

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\
 Data File : VN049738.D
 Acq On : 6 Jul 2018 14:54
 Operator : MD\SY
 Sample : VN0706MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706MBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 6:00:32 PM

Quant Time: Jul 06 17:04:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 06 11:12:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1029386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1571174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1399011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	749261	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	508295	37.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.78%	
35) Dibromofluoromethane	7.59	113	422226	35.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.90%	
50) Toluene-d8	10.09	98	1601543	34.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.66%	
62) 4-Bromofluorobenzene	12.40	95	565110	36.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	228360	19.685	ug/l	97
3) Chloromethane	2.06	50	310880	21.456	ug/l	99
4) Vinyl Chloride	2.18	62	332187	21.347	ug/l	98
5) Bromomethane	2.56	94	150979	18.470	ug/l	97
6) Chloroethane	2.70	64	208516	21.170	ug/l	98
7) Trichlorofluoromethane	3.01	101	440742	24.795	ug/l	98
8) Diethyl Ether	3.41	74	157869	21.911	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	272861	21.336	ug/l	100
10) Methyl Iodide	3.94	142	315267	19.698	ug/l	99
11) Tert butyl alcohol	4.80	59	101391	129.976	ug/l	98
12) 1,1-Dichloroethene	3.73	96	254367	21.039	ug/l	99
13) Acrolein	3.61	56	113103	155.222	ug/l	100
14) Allyl chloride	4.32	41	390614	23.520	ug/l	99
15) Acrylonitrile	5.00	53	482298	119.708	ug/l	100
16) Acetone	3.82	43	378856	135.101	ug/l	99
17) Carbon Disulfide	4.04	76	660481	19.630	ug/l	97
18) Methyl Acetate	4.33	43	268870	18.940	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	695755	22.323	ug/l	99
20) Methylene Chloride	4.55	84	364483	26.038	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	260287	20.918	ug/l	99
22) Diisopropyl ether	5.96	45	834665	22.214	ug/l	98
23) Vinyl Acetate	5.90	43	2463578	101.108	ug/l	99
24) 1,1-Dichloroethane	5.85	63	513135	21.678	ug/l	99
25) 2-Butanone	6.84	43	557298	123.490	ug/l	100
26) 2,2-Dichloropropane	6.83	77	395541	20.119	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	301170	21.668	ug/l	98
28) Bromochloromethane	7.20	49	210507	20.953	ug/l	99
29) Tetrahydrofuran	7.22	42	350692	121.922	ug/l	99
30) Chloroform	7.37	83	526617	21.825	ug/l	99
31) Cyclohexane	7.65	56	420730	20.295	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	445526	21.809	ug/l	99
36) 1,1-Dichloropropene	7.80	75	370899	20.982	ug/l	98
37) Ethyl Acetate	6.93	43	245413	23.803	ug/l	99
38) Carbon Tetrachloride	7.77	117	350894	20.407	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\
 Data File : VN049738.D
 Acq On : 6 Jul 2018 14:54
 Operator : MD\SY
 Sample : VN0706MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706MBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 6:00:32 PM

Quant Time: Jul 06 17:04:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 06 11:12:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	385211	19.876	ug/l	97
40) Benzene	8.04	78	1167179	21.624	ug/l	99
41) Methacrylonitrile	7.18	41	110960	19.092	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	380511	22.090	ug/l	98
43) Isopropyl Acetate	8.17	43	477022	22.989	ug/l	99
44) Trichloroethene	8.84	130	337785	20.751	ug/l	99
45) 1,2-Dichloropropane	9.12	63	308564	22.127	ug/l	97
46) Dibromomethane	9.21	93	189918	22.512	ug/l	98
47) Bromodichloromethane	9.40	83	397779	22.149	ug/l	100
48) Methyl methacrylate	9.20	41	214044	23.362	ug/l	100
49) 1,4-Dioxane	9.21	88	62417	506.744	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1247038	123.364	ug/l	99
52) Toluene	10.16	92	709336	21.753	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	359478	20.904	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	425931	21.192	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	273924	22.561	ug/l	99
56) Ethyl methacrylate	10.43	69	323376	22.722	ug/l	99
57) 1,3-Dichloropropane	10.71	76	447761	22.743	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	644734	93.980	ug/l	100
59) 2-Hexanone	10.75	43	817662	122.325	ug/l	98
60) Dibromochloromethane	10.90	129	293174	22.341	ug/l	99
61) 1,2-Dibromoethane	11.01	107	262625	22.575	ug/l	100
64) Tetrachloroethene	10.63	164	411528	21.724	ug/l	99
65) Chlorobenzene	11.44	112	760431	20.836	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	280969	21.426	ug/l	100
67) Ethyl Benzene	11.51	91	1263989	20.952	ug/l	99
68) m/p-Xylenes	11.62	106	1015617	43.928	ug/l	100
69) o-Xylene	11.95	106	487232	22.011	ug/l	98
70) Styrene	11.97	104	788377	22.012	ug/l	99
71) Bromoform	12.13	173	193862	22.248	ug/l #	99
73) Isopropylbenzene	12.25	105	1272341	21.319	ug/l	99
74) N-amyl acetate	12.07	43	359805	22.071	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	326999	25.704	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	294224m	24.485	ug/l	
77) Bromobenzene	12.53	156	333136	20.527	ug/l	100
78) n-propylbenzene	12.59	91	1473393	21.541	ug/l	100
79) 2-Chlorotoluene	12.68	91	909685	21.014	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1106582	22.312	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	70263	19.860	ug/l	94
82) 4-Chlorotoluene	12.78	91	912289	20.959	ug/l	100
83) tert-Butylbenzene	13.00	119	929177	21.810	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1131944	22.212	ug/l	100
85) sec-Butylbenzene	13.17	105	1248490	22.118	ug/l	100
86) p-Isopropyltoluene	13.29	119	1076568	22.019	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	596257	21.374	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	575027	21.046	ug/l	99
89) n-Butylbenzene	13.62	91	829902	19.827	ug/l	98
90) Hexachloroethane	13.88	117	100398	19.549	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	595618	21.941	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49745	23.347	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\
Data File : VN049738.D
Acq On : 6 Jul 2018 14:54
Operator : MD\SY
Sample : VN0706MBS01
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0706MBS01

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:32 PM

Quant Time: Jul 06 17:04:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 06 11:12:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	220893	17.635	ug/l	98
94) Hexachlorobutadiene	15.01	225	181503	21.537	ug/l	100
95) Naphthalene	15.14	128	461287	17.975	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	239906	19.345	ug/l	99

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

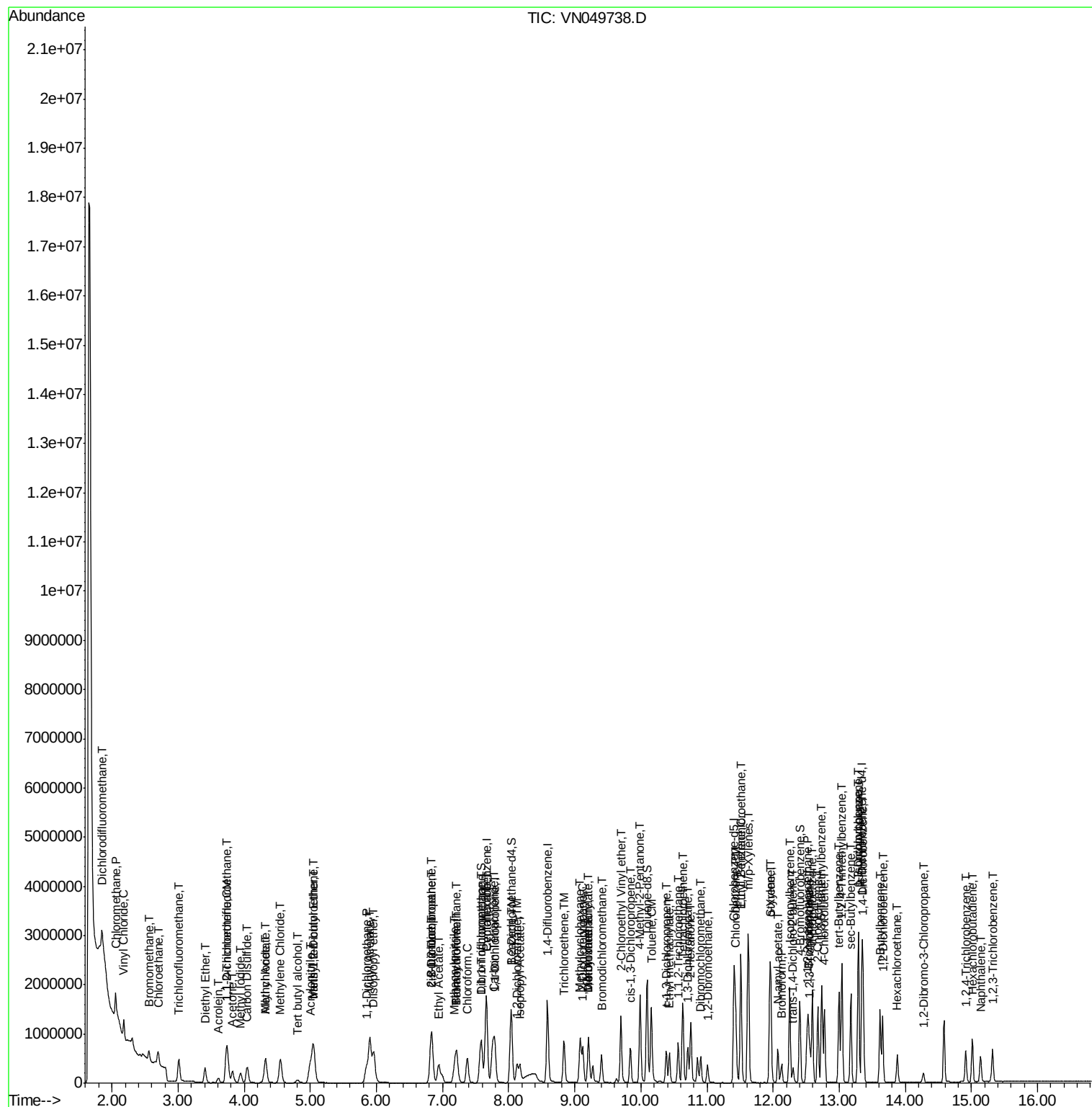
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070618\
Data File : VN049738.D
Acq On : 6 Jul 2018 14:54
Operator : MD\SY
Sample : VN0706MBS01
Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

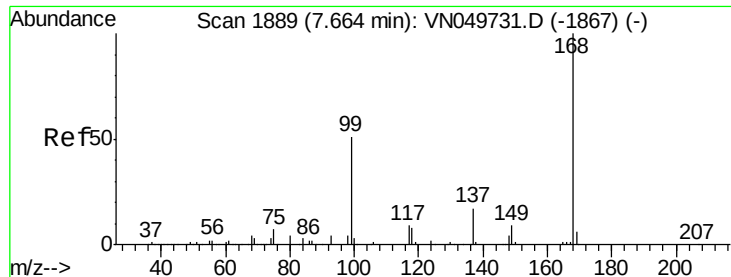
Instrument :
MSVOA_N
ClientSampleID :
VN0706MBS01

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:32 PM

Quant Time: Jul 06 17:04:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 06 11:12:18 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0706MBS01

Tot Ion:168 Resp: 1029386

Ion Ratio Lower Upper

168 100

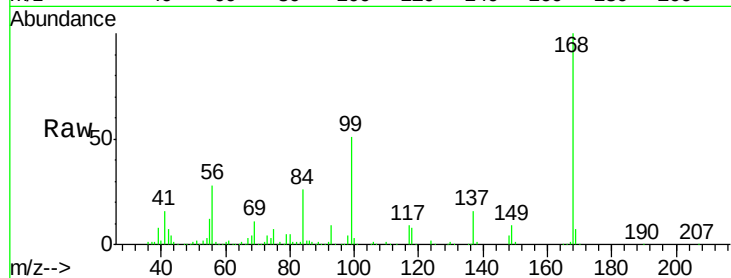
99 50.6 40.6 61.0

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:32 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

200000

100000

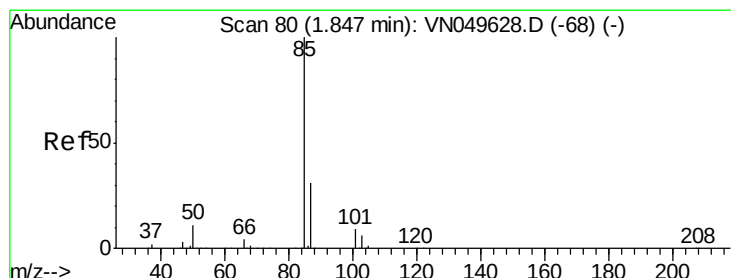
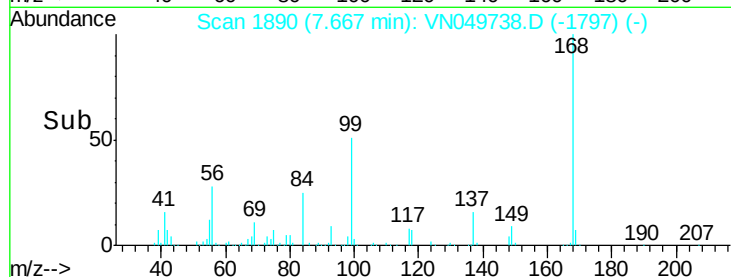
0

Time-->

7.60

7.70

7.80



#2

Dichlorodifluoromethane

Concen: 19.685 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049738.D

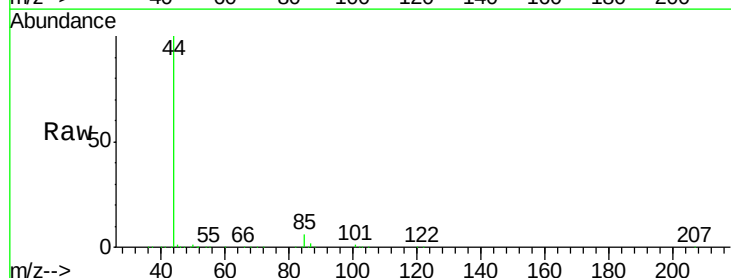
Acq: 6 Jul 2018 14:54

Tgt Ion: 85 Resp: 228360

Ion Ratio Lower Upper

85 100

87 32.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

100000

50000

0

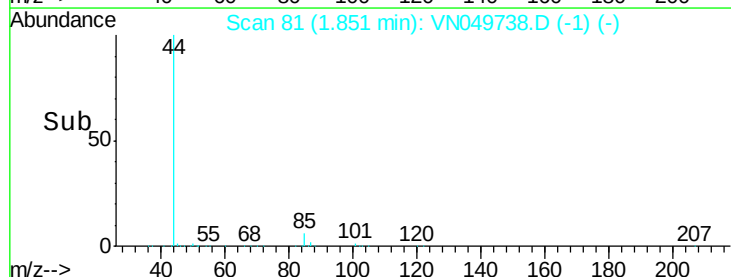
Time-->

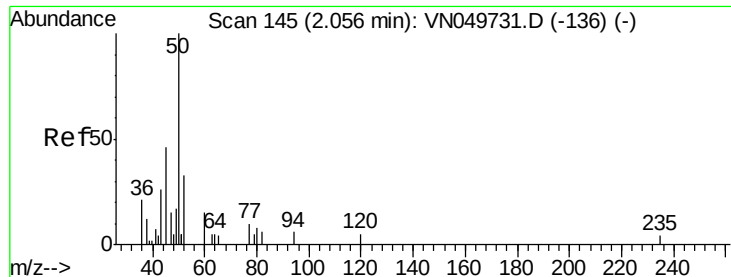
1.80

1.85

1.90

1.95





#3

Chloromethane

Concen: 21.456 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

ClientSampled :

VN0706MBS01

Tot Ion: 50 Resp: 310880

Ion Ratio Lower Upper

50 100

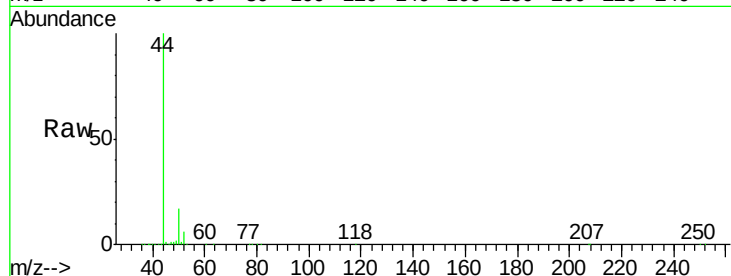
52 32.3 26.1 39.1

Manual Integrations

APPROVED

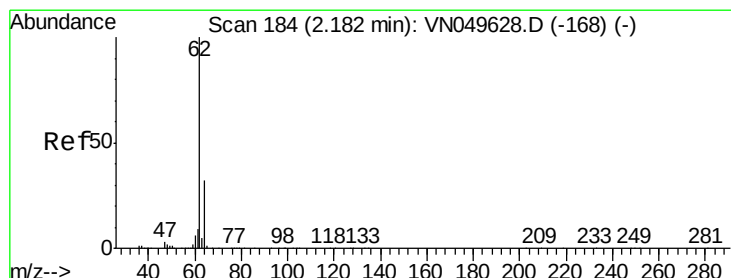
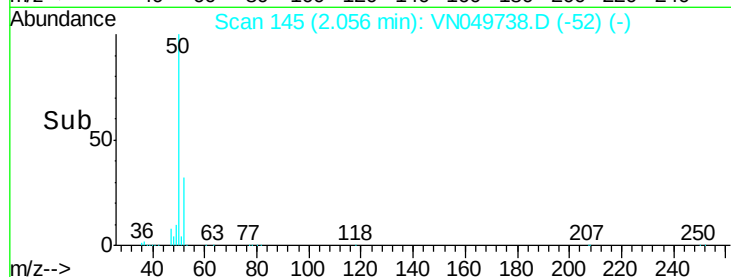
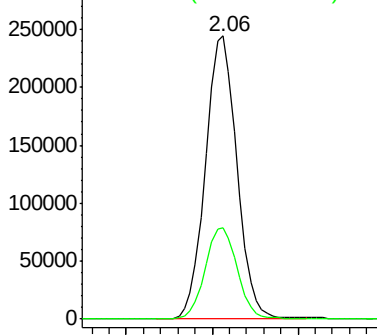
MMDadoda

7/9/2018 6:00:32 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.347 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN049738.D

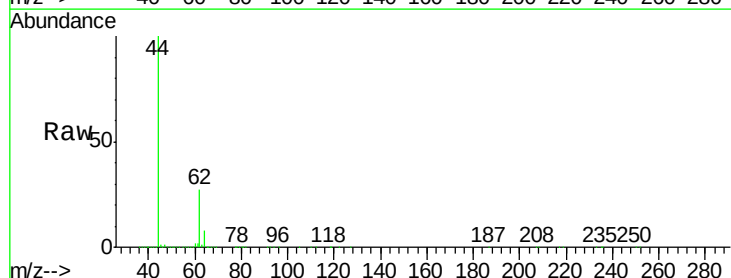
Acq: 6 Jul 2018 14:54

Tgt Ion: 62 Resp: 332187

Ion Ratio Lower Upper

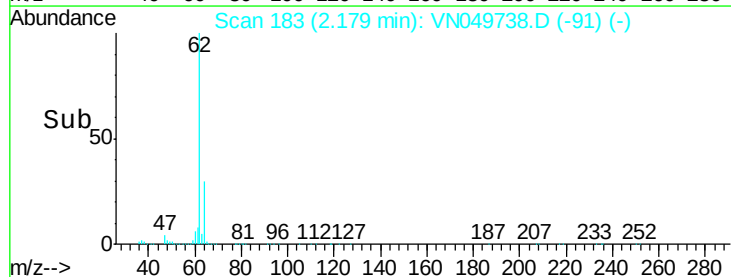
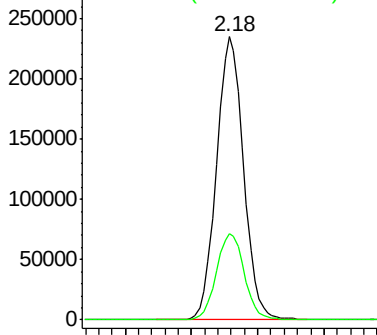
62 100

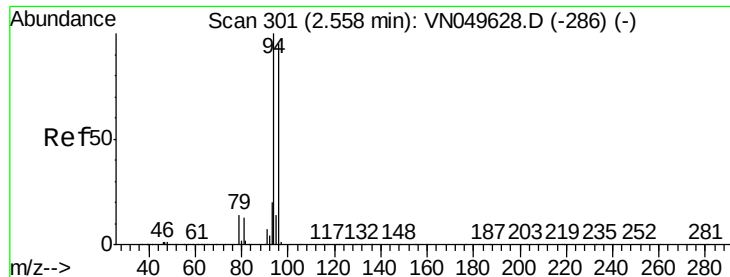
64 30.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.470 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0706MBS01

Tot Ion: 94 Resp: 150979

Ion Ratio Lower Upper

94 100

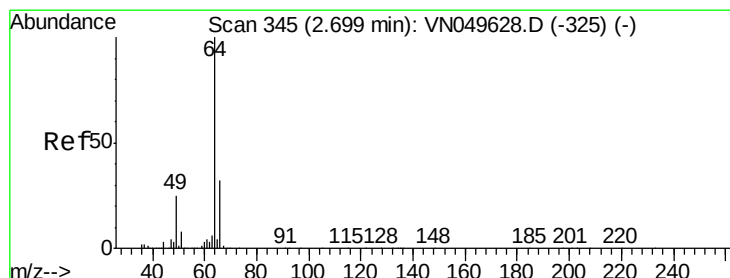
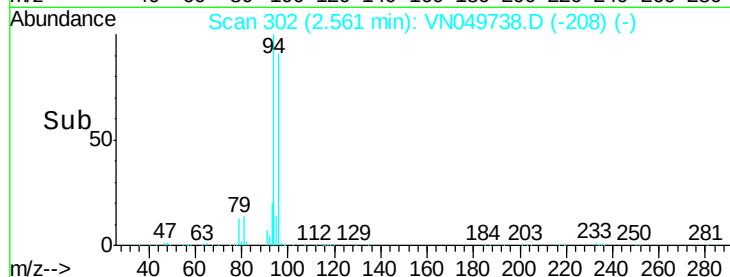
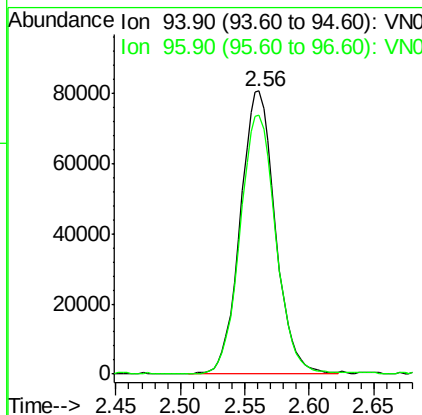
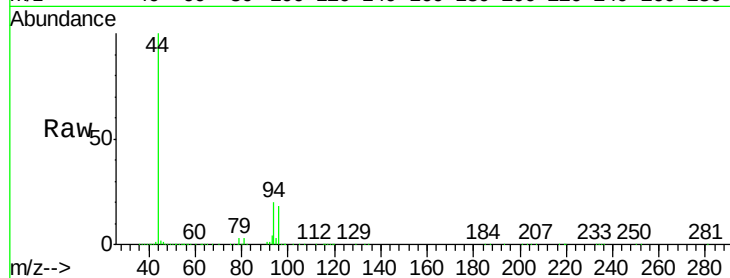
96 91.3 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:32 PM



#6

Chloroethane

Concen: 21.170 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN049738.D

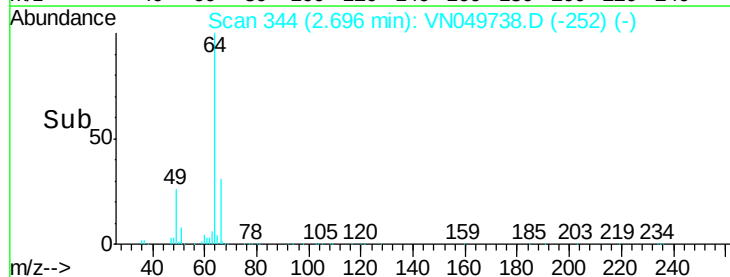
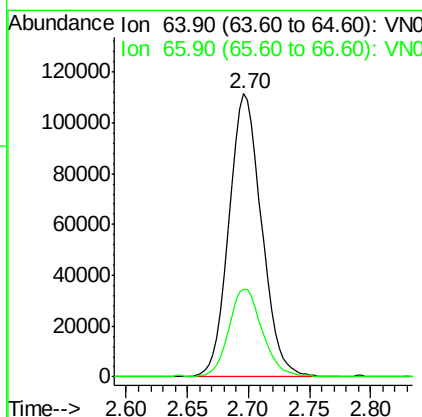
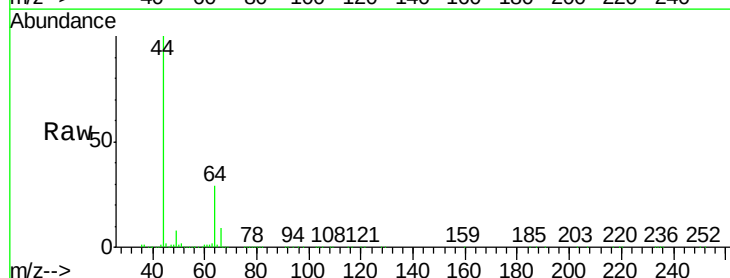
Acq: 6 Jul 2018 14:54

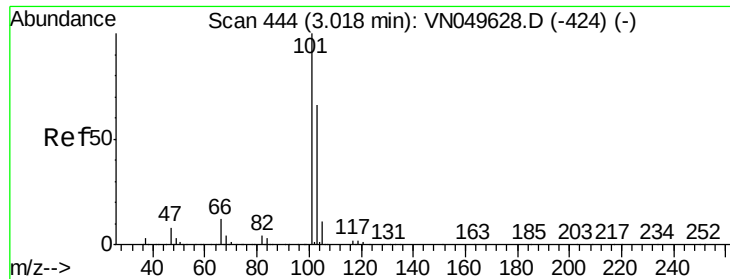
Tgt Ion: 64 Resp: 208516

Ion Ratio Lower Upper

64 100

66 30.9 25.6 38.4





#7

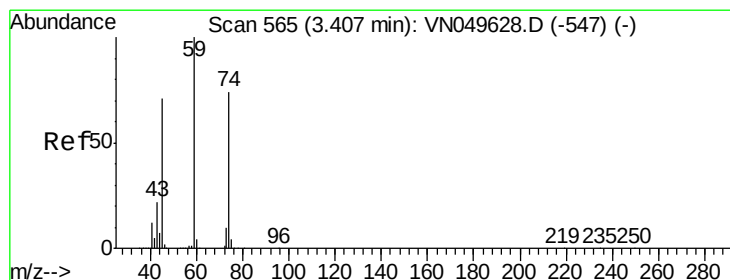
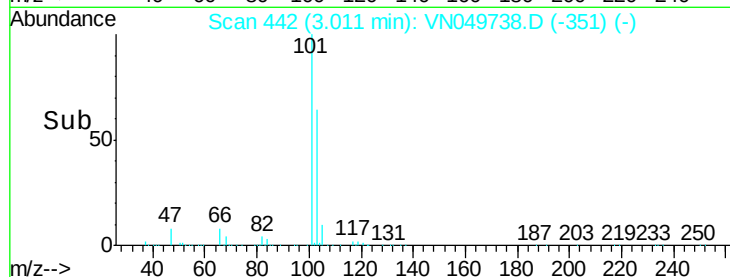
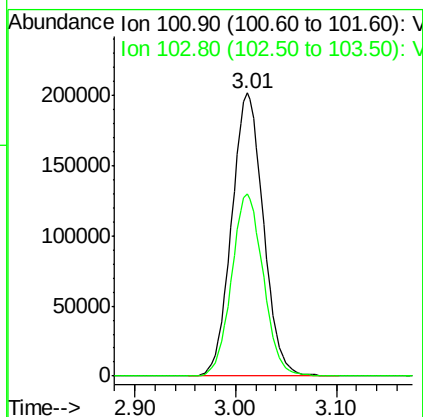
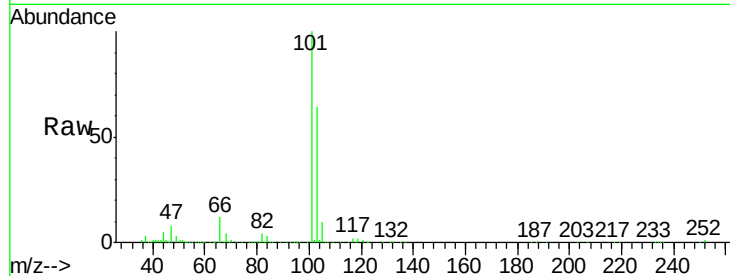
Trichlorofluoromethane
Concen: 24.795 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.01 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VN0706MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.8	79.2

Manual Integrations
APPROVED

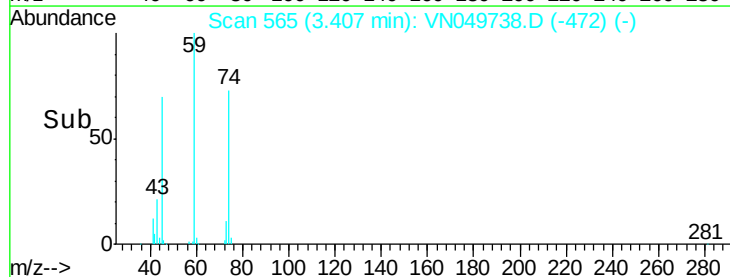
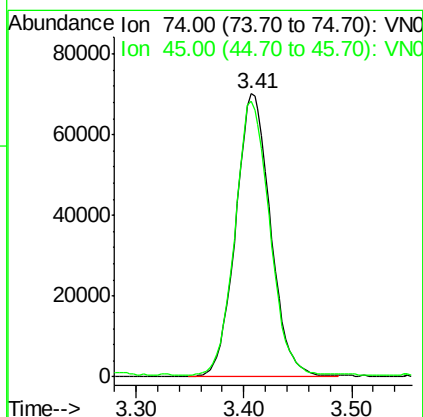
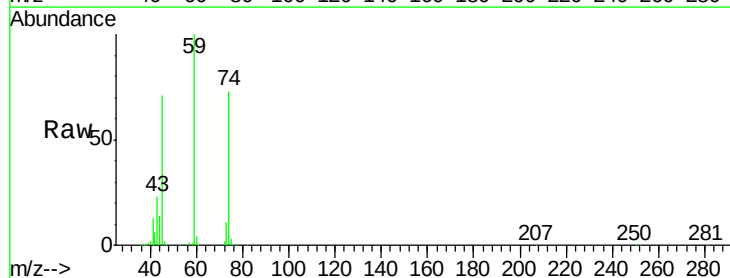
MMDadoda
7/9/2018 6:00:32 PM

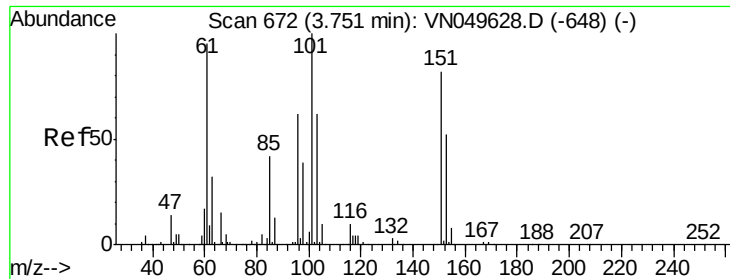


#8

Diethyl Ether
Concen: 21.911 ug/l
RT: 3.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.336 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

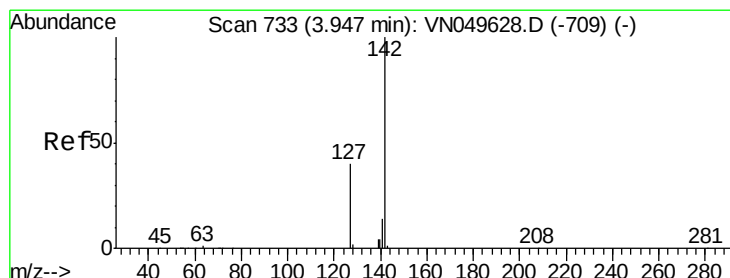
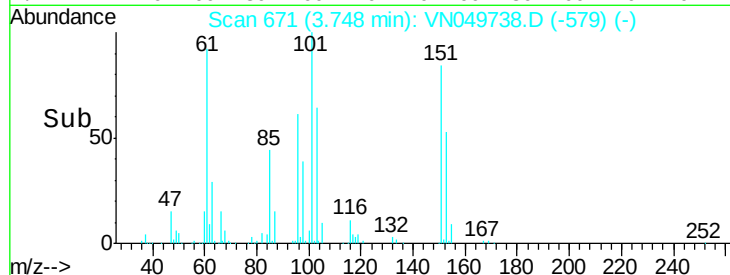
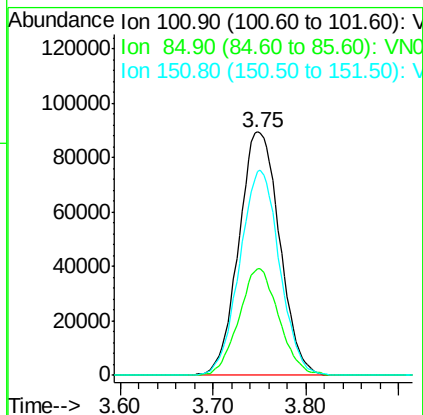
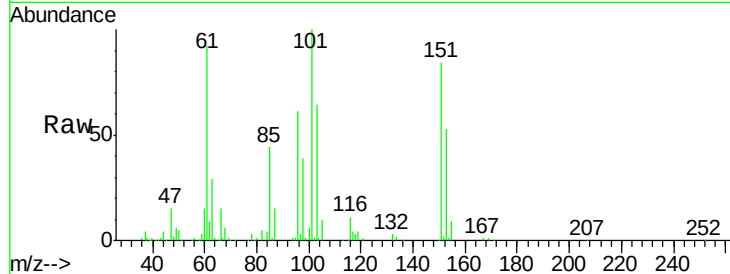
ClientSampleId :

VN0706MBS01

Tot Ion:	101	Resp:	272861
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	82.2	66.2	99.4

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:32 PM



#10

Methyl Iodide

Concen: 19.698 ug/l

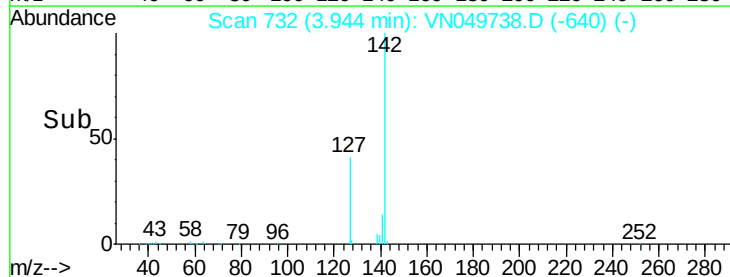
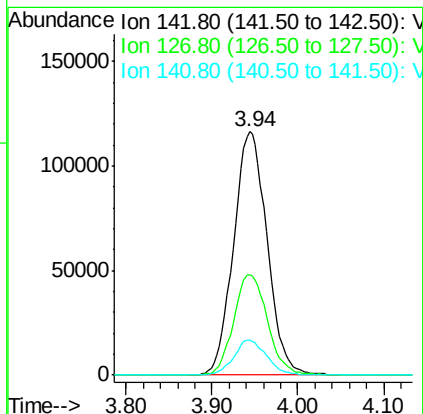
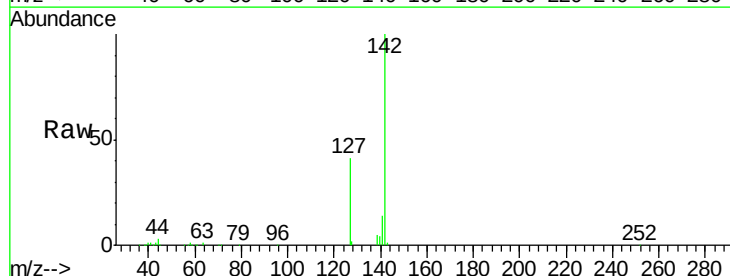
RT: 3.94 min Scan# 732

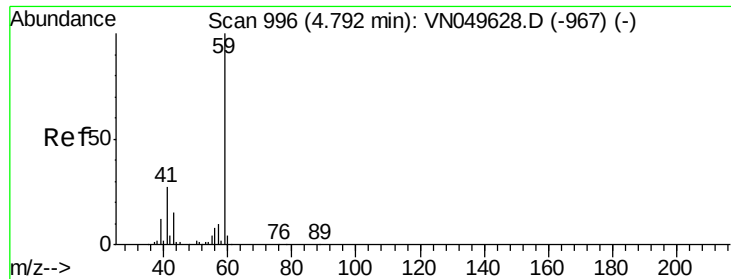
Delta R.T. -0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Tgt Ion:	142	Resp:	315267
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.5	48.7
141	14.0	11.1	16.7





#11

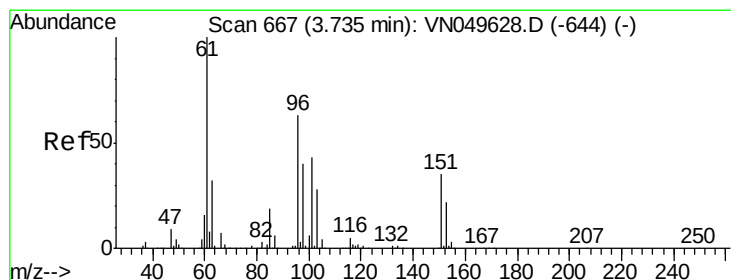
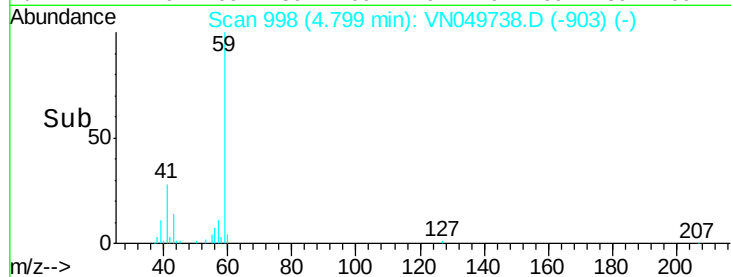
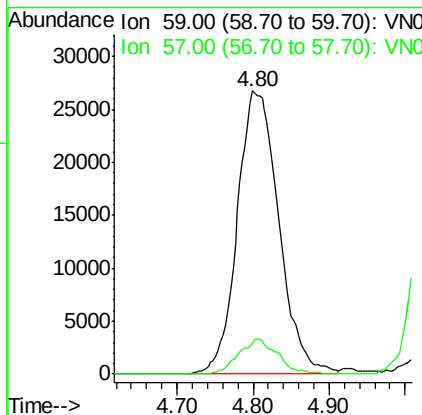
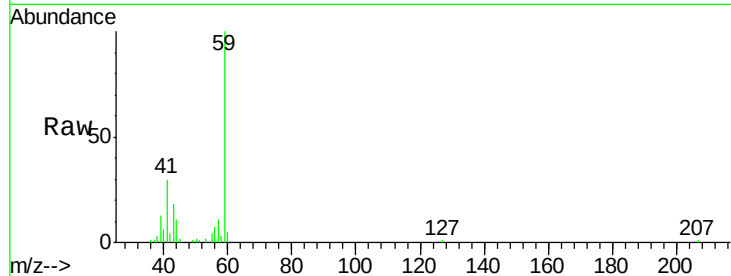
Tert butyl alcohol
Concen: 129.976 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.01 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VN0706MBS01

Tot Ion	59	Resp	101391
Ion Ratio	59	100	
Lower	57	11.5	8.5
Upper			12.7

Manual Integrations
APPROVED

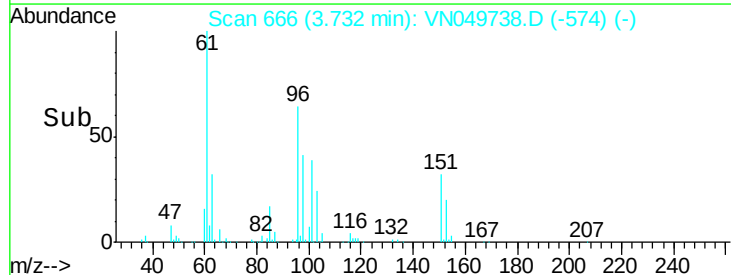
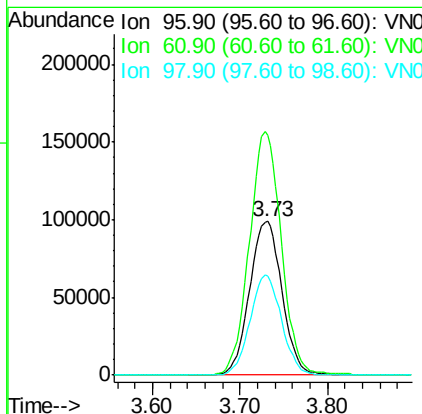
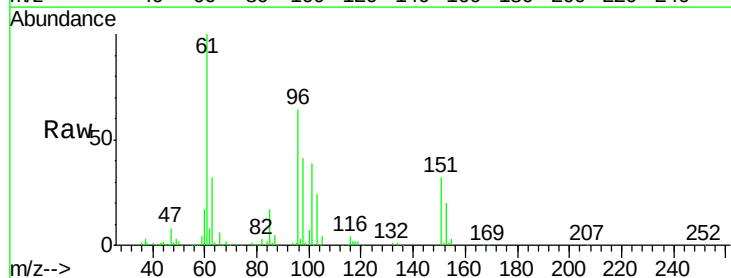
MMDadoda
7/9/2018 6:00:32 PM

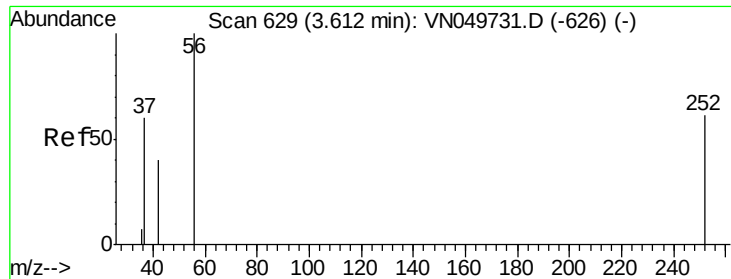


#12

1,1-Dichloroethene
Concen: 21.039 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion	96	Resp	254367
Ion Ratio	96	100	
Lower	61	156.0	126.5
Upper	98	64.7	51.0
			76.6





#13

Acrolein

Concen: 155.222 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

ClientSampled :

VN0706MBS01

Tot Ion: 56 Resp: 113103

Ion Ratio Lower Upper

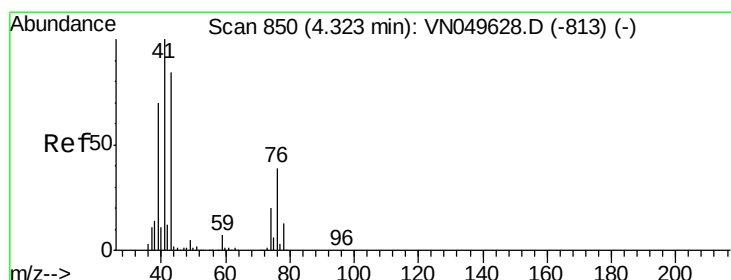
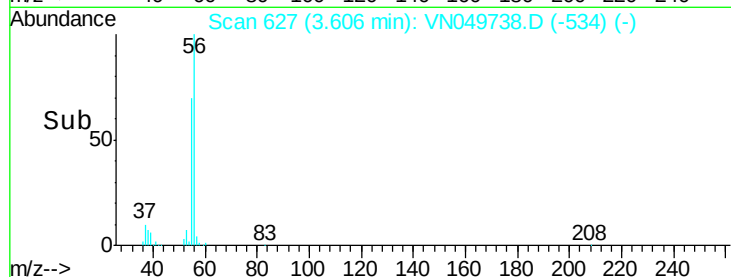
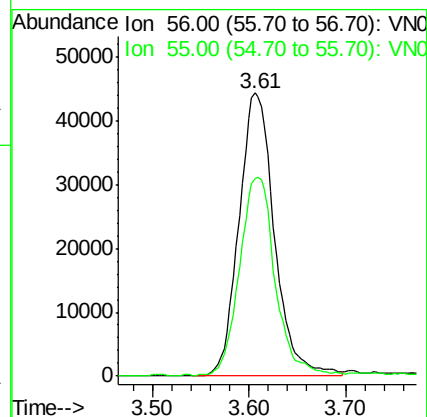
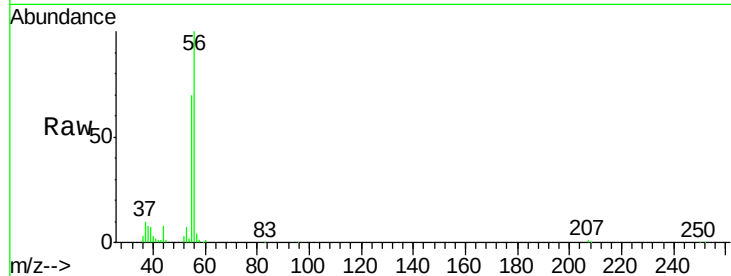
56 100

55 69.5 55.8 83.8

Manual Integrations
APPROVED

MMDadoda

7/9/2018 6:00:32 PM



#14

Allyl chloride

Concen: 23.520 ug/l

RT: 4.32 min Scan# 848

Delta R.T. -0.01 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

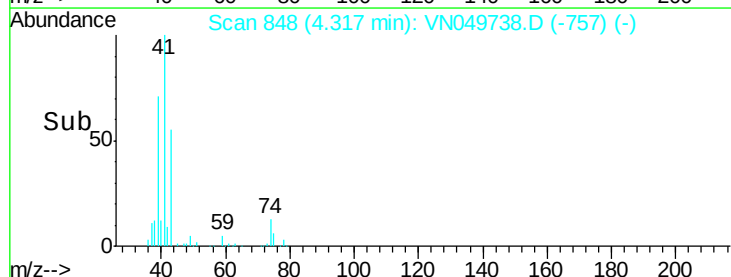
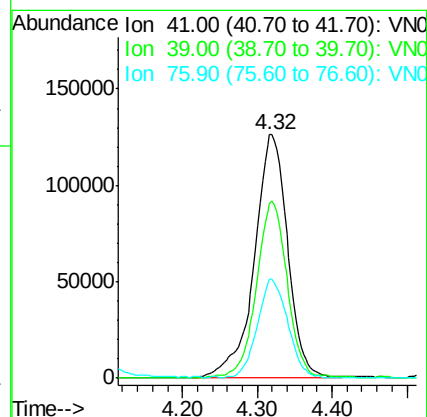
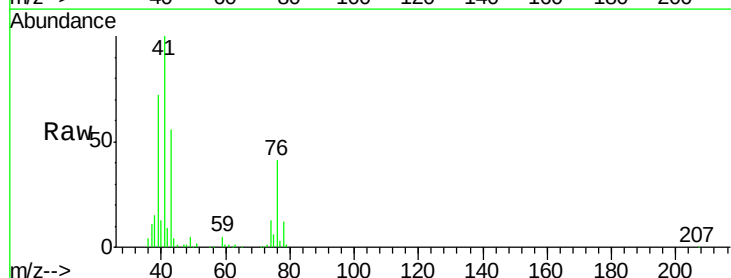
Tgt Ion: 41 Resp: 390614

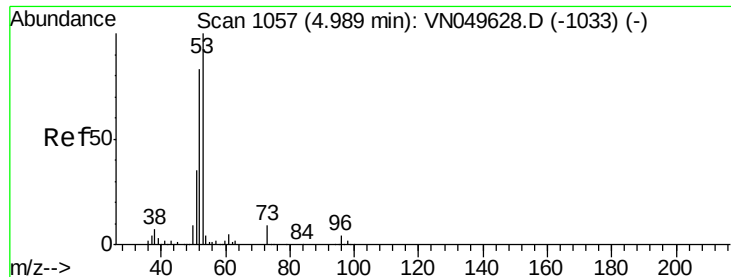
Ion Ratio Lower Upper

41 100

39 66.9 53.2 79.8

76 37.5 29.0 43.6





#15

Acrylonitrile

Concen: 119.708 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

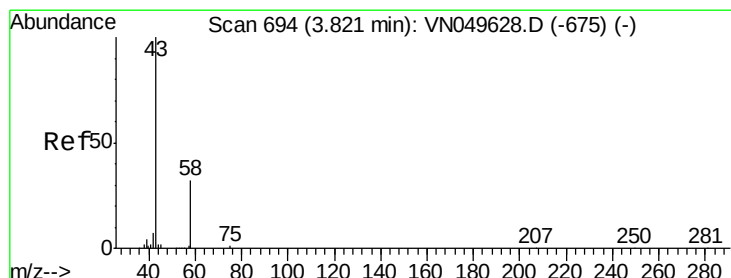
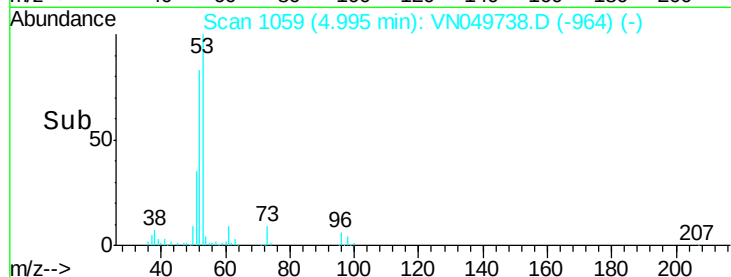
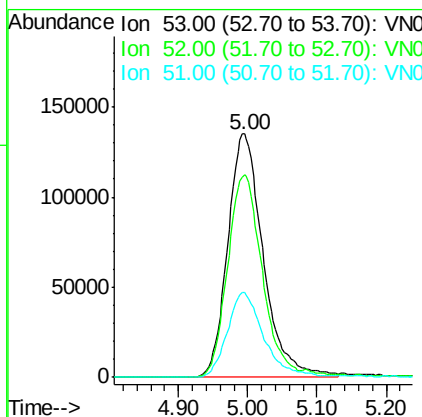
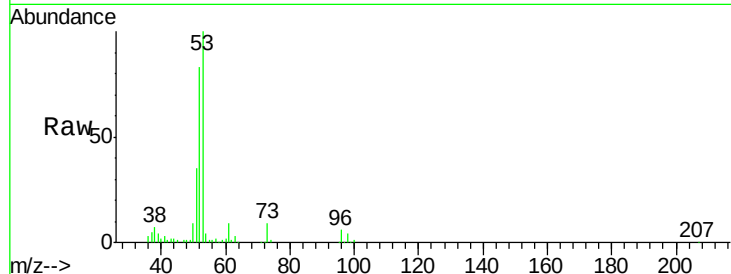
ClientSampleId :

VN0706MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.6	64.8	97.2
51	36.0	28.9	43.3

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:32 PM



#16

Acetone

Concen: 135.101 ug/l

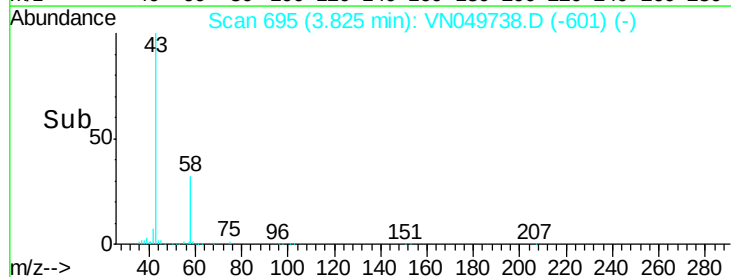
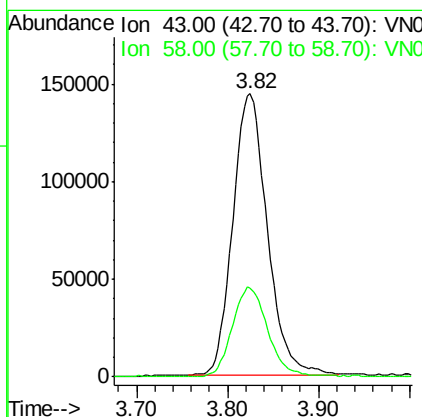
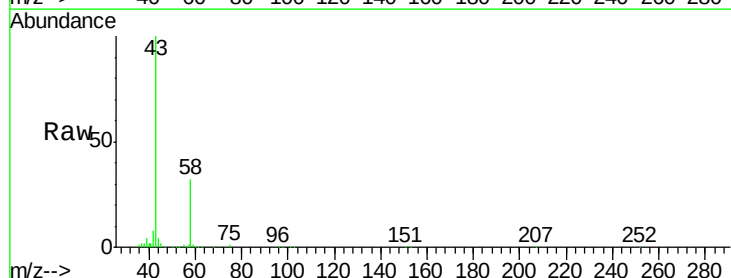
RT: 3.82 min Scan# 695

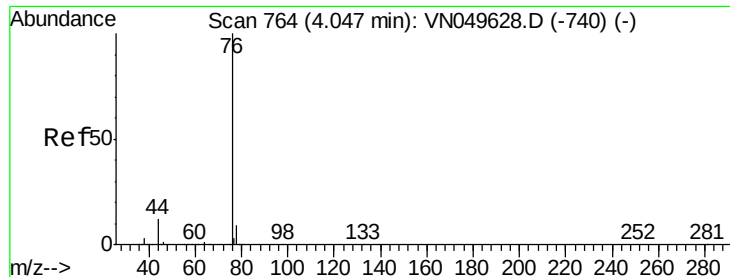
Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.9	38.9





#17

Carbon Disulfide

Concen: 19.630 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

ClientSampled :

VN0706MBS01

Tot Ion: 76 Resp: 660481

Ion Ratio Lower Upper

76 100

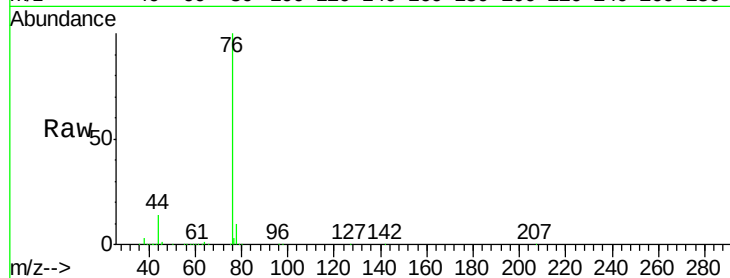
78 10.0 7.1 10.7

Manual Integrations

APPROVED

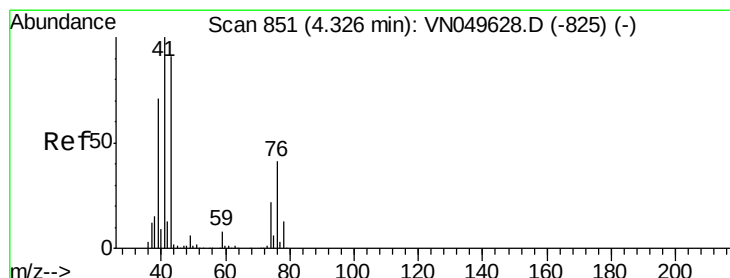
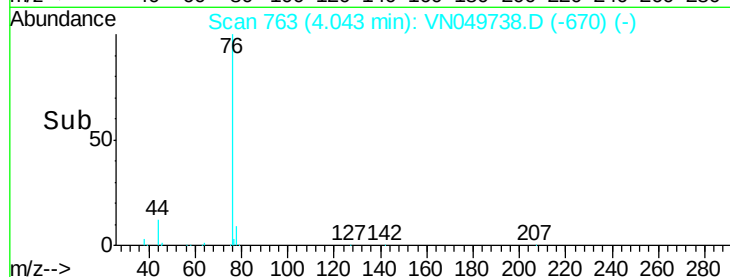
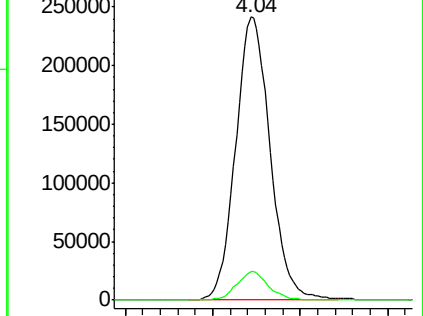
MMDadoda

7/9/2018 6:00:32 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.940 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049738.D

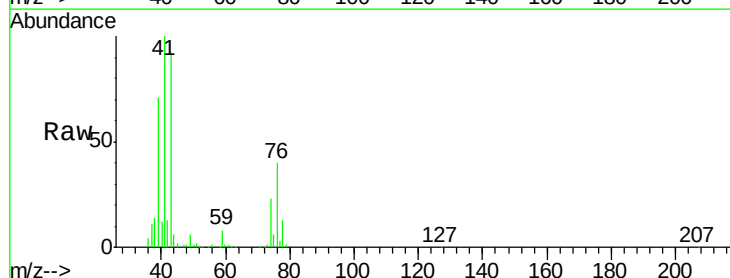
Acq: 6 Jul 2018 14:54

Tgt Ion: 43 Resp: 268870

Ion Ratio Lower Upper

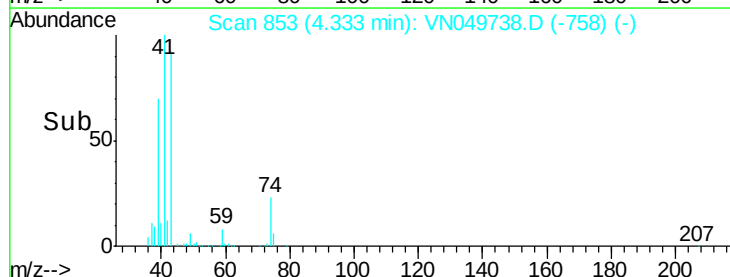
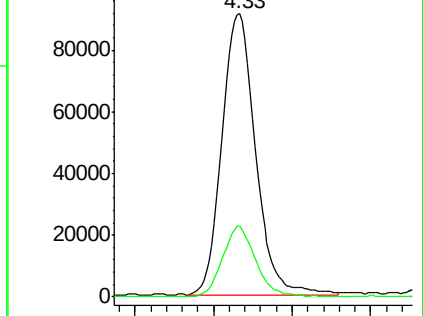
43 100

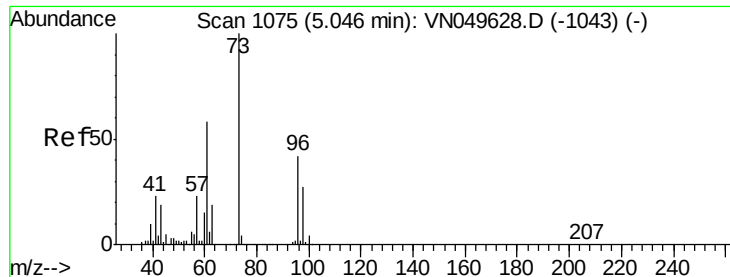
74 24.7 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

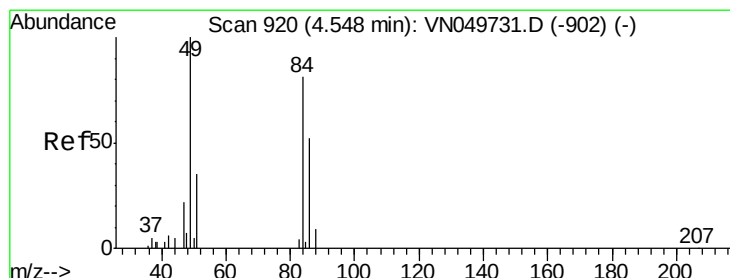
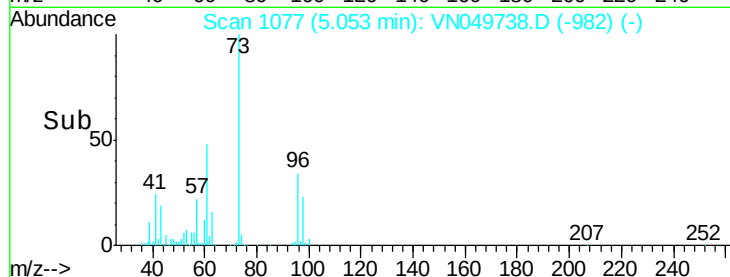
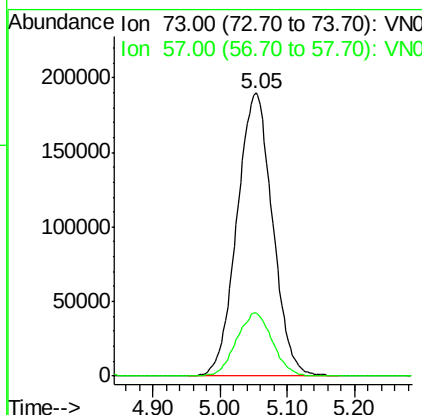
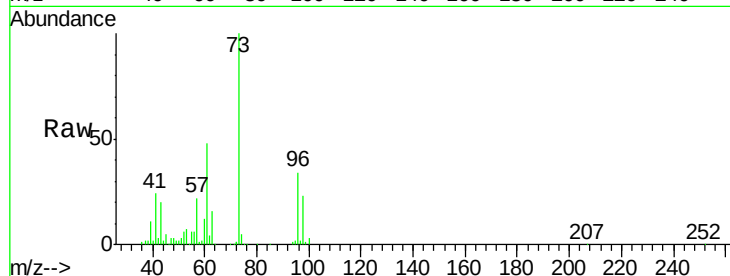
Methyl tert-butyl Ether
 Concen: 22.323 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.01 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.1	27.1

Manual Integrations
 APPROVED

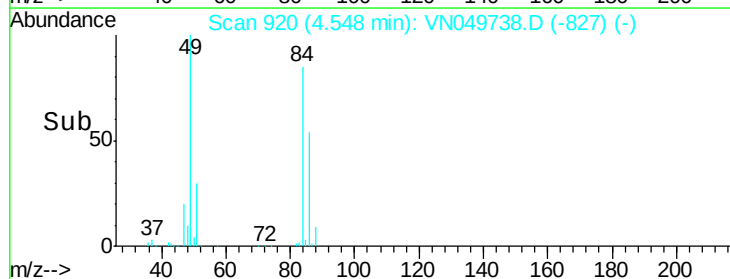
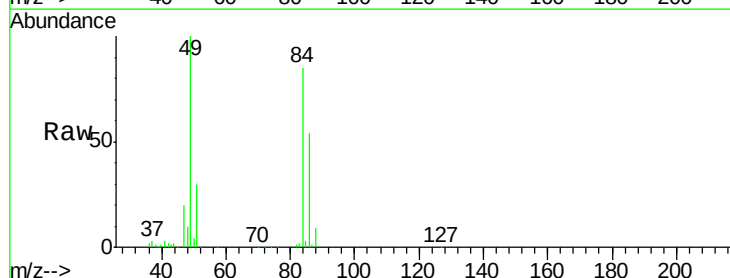
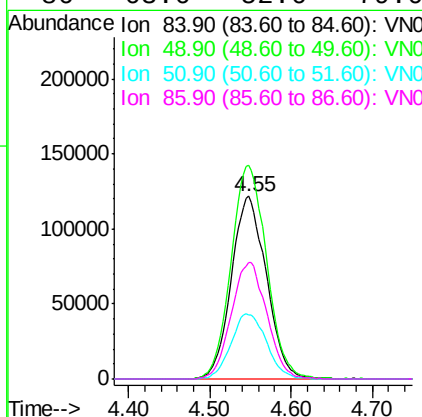
MMDadoda
 7/9/2018 6:00:32 PM

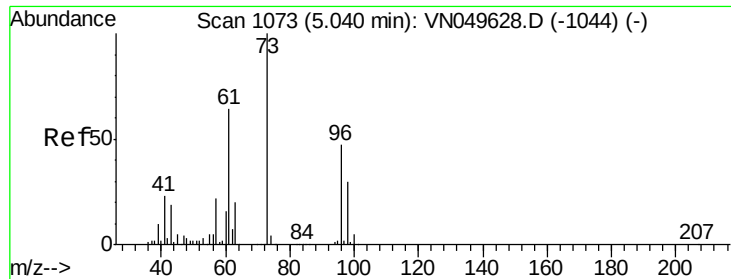


#20

Methylene Chloride
 Concen: 26.038 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.0	95.4	143.2
51	35.4	28.4	42.6
86	63.6	52.6	79.0





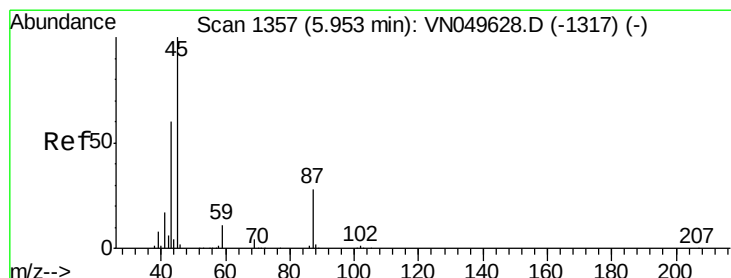
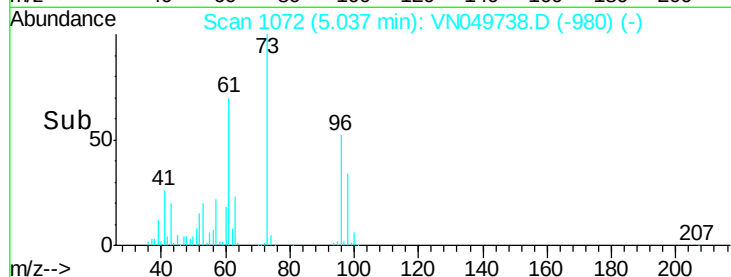
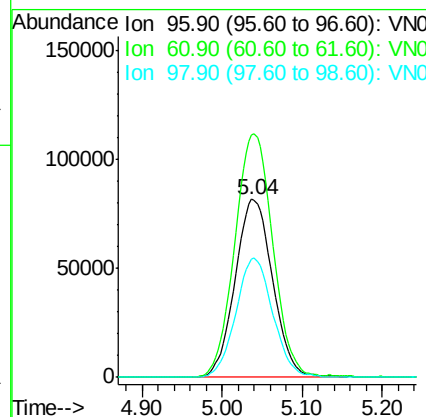
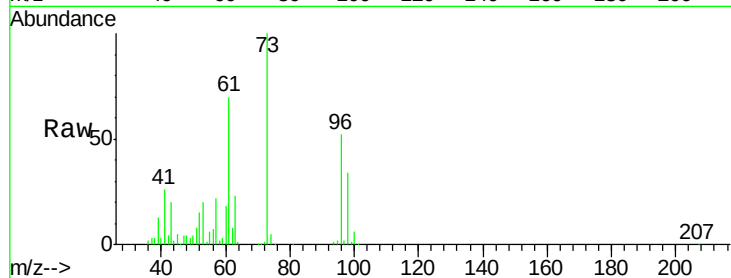
#21
trans-1,2-Dichloroethene
Concen: 20.918 ug/l
RT: 5.04 min Scan# 1072
Delta R.T. -0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampled :
VN0706MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.9	109.0	163.6
98	66.3	51.1	76.7

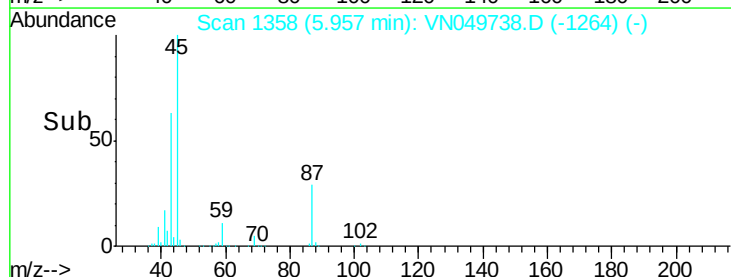
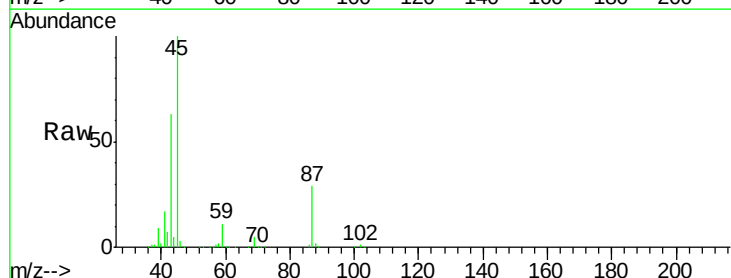
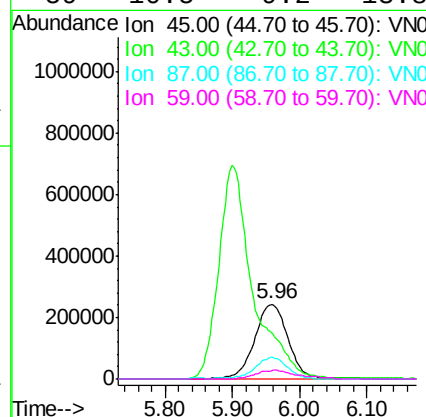
Manual Integrations
APPROVED

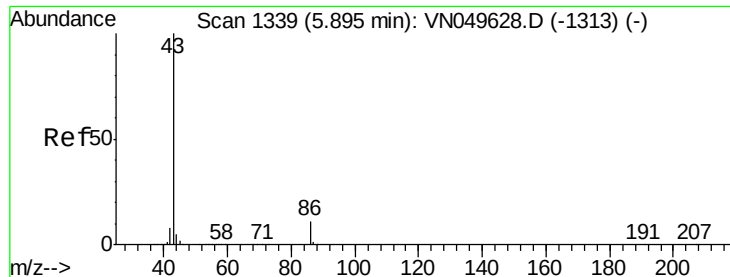
MMDadoda
7/9/2018 6:00:32 PM



#22
Diisopropyl ether
Concen: 22.214 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.6	48.1	72.1
87	28.2	22.6	34.0
59	10.5	9.2	13.8





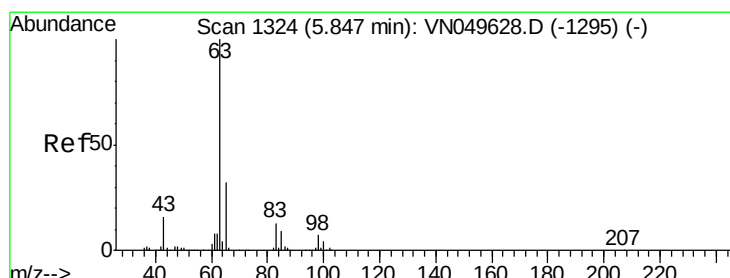
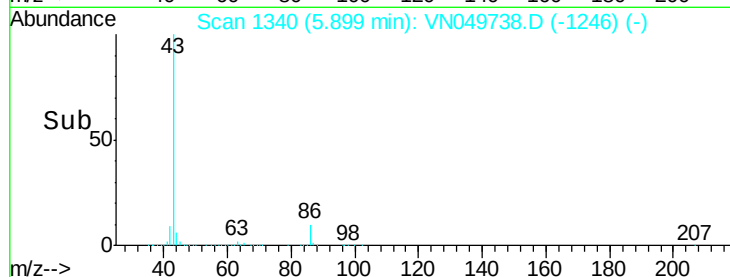
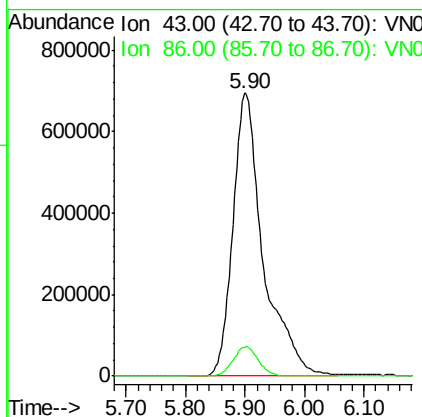
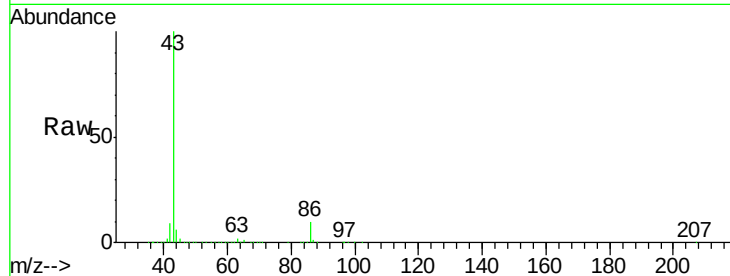
#23
 Vinyl Acetate
 Concen: 101.108 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706MBS01

Tot Ion: 43 Resp: 2463578
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.4 12.6

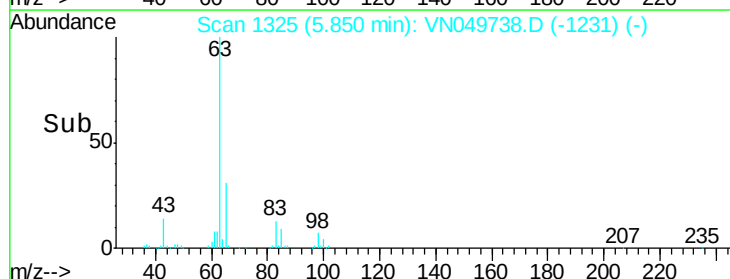
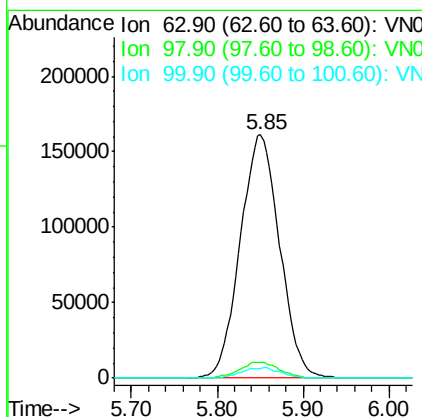
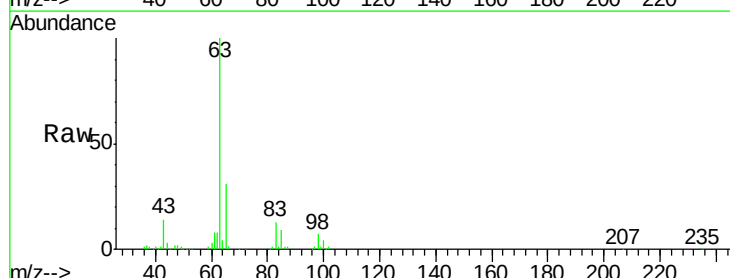
Manual Integrations
 APPROVED

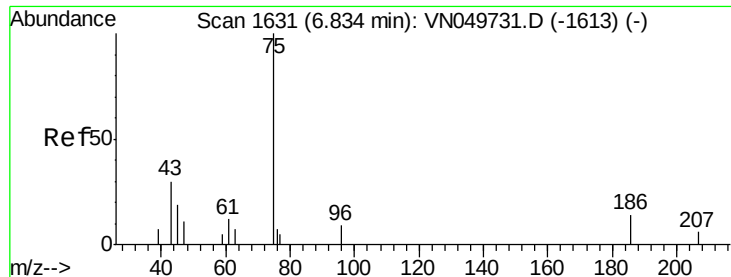
MMDadoda
 7/9/2018 6:00:32 PM



#24
 1,1-Dichloroethane
 Concen: 21.678 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Tgt Ion: 63 Resp: 513135
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.2
 100 4.0 2.2 6.6





#25

2-Butanone

Concen: 123.490 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0706MBS01

Tot Ion: 43 Resp: 557298

Ion Ratio Lower Upper

43 100

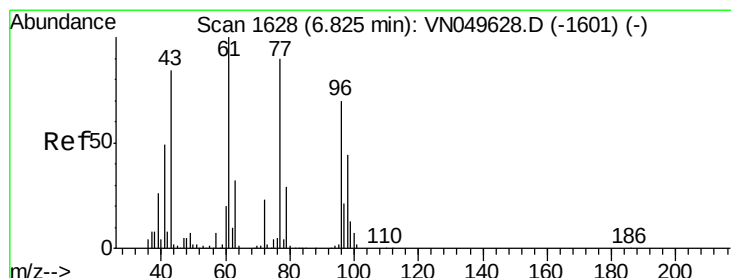
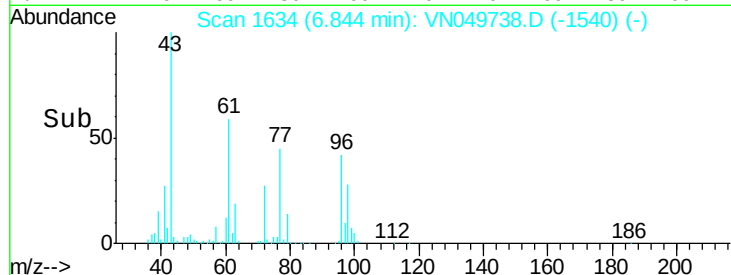
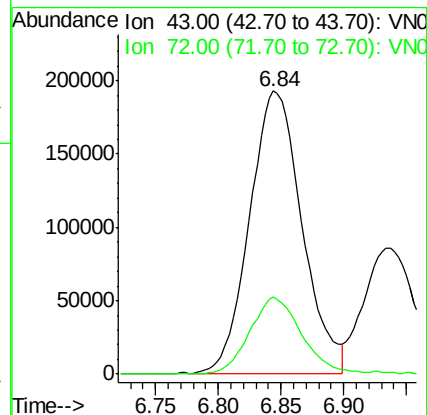
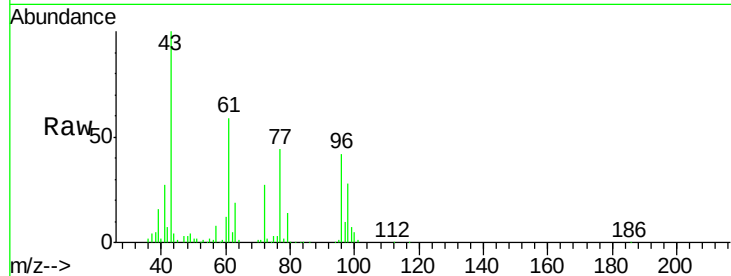
72 27.3 22.1 33.1

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:32 PM



#26

2,2-Dichloropropane

Concen: 20.119 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049738.D

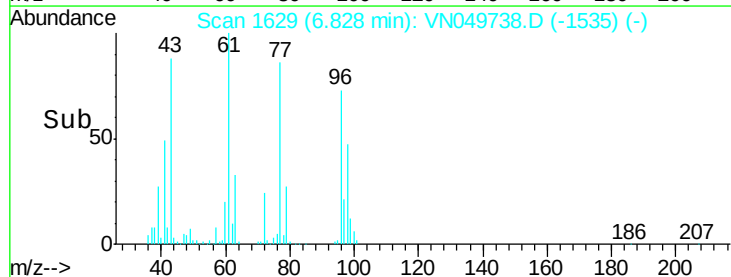
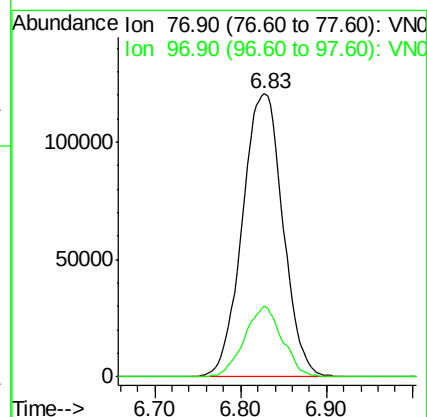
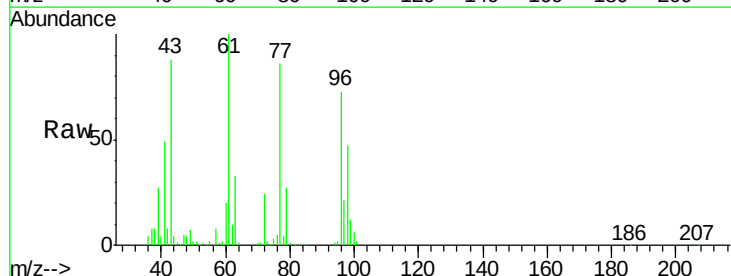
Acq: 6 Jul 2018 14:54

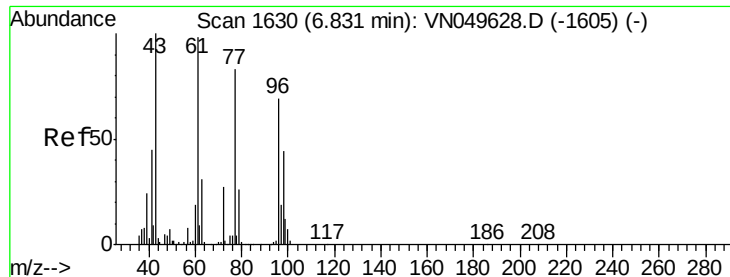
Tgt Ion: 77 Resp: 395541

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 21.668 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

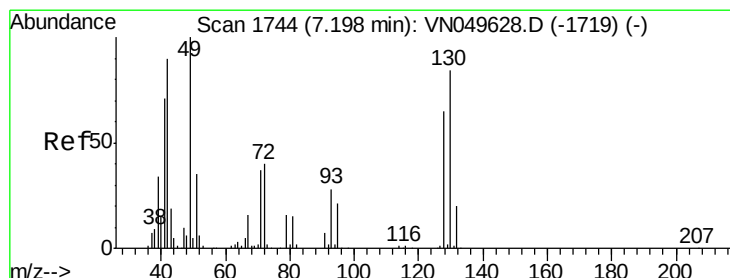
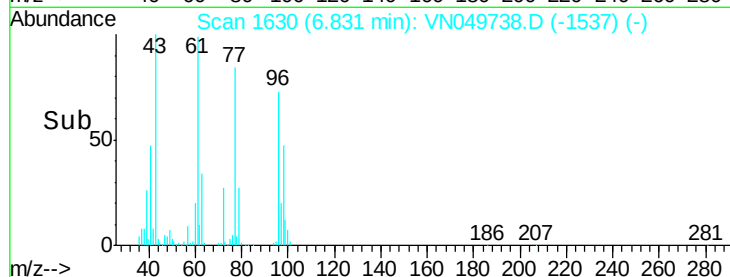
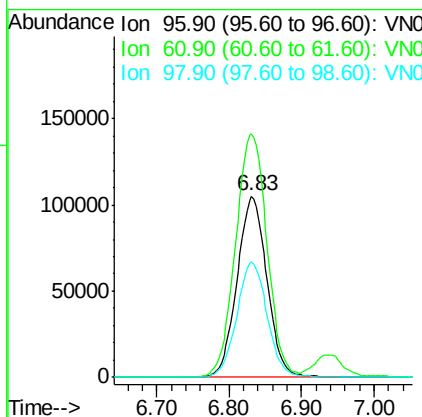
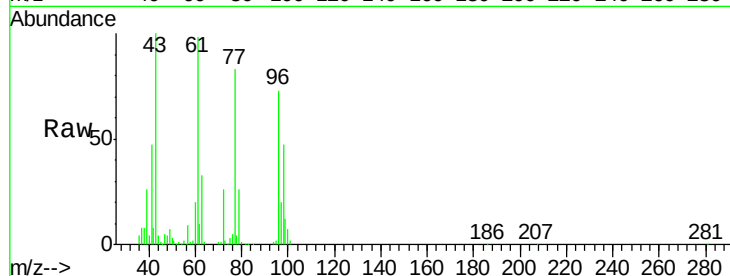
ClientSampleId :

VN0706MBS01

Tot Ion:	96	Resp:	301170
Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	289.0
98	64.8	0.0	130.2

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:32 PM



#28

Bromochloromethane

Concen: 20.953 ug/l

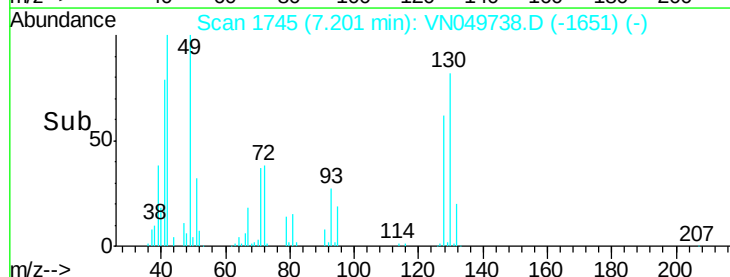
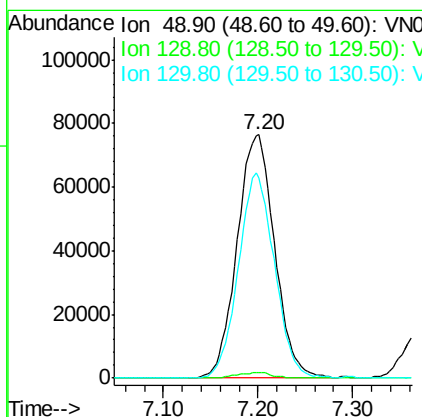
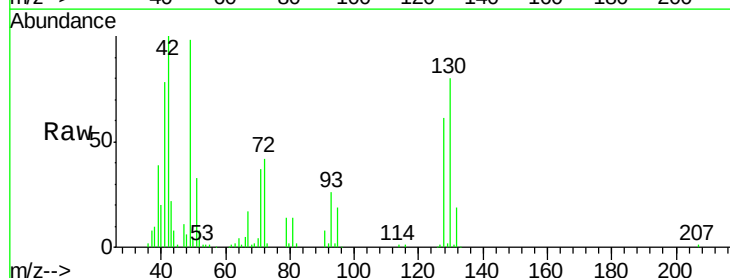
RT: 7.20 min Scan# 1745

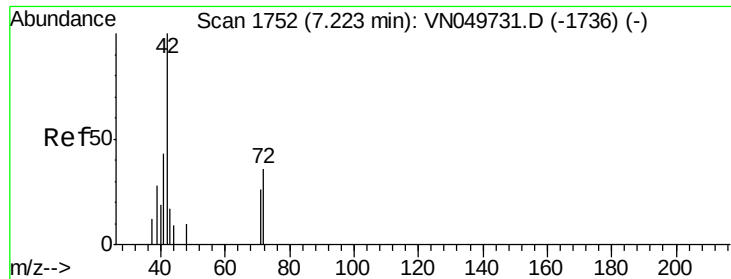
Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Tgt Ion:	49	Resp:	210507
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	81.0	65.5	98.3





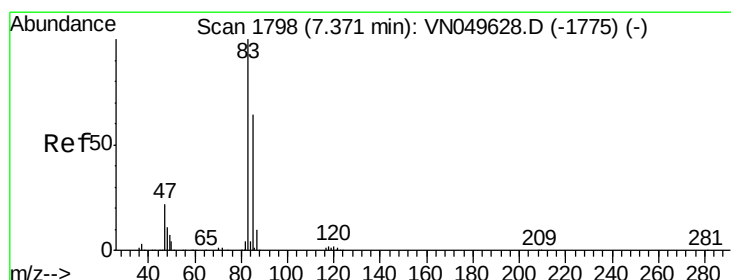
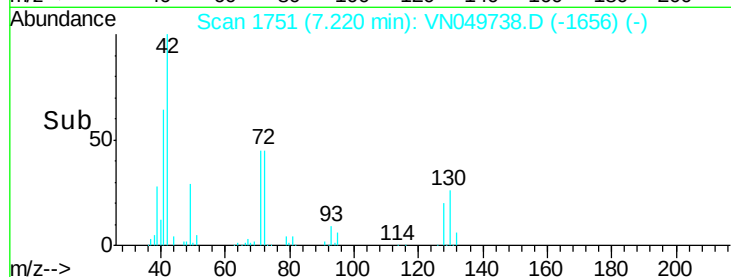
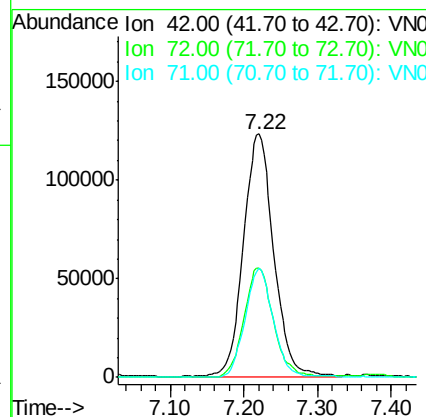
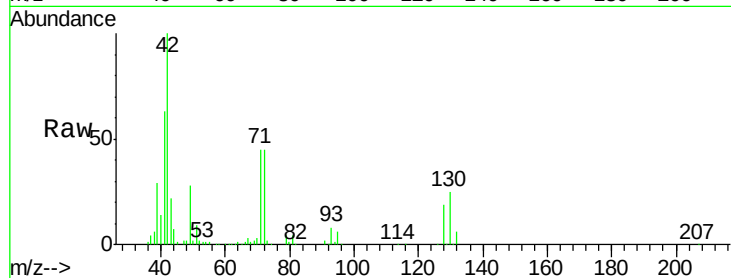
#29
Tetrahydrofuran
Concen: 121.922 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VN0706MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.6	53.4
71	42.0	34.0	51.0

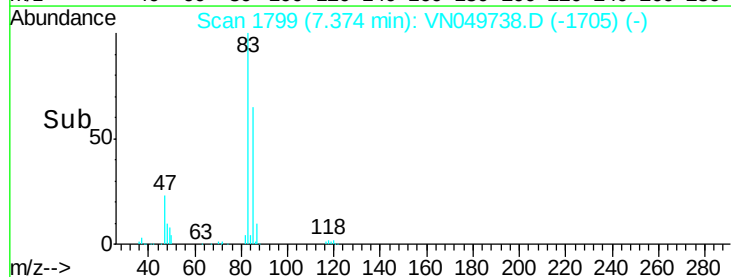
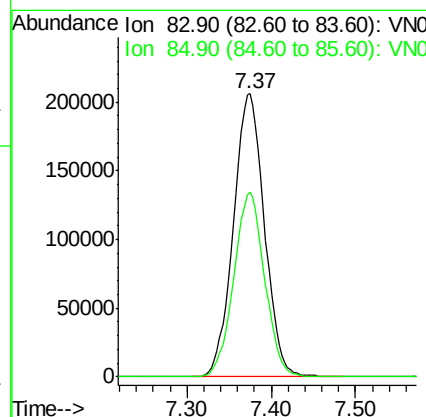
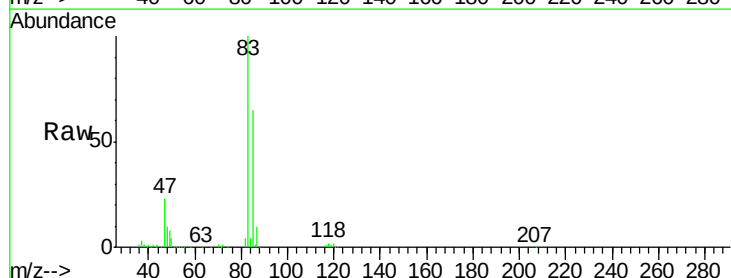
Manual Integrations
APPROVED

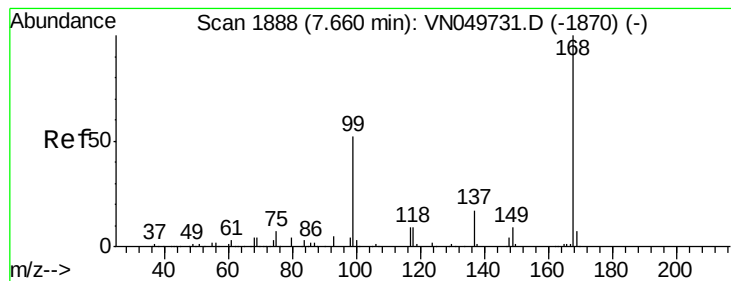
MMDadoda
7/9/2018 6:00:32 PM



#30
Chloroform
Concen: 21.825 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





#31

Cyclohexane

Concen: 20.295 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

ClientSampled :

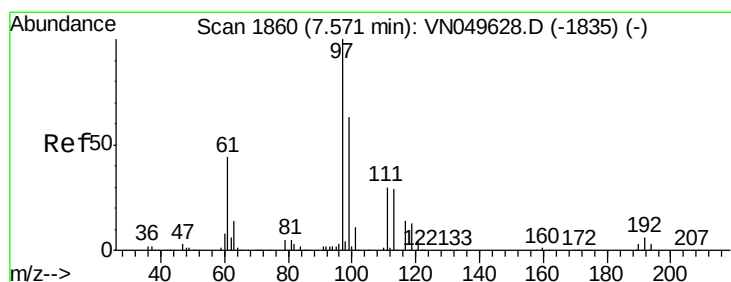
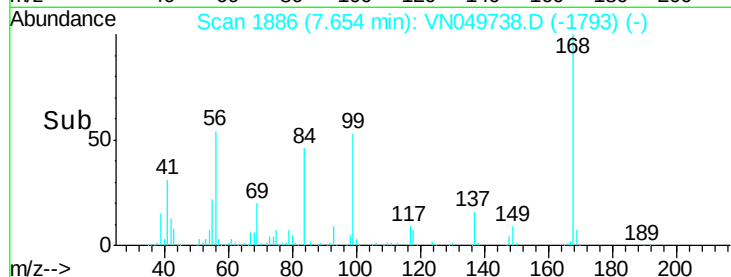
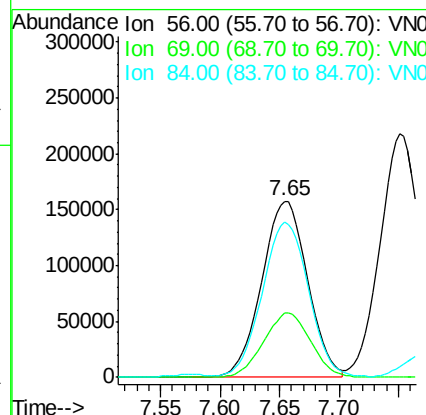
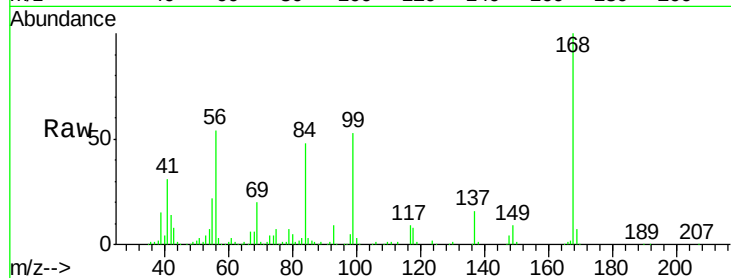
VN0706MBS01

Tot Ion: 56 Resp: 420730

Ion	Ratio	Lower	Upper
56	100		
69	36.4	26.6	40.0
84	86.0	69.0	103.6

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:32 PM



#32

1,1,1-Trichloroethane

Concen: 21.809 ug/l

RT: 7.57 min Scan# 1861

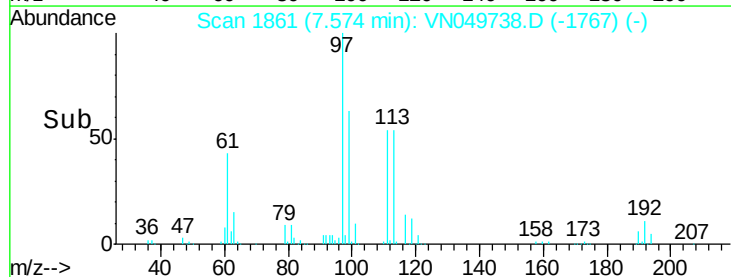
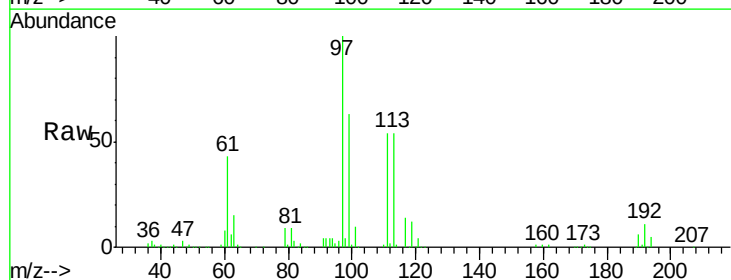
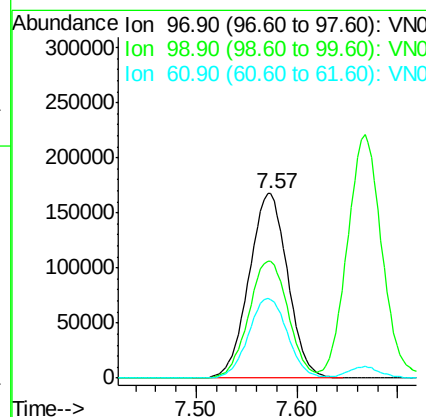
Delta R.T. 0.00 min

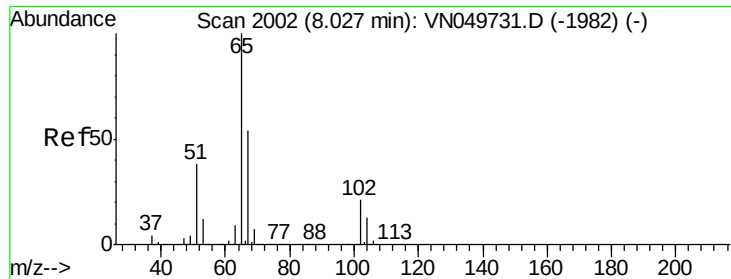
Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Tgt Ion: 97 Resp: 445526

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	43.6	35.5	53.3





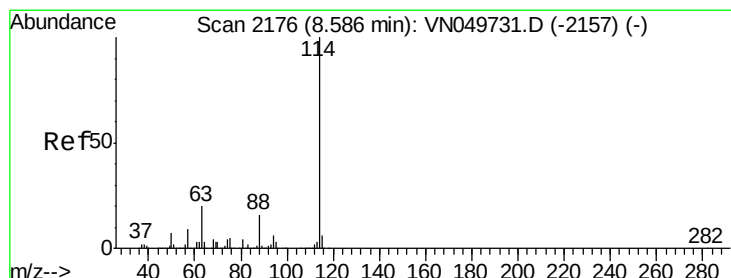
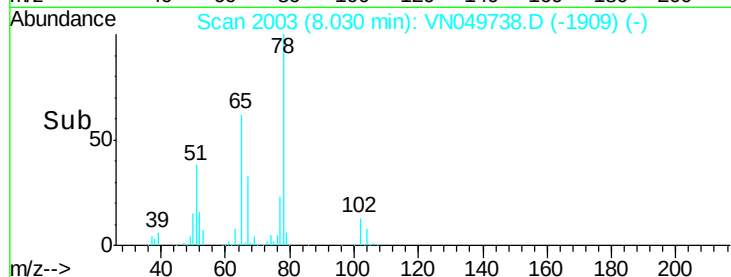
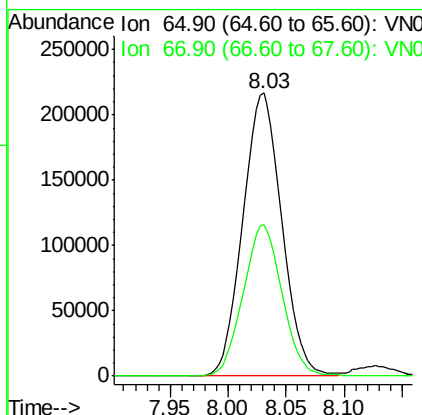
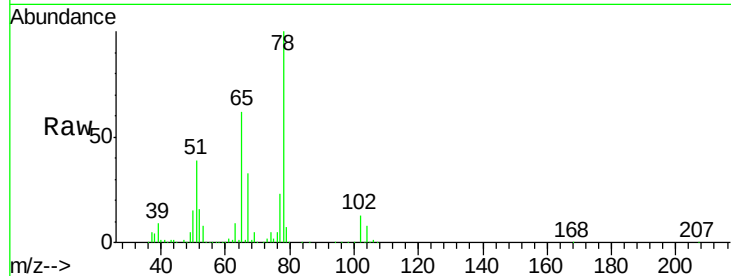
#33
 1,2-Dichloroethane-d4
 Concen: 37.391 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0706MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	508295		
67	53.4	0.0	107.2	

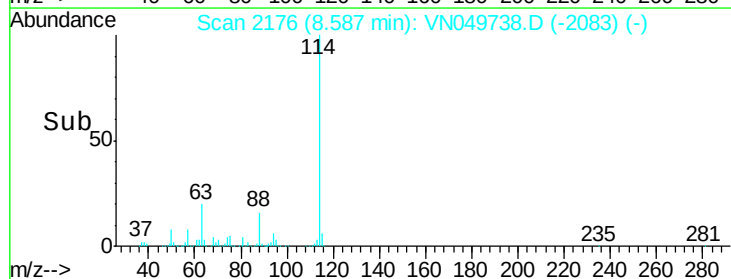
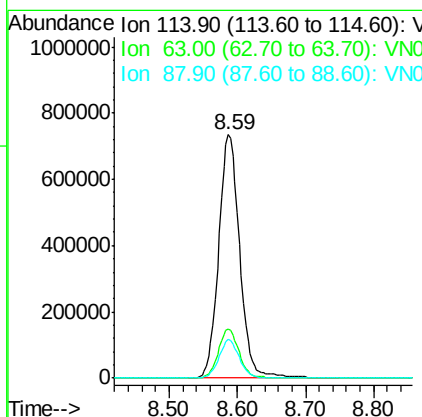
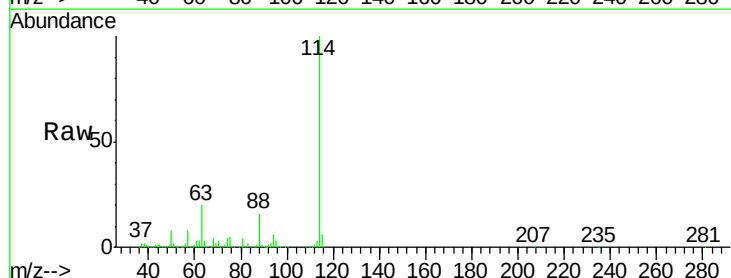
Manual Integrations
 APPROVED

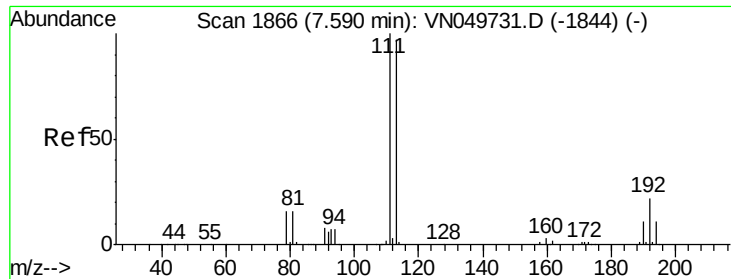
MMDadoda
 7/9/2018 6:00:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1571174		
63	20.0	0.0	39.8	
88	15.7	0.0	30.6	





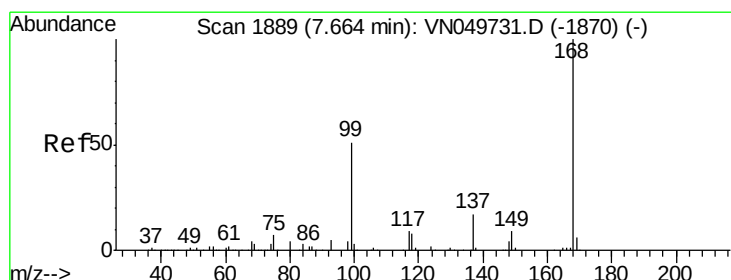
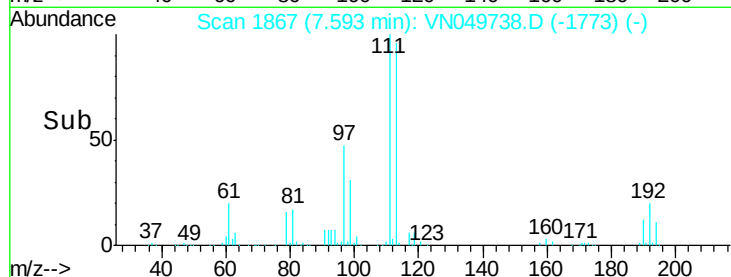
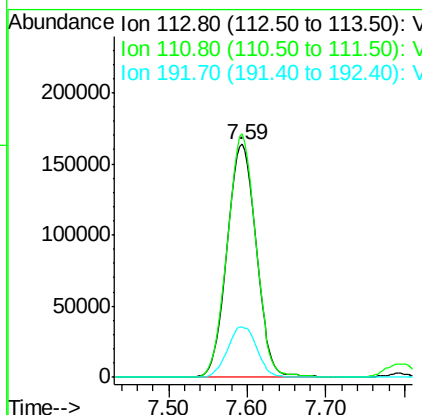
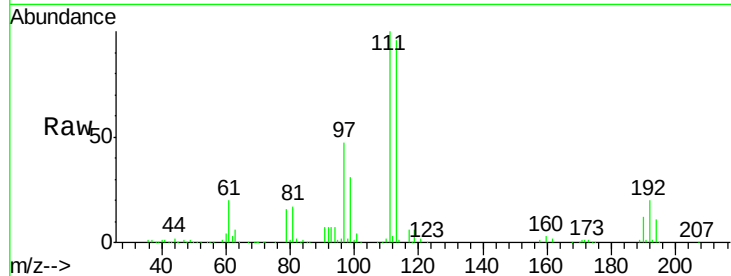
#35
Dibromofluoromethane
Concen: 35.946 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VN0706MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.8
192	21.8	17.8	26.6

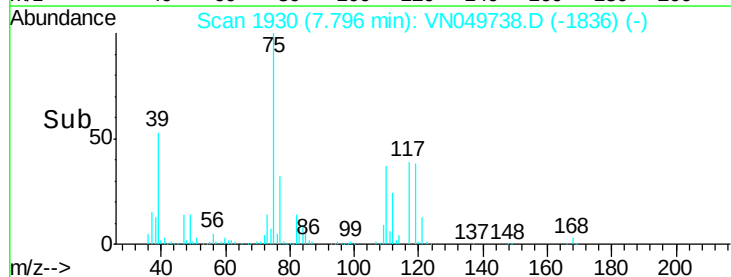
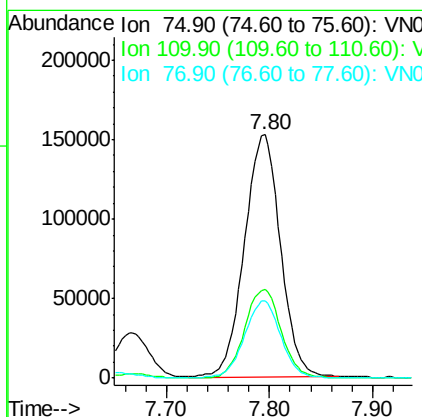
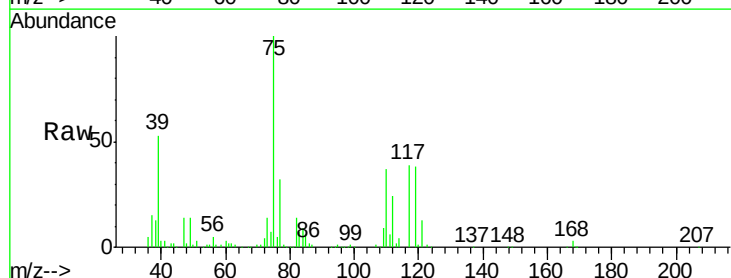
Manual Integrations
APPROVED

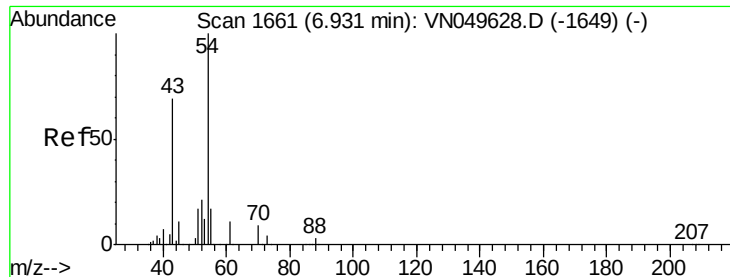
MMDadoda
7/9/2018 6:00:32 PM



#36
1,1-Dichloropropene
Concen: 20.982 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.1	54.4
77	32.0	24.9	37.3





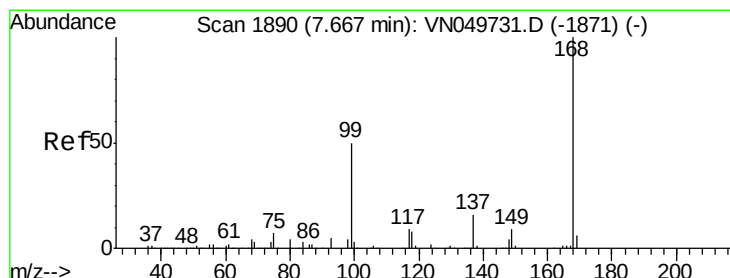
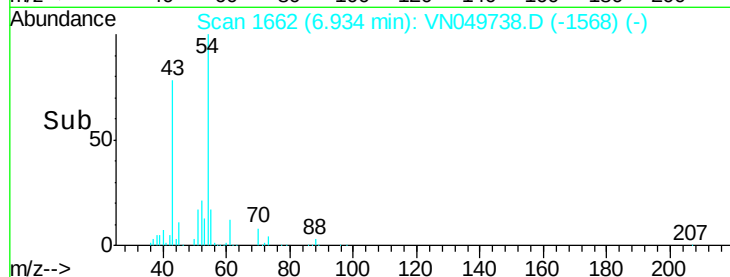
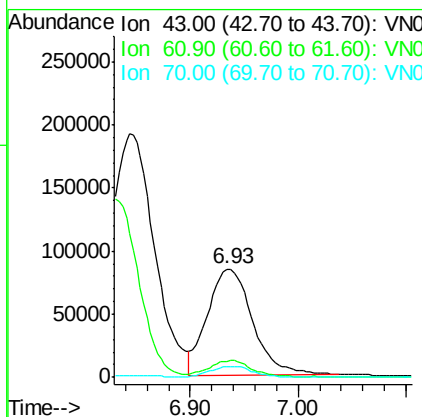
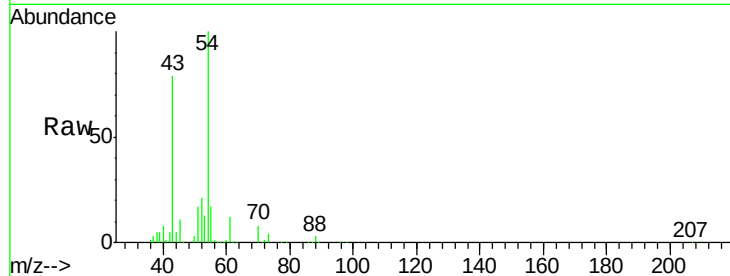
#37
Ethyl Acetate
Concen: 23.803 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampled :
VN0706MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.7	17.5
70	9.9	8.4	12.6

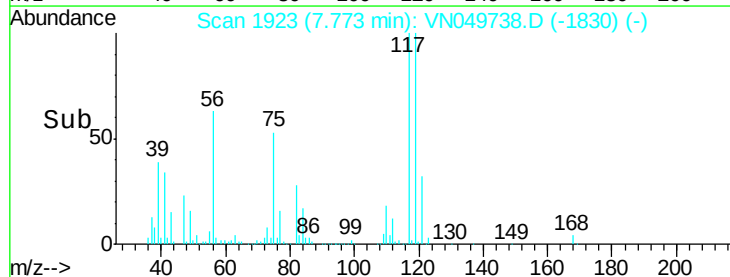
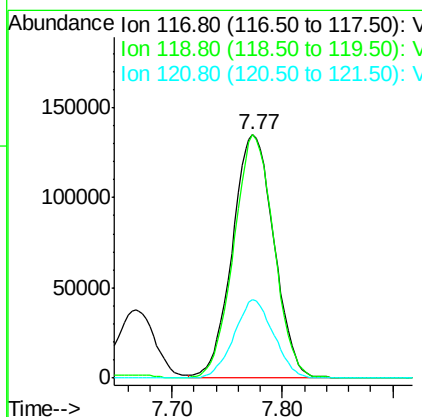
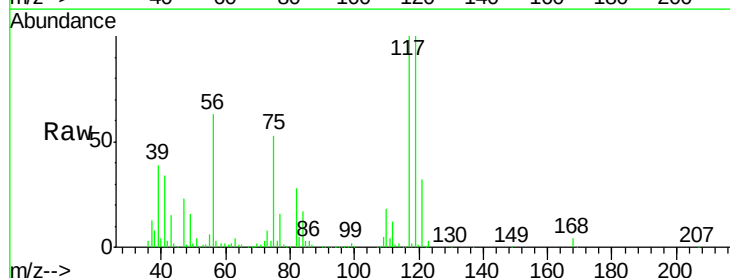
Manual Integrations
APPROVED

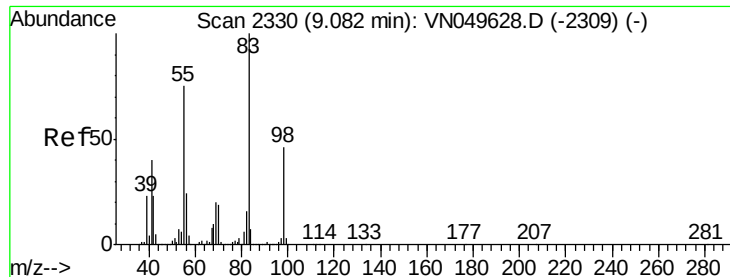
MMDadoda
7/9/2018 6:00:32 PM



#38
Carbon Tetrachloride
Concen: 20.407 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.2	77.2	115.8
121	32.3	25.0	37.6





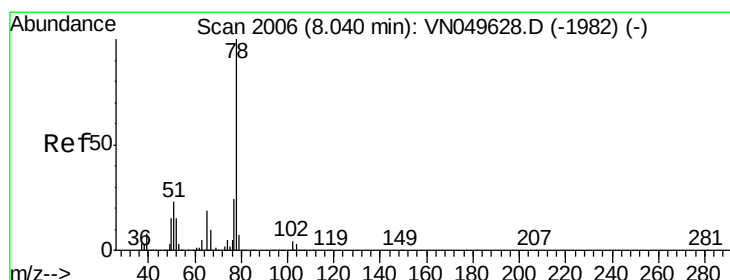
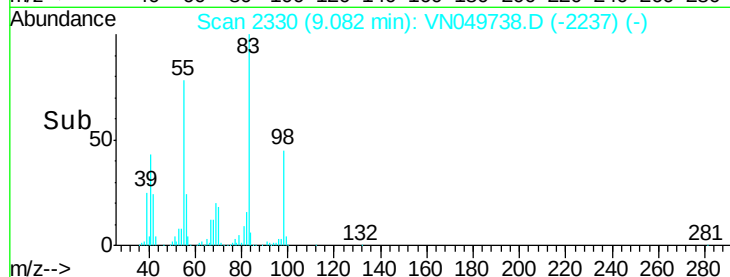
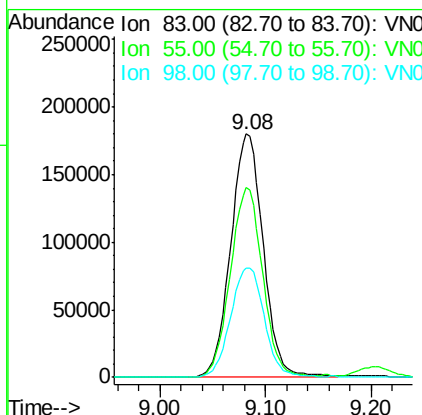
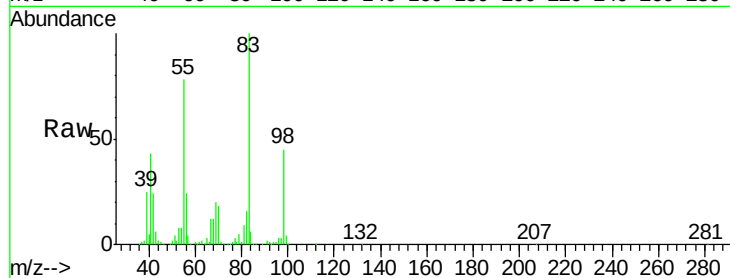
#39
Methylvlcyclohexane
Concen: 19.876 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VN0706MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	59.7	89.5
98	45.0	36.5	54.7

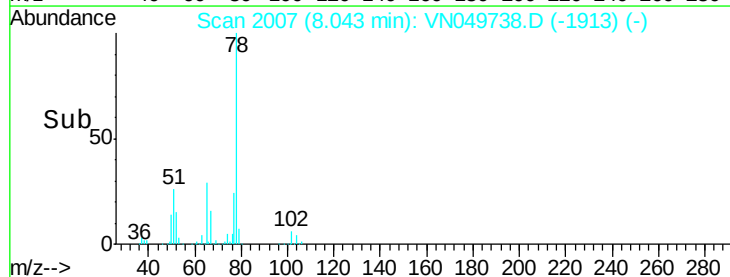
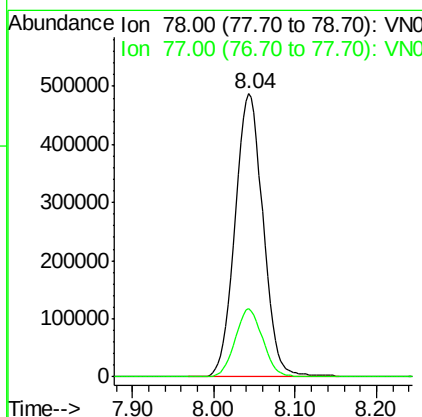
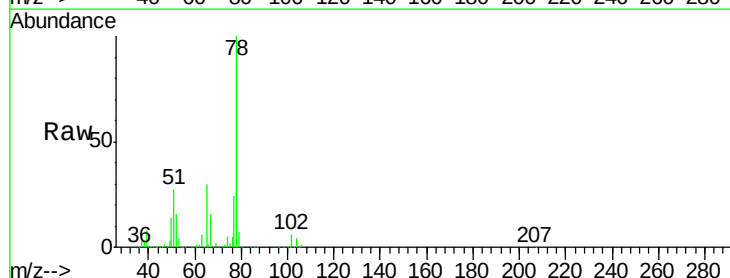
Manual Integrations
APPROVED

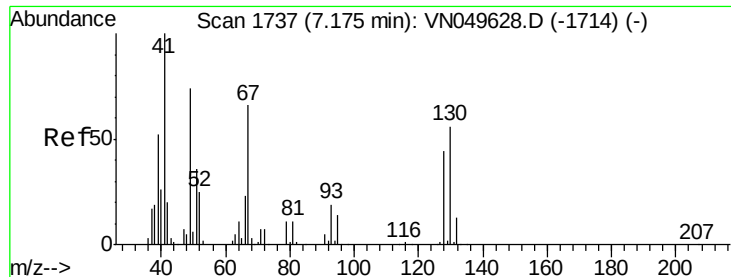
MMDadoda
7/9/2018 6:00:32 PM



#40
Benzene
Concen: 21.624 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





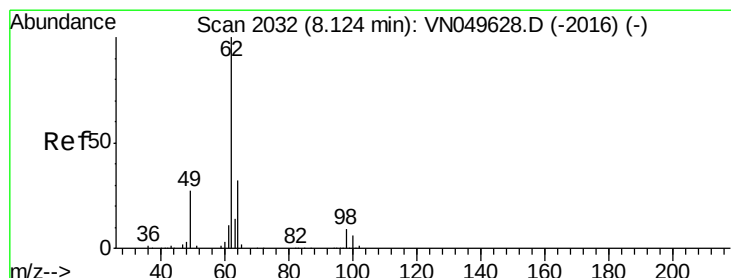
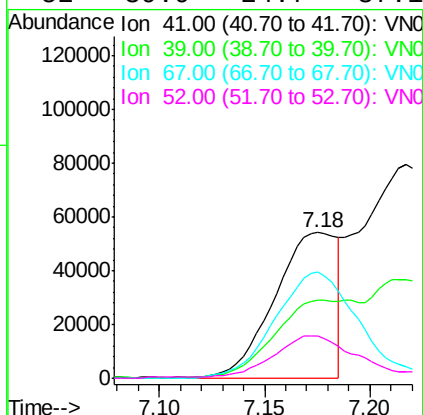
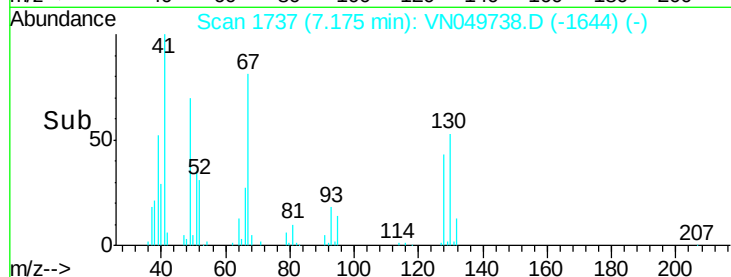
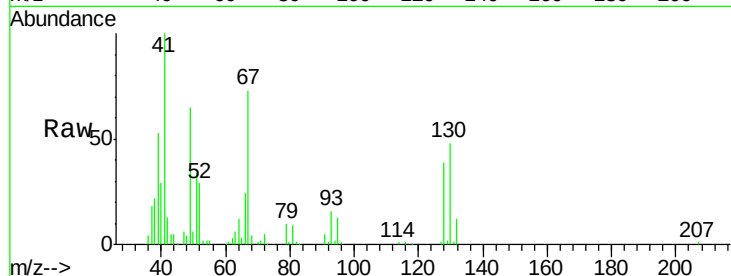
#41
Methacrylonitrile
Concen: 19.092 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampled :
VN0706MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.7	45.4	68.2		
67	98.6	65.4	98.0#		
52	39.9	24.7	37.1#		

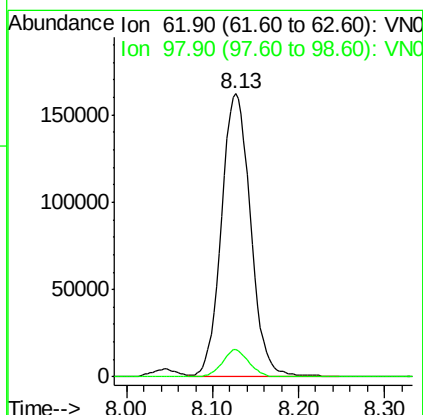
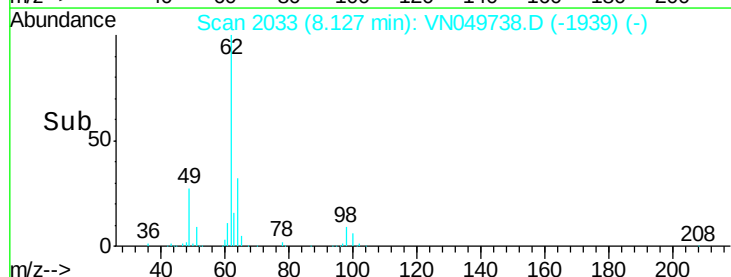
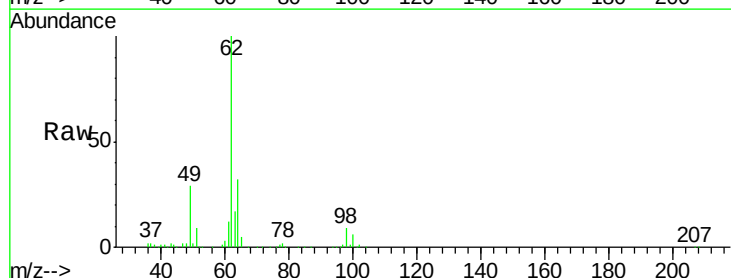
Manual Integrations
APPROVED

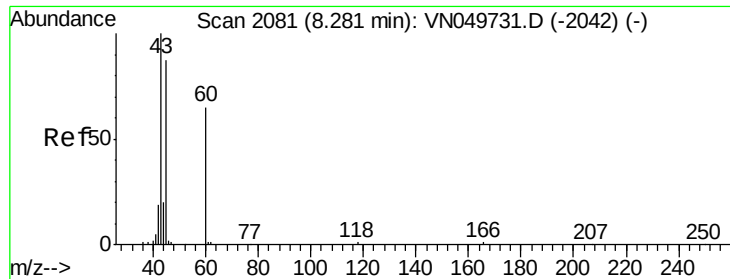
MMDadoda
7/9/2018 6:00:32 PM



#42
1,2-Dichloroethane
Concen: 22.090 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.9	0.0	19.0		





#43

Isopropyl Acetate

Concen: 22.989 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

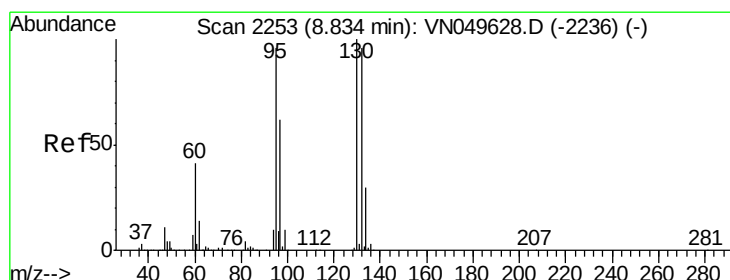
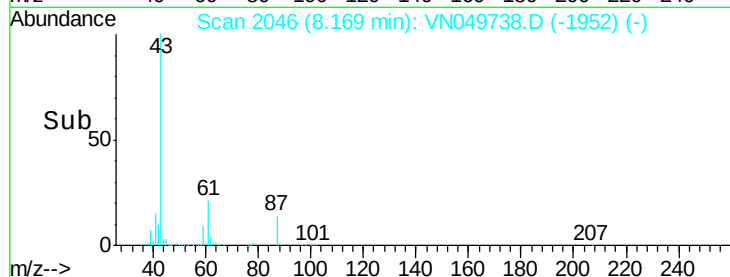
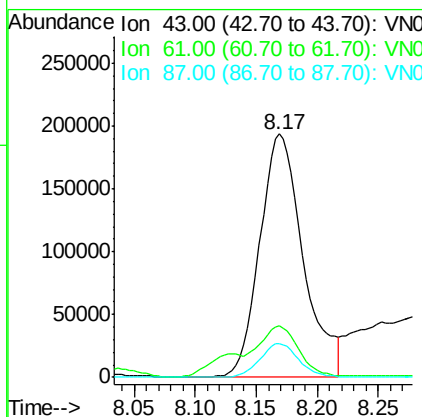
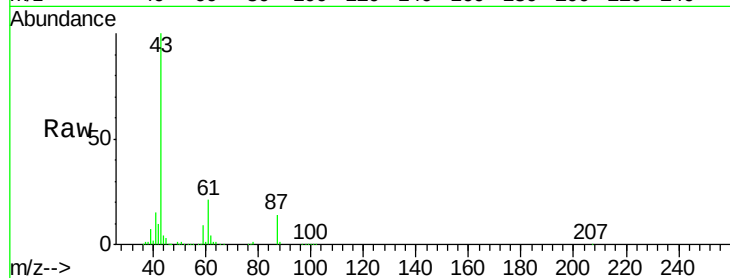
ClientSampleId :

VN0706MBS01

Tot Ion:	43	Resp:	477022
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.9	22.3
87	12.4	10.0	15.0

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:32 PM



#44

Trichloroethene

Concen: 20.751 ug/l

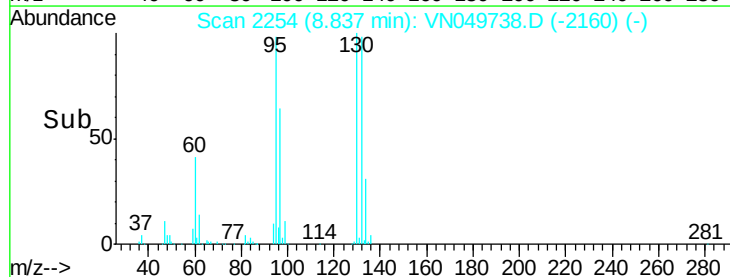
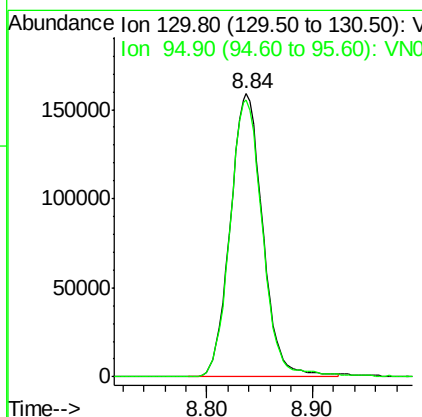
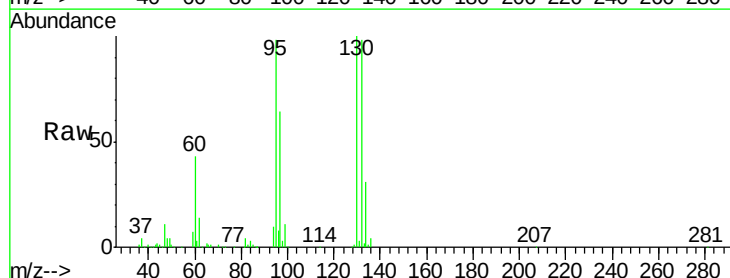
RT: 8.84 min Scan# 2254

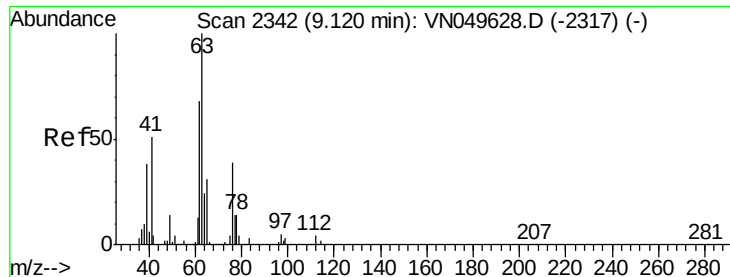
Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Tgt Ion:	130	Resp:	337785
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	192.8





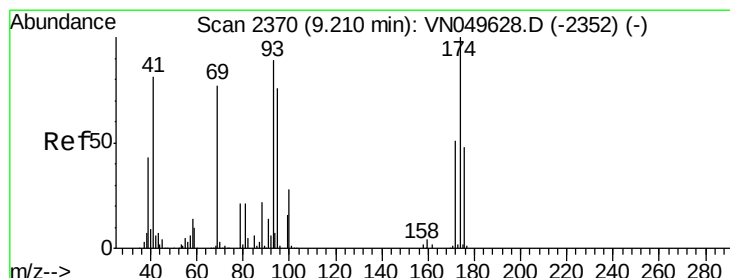
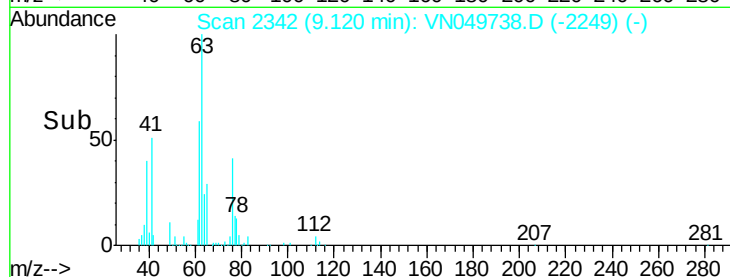
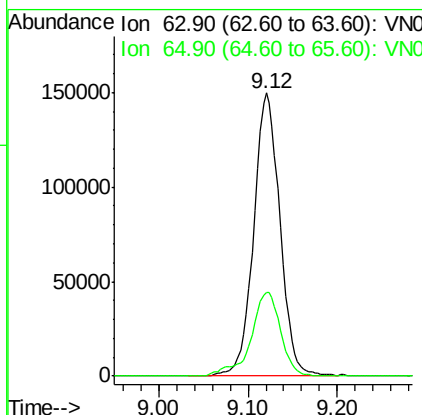
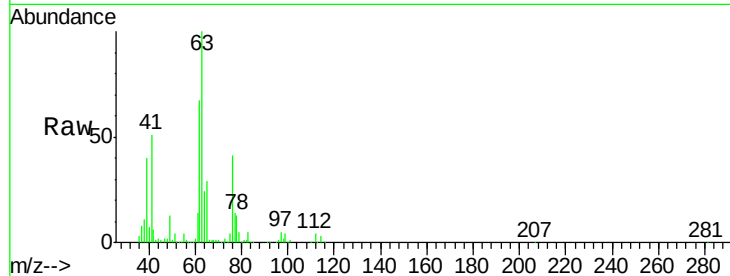
#45
 1,2-Dichloropropane
 Concen: 22.127 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.7	37.1

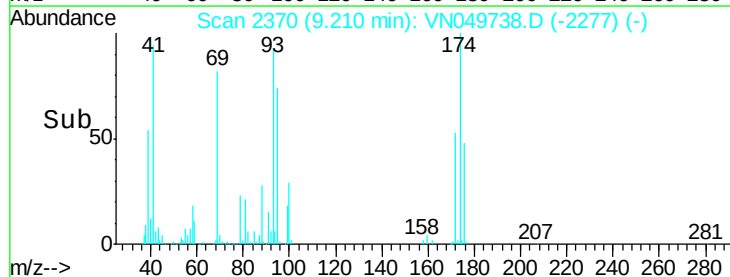
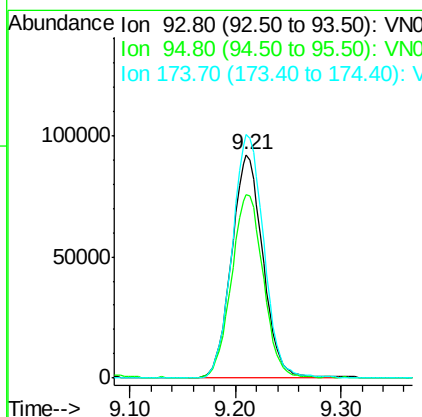
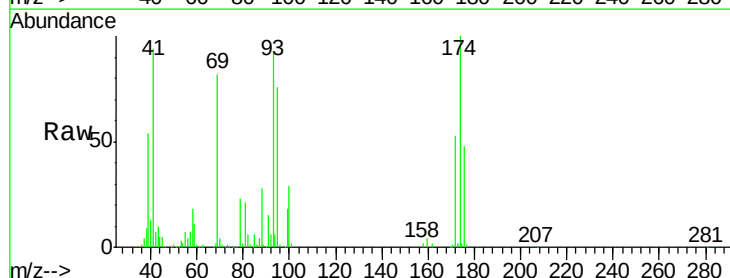
Manual Integrations
 APPROVED

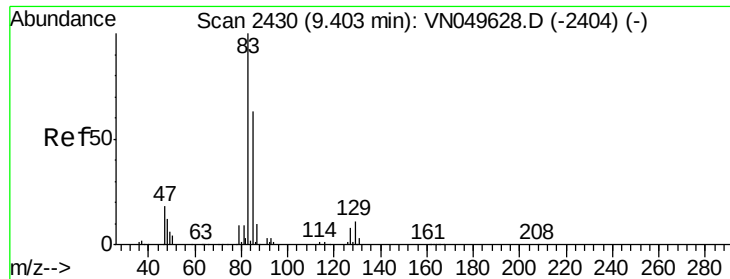
MMDadoda
 7/9/2018 6:00:32 PM



#46
 Dibromomethane
 Concen: 22.512 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.9	101.9
174	109.4	89.4	134.0





#47

Bromodichloromethane

Concen: 22.149 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

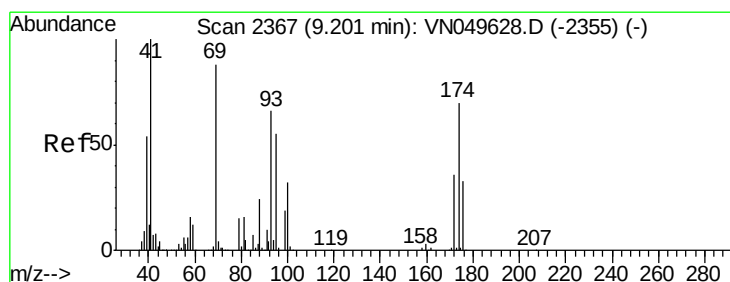
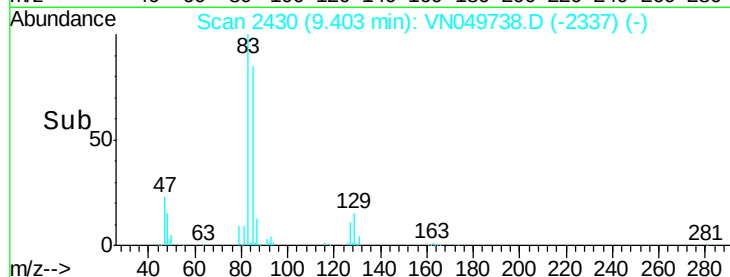
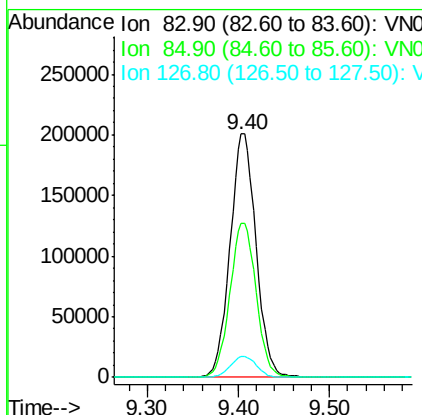
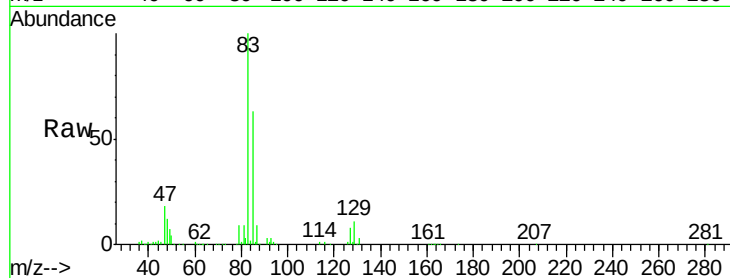
ClientSampleId :

VN0706MBS01

Tot Ion:	83	Resp:	397779
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.4	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:32 PM



#48

Methyl methacrylate

Concen: 23.362 ug/l

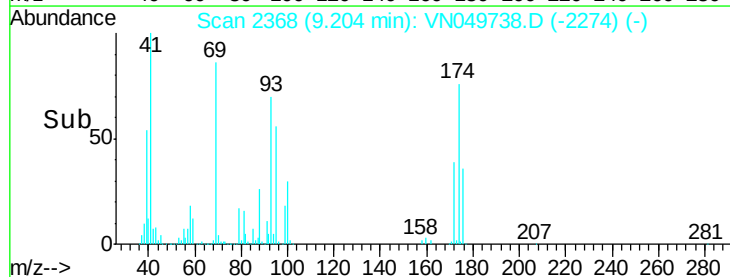
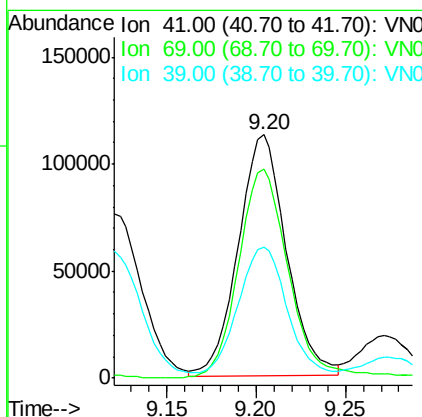
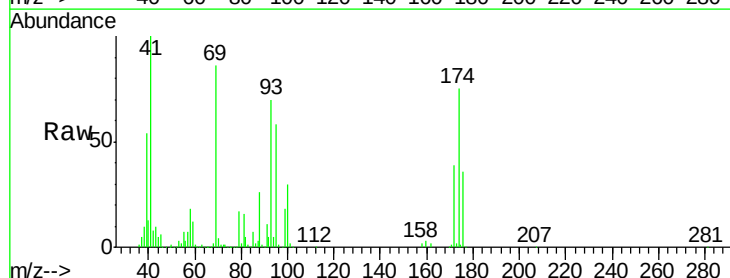
RT: 9.20 min Scan# 2368

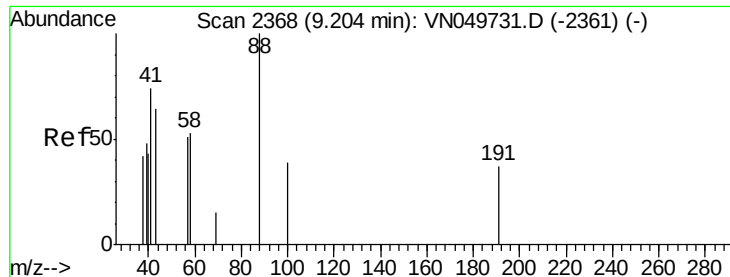
Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Tgt Ion:	41	Resp:	214044
Ion	Ratio	Lower	Upper
41	100		
69	89.4	71.5	107.3
39	55.6	44.7	67.1





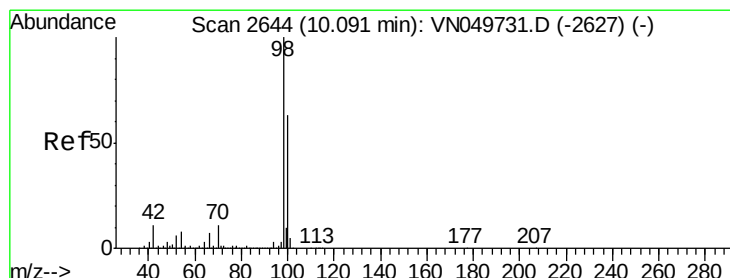
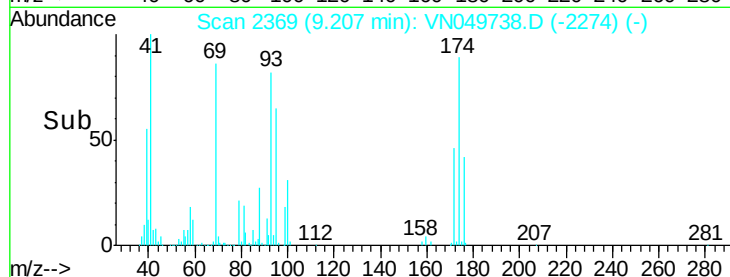
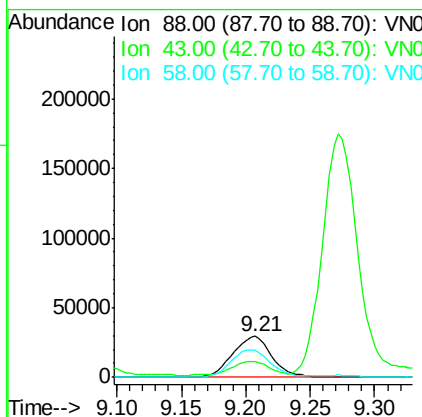
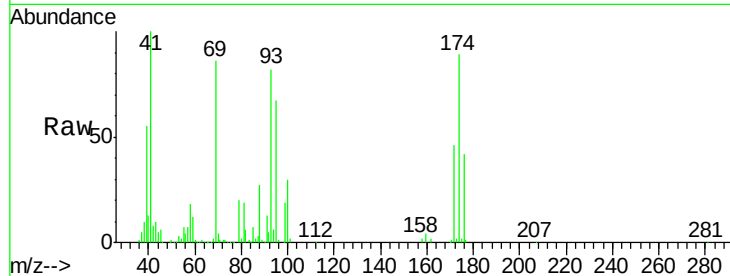
#49
 1,4-Dioxane
 Concen: 506.744 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. 0.01 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	25.1	37.7
58	68.4	52.5	78.7

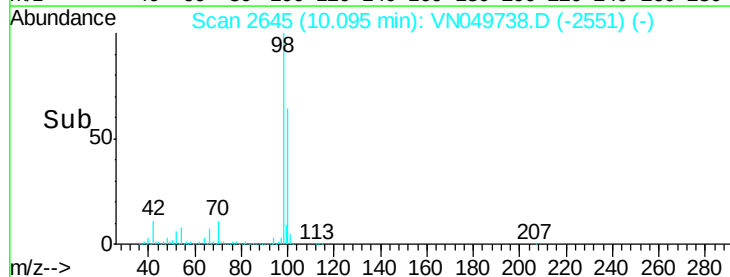
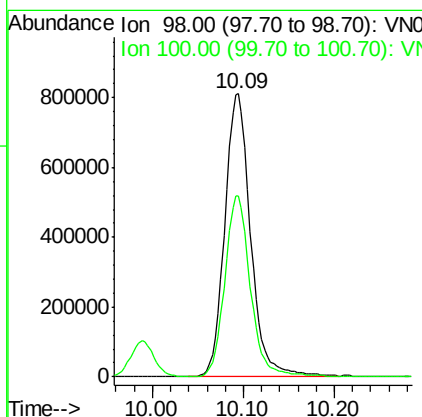
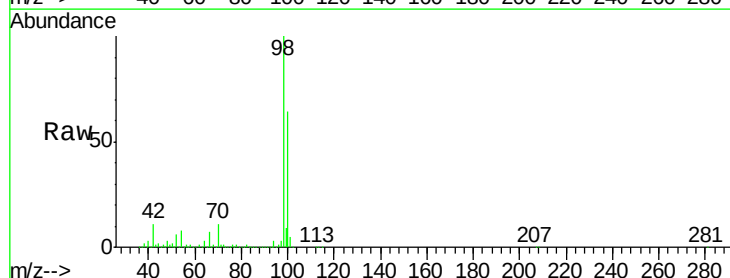
Manual Integrations
 APPROVED

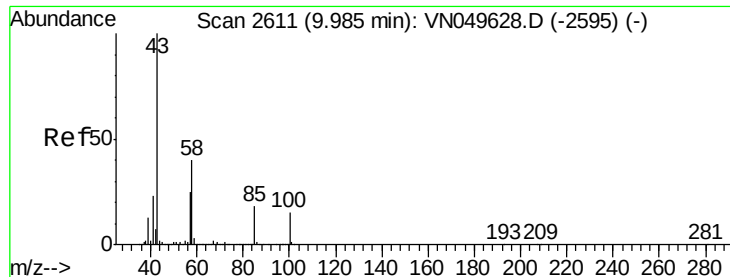
MMDadoda
 7/9/2018 6:00:32 PM



#50
 Toluene-d8
 Concen: 34.834 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5





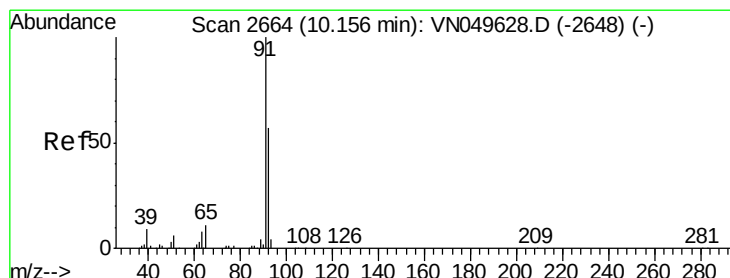
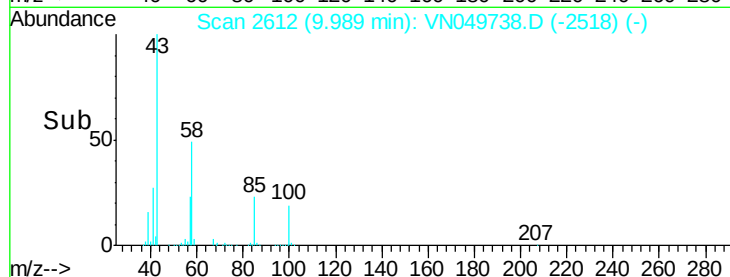
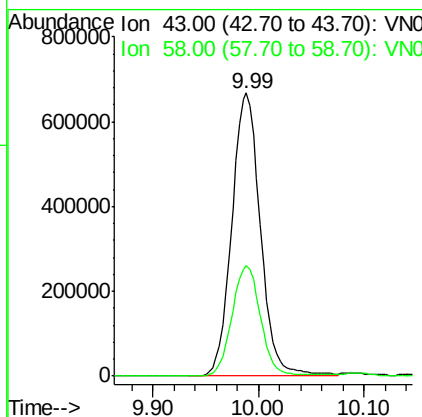
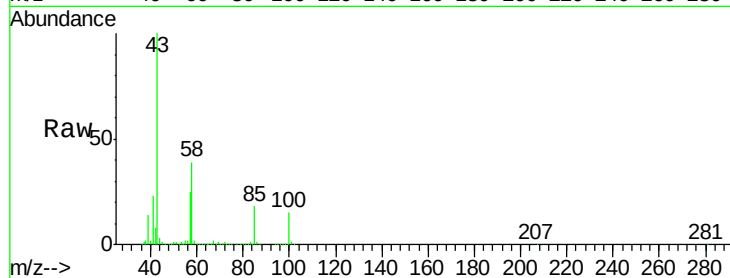
#51
4-Methyl-2-Pentanone
Concen: 123.364 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VN0706MBS01

Tot Ion: 43 Resp: 1247038
Ion Ratio Lower Upper
43 100
58 39.2 31.8 47.8

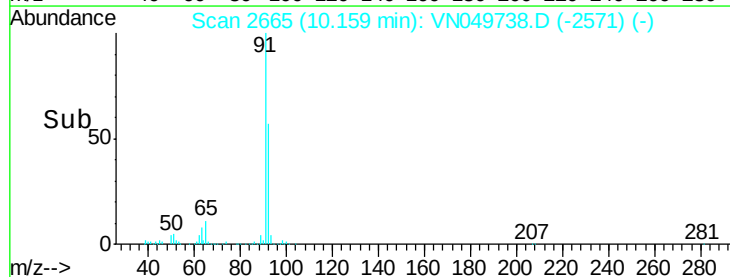
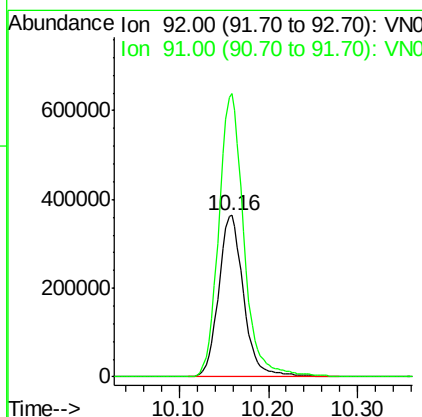
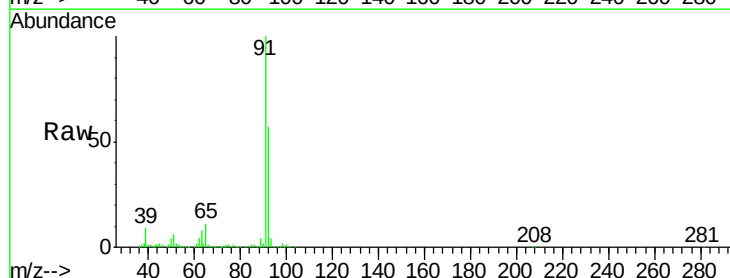
Manual Integrations
APPROVED

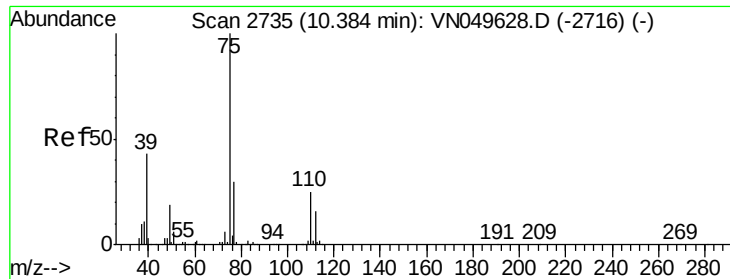
MMDadoda
7/9/2018 6:00:32 PM



#52
Toluene
Concen: 21.753 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion: 92 Resp: 709336
Ion Ratio Lower Upper
92 100
91 175.7 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 20.904 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

ClientSampled :

VN0706MBS01

Tot Ion: 75 Resp: 359478

Ion Ratio Lower Upper

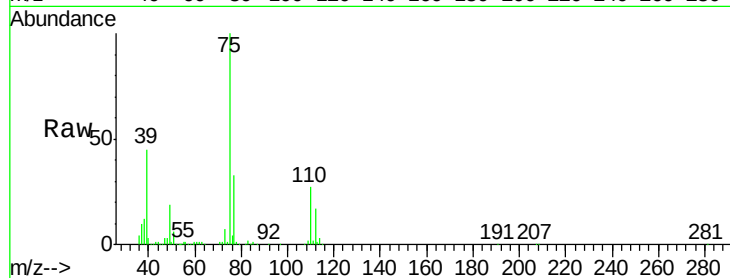
75 100

77 32.3 25.2 37.8

Manual Integrations
APPROVED

MMDadoda

7/9/2018 6:00:32 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

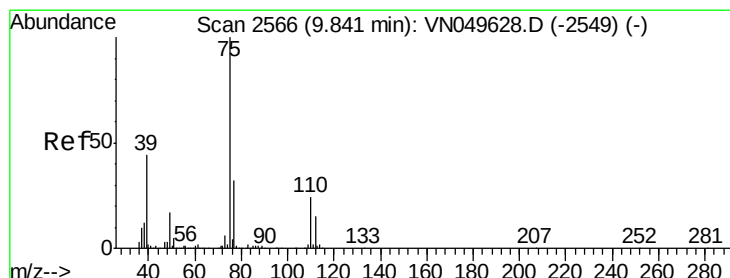
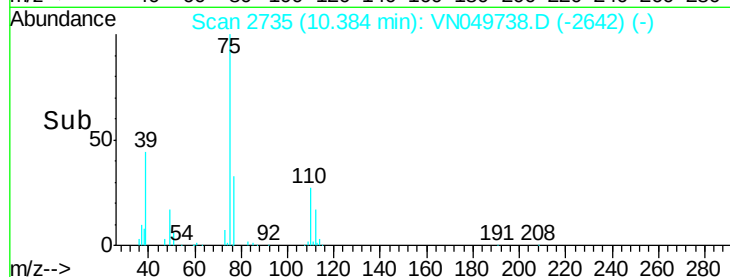
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.192 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

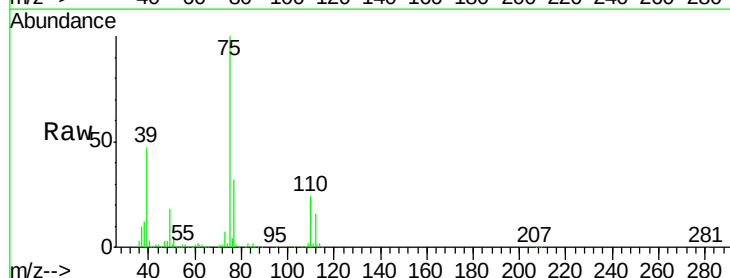
Tgt Ion: 75 Resp: 425931

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 47.3 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

300000

250000

200000

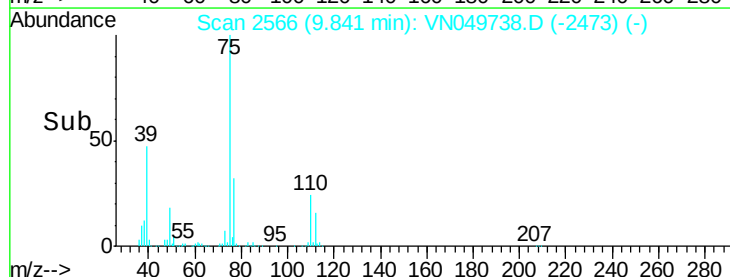
150000

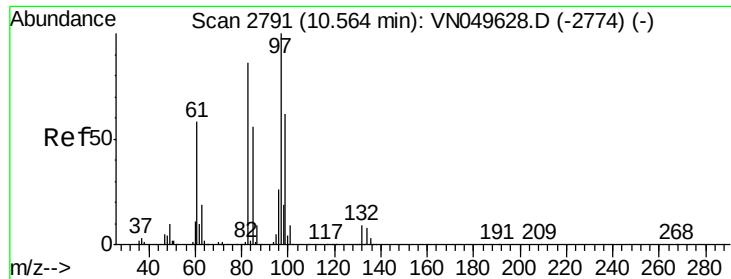
100000

50000

0

Time-->





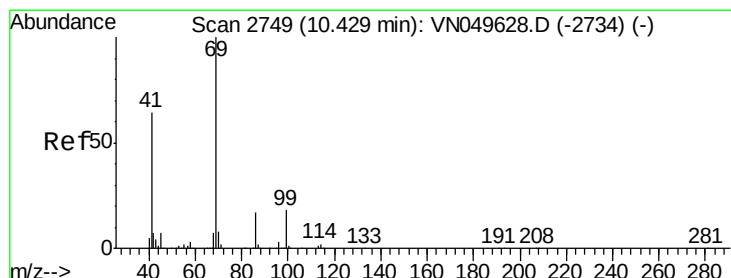
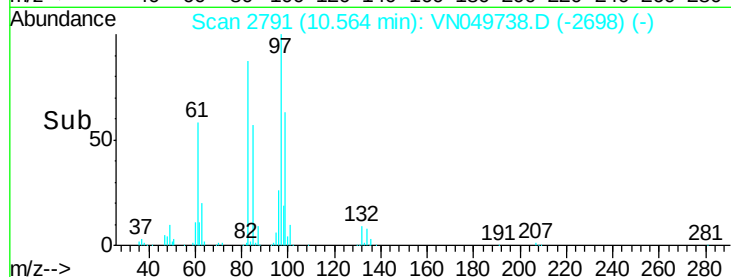
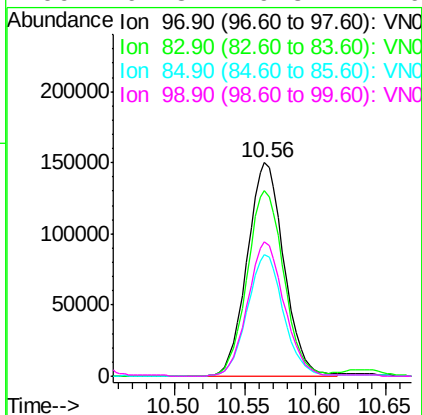
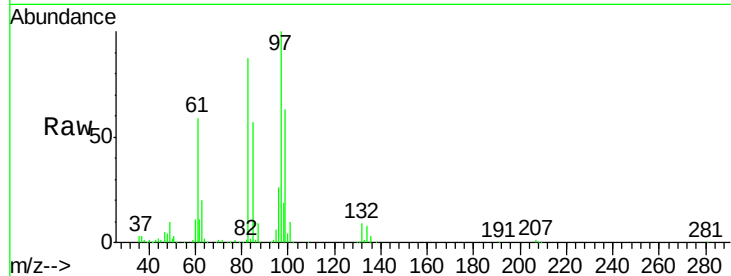
#55
 1,1,2-Trichloroethane
 Concen: 22.561 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		273924		
83	87.0	69.0	103.6		
85	57.1	44.9	67.3		
99	62.8	49.8	74.6		

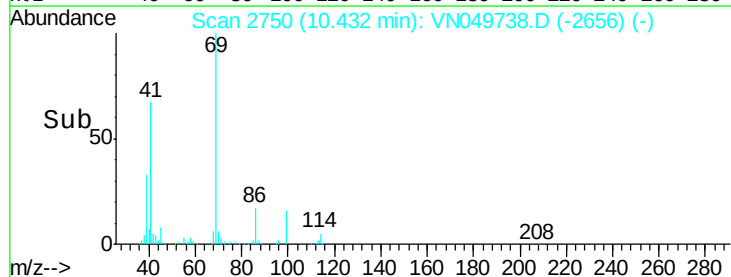
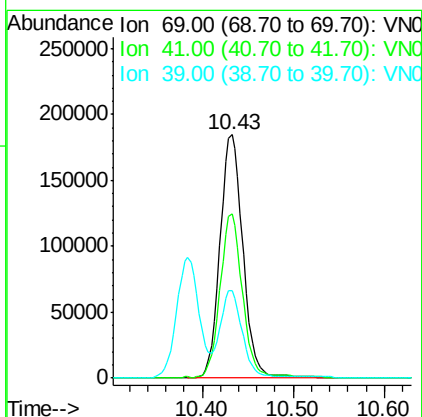
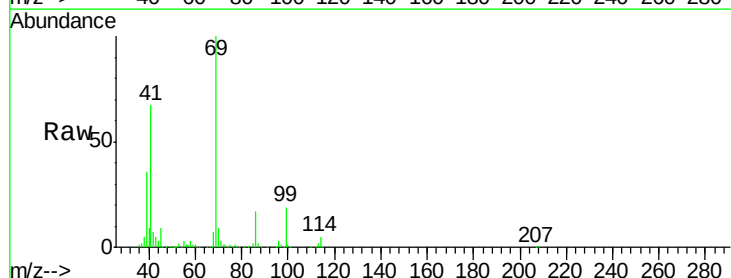
Manual Integrations
 APPROVED

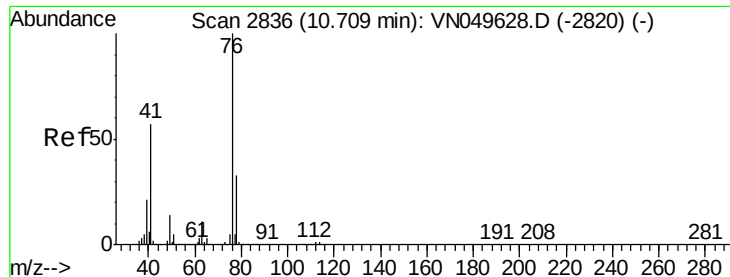
MMDadoda
 7/9/2018 6:00:32 PM



#56
 Ethyl methacrylate
 Concen: 22.722 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		323376		
41	64.3	51.6	77.4		
39	33.2	25.8	38.8		





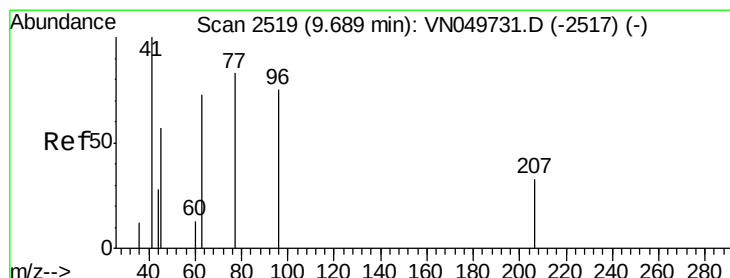
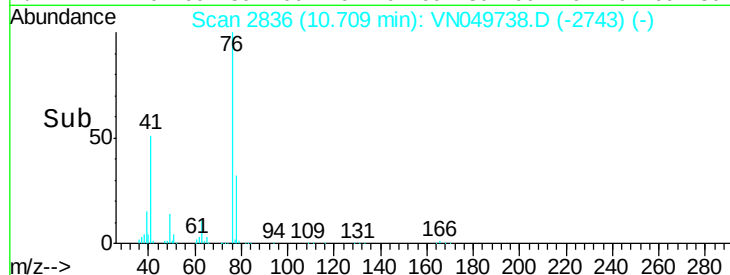
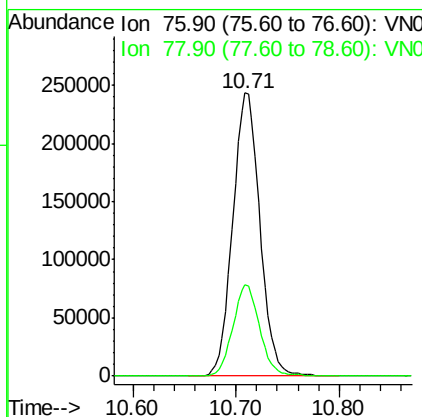
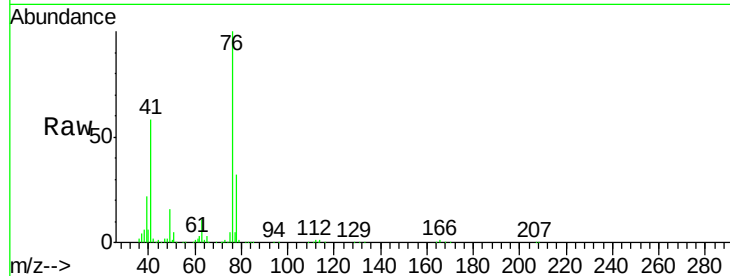
#57
 1,3-Dichloropropane
 Concen: 22.743 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0706MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

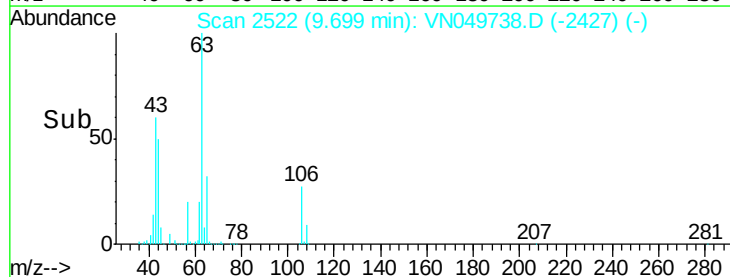
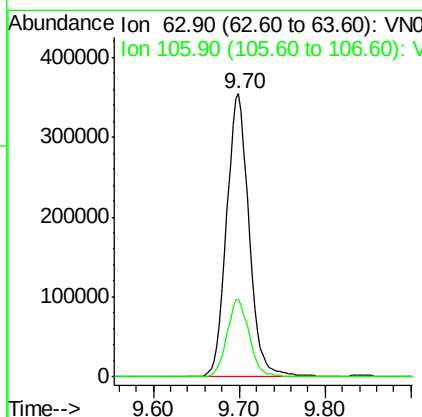
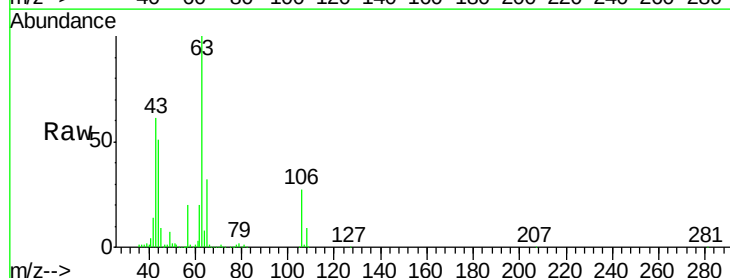
Manual Integrations
 APPROVED

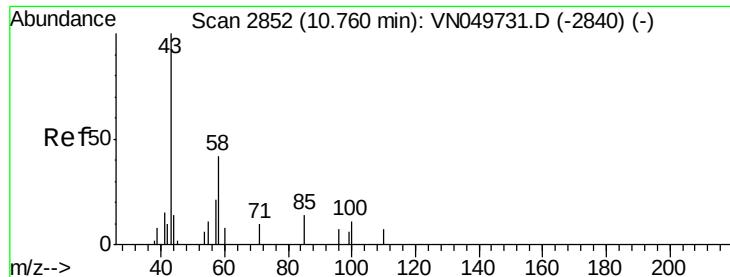
MMDadoda
 7/9/2018 6:00:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.980 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.8	32.8





#59

2-Hexanone

Concen: 122.325 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

ClientSampled :

VN0706MBS01

Tot Ion: 43 Resp: 817662

Ion Ratio Lower Upper

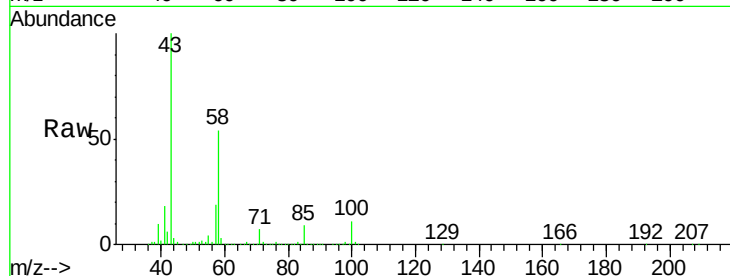
43 100

58 54.1 27.8 83.4

Manual Integrations
APPROVED

MMDadoda

7/9/2018 6:00:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VN049731.D (-2840) (-)

Ion 58.00 (57.70 to 58.70): VN049731.D (-2840) (-)

10.75

400000

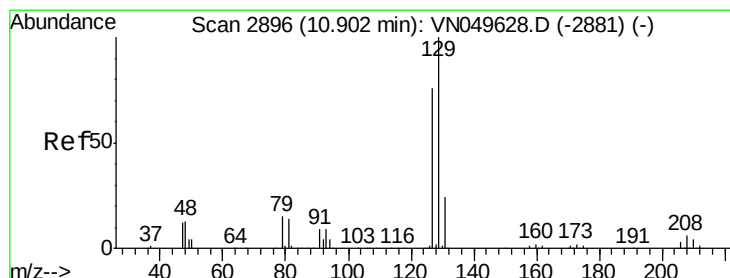
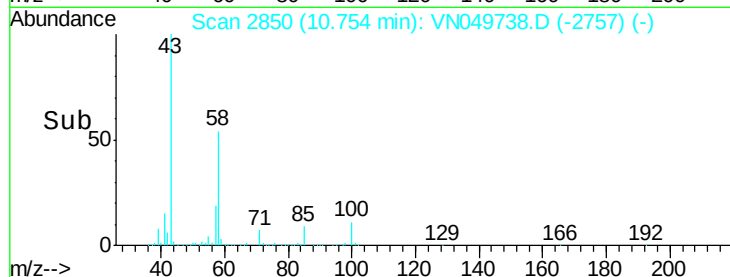
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 22.341 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049738.D

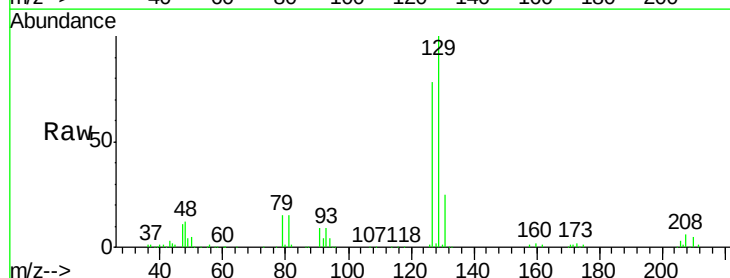
Acq: 6 Jul 2018 14:54

Tgt Ion: 129 Resp: 293174

Ion Ratio Lower Upper

129 100

127 77.1 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): VN049628.D (-2881) (-)

Ion 126.80 (126.50 to 127.50): VN049628.D (-2881) (-)

10.90

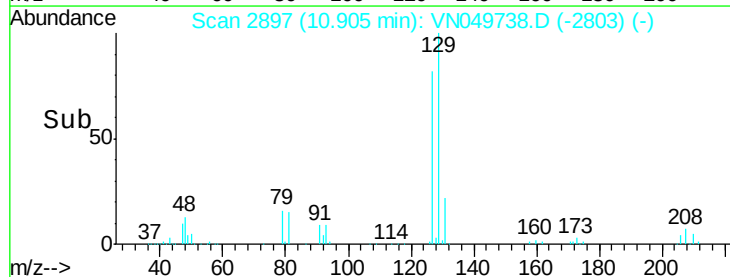
150000

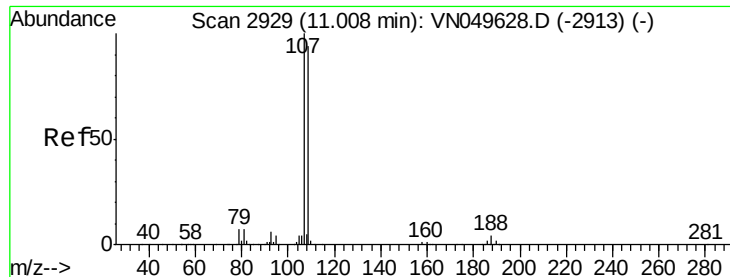
100000

50000

0

Time-->





#61

1,2-Dibromoethane

Concen: 22.575 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0706MBS01

Tot Ion: 107 Resp: 262625

Ion Ratio Lower Upper

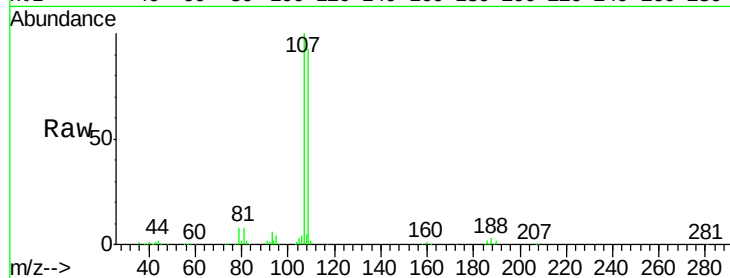
107 100

109 93.4 75.0 112.6

Manual Integrations
APPROVED

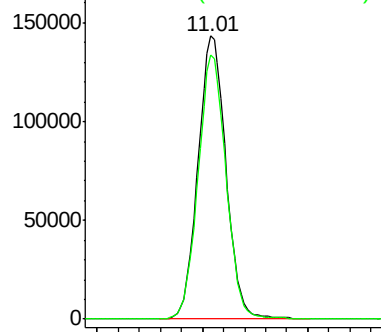
MMDadoda

7/9/2018 6:00:32 PM

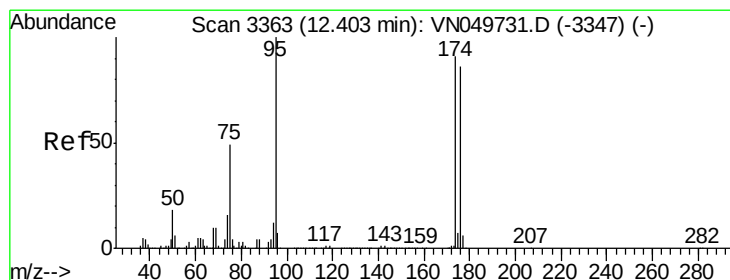
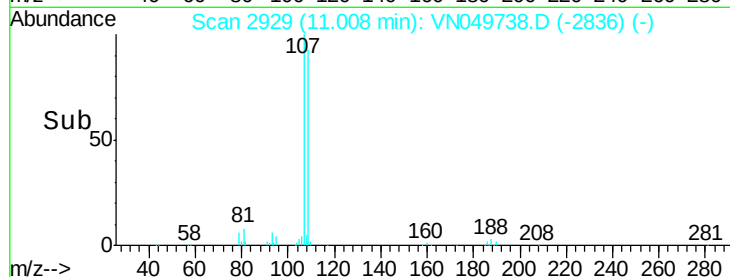


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 36.001 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

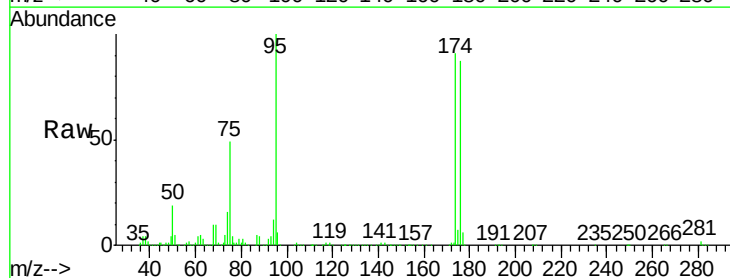
Tgt Ion: 95 Resp: 565110

Ion Ratio Lower Upper

95 100

174 89.8 0.0 179.6

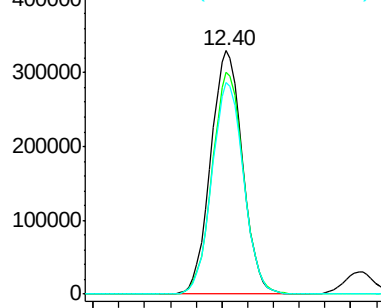
176 86.8 0.0 174.0



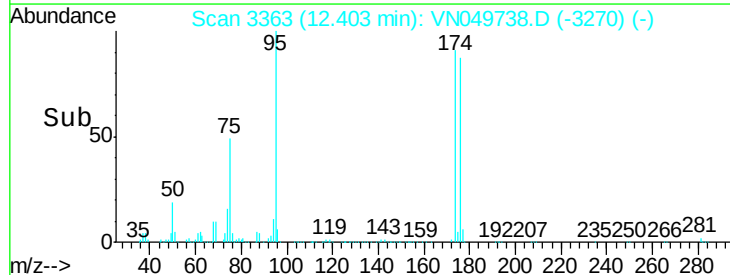
Abundance Ion 94.90 (94.60 to 95.60): V

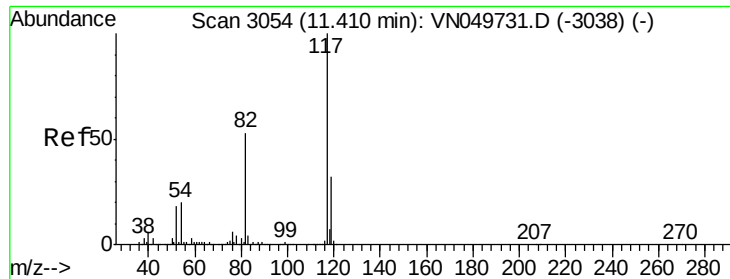
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.30 12.40 12.50





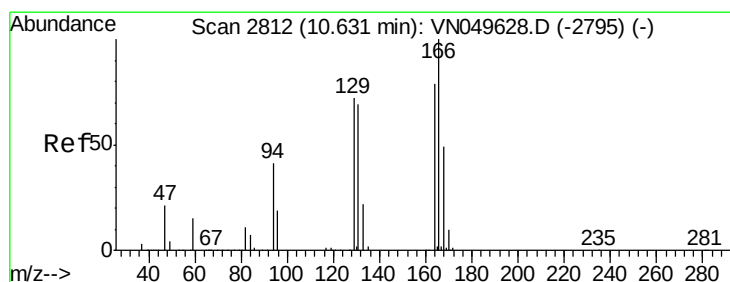
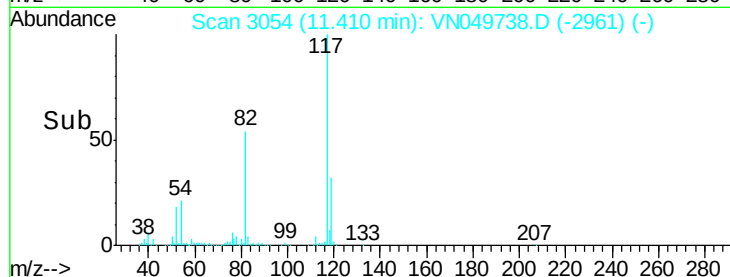
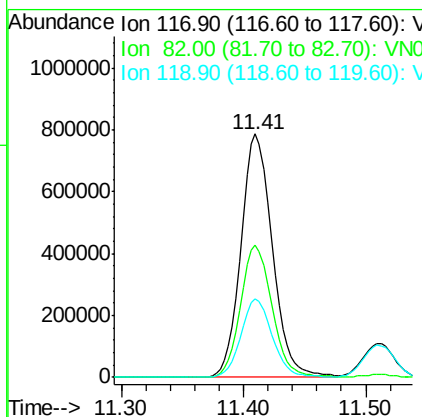
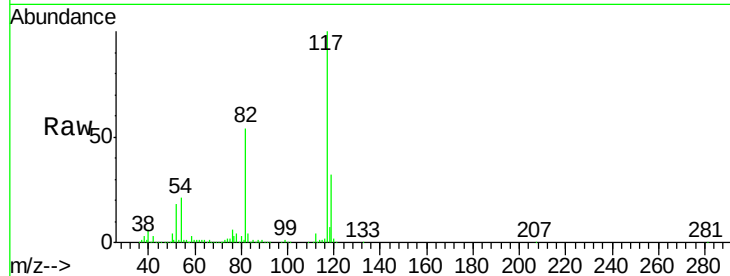
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampled :
VN0706MBS01

Tot Ion:117 Resp: 1399011
Ion Ratio Lower Upper
117 100
82 54.2 41.9 62.9
119 32.3 25.4 38.2

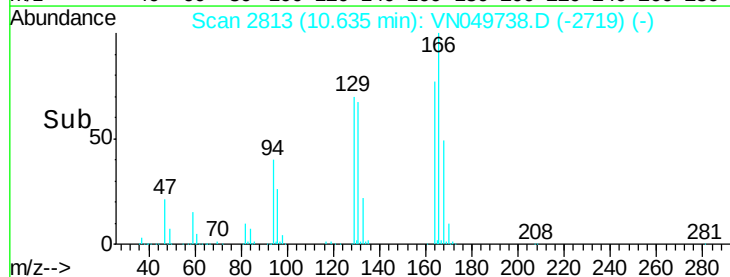
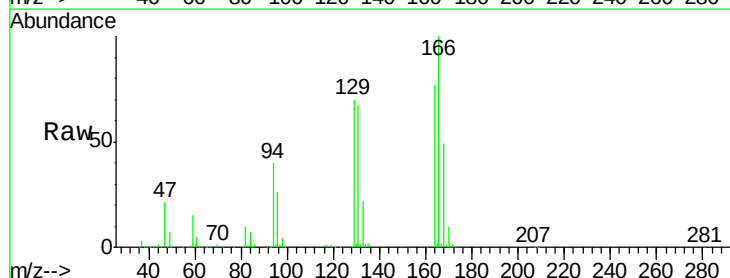
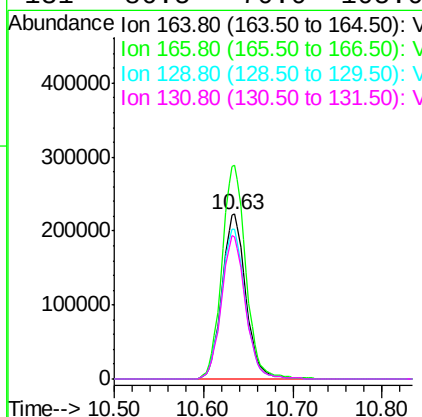
Manual Integrations
APPROVED

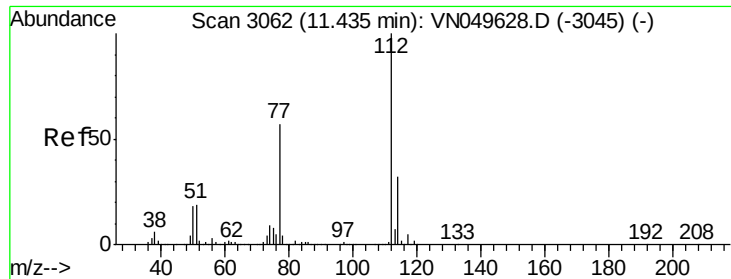
MMDadoda
7/9/2018 6:00:32 PM



#64
Tetrachloroethene
Concen: 21.724 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion:164 Resp: 411528
Ion Ratio Lower Upper
164 100
166 129.8 101.8 152.6
129 90.9 72.8 109.2
131 86.5 70.0 105.0





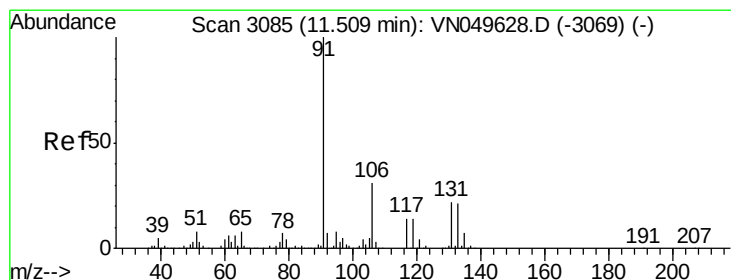
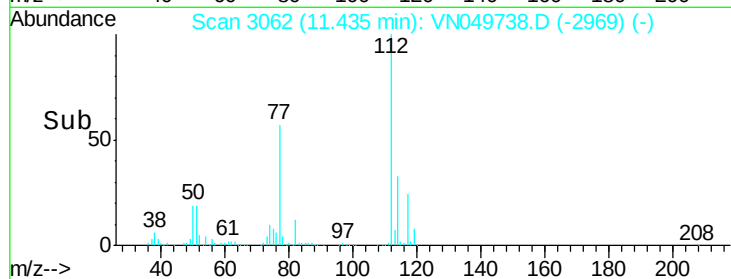
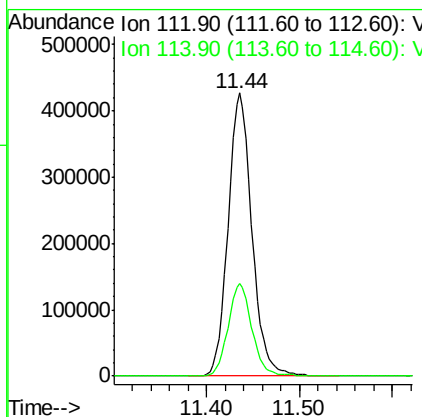
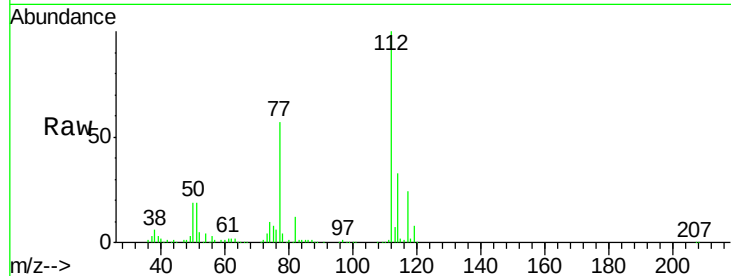
#65
Chlorobenzene
Concen: 20.836 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampled :
VN0706MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.0

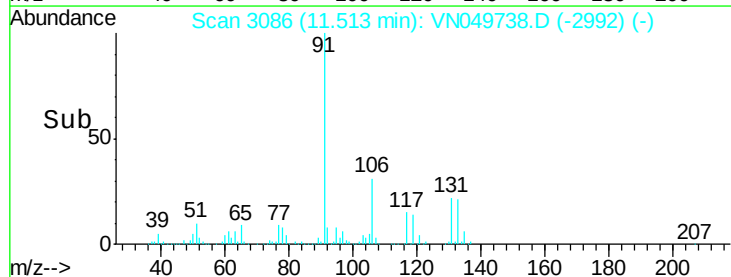
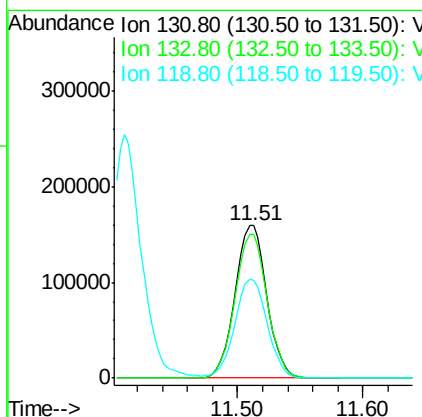
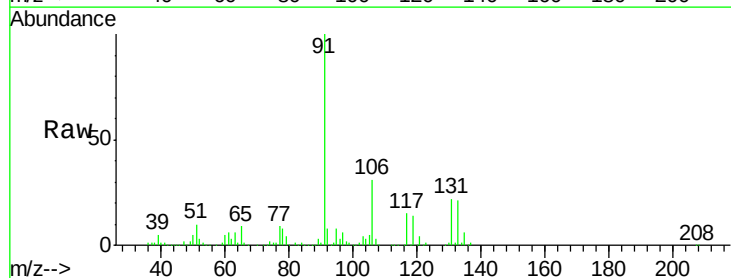
Manual Integrations
APPROVED

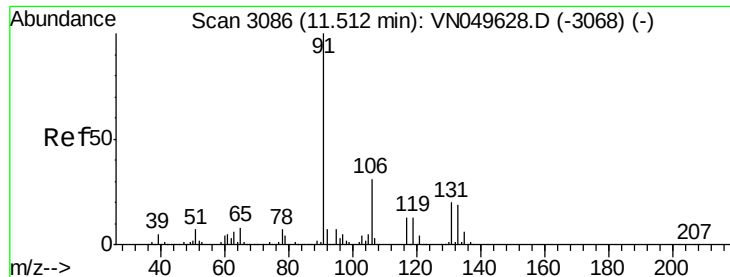
MMDadoda
7/9/2018 6:00:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.426 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.5	142.6
119	66.5	33.1	99.3





#67

Ethyl Benzene

Concen: 20.952 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0706MBS01

Tot Ion: 91 Resp: 1263989

Ion Ratio Lower Upper

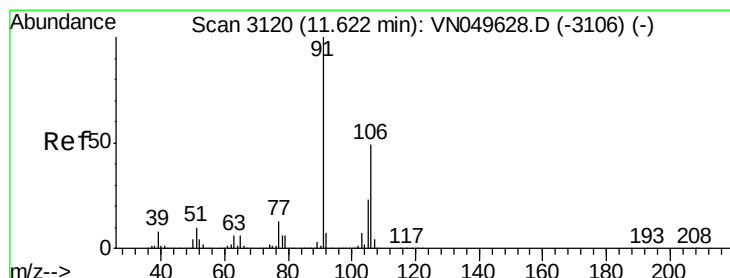
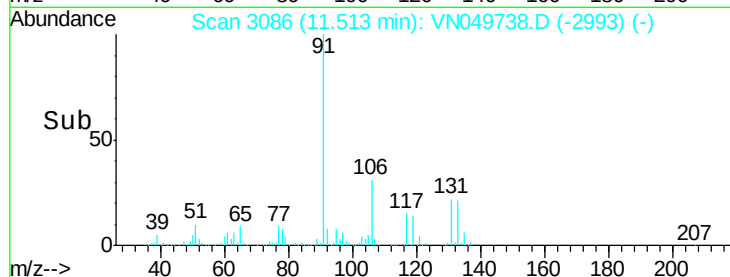
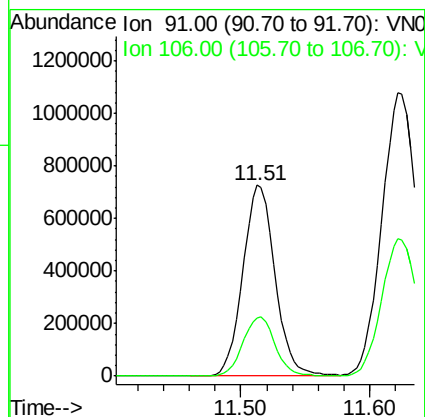
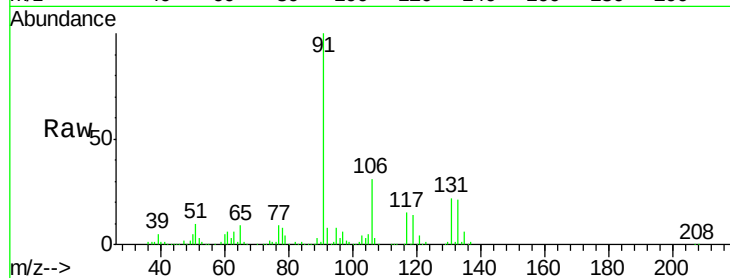
91 100

106 30.7 24.8 37.2

Manual Integrations
APPROVED

MMDadoda

7/9/2018 6:00:32 PM



#68

m/p-Xylenes

Concen: 43.928 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049738.D

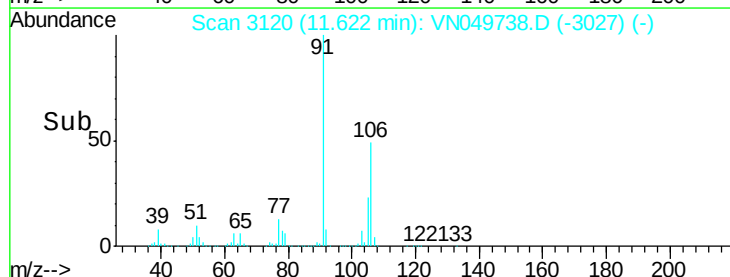
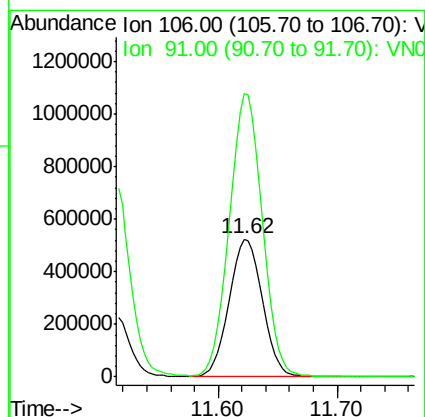
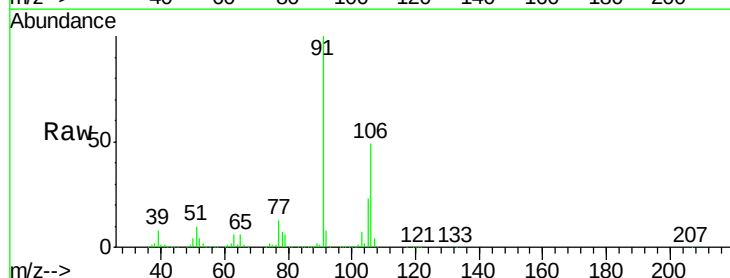
Acq: 6 Jul 2018 14:54

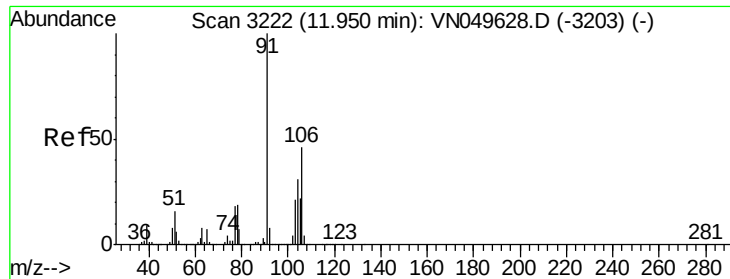
Tgt Ion: 106 Resp: 1015617

Ion Ratio Lower Upper

106 100

91 204.0 163.4 245.2





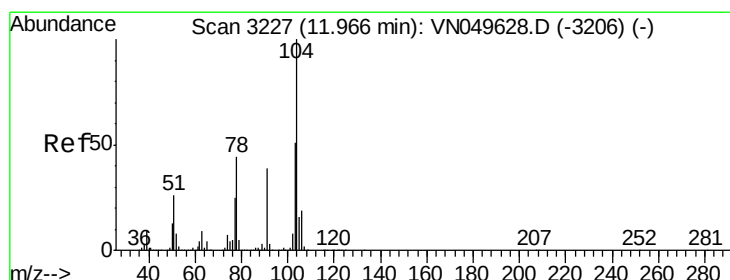
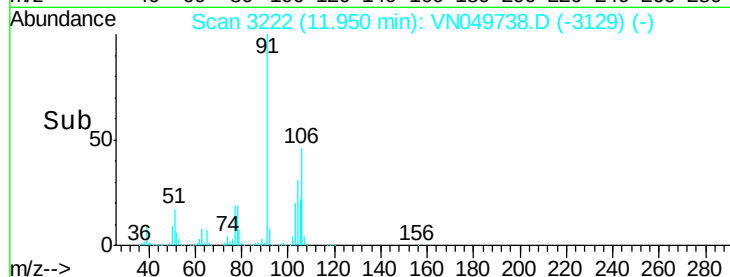
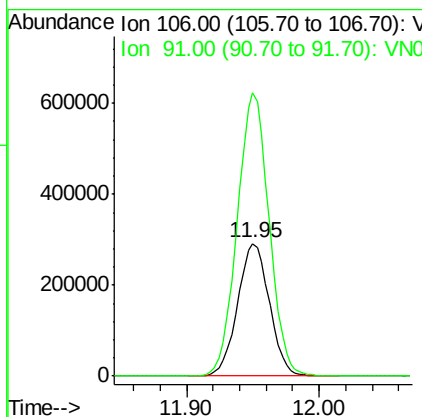
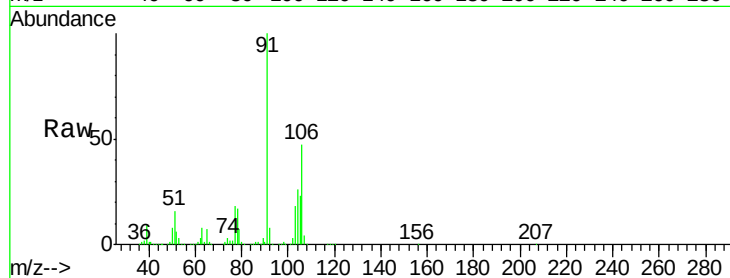
#69
o-Xylene
Concen: 22.011 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VN0706MBS01

Tot Ion:106 Resp: 487232
Ion Ratio Lower Upper
106 100
91 213.5 108.7 326.1

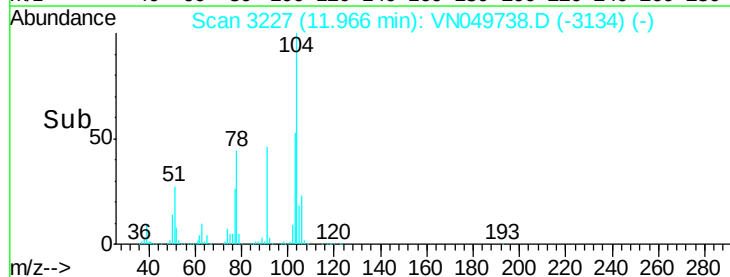
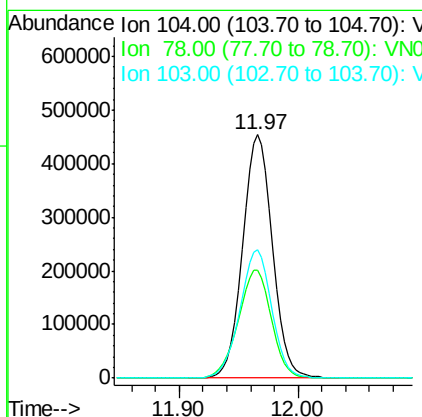
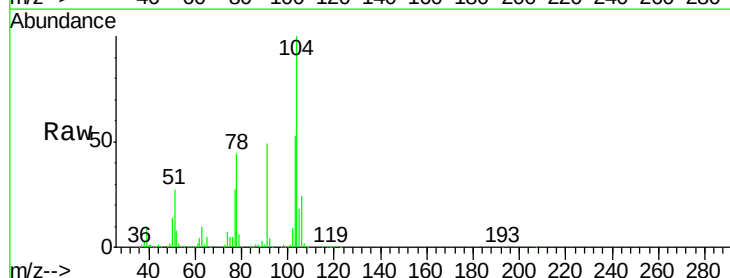
Manual Integrations
APPROVED

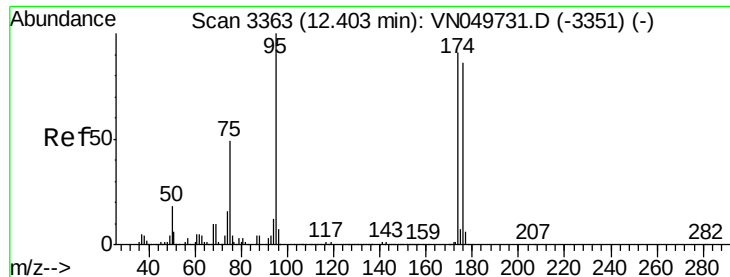
MMDadoda
7/9/2018 6:00:32 PM



#70
Styrene
Concen: 22.012 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion:104 Resp: 788377
Ion Ratio Lower Upper
104 100
78 49.2 39.2 58.8
103 56.5 44.6 67.0





#71

Bromoform

Concen: 22.248 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

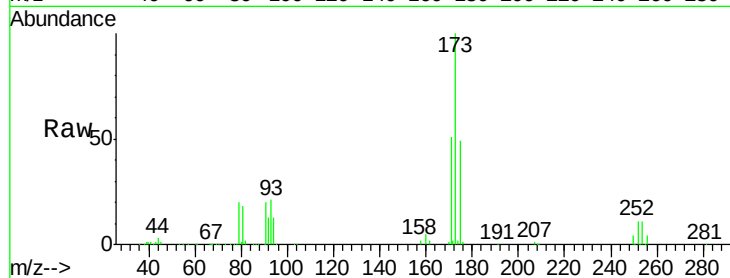
ClientSampled :

VN0706MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.1	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:32 PM

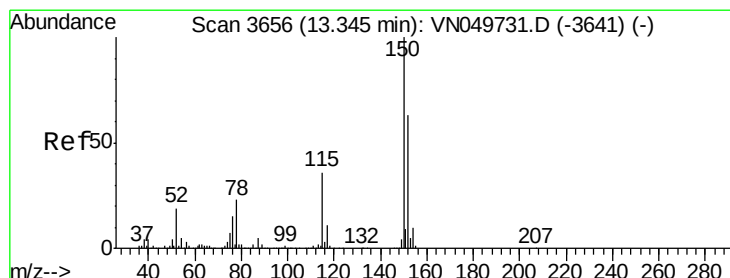
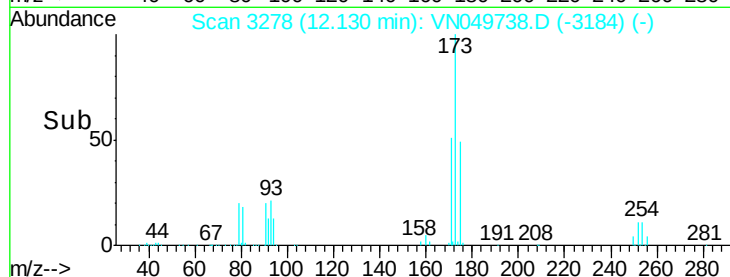
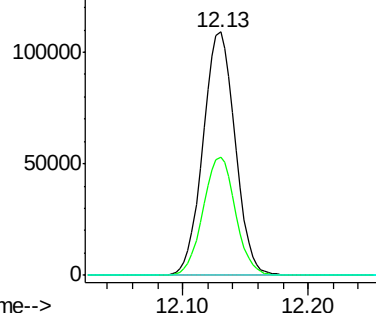


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

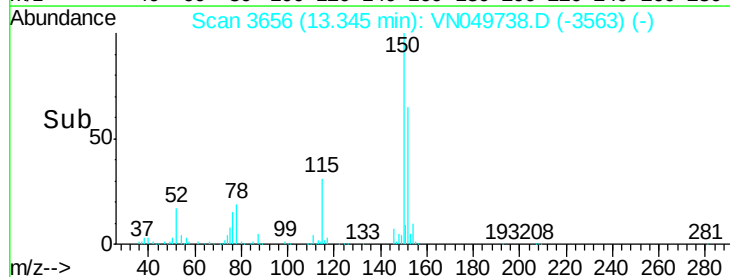
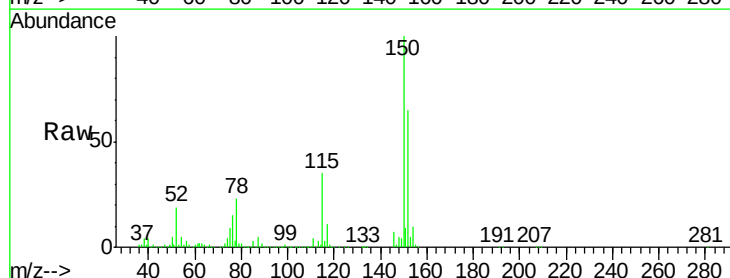
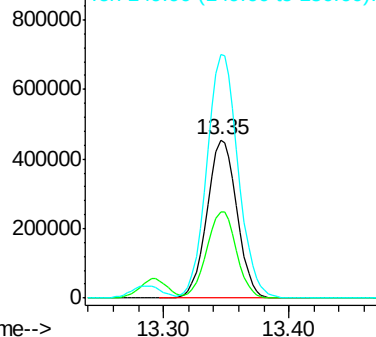
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	28.1	84.2
150	162.1	0.0	347.6

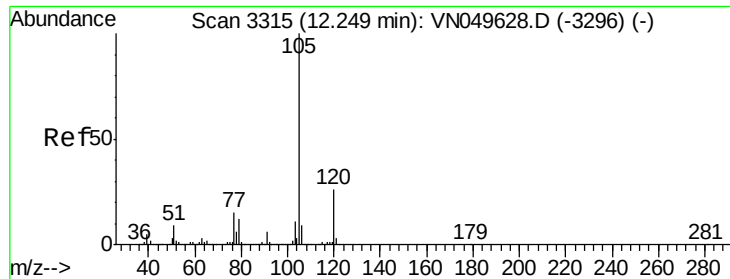
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





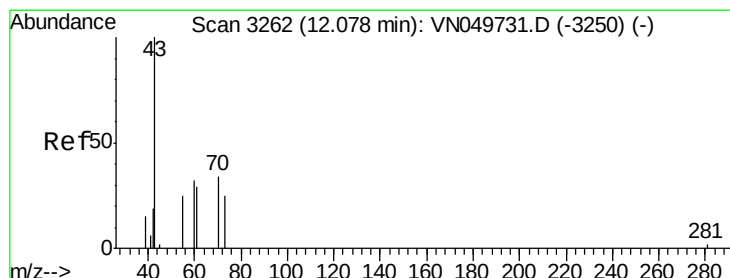
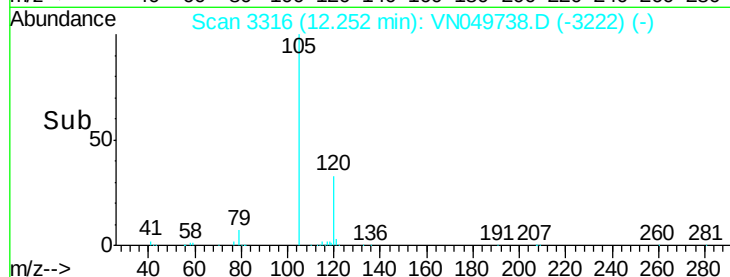
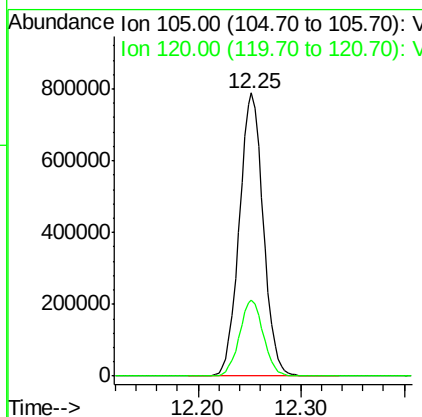
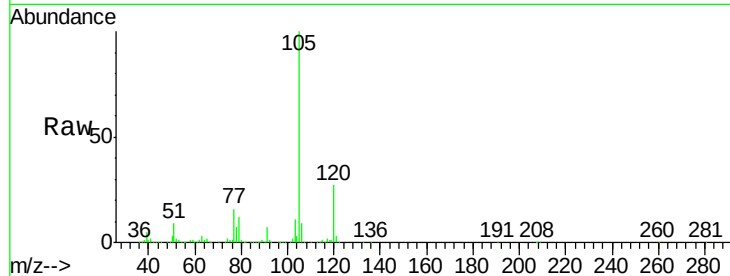
#73
Isopropylbenzene
Concen: 21.319 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VN0706MBS01

Tot Ion:105 Resp: 1272341
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.8

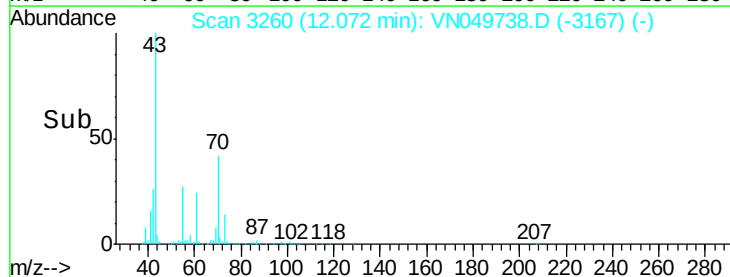
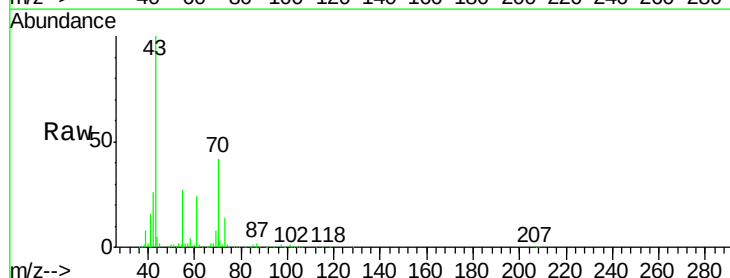
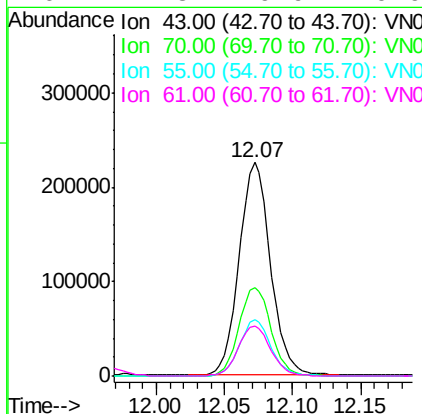
Manual Integrations
APPROVED

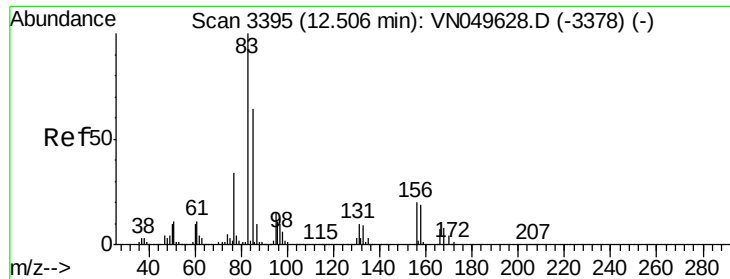
MMDadoda
7/9/2018 6:00:32 PM



#74
N-ethyl acetate
Concen: 22.071 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion: 43 Resp: 359805
Ion Ratio Lower Upper
43 100
70 42.7 34.8 52.2
55 26.5 20.9 31.3
61 24.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 25.704 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

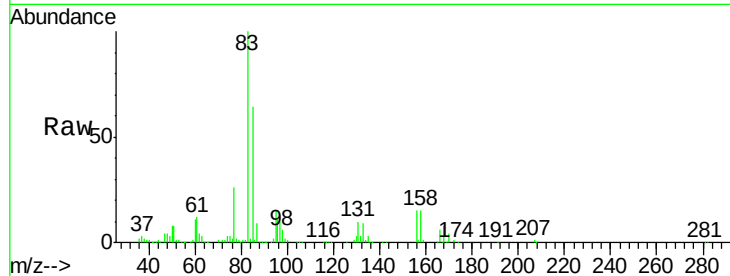
ClientSampled :

VN0706MBS01

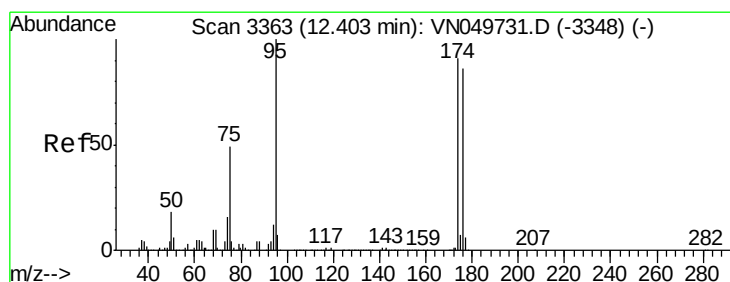
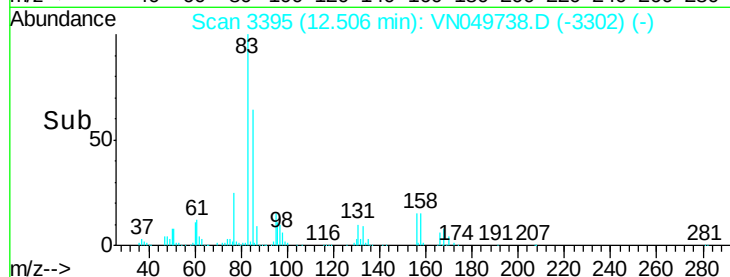
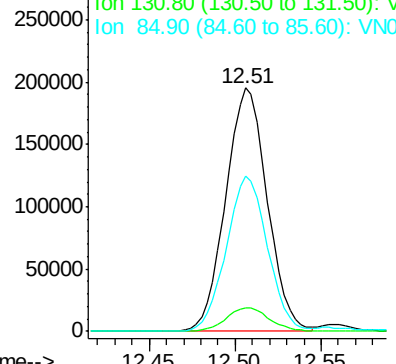
Tot Ion:	83	Resp:	326999
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	63.2	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:32 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049738.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 24.485 ug/l m

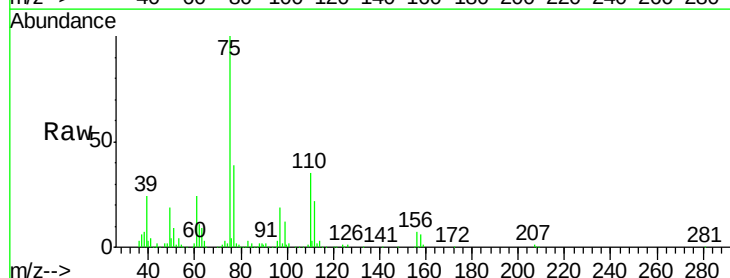
RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

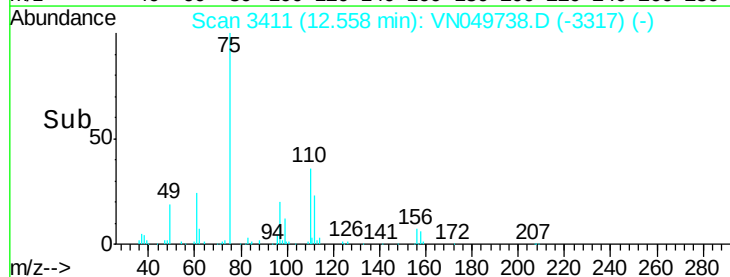
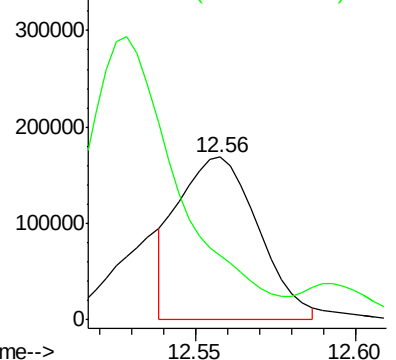
Lab File: VN049738.D

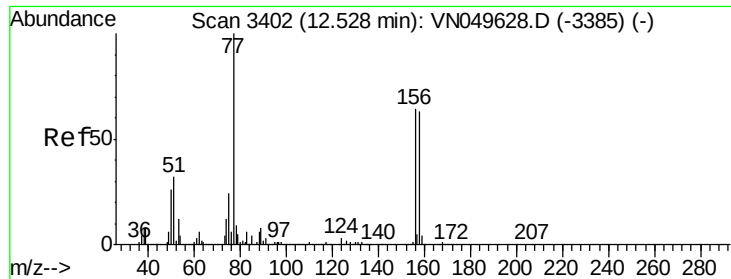
Acq: 6 Jul 2018 14:54

Tgt Ion:	75	Resp:	294224
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049738.D (-3317) (-)





#77

Bromobenzene

Concen: 20.527 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

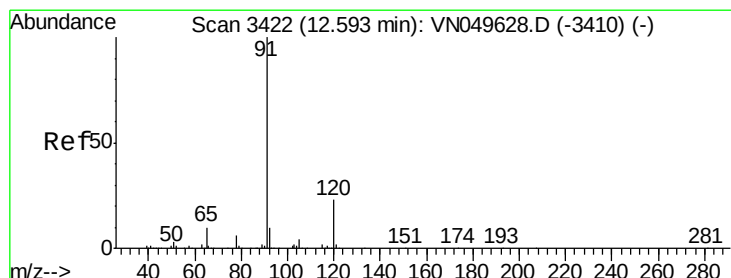
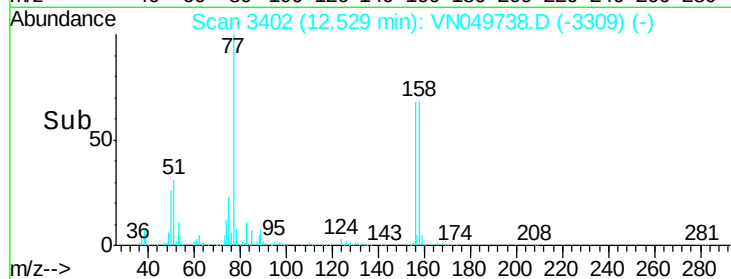
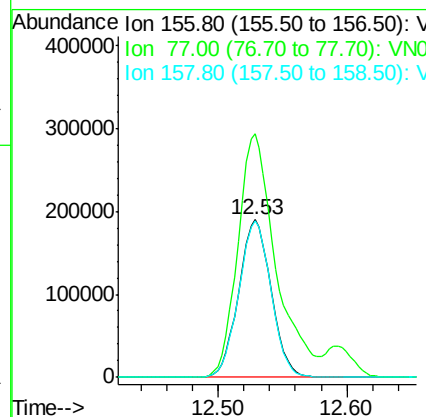
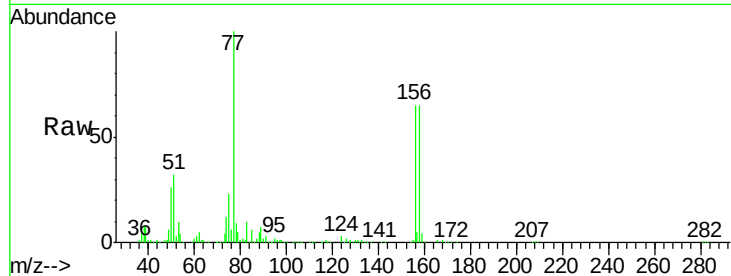
ClientSampleId :

VN0706MBS01

Tot Ion:	156	Resp:	333136
Ion Ratio	Lower	Upper	
156	100		
77	180.2	90.2	270.6
158	98.3	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:32 PM



#78

n-propylbenzene

Concen: 21.541 ug/l

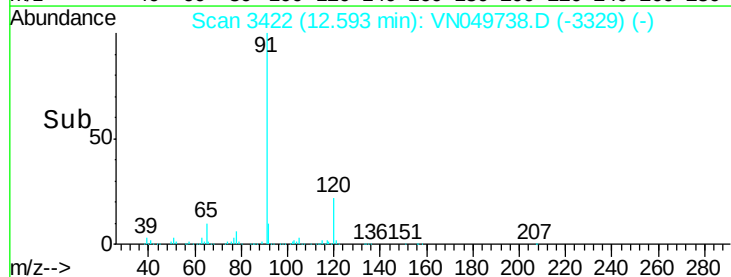
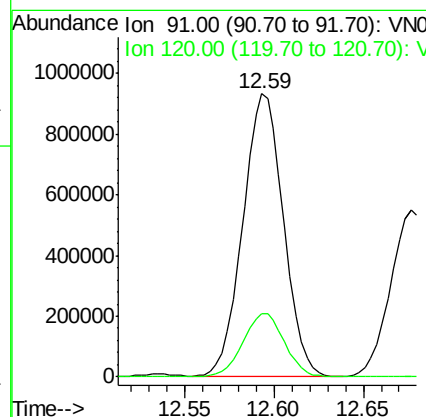
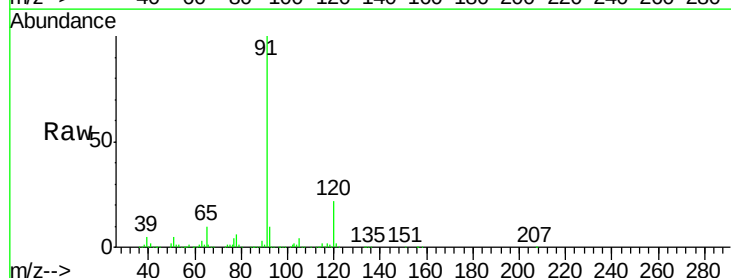
RT: 12.59 min Scan# 3422

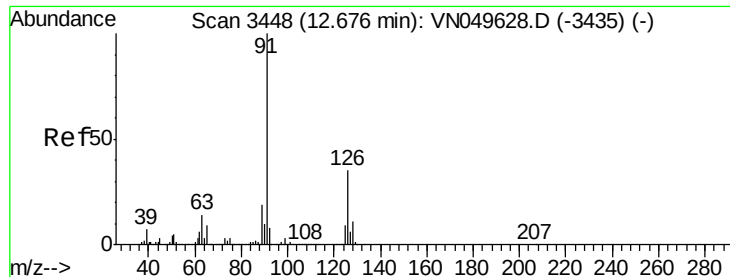
Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Tgt Ion:	91	Resp:	1473393
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.4





#79

2-Chlorotoluene

Concen: 21.014 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0706MBS01

Tot Ion: 91 Resp: 909685

Ion Ratio Lower Upper

91 100

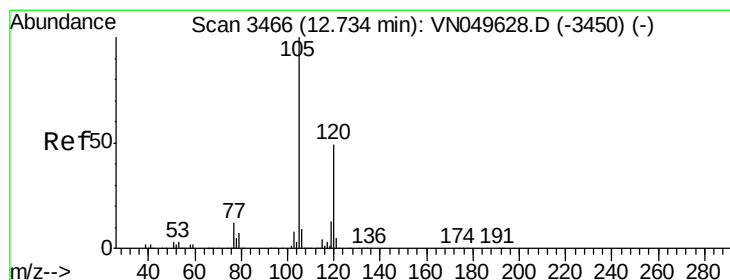
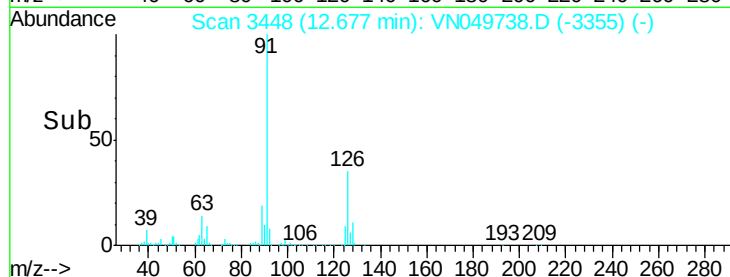
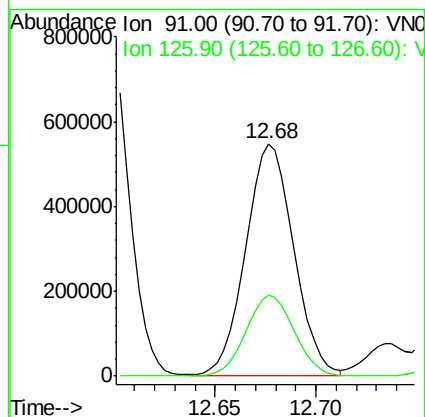
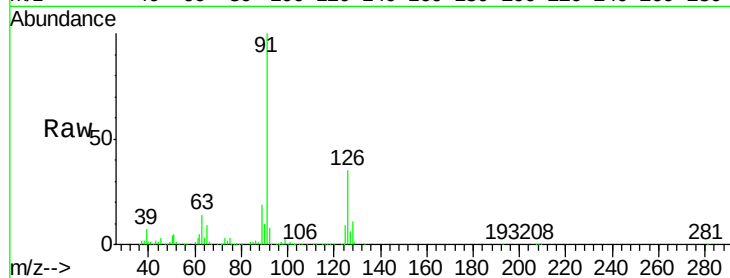
126 35.2 17.5 52.5

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:32 PM



#80

1,3,5-Trimethylbenzene

Concen: 22.312 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049738.D

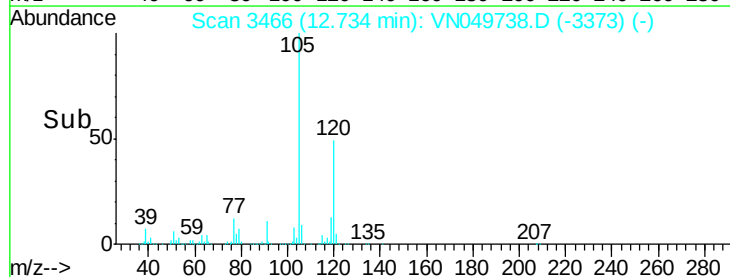
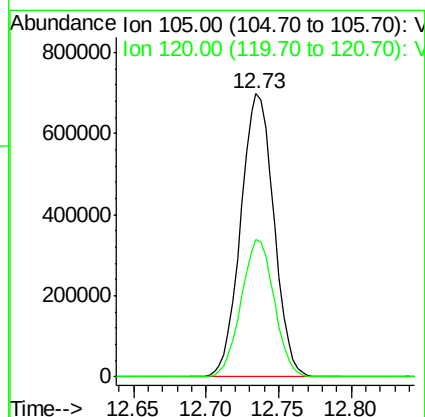
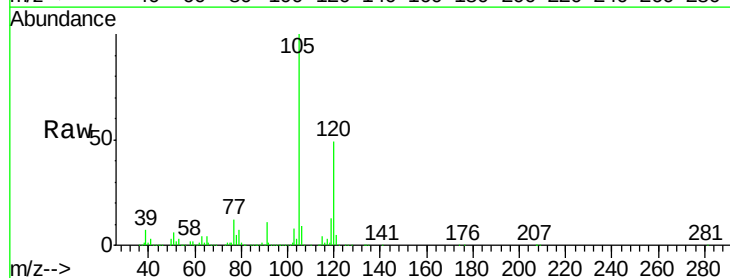
Acq: 6 Jul 2018 14:54

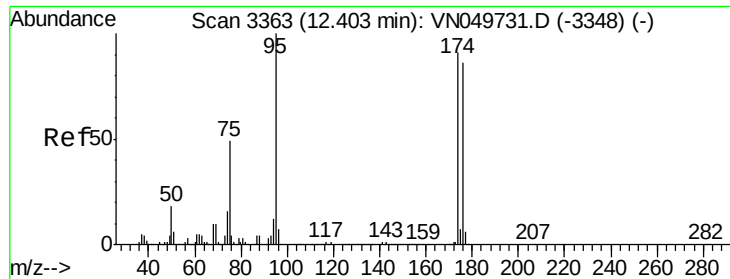
Tgt Ion: 105 Resp: 1106582

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.860 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

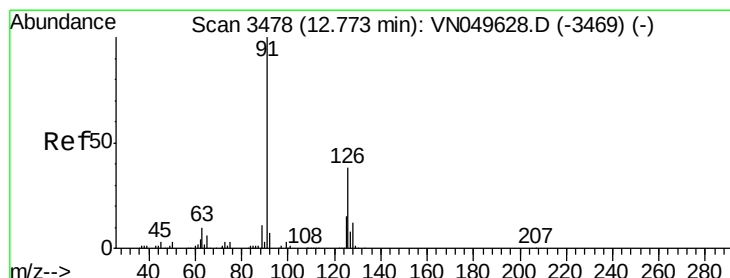
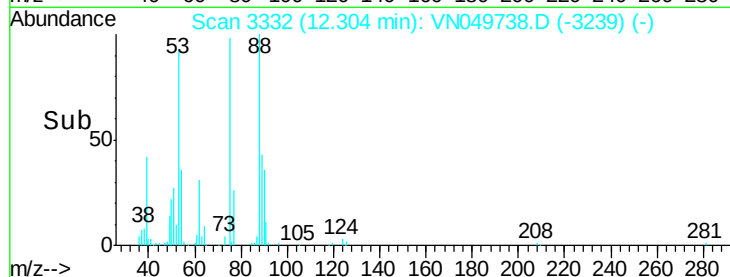
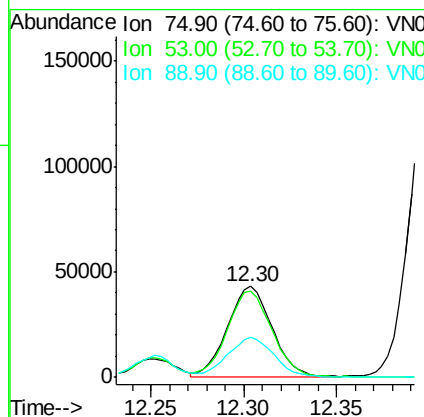
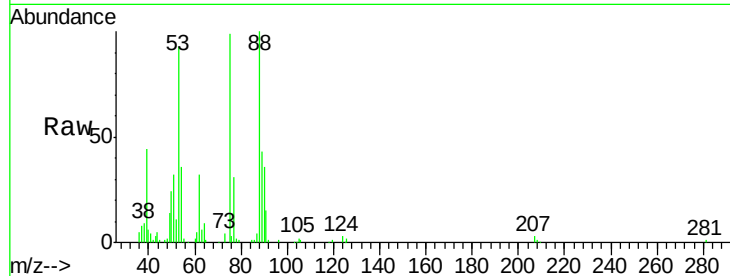
ClientSampled :

VN0706MBS01

Tot Ion:	75	Resp:	70263
Ion	Ratio	Lower	Upper
75	100		
53	98.7	73.9	110.9
89	47.2	35.9	53.9

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:32 PM



#82

4-Chlorotoluene

Concen: 20.959 ug/l

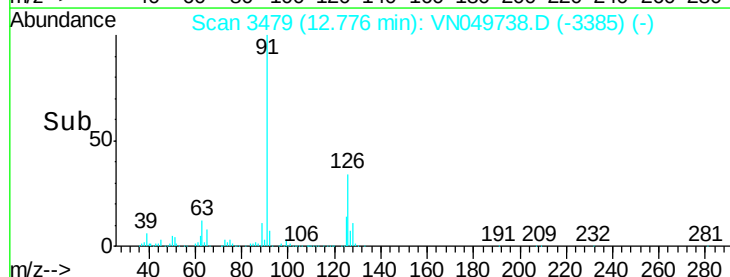
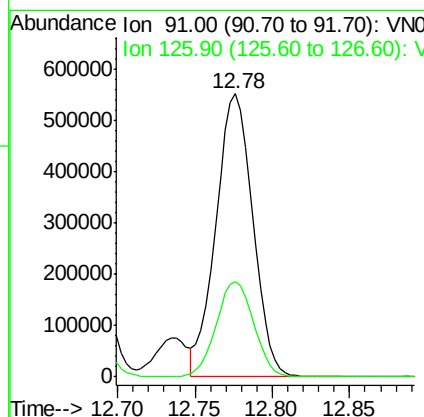
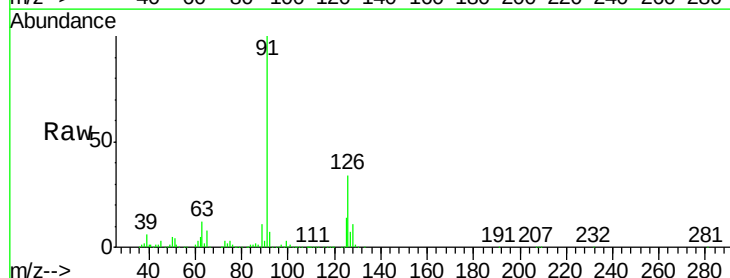
RT: 12.78 min Scan# 3479

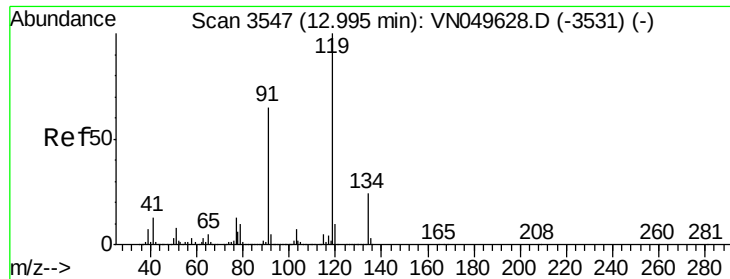
Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Tgt Ion:	91	Resp:	912289
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.2	51.6





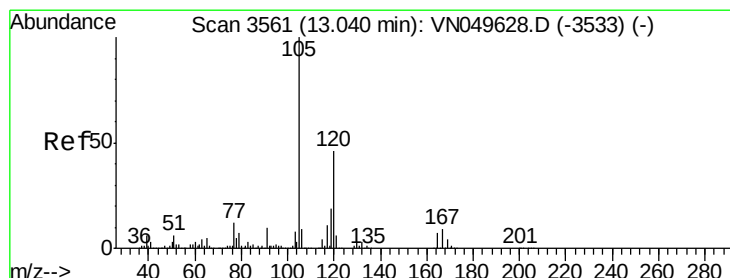
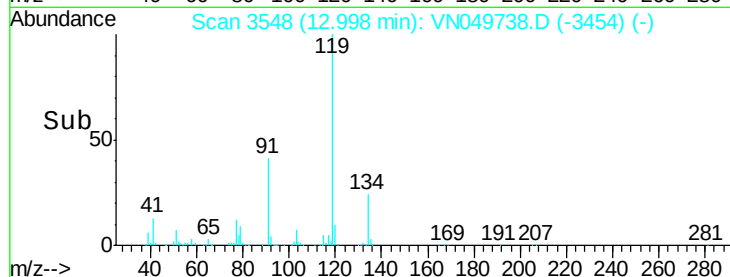
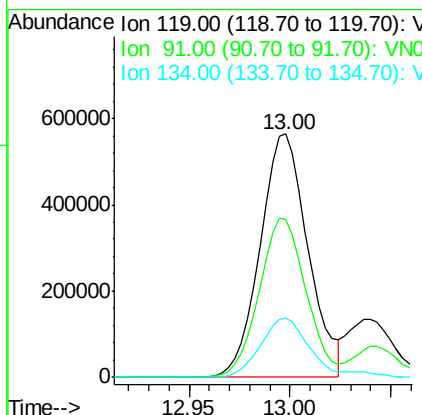
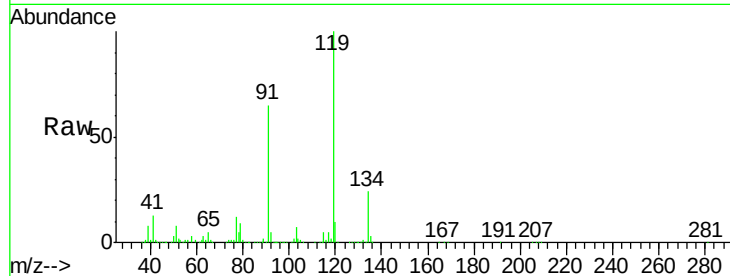
#83
 tert-Butylbenzene
 Concen: 21.810 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.0	96.2
134	24.2	12.8	38.4

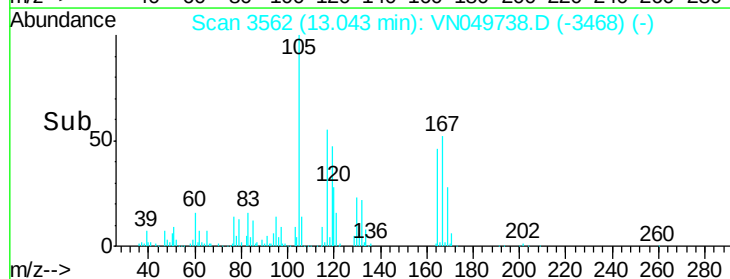
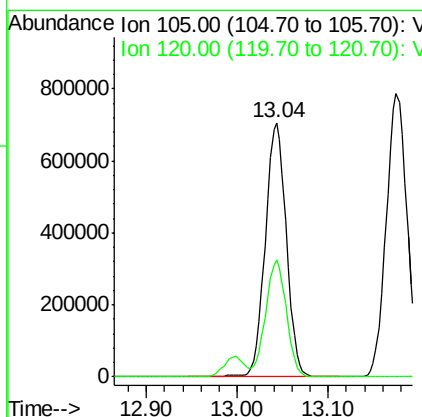
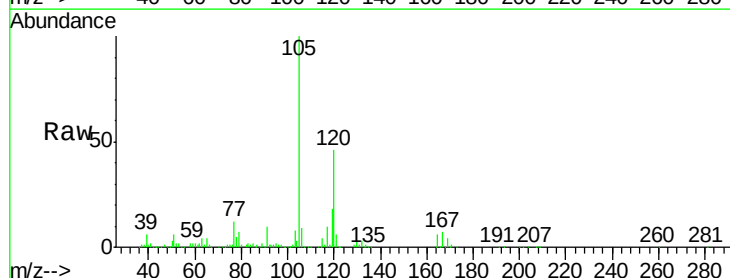
Manual Integrations
 APPROVED

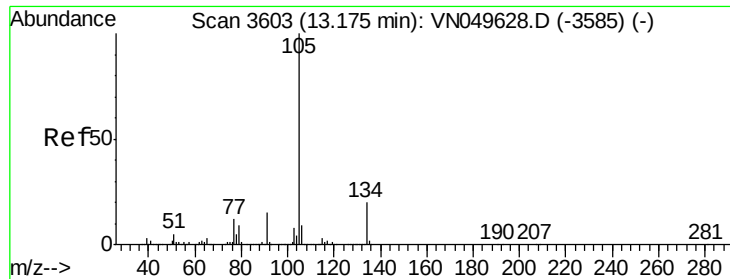
MMDadoda
 7/9/2018 6:00:32 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.212 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.7	68.1





#85

sec-Butylbenzene

Concen: 22.118 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

Instrument :

MSVOA_N

ClientSampled :

VN0706MBS01

Tot Ion:105 Resp: 1248490

Ion Ratio Lower Upper

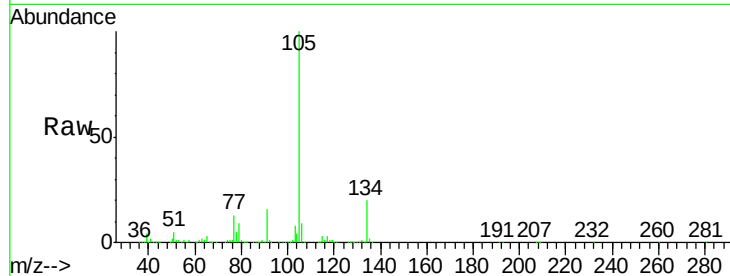
105 100

134 20.0 10.1 30.1

Manual Integrations
APPROVED

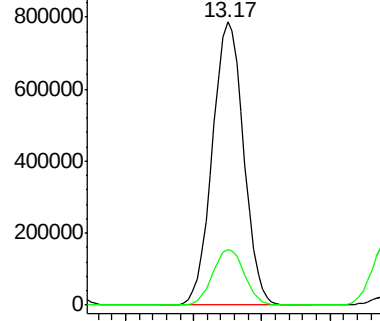
MMDadoda

7/9/2018 6:00:32 PM

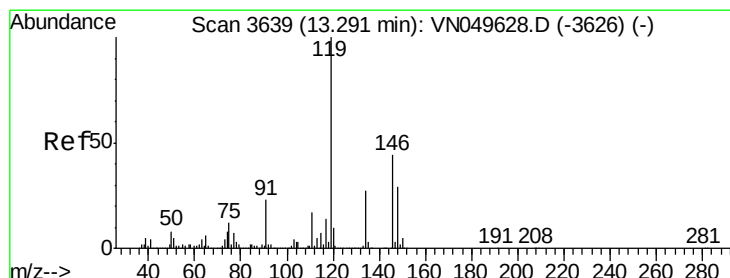
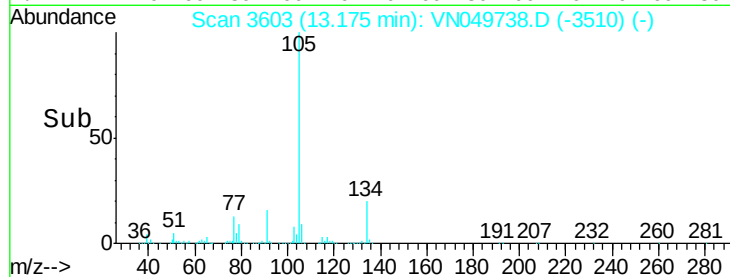


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 22.019 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049738.D

Acq: 6 Jul 2018 14:54

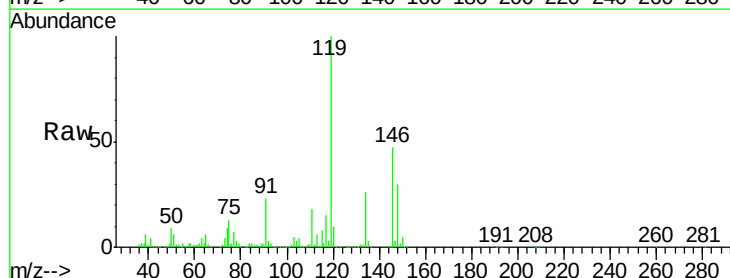
Tgt Ion:119 Resp: 1076568

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

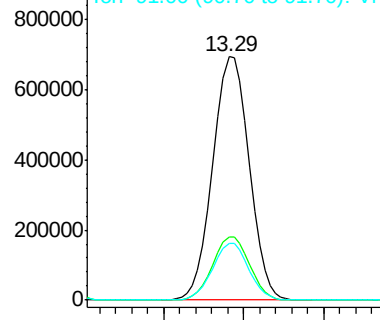
91 23.1 11.4 34.1



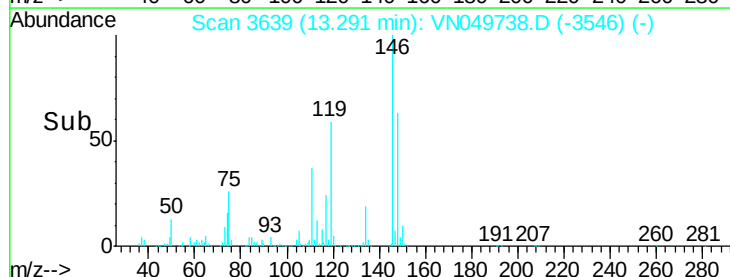
Abundance Ion 119.00 (118.70 to 119.70): V

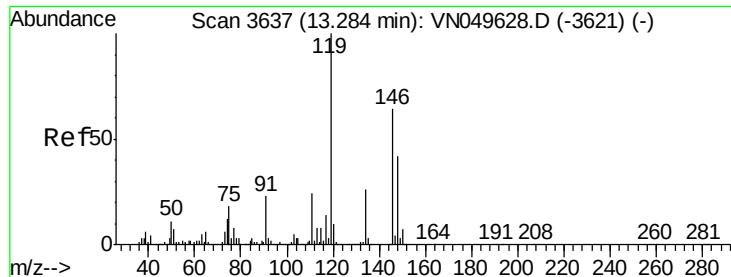
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





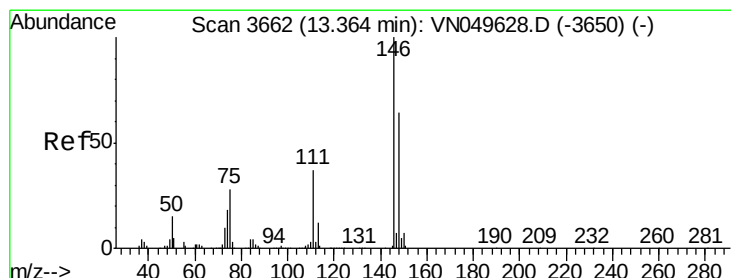
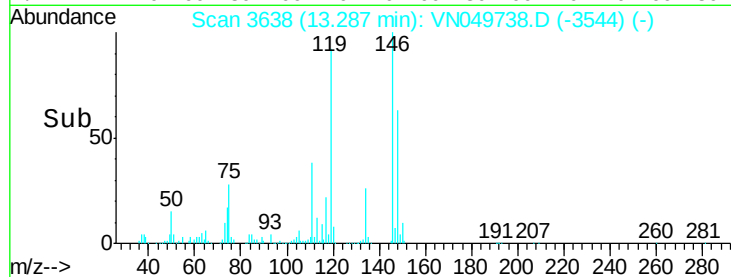
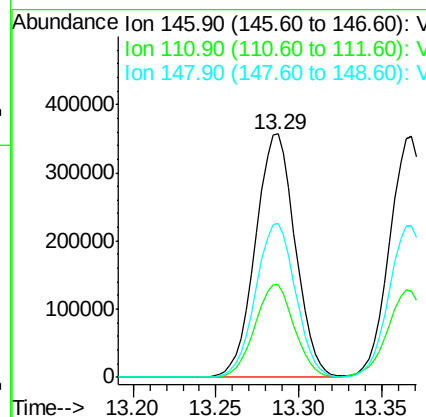
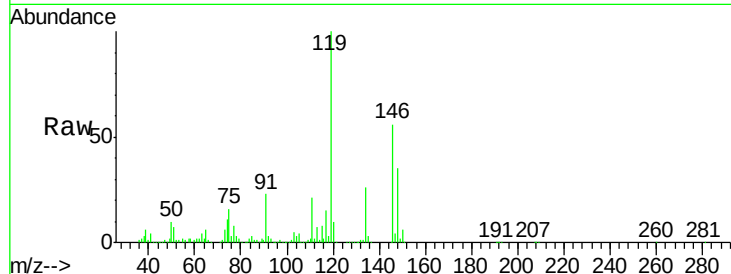
#87
 1,3-Dichlorobenzene
 Concen: 21.374 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.0	57.0
148	63.2	32.5	97.5

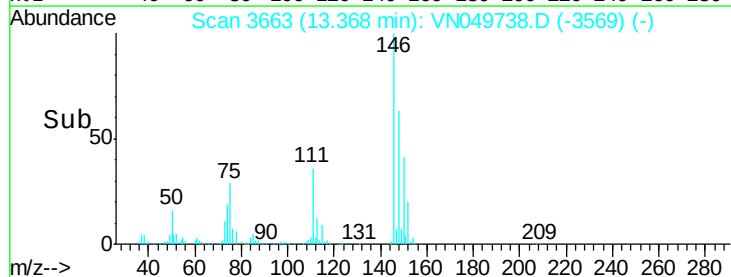
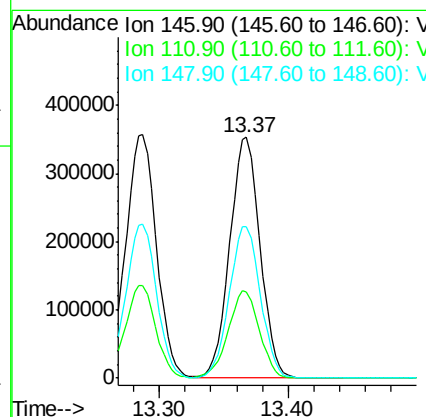
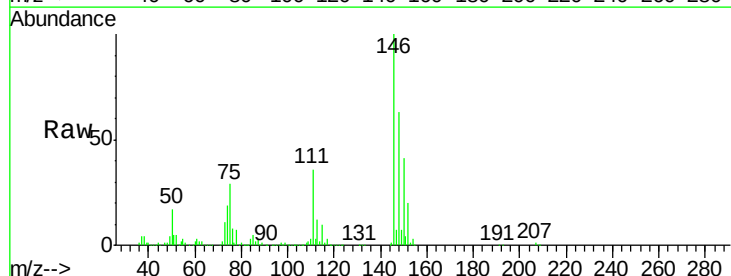
Manual Integrations
 APPROVED

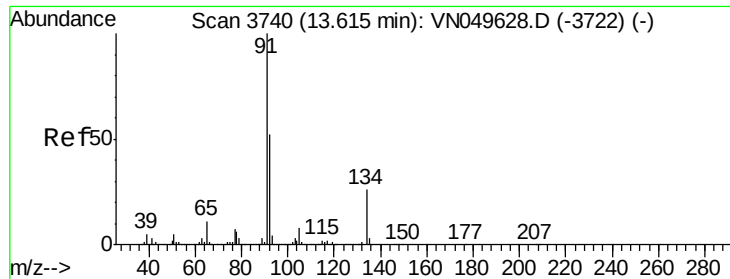
MMDadoda
 7/9/2018 6:00:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.046 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.5
148	64.7	32.1	96.3





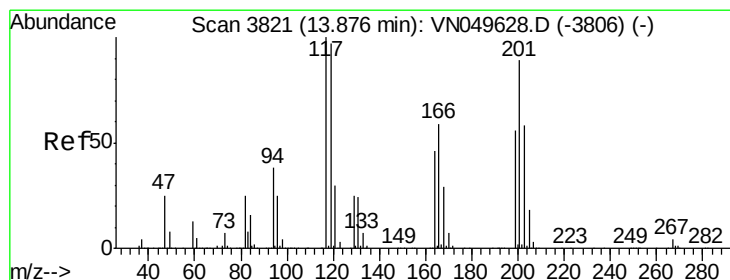
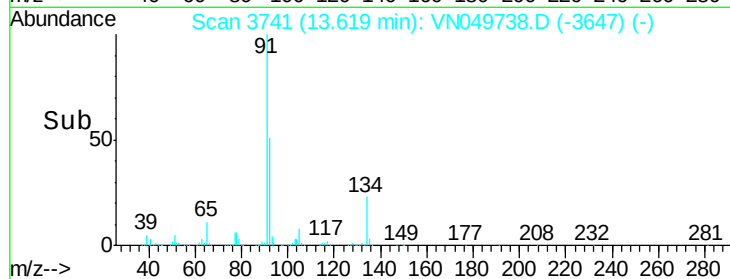
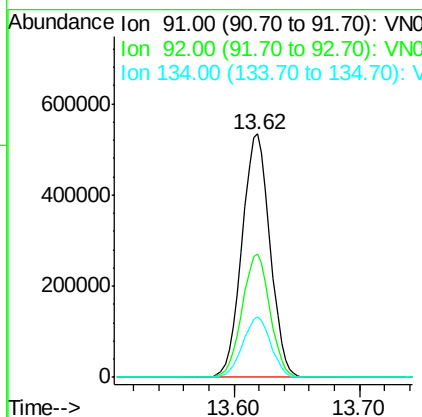
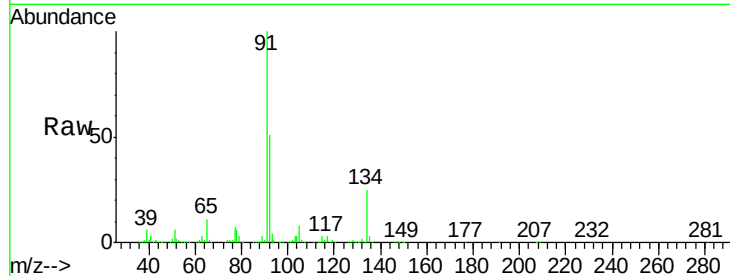
#89
n-Butylbenzene
Concen: 19.827 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VN0706MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.8	77.3
134	24.8	13.0	38.9

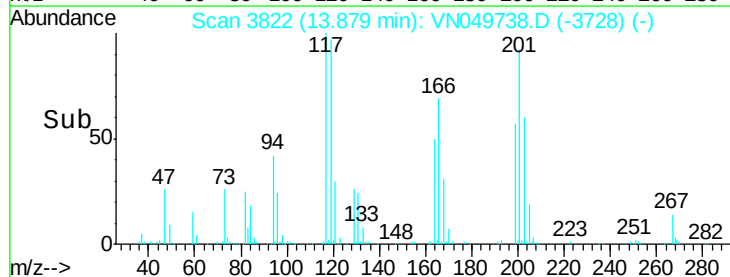
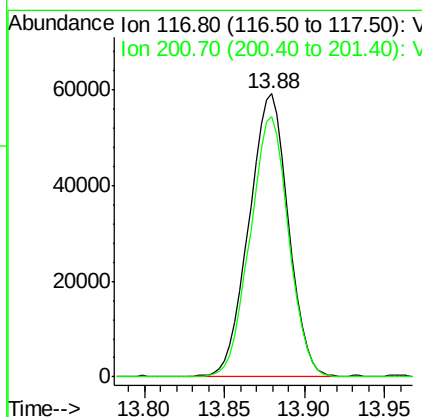
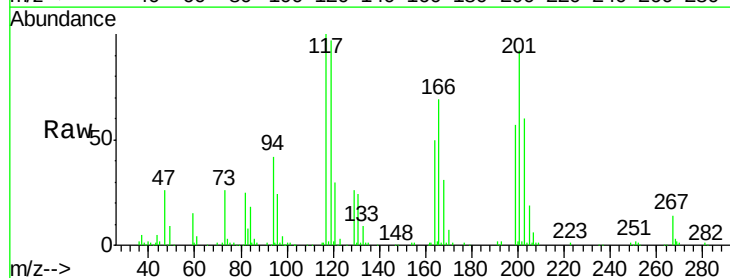
Manual Integrations
APPROVED

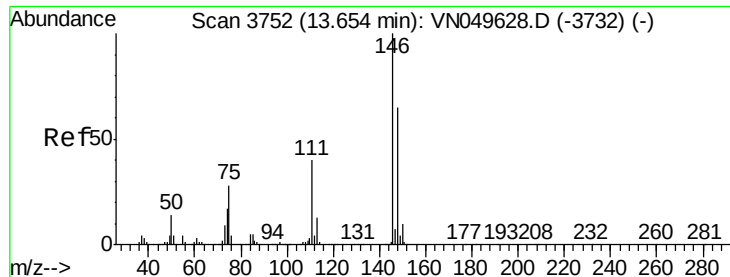
MMDadoda
7/9/2018 6:00:32 PM



#90
Hexachloroethane
Concen: 19.549 ug/l
RT: 13.88 min Scan# 3822
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	45.3	135.8





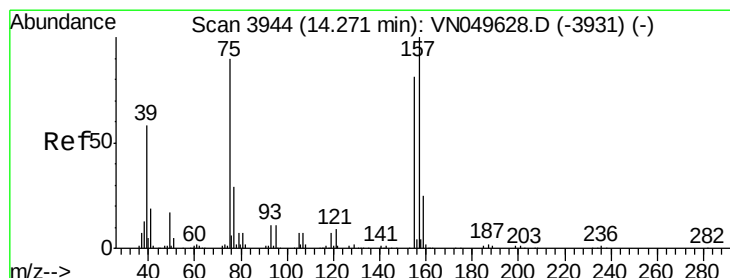
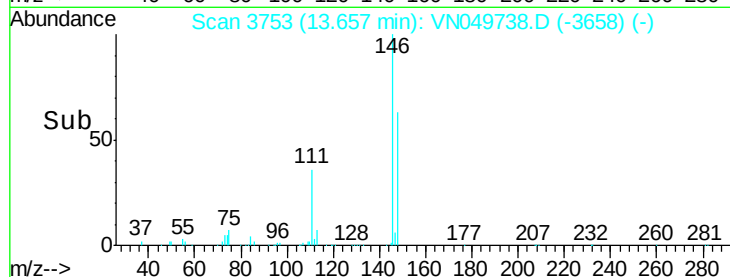
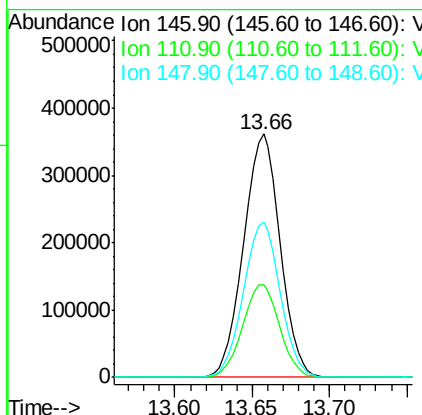
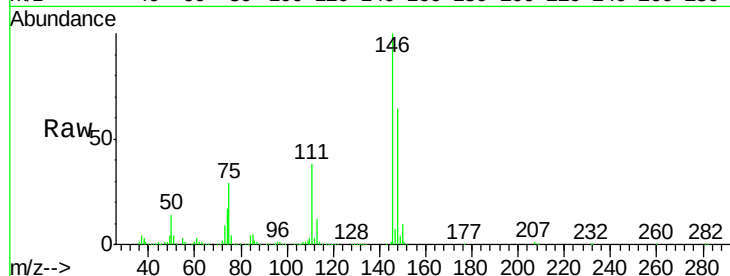
#91
 1,2-Dichlorobenzene
 Concen: 21.941 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.1
148	64.1	32.0	96.2

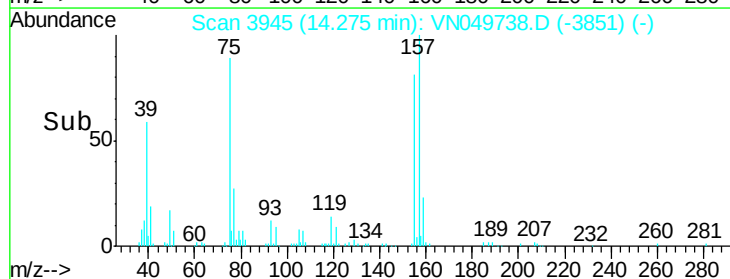
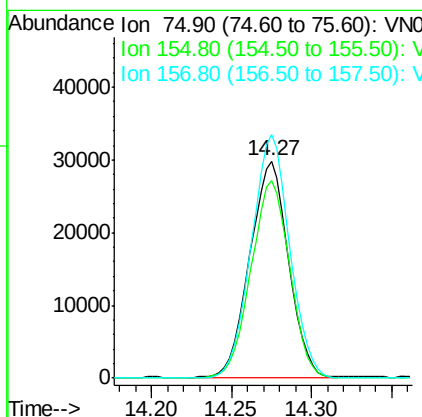
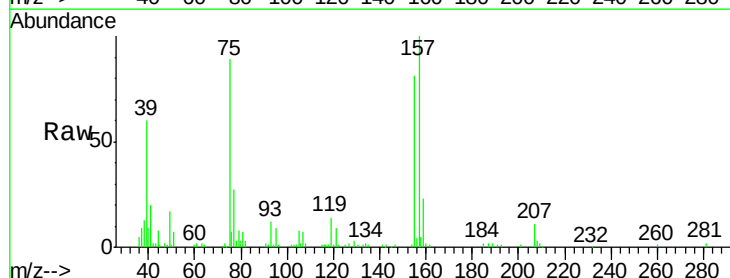
Manual Integrations
 APPROVED

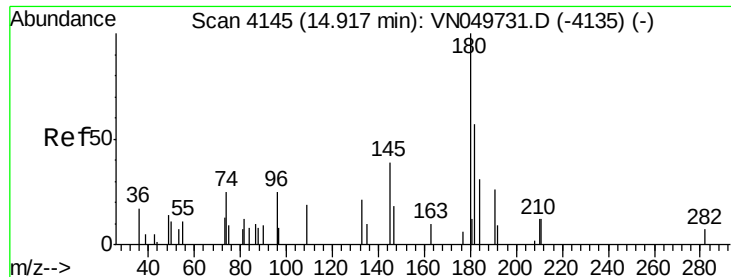
MMDadoda
 7/9/2018 6:00:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.347 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	45.7	137.1
157	110.9	56.9	170.7





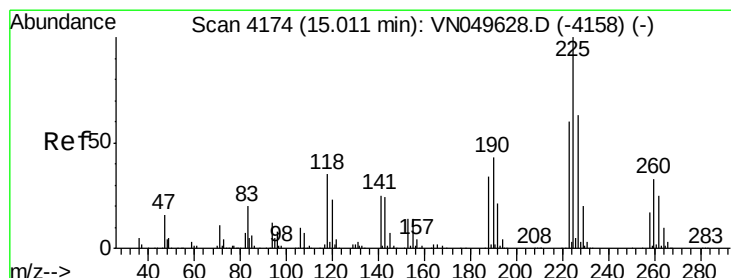
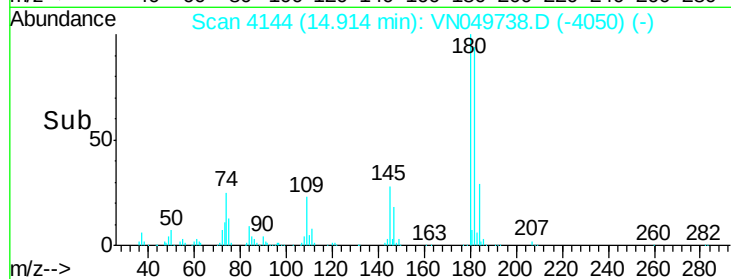
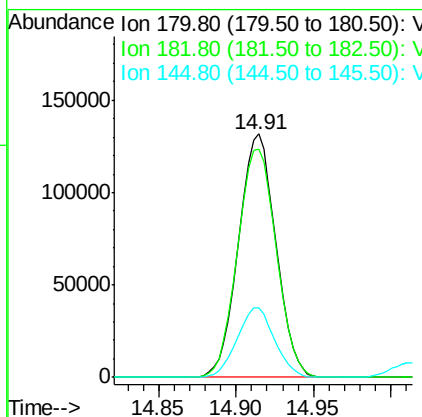
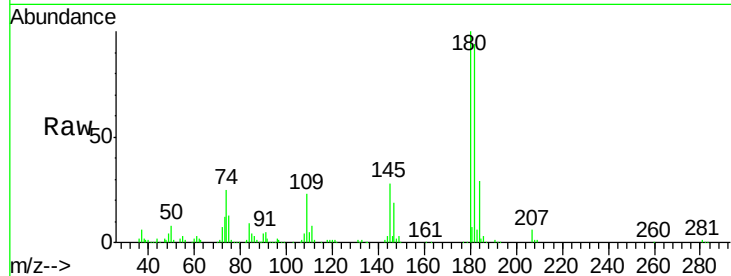
#93
 1,2,4-Trichlorobenzene
 Concen: 17.635 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	220893		
182	97.5	47.3	141.9	
145	28.6	14.4	43.0	

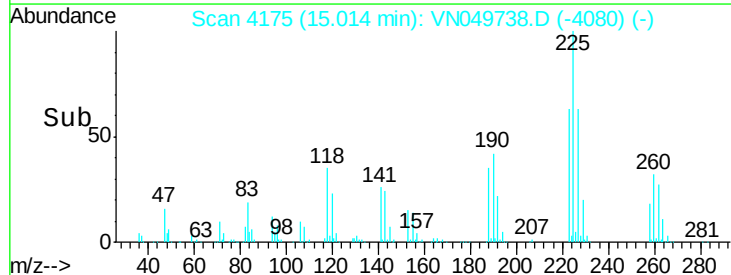
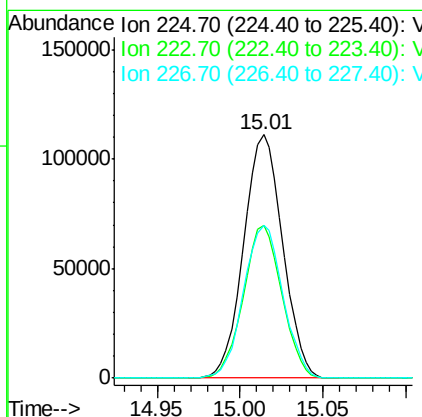
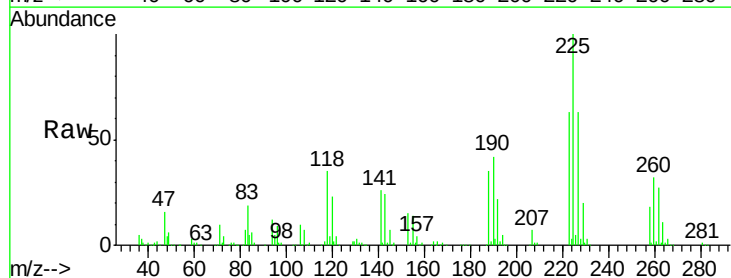
Manual Integrations
 APPROVED

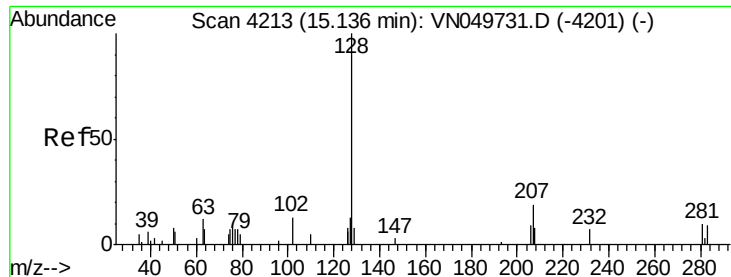
MMDadoda
 7/9/2018 6:00:32 PM



#94
 Hexachlorobutadiene
 Concen: 21.537 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049738.D
 Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	181503		
223	61.9	30.9	92.7	
227	63.5	31.8	95.4	





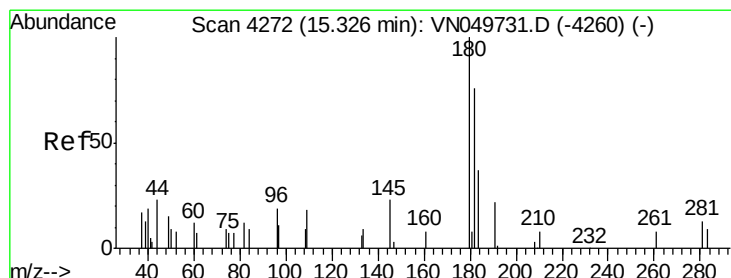
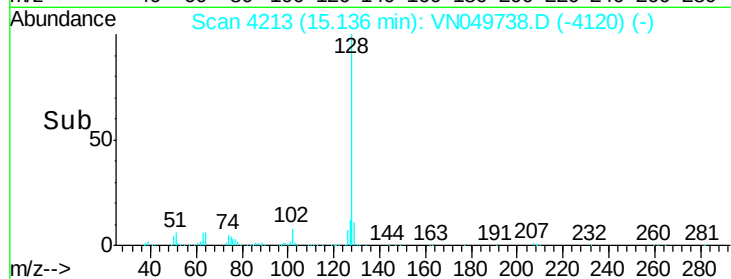
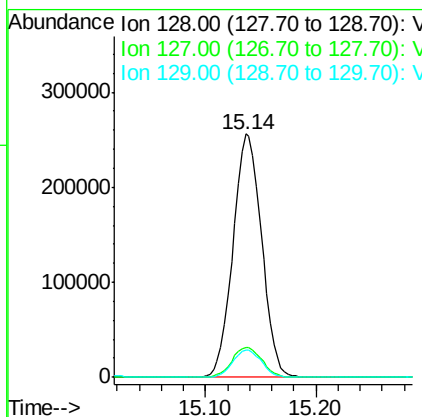
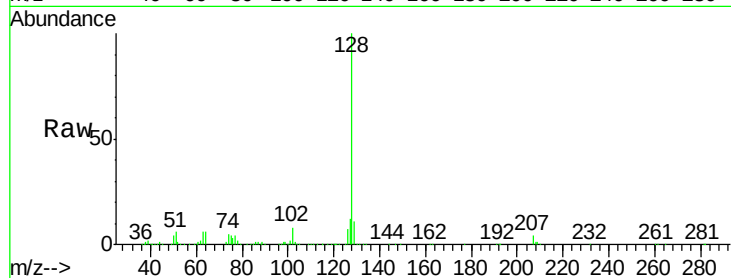
#95
Naphthalene
Concen: 17.975 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VN0706MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	461287		
127	12.9	10.4	15.6	
129	11.4	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.345 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049738.D
Acq: 6 Jul 2018 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	239906		
182	94.2	47.4	142.2	
145	30.8	15.2	45.6	

