

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050566.D
 Acq On : 13 Aug 2018 14:19
 Operator : MD\SY
 Sample : VN0813WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 12:51:01 PM

Quant Time: Aug 14 01:43:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	603849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	934311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	855218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	409971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	411071	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
35) Dibromofluoromethane	7.59	113	374810	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.09	98	1309274	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
62) 4-Bromofluorobenzene	12.40	95	424770	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	105077	15.68	ug/l	99
3) Chloromethane	2.06	50	151271	18.17	ug/l	98
4) Vinyl Chloride	2.18	62	148158	17.08	ug/l	99
5) Bromomethane	2.56	94	94790	22.63	ug/l	98
6) Chloroethane	2.70	64	97400	18.22	ug/l	99
7) Trichlorofluoromethane	3.01	101	190496	17.00	ug/l	97
8) Diethyl Ether	3.41	74	82994	20.20	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	120945	17.47	ug/l	99
10) Methyl Iodide	3.95	142	72596	23.79	ug/l	99
11) Tert butyl alcohol	4.79	59	47866m	73.85	ug/l	
12) 1,1-Dichloroethene	3.73	96	112400	17.22	ug/l	98
13) Acrolein	3.61	56	33979	52.90	ug/l	99
14) Allyl chloride	4.32	41	196359	18.73	ug/l	97
15) Acrylonitrile	4.99	53	243722	89.77	ug/l	98
16) Acetone	3.82	43	213870	88.66	ug/l	97
17) Carbon Disulfide	4.05	76	326330	15.37	ug/l	99
18) Methyl Acetate	4.33	43	131169	20.87	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	361698	19.52	ug/l	100
20) Methylene Chloride	4.55	84	154317	20.04	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	132741	18.79	ug/l	99
22) Diisopropyl ether	5.96	45	459854	21.47	ug/l	99
23) Vinyl Acetate	5.90	43	1482880	97.04	ug/l	99
24) 1,1-Dichloroethane	5.85	63	262866	20.00	ug/l	99
25) 2-Butanone	6.84	43	340921	85.27	ug/l	97
26) 2,2-Dichloropropane	6.83	77	187354	17.29	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	156840	20.03	ug/l	100
28) Bromochloromethane	7.20	49	122966	20.33	ug/l	97
29) Tetrahydrofuran	7.22	42	180826	84.50	ug/l	98
30) Chloroform	7.37	83	270344	20.58	ug/l	99
31) Cyclohexane	7.66	56	189673	15.97	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	210172	18.63	ug/l	99
36) 1,1-Dichloropropene	7.79	75	175836	17.13	ug/l	100
37) Ethyl Acetate	6.93	43	126738	17.14	ug/l	98
38) Carbon Tetrachloride	7.78	117	178845	16.70	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050566.D
 Acq On : 13 Aug 2018 14:19
 Operator : MD\SY
 Sample : VN0813WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0813WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 12:51:01 PM

Quant Time: Aug 14 01:43:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	167883	14.98	ug/l	97
40) Benzene	8.04	78	599613	19.00	ug/l	99
41) Methacrylonitrile	7.18	41	65925	16.77	ug/l	84
42) 1,2-Dichloroethane	8.13	62	194686	19.43	ug/l	99
43) Isopropyl Acetate	8.17	43	220572	17.28	ug/l #	85
44) Trichloroethene	8.84	130	150473	17.74	ug/l	100
45) 1,2-Dichloropropane	9.12	63	165058	19.89	ug/l	98
46) Dibromomethane	9.21	93	97996	19.13	ug/l	99
47) Bromodichloromethane	9.40	83	204940	19.31	ug/l	100
48) Methyl methacrylate	9.20	41	107018	16.73	ug/l	99
49) 1,4-Dioxane	9.20	88	28675	290.84	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	776245	84.46	ug/l	100
52) Toluene	10.16	92	356656	18.81	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	195969	18.39	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	233931	19.67	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	140924	19.04	ug/l	99
56) Ethyl methacrylate	10.43	69	162596	16.70	ug/l	98
57) 1,3-Dichloropropane	10.71	76	233613	19.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	386509	84.22	ug/l	99
59) 2-Hexanone	10.75	43	491685	76.65	ug/l	99
60) Dibromochloromethane	10.90	129	152319	18.68	ug/l	97
61) 1,2-Dibromoethane	11.01	107	133714	18.33	ug/l	99
64) Tetrachloroethene	10.63	164	138437	17.32	ug/l	99
65) Chlorobenzene	11.44	112	390451	18.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	153414	19.66	ug/l	99
67) Ethyl Benzene	11.51	91	616352	17.78	ug/l	100
68) m/p-Xylenes	11.62	106	480507	36.42	ug/l	99
69) o-Xylene	11.95	106	236045	18.57	ug/l	100
70) Styrene	11.96	104	382475	18.51	ug/l	100
71) Bromoform	12.13	173	100104	17.55	ug/l #	98
73) Isopropylbenzene	12.25	105	591906	19.23	ug/l	100
74) N-amyl acetate	12.07	43	170274	17.07	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	167254	18.84	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	135302m	18.23	ug/l	
77) Bromobenzene	12.53	156	165989	20.13	ug/l	98
78) n-propylbenzene	12.59	91	656824	18.86	ug/l	100
79) 2-Chlorotoluene	12.68	91	424185	19.72	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	489714	19.60	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	35572	16.84	ug/l	96
82) 4-Chlorotoluene	12.77	91	427346	19.92	ug/l	99
83) tert-Butylbenzene	12.99	119	399422	18.33	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	505294	19.97	ug/l	99
85) sec-Butylbenzene	13.17	105	517443	17.81	ug/l	99
86) p-Isopropyltoluene	13.29	119	453470	18.22	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	274298	18.68	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	270191	18.43	ug/l	99
89) n-Butylbenzene	13.62	91	341841	16.13	ug/l	99
90) Hexachloroethane	13.88	117	82010	18.53	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	274840	18.67	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22236	14.75	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
Data File : VN050566.D
Acq On : 13 Aug 2018 14:19
Operator : MD\SY
Sample : VN0813WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

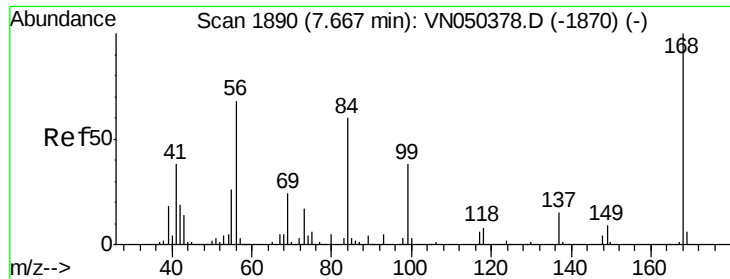
Manual Integrations
APPROVED

MMDadoda
8/14/2018 12:51:01 PM

Quant Time: Aug 14 01:43:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	121735	16.24	ug/l	99
94) Hexachlorobutadiene	15.01	225	74904	17.21	ug/l	98
95) Naphthalene	15.13	128	244220	15.03	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	119049	15.71	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion:168 Resp: 603849

Ion Ratio Lower Upper

168 100

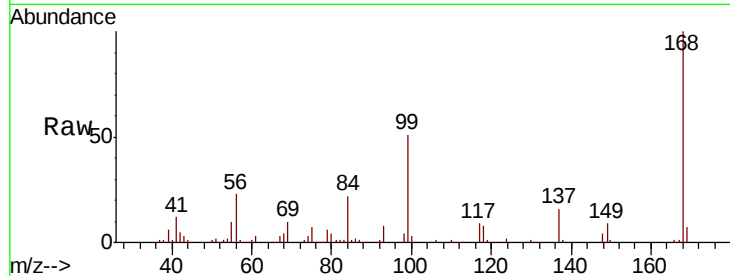
99 50.8 40.0 60.0

Manual Integrations

APPROVED

MMDadoda

8/14/2018 12:51:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

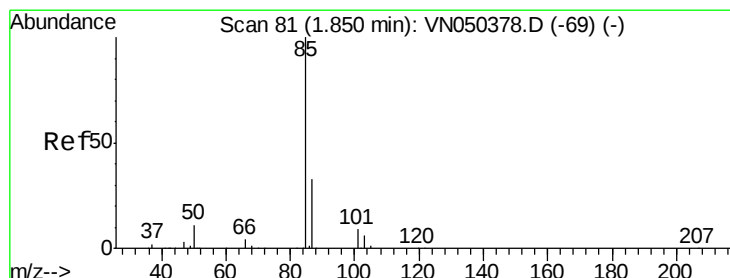
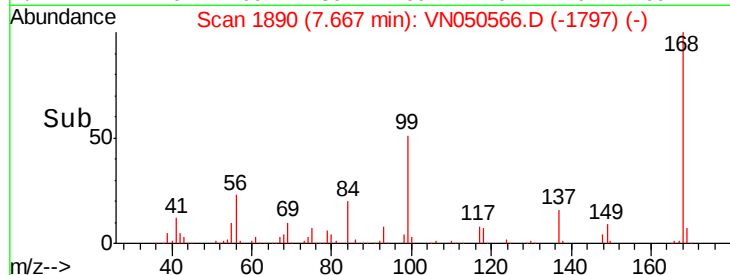
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 15.68 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050566.D

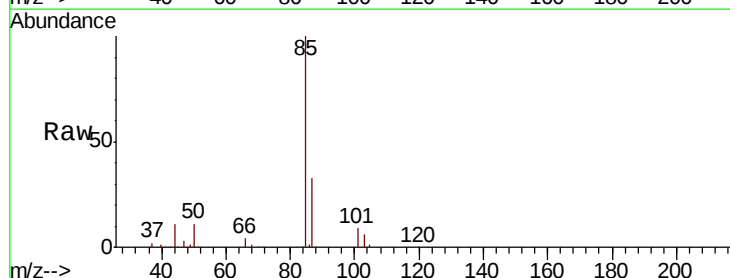
Acq: 13 Aug 2018 14:19

Tgt Ion: 85 Resp: 105077

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

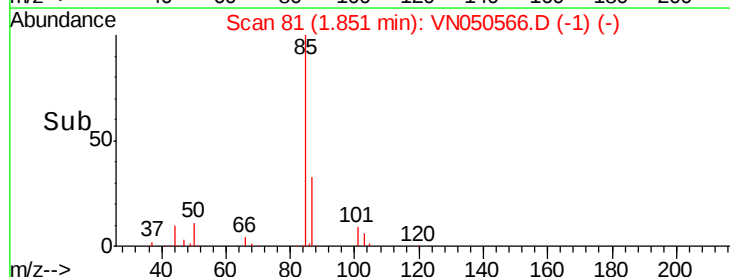
40000

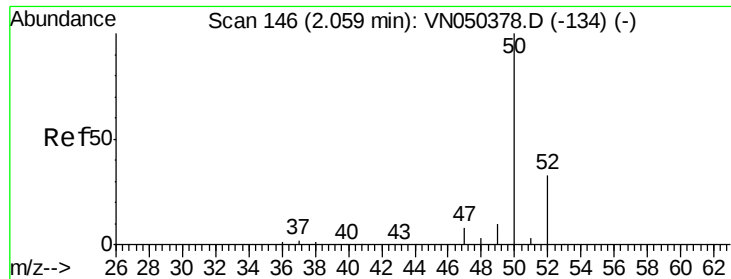
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.17 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 50 Resp: 151271

Ion Ratio Lower Upper

50 100

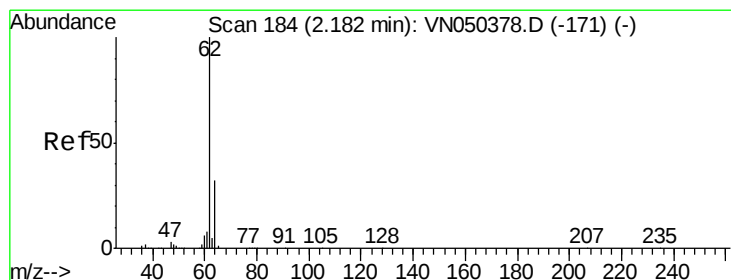
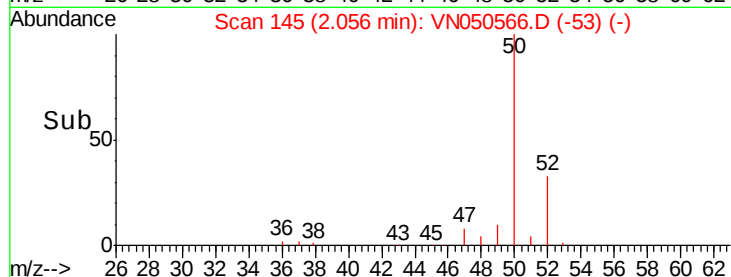
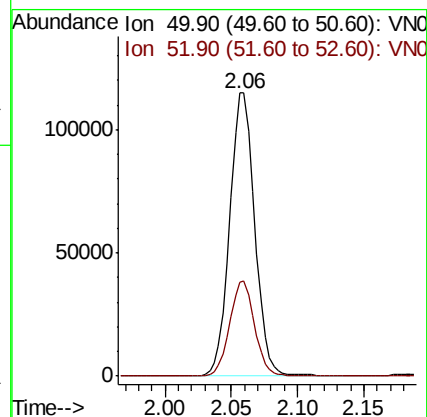
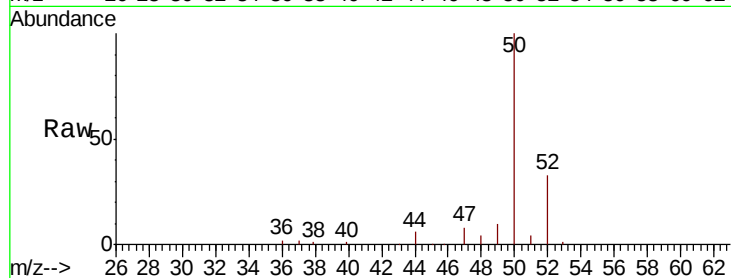
52 33.4 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/14/2018 12:51:01 PM



#4

Vinyl Chloride

Concen: 17.08 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050566.D

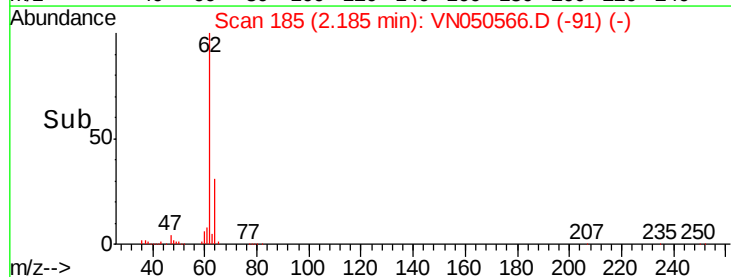
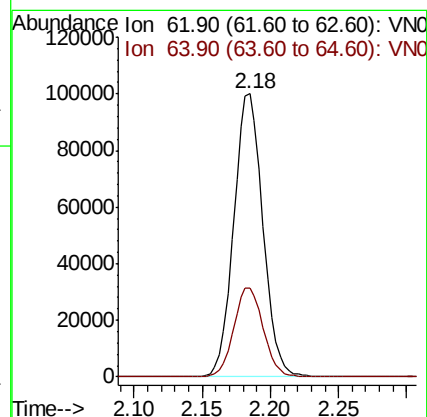
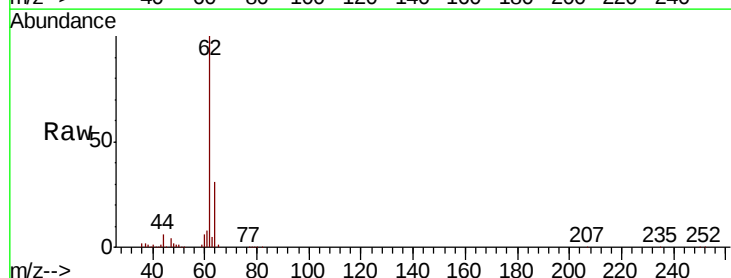
Acq: 13 Aug 2018 14:19

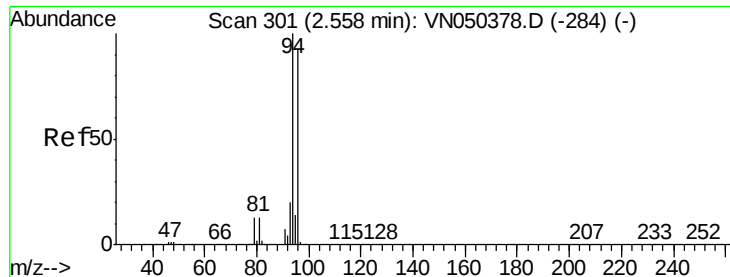
Tgt Ion: 62 Resp: 148158

Ion Ratio Lower Upper

62 100

64 31.2 24.7 37.1





#5

Bromomethane

Concen: 22.63 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 94 Resp: 94790

Ion Ratio Lower Upper

94 100

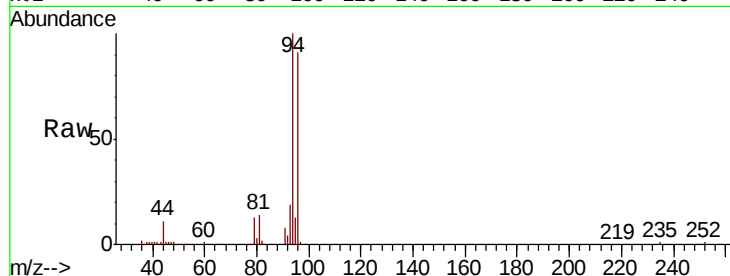
96 91.4 74.6 112.0

Manual Integrations

APPROVED

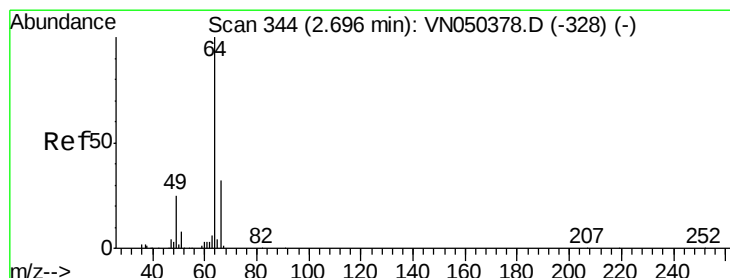
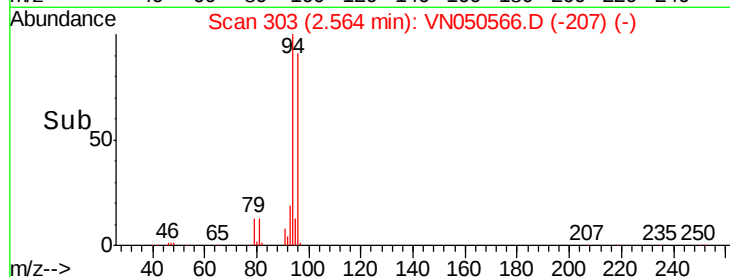
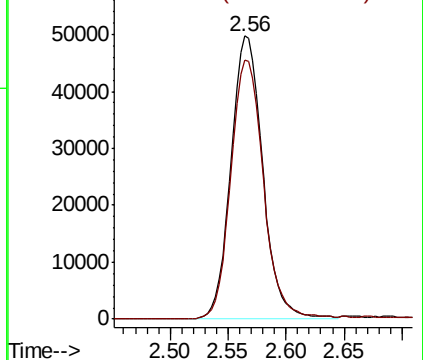
MMDadoda

8/14/2018 12:51:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.22 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VN050566.D

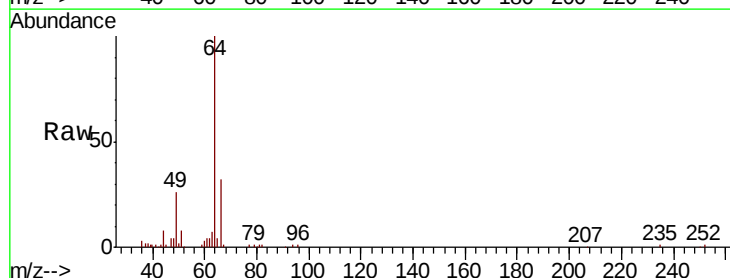
Acq: 13 Aug 2018 14:19

Tgt Ion: 64 Resp: 97400

Ion Ratio Lower Upper

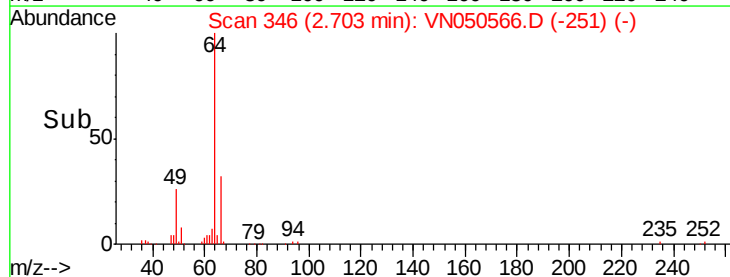
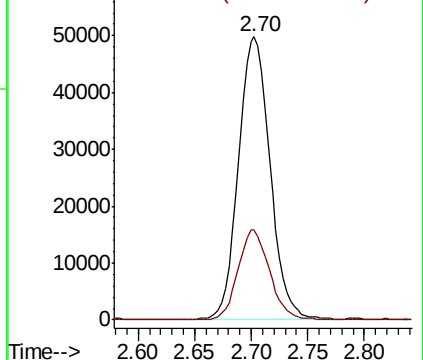
64 100

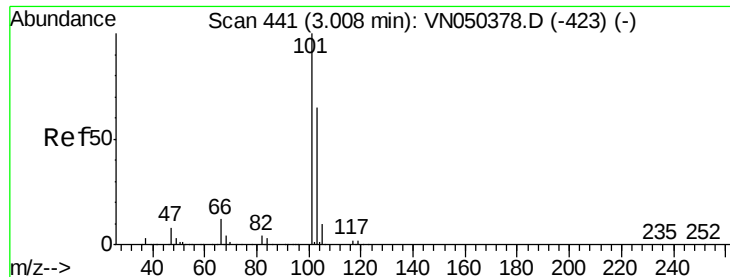
66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

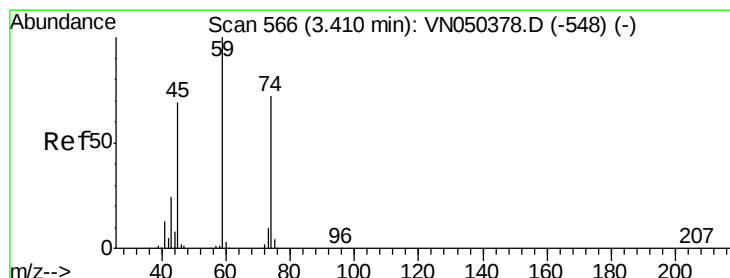
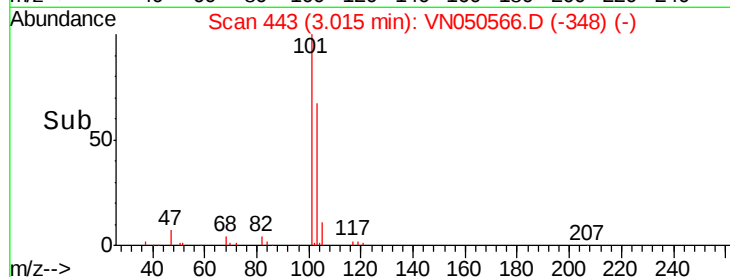
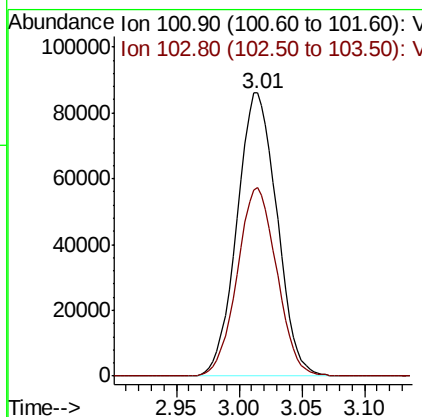
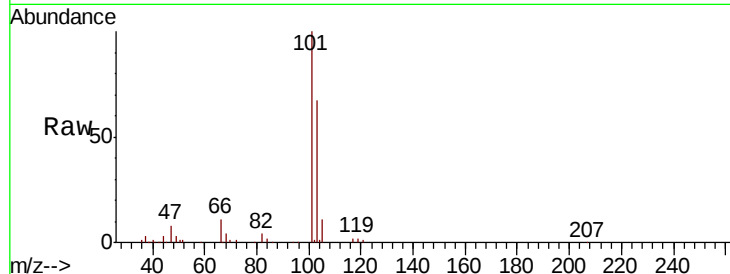
Trichlorofluoromethane
 Concen: 17.00 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.7	77.5

Manual Integrations
 APPROVED

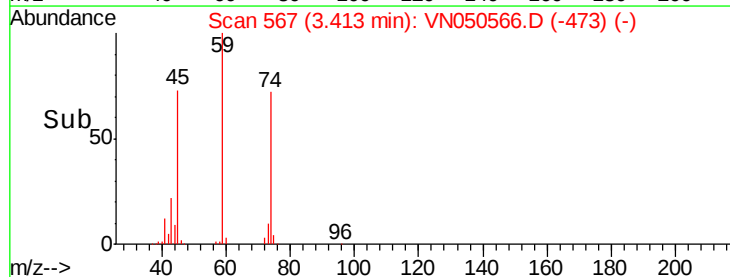
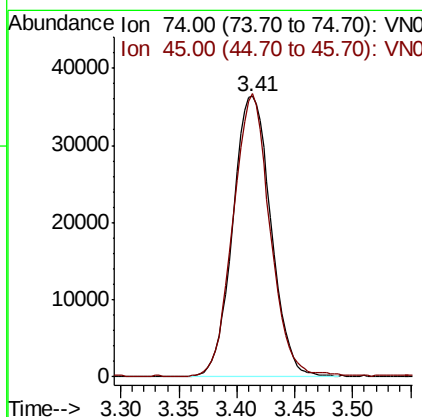
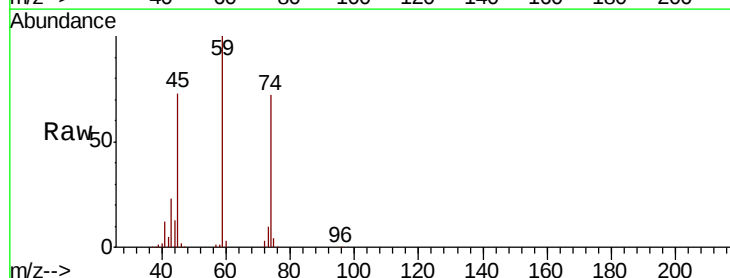
MMDadoda
 8/14/2018 12:51:01 PM

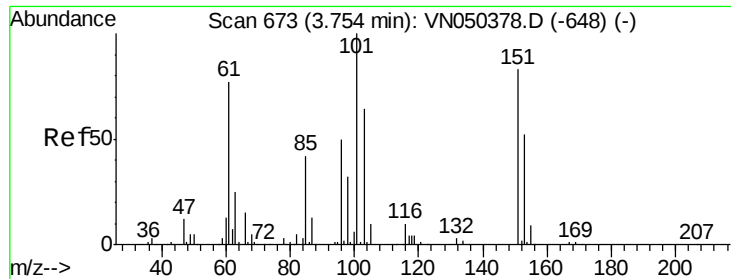


#8

Diethyl Ether
 Concen: 20.20 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.47 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.01 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

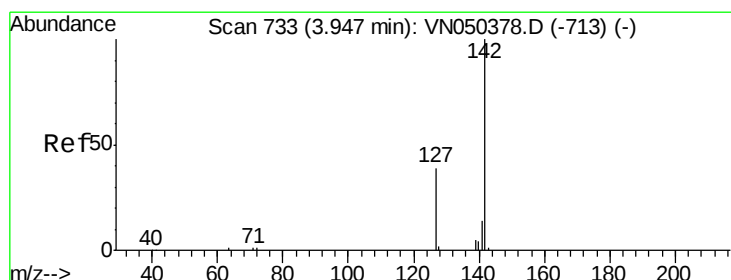
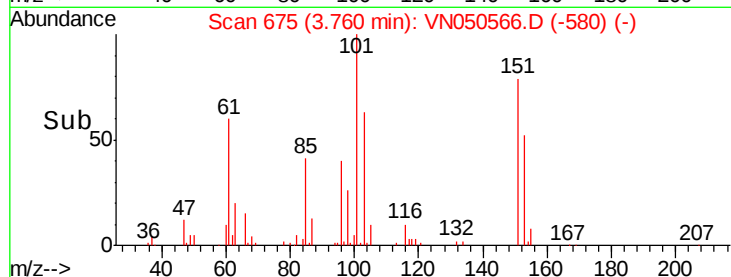
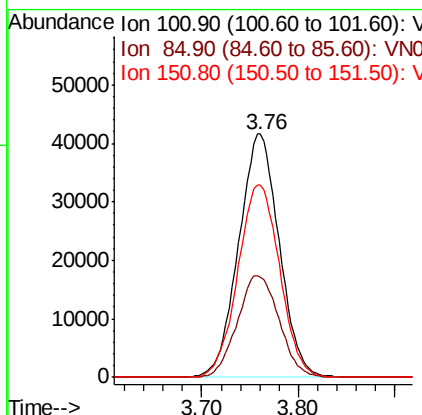
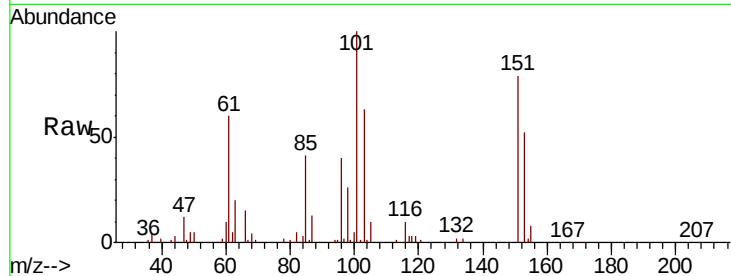
ClientSampleId :

VN0813WBSD01

Tot Ion:	101	Resp:	120945
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.2
151	81.8	66.3	99.5

Manual Integrations
APPROVED

MMDadoda
8/14/2018 12:51:01 PM



#10

Methyl Iodide

Concen: 23.79 ug/l

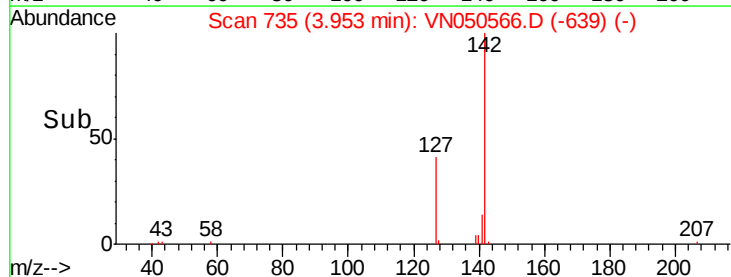
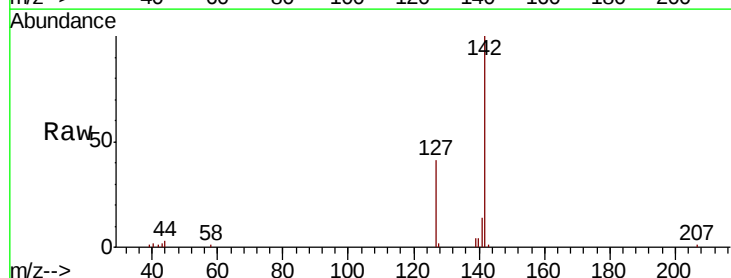
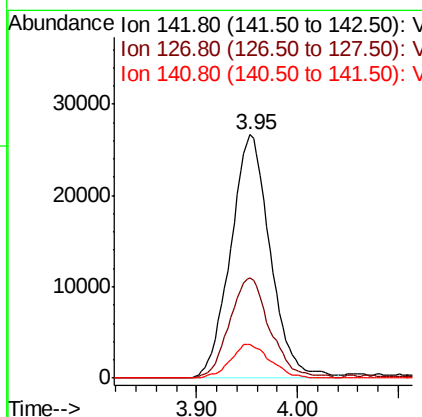
RT: 3.95 min Scan# 735

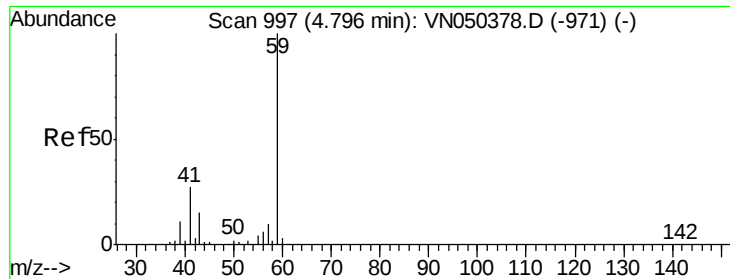
Delta R.T. 0.01 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Tgt Ion:	142	Resp:	72596
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.4	50.2
141	13.9	11.6	17.4





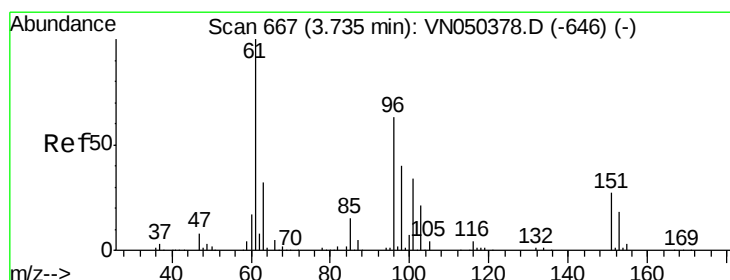
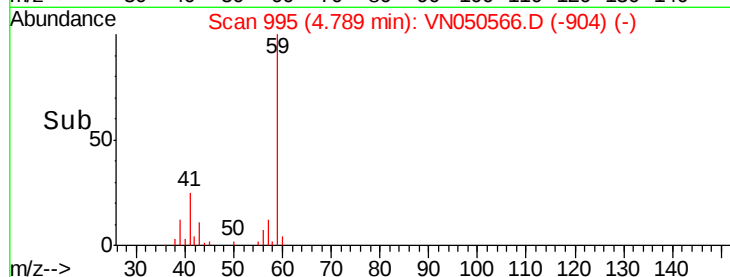
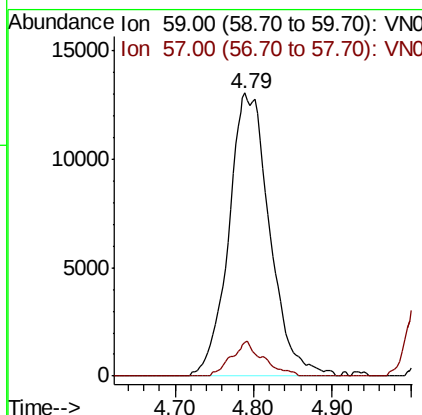
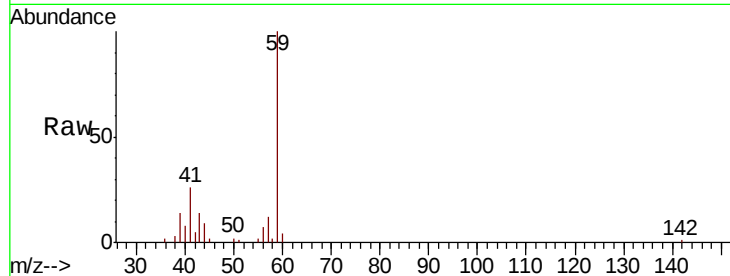
#11
Tert butyl alcohol
Concen: 73.85 ug/l m
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	59	Resp	47866
Ion Ratio	100	Lower	Upper
57	9.6	8.5	12.7

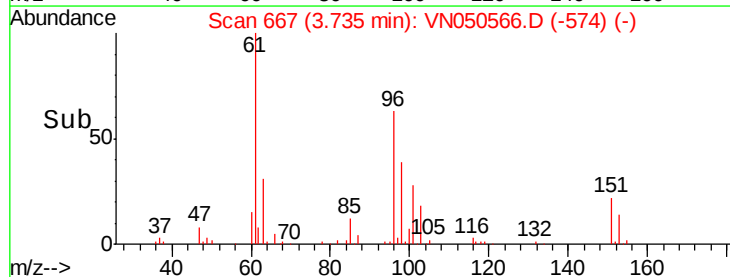
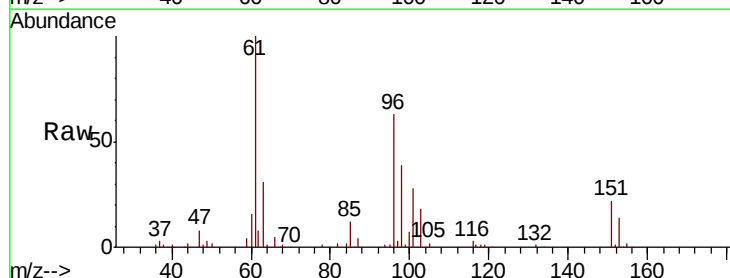
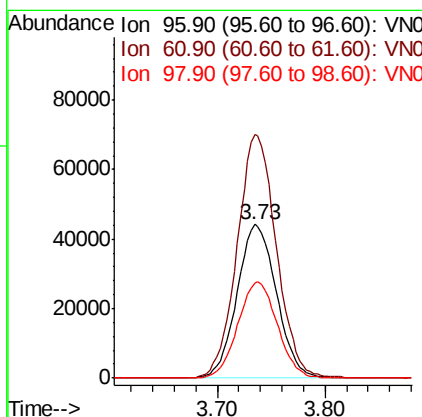
Manual Integrations
APPROVED

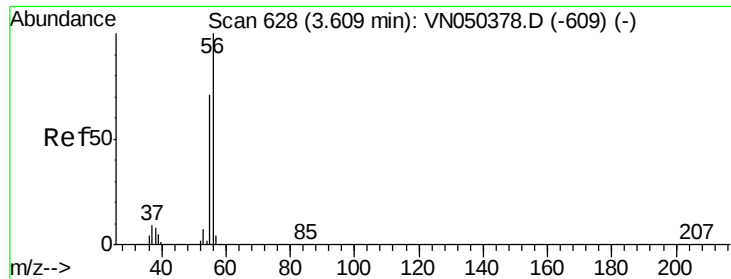
MMDadoda
8/14/2018 12:51:01 PM



#12
1,1-Dichloroethene
Concen: 17.22 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	96	Resp	112400
Ion Ratio	100	Lower	Upper
61	158.5	124.4	186.6
98	61.8	48.3	72.5





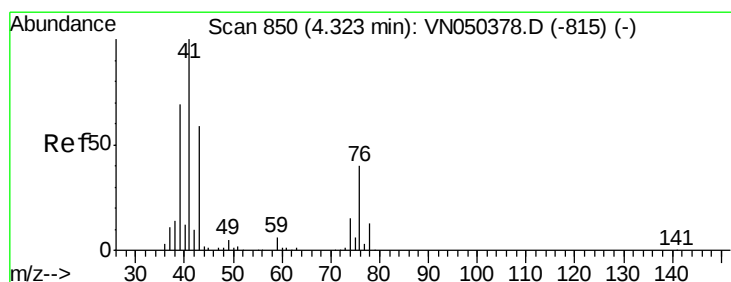
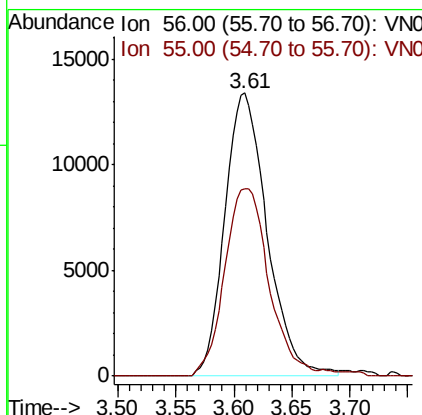
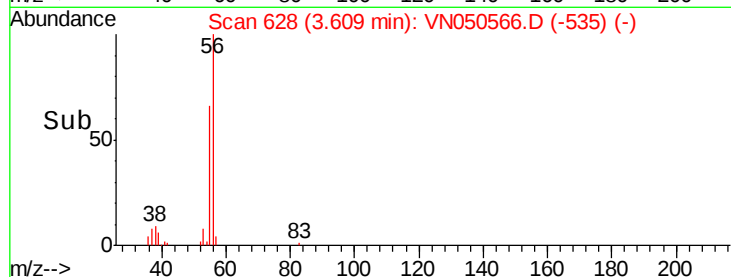
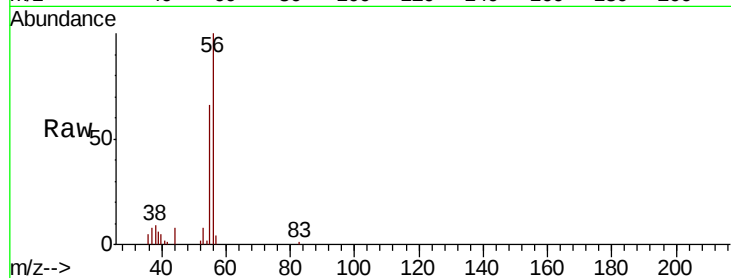
#13
Acrolein
Concen: 52.90 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	56	Resp	33979
Ion Ratio	Lower	Upper	
56	100		
55	69.1	55.8	83.6

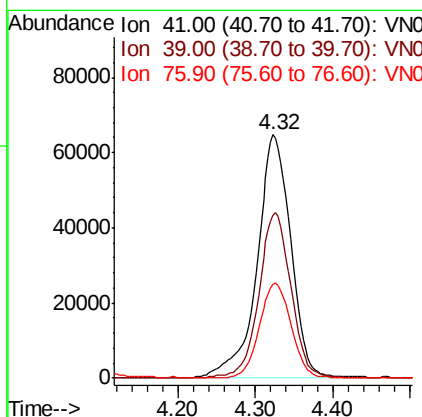
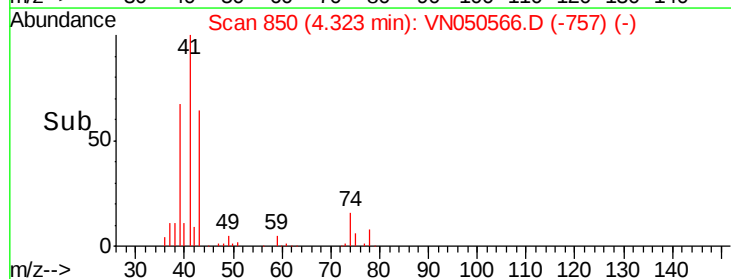
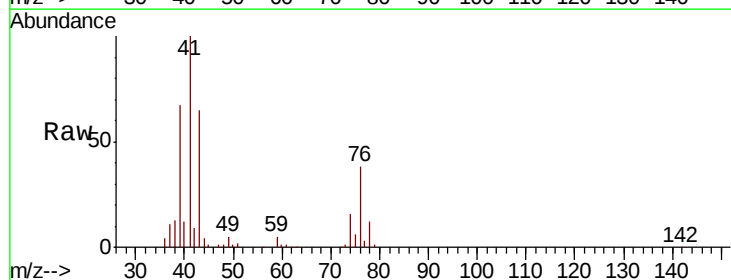
Manual Integrations
APPROVED

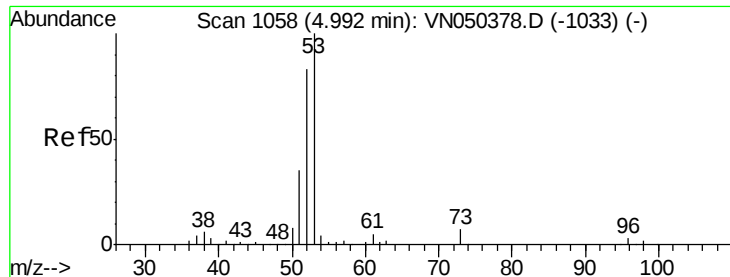
MMDadoda
8/14/2018 12:51:01 PM



#14
Allyl chloride
Concen: 18.73 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	41	Resp	196359
Ion Ratio	Lower	Upper	
41	100		
39	64.7	54.2	81.4
76	36.7	29.0	43.6





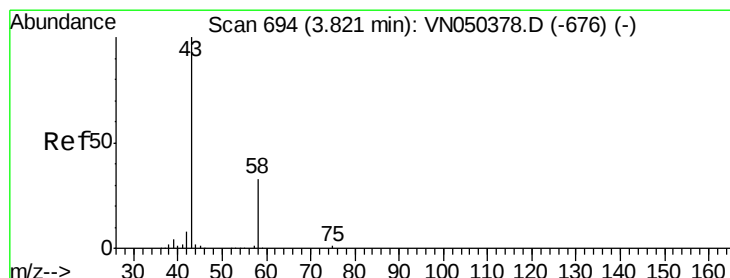
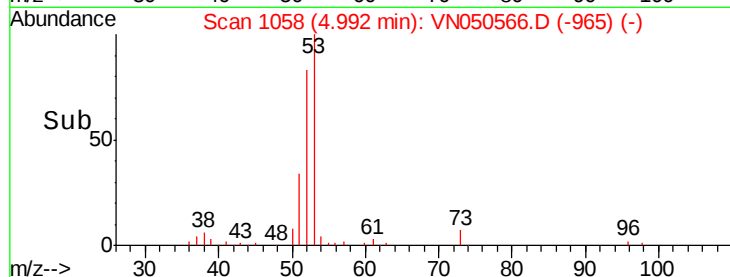
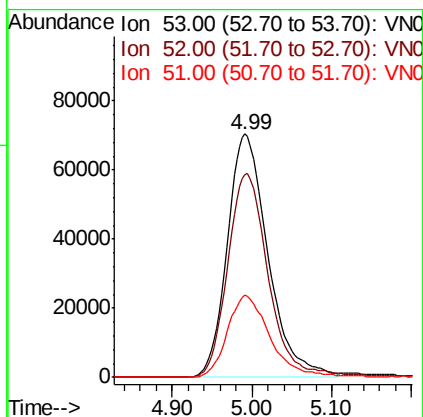
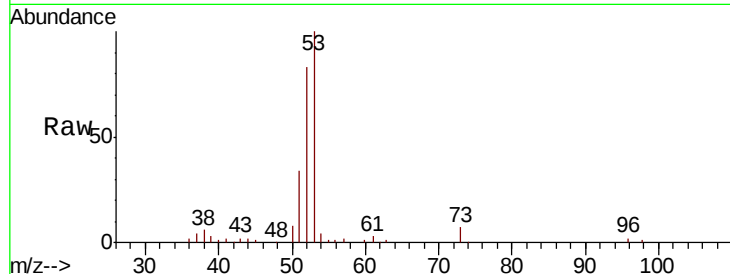
#15
 Acrylonitrile
 Concen: 89.77 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion:	53	Resp:	243722
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	35.3	29.3	43.9

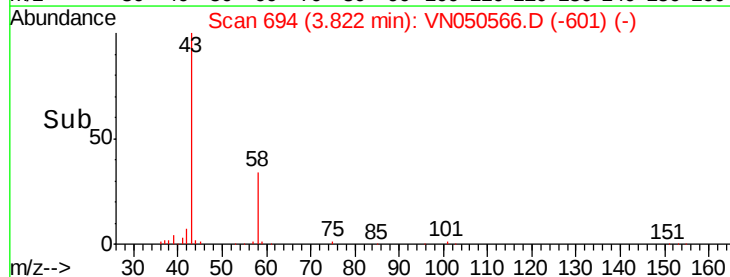
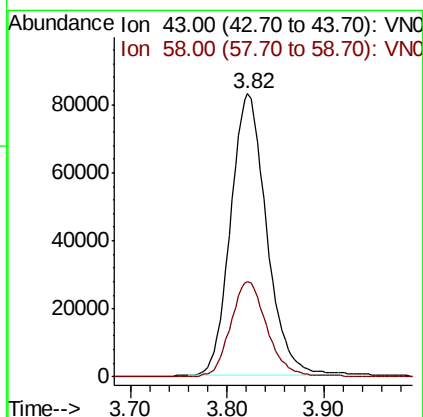
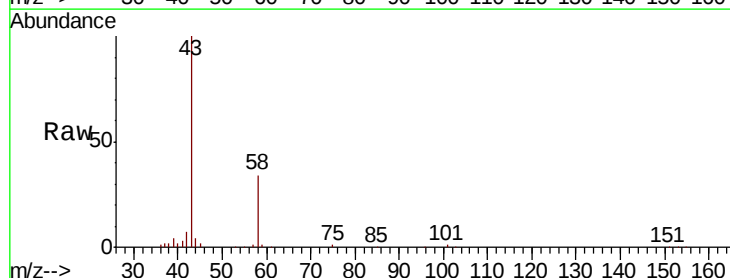
Manual Integrations
 APPROVED

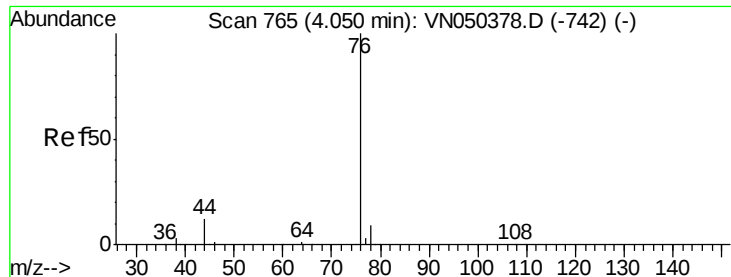
MMDadoda
 8/14/2018 12:51:01 PM



#16
 Acetone
 Concen: 88.66 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Tgt Ion:	43	Resp:	213870
Ion	Ratio	Lower	Upper
43	100		
58	33.7	25.8	38.8





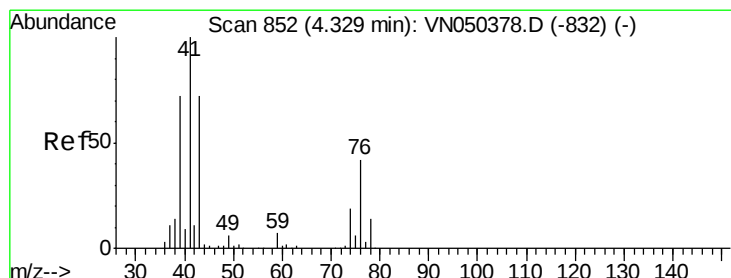
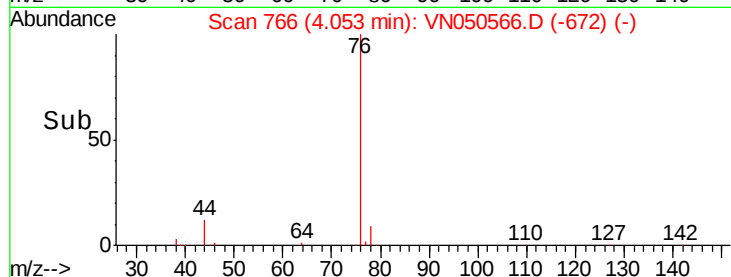
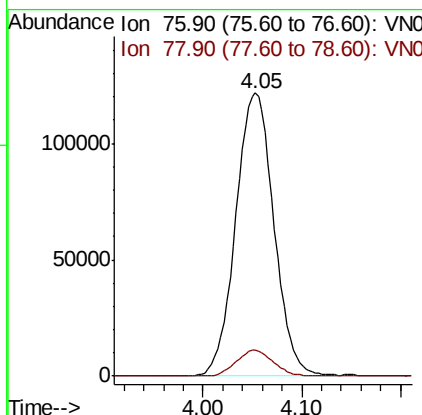
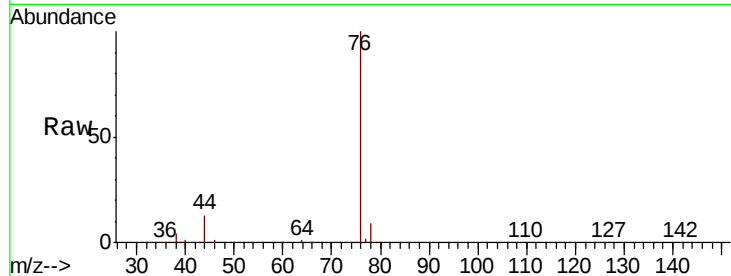
#17
Carbon Disulfide
Concen: 15.37 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

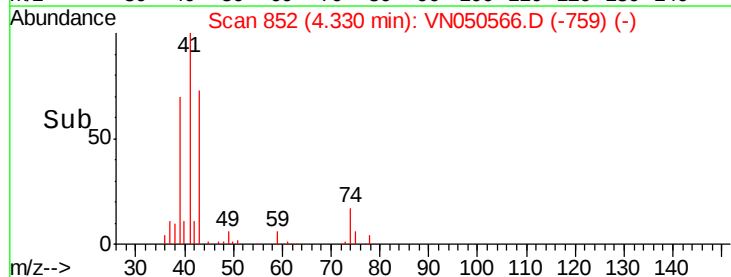
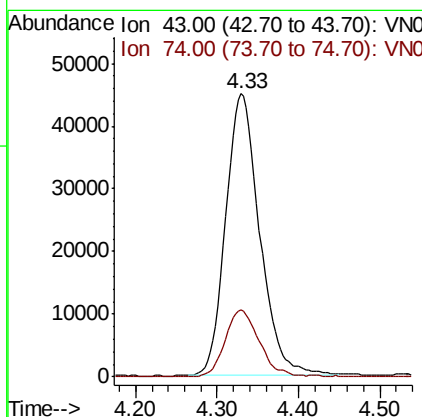
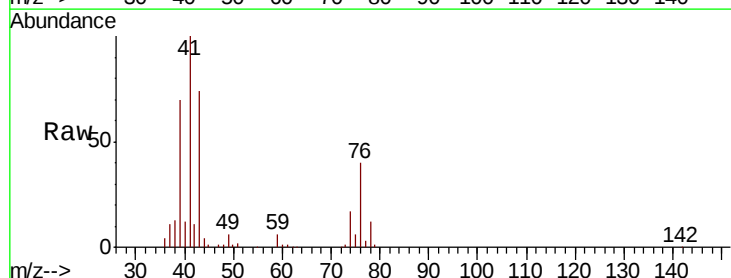
Manual Integrations
APPROVED

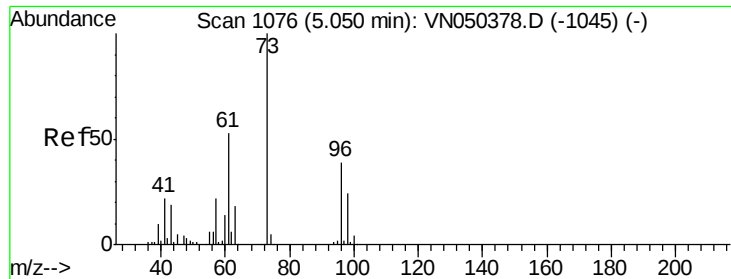
MMDadoda
8/14/2018 12:51:01 PM



#18
Methyl Acetate
Concen: 20.87 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.2	28.8





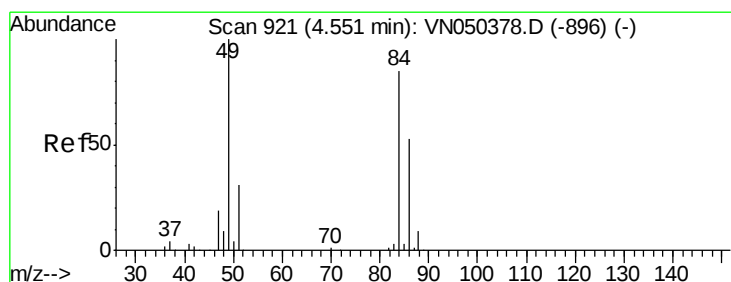
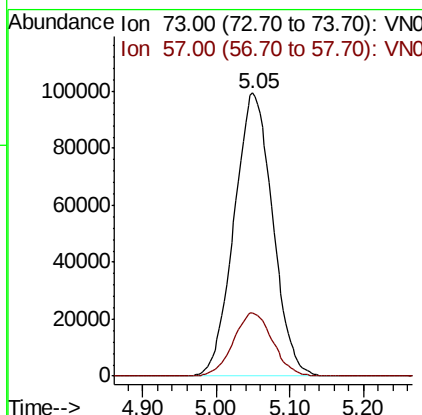
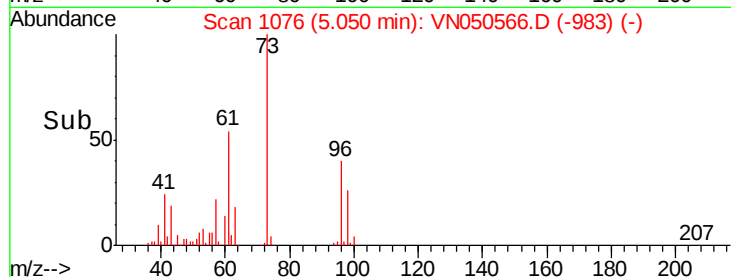
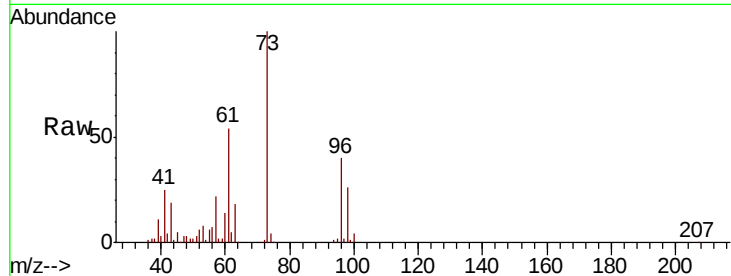
#19
Methyl tert-butyl Ether
Concen: 19.52 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion: 73 Resp: 361698
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0

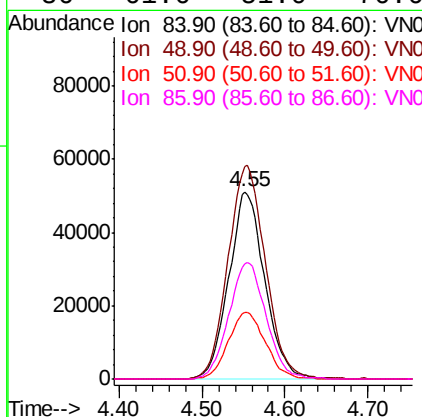
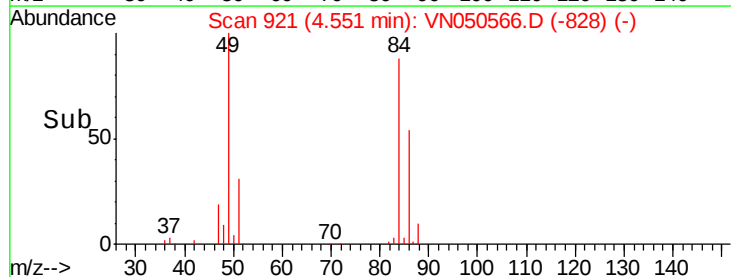
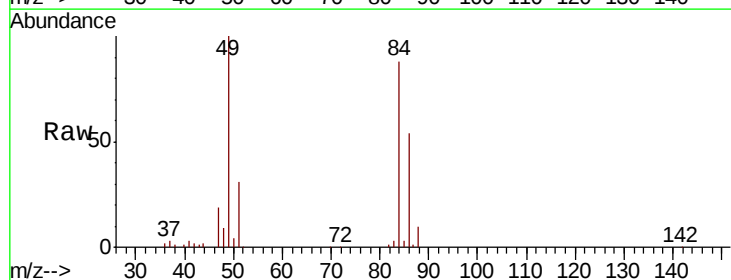
Manual Integrations
APPROVED

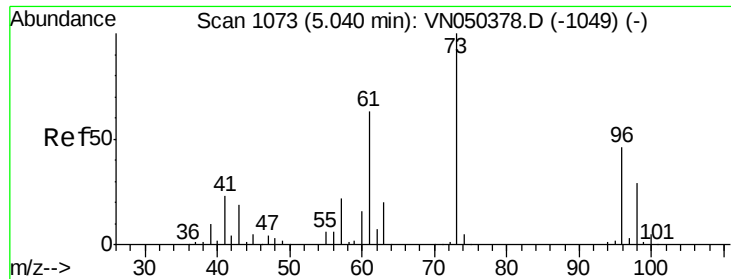
MMDadoda
8/14/2018 12:51:01 PM



#20
Methylene Chloride
Concen: 20.04 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion: 84 Resp: 154317
Ion Ratio Lower Upper
84 100
49 113.3 94.8 142.2
51 35.6 28.3 42.5
86 61.6 51.0 76.6





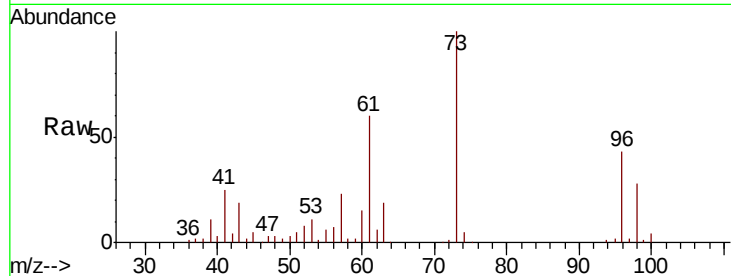
#21
trans-1,2-Dichloroethene
Concen: 18.79 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampled :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	110.7	166.1
98	64.4	51.6	77.4

Manual Integrations
APPROVED

MMDadoda
8/14/2018 12:51:01 PM

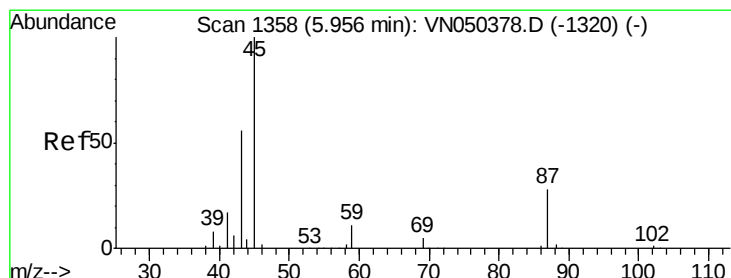
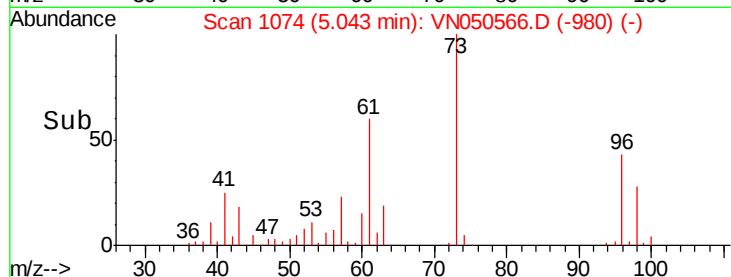
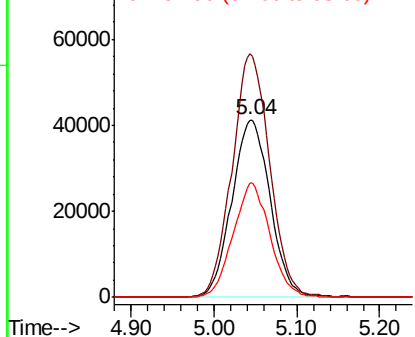


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 21.47 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.3	45.7	68.5
87	27.9	22.7	34.1
59	11.6	9.5	14.3

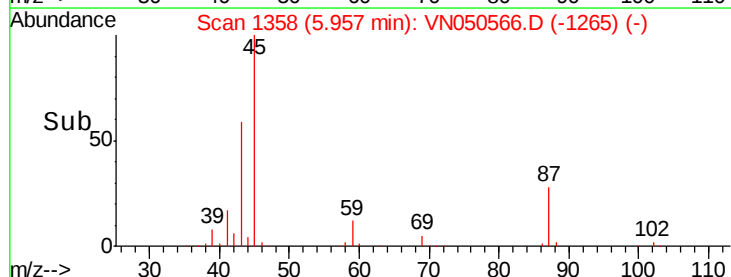
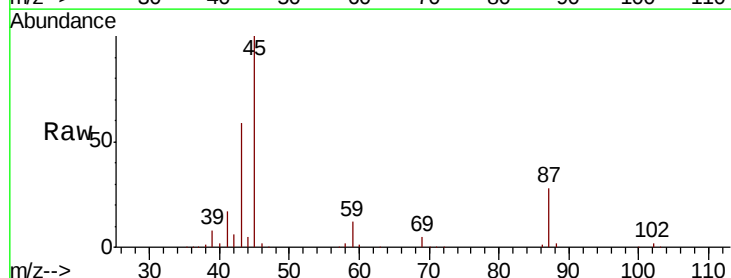
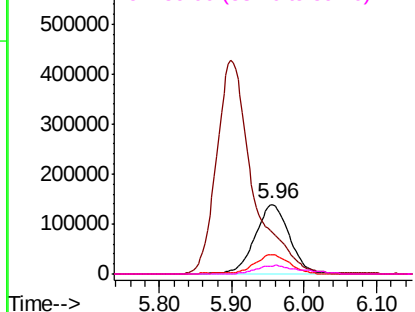
Abundance

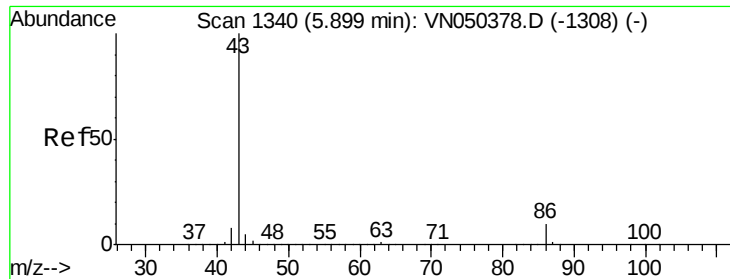
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





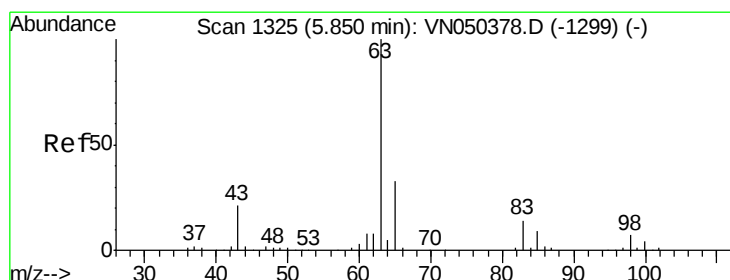
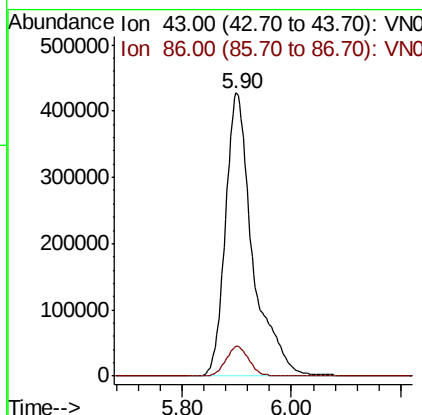
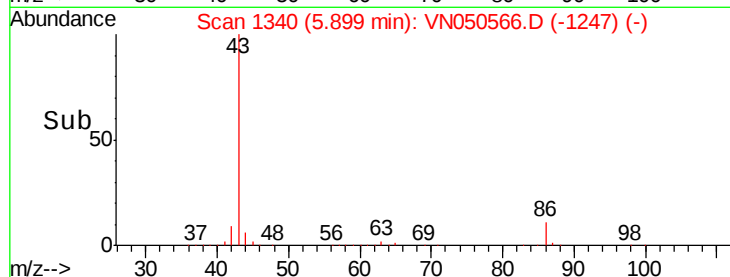
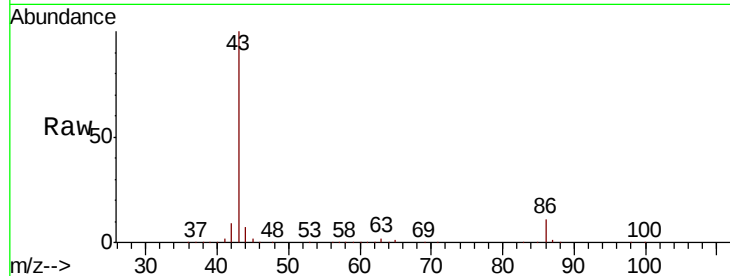
#23
 Vinyl Acetate
 Concen: 97.04 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion: 43 Resp: 1482880
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0

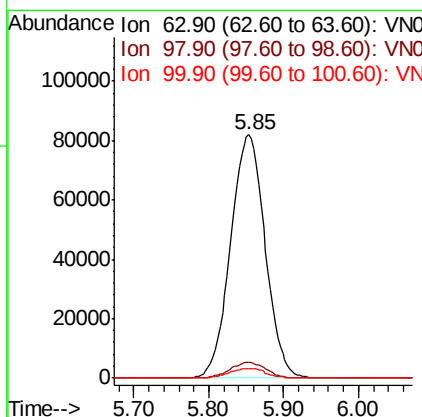
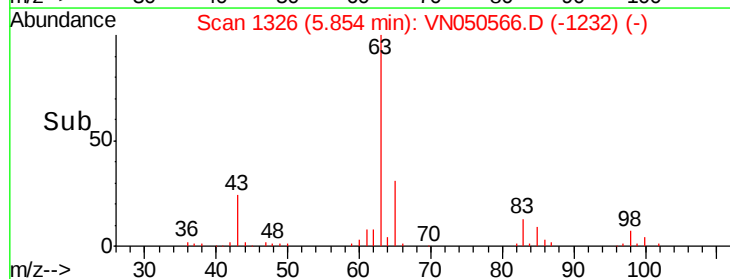
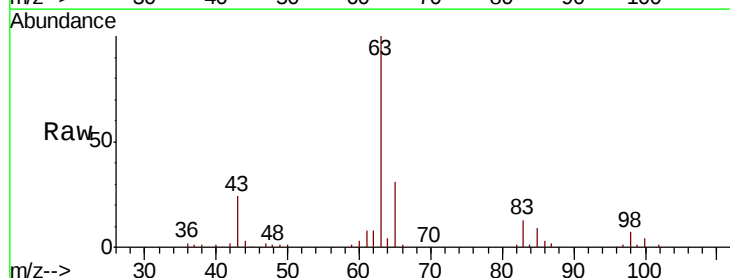
Manual Integrations
 APPROVED

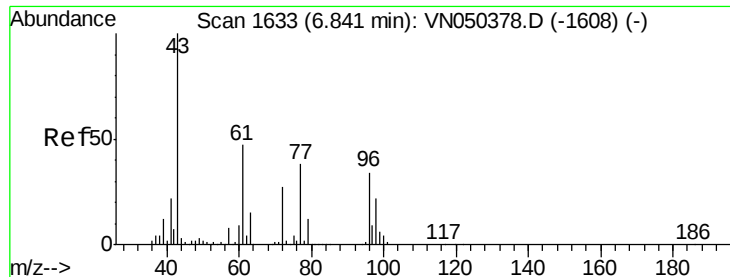
MMDadoda
 8/14/2018 12:51:01 PM



#24
 1,1-Dichloroethane
 Concen: 20.00 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Tgt Ion: 63 Resp: 262866
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 3.8 2.1 6.3





#25

2-Butanone

Concen: 85.27 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 43 Resp: 340921

Ion Ratio Lower Upper

43 100

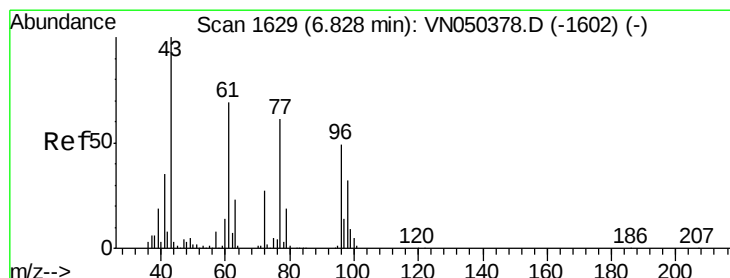
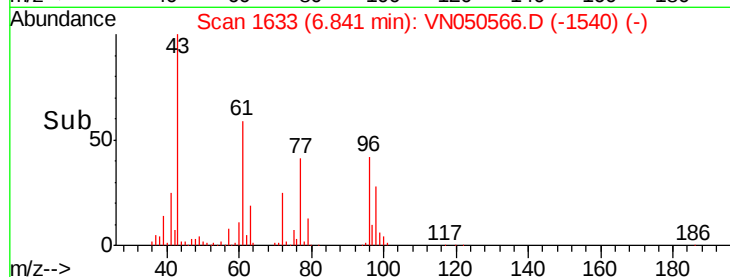
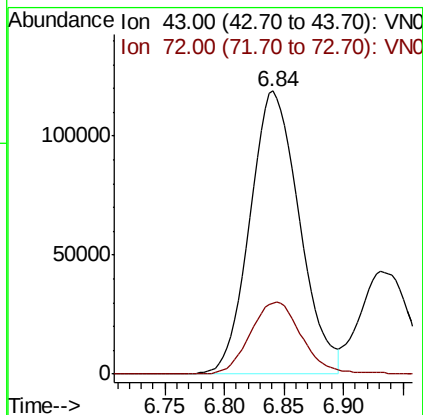
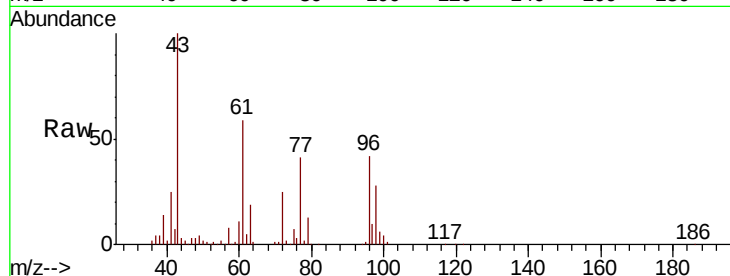
72 25.2 21.5 32.3

Manual Integrations

APPROVED

MMDadoda

8/14/2018 12:51:01 PM



#26

2,2-Dichloropropane

Concen: 17.29 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050566.D

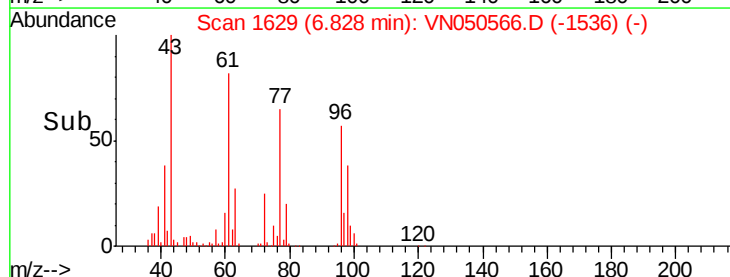
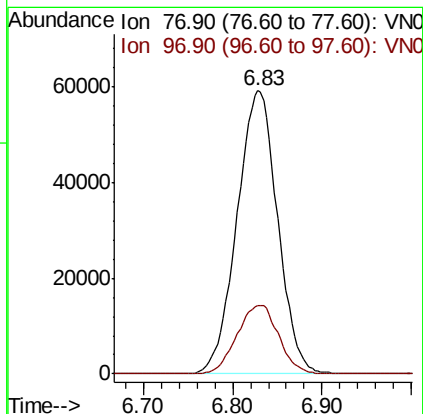
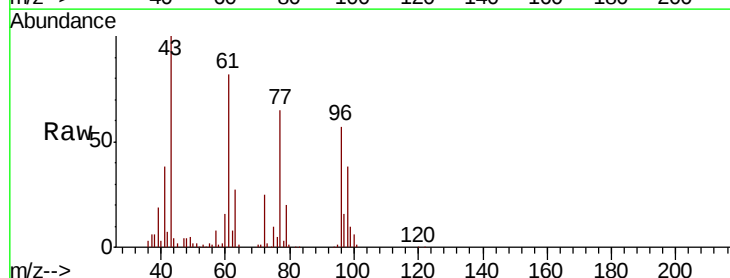
Acq: 13 Aug 2018 14:19

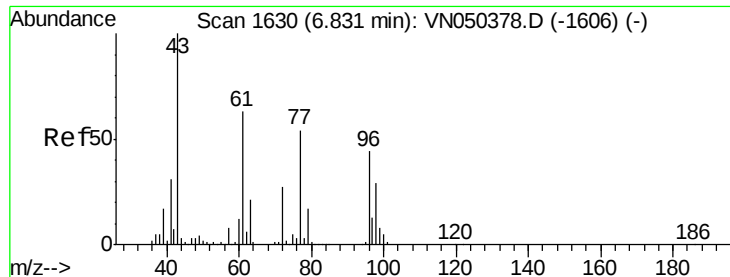
Tgt Ion: 77 Resp: 187354

Ion Ratio Lower Upper

77 100

97 24.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.03 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

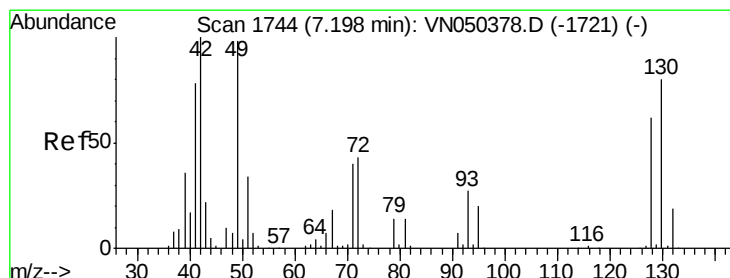
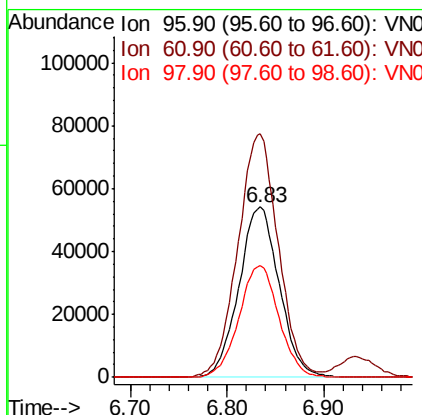
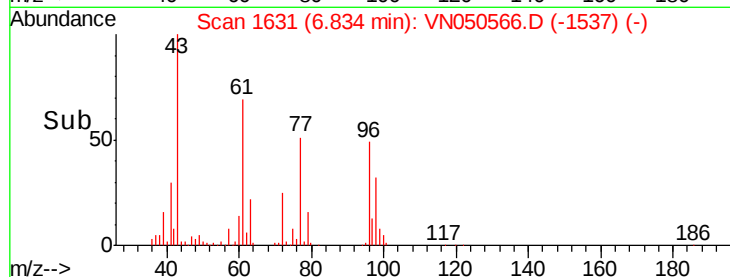
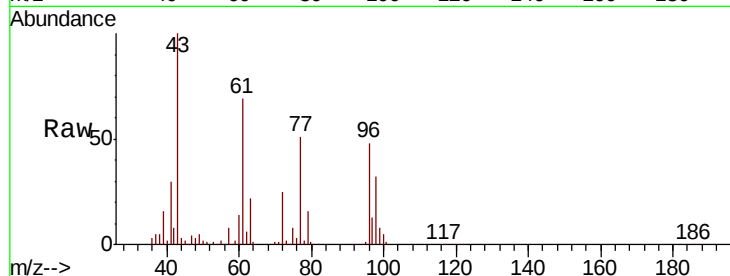
ClientSampled :

VN0813WBSD01

Tot Ion:	96	Resp:	156840
Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	285.0
98	65.0	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
8/14/2018 12:51:01 PM



#28

Bromochloromethane

Concen: 20.33 ug/l

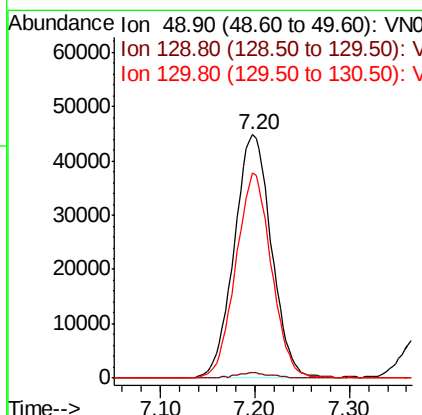
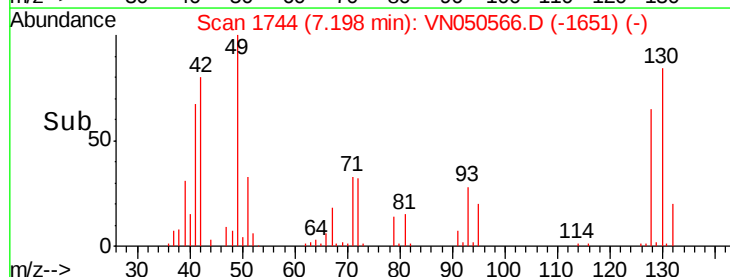
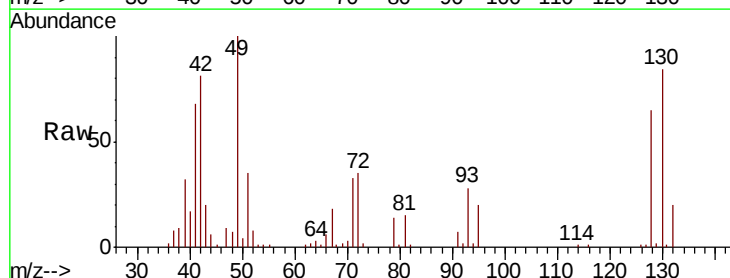
RT: 7.20 min Scan# 1744

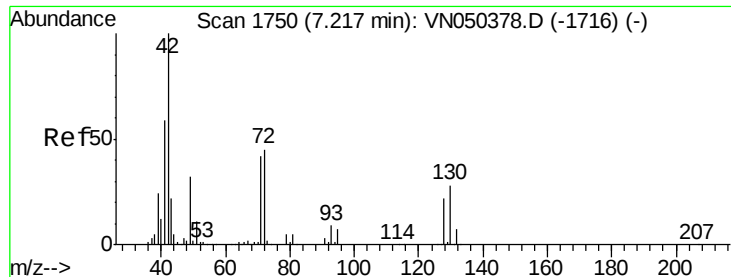
Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Tgt Ion:	49	Resp:	122966
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	80.5	66.3	99.5





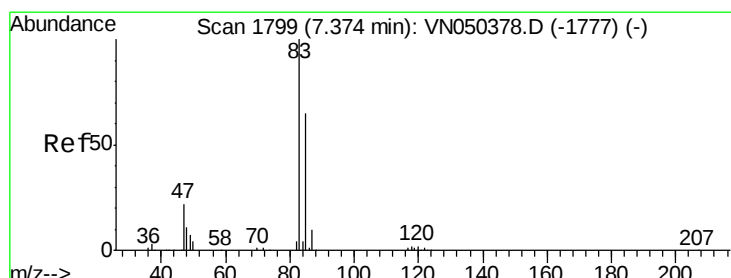
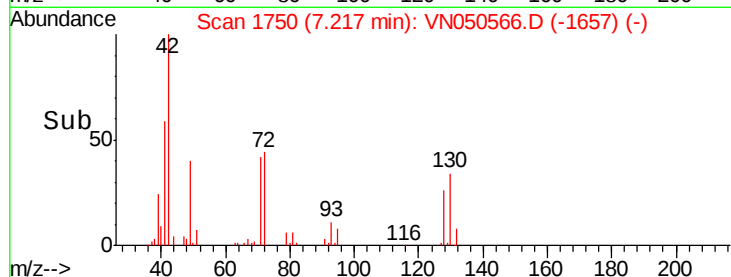
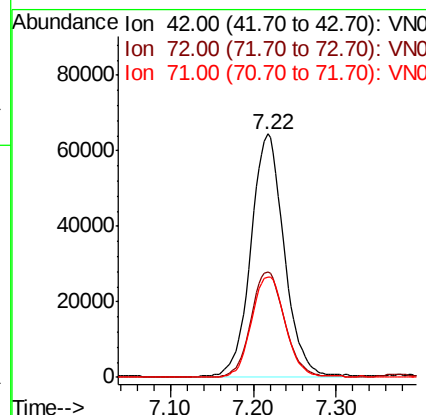
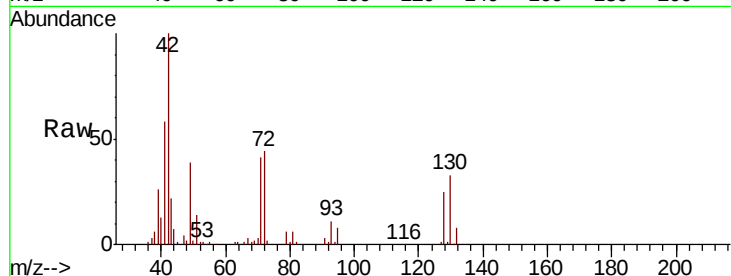
#29
Tetrahydrofuran
Concen: 84.50 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.9	53.9
71	41.4	33.7	50.5

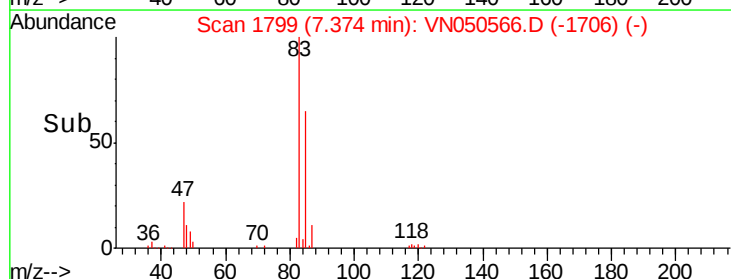
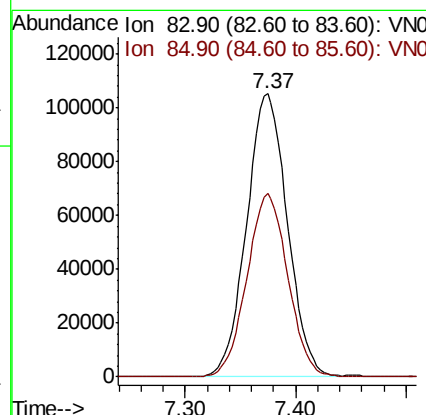
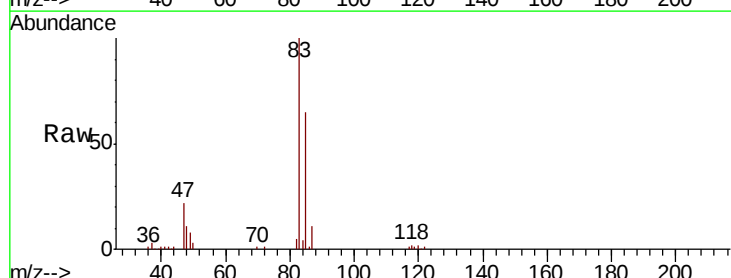
Manual Integrations
APPROVED

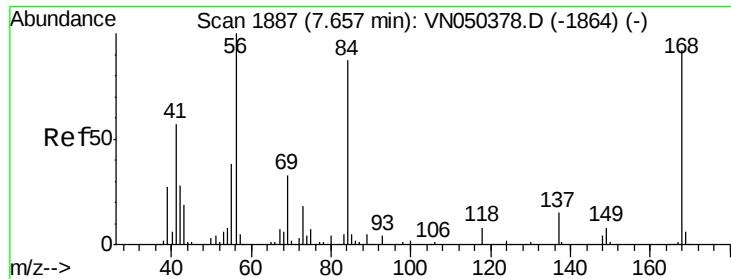
MMDadoda
8/14/2018 12:51:01 PM



#30
Chloroform
Concen: 20.58 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7





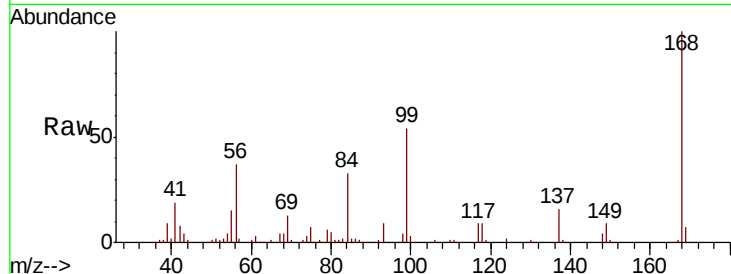
#31
Cyclohexane
Concen: 15.97 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampled :
VN0813WBSD01

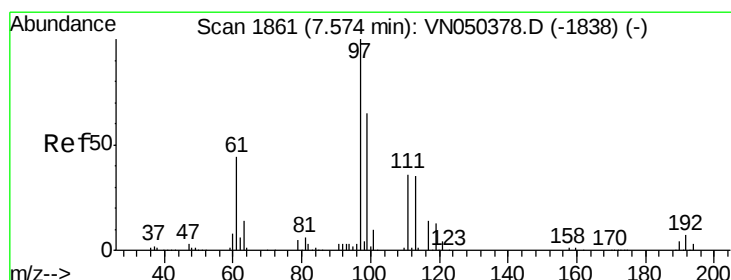
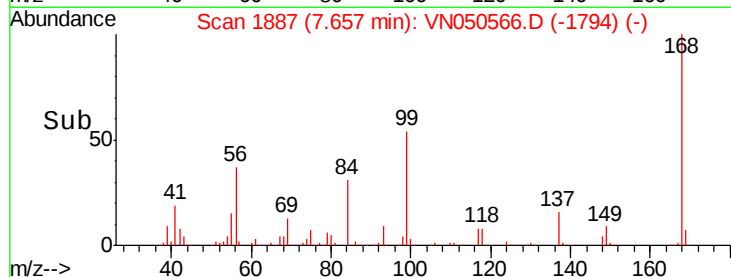
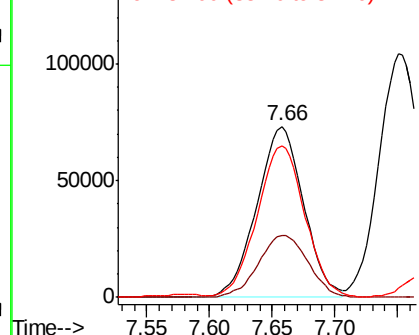
Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	26.2	39.4
84	87.5	67.4	101.0

Manual Integrations
APPROVED

MMDadoda
8/14/2018 12:51:01 PM

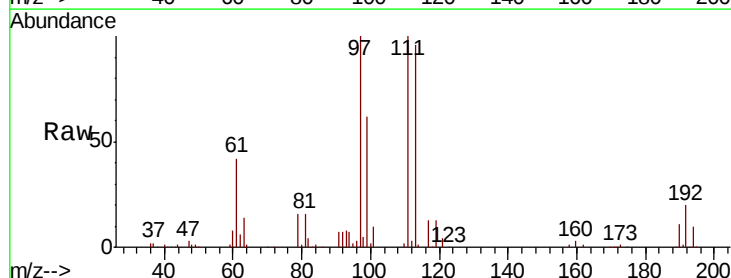


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

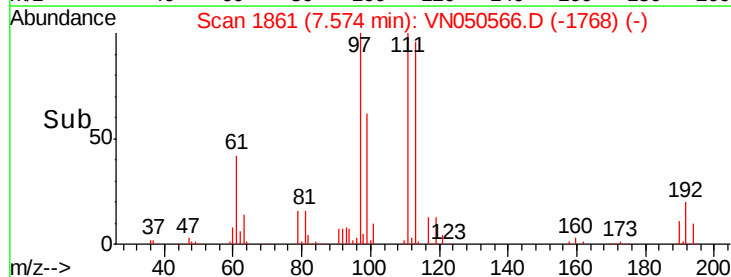
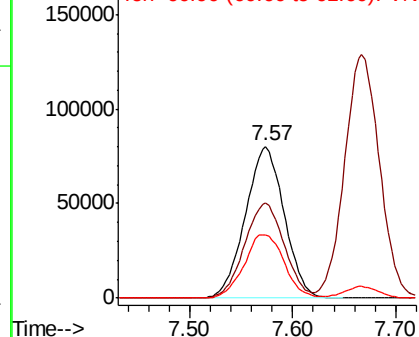


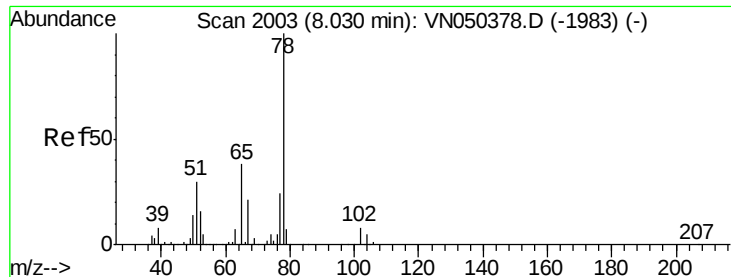
#32
1,1,1-Trichloroethane
Concen: 18.63 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.0
61	43.1	35.4	53.0



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





#33

1,2-Dichloroethane-d4

Concen: 50.95 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 65 Resp: 411071

Ion Ratio Lower Upper

65 100

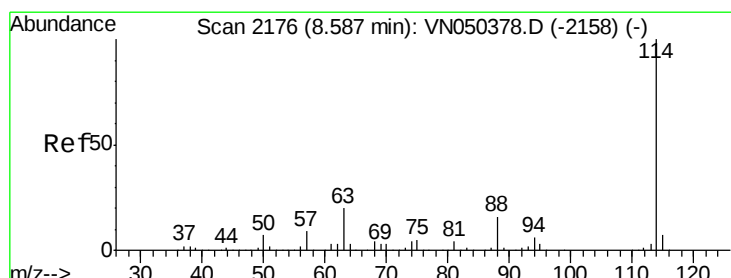
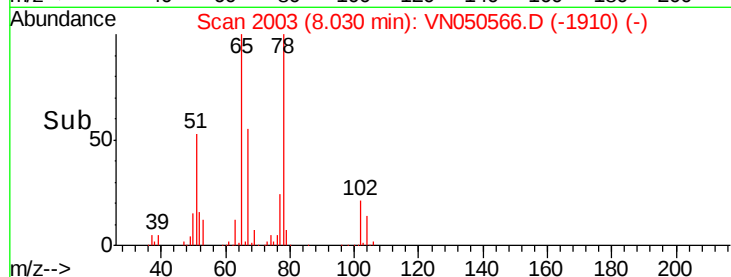
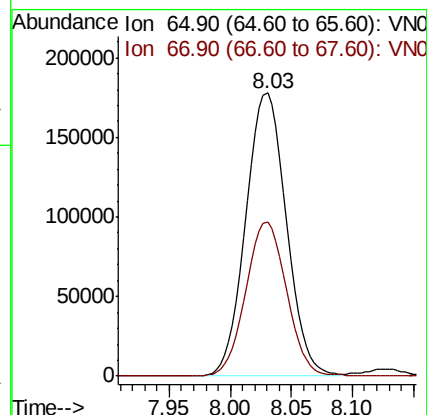
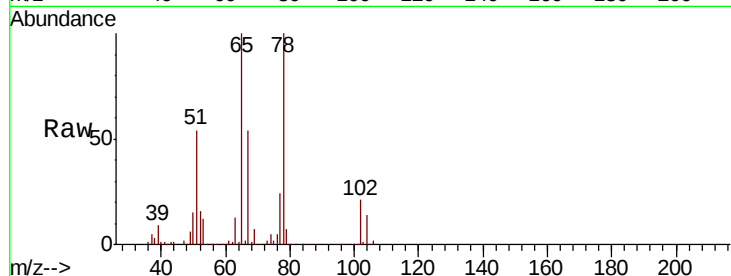
67 54.7 0.0 108.4

Manual Integrations

APPROVED

MMDadoda

8/14/2018 12:51:01 PM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

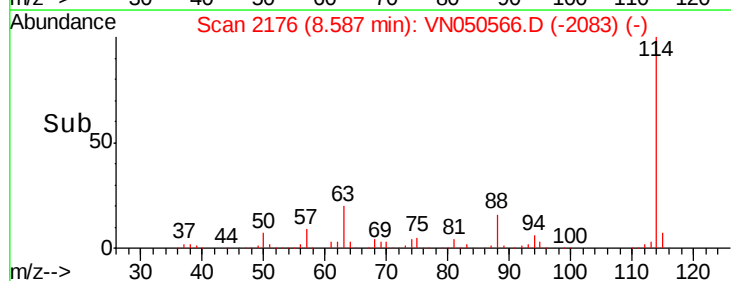
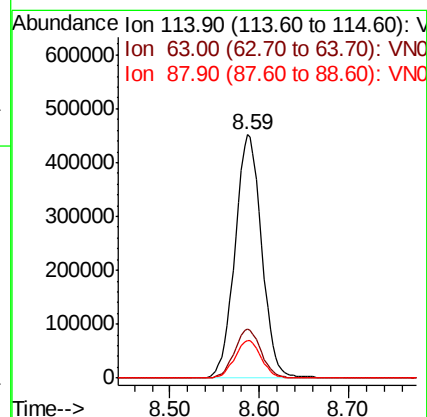
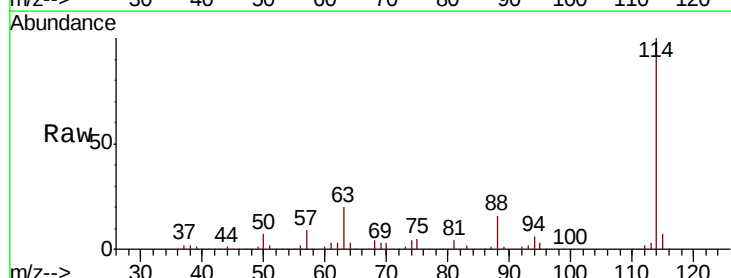
Tgt Ion: 114 Resp: 934311

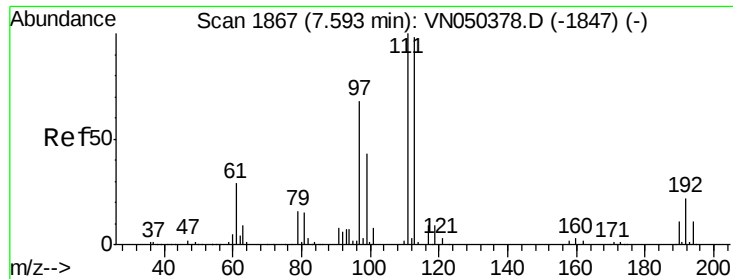
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 15.6 0.0 31.2





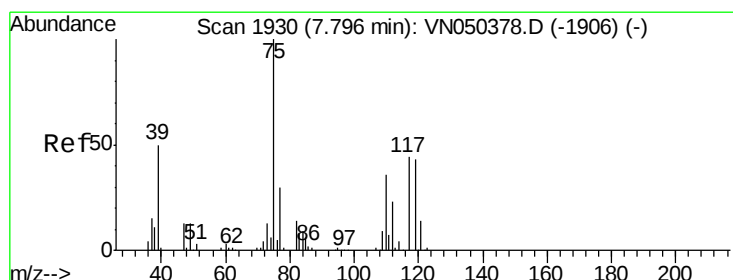
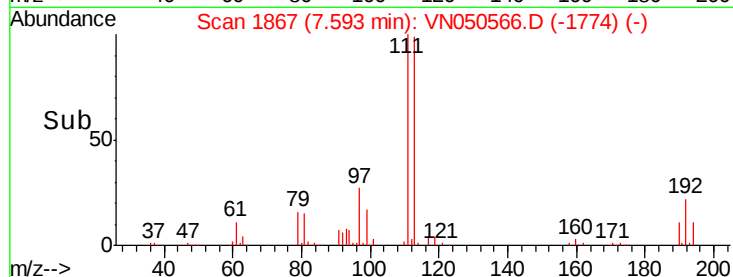
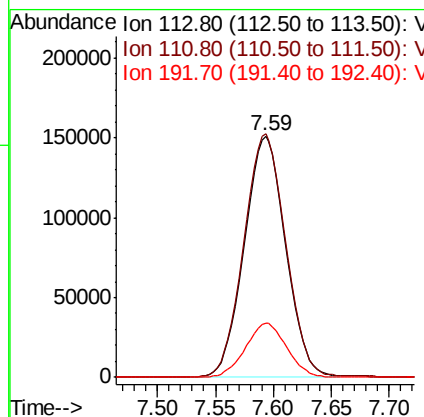
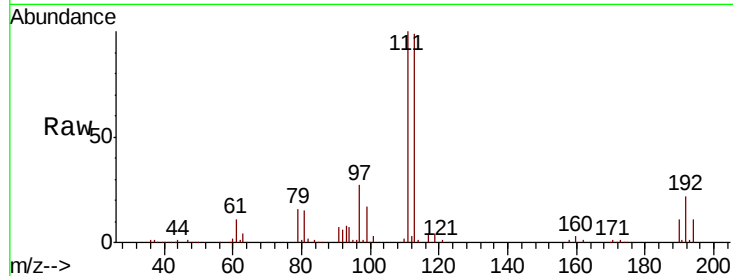
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	374810		
111	102.2	80.7	121.1	
192	22.4	17.8	26.6	

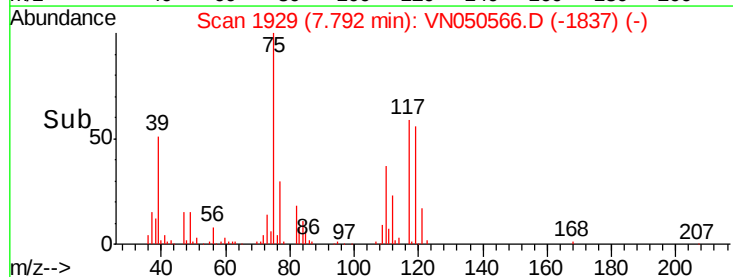
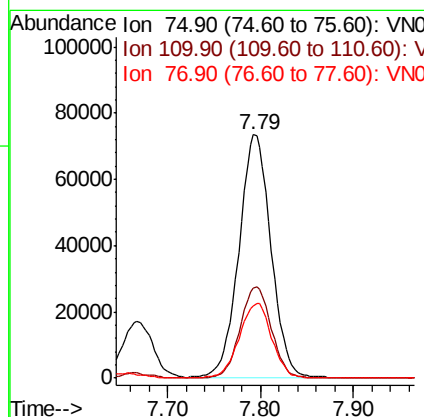
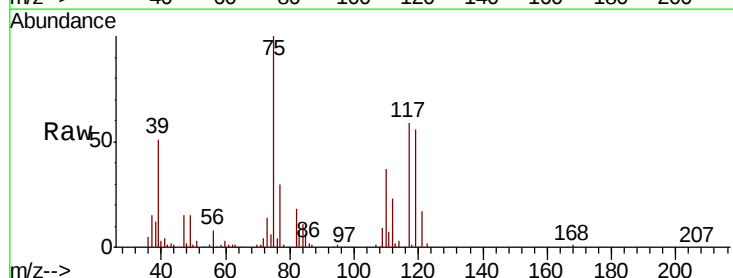
Manual Integrations
APPROVED

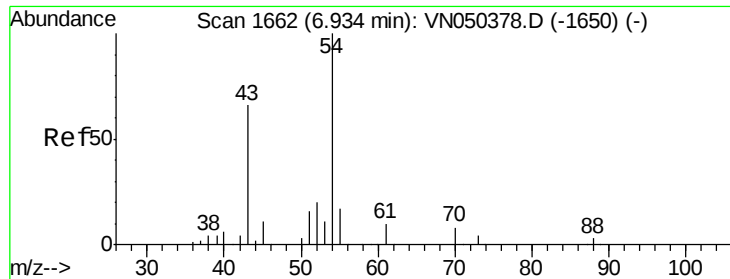
MMDadoda
8/14/2018 12:51:01 PM



#36
1,1-Dichloropropene
Concen: 17.13 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	175836		
110	36.7	18.4	55.2	
77	31.4	25.3	37.9	





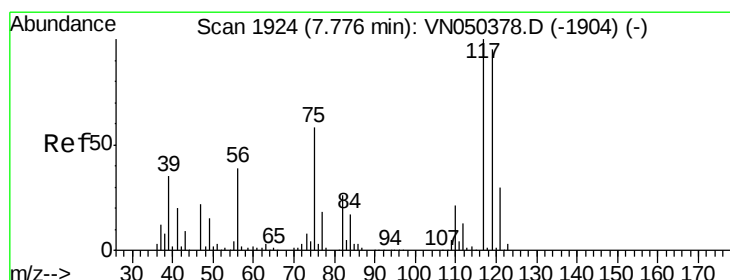
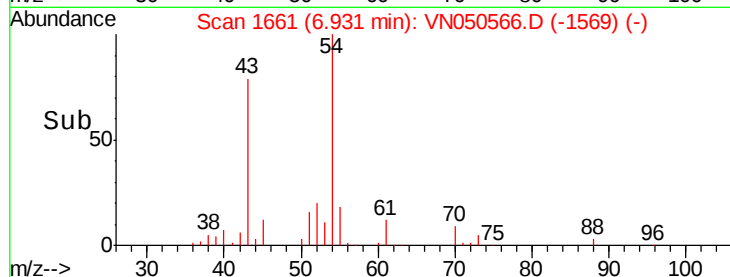
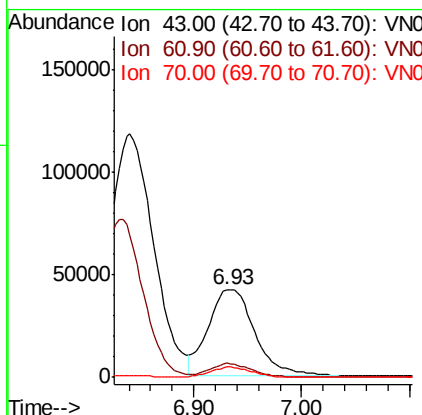
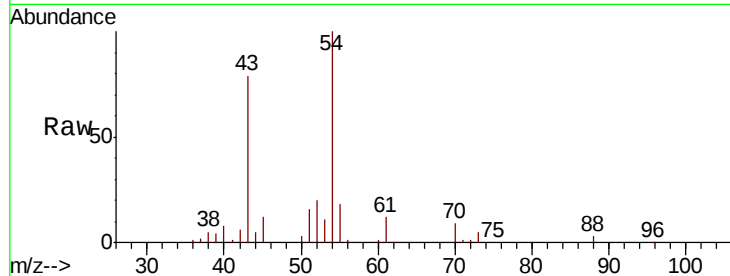
#37
Ethyl Acetate
Concen: 17.14 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.8	17.8
70	10.8	8.4	12.6

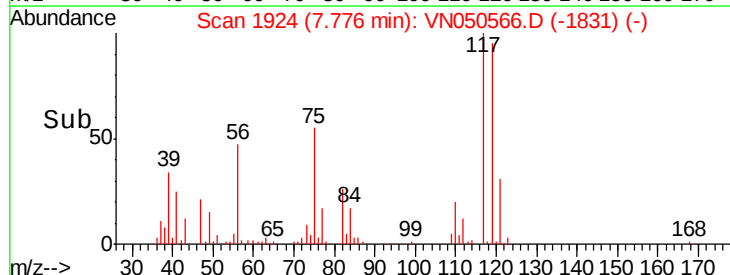
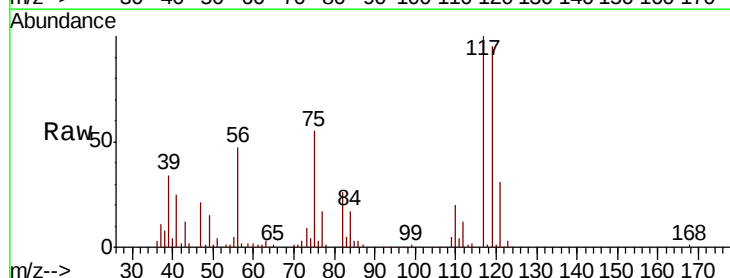
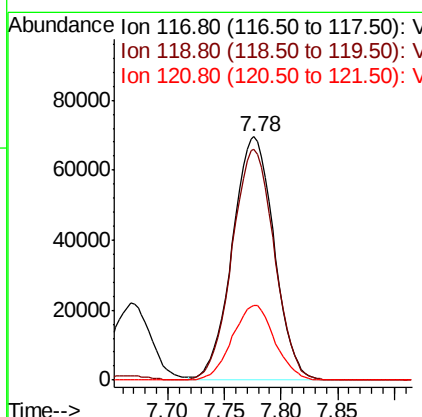
Manual Integrations
APPROVED

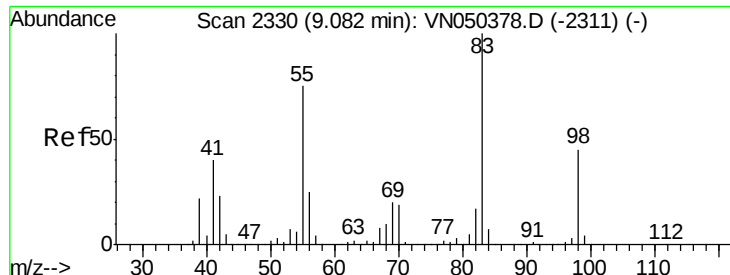
MMDadoda
8/14/2018 12:51:01 PM



#38
Carbon Tetrachloride
Concen: 16.70 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.4	116.0
121	30.8	23.9	35.9





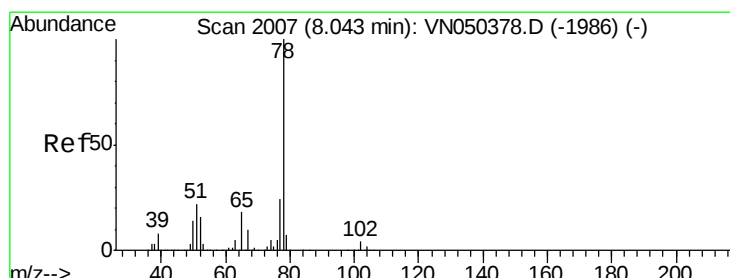
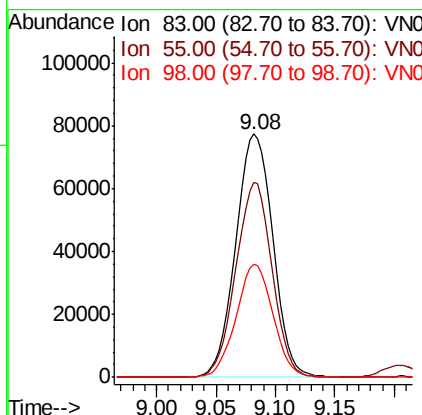
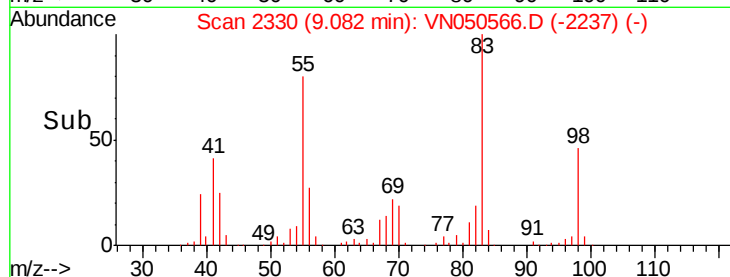
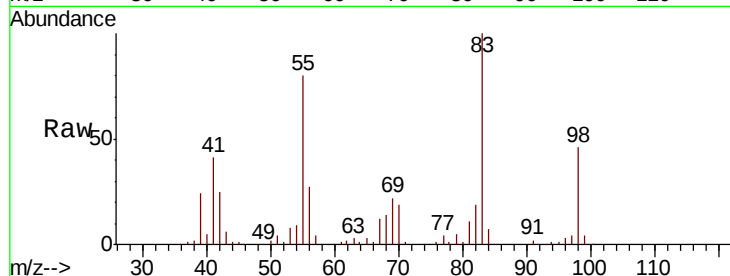
#39
Methvlcvclohexane
Concen: 14.98 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampled :
VN0813WBSD01

Tot Ion	83	Resp	167883
Ion Ratio	100	Lower	Upper
83	100		
55	80.2	61.8	92.8
98	46.3	36.5	54.7

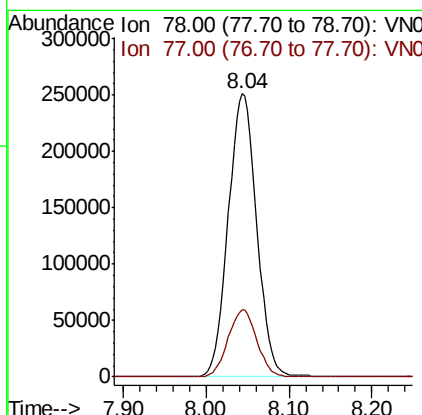
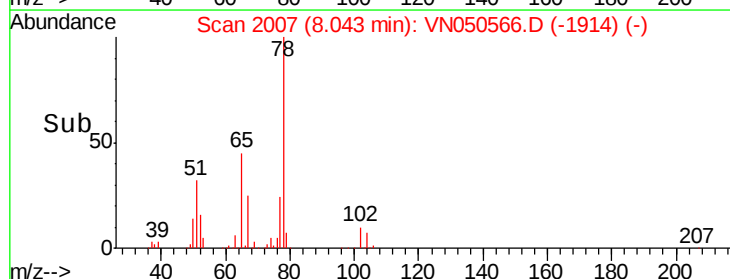
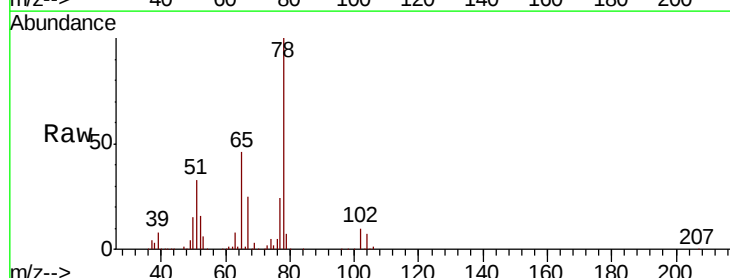
Manual Integrations
APPROVED

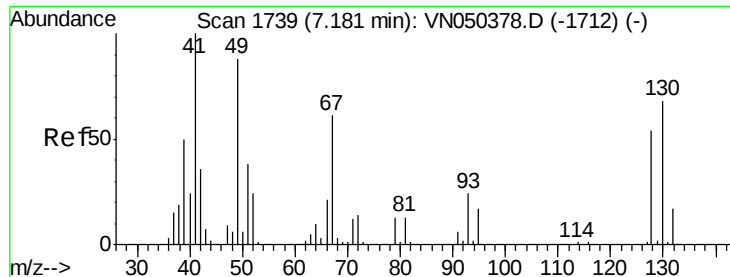
MMDadoda
8/14/2018 12:51:01 PM



#40
Benzene
Concen: 19.00 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	78	Resp	599613
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	18.7	28.1





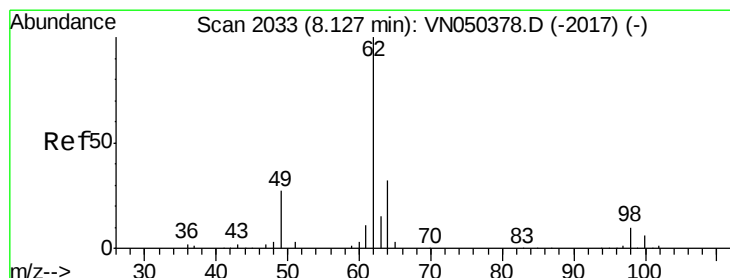
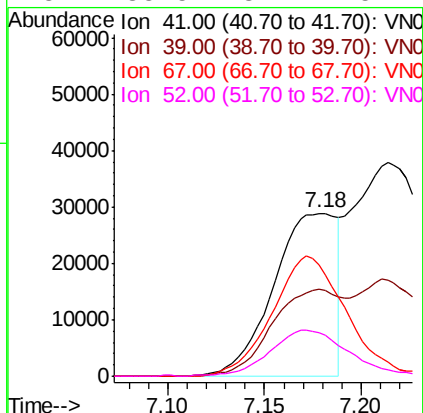
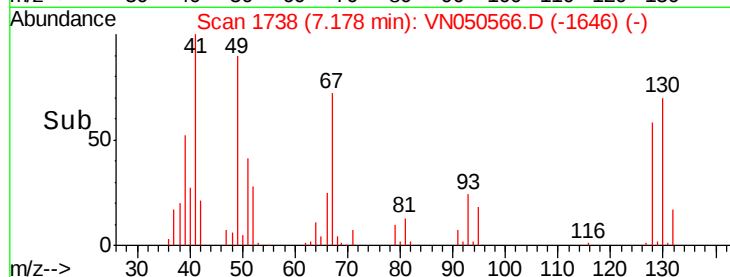
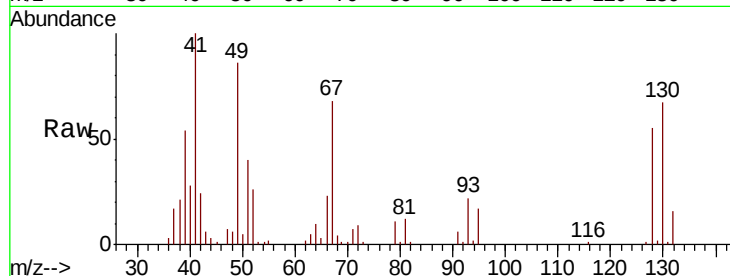
#41
Methacrylonitrile
Concen: 16.77 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.8	55.8	83.6
67	85.8	84.3	126.5
52	35.5	34.2	51.2

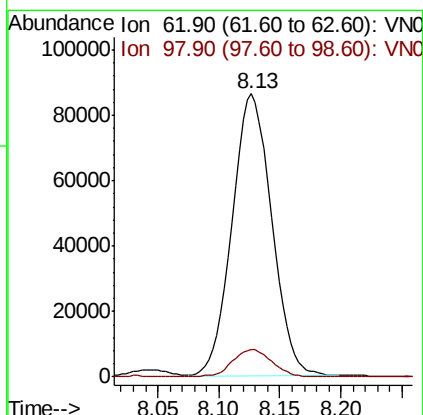
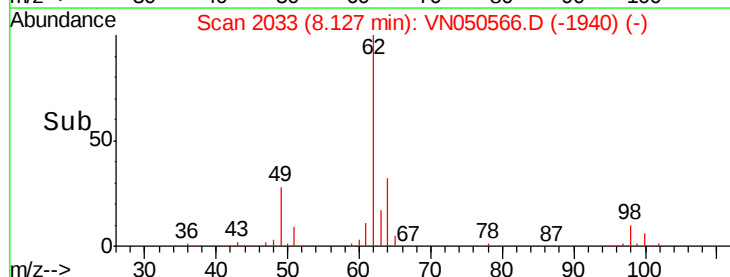
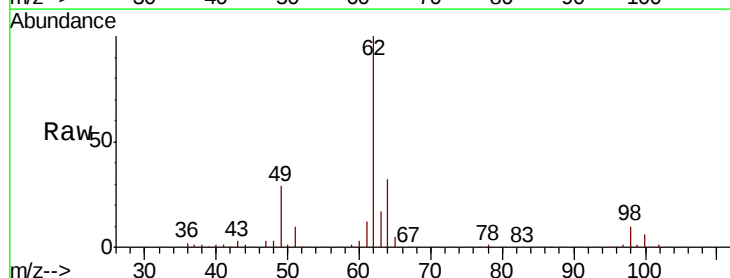
Manual Integrations
APPROVED

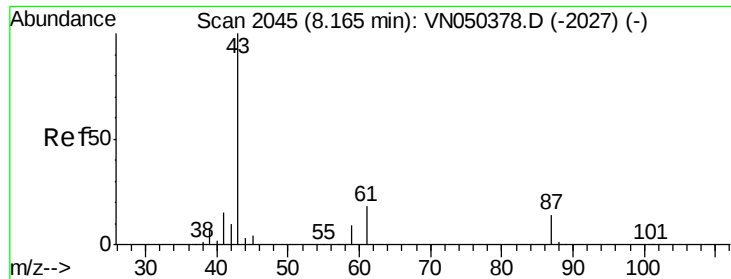
MMDadoda
8/14/2018 12:51:01 PM



#42
1,2-Dichloroethane
Concen: 19.43 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8





#43

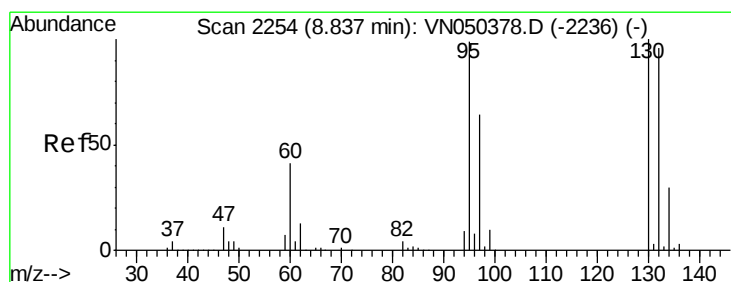
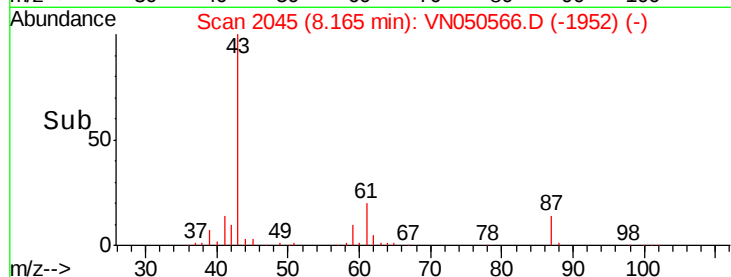
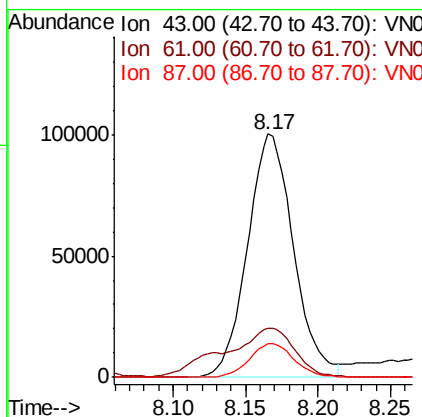
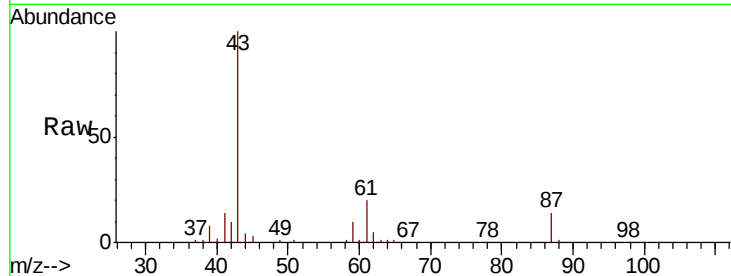
Isopropyl Acetate
 Concen: 17.28 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	15.8	23.6#
87	13.6	10.3	15.5

Manual Integrations
 APPROVED

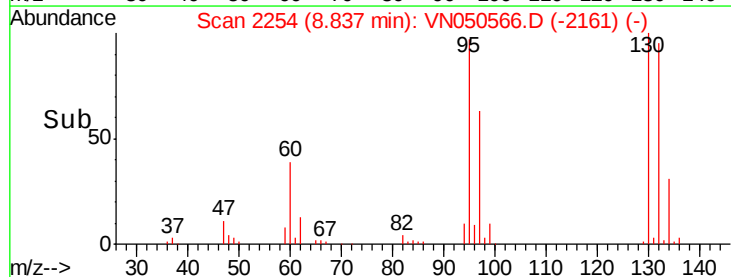
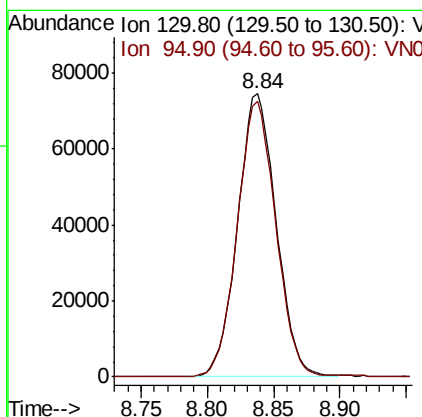
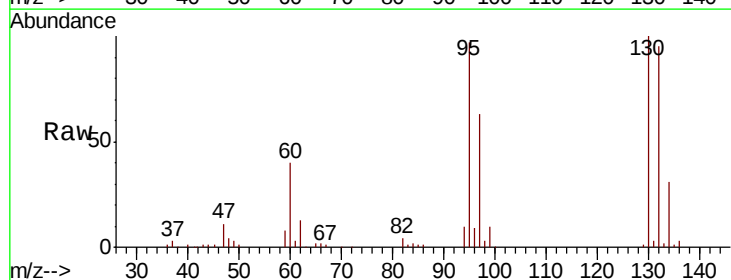
MMDadoda
 8/14/2018 12:51:01 PM

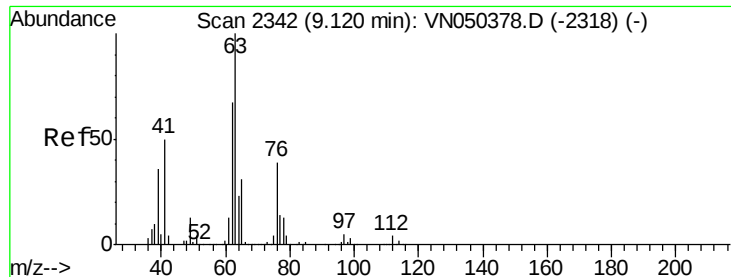


#44

Trichloroethene
 Concen: 17.74 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	194.6





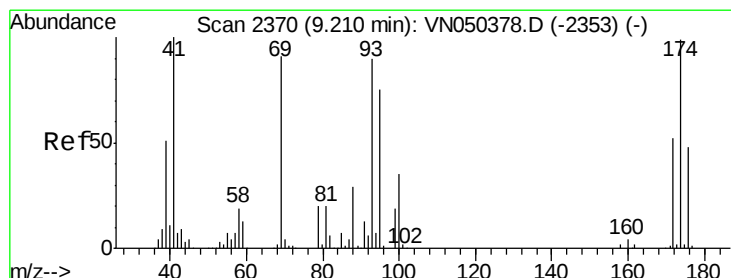
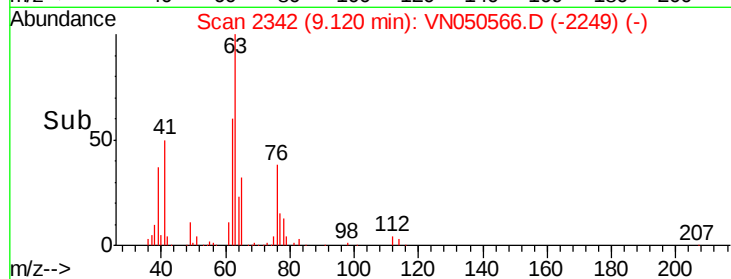
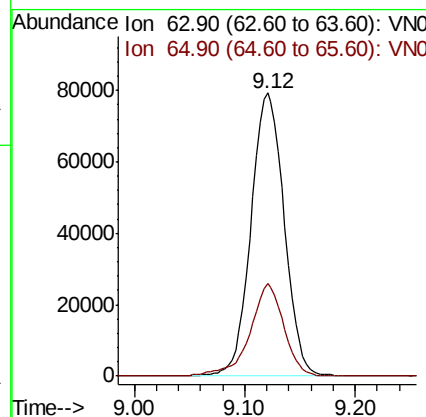
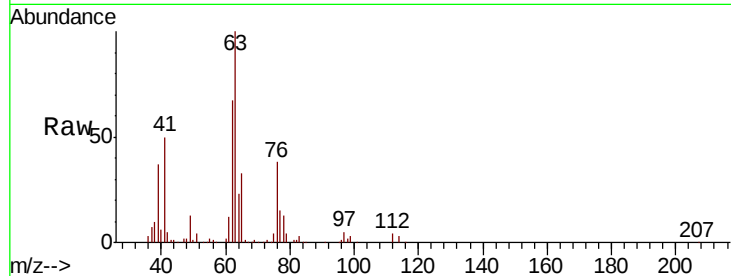
#45
 1,2-Dichloropropane
 Concen: 19.89 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.5	38.3

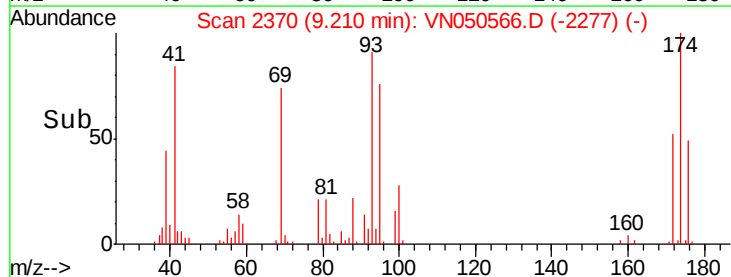
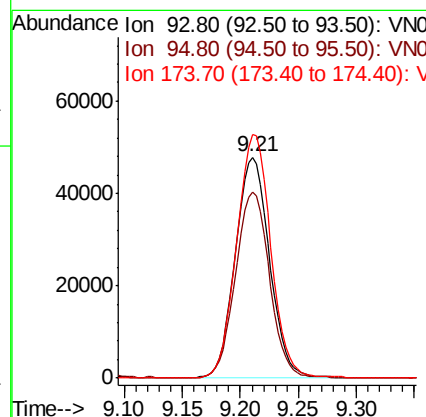
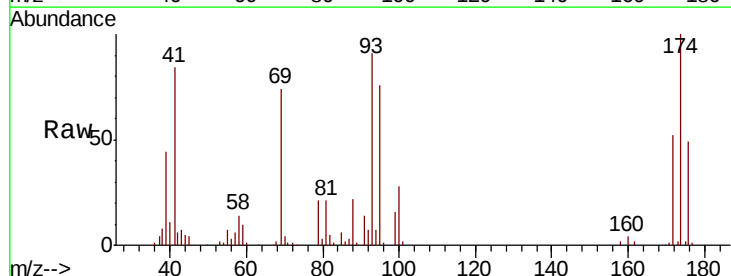
Manual Integrations
 APPROVED

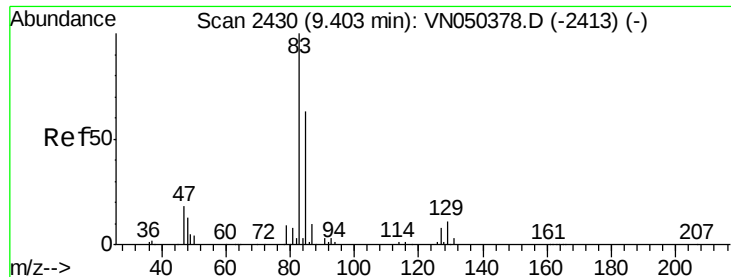
MMDadoda
 8/14/2018 12:51:01 PM



#46
 Dibromomethane
 Concen: 19.13 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.6	100.0
174	109.8	87.1	130.7





#47

Bromodichloromethane

Concen: 19.31 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

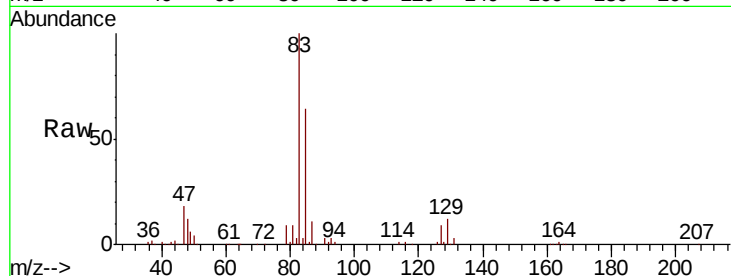
ClientSampleId :

VN0813WBSD01

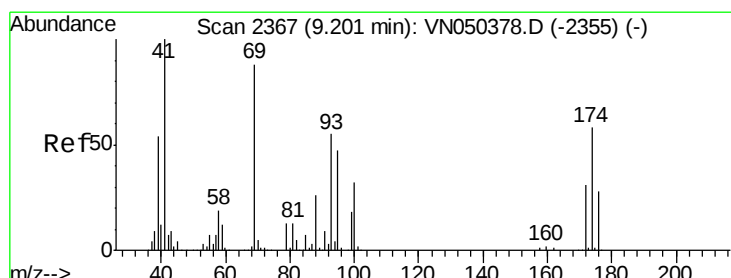
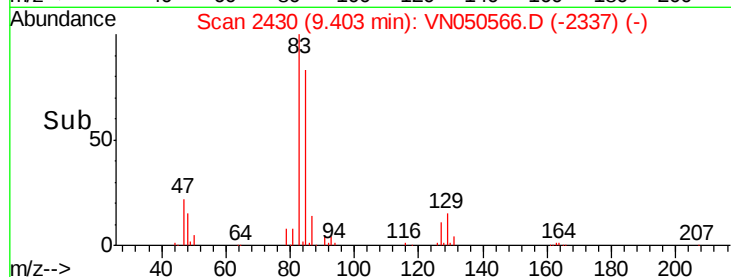
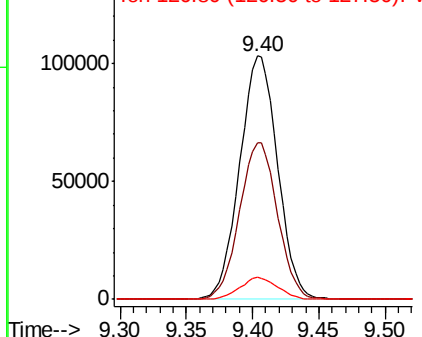
Tot Ion:	83	Resp:	204940
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.1	76.7
127	8.9	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
8/14/2018 12:51:01 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 16.73 ug/l

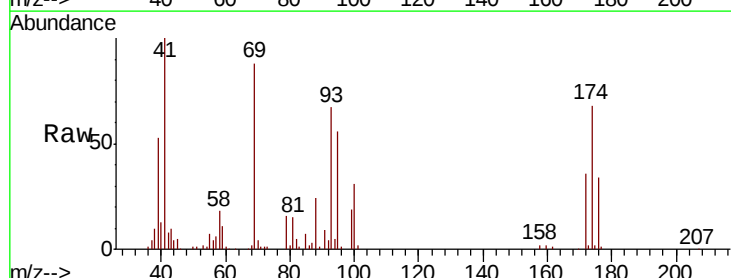
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

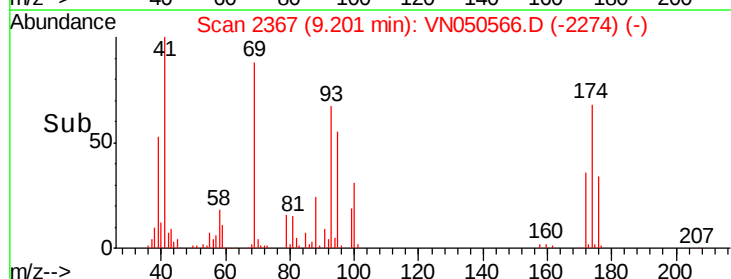
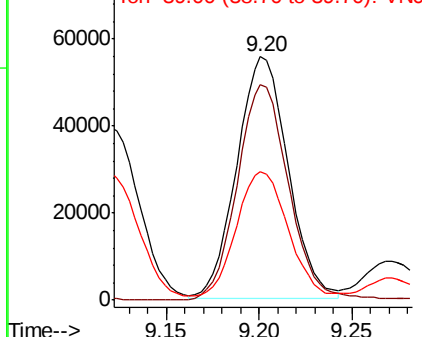
Lab File: VN050566.D

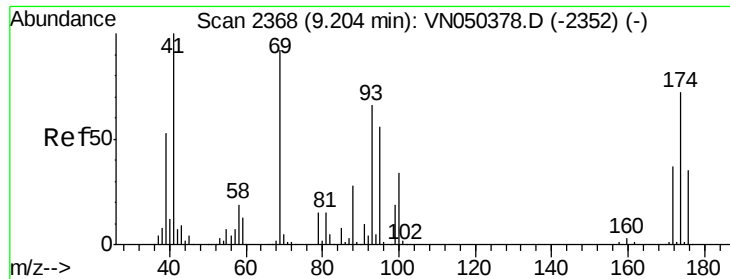
Acq: 13 Aug 2018 14:19

Tgt Ion:	41	Resp:	107018
Ion Ratio	Lower	Upper	
41	100		
69	90.0	70.6	105.8
39	54.4	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 290.84 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

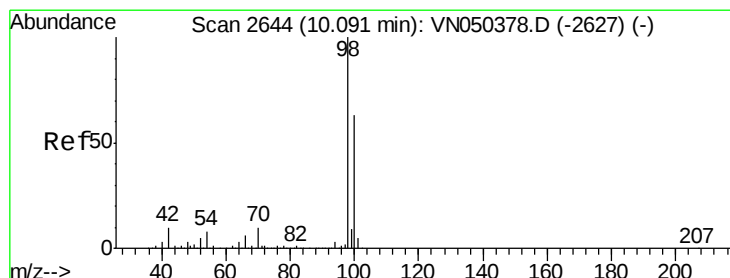
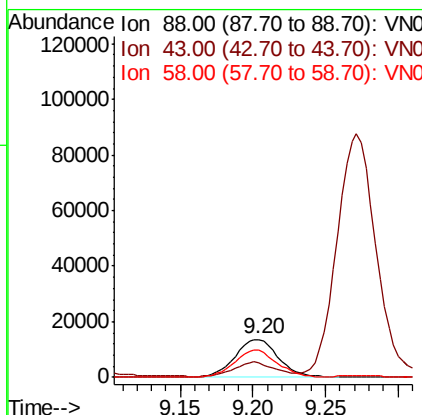
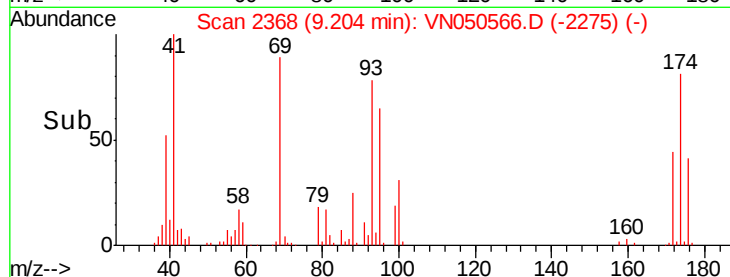
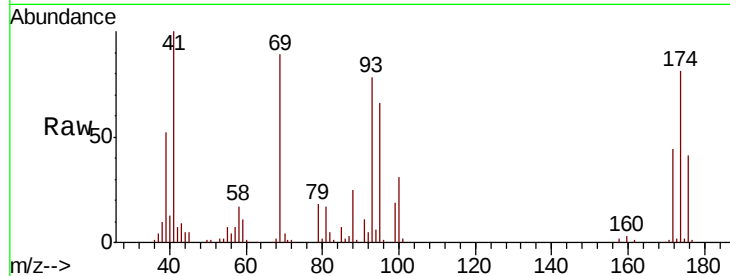
ClientSampleId :

VN0813WBSD01

Tot Ion:	88	Resp:	28675
Ion	Ratio	Lower	Upper
88	100		
43	34.0	26.9	40.3
58	70.4	57.3	85.9

Manual Integrations
APPROVED

MMDadoda
8/14/2018 12:51:01 PM



#50

Toluene-d8

Concen: 46.45 ug/l

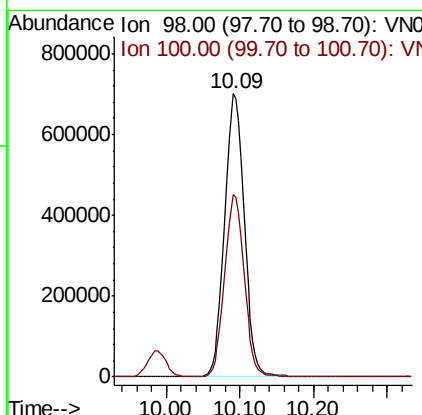
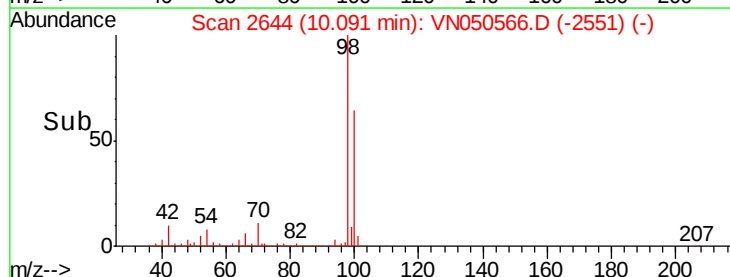
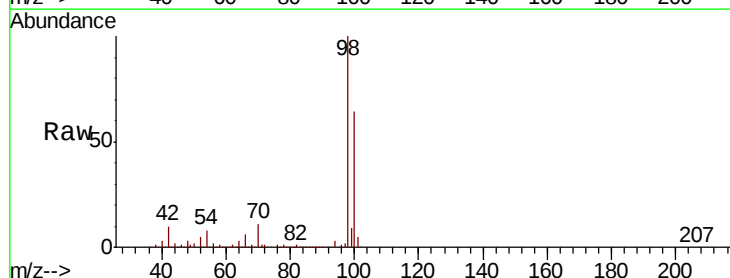
RT: 10.09 min Scan# 2644

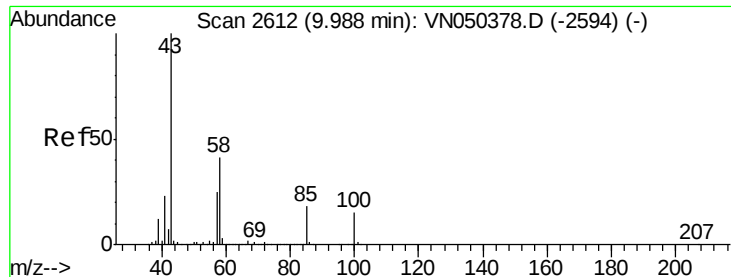
Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Tgt Ion:	98	Resp:	1309274
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.7	76.1





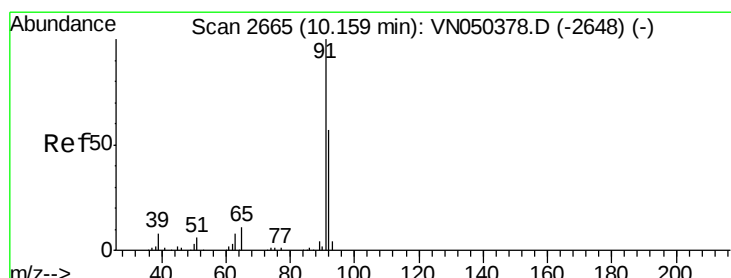
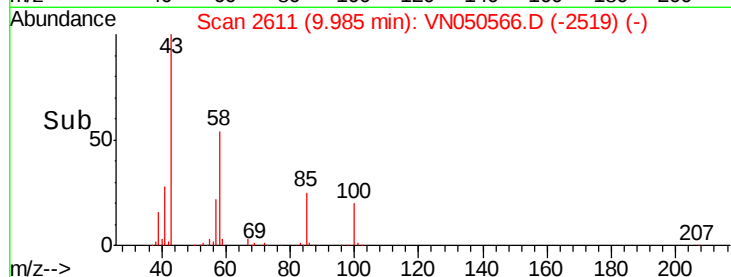
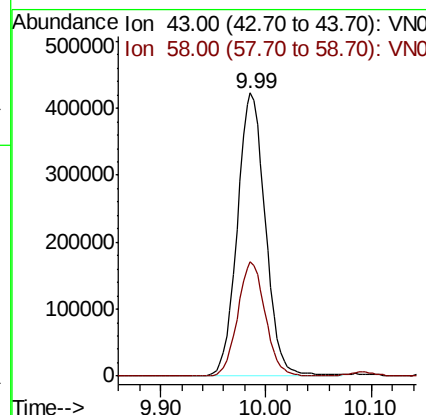
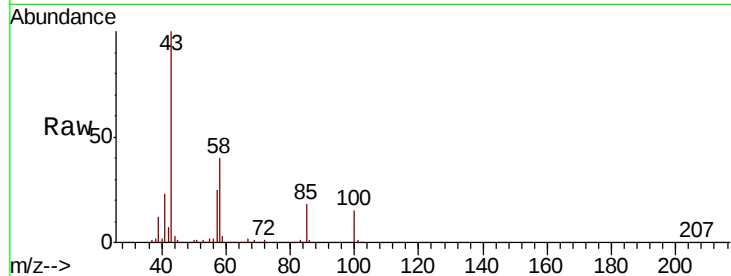
#51
4-Methyl-2-Pentanone
Concen: 84.46 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.9	47.9

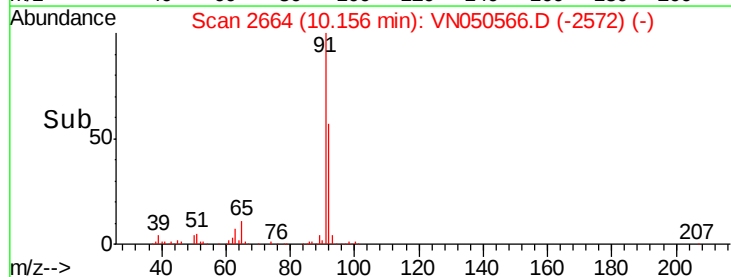
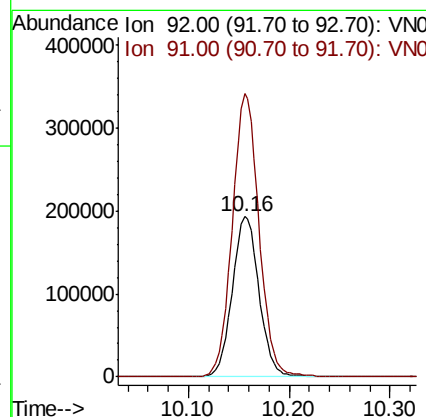
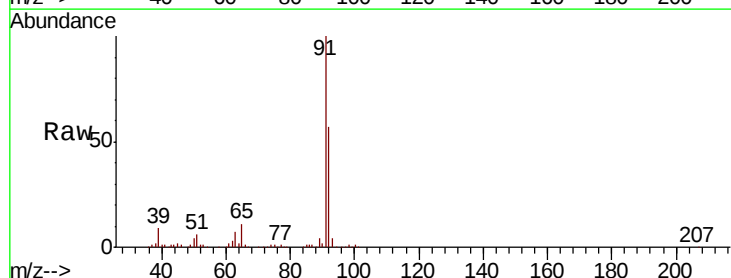
Manual Integrations
APPROVED

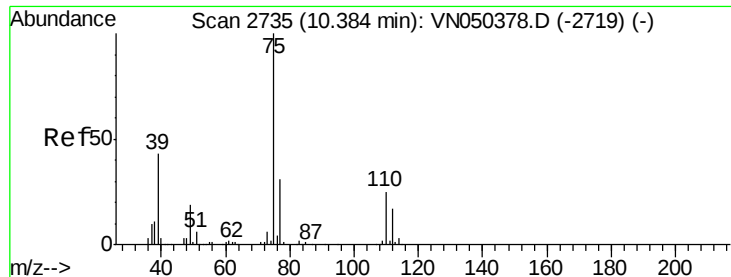
MMDadoda
8/14/2018 12:51:01 PM



#52
Toluene
Concen: 18.81 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.3	140.3	210.5





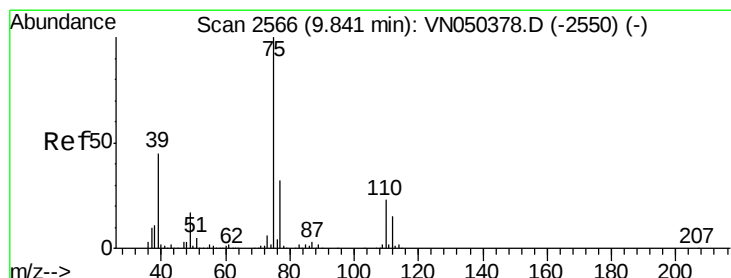
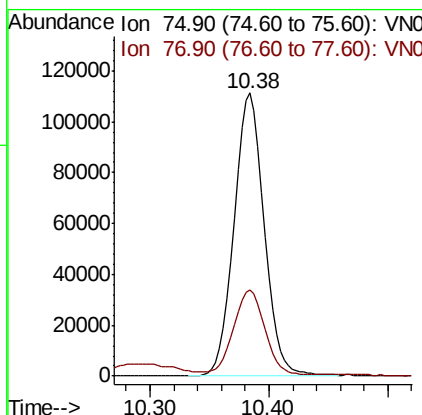
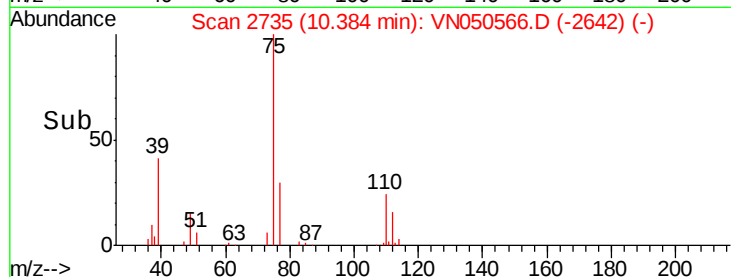
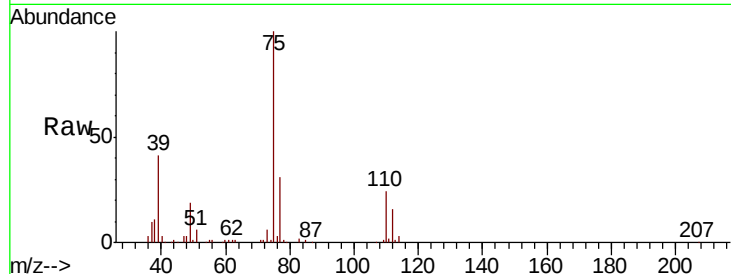
#53
t-1,3-Dichloropropene
Concen: 18.39 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.9	37.3

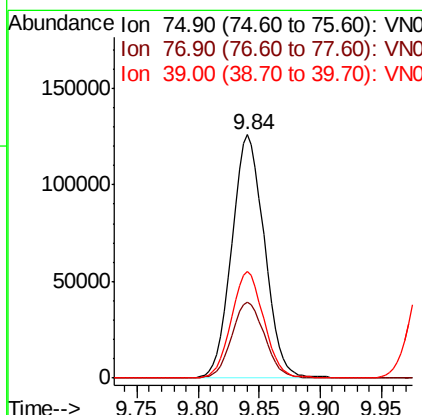
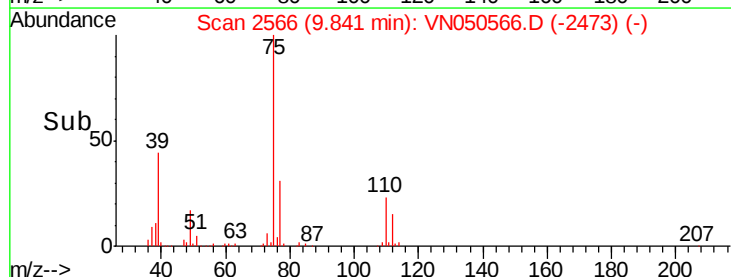
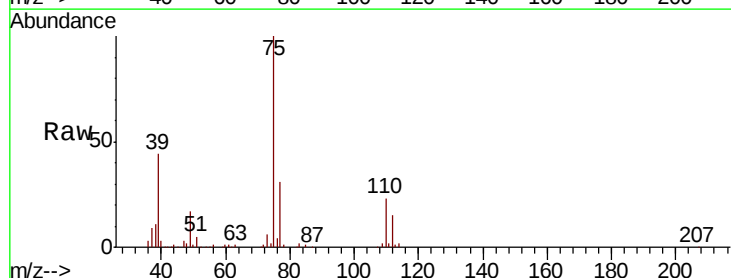
Manual Integrations
APPROVED

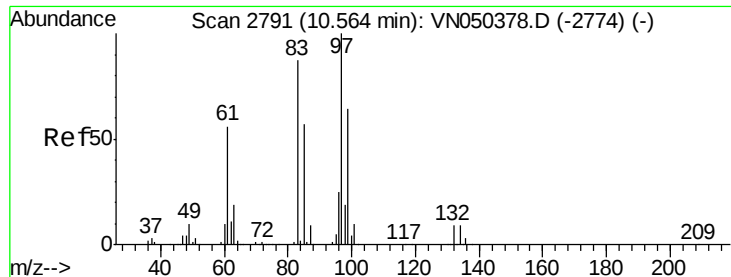
MMDadoda
8/14/2018 12:51:01 PM



#54
cis-1,3-Dichloropropene
Concen: 19.67 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3
39	43.8	36.6	55.0





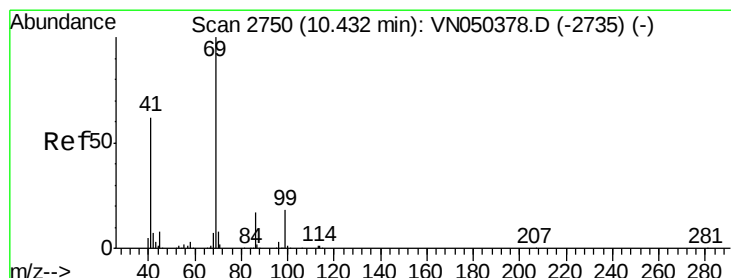
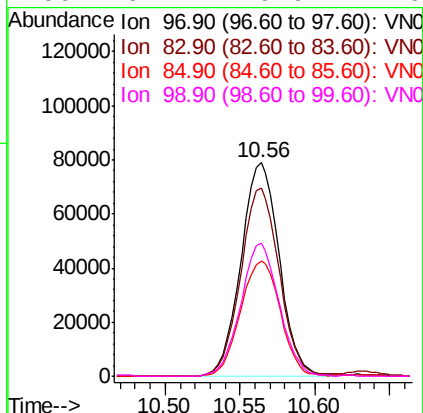
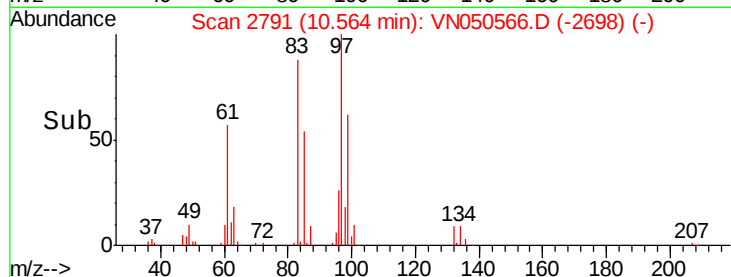
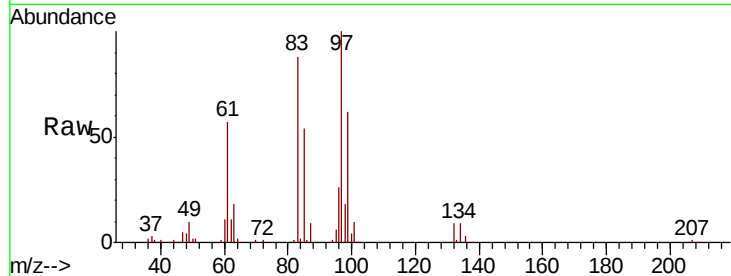
#55
 1,1,2-Trichloroethane
 Concen: 19.04 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		140924		
83	87.9	69.2	103.8		
85	54.0	44.0	66.0		
99	62.4	49.9	74.9		

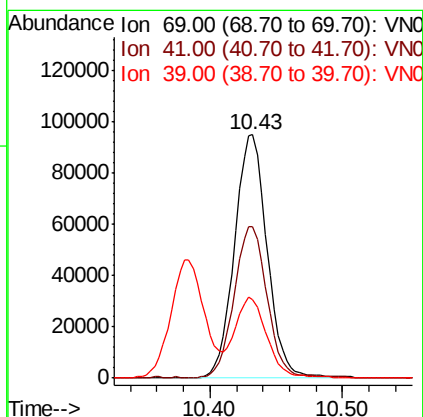
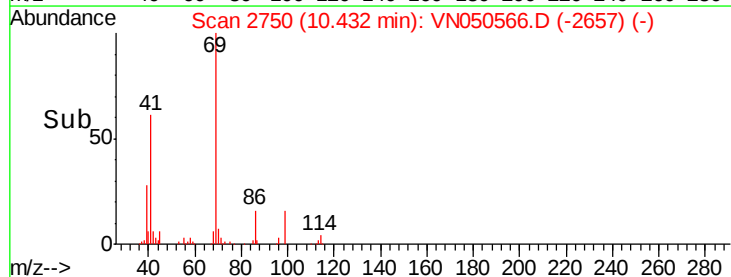
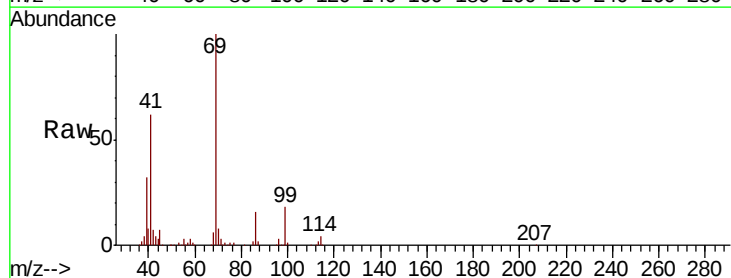
Manual Integrations
 APPROVED

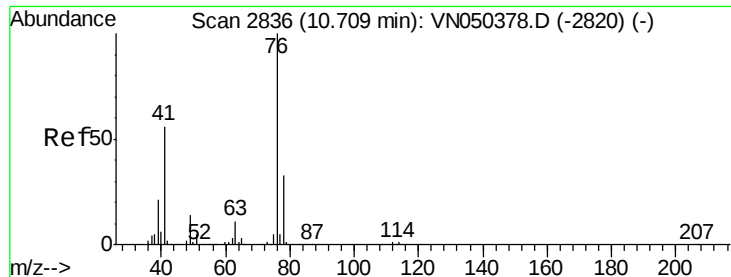
MMDadoda
 8/14/2018 12:51:01 PM



#56
 Ethyl methacrylate
 Concen: 16.70 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		162596		
41	62.1	51.0	76.4		
39	32.2	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 19.23 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 76 Resp: 233613

Ion Ratio Lower Upper

76 100

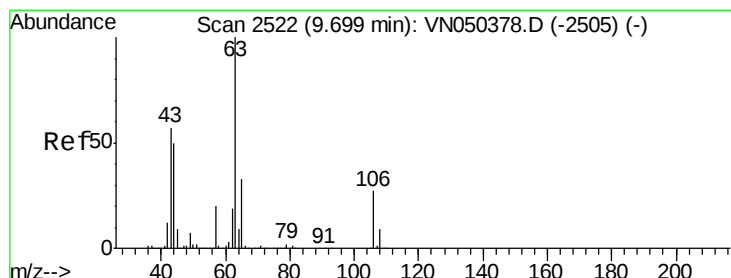
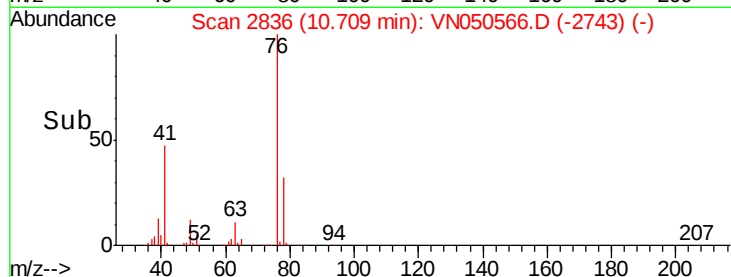
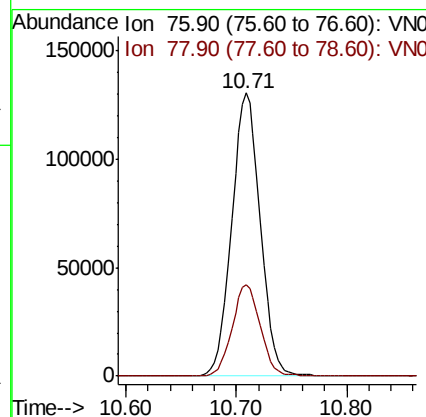
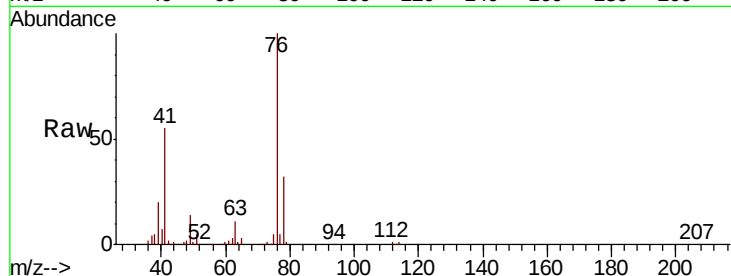
78 32.0 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

8/14/2018 12:51:01 PM



#58

2-Chloroethyl Vinyl ether

Concen: 84.22 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050566.D

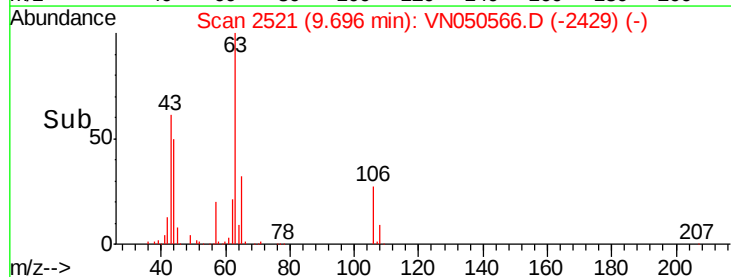
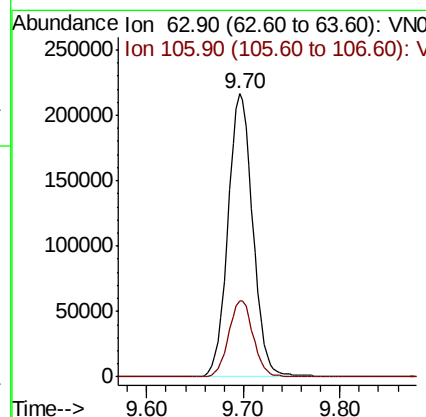
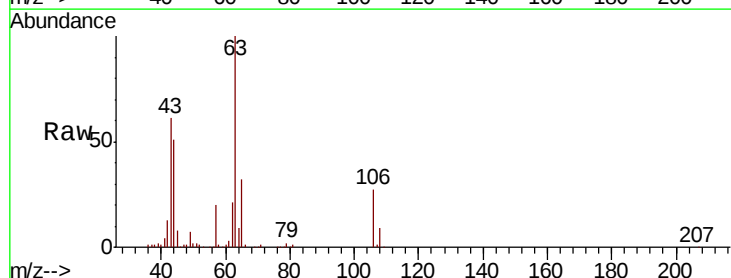
Acq: 13 Aug 2018 14:19

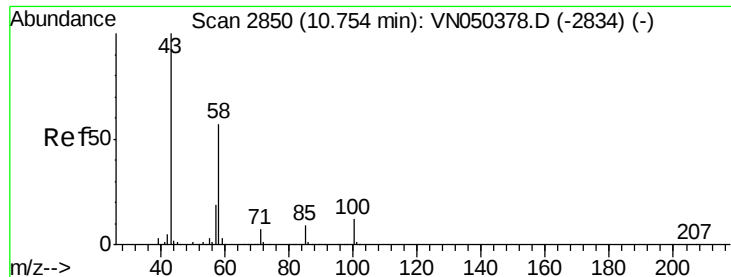
Tgt Ion: 63 Resp: 386509

Ion Ratio Lower Upper

63 100

106 26.7 21.7 32.5





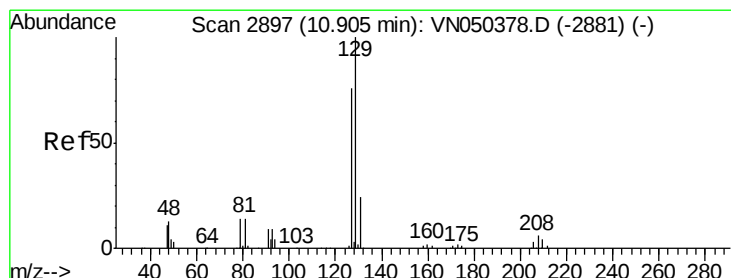
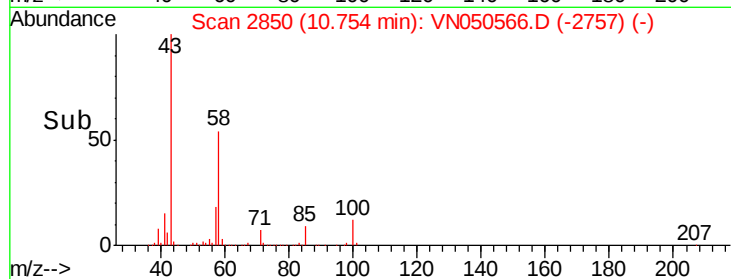
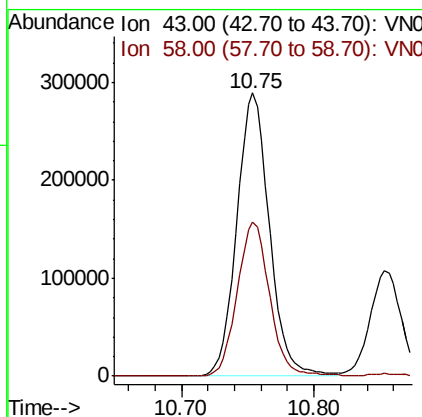
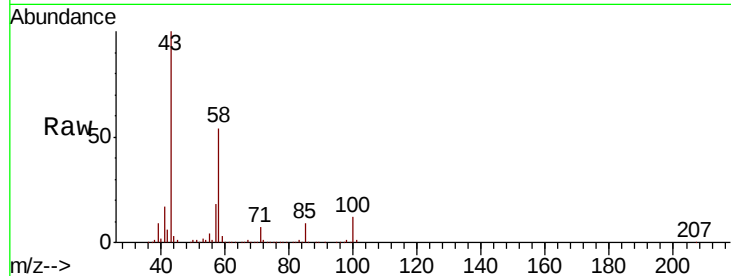
#59
2-Hexanone
Concen: 76.65 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.6	82.7

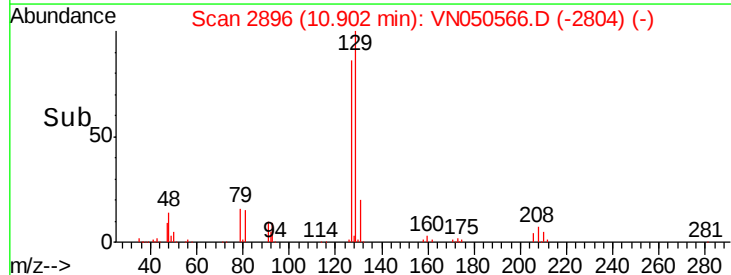
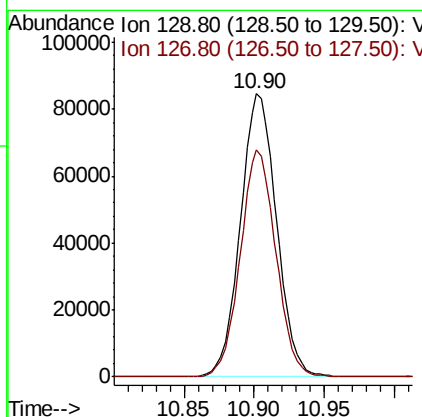
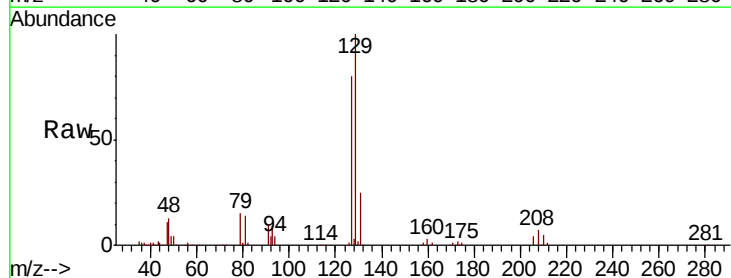
Manual Integrations
APPROVED

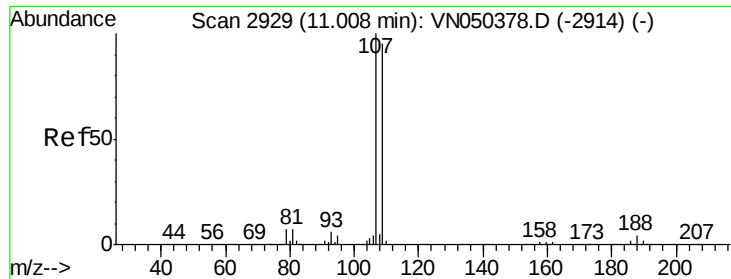
MMDadoda
8/14/2018 12:51:01 PM



#60
Dibromochloromethane
Concen: 18.68 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.0	113.9





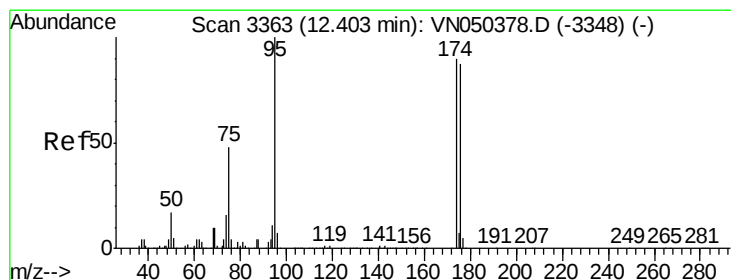
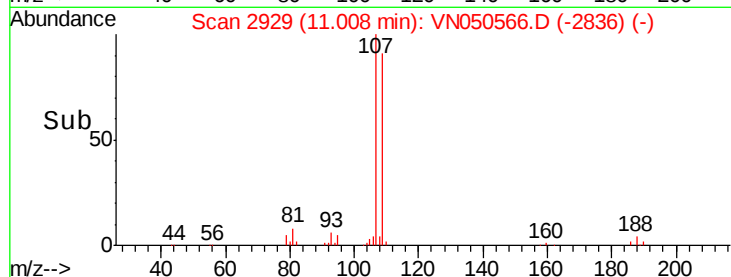
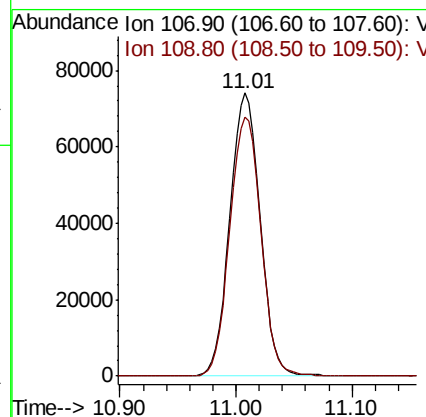
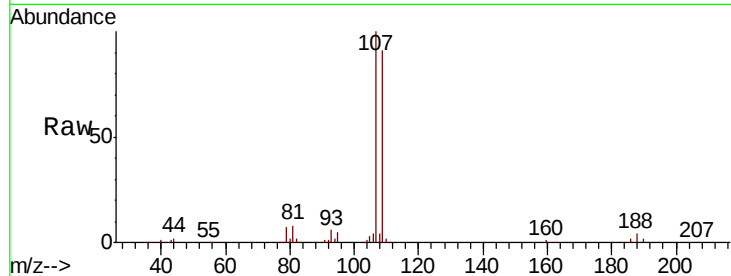
#61
 1,2-Dibromoethane
 Concen: 18.33 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.6	112.0

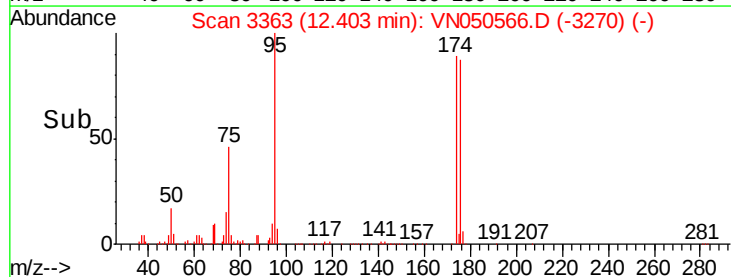
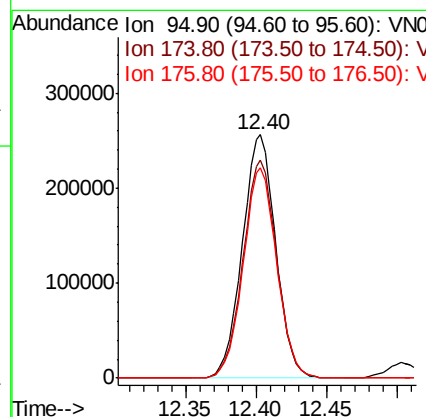
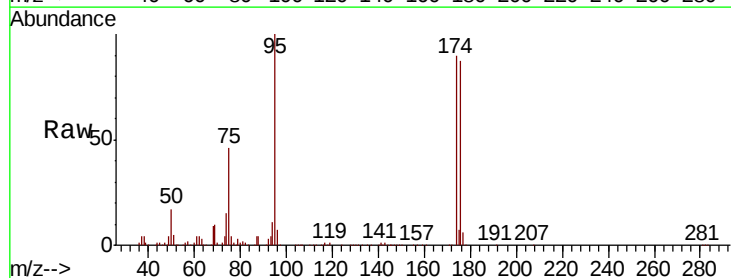
Manual Integrations
 APPROVED

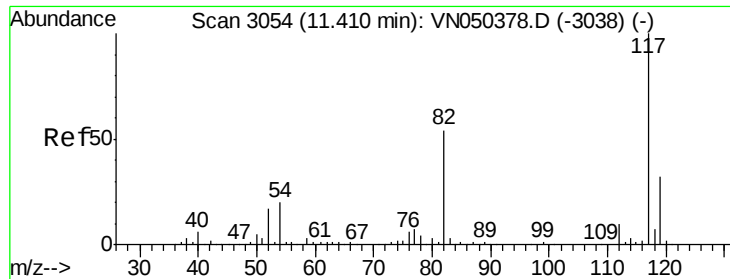
MMDadoda
 8/14/2018 12:51:01 PM



#62
 4-Bromofluorobenzene
 Concen: 44.22 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	178.2
176	86.8	0.0	173.4





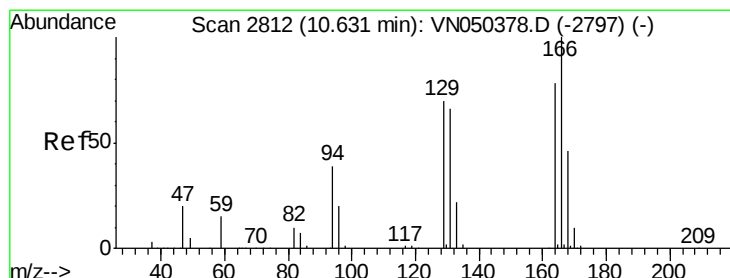
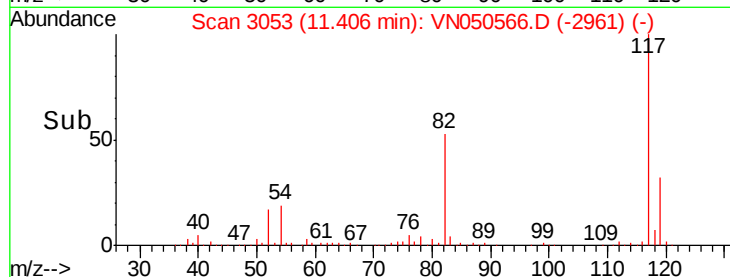
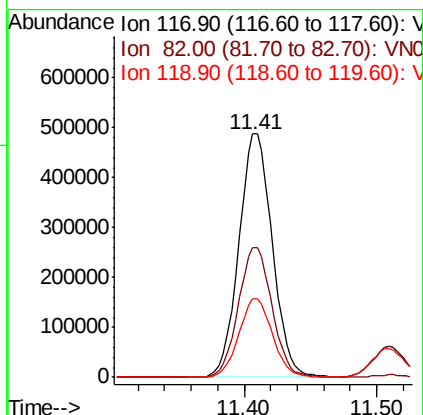
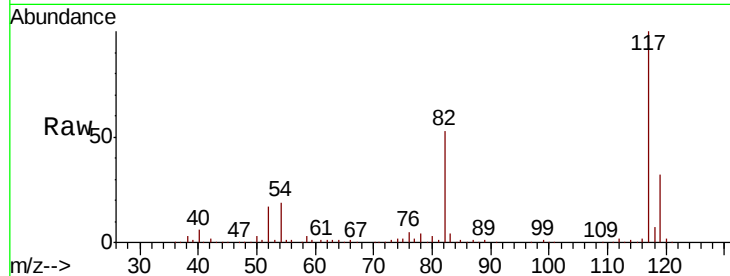
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.7	65.5
119	32.3	26.1	39.1

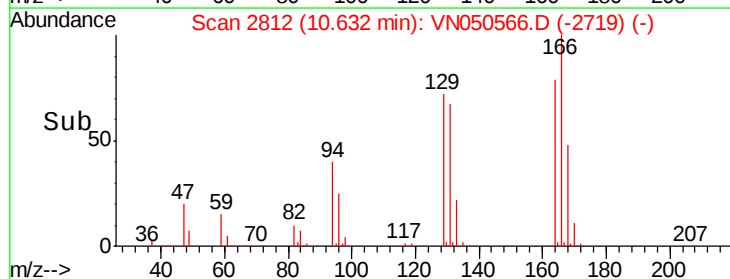
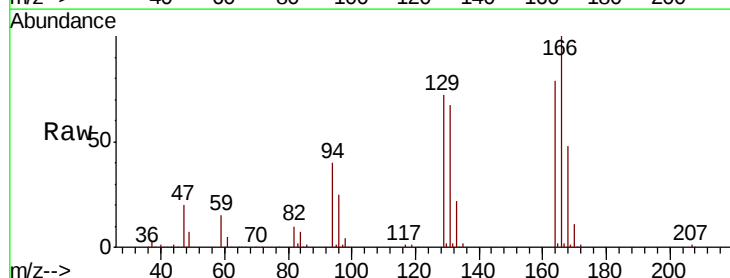
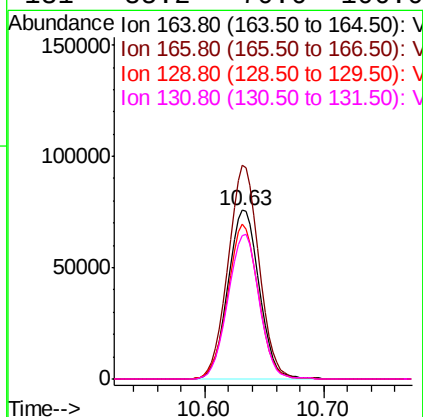
Manual Integrations
APPROVED

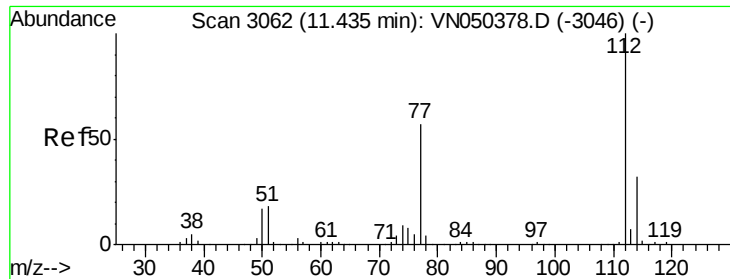
MMDadoda
8/14/2018 12:51:01 PM



#64
Tetrachloroethene
Concen: 17.32 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.1	153.1
129	91.5	73.2	109.8
131	85.2	70.6	106.0





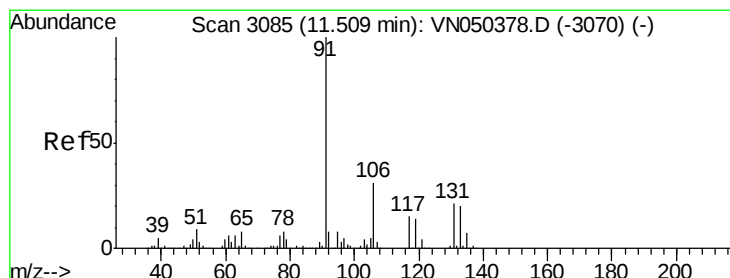
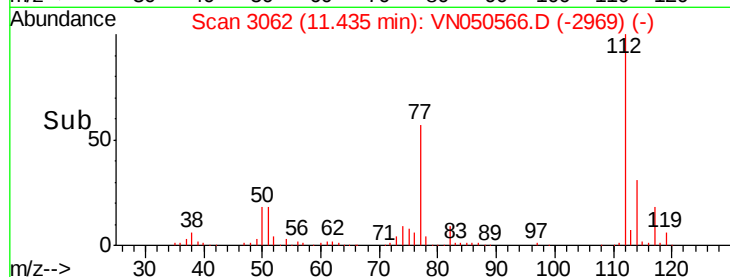
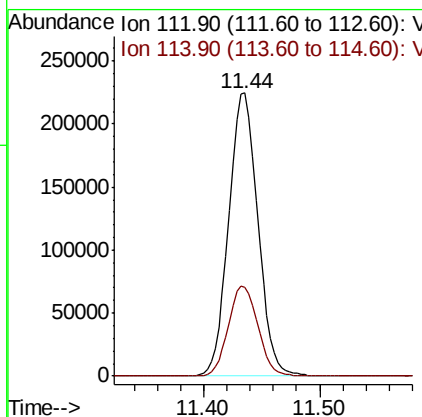
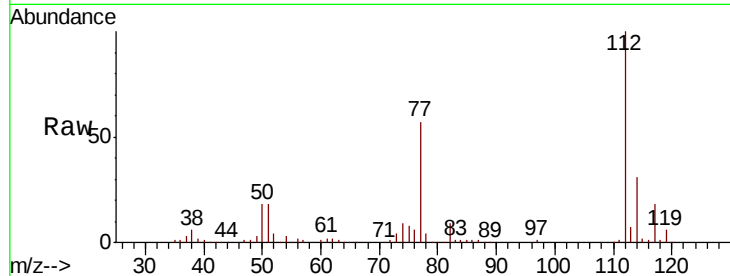
#65
Chlorobenzene
Concen: 18.21 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion:112 Resp: 390451
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4

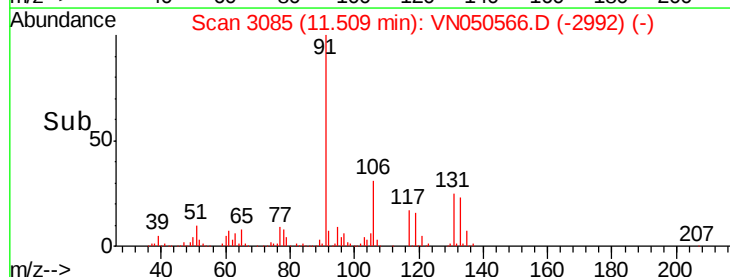
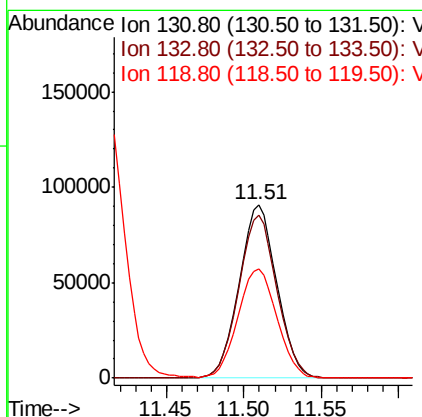
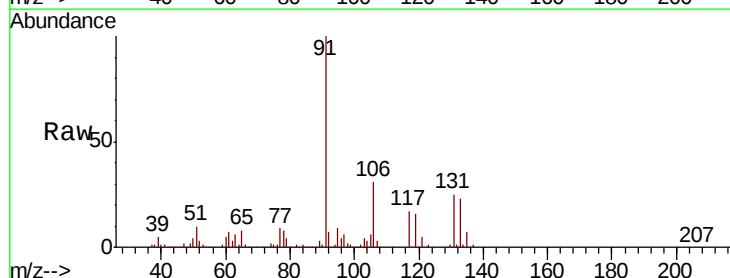
Manual Integrations
APPROVED

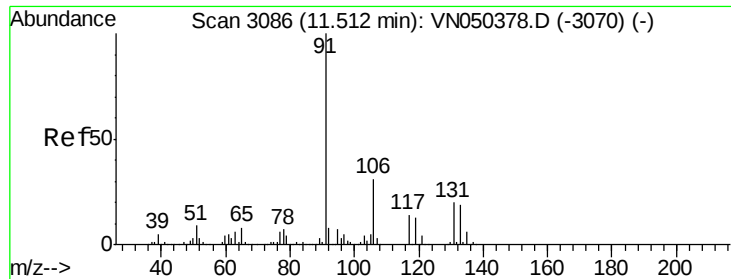
MMDadoda
8/14/2018 12:51:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.66 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion:131 Resp: 153414
Ion Ratio Lower Upper
131 100
133 95.5 47.3 141.9
119 65.5 32.9 98.7





#67

Ethyl Benzene

Concen: 17.78 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 91 Resp: 616352

Ion Ratio Lower Upper

91 100

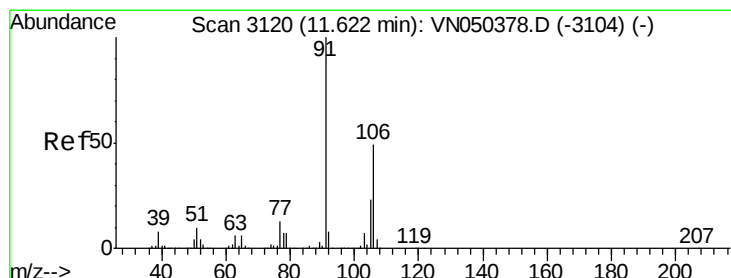
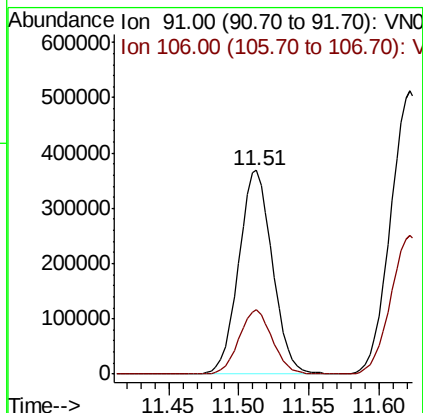
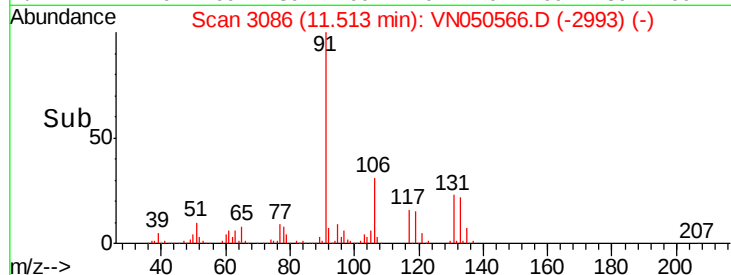
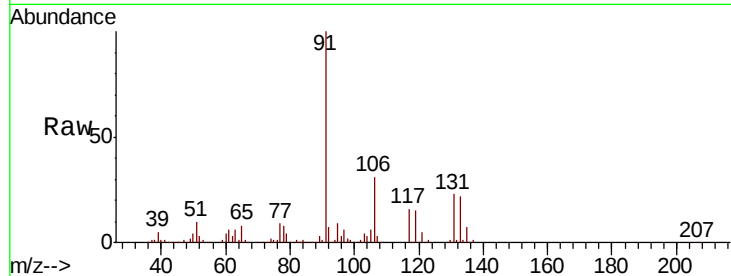
106 31.4 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

8/14/2018 12:51:01 PM



#68

m/p-Xylenes

Concen: 36.42 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050566.D

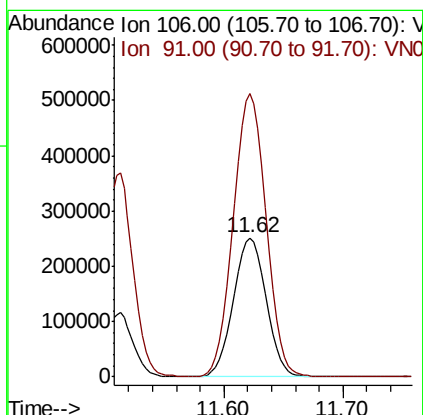
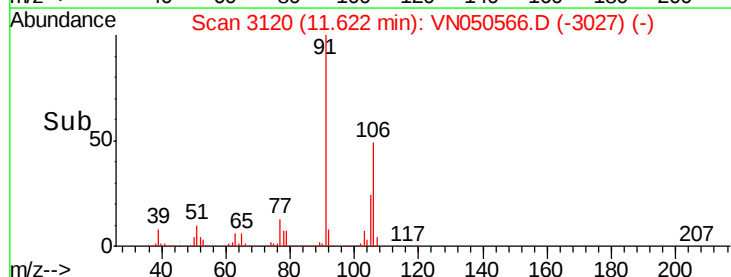
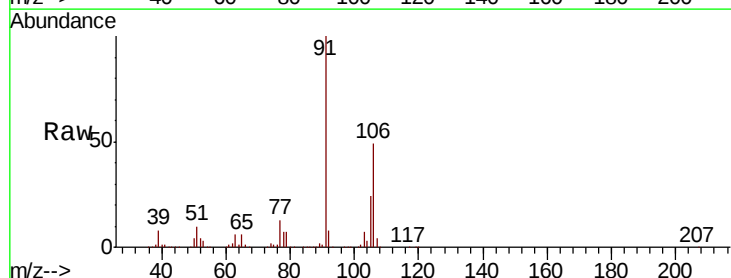
Acq: 13 Aug 2018 14:19

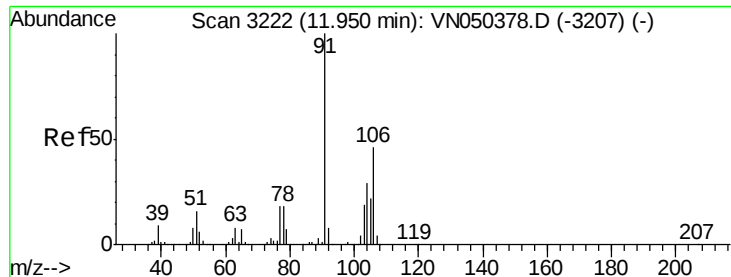
Tgt Ion: 106 Resp: 480507

Ion Ratio Lower Upper

106 100

91 204.1 162.2 243.2





#69

o-Xylene

Concen: 18.57 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

ClientSampled :

VN0813WBSD01

Tot Ion:106 Resp: 236045

Ion Ratio Lower Upper

106 100

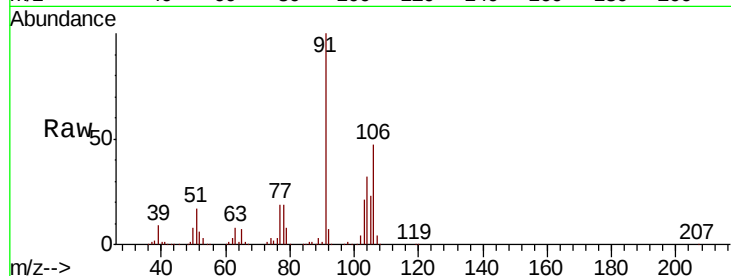
91 214.9 107.7 323.1

Manual Integrations

APPROVED

MMDadoda

8/14/2018 12:51:01 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

300000

200000

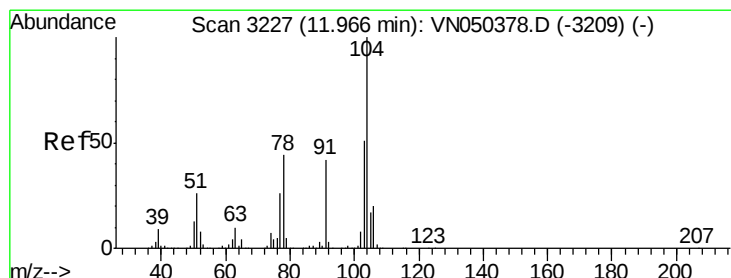
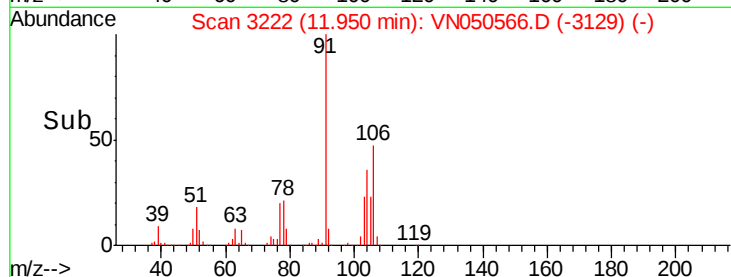
100000

0

11.95

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 18.51 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

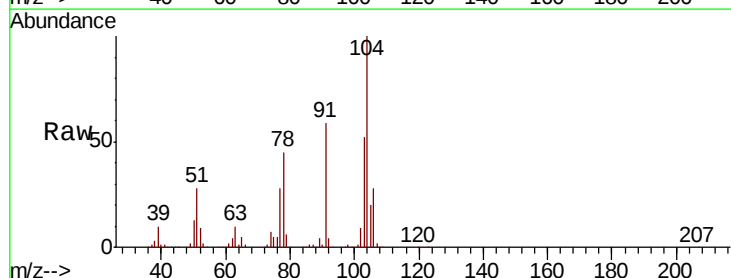
Tgt Ion:104 Resp: 382475

Ion Ratio Lower Upper

104 100

78 48.9 39.3 58.9

103 56.6 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

300000

250000

200000

150000

100000

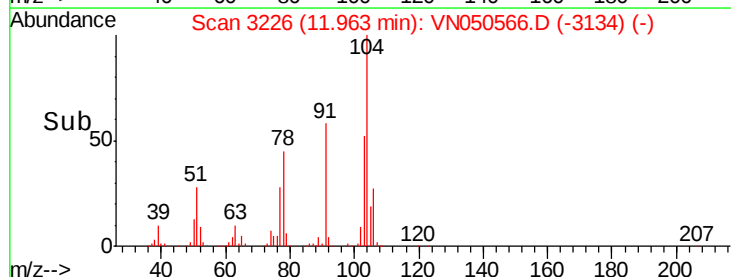
50000

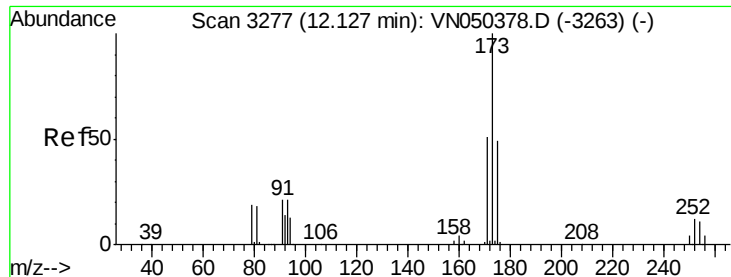
0

11.96

11.90 11.95 12.00

Time-->





#71

Bromoform

Concen: 17.55 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

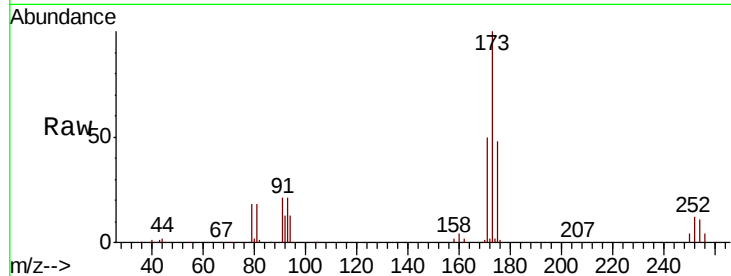
ClientSampleId :

VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.2
254	0.1	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
8/14/2018 12:51:01 PM

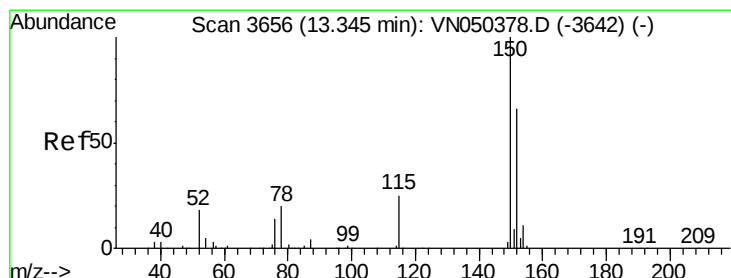
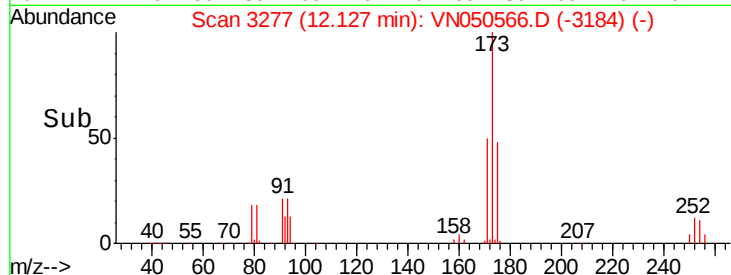
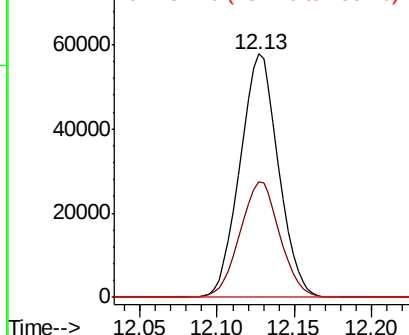


Abundance

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: 50.00 ug/l

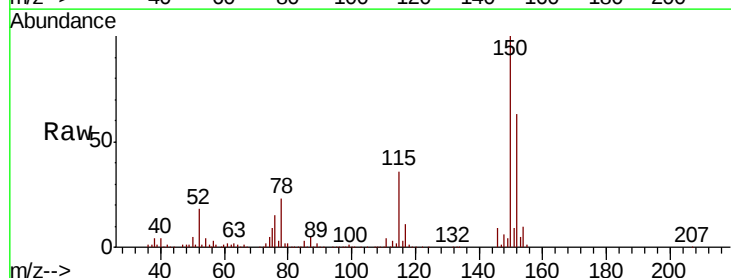
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	27.8	83.3
150	163.5	0.0	348.6

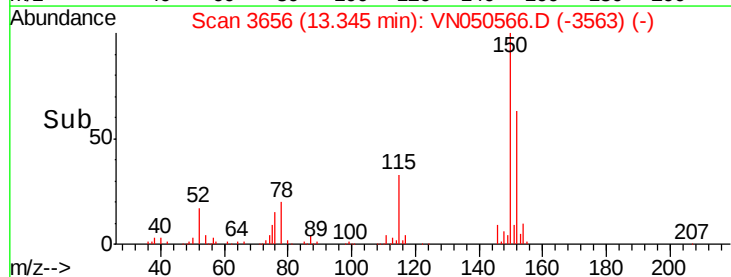
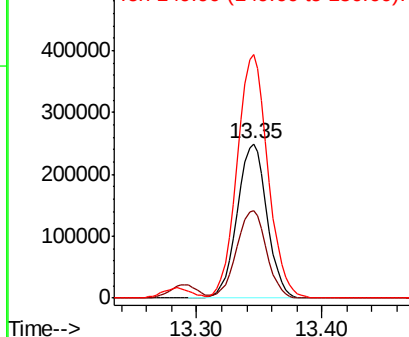


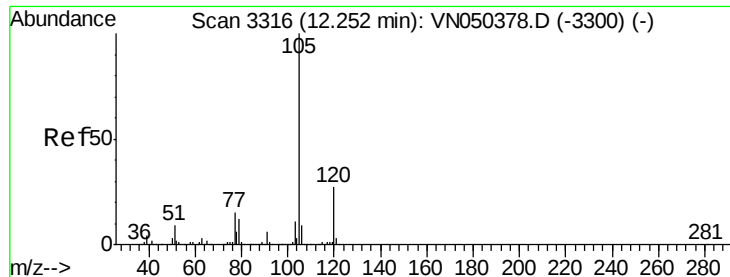
Abundance

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: 19.23 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 105 Resp: 591906

Ion Ratio Lower Upper

105 100

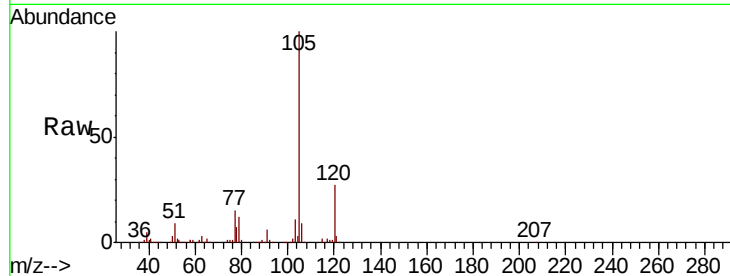
120 26.4 13.3 39.8

Manual Integrations

APPROVED

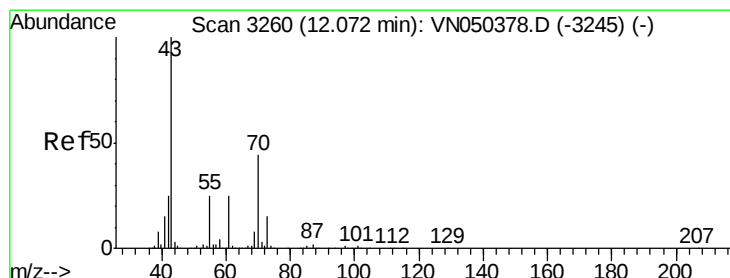
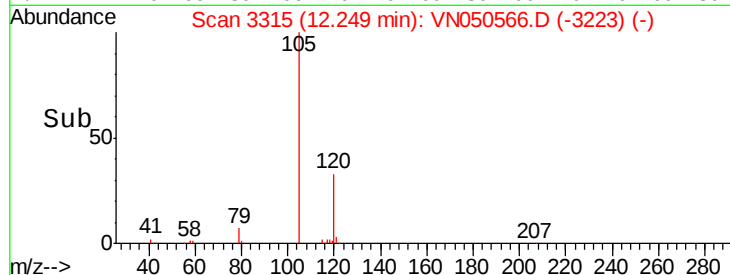
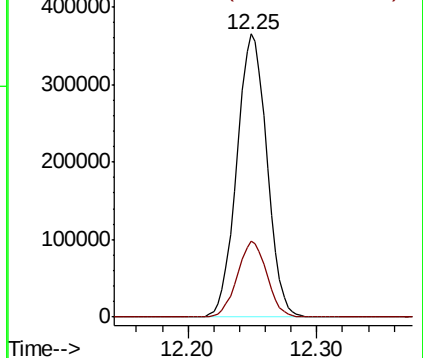
MMDadoda

8/14/2018 12:51:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.07 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Tgt Ion: 43 Resp: 170274

Ion Ratio Lower Upper

43 100

70 43.8 34.4 51.6

55 27.3 20.8 31.2

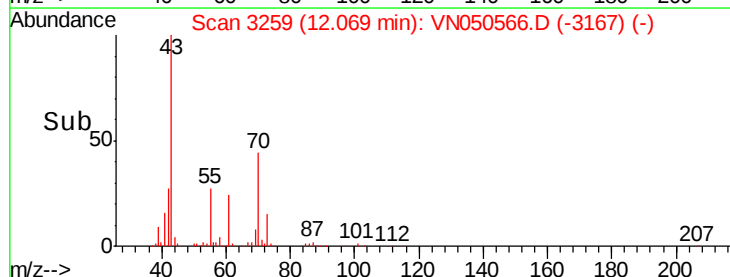
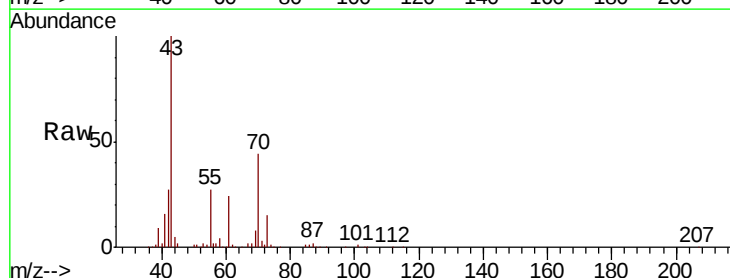
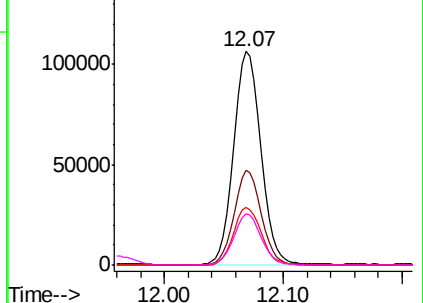
61 24.1 19.7 29.5

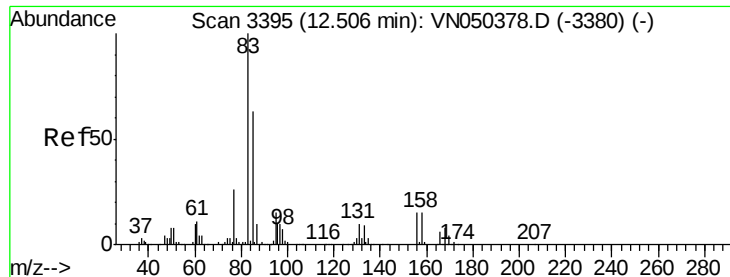
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.84 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

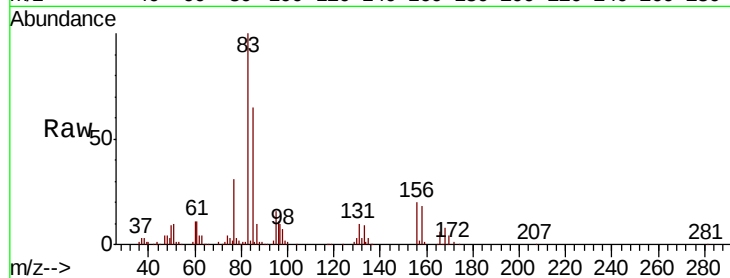
ClientSampleId :

VN0813WBSD01

Tot Ion:	83	Resp:	167254
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	64.9	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
8/14/2018 12:51:01 PM



Abundance Ion 82.90 (82.60 to 83.60): VN050378.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050378.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050378.D (-3380) (-)

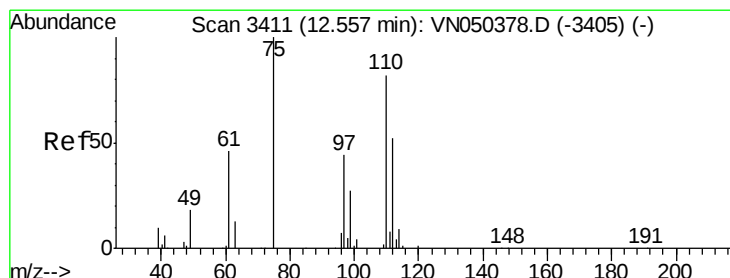
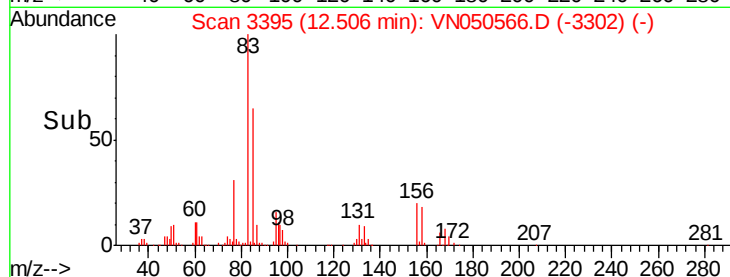
12.51

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.23 ug/l m

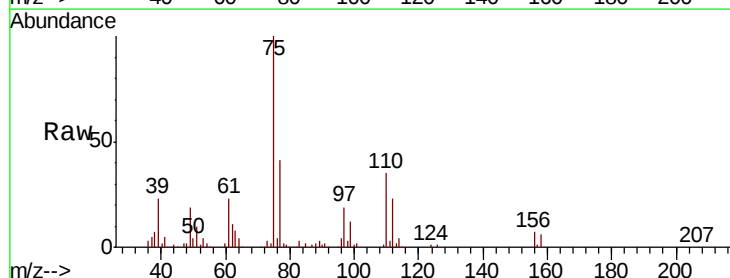
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Tgt Ion:	75	Resp:	135302
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050378.D (-3405) (-)

12.55

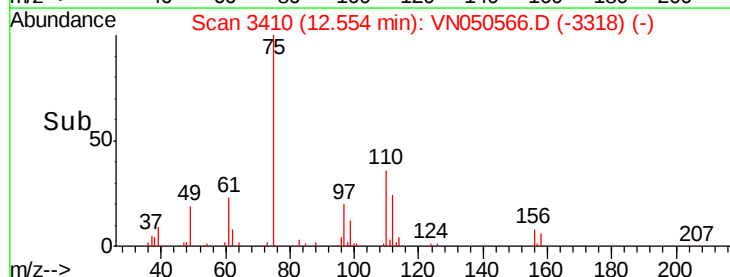
150000

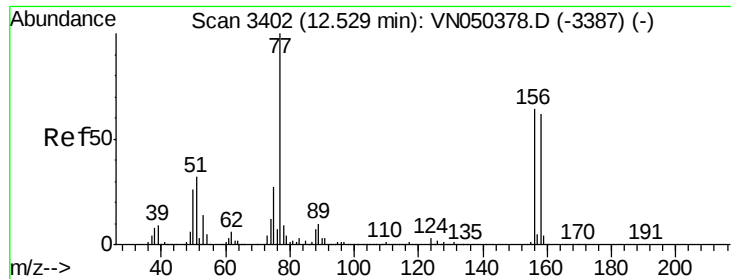
100000

50000

0

Time-->





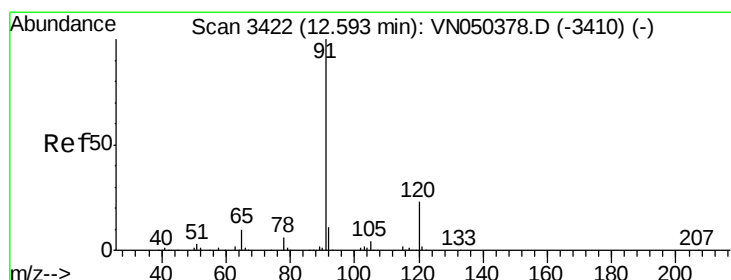
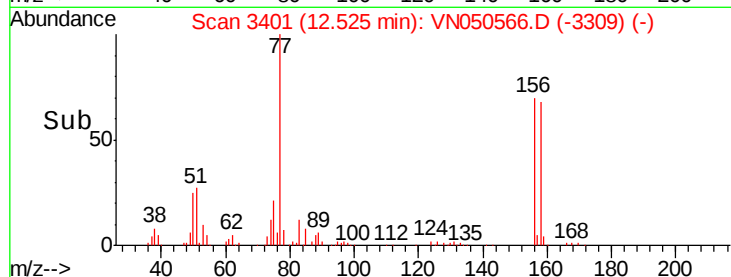
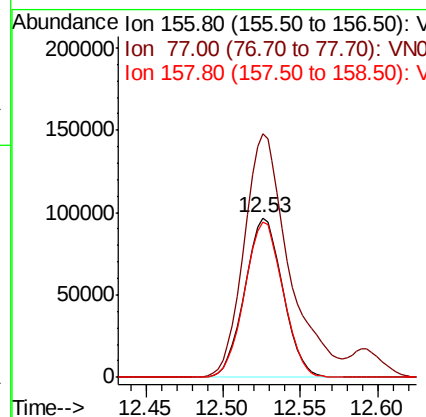
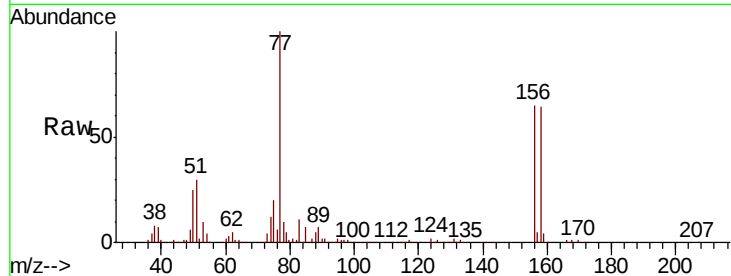
#77
Bromobenzene
Concen: 20.13 ug/l
RT: 12.53 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.2	91.7	275.1
158	98.0	48.9	146.6

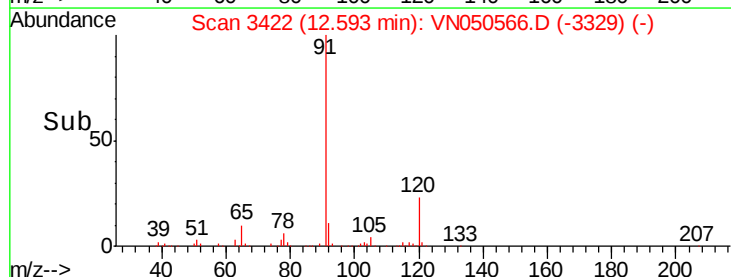
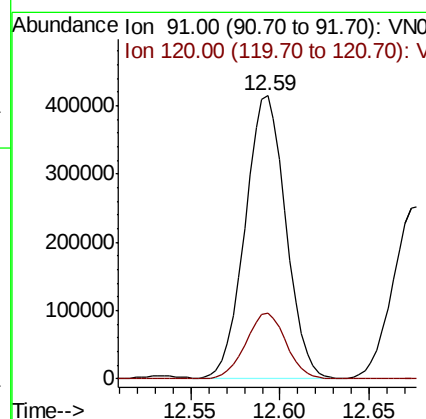
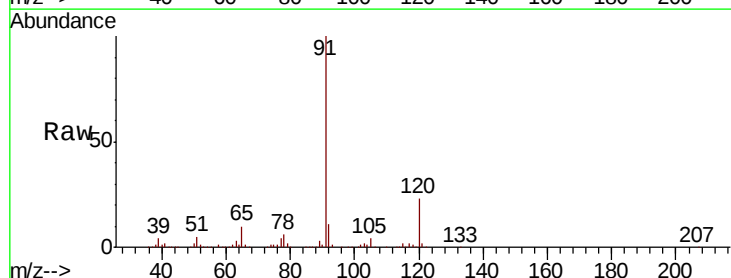
Manual Integrations
APPROVED

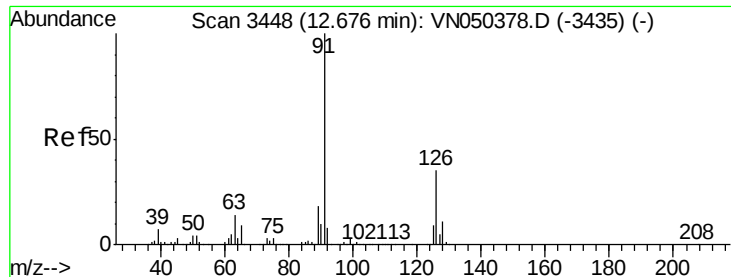
MMDadoda
8/14/2018 12:51:01 PM



#78
n-propylbenzene
Concen: 18.86 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.6	34.7





#79

2-Chlorotoluene

Concen: 19.72 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

ClientSampled :

VN0813WBSD01

Tot Ion: 91 Resp: 424185

Ion Ratio Lower Upper

91 100

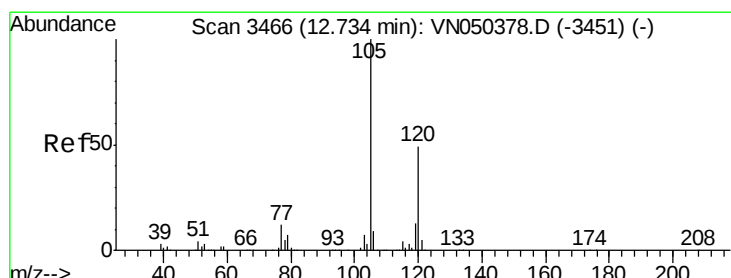
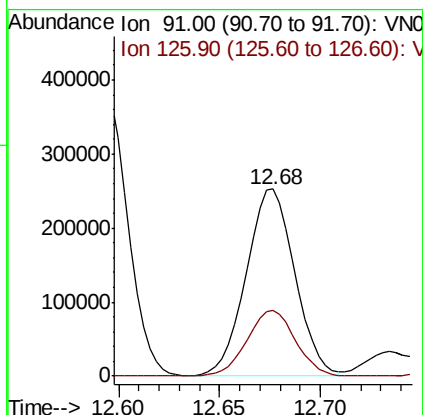
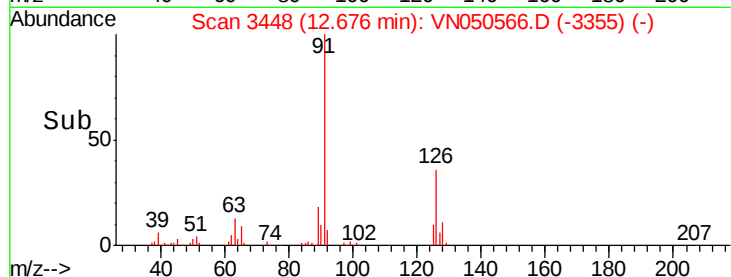
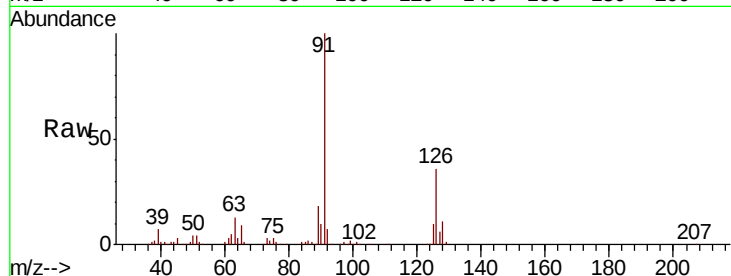
126 35.4 17.6 52.8

Manual Integrations

APPROVED

MMDadoda

8/14/2018 12:51:01 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.60 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050566.D

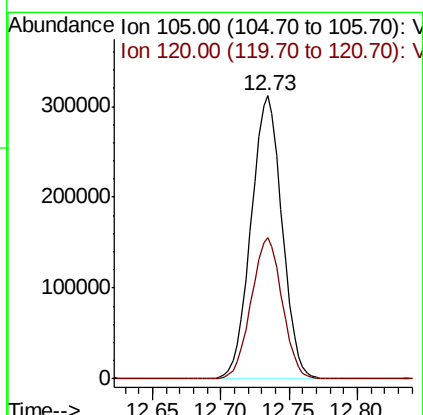
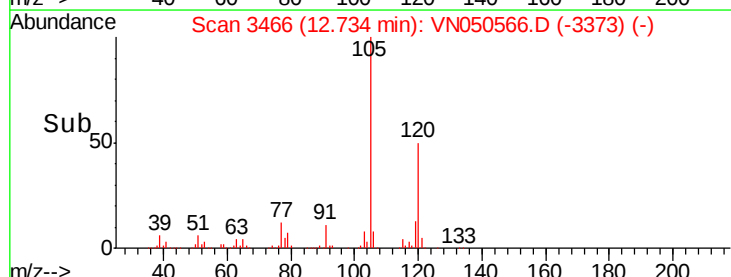
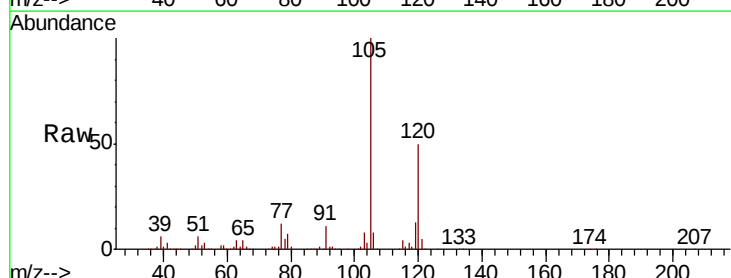
Acq: 13 Aug 2018 14:19

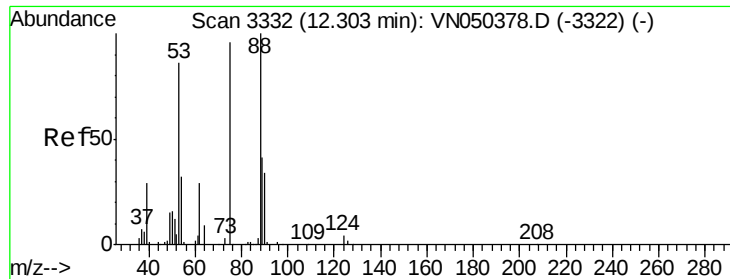
Tgt Ion: 105 Resp: 489714

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.2





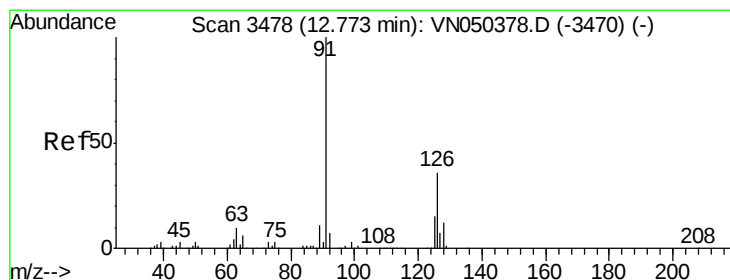
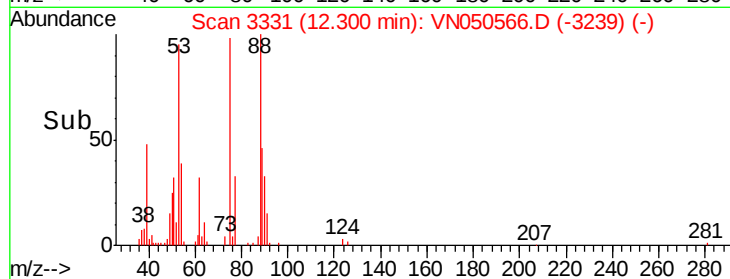
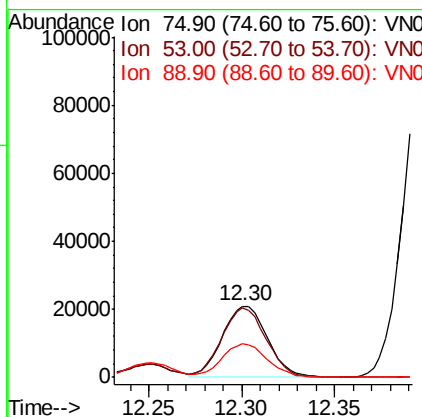
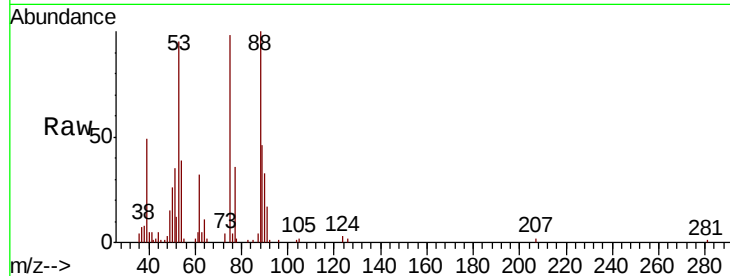
#81
trans-1,4-Dichloro-2-butene
Concen: 16.84 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.2	73.5	110.3
89	46.7	36.0	54.0

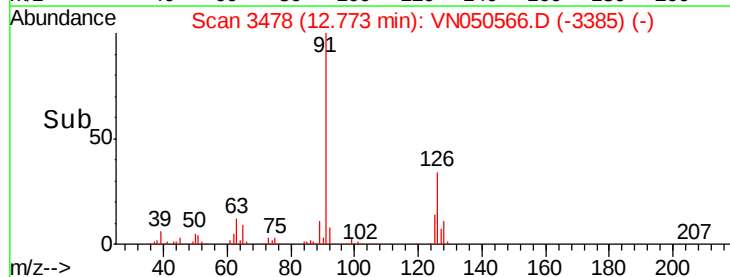
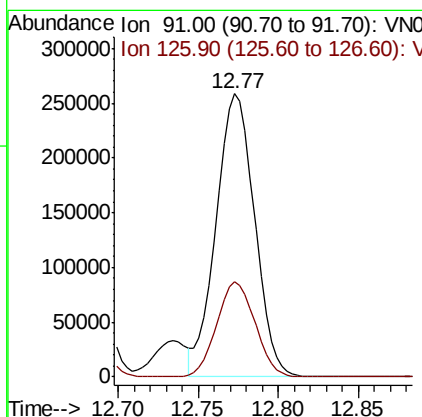
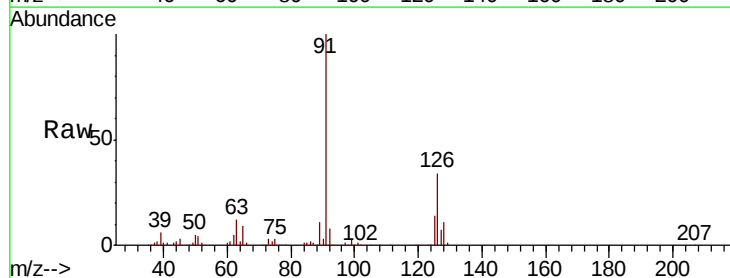
Manual Integrations
APPROVED

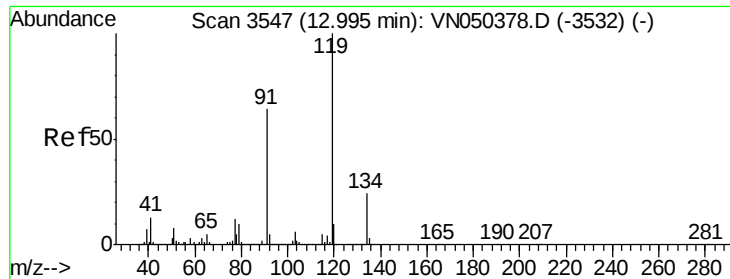
MMDadoda
8/14/2018 12:51:01 PM



#82
4-Chlorotoluene
Concen: 19.92 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	17.0	51.0





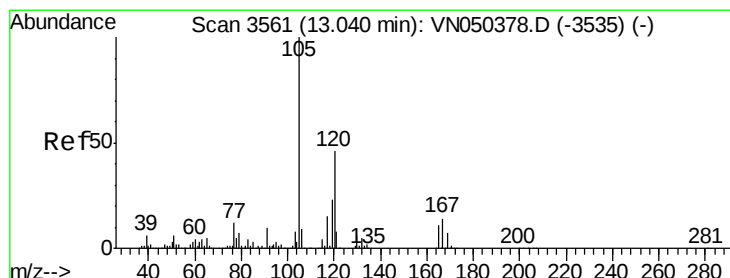
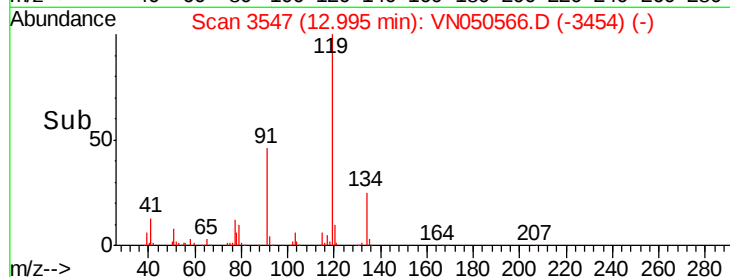
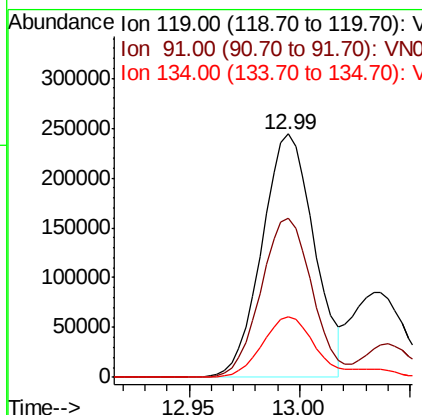
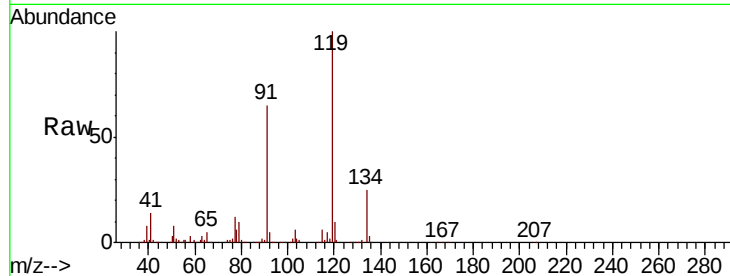
#83
tert-Butylbenzene
Concen: 18.33 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.1	96.3
134	27.8	13.2	39.5

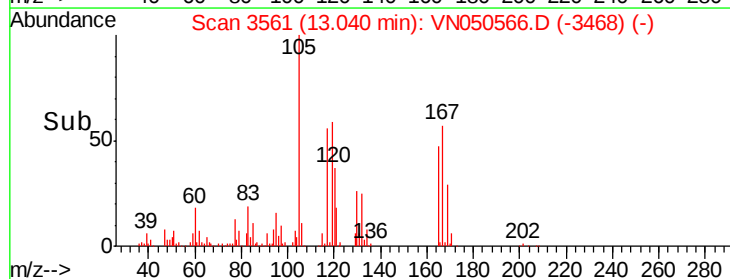
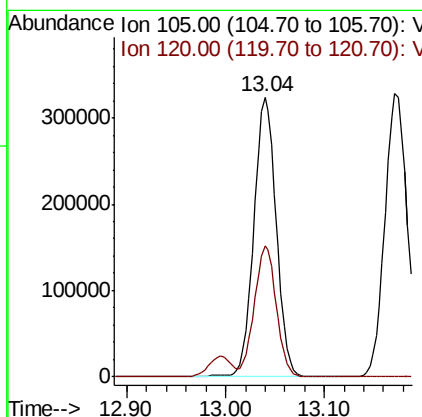
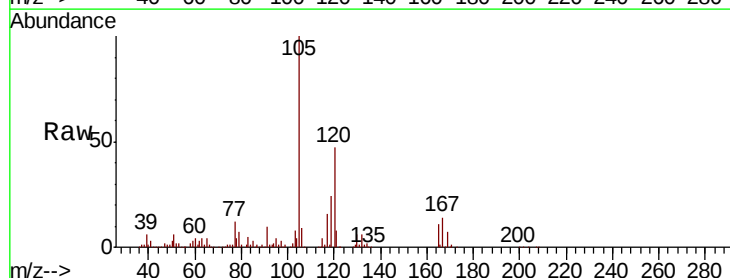
Manual Integrations
APPROVED

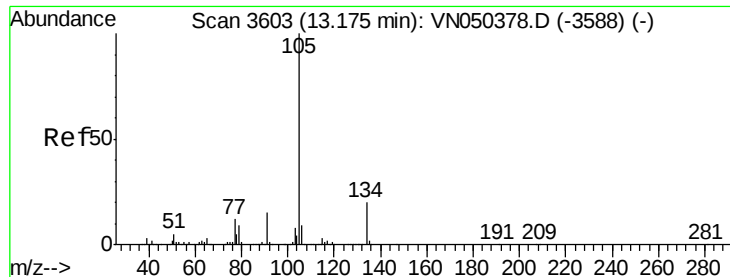
MMDadoda
8/14/2018 12:51:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.97 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 17.81 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

ClientSampled :

VN0813WBSD01

Tot Ion:105 Resp: 517443

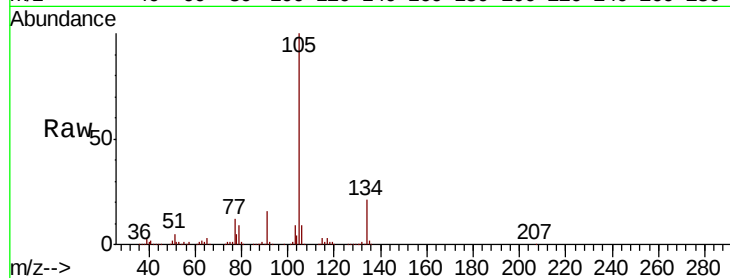
Ion Ratio Lower Upper

105 100

134 20.7 10.1 30.1

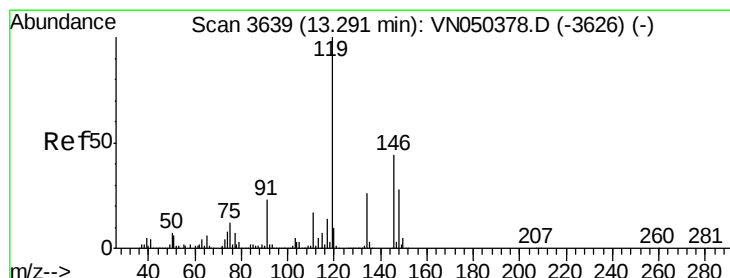
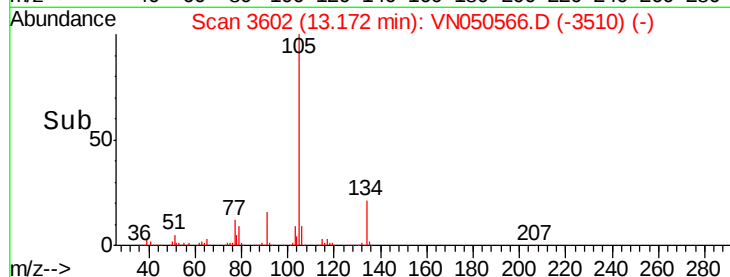
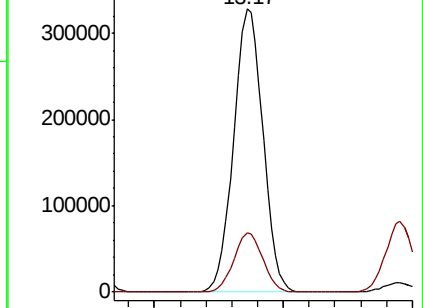
Manual Integrations
APPROVED

MMDadoda
8/14/2018 12:51:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.22 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

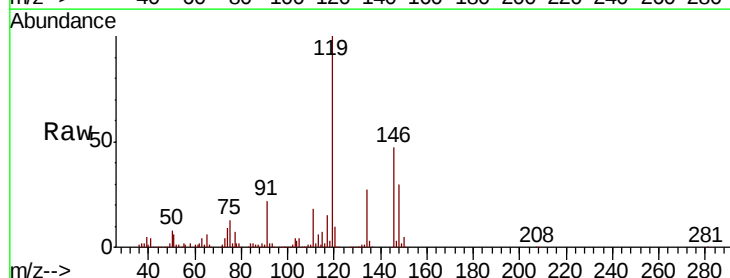
Tgt Ion:119 Resp: 453470

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

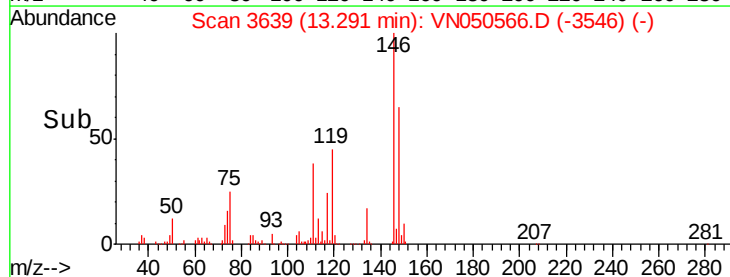
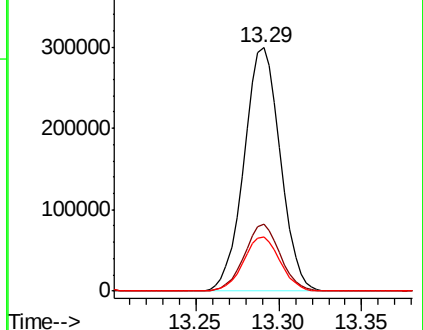
91 22.4 11.4 34.2

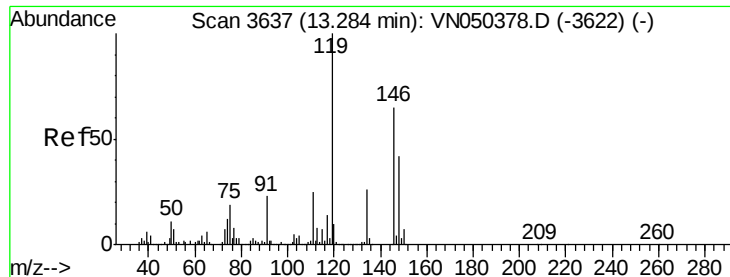


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





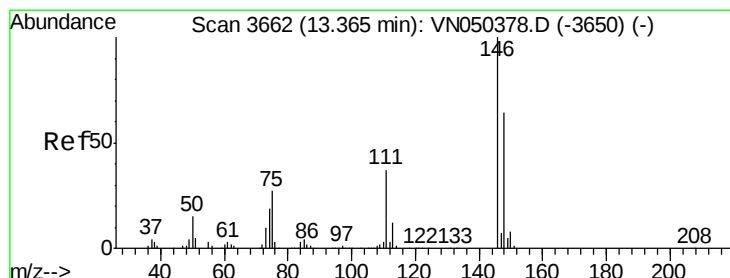
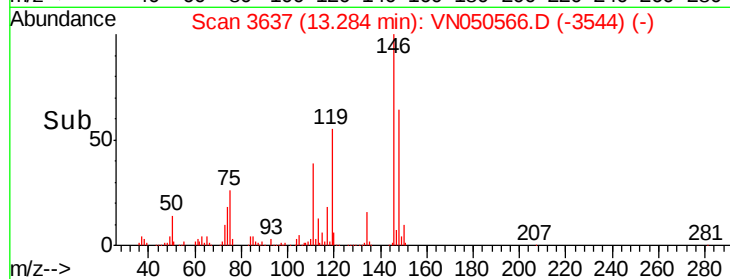
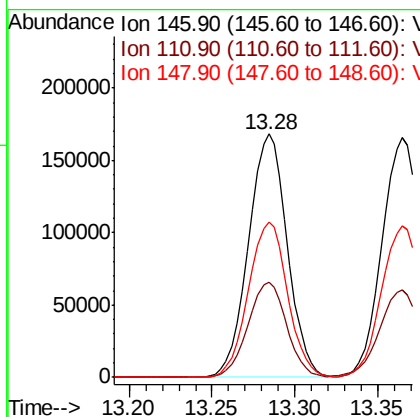
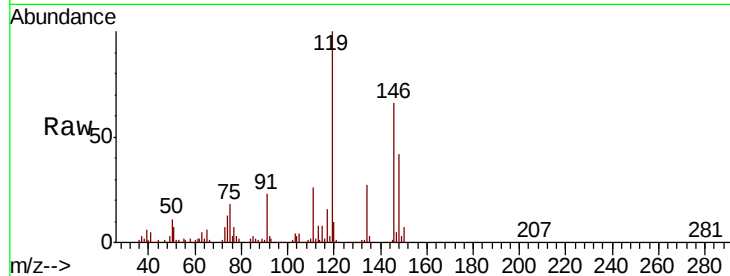
#87
 1,3-Dichlorobenzene
 Concen: 18.68 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	274298		
111	38.9	18.8	56.4	
148	64.5	31.9	95.9	

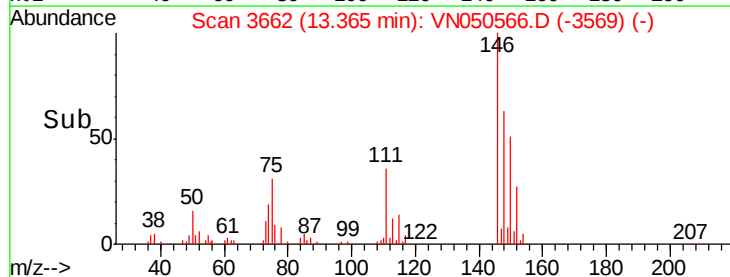
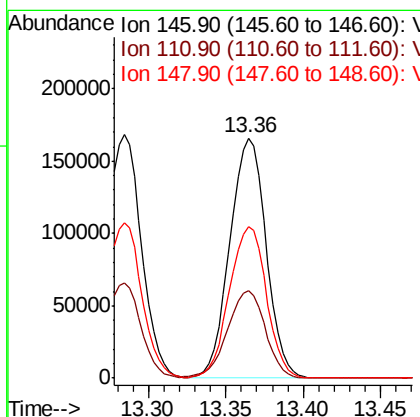
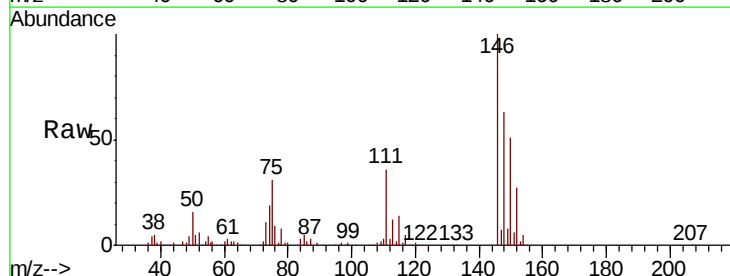
Manual Integrations
 APPROVED

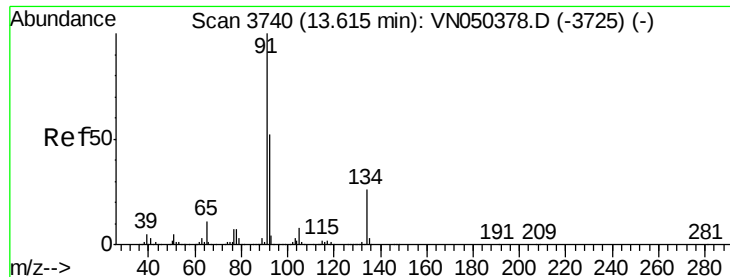
MMDadoda
 8/14/2018 12:51:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.43 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	270191		
111	37.9	18.3	54.9	
148	64.6	31.9	95.9	





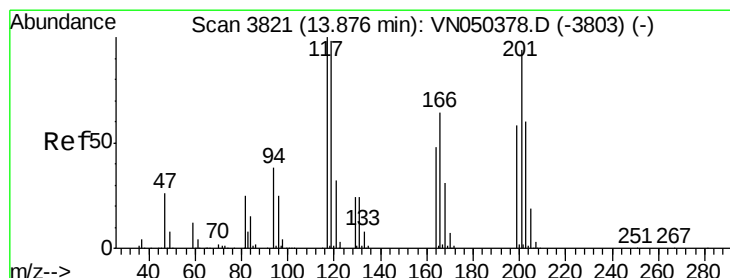
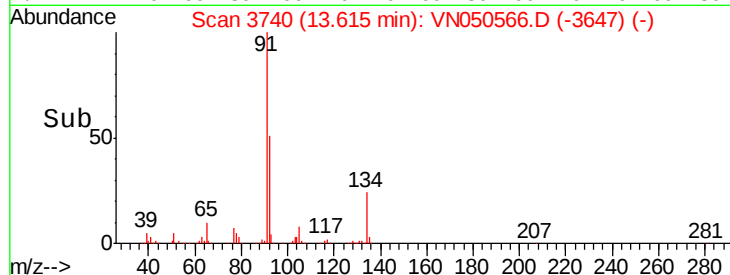
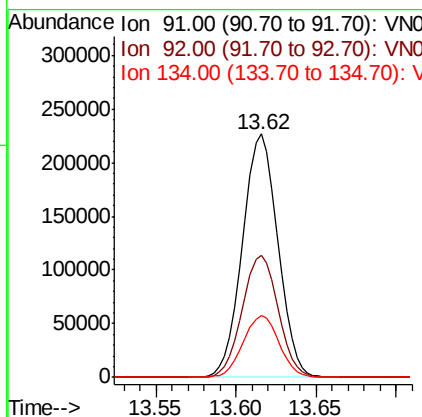
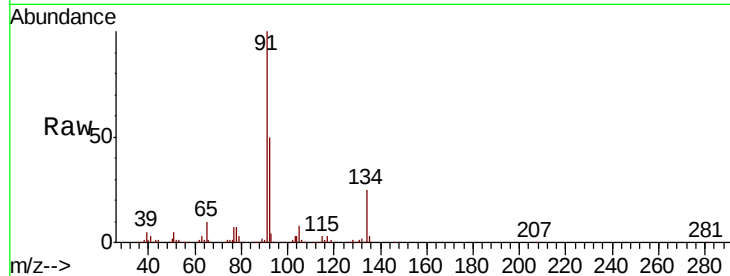
#89
n-Butylbenzene
Concen: 16.13 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.8	77.4
134	25.7	12.8	38.4

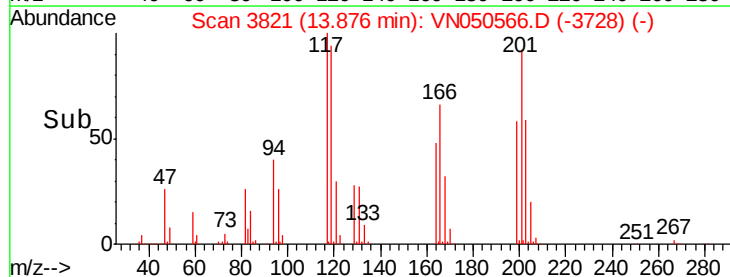
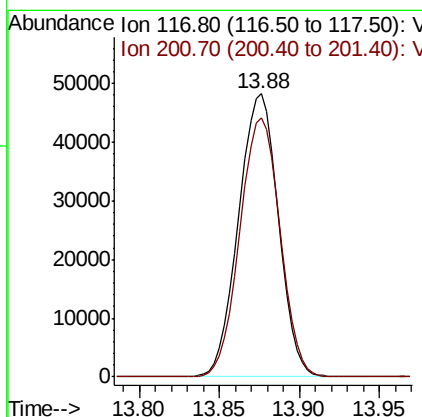
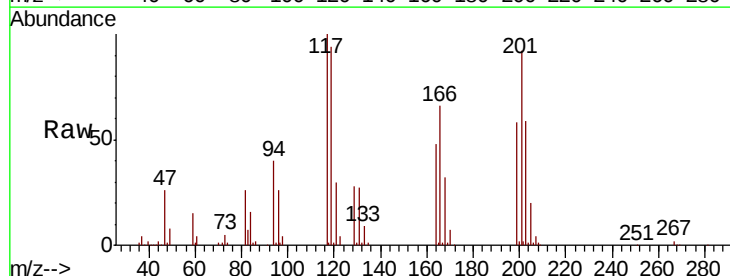
Manual Integrations
APPROVED

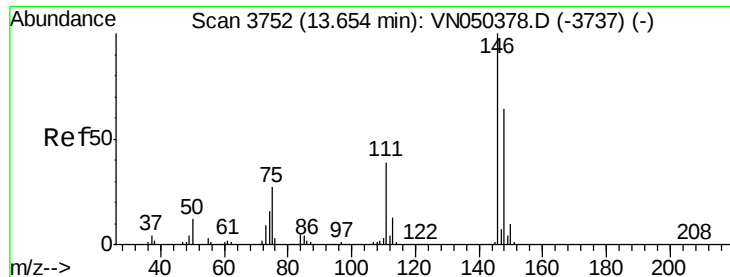
MMDadoda
8/14/2018 12:51:01 PM



#90
Hexachloroethane
Concen: 18.53 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050566.D
Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.3	45.6	136.8





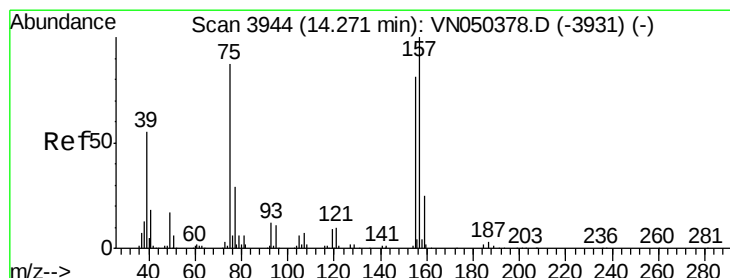
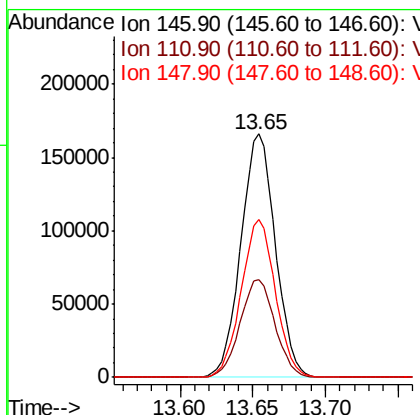
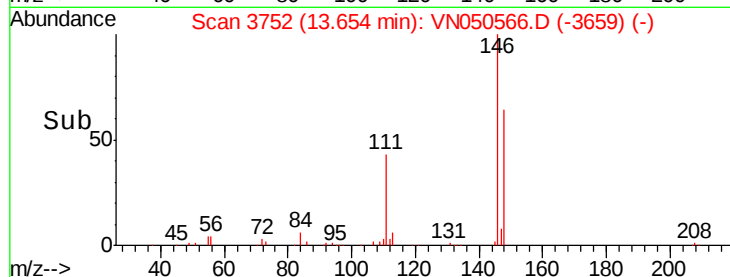
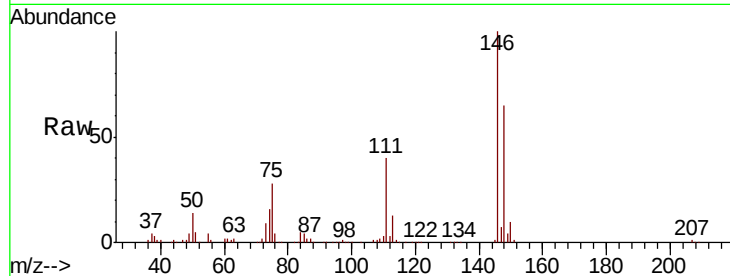
#91
 1,2-Dichlorobenzene
 Concen: 18.67 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.7
148	64.2	32.1	96.3

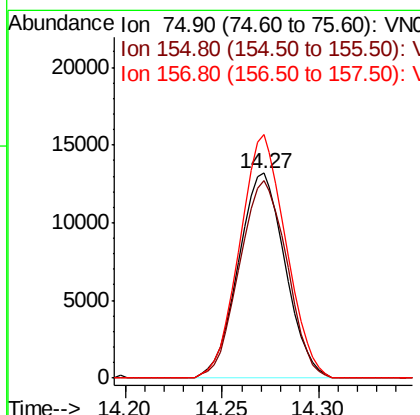
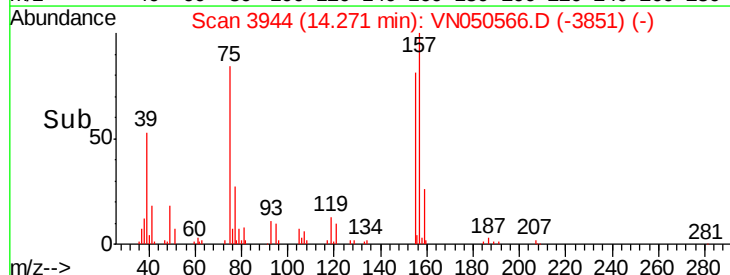
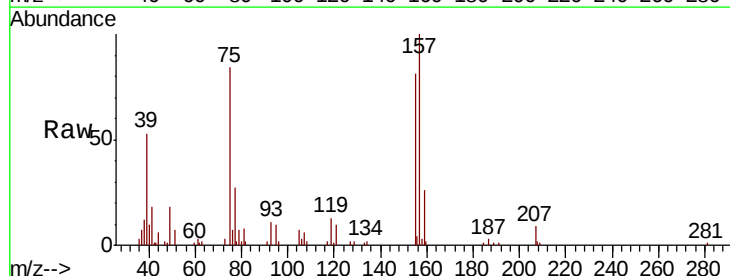
Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 12:51:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.75 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	44.8	134.4
157	117.3	57.2	171.6





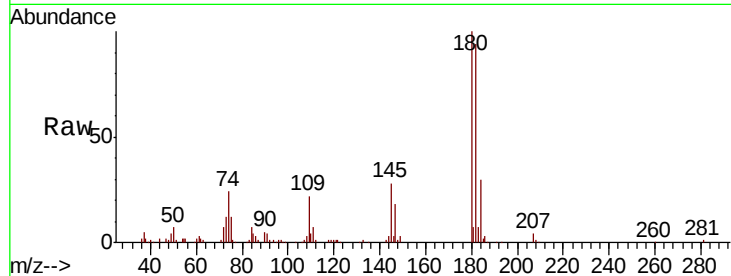
#93
 1,2,4-Trichlorobenzene
 Concen: 16.24 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121735		
182	94.5	46.7	140.1	
145	28.6	13.8	41.4	

Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 12:51:01 PM

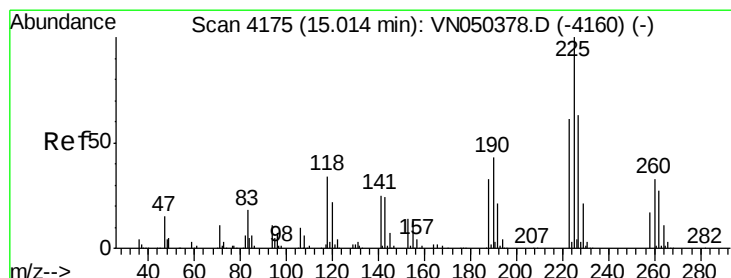
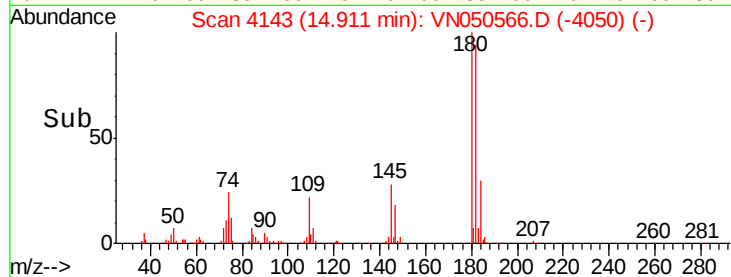
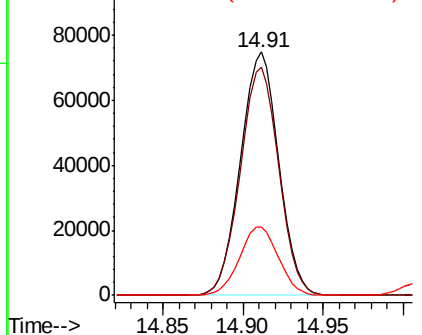


Abundance

Ion 179.80 (179.50 to 180.50): V

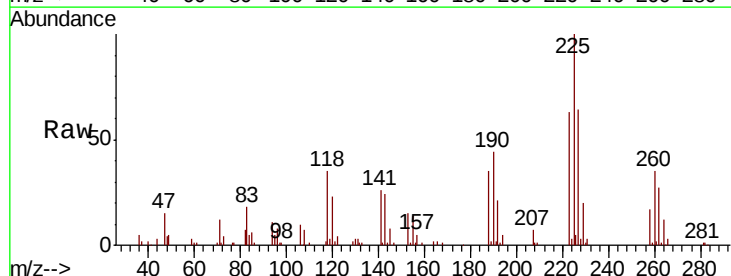
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 17.21 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050566.D
 Acq: 13 Aug 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74904		
223	63.7	31.4	94.2	
227	62.7	32.1	96.5	

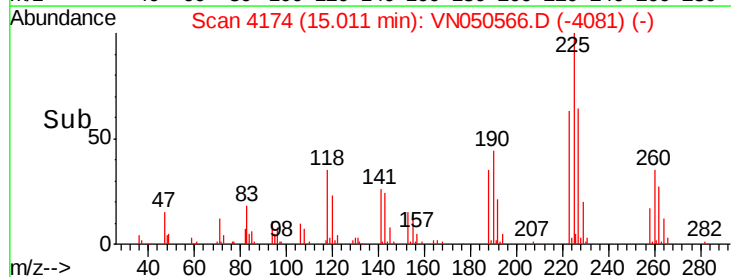
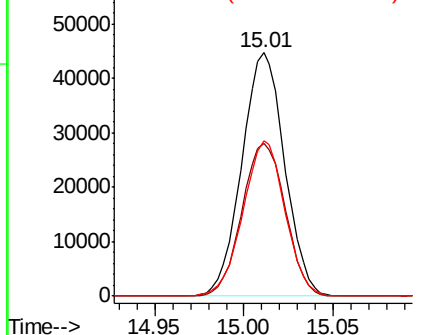


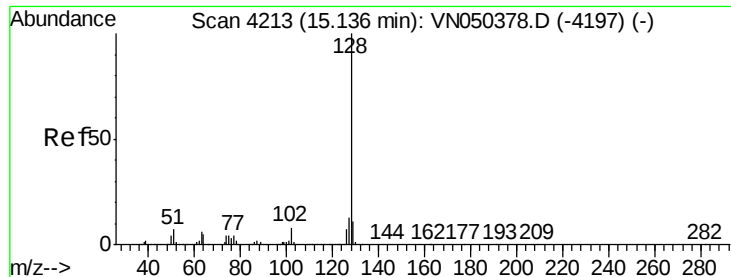
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.03 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Instrument :

MSVOA_N

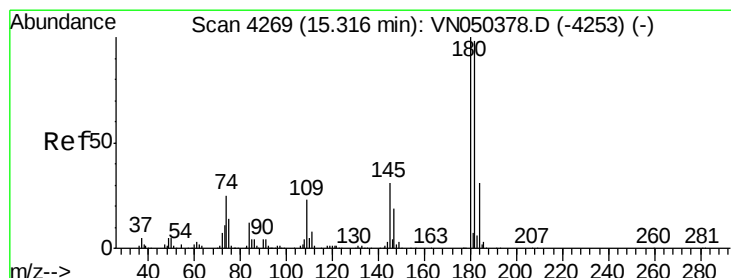
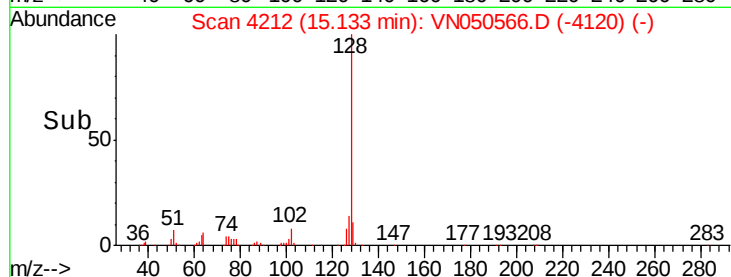
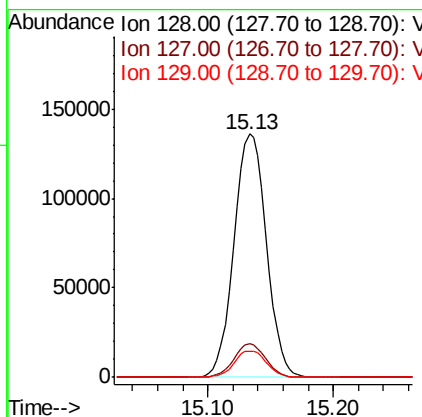
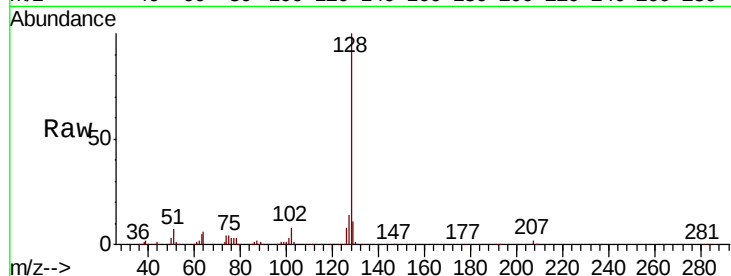
ClientSampleId :

VN0813WBSD01

Tot Ion:	128	Resp:	244220
Ion Ratio		Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/14/2018 12:51:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 15.71 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050566.D

Acq: 13 Aug 2018 14:19

Tgt Ion:	180	Resp:	119049
Ion Ratio		Lower	Upper
180	100		
182	97.1	48.1	144.4
145	30.6	15.3	45.9

