

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\
 Data File : VN055958.D
 Acq On : 3 Jun 2019 13:50
 Operator : JC/SP
 Sample : VN0603WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 11:24:42 AM

Quant Time: Jun 03 18:27:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	294700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	435560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	387536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157132	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	158312	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	7.59	113	137933	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	10.09	98	523177	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.40	95	173990	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	35664	17.982	ug/l	99
3) Chloromethane	2.06	50	51204	18.426	ug/l	98
4) Vinyl Chloride	2.18	62	53396	18.015	ug/l	99
5) Bromomethane	2.53	94	39835m	21.483	ug/l	
6) Chloroethane	2.68	64	34546	19.359	ug/l	98
7) Trichlorofluoromethane	3.00	101	73541	18.925	ug/l	96
8) Diethyl Ether	3.40	74	33054	18.979	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	47638	19.639	ug/l	100
10) Methyl Iodide	3.94	142	69278	19.535	ug/l	98
11) Tert butyl alcohol	4.81	59	66736m	114.766	ug/l	
12) 1,1-Dichloroethene	3.72	96	47133	18.806	ug/l	94
13) Acrolein	3.60	56	28023	67.302	ug/l	98
14) Allyl chloride	4.31	41	77917	18.135	ug/l	98
15) Acrylonitrile	4.99	53	143836	107.721	ug/l	99
16) Acetone	3.82	43	132940	99.370	ug/l	97
17) Carbon Disulfide	4.04	76	97135	13.641	ug/l	99
18) Methyl Acetate	4.33	43	65427	23.383	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	166102	19.871	ug/l	98
20) Methylene Chloride	4.54	84	56978	19.666	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	50115	18.612	ug/l	95
22) Diisopropyl ether	5.95	45	169733	20.311	ug/l	98
23) Vinyl Acetate	5.90	43	677193	94.515	ug/l	100
24) 1,1-Dichloroethane	5.84	63	95786	19.686	ug/l	99
25) 2-Butanone	6.84	43	193755	103.702	ug/l	100
26) 2,2-Dichloropropane	6.82	77	70743	16.800	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	61763	19.661	ug/l	99
28) Bromochloromethane	7.19	49	48013	20.726	ug/l	100
29) Tetrahydrofuran	7.22	42	125460	106.035	ug/l	99
30) Chloroform	7.37	83	97792	20.154	ug/l	99
31) Cyclohexane	7.65	56	84963	18.599	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	80480	18.586	ug/l	99
36) 1,1-Dichloropropene	7.79	75	68447	18.033	ug/l	99
37) Ethyl Acetate	6.93	43	73638	20.073	ug/l	99
38) Carbon Tetrachloride	7.77	117	64533	16.322	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\
 Data File : VN055958.D
 Acq On : 3 Jun 2019 13:50
 Operator : JC/SP
 Sample : VN0603WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0603WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 11:24:42 AM

Quant Time: Jun 03 18:27:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	83003	17.659	ug/l	99
40) Benzene	8.04	78	224848	19.655	ug/l	99
41) Methacrylonitrile	7.17	41	32389	17.476	ug/l	89
42) 1,2-Dichloroethane	8.12	62	74766	20.001	ug/l	100
43) Isopropyl Acetate	8.17	43	117200	19.014	ug/l #	92
44) Trichloroethene	8.83	130	62367	19.556	ug/l	97
45) 1,2-Dichloropropane	9.12	63	60417	20.271	ug/l	98
46) Dibromomethane	9.21	93	38907	19.905	ug/l	99
47) Bromodichloromethane	9.40	83	70914	17.693	ug/l	98
48) Methyl methacrylate	9.20	41	56225	19.792	ug/l	97
49) 1,4-Dioxane	9.20	88	24515	415.274	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	376587	103.448	ug/l	100
52) Toluene	10.16	92	144653	20.106	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	71274	16.659	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	86040	18.154	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	58341	20.241	ug/l	98
56) Ethyl methacrylate	10.43	69	86250	19.363	ug/l	99
57) 1,3-Dichloropropane	10.71	76	94985	20.274	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	155287	91.221	ug/l	99
59) 2-Hexanone	10.75	43	265161	102.676	ug/l	99
60) Dibromochloromethane	10.90	129	55603	16.560	ug/l	99
61) 1,2-Dibromoethane	11.00	107	59295	19.834	ug/l	98
64) Tetrachloroethene	10.63	164	63906	19.552	ug/l	99
65) Chlorobenzene	11.43	112	153640	19.804	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54916	17.748	ug/l	98
67) Ethyl Benzene	11.51	91	267562	19.232	ug/l	100
68) m/p-Xylenes	11.62	106	202768	38.552	ug/l	100
69) o-Xylene	11.95	106	100848	19.326	ug/l	100
70) Styrene	11.96	104	163154	19.307	ug/l	99
71) Bromoform	12.13	173	38528	14.598	ug/l #	100
73) Isopropylbenzene	12.25	105	269311	22.635	ug/l	100
74) N-amyl acetate	12.07	43	94979	21.000	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	82613	23.179	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	67706m	23.345	ug/l	
77) Bromobenzene	12.53	156	70404	20.997	ug/l	98
78) n-propylbenzene	12.59	91	276441	20.242	ug/l	99
79) 2-Chlorotoluene	12.67	91	173385	22.150	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	218021	21.726	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18828	16.122	ug/l	87
82) 4-Chlorotoluene	12.77	91	161689	20.141	ug/l	100
83) tert-Butylbenzene	12.99	119	199494	22.890	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	213173	21.354	ug/l	99
85) sec-Butylbenzene	13.17	105	249457	22.274	ug/l	99
86) p-Isopropyltoluene	13.29	119	218524	20.026	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	105470	19.865	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	98762	19.565	ug/l	100
89) n-Butylbenzene	13.61	91	152592	18.250	ug/l	99
90) Hexachloroethane	13.87	117	33350	16.057	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	107690	20.330	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11702	16.808	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\
Data File : VN055958.D
Acq On : 3 Jun 2019 13:50
Operator : JC/SP
Sample : VN0603WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM

Quant Time: Jun 03 18:27:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41856	16.372	ug/l	99
94) Hexachlorobutadiene	15.01	225	39007	19.822	ug/l	99
95) Naphthalene	15.13	128	121267	16.683	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	49848	17.802	ug/l	99

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

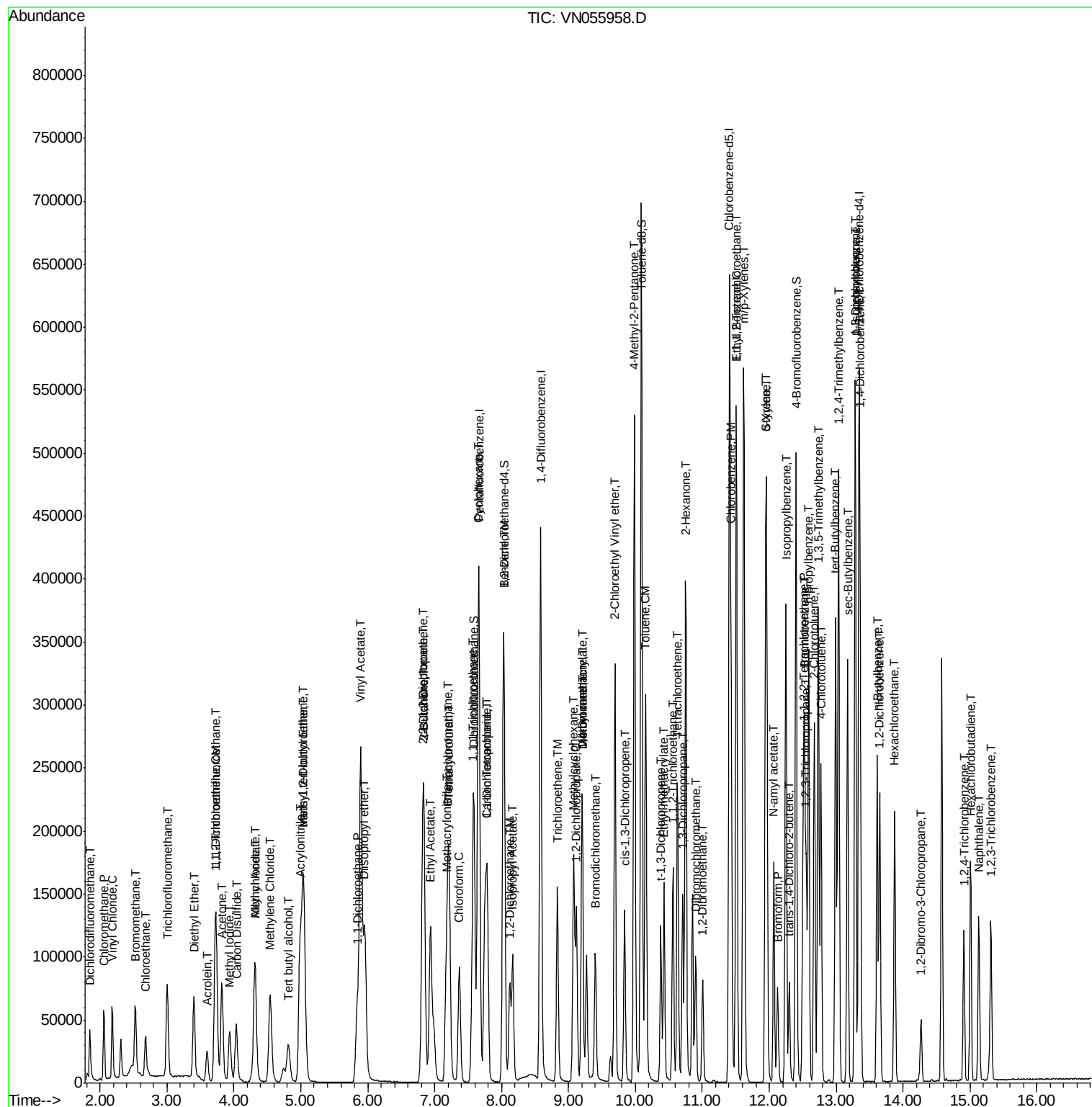
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060319\
Data File : VN055958.D
Acq On : 3 Jun 2019 13:50
Operator : JC/SP
Sample : VN0603WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

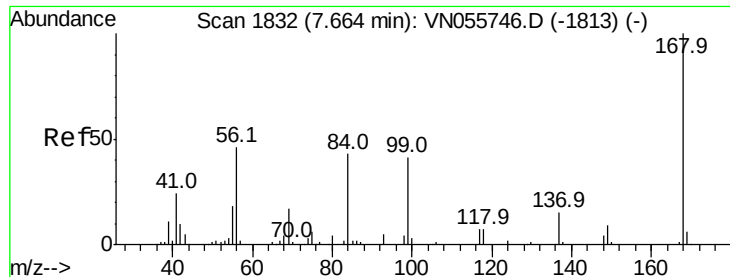
Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM

Quant Time: Jun 03 18:27:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion:168 Resp: 294700

Ion Ratio Lower Upper

168 100

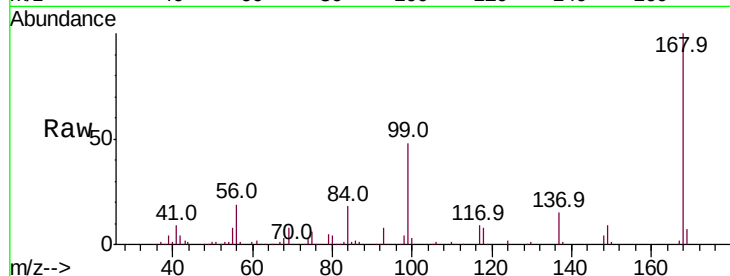
99 47.6 37.2 55.8

Manual Integrations

APPROVED

MMDadoda

6/4/2019 11:24:42 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

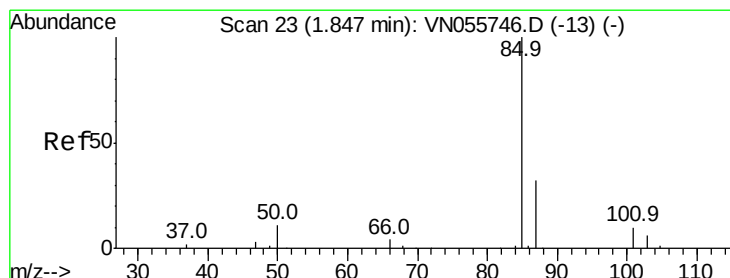
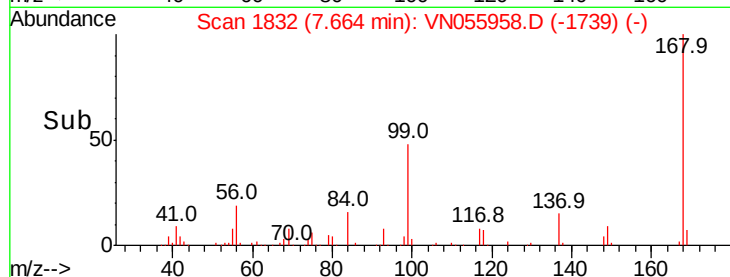
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.982 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055958.D

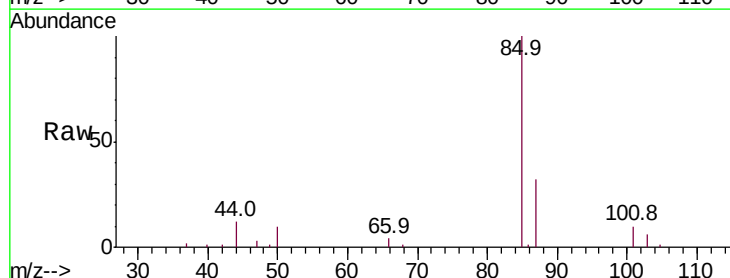
Acq: 3 Jun 2019 13:50

Tgt Ion: 85 Resp: 35664

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

25000

20000

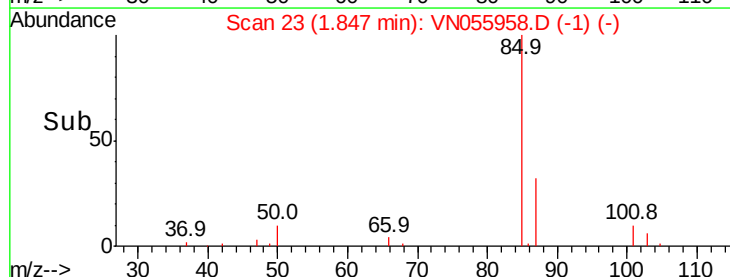
15000

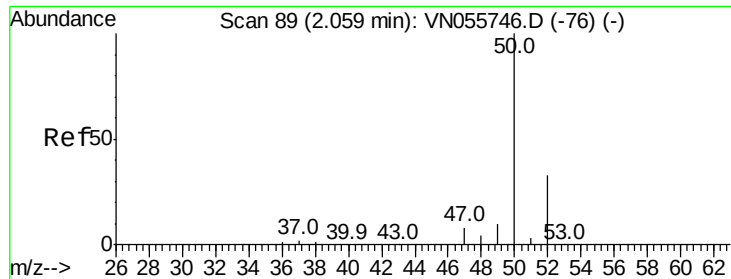
10000

5000

0

Time-->





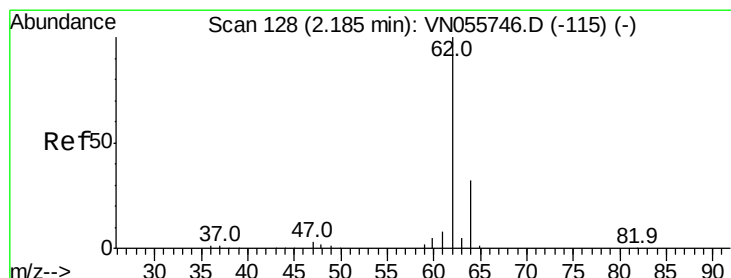
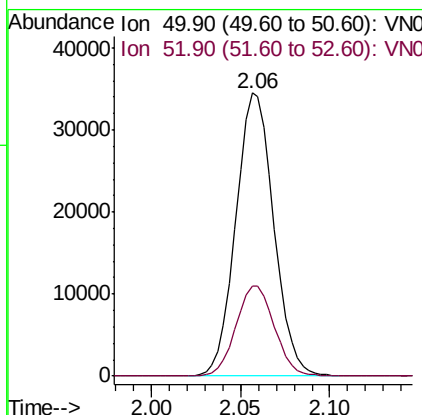
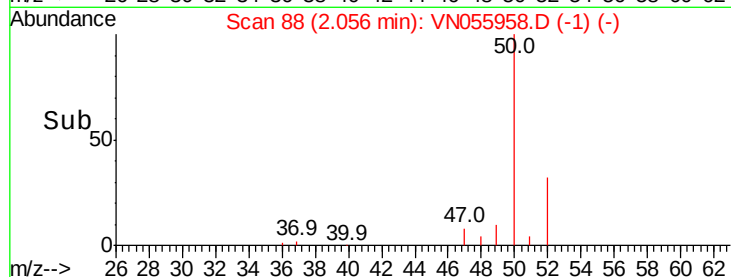
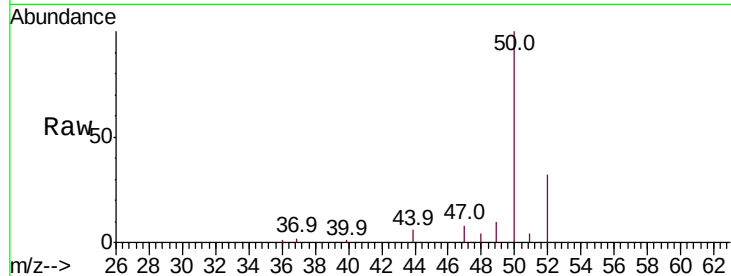
#3
Chloromethane
Concen: 18.426 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion: 50 Resp: 51204
Ion Ratio Lower Upper
50 100
52 32.0 26.6 40.0

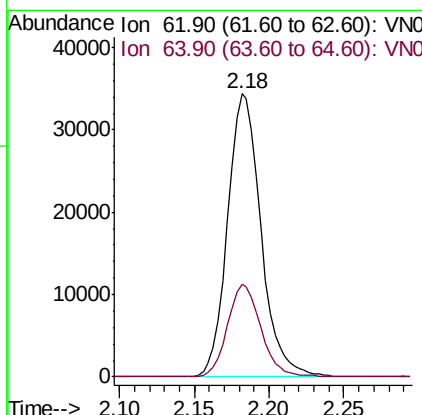
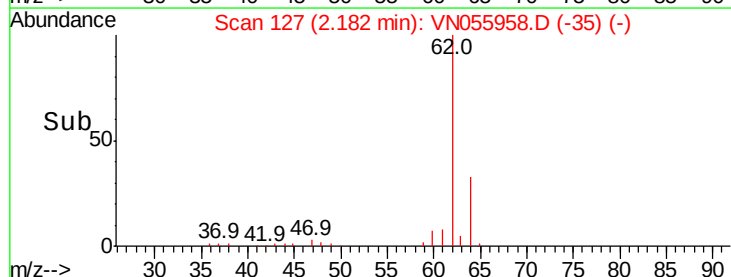
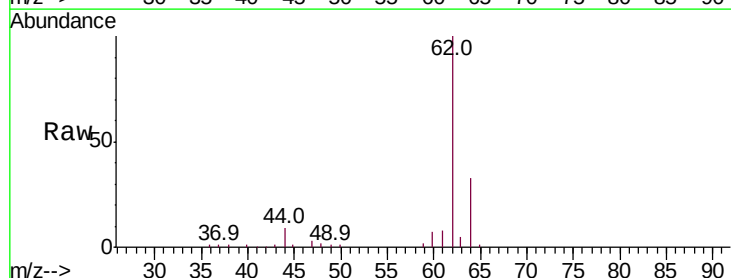
Manual Integrations
APPROVED

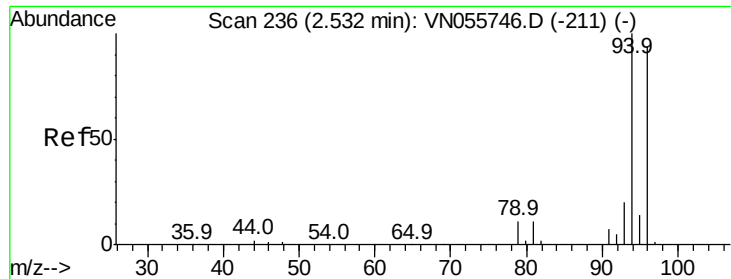
MMDadoda
6/4/2019 11:24:42 AM



#4
Vinyl Chloride
Concen: 18.015 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion: 62 Resp: 53396
Ion Ratio Lower Upper
62 100
64 32.8 25.6 38.4





#5

Bromomethane

Concen: 21.483 ug/l m

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBS01

Tot Ion: 94 Resp: 39835

Ion Ratio Lower Upper

94 100

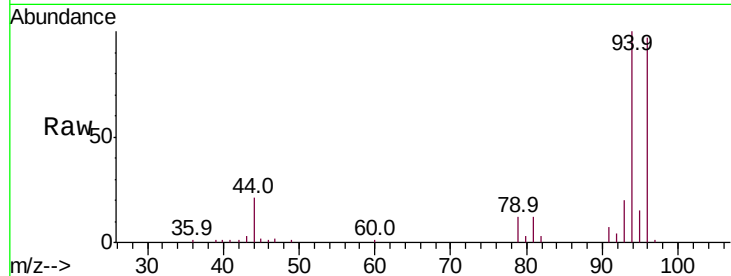
96 96.5 75.5 113.3

Manual Integrations

APPROVED

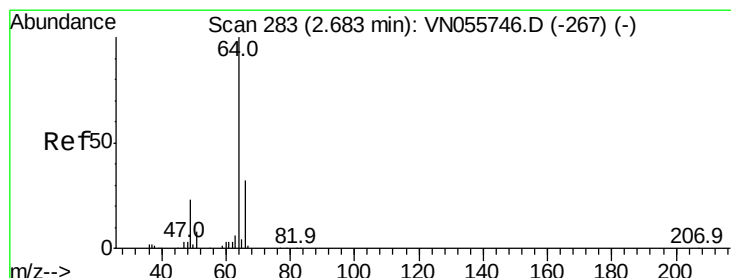
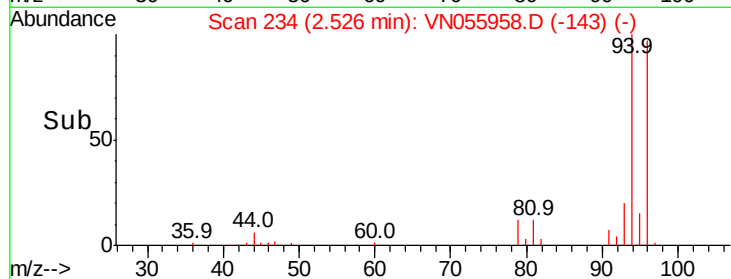
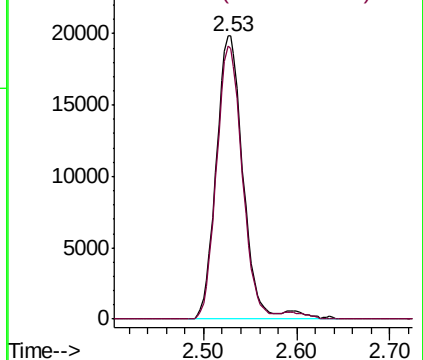
MMDadoda

6/4/2019 11:24:42 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.359 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN055958.D

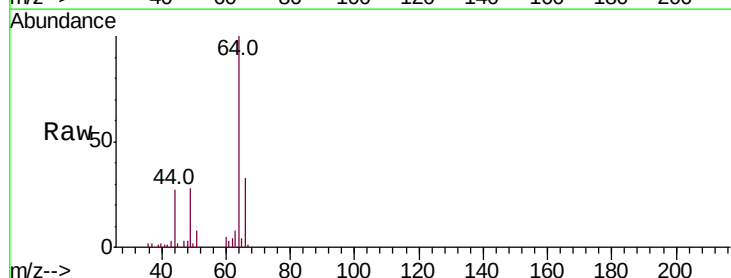
Acq: 3 Jun 2019 13:50

Tgt Ion: 64 Resp: 34546

Ion Ratio Lower Upper

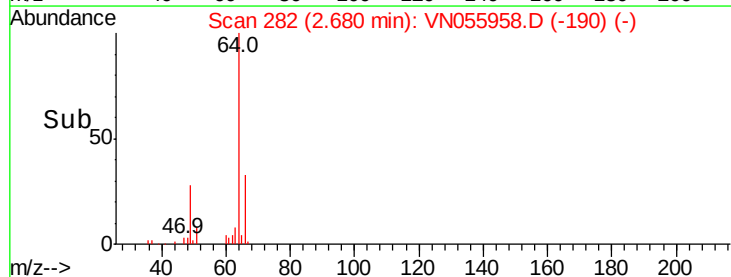
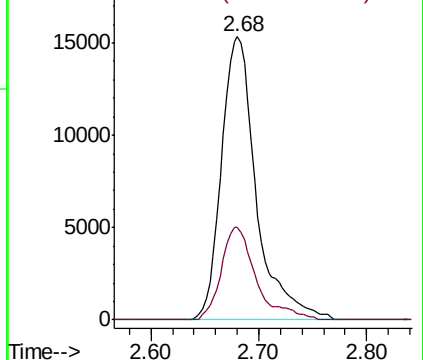
64 100

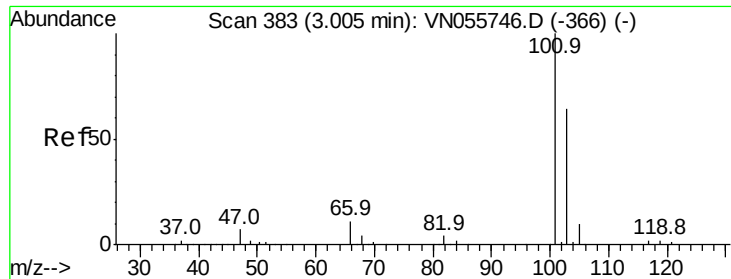
66 32.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

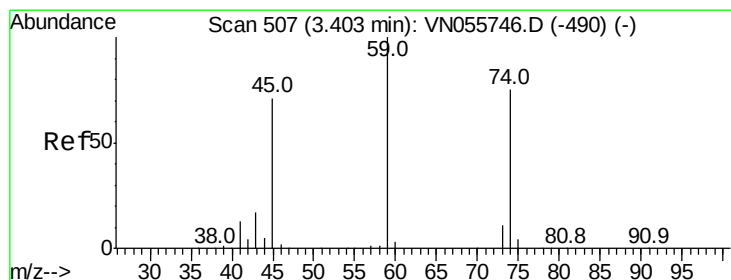
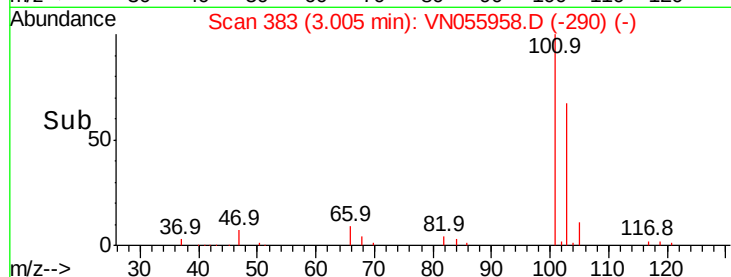
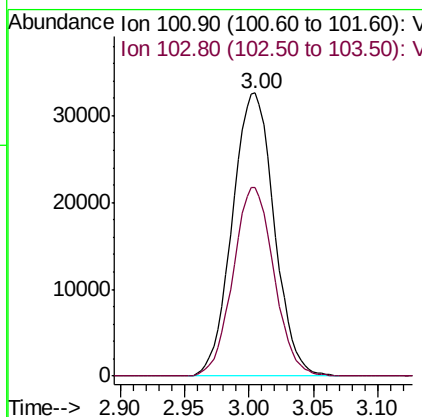
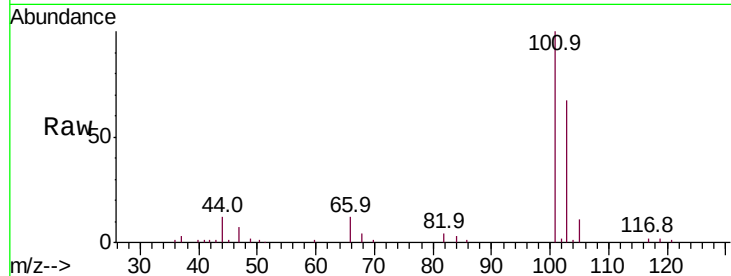
Trichlorofluoromethane
Concen: 18.925 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	51.2	76.8

Manual Integrations
APPROVED

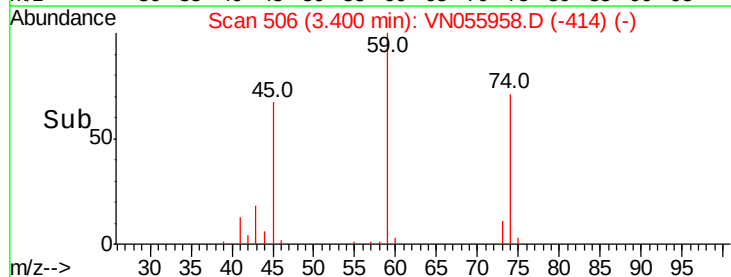
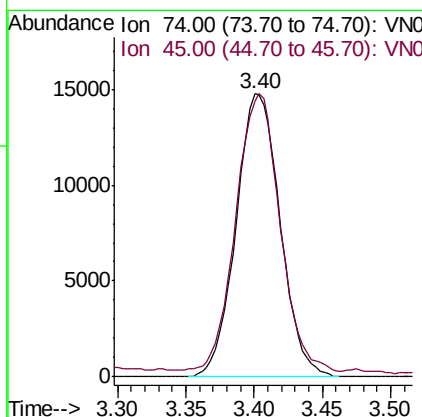
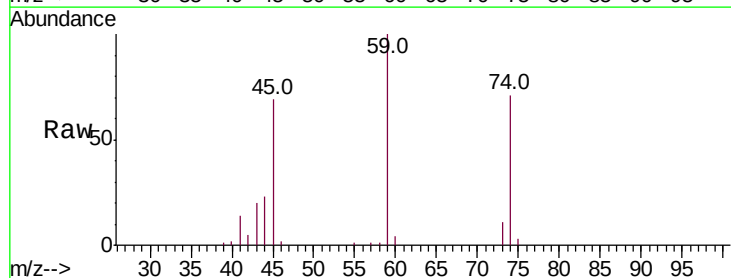
MMDadoda
6/4/2019 11:24:42 AM

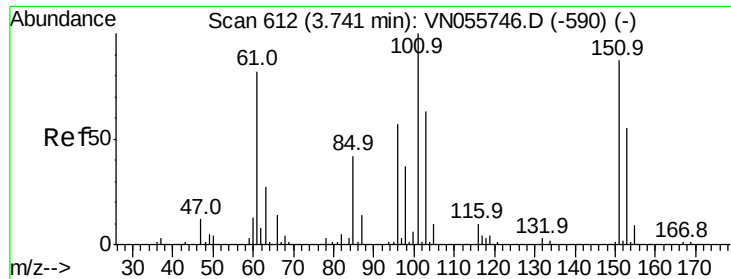


#8

Diethyl Ether
Concen: 18.979 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.639 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion:101 Resp: 47638

Ion Ratio Lower Upper

101 100

85 41.4 33.4 50.2

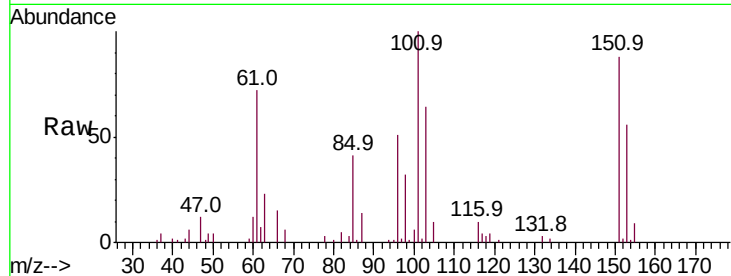
151 87.1 69.4 104.2

Manual Integrations

APPROVED

MMDadoda

6/4/2019 11:24:42 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

Time-->

3.65 3.70 3.75 3.80 3.85

20000

15000

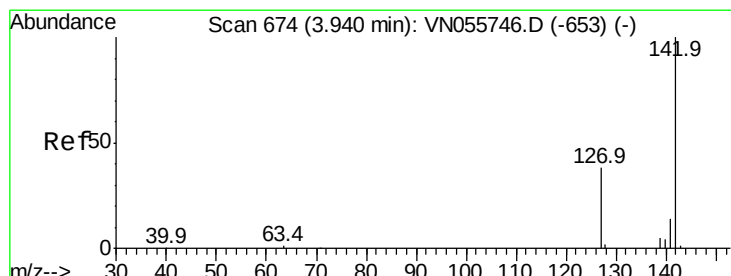
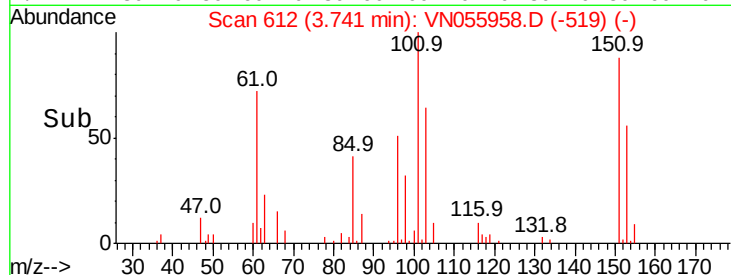
10000

5000

0

3.74

3.65 3.70 3.75 3.80 3.85



#10

Methyl Iodide

Concen: 19.535 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

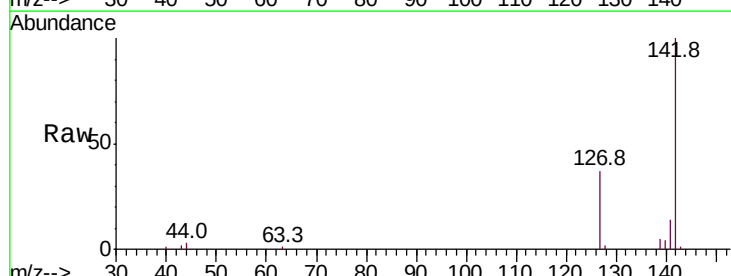
Tgt Ion:142 Resp: 69278

Ion Ratio Lower Upper

142 100

127 37.6 31.0 46.4

141 13.5 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

Time-->

3.80 3.90 4.00

30000

25000

20000

15000

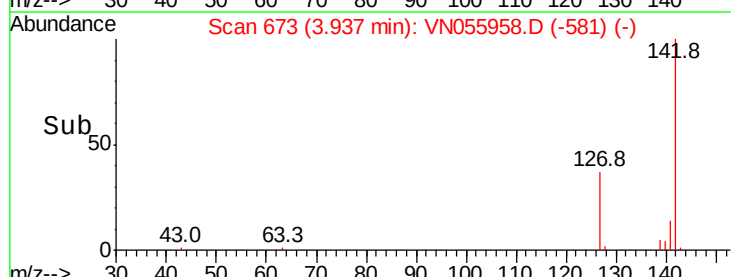
10000

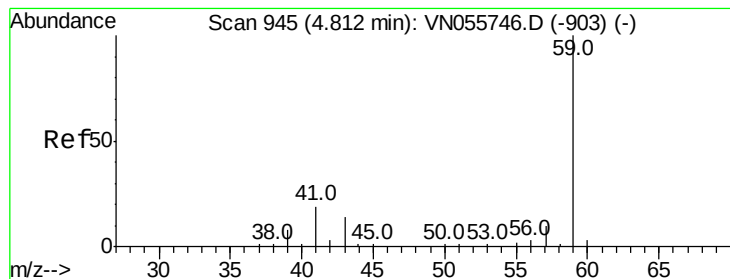
5000

0

3.94

3.80 3.90 4.00





#11

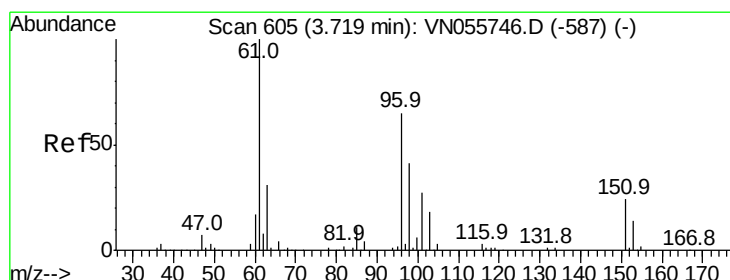
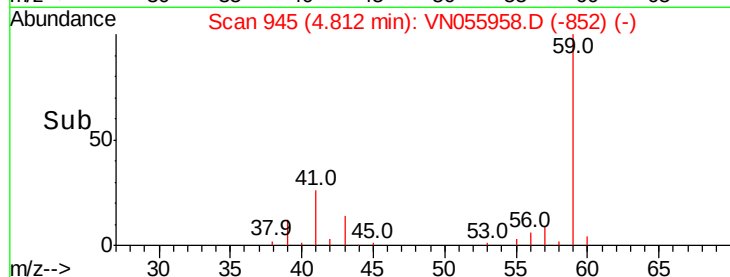
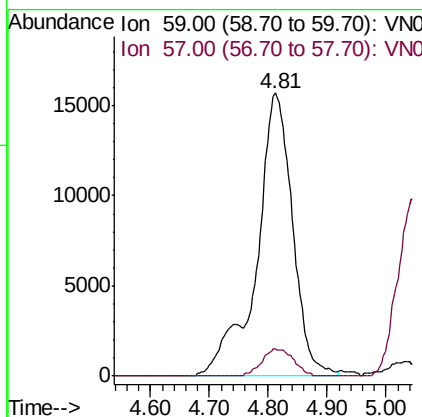
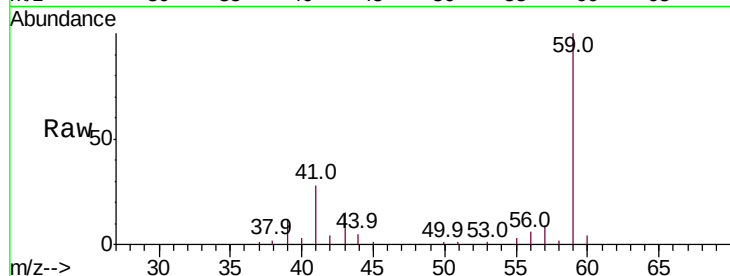
Tert butyl alcohol
 Concen: 114.766 ug/l m
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.4	7.8	11.6

Manual Integrations
 APPROVED

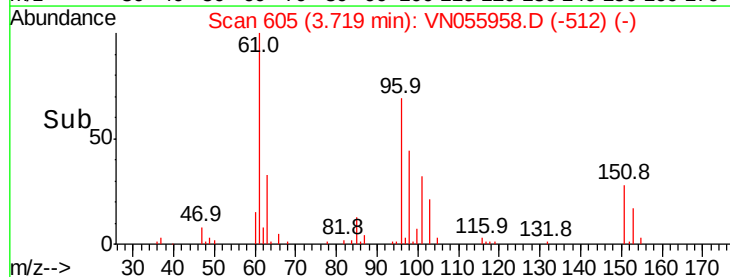
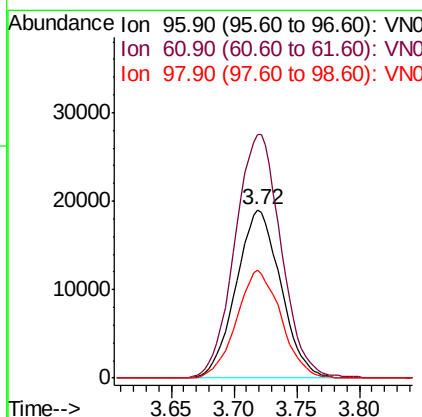
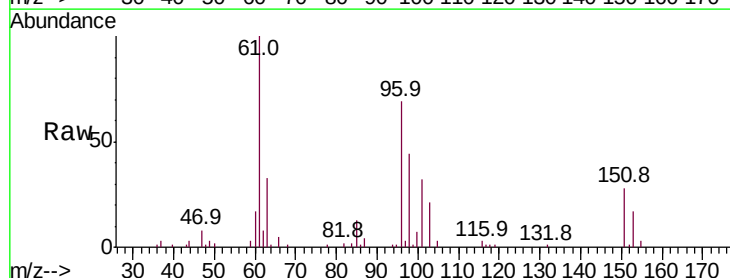
MMDadoda
 6/4/2019 11:24:42 AM

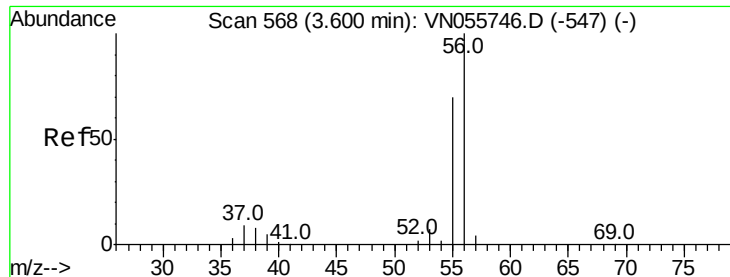


#12

1,1-Dichloroethene
 Concen: 18.806 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.4	123.2	184.8
98	63.9	50.4	75.6





#13

Acrolein

Concen: 67.302 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion: 56 Resp: 28023

Ion Ratio Lower Upper

56 100

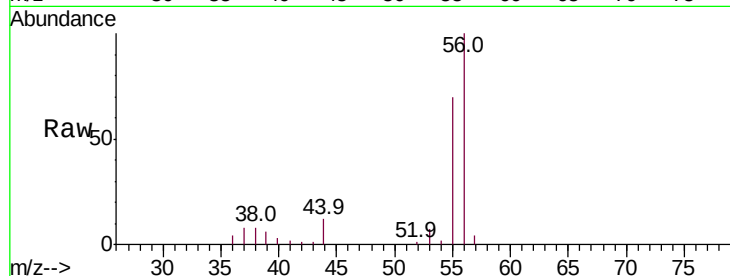
55 70.5 55.4 83.2

Manual Integrations

APPROVED

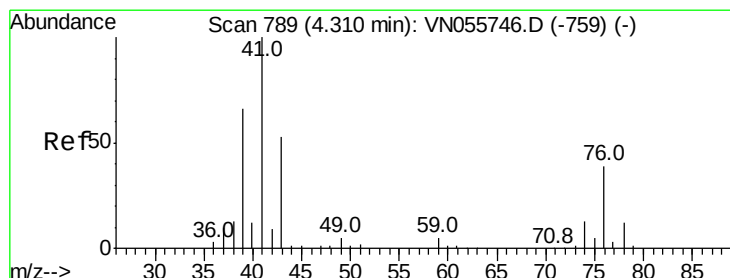
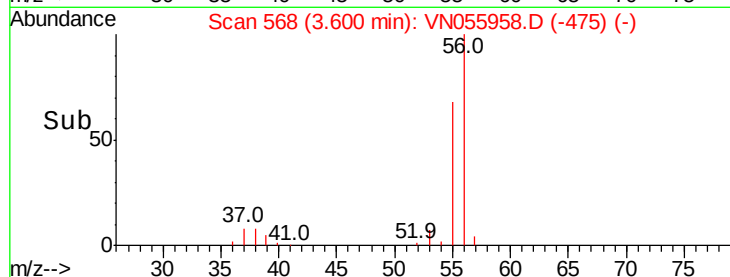
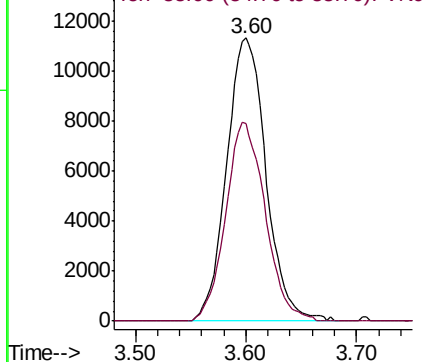
MMDadoda

6/4/2019 11:24:42 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.135 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

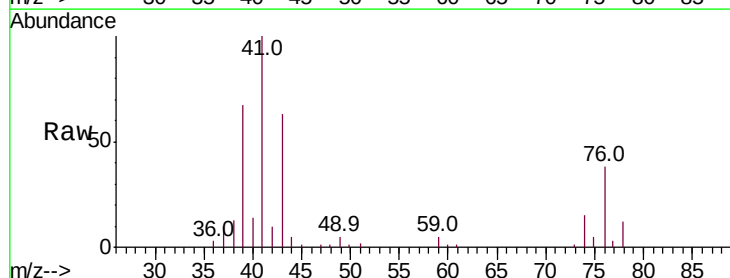
Tgt Ion: 41 Resp: 77917

Ion Ratio Lower Upper

41 100

39 62.0 50.0 75.0

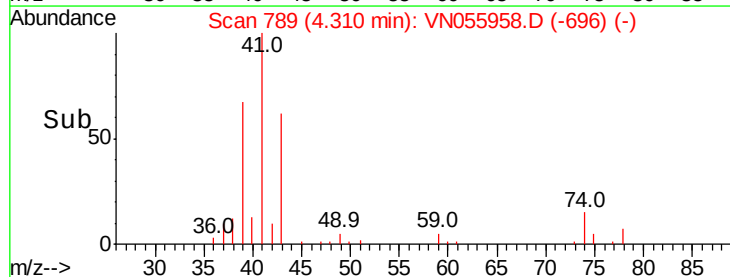
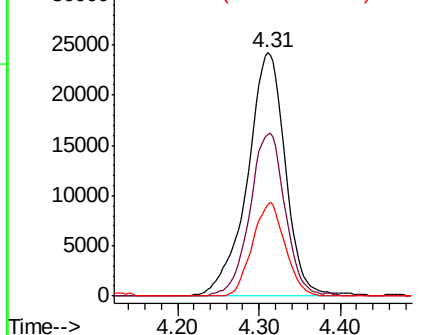
76 32.9 28.2 42.2

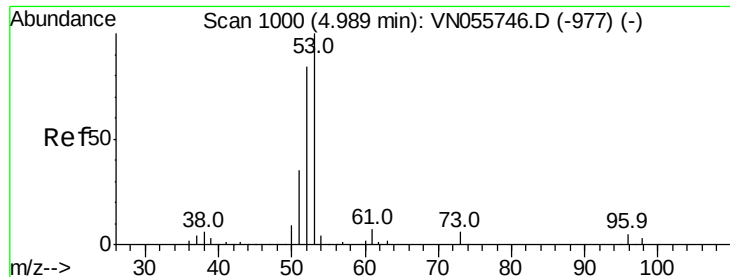


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 107.721 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

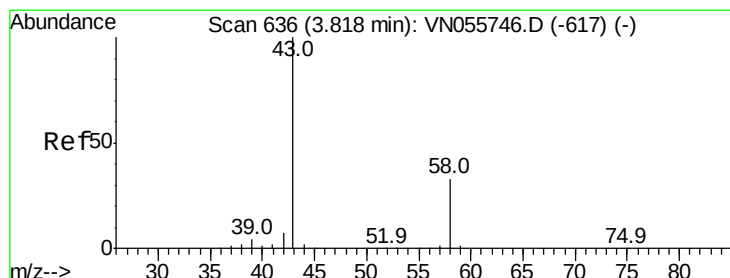
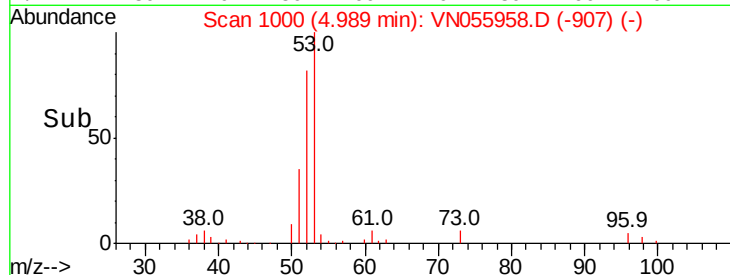
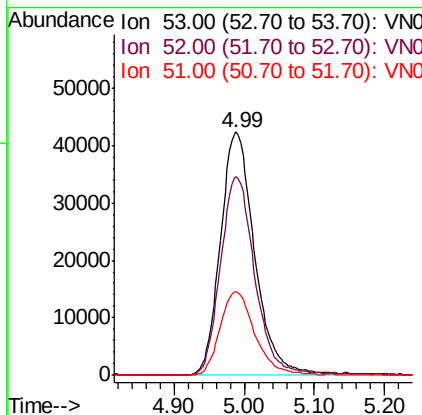
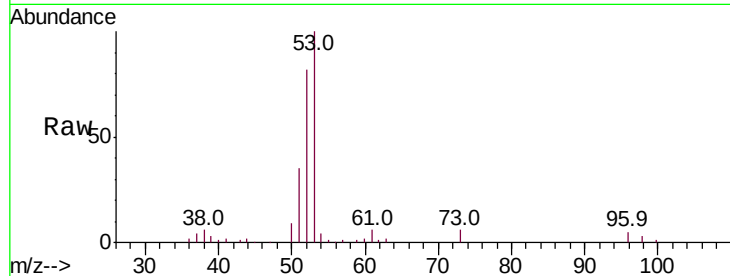
ClientSampled :

VN0603WBS01

Tot Ion:	53	Resp:	143836
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.8	98.8
51	35.1	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM



#16

Acetone

Concen: 99.370 ug/l

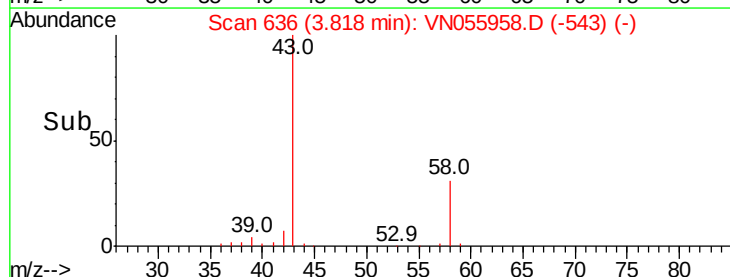
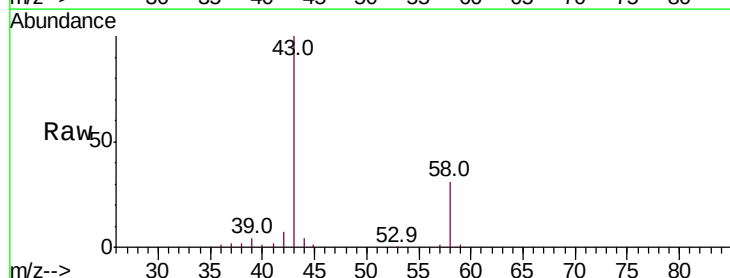
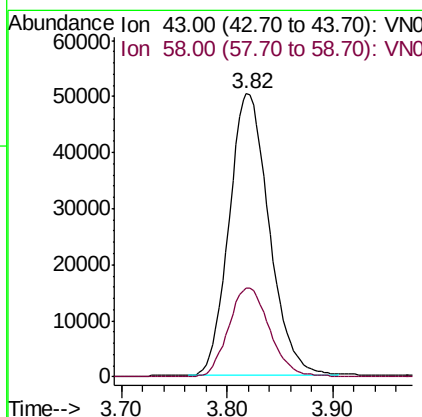
RT: 3.82 min Scan# 636

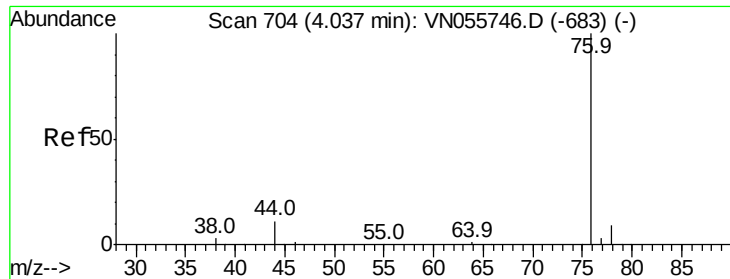
Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Tgt Ion:	43	Resp:	132940
Ion	Ratio	Lower	Upper
43	100		
58	31.5	26.6	39.8





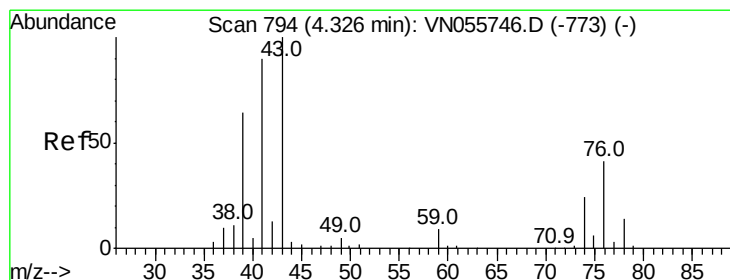
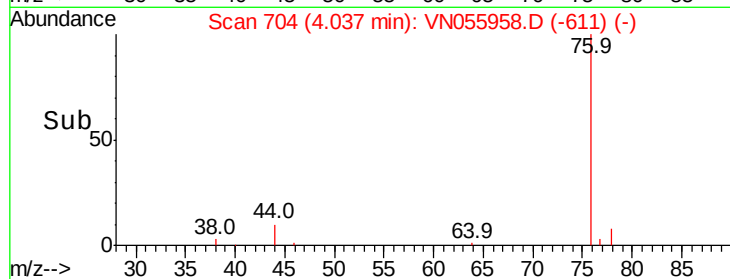
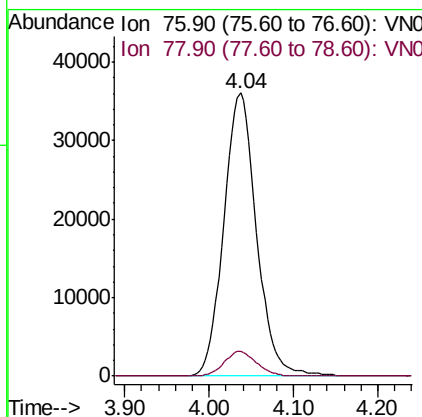
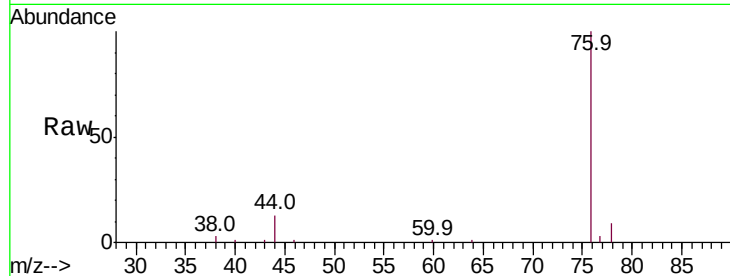
#17
Carbon Disulfide
Concen: 13.641 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampled :
VN0603WBS01

Tot Ion: 76 Resp: 97135
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

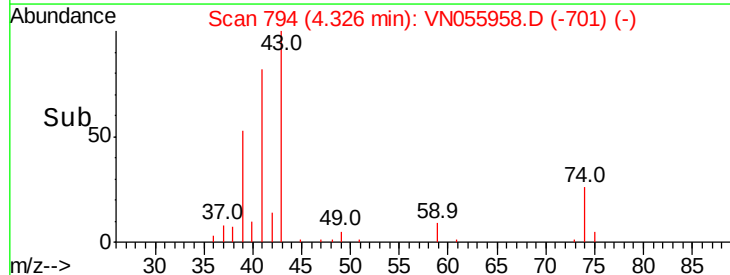
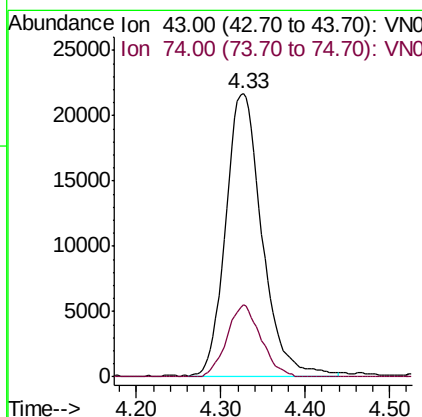
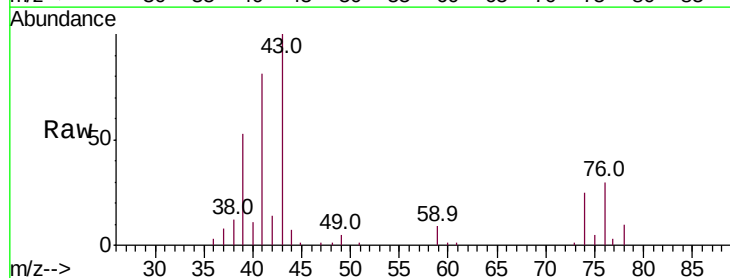
Manual Integrations
APPROVED

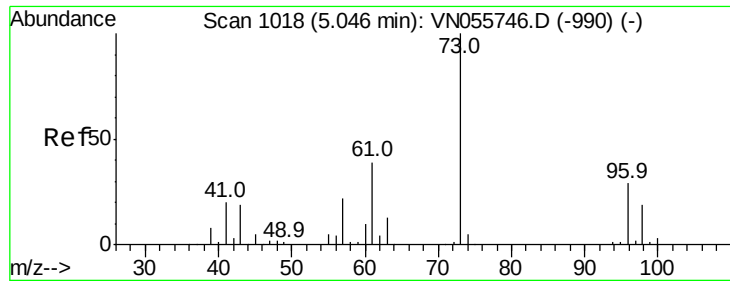
MMDadoda
6/4/2019 11:24:42 AM



#18
Methyl Acetate
Concen: 23.383 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion: 43 Resp: 65427
Ion Ratio Lower Upper
43 100
74 23.6 19.3 28.9





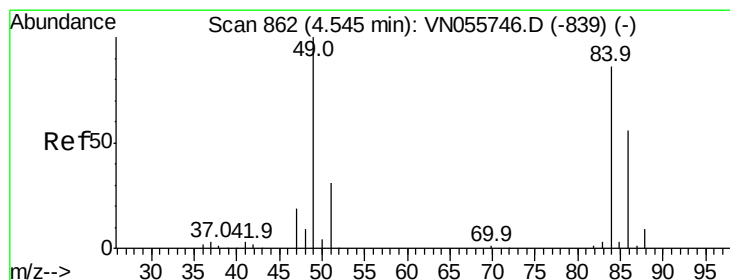
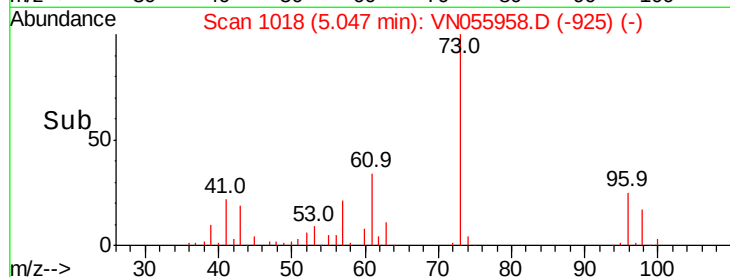
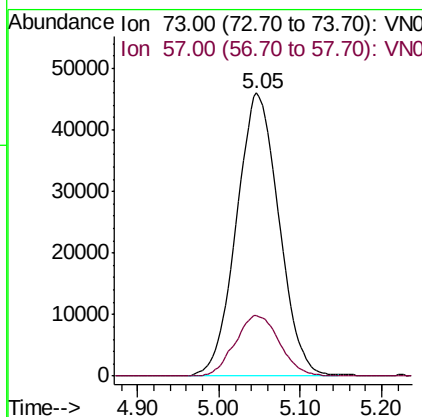
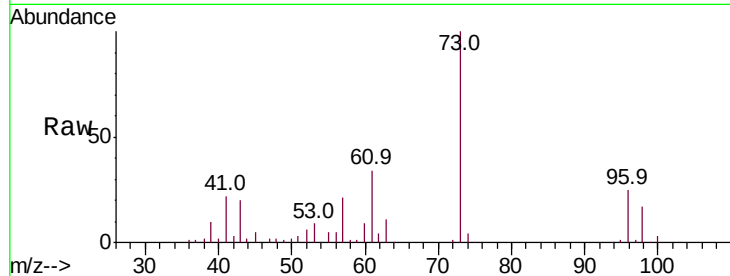
#19
Methyl tert-butyl Ether
Concen: 19.871 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampled :
VN0603WBS01

Tot Ion: 73 Resp: 166102
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.8

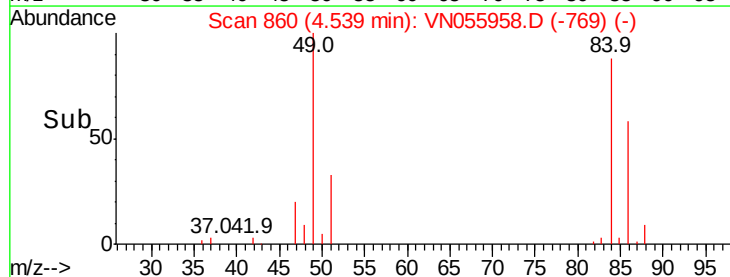
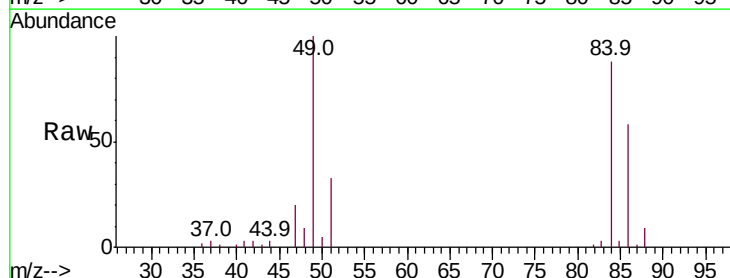
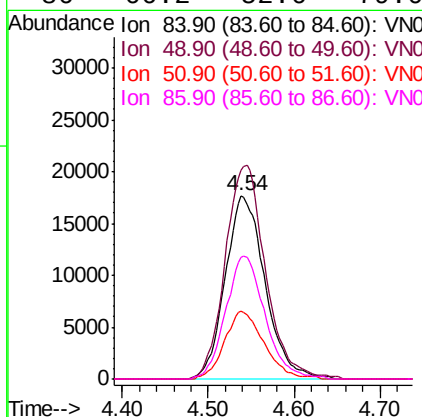
Manual Integrations
APPROVED

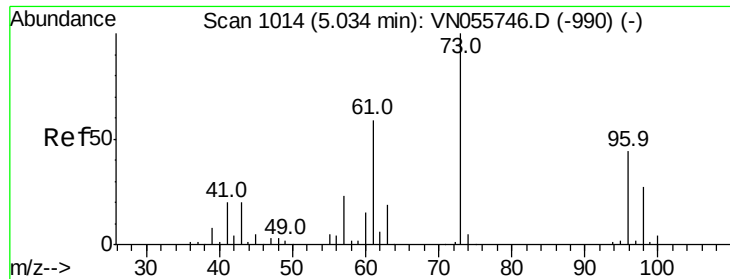
MMDadoda
6/4/2019 11:24:42 AM



#20
Methylene Chloride
Concen: 19.666 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion: 84 Resp: 56978
Ion Ratio Lower Upper
84 100
49 114.1 93.5 140.3
51 37.2 28.6 43.0
86 66.2 52.6 79.0





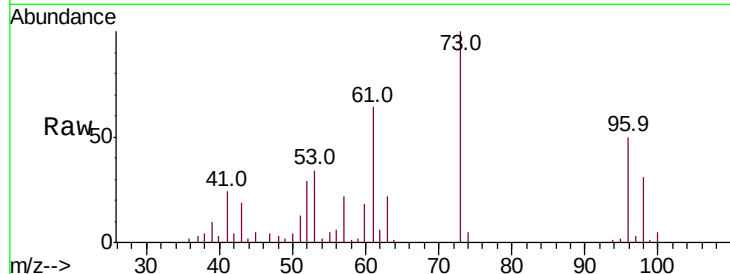
#21
trans-1,2-Dichloroethene
Concen: 18.612 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampled :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.1	107.8	161.8
98	61.7	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM

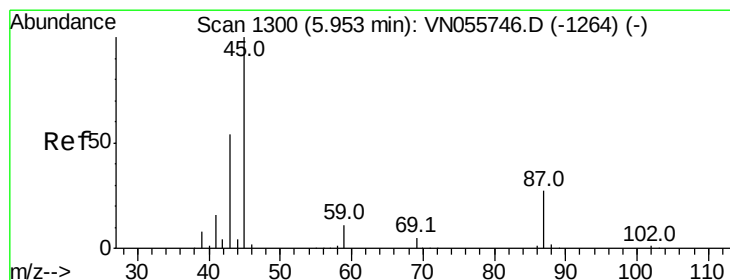
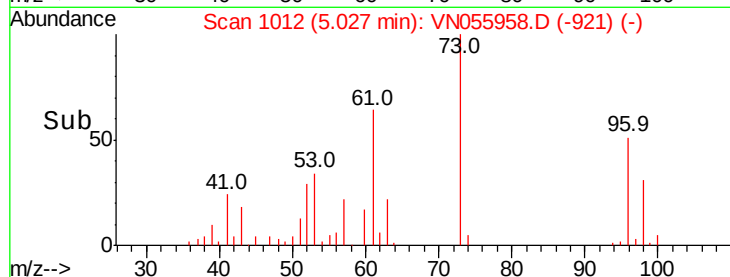
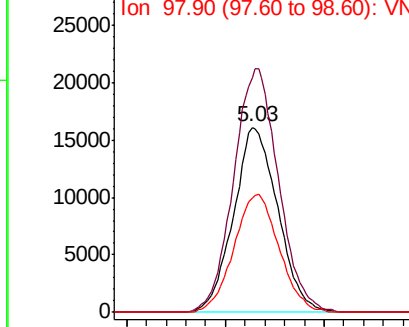


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 20.311 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	45.0	67.6
87	27.8	22.2	33.4
59	11.6	9.1	13.7

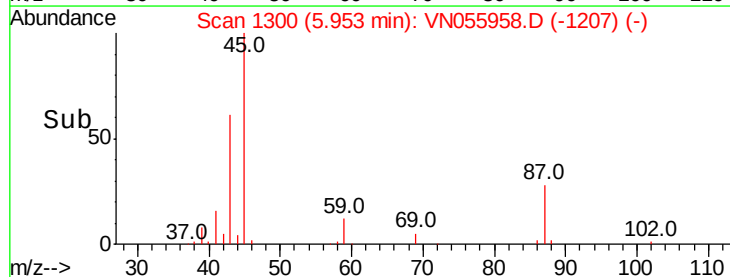
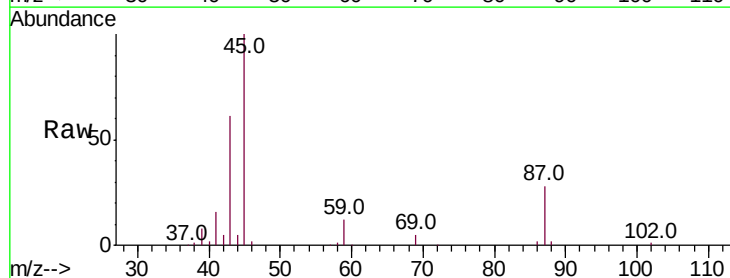
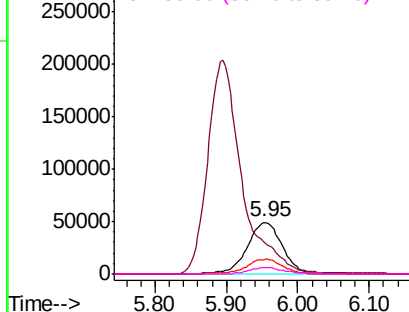
Abundance

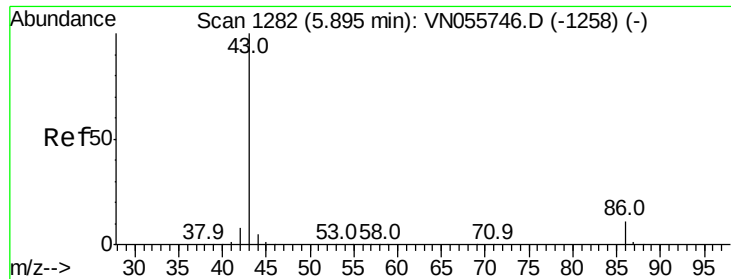
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 94.515 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion: 43 Resp: 677193

Ion Ratio Lower Upper

43 100

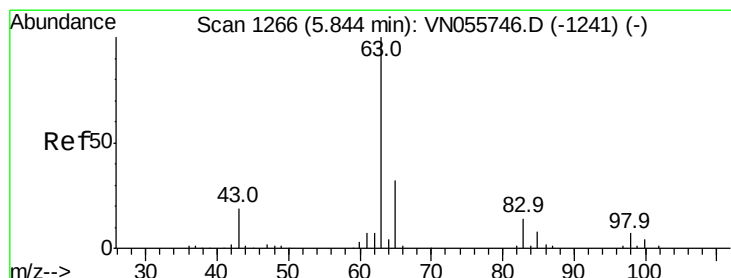
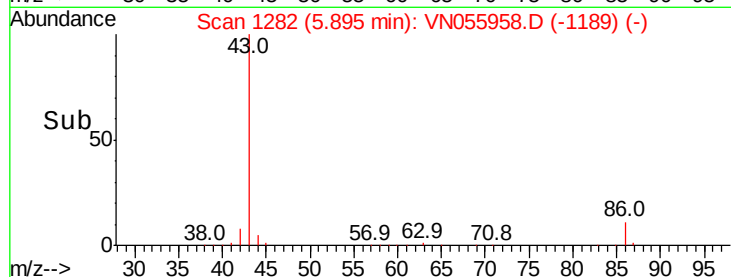
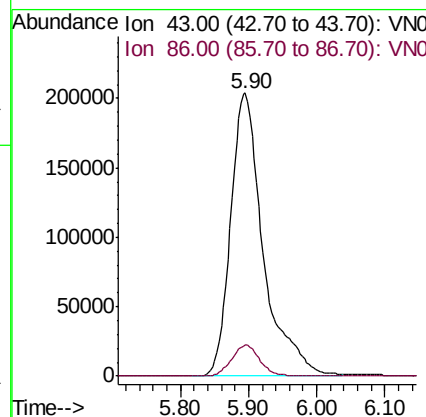
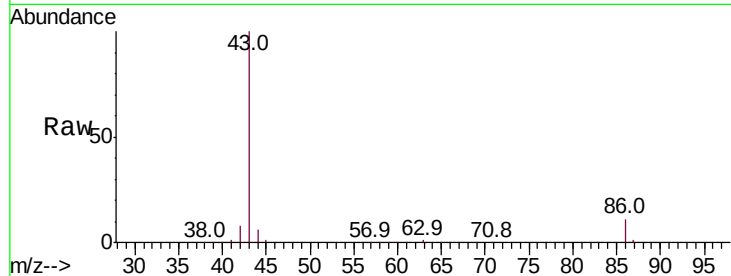
86 11.0 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

6/4/2019 11:24:42 AM



#24

1,1-Dichloroethane

Concen: 19.686 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

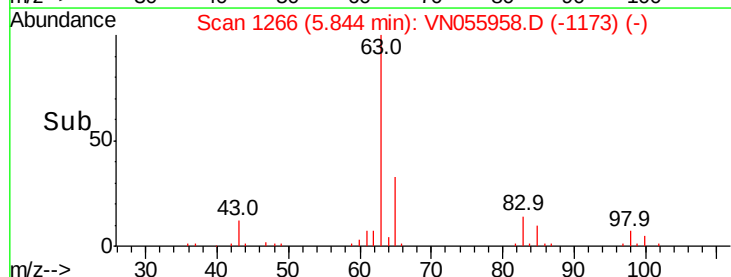
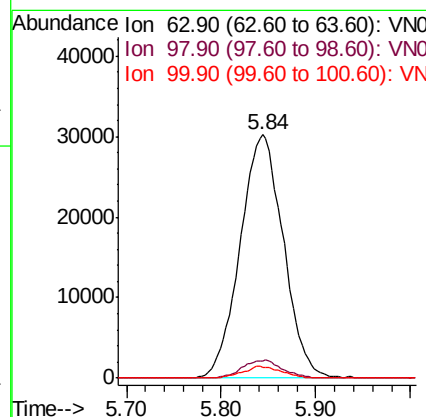
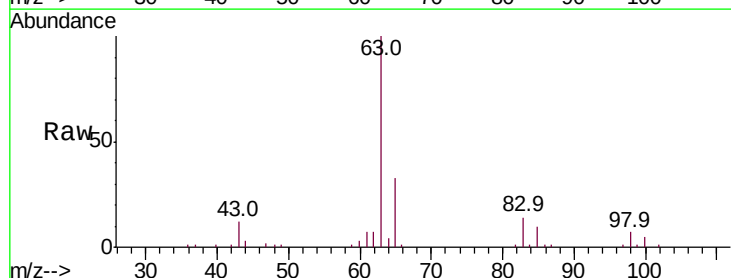
Tgt Ion: 63 Resp: 95786

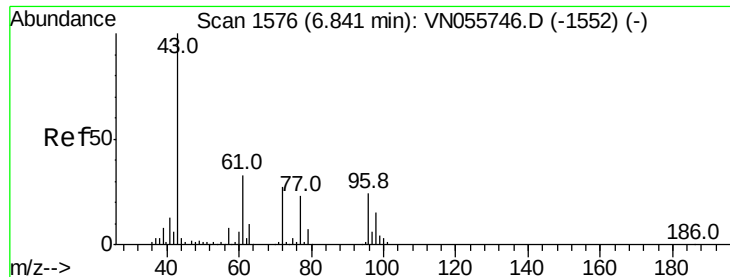
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 103.702 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBS01

Tot Ion: 43 Resp: 193755

Ion Ratio Lower Upper

43 100

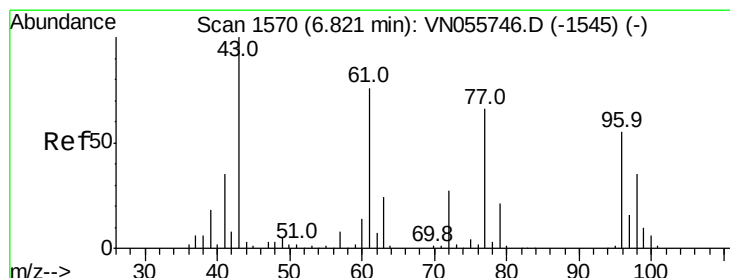
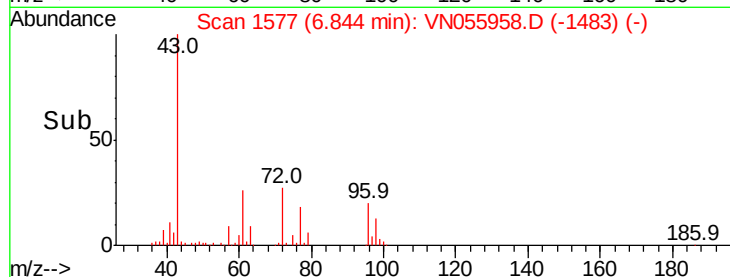
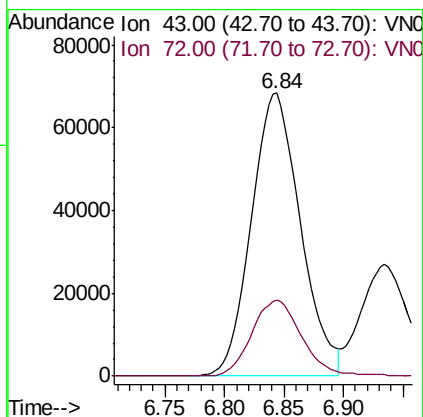
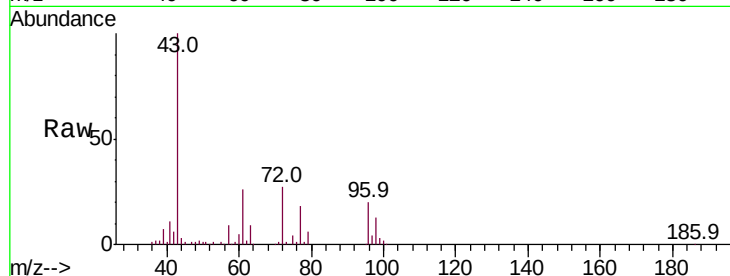
72 27.2 21.9 32.9

Manual Integrations

APPROVED

MMDadoda

6/4/2019 11:24:42 AM



#26

2,2-Dichloropropane

Concen: 16.800 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN055958.D

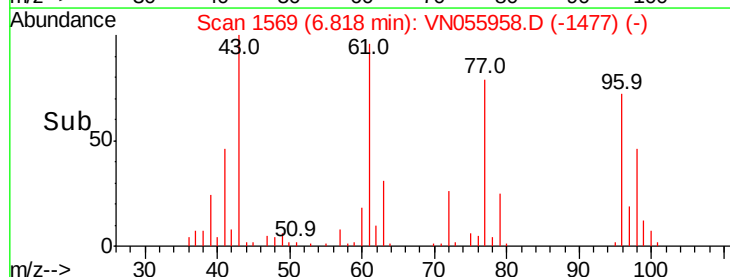
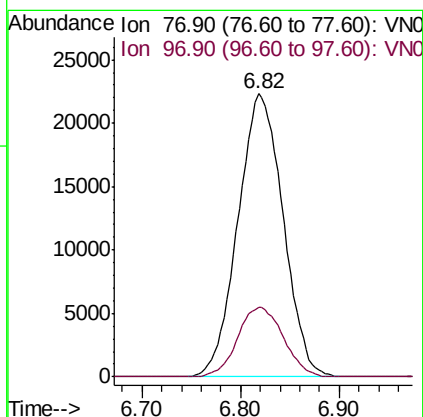
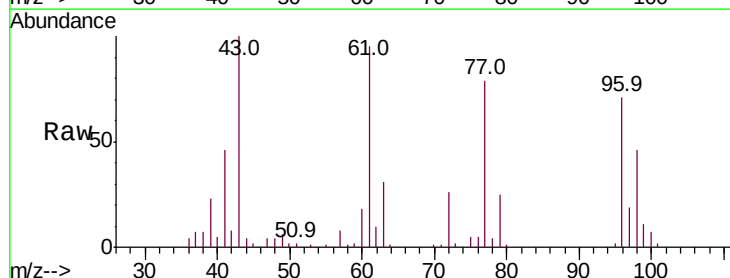
Acq: 3 Jun 2019 13:50

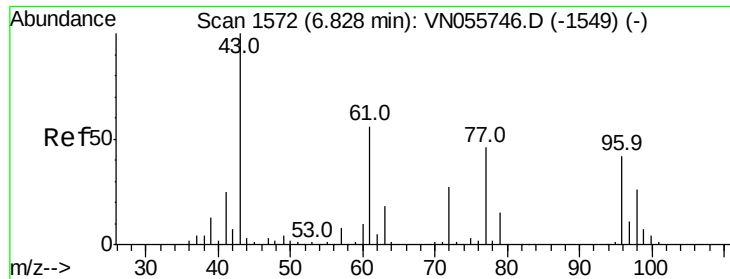
Tgt Ion: 77 Resp: 70743

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.661 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

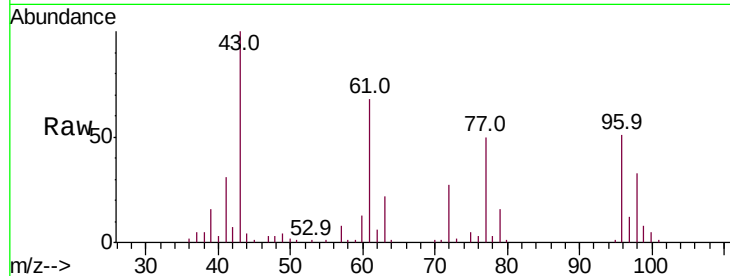
ClientSampleId :

VN0603WBS01

Tot Ion:	96	Resp:	61763
Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	275.8
98	66.2	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM

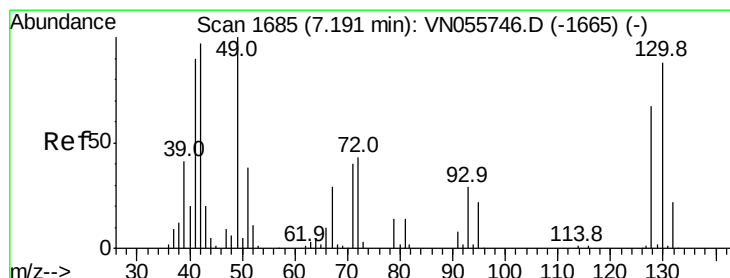
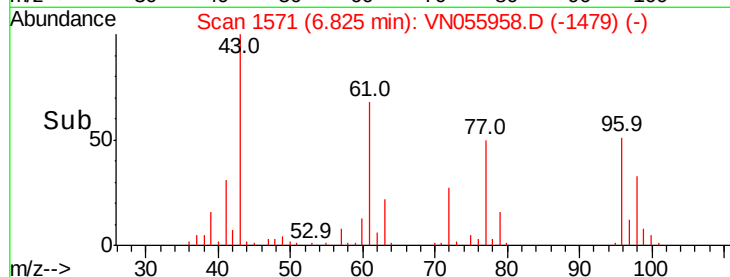
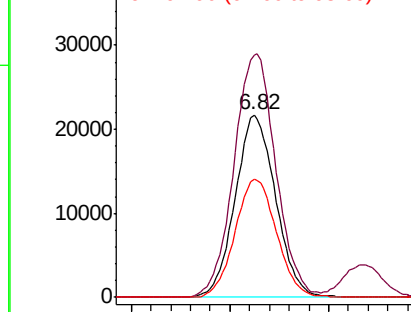


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.726 ug/l

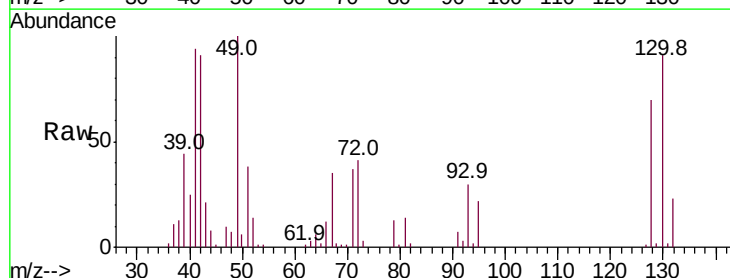
RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Tgt Ion:	49	Resp:	48013
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	89.3	71.2	106.8

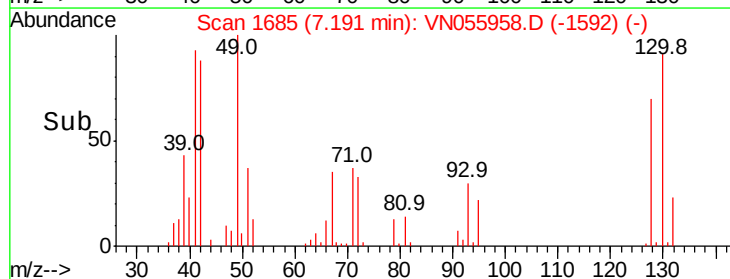
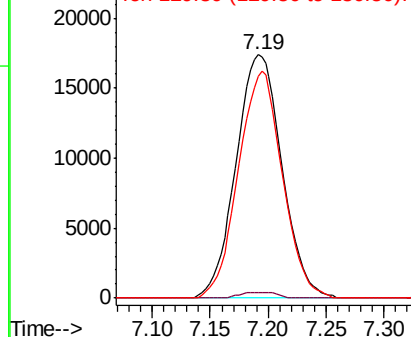


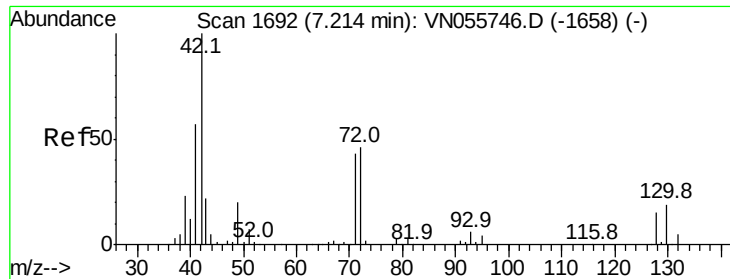
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





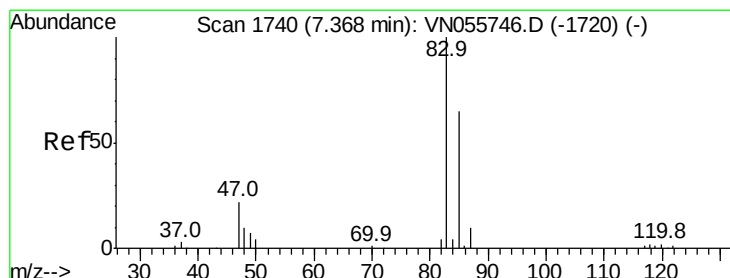
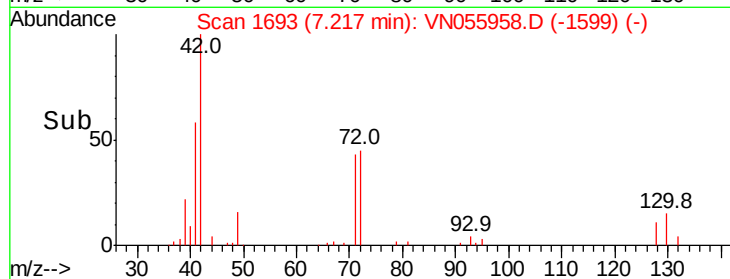
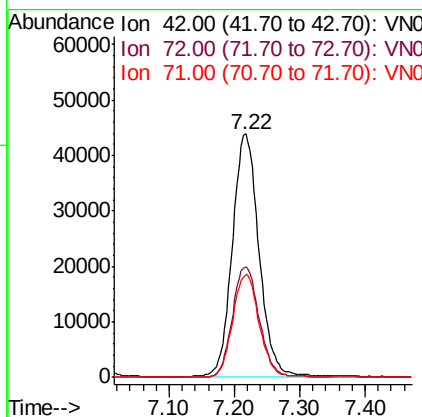
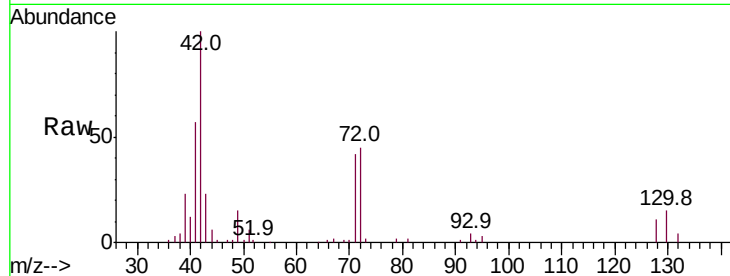
#29
Tetrahydrofuran
Concen: 106.035 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.9	53.9
71	41.4	34.0	51.0

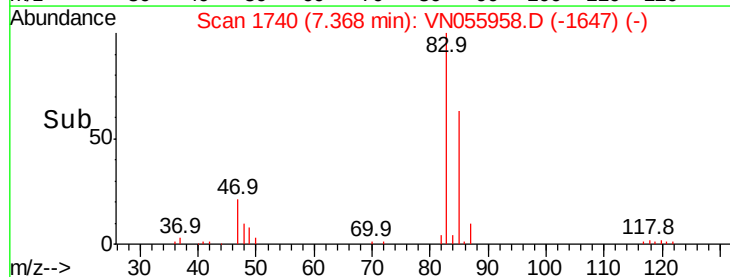
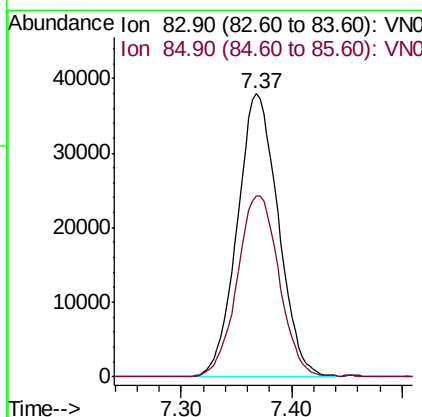
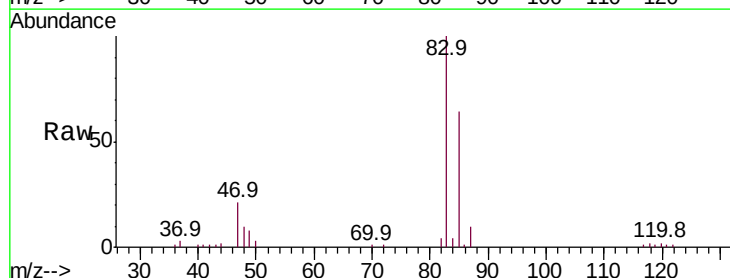
Manual Integrations
APPROVED

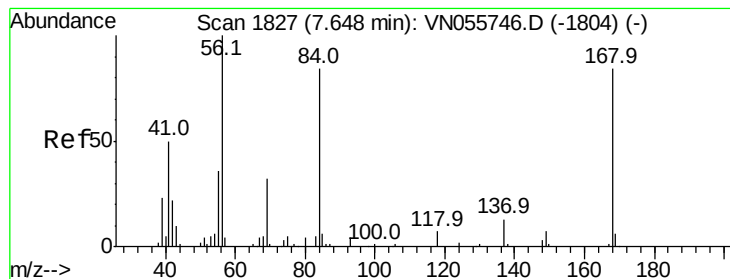
MMDadoda
6/4/2019 11:24:42 AM



#30
Chloroform
Concen: 20.154 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8





#31

Cyclohexane

Concen: 18.599 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion: 56 Resp: 84963

Ion Ratio Lower Upper

56 100

69 37.4 25.6 38.4

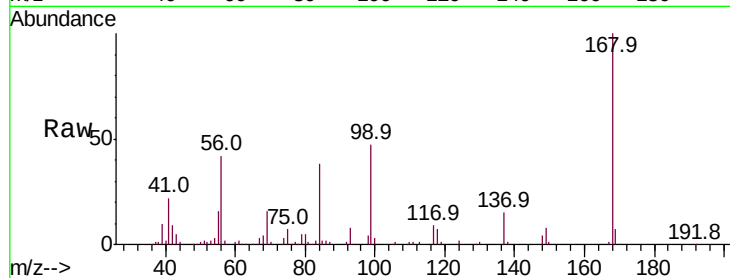
84 88.5 67.4 101.0

Manual Integrations

APPROVED

MMDadoda

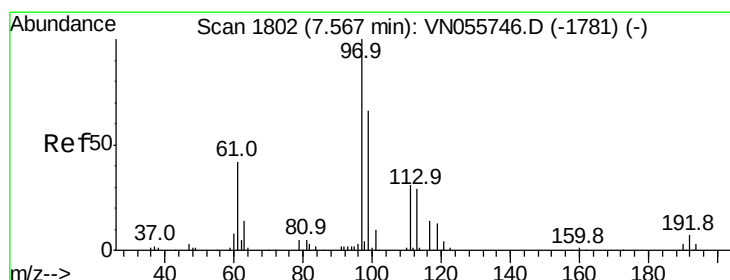
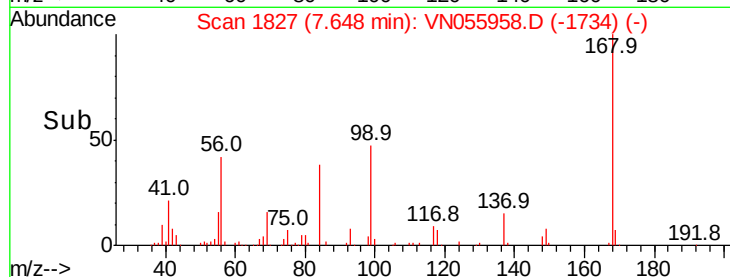
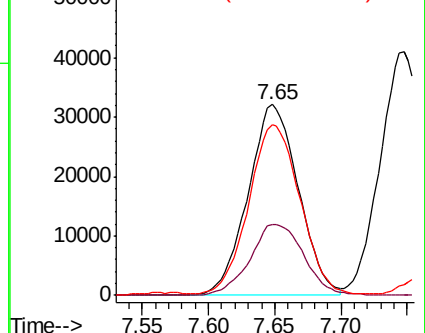
6/4/2019 11:24:42 AM



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 18.586 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

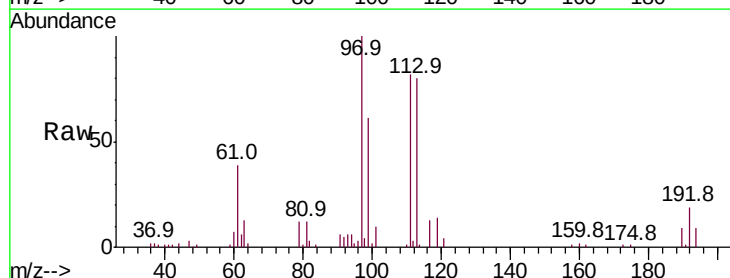
Tgt Ion: 97 Resp: 80480

Ion Ratio Lower Upper

97 100

99 63.7 52.0 78.0

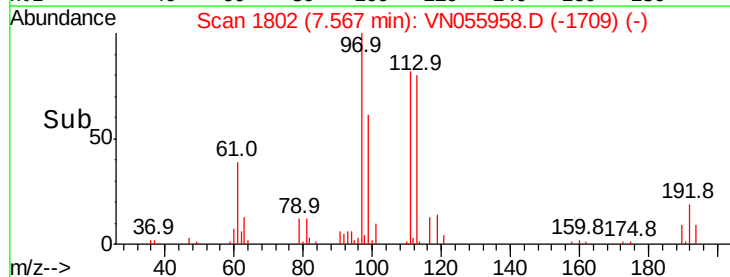
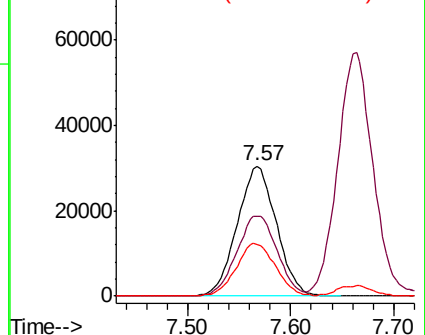
61 40.7 32.9 49.3

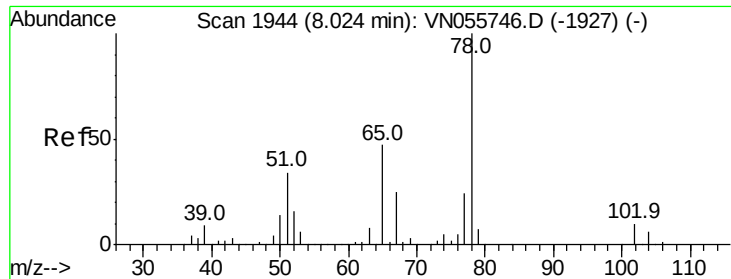


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





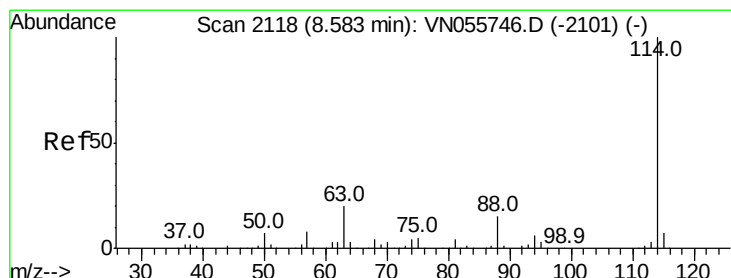
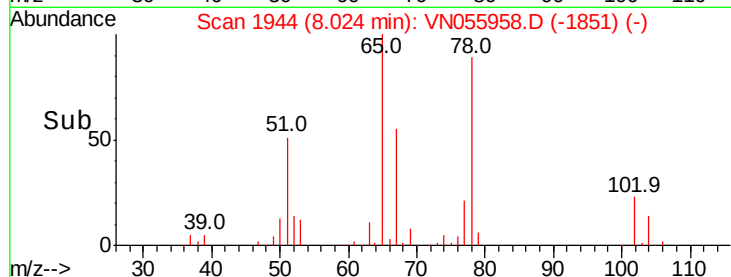
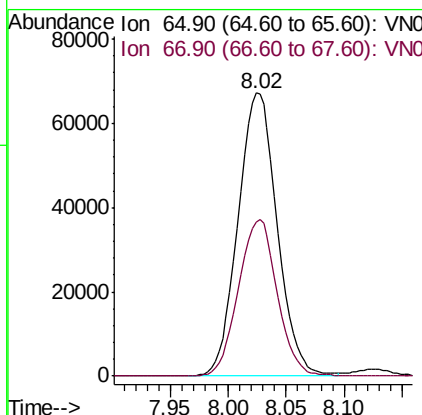
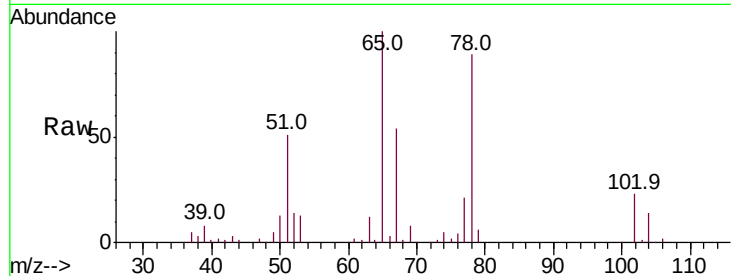
#33
 1,2-Dichloroethane-d4
 Concen: 52.018 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	109.2	

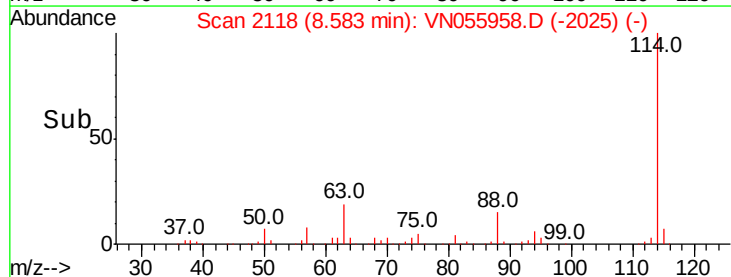
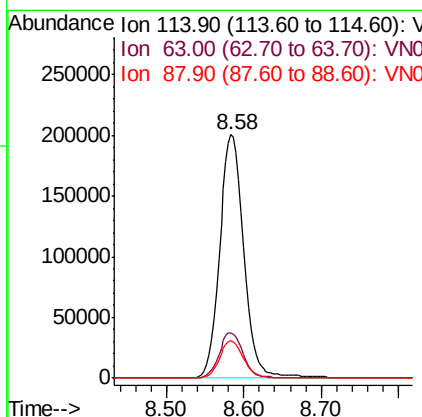
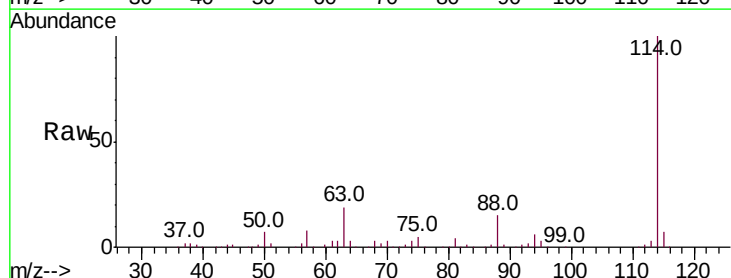
Manual Integrations
 APPROVED

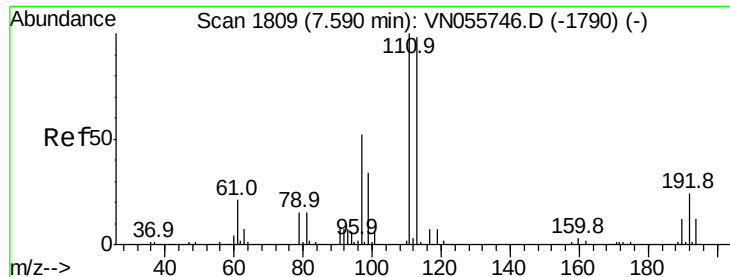
MMDadoda
 6/4/2019 11:24:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	39.2	
88	15.4	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.089 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

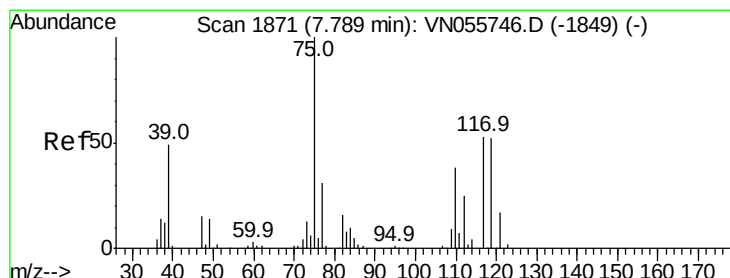
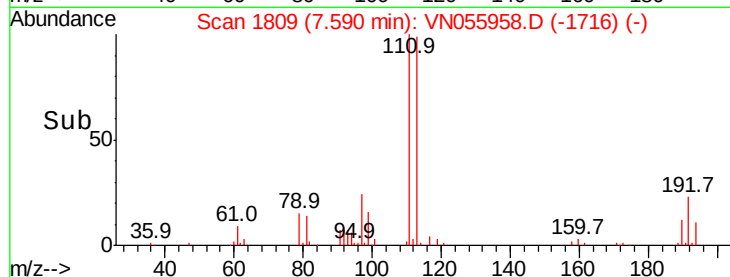
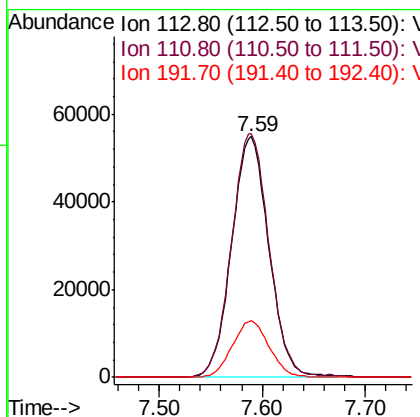
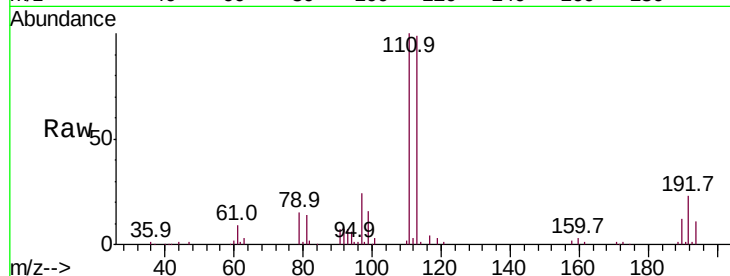
ClientSampled :

VN0603WBS01

Tot Ion:	113	Resp:	137933
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.9	122.9
192	23.2	19.5	29.3

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM



#36

1,1-Dichloropropene

Concen: 18.033 ug/l

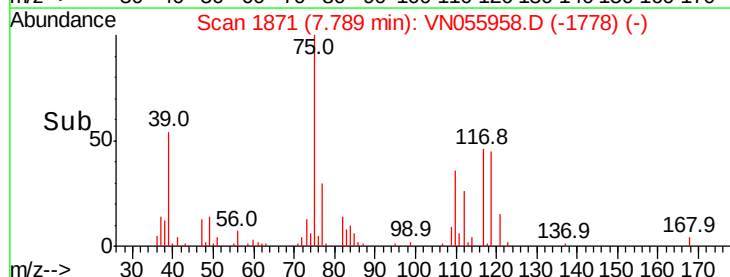
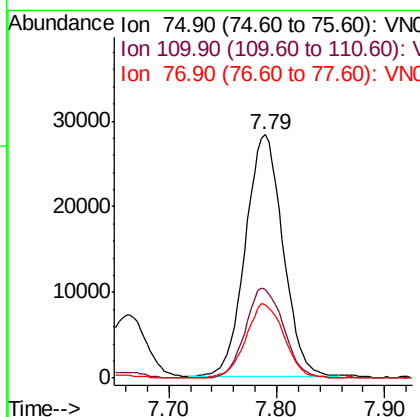
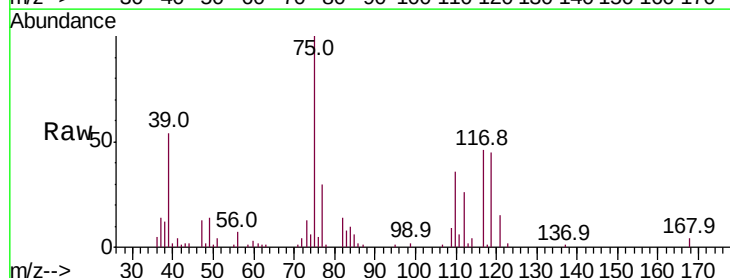
RT: 7.79 min Scan# 1871

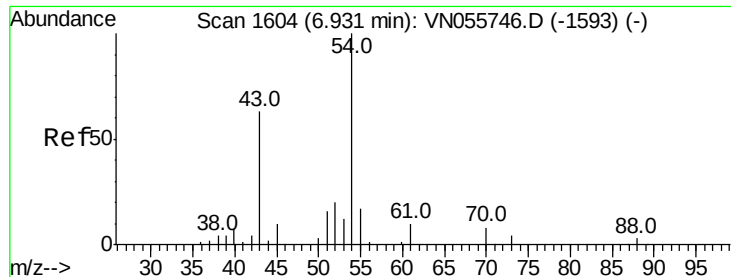
Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Tgt Ion:	75	Resp:	68447
Ion Ratio	Lower	Upper	
75	100		
110	37.6	19.0	57.0
77	31.2	25.1	37.7





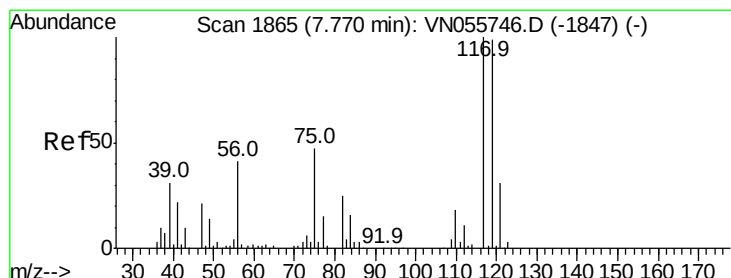
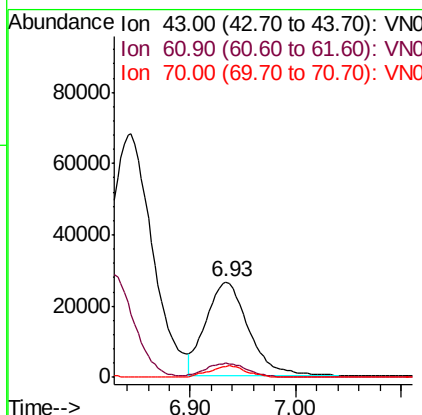
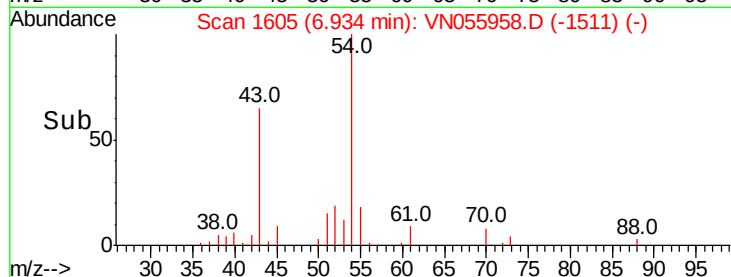
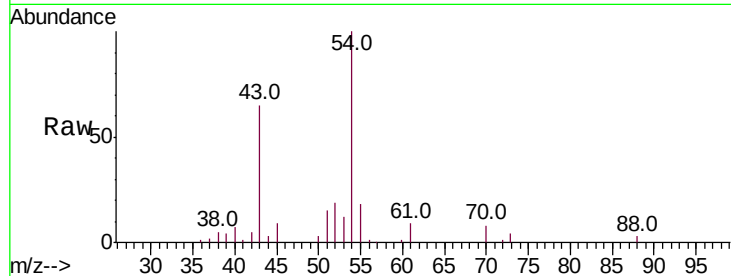
#37
Ethyl Acetate
Concen: 20.073 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampled :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.2	18.2
70	10.6	8.9	13.3

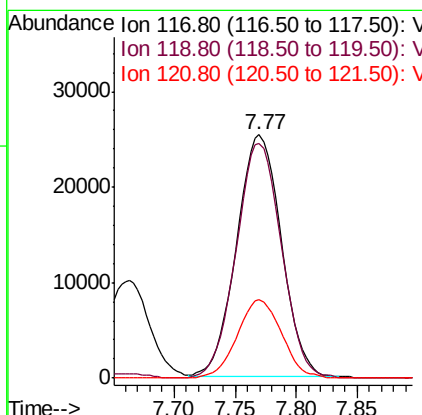
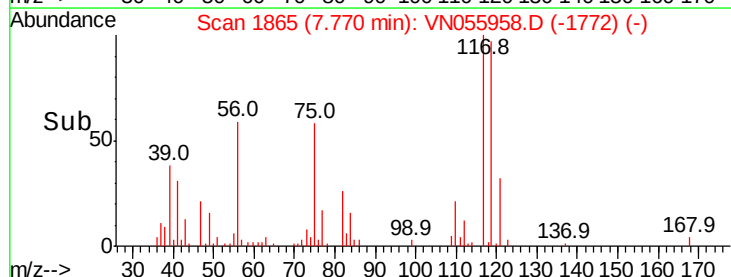
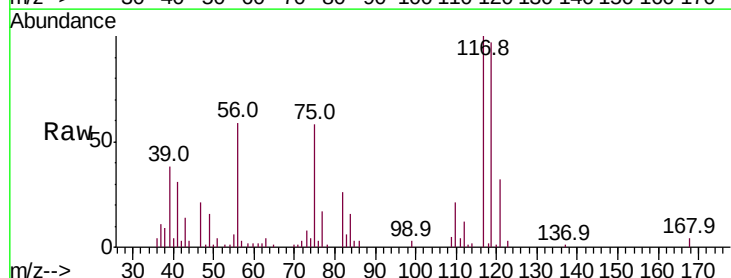
Manual Integrations
APPROVED

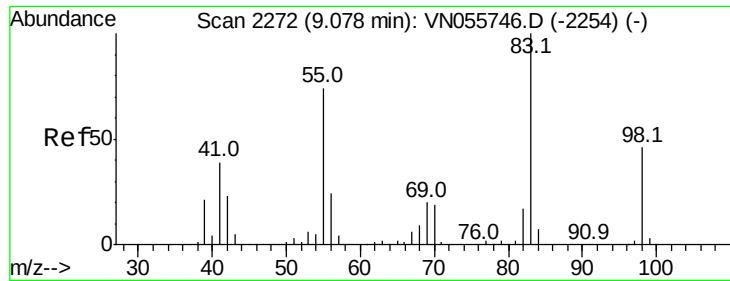
MMDadoda
6/4/2019 11:24:42 AM



#38
Carbon Tetrachloride
Concen: 16.322 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	79.0	118.6
121	32.3	24.7	37.1





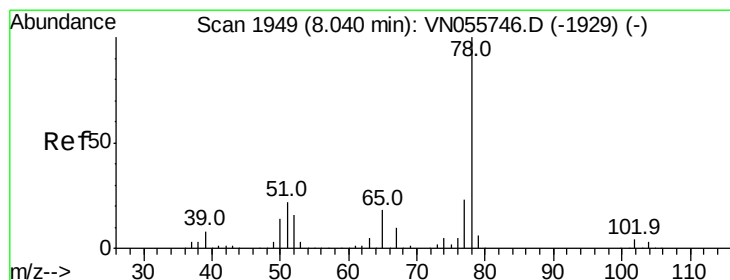
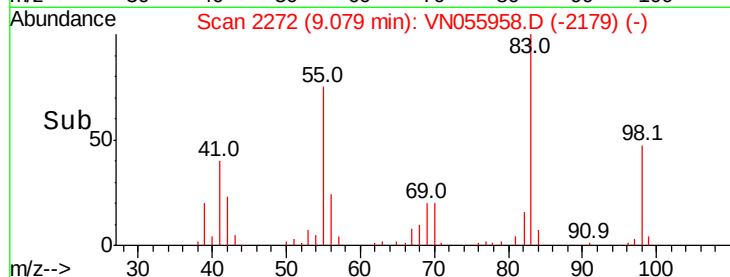
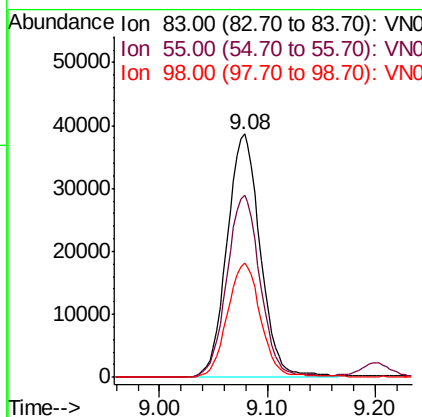
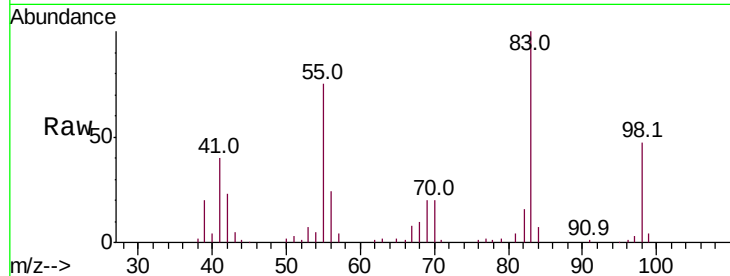
#39
Methylvlcyclohexane
Concen: 17.659 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampled :
VN0603WBS01

Tot Ion	83	Resp	83003
Ion Ratio	100	Lower	Upper
83	100		
55	74.6	59.3	88.9
98	46.8	36.6	54.8

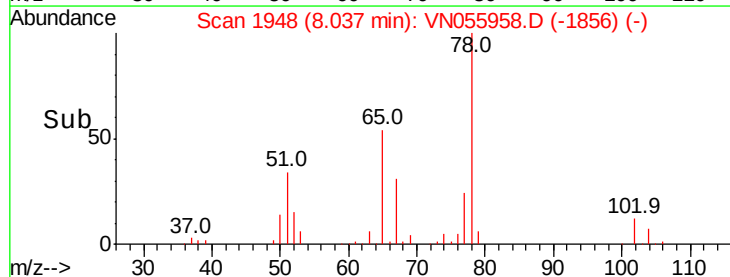
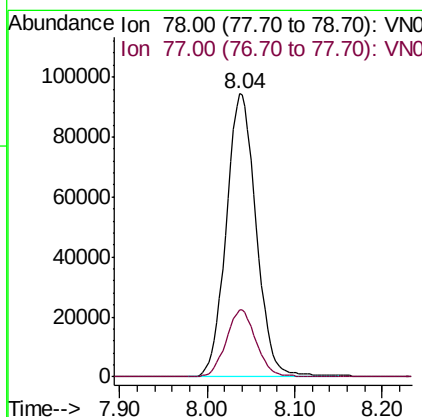
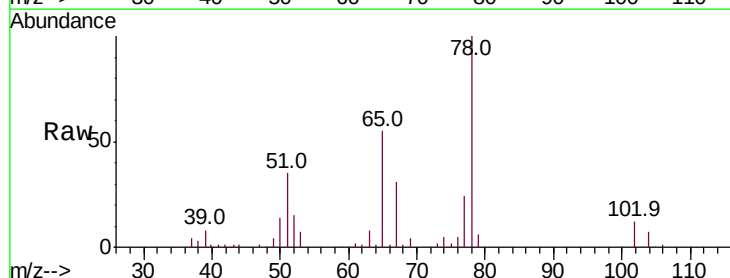
Manual Integrations
APPROVED

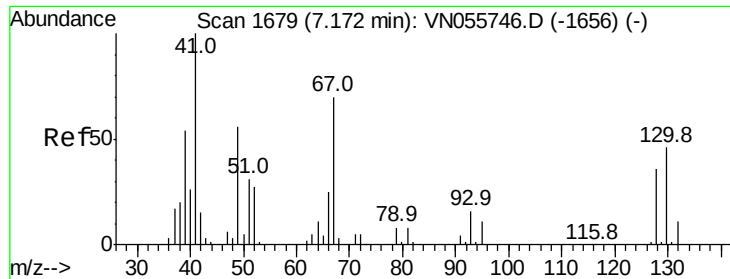
MMDadoda
6/4/2019 11:24:42 AM



#40
Benzene
Concen: 19.655 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion	78	Resp	224848
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.8	28.2





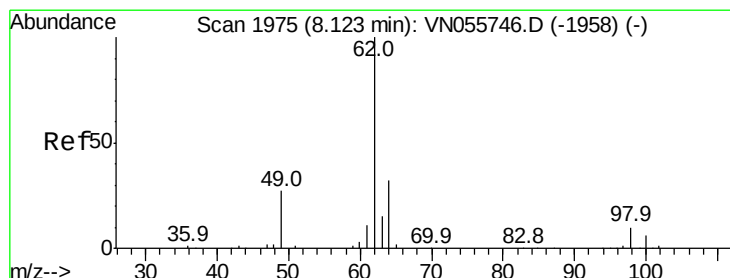
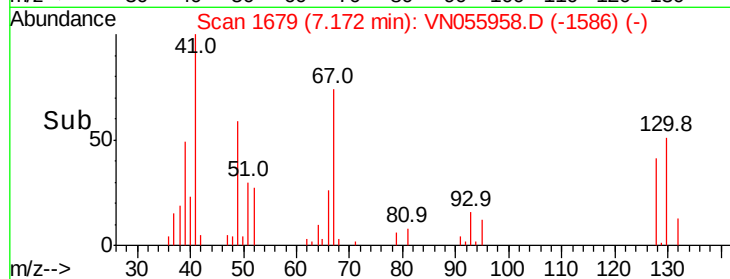
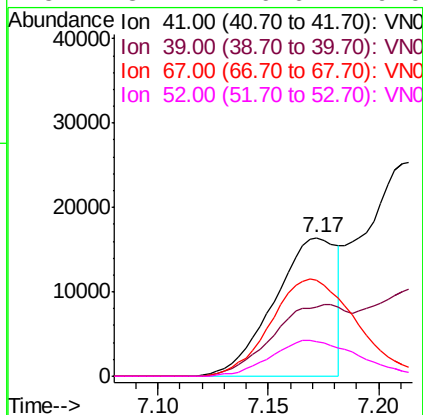
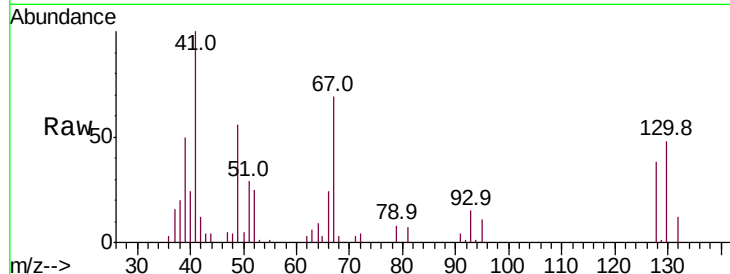
#41
Methacrylonitrile
Concen: 17.476 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.6	45.6	68.4
67	97.7	67.7	101.5
52	37.1	26.6	40.0

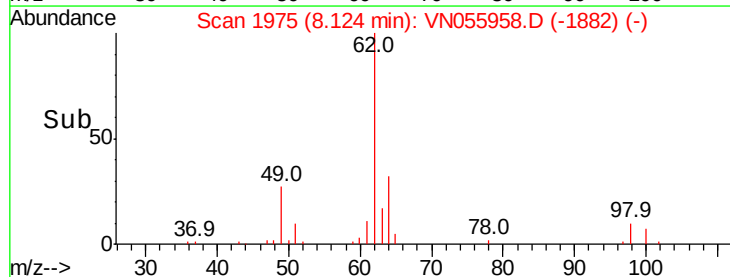
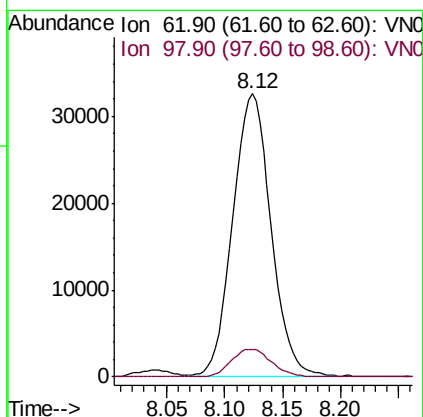
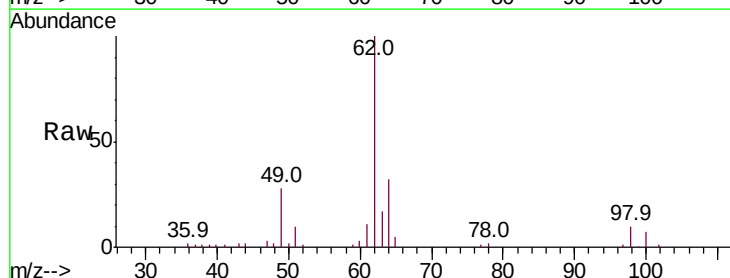
Manual Integrations
APPROVED

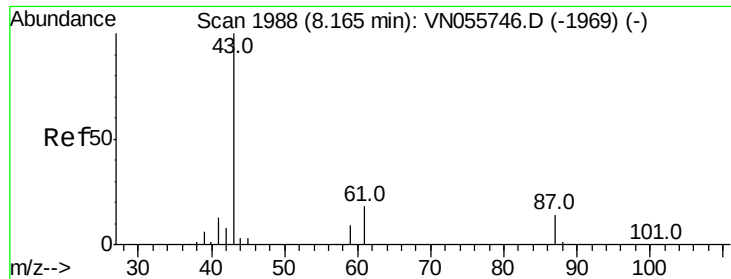
MMDadoda
6/4/2019 11:24:42 AM



#42
1,2-Dichloroethane
Concen: 20.001 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.014 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

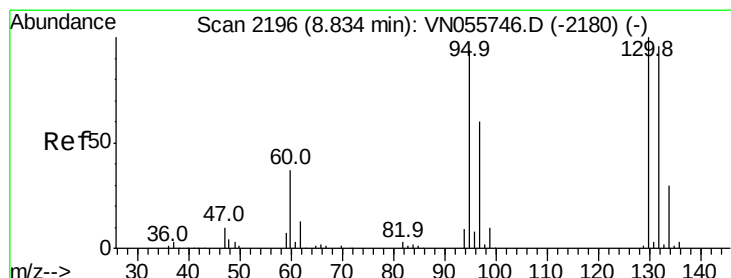
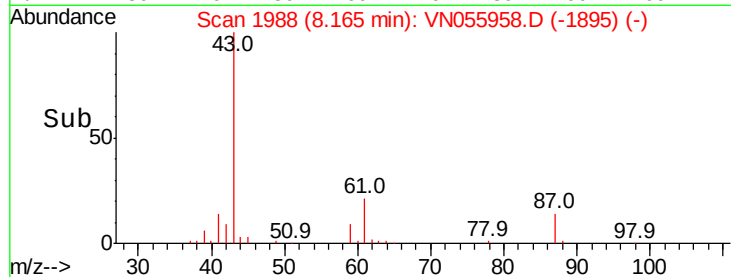
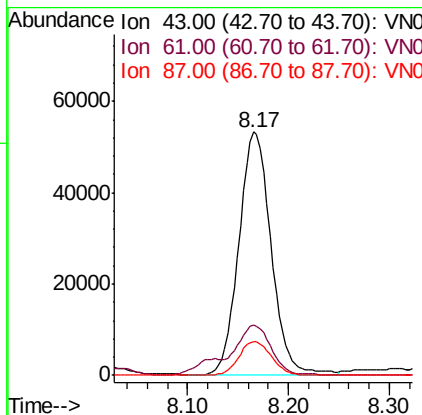
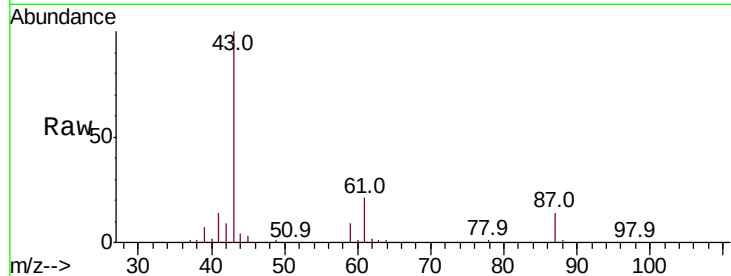
ClientSampled :

VN0603WBS01

Tot Ion:	43	Resp:	117200
Ion Ratio	Lower	Upper	
43	100		
61	21.9	22.2	33.4#
87	14.2	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM



#44

Trichloroethene

Concen: 19.556 ug/l

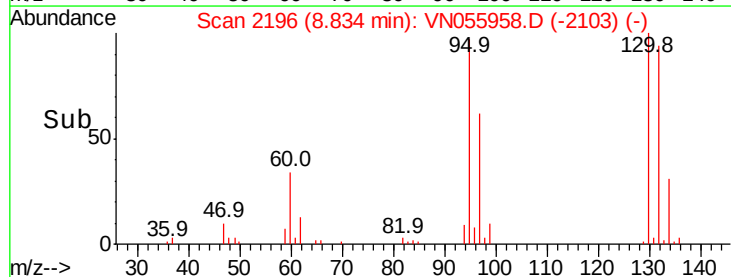
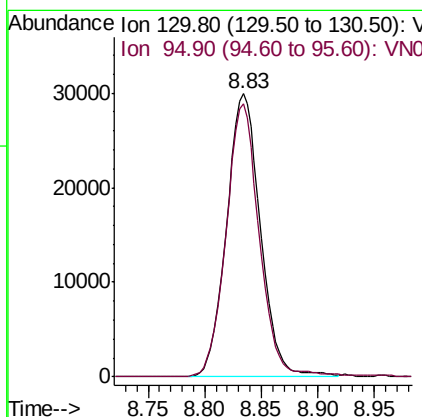
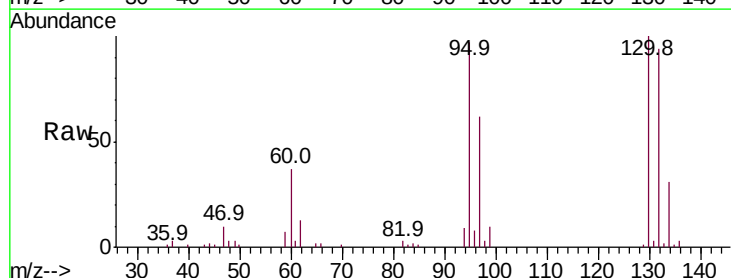
RT: 8.83 min Scan# 2196

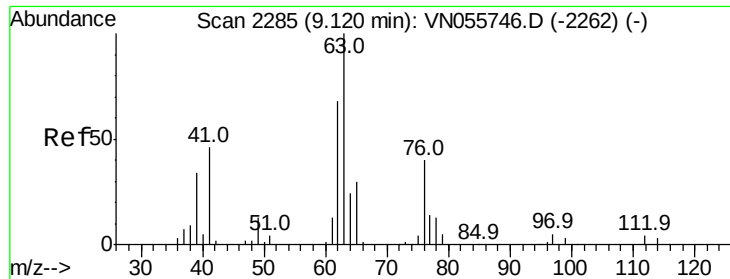
Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Tgt Ion:	130	Resp:	62367
Ion Ratio	Lower	Upper	
130	100		
95	96.7	0.0	188.0





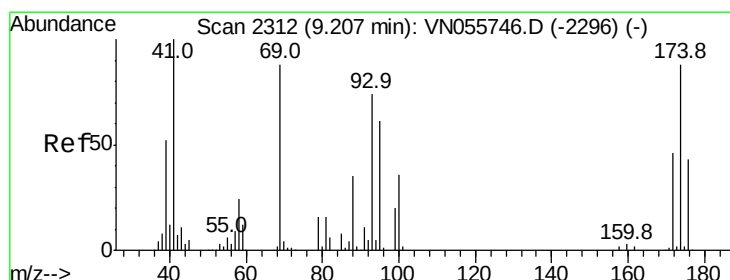
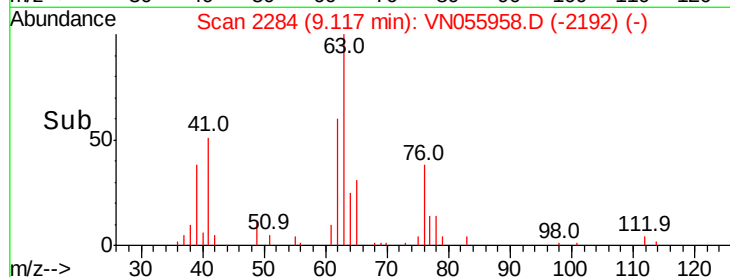
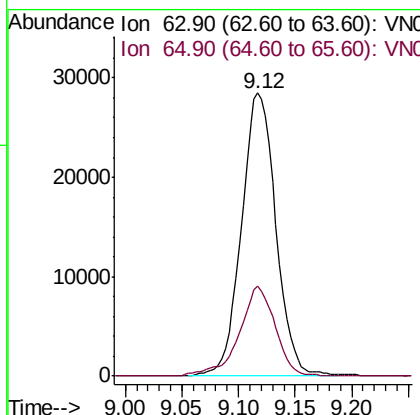
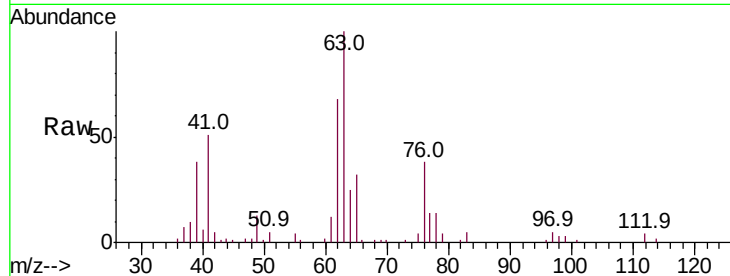
#45
1,2-Dichloropropane
Concen: 20.271 ug/l
RT: 9.12 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion: 63 Resp: 60417
Ion Ratio Lower Upper
63 100
65 31.7 24.6 36.8

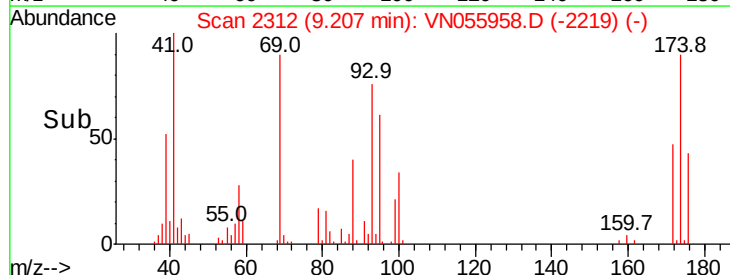
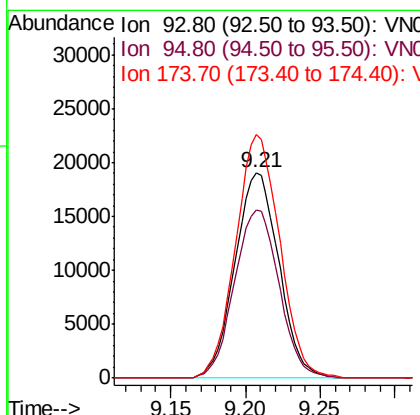
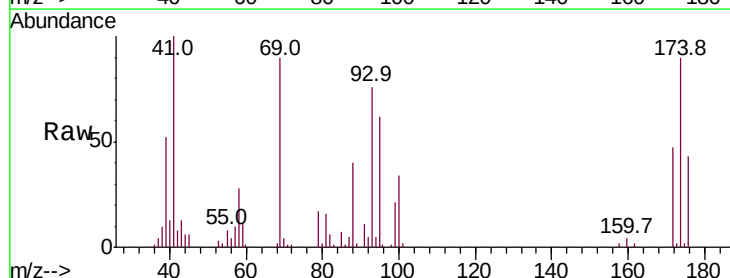
Manual Integrations
APPROVED

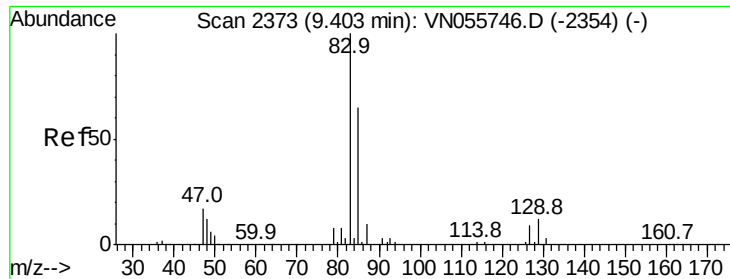
MMDadoda
6/4/2019 11:24:42 AM



#46
Dibromomethane
Concen: 19.905 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion: 93 Resp: 38907
Ion Ratio Lower Upper
93 100
95 83.3 66.7 100.1
174 119.2 96.4 144.6





#47

Bromodichloromethane

Concen: 17.693 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

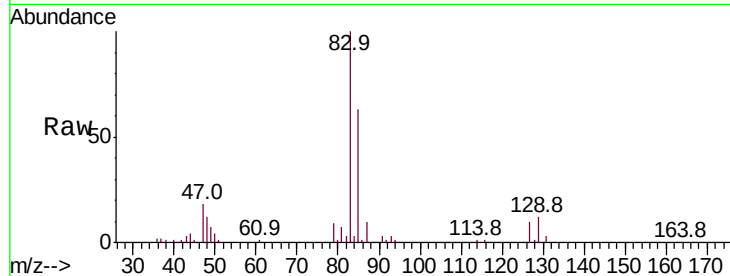
ClientSampleId :

VN0603WBS01

Tot Ion:	83	Resp:	70914
Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.2	78.2
127	10.0	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM

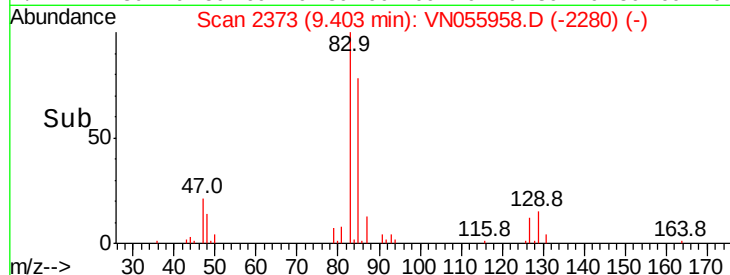


Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055746.D (-2354) (-)

Time-->

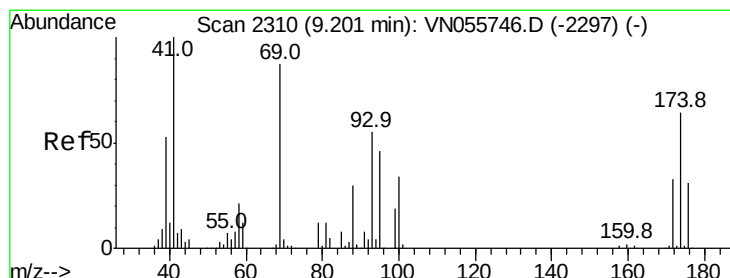


Abundance Ion 82.90 (82.60 to 83.60): VN055958.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055958.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055958.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 19.792 ug/l

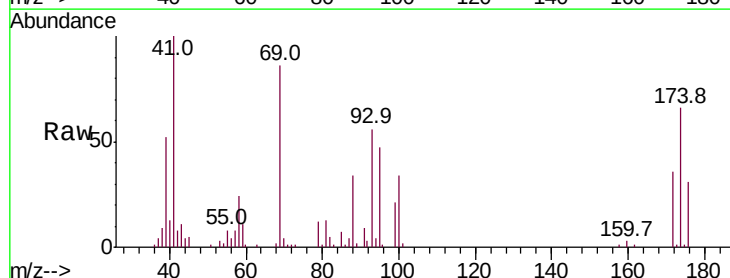
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Tgt Ion:	41	Resp:	56225
Ion	Ratio	Lower	Upper
41	100		
69	91.5	71.0	106.6
39	53.0	44.2	66.2

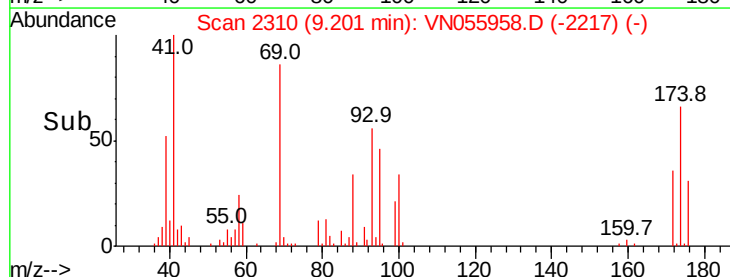


Abundance Ion 41.00 (40.70 to 41.70): VN055746.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055746.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-2297) (-)

Time-->

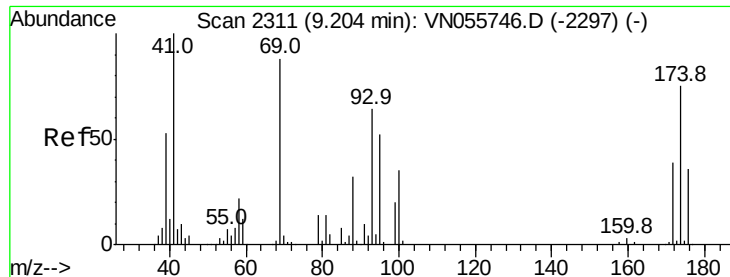


Abundance Ion 41.00 (40.70 to 41.70): VN055958.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055958.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055958.D (-2217) (-)

Time-->



#49

1,4-Dioxane

Concen: 415.274 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion: 88 Resp: 24515

Ion Ratio Lower Upper

88 100

43 26.1 20.5 30.7

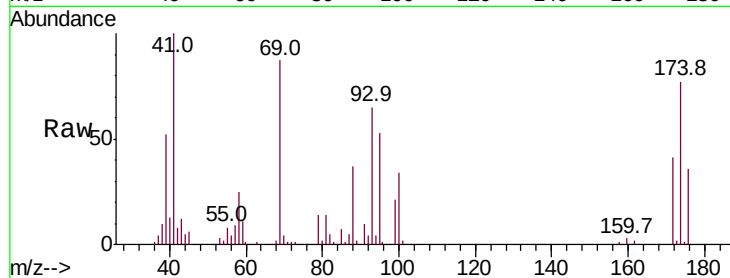
58 72.5 55.8 83.6

Manual Integrations

APPROVED

MMDadoda

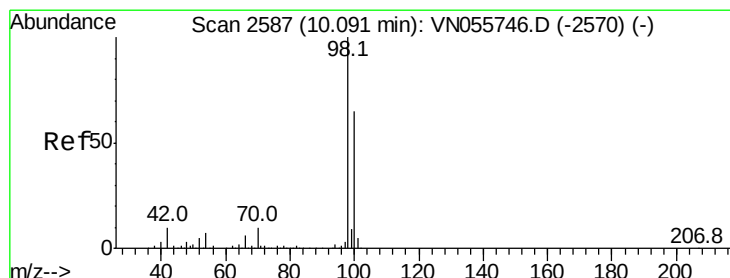
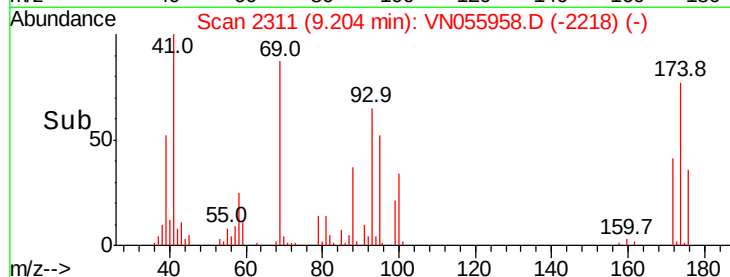
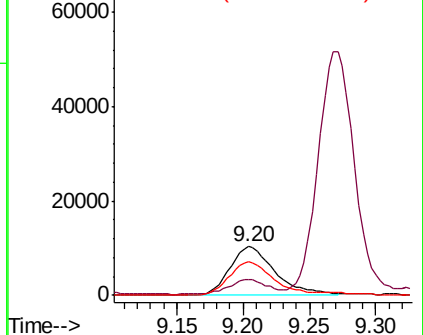
6/4/2019 11:24:42 AM



Abundance Ion 88.00 (87.70 to 88.70): VN055958.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN055958.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055958.D (-2297) (-)



#50

Toluene-d8

Concen: 49.529 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055958.D

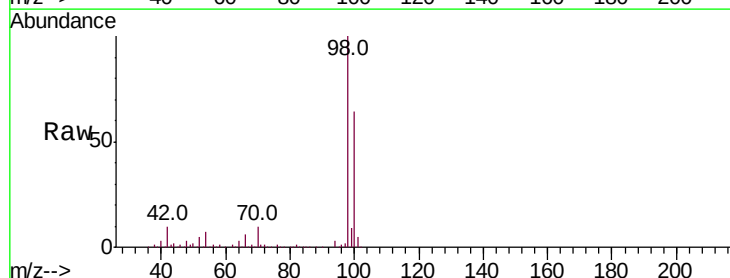
Acq: 3 Jun 2019 13:50

Tgt Ion: 98 Resp: 523177

Ion Ratio Lower Upper

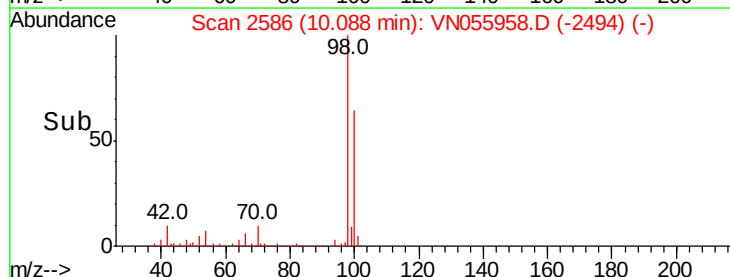
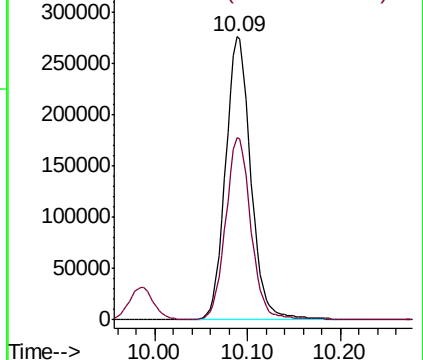
98 100

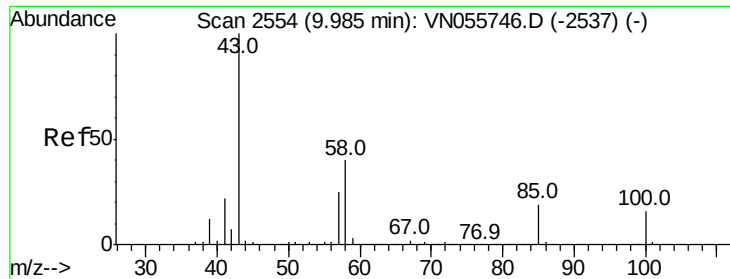
100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055958.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055958.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 103.448 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion: 43 Resp: 376587

Ion Ratio Lower Upper

43 100

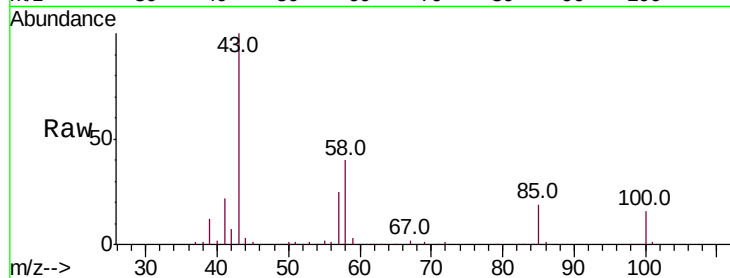
58 40.3 32.1 48.1

Manual Integrations

APPROVED

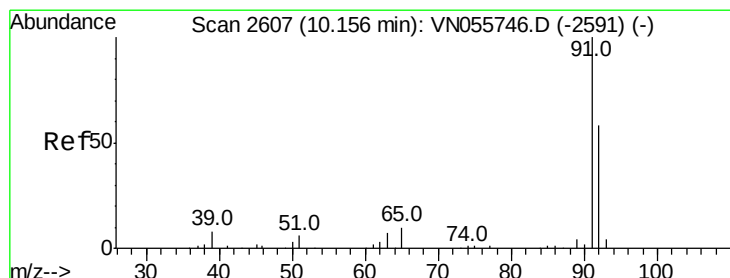
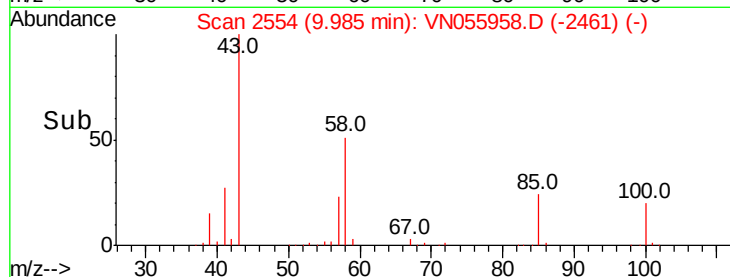
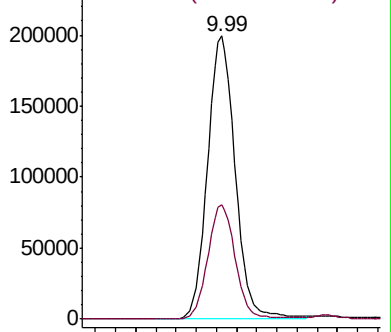
MMDadoda

6/4/2019 11:24:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.106 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055958.D

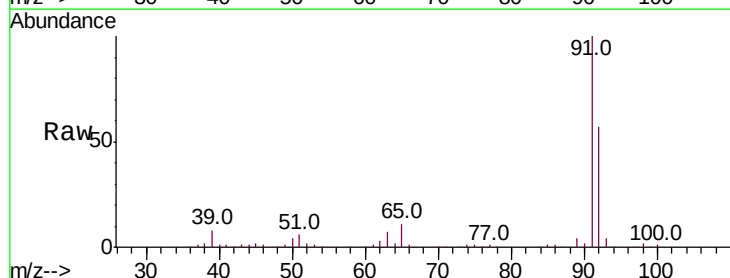
Acq: 3 Jun 2019 13:50

Tgt Ion: 92 Resp: 144653

Ion Ratio Lower Upper

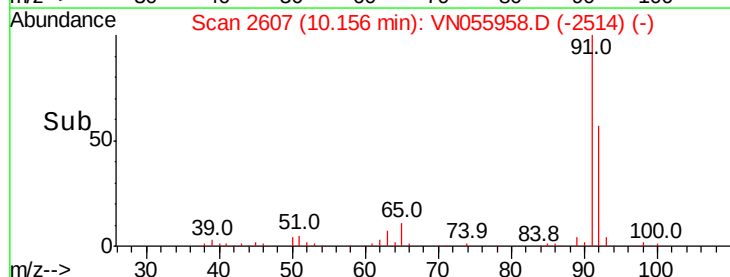
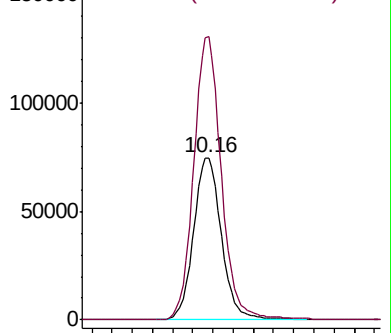
92 100

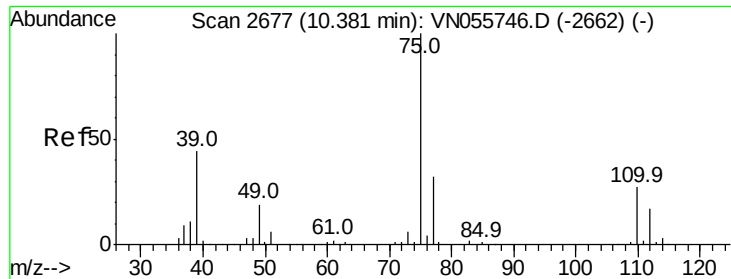
91 172.7 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





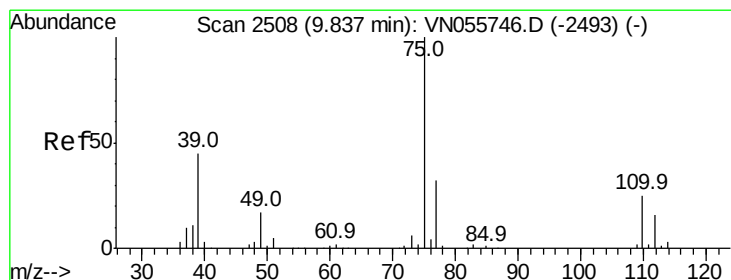
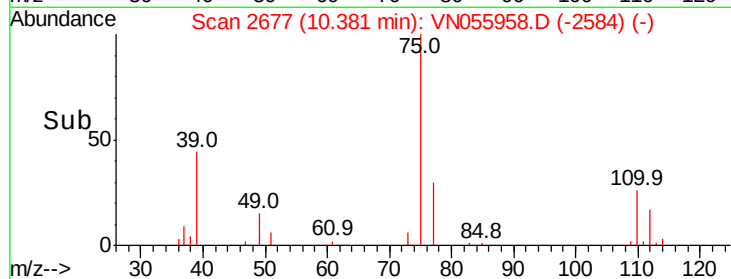
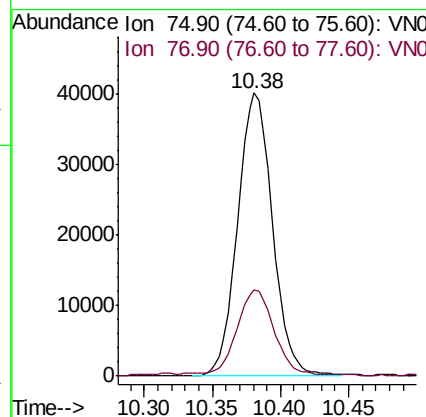
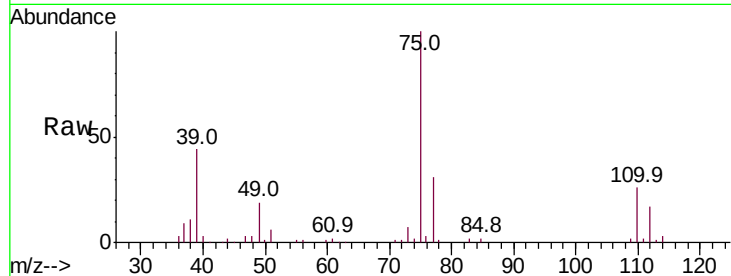
#53
 t-1,3-Dichloropropene
 Concen: 16.659 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBS01

Tot Ion: 75 Resp: 71274
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.8 38.6

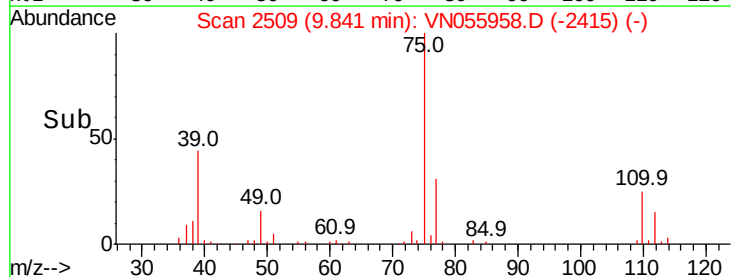
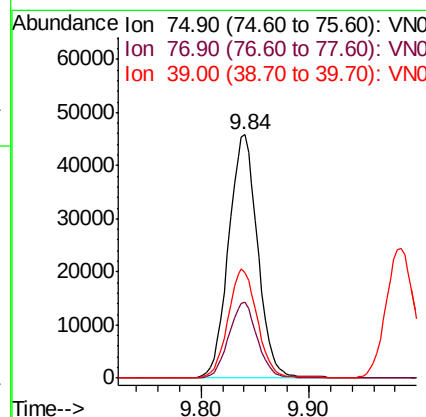
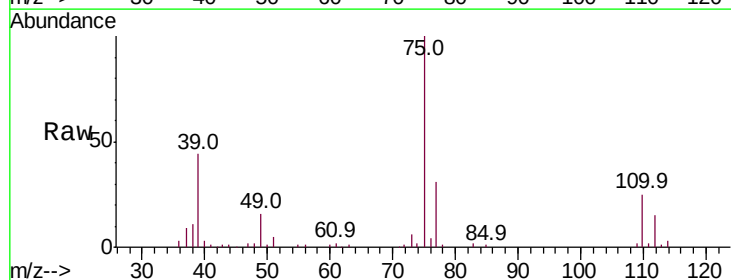
Manual Integrations
 APPROVED

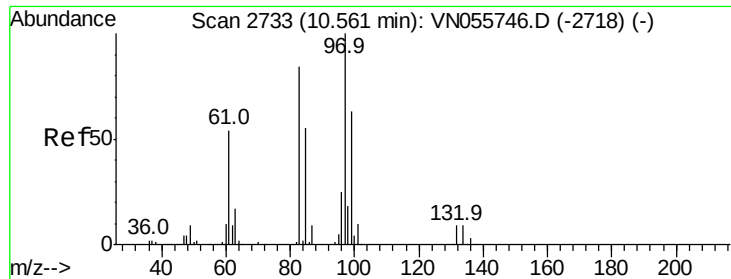
MMDadoda
 6/4/2019 11:24:42 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.154 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Tgt Ion: 75 Resp: 86040
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.4 38.0
 39 43.5 36.3 54.5





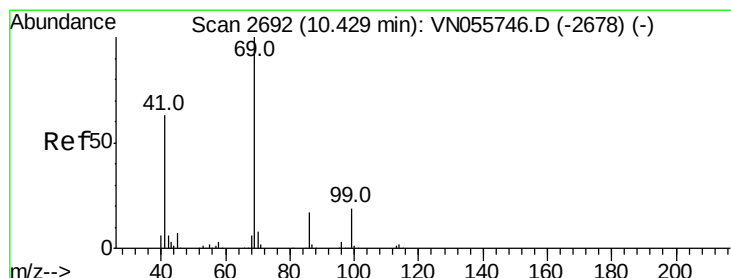
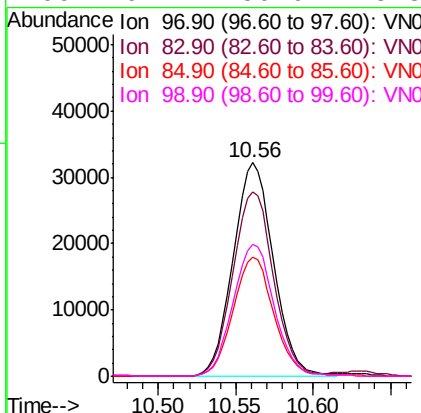
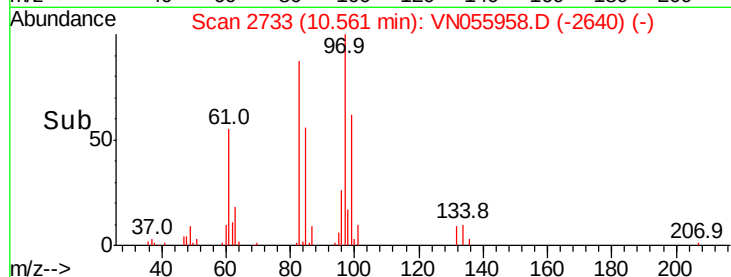
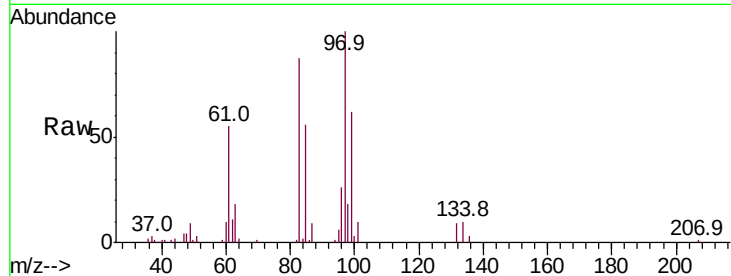
#55
 1,1,2-Trichloroethane
 Concen: 20.241 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603WBS01

Tot Ion:	97	Resp:	58341
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.0	100.6
85	56.0	44.0	66.0
99	61.7	50.6	75.8

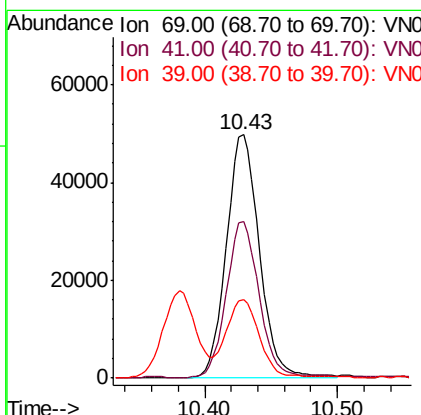
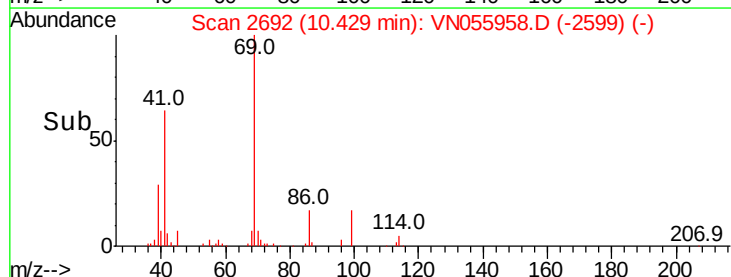
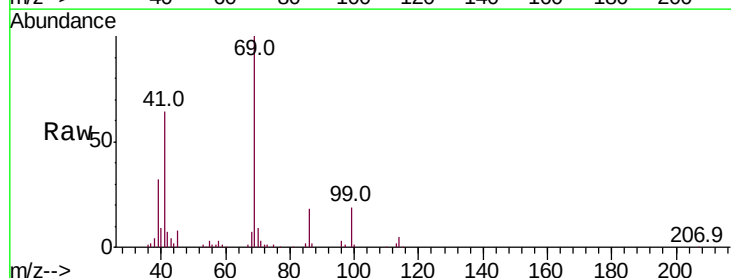
Manual Integrations
 APPROVED

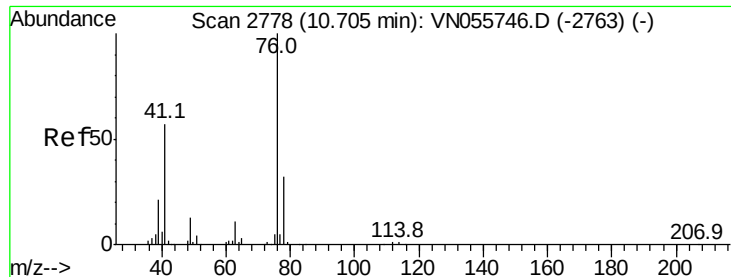
MMDadoda
 6/4/2019 11:24:42 AM



#56
 Ethyl methacrylate
 Concen: 19.363 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Tgt Ion:	69	Resp:	86250
Ion	Ratio	Lower	Upper
69	100		
41	62.6	49.7	74.5
39	31.6	24.7	37.1





#57

1,3-Dichloropropane

Concen: 20.274 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion: 76 Resp: 94985

Ion Ratio Lower Upper

76 100

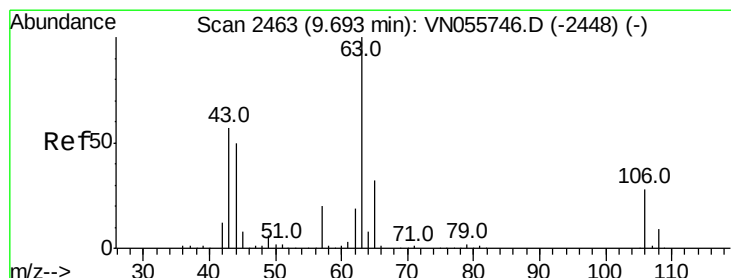
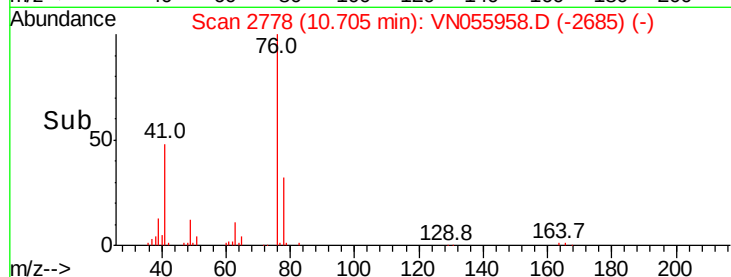
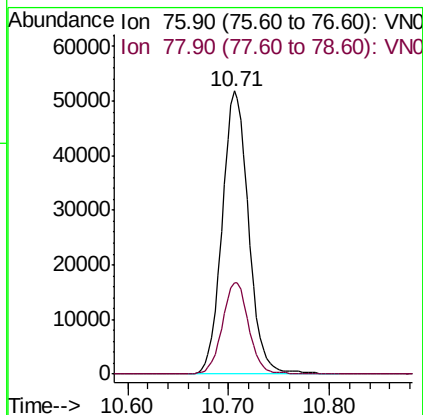
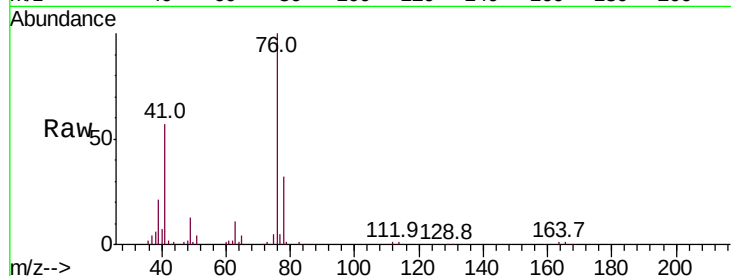
78 32.2 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

6/4/2019 11:24:42 AM



#58

2-Chloroethyl Vinyl ether

Concen: 91.221 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055958.D

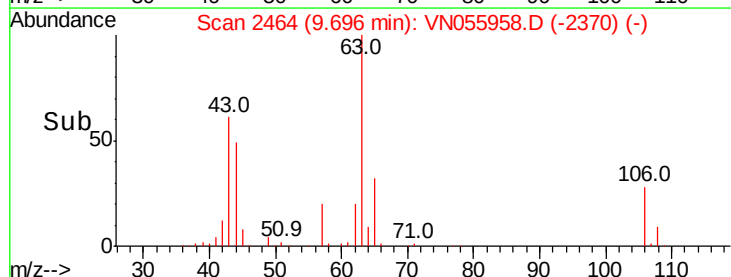
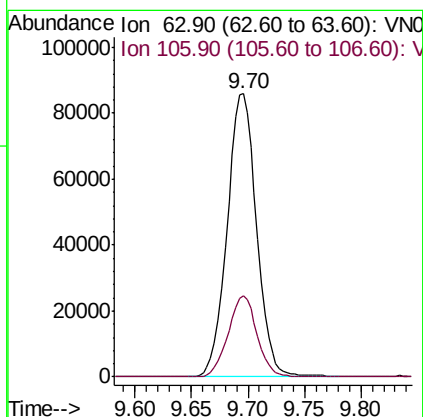
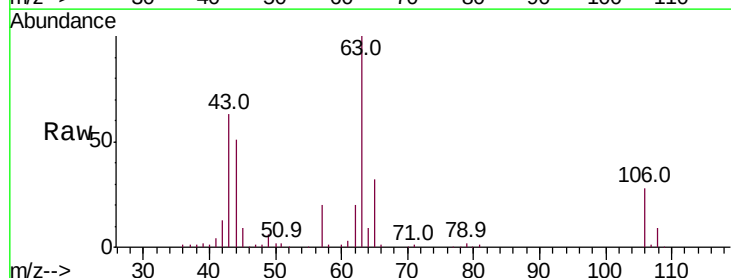
Acq: 3 Jun 2019 13:50

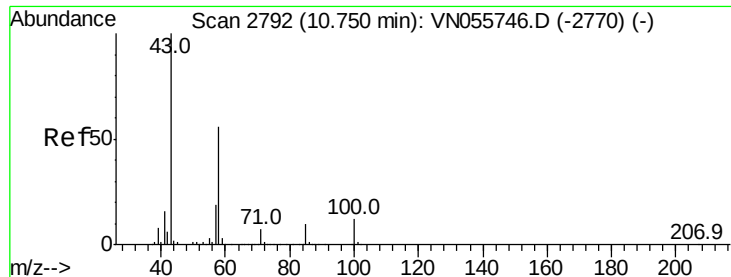
Tgt Ion: 63 Resp: 155287

Ion Ratio Lower Upper

63 100

106 28.0 22.7 34.1





#59

2-Hexanone

Concen: 102.676 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBS01

Tot Ion: 43 Resp: 265161

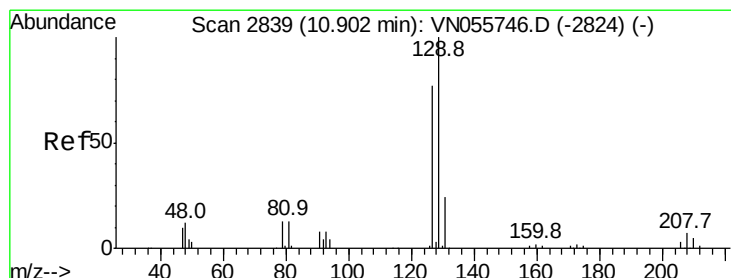
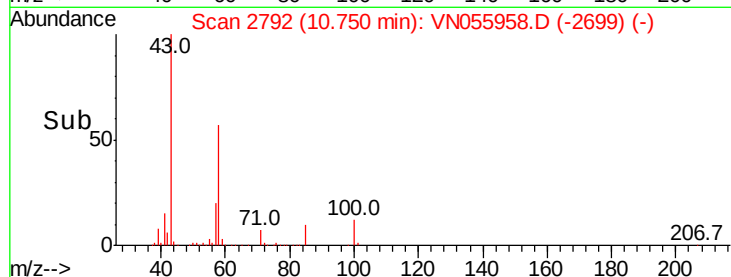
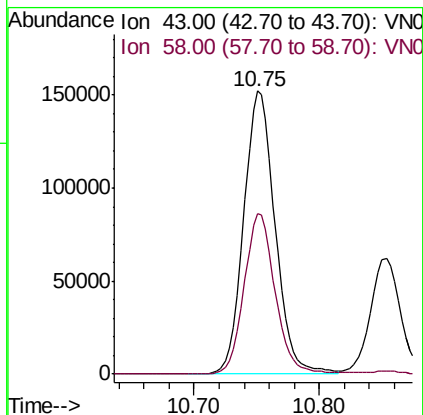
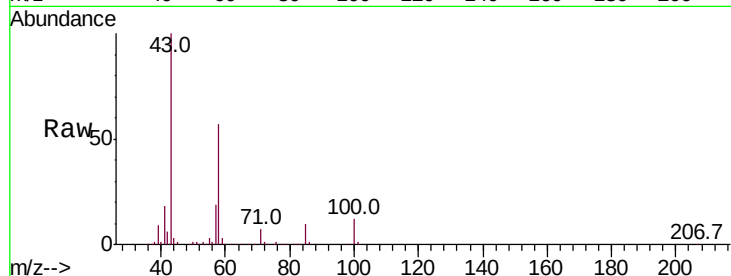
Ion Ratio Lower Upper

43 100

58 55.9 28.2 84.7

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM



#60

Dibromochloromethane

Concen: 16.560 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055958.D

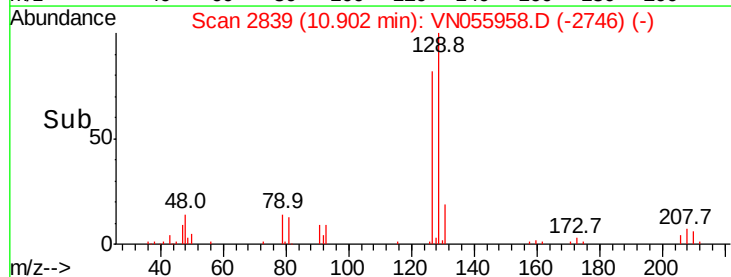
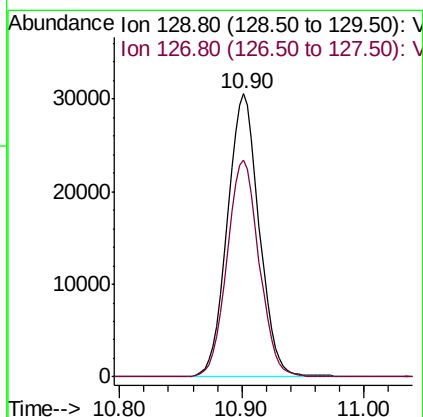
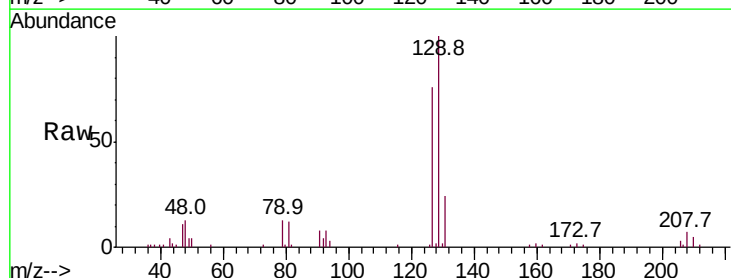
Acq: 3 Jun 2019 13:50

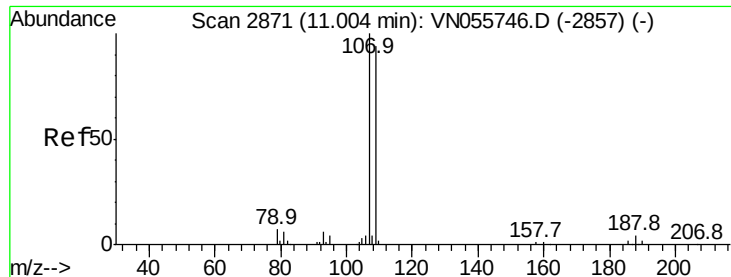
Tgt Ion: 129 Resp: 55603

Ion Ratio Lower Upper

129 100

127 77.1 38.1 114.3





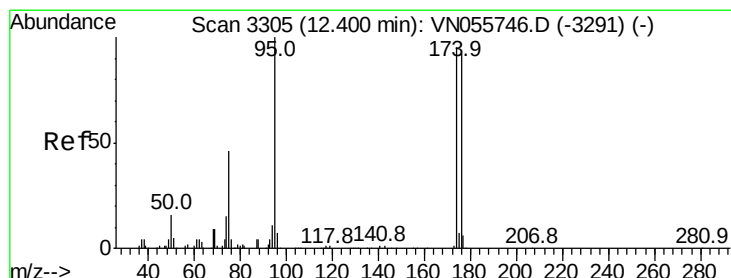
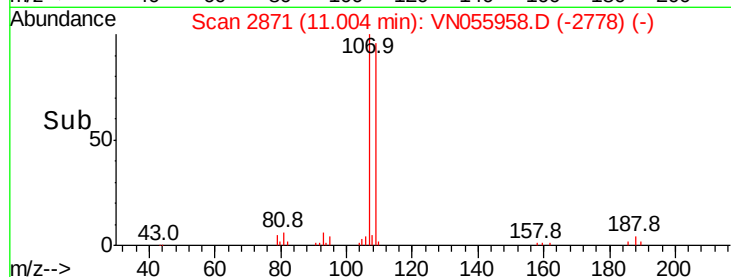
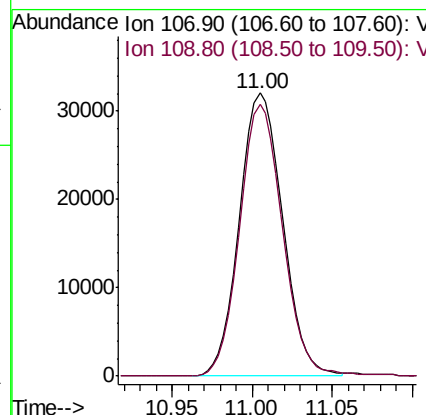
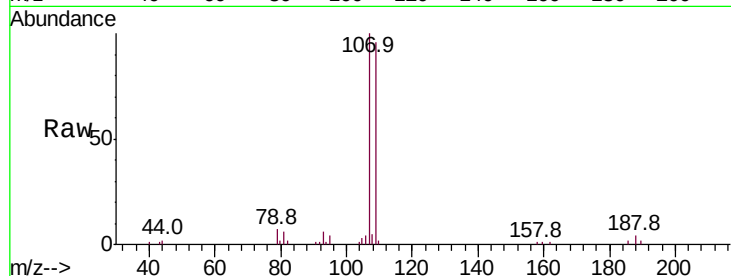
#61
 1,2-Dibromoethane
 Concen: 19.834 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.8	112.2

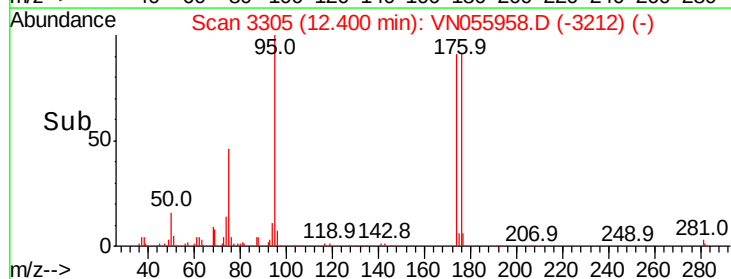
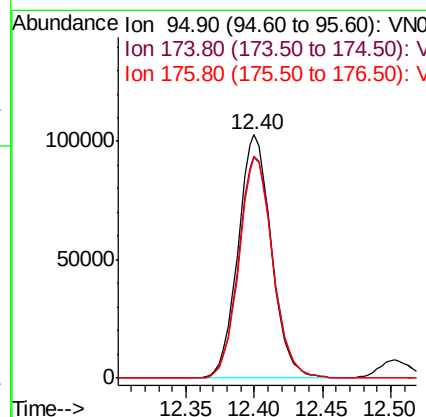
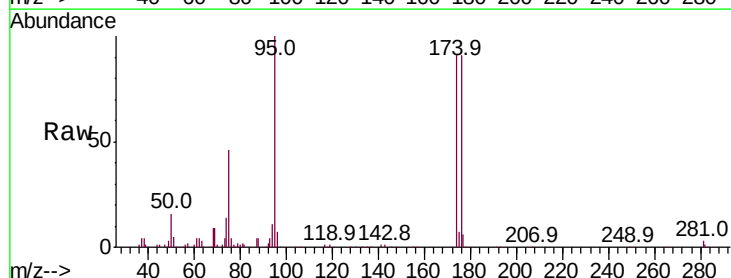
Manual Integrations
 APPROVED

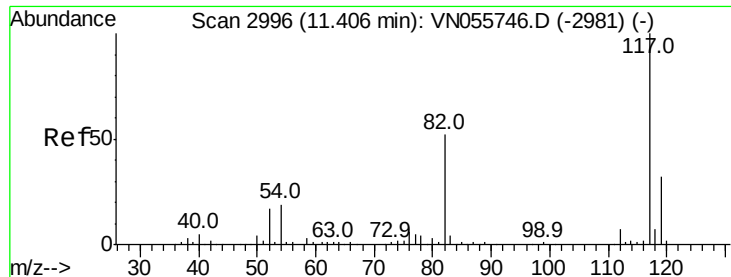
MMDadoda
 6/4/2019 11:24:42 AM



#62
 4-Bromofluorobenzene
 Concen: 48.037 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.6	0.0	191.0
176	91.5	0.0	185.2





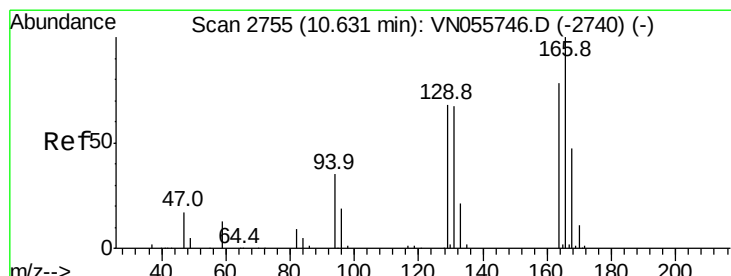
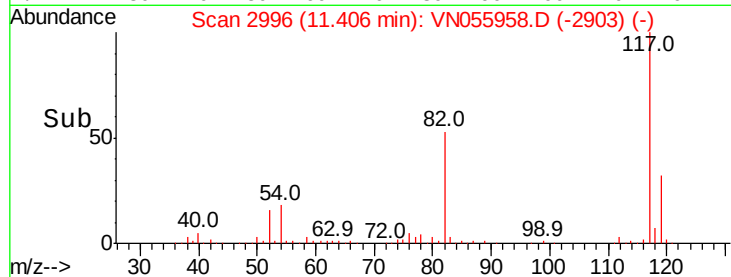
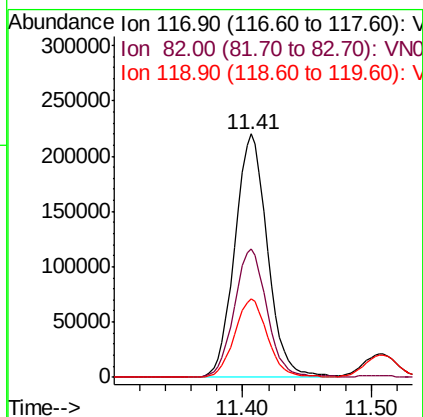
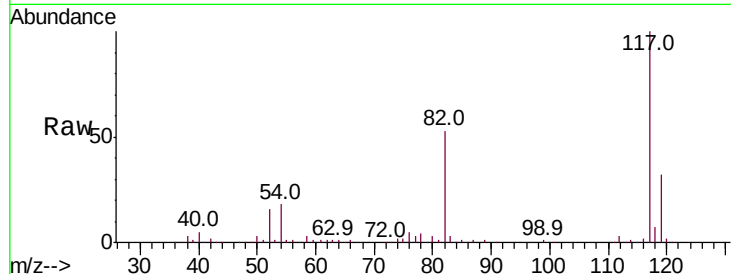
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.8	62.8
119	32.2	25.4	38.0

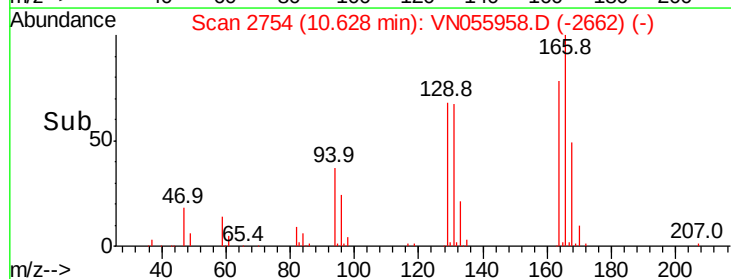
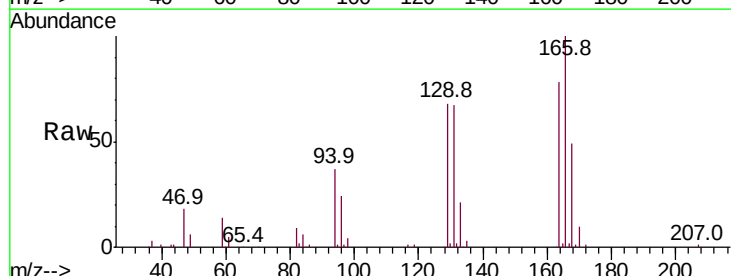
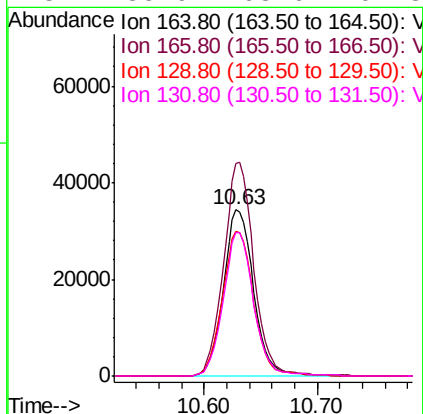
Manual Integrations
APPROVED

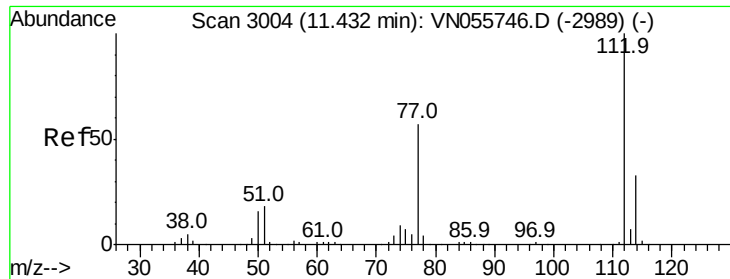
MMDadoda
6/4/2019 11:24:42 AM



#64
Tetrachloroethene
Concen: 19.552 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	103.0	154.6
129	86.9	70.6	105.8
131	85.9	68.6	102.8





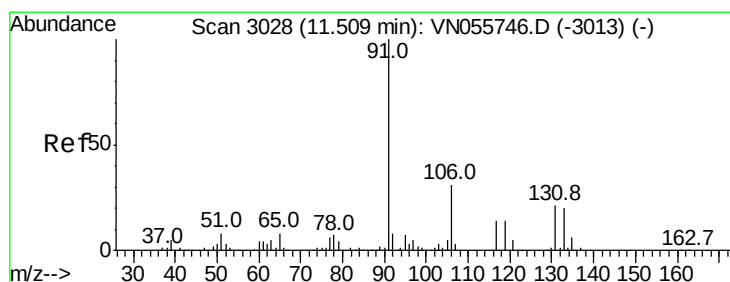
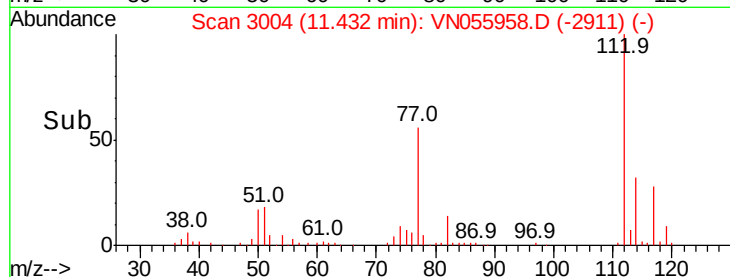
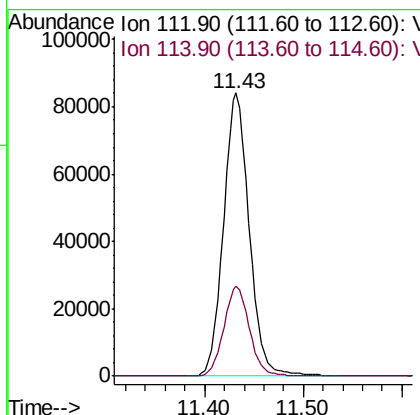
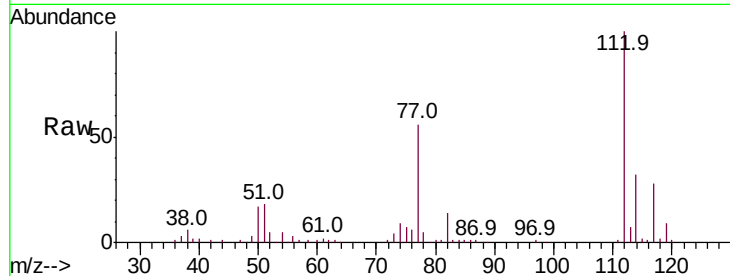
#65
Chlorobenzene
Concen: 19.804 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion:112 Resp: 153640
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.4

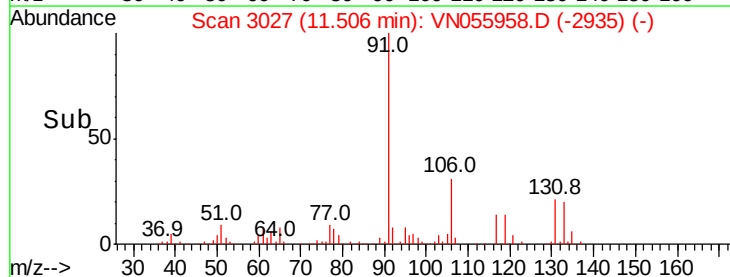
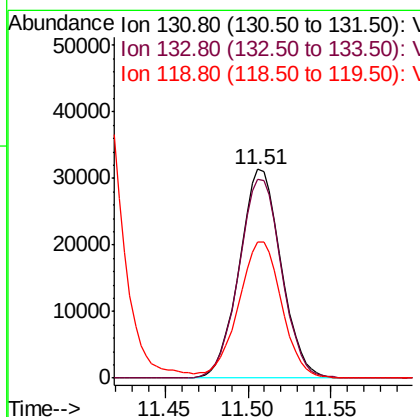
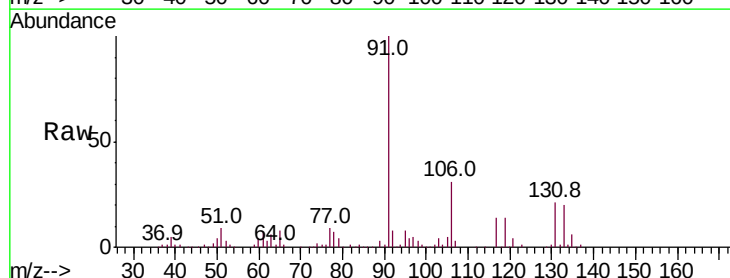
Manual Integrations
APPROVED

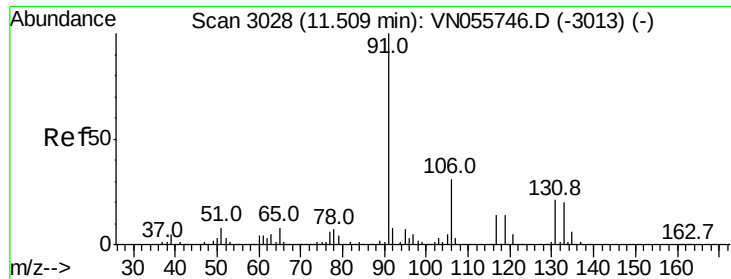
MMDadoda
6/4/2019 11:24:42 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.748 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion:131 Resp: 54916
Ion Ratio Lower Upper
131 100
133 97.4 48.0 144.0
119 67.8 33.1 99.5





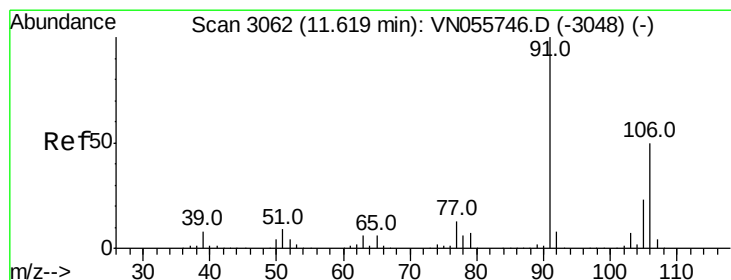
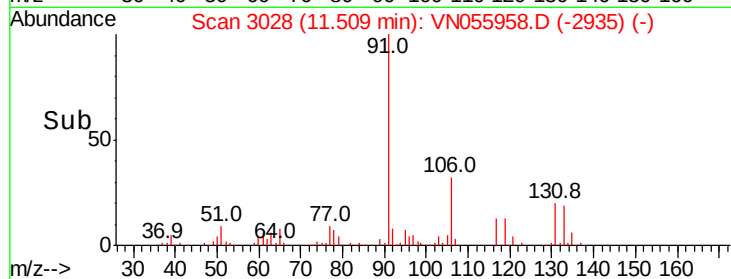
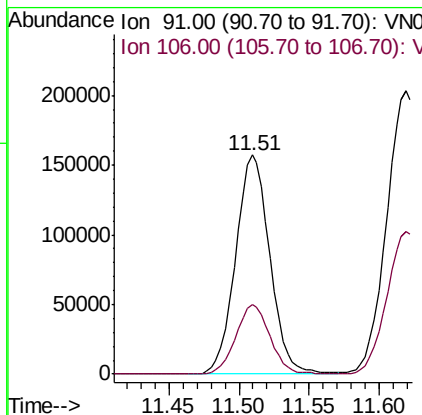
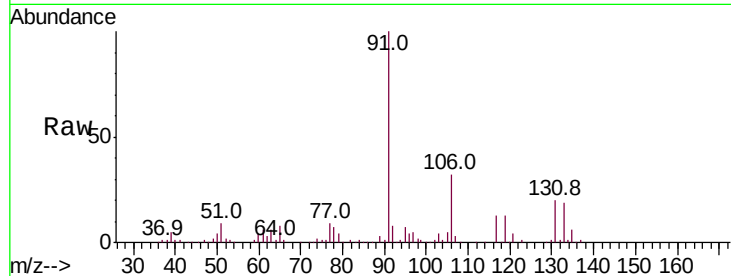
#67
Ethyl Benzene
Concen: 19.232 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampled :
VN0603WBS01

Tot Ion: 91 Resp: 267562
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7

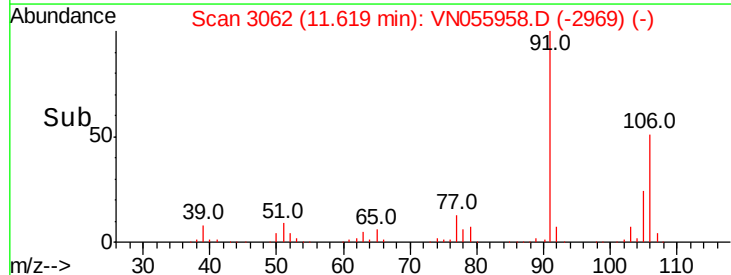
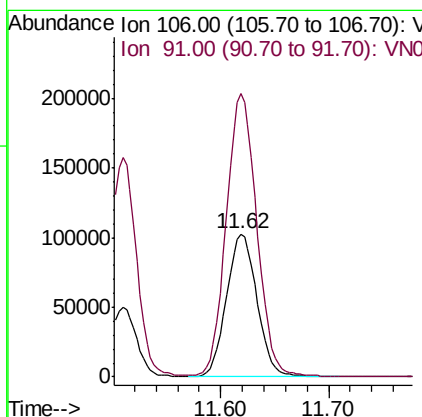
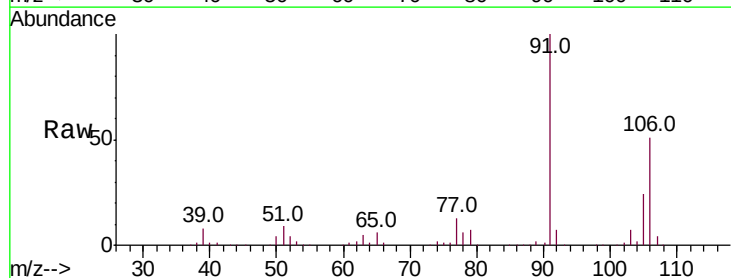
Manual Integrations
APPROVED

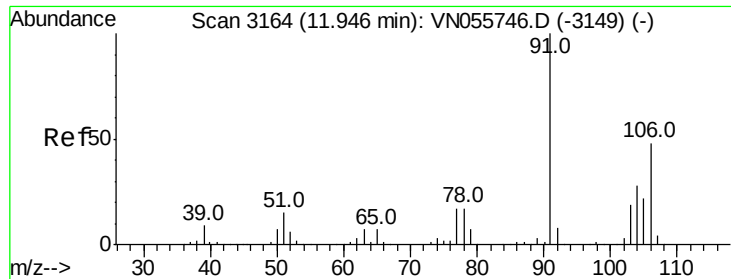
MMDadoda
6/4/2019 11:24:42 AM



#68
m/p-Xylenes
Concen: 38.552 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion: 106 Resp: 202768
Ion Ratio Lower Upper
106 100
91 198.4 159.3 238.9





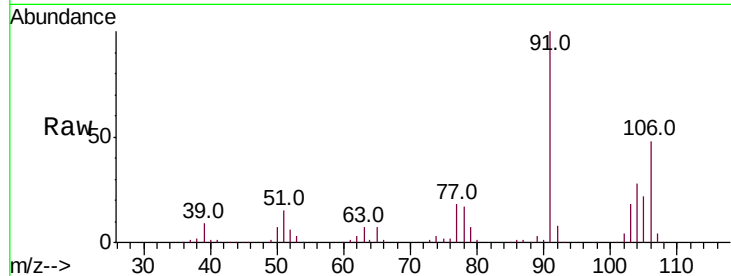
#69
o-Xylene
Concen: 19.326 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampled :
VN0603WBS01

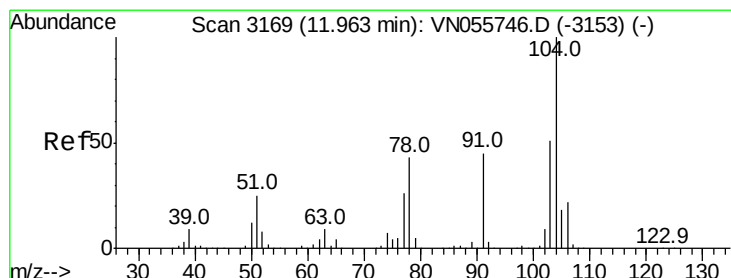
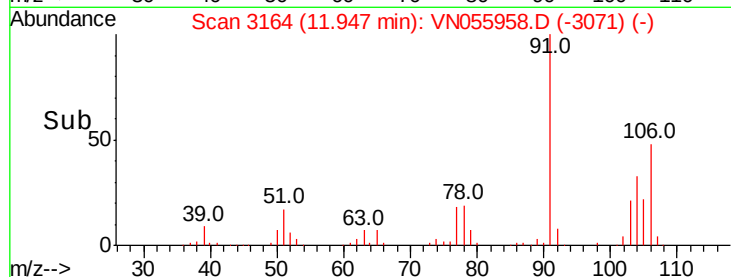
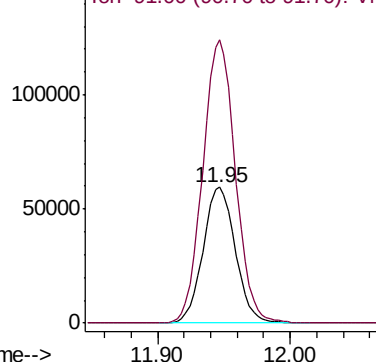
Tot Ion:106 Resp: 100848
Ion Ratio Lower Upper
106 100
91 210.1 104.7 314.1

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM

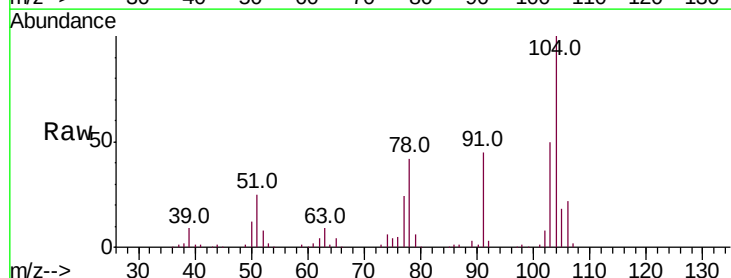


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

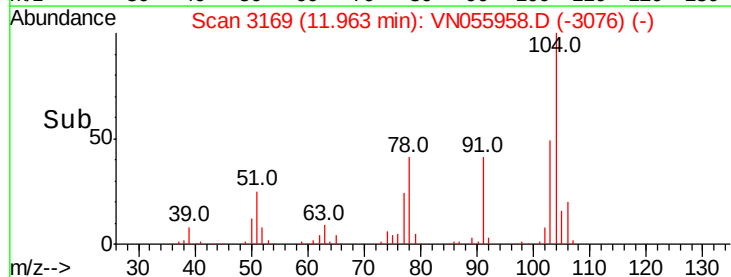
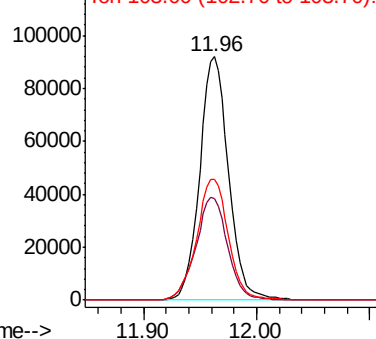


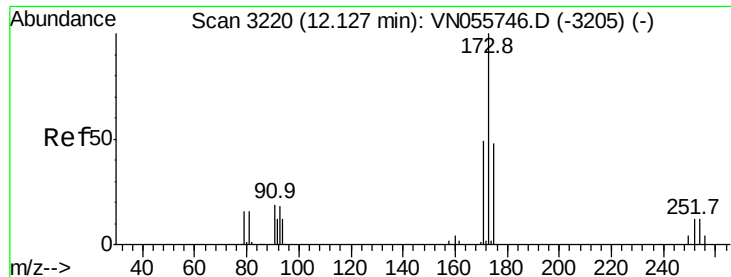
#70
Styrene
Concen: 19.307 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion:104 Resp: 163154
Ion Ratio Lower Upper
104 100
78 46.6 37.8 56.6
103 54.6 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





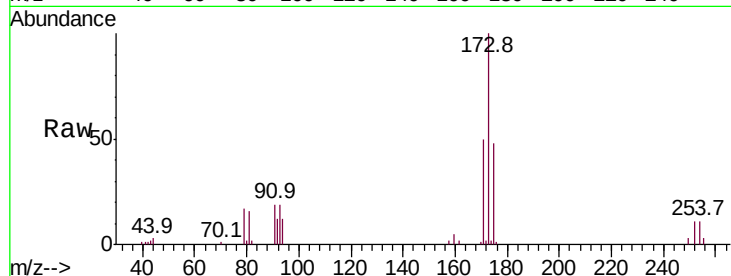
#71
Bromoform
Concen: 14.598 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM

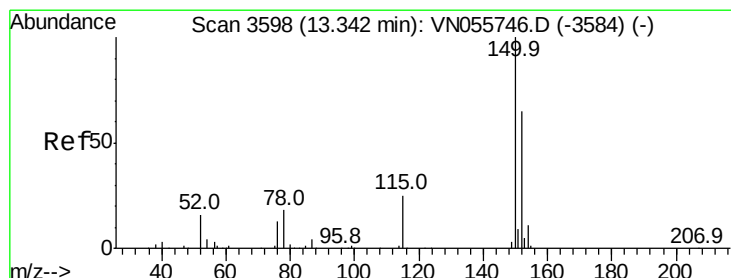
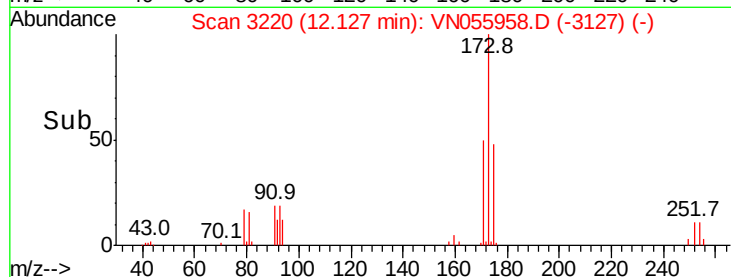
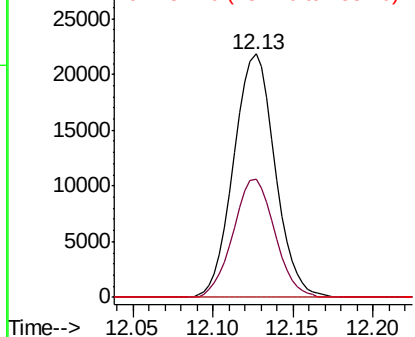


Abundance

Ion 172.70 (172.40 to 173.40): V

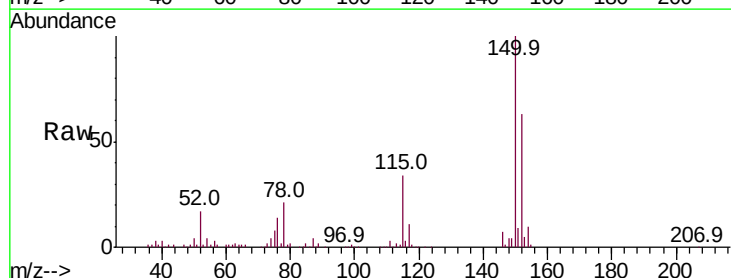
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.0	81.0
150	163.0	0.0	343.2

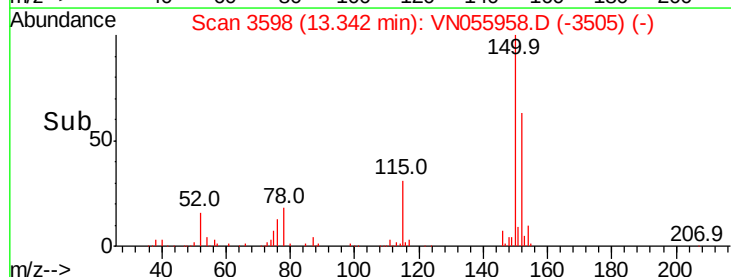
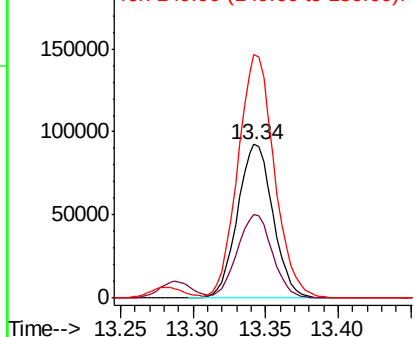


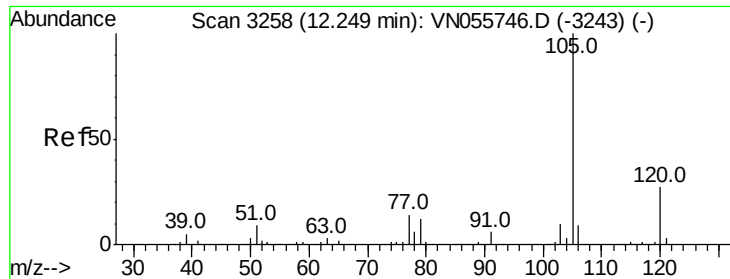
Abundance

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: 22.635 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion:105 Resp: 269311

Ion Ratio Lower Upper

105 100

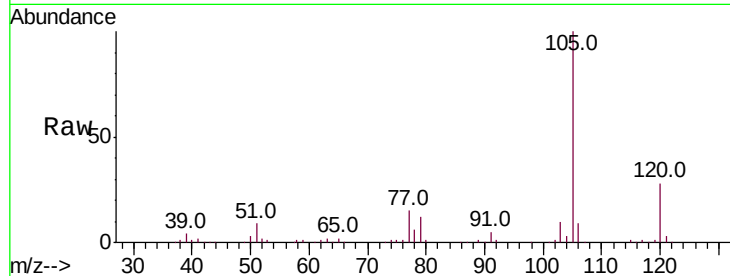
120 27.2 13.6 40.7

Manual Integrations

APPROVED

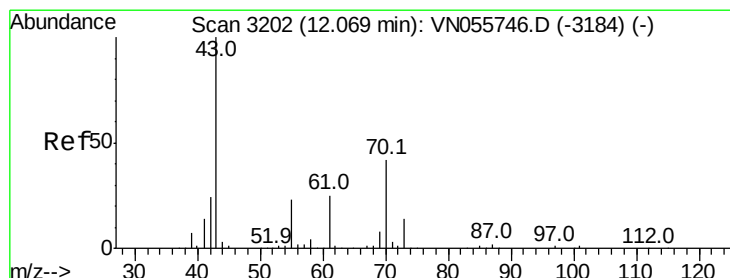
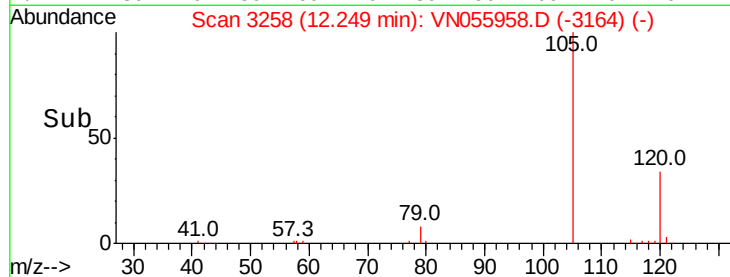
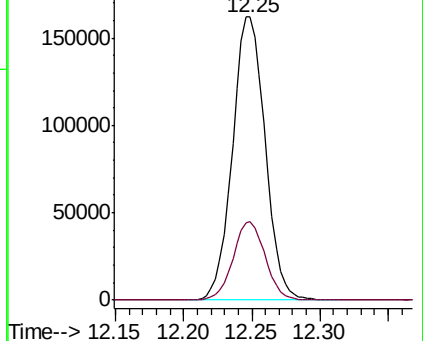
MMDadoda

6/4/2019 11:24:42 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.000 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Tgt Ion: 43 Resp: 94979

Ion Ratio Lower Upper

43 100

70 43.3 34.0 51.0

55 25.5 18.6 28.0

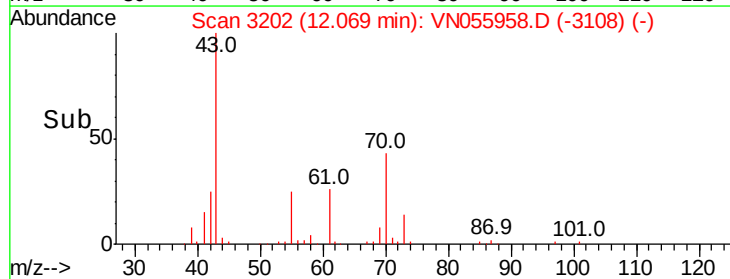
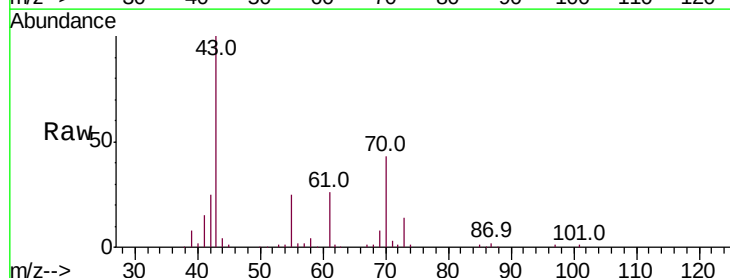
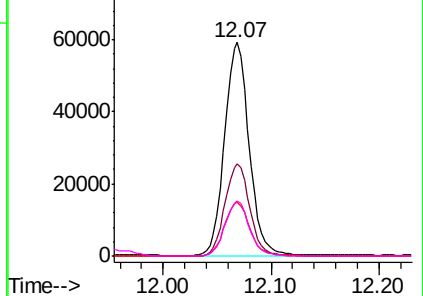
61 25.2 20.0 30.0

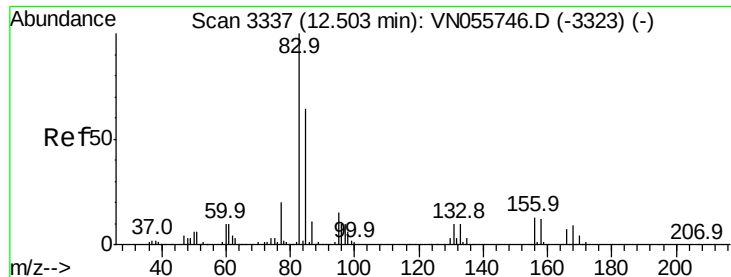
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.179 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

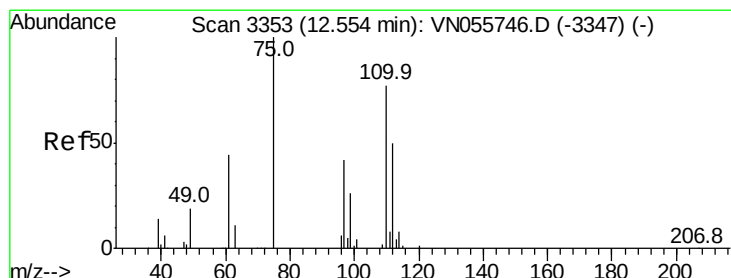
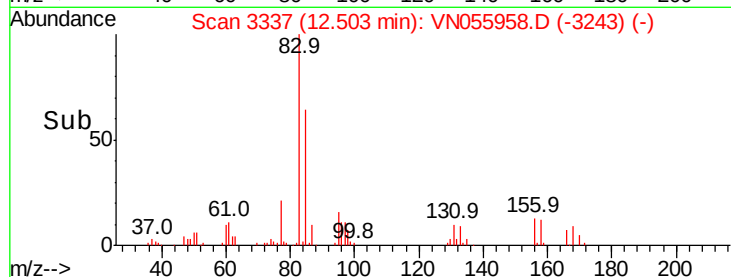
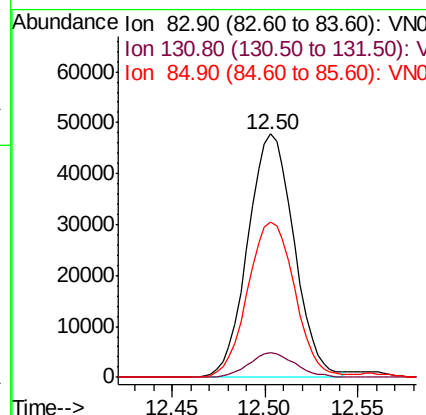
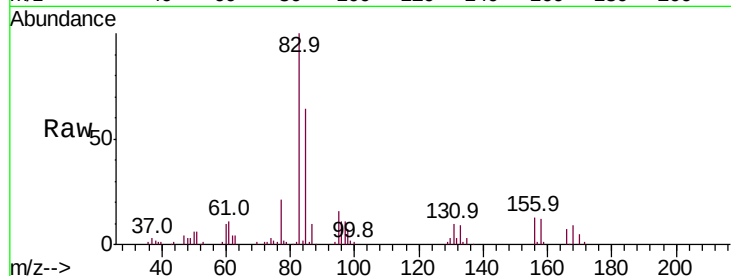
ClientSampled :

VN0603WBS01

Tot Ion:	83	Resp:	82613
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.4	16.2
85	65.1	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM



#76

1,2,3-Trichloropropane

Concen: 23.345 ug/l m

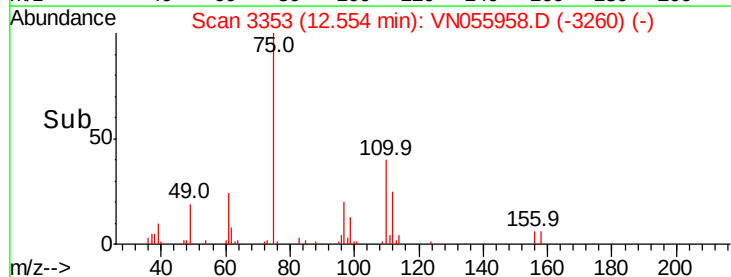
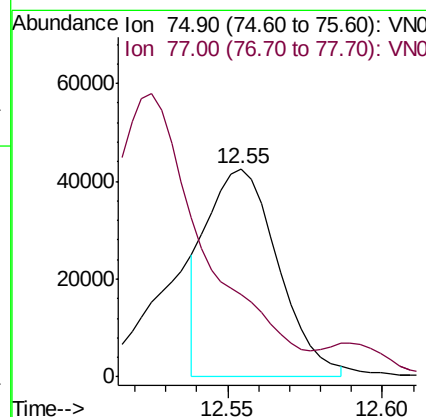
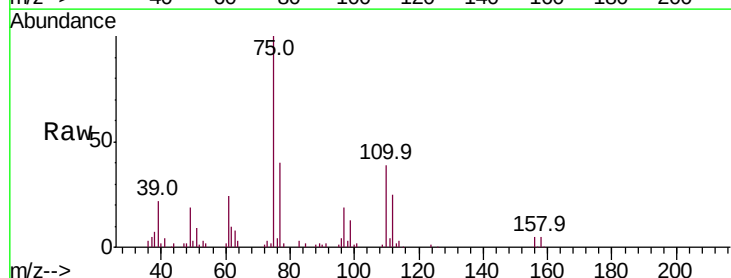
RT: 12.55 min Scan# 3353

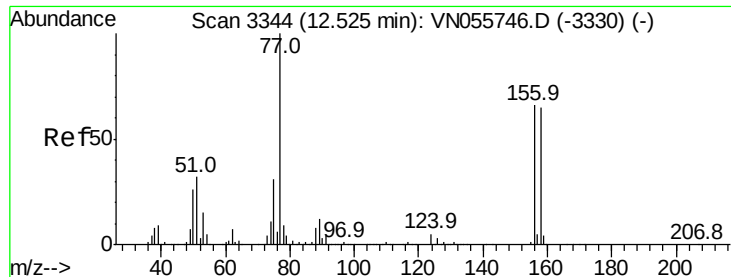
Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Tgt Ion:	75	Resp:	67706
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.997 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

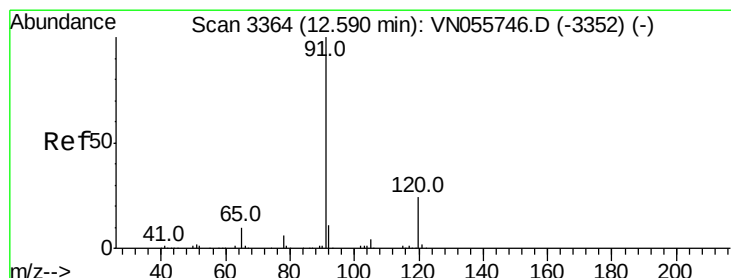
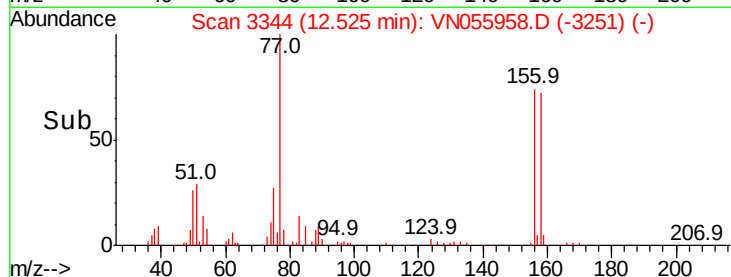
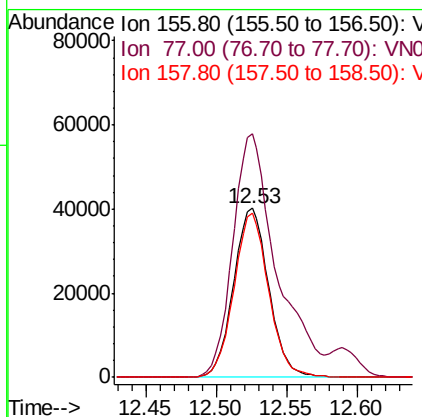
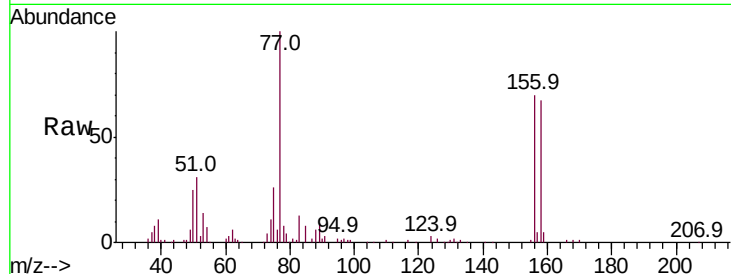
ClientSampleId :

VN0603WBS01

Tot Ion:	156	Resp:	70404
Ion Ratio	Lower	Upper	
156	100		
77	178.9	90.8	272.5
158	95.5	49.3	147.8

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM



#78

n-propylbenzene

Concen: 20.242 ug/l

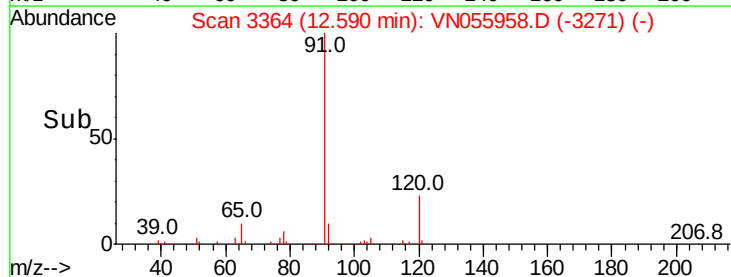
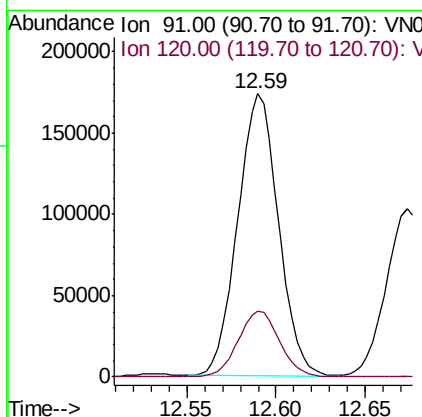
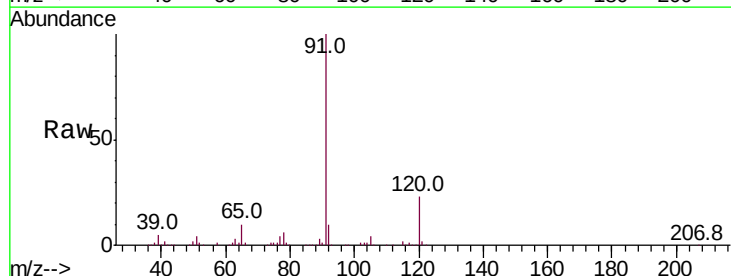
RT: 12.59 min Scan# 3364

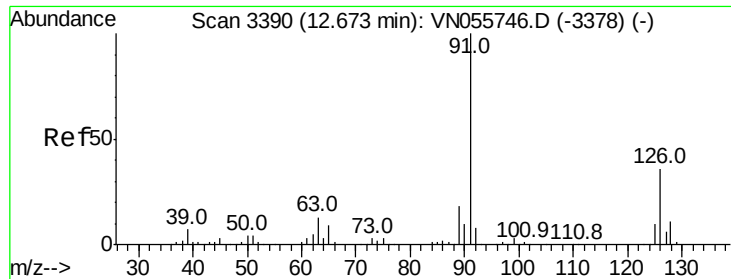
Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Tgt Ion:	91	Resp:	276441
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 22.150 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion: 91 Resp: 173385

Ion Ratio Lower Upper

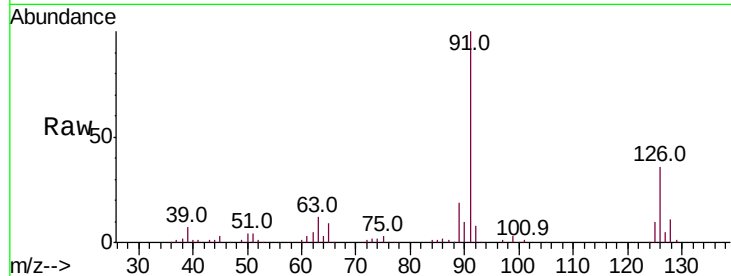
91 100

126 35.7 18.1 54.4

Manual Integrations
APPROVED

MMDadoda

6/4/2019 11:24:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

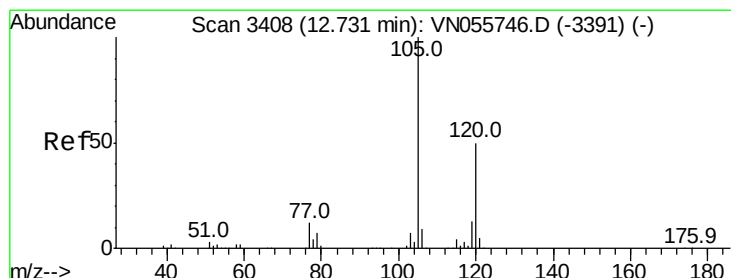
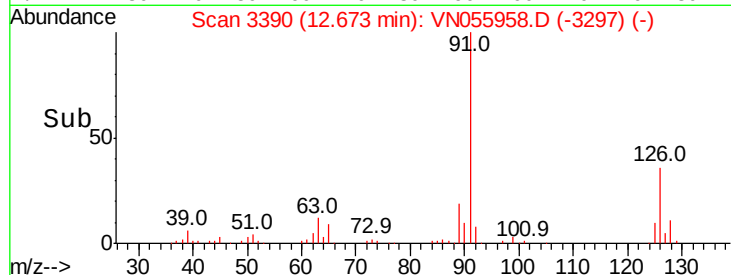
12.67

100000

50000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 21.726 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055958.D

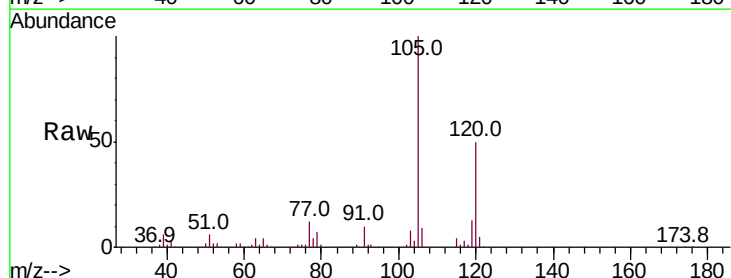
Acq: 3 Jun 2019 13:50

Tgt Ion: 105 Resp: 218021

Ion Ratio Lower Upper

105 100

120 50.3 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

12.73

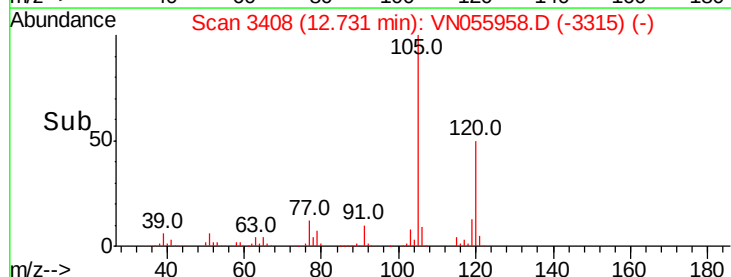
150000

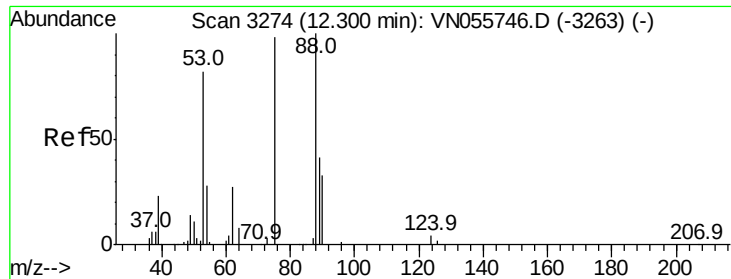
100000

50000

0

Time--> 12.65 12.70 12.75 12.80





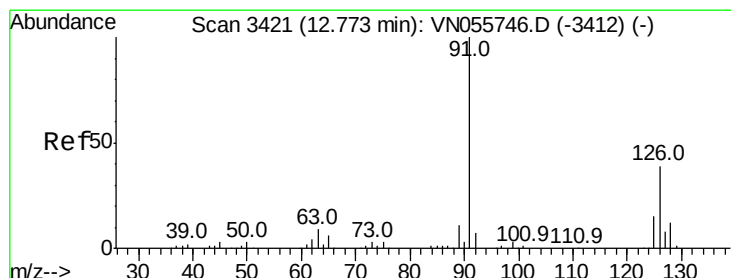
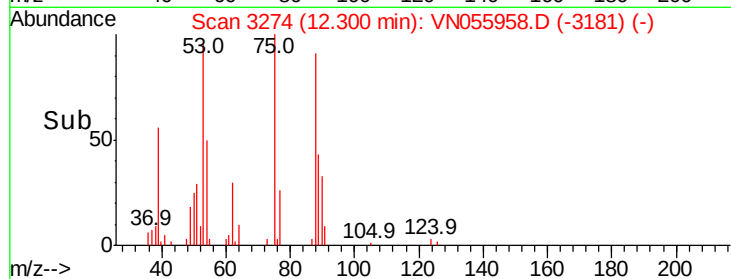
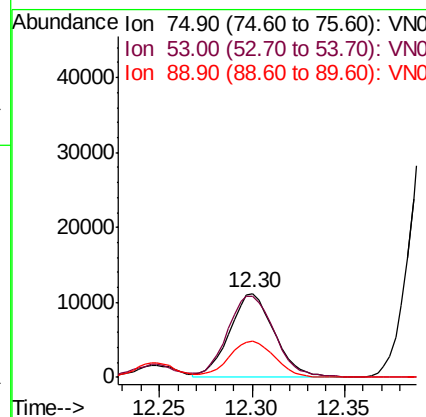
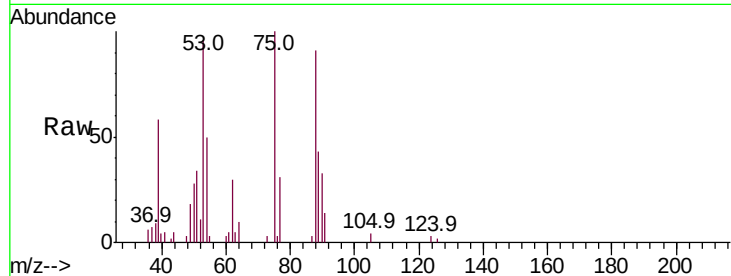
#81
trans-1,4-Dichloro-2-butene
Concen: 16.122 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.6	68.1	102.1
89	43.4	36.9	55.3

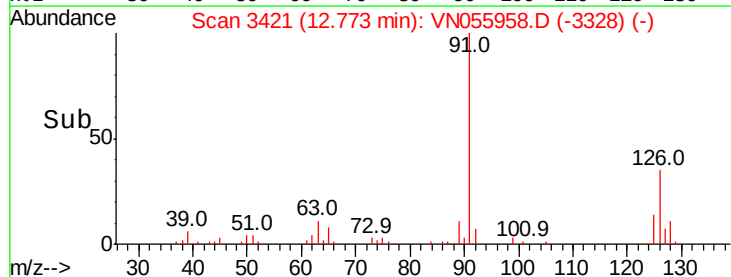
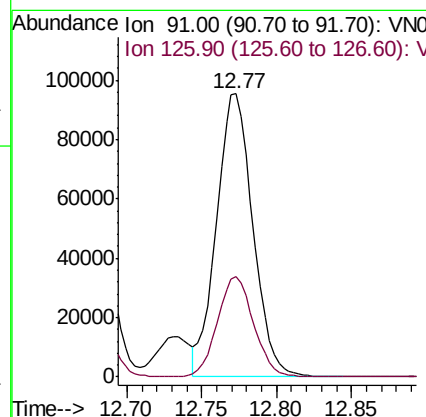
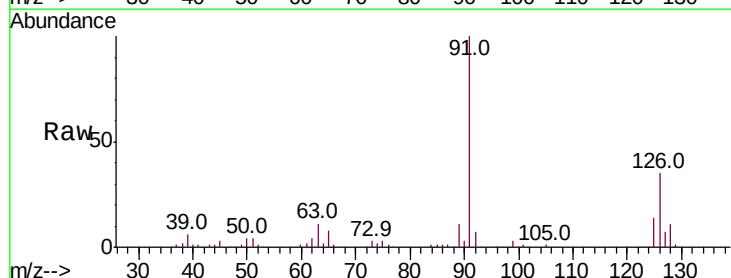
Manual Integrations
APPROVED

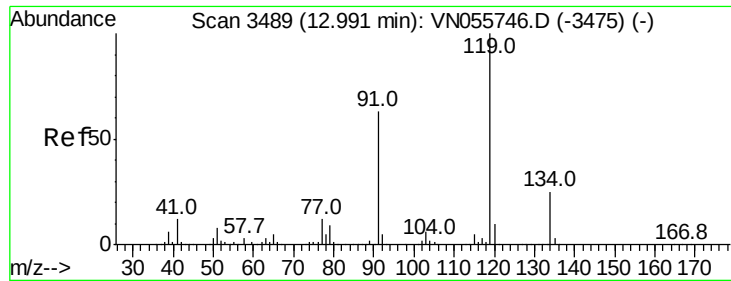
MMDadoda
6/4/2019 11:24:42 AM



#82
4-Chlorotoluene
Concen: 20.141 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.8	53.3





#83

tert-Butylbenzene

Concen: 22.890 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055958.D

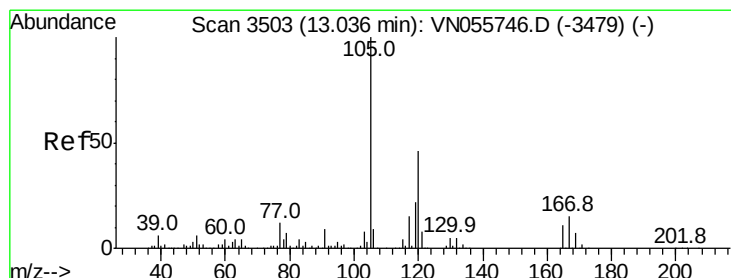
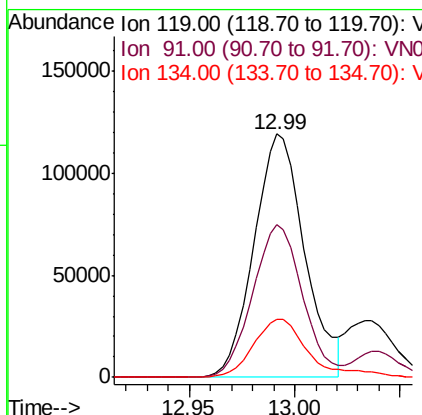
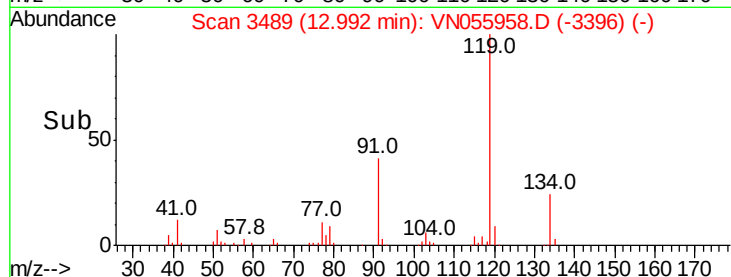
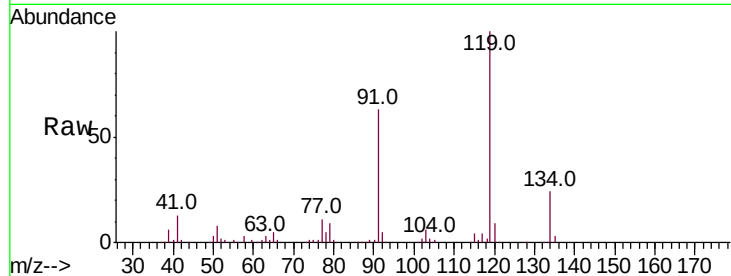
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampled :
VN0603WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	199494		
91	61.5	30.9	92.8	
134	26.1	13.3	39.8	

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM



#84

1,2,4-Trimethylbenzene

Concen: 21.354 ug/l

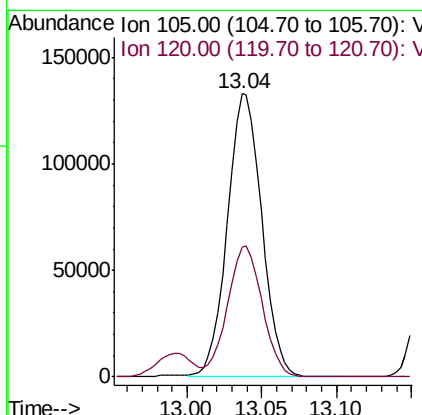
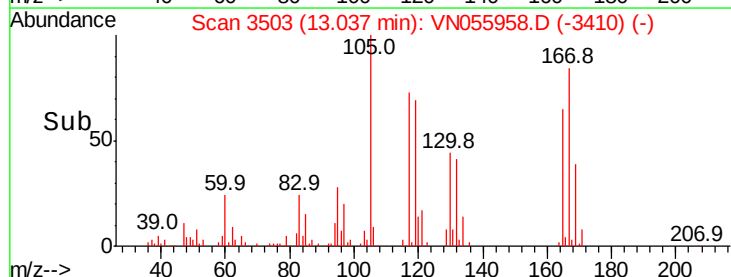
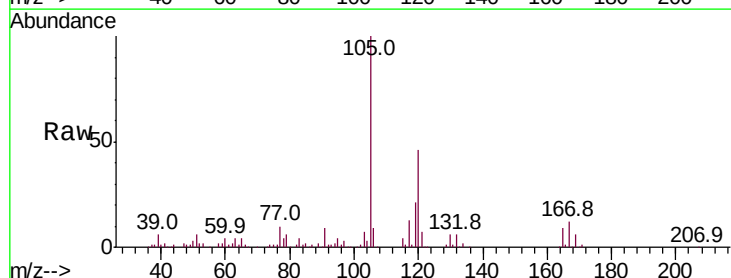
RT: 13.04 min Scan# 3503

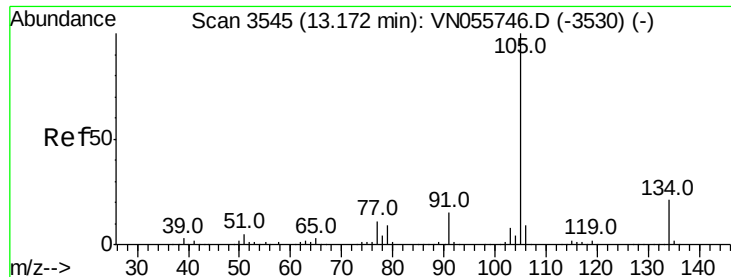
Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	213173		
120	46.6	23.0	69.0	





#85

sec-Butylbenzene

Concen: 22.274 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion:105 Resp: 249457

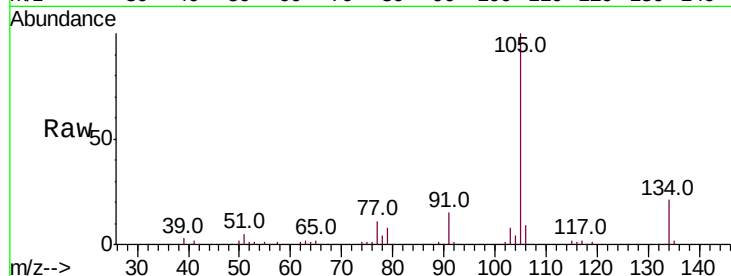
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.2

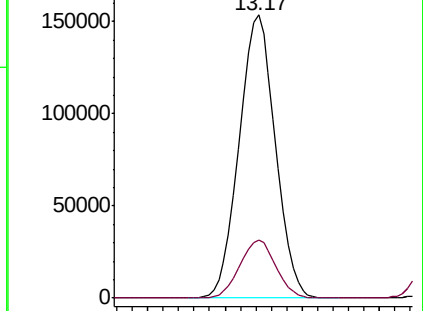
Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM

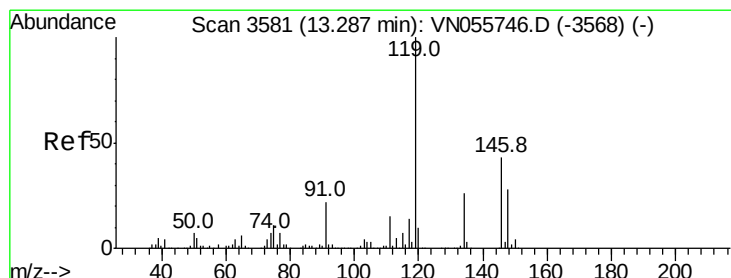
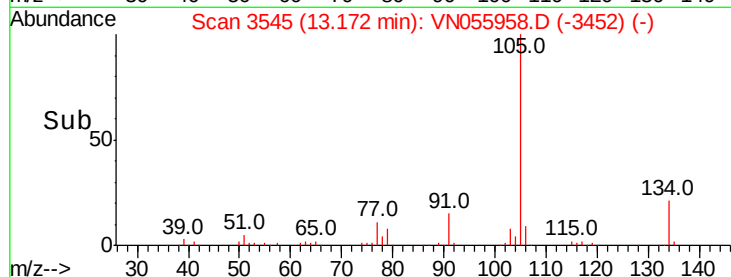


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.026 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055958.D

Acq: 3 Jun 2019 13:50

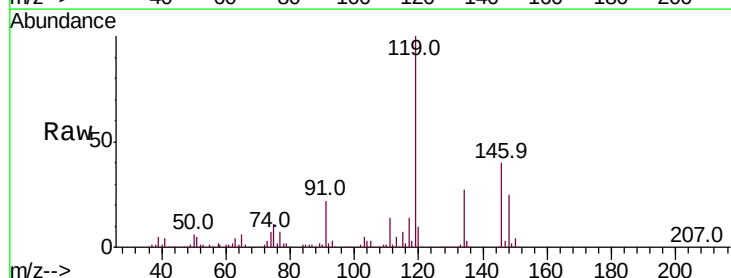
Tgt Ion:119 Resp: 218524

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

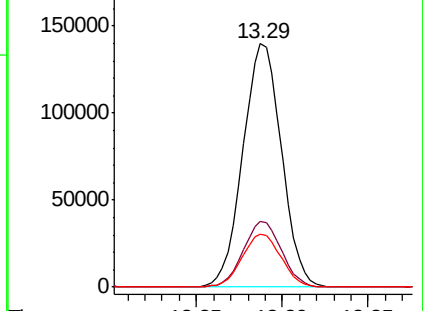
91 22.0 10.9 32.9



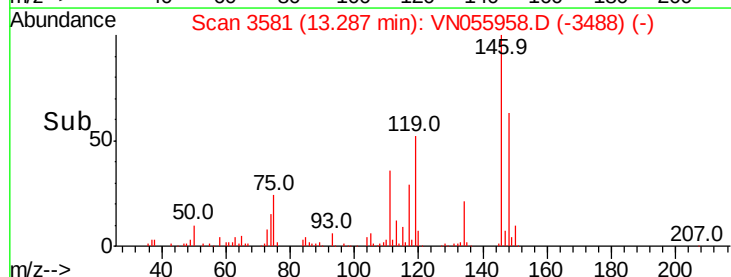
Abundance Ion 119.00 (118.70 to 119.70): V

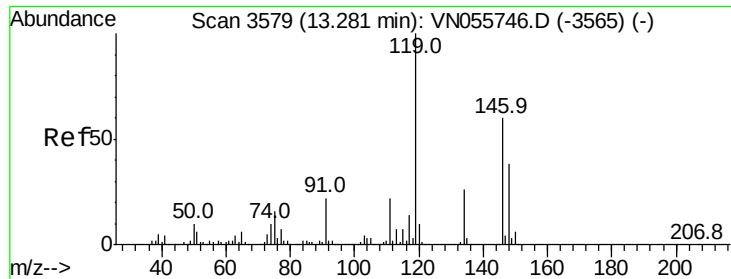
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





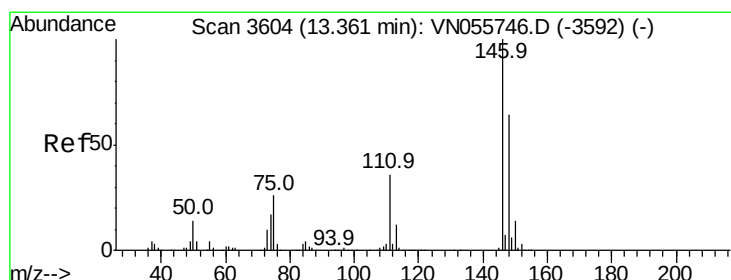
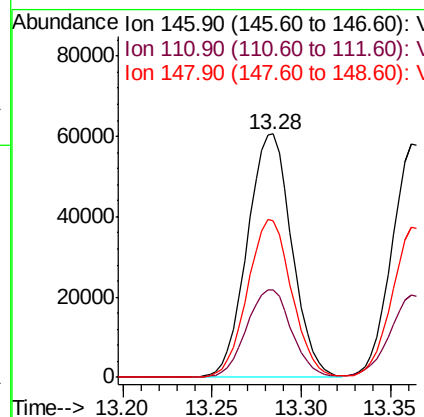
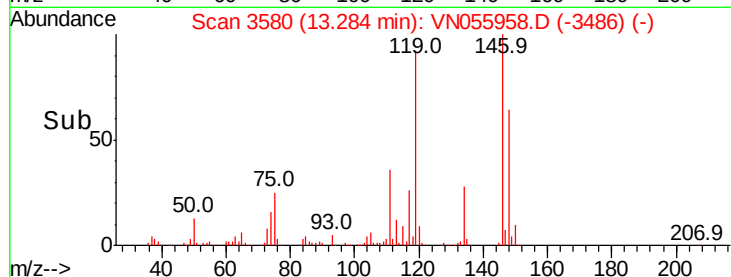
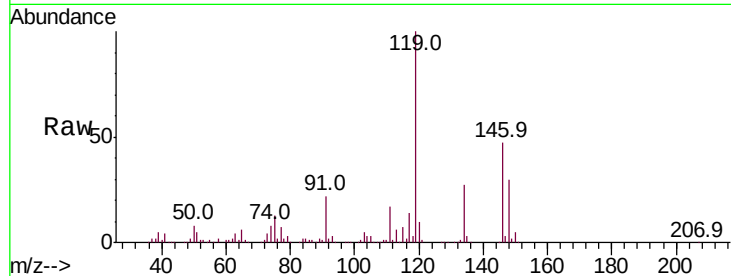
#87
 1,3-Dichlorobenzene
 Concen: 19.865 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.5	55.5
148	64.3	32.0	96.2

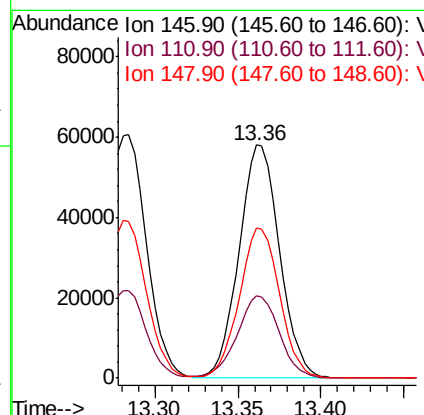
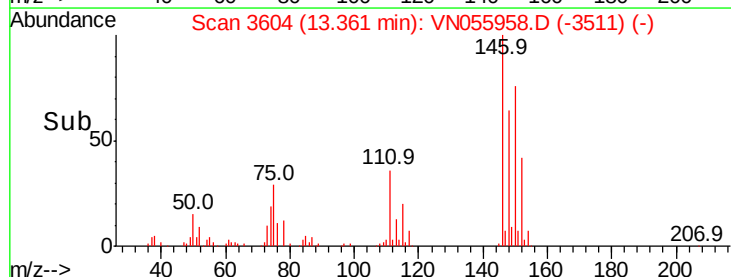
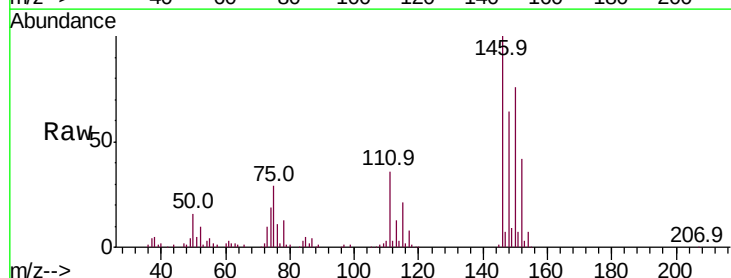
Manual Integrations
 APPROVED

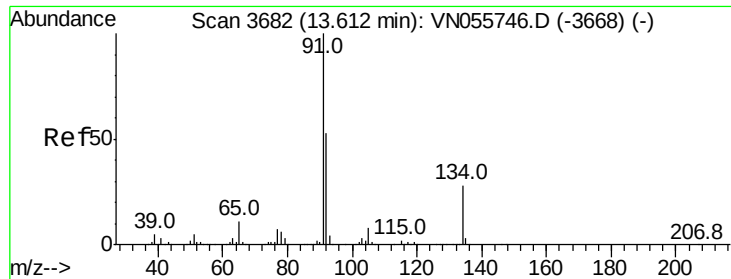
MMDadoda
 6/4/2019 11:24:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.565 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.4
148	64.1	32.1	96.5





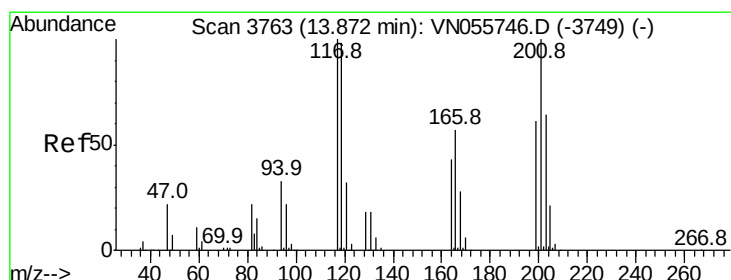
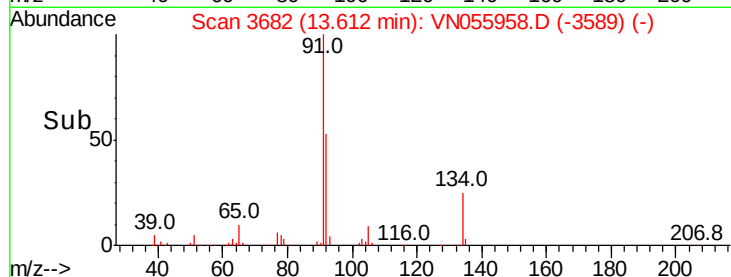
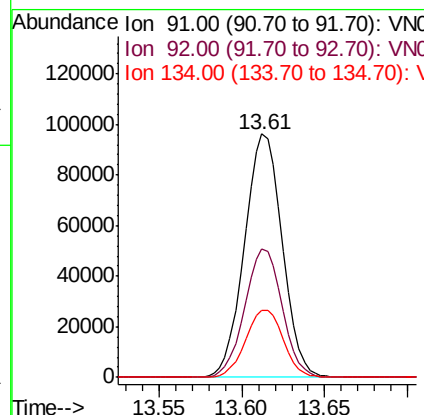
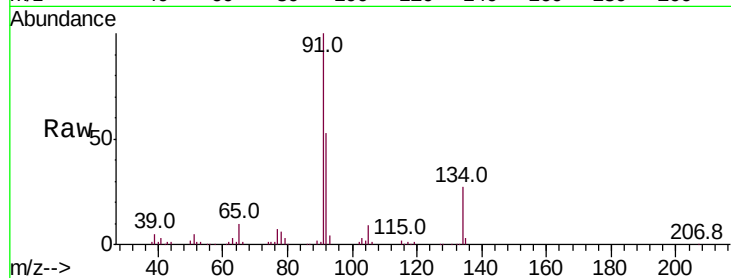
#89
n-Butylbenzene
Concen: 18.250 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.4	79.0
134	27.4	13.9	41.7

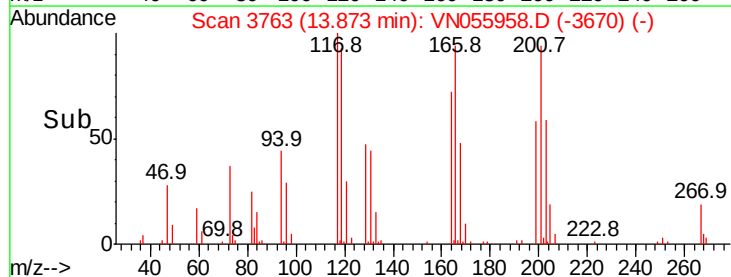
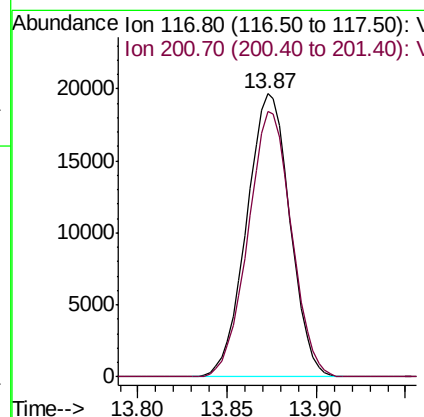
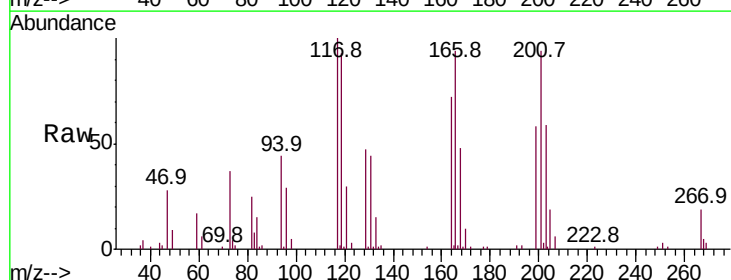
Manual Integrations
APPROVED

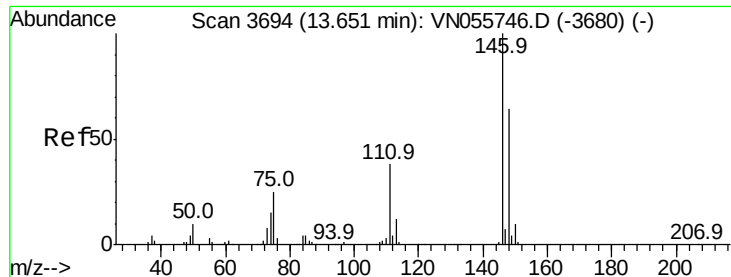
MMDadoda
6/4/2019 11:24:42 AM



#90
Hexachloroethane
Concen: 16.057 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.8	50.0	150.0





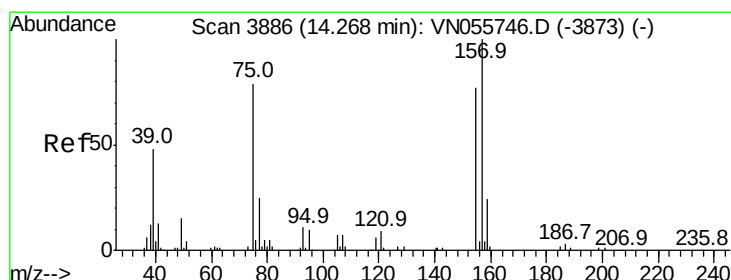
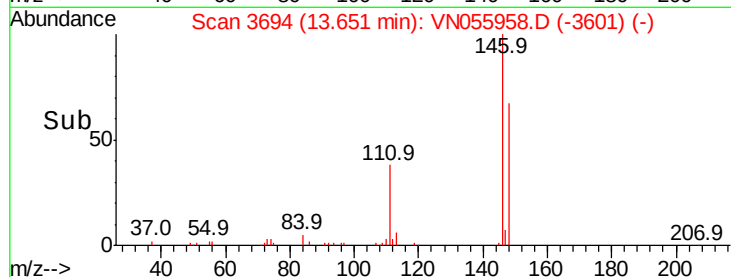
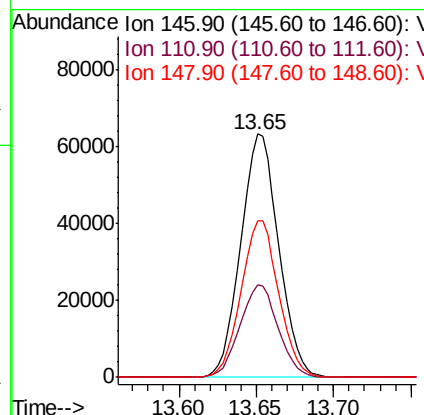
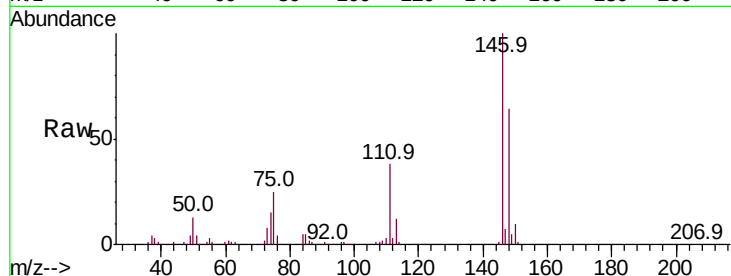
#91
 1,2-Dichlorobenzene
 Concen: 20.330 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	63.9	31.9	95.9

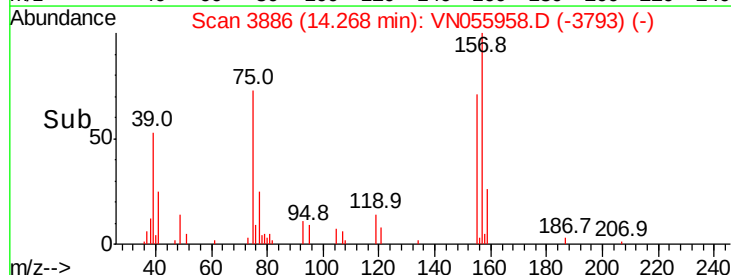
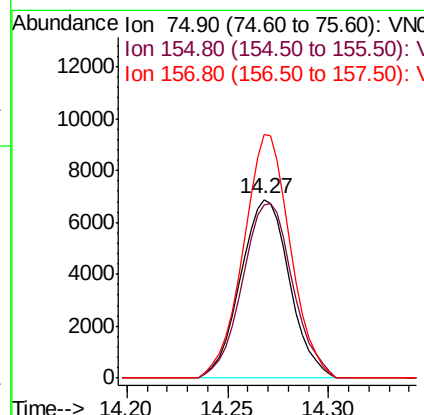
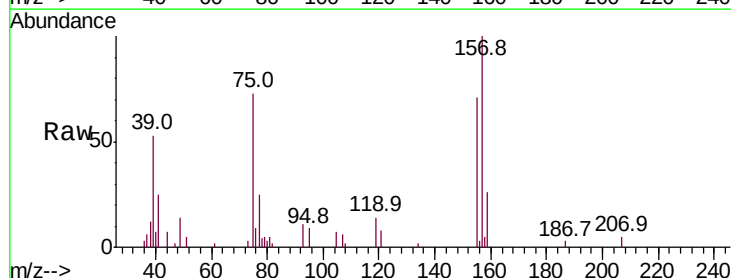
Manual Integrations
 APPROVED

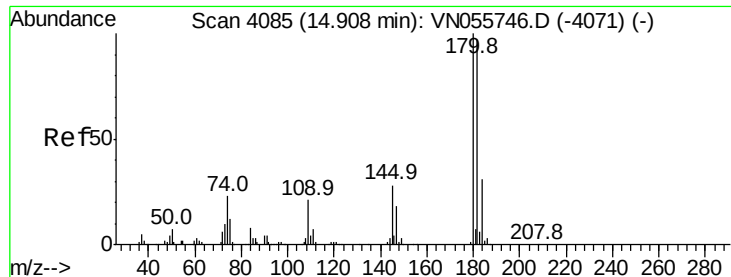
MMDadoda
 6/4/2019 11:24:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.808 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.5	50.0	150.1
157	130.7	64.8	194.3





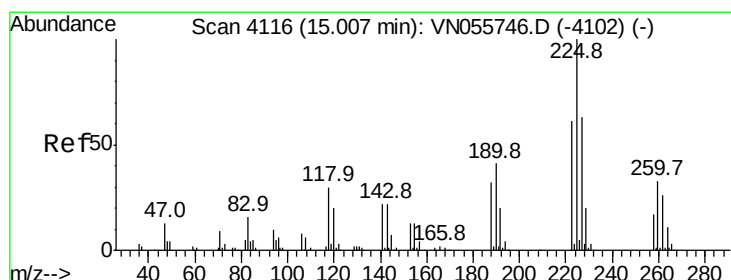
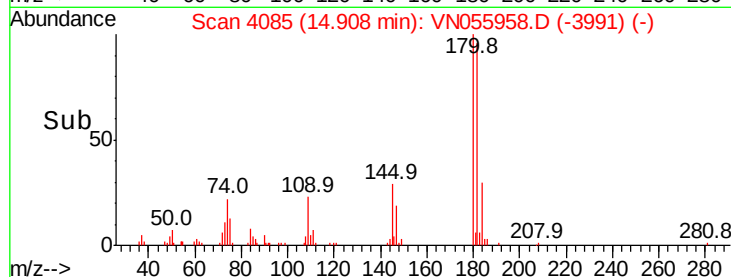
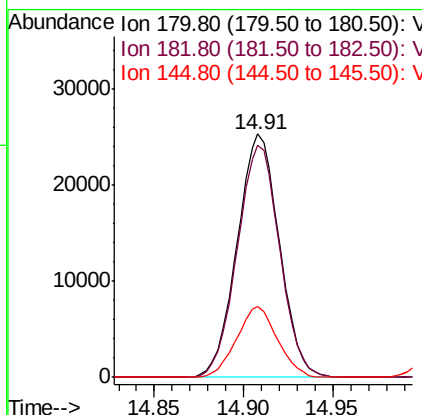
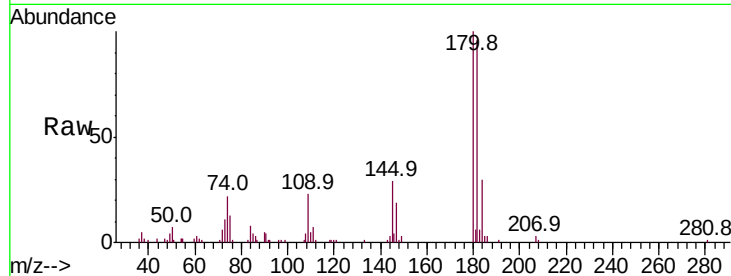
#93
 1,2,4-Trichlorobenzene
 Concen: 16.372 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	28.1	14.0	41.9

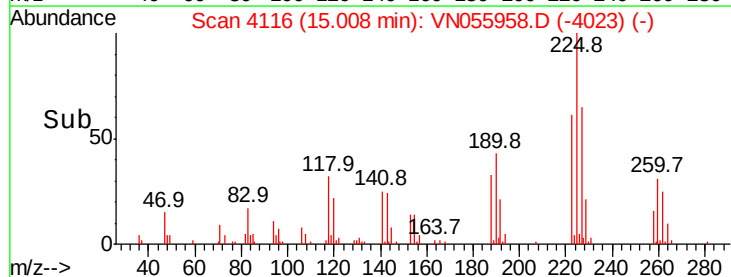
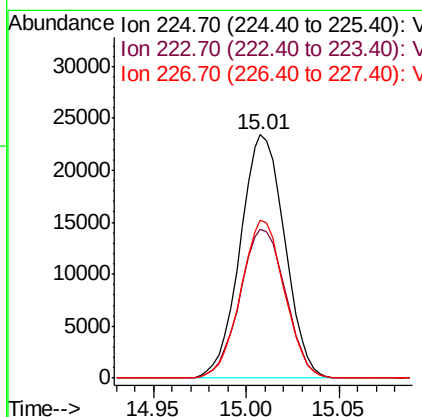
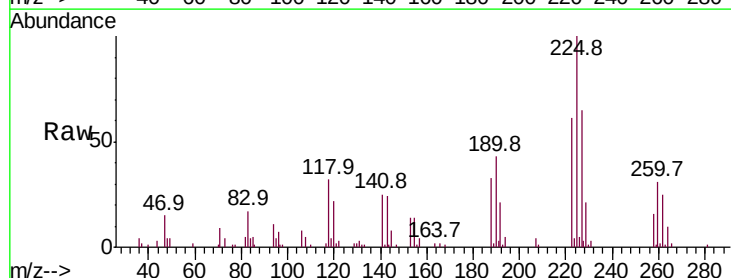
Manual Integrations
 APPROVED

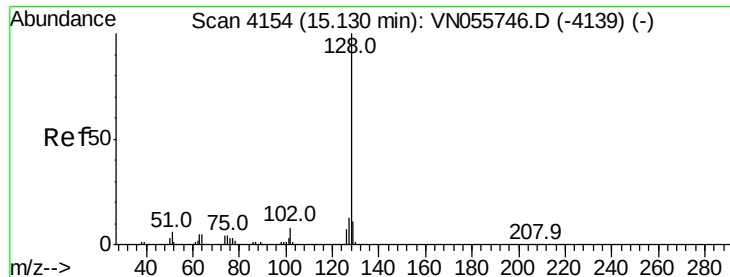
MMDadoda
 6/4/2019 11:24:42 AM



#94
 Hexachlorobutadiene
 Concen: 19.822 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055958.D
 Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.9	92.7
227	63.8	31.6	94.7





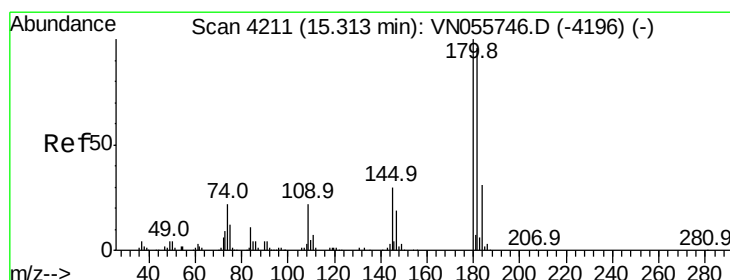
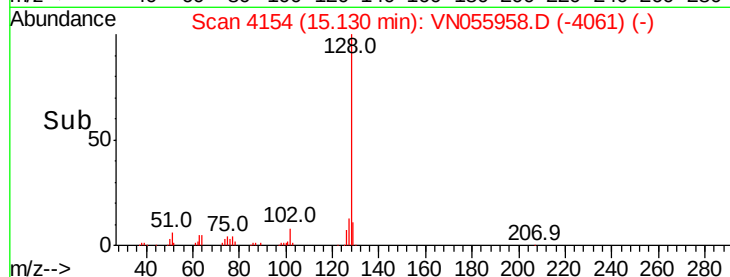
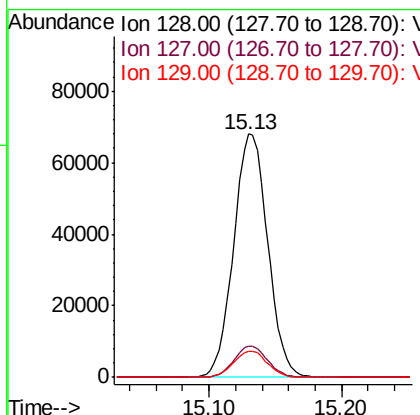
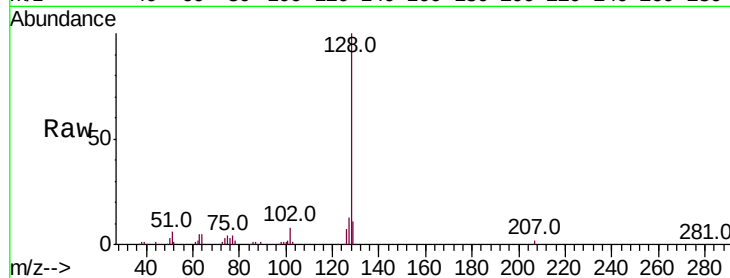
#95
Naphthalene
Concen: 16.683 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.802 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055958.D
Acq: 3 Jun 2019 13:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.7
145	29.5	14.9	44.7

