

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\
 Data File : VN055965.D
 Acq On : 3 Jun 2019 16:45
 Operator : JC/SP
 Sample : VN0603WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 11:24:53 AM

Quant Time: Jun 04 02:07:49 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	301136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	449322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	396039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164691	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	160639	51.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.30%	
35) Dibromofluoromethane	7.59	113	143986	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
50) Toluene-d8	10.09	98	535391	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.40	95	179382	48.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	35916	17.722	ug/l	98
3) Chloromethane	2.06	50	52093	18.345	ug/l	97
4) Vinyl Chloride	2.18	62	55311	18.263	ug/l	99
5) Bromomethane	2.53	94	39576m	20.887	ug/l	
6) Chloroethane	2.68	64	35596	19.521	ug/l	97
7) Trichlorofluoromethane	3.00	101	76087	19.162	ug/l	97
8) Diethyl Ether	3.40	74	35302	19.836	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	48627	19.619	ug/l	100
10) Methyl Iodide	3.94	142	76307	21.057	ug/l	99
11) Tert butyl alcohol	4.81	59	58348	98.196	ug/l	98
12) 1,1-Dichloroethene	3.72	96	48516	18.944	ug/l	98
13) Acrolein	3.60	56	29631	69.643	ug/l	95
14) Allyl chloride	4.31	41	81555	18.576	ug/l	99
15) Acrylonitrile	4.99	53	148138	108.571	ug/l	98
16) Acetone	3.82	43	136468	99.827	ug/l	99
17) Carbon Disulfide	4.04	76	97061	13.339	ug/l	99
18) Methyl Acetate	4.33	43	67596	23.657	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	174677	20.450	ug/l	99
20) Methylene Chloride	4.54	84	59734	20.177	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	53055	19.283	ug/l	96
22) Diisopropyl ether	5.95	45	174351	20.418	ug/l	99
23) Vinyl Acetate	5.90	43	718016	98.070	ug/l	99
24) 1,1-Dichloroethane	5.84	63	100141	20.142	ug/l	100
25) 2-Butanone	6.84	43	202057	105.834	ug/l	100
26) 2,2-Dichloropropane	6.82	77	71358	16.584	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	64987	20.245	ug/l	99
28) Bromochloromethane	7.19	49	49155	20.765	ug/l	97
29) Tetrahydrofuran	7.22	42	132322	109.445	ug/l	99
30) Chloroform	7.37	83	100621	20.293	ug/l	100
31) Cyclohexane	7.65	56	87504	18.746	ug/l #	92
32) 1,1,1-Trichloroethane	7.57	97	82573	18.662	ug/l	100
36) 1,1-Dichloropropene	7.79	75	70719	18.061	ug/l	99
37) Ethyl Acetate	6.93	43	78628	20.776	ug/l	99
38) Carbon Tetrachloride	7.77	117	68367	16.762	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\
 Data File : VN055965.D
 Acq On : 3 Jun 2019 16:45
 Operator : JC/SP
 Sample : VN0603WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0603WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 11:24:53 AM

Quant Time: Jun 04 02:07:49 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	85655	17.665	ug/l	100
40) Benzene	8.04	78	233315	19.771	ug/l	100
41) Methacrylonitrile	7.18	41	40904m	21.394	ug/l	
42) 1,2-Dichloroethane	8.12	62	77384	20.068	ug/l	99
43) Isopropyl Acetate	8.17	43	123243	19.382	ug/l #	91
44) Trichloroethene	8.83	130	64026	19.461	ug/l	98
45) 1,2-Dichloropropane	9.12	63	61313	19.941	ug/l	95
46) Dibromomethane	9.21	93	39504	19.591	ug/l	97
47) Bromodichloromethane	9.40	83	72879	17.626	ug/l	99
48) Methyl methacrylate	9.20	41	60099	20.508	ug/l	98
49) 1,4-Dioxane	9.20	88	26076	428.187	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	391402	104.224	ug/l	99
52) Toluene	10.15	92	147587	19.885	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	74843	16.958	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	87886	17.975	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	61847	20.801	ug/l	98
56) Ethyl methacrylate	10.43	69	91128	19.831	ug/l	98
57) 1,3-Dichloropropane	10.71	76	98883	20.460	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	178806	101.820	ug/l	99
59) 2-Hexanone	10.75	43	278562	104.561	ug/l	99
60) Dibromochloromethane	10.90	129	60109	17.354	ug/l	100
61) 1,2-Dibromoethane	11.00	107	62624	20.306	ug/l	99
64) Tetrachloroethene	10.63	164	63915	19.135	ug/l	99
65) Chlorobenzene	11.43	112	156534	19.744	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	56358	17.823	ug/l	99
67) Ethyl Benzene	11.51	91	273703	19.251	ug/l	97
68) m/p-Xylenes	11.62	106	206749	38.465	ug/l	100
69) o-Xylene	11.95	106	105021	19.694	ug/l	98
70) Styrene	11.96	104	169199	19.593	ug/l	100
71) Bromoform	12.13	173	40155	14.888	ug/l #	99
73) Isopropylbenzene	12.25	105	271947	21.704	ug/l	99
74) N-amyl acetate	12.07	43	100537	21.233	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	86729	23.223	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	74405m	24.641	ug/l	
77) Bromobenzene	12.53	156	72219	20.550	ug/l	99
78) n-propylbenzene	12.59	91	283081	19.777	ug/l	99
79) 2-Chlorotoluene	12.67	91	178156	21.662	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	224820	21.331	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20178	16.485	ug/l	88
82) 4-Chlorotoluene	12.77	91	168210	19.992	ug/l	99
83) tert-Butylbenzene	12.99	119	201473	21.938	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	219576	20.943	ug/l	100
85) sec-Butylbenzene	13.17	105	255050	21.667	ug/l	100
86) p-Isopropyltoluene	13.29	119	227972	19.933	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	111418	20.022	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	106339	20.099	ug/l	99
89) n-Butylbenzene	13.61	91	165227	18.855	ug/l	99
90) Hexachloroethane	13.87	117	34137	15.681	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	114204	20.570	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13377	18.332	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\
Data File : VN055965.D
Acq On : 3 Jun 2019 16:45
Operator : JC/SP
Sample : VN0603WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM

Quant Time: Jun 04 02:07:49 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	49017	17.866	ug/l	99
94) Hexachlorobutadiene	15.01	225	41626	20.216	ug/l	99
95) Naphthalene	15.13	128	143485	18.834	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	57022	19.430	ug/l	99

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

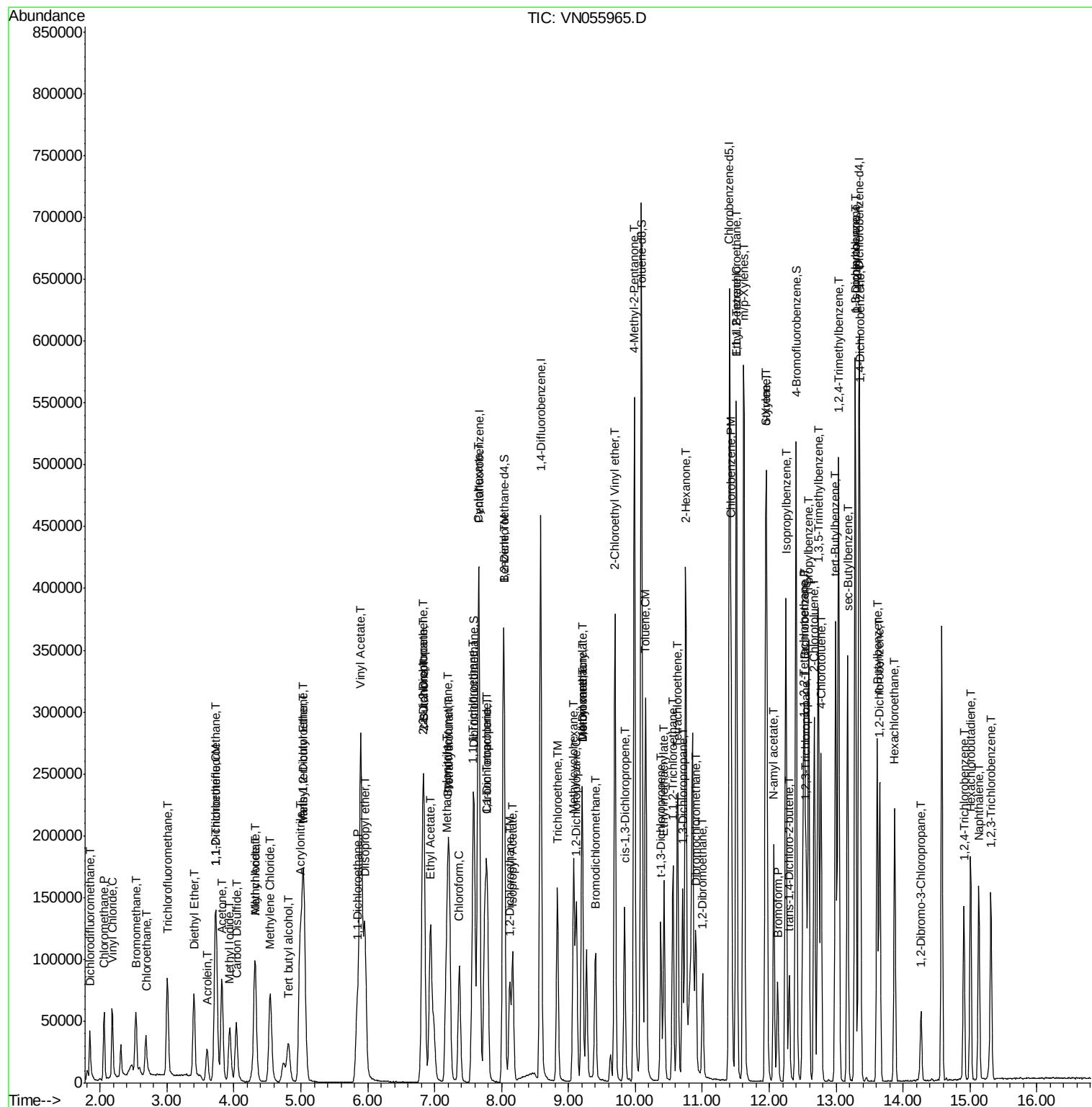
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060319\
Data File : VN055965.D
Acq On : 3 Jun 2019 16:45
Operator : JC/SP
Sample : VN0603WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

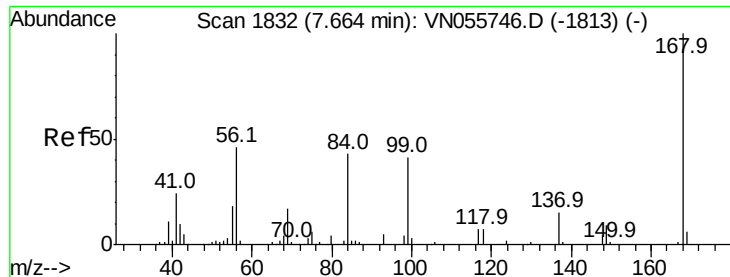
Instrument :
MSVOA_N
Client Sampled :
VN0603WBSD01

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM

Quant Time: Jun 04 02:07:49 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: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

ClientSampled :

VN0603WBSD01

Tot Ion:168 Resp: 301136

Ion Ratio Lower Upper

168 100

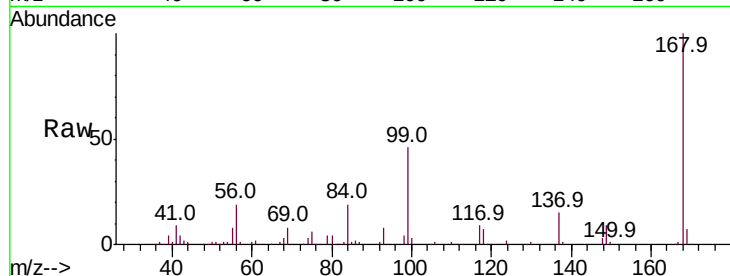
99 46.0 37.2 55.8

Manual Integrations

APPROVED

MMDadoda

6/4/2019 11:24:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

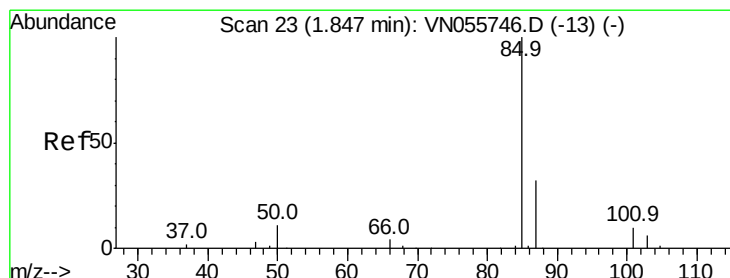
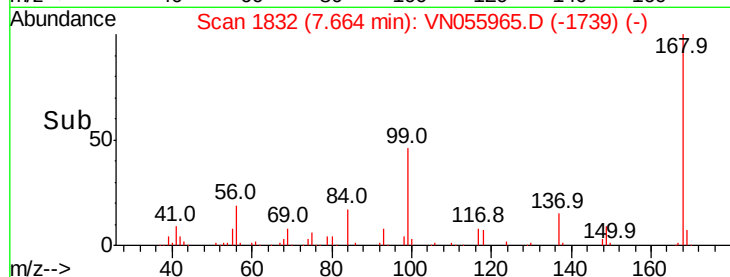
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.722 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055965.D

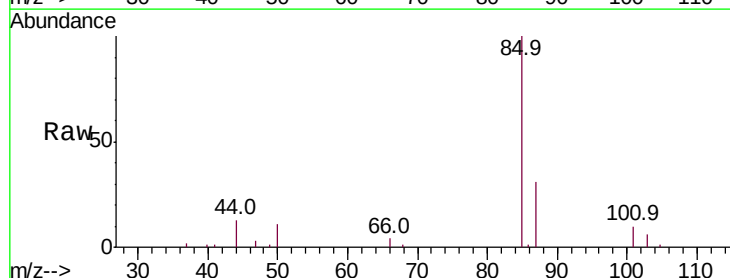
Acq: 3 Jun 2019 16:45

Tgt Ion: 85 Resp: 35916

Ion Ratio Lower Upper

85 100

87 30.8 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

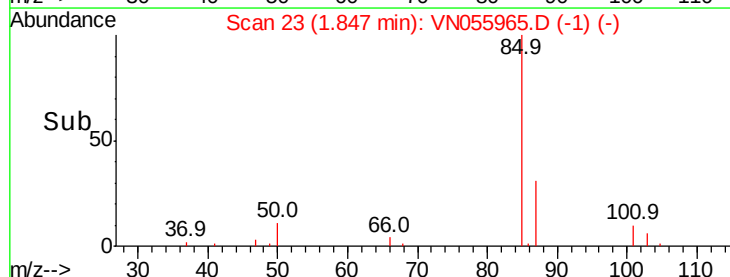
15000

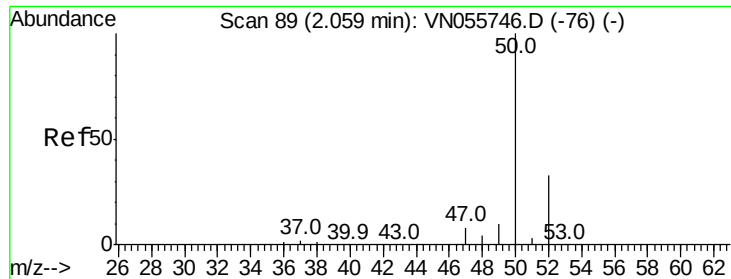
10000

5000

0

Time-->





#3

Chloromethane

Concen: 18.345 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBSD01

Tot Ion: 50 Resp: 52093

Ion Ratio Lower Upper

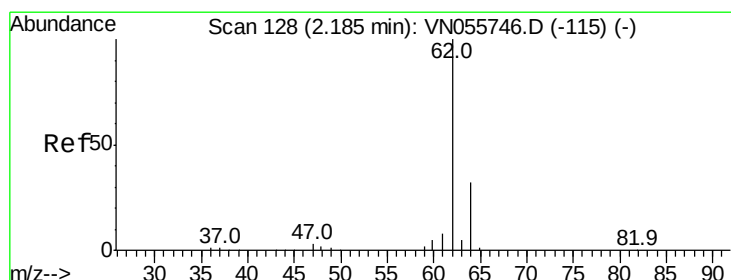
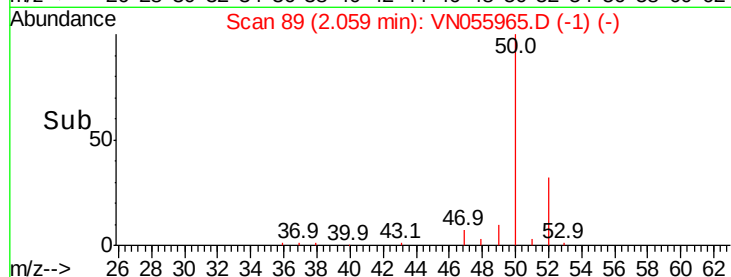
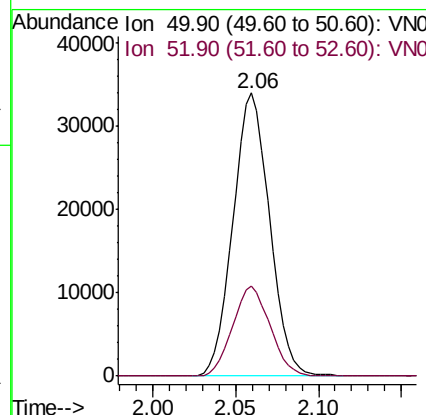
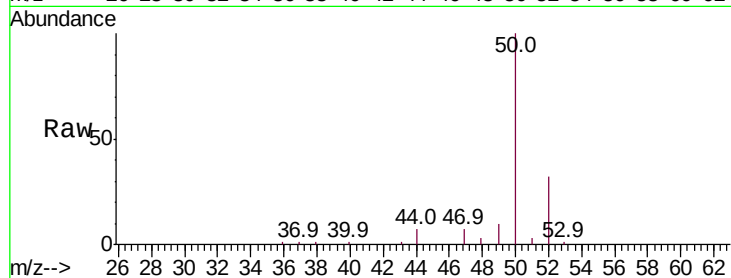
50 100

52 31.8 26.6 40.0

Manual Integrations
APPROVED

MMDadoda

6/4/2019 11:24:53 AM



#4

Vinyl Chloride

Concen: 18.263 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055965.D

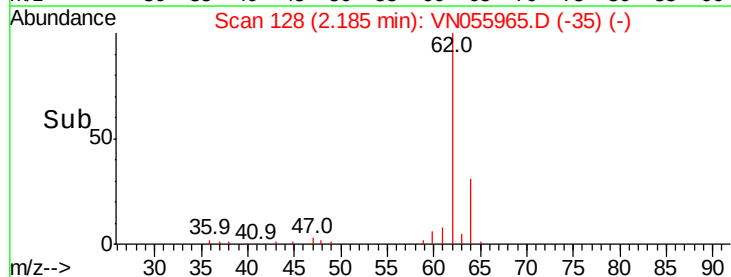
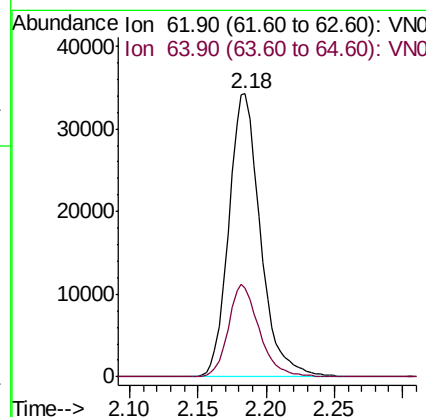
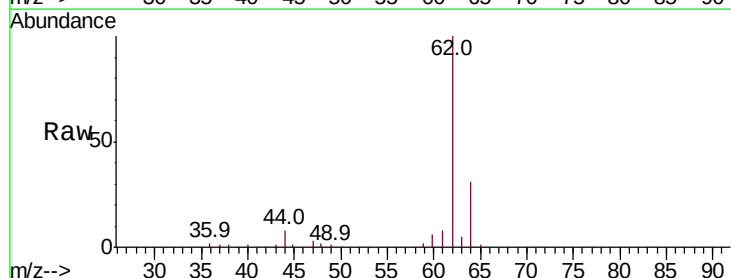
Acq: 3 Jun 2019 16:45

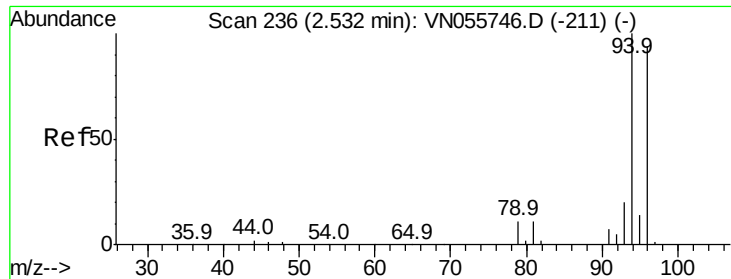
Tgt Ion: 62 Resp: 55311

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 20.887 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBSD01

Tot Ion: 94 Resp: 39576

Ion Ratio Lower Upper

94 100

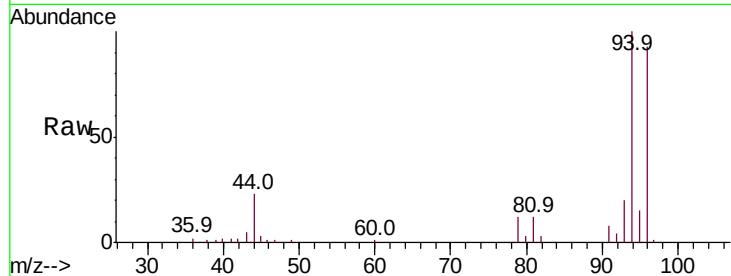
96 92.6 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

6/4/2019 11:24:53 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

20000

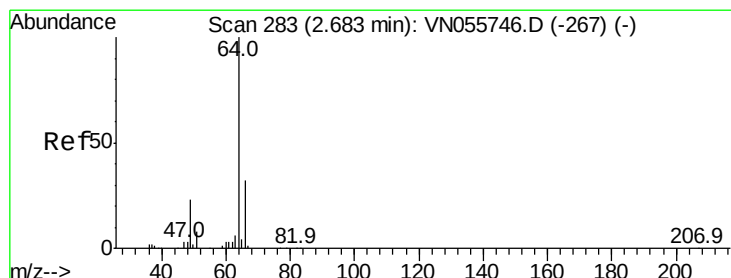
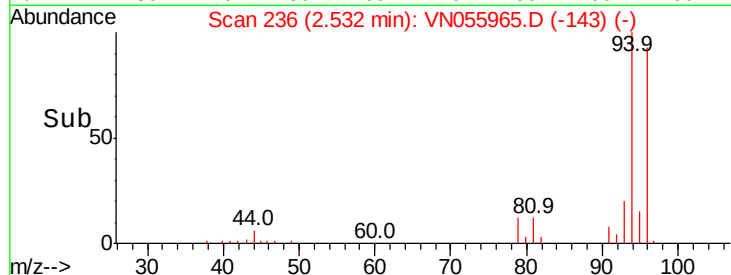
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.521 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN055965.D

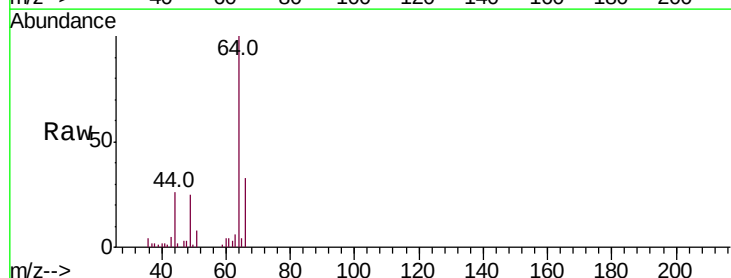
Acq: 3 Jun 2019 16:45

Tgt Ion: 64 Resp: 35596

Ion Ratio Lower Upper

64 100

66 33.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

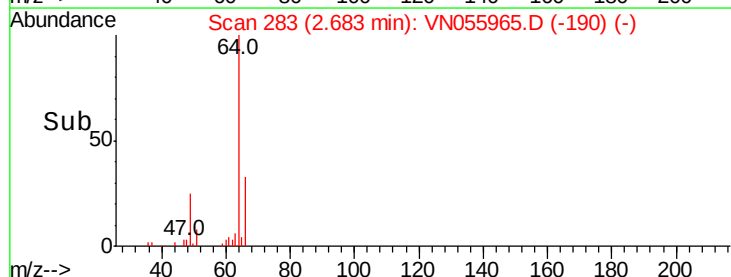
15000

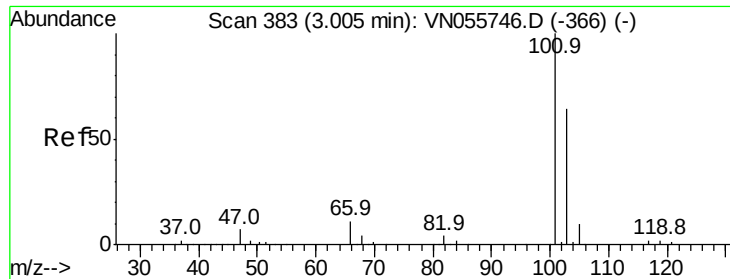
10000

5000

0

Time-->





#7

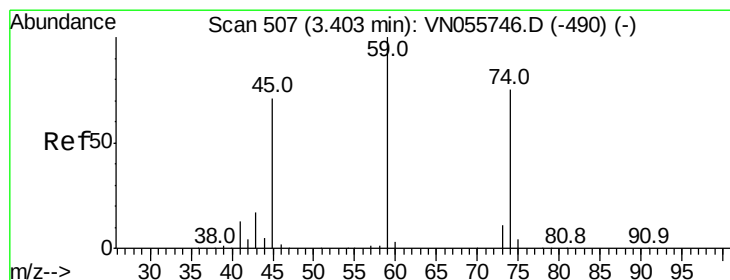
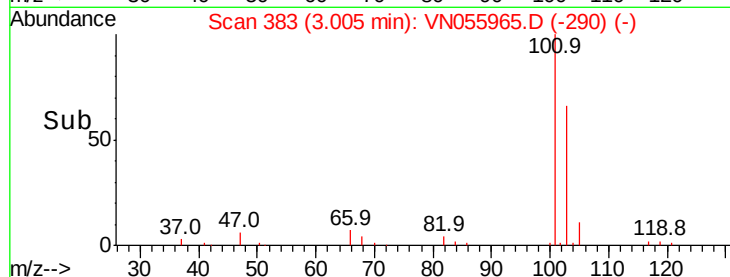
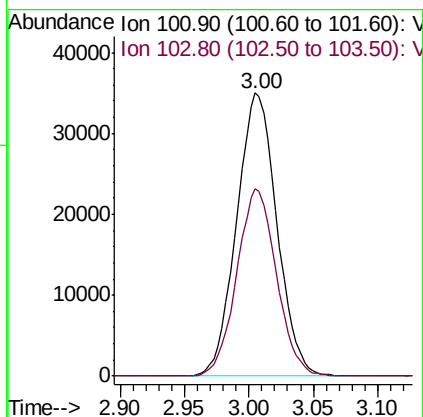
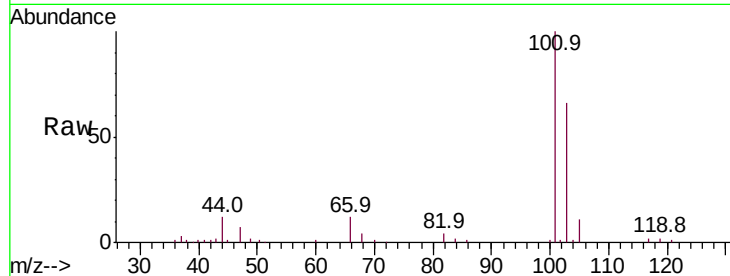
Trichlorofluoromethane
Concen: 19.162 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampled :
VN0603WBSD01

Tot Ion:101 Resp: 76087
Ion Ratio Lower Upper
101 100
103 66.4 51.2 76.8

Manual Integrations
APPROVED

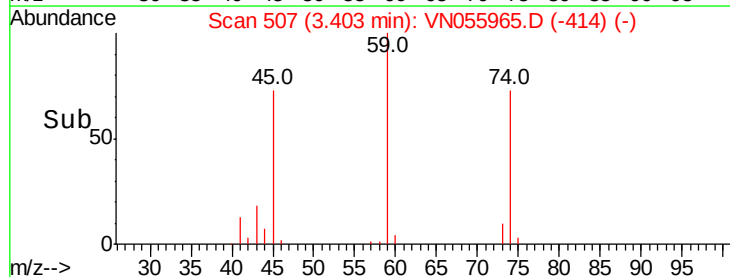
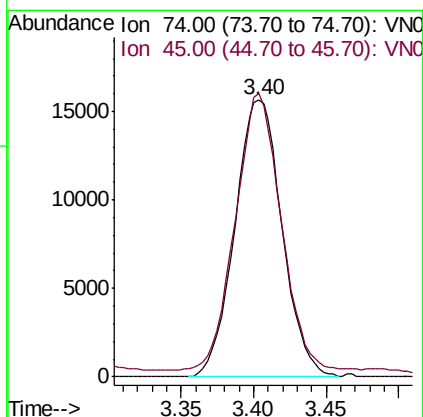
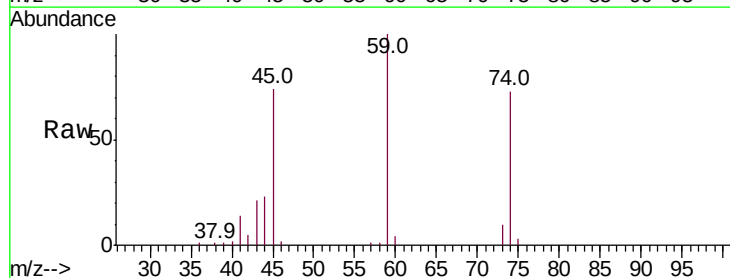
MMDadoda
6/4/2019 11:24:53 AM

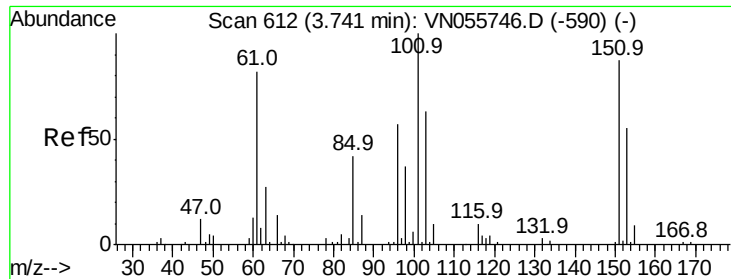


#8

Diethyl Ether
Concen: 19.836 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion: 74 Resp: 35302
Ion Ratio Lower Upper
74 100
45 95.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.619 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBSD01

Tot Ion:101 Resp: 48627

Ion Ratio Lower Upper

101 100

85 42.2 33.4 50.2

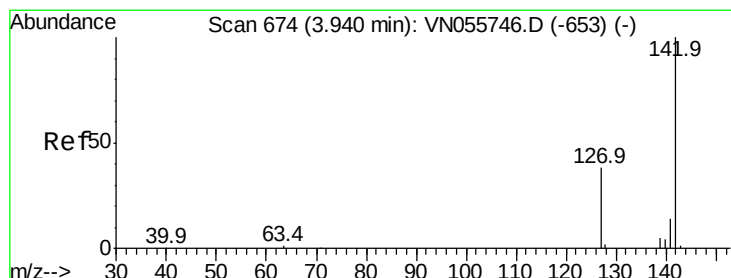
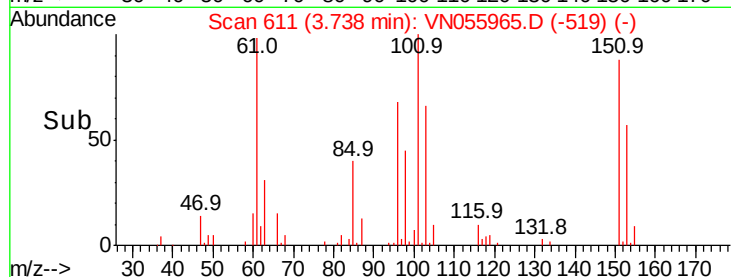
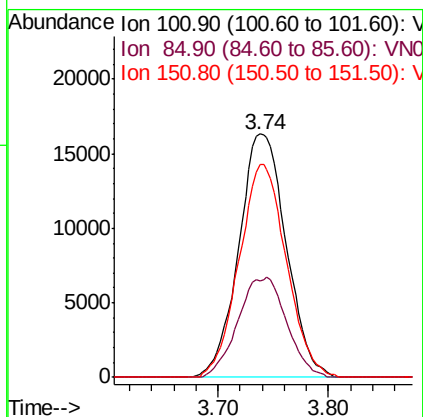
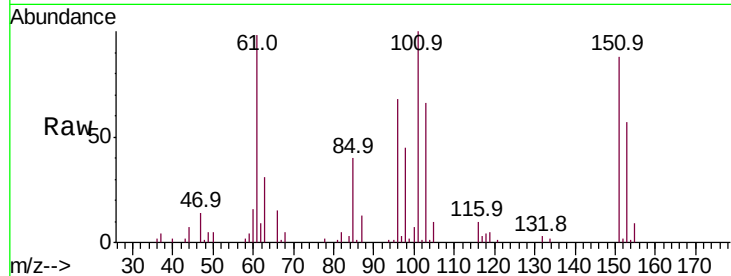
151 87.2 69.4 104.2

Manual Integrations

APPROVED

MMDadoda

6/4/2019 11:24:53 AM



#10

Methyl Iodide

Concen: 21.057 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

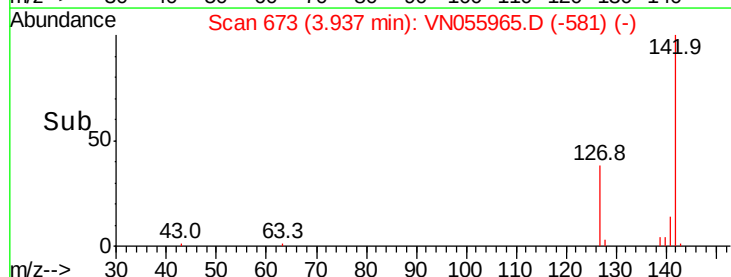
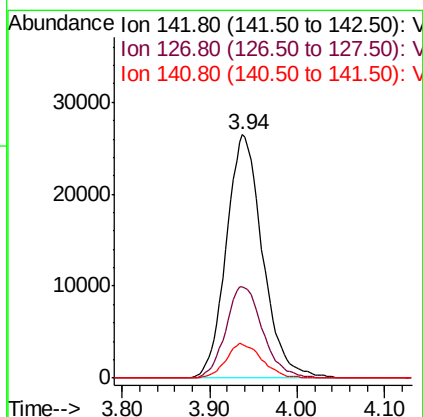
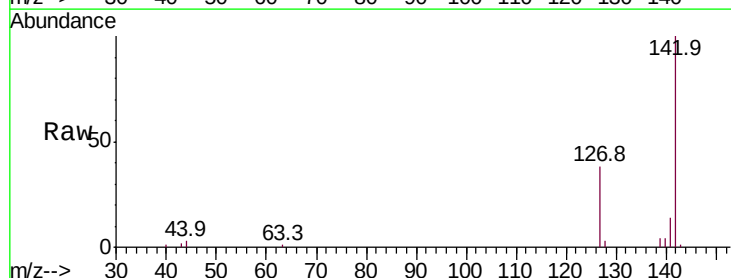
Tgt Ion:142 Resp: 76307

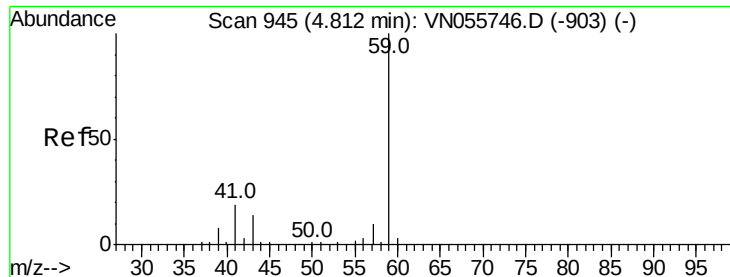
Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.4

141 13.9 11.4 17.0





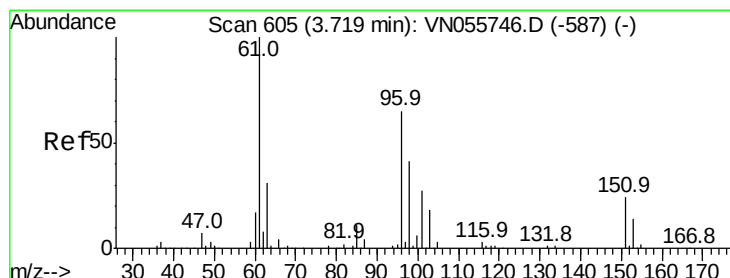
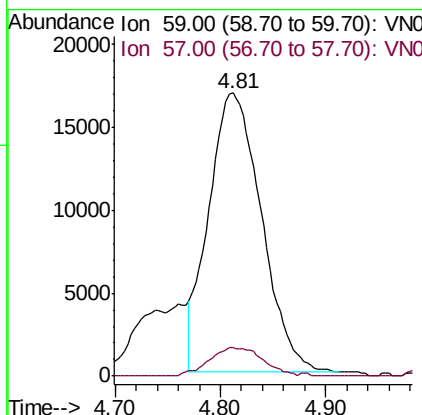
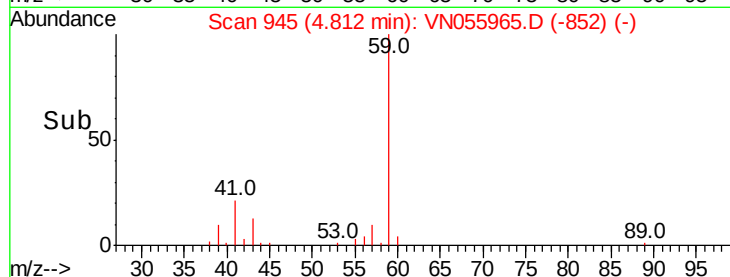
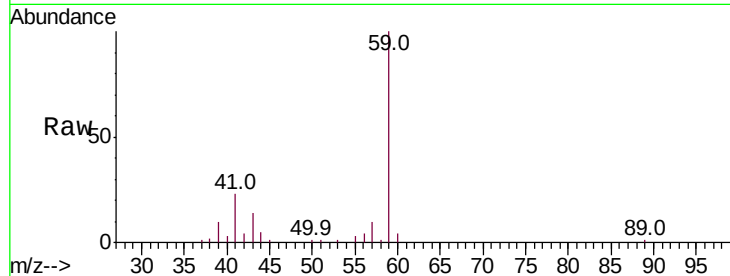
#11
Tert butyl alcohol
Concen: 98.196 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Tot Ion: 59 Resp: 58348
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.6

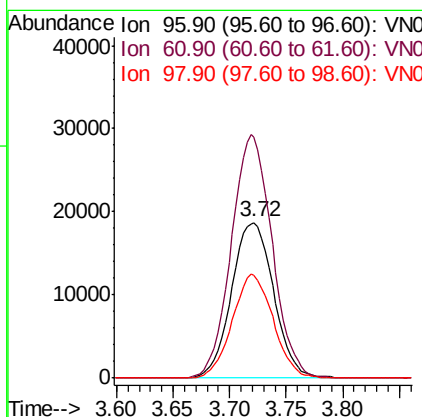
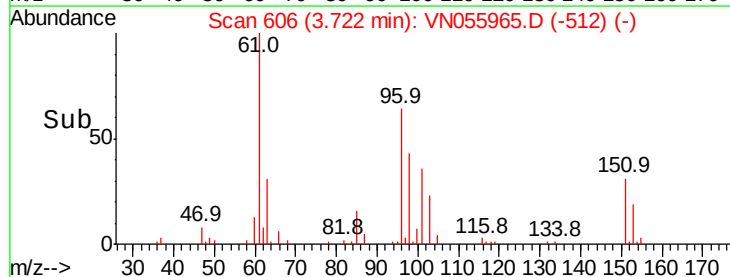
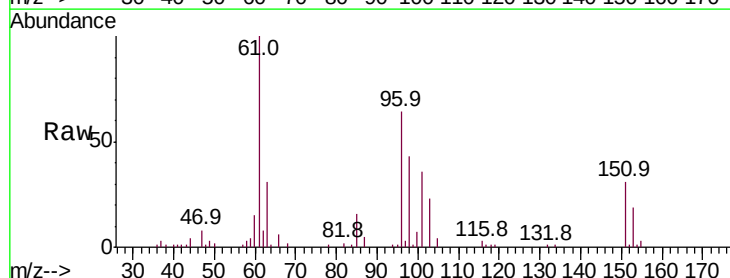
Manual Integrations
APPROVED

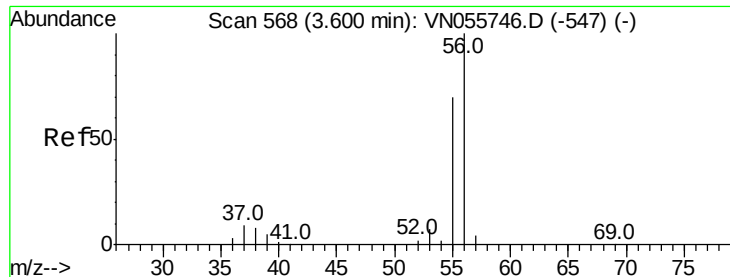
MMDadoda
6/4/2019 11:24:53 AM



#12
1,1-Dichloroethene
Concen: 18.944 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion: 96 Resp: 48516
Ion Ratio Lower Upper
96 100
61 155.1 123.2 184.8
98 66.3 50.4 75.6





#13

Acrolein

Concen: 69.643 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

ClientSampled :

VN0603WBSD01

Tot Ion: 56 Resp: 29631

Ion Ratio Lower Upper

56 100

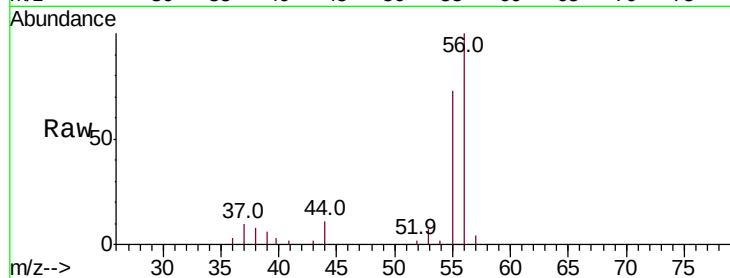
55 73.2 55.4 83.2

Manual Integrations

APPROVED

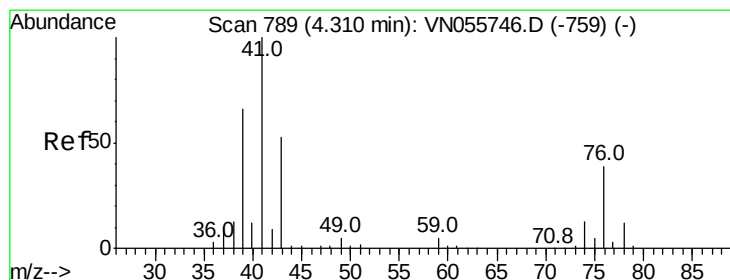
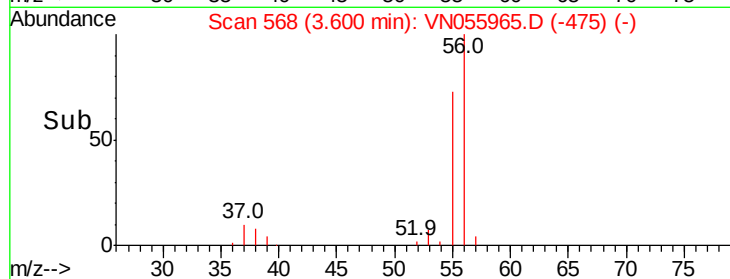
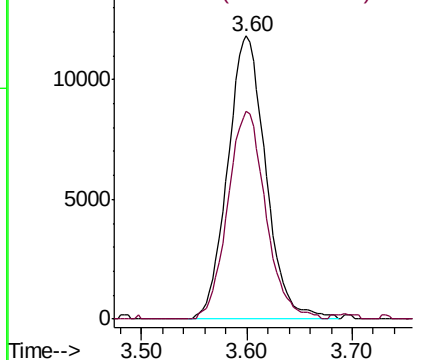
MMDadoda

6/4/2019 11:24:53 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 18.576 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

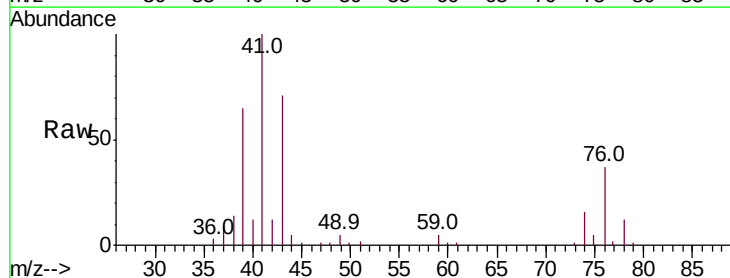
Tgt Ion: 41 Resp: 81555

Ion Ratio Lower Upper

41 100

39 62.2 50.0 75.0

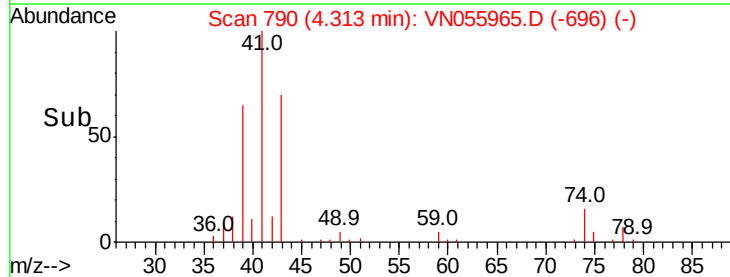
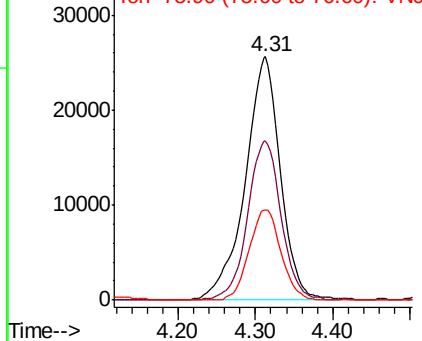
76 33.4 28.2 42.2

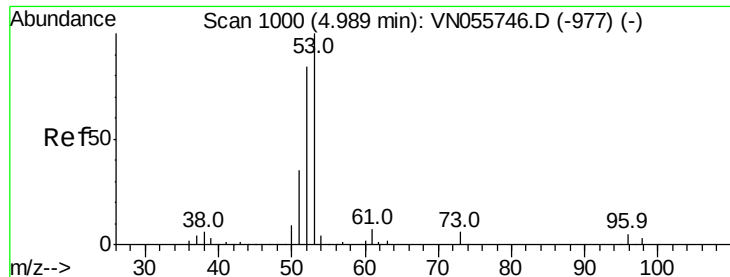


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 108.571 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

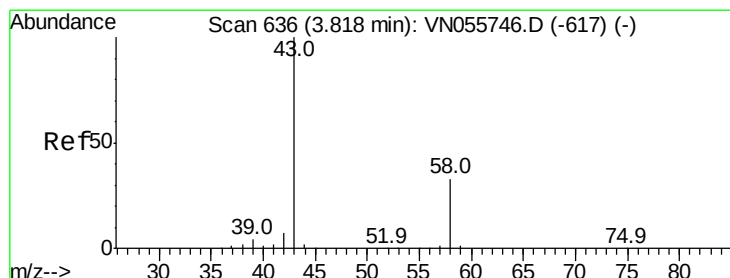
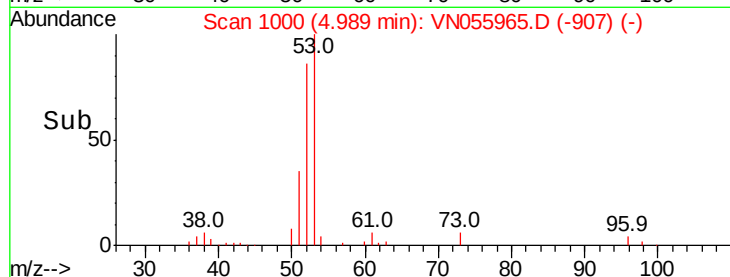
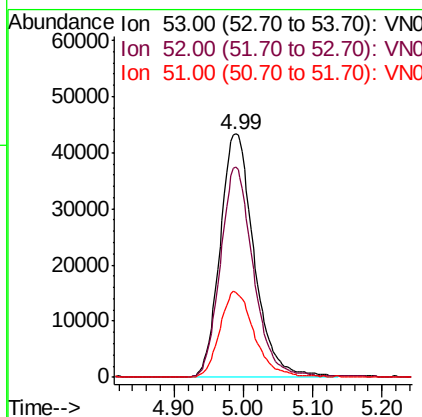
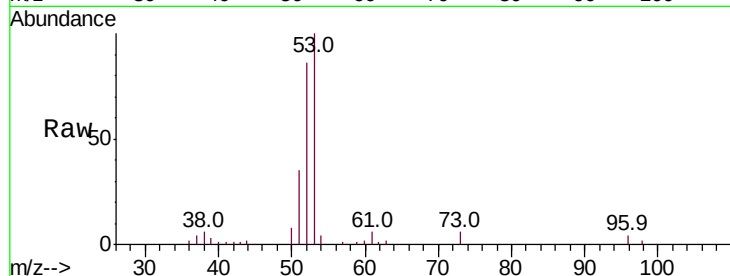
ClientSampleId :

VN0603WBSD01

Tot Ion:	53	Resp:	148138
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.8	98.8
51	36.0	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM



#16

Acetone

Concen: 99.827 ug/l

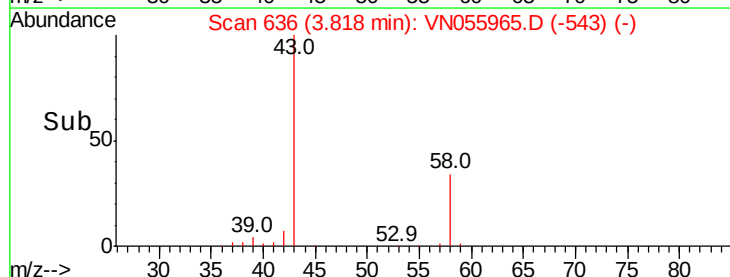
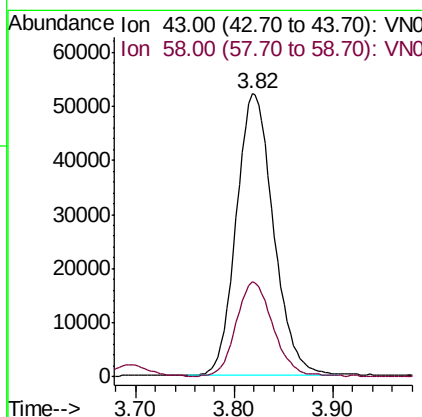
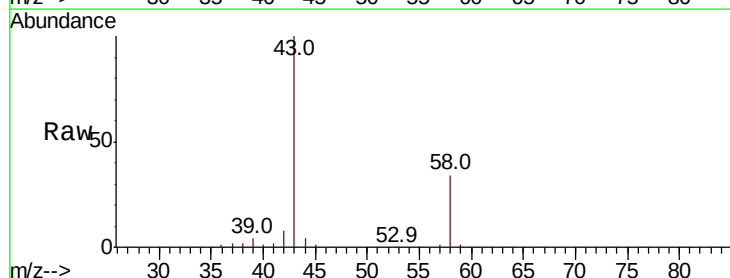
RT: 3.82 min Scan# 636

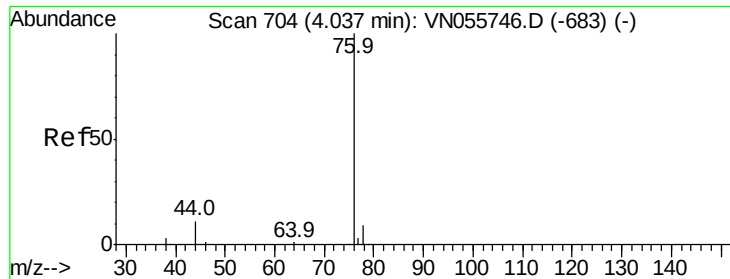
Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Tgt Ion:	43	Resp:	136468
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.6	39.8





#17

Carbon Disulfide

Concen: 13.339 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

ClientSampled :

VN0603WBSD01

Tot Ion: 76 Resp: 97061

Ion Ratio Lower Upper

76 100

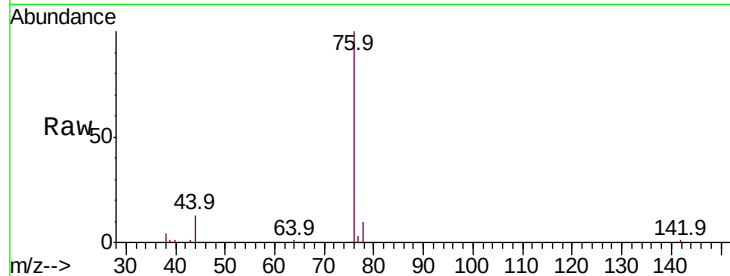
78 9.7 7.4 11.2

Manual Integrations

APPROVED

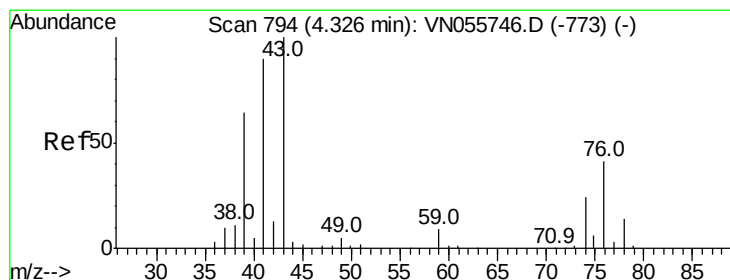
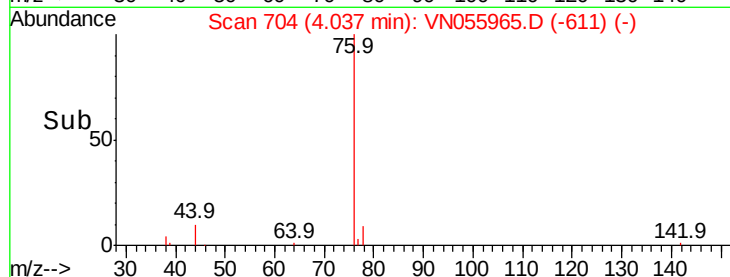
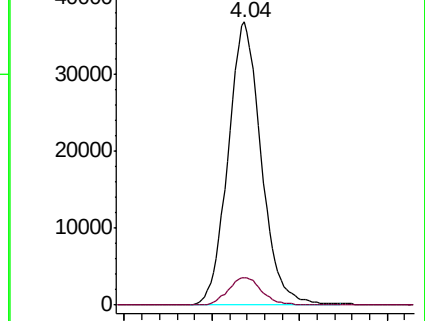
MMDadoda

6/4/2019 11:24:53 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.657 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055965.D

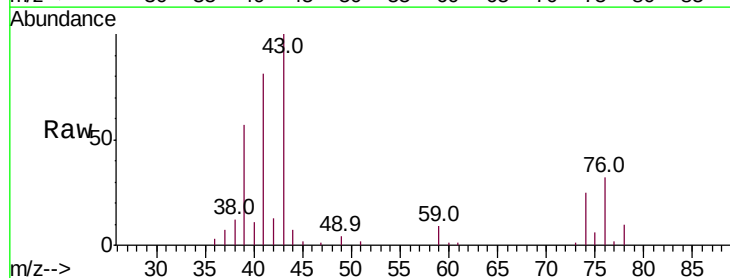
Acq: 3 Jun 2019 16:45

Tgt Ion: 43 Resp: 67596

Ion Ratio Lower Upper

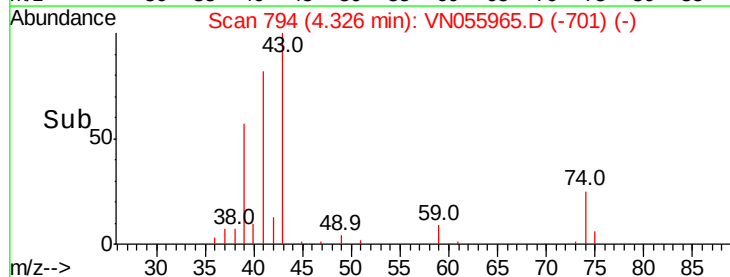
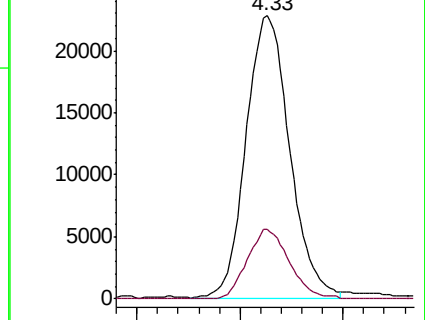
43 100

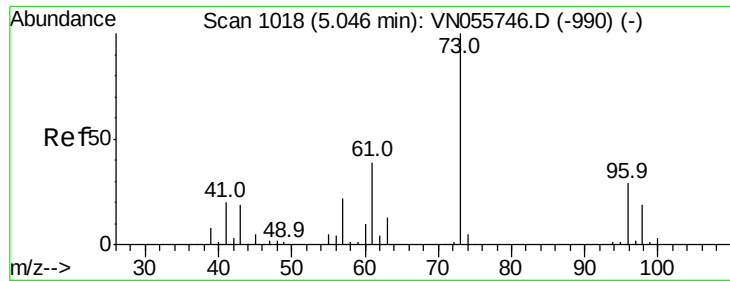
74 23.5 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





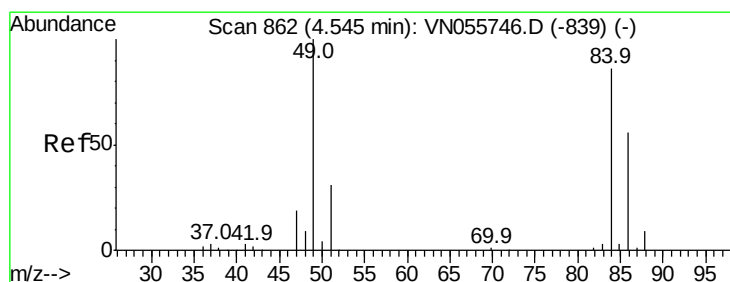
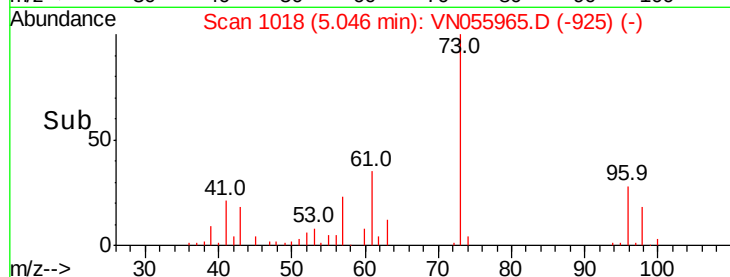
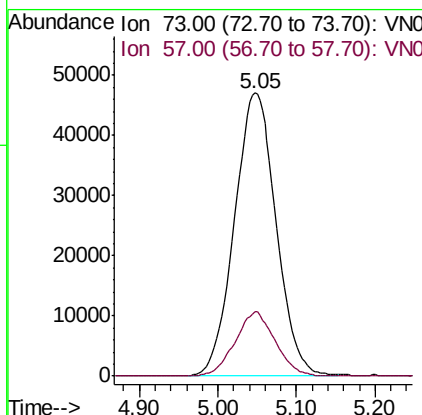
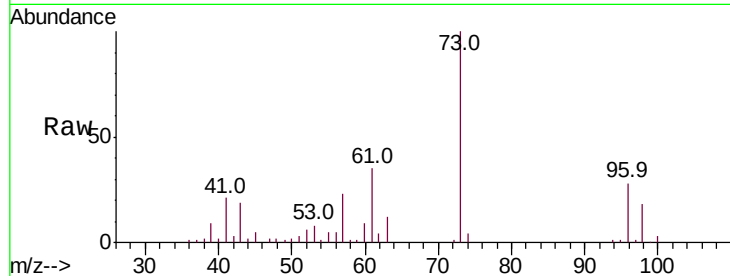
#19
Methyl tert-butyl Ether
Concen: 20.450 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampled :
VN0603WBSD01

Tot Ion: 73 Resp: 174677
Ion Ratio Lower Upper
73 100
57 22.8 17.8 26.8

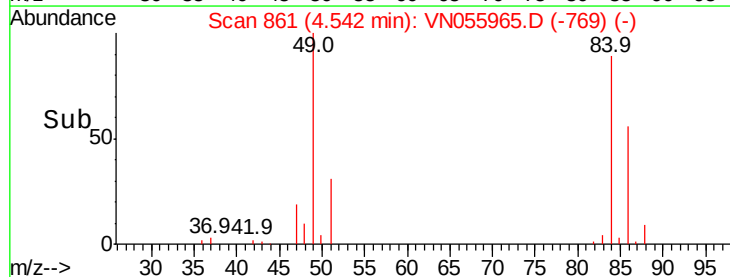
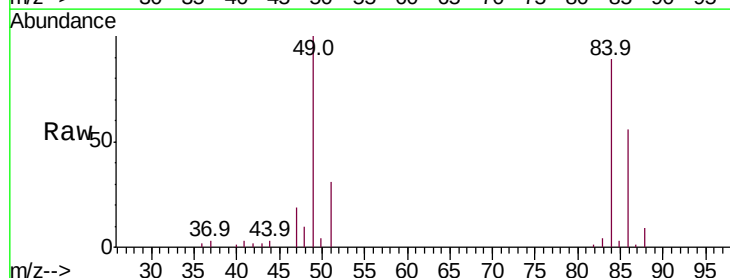
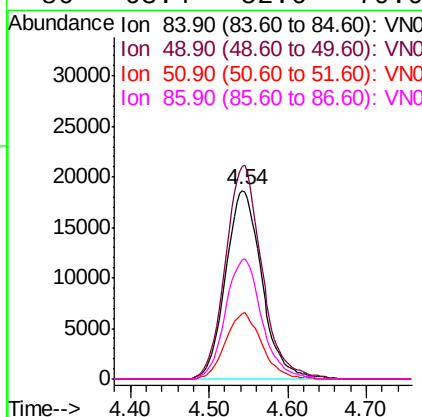
Manual Integrations
APPROVED

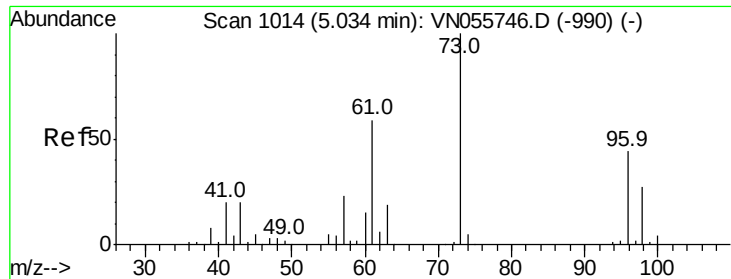
MMDadoda
6/4/2019 11:24:53 AM



#20
Methylene Chloride
Concen: 20.177 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion: 84 Resp: 59734
Ion Ratio Lower Upper
84 100
49 113.0 93.5 140.3
51 34.9 28.6 43.0
86 63.4 52.6 79.0





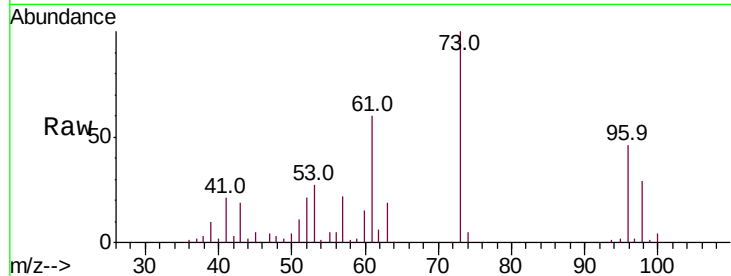
#21
trans-1,2-Dichloroethene
Concen: 19.283 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.2	107.8	161.8
98	62.3	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM

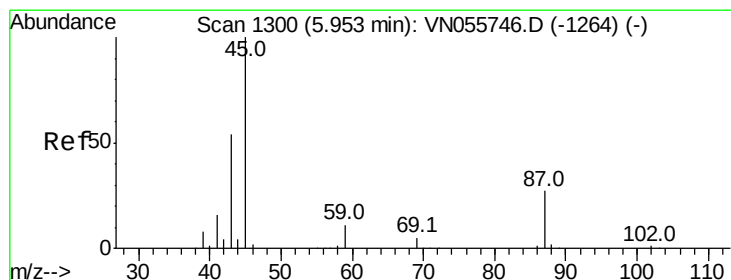
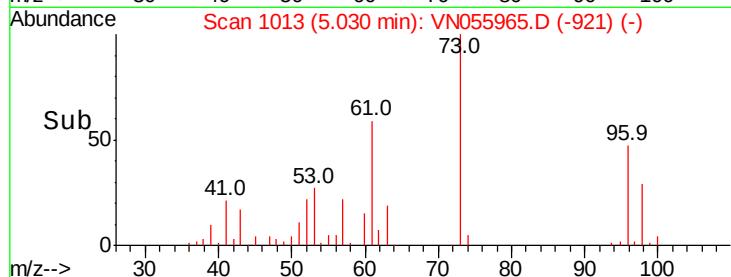
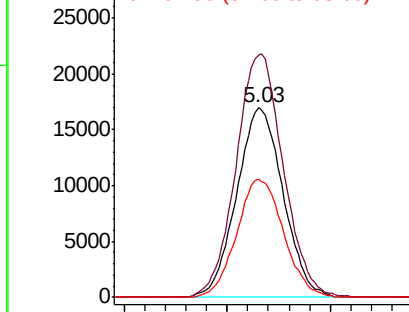


Abundance

Ion 95.90 (95.60 to 96.60): VN055746.D (-990) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-990) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-990) (-)



#22
Diisopropyl ether
Concen: 20.418 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.9	45.0	67.6
87	29.2	22.2	33.4
59	11.2	9.1	13.7

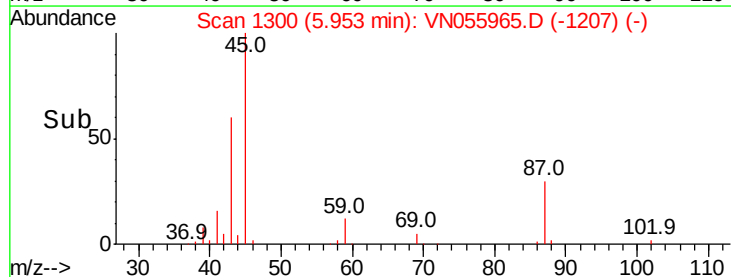
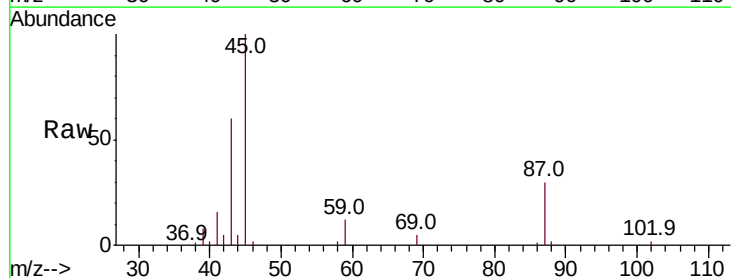
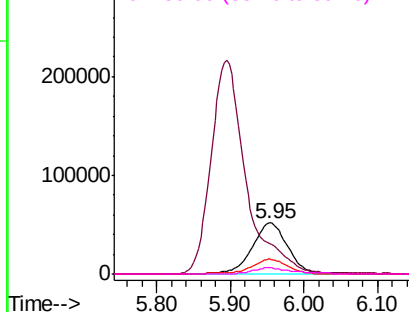
Abundance

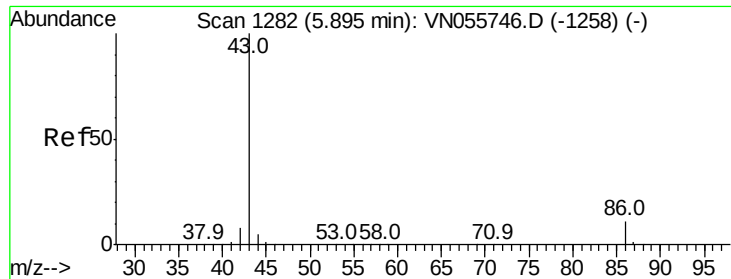
Ion 45.00 (44.70 to 45.70): VN055746.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN055746.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN055746.D (-1264) (-)





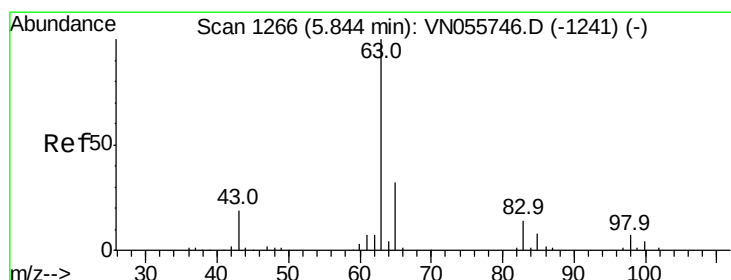
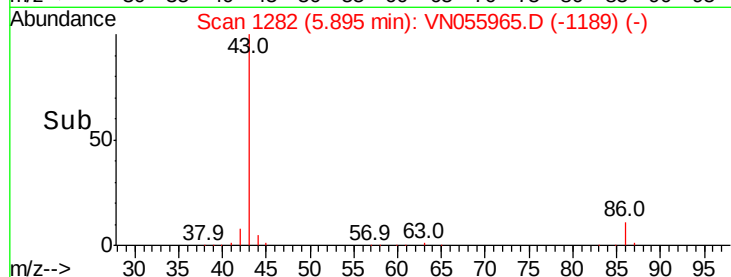
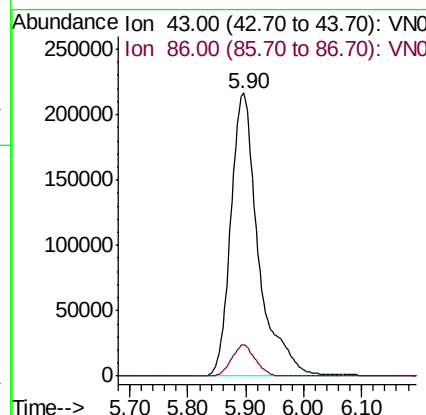
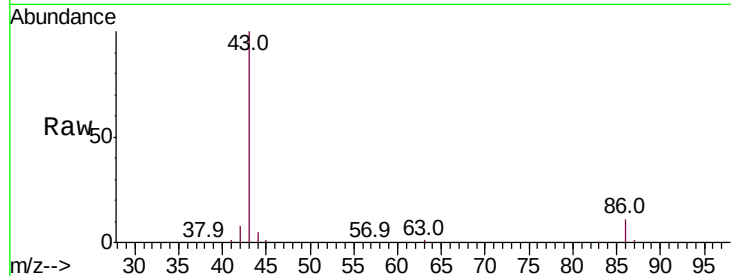
#23
 Vinyl Acetate
 Concen: 98.070 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	13.0

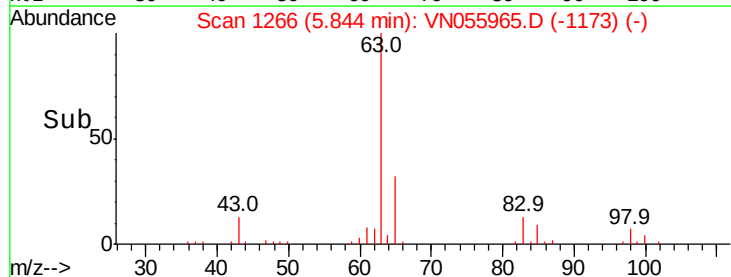
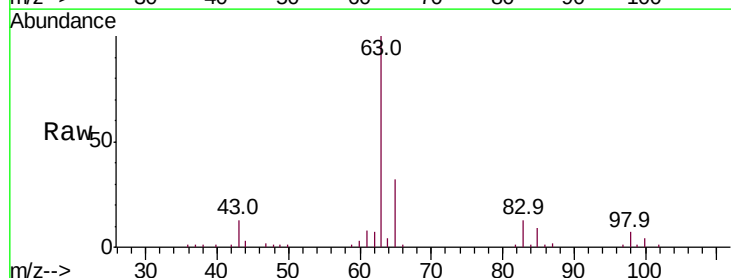
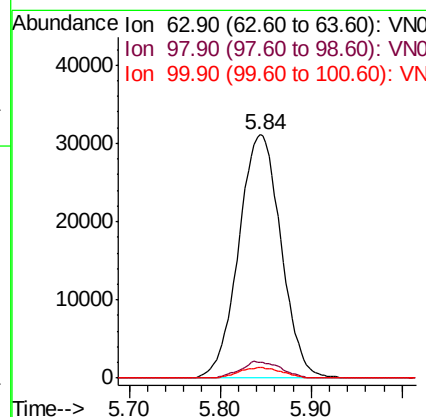
Manual Integrations
 APPROVED

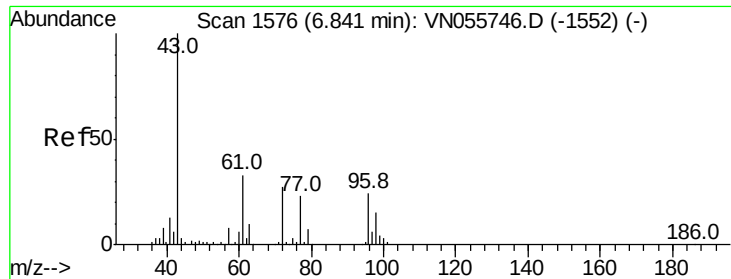
MMDadoda
 6/4/2019 11:24:53 AM



#24
 1,1-Dichloroethane
 Concen: 20.142 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.3	2.2	6.6





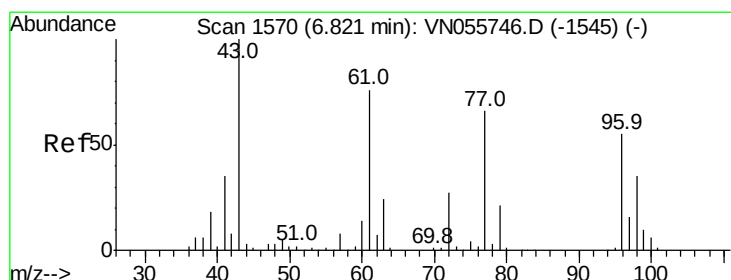
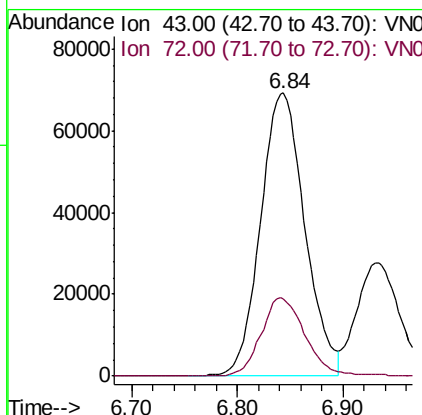
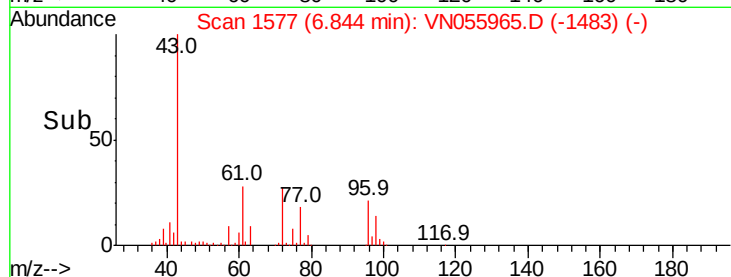
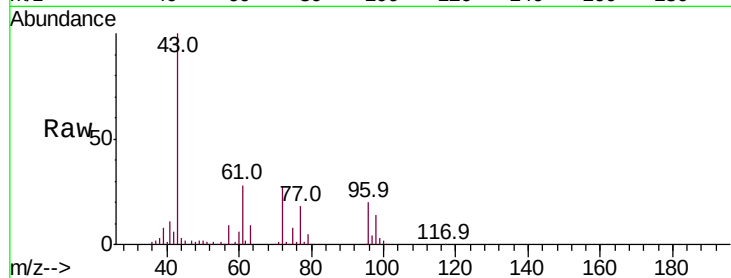
#25
2-Butanone
Concen: 105.834 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampled :
VN0603WBSD01

Tot Ion: 43 Resp: 202057
Ion Ratio Lower Upper
43 100
72 27.3 21.9 32.9

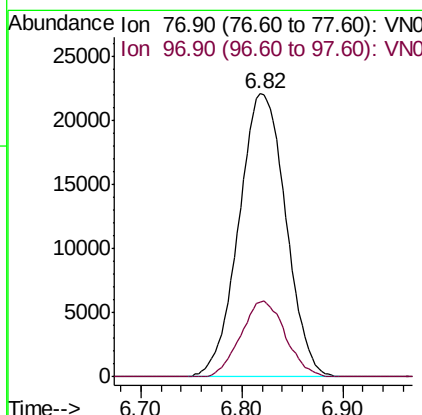
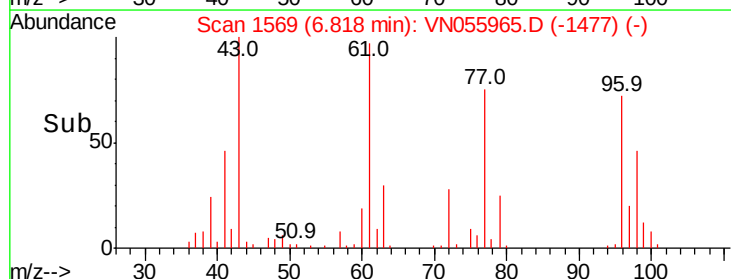
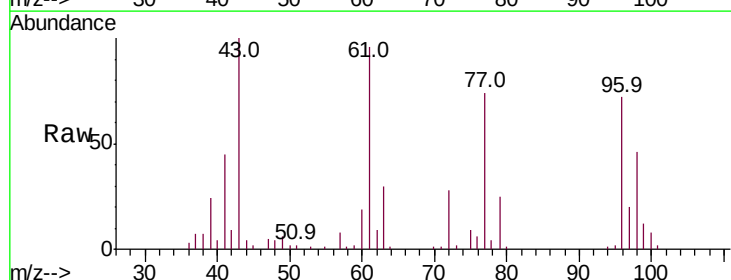
Manual Integrations
APPROVED

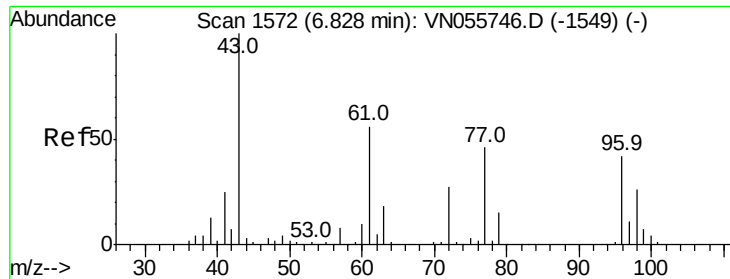
MMDadoda
6/4/2019 11:24:53 AM



#26
2,2-Dichloropropane
Concen: 16.584 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion: 77 Resp: 71358
Ion Ratio Lower Upper
77 100
97 25.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.245 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

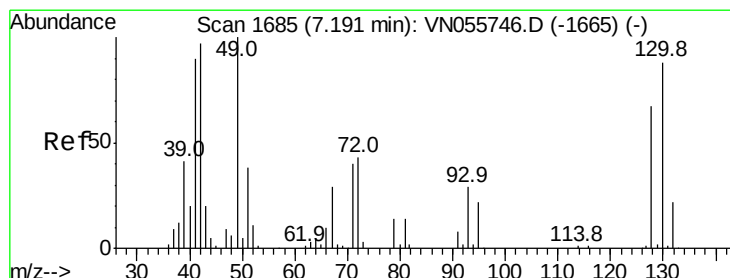
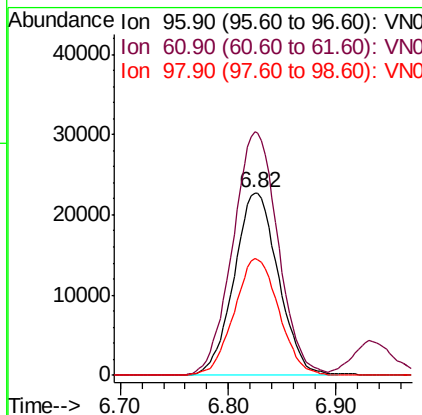
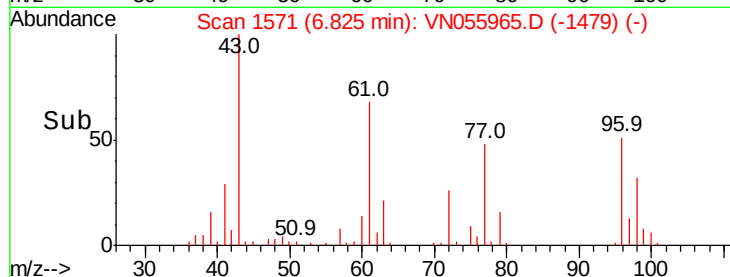
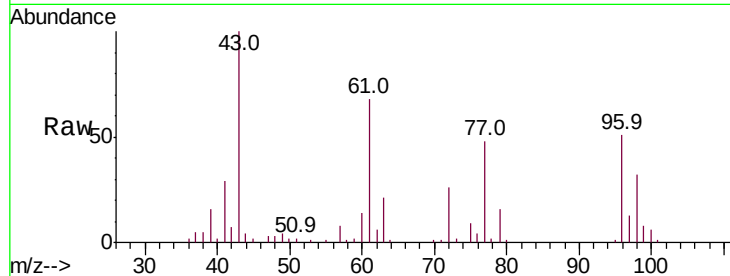
ClientSampleId :

VN0603WBSD01

Tot Ion:	96	Resp:	64987
Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	275.8
98	64.4	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM



#28

Bromochloromethane

Concen: 20.765 ug/l

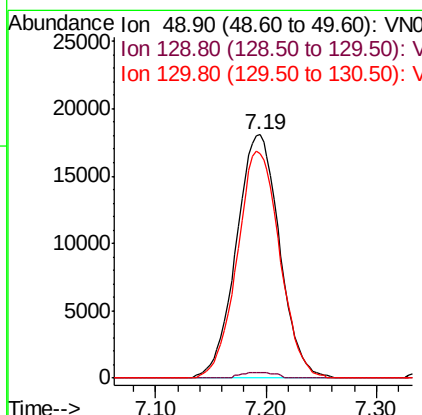
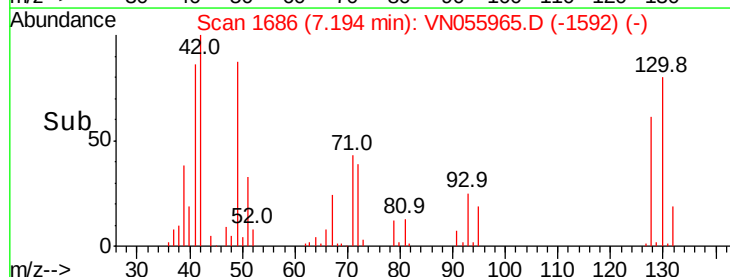
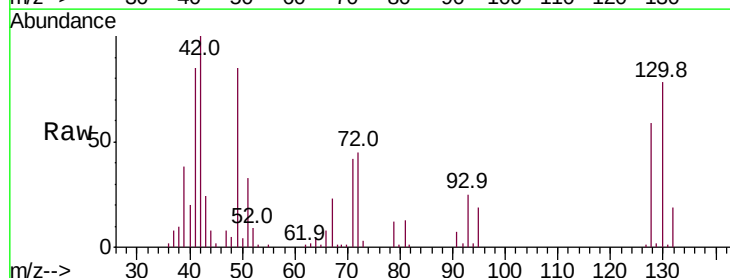
RT: 7.19 min Scan# 1686

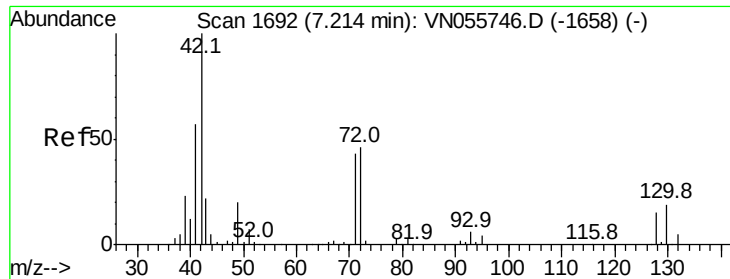
Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Tgt Ion:	49	Resp:	49155
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	91.7	71.2	106.8





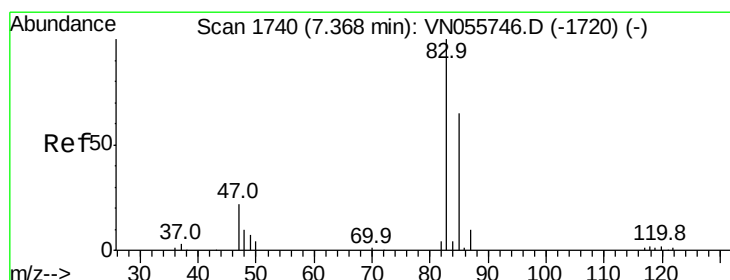
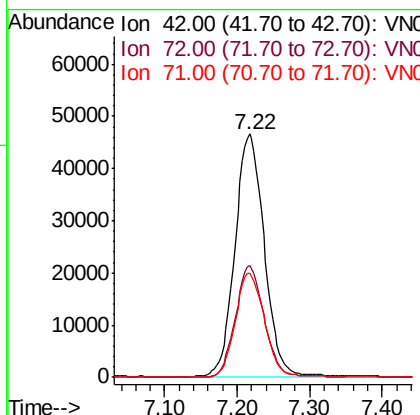
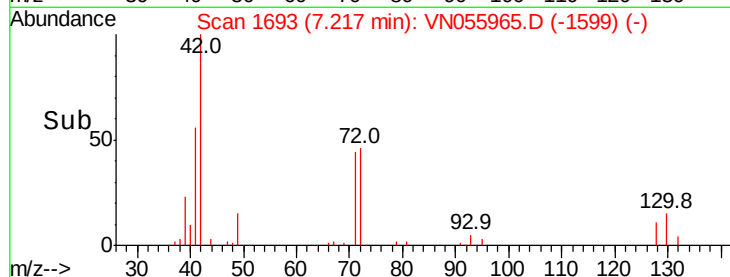
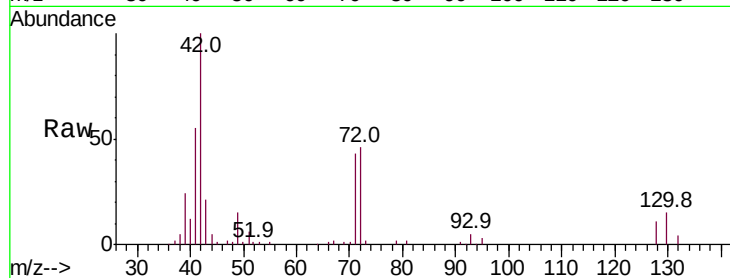
#29
Tetrahydrofuran
Concen: 109.445 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.9	53.9
71	42.1	34.0	51.0

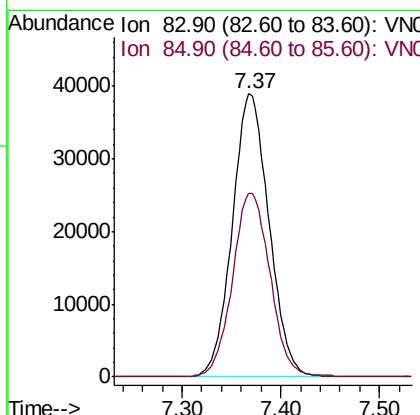
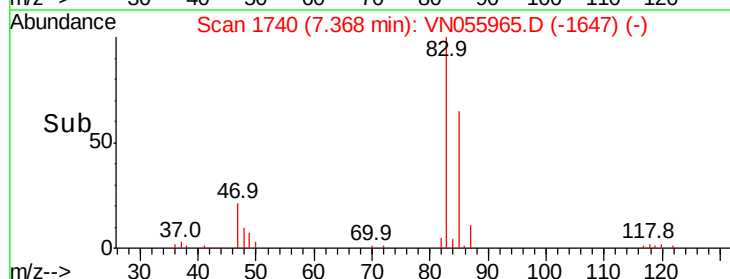
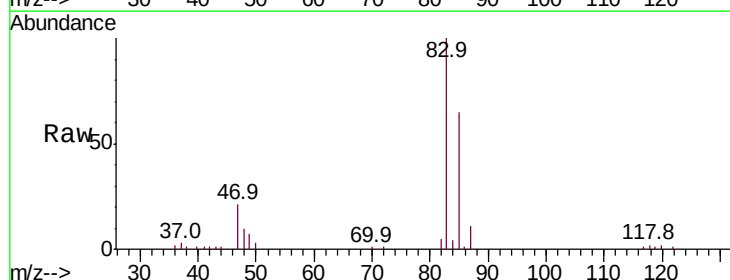
Manual Integrations
APPROVED

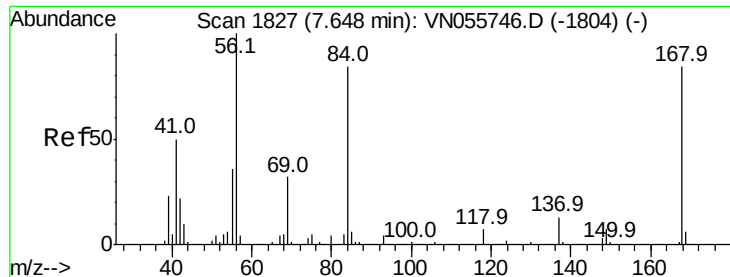
MMDadoda
6/4/2019 11:24:53 AM



#30
Chloroform
Concen: 20.293 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8





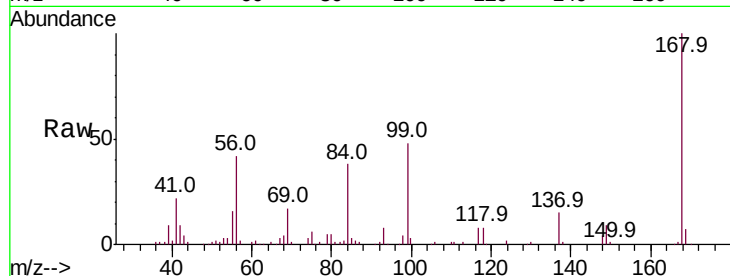
#31
Cyclohexane
Concen: 18.746 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

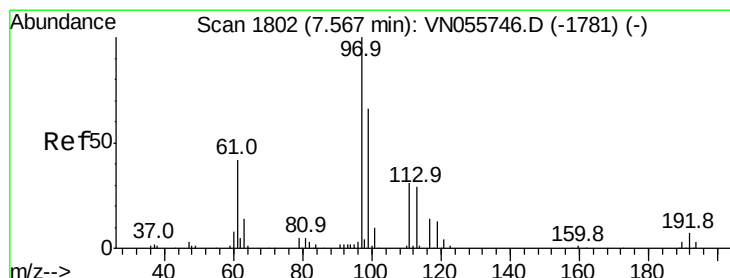
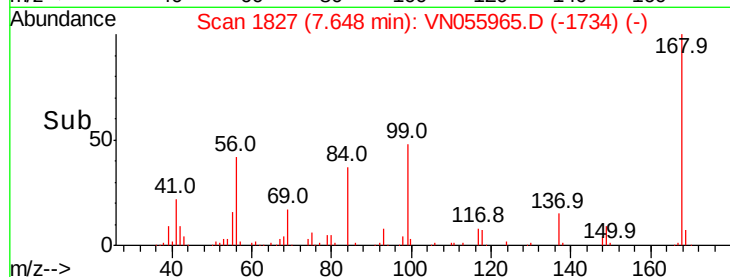
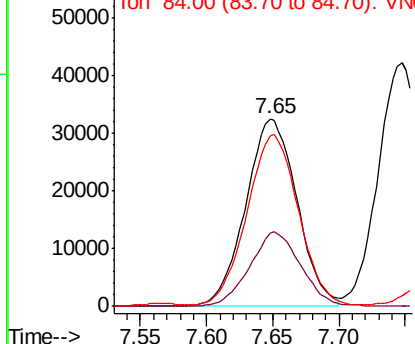
Tot Ion: 56 Resp: 87504
Ion Ratio Lower Upper
56 100
69 39.3 25.6 38.4#
84 89.6 67.4 101.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM

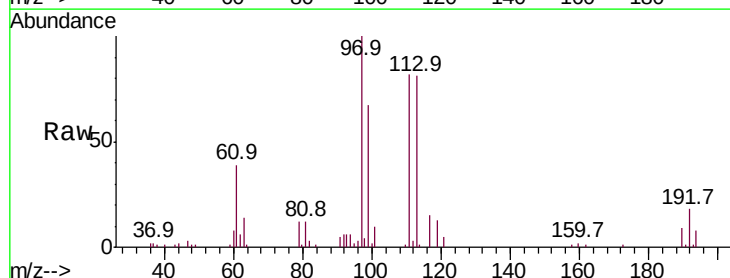


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

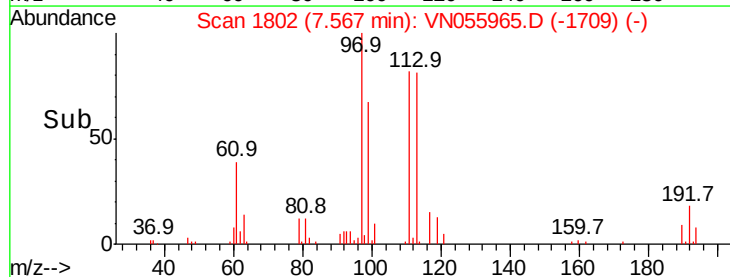
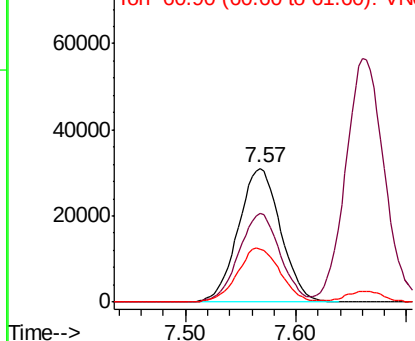


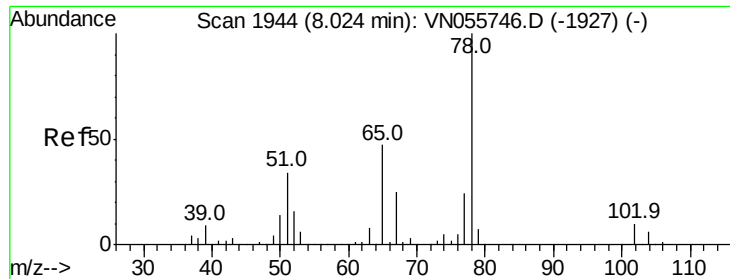
#32
1,1,1-Trichloroethane
Concen: 18.662 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion: 97 Resp: 82573
Ion Ratio Lower Upper
97 100
99 64.9 52.0 78.0
61 40.8 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





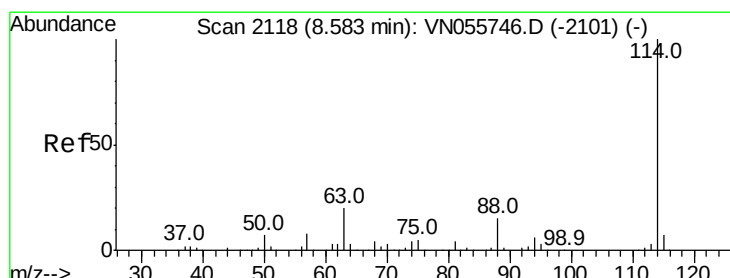
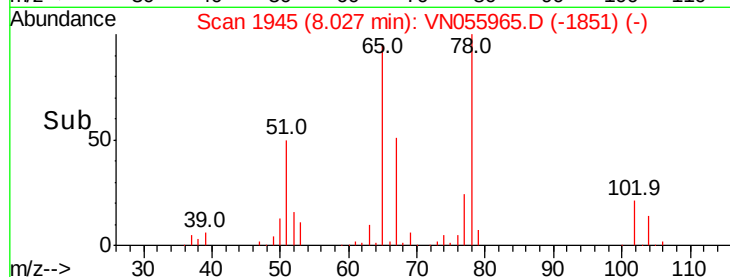
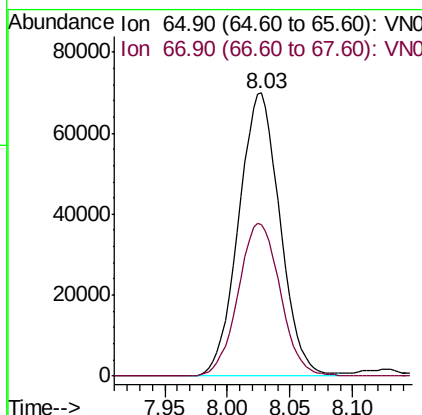
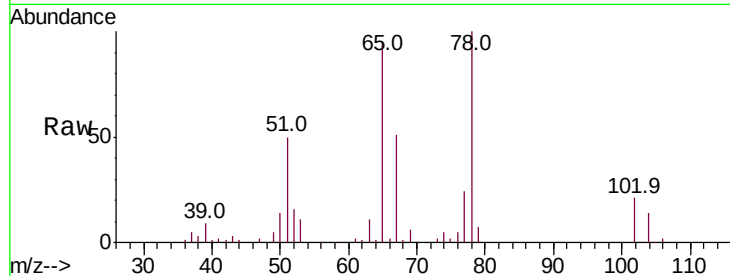
#33
 1,2-Dichloroethane-d4
 Concen: 51.654 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBSD01

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

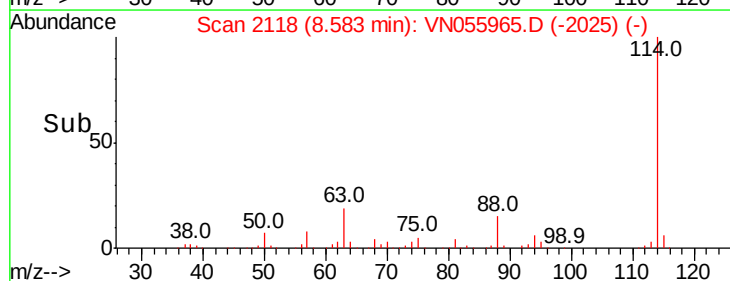
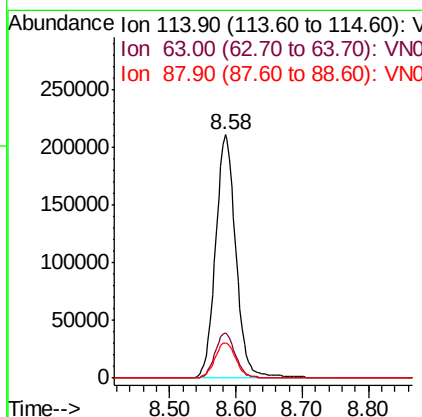
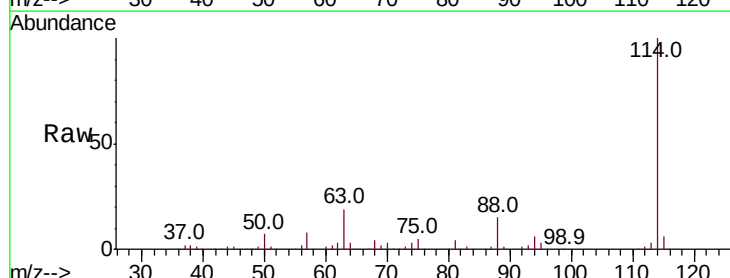
Manual Integrations
 APPROVED

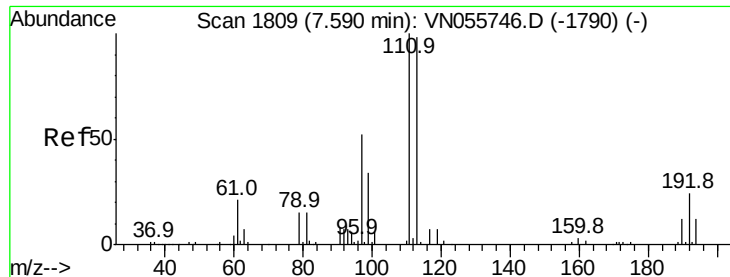
MMDadoda
 6/4/2019 11:24:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	39.2	
88	14.6	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.686 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

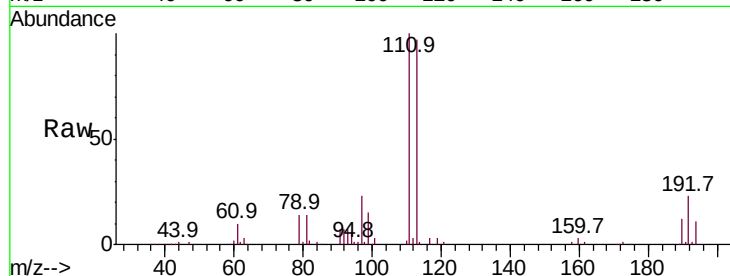
ClientSampleId :

VN0603WBSD01

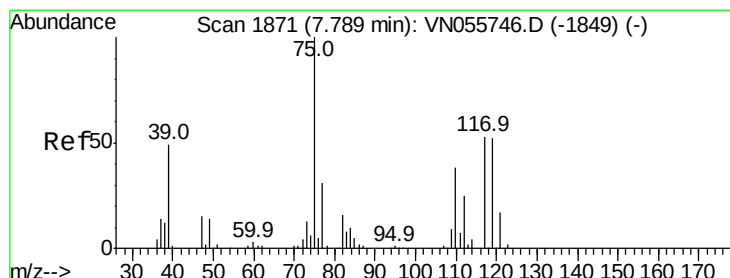
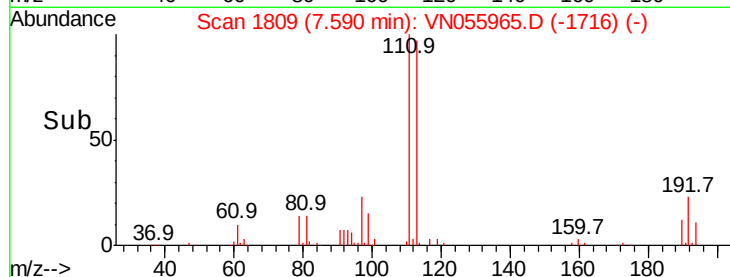
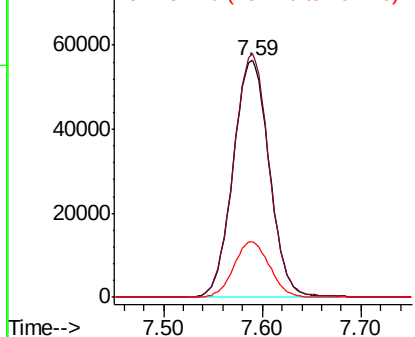
Tot Ion:	113	Resp:	143986
Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.9	122.9
192	23.1	19.5	29.3

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.061 ug/l

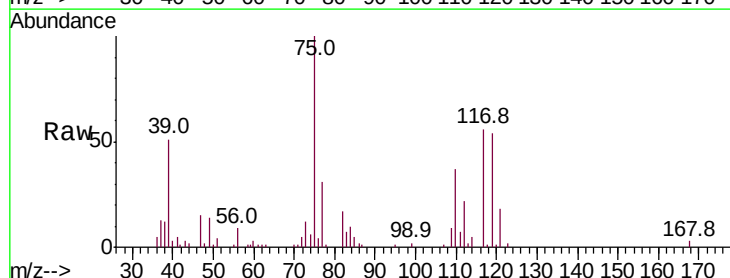
RT: 7.79 min Scan# 1870

Delta R.T. -0.00 min

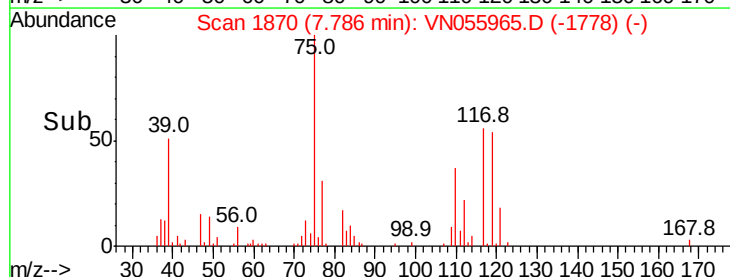
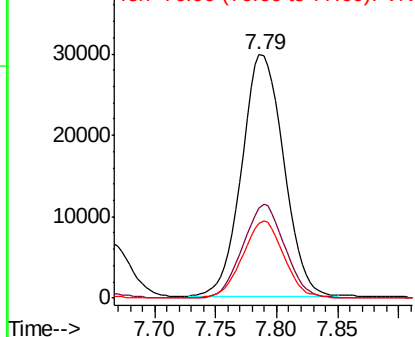
Lab File: VN055965.D

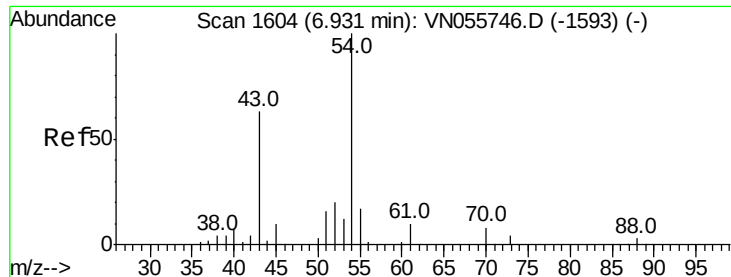
Acq: 3 Jun 2019 16:45

Tgt Ion:	75	Resp:	70719
Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.0	57.0
77	31.5	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





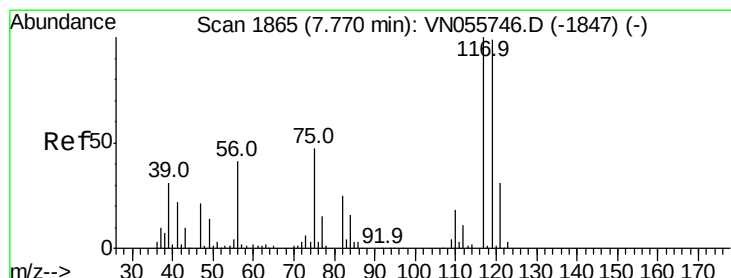
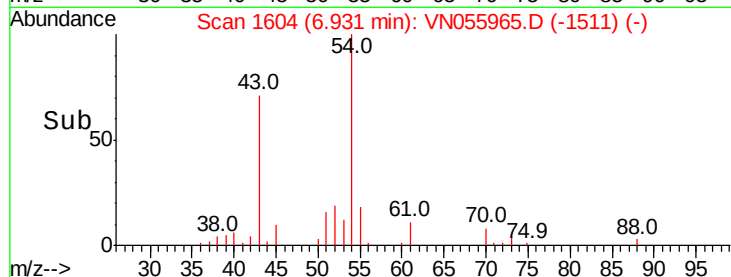
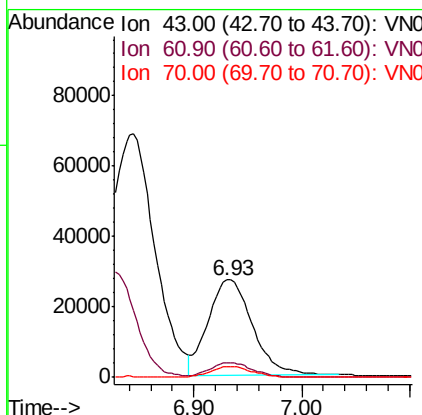
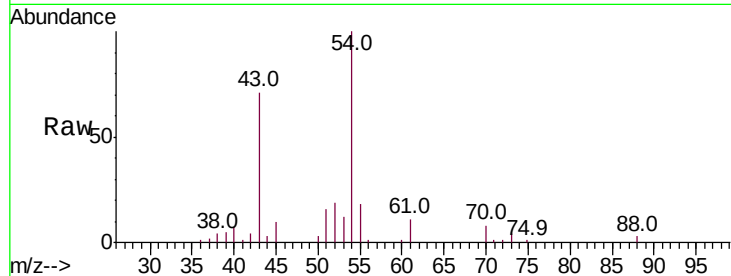
#37
Ethyl Acetate
Concen: 20.776 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.2	18.2
70	10.8	8.9	13.3

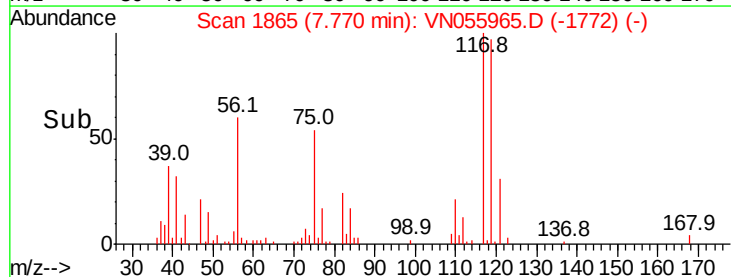
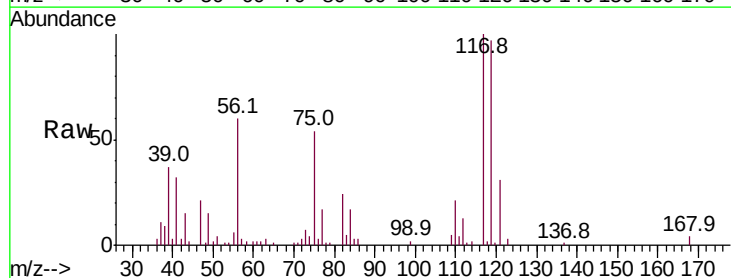
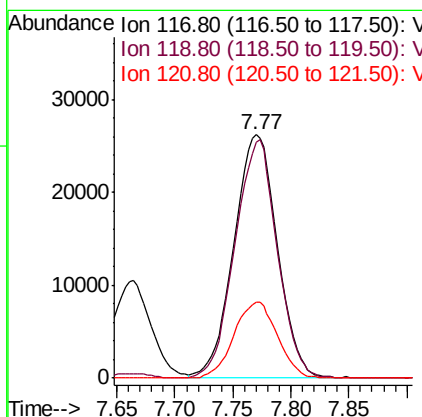
Manual Integrations
APPROVED

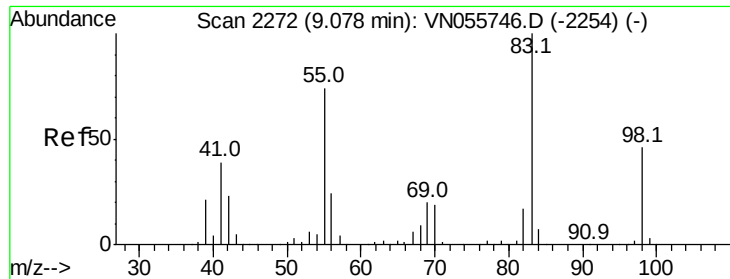
MMDadoda
6/4/2019 11:24:53 AM



#38
Carbon Tetrachloride
Concen: 16.762 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.0	118.6
121	31.4	24.7	37.1





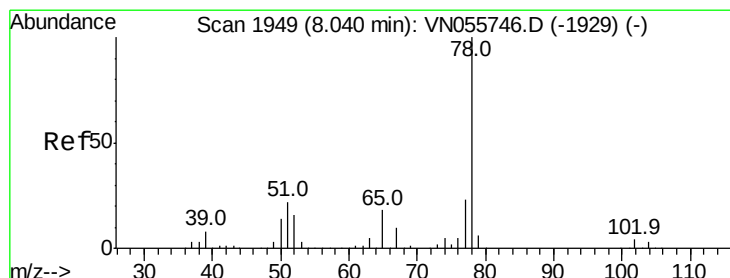
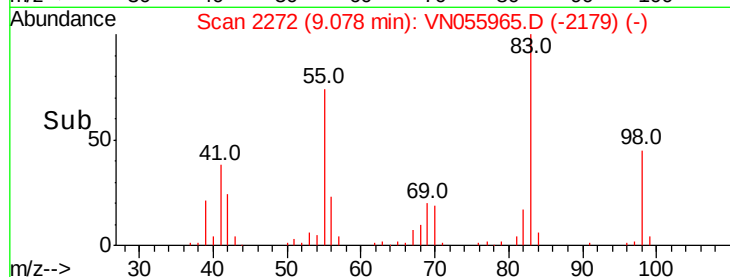
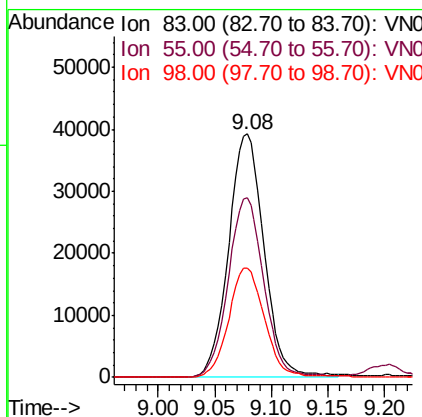
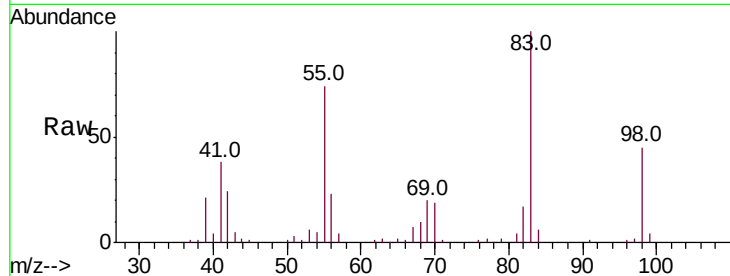
#39
Methylvlcyclohexane
Concen: 17.665 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampled :
VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	59.3	88.9
98	45.1	36.6	54.8

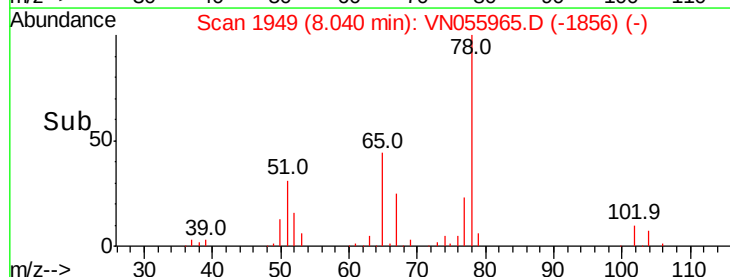
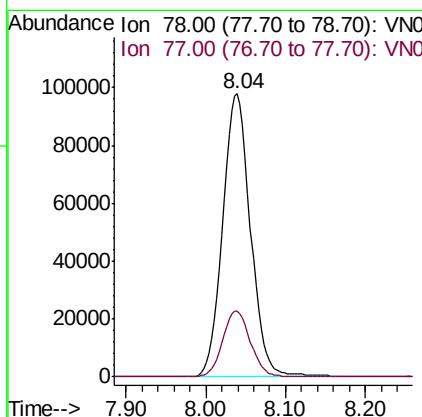
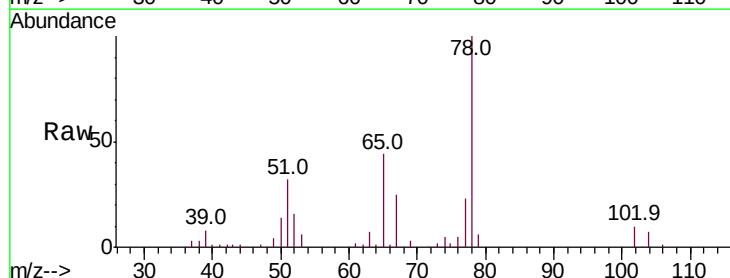
Manual Integrations
APPROVED

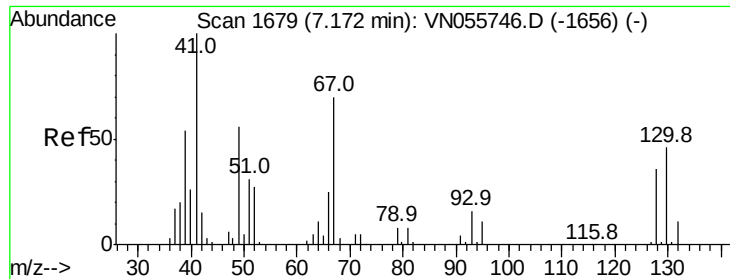
MMDadoda
6/4/2019 11:24:53 AM



#40
Benzene
Concen: 19.771 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





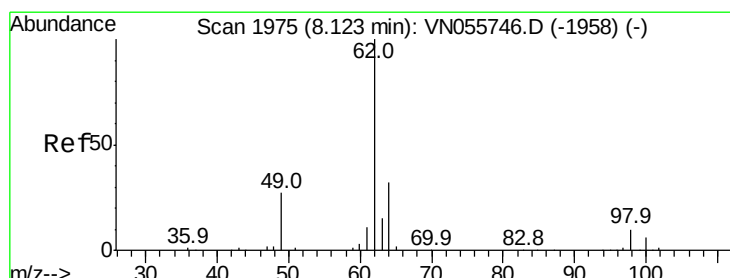
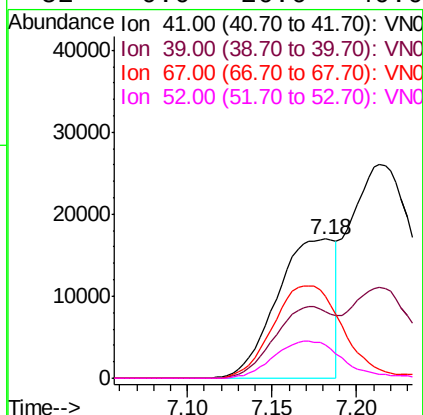
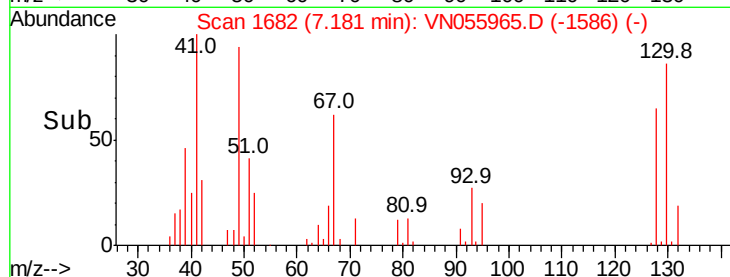
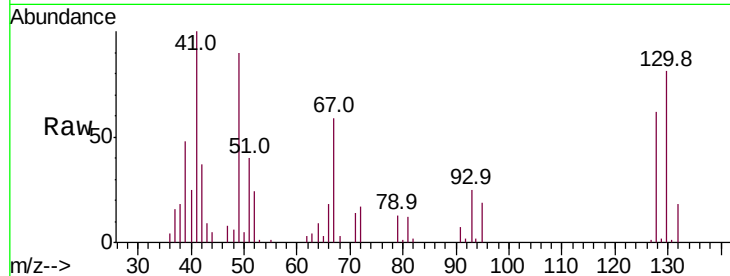
#41
Methacrylonitrile
Concen: 21.394 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.6	68.4#
67	0.0	67.7	101.5#
52	0.0	26.6	40.0#

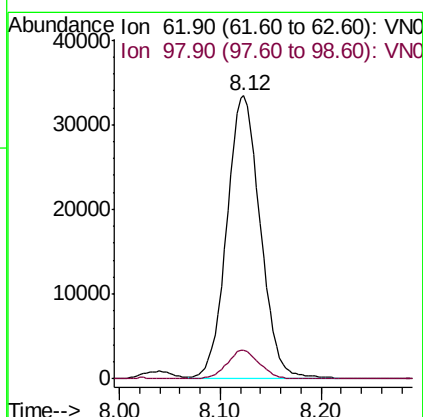
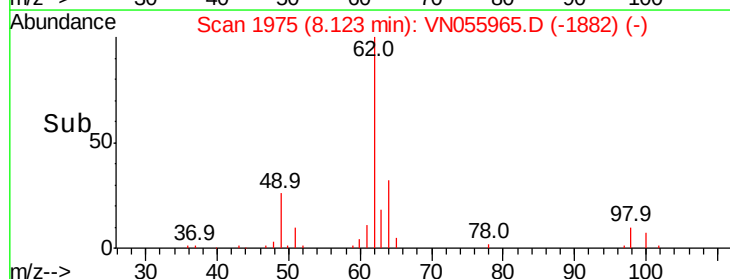
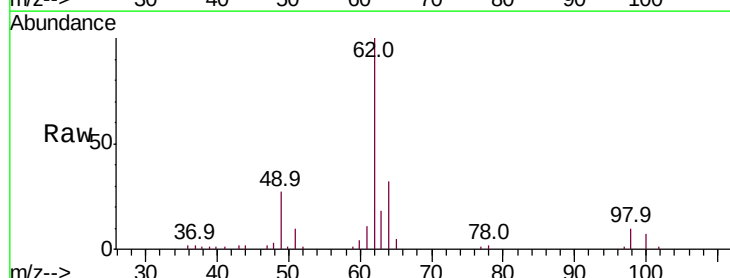
Manual Integrations
APPROVED

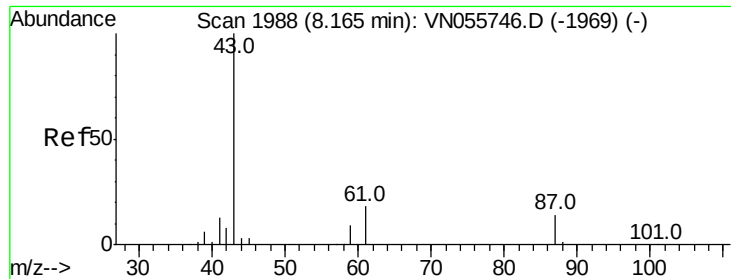
MMDadoda
6/4/2019 11:24:53 AM



#42
1,2-Dichloroethane
Concen: 20.068 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.382 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

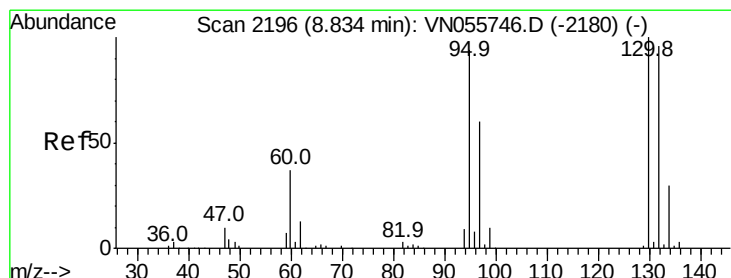
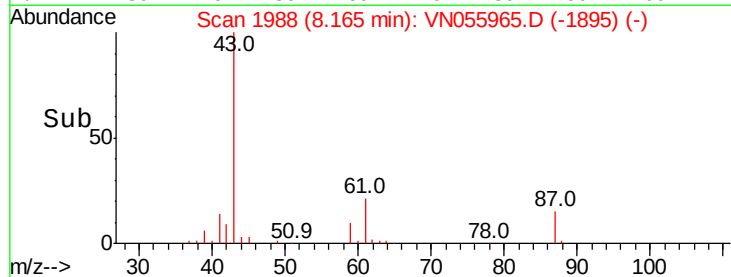
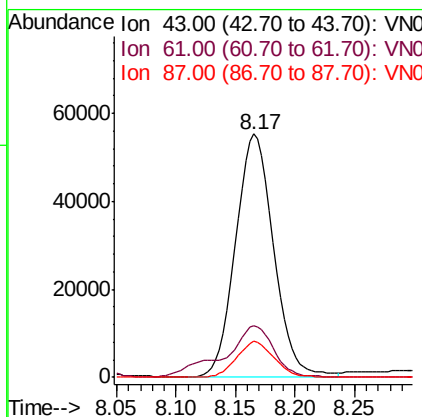
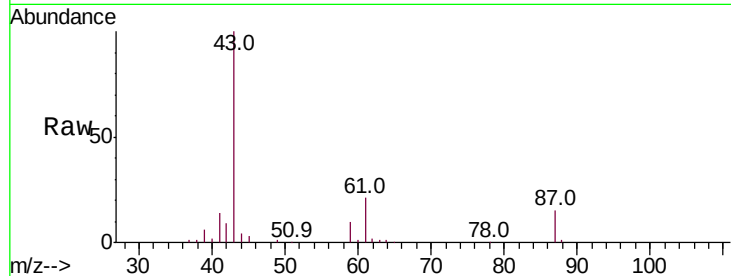
ClientSampleId :

VN0603WBSD01

Tot Ion:	43	Resp:	123243
Ion Ratio	Lower	Upper	
43	100		
61	20.8	22.2	33.4#
87	14.4	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM



#44

Trichloroethene

Concen: 19.461 ug/l

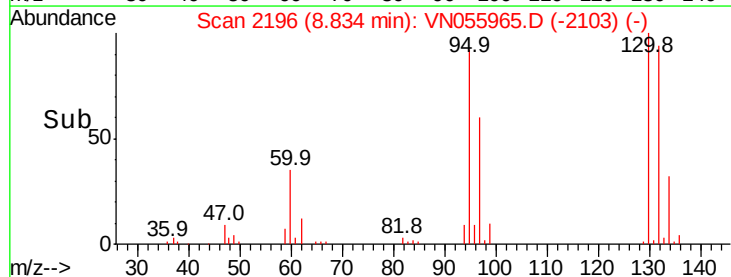
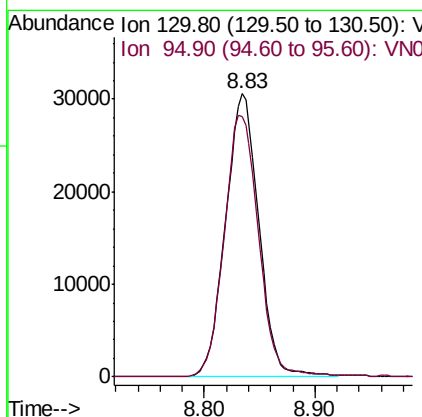
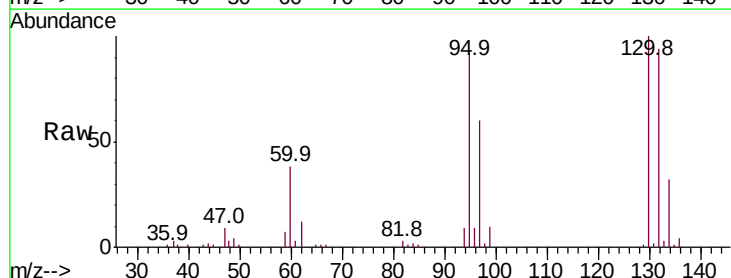
RT: 8.83 min Scan# 2196

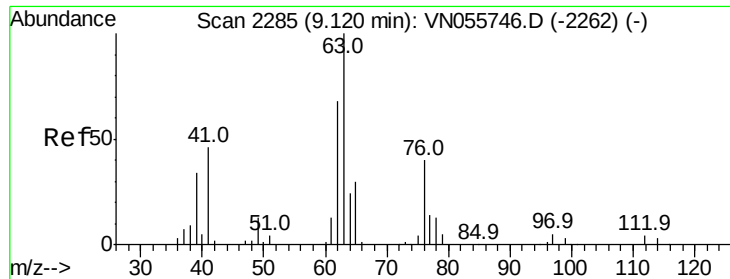
Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Tgt Ion:	130	Resp:	64026
Ion Ratio	Lower	Upper	
130	100		
95	91.8	0.0	188.0





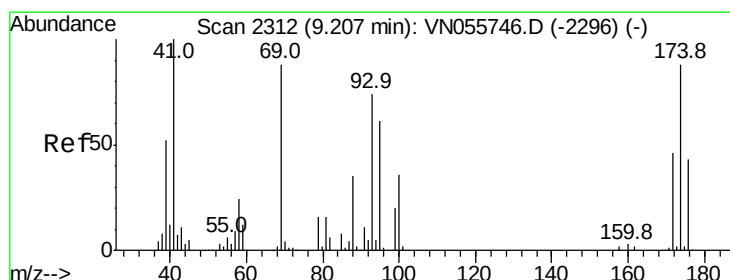
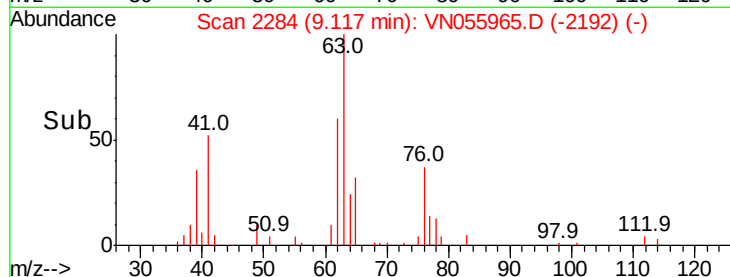
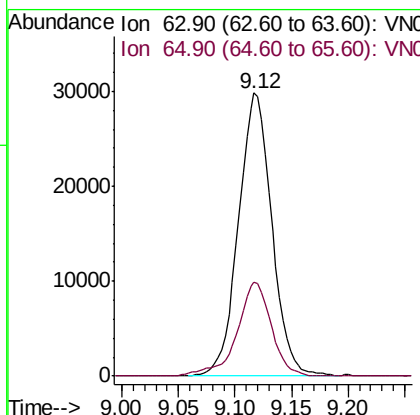
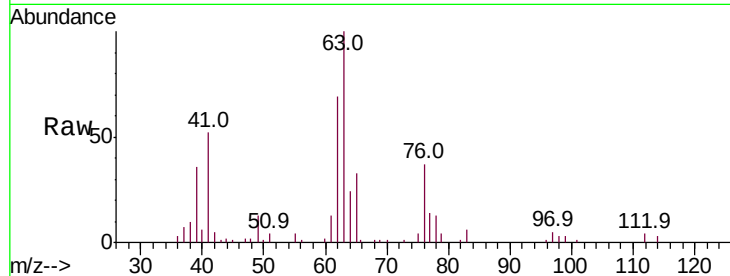
#45
 1,2-Dichloropropane
 Concen: 19.941 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBSD01

Tot Ion: 63 Resp: 61313
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.6 36.8

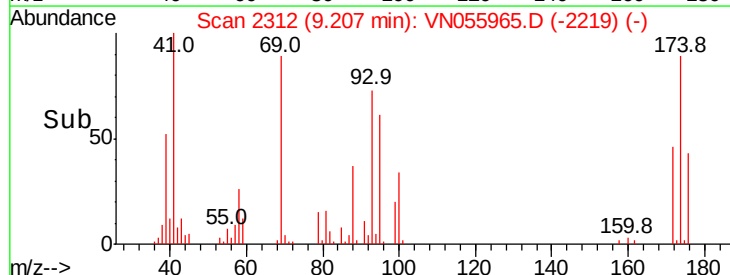
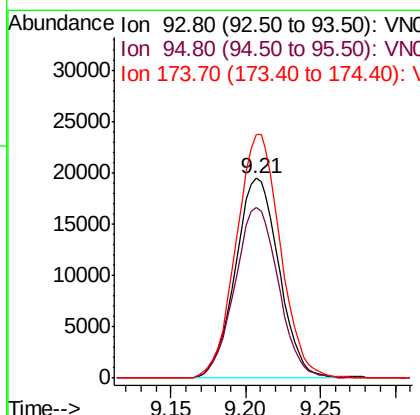
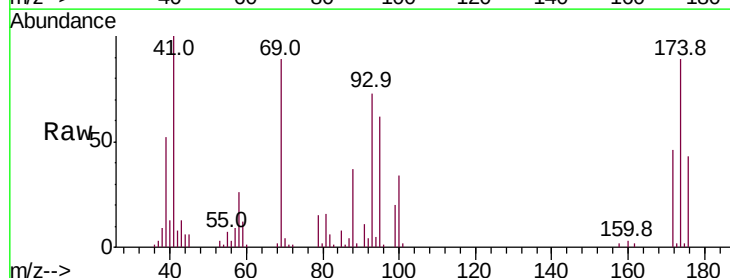
Manual Integrations
 APPROVED

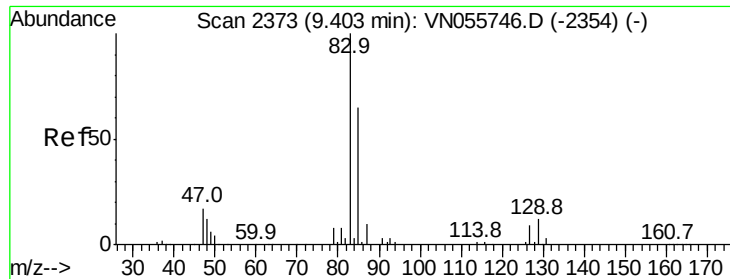
MMDadoda
 6/4/2019 11:24:53 AM



#46
 Dibromomethane
 Concen: 19.591 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Tgt Ion: 93 Resp: 39504
 Ion Ratio Lower Upper
 93 100
 95 85.4 66.7 100.1
 174 123.6 96.4 144.6





#47

Bromodichloromethane

Concen: 17.626 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

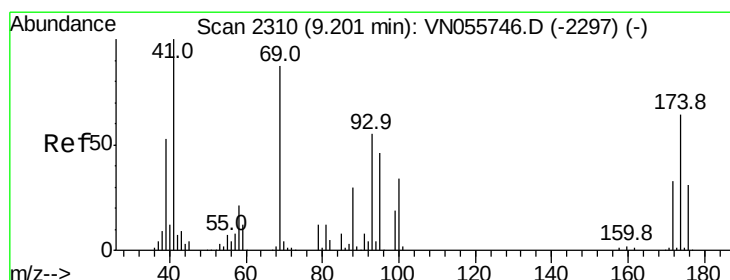
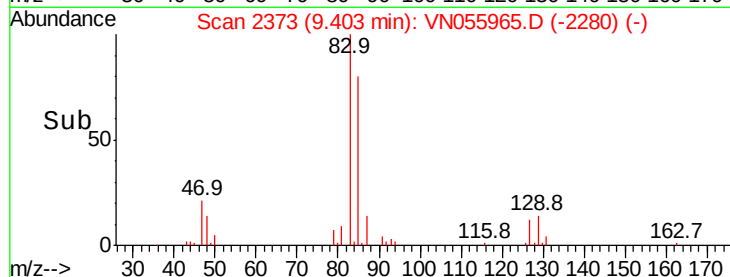
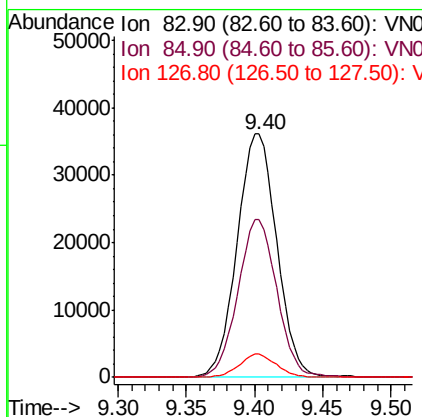
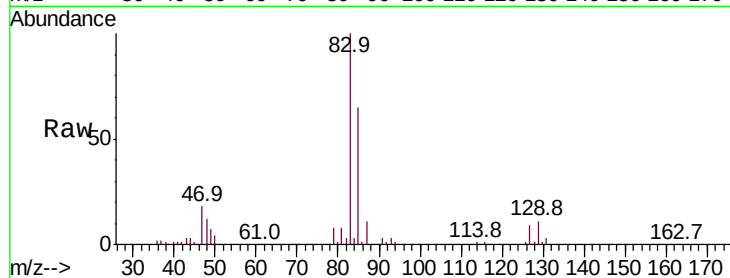
ClientSampleId :

VN0603WBSD01

Tot Ion:	83	Resp:	72879
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.2
127	9.4	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM



#48

Methyl methacrylate

Concen: 20.508 ug/l

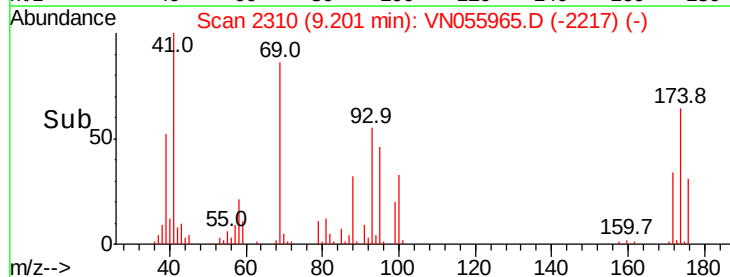
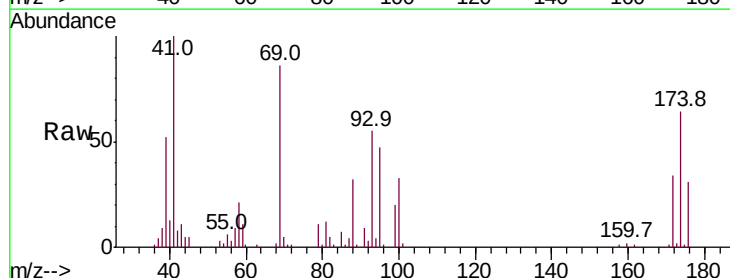
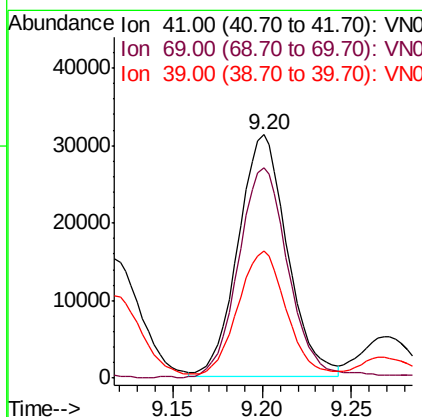
RT: 9.20 min Scan# 2310

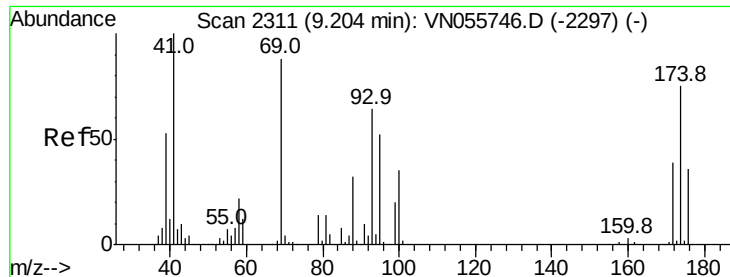
Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Tgt Ion:	41	Resp:	60099
Ion	Ratio	Lower	Upper
41	100		
69	90.2	71.0	106.6
39	53.2	44.2	66.2





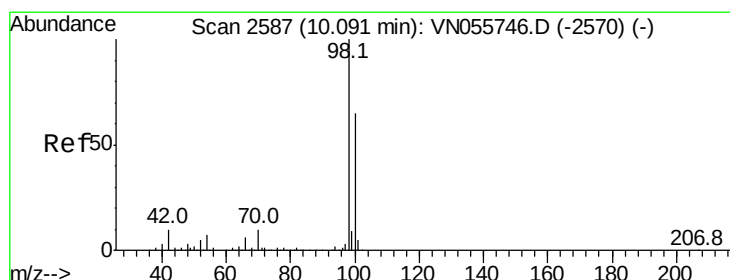
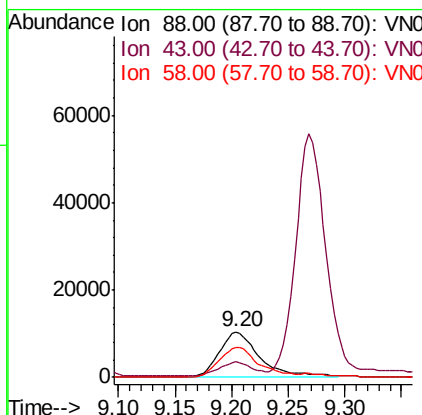
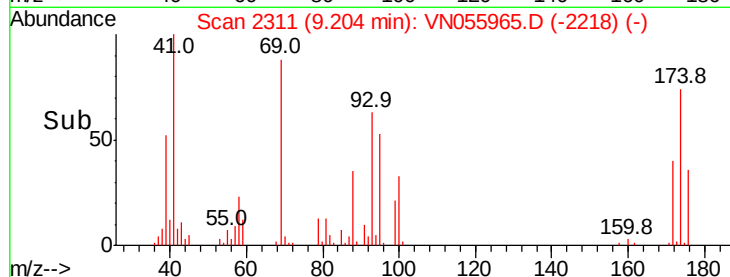
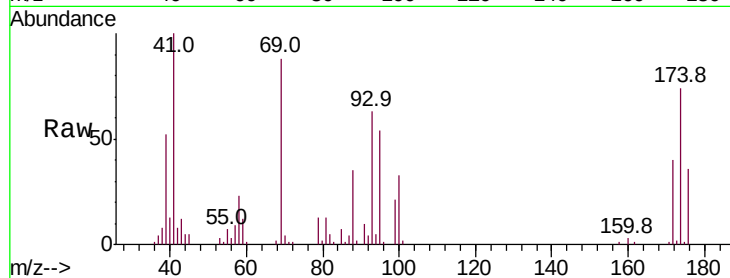
#49
1,4-Dioxane
Concen: 428.187 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Tot Ion	88	Resp	26076
Ion Ratio	100	Lower	Upper
88	100		
43	25.8	20.5	30.7
58	64.0	55.8	83.6

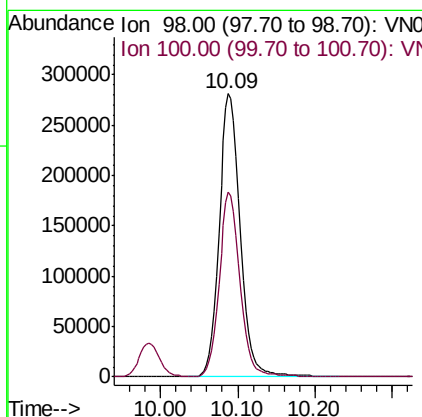
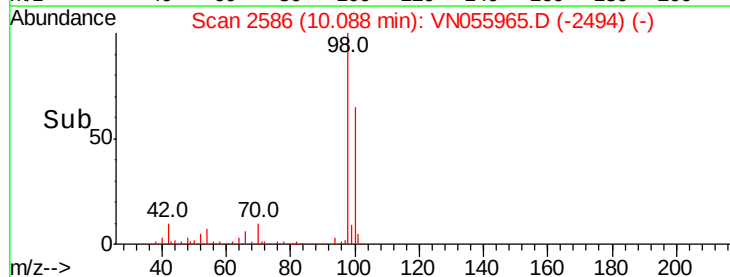
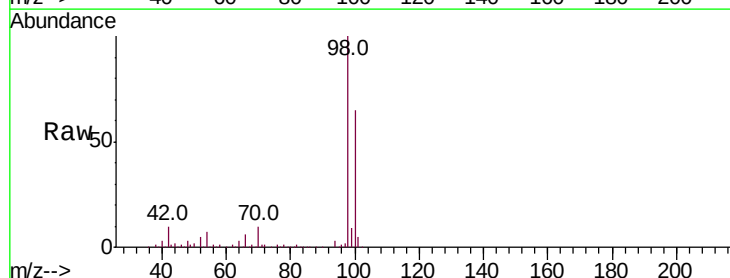
Manual Integrations
APPROVED

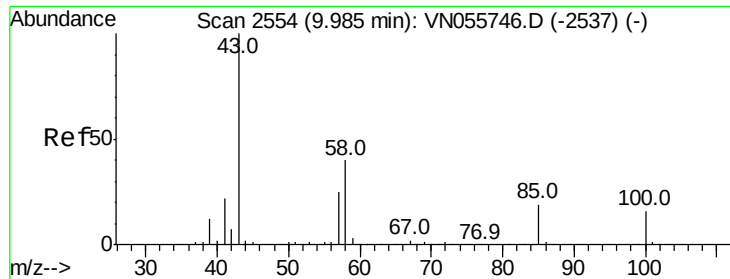
MMDadoda
6/4/2019 11:24:53 AM



#50
Toluene-d8
Concen: 49.132 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion	98	Resp	535391
Ion Ratio	100	Lower	Upper
98	100		
100	64.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 104.224 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Tot Ion: 43 Resp: 391402

Ion Ratio Lower Upper

43 100

58 40.6 32.1 48.1

Instrument :

MSVOA_N

ClientSampled :

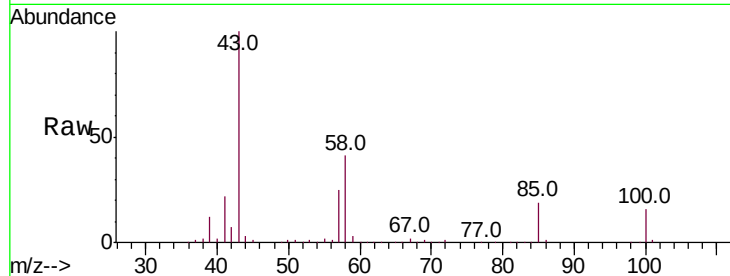
VN0603WBSD01

Manual Integrations

APPROVED

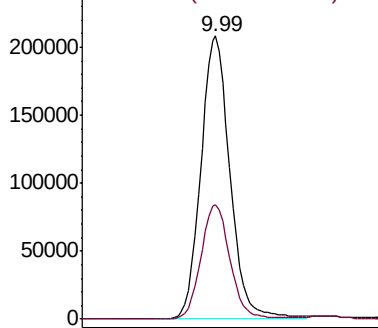
MMDadoda

6/4/2019 11:24:53 AM

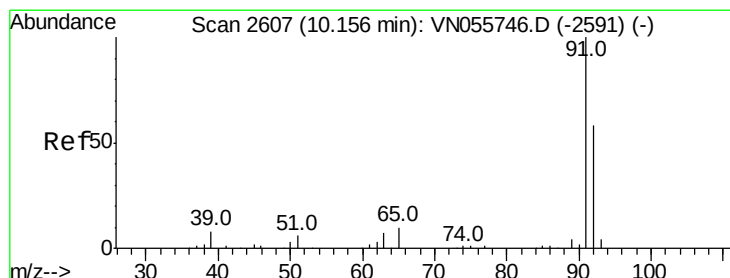
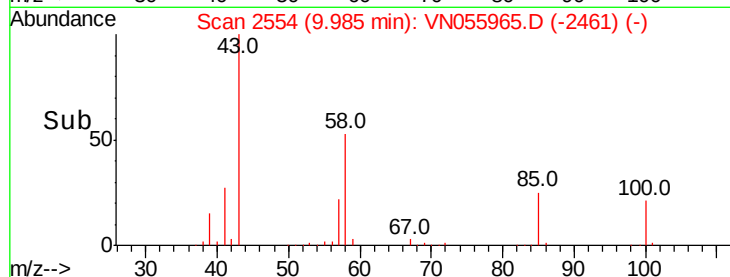


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 19.885 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055965.D

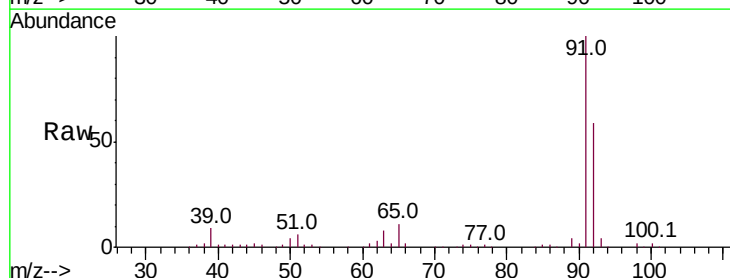
Acq: 3 Jun 2019 16:45

Tgt Ion: 92 Resp: 147587

Ion Ratio Lower Upper

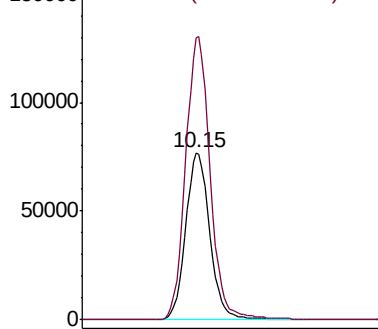
92 100

91 171.6 139.4 209.2

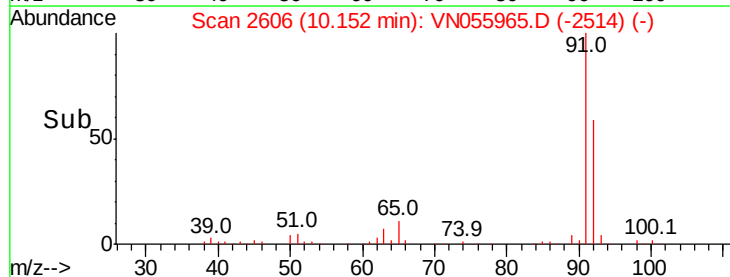


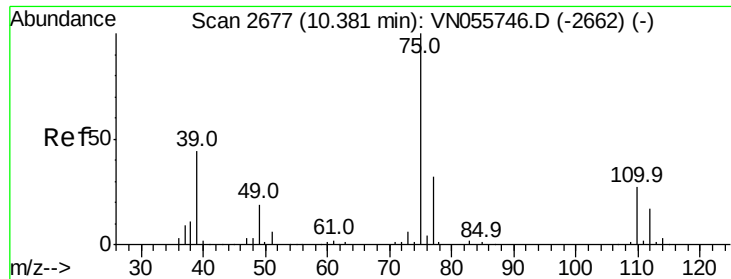
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





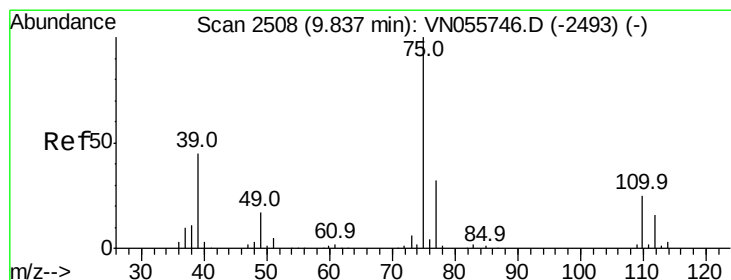
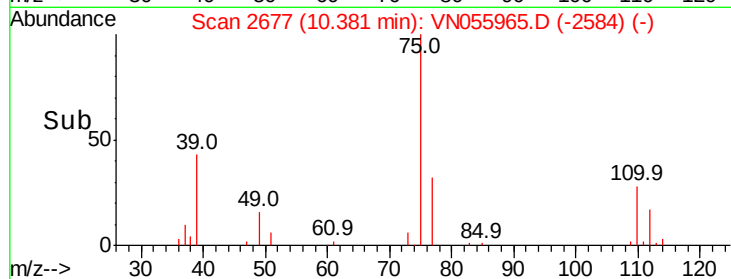
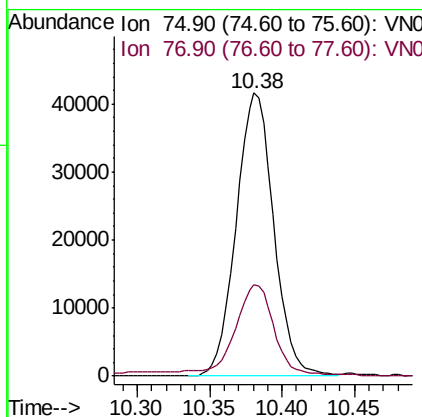
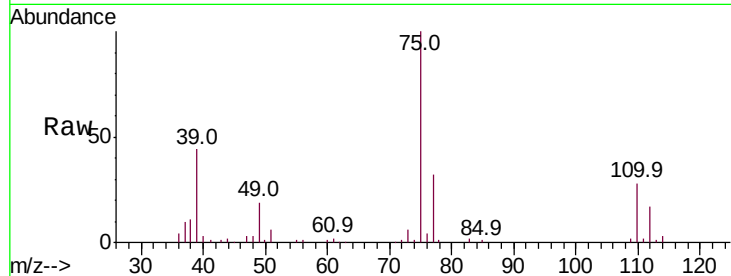
#53
 t-1,3-Dichloropropene
 Concen: 16.958 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBSD01

Tot Ion: 75 Resp: 74843
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.6

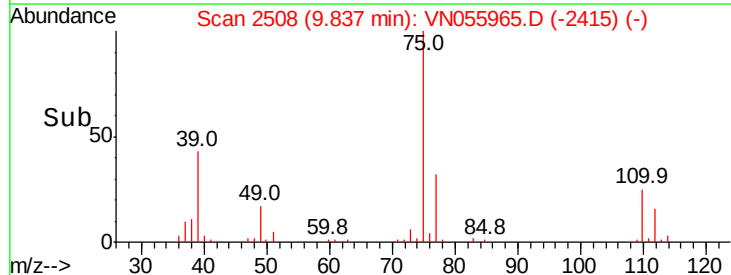
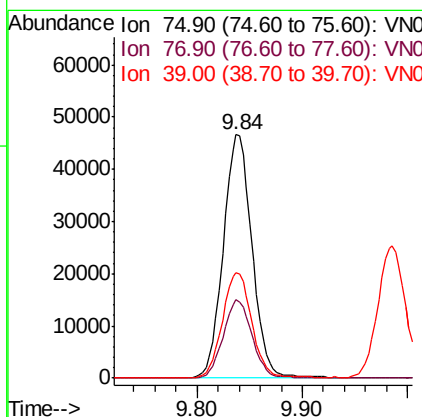
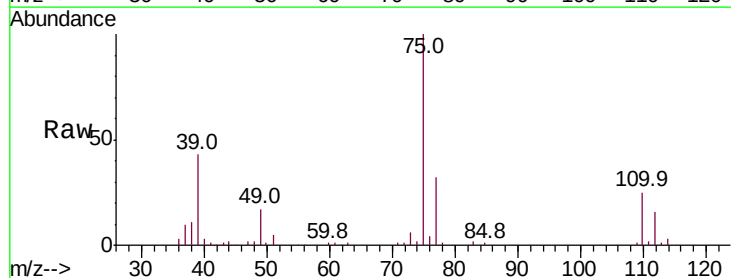
Manual Integrations
 APPROVED

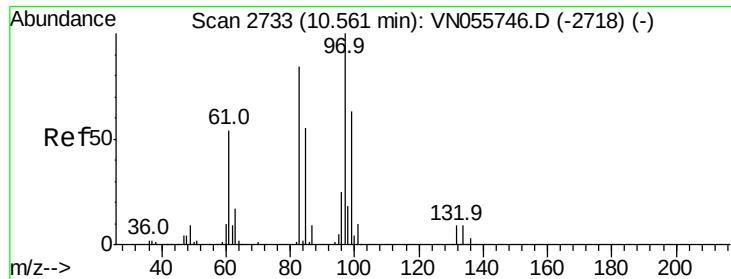
MMDadoda
 6/4/2019 11:24:53 AM



#54
 cis-1,3-Dichloropropene
 Concen: 17.975 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Tgt Ion: 75 Resp: 87886
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.0
 39 43.2 36.3 54.5





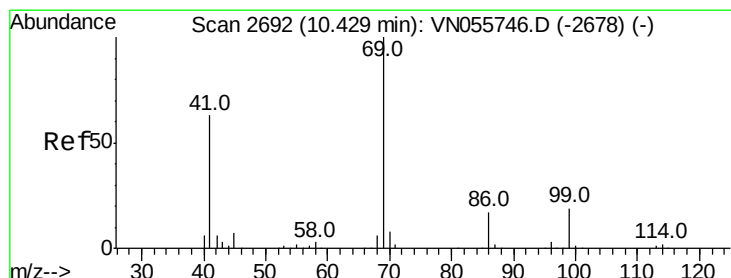
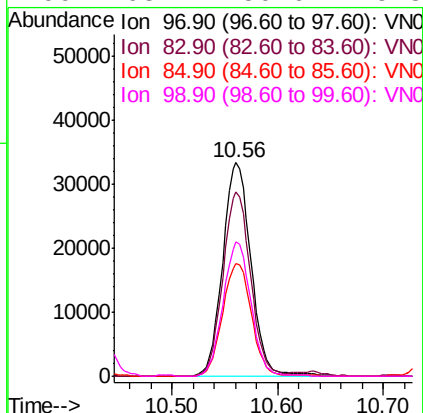
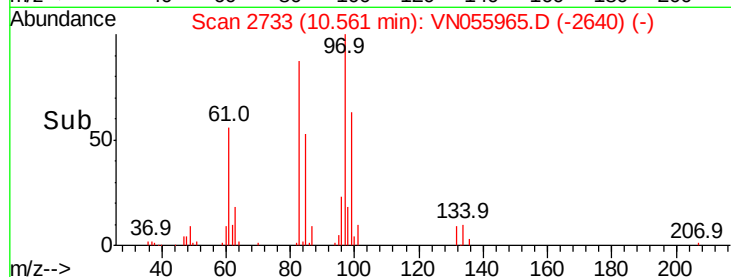
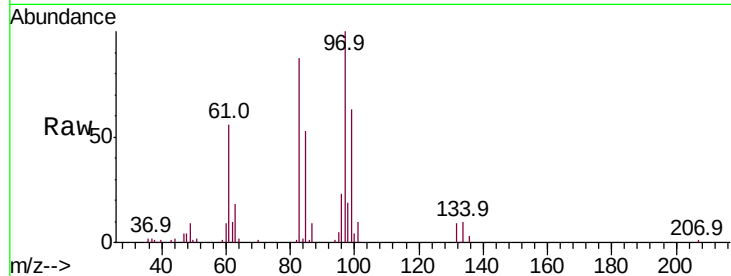
#55
 1,1,2-Trichloroethane
 Concen: 20.801 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0603WBSD01

Tot Ion:	97	Resp:	61847
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.0	100.6
85	52.6	44.0	66.0
99	63.2	50.6	75.8

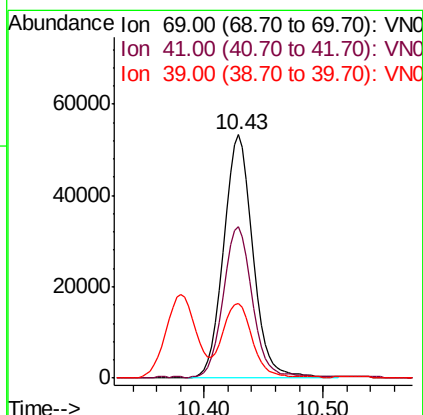
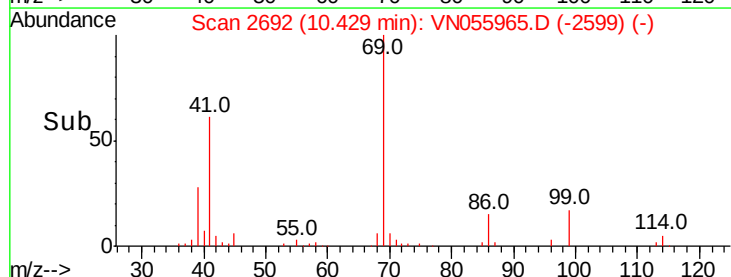
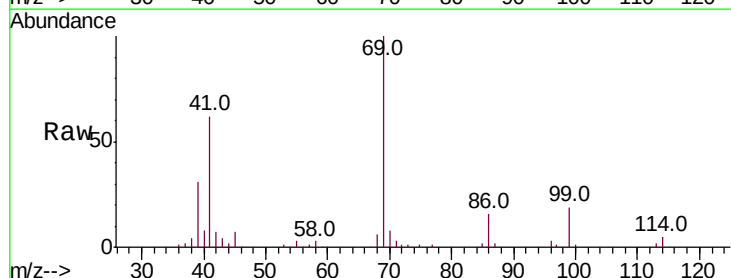
Manual Integrations
 APPROVED

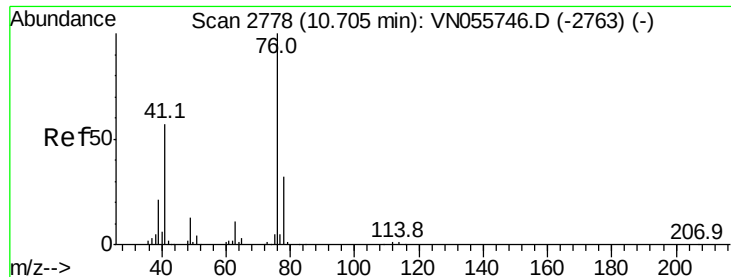
MMDadoda
 6/4/2019 11:24:53 AM



#56
 Ethyl methacrylate
 Concen: 19.831 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Tgt Ion:	69	Resp:	91128
Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.7	74.5
39	29.9	24.7	37.1





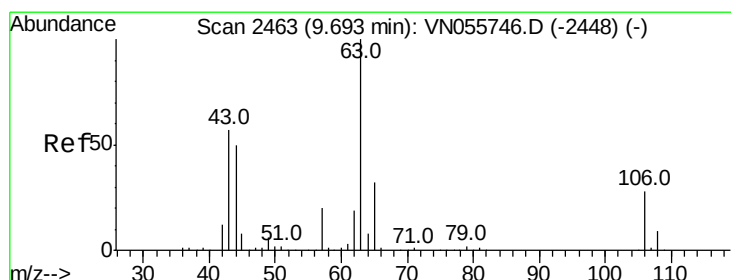
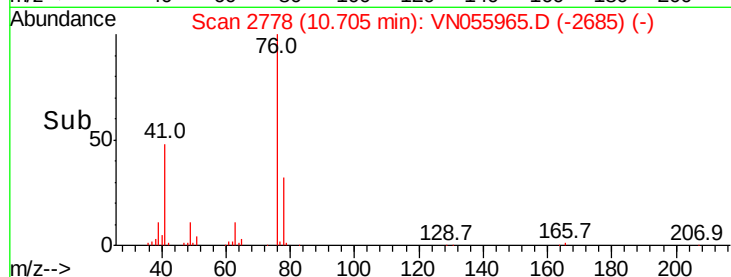
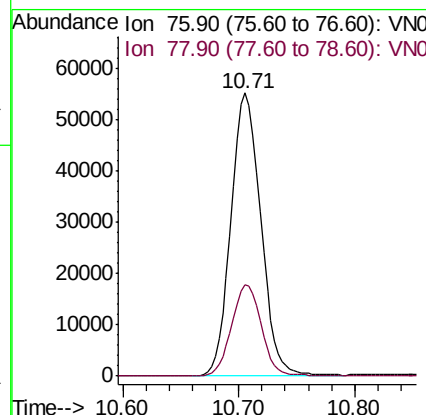
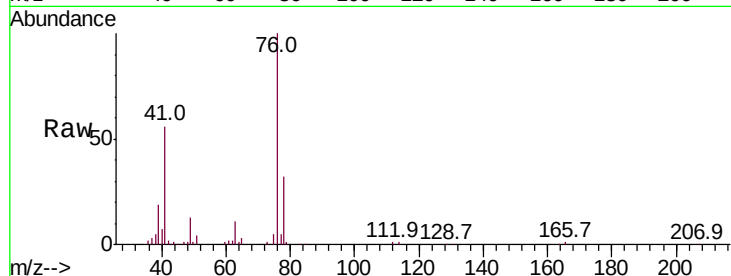
#57
 1,3-Dichloropropane
 Concen: 20.460 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBSD01

Tot Ion: 76 Resp: 98883
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

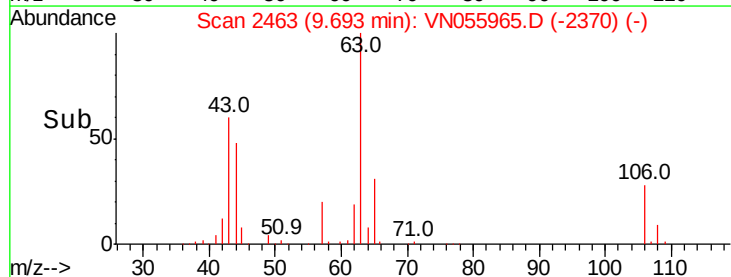
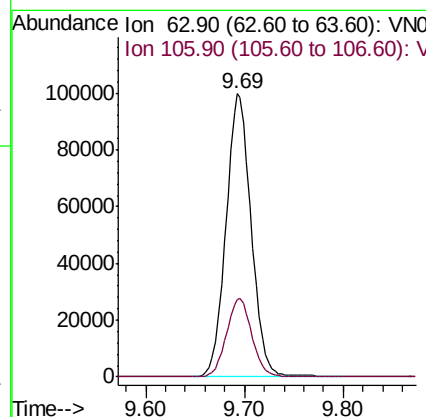
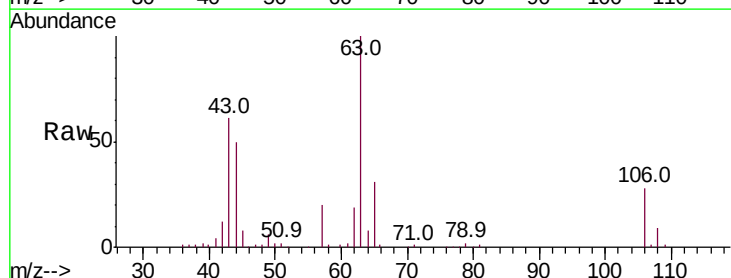
Manual Integrations
 APPROVED

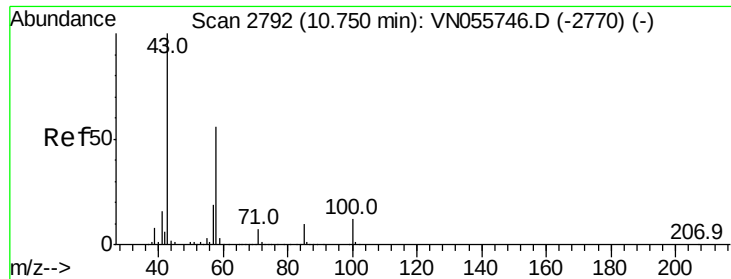
MMDadoda
 6/4/2019 11:24:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.820 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Tgt Ion: 63 Resp: 178806
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.7 34.1





#59

2-Hexanone

Concen: 104.561 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

ClientSampled :

VN0603WBSD01

Tot Ion: 43 Resp: 278562

Ion Ratio Lower Upper

43 100

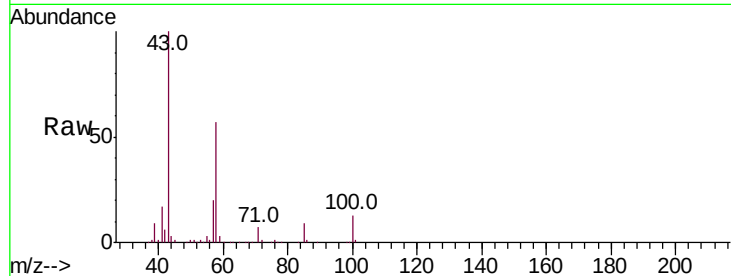
58 56.1 28.2 84.7

Manual Integrations

APPROVED

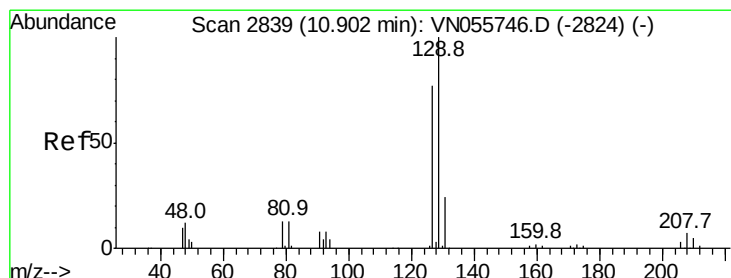
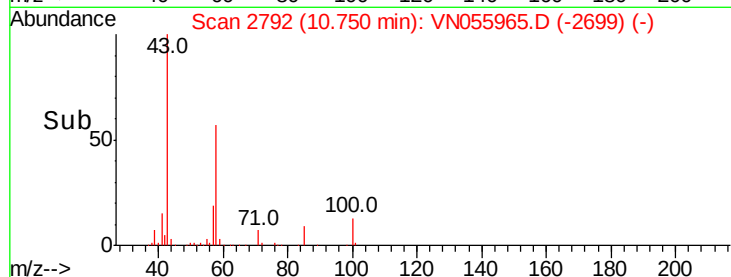
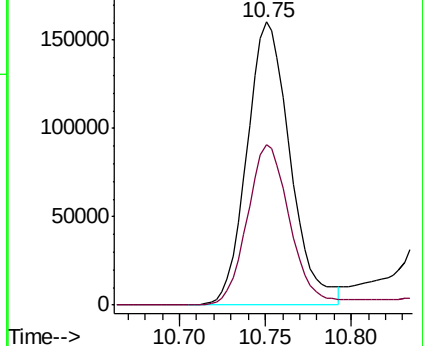
MMDadoda

6/4/2019 11:24:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#60

Dibromochloromethane

Concen: 17.354 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055965.D

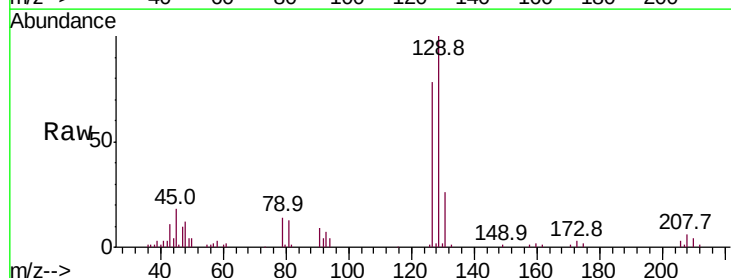
Acq: 3 Jun 2019 16:45

Tgt Ion: 129 Resp: 60109

Ion Ratio Lower Upper

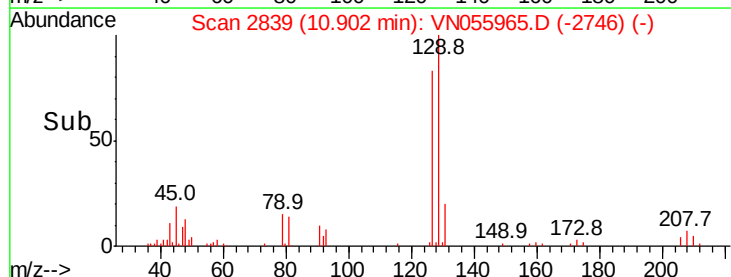
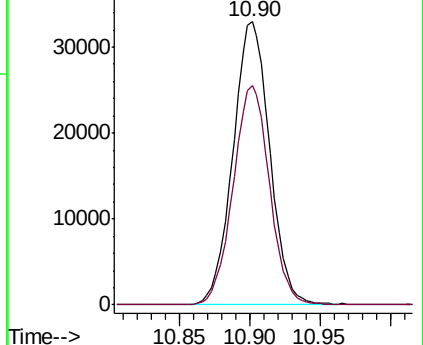
129 100

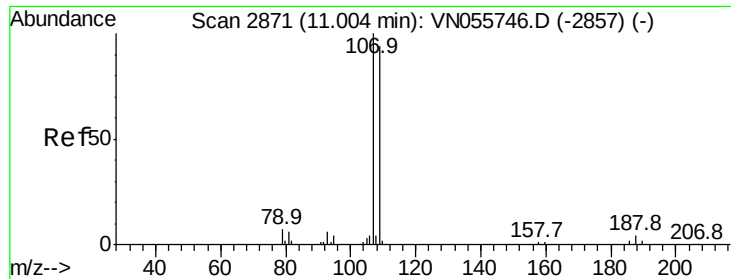
127 76.6 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





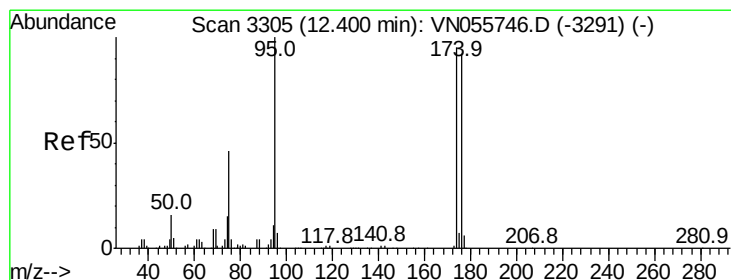
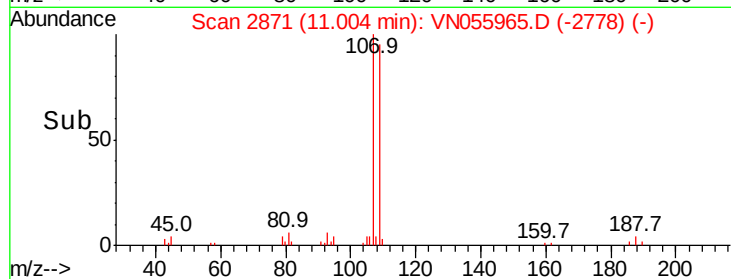
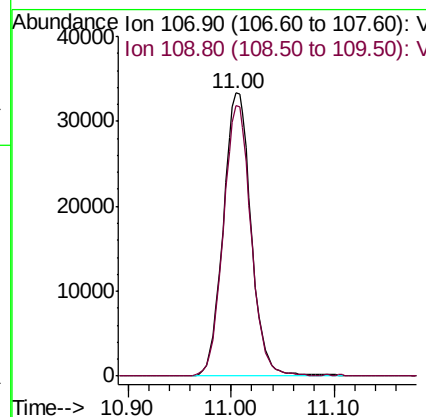
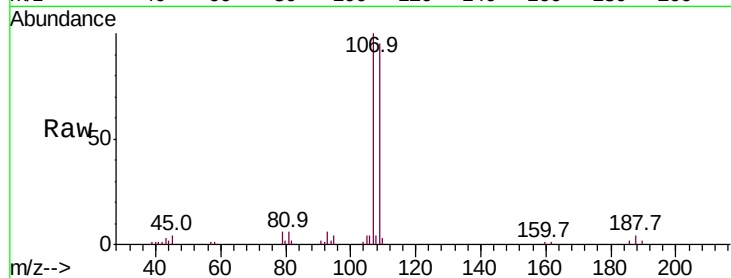
#61
 1,2-Dibromoethane
 Concen: 20.306 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.8	112.2

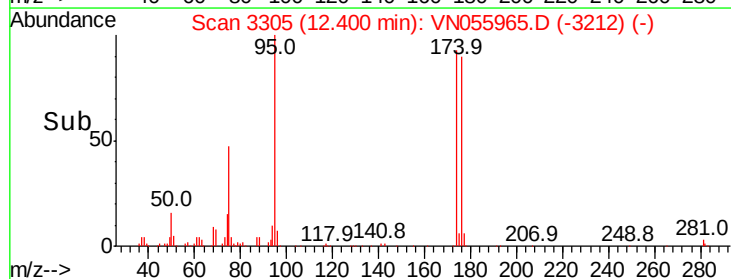
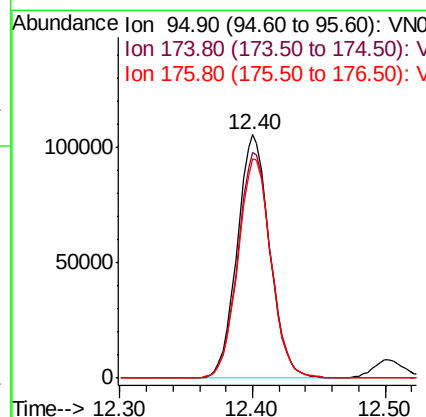
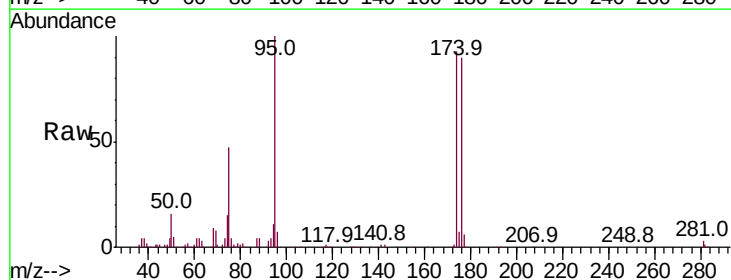
Manual Integrations
 APPROVED

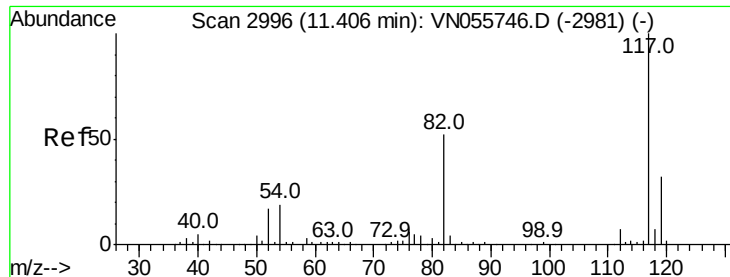
MMDadoda
 6/4/2019 11:24:53 AM



#62
 4-Bromofluorobenzene
 Concen: 48.009 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	191.0
176	91.9	0.0	185.2





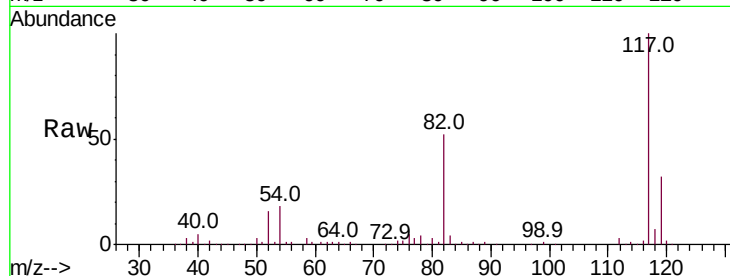
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.8	62.8
119	31.9	25.4	38.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM

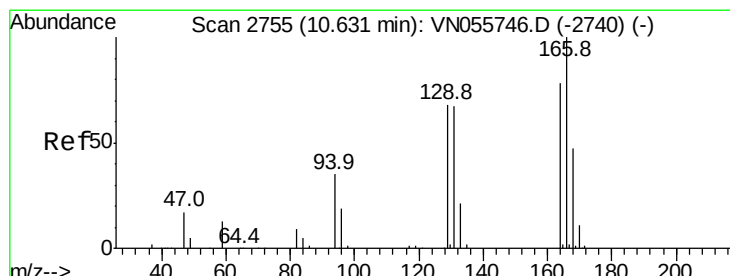
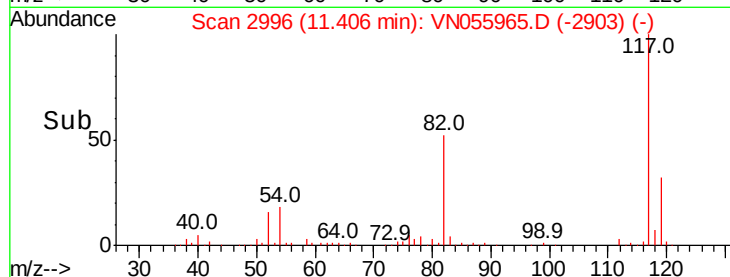
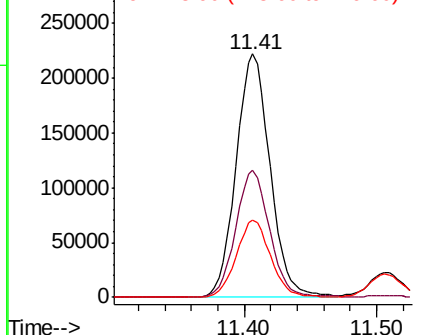


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.135 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	103.0	154.6
129	88.5	70.6	105.8
131	85.3	68.6	102.8

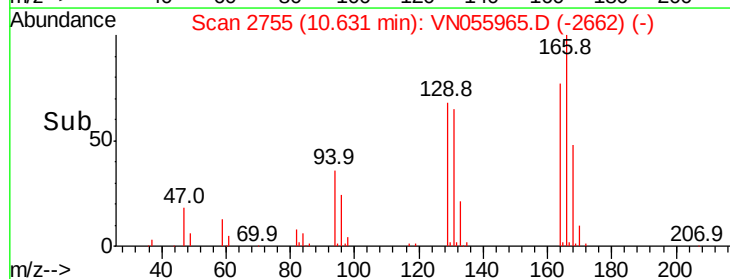
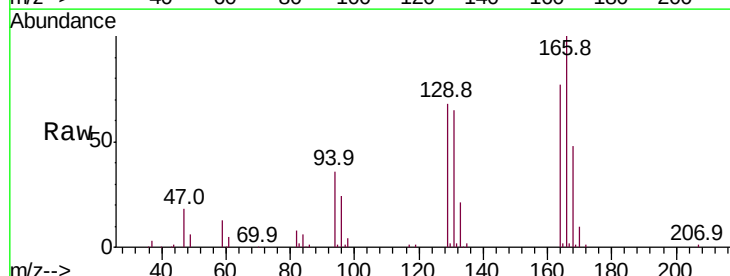
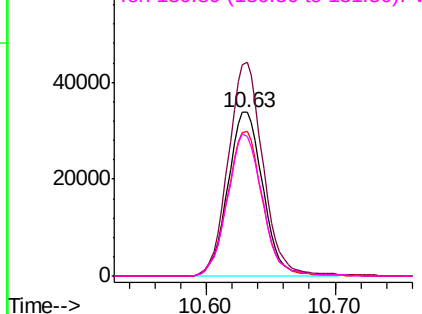
Abundance

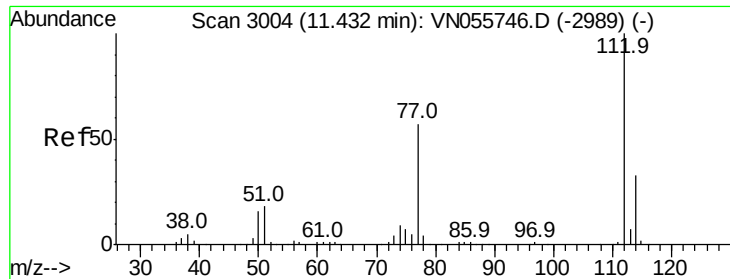
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





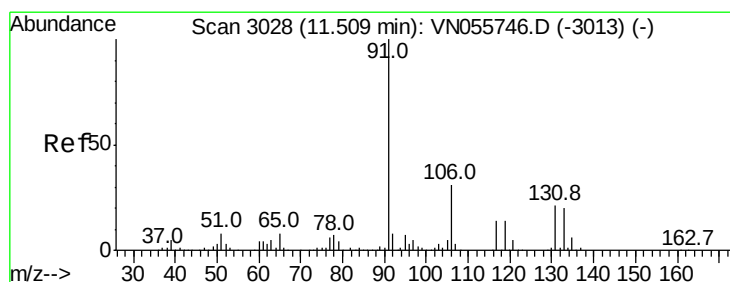
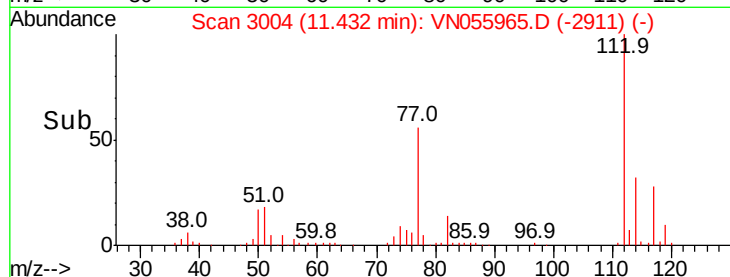
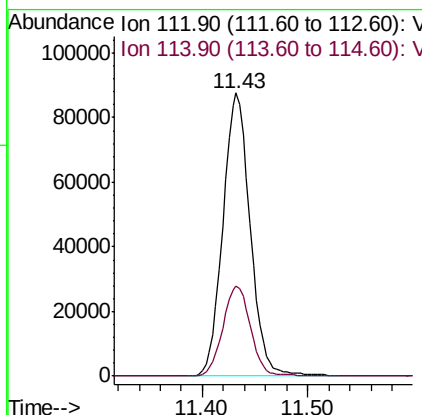
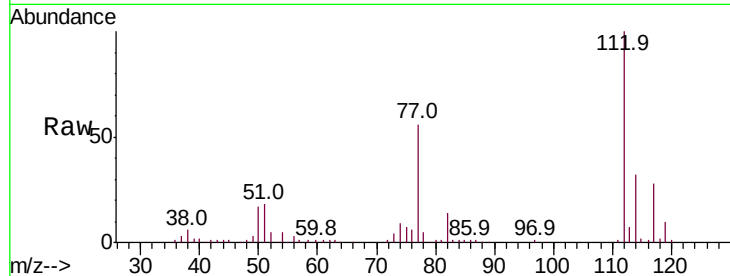
#65
Chlorobenzene
Concen: 19.744 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampled :
VN0603WBSD01

Tot Ion:112 Resp: 156534
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.4

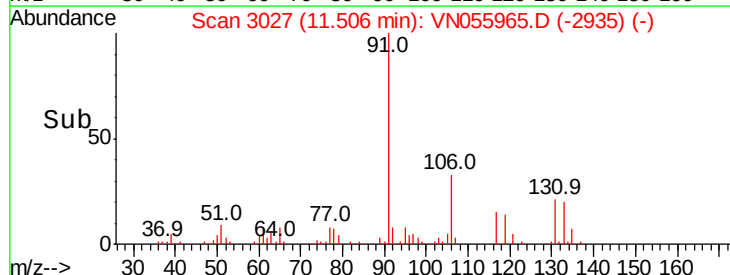
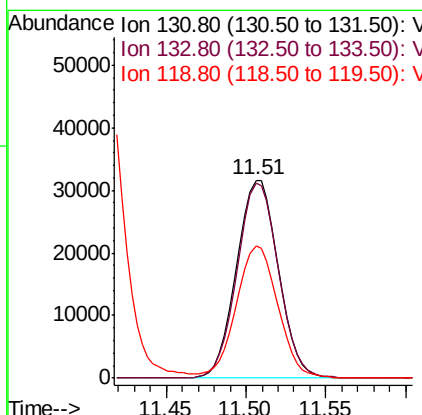
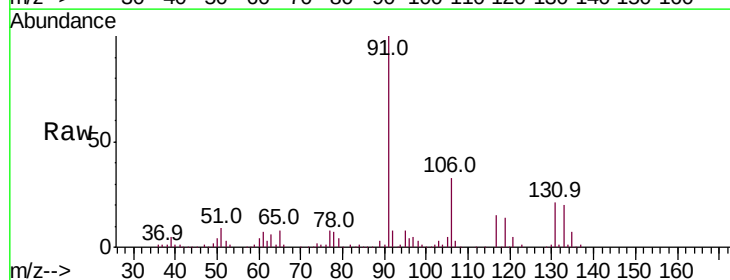
Manual Integrations
APPROVED

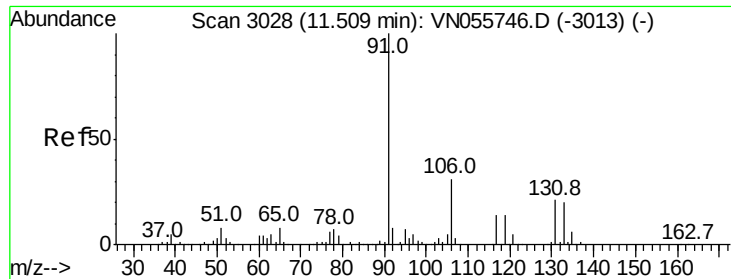
MMDadoda
6/4/2019 11:24:53 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.823 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion:131 Resp: 56358
Ion Ratio Lower Upper
131 100
133 97.5 48.0 144.0
119 67.0 33.1 99.5





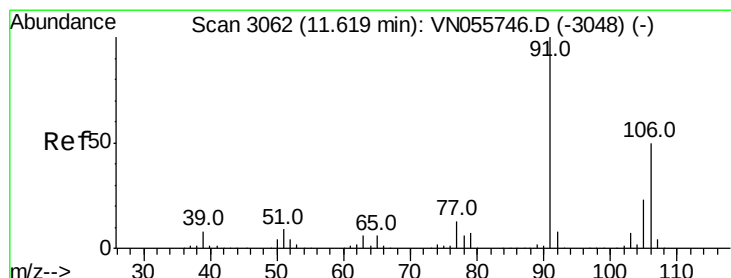
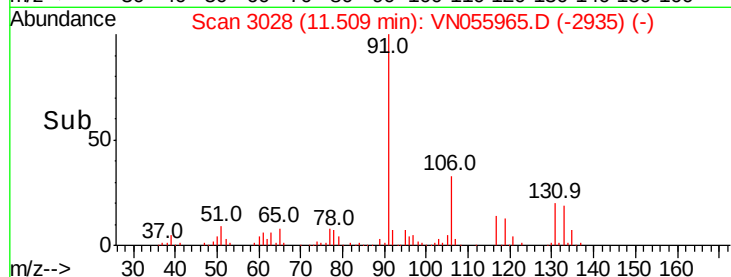
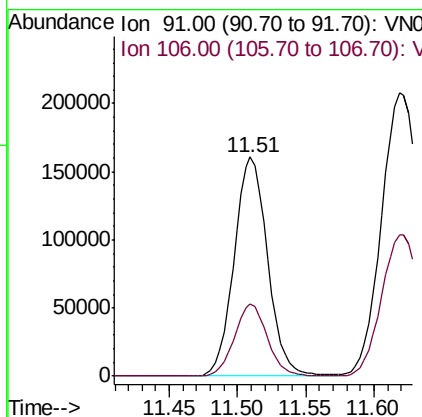
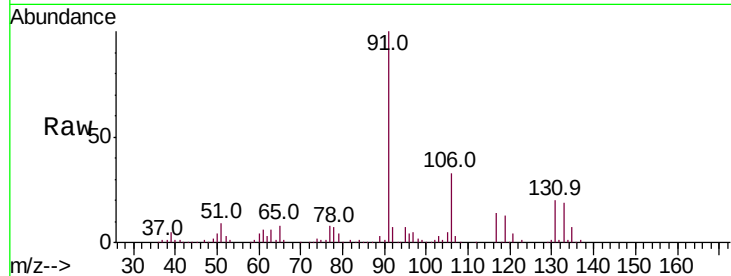
#67
Ethyl Benzene
Concen: 19.251 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Tot Ion: 91 Resp: 273703
Ion Ratio Lower Upper
91 100
106 33.0 25.1 37.7

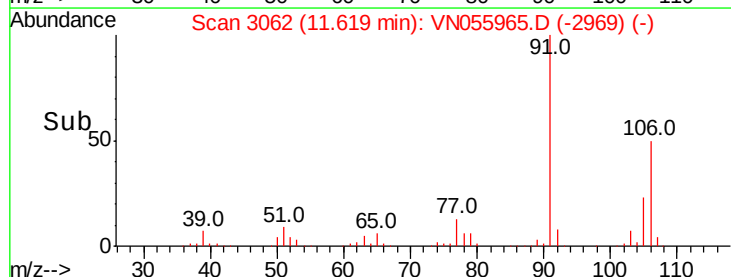
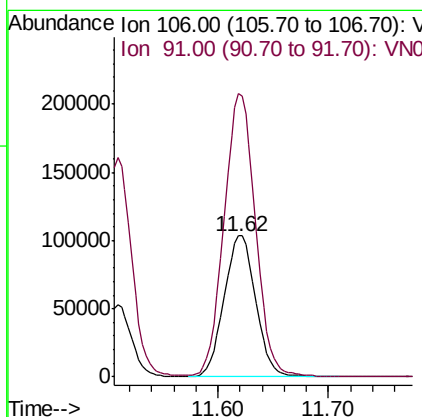
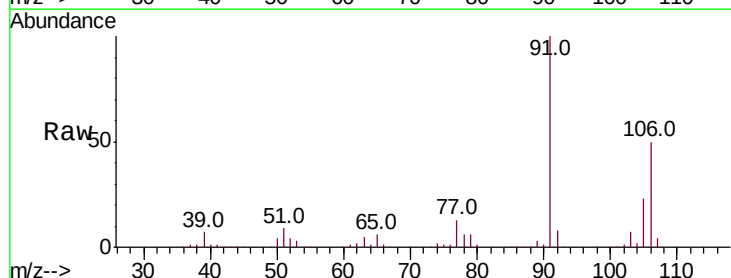
Manual Integrations
APPROVED

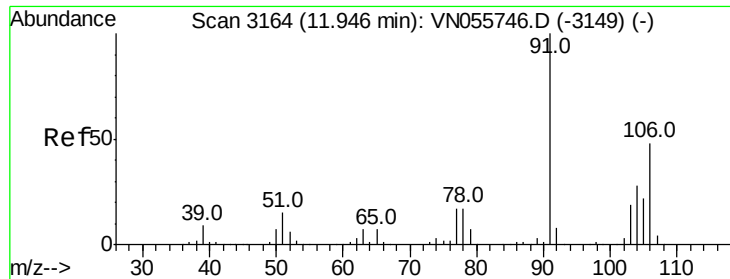
MMDadoda
6/4/2019 11:24:53 AM



#68
m/p-Xylenes
Concen: 38.465 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion: 106 Resp: 206749
Ion Ratio Lower Upper
106 100
91 199.1 159.3 238.9





#69

o-Xylene

Concen: 19.694 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

ClientSampled :

VN0603WBSD01

Tot Ion:106 Resp: 105021

Ion Ratio Lower Upper

106 100

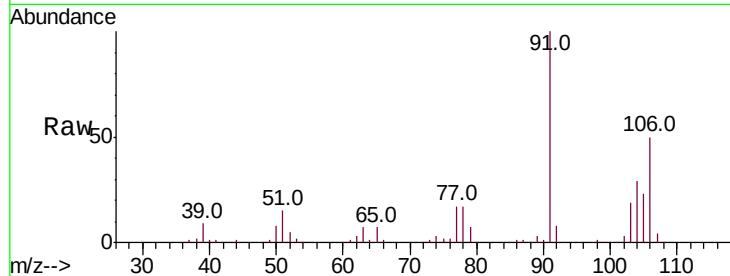
91 206.3 104.7 314.1

Manual Integrations

APPROVED

MMDadoda

6/4/2019 11:24:53 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

150000

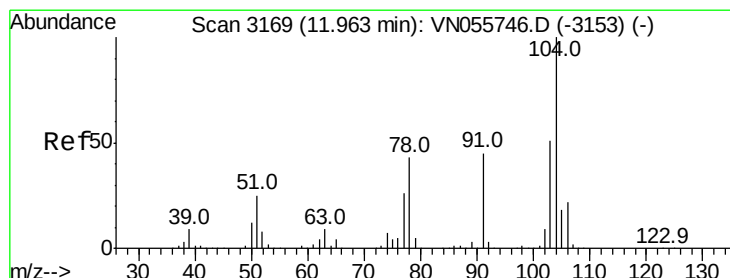
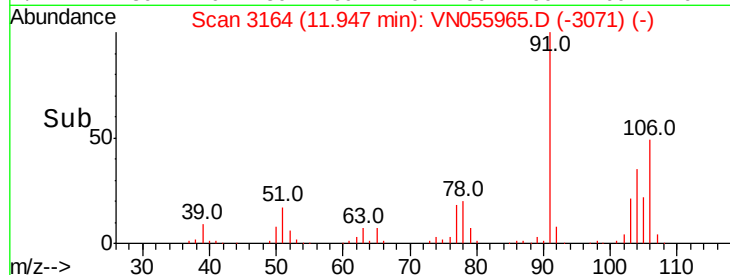
100000

50000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 19.593 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

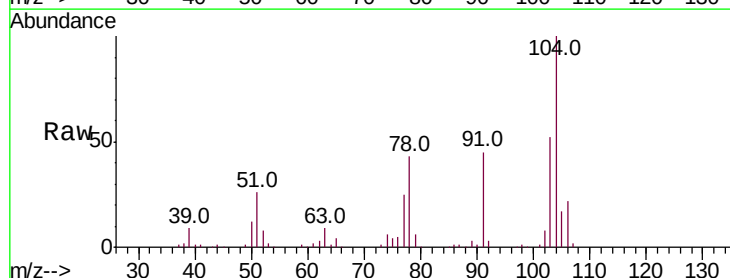
Tgt Ion:104 Resp: 169199

Ion Ratio Lower Upper

104 100

78 47.4 37.8 56.6

103 55.5 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

120000

100000

80000

60000

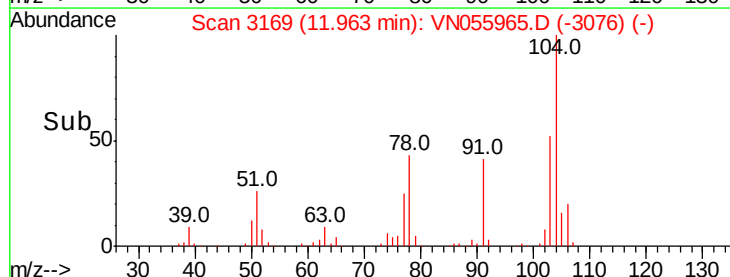
40000

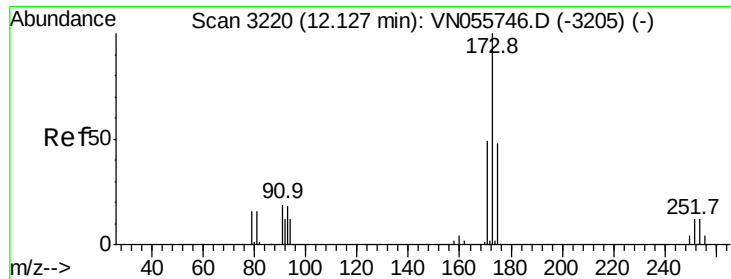
20000

0

11.90 11.96 12.00

Time-->





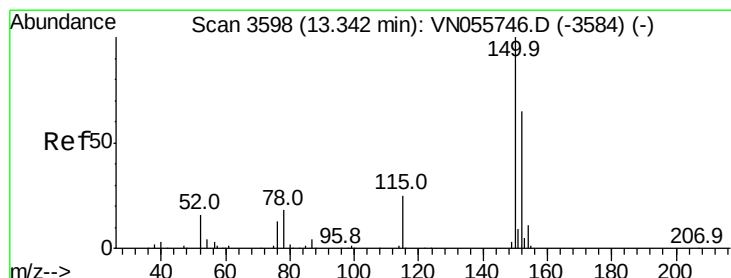
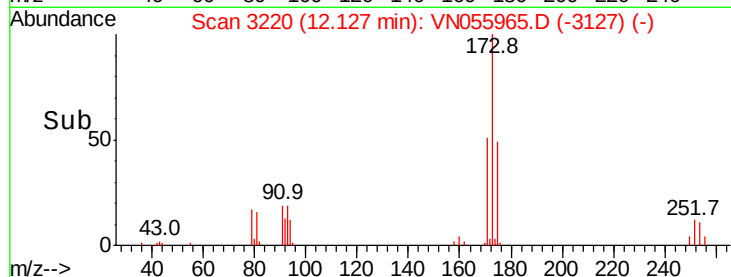
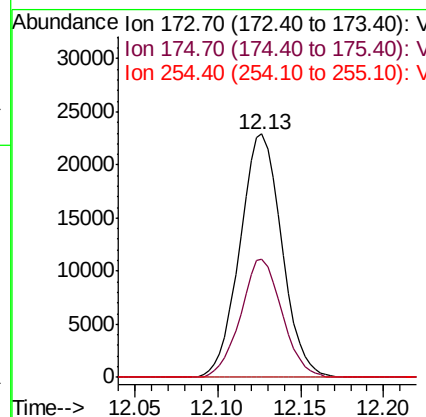
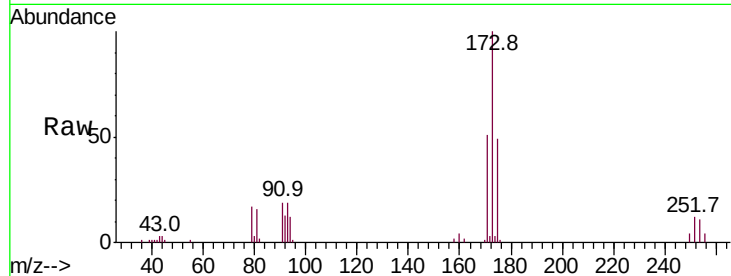
#71
Bromoform
Concen: 14.888 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.0	0.0	0.0

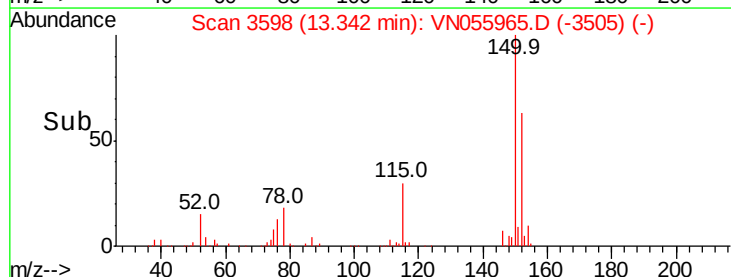
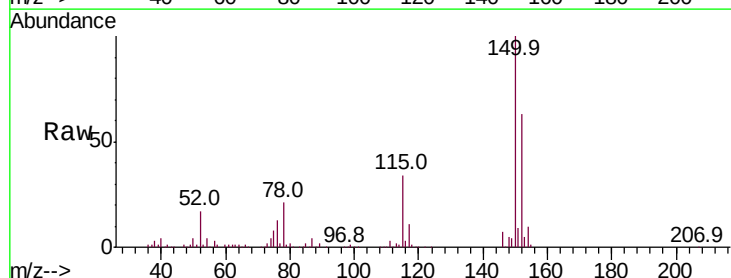
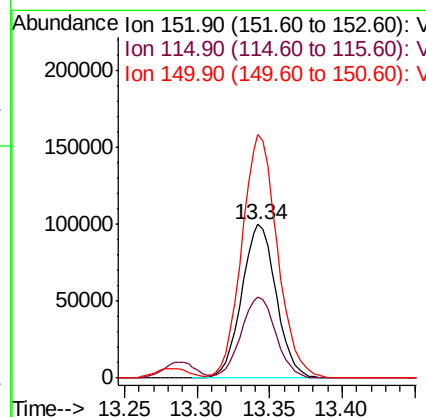
Manual Integrations
APPROVED

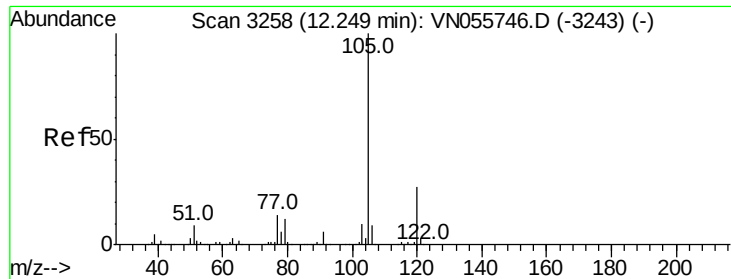
MMDadoda
6/4/2019 11:24:53 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.0	81.0
150	163.7	0.0	343.2





#73

Isopropylbenzene

Concen: 21.704 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBSD01

Tot Ion:105 Resp: 271947

Ion Ratio Lower Upper

105 100

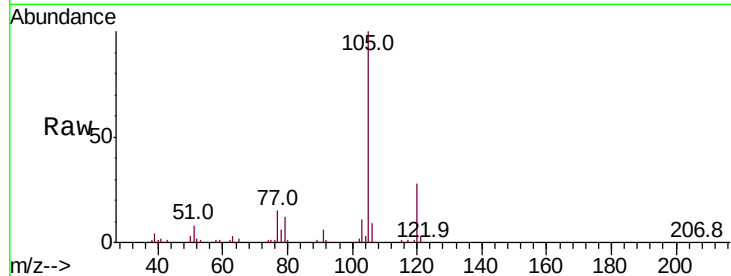
120 27.4 13.6 40.7

Manual Integrations

APPROVED

MMDadoda

6/4/2019 11:24:53 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

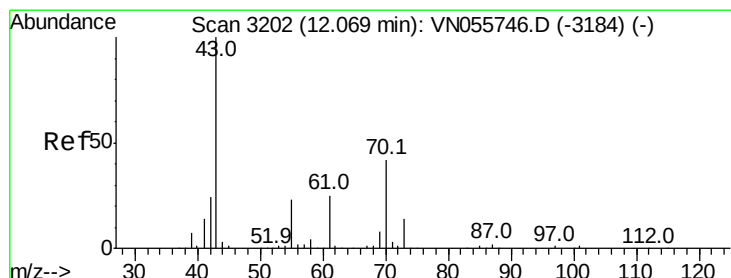
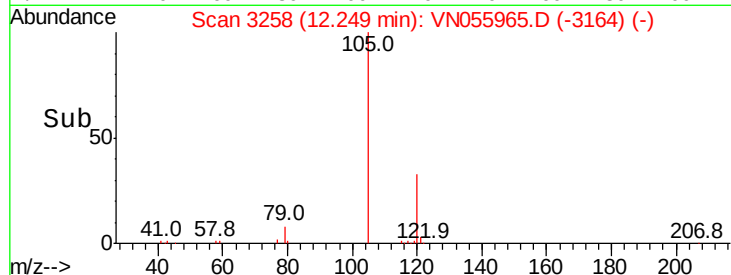
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 21.233 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Tgt Ion: 43 Resp: 100537

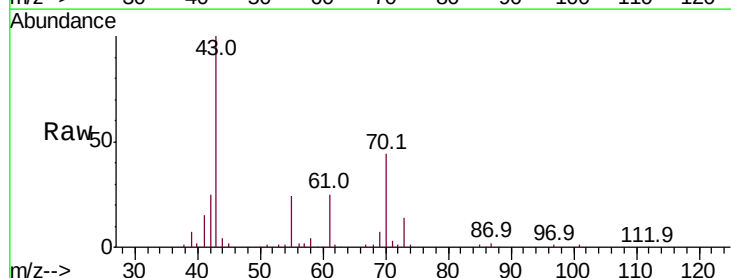
Ion Ratio Lower Upper

43 100

70 43.8 34.0 51.0

55 25.5 18.6 28.0

61 25.3 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

12.07

100000

80000

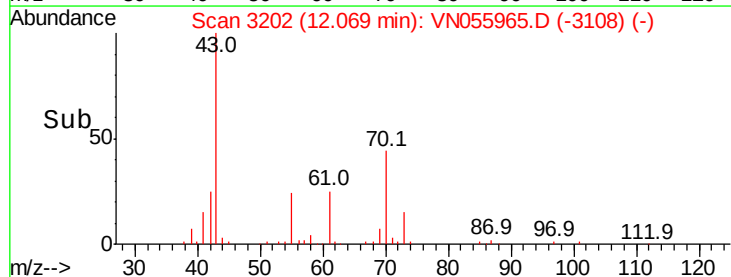
60000

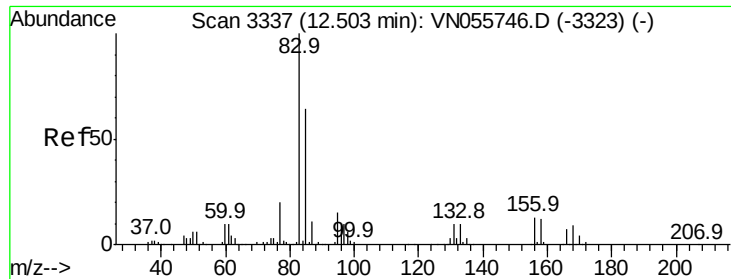
40000

20000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 23.223 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

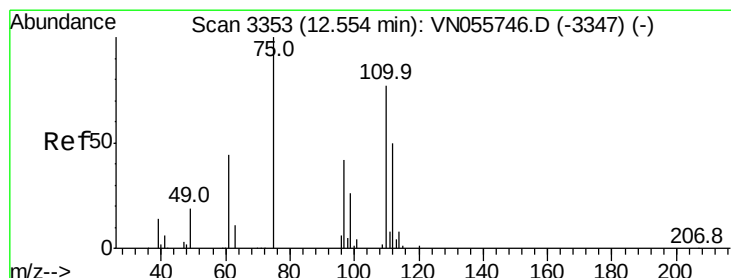
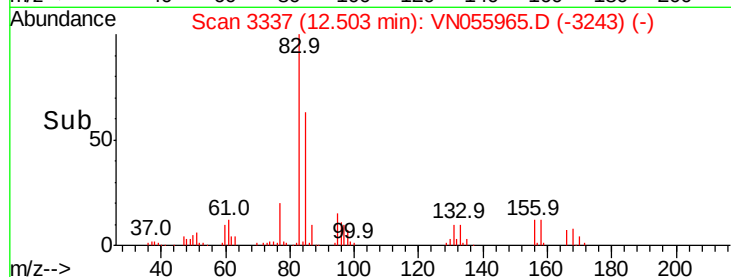
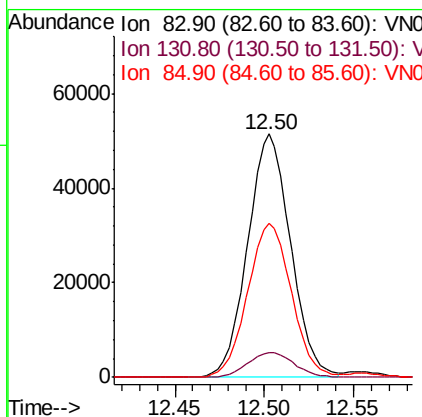
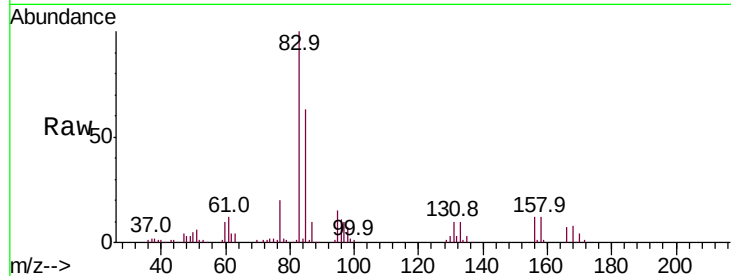
ClientSampled :

VN0603WBSD01

Tot Ion:	83	Resp:	86729
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	64.5	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM



#76

1,2,3-Trichloropropane

Concen: 24.641 ug/l m

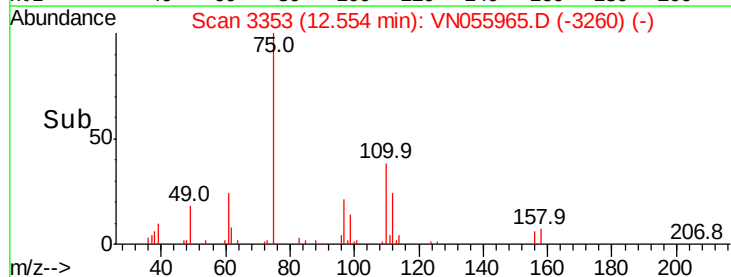
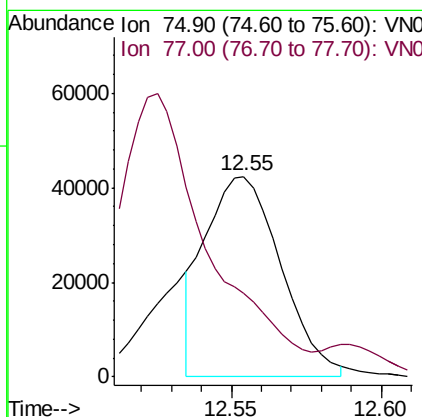
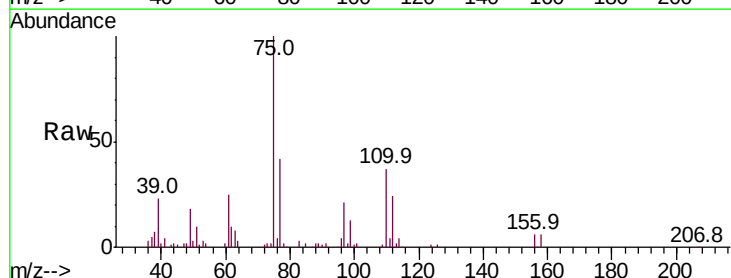
RT: 12.55 min Scan# 3353

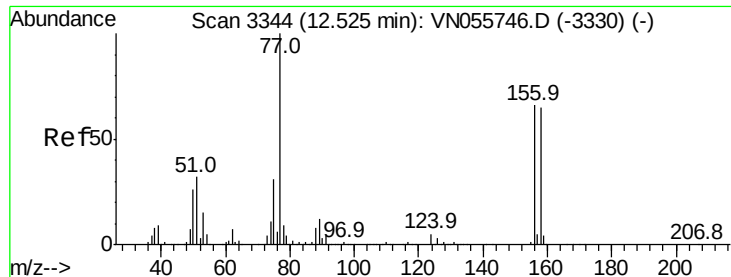
Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Tgt Ion:	75	Resp:	74405
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.550 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

ClientSampled :

VN0603WBSD01

Tot Ion:156 Resp: 72219

Ion Ratio Lower Upper

156 100

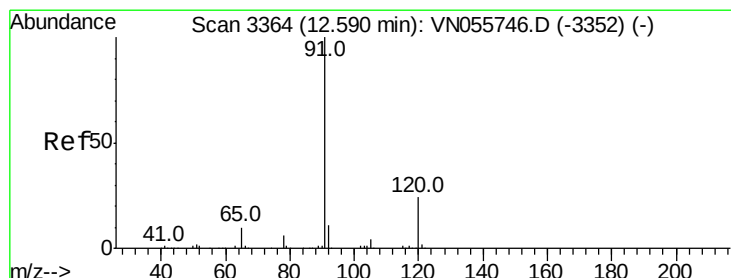
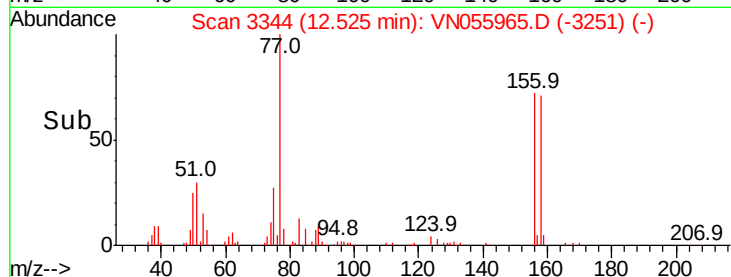
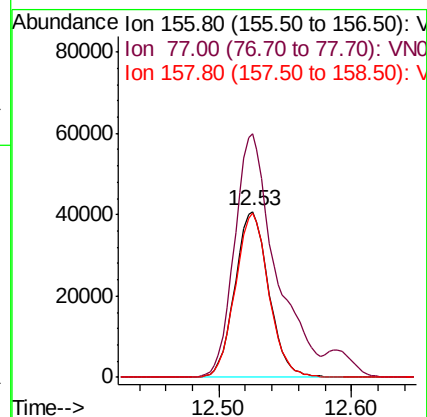
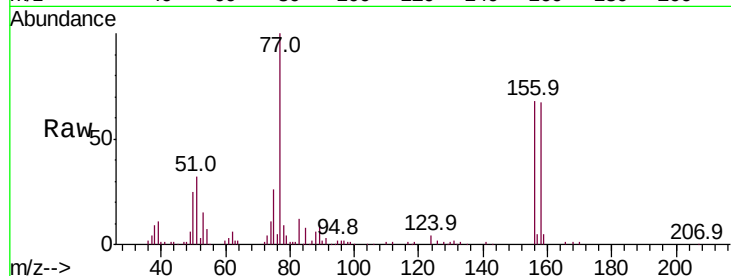
77 179.3 90.8 272.5

158 97.8 49.3 147.8

Manual Integrations
APPROVED

MMDadoda

6/4/2019 11:24:53 AM



#78

n-propylbenzene

Concen: 19.777 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055965.D

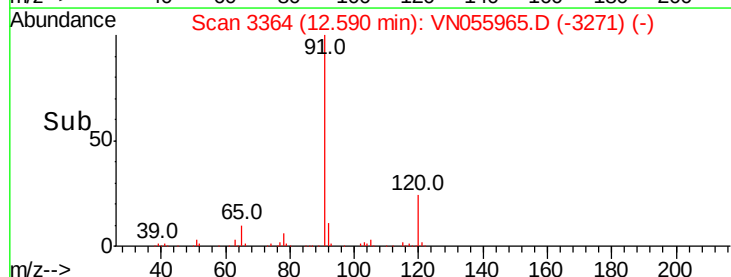
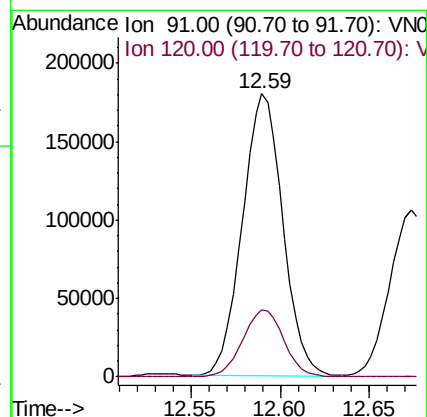
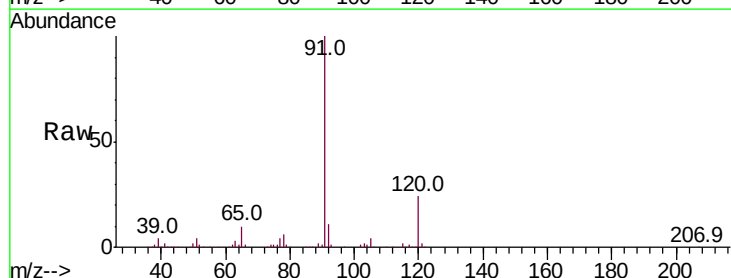
Acq: 3 Jun 2019 16:45

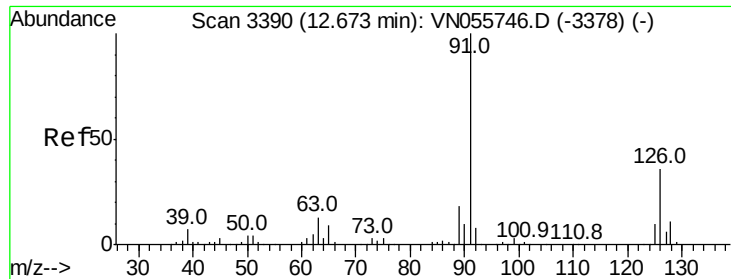
Tgt Ion: 91 Resp: 283081

Ion Ratio Lower Upper

91 100

120 24.3 12.0 36.0





#79

2-Chlorotoluene

Concen: 21.662 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

ClientSampled :

VN0603WBSD01

Tot Ion: 91 Resp: 178156

Ion Ratio Lower Upper

91 100

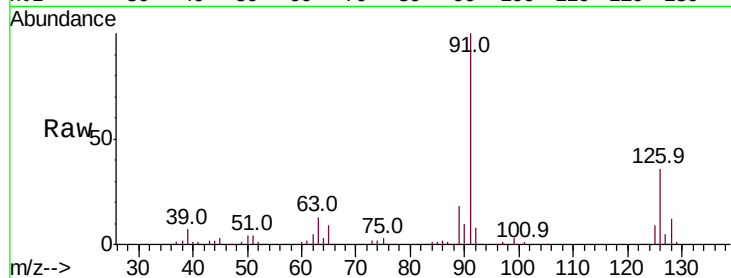
126 35.8 18.1 54.4

Manual Integrations

APPROVED

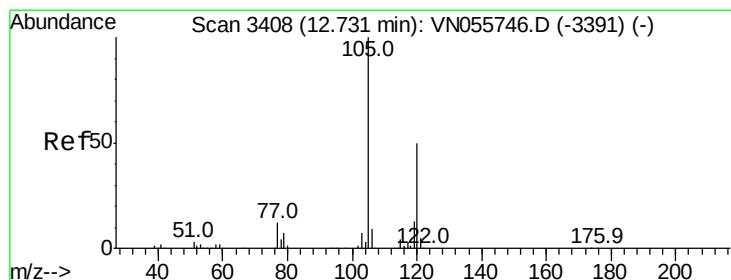
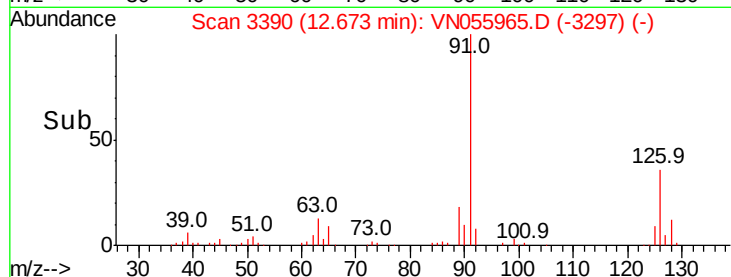
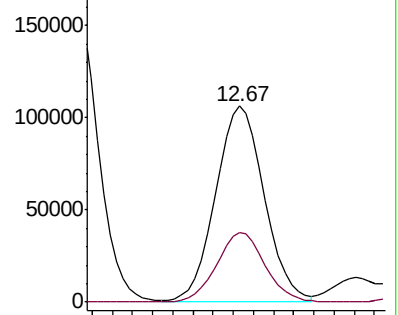
MMDadoda

6/4/2019 11:24:53 AM



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

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



#80

1,3,5-Trimethylbenzene

Concen: 21.331 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055965.D

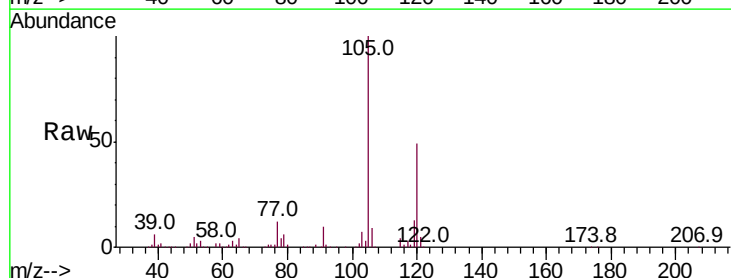
Acq: 3 Jun 2019 16:45

Tgt Ion:105 Resp: 224820

Ion Ratio Lower Upper

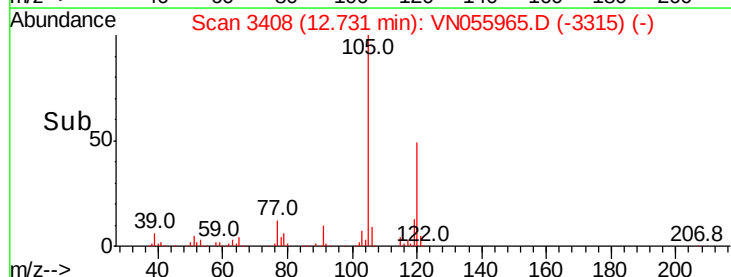
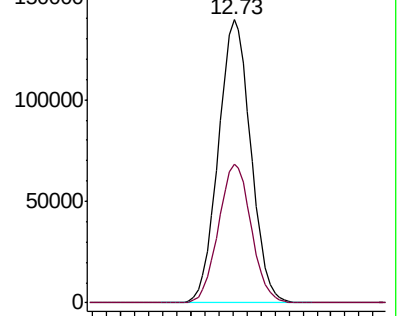
105 100

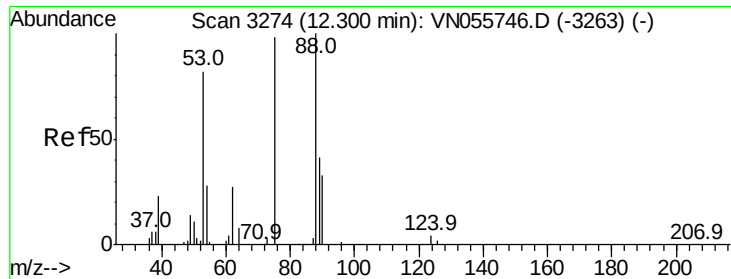
120 49.6 24.7 74.1



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

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





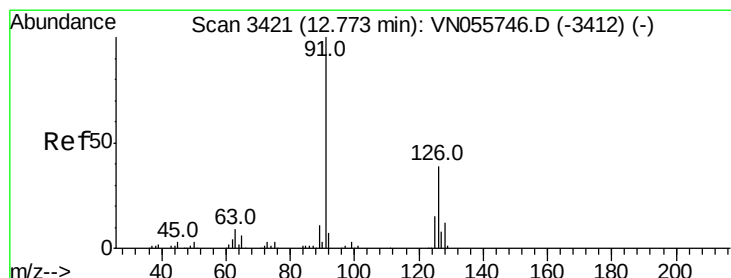
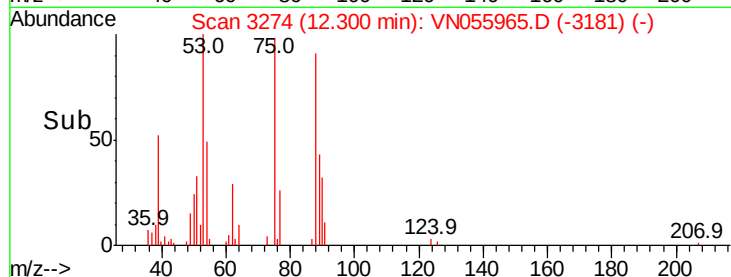
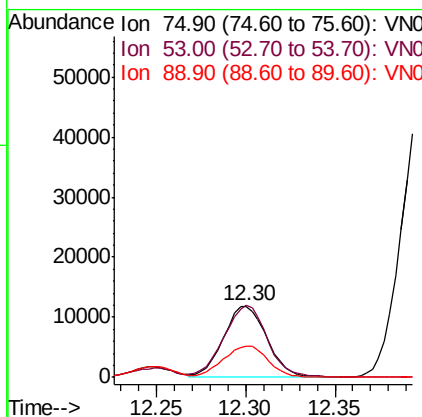
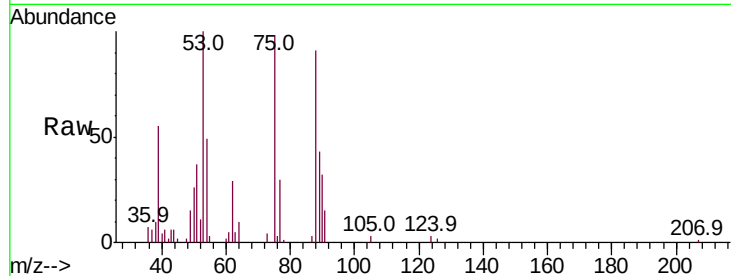
#81
trans-1,4-Dichloro-2-butene
Concen: 16.485 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.6	68.1	102.1
89	44.5	36.9	55.3

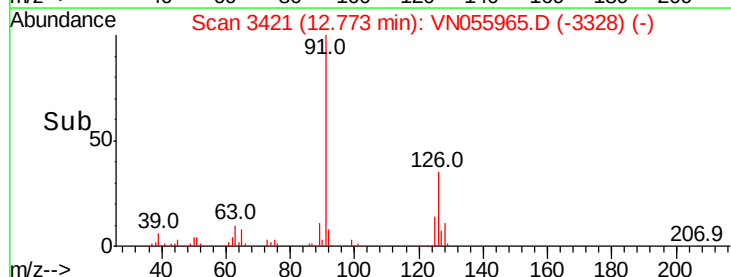
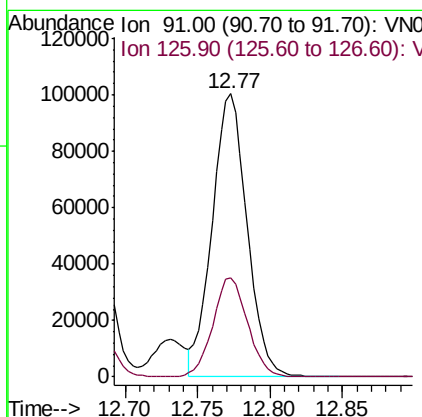
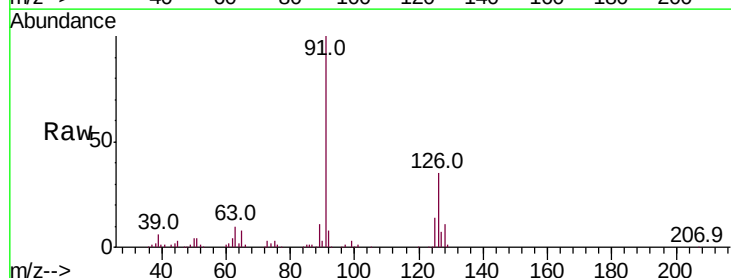
Manual Integrations
APPROVED

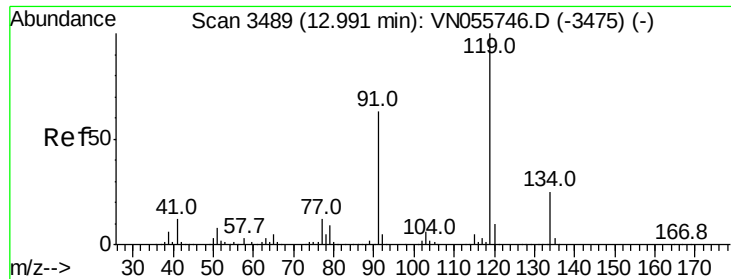
MMDadoda
6/4/2019 11:24:53 AM



#82
4-Chlorotoluene
Concen: 19.992 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.3





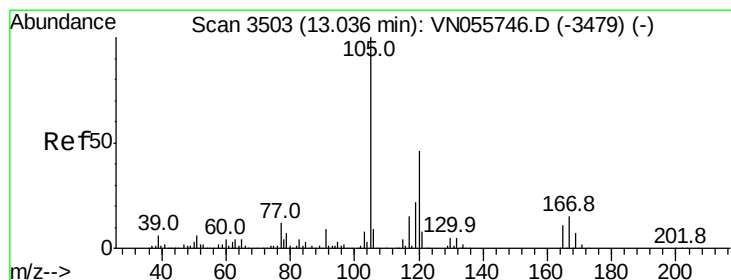
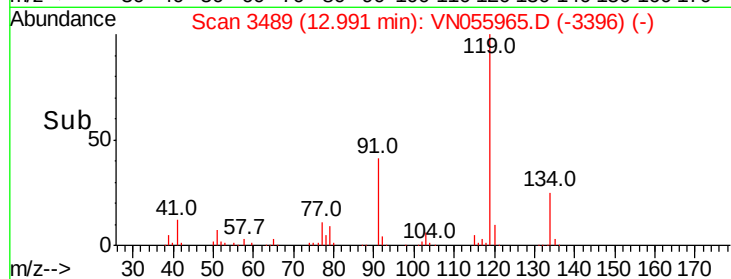
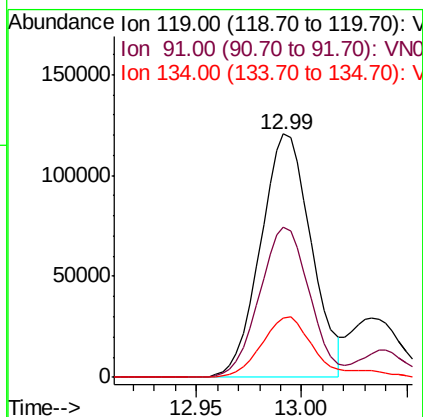
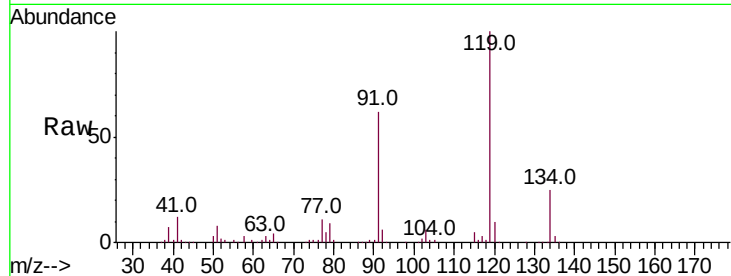
#83
 tert-Butylbenzene
 Concen: 21.938 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.9	92.8
134	27.0	13.3	39.8

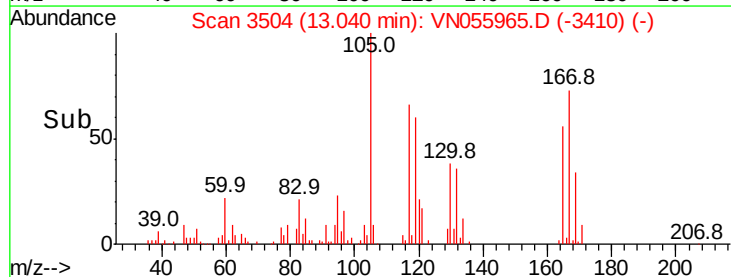
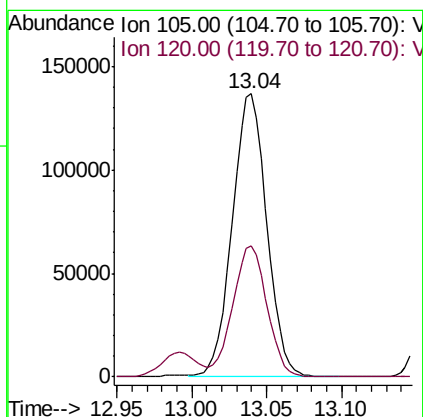
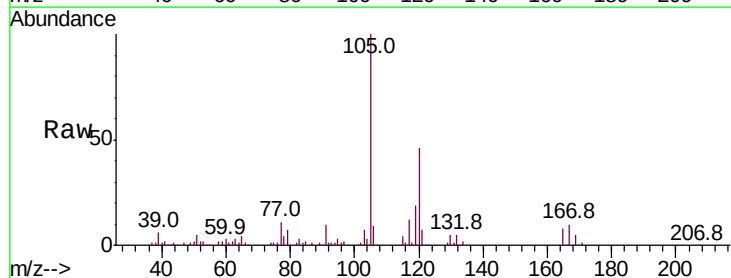
Manual Integrations
 APPROVED

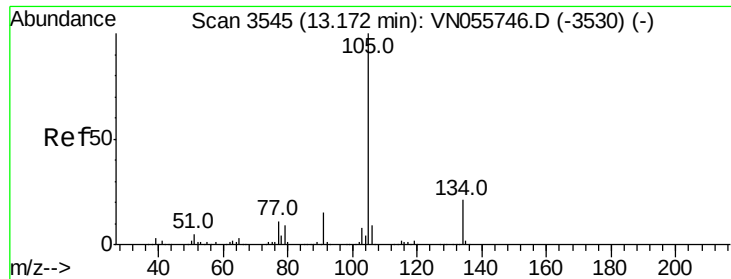
MMDadoda
 6/4/2019 11:24:53 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.943 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.0	69.0





#85

sec-Butylbenzene

Concen: 21.667 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

ClientSampled :

VN0603WBSD01

Tot Ion:105 Resp: 255050

Ion Ratio Lower Upper

105 100

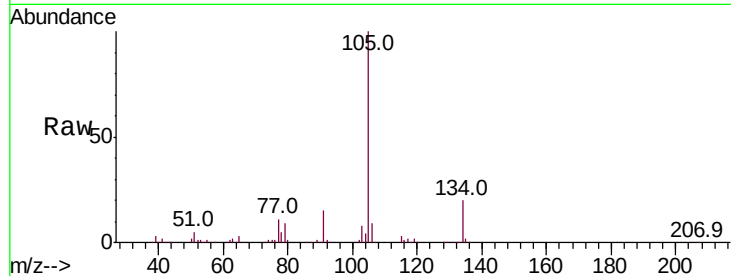
134 20.8 10.4 31.2

Manual Integrations

APPROVED

MMDadoda

6/4/2019 11:24:53 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

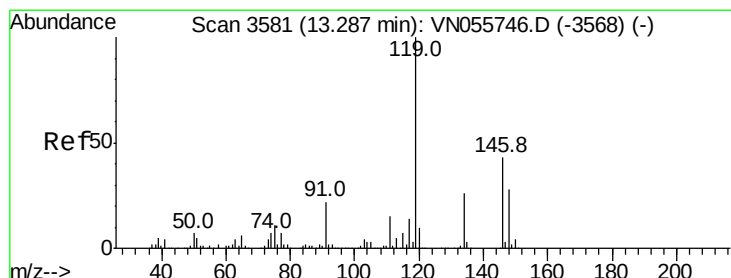
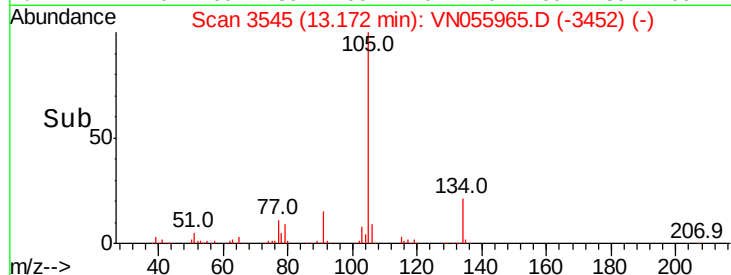
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.933 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

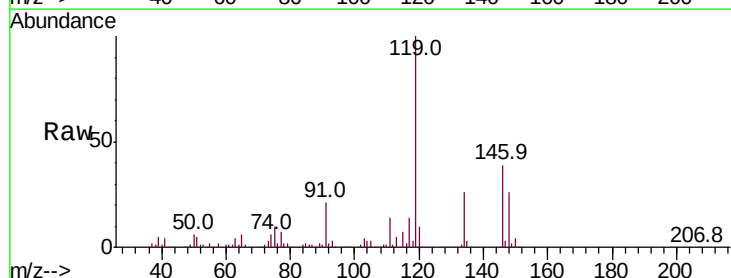
Tgt Ion:119 Resp: 227972

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

91 21.2 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

200000

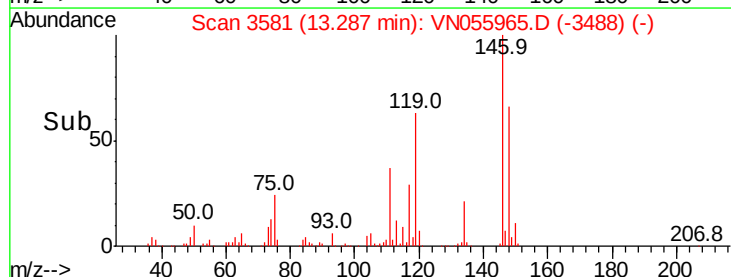
150000

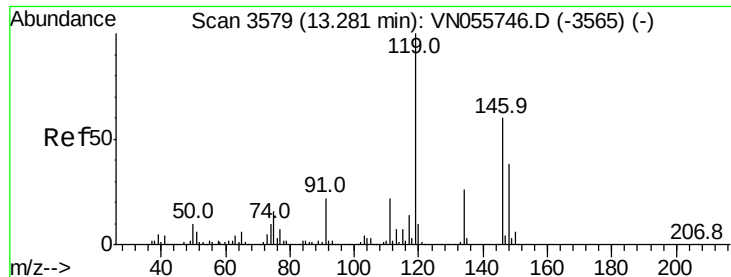
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.022 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055965.D

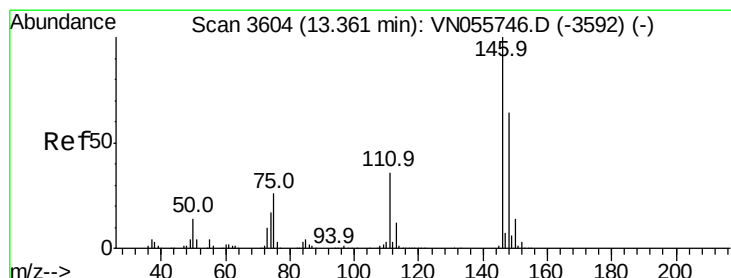
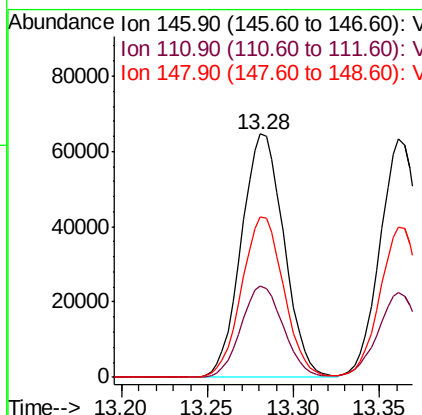
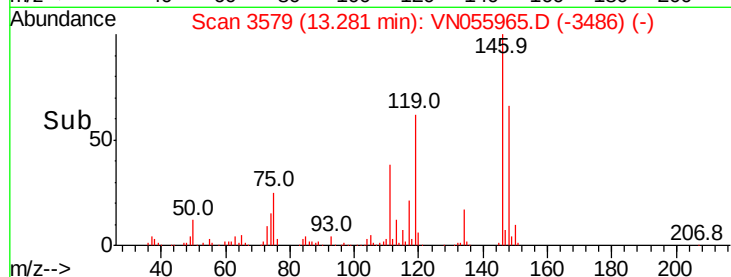
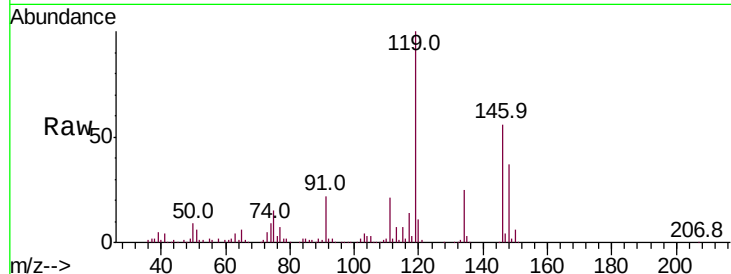
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampled :
VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.5	55.5
148	65.0	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM



#88

1,4-Dichlorobenzene

Concen: 20.099 ug/l

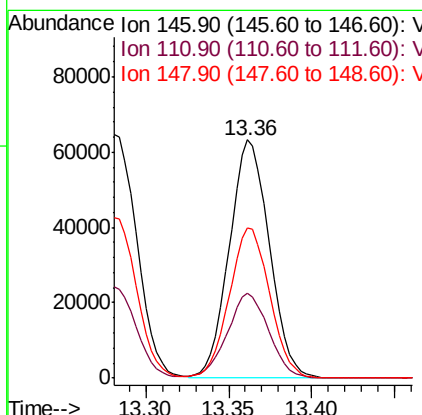
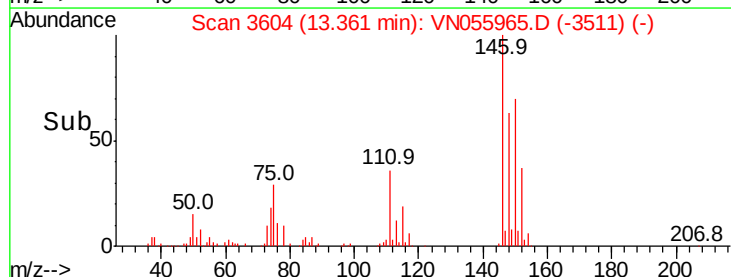
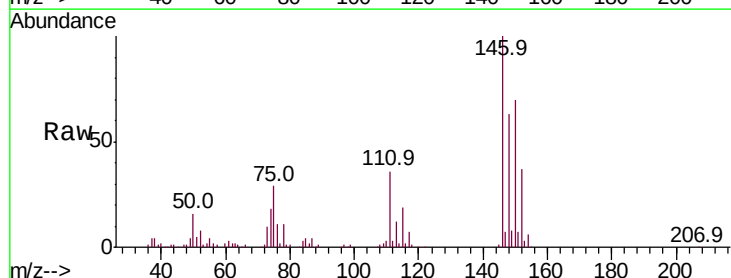
RT: 13.36 min Scan# 3604

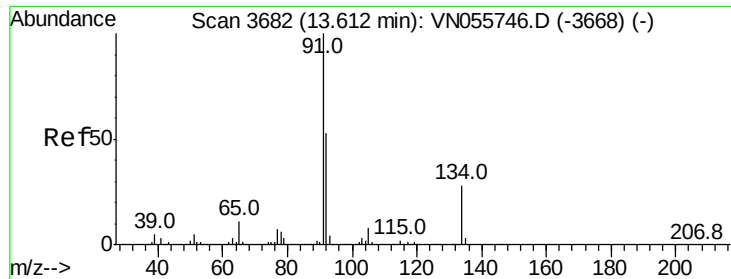
Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.4
148	63.8	32.1	96.5





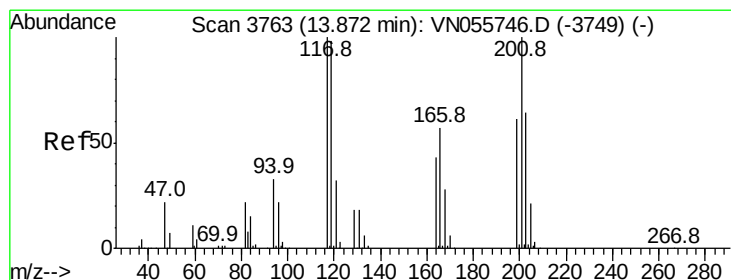
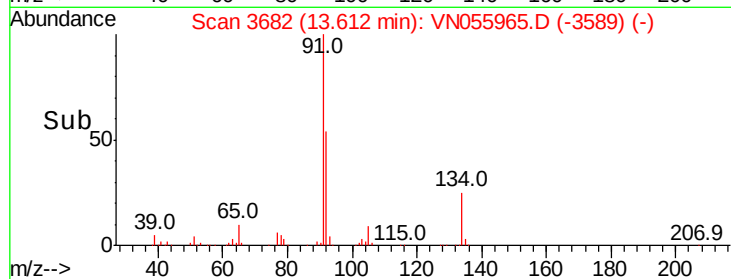
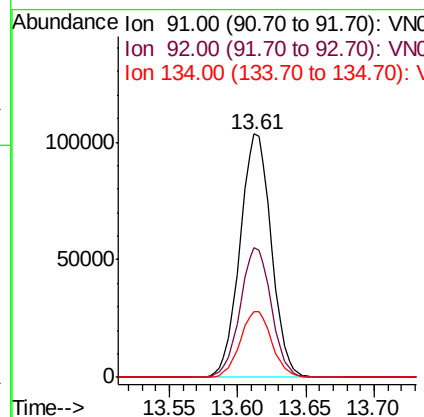
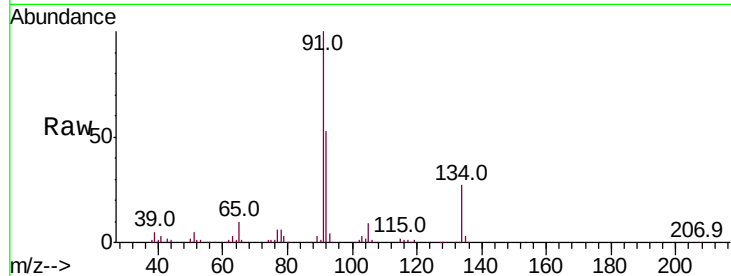
#89
n-Butylbenzene
Concen: 18.855 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	27.0	13.9	41.7

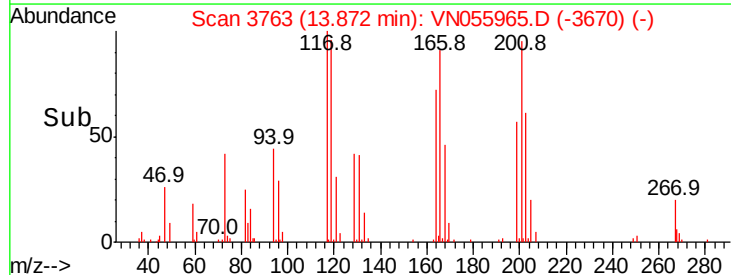
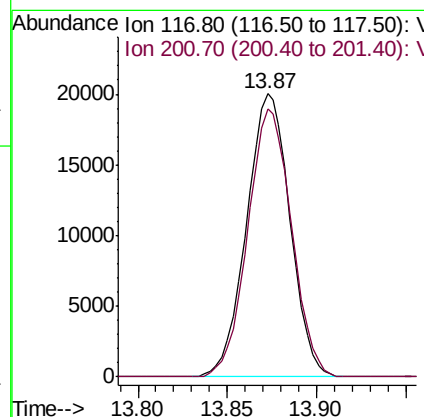
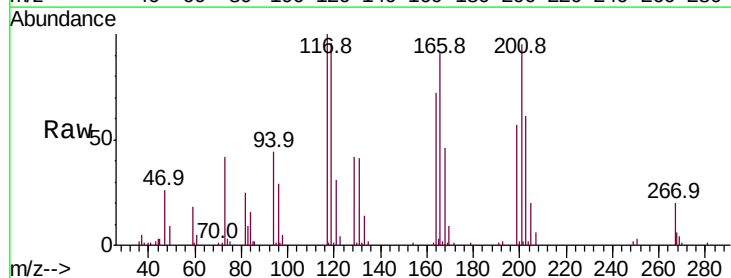
Manual Integrations
APPROVED

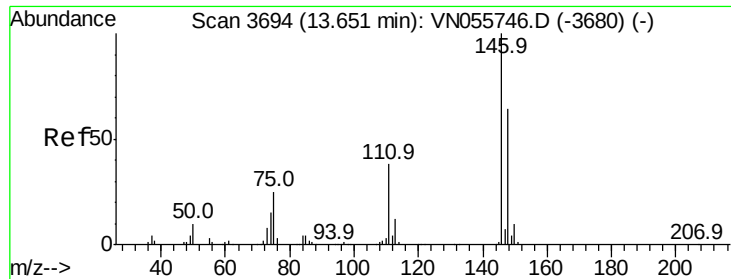
MMDadoda
6/4/2019 11:24:53 AM



#90
Hexachloroethane
Concen: 15.681 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.2	50.0	150.0





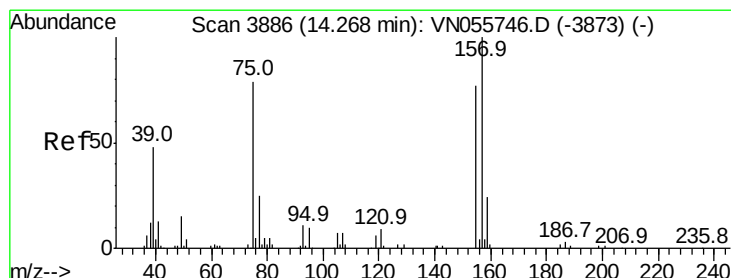
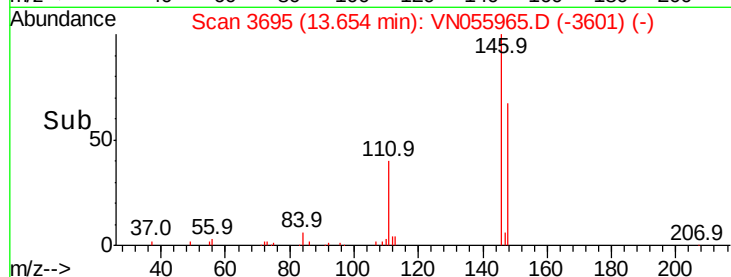
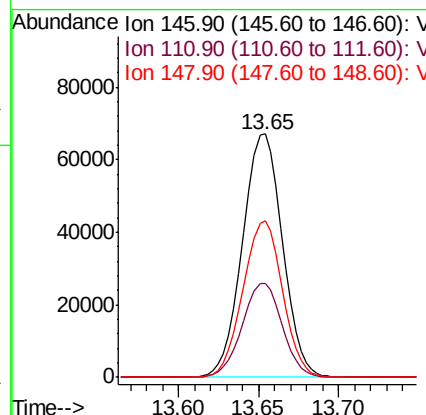
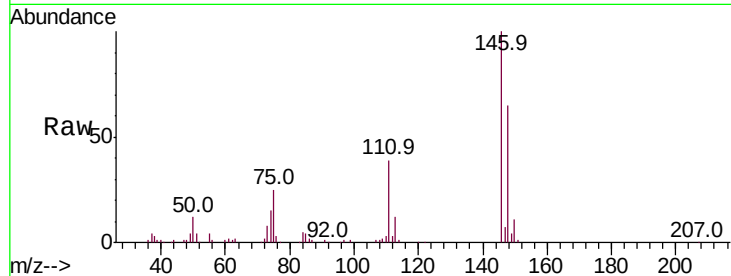
#91
 1,2-Dichlorobenzene
 Concen: 20.570 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	63.8	31.9	95.9

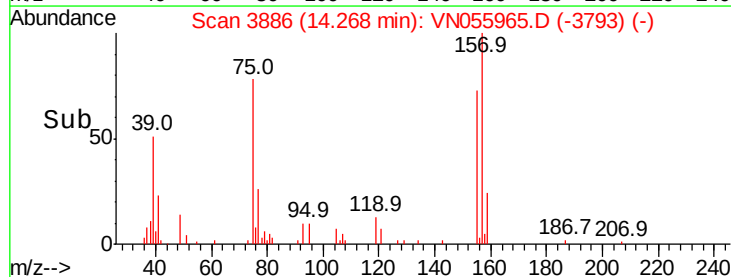
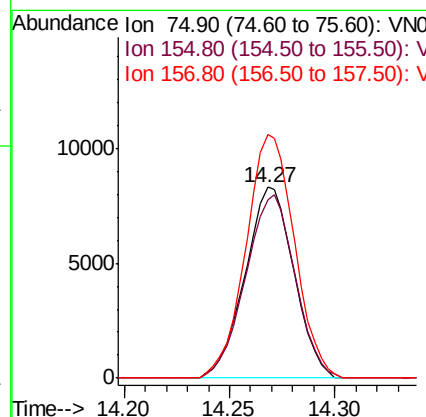
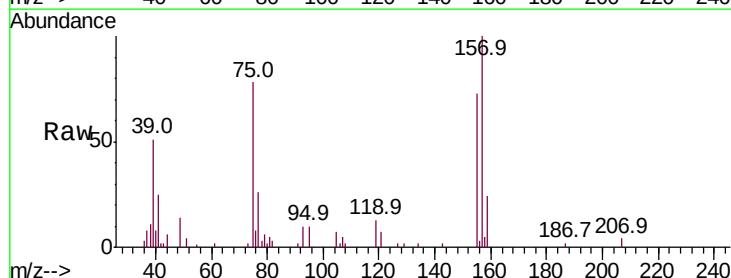
Manual Integrations
 APPROVED

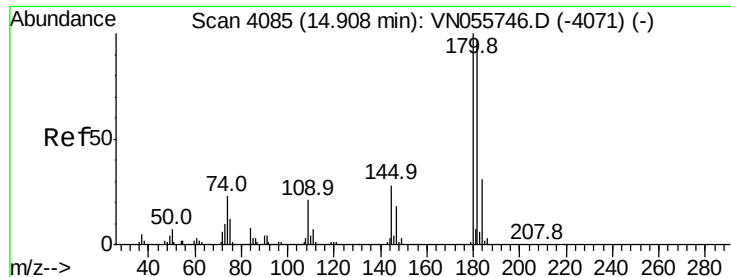
MMDadoda
 6/4/2019 11:24:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.332 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055965.D
 Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	50.0	150.1
157	126.8	64.8	194.3





#93

1,2,4-Trichlorobenzene

Concen: 17.866 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055965.D

Acq: 3 Jun 2019 16:45

Instrument :

MSVOA_N

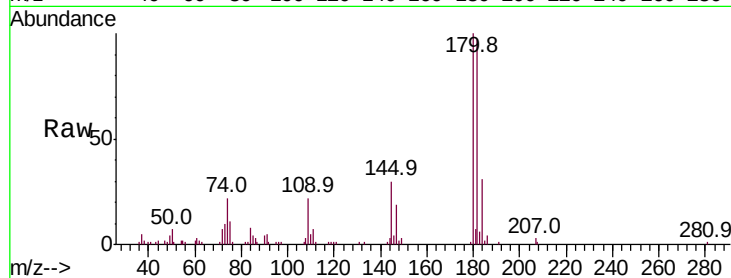
ClientSampled :

VN0603WBSD01

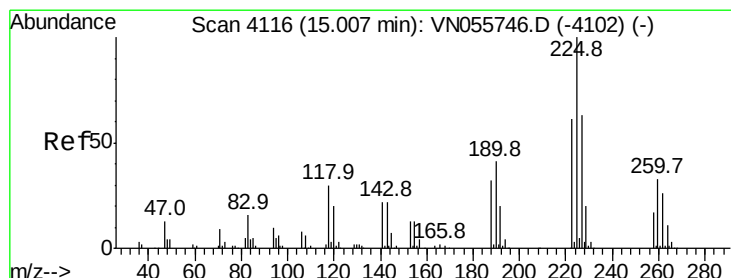
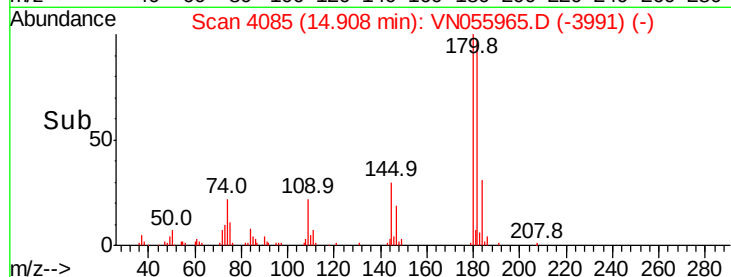
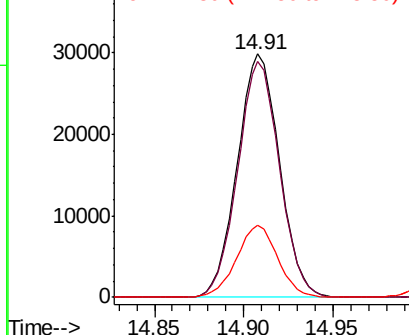
Tot Ion:	180	Resp:	49017
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.3	144.9
145	29.0	14.0	41.9

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.216 ug/l

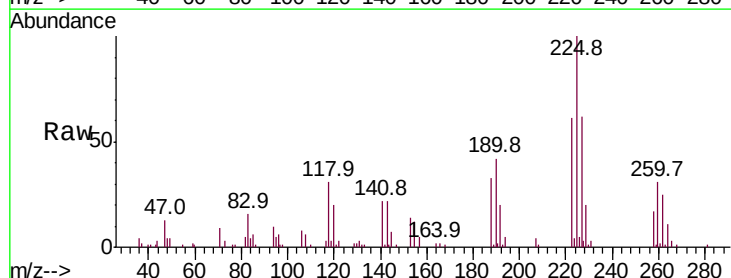
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

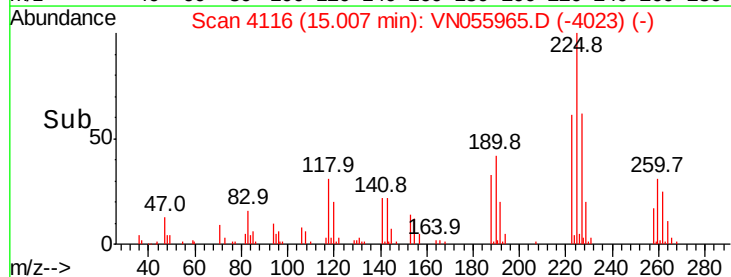
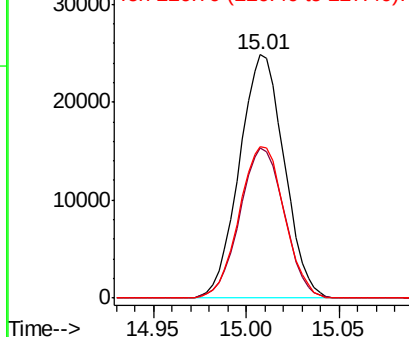
Lab File: VN055965.D

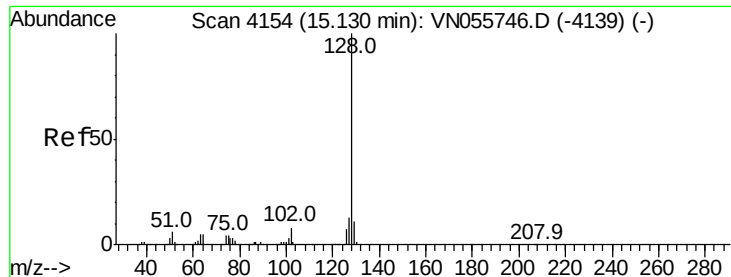
Acq: 3 Jun 2019 16:45

Tgt Ion:	225	Resp:	41626
Ion Ratio	Lower	Upper	
225	100		
223	61.4	30.9	92.7
227	62.7	31.6	94.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





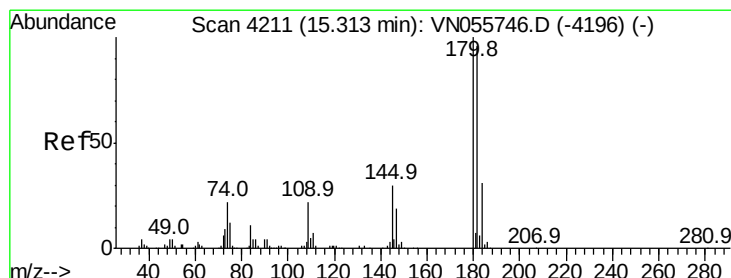
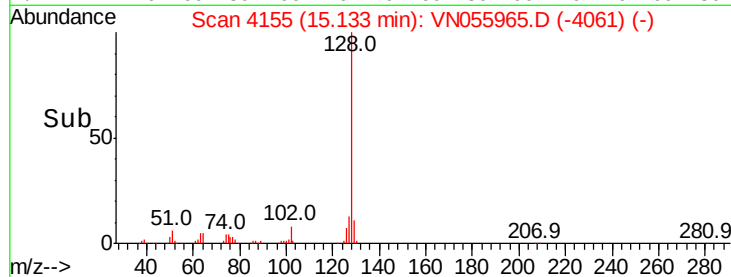
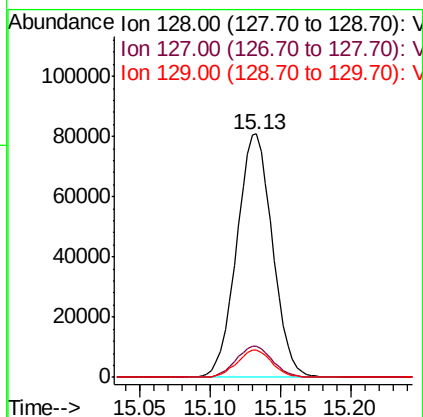
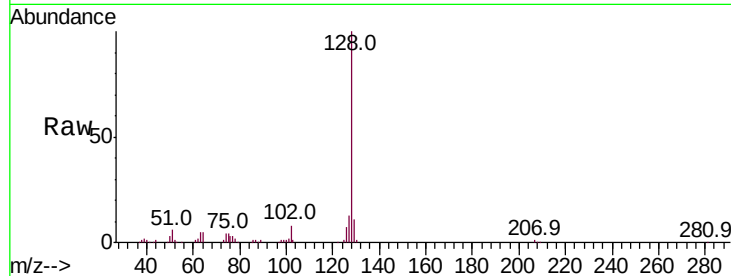
#95
Naphthalene
Concen: 18.834 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/4/2019 11:24:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.430 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055965.D
Acq: 3 Jun 2019 16:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.7
145	29.5	14.9	44.7

