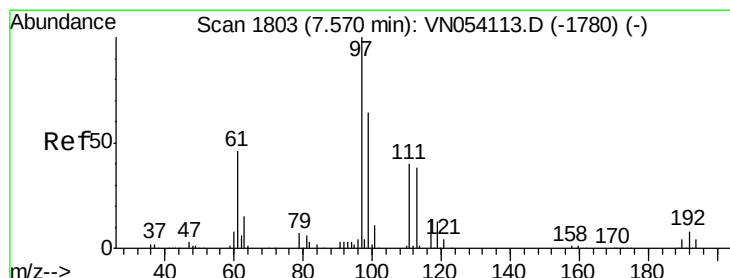
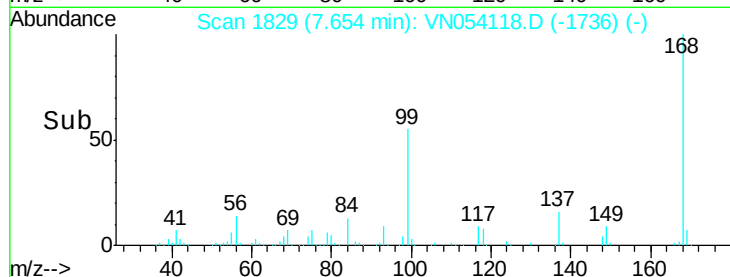
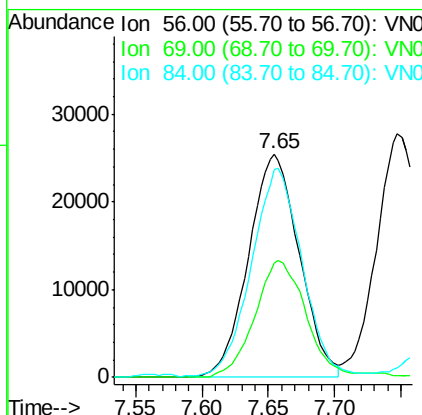
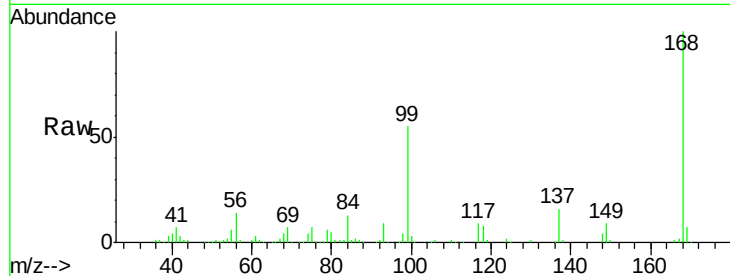
#31
Cyclohexane
Concen: 5.230 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	51.0	25.5	38.3
84	91.9	64.5	96.7

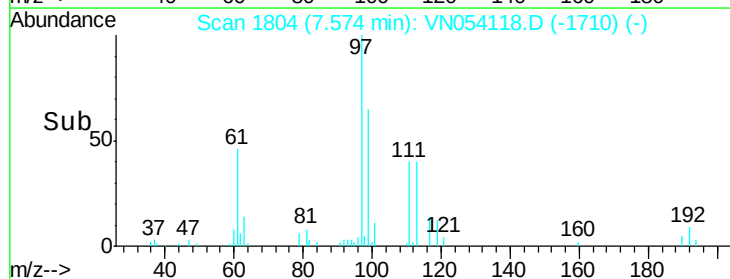
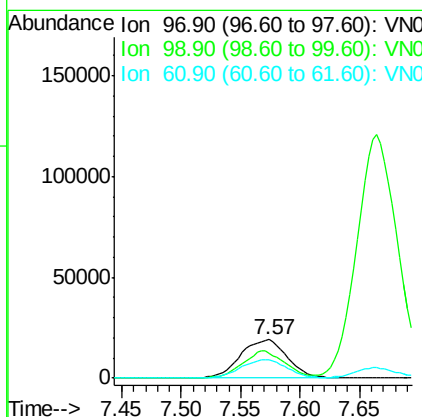
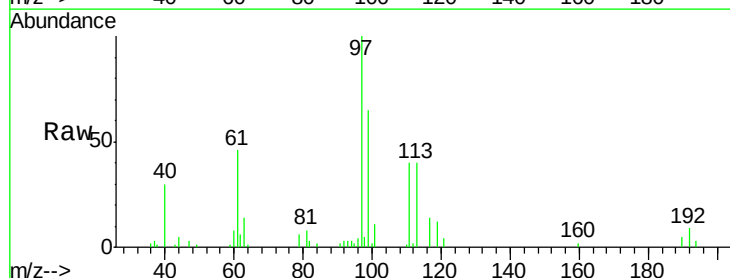
Manual Integrations
APPROVED

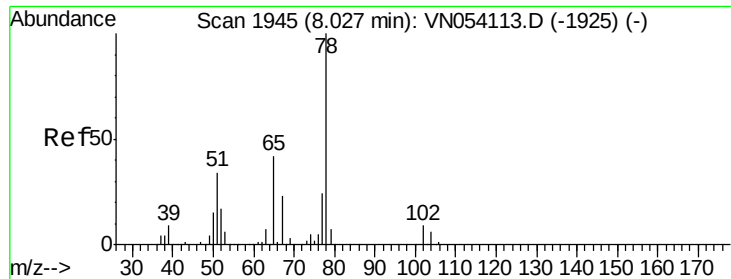
MMDadoda
3/7/2019 11:39:16 AM



#32
1,1,1-Trichloroethane
Concen: 5.464 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	46.7	37.1	55.7





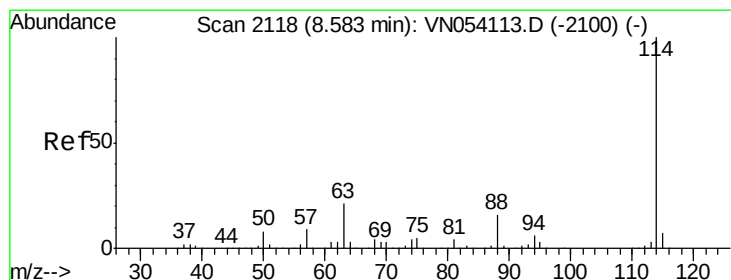
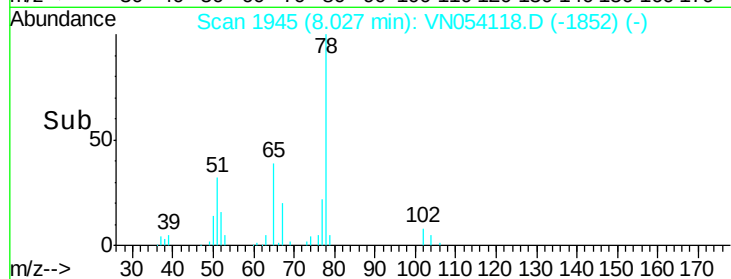
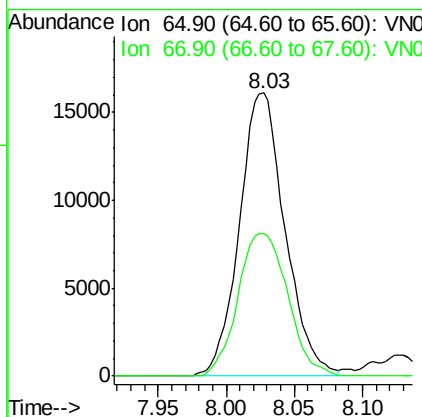
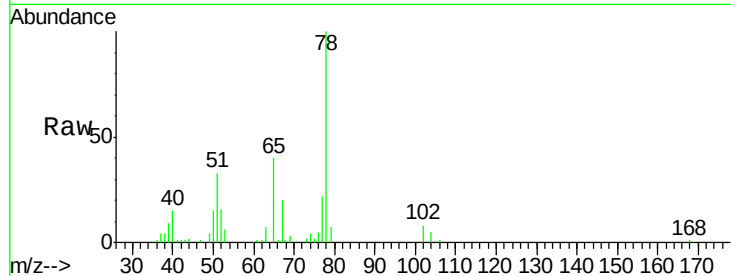
#33
 1,2-Dichloroethane-d4
 Concen: 5.284 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	109.6

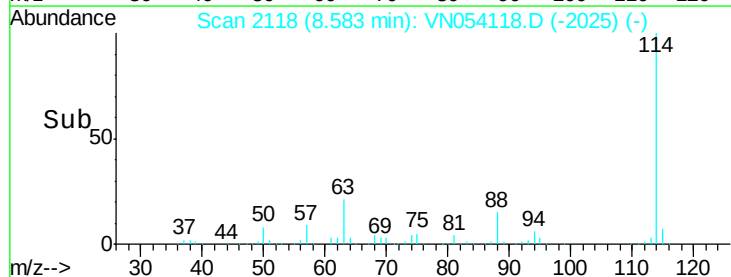
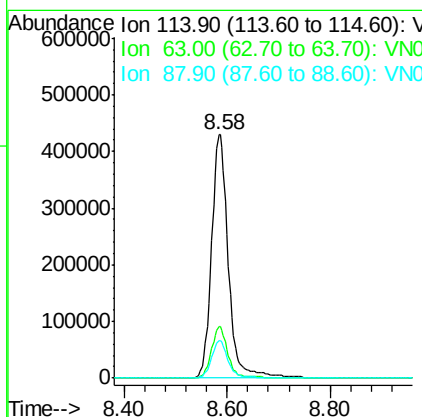
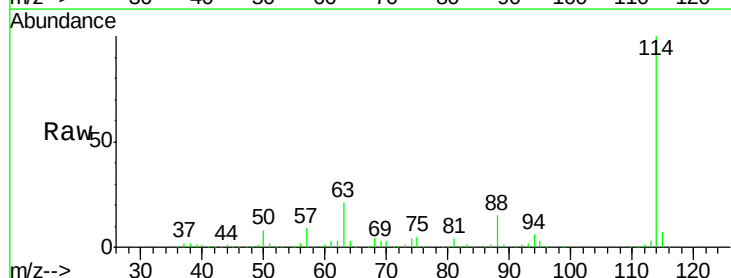
Manual Integrations
 APPROVED

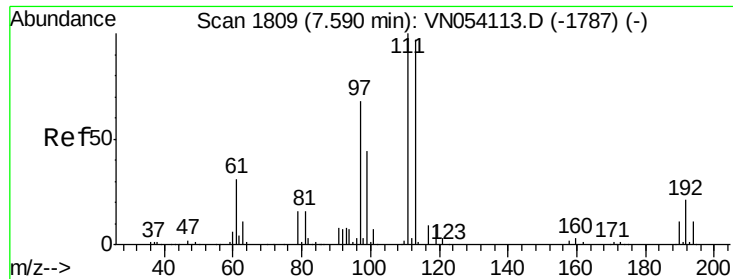
MMDadoda
 3/7/2019 11:39:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.6
88	15.5	0.0	31.8





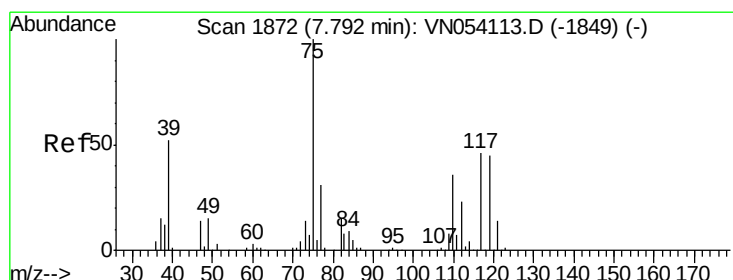
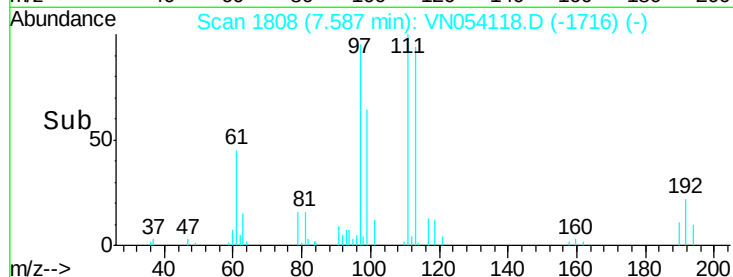
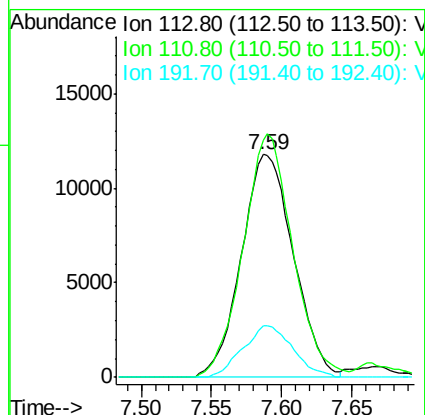
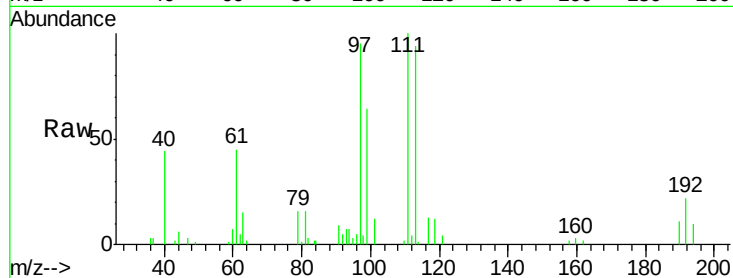
#35
 Dibromofluoromethane
 Concen: 4.808 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.1	123.1
192	22.2	17.4	26.0

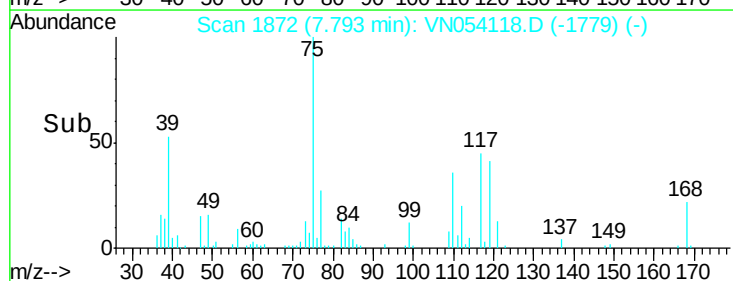
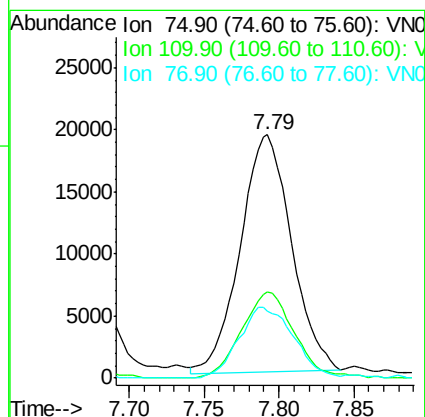
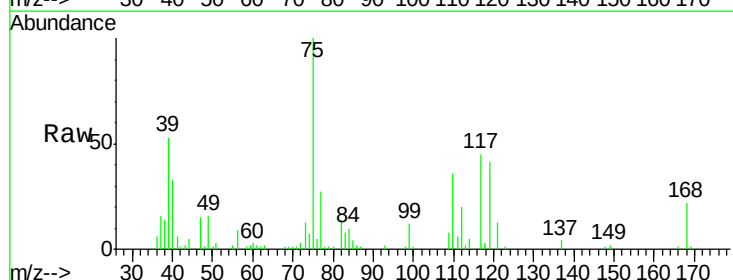
Manual Integrations
 APPROVED

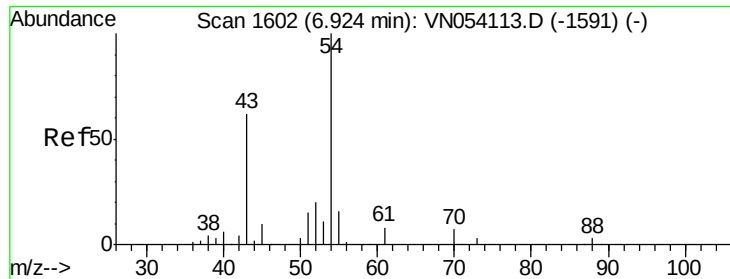
MMDadoda
 3/7/2019 11:39:16 AM



#36
 1,1-Dichloropropene
 Concen: 4.955 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.0	54.0
77	31.9	25.3	37.9





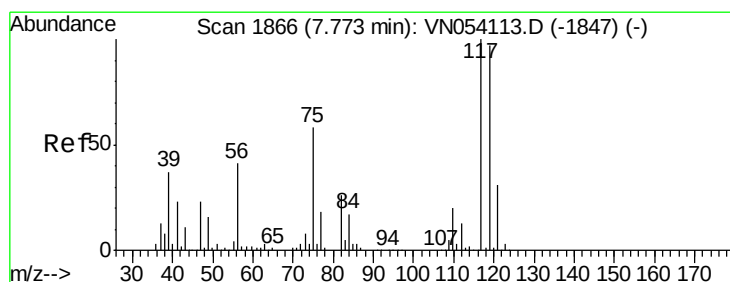
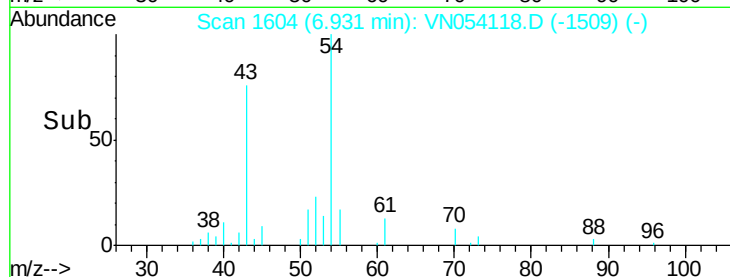
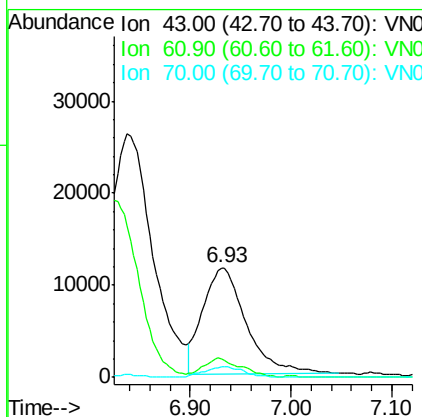
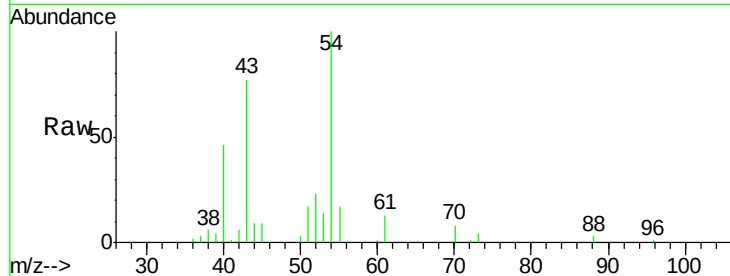
#37
Ethyl Acetate
Concen: 5.331 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	43	61	70
Resp	34964		
Ratio	100	15.5	9.0
Lower		11.1	7.6
Upper		16.7	11.4

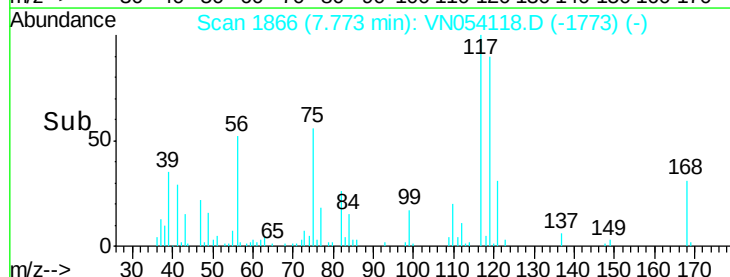
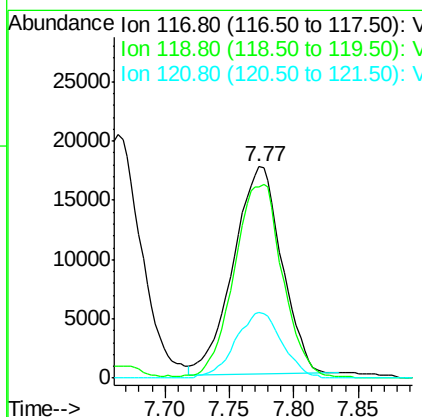
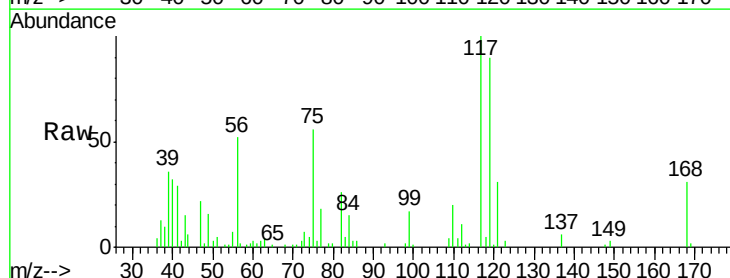
Manual Integrations
APPROVED

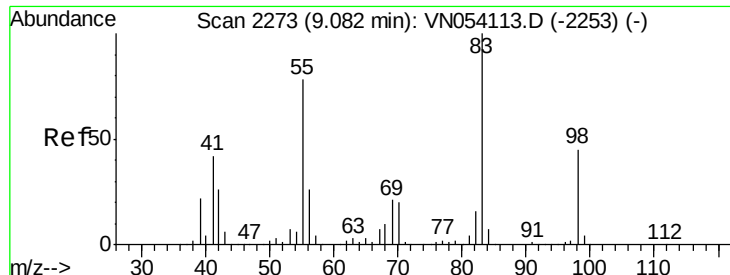
MMDadoda
3/7/2019 11:39:16 AM



#38
Carbon Tetrachloride
Concen: 5.233 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion	117	119	121
Resp	45700		
Ratio	100	92.0	32.2
Lower		77.0	24.3
Upper		115.6	36.5





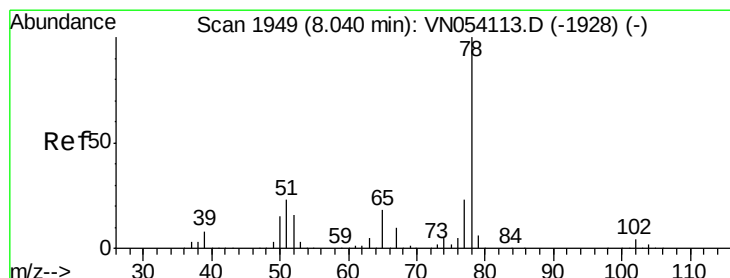
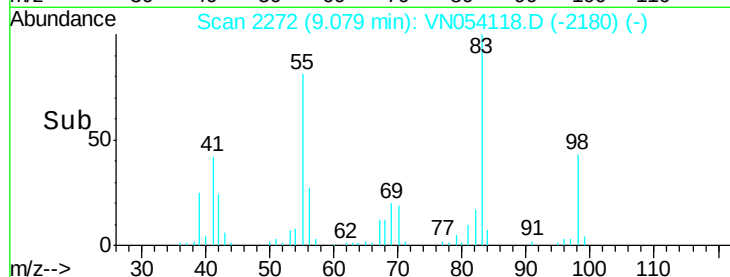
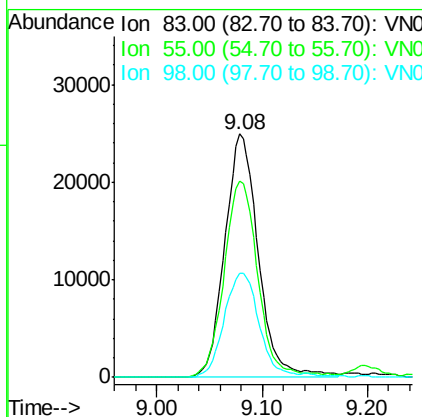
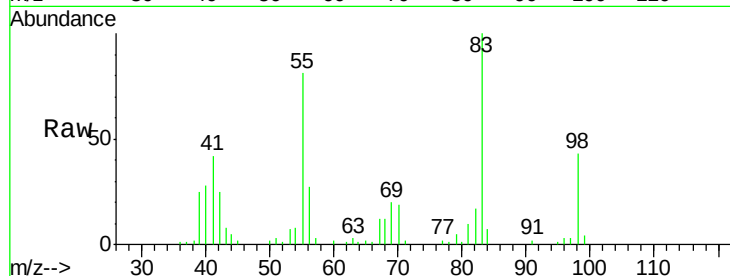
#39
Methylvlcyclohexane
Concen: 5.206 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	62.1	93.1
98	42.5	36.0	54.0

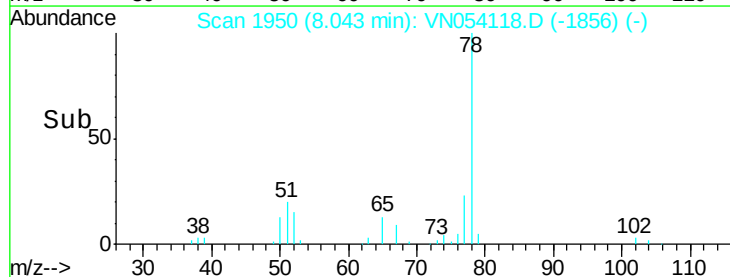
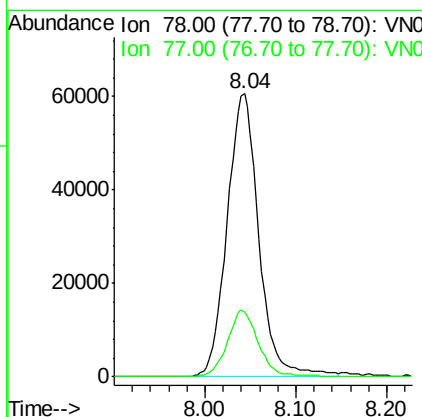
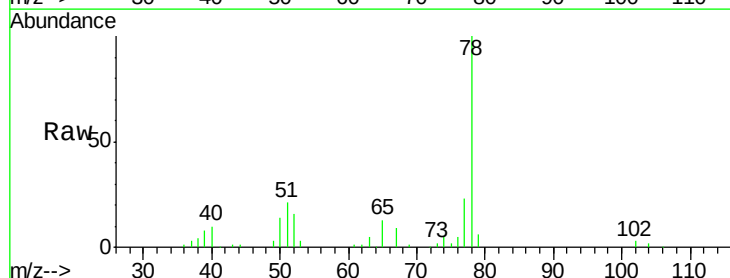
Manual Integrations
APPROVED

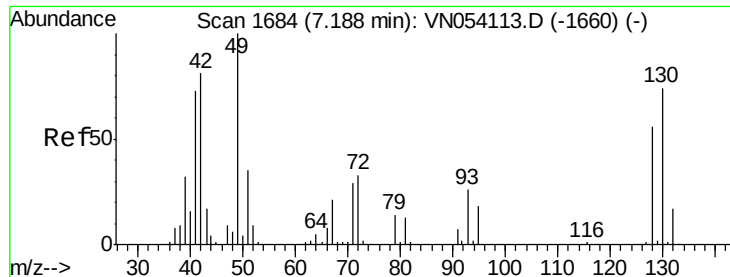
MMDadoda
3/7/2019 11:39:16 AM



#40
Benzene
Concen: 5.415 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.7	28.1





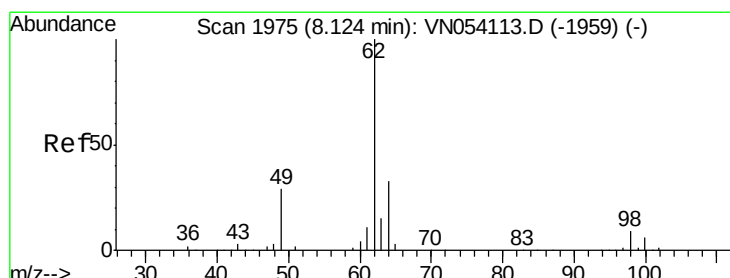
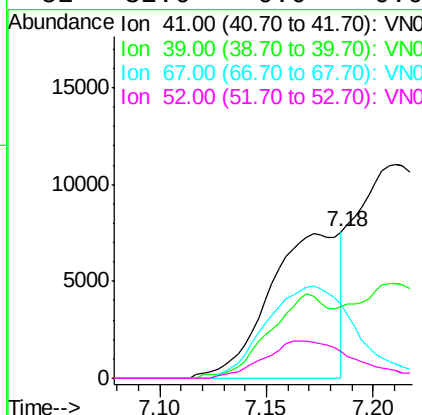
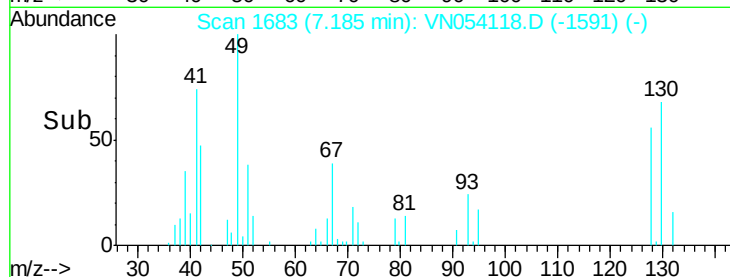
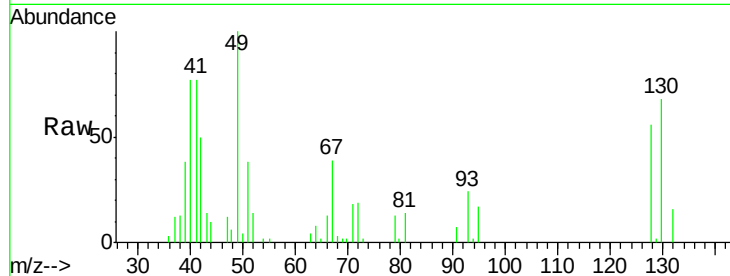
#41
Methacrylonitrile
Concen: 4.357 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.4	0.0	0.0#
67	81.0	0.0	0.0#
52	32.6	0.0	0.0#

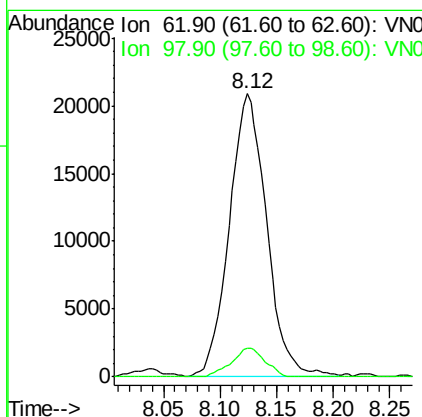
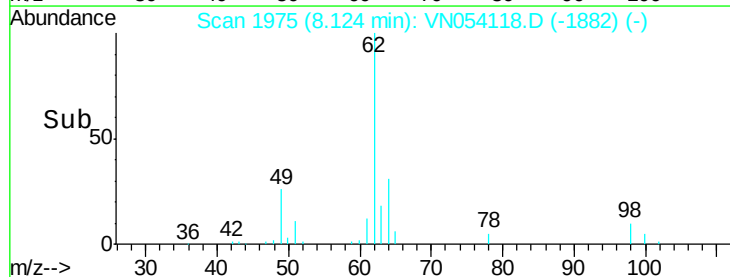
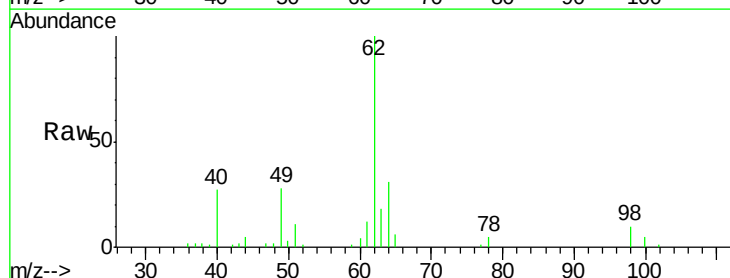
Manual Integrations
APPROVED

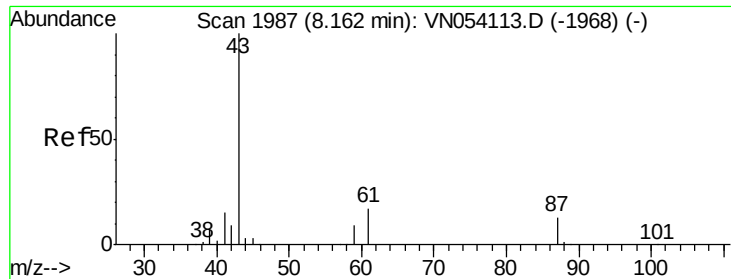
MMDadoda
3/7/2019 11:39:16 AM



#42
1,2-Dichloroethane
Concen: 5.603 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 5.659 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

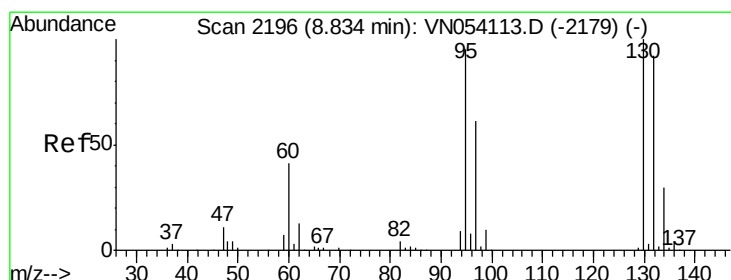
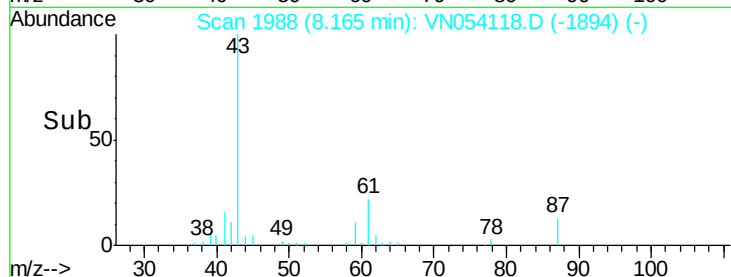
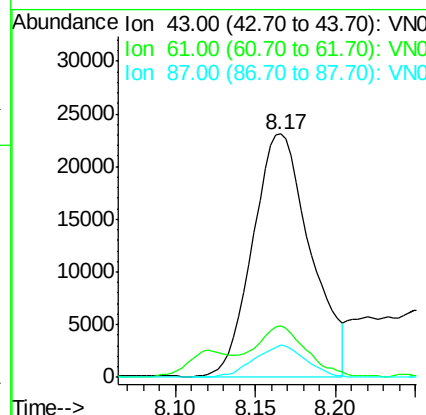
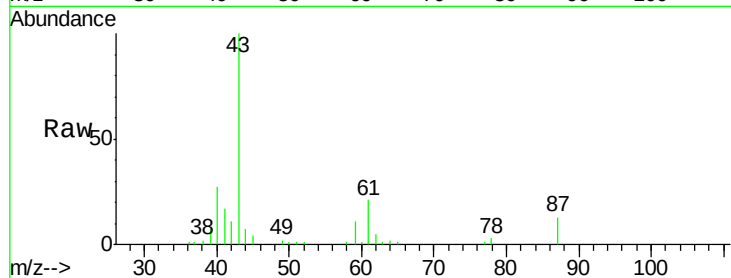
ClientSampleId :

VSTDIC005

Tot Ion	43	61	87
Resp	57693		
Ratio	100	16.8	11.7
Lower		22.5	10.1
Upper		33.7#	15.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:16 AM



#44

Trichloroethene

Concen: 5.340 ug/l

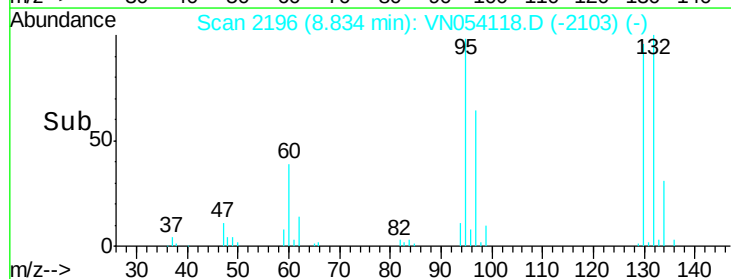
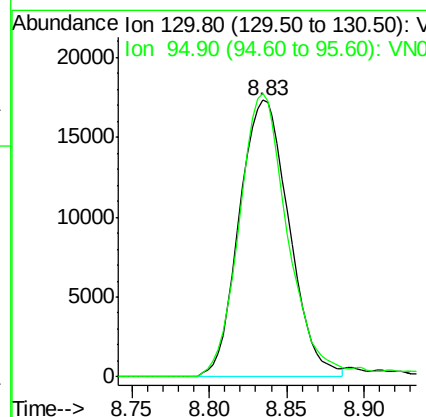
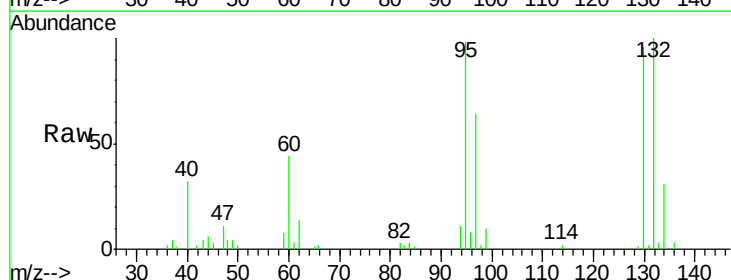
RT: 8.83 min Scan# 2196

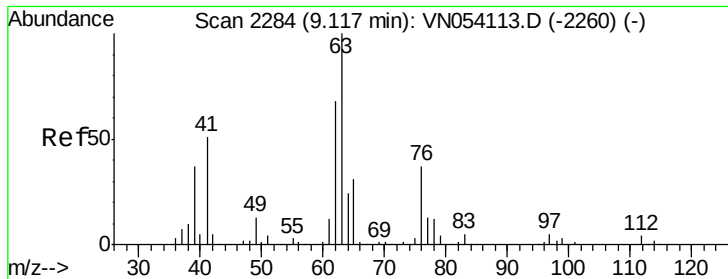
Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Tgt Ion	130	95
Resp	38756	
Ratio	100	102.3
Lower		0.0
Upper		189.4





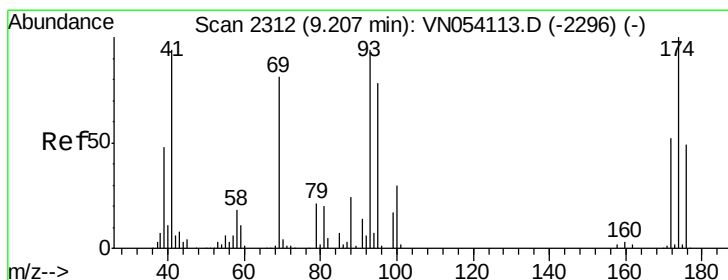
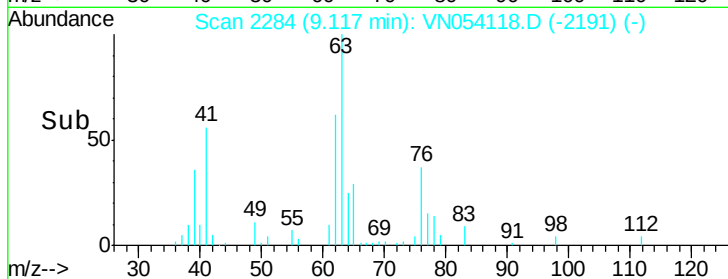
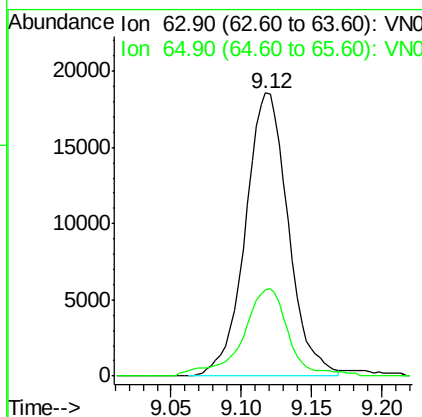
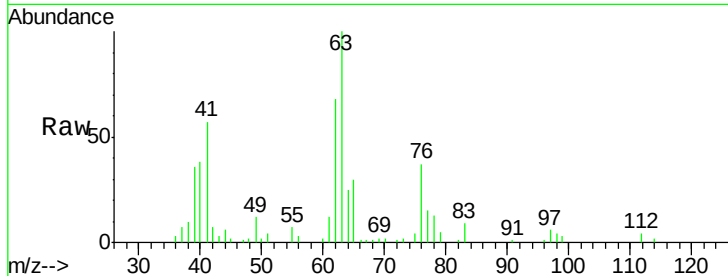
#45
 1,2-Dichloropropane
 Concen: 5.291 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 63 Resp: 39501
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.6 36.8

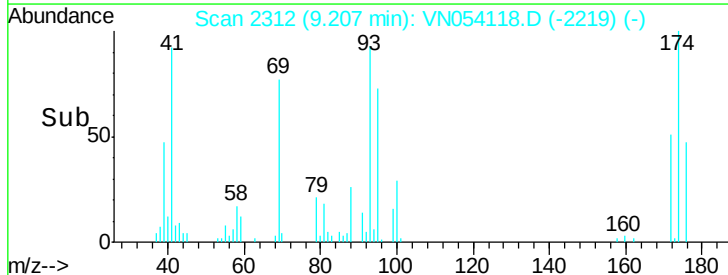
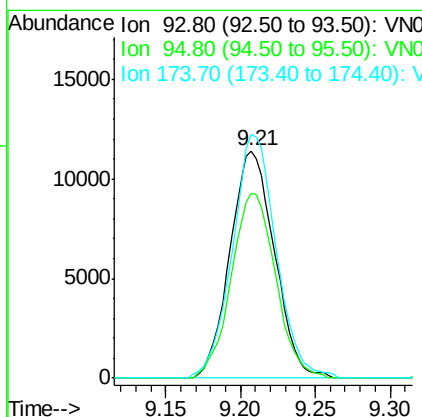
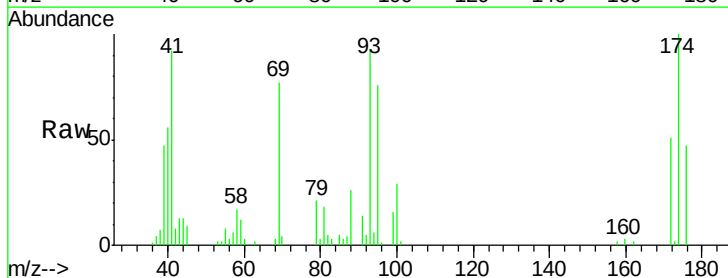
Manual Integrations
 APPROVED

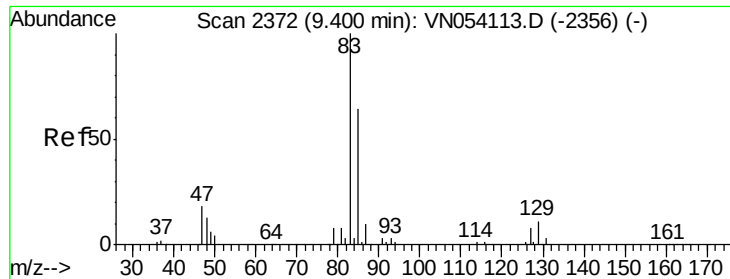
MMDadoda
 3/7/2019 11:39:16 AM



#46
 Dibromomethane
 Concen: 5.528 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion: 93 Resp: 23559
 Ion Ratio Lower Upper
 93 100
 95 81.0 66.1 99.1
 174 105.8 86.1 129.1





#47

Bromodichloromethane

Concen: 5.290 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

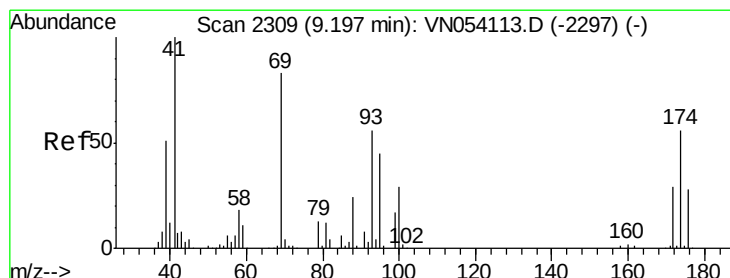
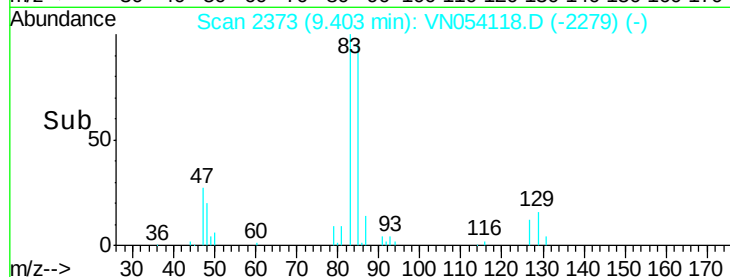
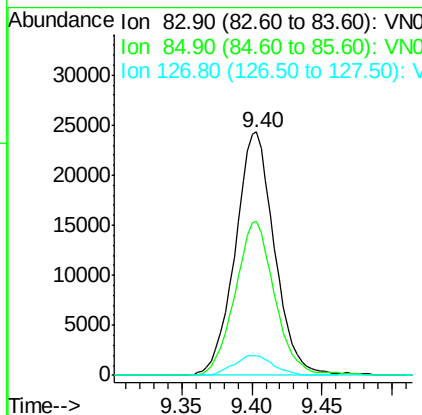
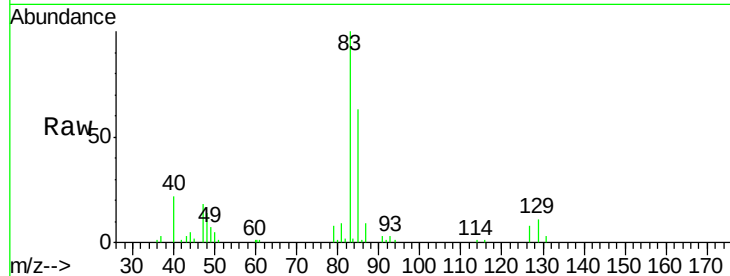
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	47195
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.0	76.4
127	8.1	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:16 AM



#48

Methyl methacrylate

Concen: 4.911 ug/l

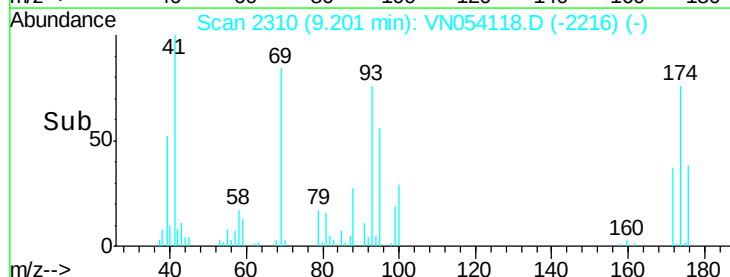
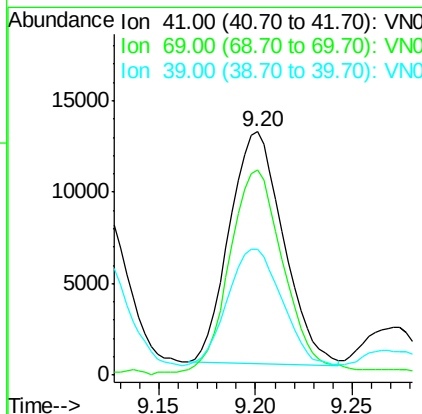
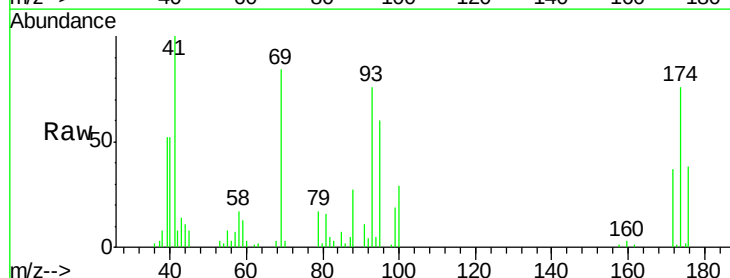
RT: 9.20 min Scan# 2310

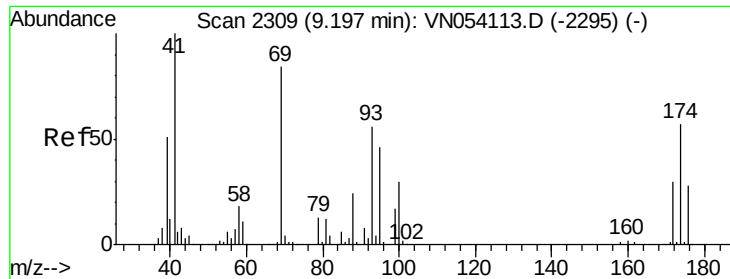
Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Tgt Ion:	41	Resp:	24724
Ion Ratio	Lower	Upper	
41	100		
69	91.2	71.0	106.4
39	52.1	43.7	65.5





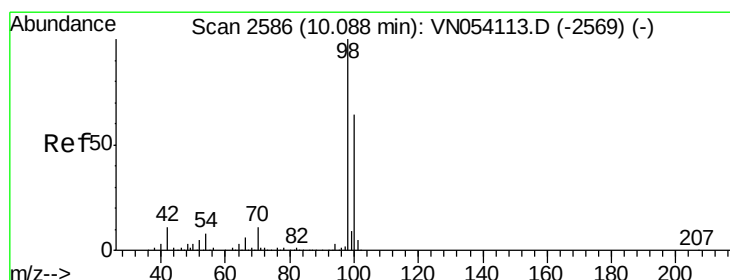
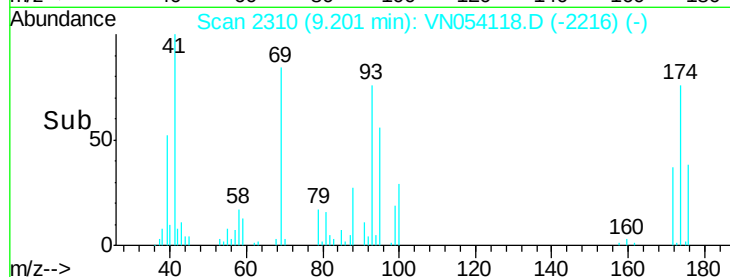
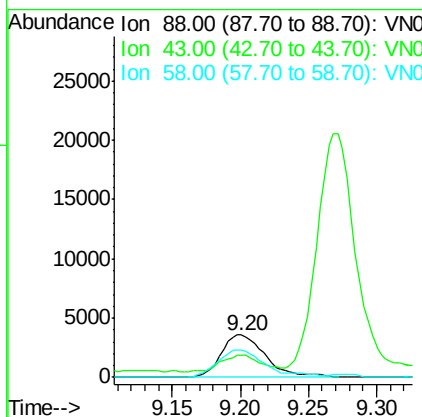
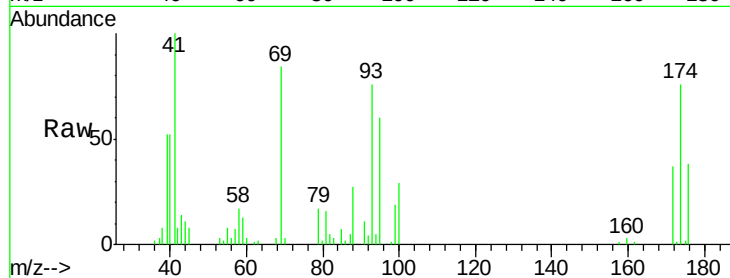
#49
 1,4-Dioxane
 Concen: 121.826 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	25.5	38.3
58	69.6	58.3	87.5

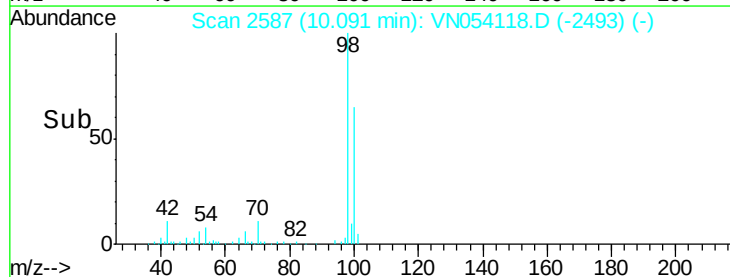
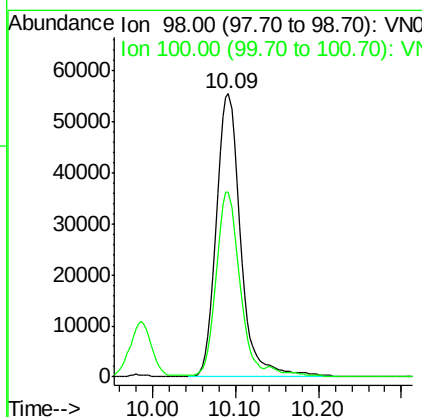
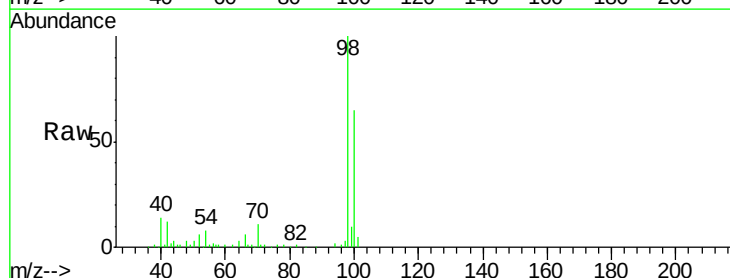
Manual Integrations
 APPROVED

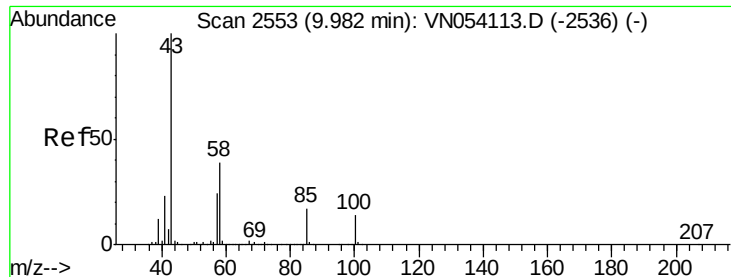
MMDadoda
 3/7/2019 11:39:16 AM



#50
 Toluene-d8
 Concen: 4.705 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.2	51.7	77.5





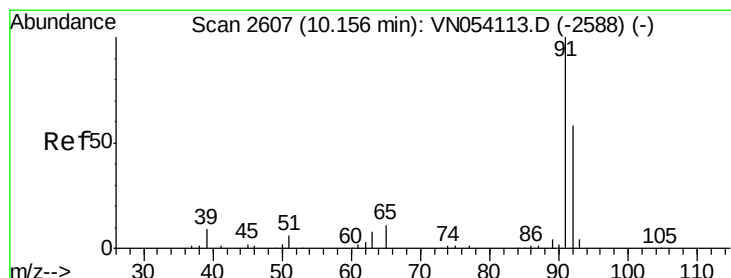
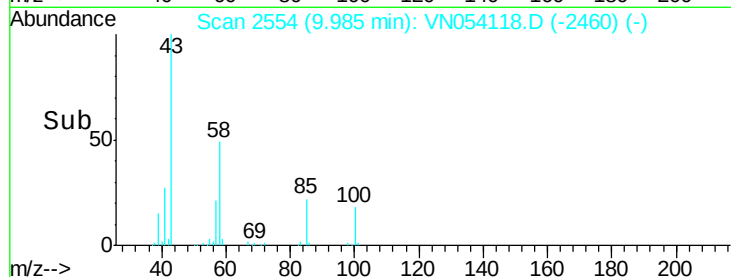
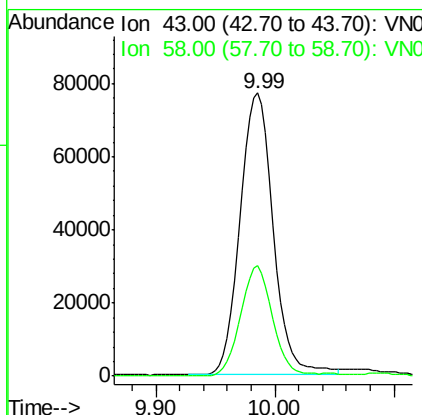
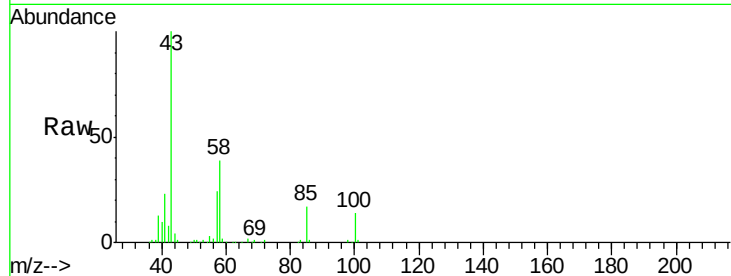
#51
4-Methyl-2-Pentanone
Concen: 25.591 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	149465
Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.8	46.2

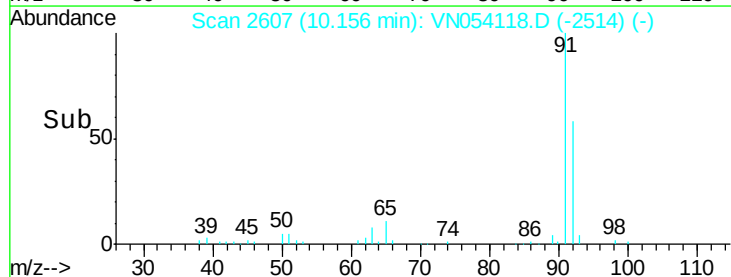
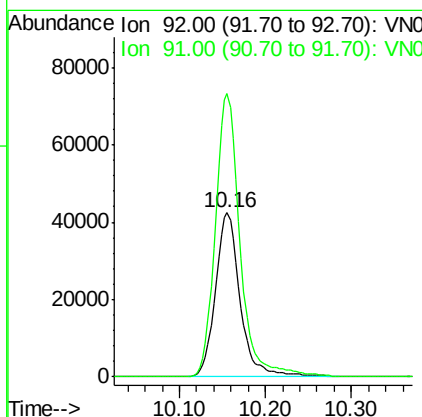
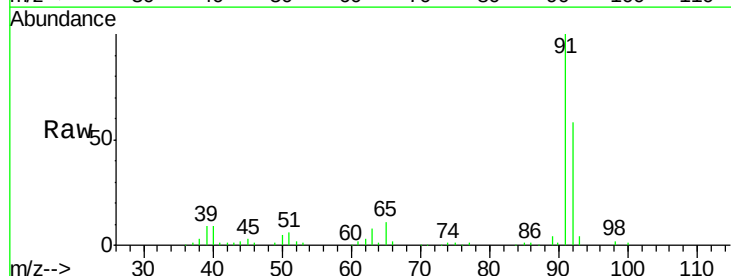
Manual Integrations
APPROVED

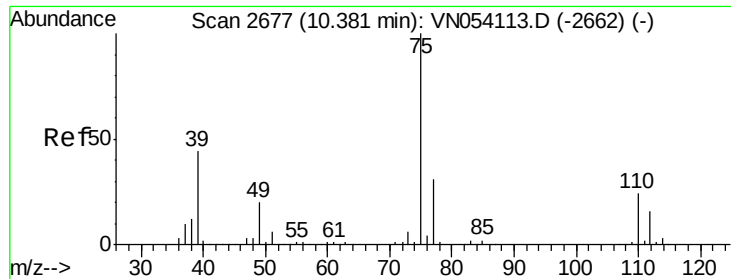
MMDadoda
3/7/2019 11:39:16 AM



#52
Toluene
Concen: 5.285 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion	92	Resp	84745
Ion	Ratio	Lower	Upper
92	100		
91	173.0	139.0	208.6





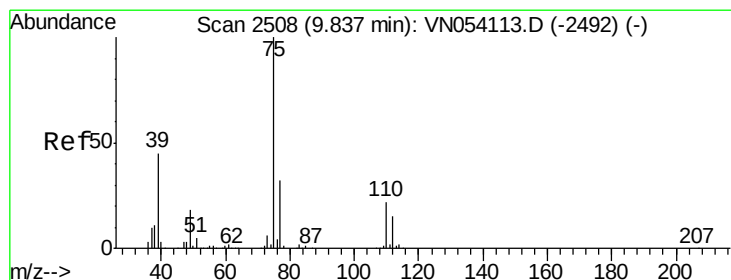
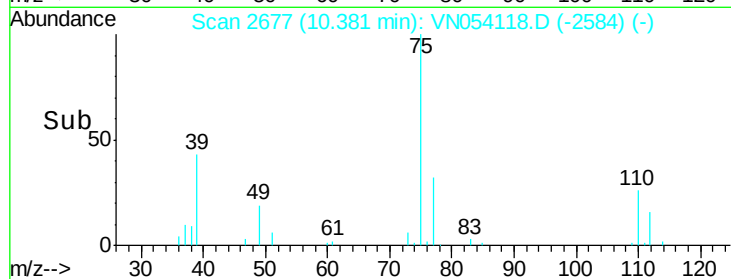
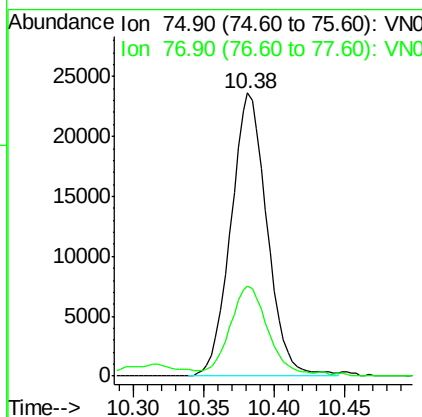
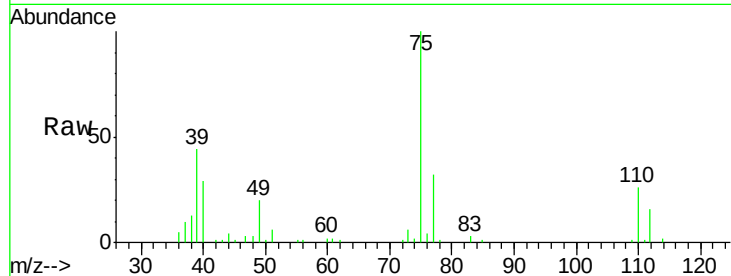
#53
t-1,3-Dichloropropene
Concen: 4.819 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 75 Resp: 42406
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3

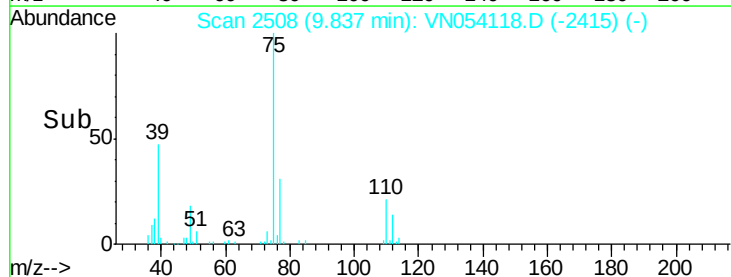
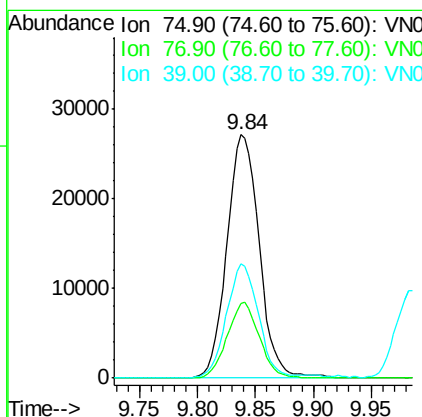
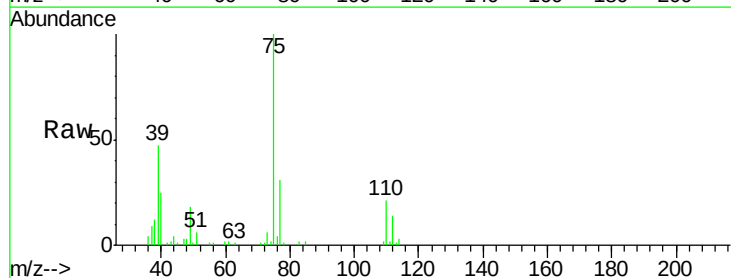
Manual Integrations
APPROVED

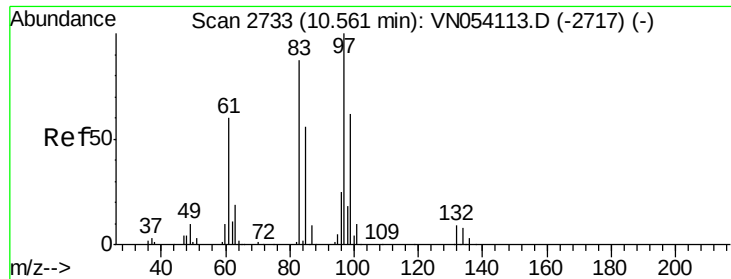
MMDadoda
3/7/2019 11:39:16 AM



#54
cis-1,3-Dichloropropene
Concen: 5.054 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 75 Resp: 52564
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.0
39 47.1 36.2 54.2





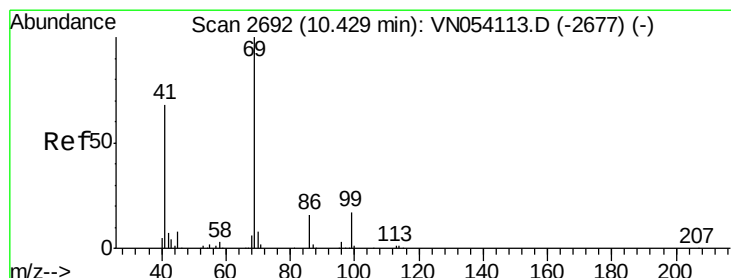
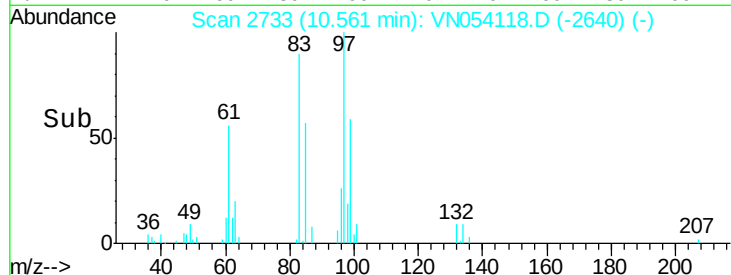
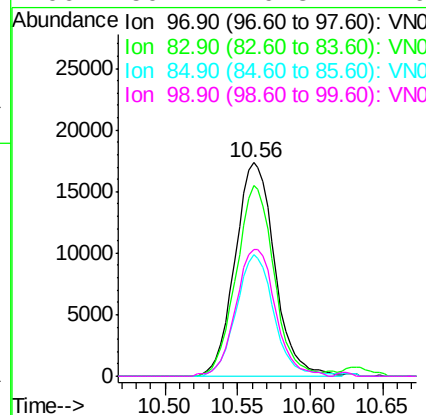
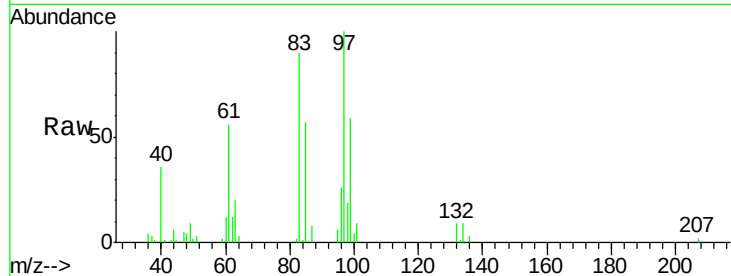
#55
 1,1,2-Trichloroethane
 Concen: 5.446 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion:	97	Resp:	32886
Ion	Ratio	Lower	Upper
97	100		
83	89.5	69.8	104.6
85	56.7	45.0	67.4
99	59.2	49.8	74.6

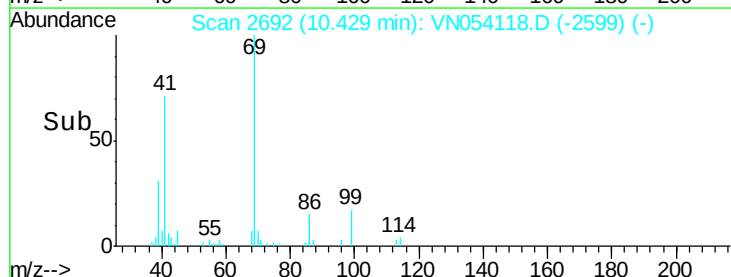
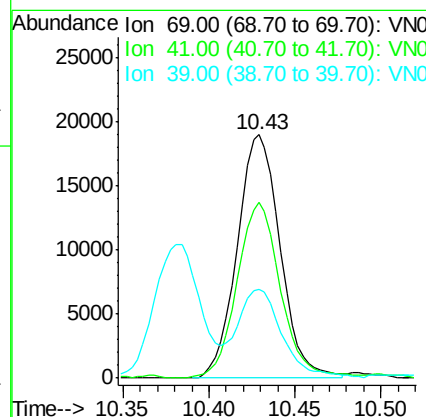
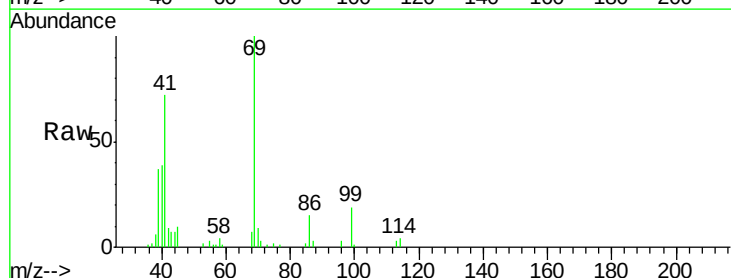
Manual Integrations
 APPROVED

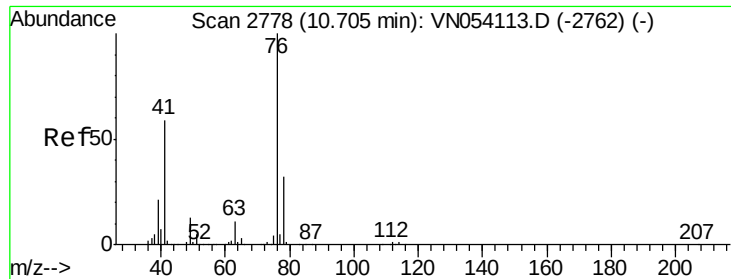
MMDadoda
 3/7/2019 11:39:16 AM



#56
 Ethyl methacrylate
 Concen: 4.654 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion:	69	Resp:	32993
Ion	Ratio	Lower	Upper
69	100		
41	73.5	53.4	80.2
39	38.6	25.6	38.4#





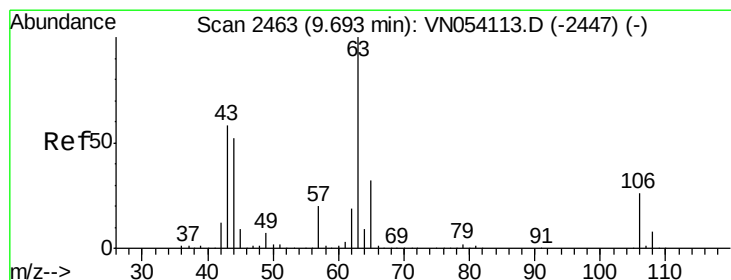
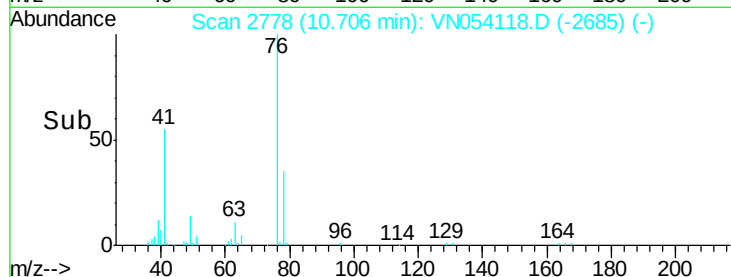
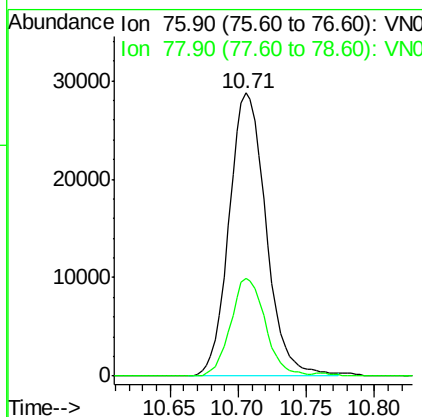
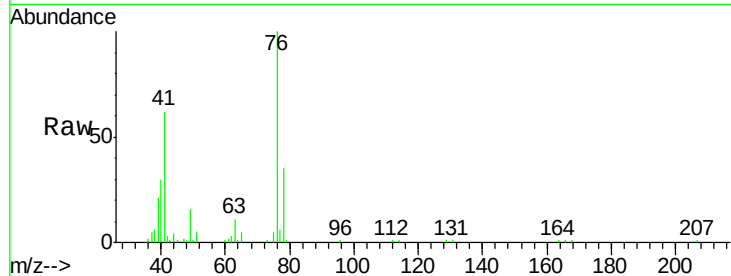
#57
 1,3-Dichloropropane
 Concen: 5.252 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 54106
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9

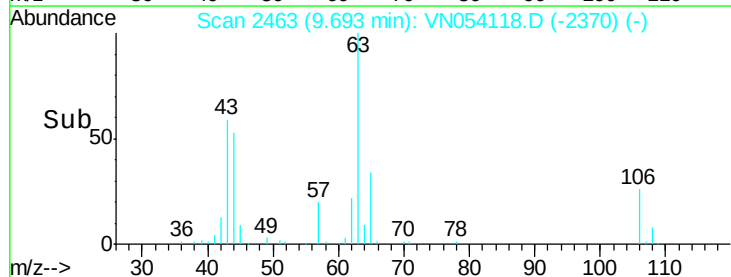
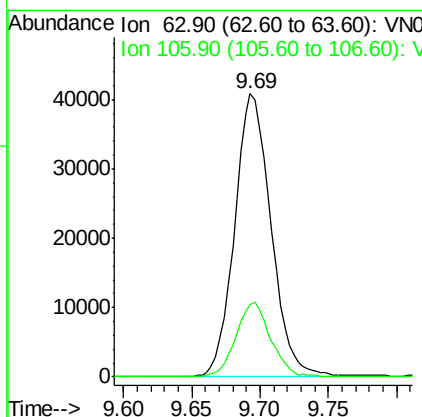
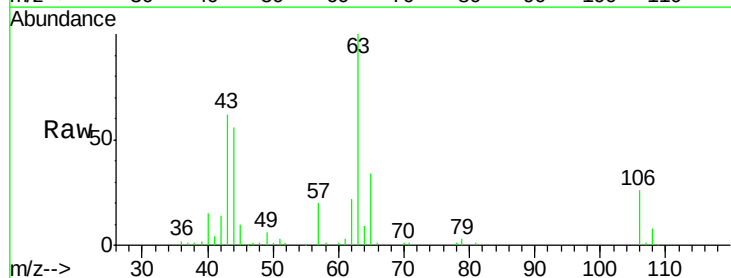
Manual Integrations
 APPROVED

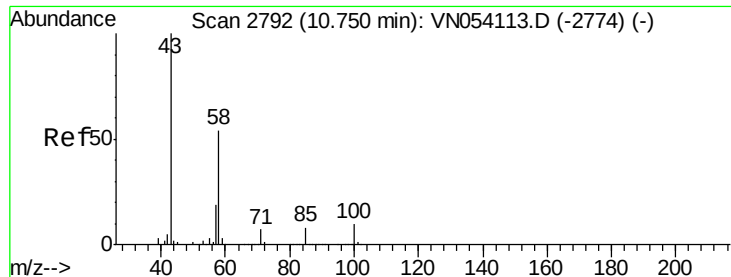
MMDadoda
 3/7/2019 11:39:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.327 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion: 63 Resp: 75686
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.2 30.2





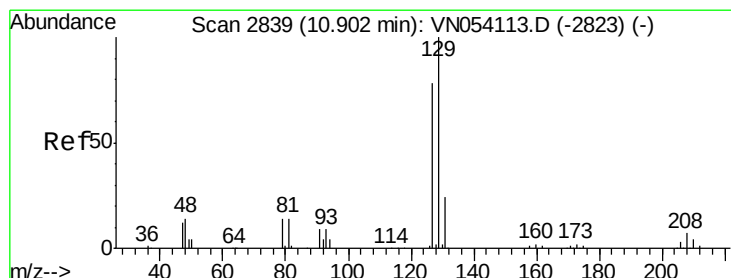
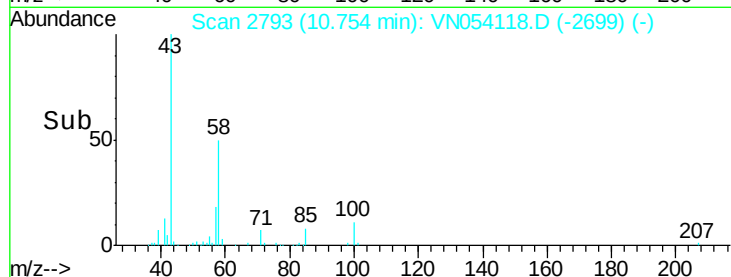
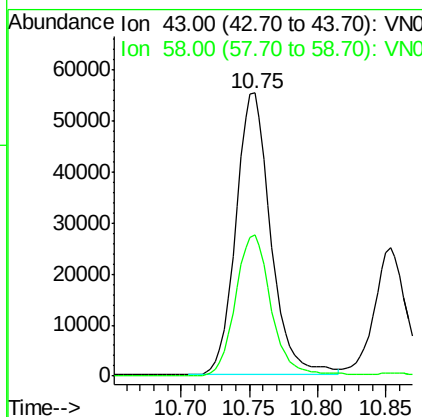
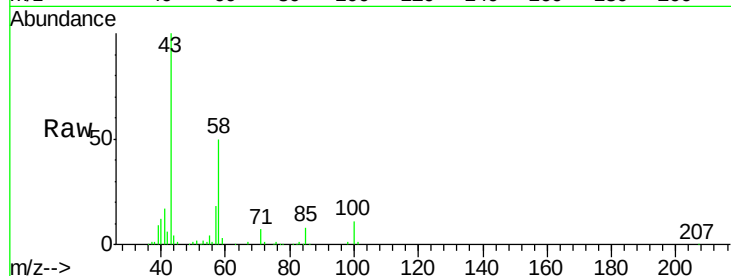
#59
2-Hexanone
Concen: 25.427 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 97972
Ion Ratio Lower Upper
43 100
58 51.7 27.0 81.0

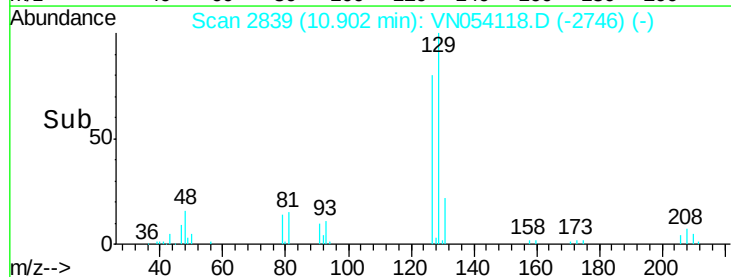
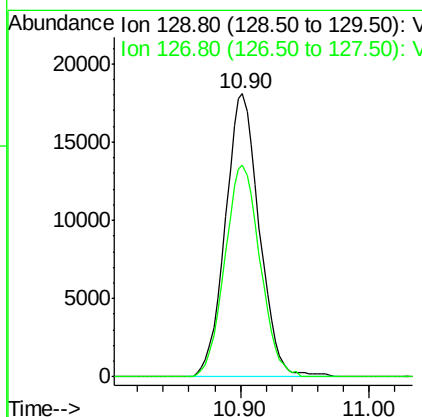
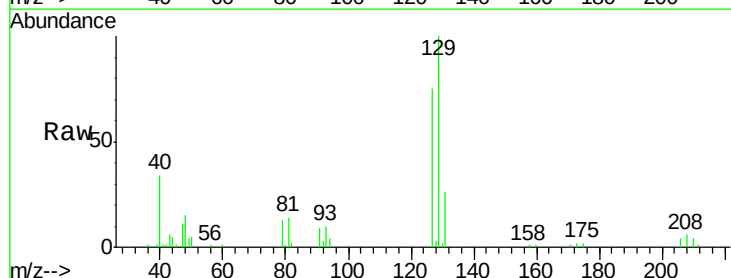
Manual Integrations
APPROVED

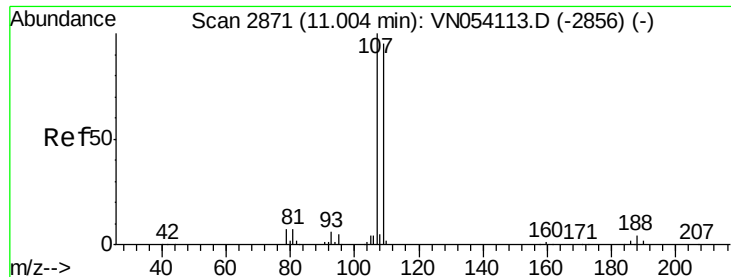
MMDadoda
3/7/2019 11:39:16 AM



#60
Dibromochloromethane
Concen: 5.124 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 129 Resp: 33081
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.4





#61

1,2-Dibromoethane

Concen: 5.085 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 29215

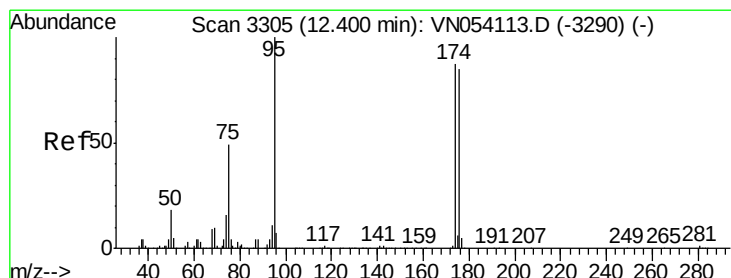
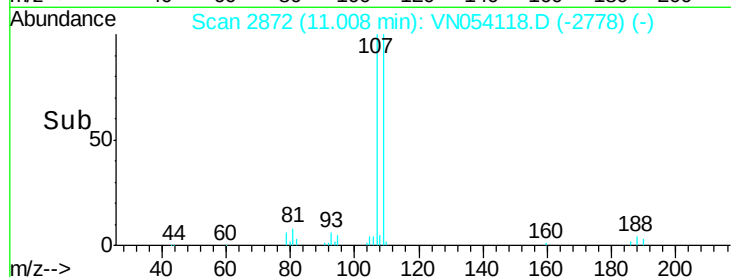
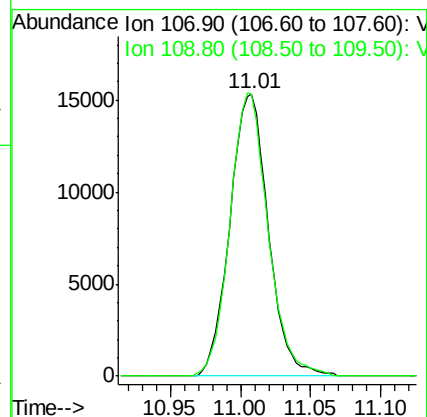
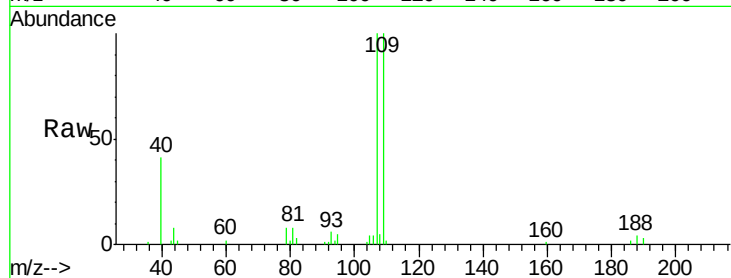
Ion Ratio Lower Upper

107 100

109 99.3 74.9 112.3

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:16 AM



#62

4-Bromofluorobenzene

Concen: 4.397 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

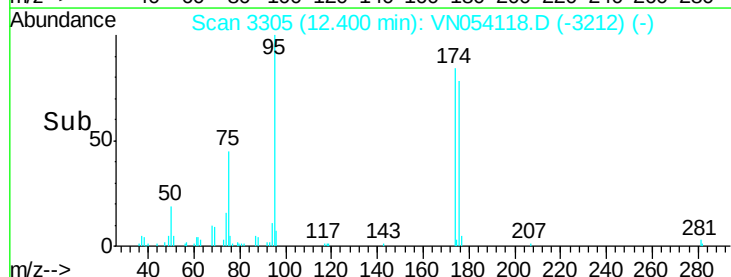
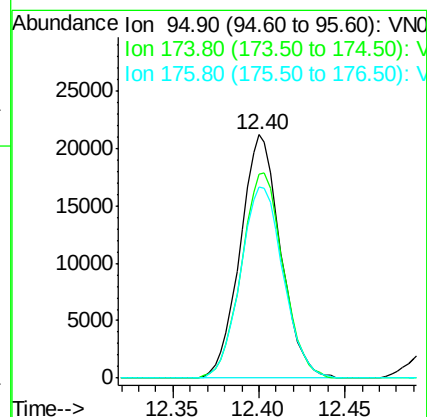
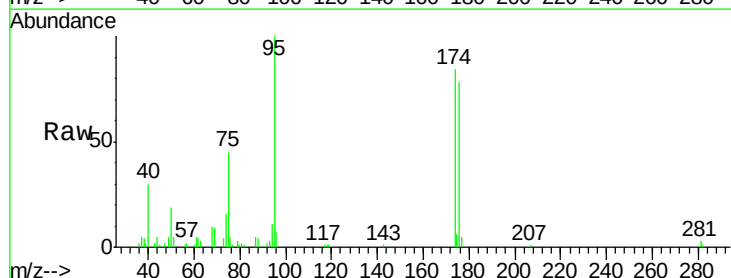
Tgt Ion: 95 Resp: 34416

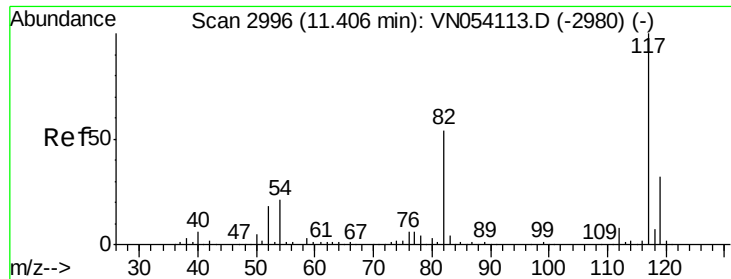
Ion Ratio Lower Upper

95 100

174 87.6 0.0 173.2

176 83.3 0.0 168.8





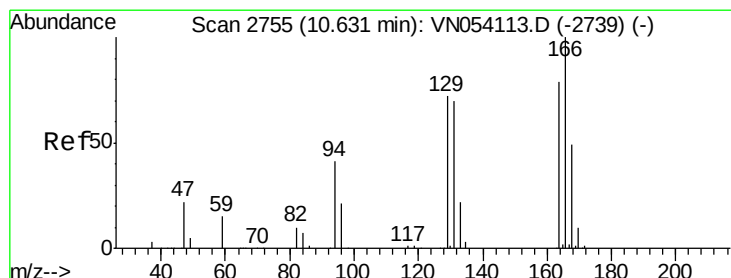
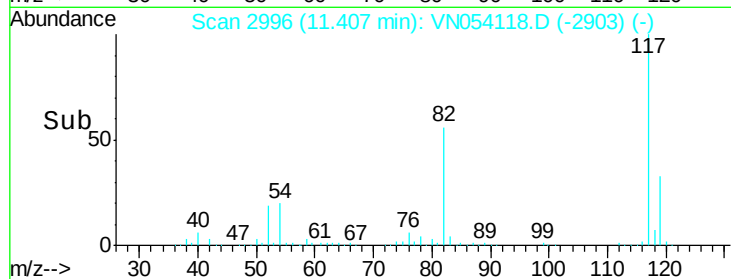
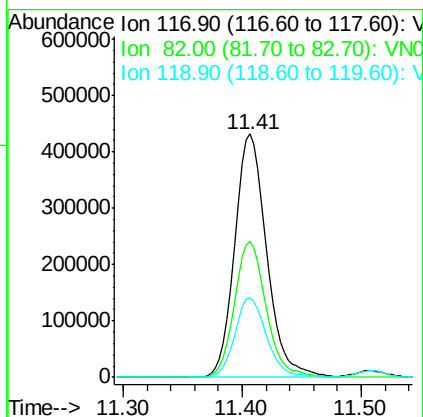
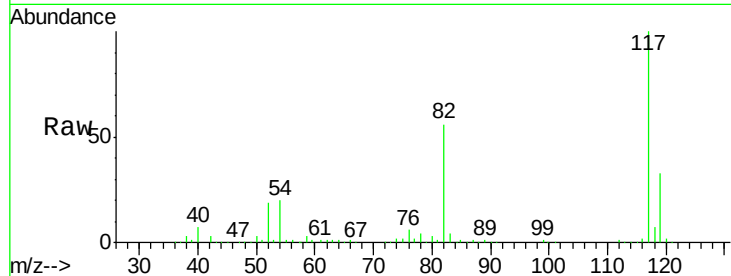
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.4	65.2
119	32.9	26.0	39.0

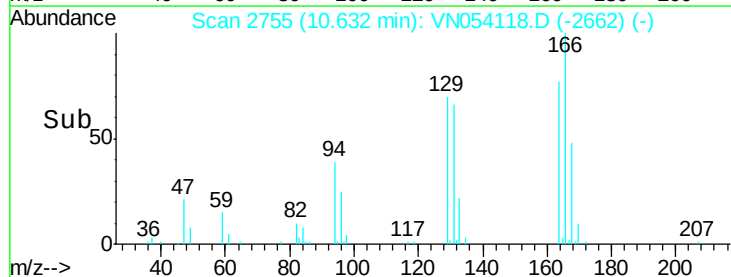
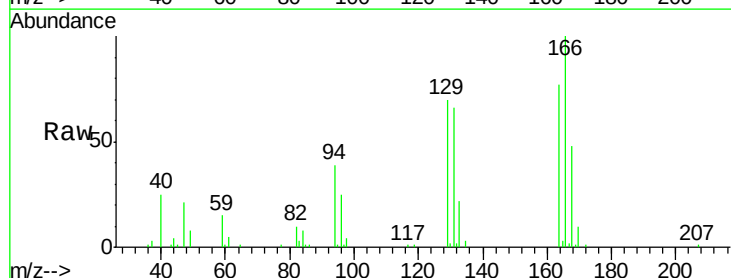
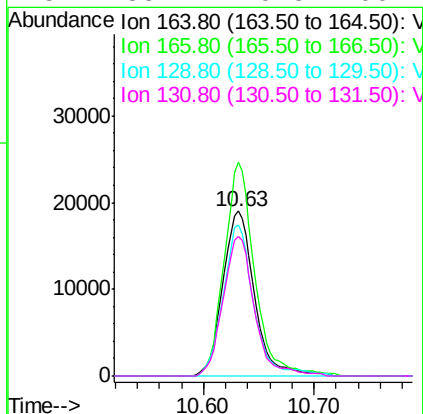
Manual Integrations
APPROVED

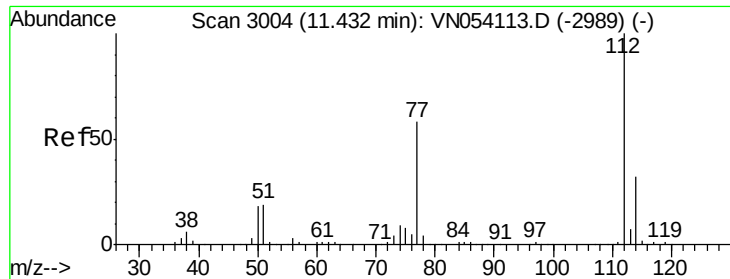
MMDadoda
3/7/2019 11:39:16 AM



#64
Tetrachloroethene
Concen: 5.740 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	101.3	151.9
129	91.5	73.2	109.8
131	85.1	70.8	106.2





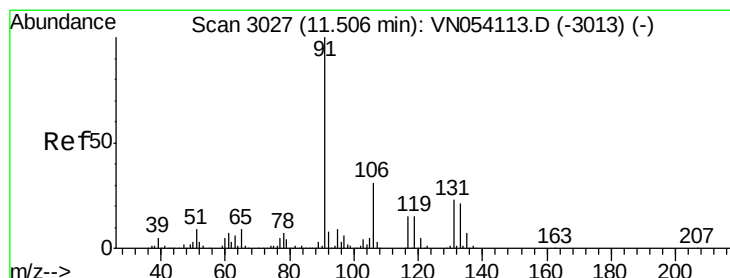
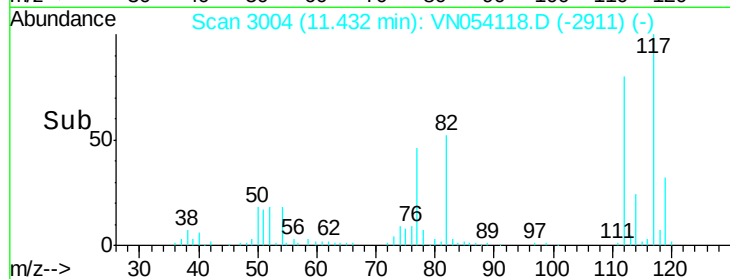
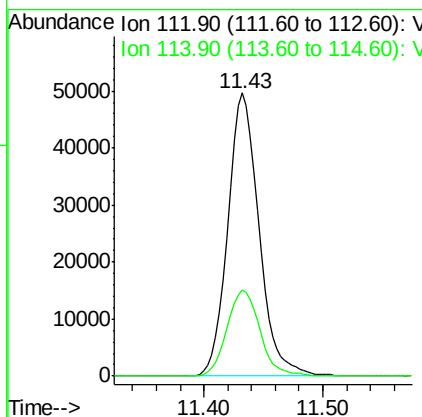
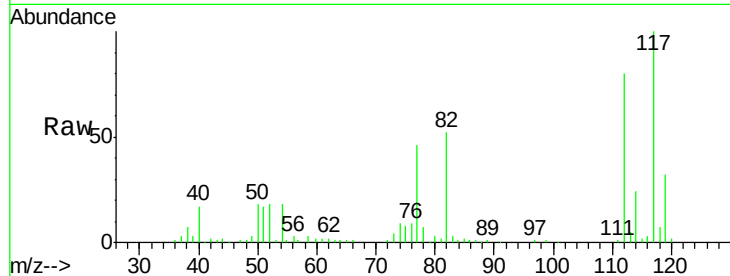
#65
Chlorobenzene
Concen: 5.384 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 90107
Ion Ratio Lower Upper
112 100
114 30.3 25.4 38.0

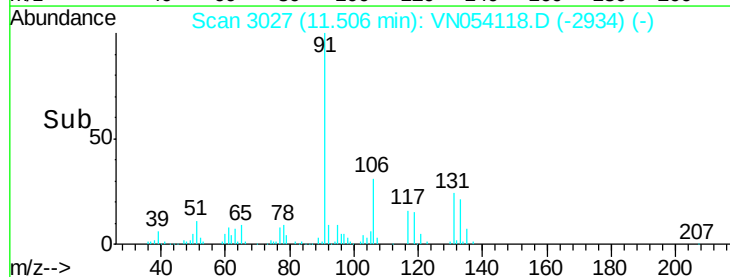
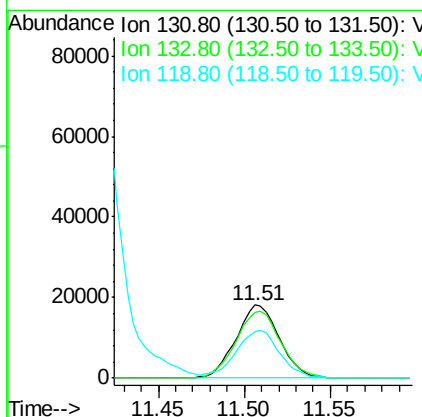
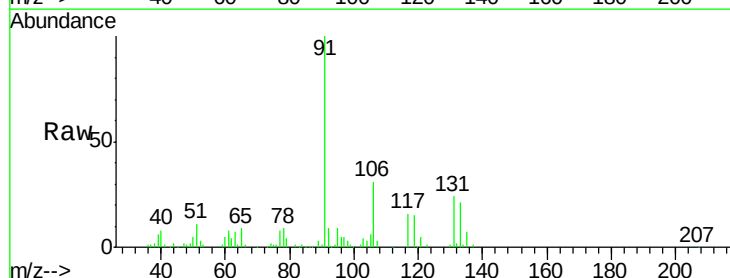
Manual Integrations
APPROVED

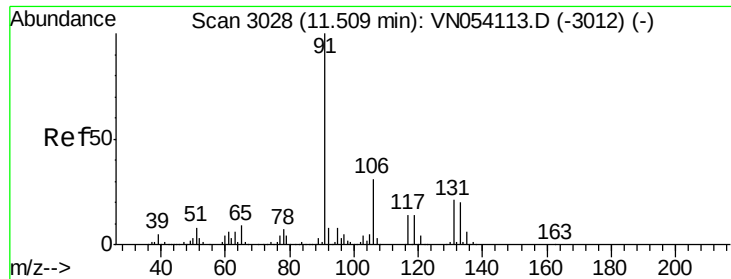
MMDadoda
3/7/2019 11:39:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.290 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion:131 Resp: 31693
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 66.6 33.8 101.3





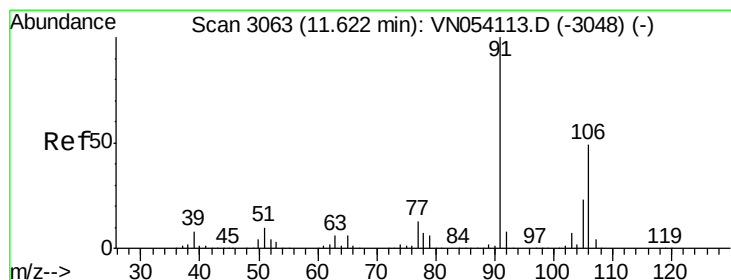
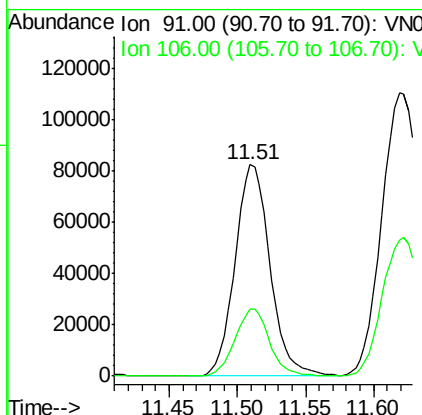
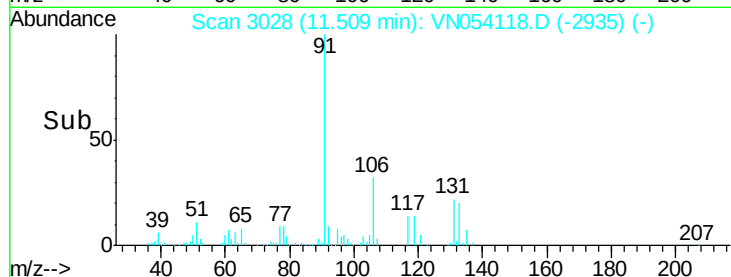
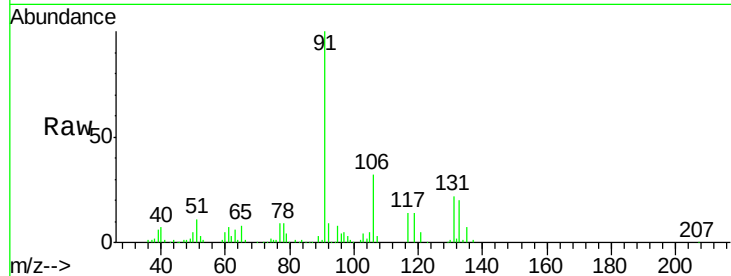
#67
Ethyl Benzene
Concen: 5.246 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 146929
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8

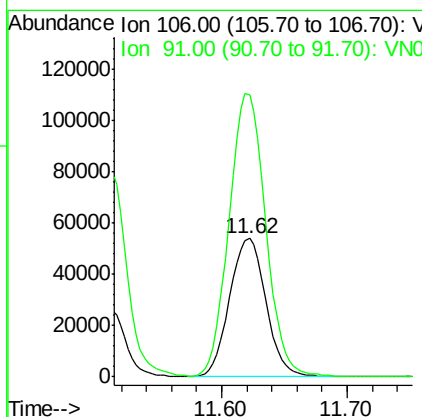
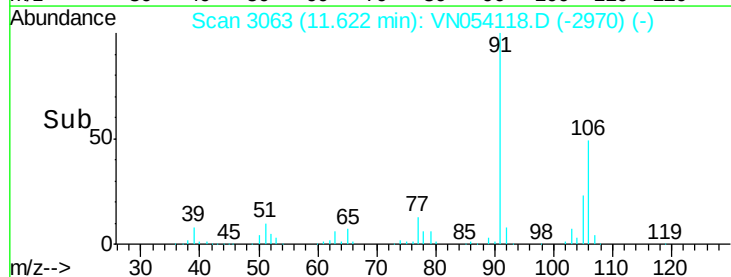
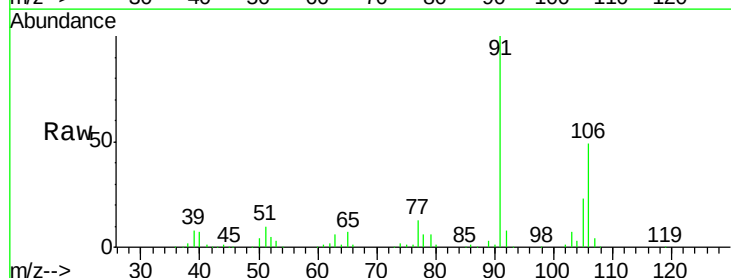
Manual Integrations
APPROVED

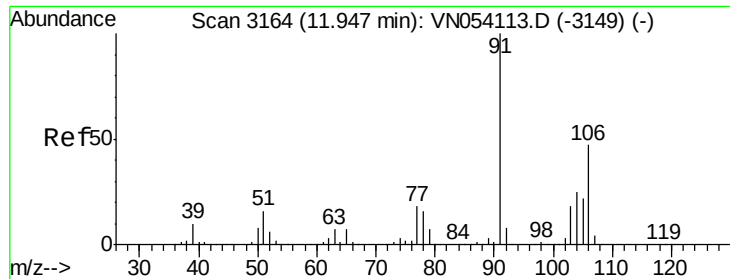
MMDadoda
3/7/2019 11:39:16 AM



#68
m/p-Xylenes
Concen: 10.353 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 106 Resp: 109422
Ion Ratio Lower Upper
106 100
91 205.0 163.2 244.8





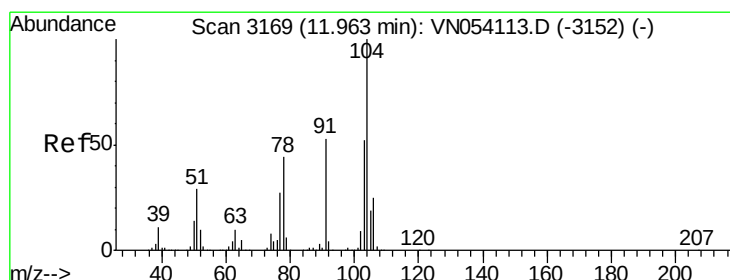
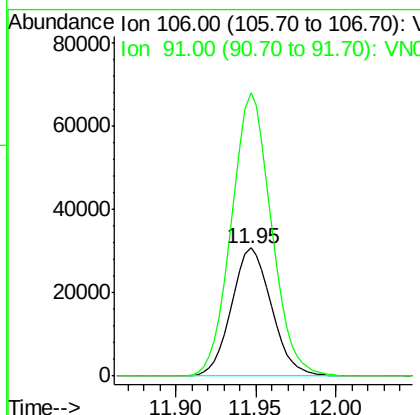
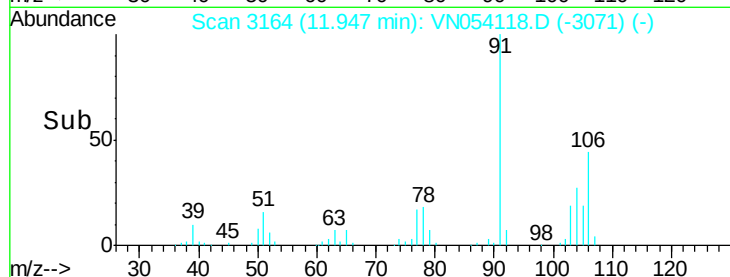
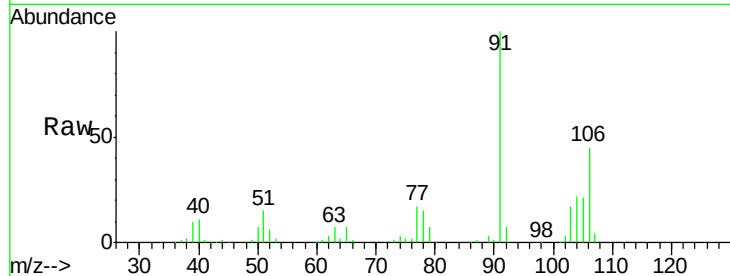
#69
o-Xylene
Concen: 5.162 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 52498
Ion Ratio Lower Upper
106 100
91 220.7 107.1 321.3

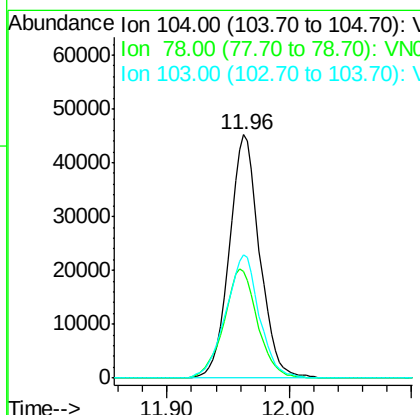
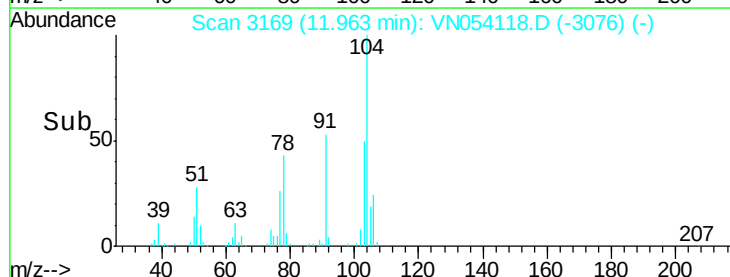
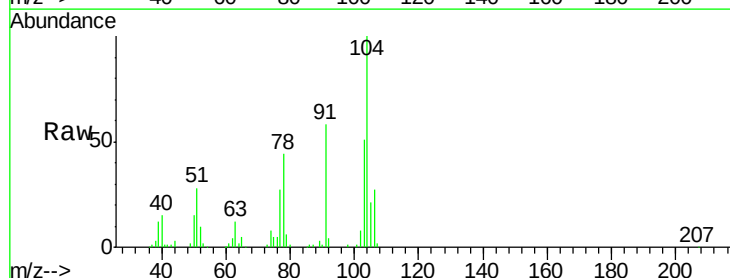
Manual Integrations
APPROVED

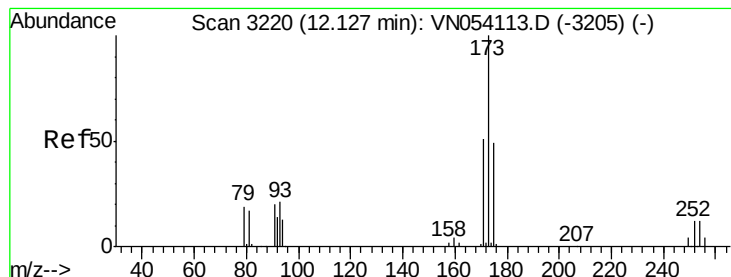
MMDadoda
3/7/2019 11:39:16 AM



#70
Styrene
Concen: 4.835 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion:104 Resp: 78052
Ion Ratio Lower Upper
104 100
78 49.9 39.4 59.0
103 56.2 44.7 67.1





#71

Bromoform

Concen: 5.007 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 20646

Ion Ratio Lower Upper

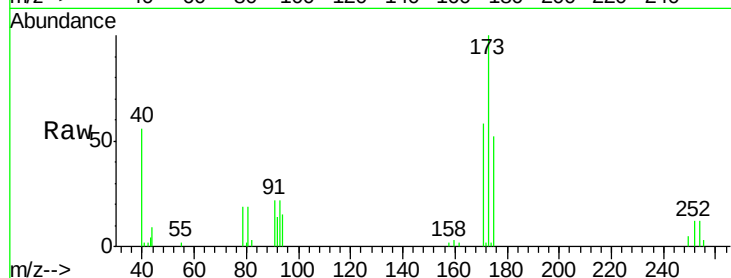
173 100

175 50.4 24.1 72.2

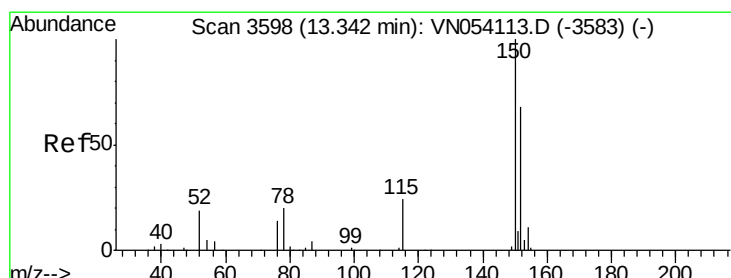
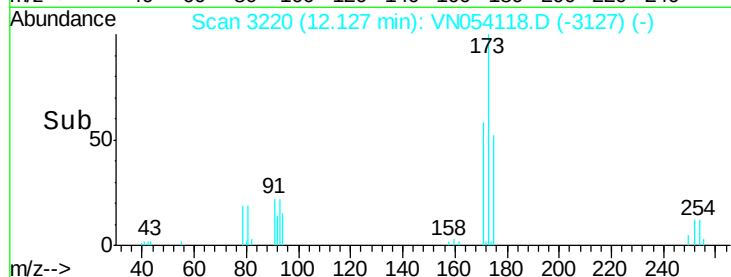
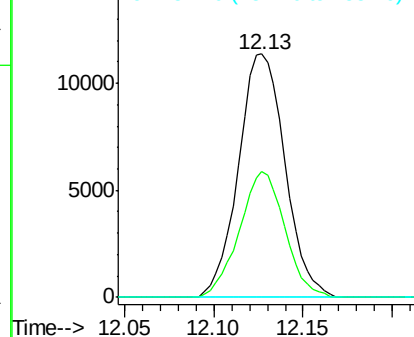
254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:16 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: VN054118.D

Acq: 6 Mar 2019 14:04

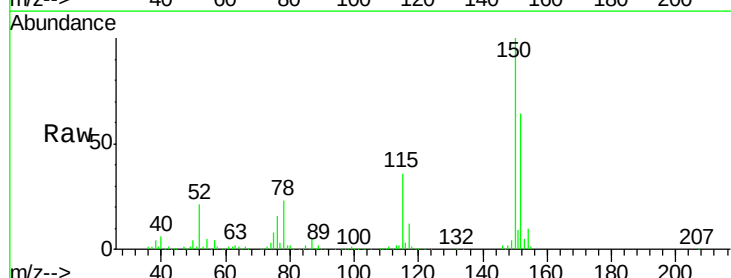
Tgt Ion:152 Resp: 310985

Ion Ratio Lower Upper

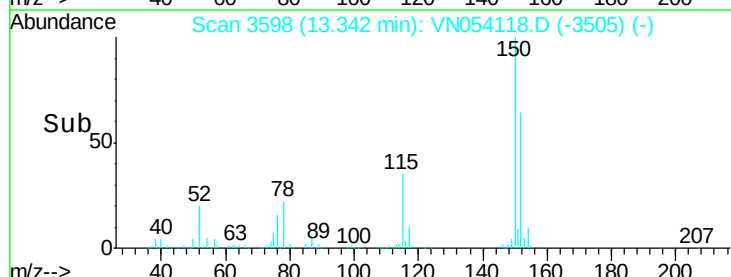
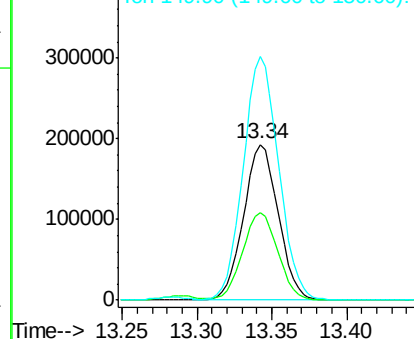
152 100

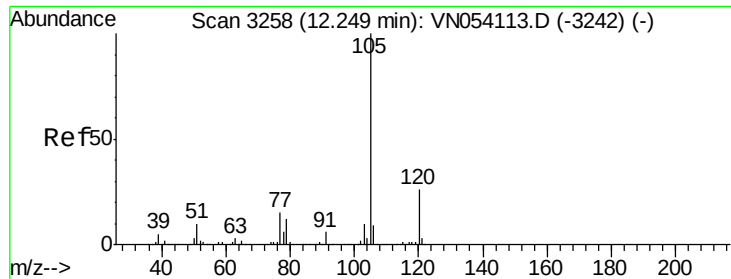
115 57.2 28.5 85.6

150 160.1 0.0 343.2



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: 5.727 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 141718

Ion Ratio Lower Upper

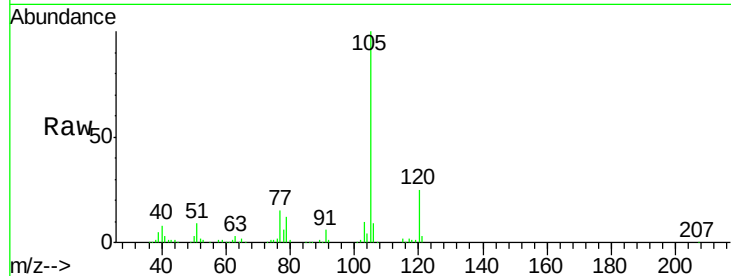
105 100

120 25.6 13.3 39.8

Manual Integrations
APPROVED

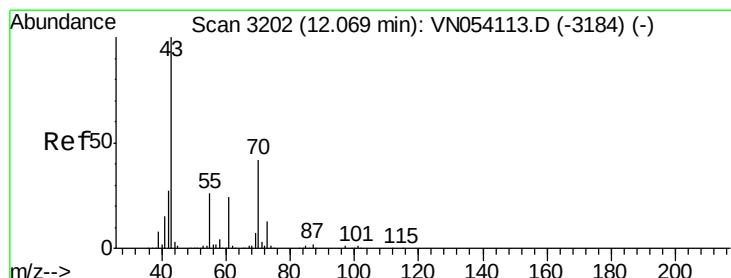
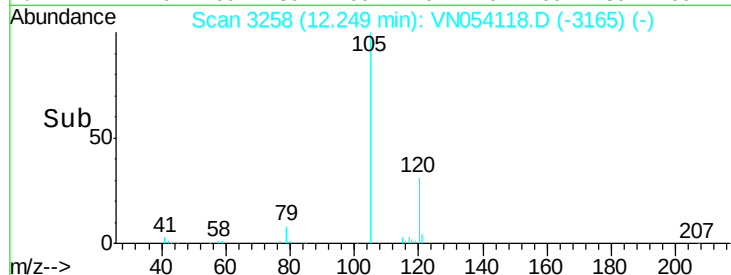
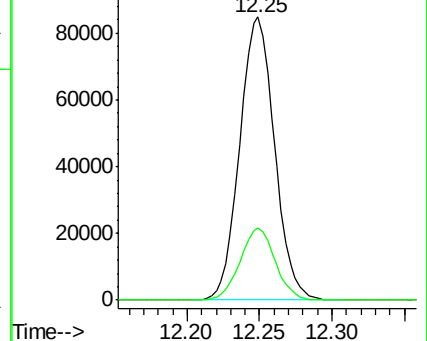
MMDadoda

3/7/2019 11:39:16 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: 5.187 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Tgt Ion: 43 Resp: 33992

Ion Ratio Lower Upper

43 100

70 42.4 33.6 50.4

55 27.9 20.6 31.0

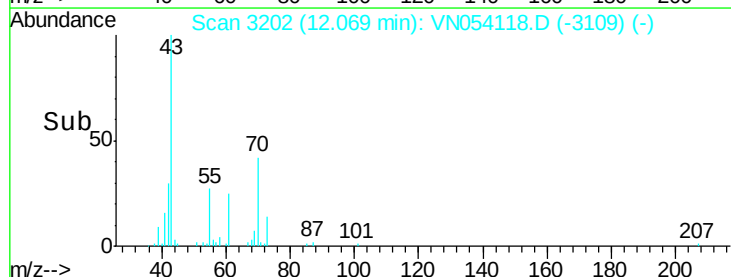
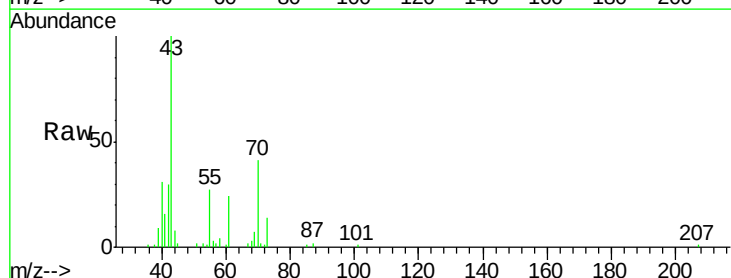
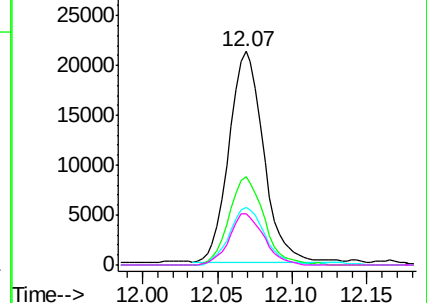
61 24.4 19.4 29.2

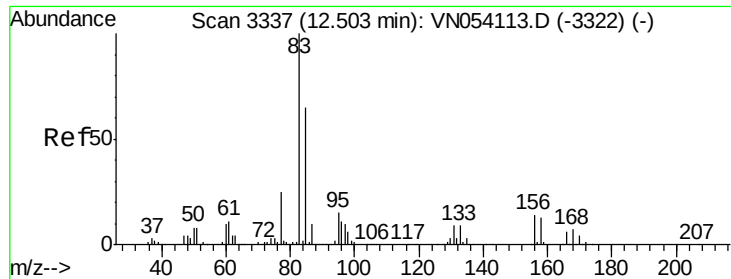
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 6.000 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

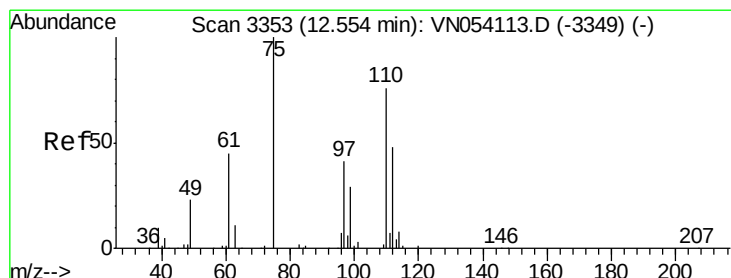
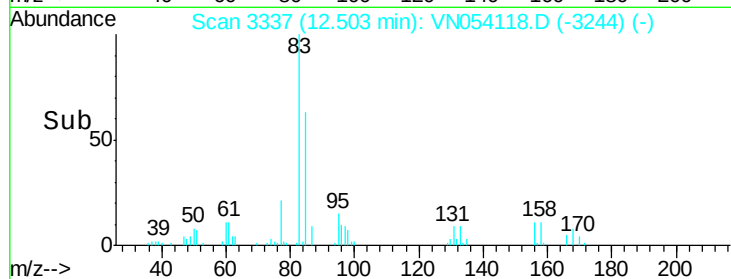
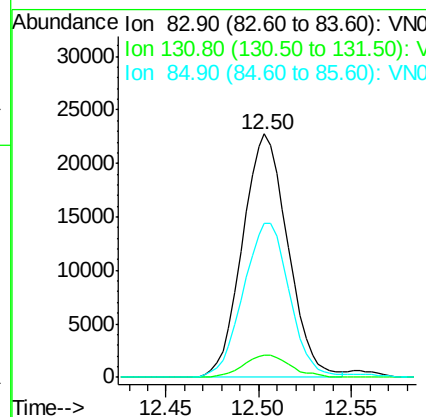
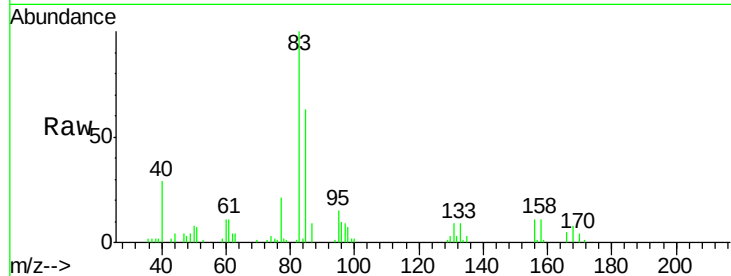
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	38643
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	14.9
85	64.4	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:16 AM



#76

1,2,3-Trichloropropane

Concen: 5.953 ug/l m

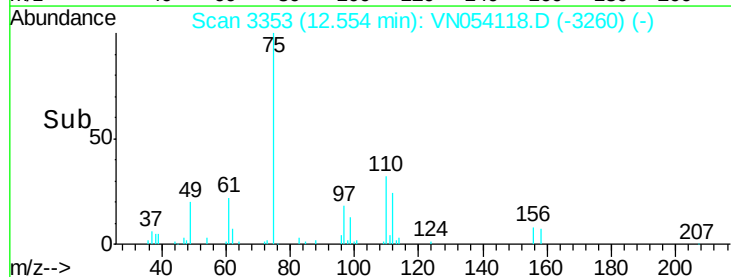
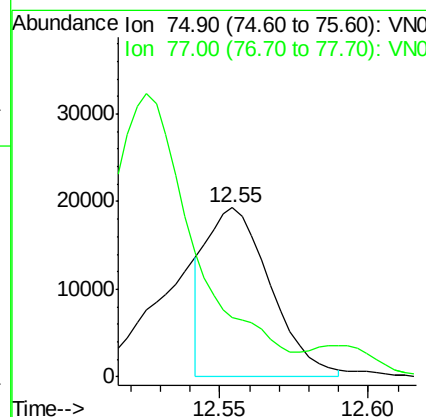
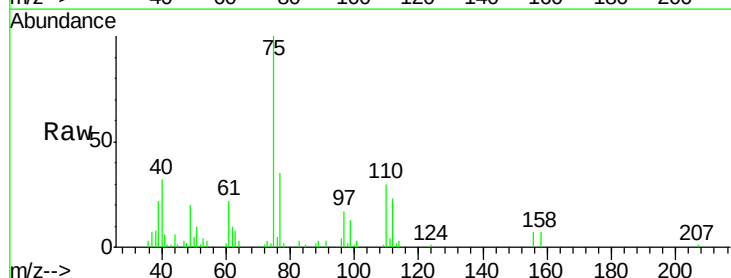
RT: 12.55 min Scan# 3353

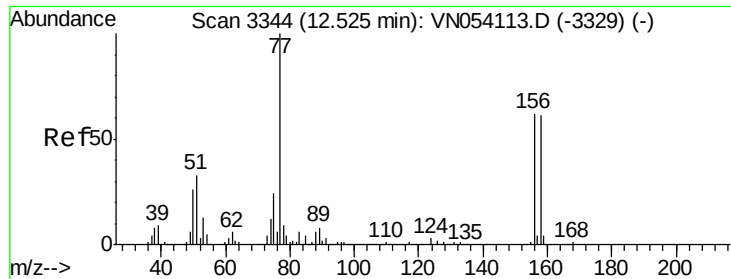
Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Tgt Ion:	75	Resp:	28943
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.526 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

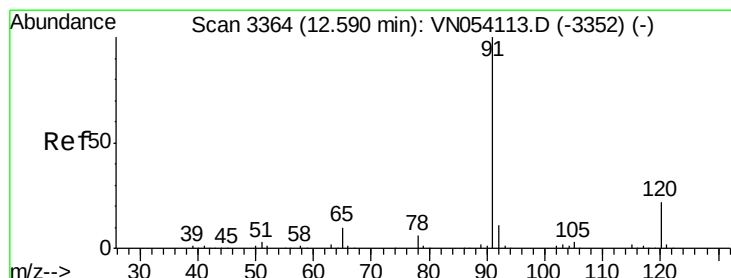
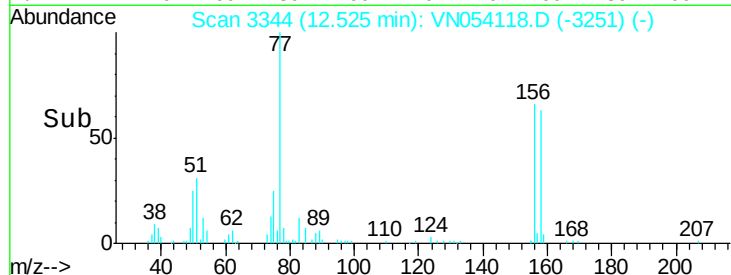
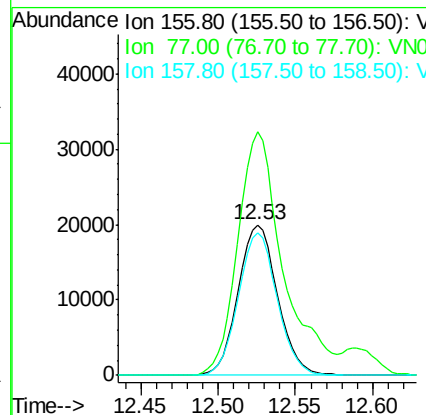
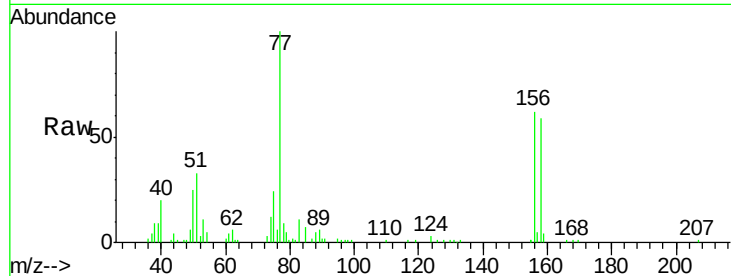
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	187.1	93.6	280.8
158	93.3	48.4	145.0

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:16 AM



#78

n-propylbenzene

Concen: 5.442 ug/l

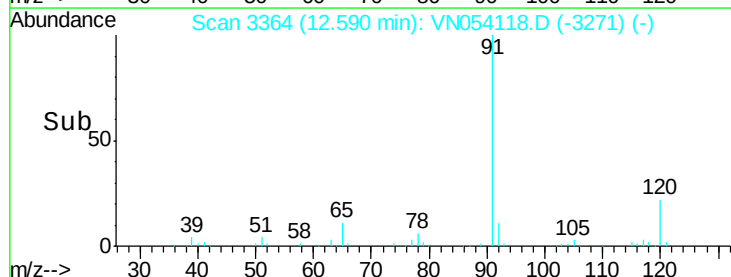
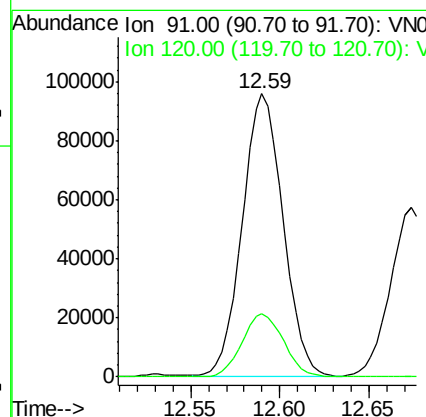
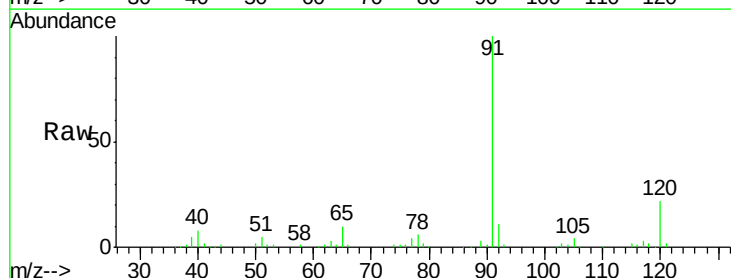
RT: 12.59 min Scan# 3364

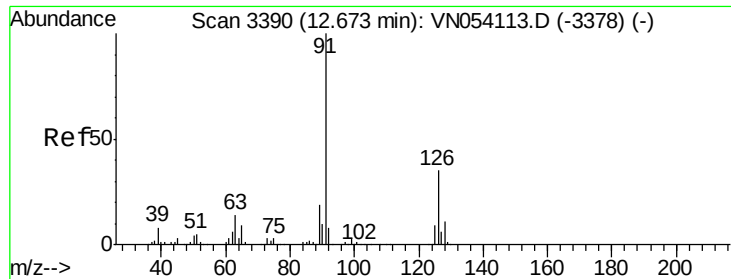
Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.9





#79

2-Chlorotoluene

Concen: 5.668 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 95852

Ion Ratio Lower Upper

91 100

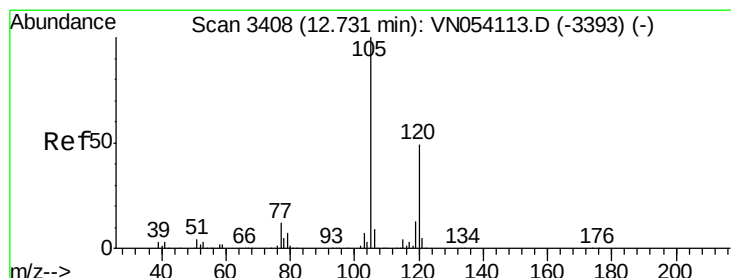
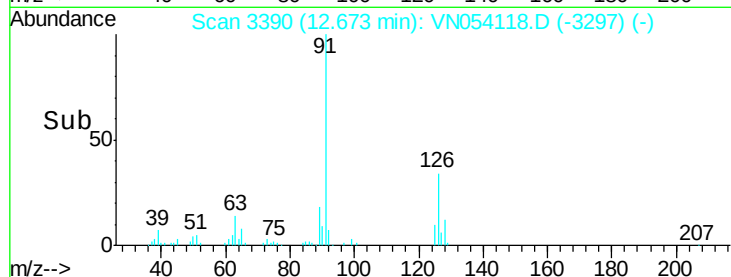
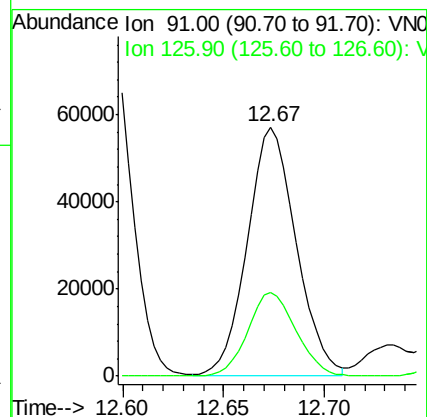
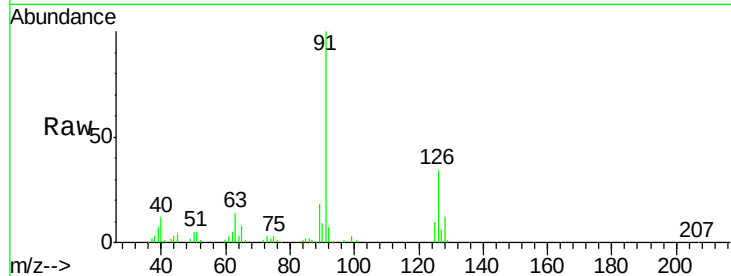
126 33.6 17.4 52.2

Manual Integrations

APPROVED

MMDadoda

3/7/2019 11:39:16 AM



#80

1,3,5-Trimethylbenzene

Concen: 5.485 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054118.D

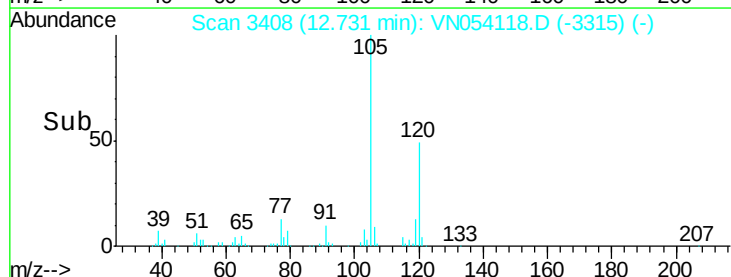
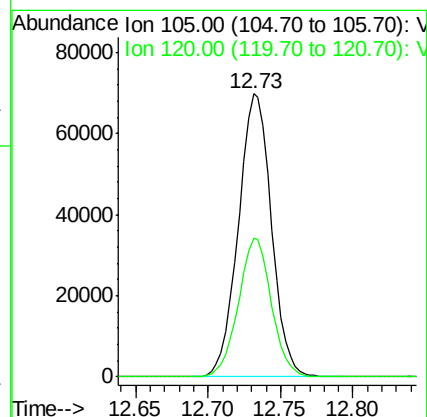
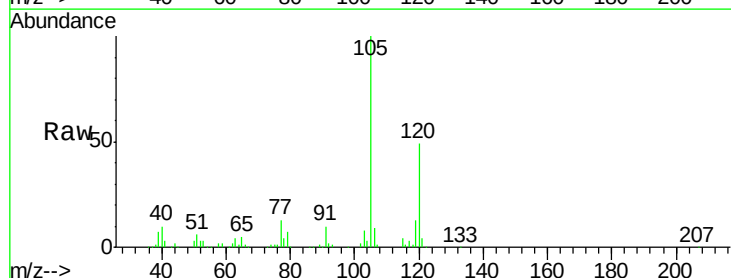
Acq: 6 Mar 2019 14:04

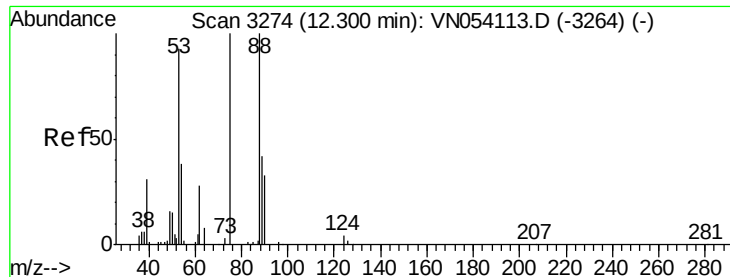
Tgt Ion: 105 Resp: 110333

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.8





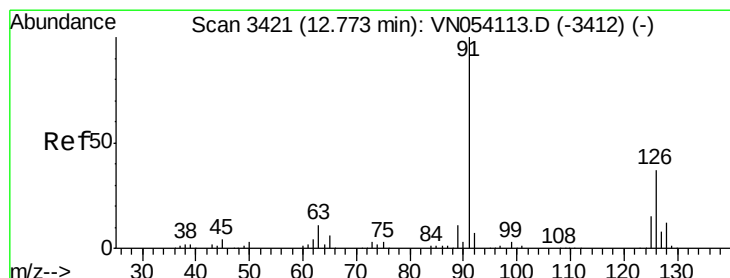
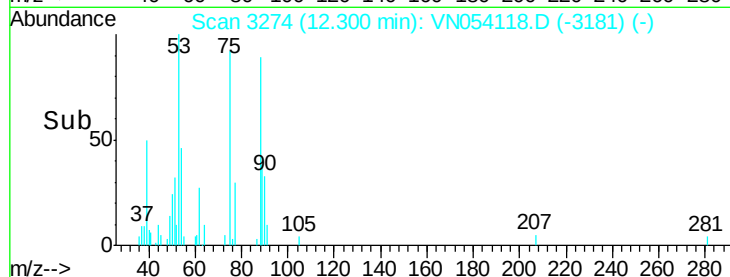
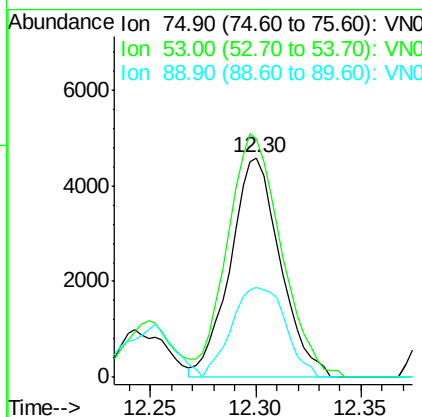
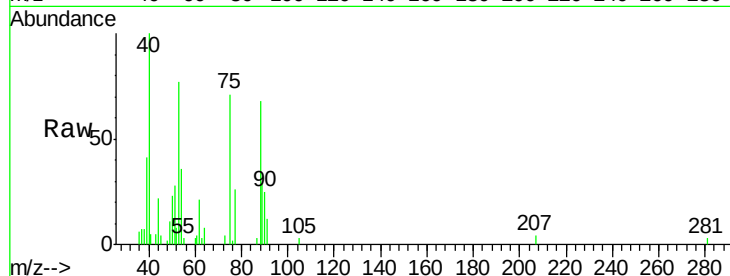
#81
trans-1,4-Dichloro-2-butene
Concen: 4.897 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.8	76.4	114.6#
89	44.1	35.3	52.9

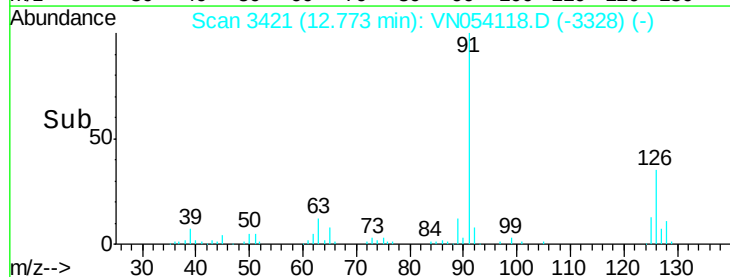
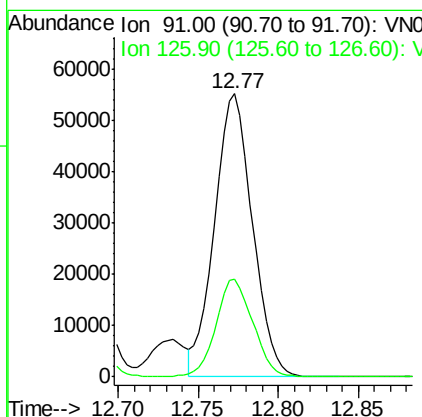
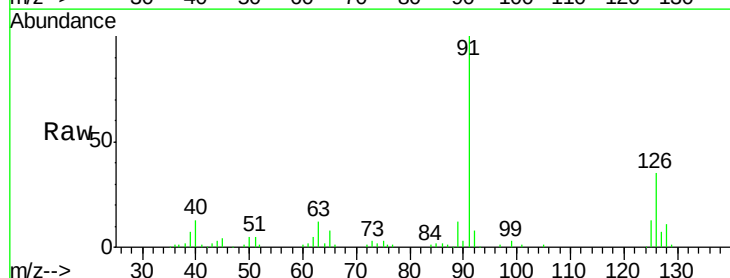
Manual Integrations
APPROVED

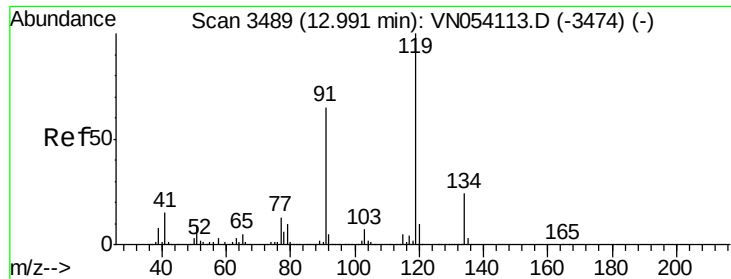
MMDadoda
3/7/2019 11:39:16 AM



#82
4-Chlorotoluene
Concen: 5.361 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.1	51.3





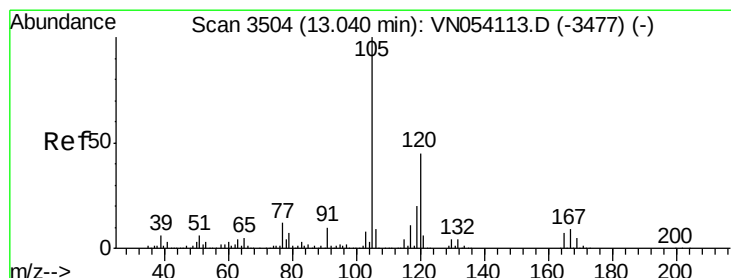
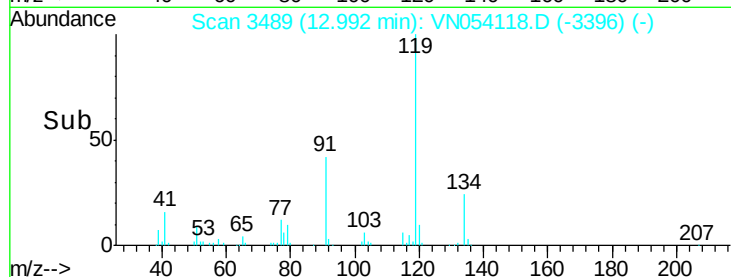
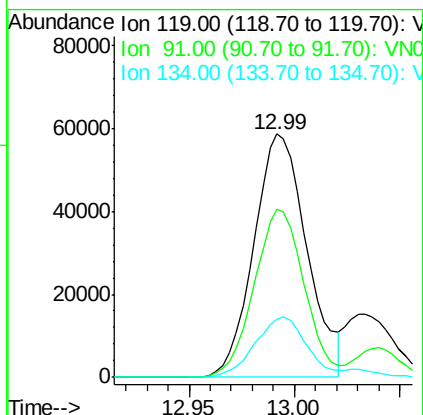
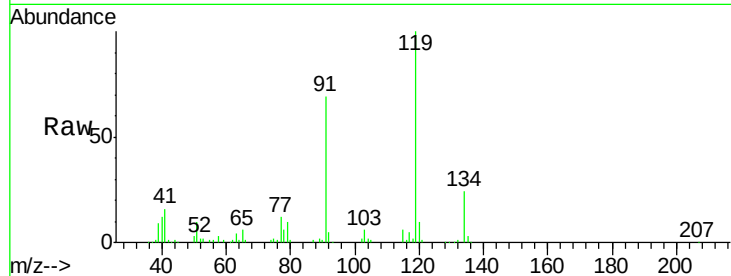
#83
 tert-Butylbenzene
 Concen: 5.764 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	102680		
91	65.0		31.8	95.3
134	23.9		12.8	38.3

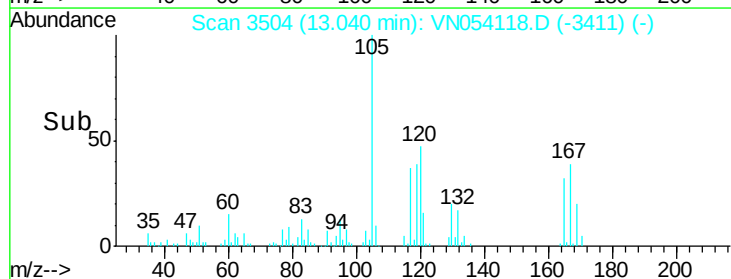
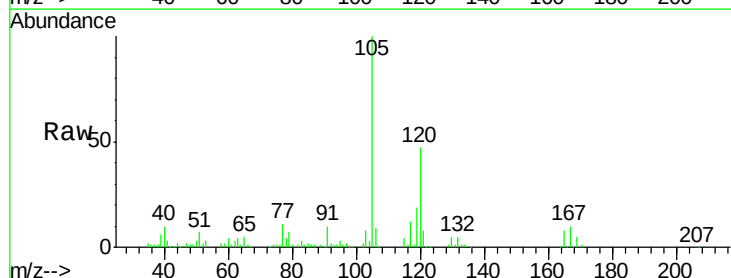
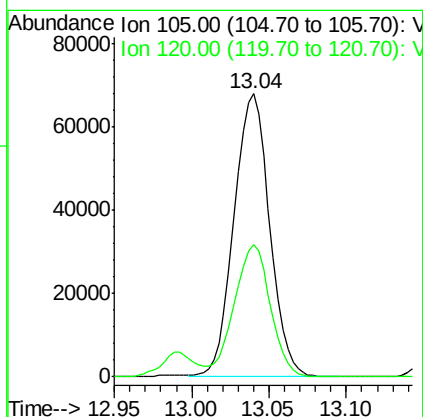
Manual Integrations
 APPROVED

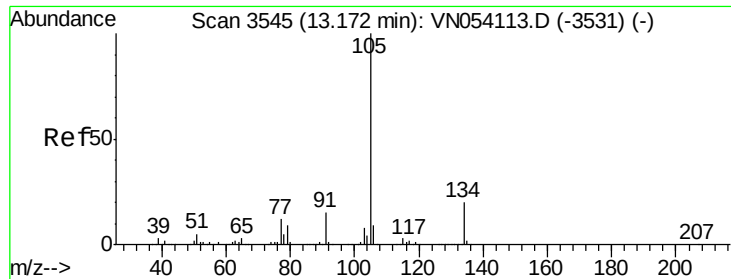
MMDadoda
 3/7/2019 11:39:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.455 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	108900		
120	47.5		22.6	67.7





#85

sec-Butylbenzene

Concen: 5.704 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 137879

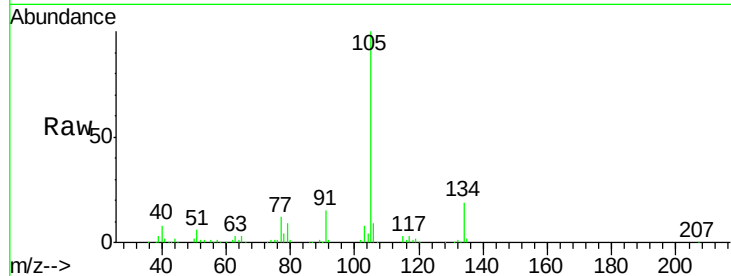
Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5

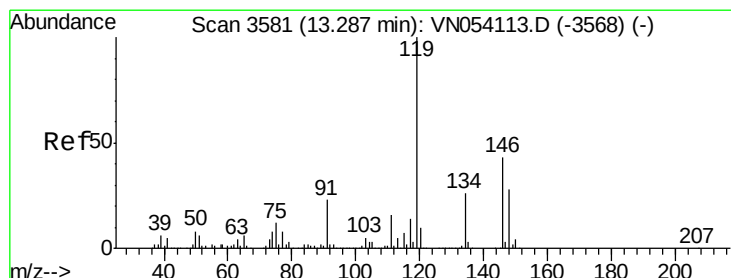
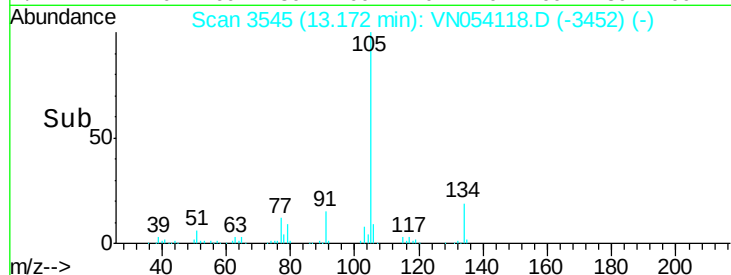
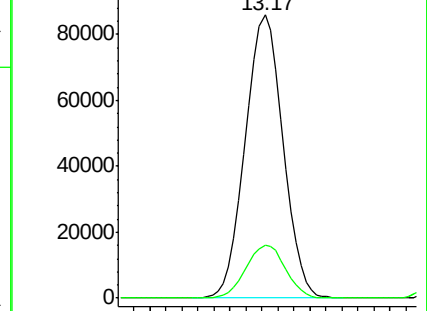
Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.452 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

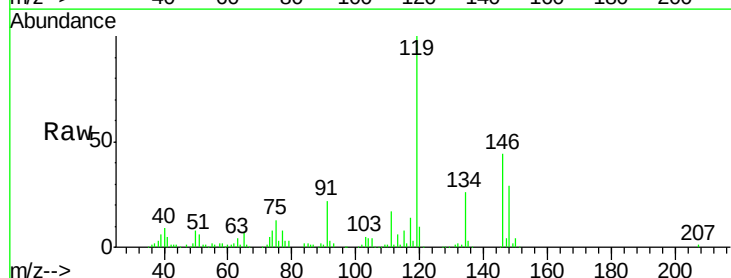
Tgt Ion:119 Resp: 110792

Ion Ratio Lower Upper

119 100

134 25.6 13.2 39.5

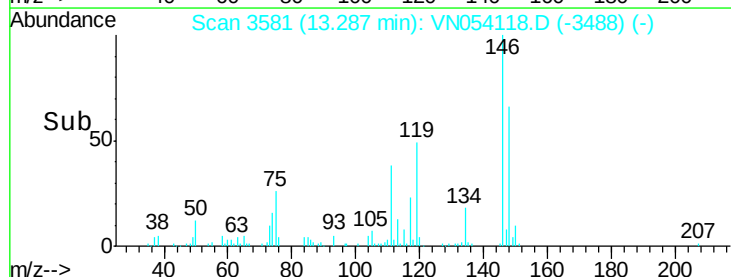
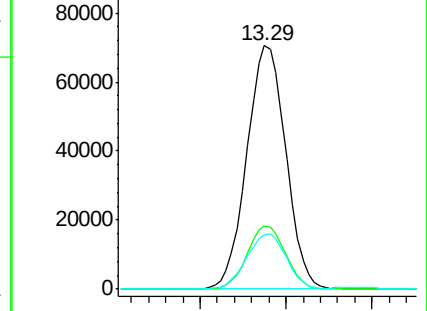
91 23.4 11.4 34.2

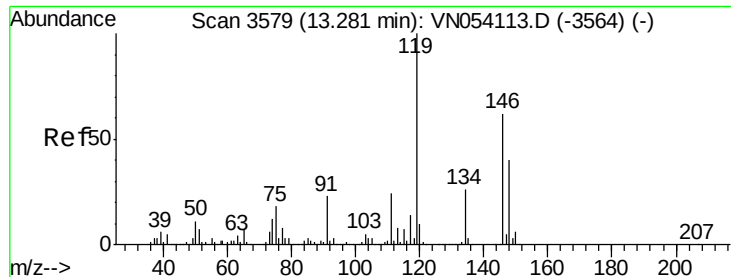


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.358 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

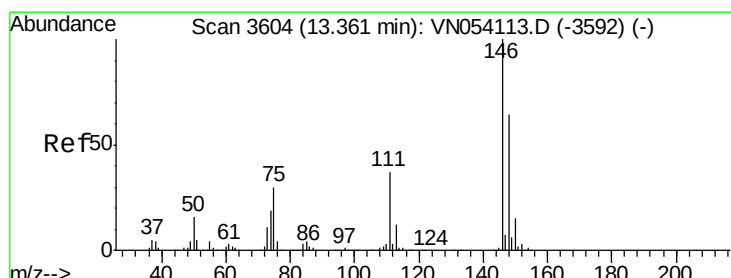
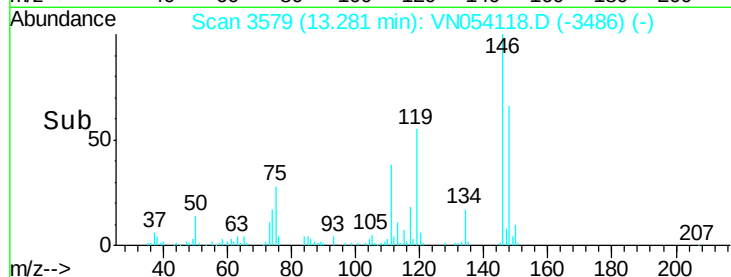
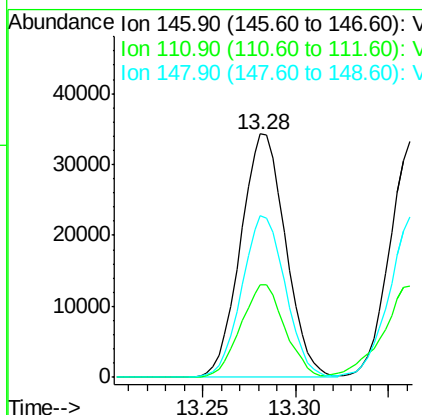
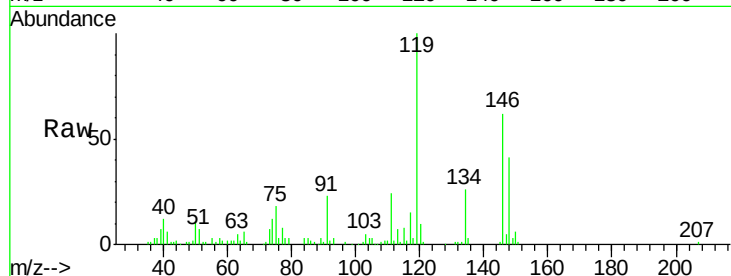
ClientSampled :

VSTDIC005

Tot Ion:	146	Resp:	58026
Ion Ratio	Lower	Upper	
146	100		
111	37.3	19.3	57.8
148	64.3	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:16 AM



#88

1,4-Dichlorobenzene

Concen: 5.205 ug/l

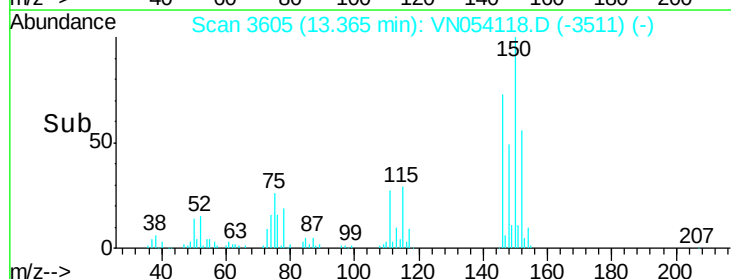
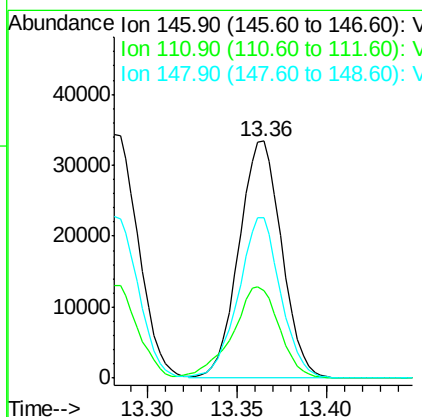
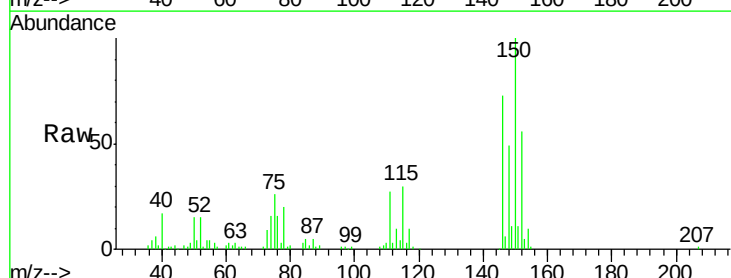
RT: 13.36 min Scan# 3605

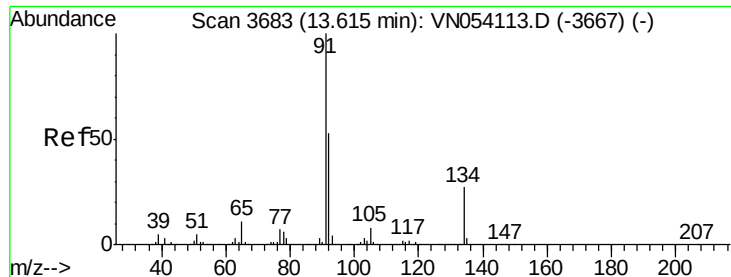
Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Tgt Ion:	146	Resp:	55933
Ion Ratio	Lower	Upper	
146	100		
111	42.3	18.9	56.5
148	67.1	32.1	96.5





#89

n-Butylbenzene

Concen: 4.937 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

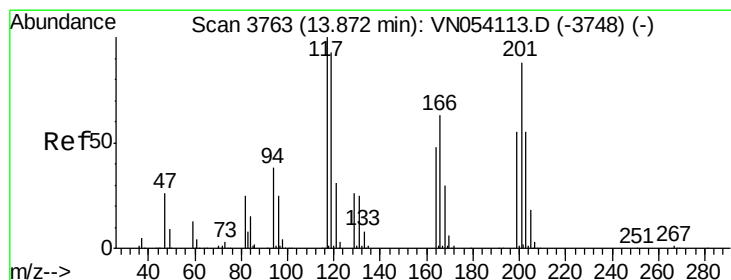
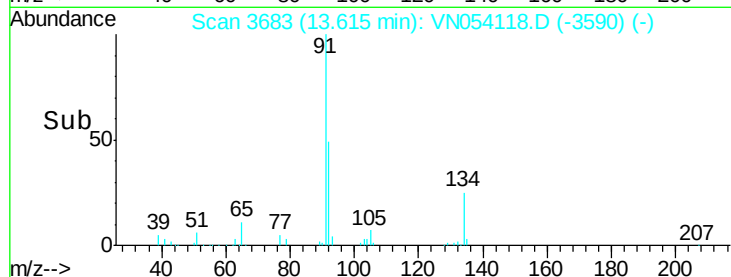
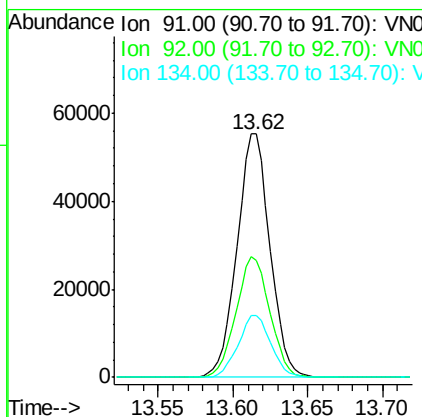
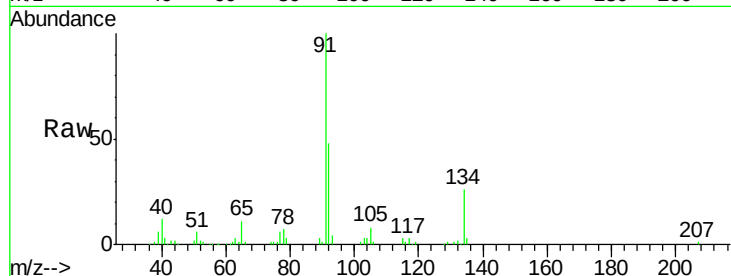
ClientSampled :

VSTDIC005

Tot Ion:	91	Resp:	84716
Ion	Ratio	Lower	Upper
91	100		
92	50.6	26.0	78.0
134	25.3	13.1	39.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:16 AM



#90

Hexachloroethane

Concen: 5.670 ug/l

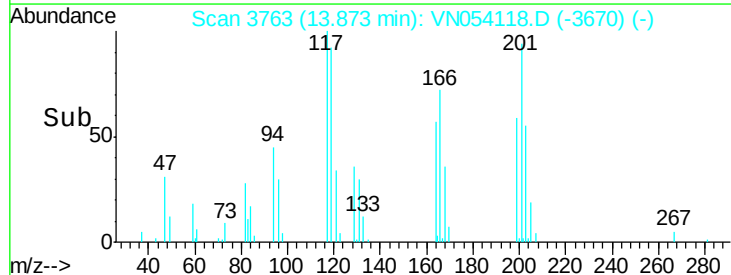
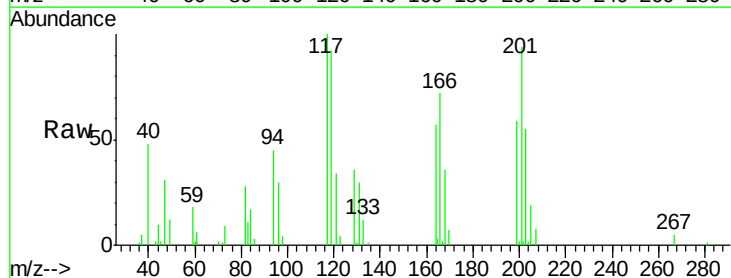
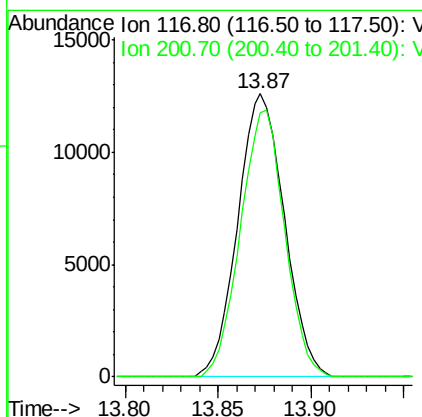
RT: 13.87 min Scan# 3763

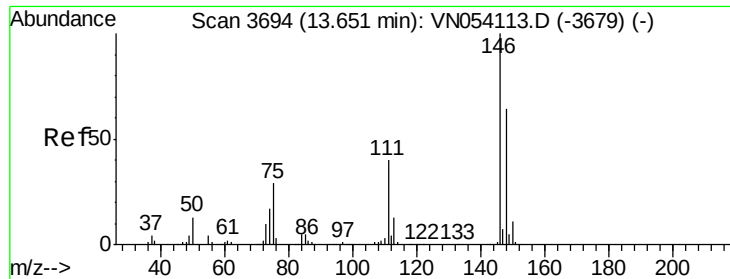
Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Tgt Ion:	117	Resp:	22101
Ion	Ratio	Lower	Upper
117	100		
201	89.3	44.9	134.7





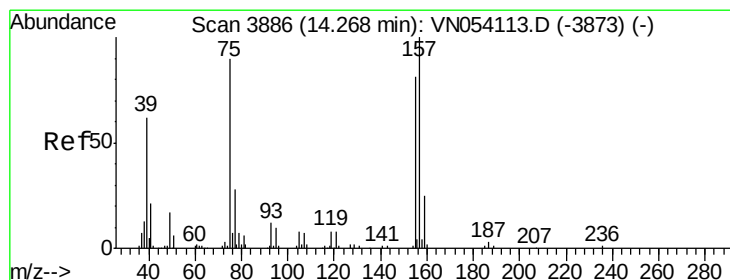
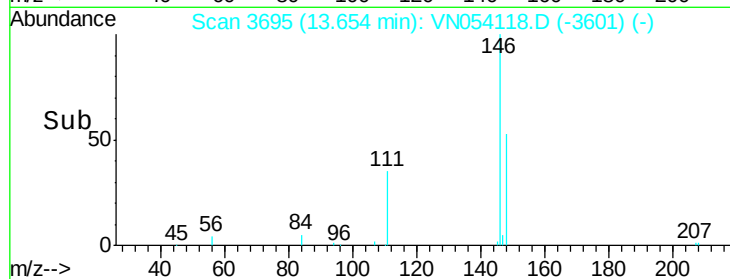
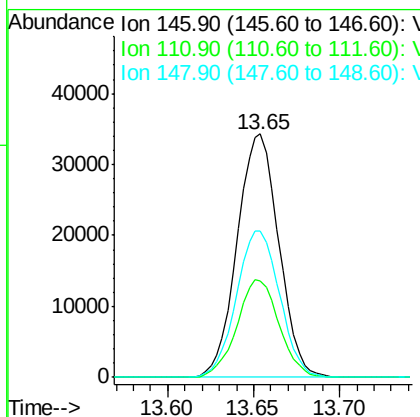
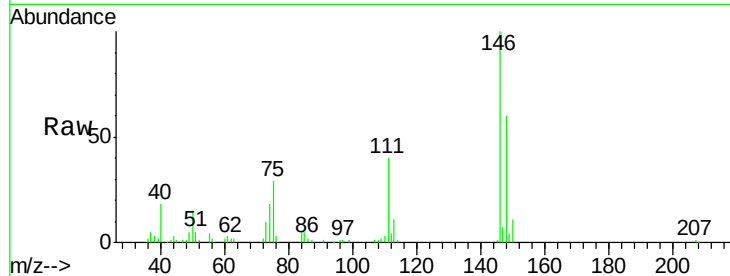
#91
 1,2-Dichlorobenzene
 Concen: 5.365 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	62.4	32.3	96.9

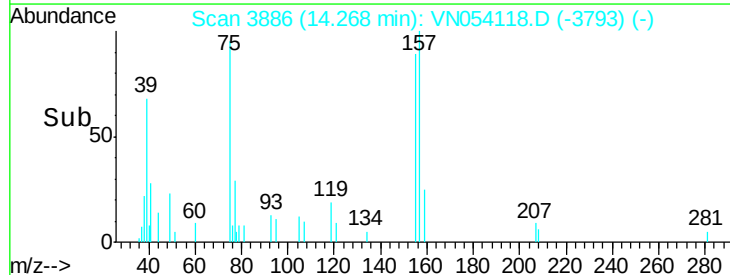
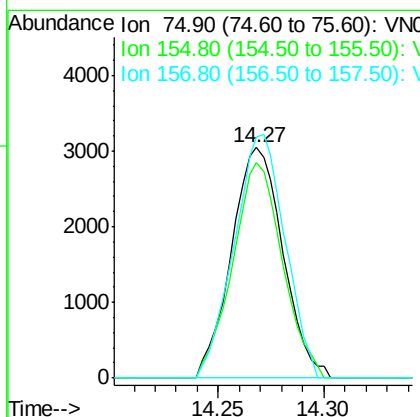
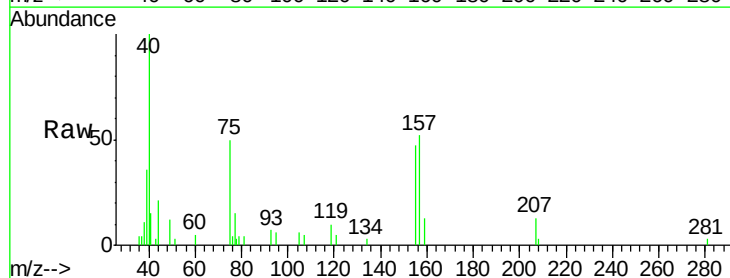
Manual Integrations
 APPROVED

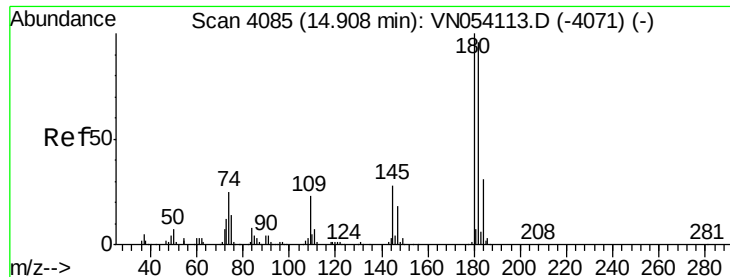
MMDadoda
 3/7/2019 11:39:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.721 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	44.5	133.5
157	104.5	57.2	171.6





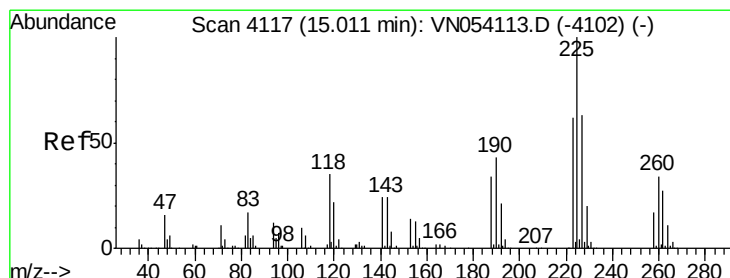
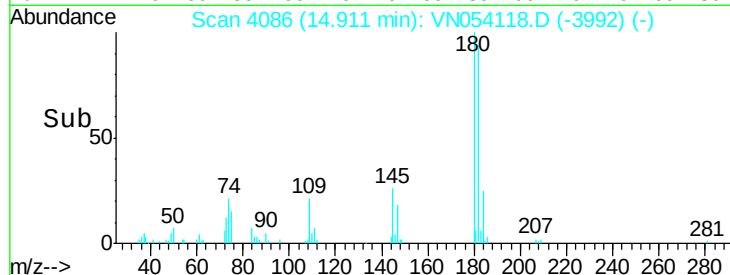
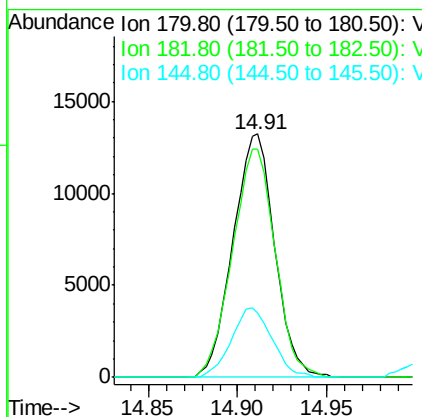
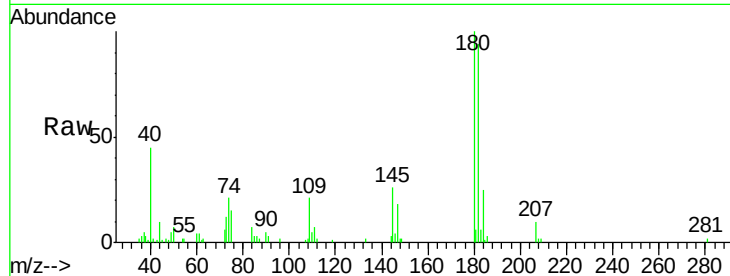
#93
 1,2,4-Trichlorobenzene
 Concen: 4.196 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.1	144.3
145	27.8	13.9	41.7

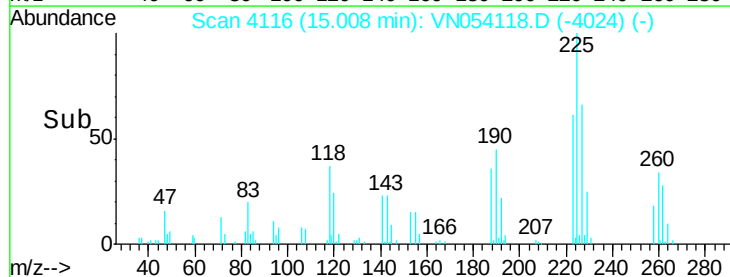
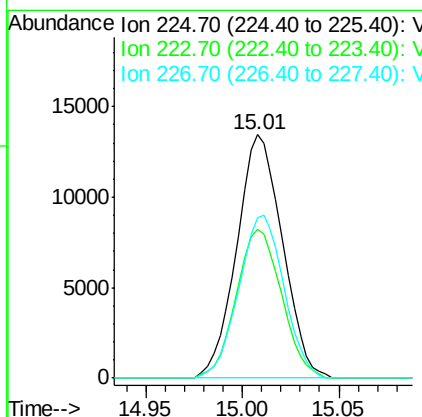
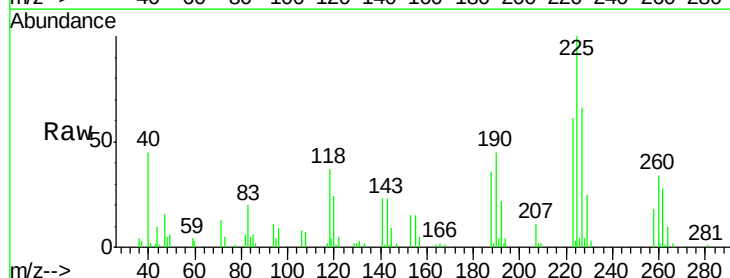
Manual Integrations
 APPROVED

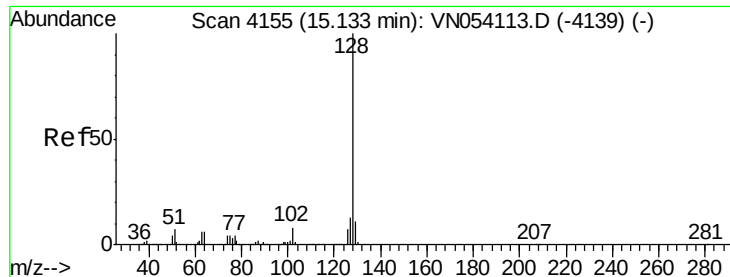
MMDadoda
 3/7/2019 11:39:16 AM



#94
 Hexachlorobutadiene
 Concen: 5.730 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.2	93.6
227	66.2	31.9	95.7





#95

Naphthalene

Concen: 3.628 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

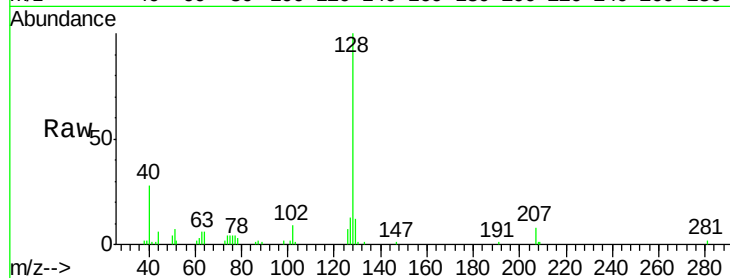
ClientSampled :

VSTDIC005

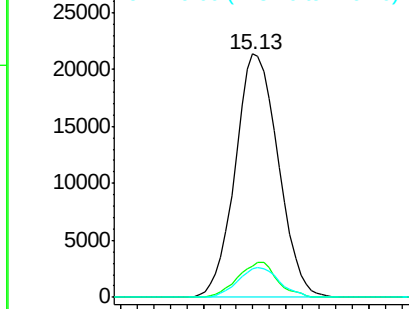
Tot Ion:	128	Resp:	38505
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	11.7	8.6	12.8

Manual Integrations
APPROVED

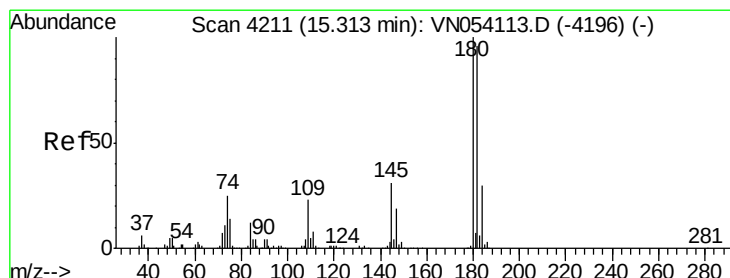
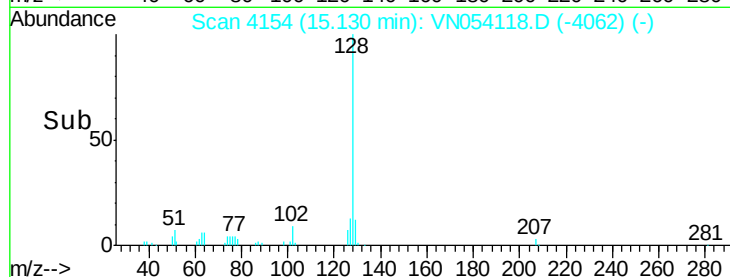
MMDadoda
3/7/2019 11:39:16 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 15.05 15.10 15.15 15.20



#96

1,2,3-Trichlorobenzene

Concen: 4.251 ug/l

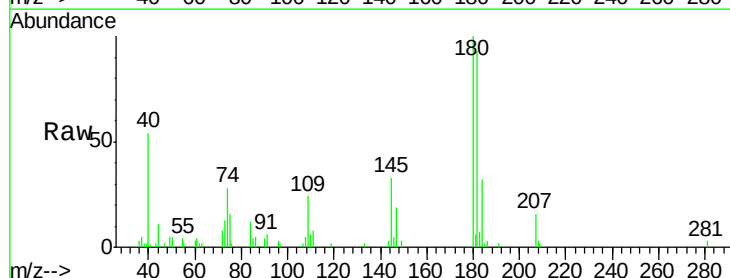
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

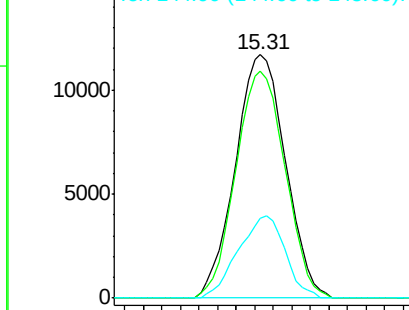
Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Tgt Ion:	180	Resp:	22016
Ion Ratio	Lower	Upper	
180	100		
182	91.7	47.9	143.7
145	31.4	14.9	44.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time--> 15.25 15.30 15.35

