

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054110.D
 Acq On : 6 Mar 2019 10:09
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 11:37:55 AM

Quant Time: Mar 07 05:55:33 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	599305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	986661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	800044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	7577	1.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.10%	
35) Dibromofluoromethane	7.59	113	6681	1.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.08%	
50) Toluene-d8	10.09	98	21088	0.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.74%	
62) 4-Bromofluorobenzene	12.40	95	6425	0.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	7069	1.227	ug/l	98
3) Chloromethane	2.05	50	8998	1.090	ug/l	98
4) Vinyl Chloride	2.18	62	8652	1.109	ug/l	97
5) Bromomethane	2.57	94	5794	1.145	ug/l	95
6) Chloroethane	2.71	64	5795	1.225	ug/l	100
7) Trichlorofluoromethane	3.02	101	10783	1.131	ug/l	100
8) Diethyl Ether	3.41	74	3555	0.936	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.75	101	7182	1.158	ug/l #	90
10) Methyl Iodide	3.95	142	5021	0.763	ug/l	99
11) Tert butyl alcohol	4.79	59	731	1.669	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	6514	1.126	ug/l	87
13) Acrolein	3.62	56	771	2.002	ug/l #	78
14) Allyl chloride	4.32	41	11143	1.069	ug/l #	84
15) Acrylonitrile	5.00	53	11035	4.465	ug/l #	91
16) Acetone	3.82	43	12556	5.639	ug/l	89
17) Carbon Disulfide	4.05	76	20092	1.065	ug/l	99
18) Methyl Acetate	4.34	43	5982	1.054	ug/l #	90
19) Methyl tert-butyl Ether	5.04	73	14213	0.875	ug/l	100
20) Methylene Chloride	4.55	84	8583	1.213	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	6469	1.018	ug/l	95
22) Diisopropyl ether	5.95	45	15834	0.779	ug/l #	83
23) Vinyl Acetate	5.90	43	58149	4.030	ug/l	98
24) 1,1-Dichloroethane	5.85	63	13074	1.076	ug/l #	94
25) 2-Butanone	6.85	43	12405	4.206	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	8729	0.996	ug/l	76
27) cis-1,2-Dichloroethene	6.81	96	3091	0.436	ug/l #	1
28) Bromochloromethane	7.20	49	5869	0.968	ug/l #	96
29) Tetrahydrofuran	7.21	42	4836	2.502	ug/l #	67
30) Chloroform	7.36	83	12257	1.053	ug/l	95
31) Cyclohexane	7.66	56	21340	1.617	ug/l #	43
32) 1,1,1-Trichloroethane	7.57	97	10194	1.056	ug/l #	51
36) 1,1-Dichloropropene	7.79	75	9873	1.066	ug/l #	77
37) Ethyl Acetate	6.94	43	4958	0.747	ug/l #	70
38) Carbon Tetrachloride	7.77	117	10188	1.152	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054110.D
 Acq On : 6 Mar 2019 10:09
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 11:37:55 AM

Quant Time: Mar 07 05:55:33 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	10732	1.004	ug/l	91
40) Benzene	8.04	78	27455	1.002	ug/l	97
41) Methacrylonitrile	7.18	41	2818	0.698	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	9210	1.061	ug/l	88
43) Isopropyl Acetate	8.18	43	8967	0.869	ug/l #	53
44) Trichloroethene	8.83	130	7699	1.048	ug/l	93
45) 1,2-Dichloropropane	9.11	63	7335	0.971	ug/l	91
46) Dibromomethane	9.21	93	4355	1.009	ug/l	95
47) Bromodichloromethane	9.40	83	9030	1.000	ug/l	98
48) Methyl methacrylate	9.20	41	5291	1.038	ug/l	84
49) 1,4-Dioxane	9.20	88	1310	19.454	ug/l #	50
51) 4-Methyl-2-Pentanone	9.99	43	21788	3.685	ug/l	98
52) Toluene	10.16	92	14993	0.924	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	7590	0.852	ug/l #	84
54) cis-1,3-Dichloropropene	9.84	75	8830	0.839	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	5903	0.966	ug/l	96
56) Ethyl methacrylate	10.43	69	5116	0.713	ug/l	87
57) 1,3-Dichloropropane	10.71	76	9882	0.948	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	10065	3.064	ug/l	98
59) 2-Hexanone	10.75	43	12498	3.204	ug/l	97
60) Dibromochloromethane	10.90	129	6016	0.920	ug/l	96
61) 1,2-Dibromoethane	11.01	107	4864	0.836	ug/l	93
64) Tetrachloroethene	10.63	164	7801	1.188	ug/l	98
65) Chlorobenzene	11.43	112	16758	1.007	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	6186	1.038	ug/l #	63
67) Ethyl Benzene	11.51	91	26288	0.944	ug/l	96
68) m/p-Xylenes	11.62	106	18175	1.729	ug/l	91
69) o-Xylene	11.95	106	9110	0.900	ug/l	95
70) Styrene	11.96	104	12553	0.782	ug/l	96
71) Bromoform	12.12	173	3795	0.925	ug/l #	96
73) Isopropylbenzene	12.25	105	24007	1.117	ug/l	100
74) N-amyl acetate	12.07	43	4475	0.786	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	6007	1.074	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	7413	1.755	ug/l #	100
77) Bromobenzene	12.53	156	6244	1.127	ug/l	94
78) n-propylbenzene	12.59	91	24734	1.023	ug/l	96
79) 2-Chlorotoluene	12.67	91	15977	1.088	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	16953	0.970	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	1259	0.939	ug/l #	93
82) 4-Chlorotoluene	12.77	91	14299	0.976	ug/l	98
83) tert-Butylbenzene	12.99	119	16205	1.047	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	16211	0.935	ug/l	99
85) sec-Butylbenzene	13.17	105	20903	0.995	ug/l	100
86) p-Isopropyltoluene	13.29	119	16412	0.930	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	9656	1.026	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	9656	1.034	ug/l	98
89) n-Butylbenzene	13.62	91	12570	0.843	ug/l	92
90) Hexachloroethane	13.88	117	4239	1.252	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	9726	1.039	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	852	1.086	ug/l	73

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
Data File : VN054110.D
Acq On : 6 Mar 2019 10:09
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

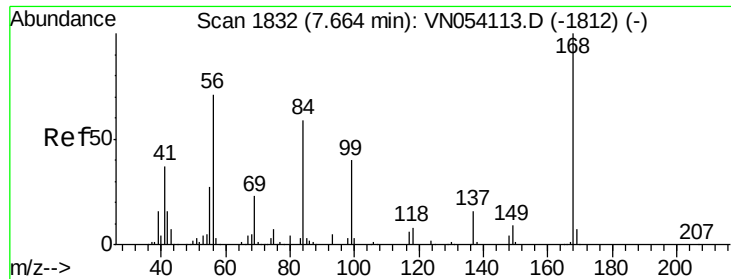
Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:37:55 AM

Quant Time: Mar 07 05:55:33 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	2288	0.512	ug/l	87
94) Hexachlorobutadiene	15.01	225	3892	1.161	ug/l	96
95) Naphthalene	15.13	128	3619	0.393	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.32	180	2405	0.535	ug/l	86

(#) = 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: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 599305

Ion Ratio Lower Upper

168 100

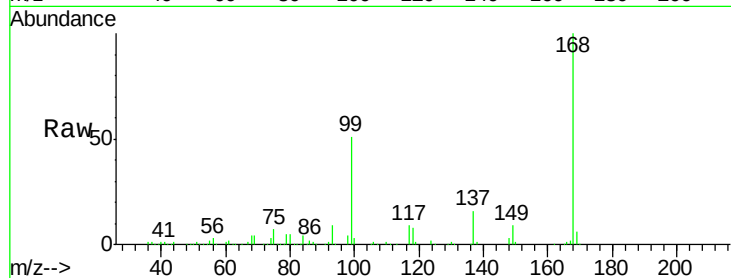
99 50.8 41.1 61.7

Manual Integrations

APPROVED

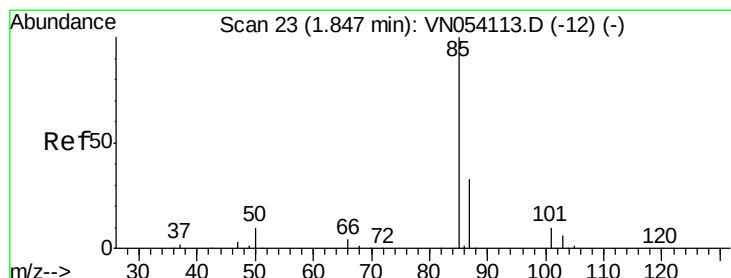
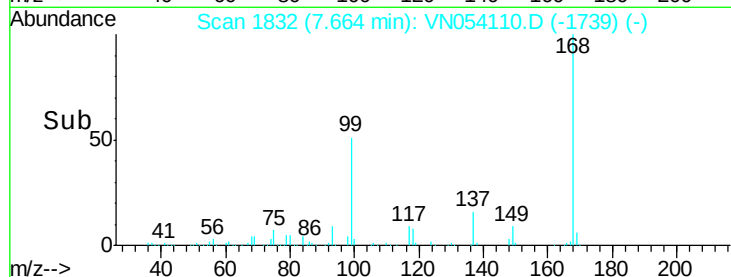
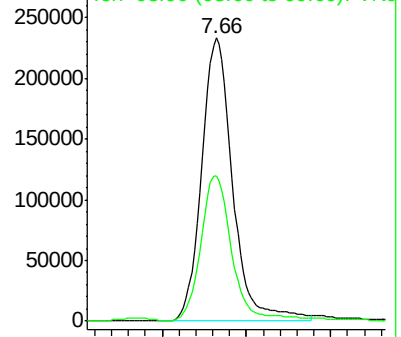
MMDadoda

3/7/2019 11:37:55 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 1.227 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054110.D

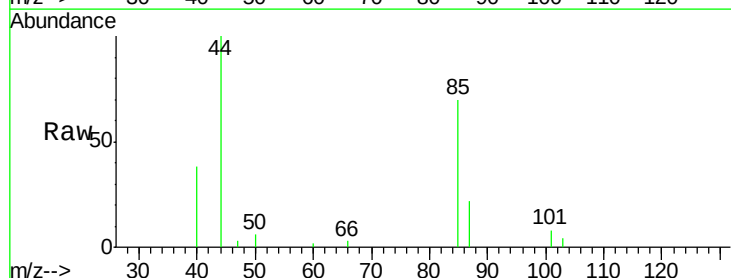
Acq: 6 Mar 2019 10:09

Tgt Ion: 85 Resp: 7069

Ion Ratio Lower Upper

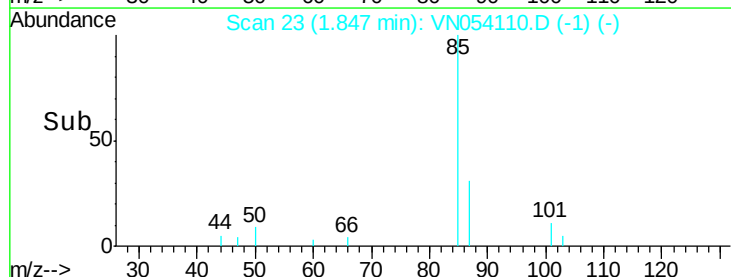
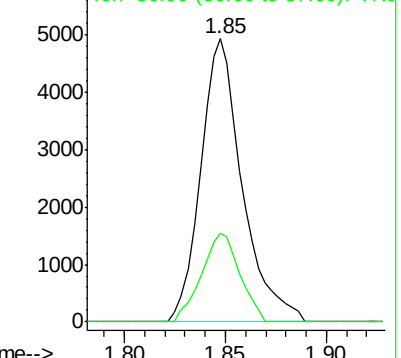
85 100

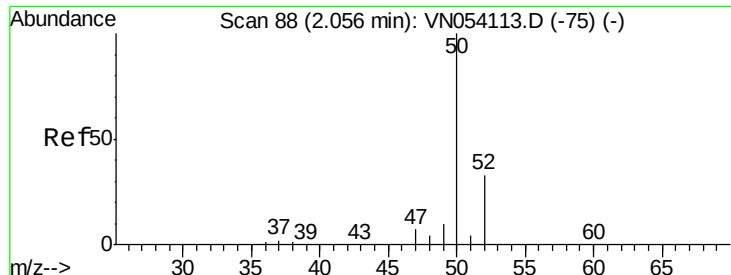
87 31.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 1.090 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 8998

Ion Ratio Lower Upper

50 100

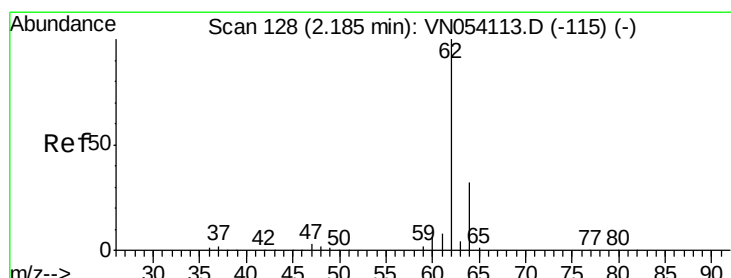
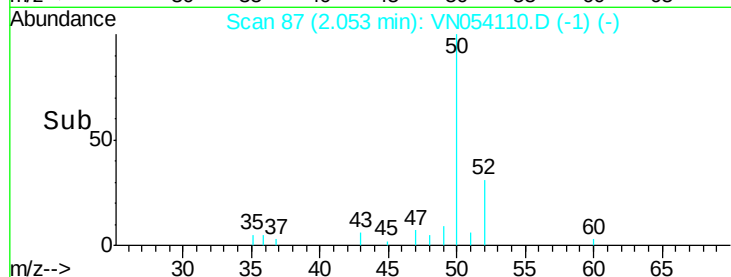
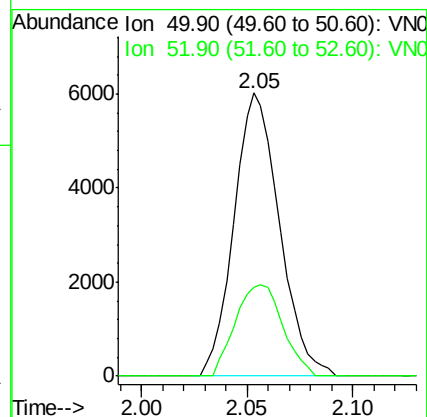
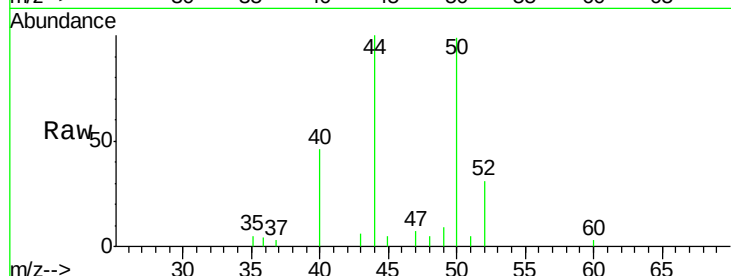
52 31.4 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

3/7/2019 11:37:55 AM



#4

Vinyl Chloride

Concen: 1.109 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN054110.D

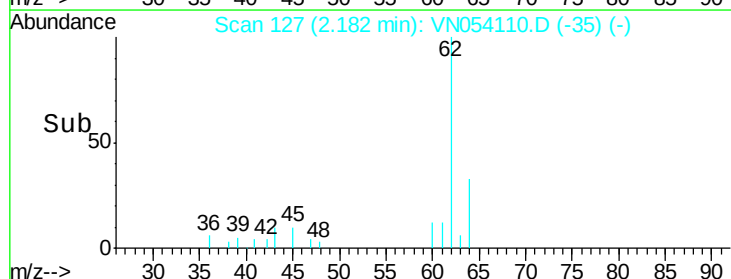
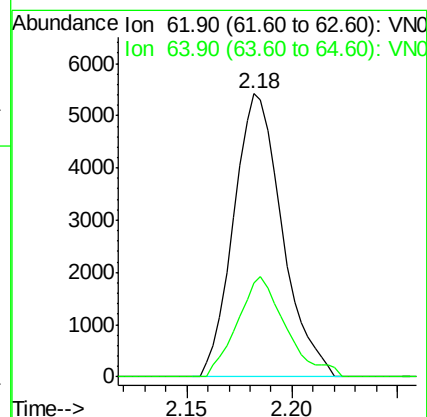
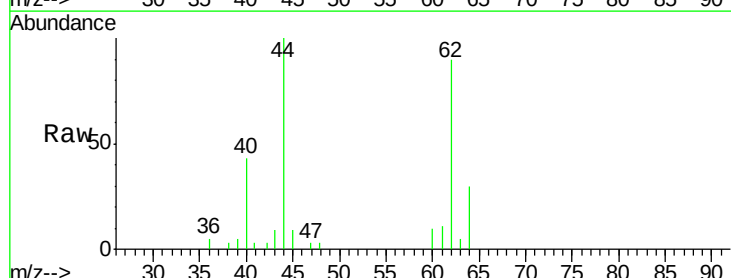
Acq: 6 Mar 2019 10:09

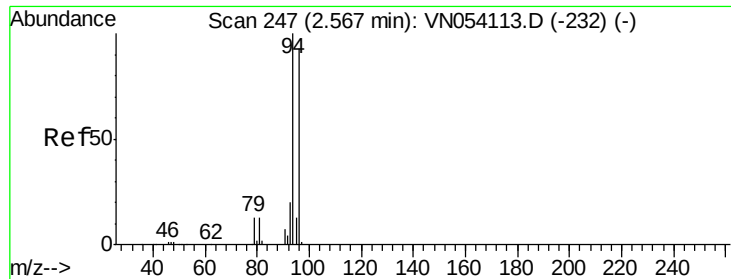
Tgt Ion: 62 Resp: 8652

Ion Ratio Lower Upper

62 100

64 33.4 25.3 37.9





#5

Bromomethane

Concen: 1.145 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 5794

Ion Ratio Lower Upper

94 100

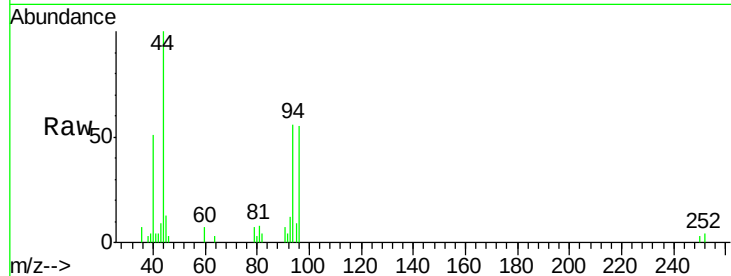
96 98.0 74.2 111.4

Manual Integrations

APPROVED

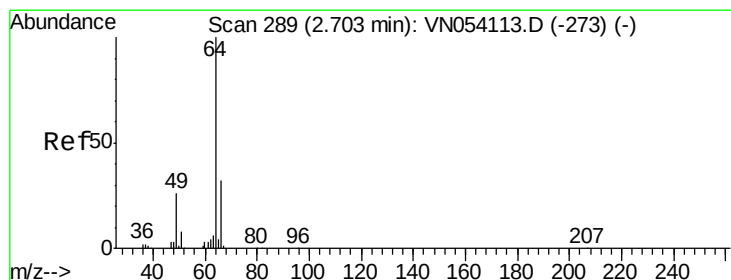
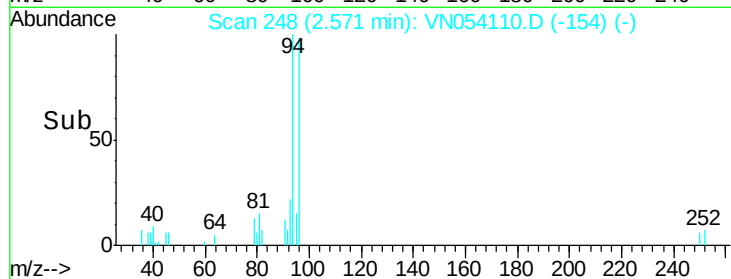
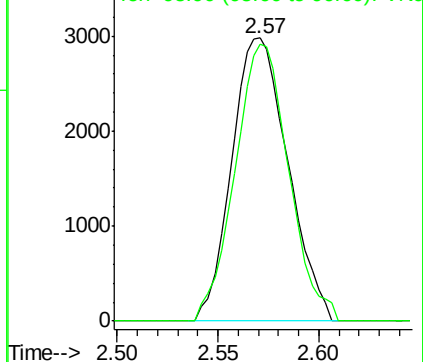
MMDadoda

3/7/2019 11:37:55 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.225 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054110.D

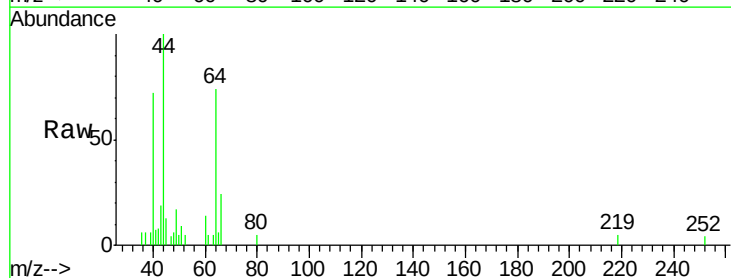
Acq: 6 Mar 2019 10:09

Tgt Ion: 64 Resp: 5795

Ion Ratio Lower Upper

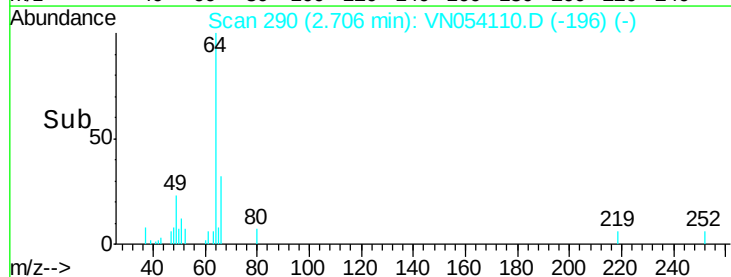
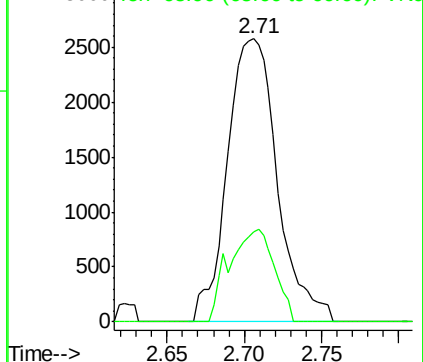
64 100

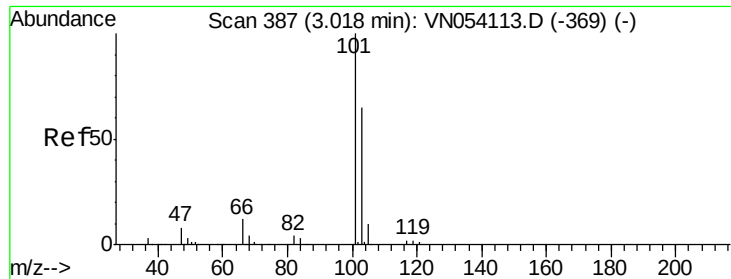
66 31.9 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

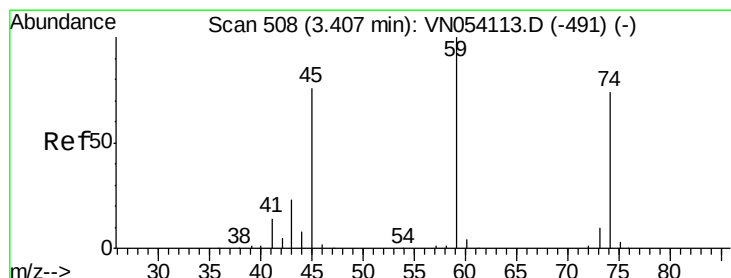
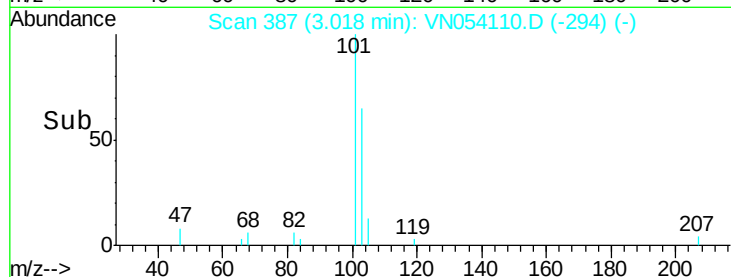
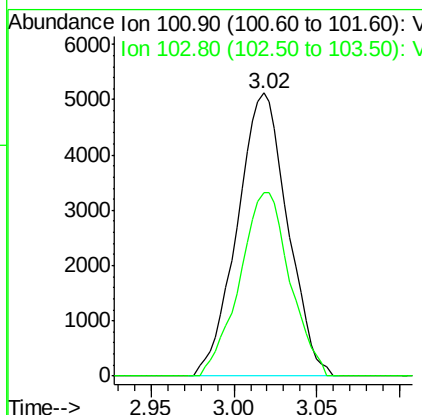
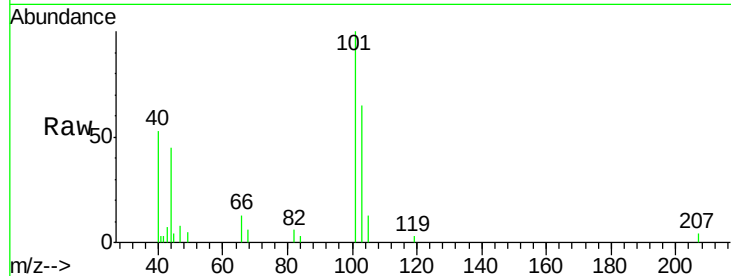
Trichlorofluoromethane
Concen: 1.131 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.0	78.0

Manual Integrations
APPROVED

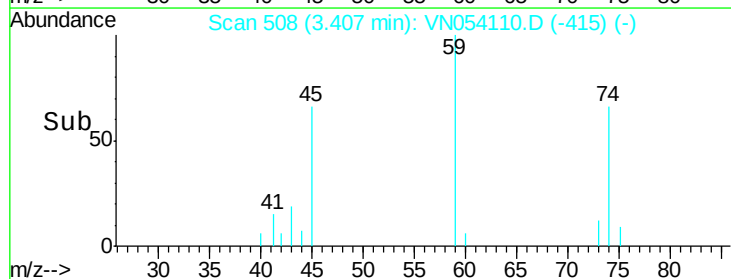
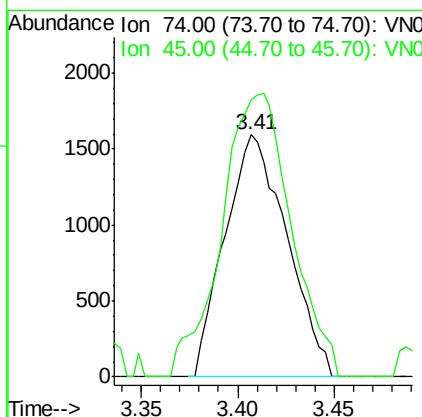
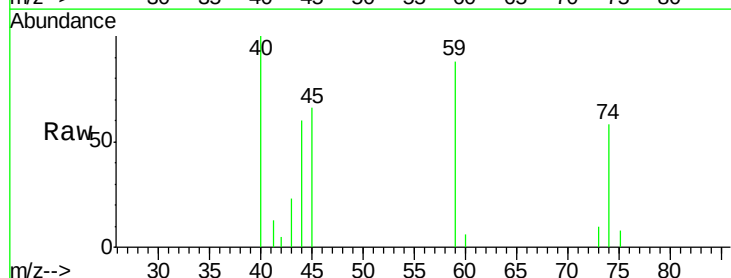
MMDadoda
3/7/2019 11:37:55 AM

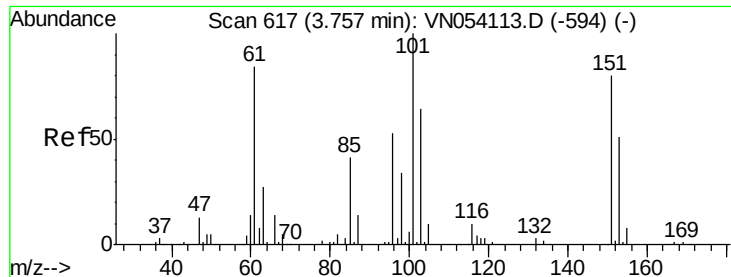


#8

Diethyl Ether
Concen: 0.936 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	131.2	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.158 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

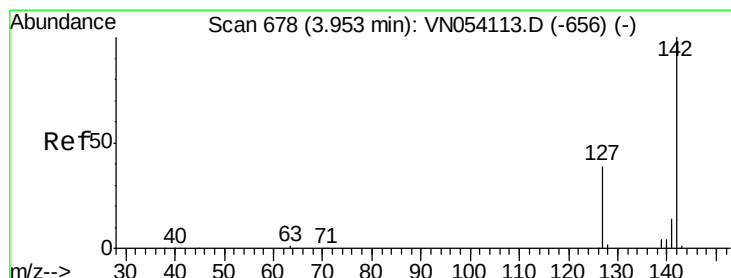
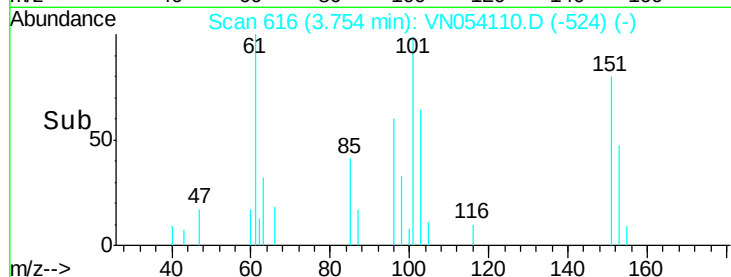
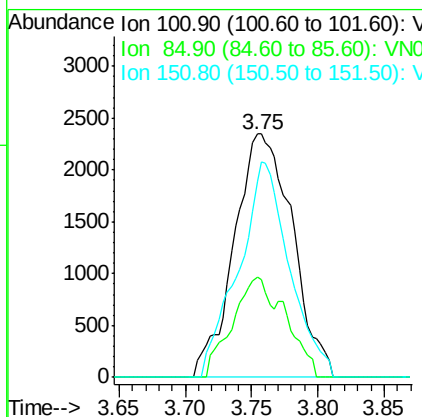
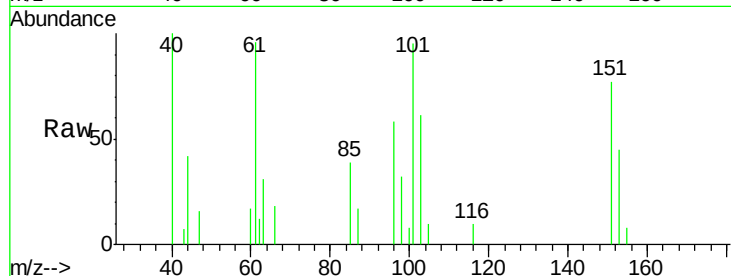
ClientSampled :

VSTDIC001

Tot Ion:	101	Resp:	7182
Ion Ratio	Lower	Upper	
101	100		
85	27.0	33.1	49.7#
151	77.4	64.3	96.5

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:37:55 AM



#10

Methyl Iodide

Concen: 0.763 ug/l

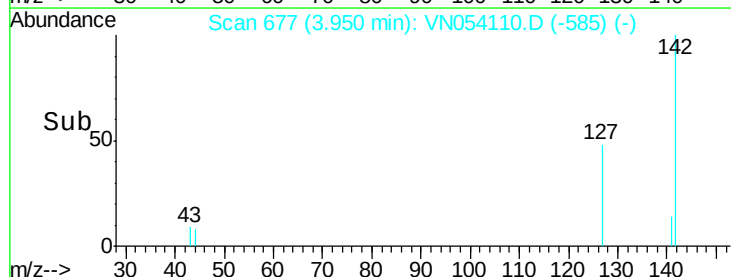
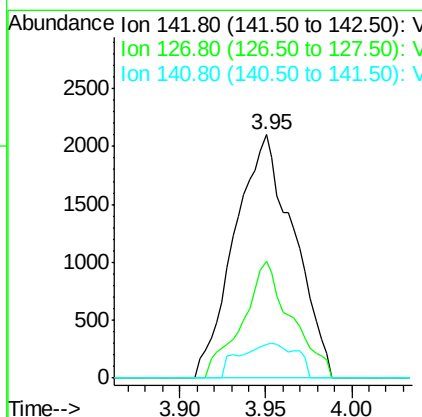
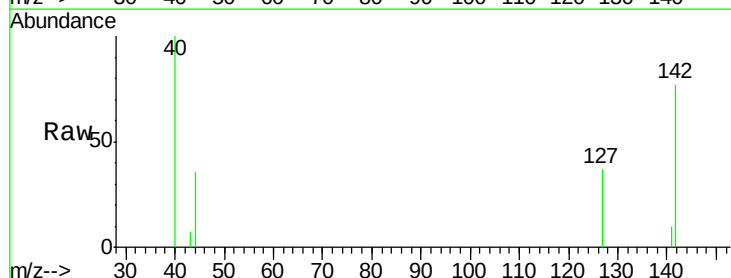
RT: 3.95 min Scan# 677

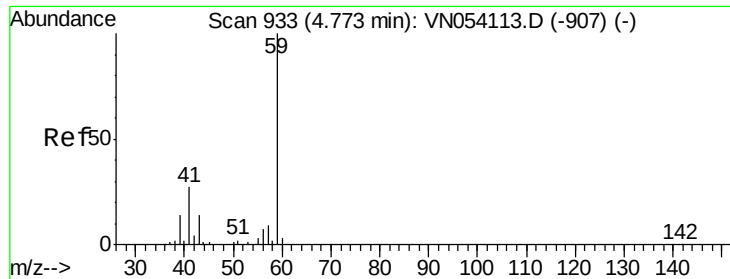
Delta R.T. -0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Tgt Ion:	142	Resp:	5021
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.9	47.9
141	13.6	11.4	17.0





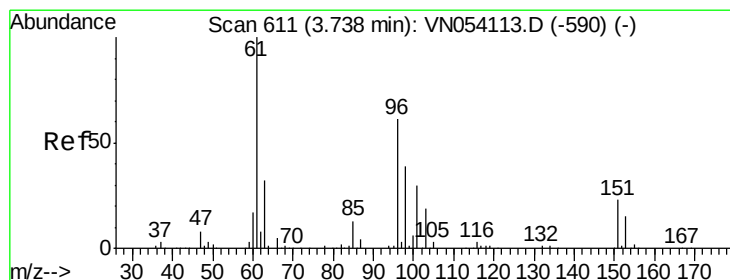
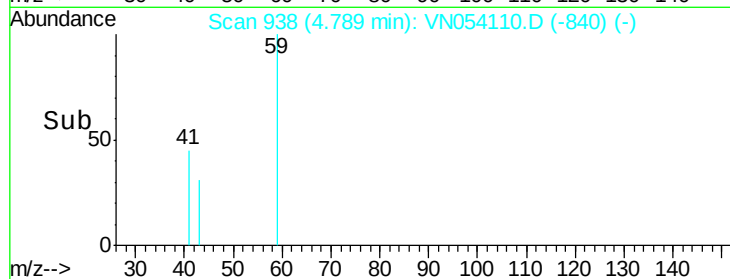
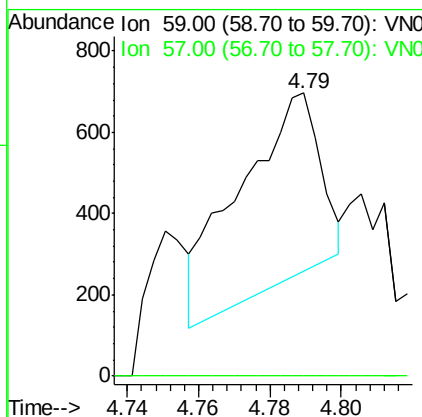
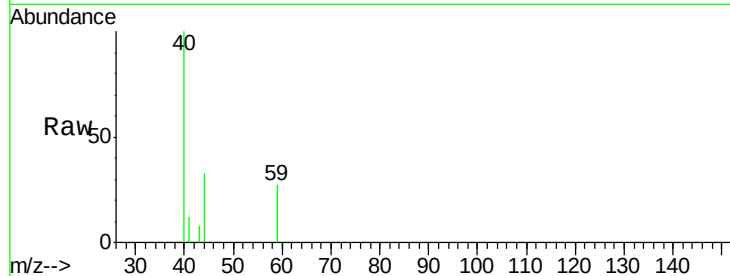
#11
Tert butyl alcohol
Concen: 1.669 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.02 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 59 Resp: 731
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

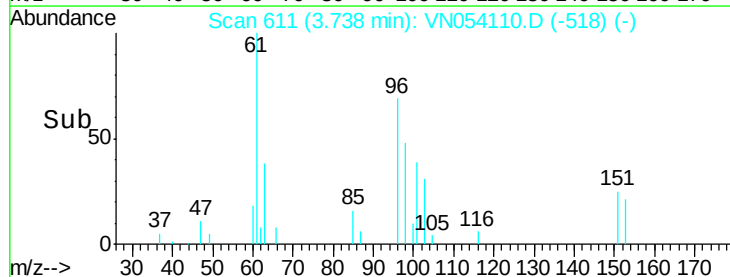
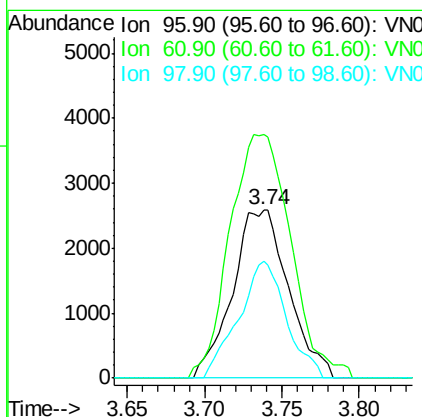
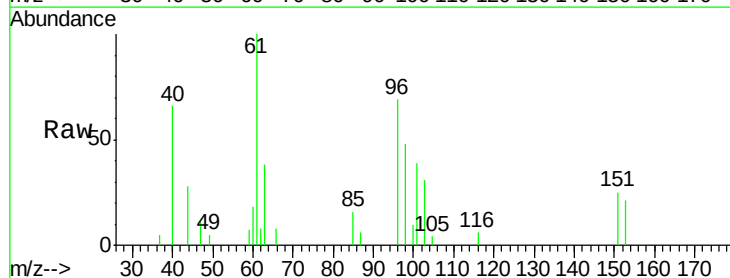
Manual Integrations
APPROVED

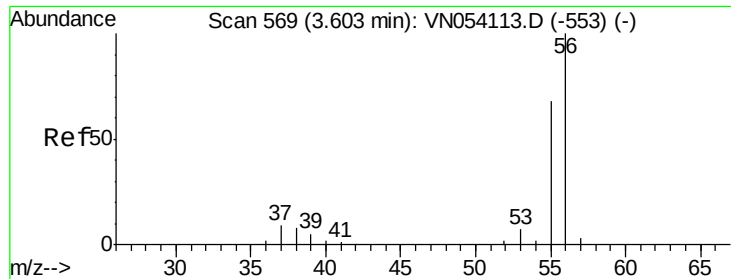
MMDadoda
3/7/2019 11:37:55 AM



#12
1,1-Dichloroethene
Concen: 1.126 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion: 96 Resp: 6514
Ion Ratio Lower Upper
96 100
61 144.3 131.2 196.8
98 69.2 50.7 76.1





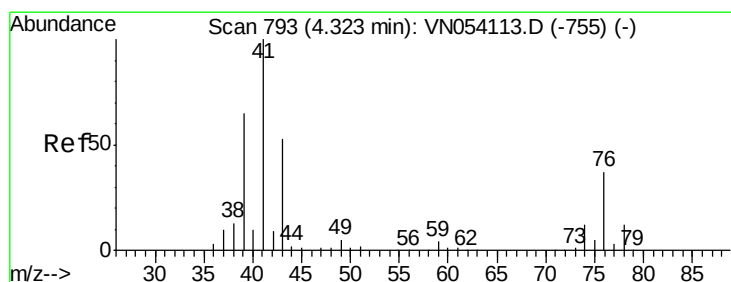
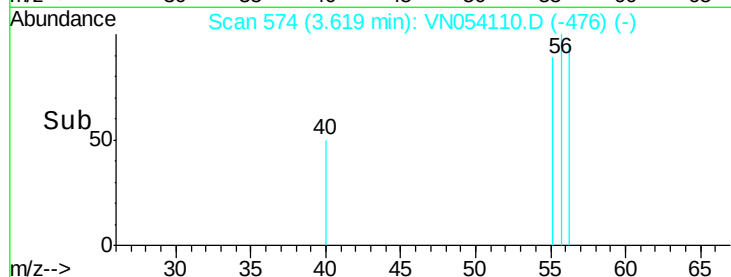
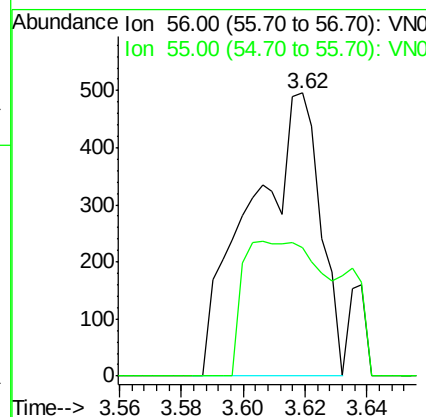
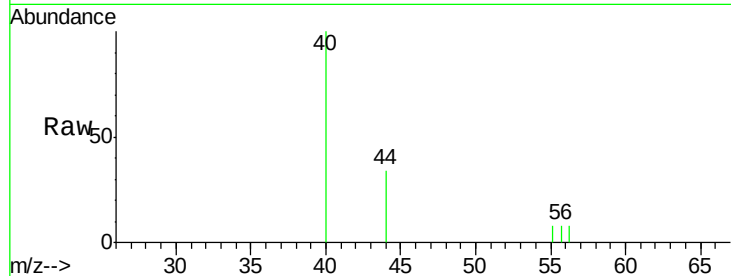
#13
Acrolein
Concen: 2.002 ug/l
RT: 3.62 min Scan# 574
Delta R.T. 0.02 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	56	Resp	771
Ion Ratio	100	Lower	Upper
55	53.4	57.1	85.7#

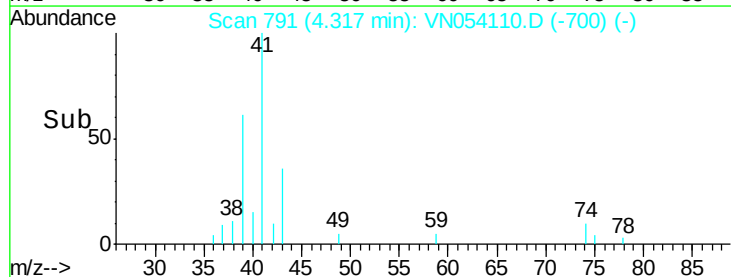
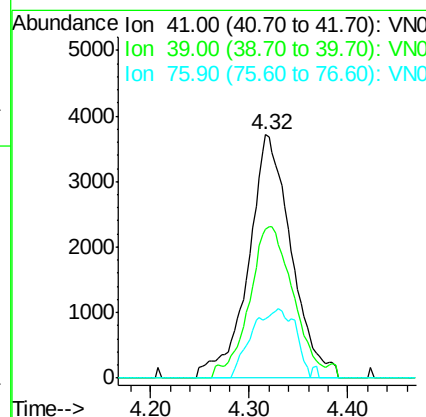
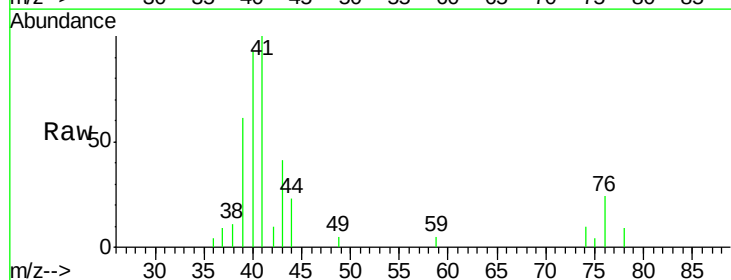
Manual Integrations
APPROVED

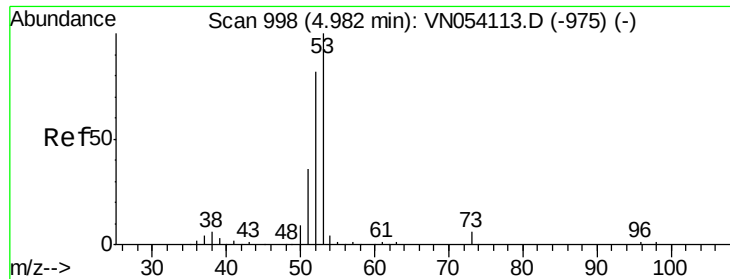
MMDadoda
3/7/2019 11:37:55 AM



#14
Allyl chloride
Concen: 1.069 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.01 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion	41	Resp	11143
Ion Ratio	100	Lower	Upper
39	63.7	49.3	73.9
76	9.9	26.5	39.7#





#15

Acrylonitrile

Concen: 4.465 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

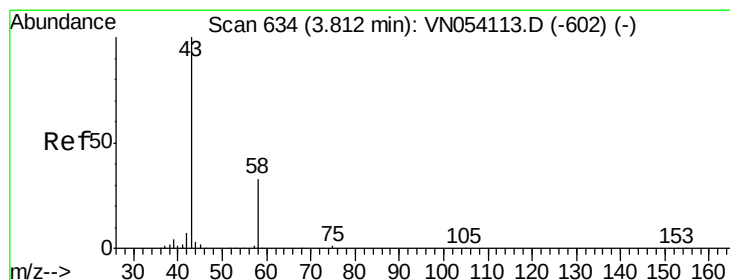
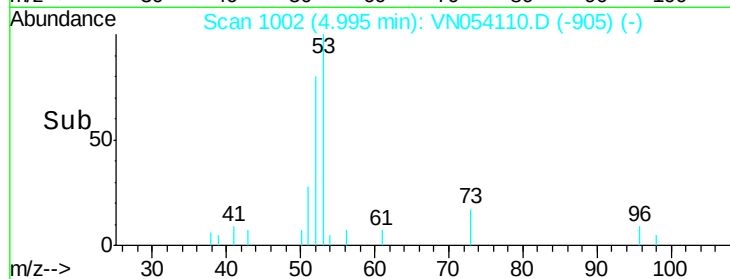
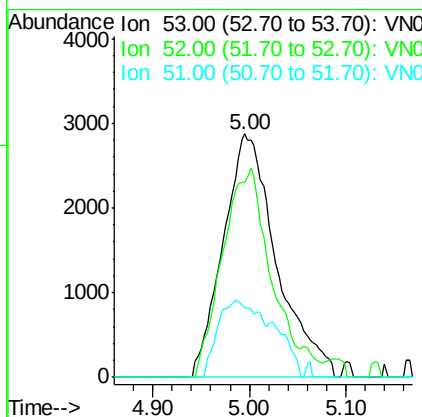
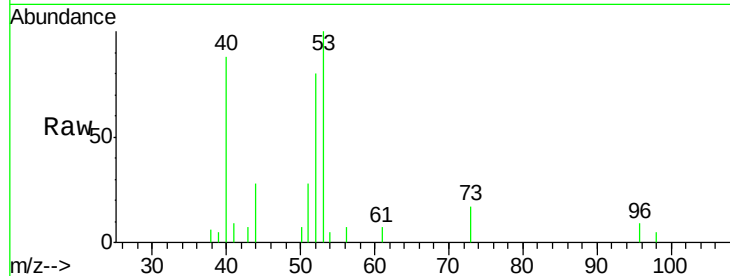
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	11035
Ion	Ratio	Lower	Upper
53	100		
52	76.5	64.6	97.0
51	24.7	28.6	42.8#

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:37:55 AM



#16

Acetone

Concen: 5.639 ug/l

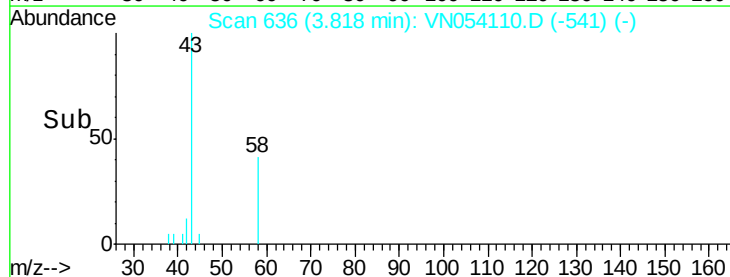
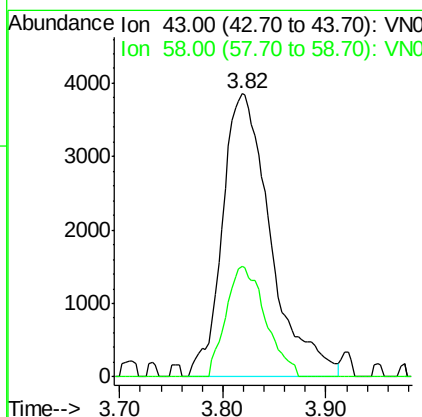
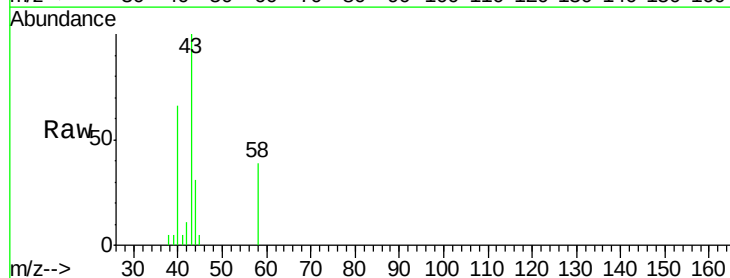
RT: 3.82 min Scan# 636

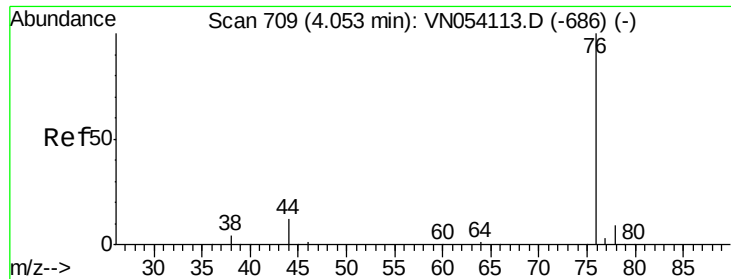
Delta R.T. 0.01 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Tgt Ion:	43	Resp:	12556
Ion	Ratio	Lower	Upper
43	100		
58	39.1	26.5	39.7





#17

Carbon Disulfide

Concen: 1.065 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Tot Ion: 76 Resp: 20092

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

Instrument :

MSVOA_N

ClientSampleId :

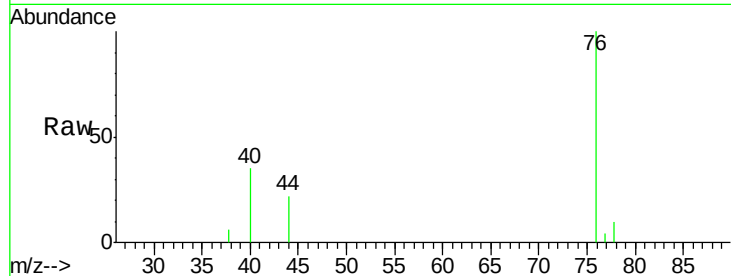
VSTDIC001

Manual Integrations

APPROVED

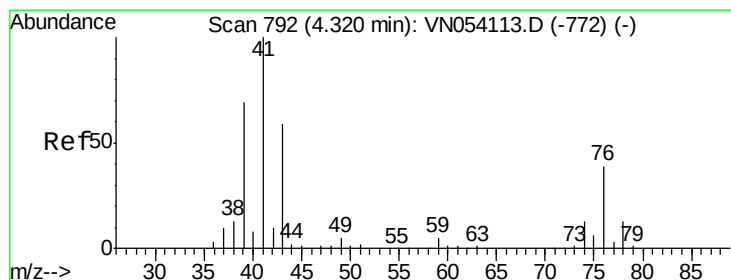
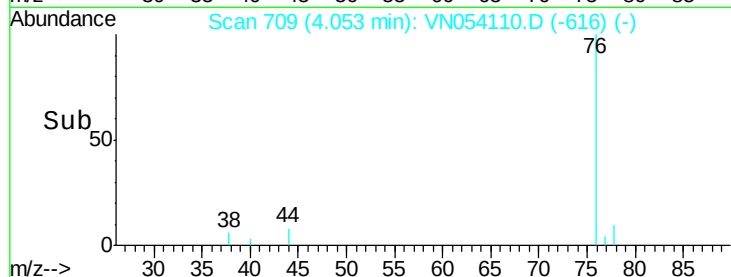
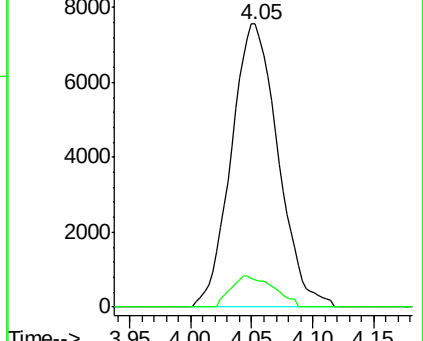
MMDadoda

3/7/2019 11:37:55 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.054 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.02 min

Lab File: VN054110.D

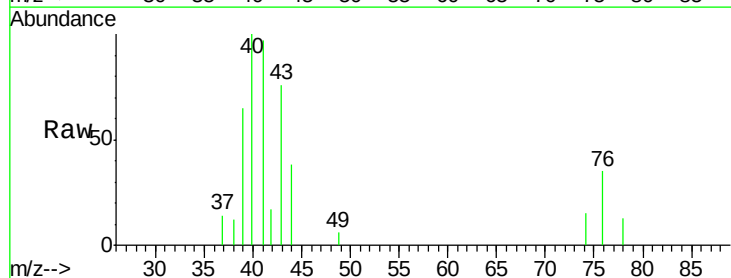
Acq: 6 Mar 2019 10:09

Tgt Ion: 43 Resp: 5982

Ion Ratio Lower Upper

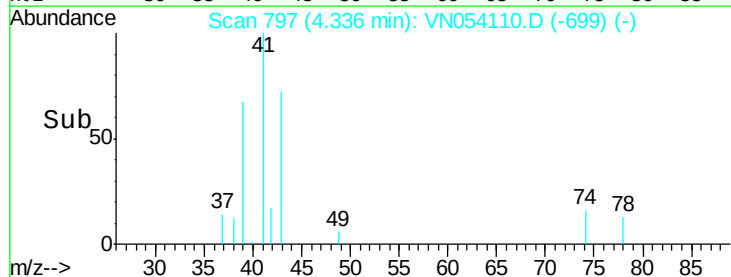
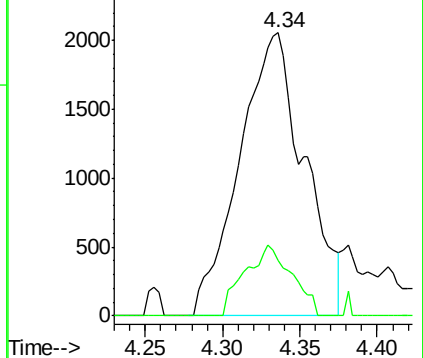
43 100

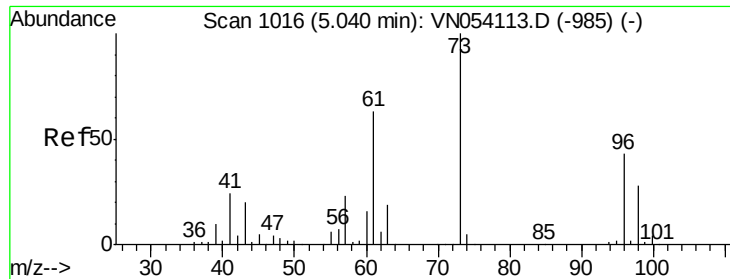
74 18.1 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





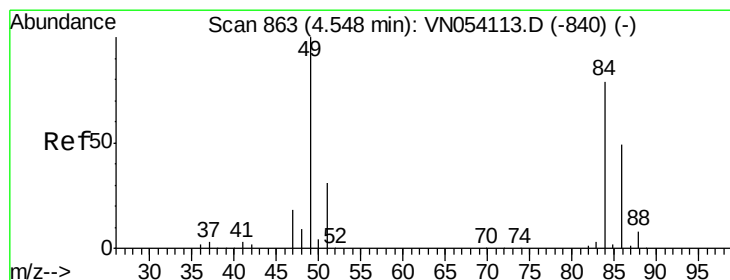
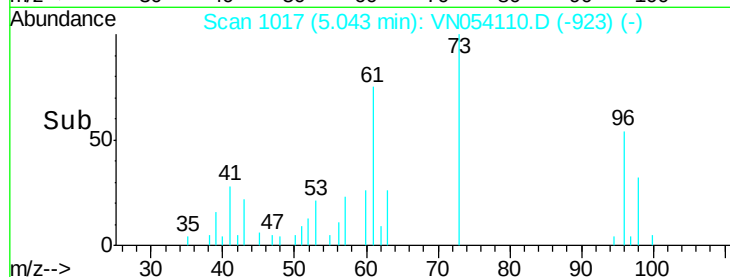
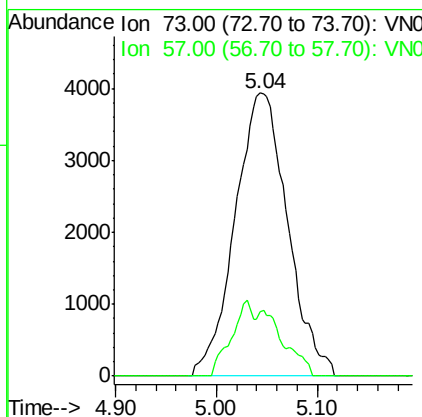
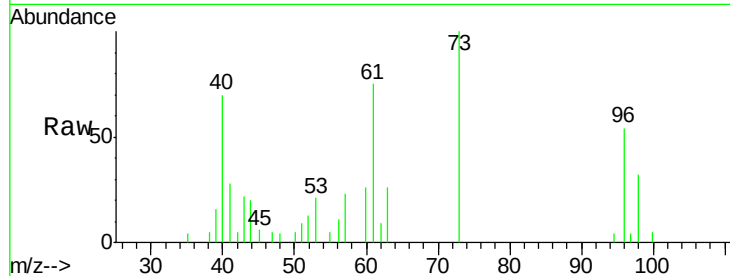
#19
Methyl tert-butyl Ether
Concen: 0.875 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 73 Resp: 14213
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.4

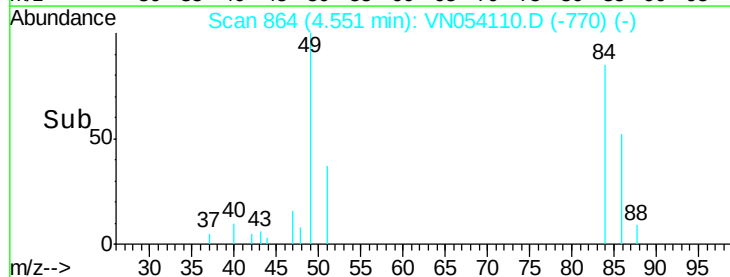
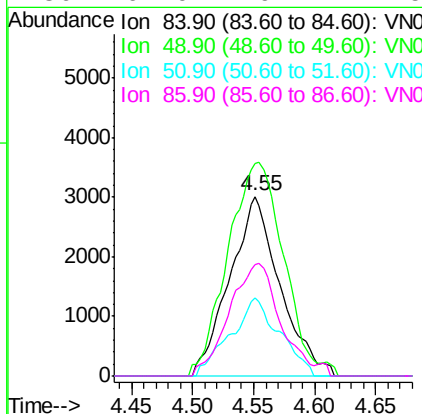
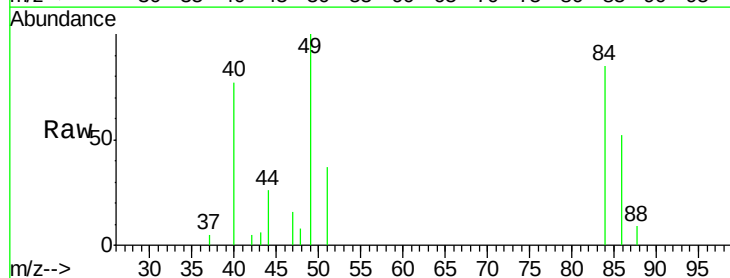
Manual Integrations
APPROVED

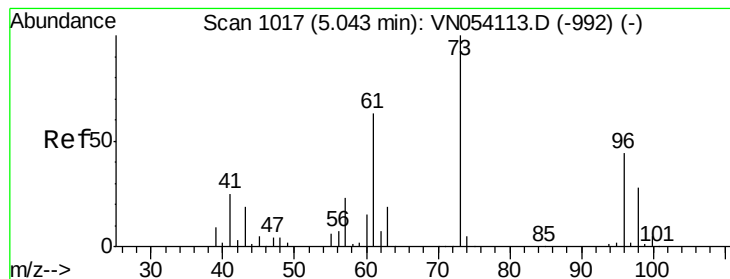
MMDadoda
3/7/2019 11:37:55 AM



#20
Methylene Chloride
Concen: 1.213 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion: 84 Resp: 8583
Ion Ratio Lower Upper
84 100
49 118.3 101.8 152.8
51 43.5 31.1 46.7
86 62.0 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 1.018 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 6469

Ion Ratio Lower Upper

96 100

61 137.4 114.8 172.2

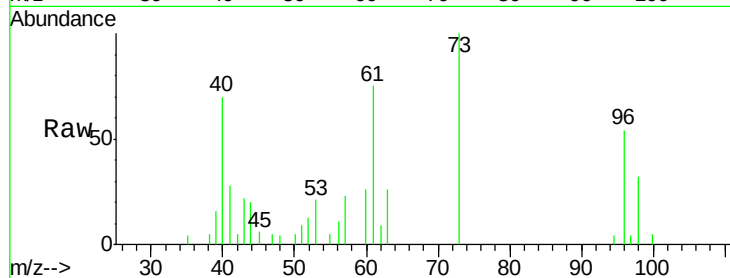
98 59.3 51.4 77.0

Manual Integrations

APPROVED

MMDadoda

3/7/2019 11:37:55 AM

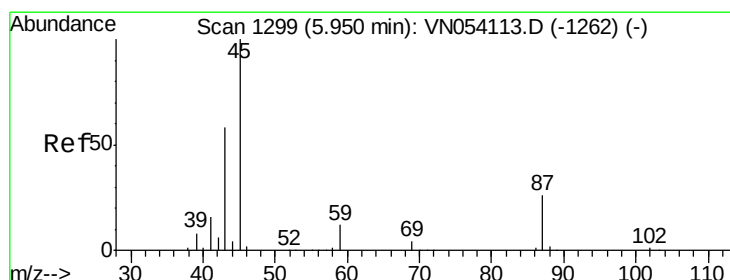
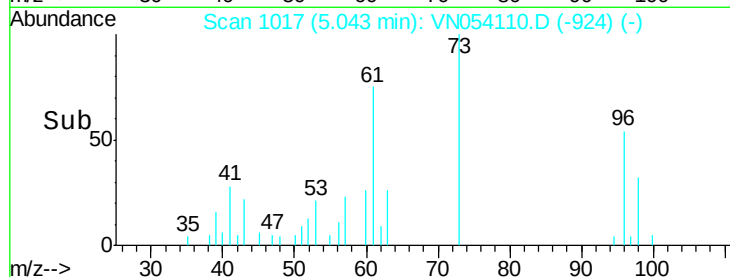
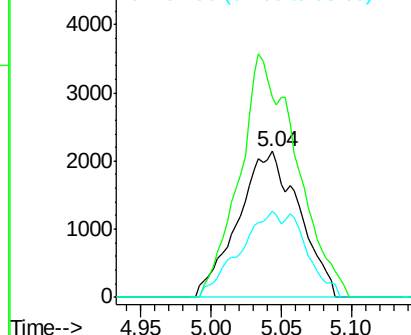


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 0.779 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Tgt Ion: 45 Resp: 15834

Ion Ratio Lower Upper

45 100

43 76.9 46.2 69.4#

87 24.5 20.6 31.0

59 11.2 9.4 14.0

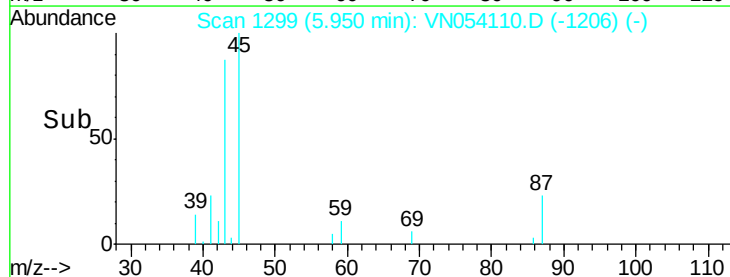
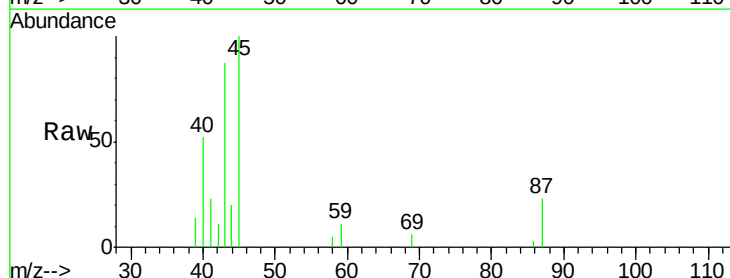
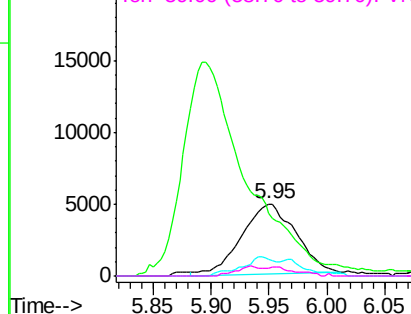
Abundance

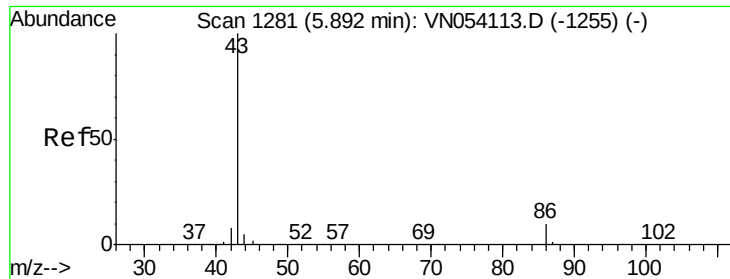
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





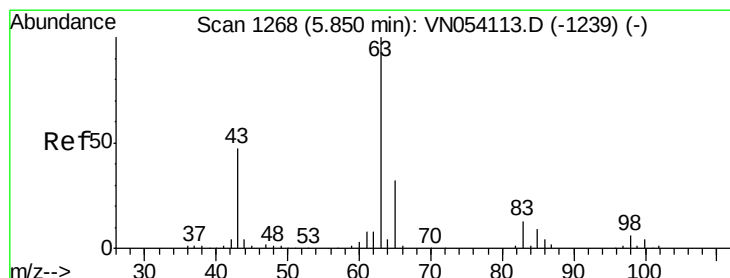
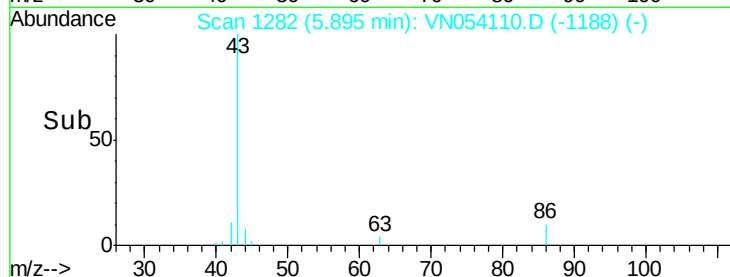
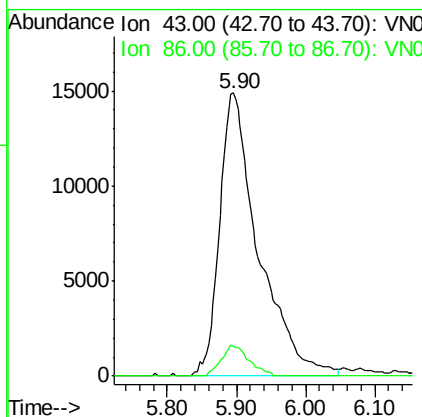
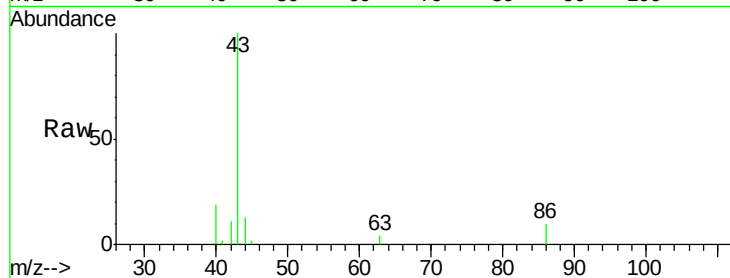
#23
 Vinyl Acetate
 Concen: 4.030 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	43	Resp	58149
Ion Ratio	100	Lower	Upper
86	10.4	7.8	11.8

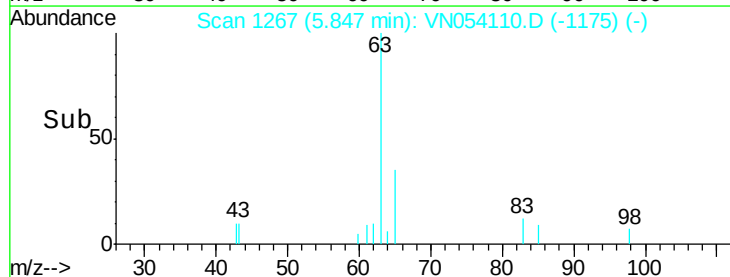
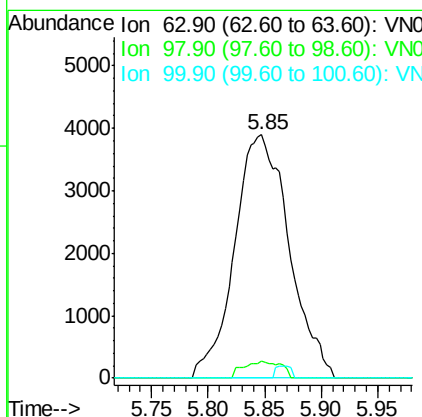
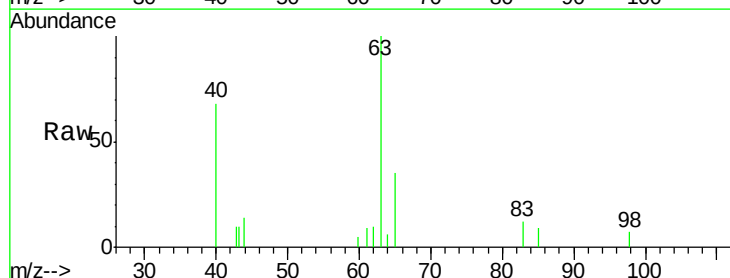
Manual Integrations
 APPROVED

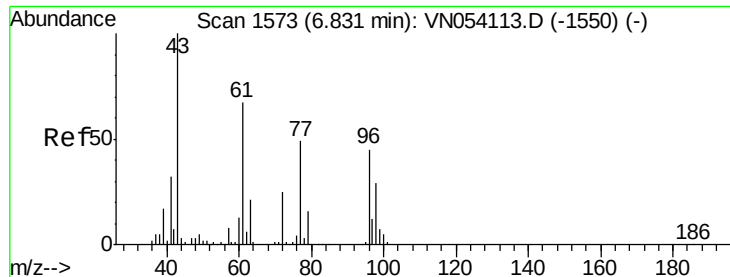
MMDadoda
 3/7/2019 11:37:55 AM



#24
 1,1-Dichloroethane
 Concen: 1.076 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Tgt Ion	63	Resp	13074
Ion Ratio	100	Lower	Upper
98	6.8	3.1	9.4
100	0.0	2.0	6.0#





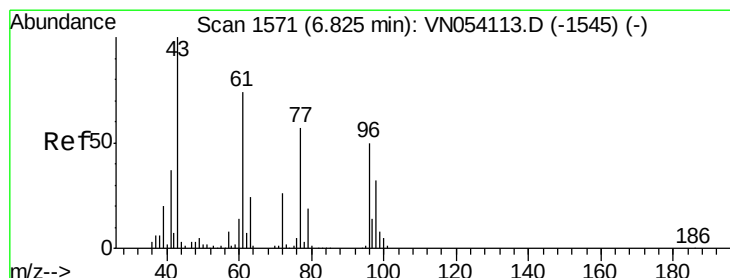
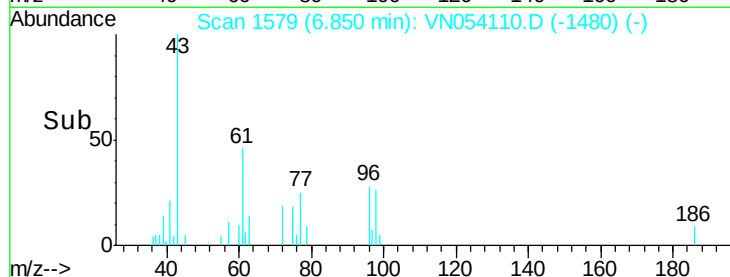
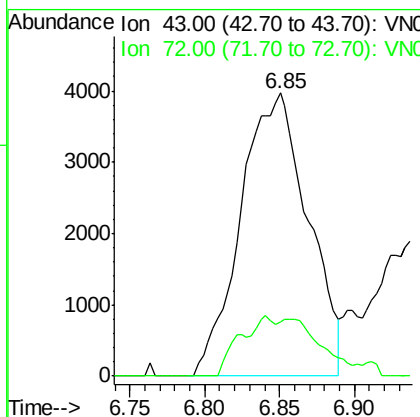
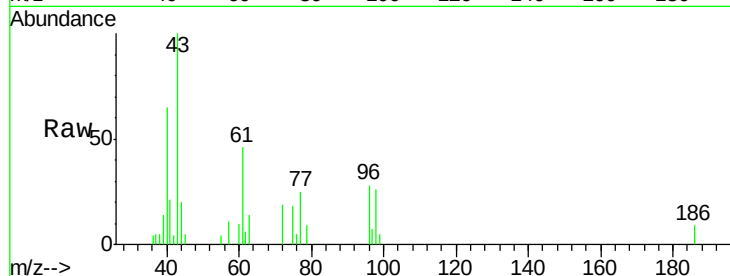
#25
 2-Butanone
 Concen: 4.206 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 43 Resp: 12405
 Ion Ratio Lower Upper
 43 100
 72 19.0 20.2 30.2#

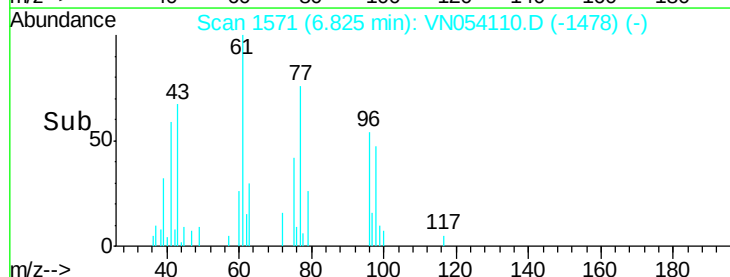
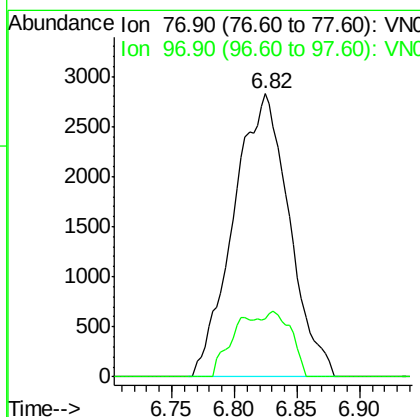
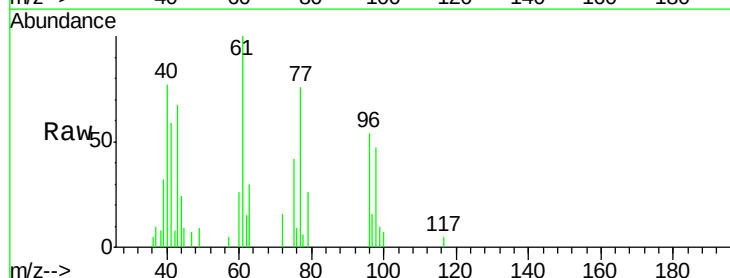
Manual Integrations
 APPROVED

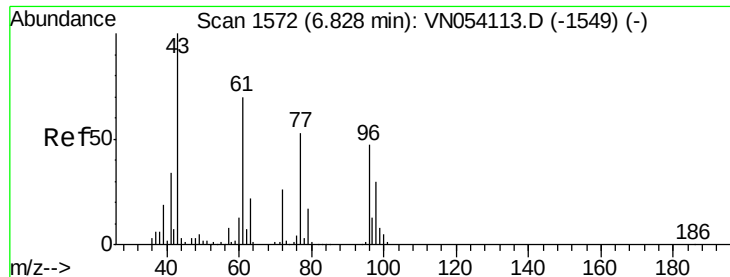
MMDadoda
 3/7/2019 11:37:55 AM



#26
 2,2-Dichloropropane
 Concen: 0.996 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Tgt Ion: 77 Resp: 8729
 Ion Ratio Lower Upper
 77 100
 97 11.9 11.8 35.3





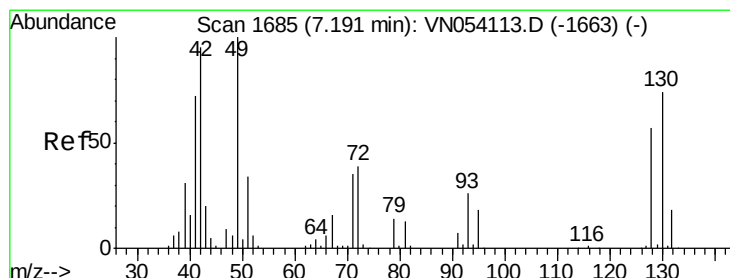
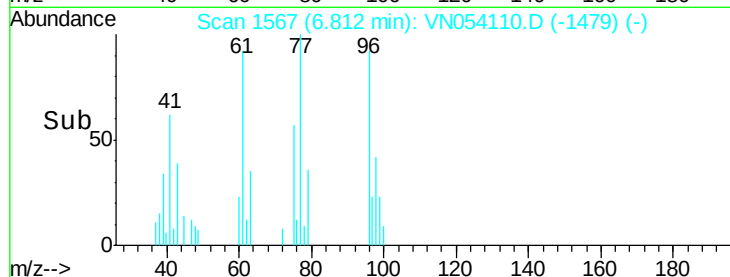
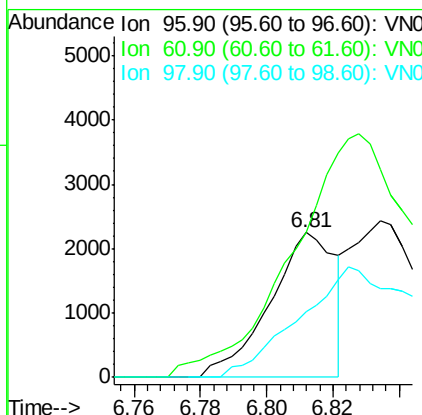
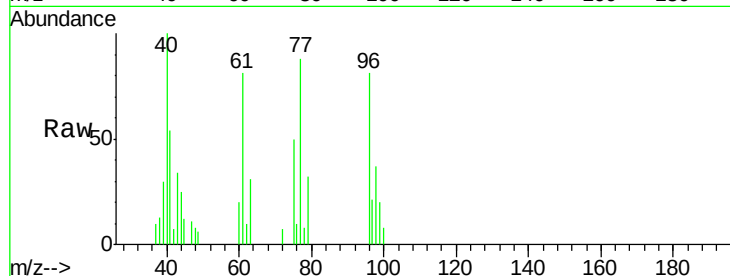
#27
 cis-1,2-Dichloroethene
 Concen: 0.436 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	343.6	0.0	297.0#
98	147.2	0.0	129.4#

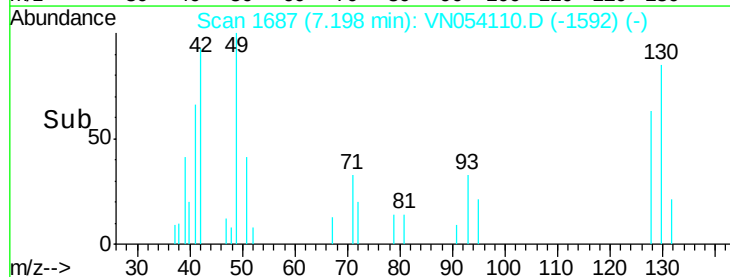
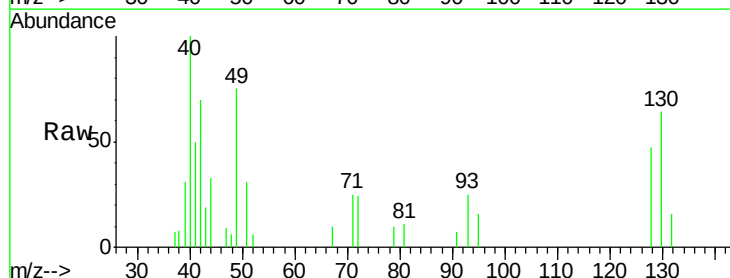
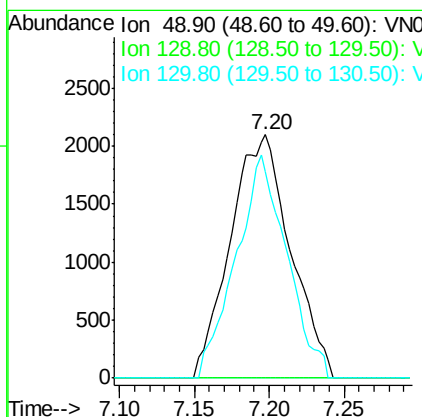
Manual Integrations
 APPROVED

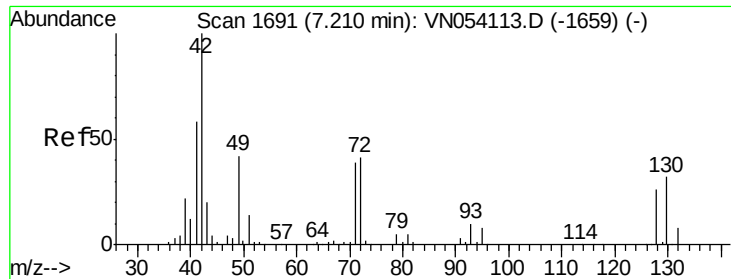
MMDadoda
 3/7/2019 11:37:55 AM



#28
 Bromochloromethane
 Concen: 0.968 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.01 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	77.4	59.4	89.2





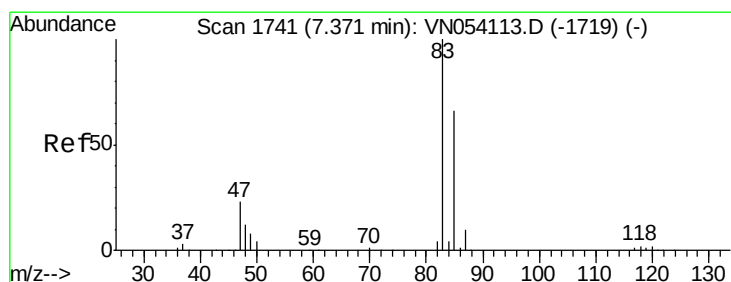
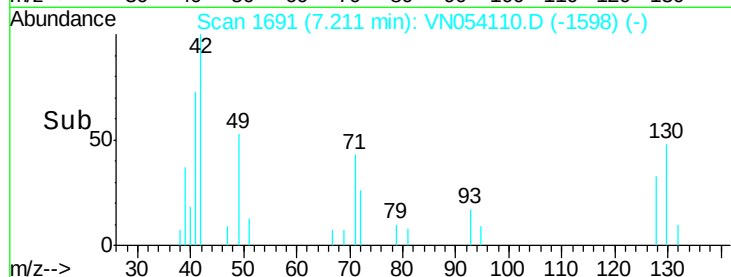
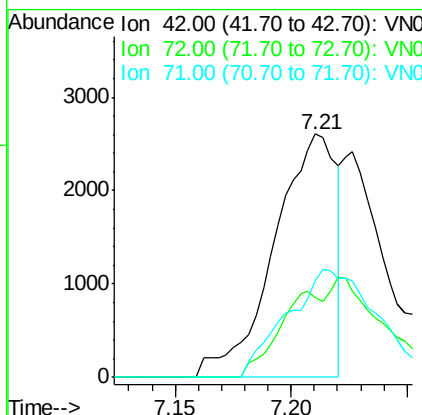
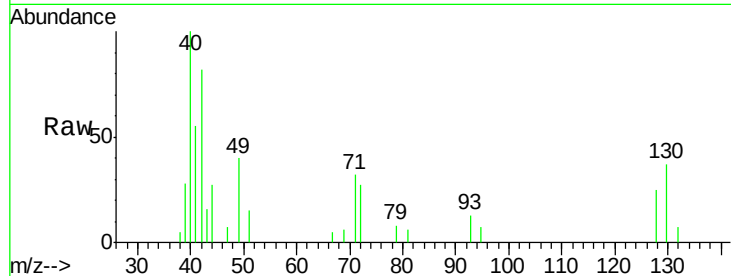
#29
Tetrahydrofuran
Concen: 2.502 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	25.3	32.8	49.2#
71	63.6	30.5	45.7#

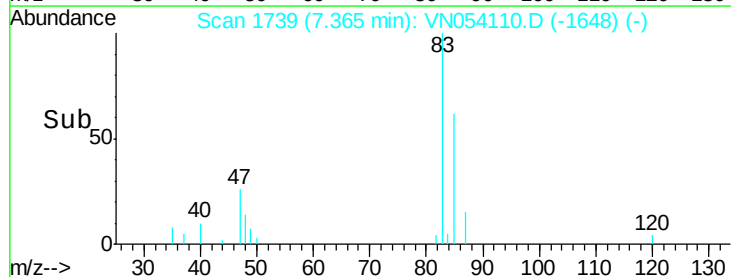
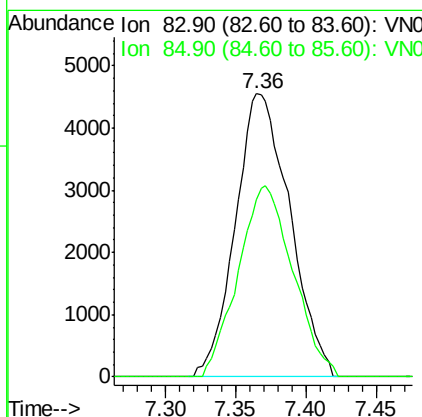
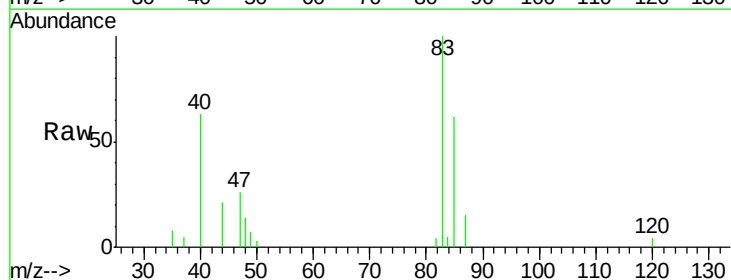
Manual Integrations
APPROVED

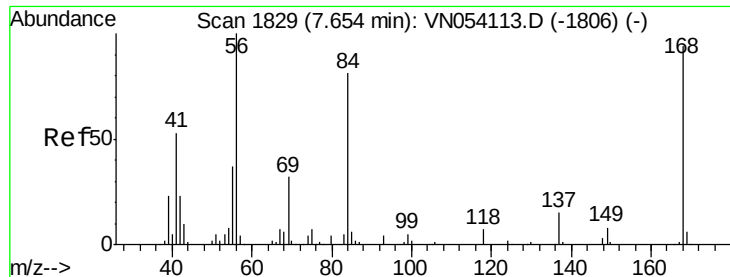
MMDadoda
3/7/2019 11:37:55 AM



#30
Chloroform
Concen: 1.053 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. -0.01 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	53.1	79.7





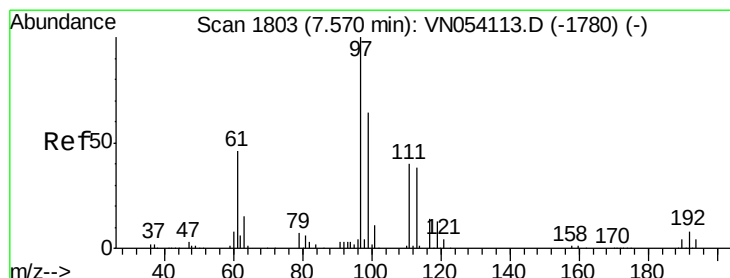
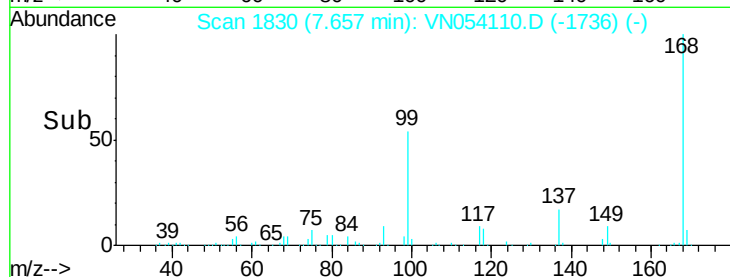
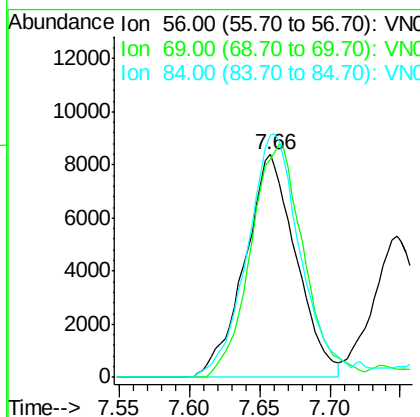
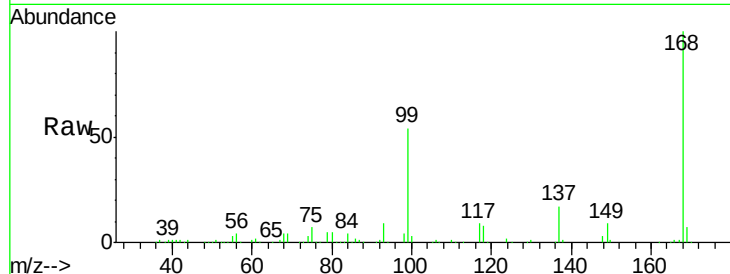
#31
Cyclohexane
Concen: 1.617 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
56	100		
69	98.2	25.5	38.3#
84	109.1	64.5	96.7#

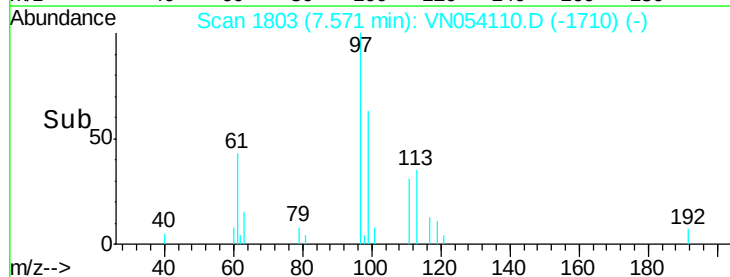
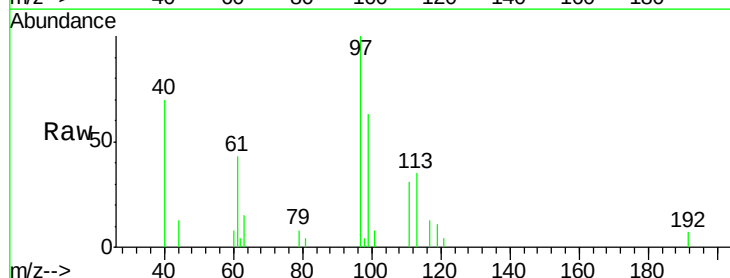
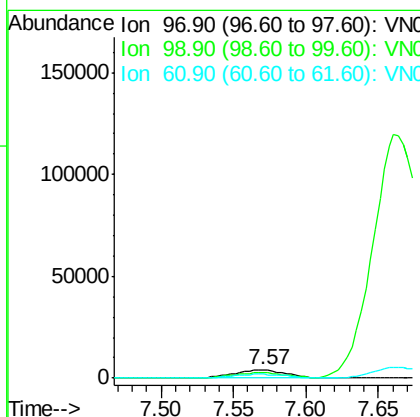
Manual Integrations
APPROVED

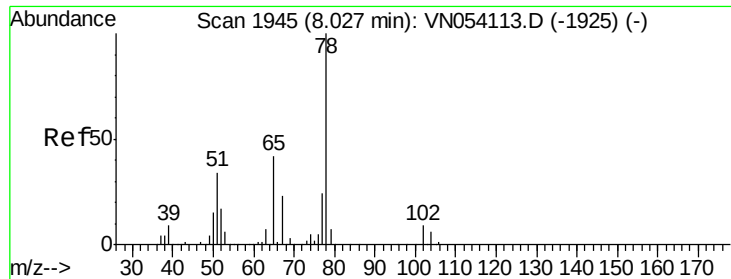
MMDadoda
3/7/2019 11:37:55 AM



#32
1,1,1-Trichloroethane
Concen: 1.056 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	49.2	37.1	55.7





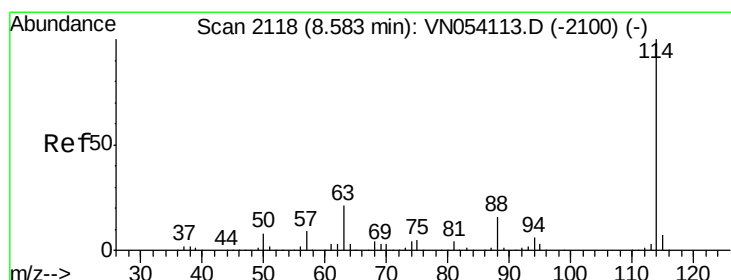
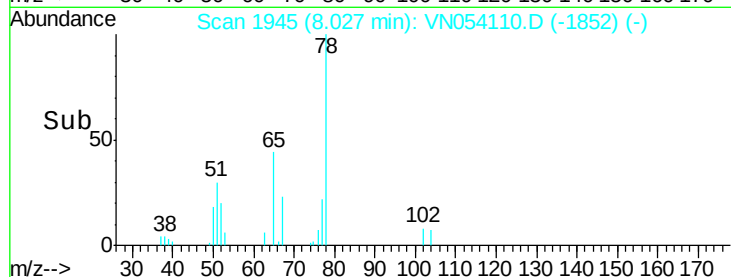
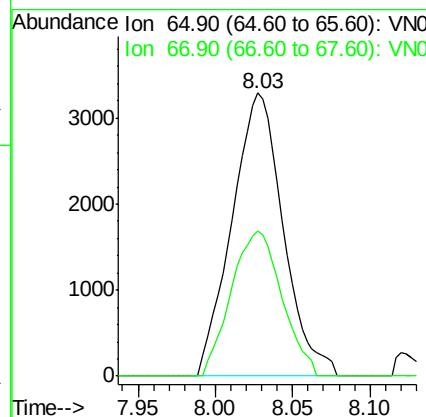
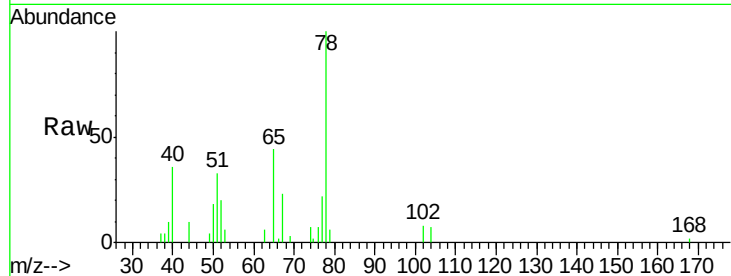
#33
 1,2-Dichloroethane-d4
 Concen: 1.053 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	109.6

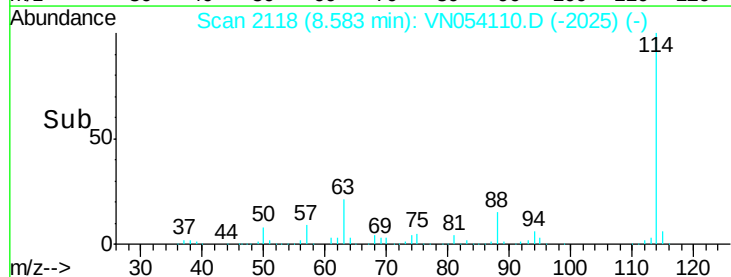
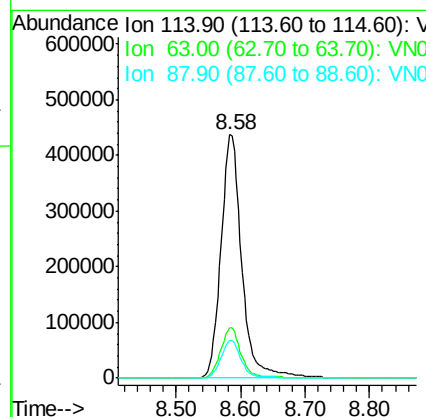
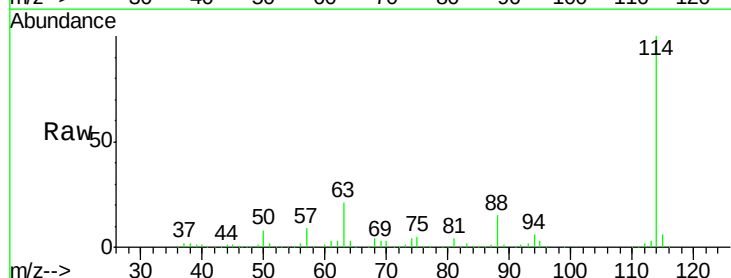
Manual Integrations
 APPROVED

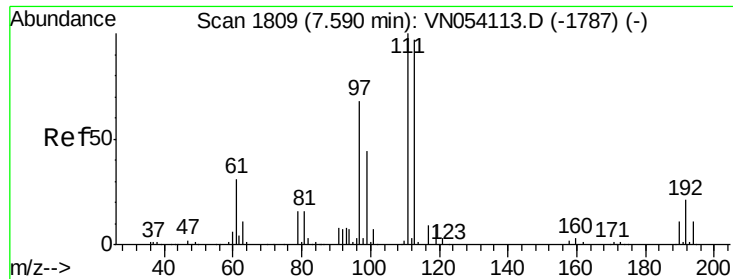
MMDadoda
 3/7/2019 11:37:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	42.6
88	15.4	0.0	31.8





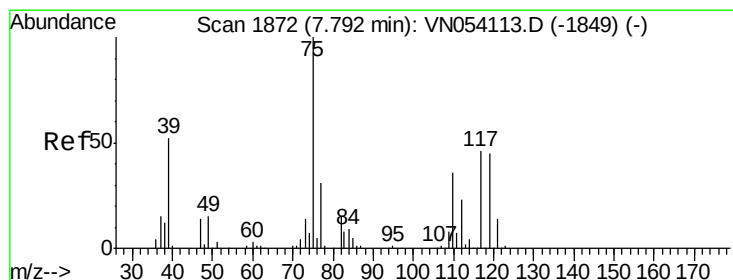
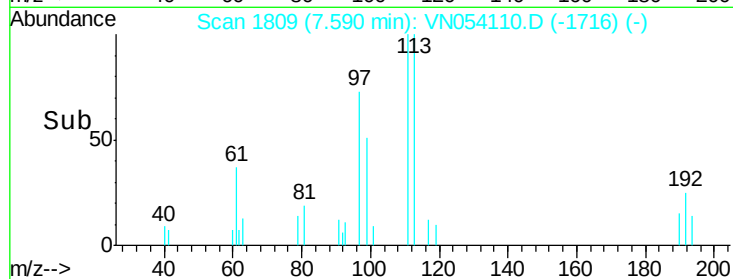
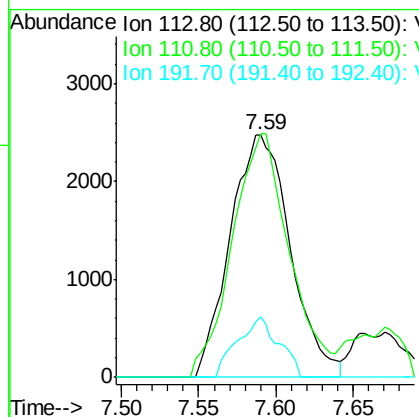
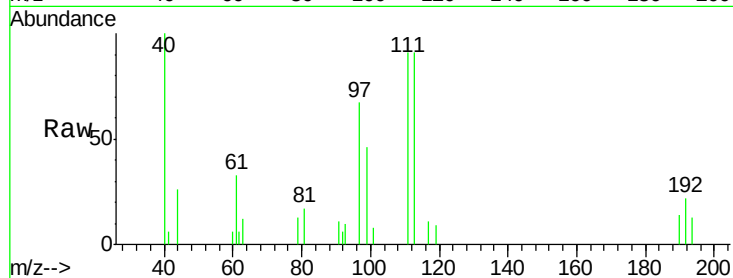
#35
Dibromofluoromethane
Concen: 1.043 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
113	100		
111	95.5	82.1	123.1
192	17.2	17.4	26.0

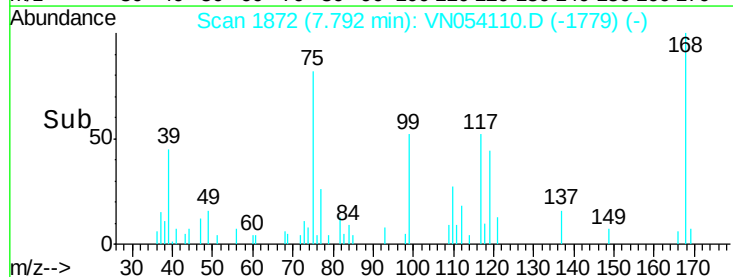
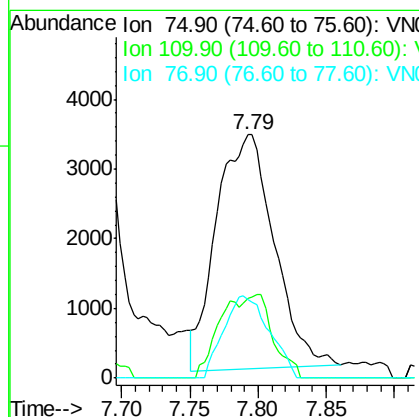
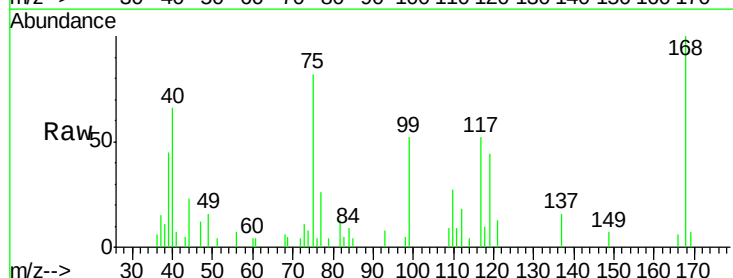
Manual Integrations
APPROVED

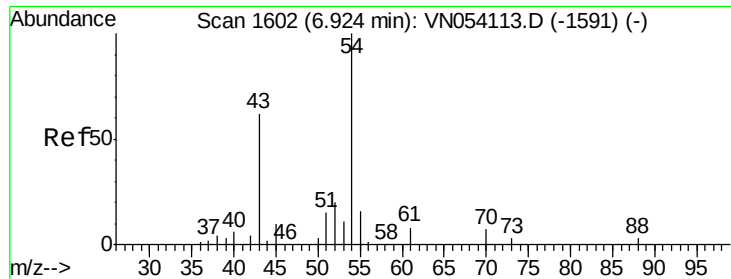
MMDadoda
3/7/2019 11:37:55 AM



#36
1,1-Dichloropropene
Concen: 1.066 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	14.0	18.0	54.0
77	27.6	25.3	37.9





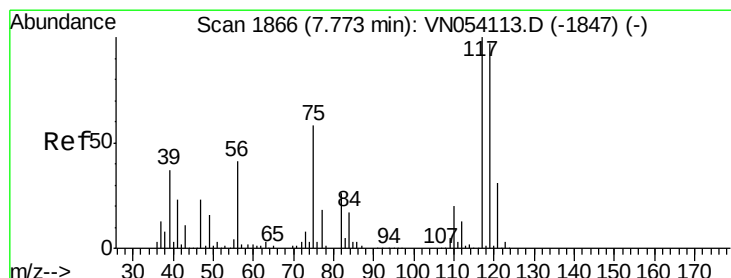
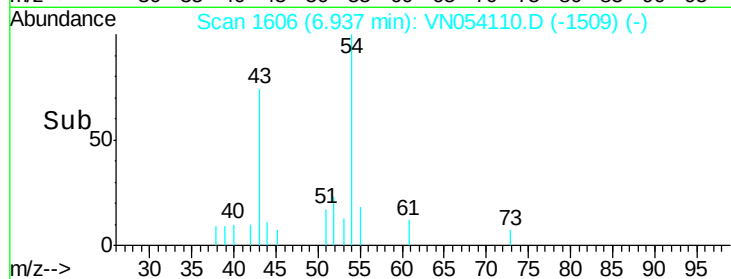
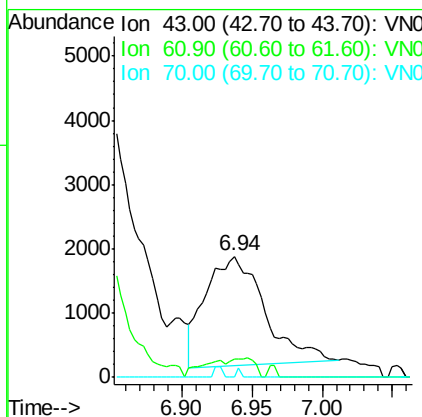
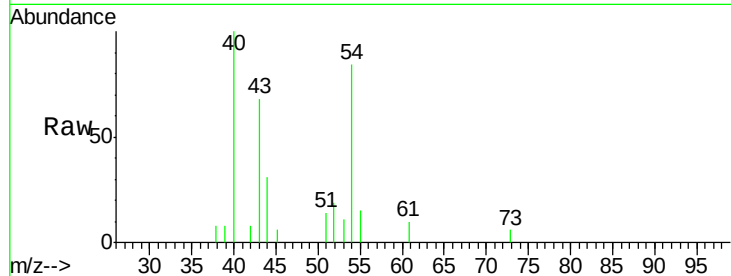
#37
Ethyl Acetate
Concen: 0.747 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.6	7.6	11.4#

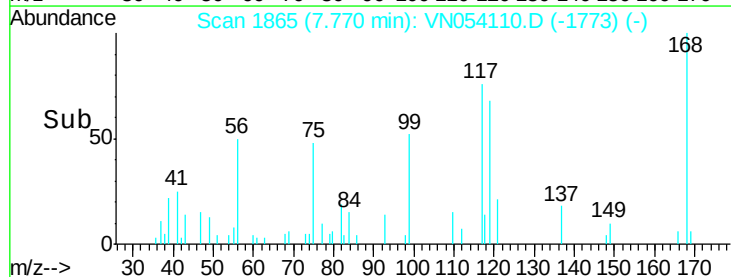
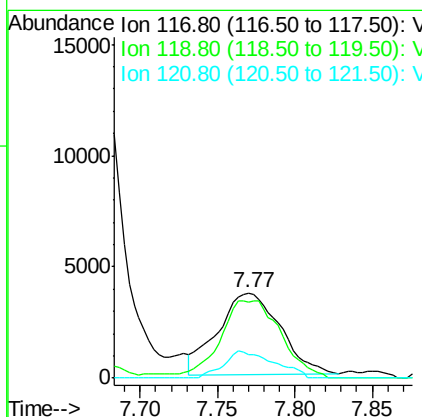
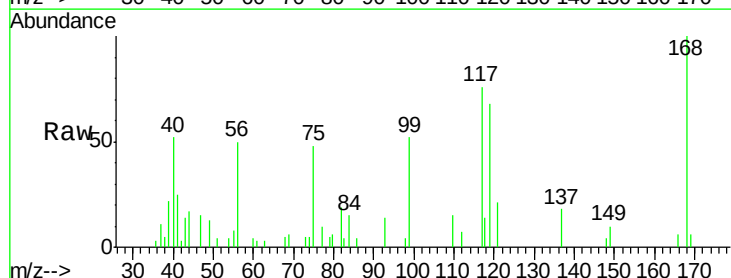
Manual Integrations
APPROVED

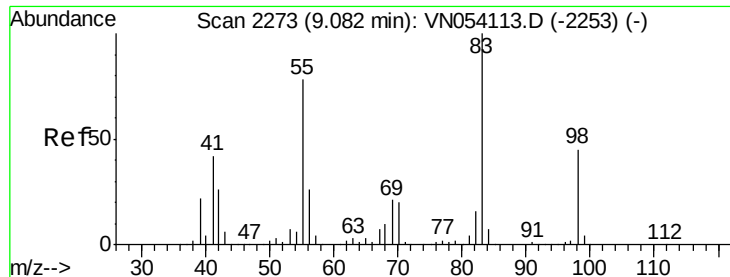
MMDadoda
3/7/2019 11:37:55 AM



#38
Carbon Tetrachloride
Concen: 1.152 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.0	115.6
121	28.9	24.3	36.5





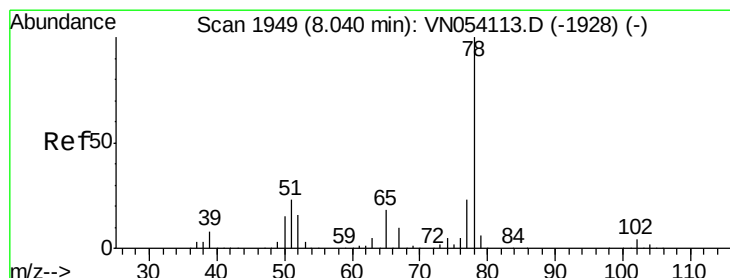
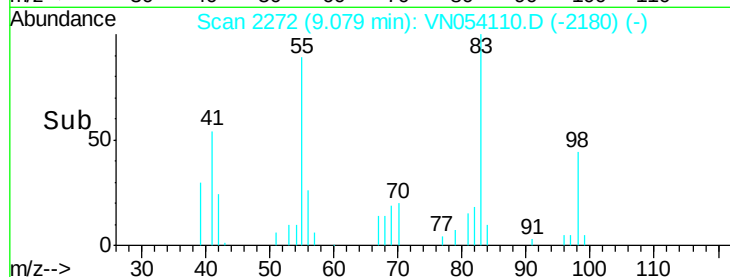
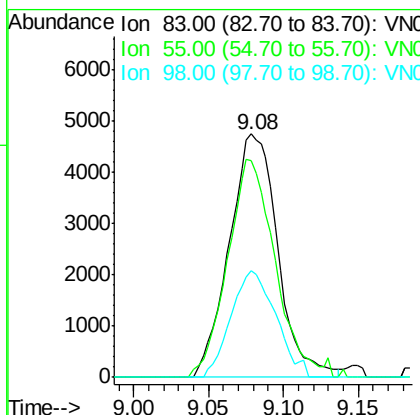
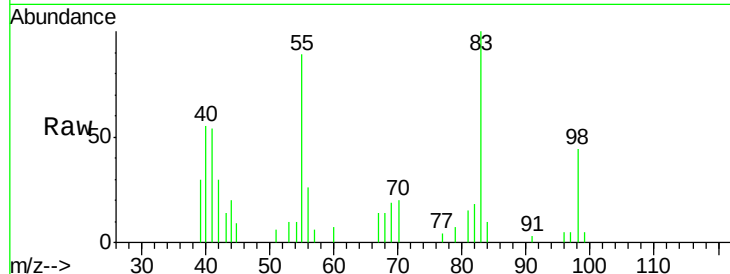
#39
Methylvlcyclohexane
Concen: 1.004 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	83	Resp	10732
Ion Ratio	100	Lower	Upper
83	100		
55	88.9	62.1	93.1
98	43.6	36.0	54.0

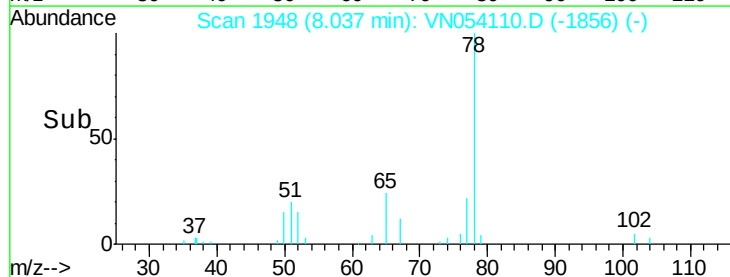
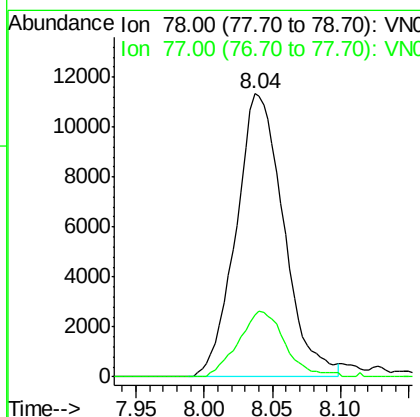
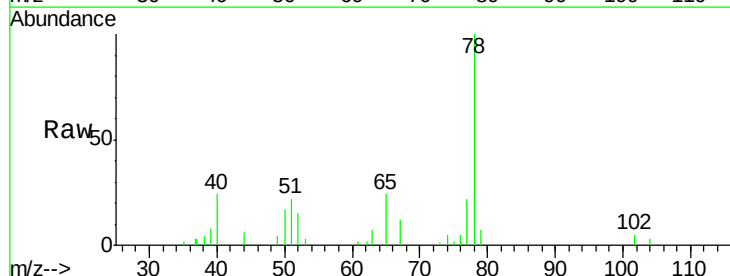
Manual Integrations
APPROVED

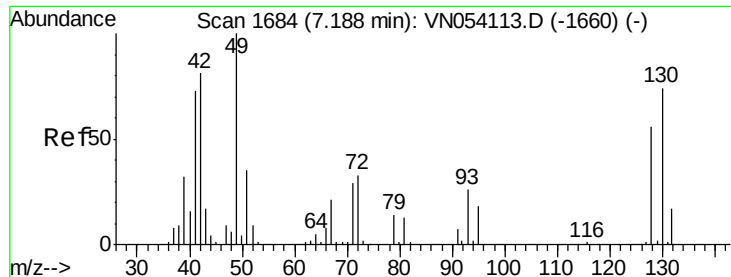
MMDadoda
3/7/2019 11:37:55 AM



#40
Benzene
Concen: 1.002 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion	78	Resp	27455
Ion Ratio	100	Lower	Upper
78	100		
77	21.8	18.7	28.1





#41

Methacrylonitrile

Concen: 0.698 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 41 Resp: 2818

Ion Ratio Lower Upper

41 100

39 48.5 0.0 0.0#

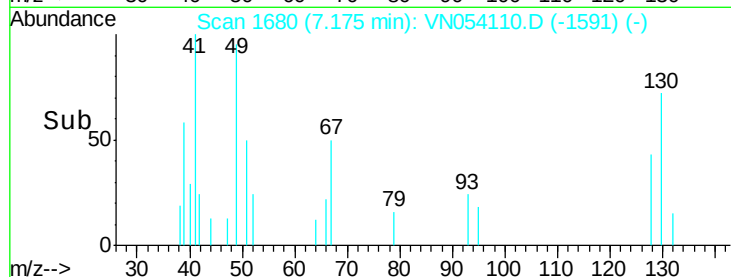
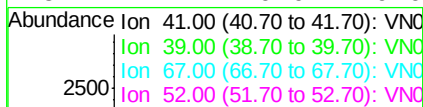
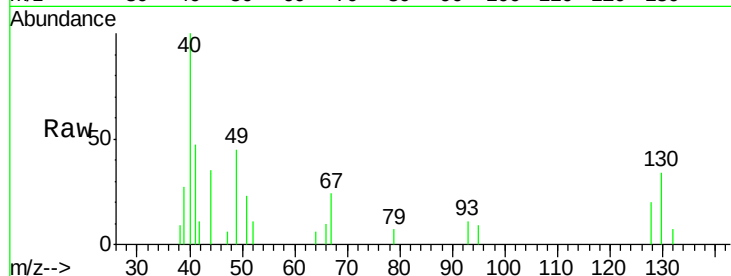
67 57.6 0.0 0.0#

52 21.1 0.0 0.0#

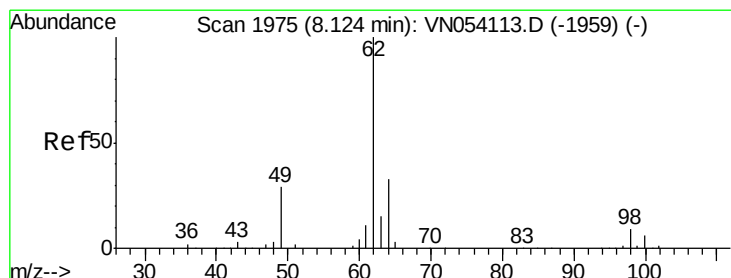
Manual Integrations
APPROVED

MMDadoda

3/7/2019 11:37:55 AM



Time-->



#42

1,2-Dichloroethane

Concen: 1.061 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054110.D

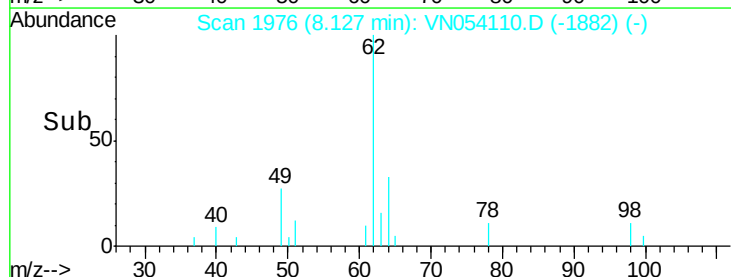
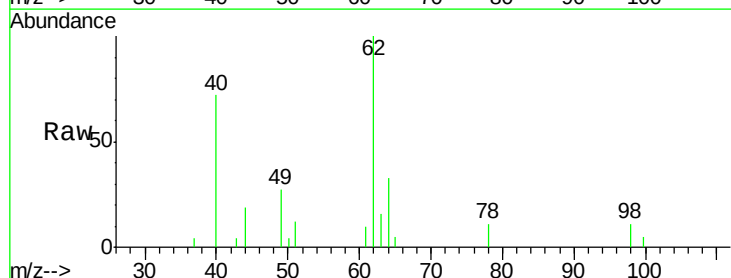
Acq: 6 Mar 2019 10:09

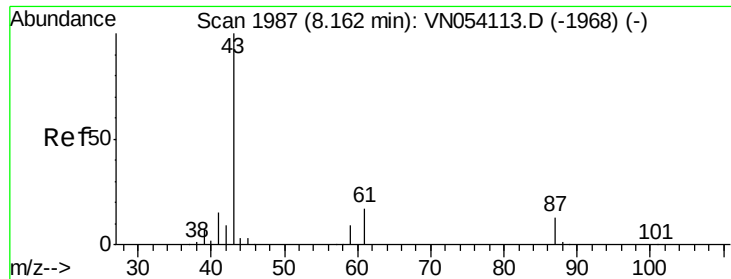
Tgt Ion: 62 Resp: 9210

Ion Ratio Lower Upper

62 100

98 5.1 0.0 18.6





#43

Isopropyl Acetate

Concen: 0.869 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

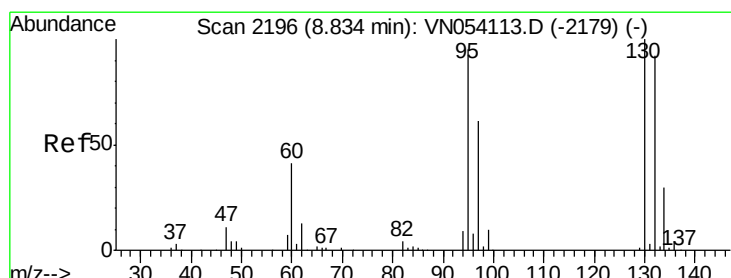
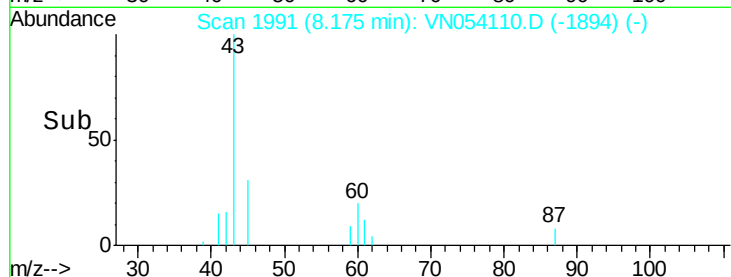
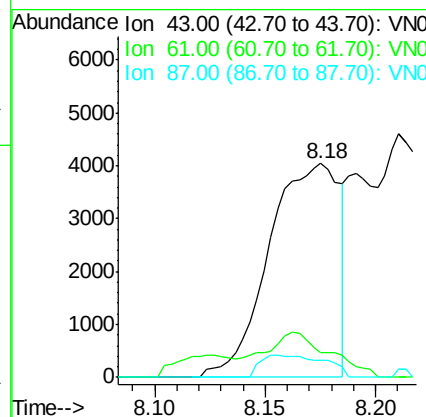
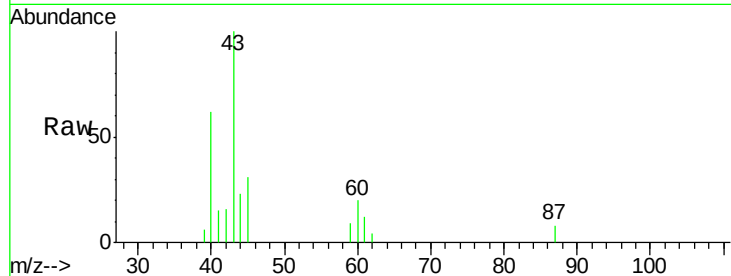
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	8967
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.5	33.7#
87	0.0	10.1	15.1#

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:37:55 AM



#44

Trichloroethene

Concen: 1.048 ug/l

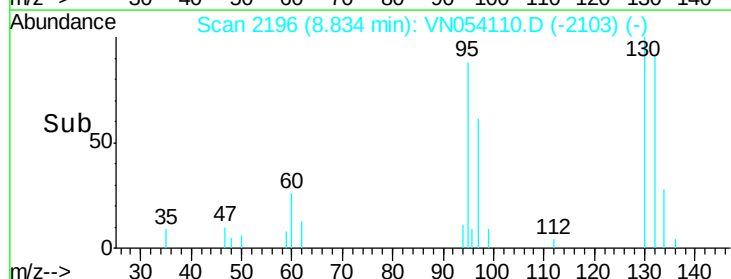
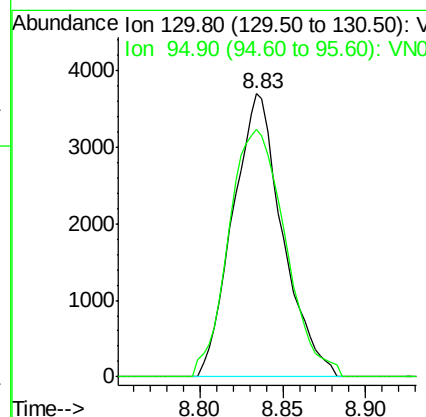
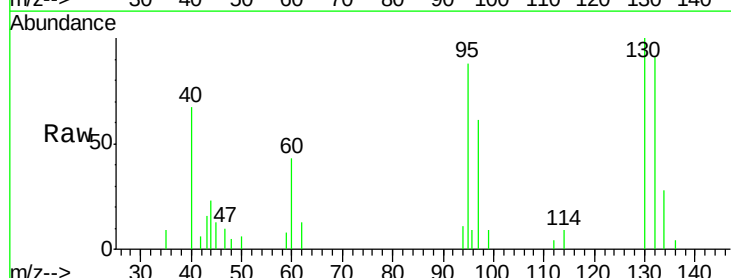
RT: 8.83 min Scan# 2196

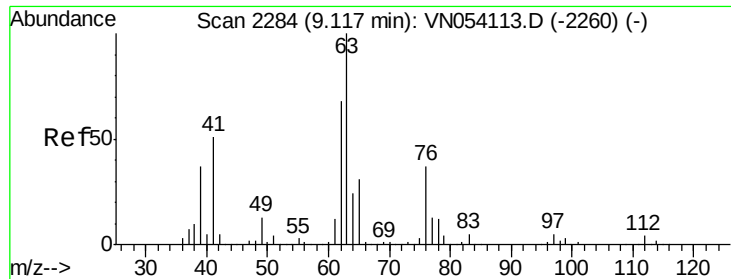
Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Tgt Ion:	130	Resp:	7699
Ion	Ratio	Lower	Upper
130	100		
95	87.7	0.0	189.4





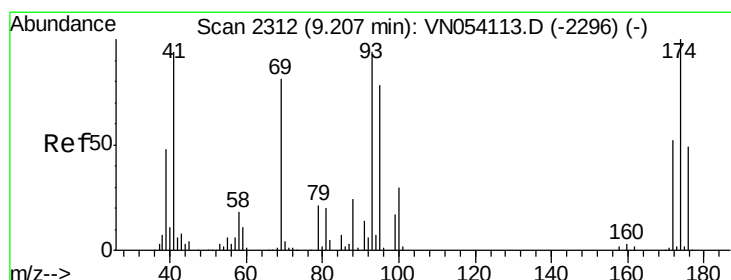
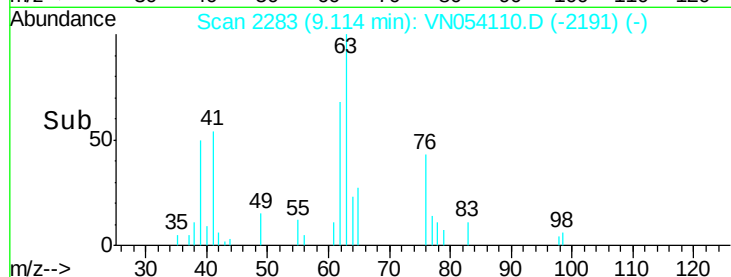
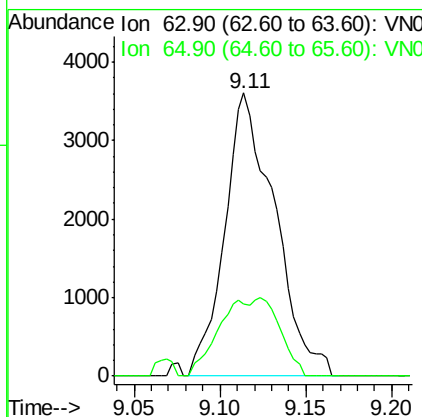
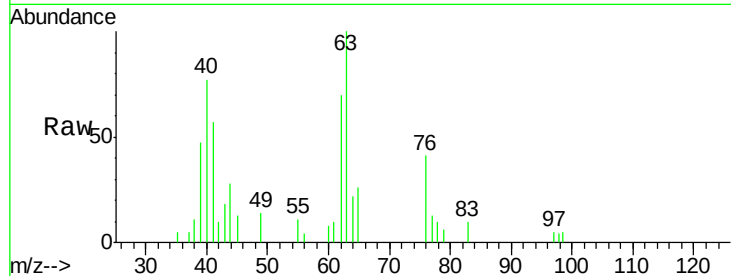
#45
 1,2-Dichloropropane
 Concen: 0.971 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 7335
 Ion Ratio Lower Upper
 63 100
 65 25.6 24.6 36.8

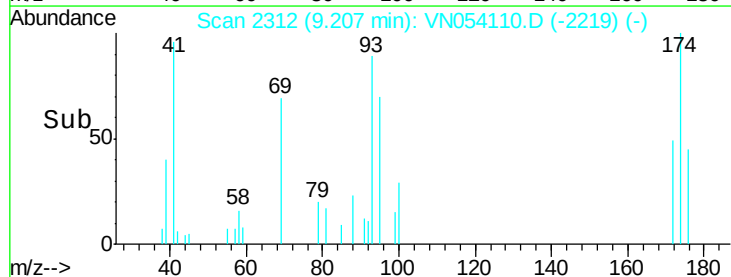
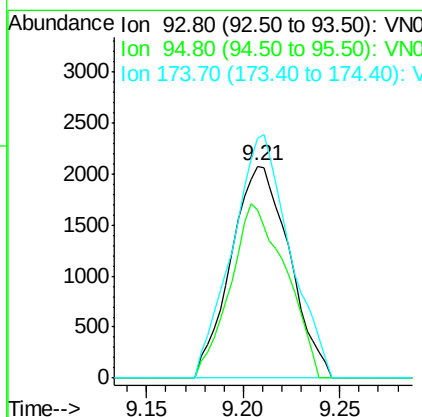
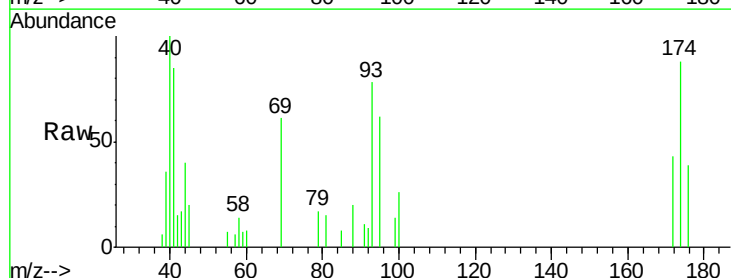
Manual Integrations
 APPROVED

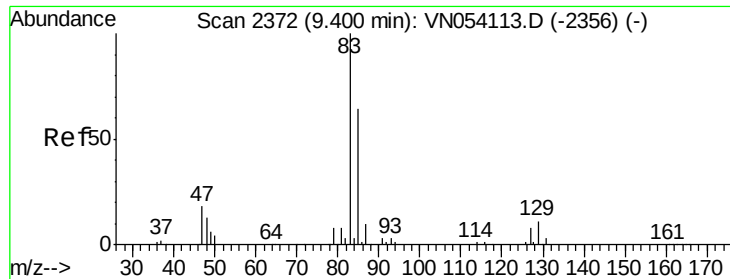
MMDadoda
 3/7/2019 11:37:55 AM



#46
 Dibromomethane
 Concen: 1.009 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Tgt Ion: 93 Resp: 4355
 Ion Ratio Lower Upper
 93 100
 95 78.0 66.1 99.1
 174 113.3 86.1 129.1





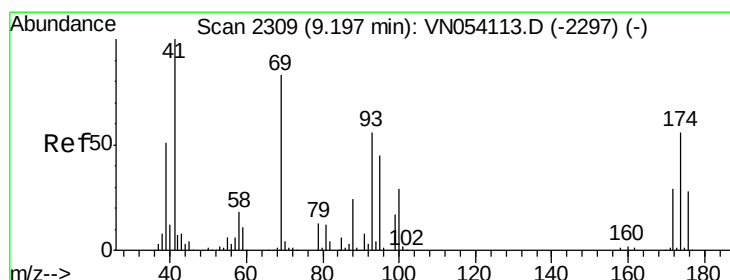
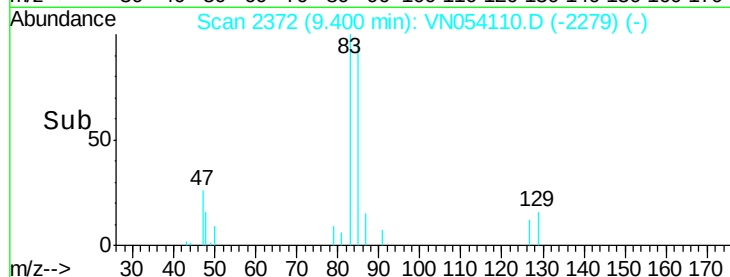
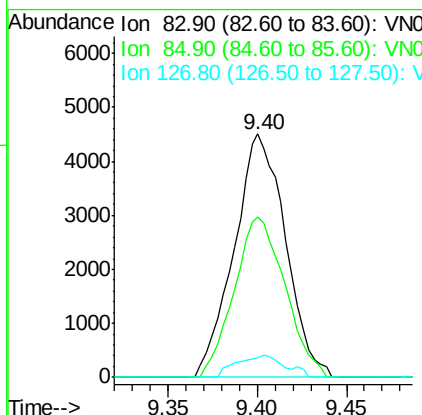
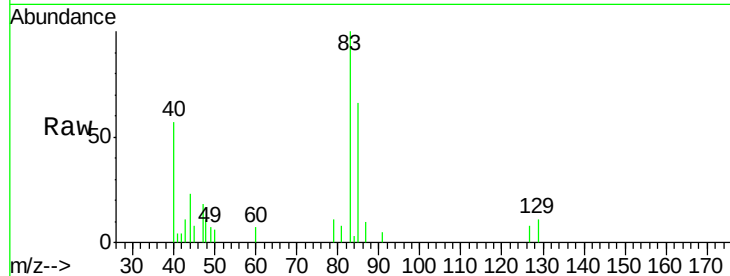
#47
Bromodichloromethane
Concen: 1.000 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	9030
Ion Ratio	100		
83	100		
85	65.7	51.0	76.4
127	8.0	6.5	9.7

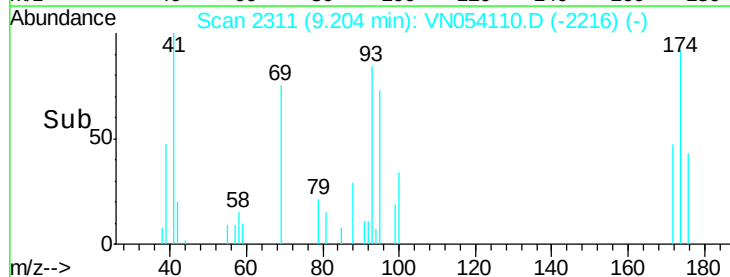
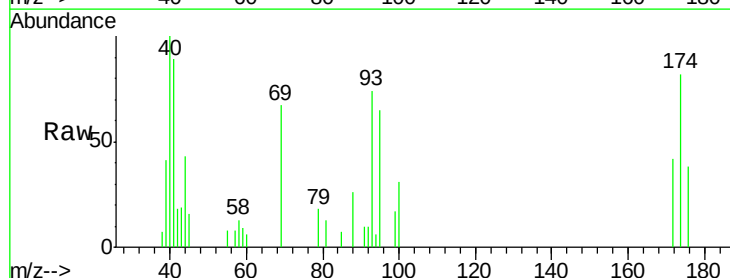
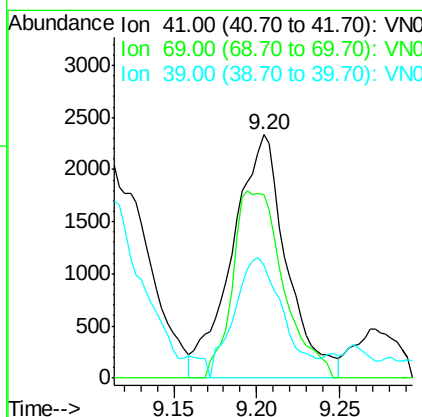
Manual Integrations
APPROVED

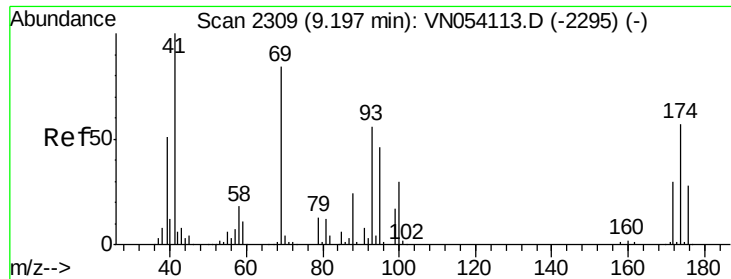
MMDadoda
3/7/2019 11:37:55 AM



#48
Methyl methacrylate
Concen: 1.038 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion	41	Resp	5291
Ion Ratio	100		
41	100		
69	72.1	71.0	106.4
39	45.6	43.7	65.5





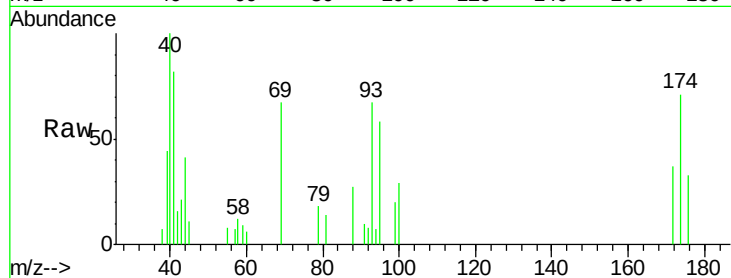
#49
1,4-Dioxane
Concen: 19.454 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

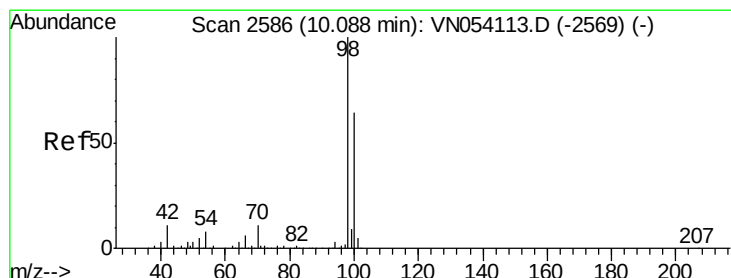
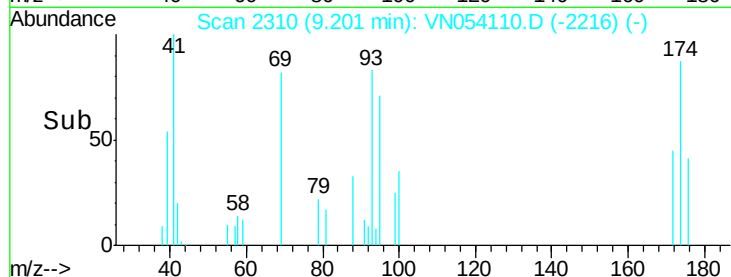
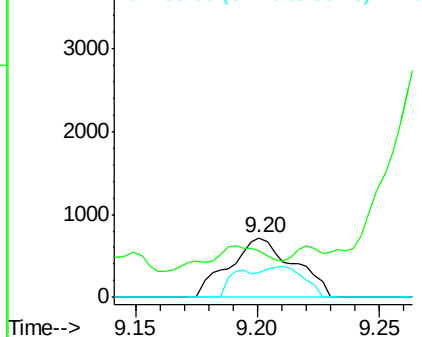
Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	25.5	38.3#
58	17.3	58.3	87.5#

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:37:55 AM

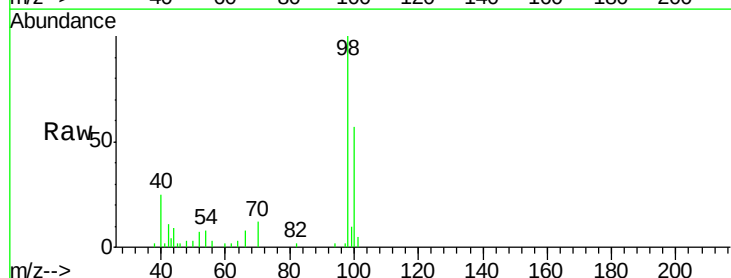


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

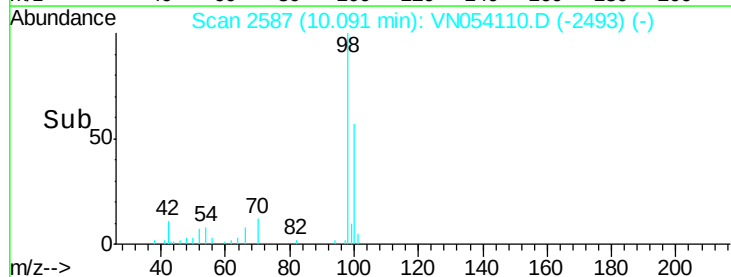
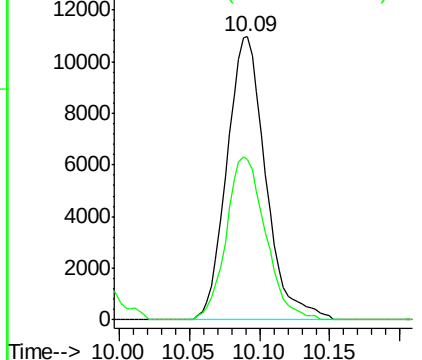


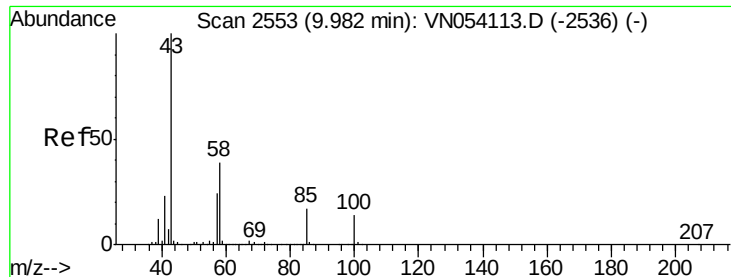
#50
Toluene-d8
Concen: 0.867 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	58.3	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 3.685 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 21788

Ion Ratio Lower Upper

43 100

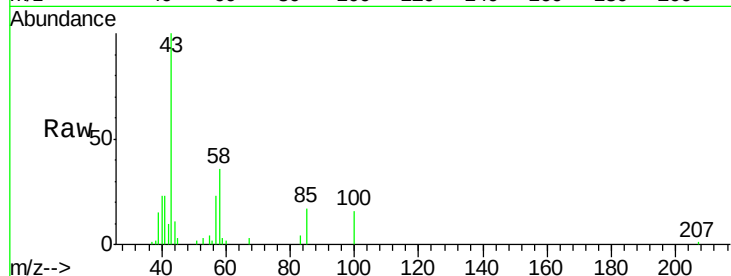
58 37.1 30.8 46.2

Manual Integrations

APPROVED

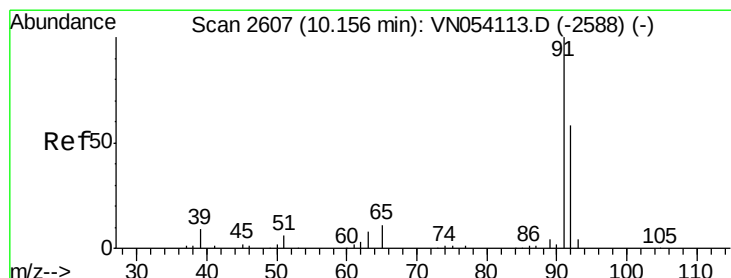
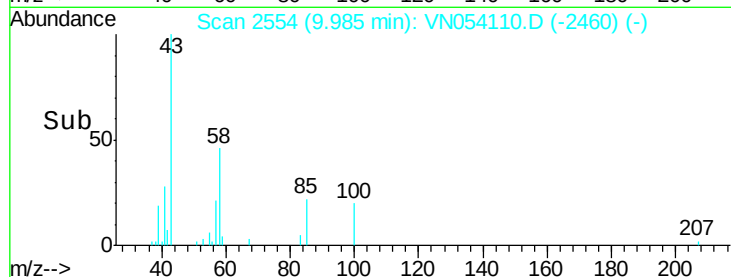
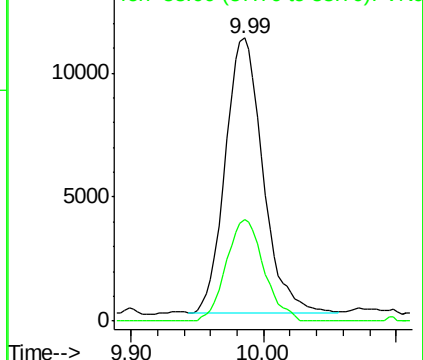
MMDadoda

3/7/2019 11:37:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.924 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054110.D

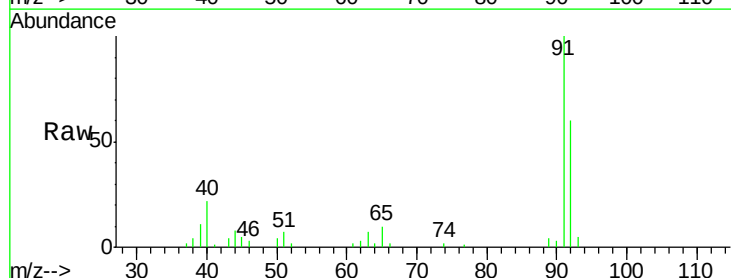
Acq: 6 Mar 2019 10:09

Tgt Ion: 92 Resp: 14993

Ion Ratio Lower Upper

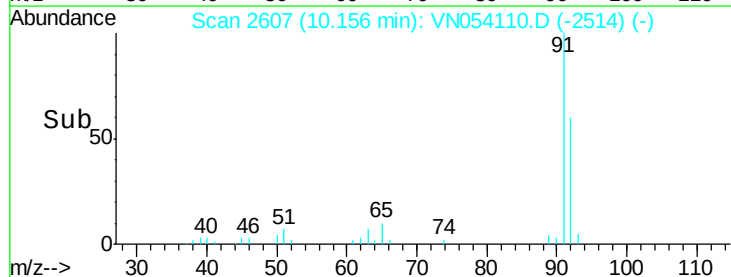
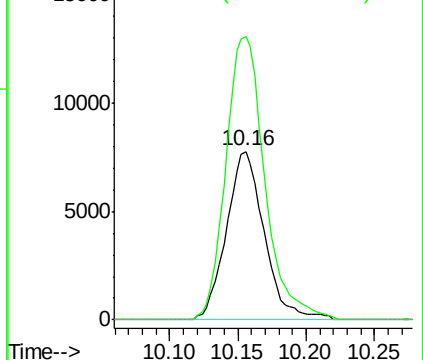
92 100

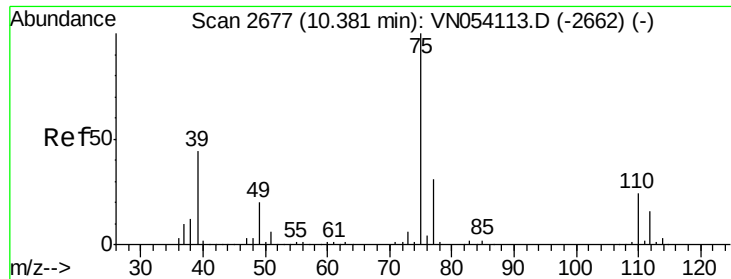
91 173.5 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 0.852 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 7590

Ion Ratio Lower Upper

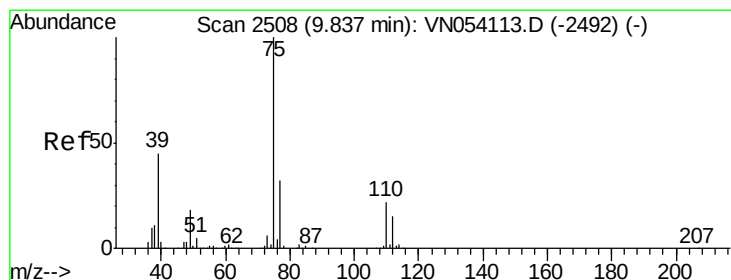
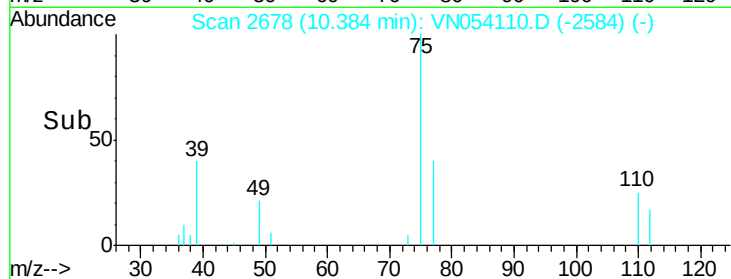
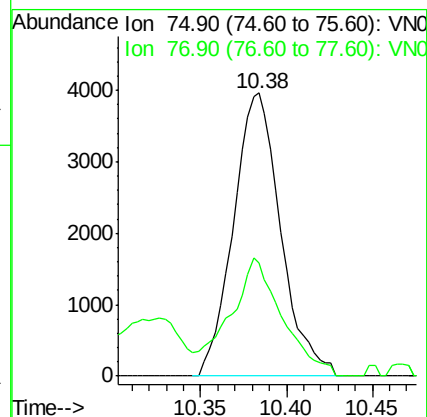
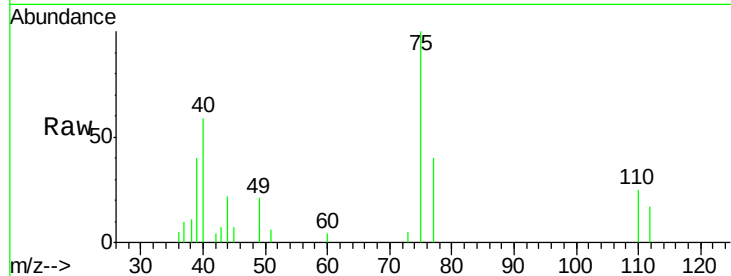
75 100

77 40.0 24.9 37.3#

Manual Integrations
APPROVED

MMDadoda

3/7/2019 11:37:55 AM



#54

cis-1,3-Dichloropropene

Concen: 0.839 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

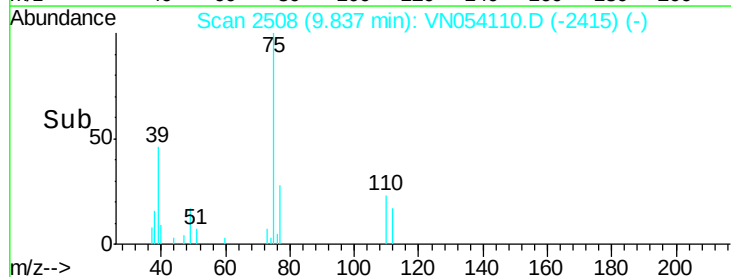
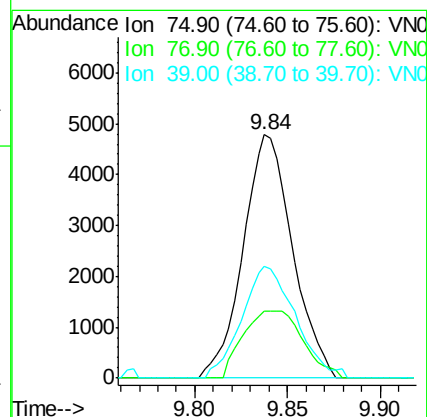
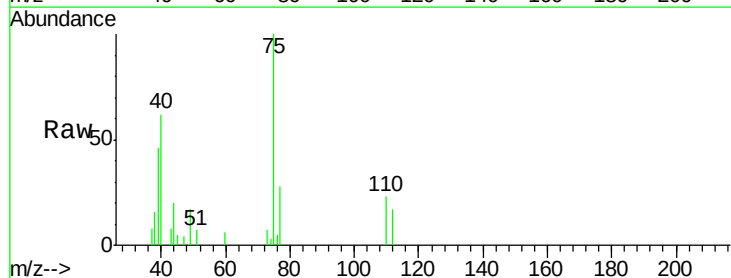
Tgt Ion: 75 Resp: 8830

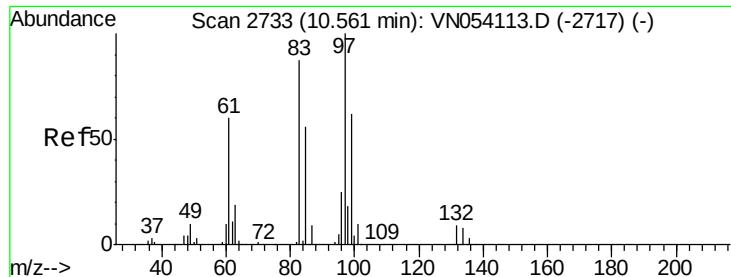
Ion Ratio Lower Upper

75 100

77 27.7 25.4 38.0

39 46.0 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 0.966 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

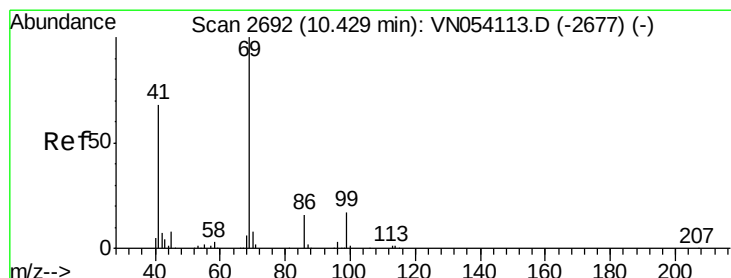
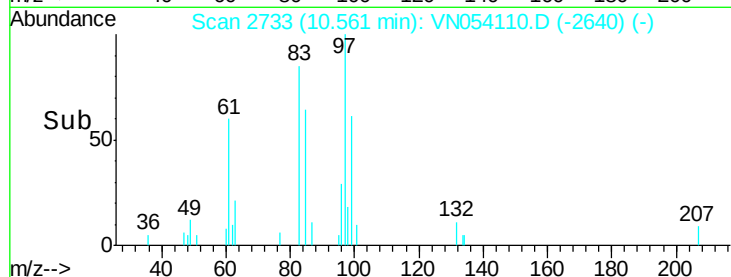
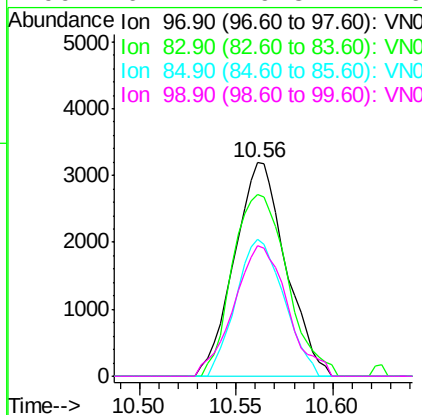
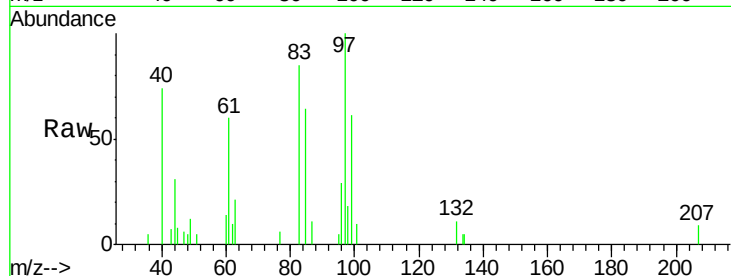
ClientSampled :

VSTDIC001

Tot Ion:	97	Resp:	5903
Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.8	104.6
85	64.0	45.0	67.4
99	61.1	49.8	74.6

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:37:55 AM



#56

Ethyl methacrylate

Concen: 0.713 ug/l

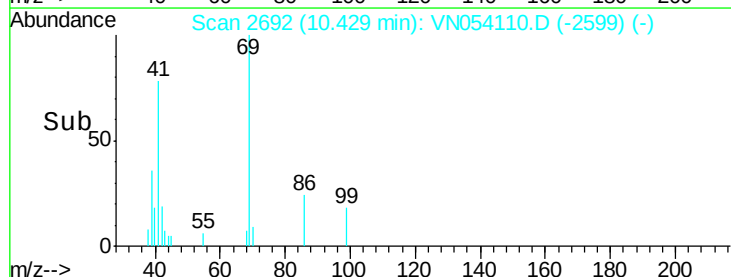
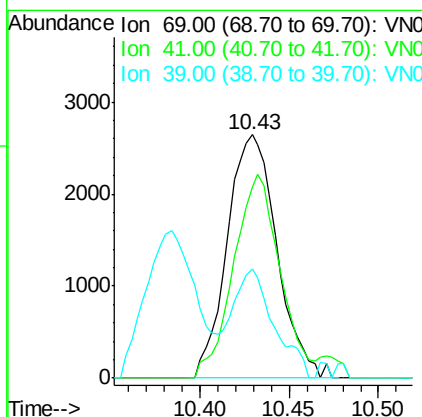
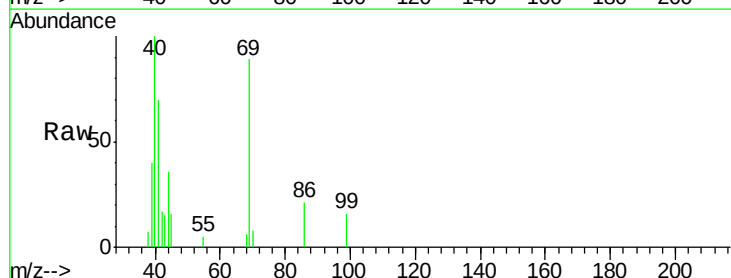
RT: 10.43 min Scan# 2692

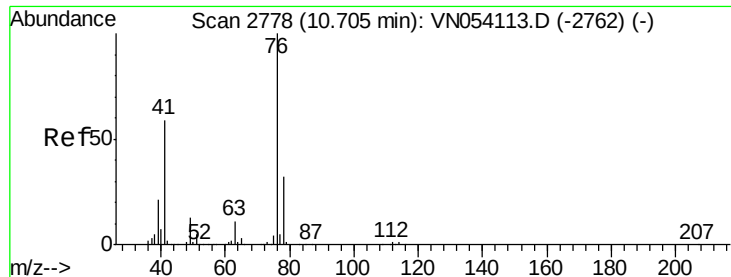
Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Tgt Ion:	69	Resp:	5116
Ion	Ratio	Lower	Upper
69	100		
41	78.3	53.4	80.2
39	38.2	25.6	38.4





#57

1,3-Dichloropropane

Concen: 0.948 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 76 Resp: 9882

Ion Ratio Lower Upper

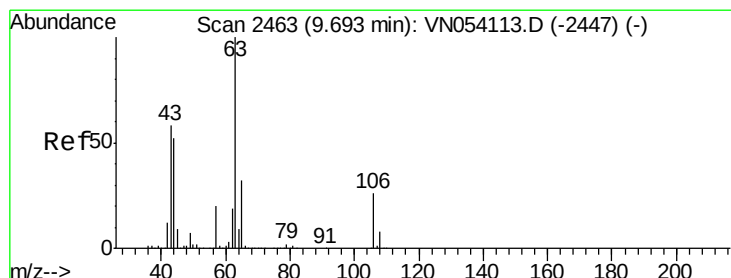
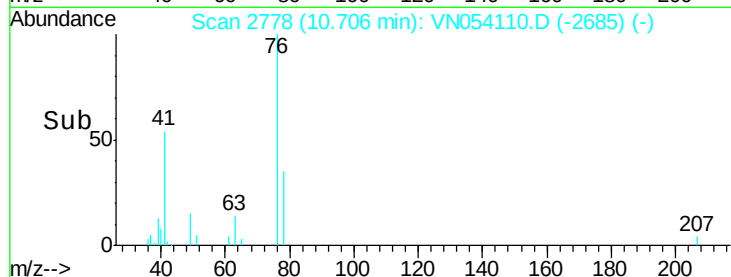
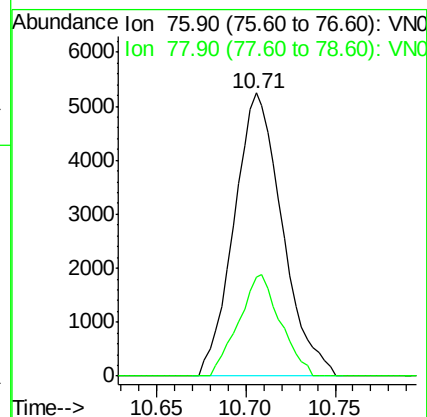
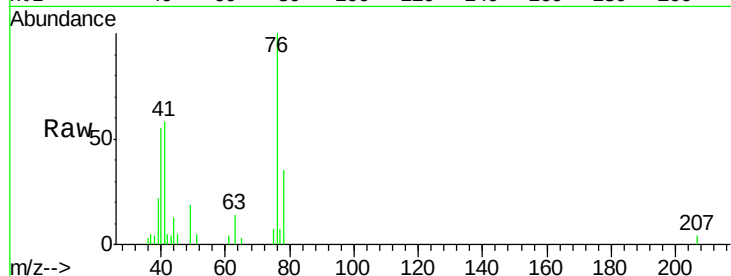
76 100

78 31.1 25.9 38.9

Manual Integrations
APPROVED

MMDadoda

3/7/2019 11:37:55 AM



#58

2-Chloroethyl Vinyl ether

Concen: 3.064 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN054110.D

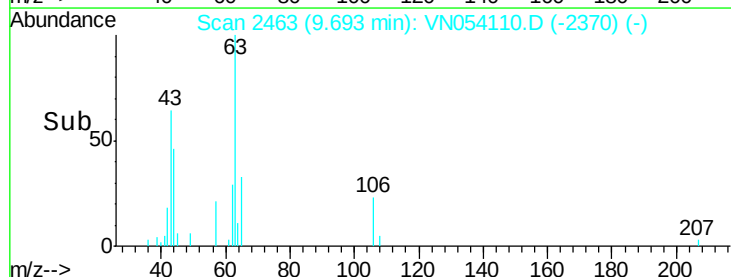
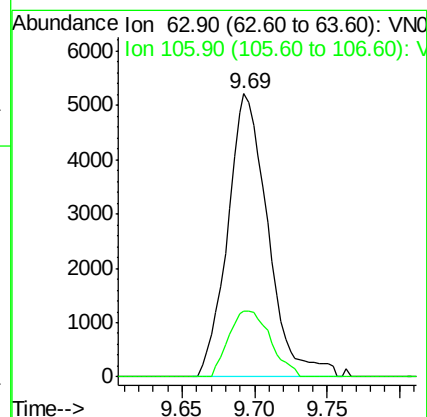
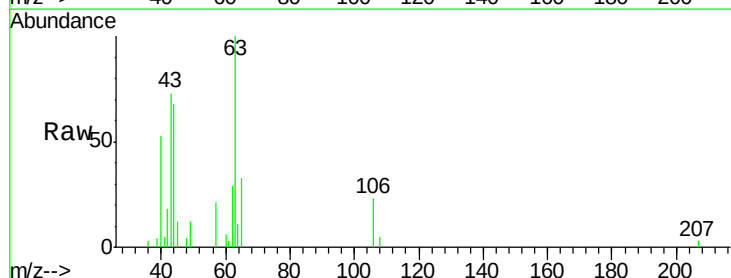
Acq: 6 Mar 2019 10:09

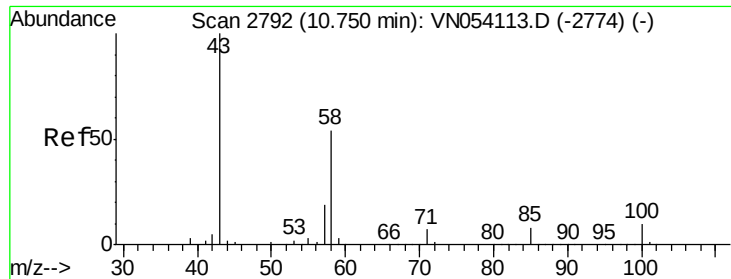
Tgt Ion: 63 Resp: 10065

Ion Ratio Lower Upper

63 100

106 24.1 20.2 30.2





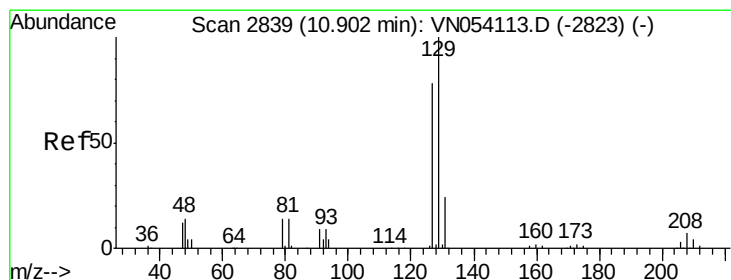
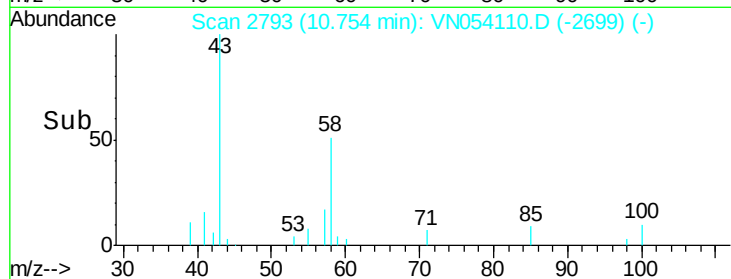
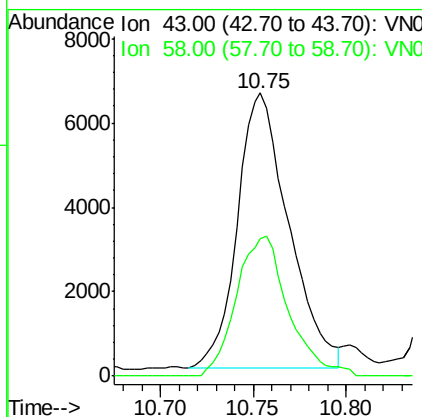
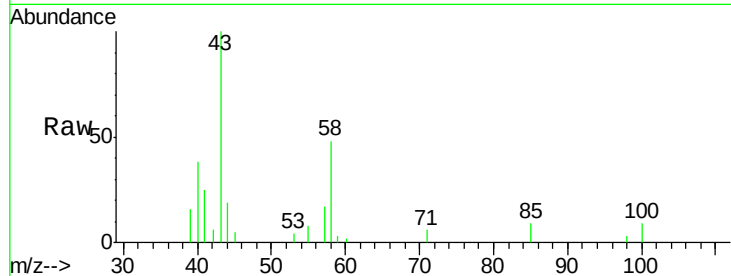
#59
2-Hexanone
Concen: 3.204 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	12498
Ion Ratio	100	Lower	Upper
43	100		
58	51.6	27.0	81.0

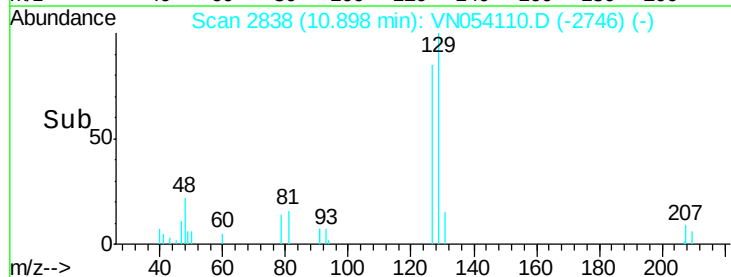
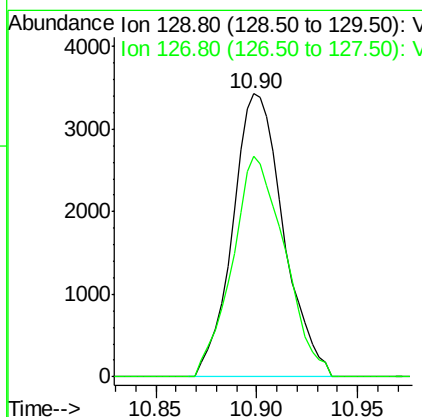
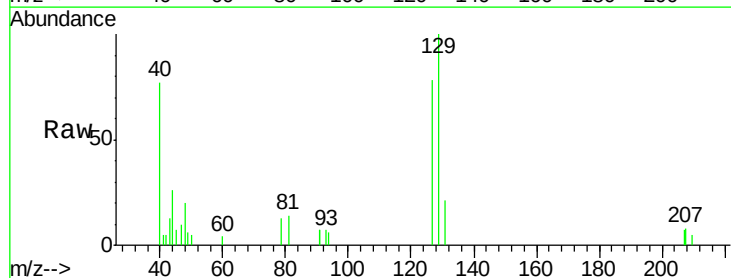
Manual Integrations
APPROVED

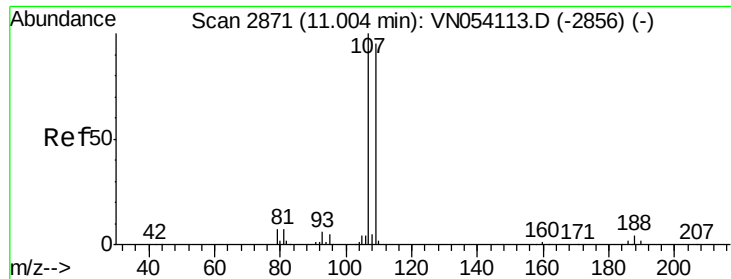
MMDadoda
3/7/2019 11:37:55 AM



#60
Dibromochloromethane
Concen: 0.920 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion	129	Resp	6016
Ion Ratio	100	Lower	Upper
129	100		
127	80.8	38.8	116.4





#61

1,2-Dibromoethane

Concen: 0.836 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:107 Resp: 4864

Ion Ratio Lower Upper

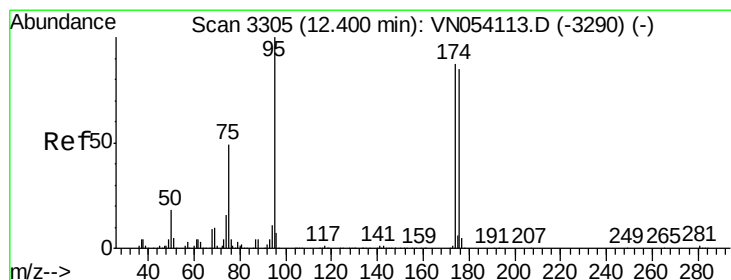
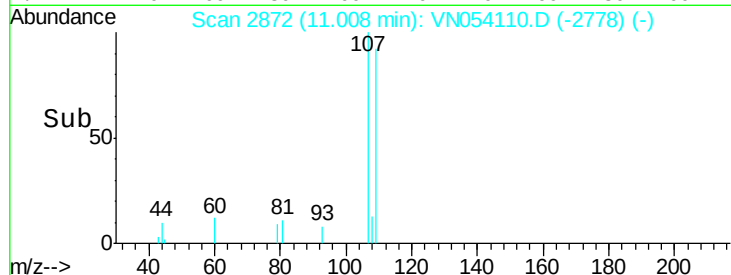
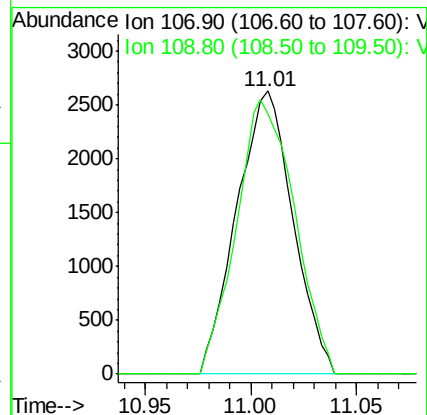
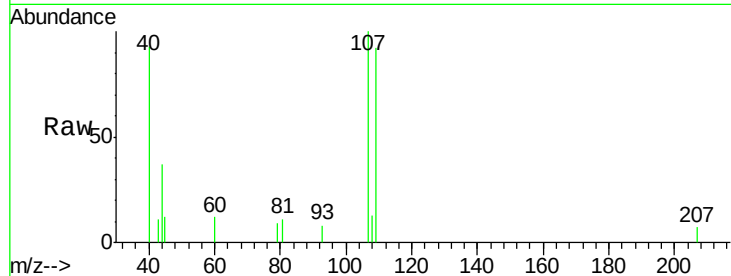
107 100

109 100.5 74.9 112.3

Manual Integrations
APPROVED

MMDadoda

3/7/2019 11:37:55 AM



#62

4-Bromofluorobenzene

Concen: 0.811 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

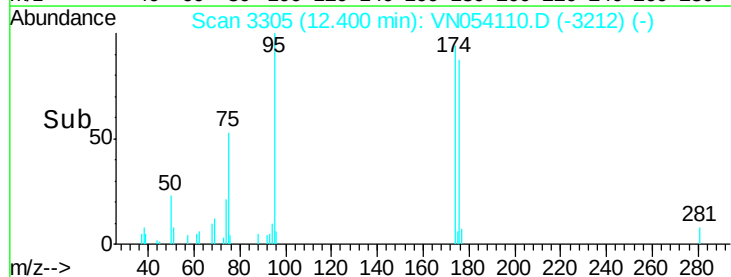
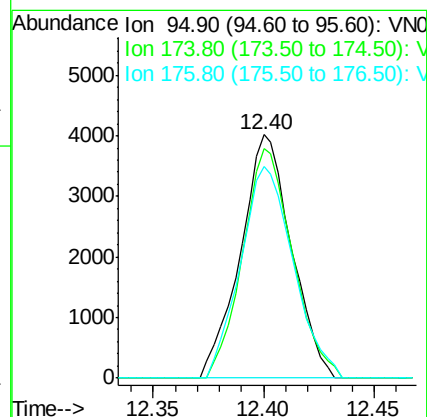
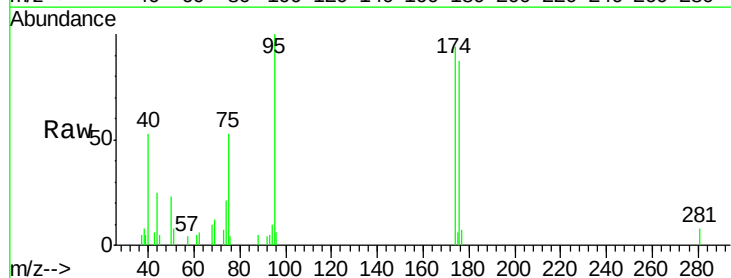
Tgt Ion: 95 Resp: 6425

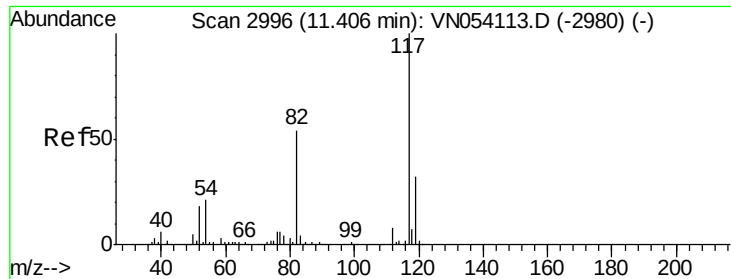
Ion Ratio Lower Upper

95 100

174 92.5 0.0 173.2

176 90.2 0.0 168.8





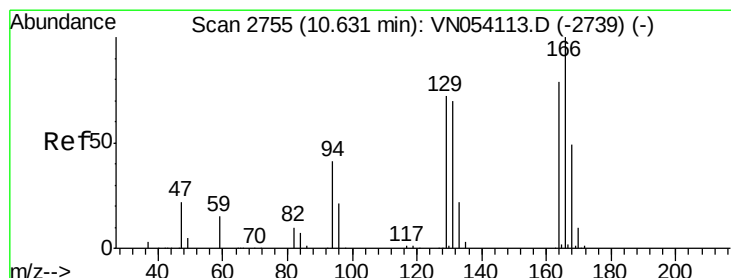
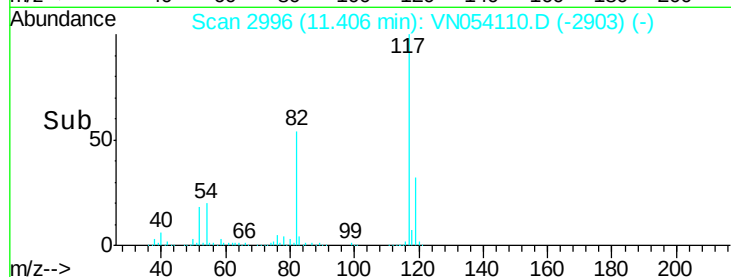
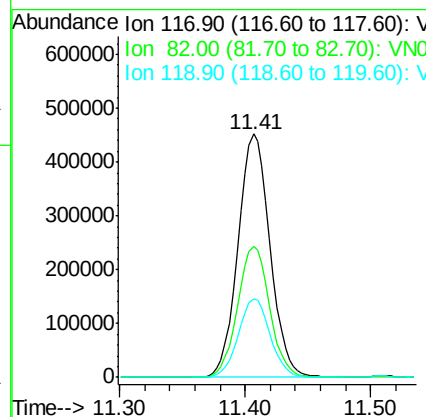
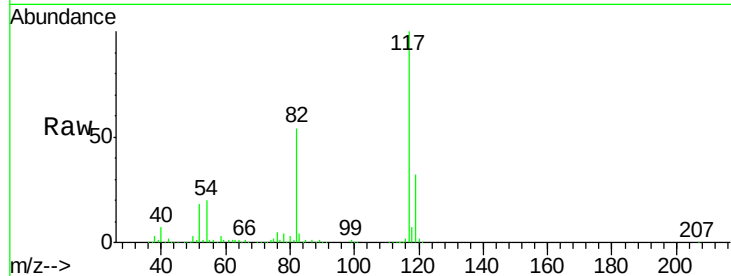
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
117	100	800044		
82	53.9		43.4	65.2
119	32.2		26.0	39.0

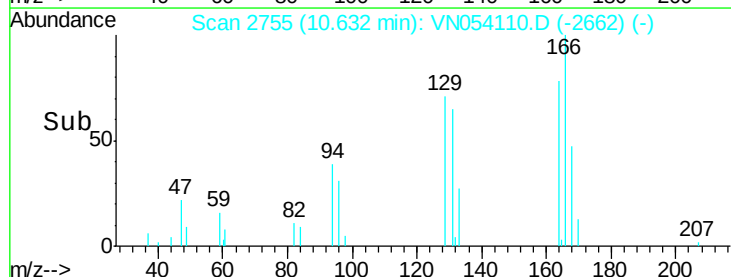
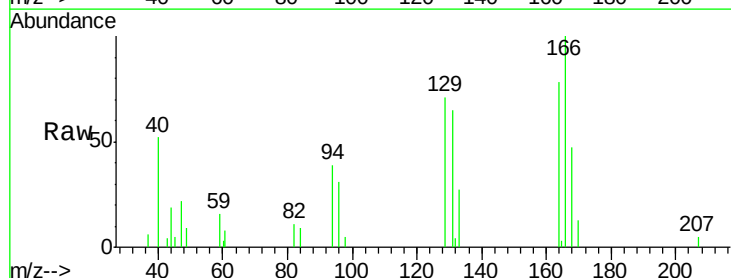
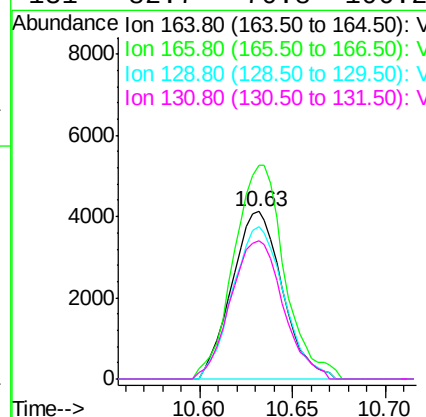
Manual Integrations
APPROVED

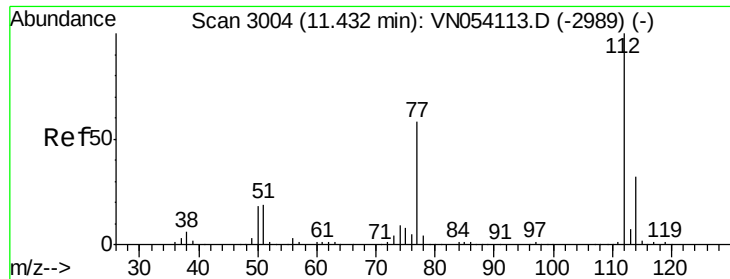
MMDadoda
3/7/2019 11:37:55 AM



#64
Tetrachloroethene
Concen: 1.188 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	7801		
166	127.4		101.3	151.9
129	90.6		73.2	109.8
131	82.7		70.8	106.2





#65

Chlorobenzene

Concen: 1.007 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:112 Resp: 16758

Ion Ratio Lower Upper

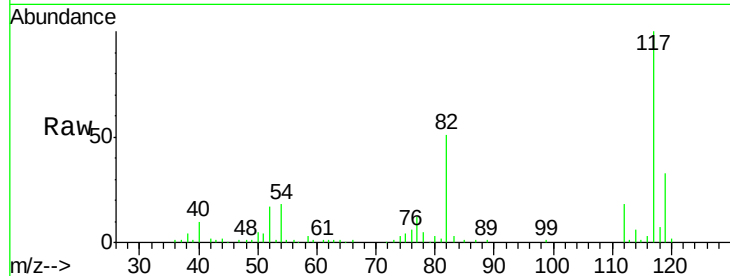
112 100

114 33.8 25.4 38.0

Manual Integrations
APPROVED

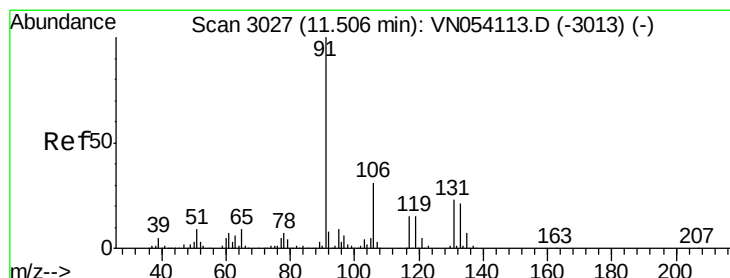
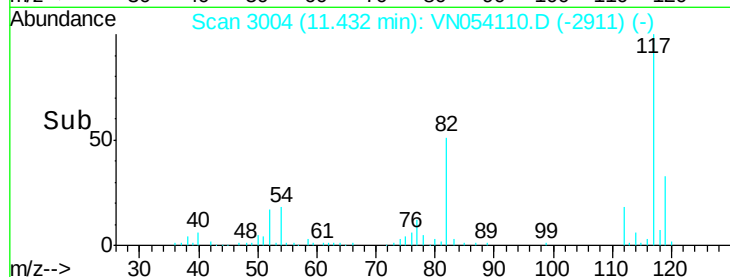
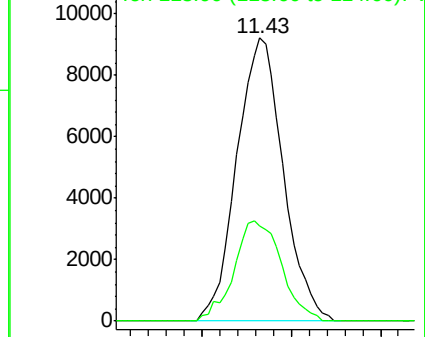
MMDadoda

3/7/2019 11:37:55 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 1.038 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

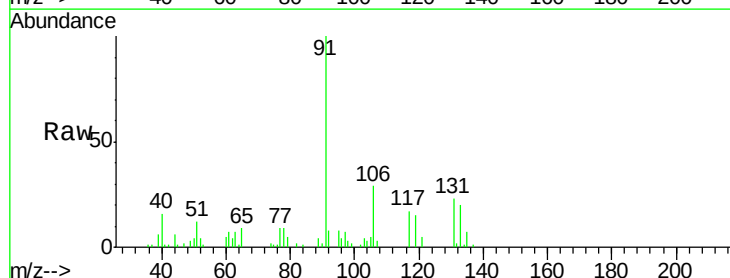
Tgt Ion:131 Resp: 6186

Ion Ratio Lower Upper

131 100

133 99.6 47.6 142.9

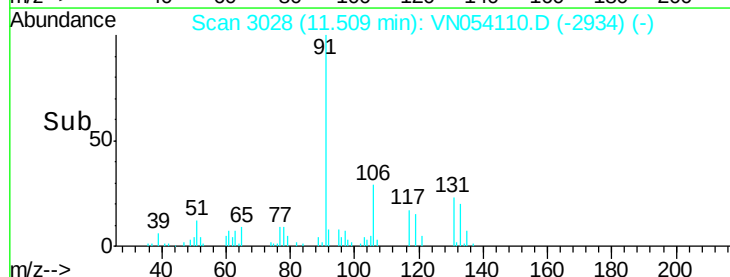
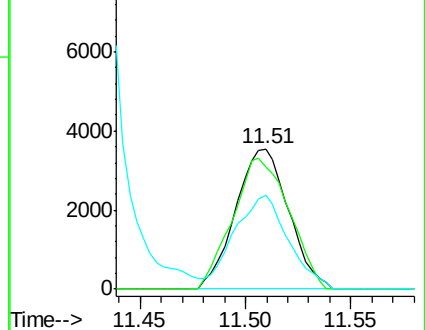
119 0.0 33.8 101.3#

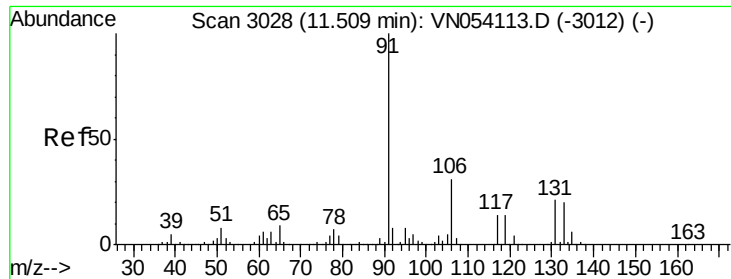


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 0.944 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 26288

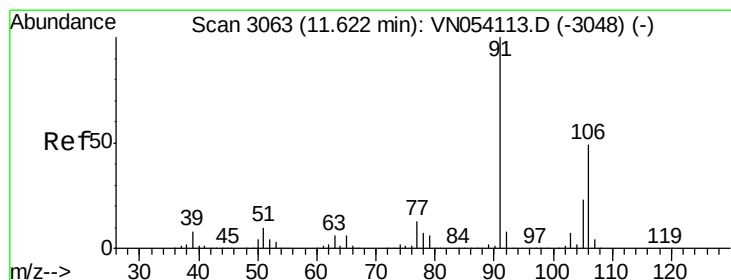
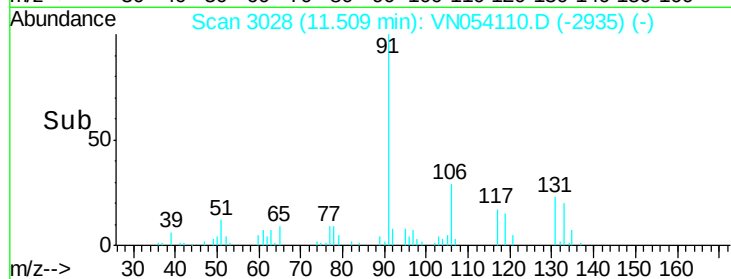
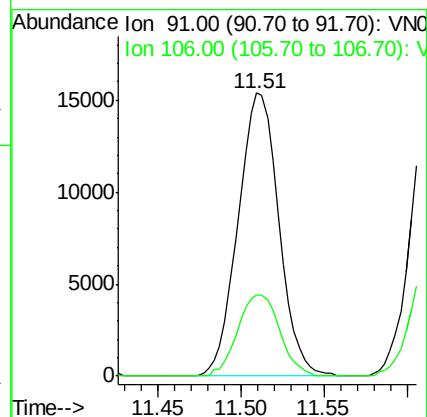
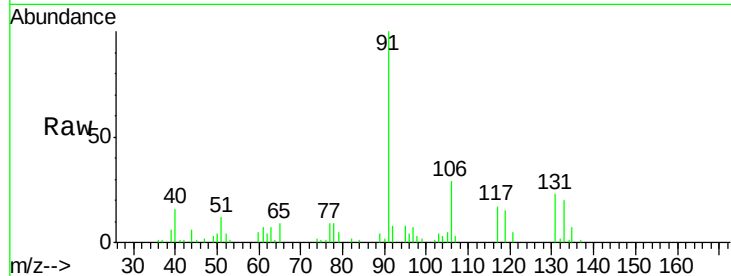
Ion Ratio Lower Upper

91 100

106 28.7 24.6 36.8

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:37:55 AM



#68

m/p-Xylenes

Concen: 1.729 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054110.D

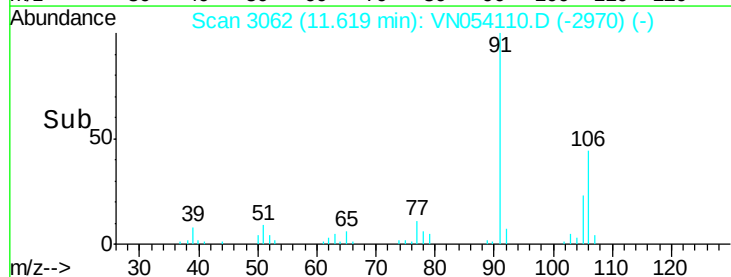
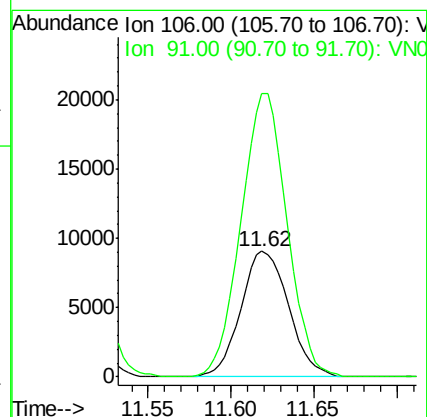
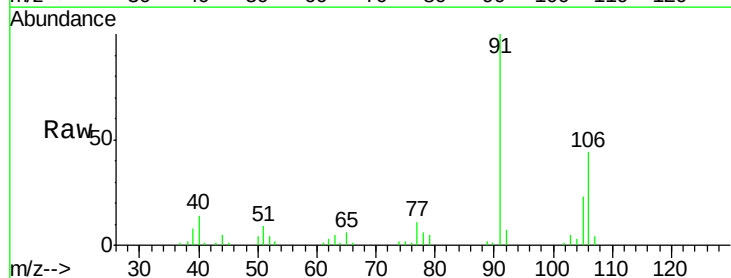
Acq: 6 Mar 2019 10:09

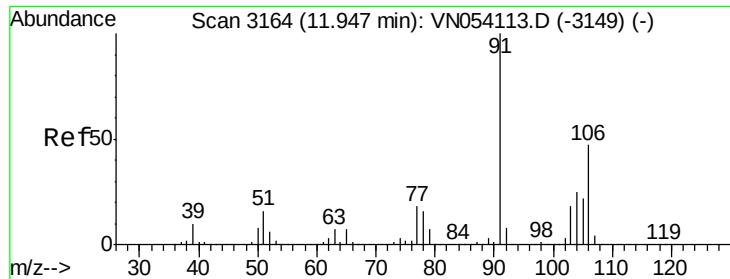
Tgt Ion: 106 Resp: 18175

Ion Ratio Lower Upper

106 100

91 217.3 163.2 244.8





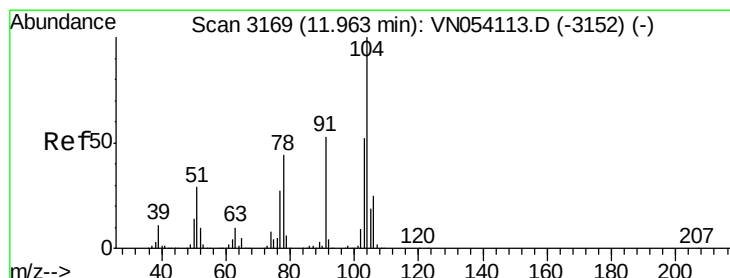
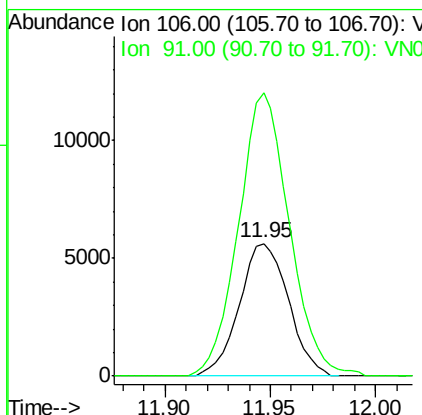
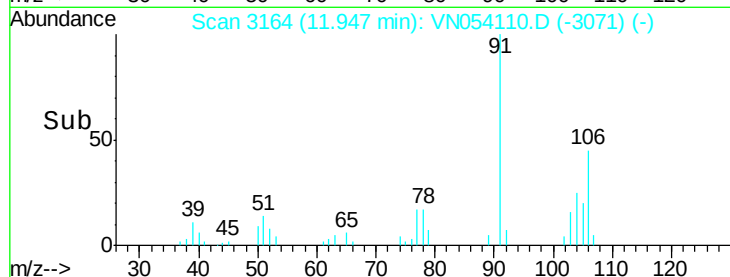
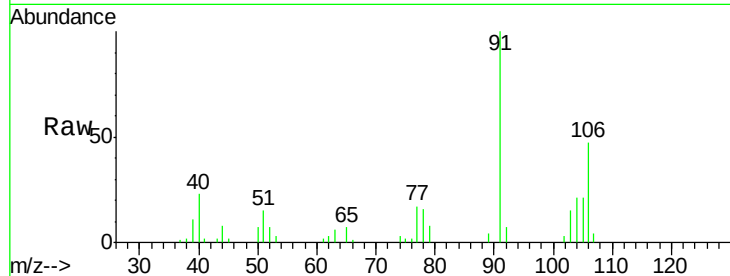
#69
o-Xylene
Concen: 0.900 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 9110
Ion Ratio Lower Upper
106 100
91 221.4 107.1 321.3

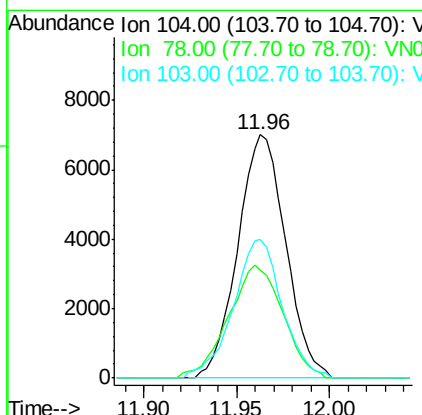
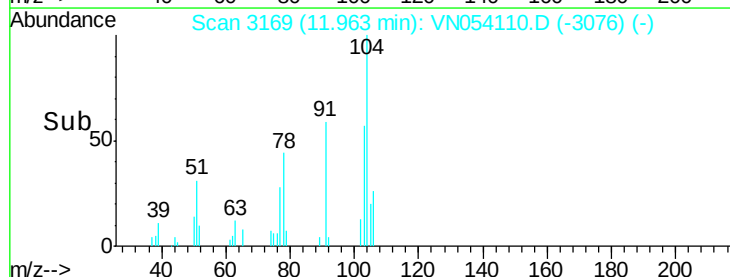
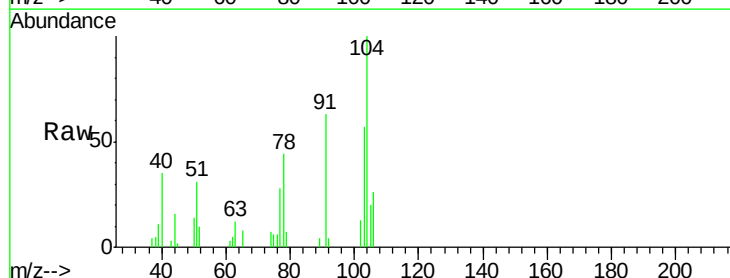
Manual Integrations
APPROVED

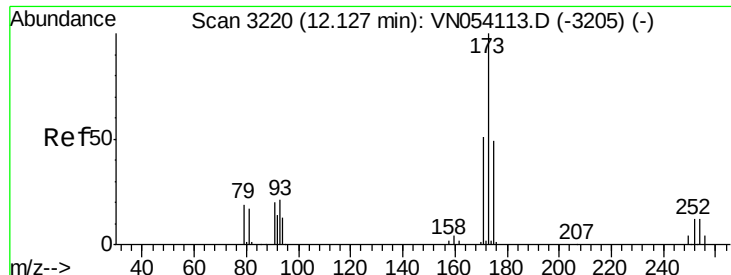
MMDadoda
3/7/2019 11:37:55 AM



#70
Styrene
Concen: 0.782 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion:104 Resp: 12553
Ion Ratio Lower Upper
104 100
78 52.8 39.4 59.0
103 58.0 44.7 67.1





#71

Bromoform

Concen: 0.925 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:173 Resp: 3795

Ion Ratio Lower Upper

173 100

175 45.1 24.1 72.2

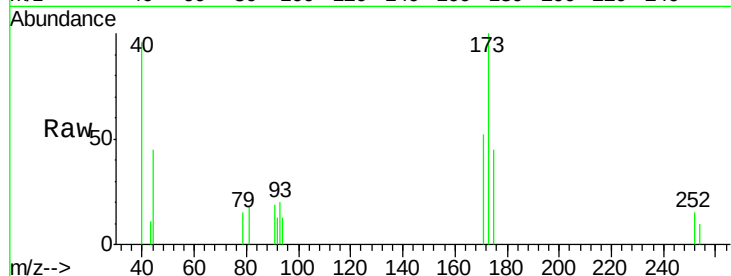
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

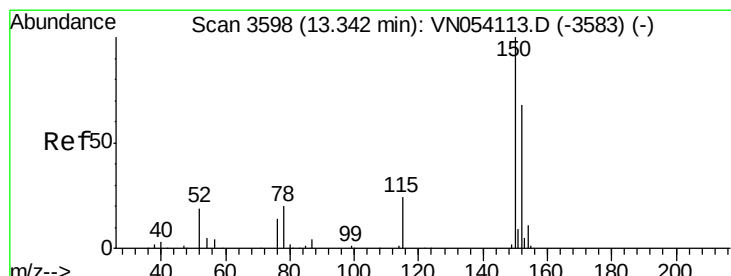
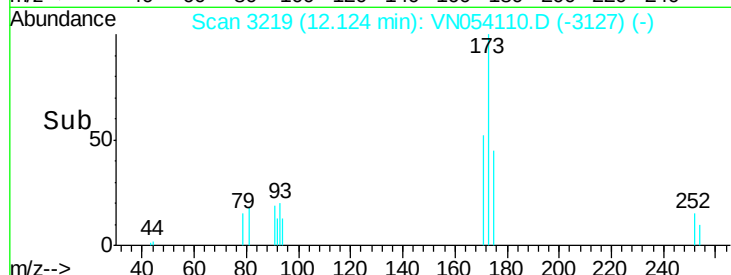
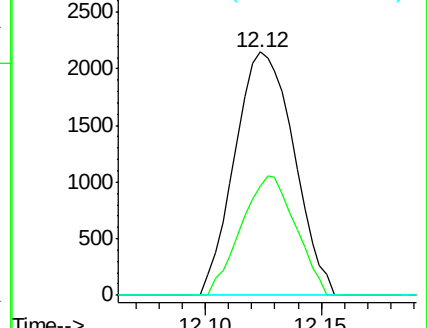
3/7/2019 11:37:55 AM



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

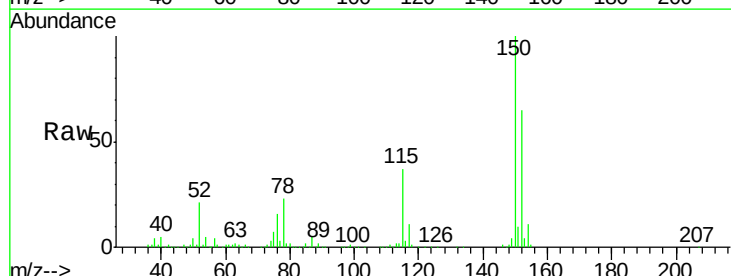
Tgt Ion:152 Resp: 270155

Ion Ratio Lower Upper

152 100

115 57.0 28.5 85.6

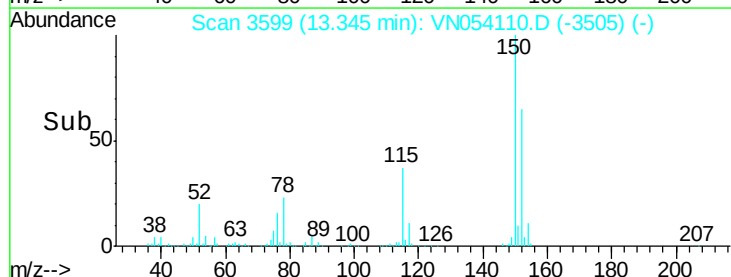
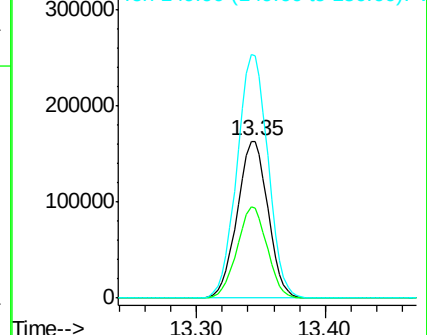
150 156.0 0.0 343.2

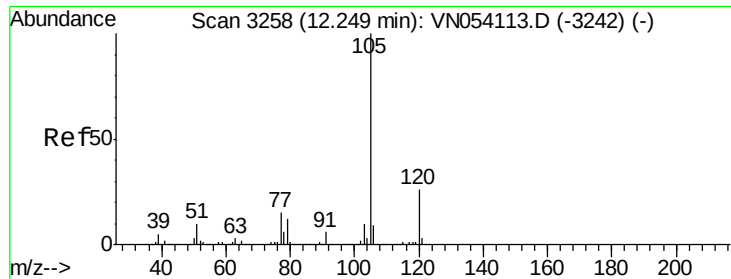


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.117 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 24007

Ion Ratio Lower Upper

105 100

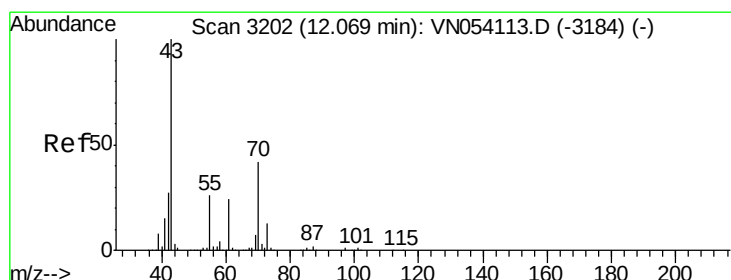
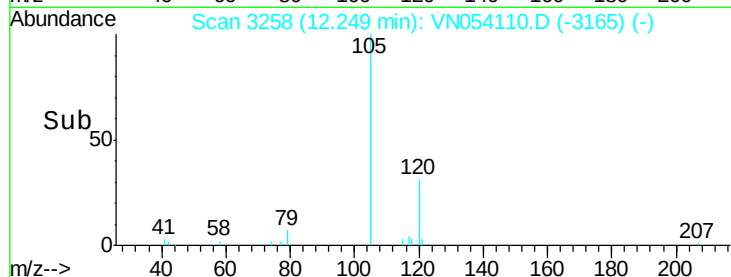
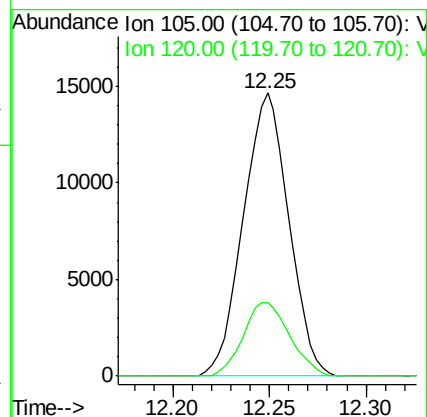
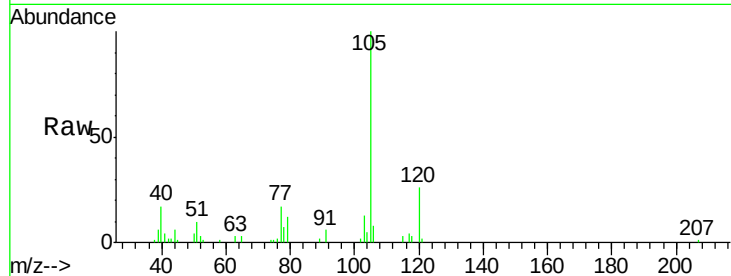
120 26.6 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

3/7/2019 11:37:55 AM



#74

N-ethyl acetate

Concen: 0.786 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Tgt Ion: 43 Resp: 4475

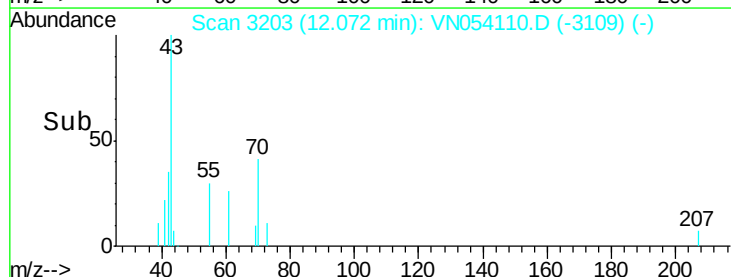
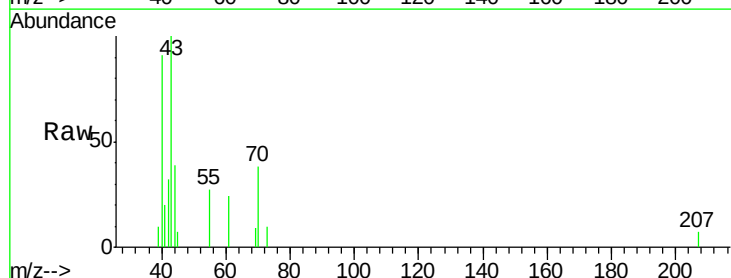
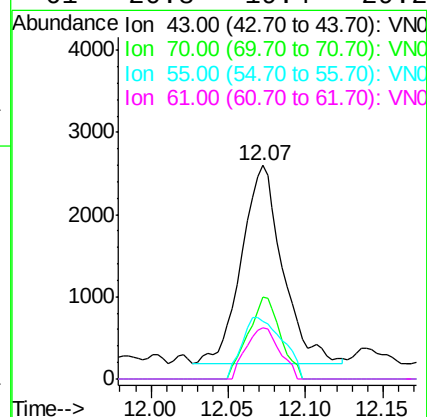
Ion Ratio Lower Upper

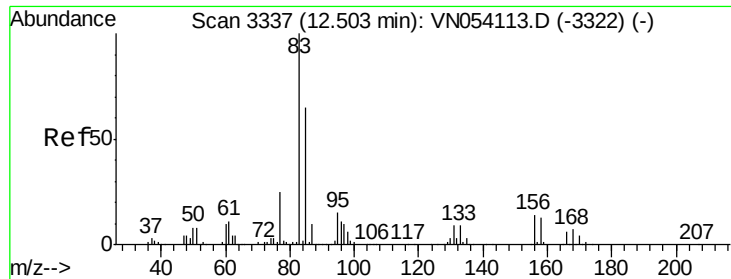
43 100

70 32.5 33.6 50.4#

55 30.3 20.6 31.0

61 20.8 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 1.074 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

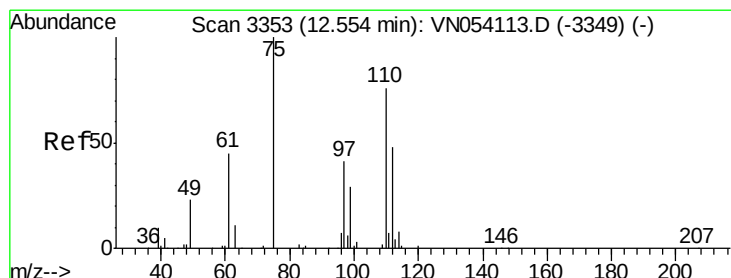
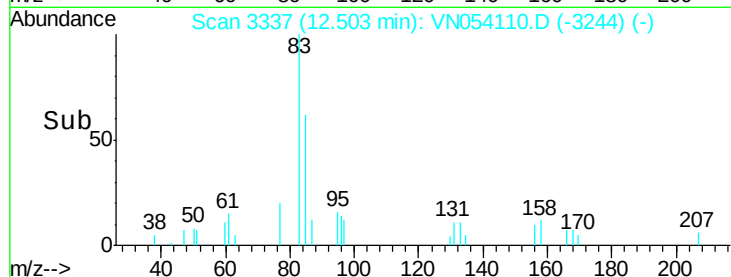
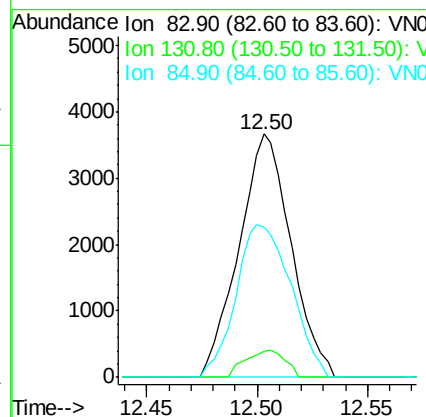
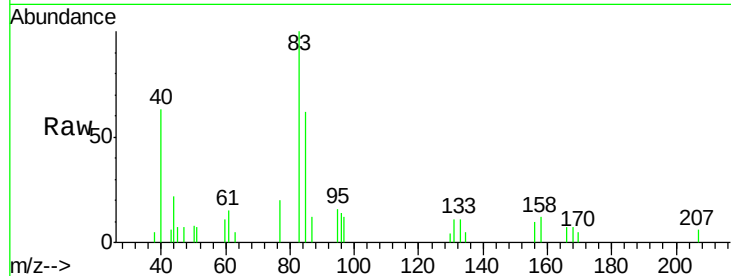
ClientSampled :

VSTDIC001

Tot Ion:	83	Resp:	6007
Ion	Ratio	Lower	Upper
83	100		
131	8.5	5.0	14.9
85	66.2	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:37:55 AM



#76

1,2,3-Trichloropropane

Concen: 1.755 ug/l

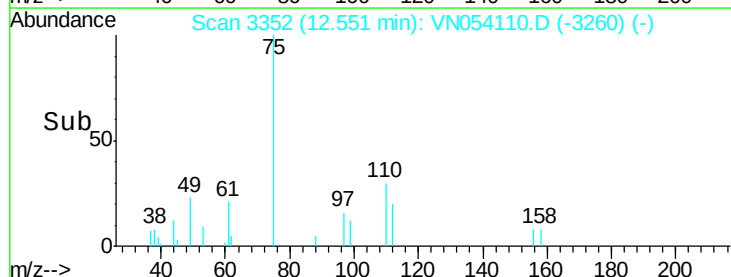
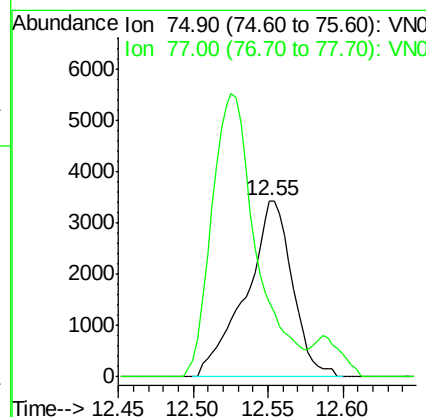
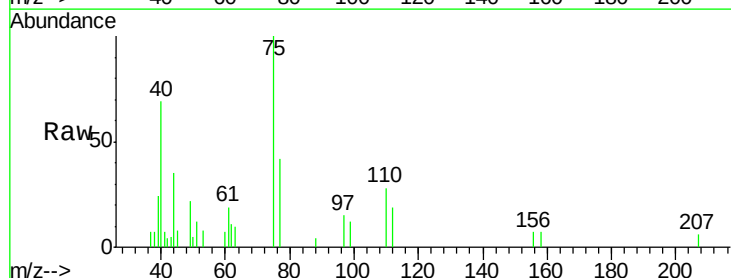
RT: 12.55 min Scan# 3352

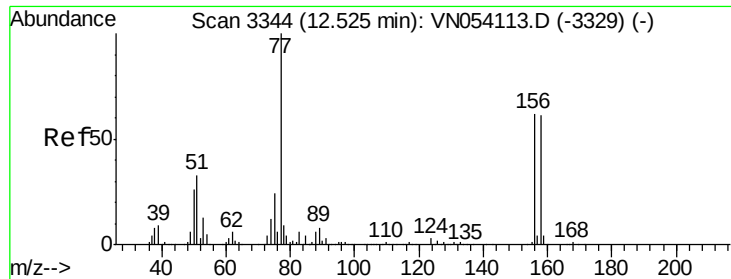
Delta R.T. -0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Tgt Ion:	75	Resp:	7413
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 1.127 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

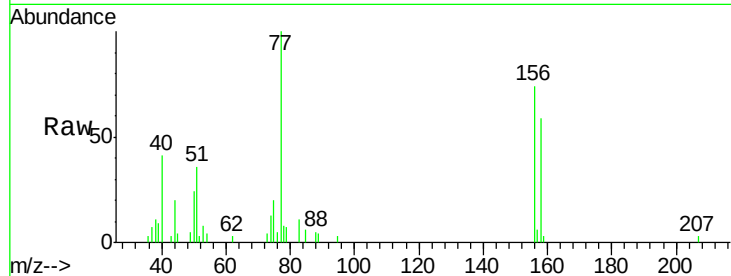
ClientSampled :

VSTDIC001

Tot Ion:	156	Resp:	6244
Ion	Ratio	Lower	Upper
156	100		
77	182.7	93.6	280.8
158	84.9	48.4	145.0

Manual Integrations
APPROVED

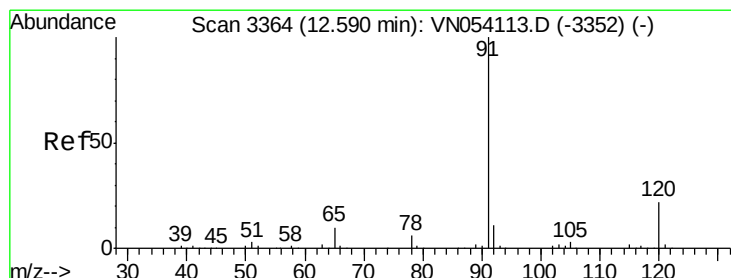
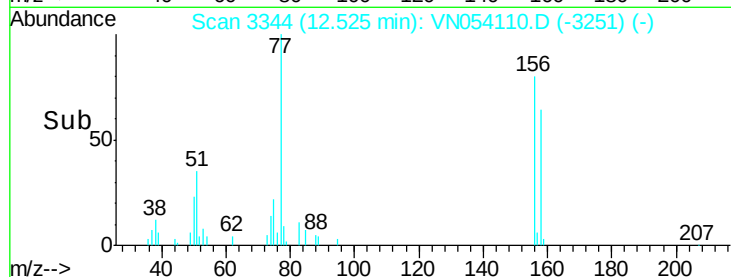
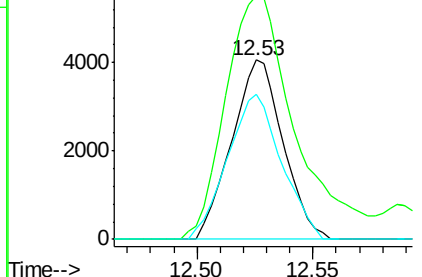
MMDadoda
3/7/2019 11:37:55 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.023 ug/l

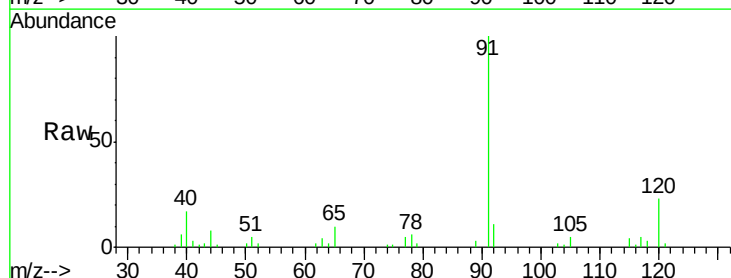
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054110.D

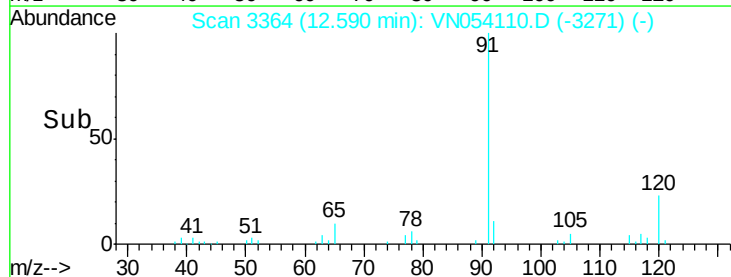
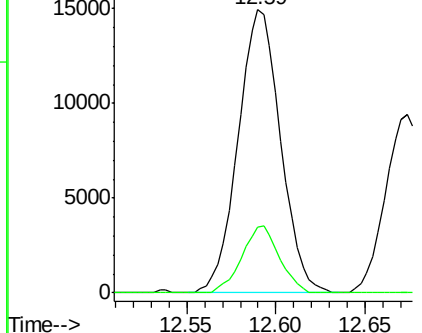
Acq: 6 Mar 2019 10:09

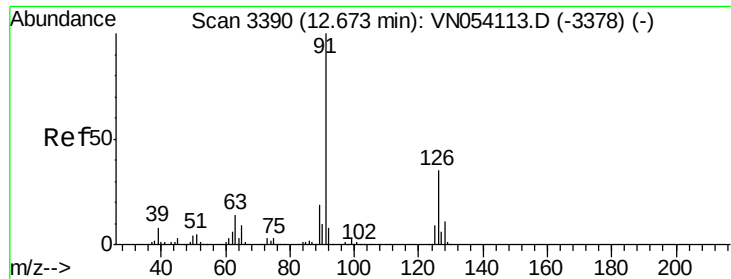
Tgt Ion:	91	Resp:	24734
Ion	Ratio	Lower	Upper
91	100		
120	20.9	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.088 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 15977

Ion Ratio Lower Upper

91 100

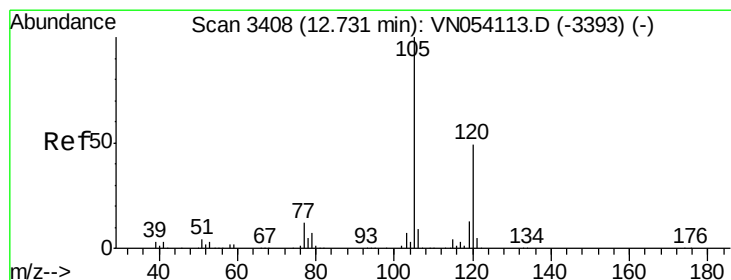
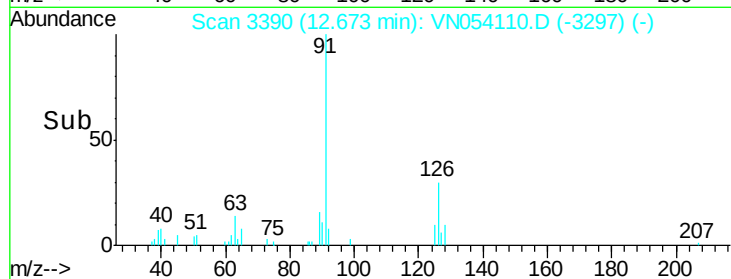
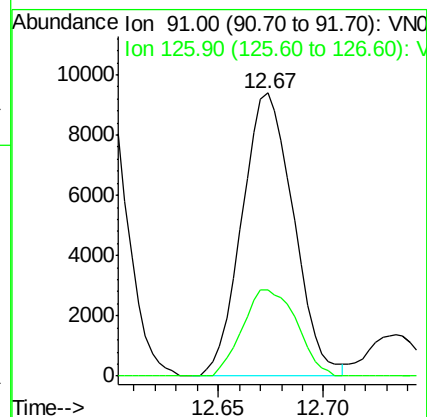
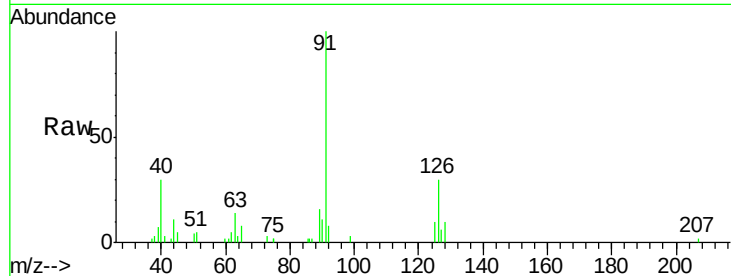
126 31.9 17.4 52.2

Manual Integrations

APPROVED

MMDadoda

3/7/2019 11:37:55 AM



#80

1,3,5-Trimethylbenzene

Concen: 0.970 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054110.D

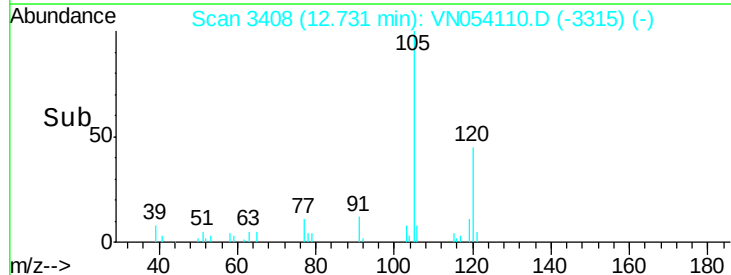
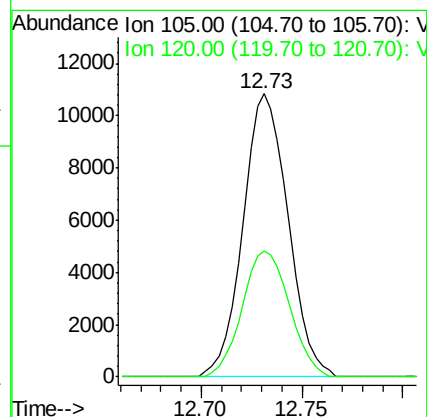
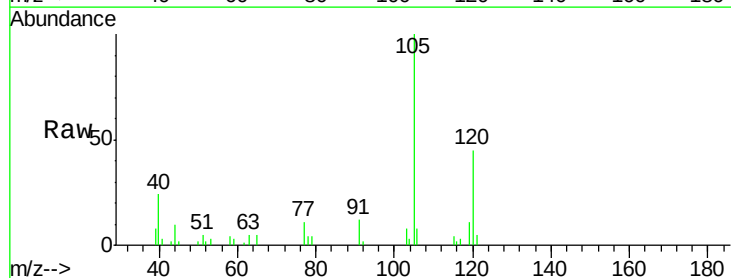
Acq: 6 Mar 2019 10:09

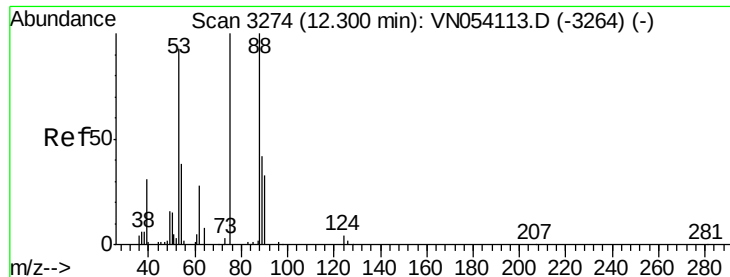
Tgt Ion: 105 Resp: 16953

Ion Ratio Lower Upper

105 100

120 46.7 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 0.939 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

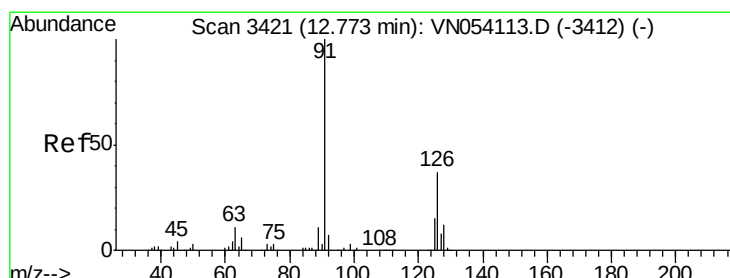
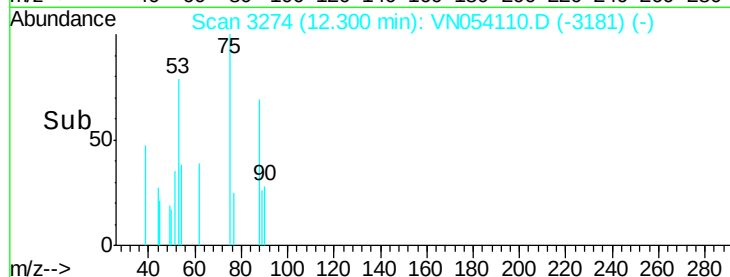
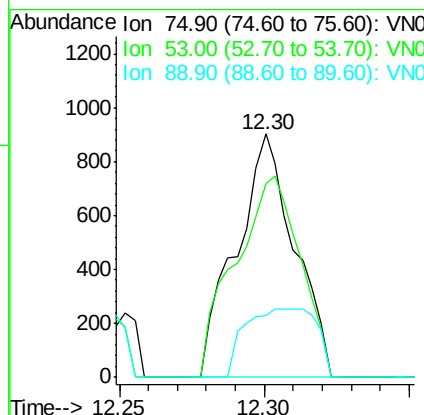
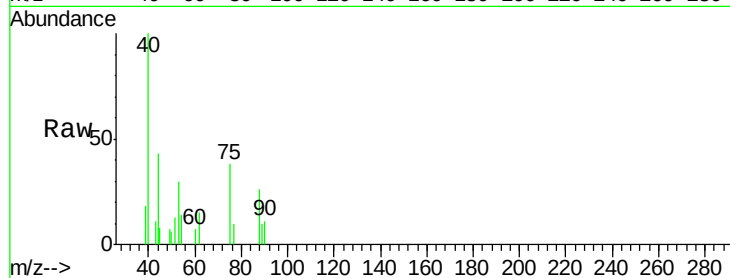
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	1259
Ion	Ratio	Lower	Upper
75	100		
53	92.2	76.4	114.6
89	34.5	35.3	52.9#

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:37:55 AM



#82

4-Chlorotoluene

Concen: 0.976 ug/l

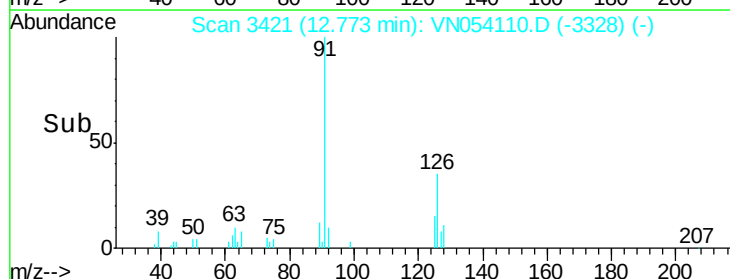
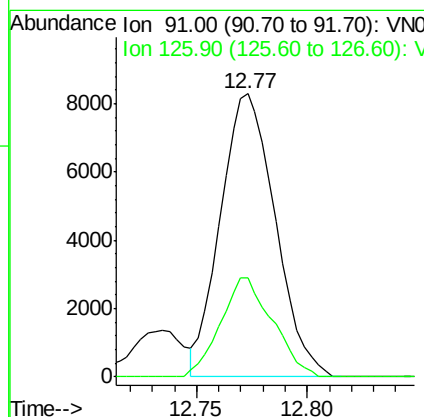
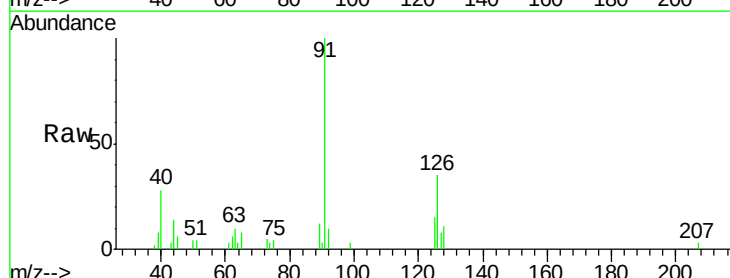
RT: 12.77 min Scan# 3421

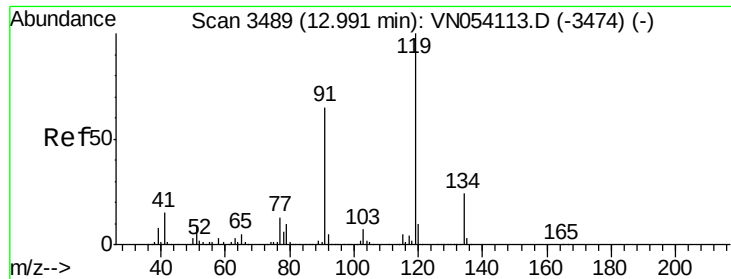
Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Tgt Ion:	91	Resp:	14299
Ion	Ratio	Lower	Upper
91	100		
126	33.2	17.1	51.3





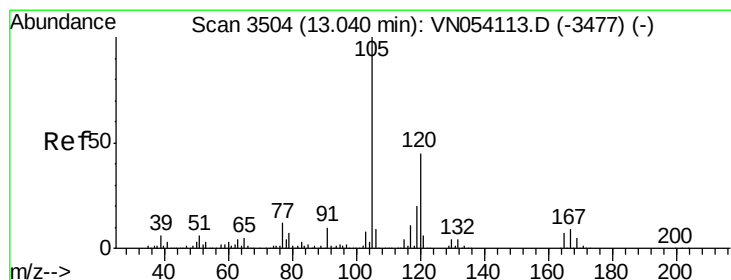
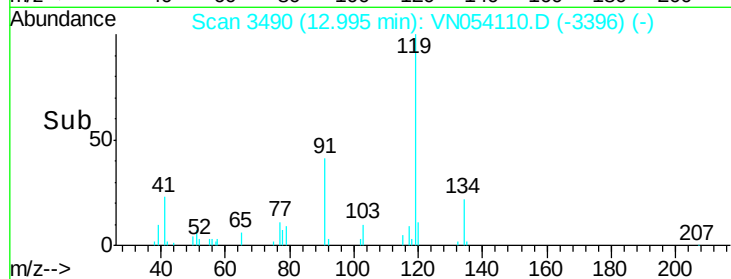
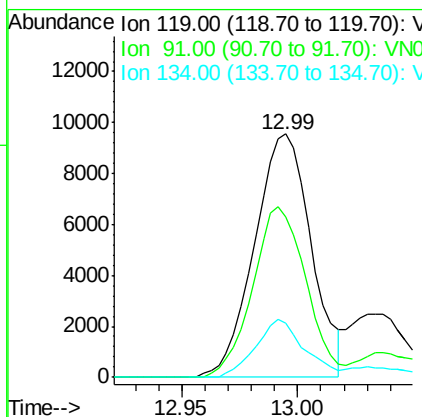
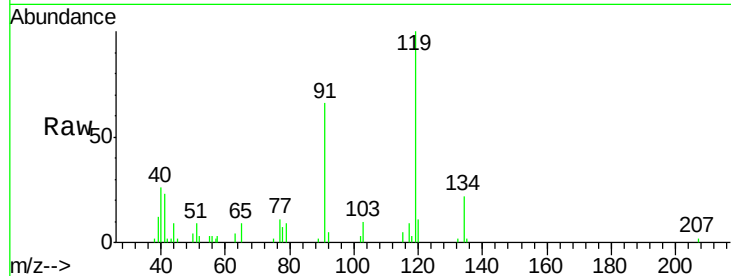
#83
tert-Butylbenzene
Concen: 1.047 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	31.8	95.3
134	20.4	12.8	38.3

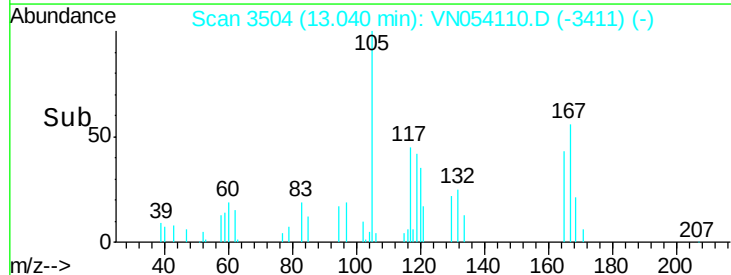
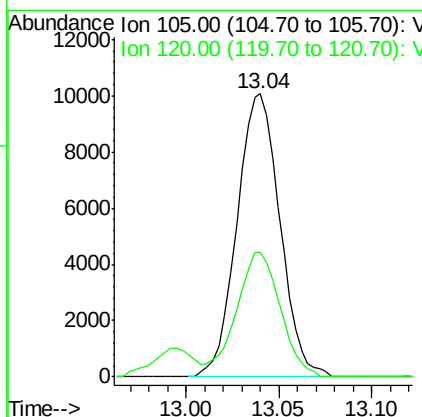
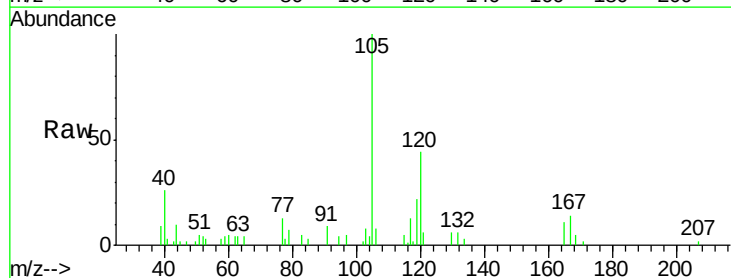
Manual Integrations
APPROVED

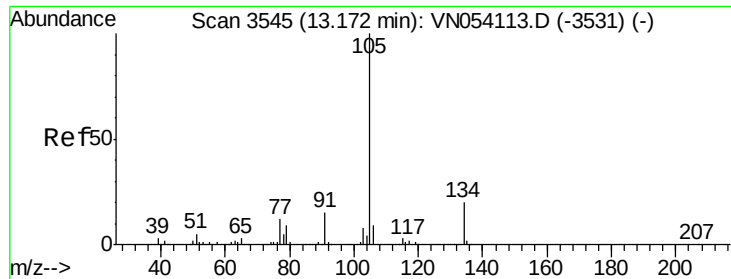
MMDadoda
3/7/2019 11:37:55 AM



#84
1,2,4-Trimethylbenzene
Concen: 0.935 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054110.D
Acq: 6 Mar 2019 10:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.6	67.7





#85

sec-Butylbenzene

Concen: 0.995 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 20903

Ion Ratio Lower Upper

105 100

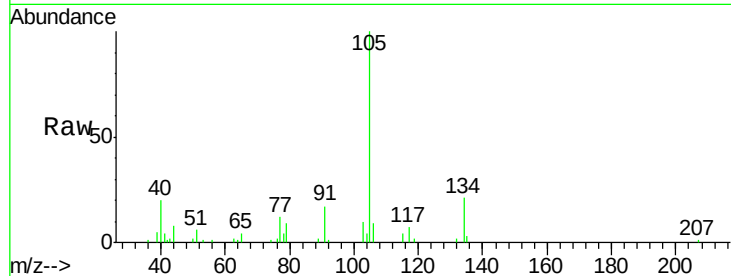
134 19.9 9.8 29.5

Manual Integrations

APPROVED

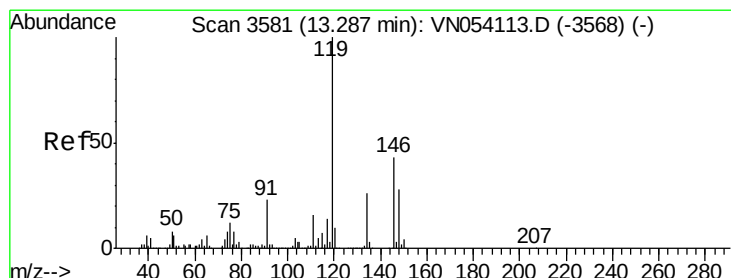
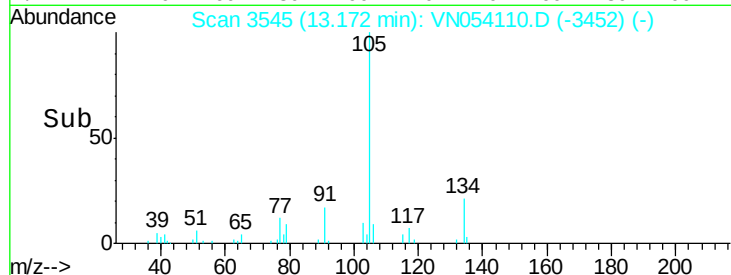
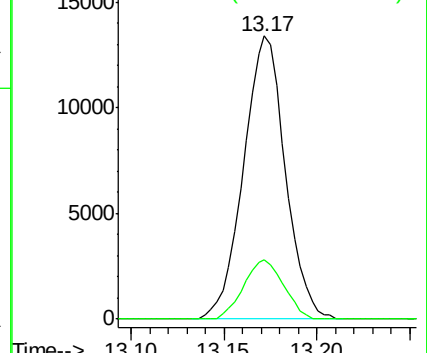
MMDadoda

3/7/2019 11:37:55 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.930 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

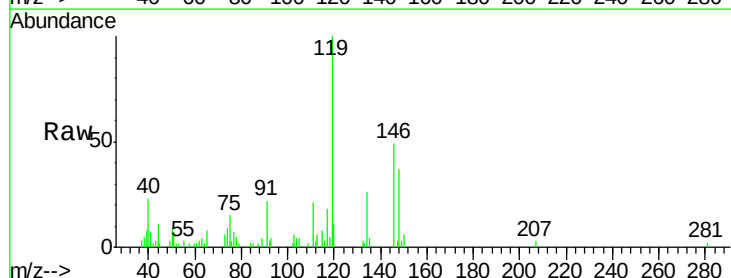
Tgt Ion:119 Resp: 16412

Ion Ratio Lower Upper

119 100

134 27.2 13.2 39.5

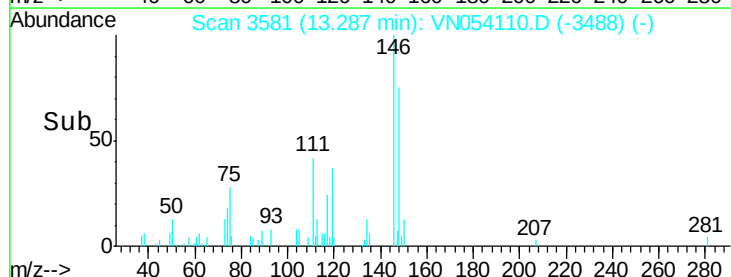
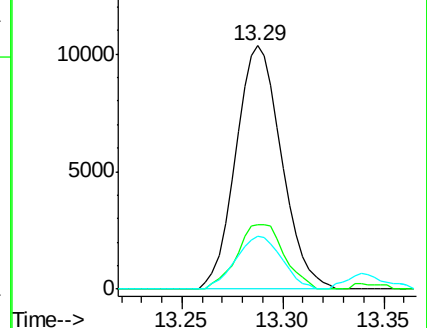
91 21.9 11.4 34.2

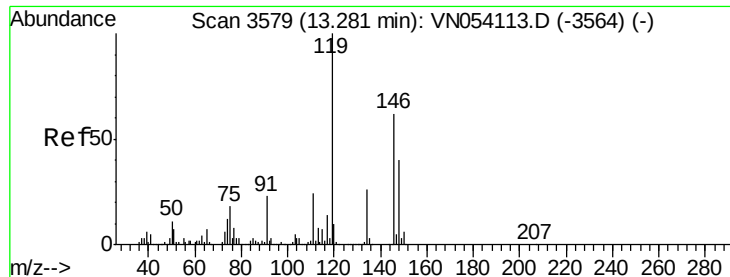


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





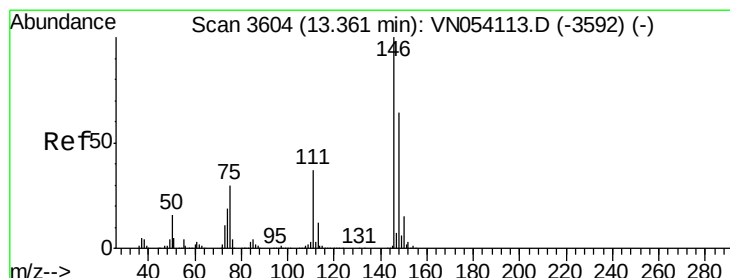
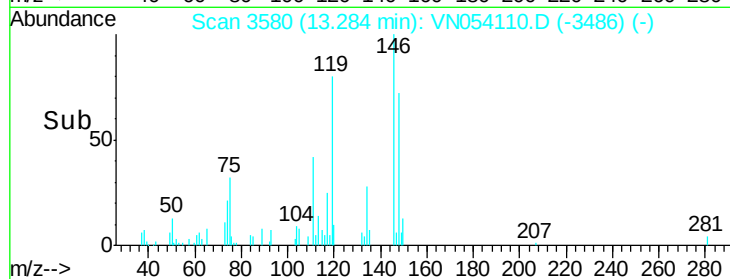
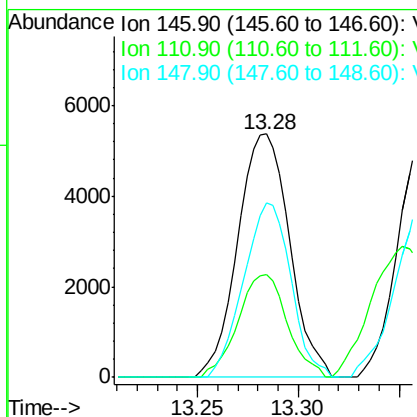
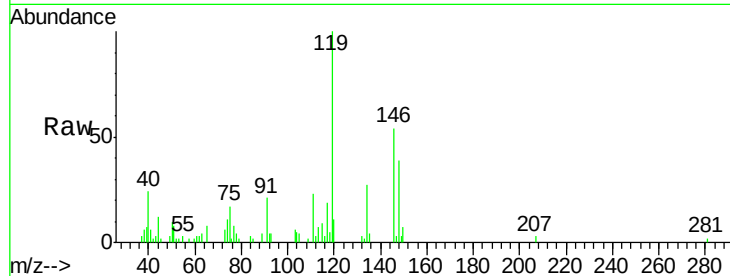
#87
 1,3-Dichlorobenzene
 Concen: 1.026 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.3	57.8
148	65.3	32.4	97.0

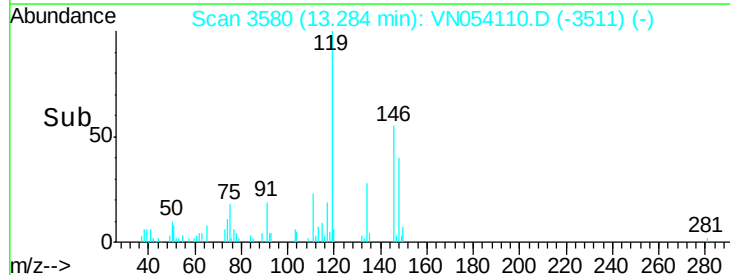
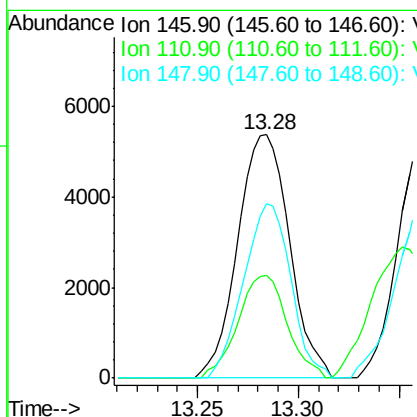
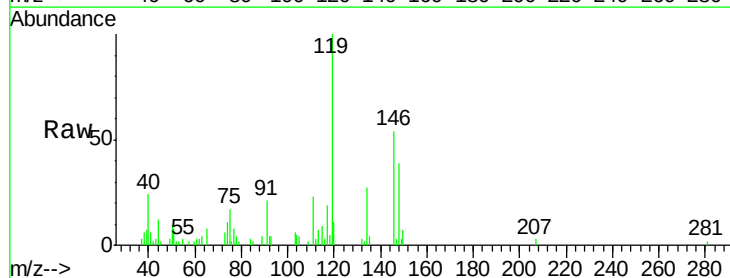
Manual Integrations
 APPROVED

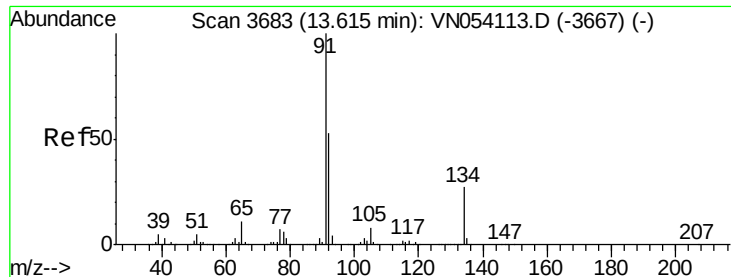
MMDadoda
 3/7/2019 11:37:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 1.034 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	18.9	56.5
148	65.3	32.1	96.5





#89

n-Butylbenzene

Concen: 0.843 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

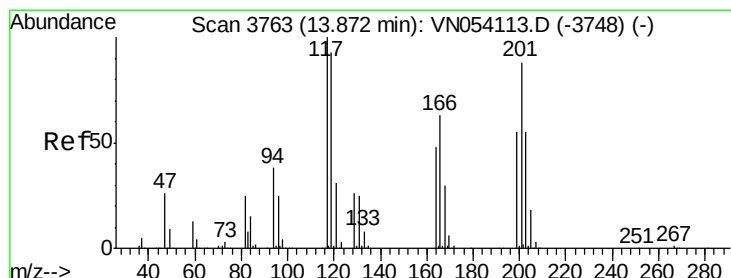
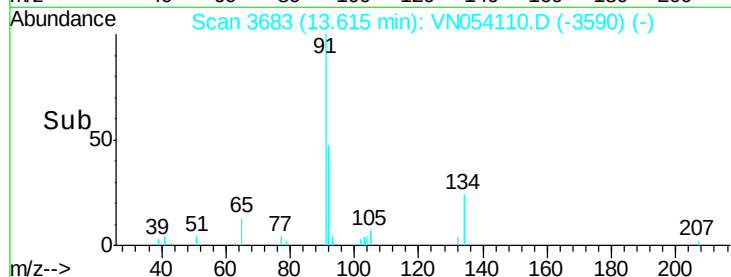
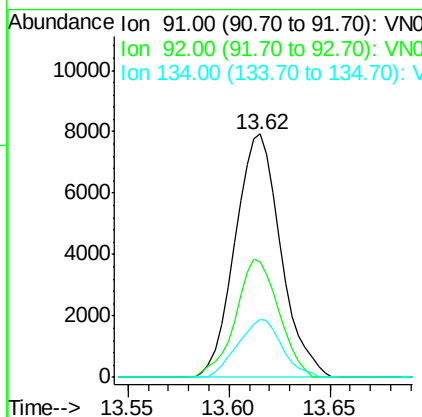
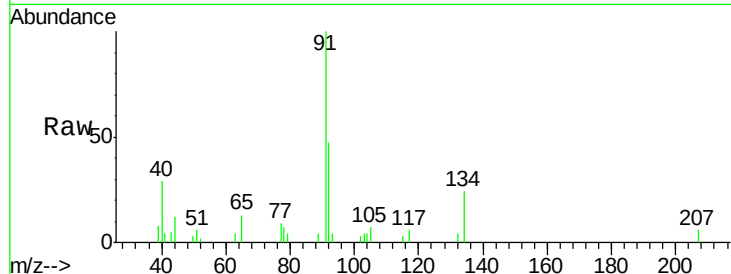
ClientSampled :

VSTDIC001

Tot Ion:	91	Resp:	12570
Ion	Ratio	Lower	Upper
91	100		
92	45.9	26.0	78.0
134	23.1	13.1	39.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:37:55 AM



#90

Hexachloroethane

Concen: 1.252 ug/l

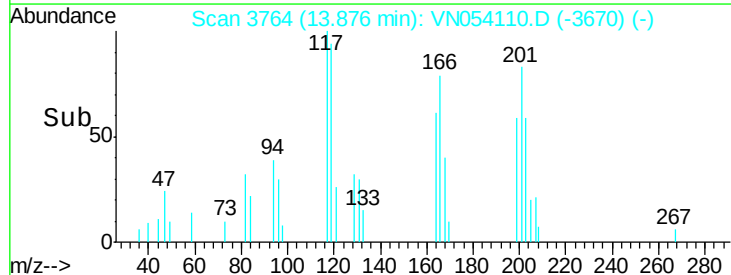
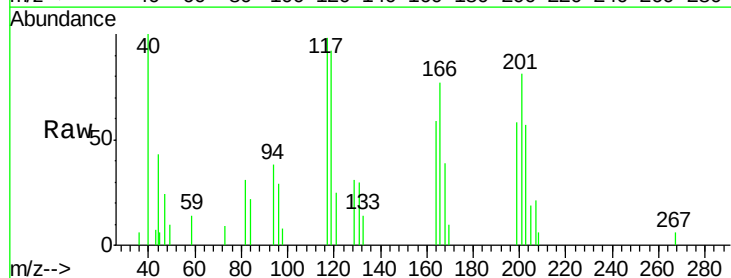
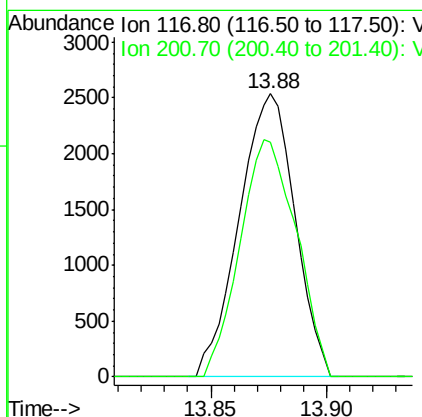
RT: 13.88 min Scan# 3764

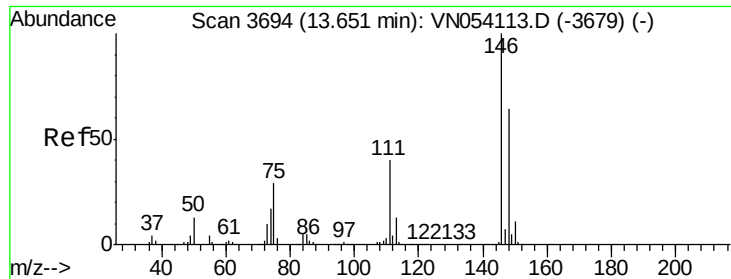
Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Tgt Ion:	117	Resp:	4239
Ion	Ratio	Lower	Upper
117	100		
201	84.9	44.9	134.7





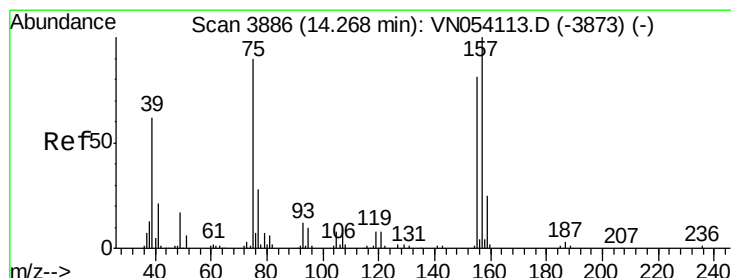
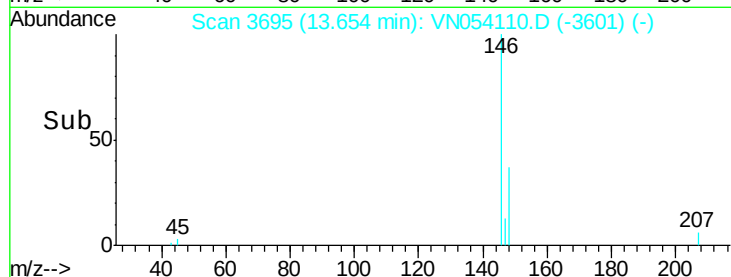
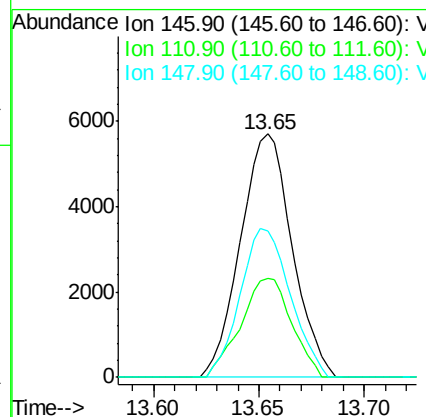
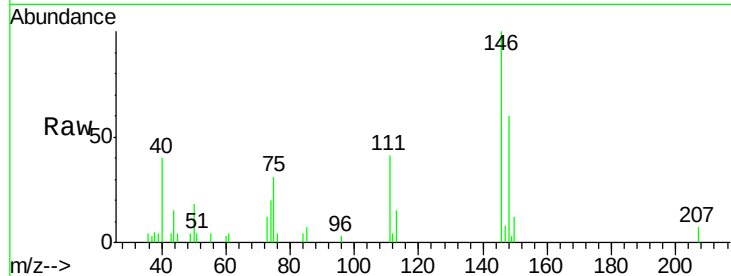
#91
 1,2-Dichlorobenzene
 Concen: 1.039 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	59.4	32.3	96.9

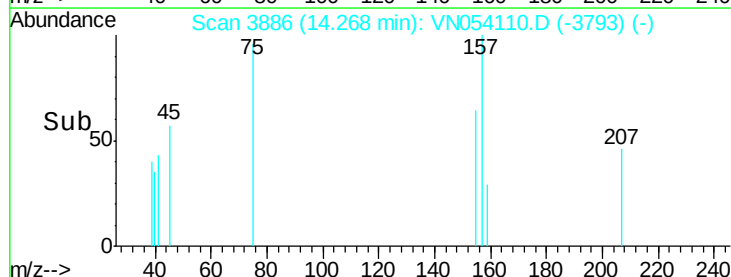
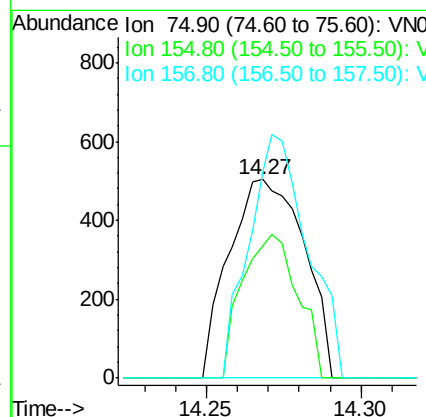
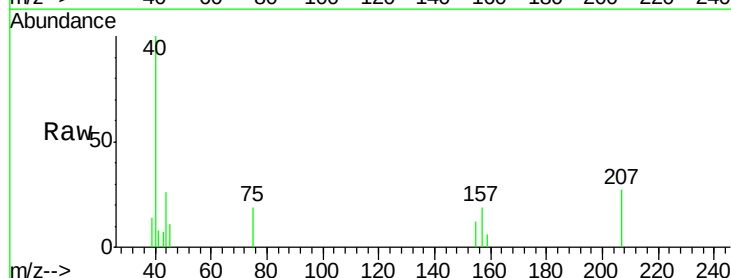
Manual Integrations
 APPROVED

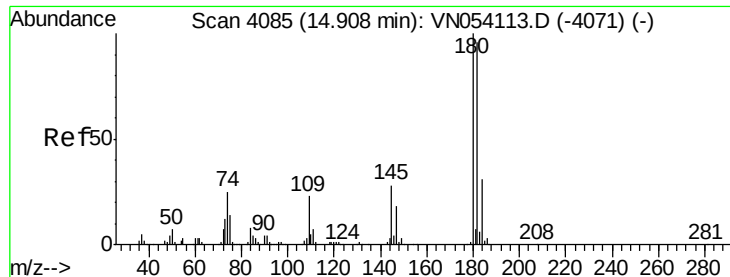
MMDadoda
 3/7/2019 11:37:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.086 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	53.4	44.5	133.5
157	95.0	57.2	171.6





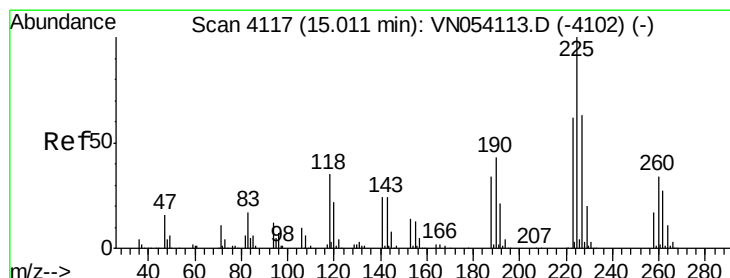
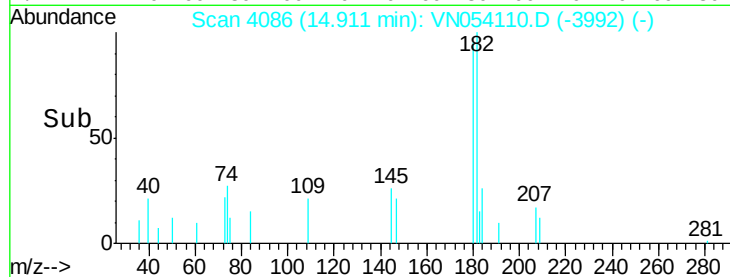
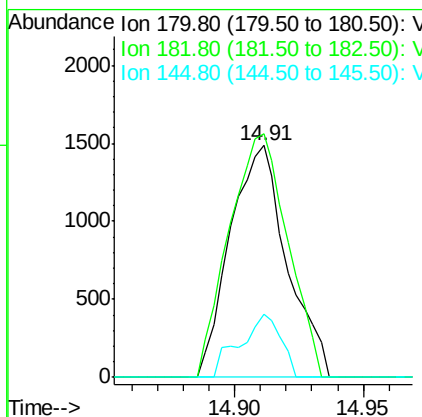
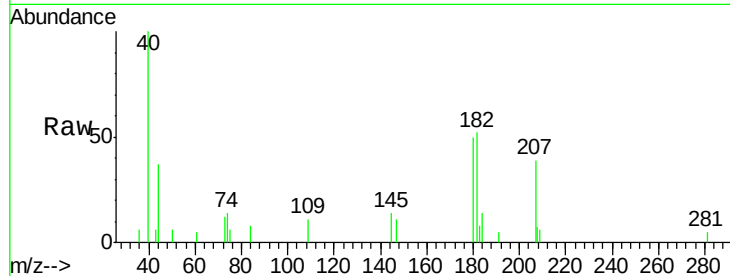
#93
 1,2,4-Trichlorobenzene
 Concen: 0.512 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	107.8	48.1	144.3
145	19.7	13.9	41.7

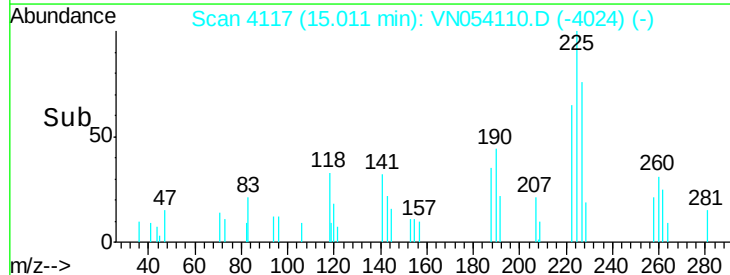
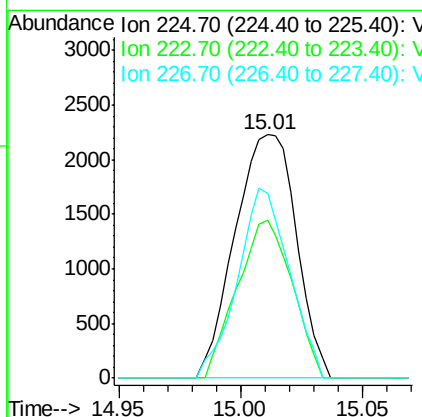
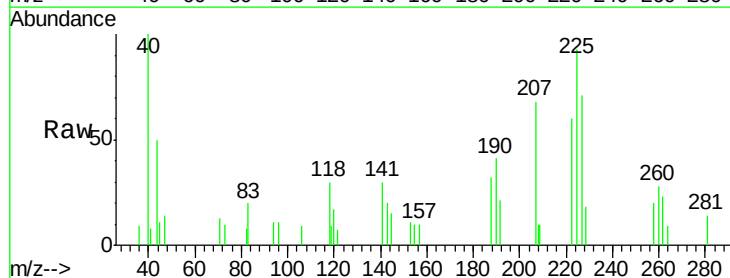
Manual Integrations
 APPROVED

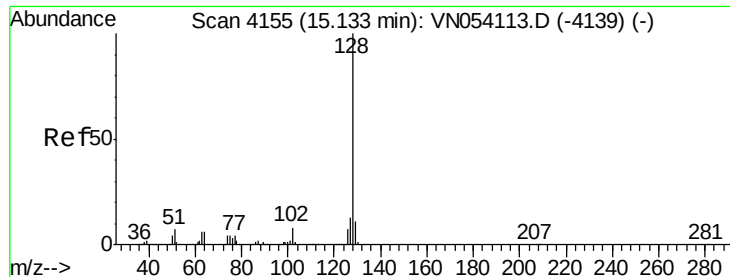
MMDadoda
 3/7/2019 11:37:55 AM



#94
 Hexachlorobutadiene
 Concen: 1.161 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054110.D
 Acq: 6 Mar 2019 10:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.2	31.2	93.6
227	65.3	31.9	95.7





#95

Naphthalene

Concen: 0.393 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Instrument :

MSVOA_N

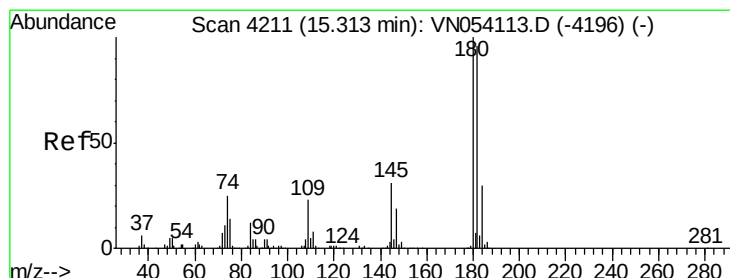
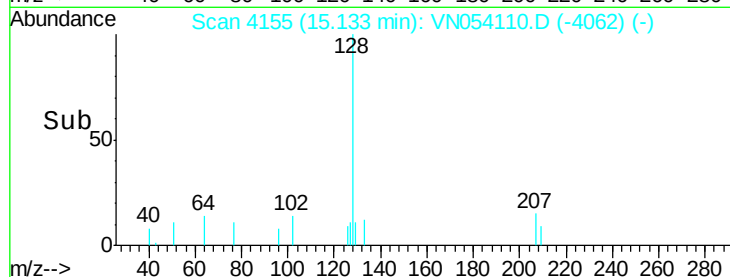
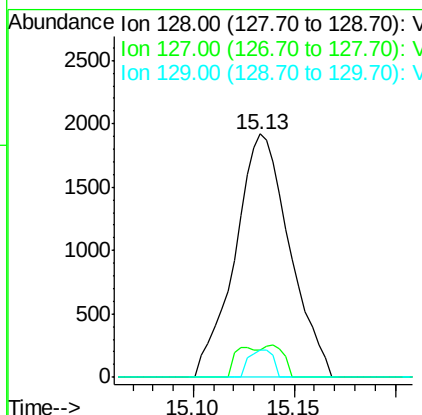
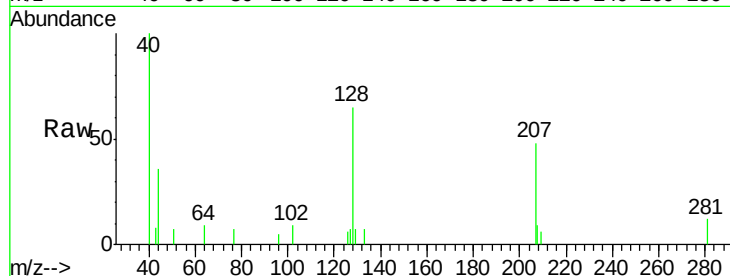
ClientSampled :

VSTDIC001

Tot Ion:	128	Resp:	3619
Ion	Ratio	Lower	Upper
128	100		
127	5.9	10.4	15.6#
129	5.0	8.6	12.8#

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:37:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 0.535 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054110.D

Acq: 6 Mar 2019 10:09

Tgt Ion:	180	Resp:	2405
Ion	Ratio	Lower	Upper
180	100		
182	111.9	47.9	143.7
145	25.7	14.9	44.5

