

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050383.D
 Acq On : 6 Aug 2018 15:01
 Operator : MD\SY
 Sample : VN0806WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:58:52 AM

Quant Time: Aug 07 06:01:46 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	670231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	986130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	907121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	469271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	444089	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	7.59	113	392707	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.09	98	1476690	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	488790	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	154517	20.77	ug/l	99
3) Chloromethane	2.06	50	188551	20.59	ug/l	99
4) Vinyl Chloride	2.18	62	198070	20.57	ug/l	99
5) Bromomethane	2.56	94	92826	19.98	ug/l	99
6) Chloroethane	2.70	64	119961	20.22	ug/l	98
7) Trichlorofluoromethane	3.01	101	254835	20.49	ug/l	98
8) Diethyl Ether	3.41	74	93337	20.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	157370	20.47	ug/l	99
10) Methyl Iodide	3.95	142	75762	22.37	ug/l	99
11) Tert butyl alcohol	4.80	59	75381	104.79	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	148493	20.49	ug/l	98
13) Acrolein	3.61	56	93597	109.02	ug/l	97
14) Allyl chloride	4.32	41	232786	20.01	ug/l	98
15) Acrylonitrile	4.99	53	307107	101.92	ug/l	99
16) Acetone	3.82	43	275368	102.90	ug/l	99
17) Carbon Disulfide	4.05	76	441214	18.73	ug/l	100
18) Methyl Acetate	4.33	43	145685	20.88	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	428121	20.82	ug/l	99
20) Methylene Chloride	4.55	84	175373	20.56	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	155487	19.83	ug/l	98
22) Diisopropyl ether	5.96	45	502265	21.13	ug/l	99
23) Vinyl Acetate	5.90	43	1773994	104.60	ug/l	99
24) 1,1-Dichloroethane	5.85	63	296572	20.33	ug/l	99
25) 2-Butanone	6.84	43	457084	103.01	ug/l	100
26) 2,2-Dichloropropane	6.83	77	242226	20.14	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	179114	20.61	ug/l	99
28) Bromochloromethane	7.20	49	134863	20.09	ug/l	99
29) Tetrahydrofuran	7.22	42	247337	104.14	ug/l	99
30) Chloroform	7.37	83	298734	20.49	ug/l	97
31) Cyclohexane	7.66	56	266084	20.35	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	256347	20.47	ug/l	99
36) 1,1-Dichloropropene	7.79	75	222088	20.50	ug/l	99
37) Ethyl Acetate	6.93	43	167346	21.45	ug/l	99
38) Carbon Tetrachloride	7.77	117	225377	19.94	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050383.D
 Acq On : 6 Aug 2018 15:01
 Operator : MD\SY
 Sample : VN0806WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0806WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:58:52 AM

Quant Time: Aug 07 06:01:46 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	243534	20.59	ug/l	97
40) Benzene	8.04	78	685476	20.58	ug/l	99
41) Methacrylonitrile	7.18	41	67246	16.21	ug/l	98
42) 1,2-Dichloroethane	8.13	62	219027	20.71	ug/l	100
43) Isopropyl Acetate	8.17	43	279276	20.73	ug/l	98
44) Trichloroethene	8.84	130	177447	19.82	ug/l	99
45) 1,2-Dichloropropane	9.12	63	177353	20.25	ug/l	96
46) Dibromomethane	9.21	93	109720	20.29	ug/l	97
47) Bromodichloromethane	9.40	83	224293	20.02	ug/l	100
48) Methyl methacrylate	9.20	41	140033	20.74	ug/l	99
49) 1,4-Dioxane	9.20	88	41336	397.22	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1030103	106.19	ug/l	99
52) Toluene	10.16	92	416985	20.84	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	227919	20.26	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	260286	20.74	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	160826	20.59	ug/l	99
56) Ethyl methacrylate	10.43	69	205549	19.67	ug/l	99
57) 1,3-Dichloropropane	10.71	76	265090	20.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	474700	96.80	ug/l	100
59) 2-Hexanone	10.75	43	705126	104.15	ug/l	99
60) Dibromochloromethane	10.90	129	175993	20.45	ug/l	100
61) 1,2-Dibromoethane	11.01	107	160972	20.91	ug/l	100
64) Tetrachloroethene	10.63	164	172191	20.32	ug/l	100
65) Chlorobenzene	11.44	112	454504	19.99	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	168482	20.36	ug/l	100
67) Ethyl Benzene	11.51	91	758272	20.63	ug/l	100
68) m/p-Xylenes	11.62	106	591811	42.29	ug/l	100
69) o-Xylene	11.95	106	280608	20.82	ug/l	99
70) Styrene	11.97	104	457508	20.87	ug/l	99
71) Bromoform	12.13	173	124077	20.51	ug/l #	99
73) Isopropylbenzene	12.25	105	745165	21.15	ug/l	100
74) N-amyl acetate	12.07	43	236370	20.70	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	208687	20.53	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	178020m	20.96	ug/l	
77) Bromobenzene	12.53	156	196145	20.78	ug/l	99
78) n-propylbenzene	12.59	91	852805	21.39	ug/l	99
79) 2-Chlorotoluene	12.68	91	518052	21.04	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	620388	21.70	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51462	21.29	ug/l	97
82) 4-Chlorotoluene	12.78	91	515043	20.97	ug/l	99
83) tert-Butylbenzene	12.99	119	525198	21.05	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	632037	21.82	ug/l	100
85) sec-Butylbenzene	13.17	105	697908	20.99	ug/l	100
86) p-Isopropyltoluene	13.29	119	604304	21.21	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	341951	20.34	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	330802	19.71	ug/l	98
89) n-Butylbenzene	13.62	91	477204	19.67	ug/l	100
90) Hexachloroethane	13.88	117	101726	20.08	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	339535	20.15	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33257	19.27	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
Data File : VN050383.D
Acq On : 6 Aug 2018 15:01
Operator : MD\SY
Sample : VN0806WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

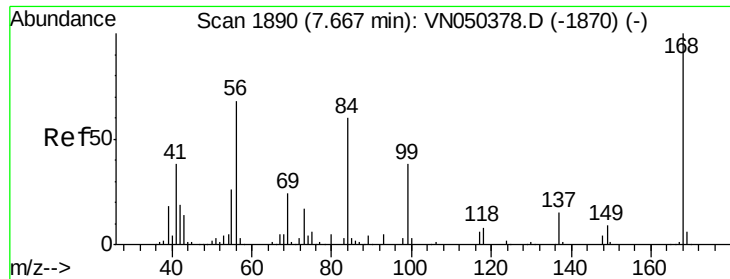
Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM

Quant Time: Aug 07 06:01:46 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	168242	19.60	ug/l	99
94) Hexachlorobutadiene	15.01	225	100176	20.40	ug/l	100
95) Naphthalene	15.14	128	383155	19.26	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	167141	19.26	ug/l	98

(#) = 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: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

Tot Ion:168 Resp: 670231

Ion Ratio Lower Upper

168 100

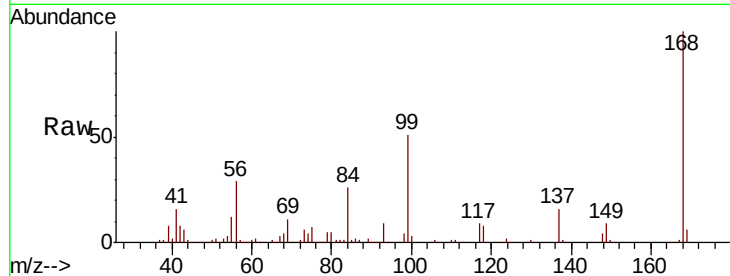
99 51.1 40.0 60.0

Manual Integrations

APPROVED

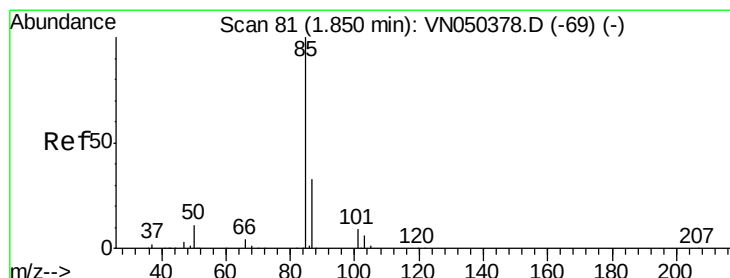
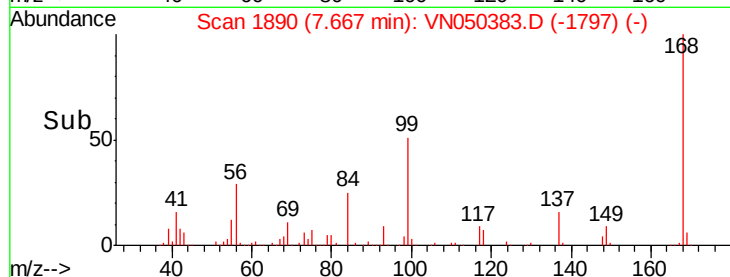
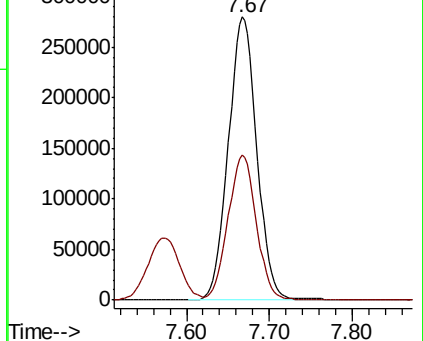
MMDadoda

8/7/2018 9:58:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.77 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050383.D

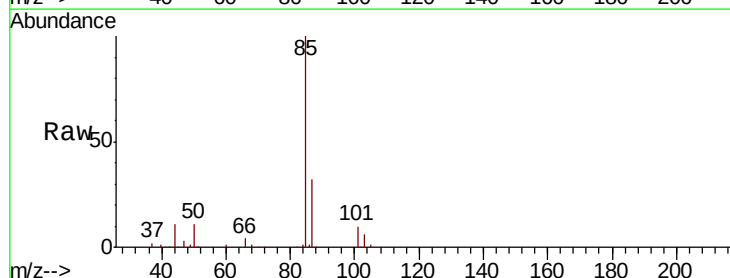
Acq: 6 Aug 2018 15:01

Tgt Ion: 85 Resp: 154517

Ion Ratio Lower Upper

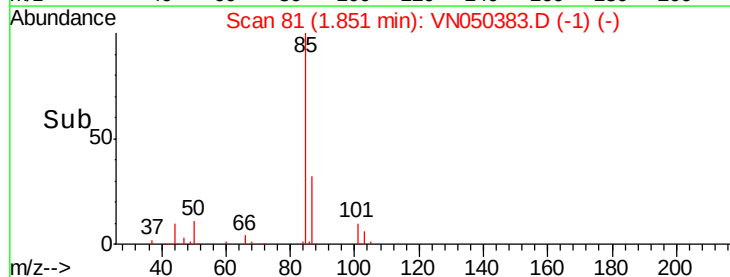
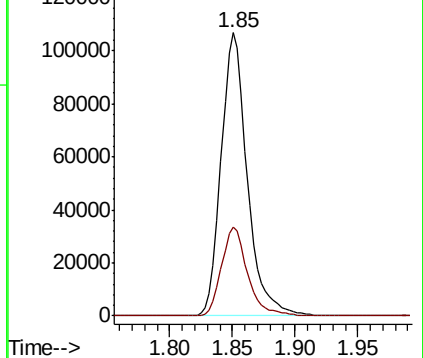
85 100

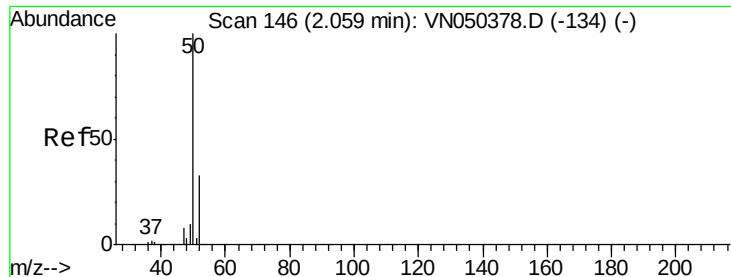
87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.59 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

Tot Ion: 50 Resp: 188551

Ion Ratio Lower Upper

50 100

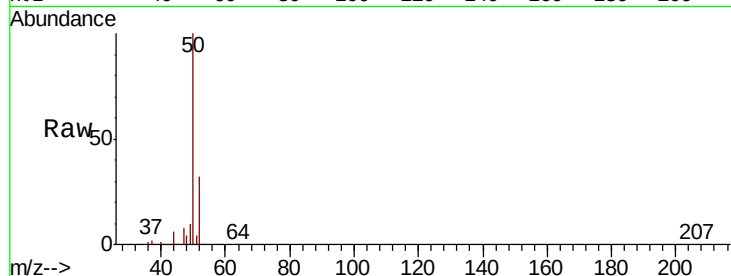
52 31.9 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/7/2018 9:58:52 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

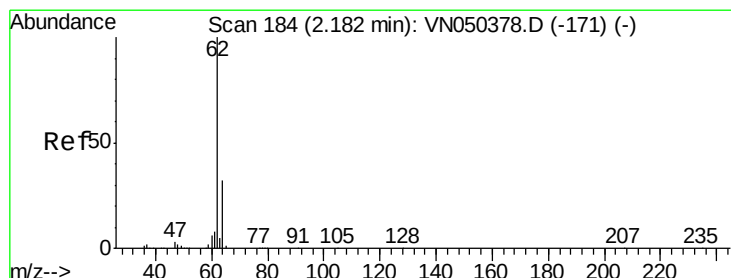
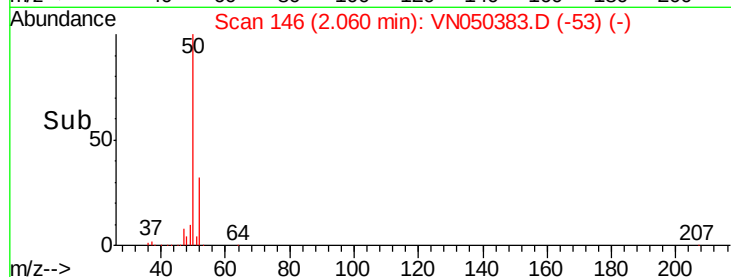
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 20.57 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050383.D

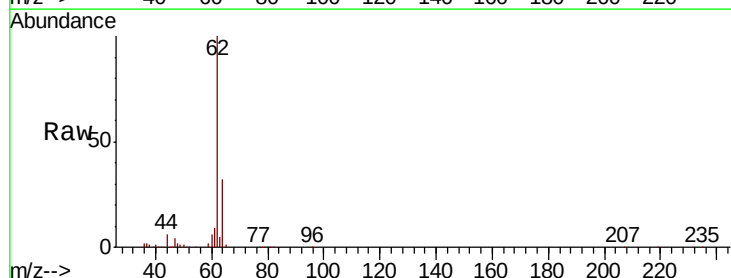
Acq: 6 Aug 2018 15:01

Tgt Ion: 62 Resp: 198070

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

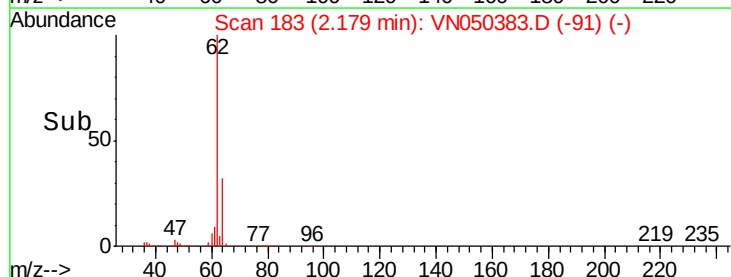
150000

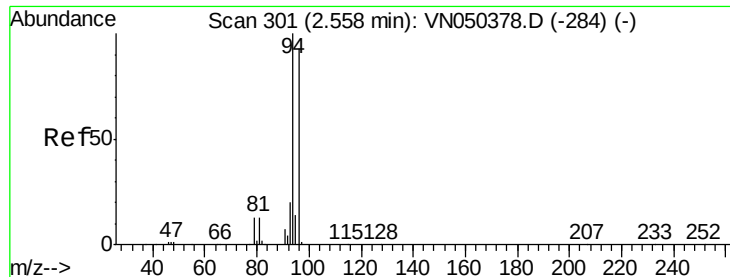
100000

50000

0

Time-->





#5

Bromomethane

Concen: 19.98 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

Tot Ion: 94 Resp: 92826

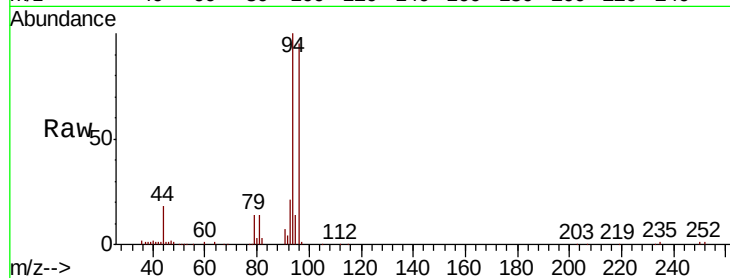
Ion Ratio Lower Upper

94 100

96 94.7 74.6 112.0

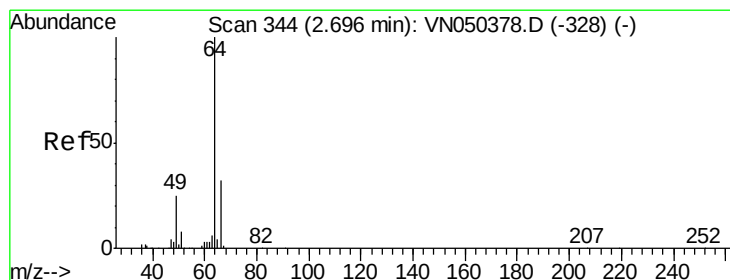
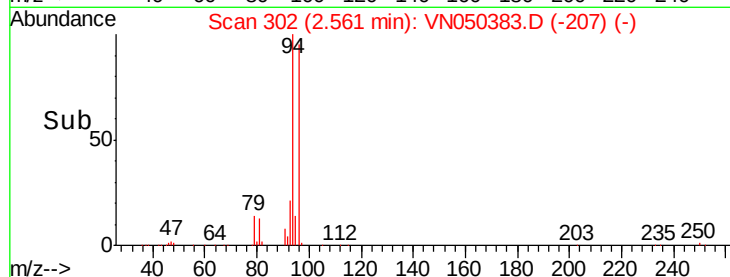
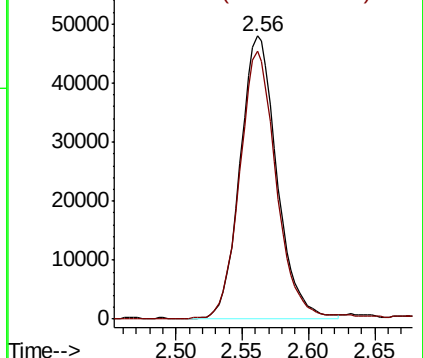
Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.22 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050383.D

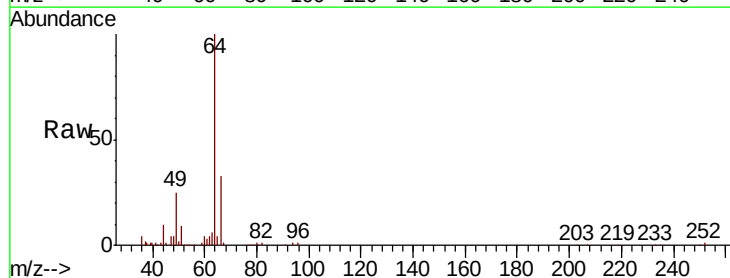
Acq: 6 Aug 2018 15:01

Tgt Ion: 64 Resp: 119961

Ion Ratio Lower Upper

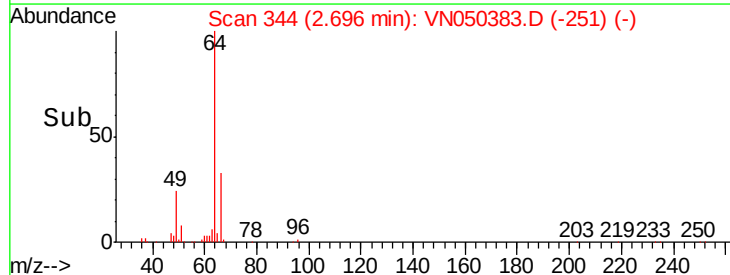
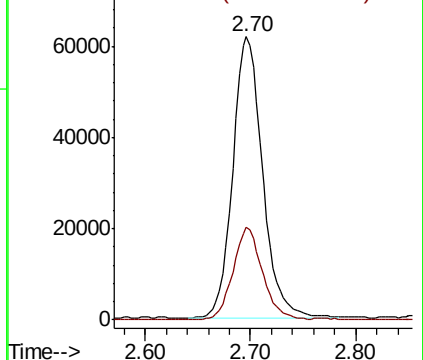
64 100

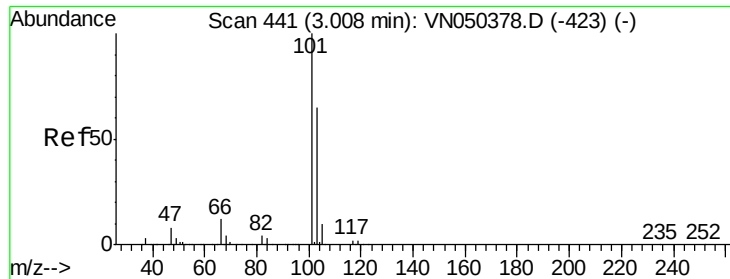
66 32.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

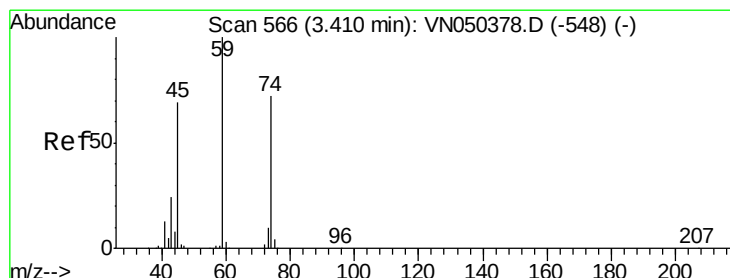
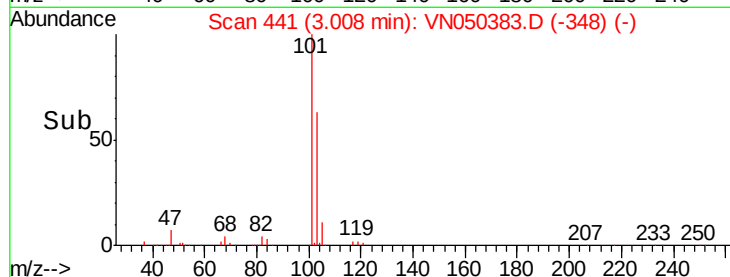
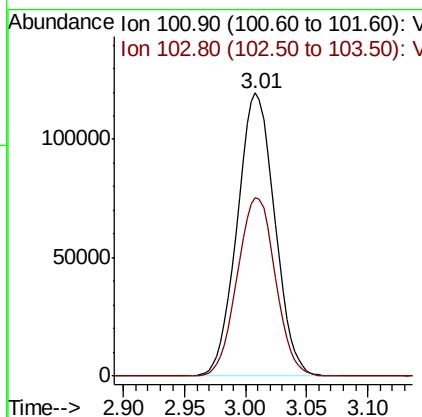
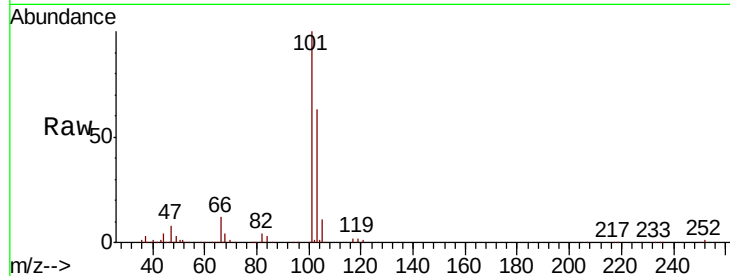
Trichlorofluoromethane
 Concen: 20.49 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.7	77.5

Manual Integrations
 APPROVED

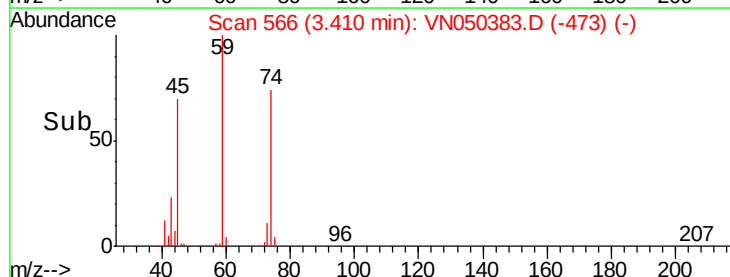
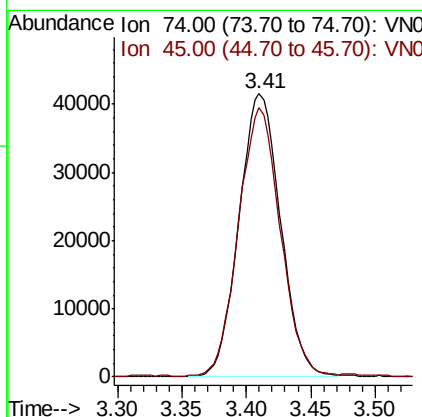
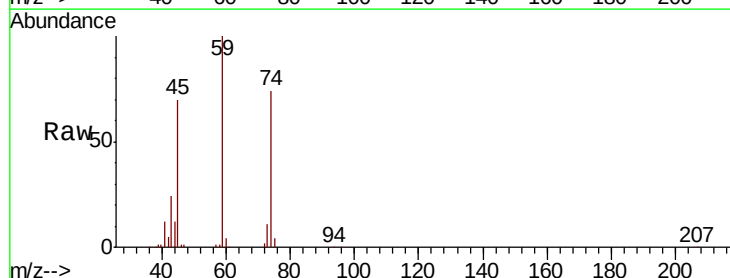
MMDadoda
 8/7/2018 9:58:52 AM

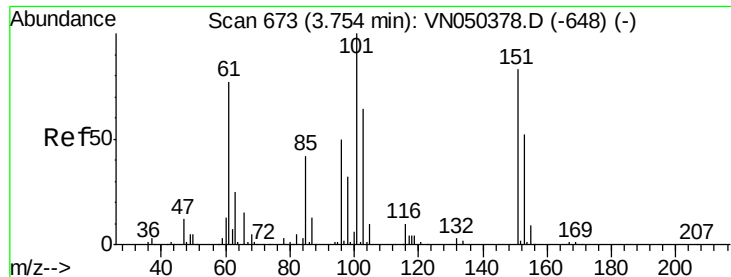


#8

Diethyl Ether
 Concen: 20.46 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.47 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

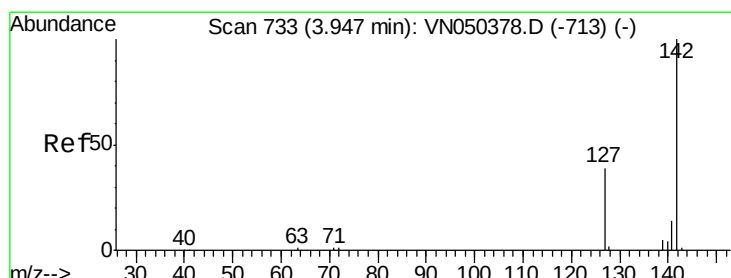
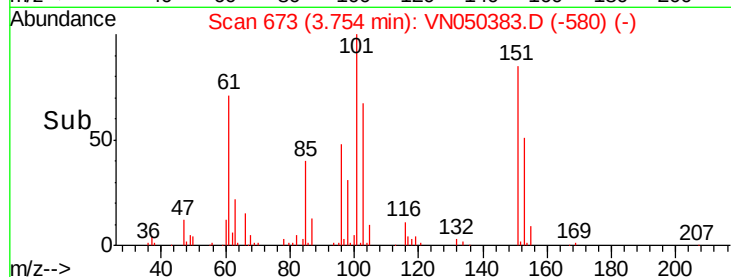
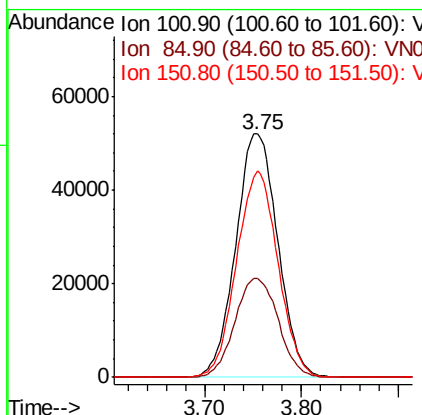
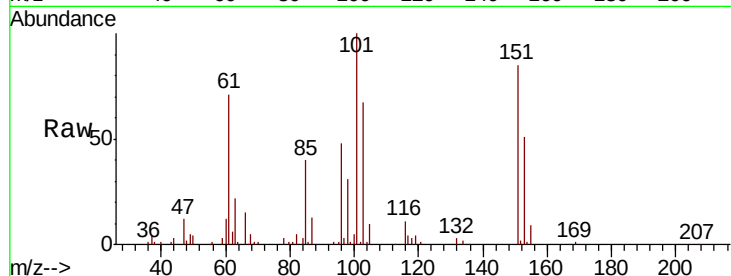
ClientSampleId :

VN0806WBS01

Tot Ion:	101	Resp:	157370
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.2	51.2
151	83.2	66.3	99.5

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



#10

Methyl Iodide

Concen: 22.37 ug/l

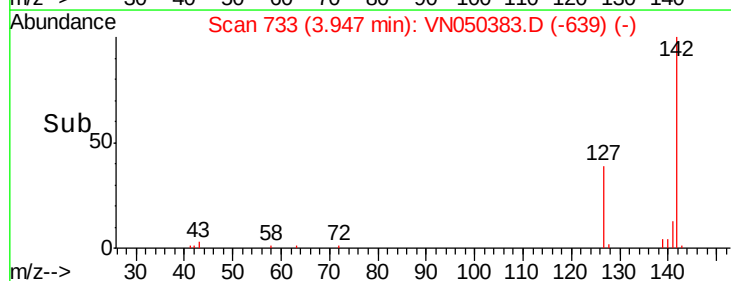
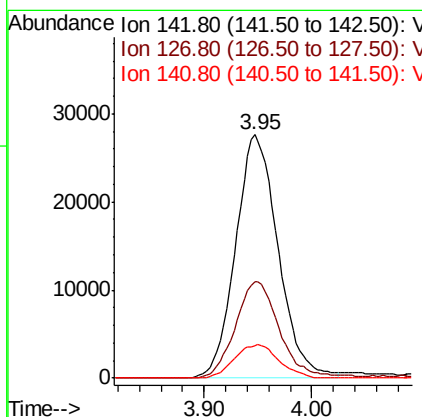
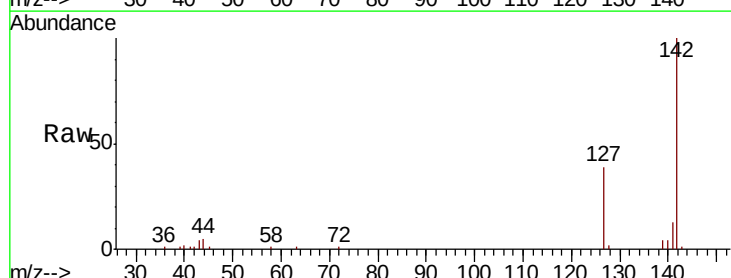
RT: 3.95 min Scan# 733

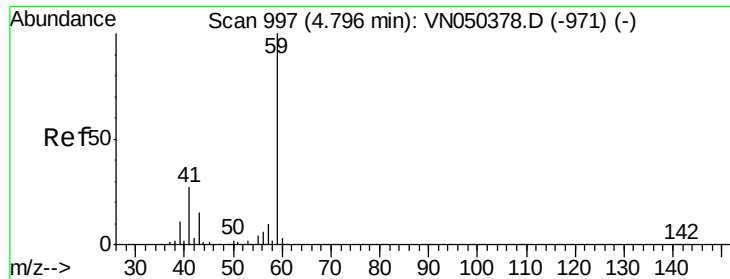
Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Tgt Ion:	142	Resp:	75762
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.4	50.2
141	14.3	11.6	17.4





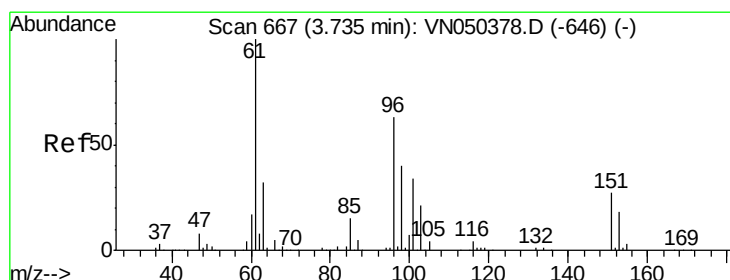
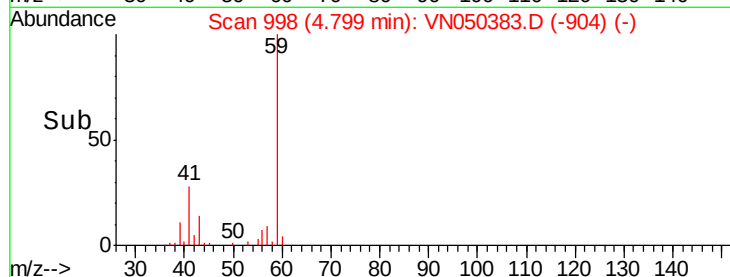
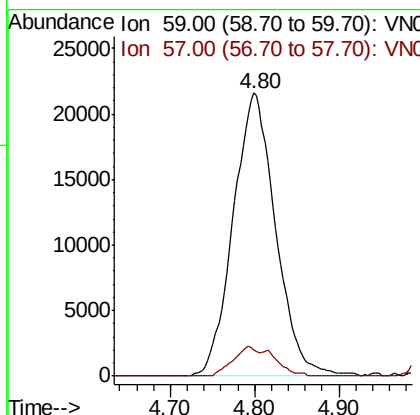
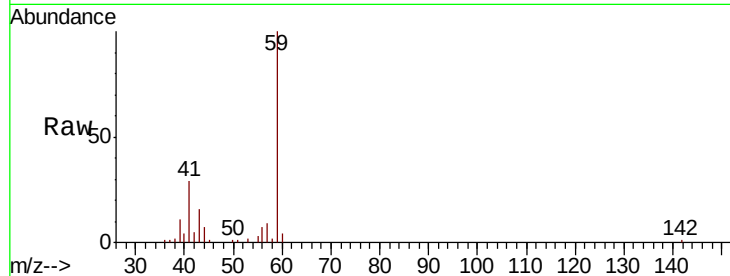
#11
Tert butyl alcohol
Concen: 104.79 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.1	8.5	12.7#

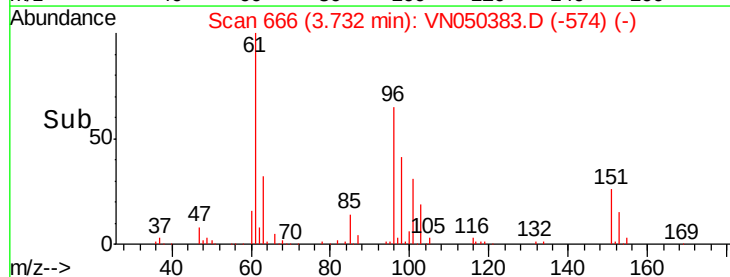
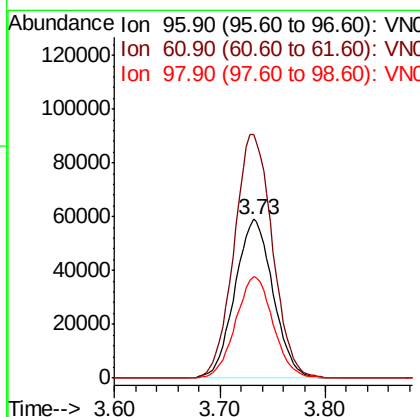
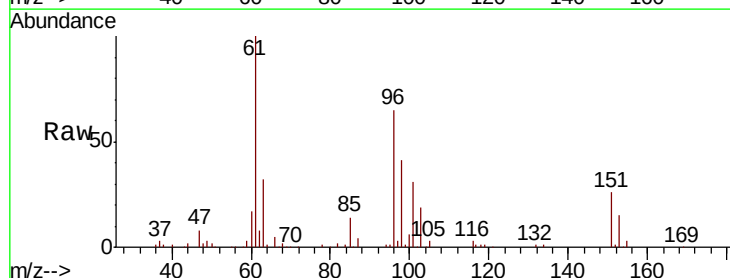
Manual Integrations
APPROVED

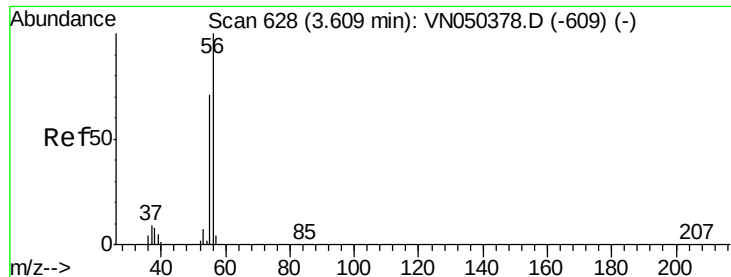
MMDadoda
8/7/2018 9:58:52 AM



#12
1,1-Dichloroethene
Concen: 20.49 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	124.4	186.6
98	63.6	48.3	72.5





#13

Acrolein

Concen: 109.02 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

Tot Ion: 56 Resp: 93597

Ion Ratio Lower Upper

56 100

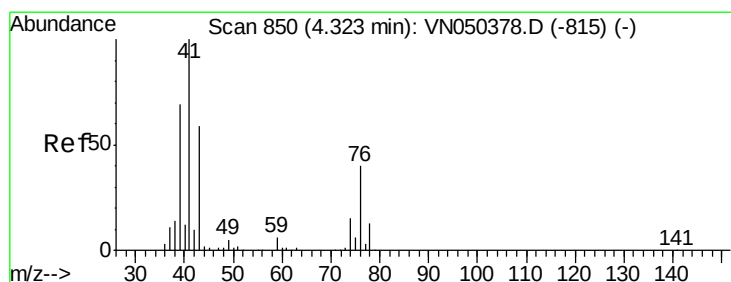
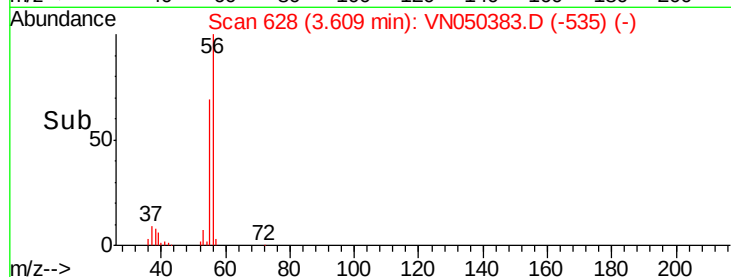
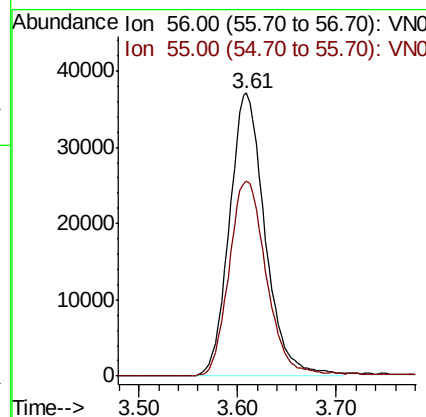
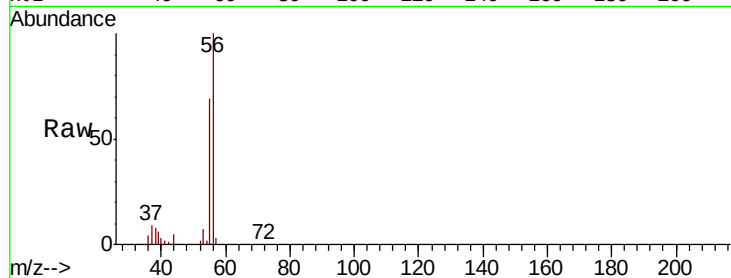
55 71.9 55.8 83.6

Manual Integrations

APPROVED

MMDadoda

8/7/2018 9:58:52 AM



#14

Allyl chloride

Concen: 20.01 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

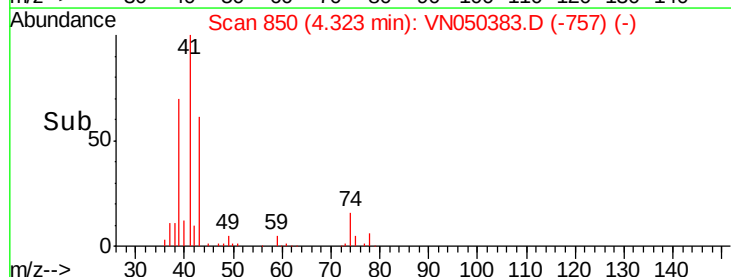
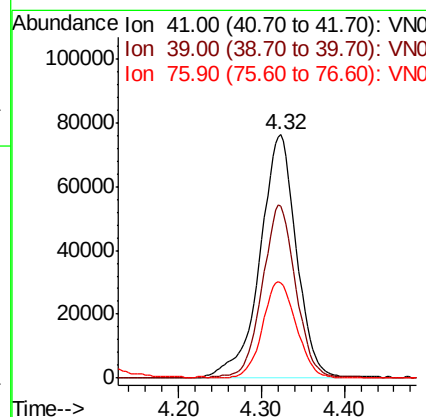
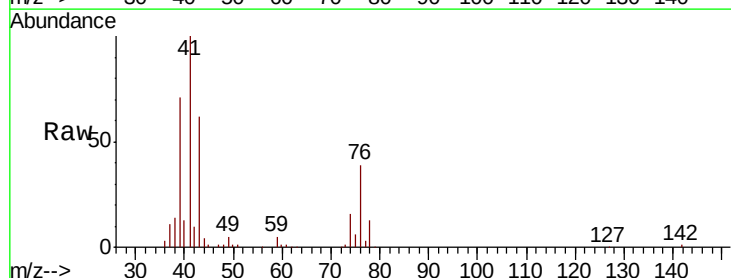
Tgt Ion: 41 Resp: 232786

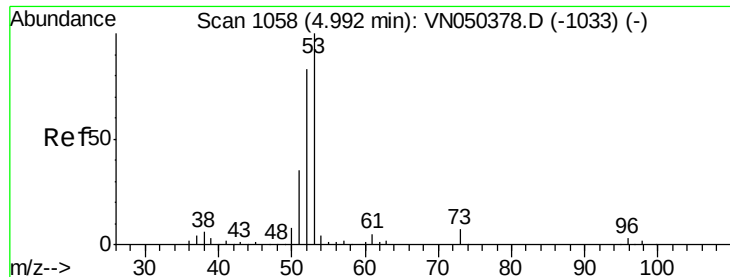
Ion Ratio Lower Upper

41 100

39 65.8 54.2 81.4

76 36.8 29.0 43.6





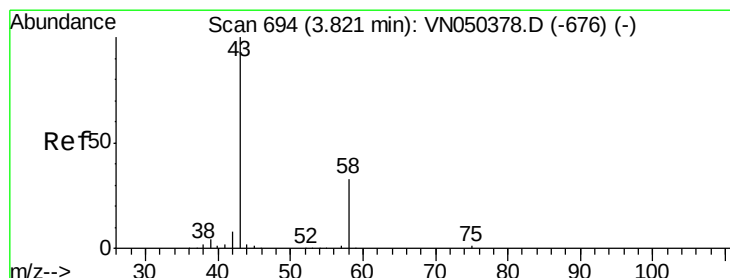
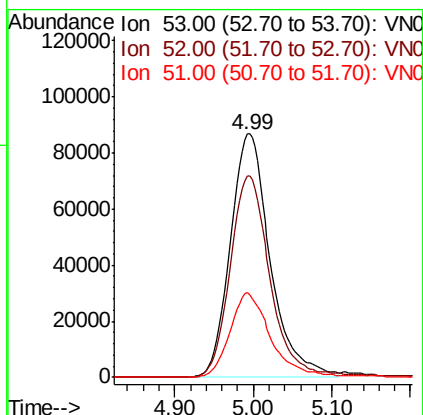
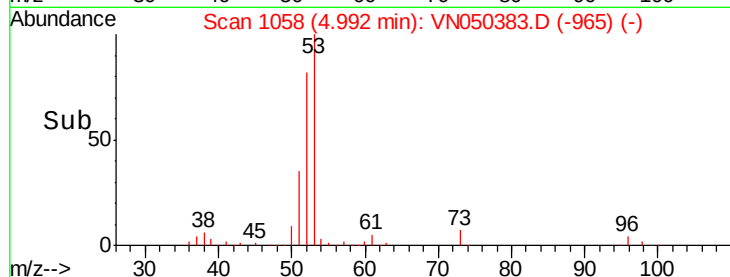
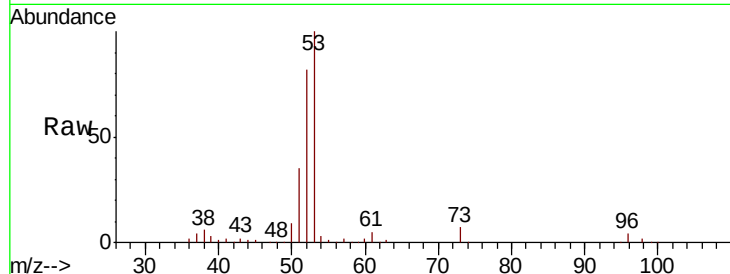
#15
 Acrylonitrile
 Concen: 101.92 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	35.3	29.3	43.9

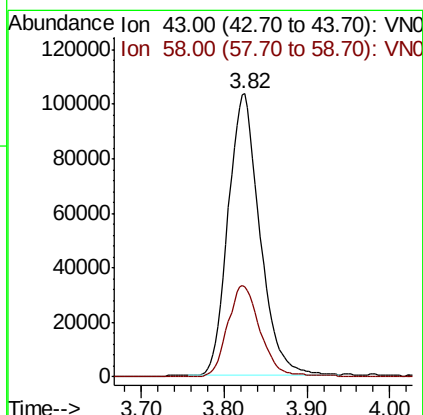
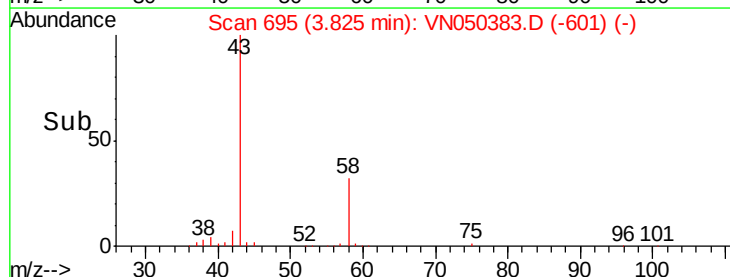
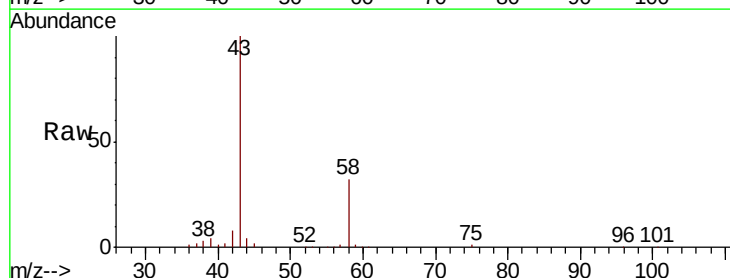
Manual Integrations
 APPROVED

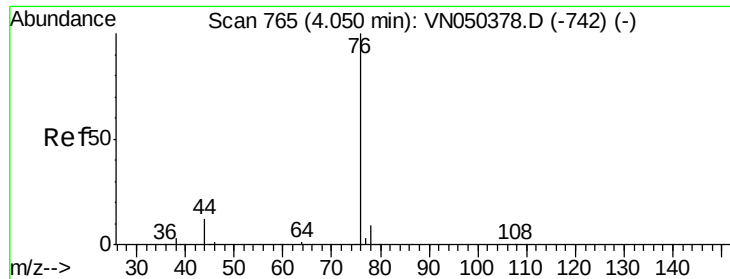
MMDadoda
 8/7/2018 9:58:52 AM



#16
 Acetone
 Concen: 102.90 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.8	38.8





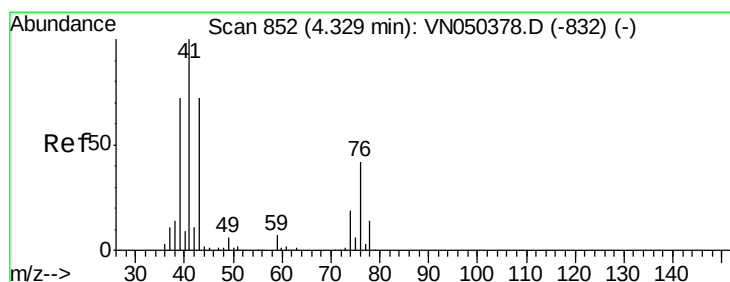
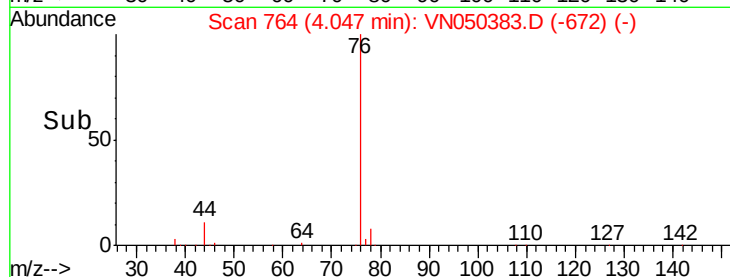
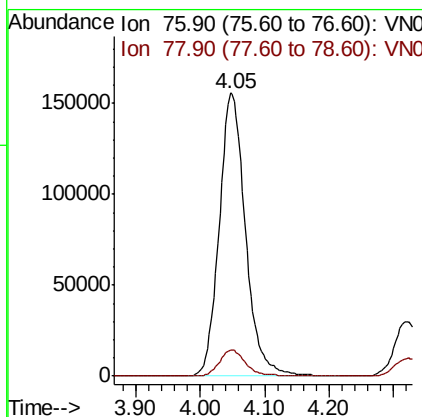
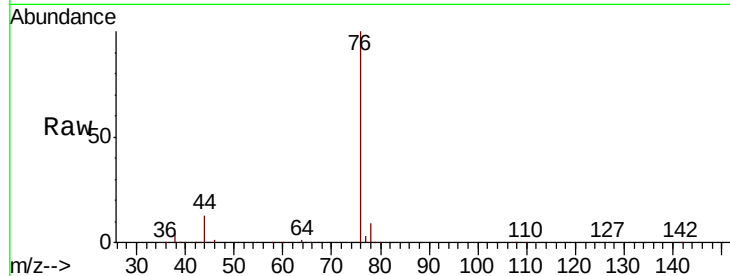
#17
Carbon Disulfide
Concen: 18.73 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

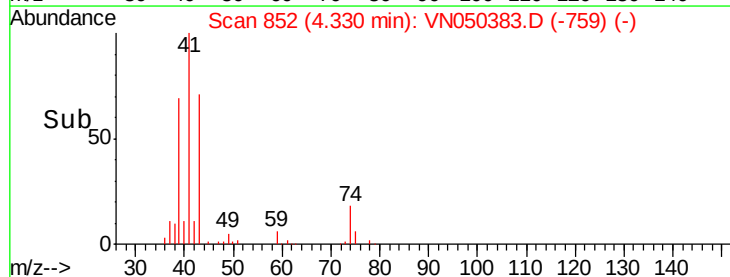
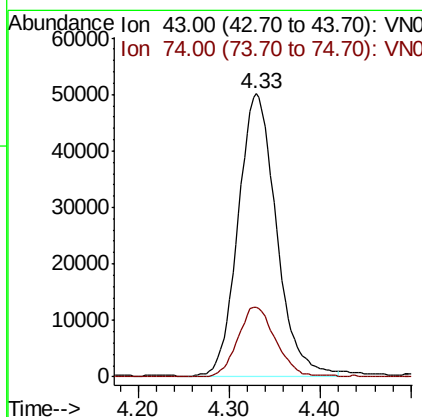
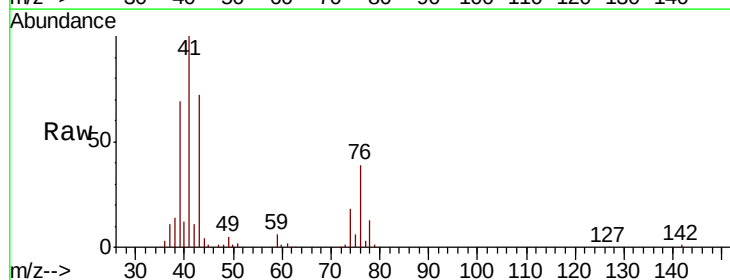
Manual Integrations
APPROVED

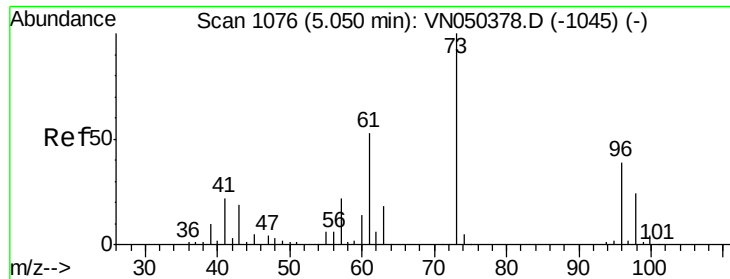
MMDadoda
8/7/2018 9:58:52 AM



#18
Methyl Acetate
Concen: 20.88 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8





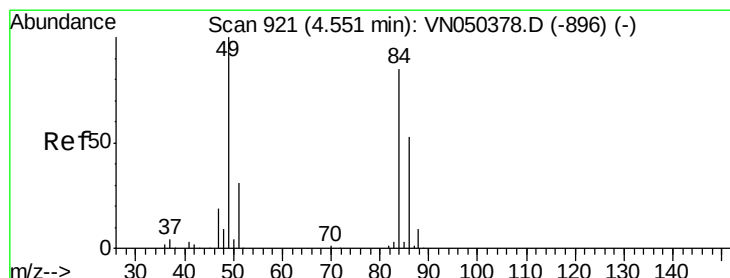
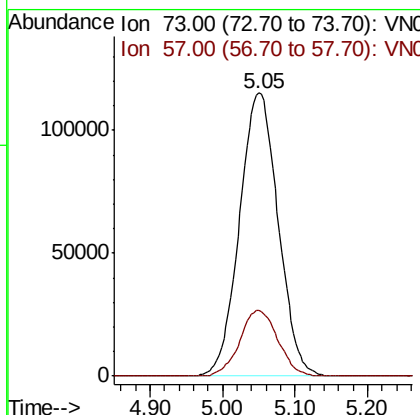
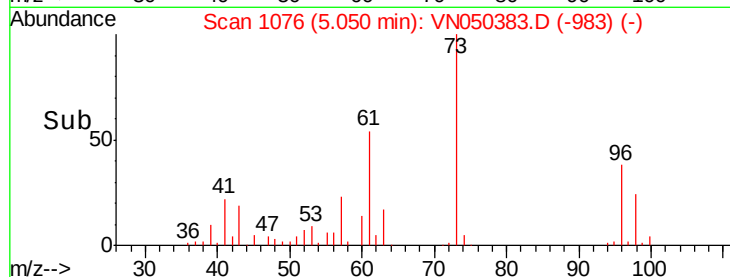
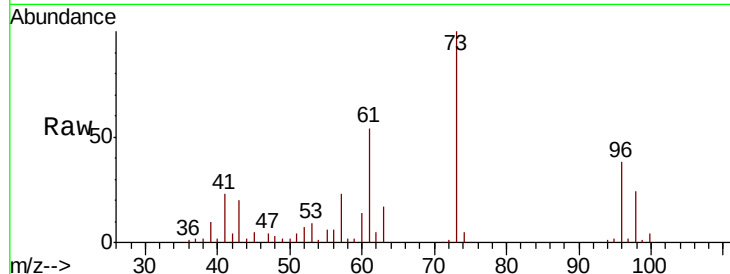
#19
Methvl tert-butvl Ether
Concen: 20.82 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion: 73 Resp: 428121
Ion Ratio Lower Upper
73 100
57 23.1 18.0 27.0

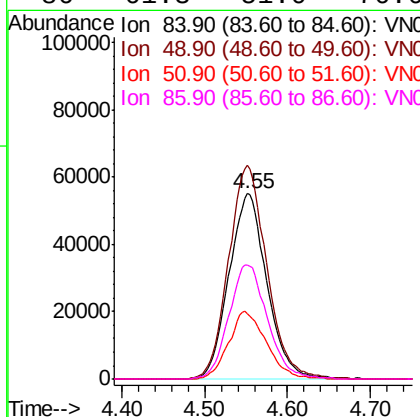
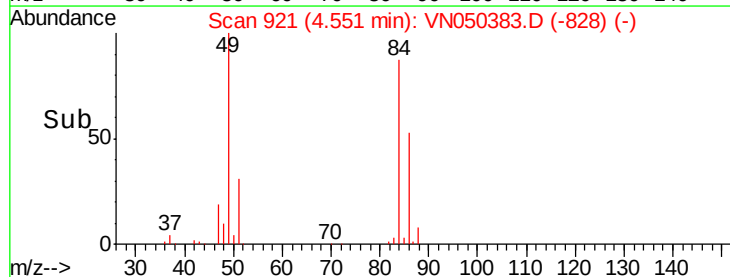
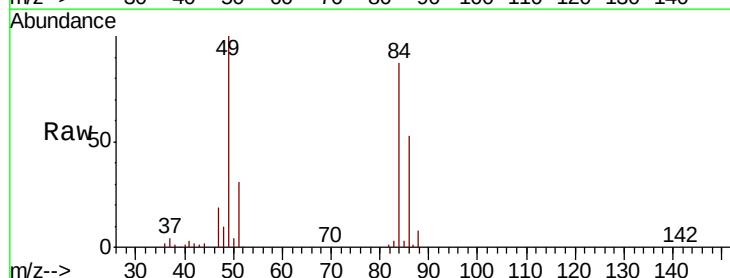
Manual Integrations
APPROVED

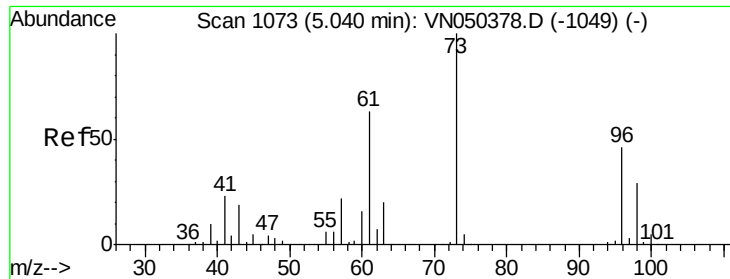
MMDadoda
8/7/2018 9:58:52 AM



#20
Methylene Chloride
Concen: 20.56 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion: 84 Resp: 175373
Ion Ratio Lower Upper
84 100
49 115.3 94.8 142.2
51 35.6 28.3 42.5
86 61.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.83 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

Tot Ion: 96 Resp: 155487

Ion Ratio Lower Upper

96 100

61 135.2 110.7 166.1

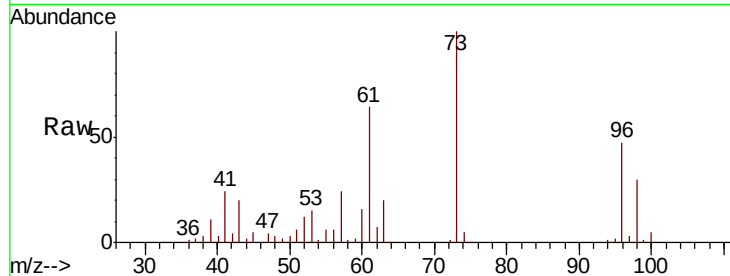
98 63.0 51.6 77.4

Manual Integrations

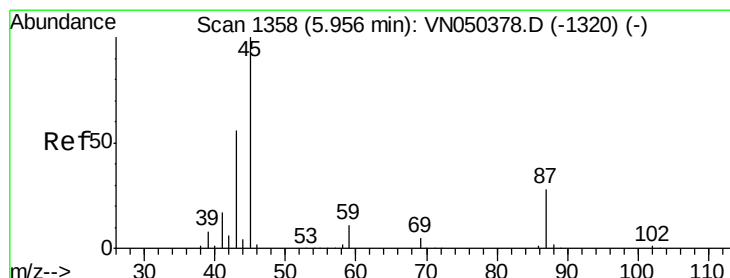
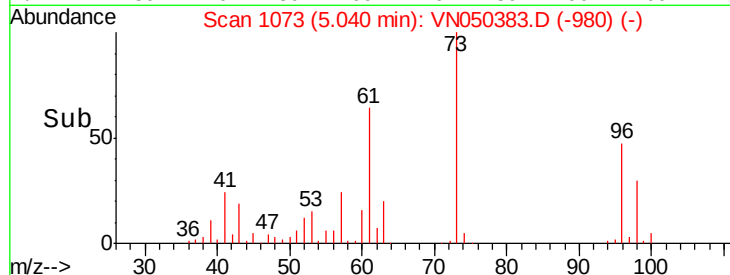
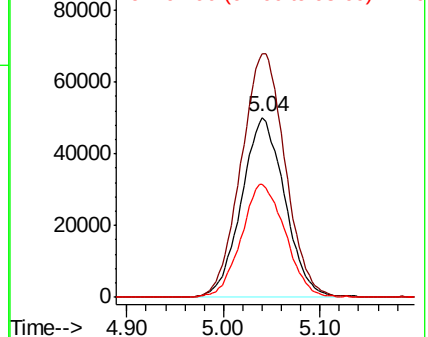
APPROVED

MMDadoda

8/7/2018 9:58:52 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.13 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Tgt Ion: 45 Resp: 502265

Ion Ratio Lower Upper

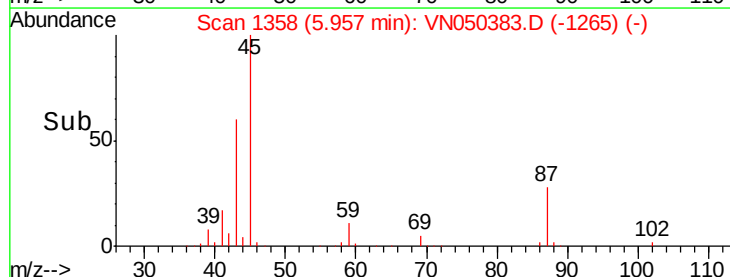
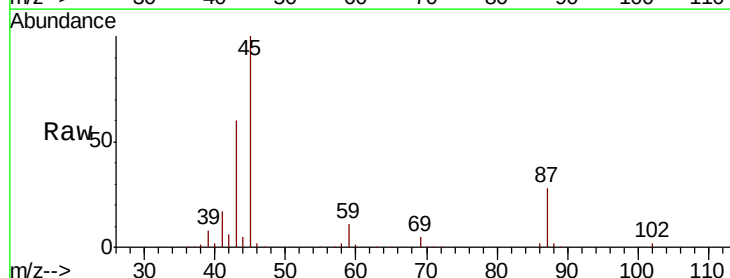
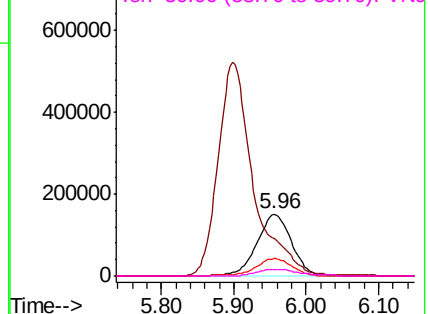
45 100

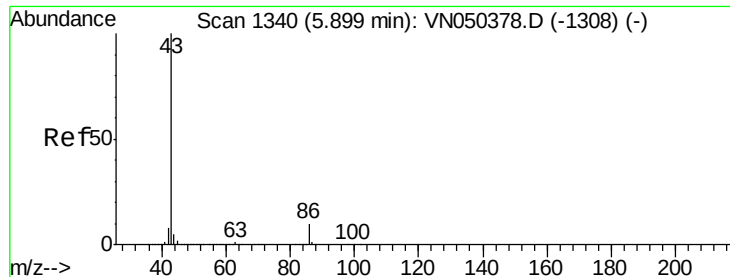
43 58.1 45.7 68.5

87 28.1 22.7 34.1

59 11.0 9.5 14.3

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 104.60 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS01

Tot Ion: 43 Resp: 1773994

Ion Ratio Lower Upper

43 100

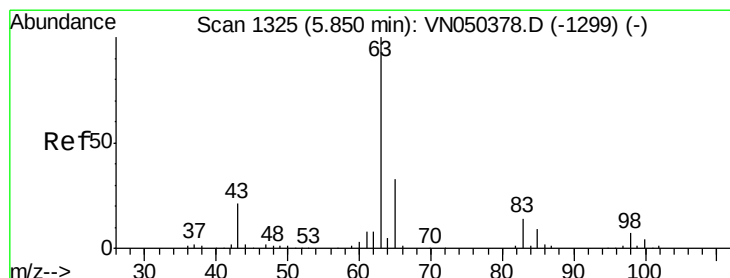
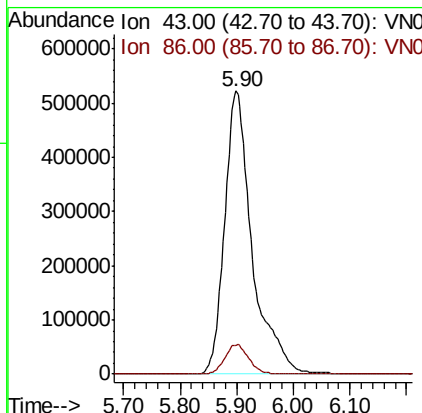
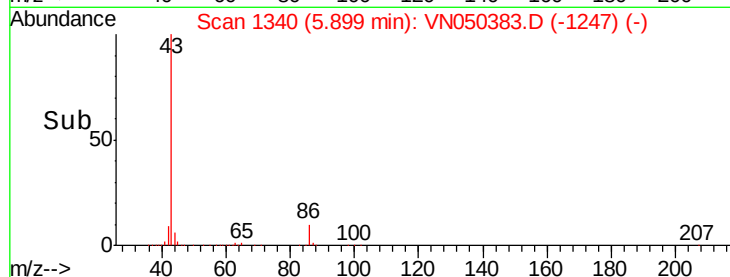
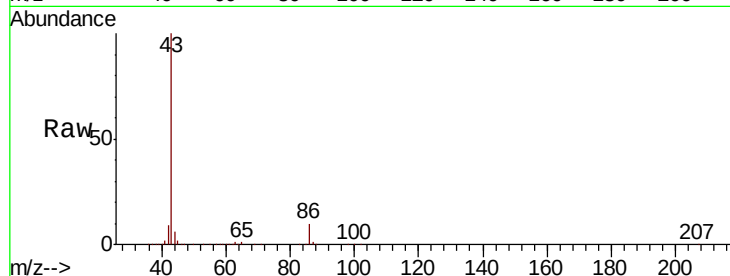
86 10.4 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

8/7/2018 9:58:52 AM



#24

1,1-Dichloroethane

Concen: 20.33 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

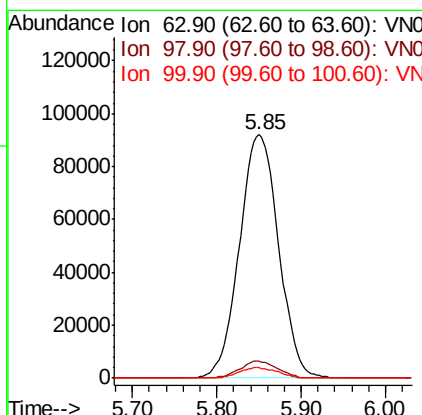
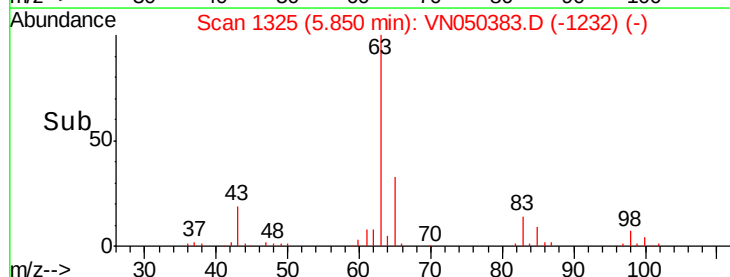
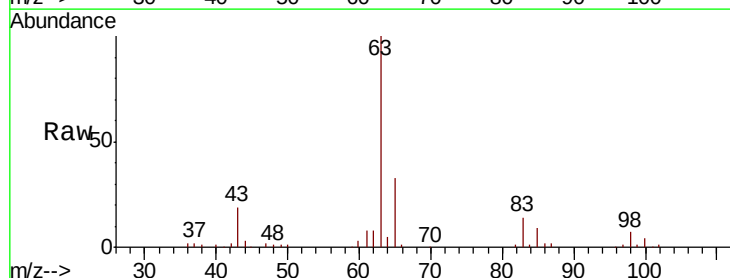
Tgt Ion: 63 Resp: 296572

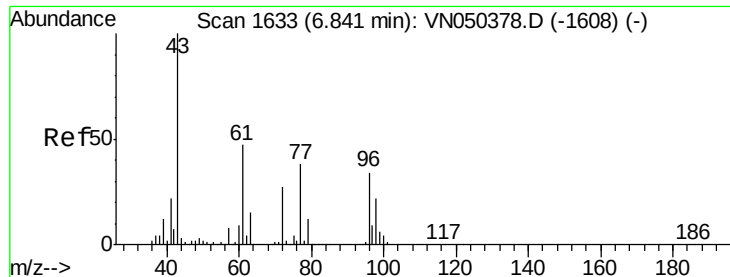
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 103.01 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

Tot Ion: 43 Resp: 457084

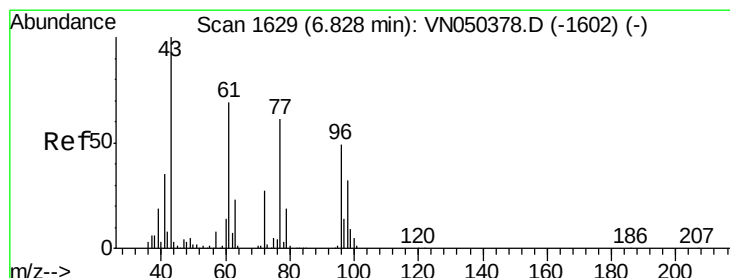
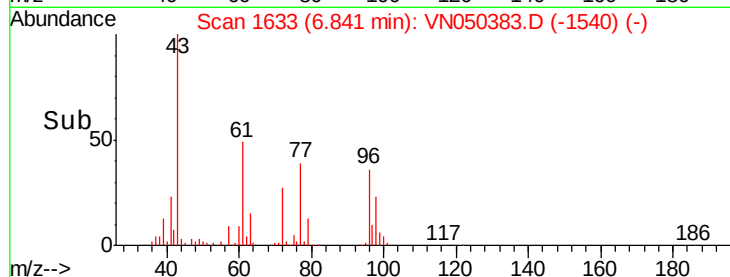
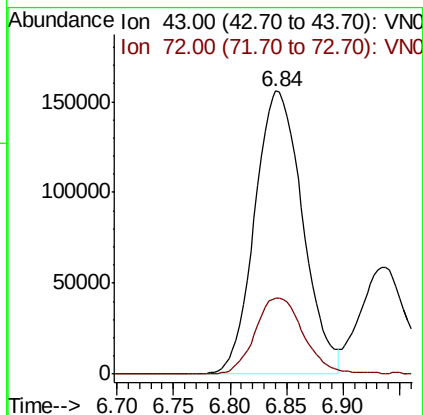
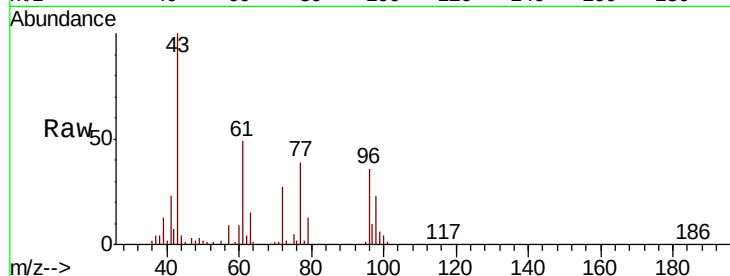
Ion Ratio Lower Upper

43 100

72 26.7 21.5 32.3

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



#26

2,2-Dichloropropane

Concen: 20.14 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050383.D

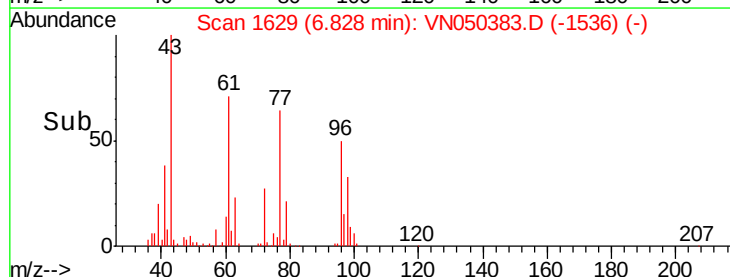
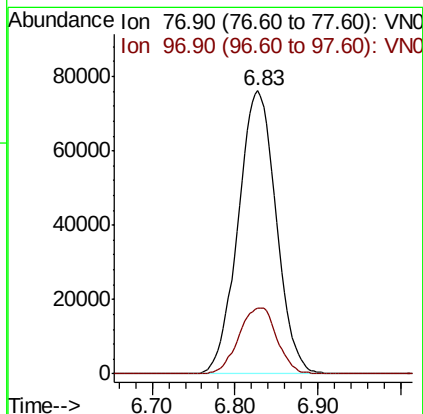
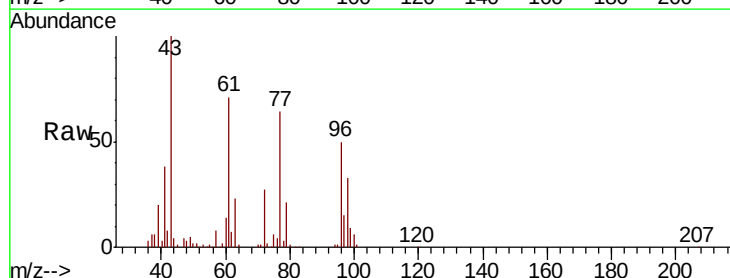
Acq: 6 Aug 2018 15:01

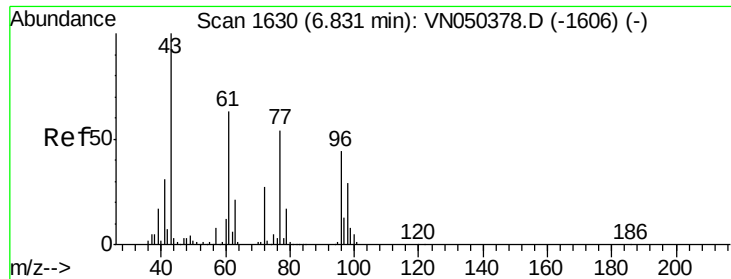
Tgt Ion: 77 Resp: 242226

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.61 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050383.D

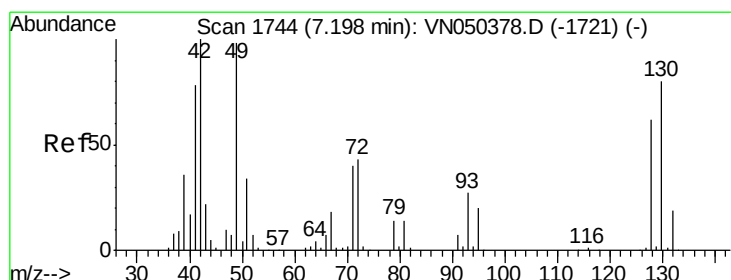
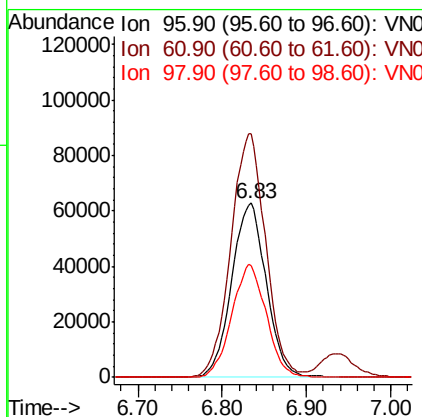
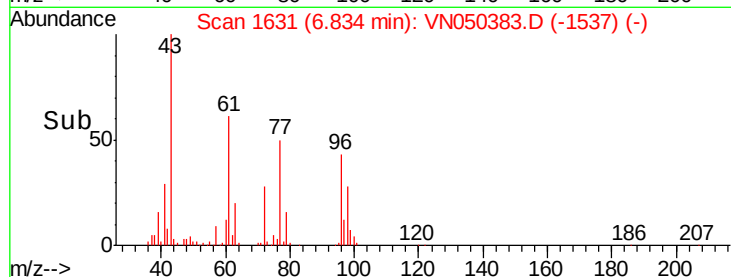
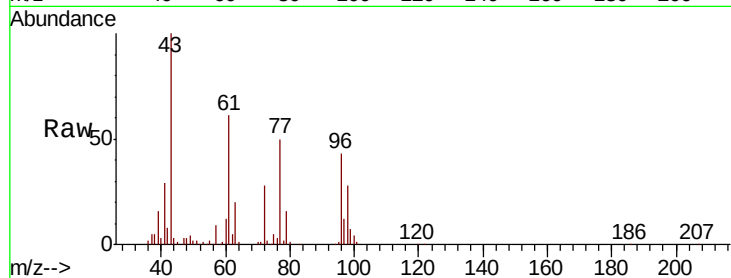
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	179114		
61	140.8	0.0	285.0	
98	64.6	0.0	129.2	

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



#28

Bromochloromethane

Concen: 20.09 ug/l

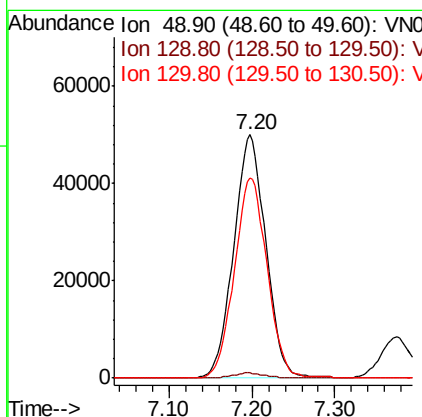
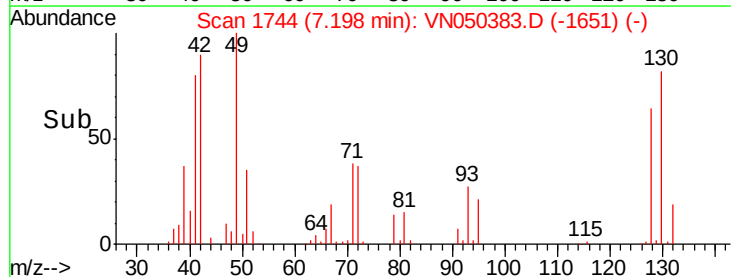
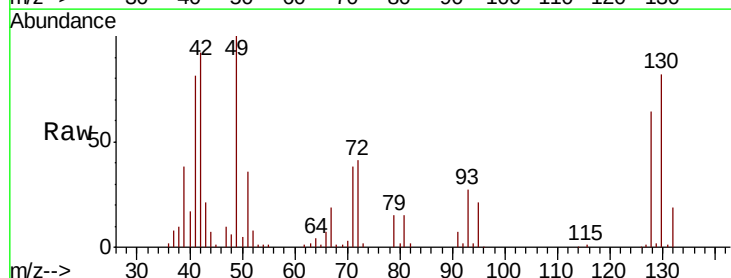
RT: 7.20 min Scan# 1744

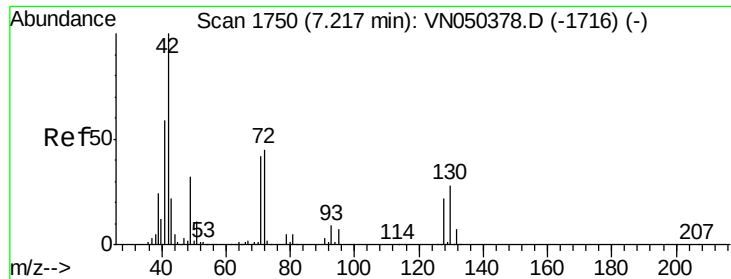
Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	134863		
129	2.0	0.0	4.0	
130	83.8	66.3	99.5	





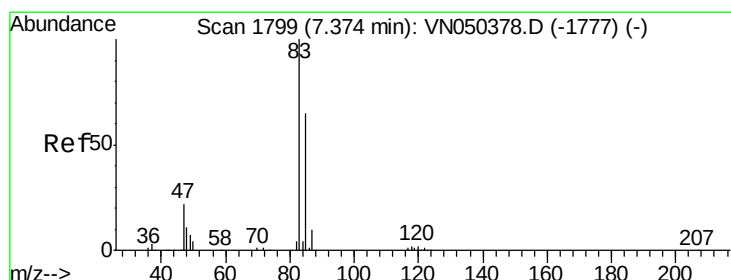
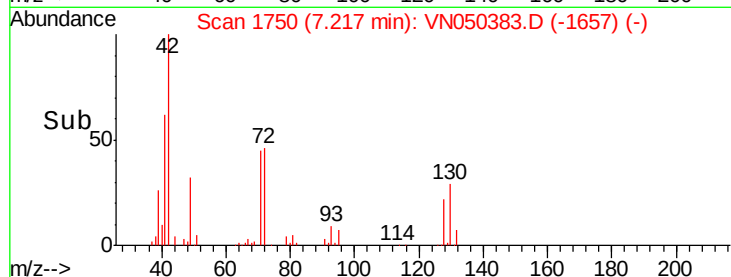
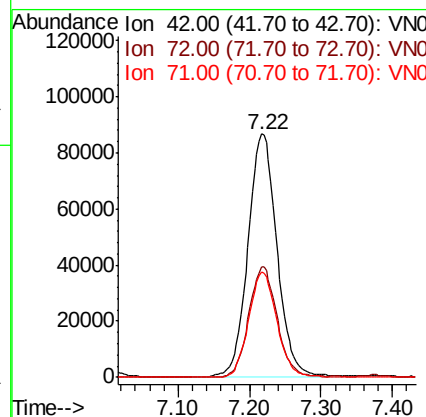
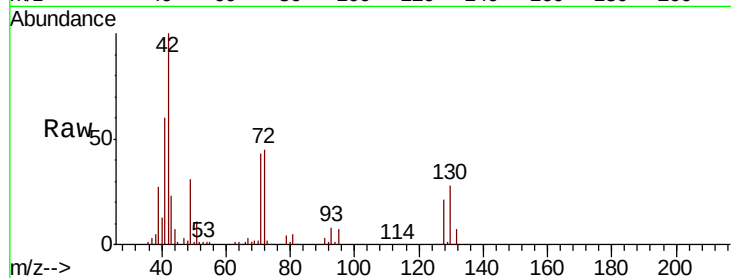
#29
Tetrahydrofuran
Concen: 104.14 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.9	53.9
71	41.8	33.7	50.5

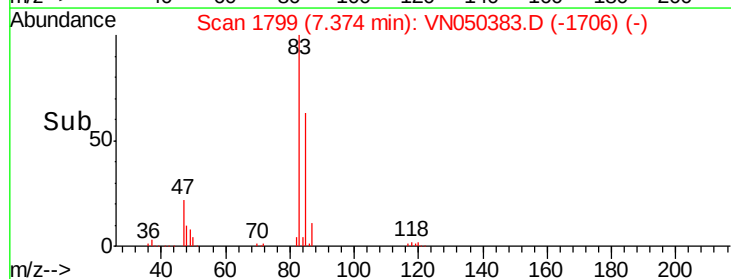
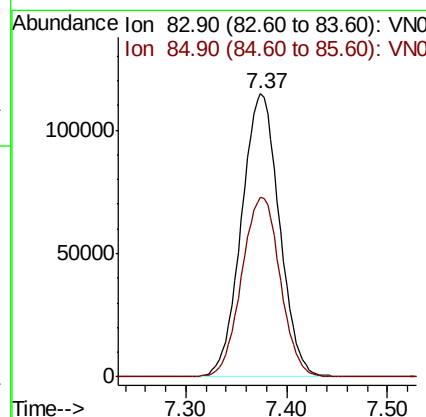
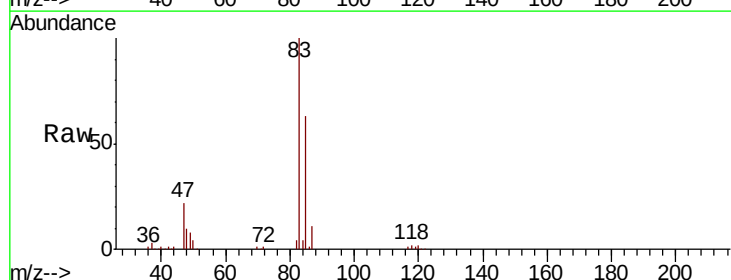
Manual Integrations
APPROVED

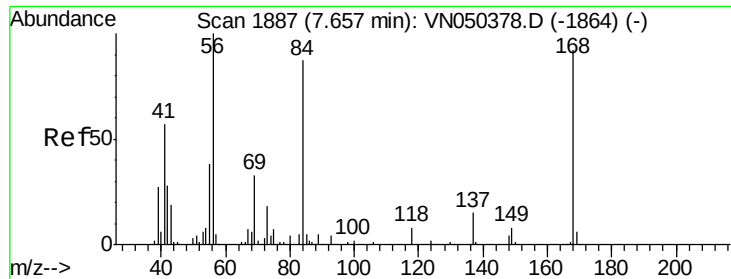
MMDadoda
8/7/2018 9:58:52 AM



#30
Chloroform
Concen: 20.49 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.5	78.7





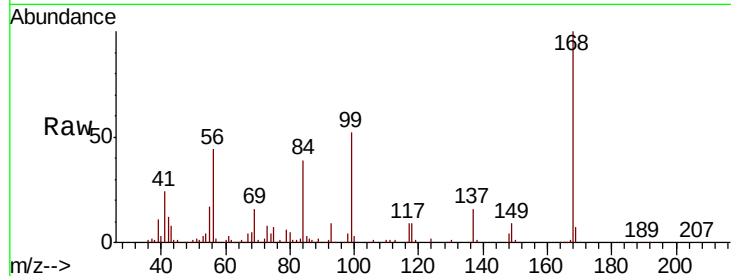
#31
Cyclohexane
Concen: 20.35 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	26.2	39.4
84	87.8	67.4	101.0

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM

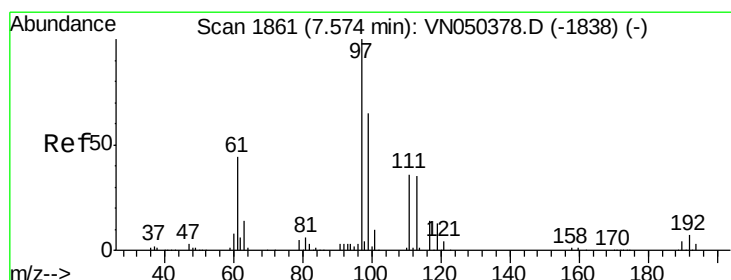
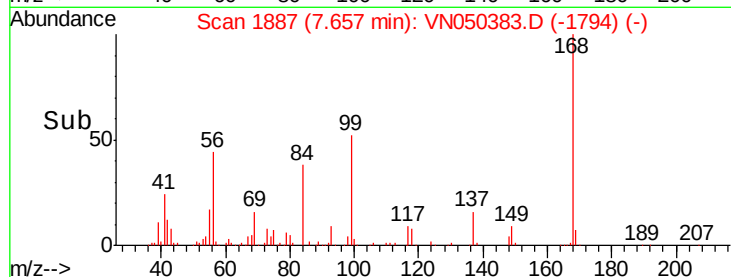
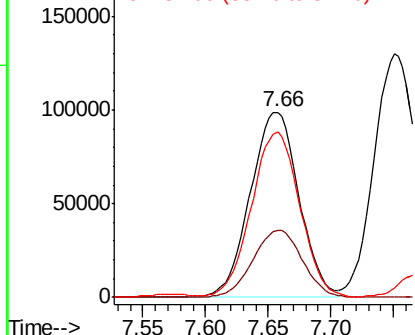


Abundance

Ion 56.00 (55.70 to 56.70): VN0

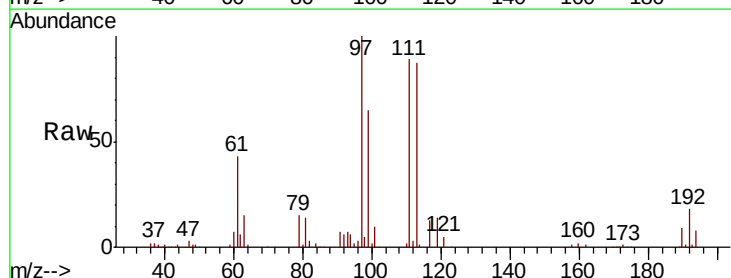
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 20.47 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	43.2	35.4	53.0

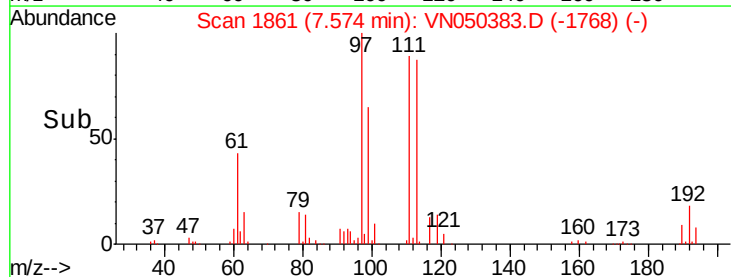
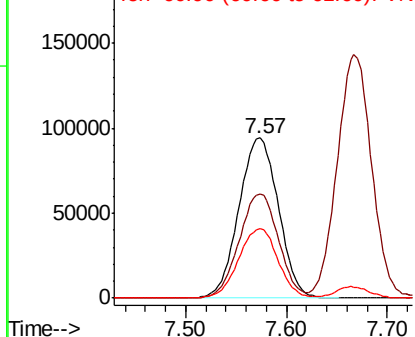


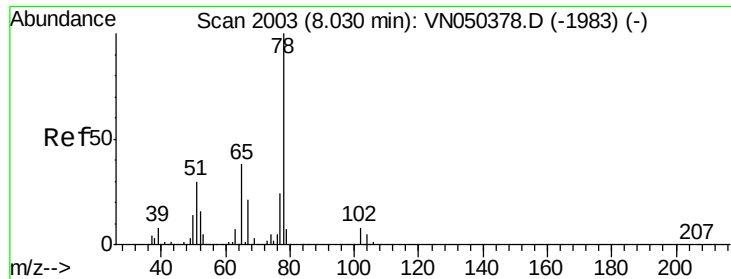
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





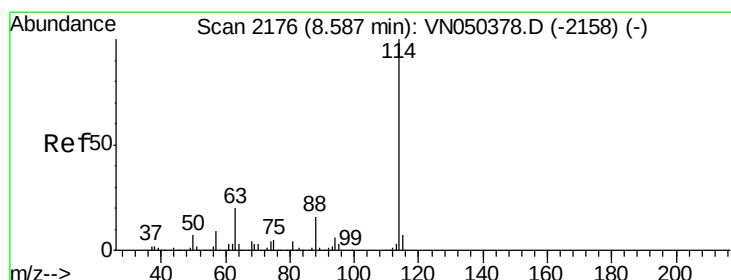
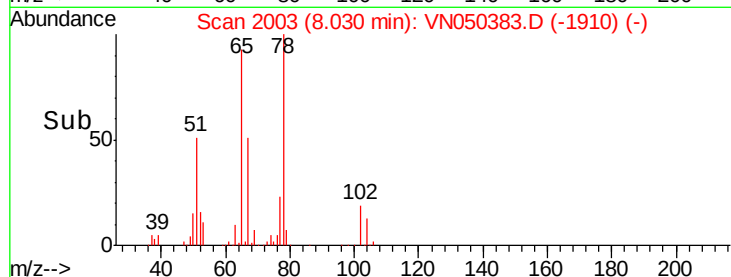
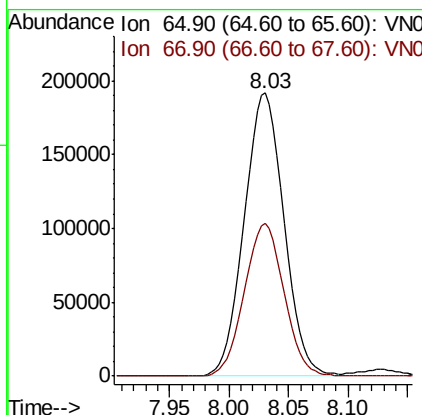
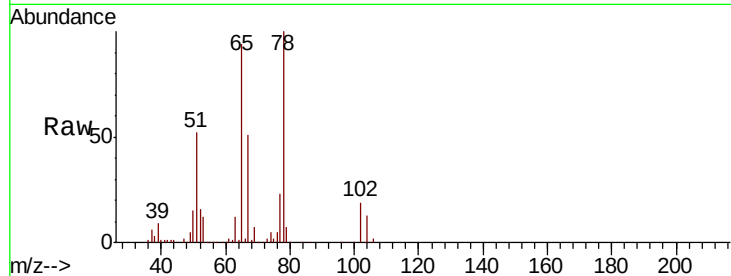
#33
 1,2-Dichloroethane-d4
 Concen: 49.59 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.9	0.0	108.4	

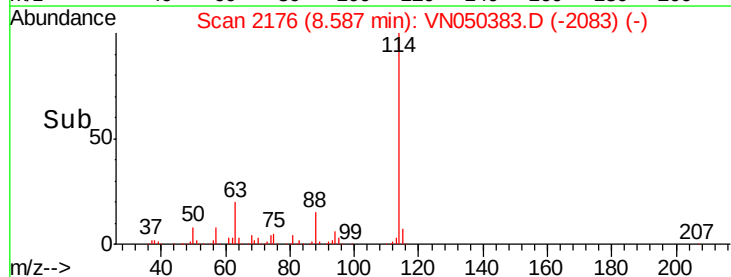
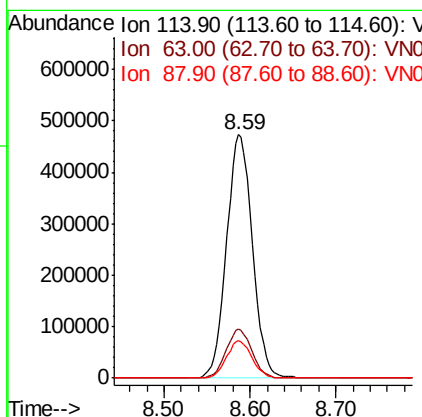
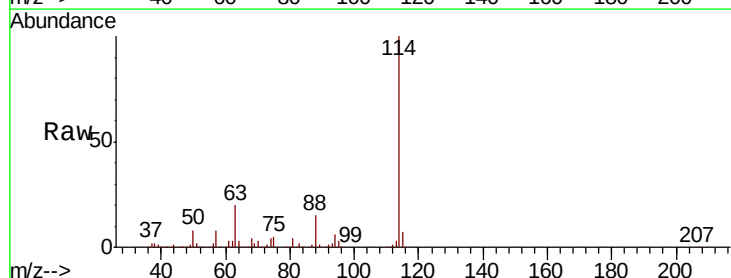
Manual Integrations
 APPROVED

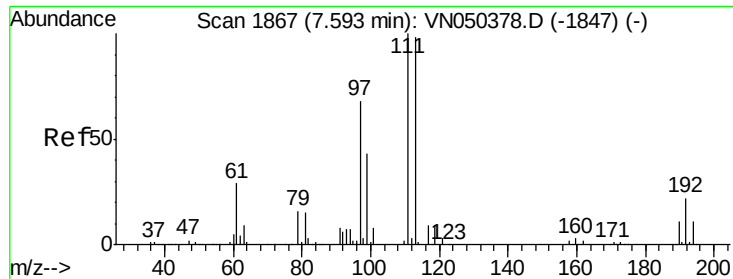
MMDadoda
 8/7/2018 9:58:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	40.0	
88	15.4	0.0	31.2	





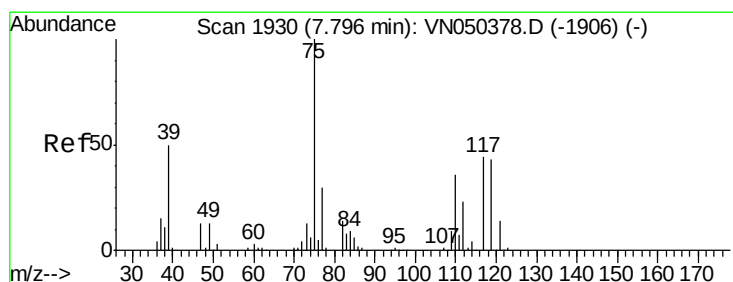
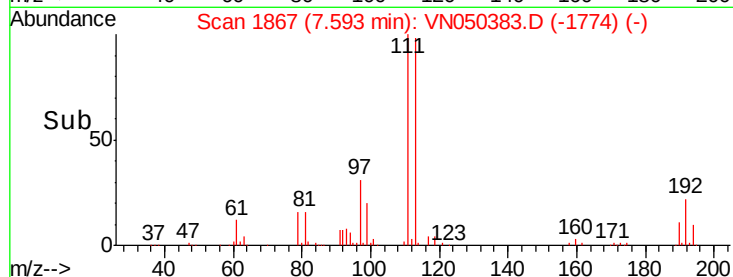
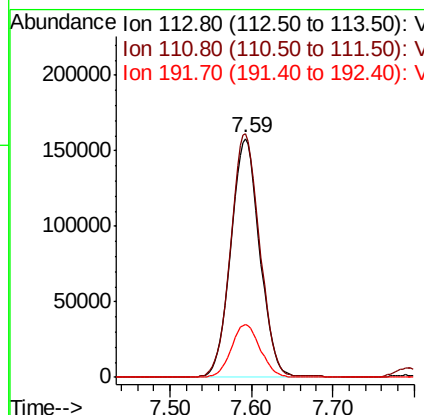
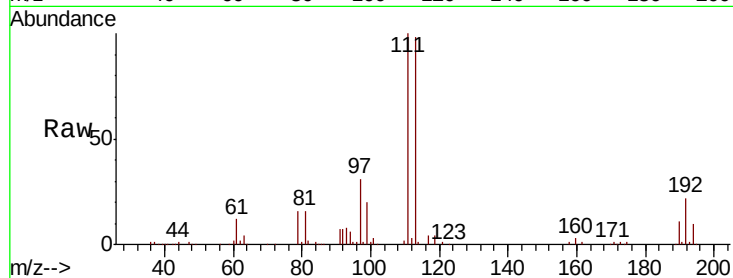
#35
 Dibromofluoromethane
 Concen: 49.63 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	392707		
111	102.1	80.7	121.1	
192	22.2	17.8	26.6	

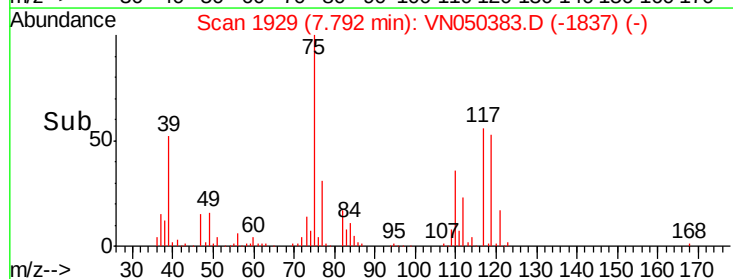
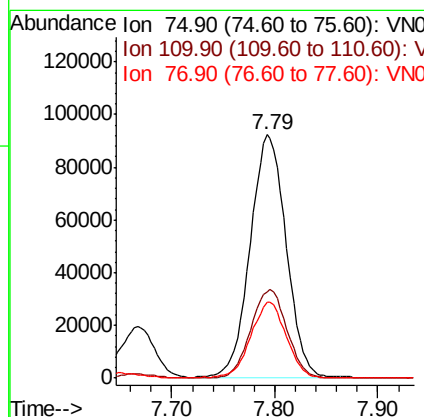
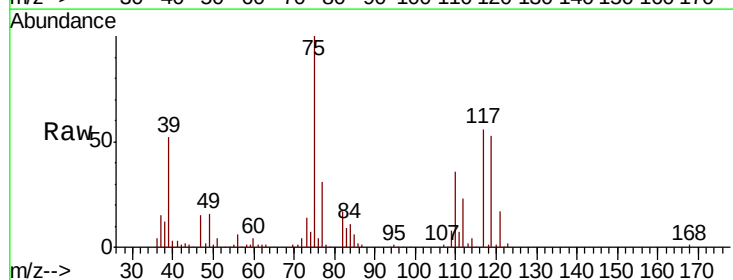
Manual Integrations
 APPROVED

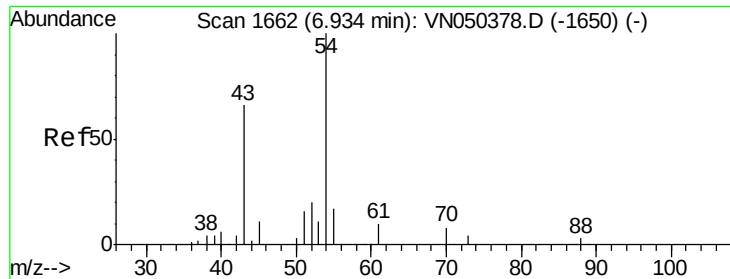
MMDadoda
 8/7/2018 9:58:52 AM



#36
 1,1-Dichloropropene
 Concen: 20.50 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	222088		
110	36.9	18.4	55.2	
77	30.1	25.3	37.9	





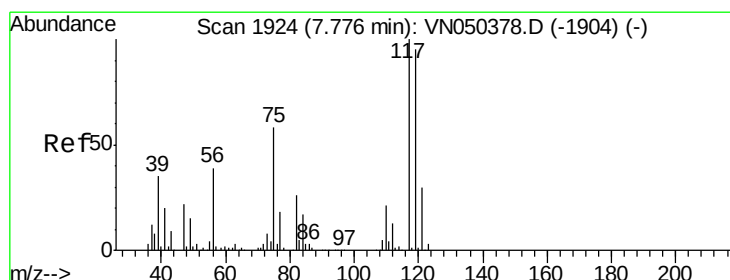
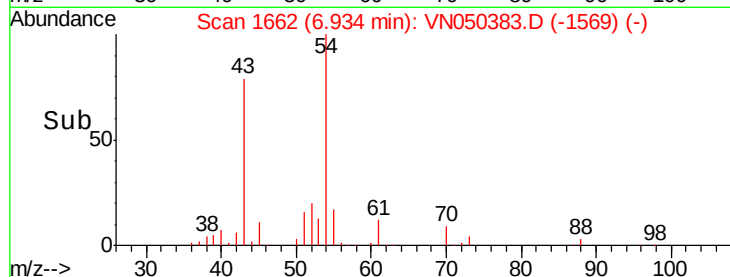
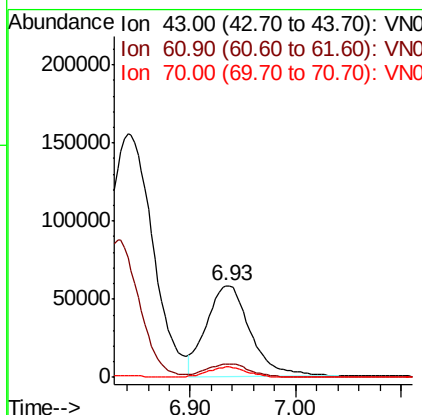
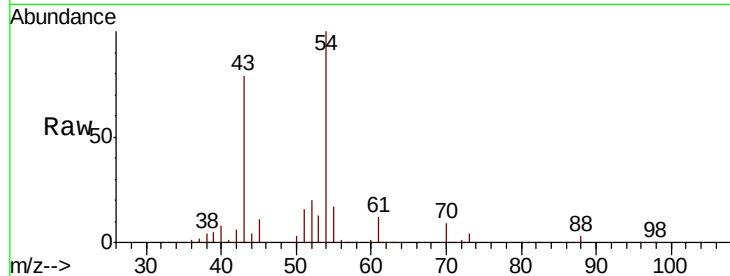
#37
Ethyl Acetate
Concen: 21.45 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.8	17.8
70	10.3	8.4	12.6

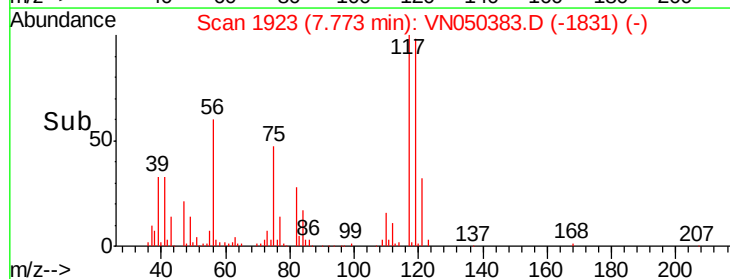
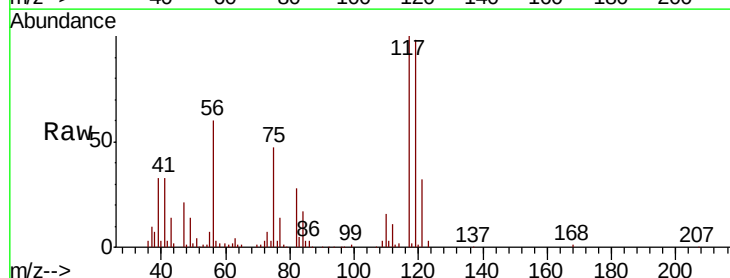
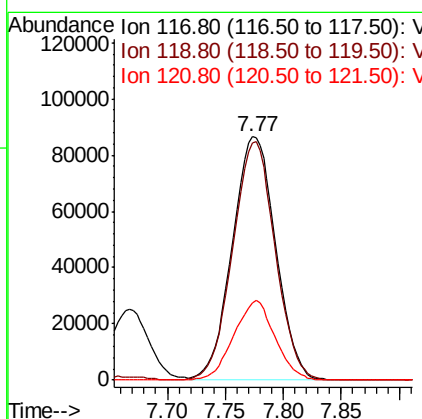
Manual Integrations
APPROVED

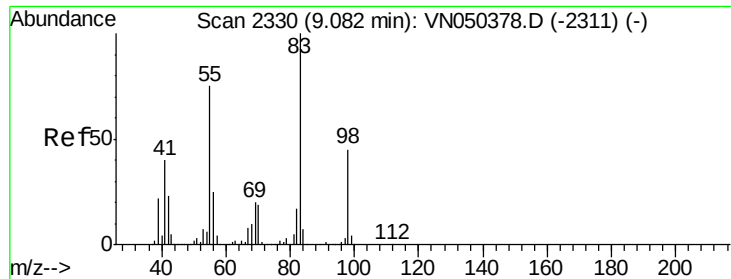
MMDadoda
8/7/2018 9:58:52 AM



#38
Carbon Tetrachloride
Concen: 19.94 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.4	116.0
121	31.9	23.9	35.9





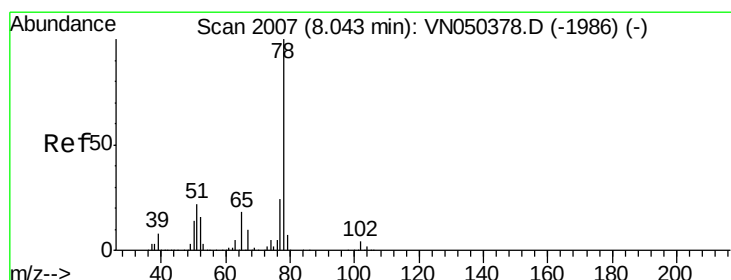
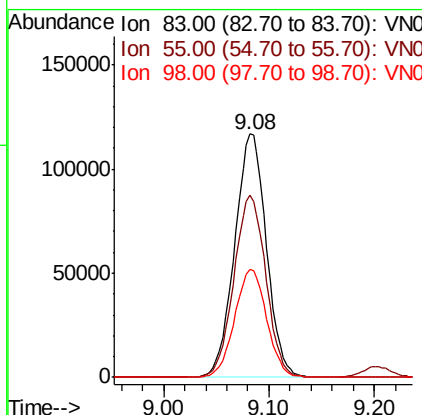
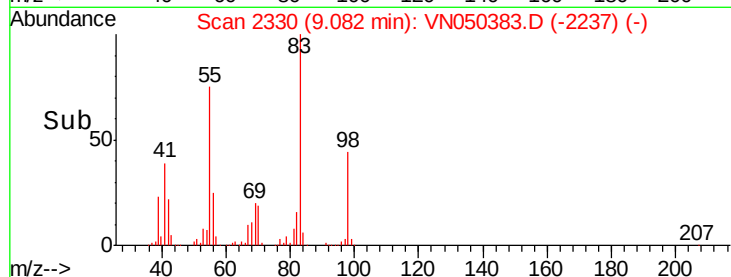
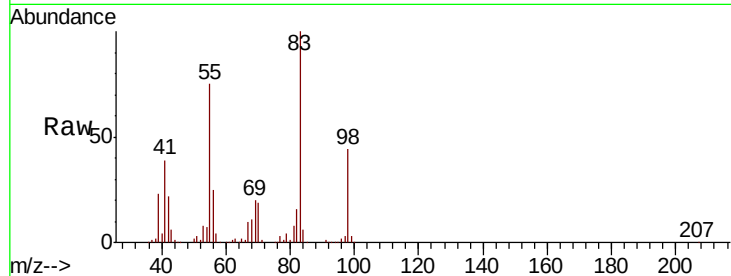
#39
Methylvlcyclohexane
Concen: 20.59 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	243534		
55	74.6	61.8	92.8	
98	44.5	36.5	54.7	

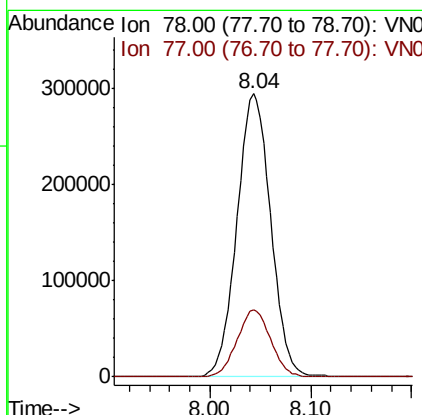
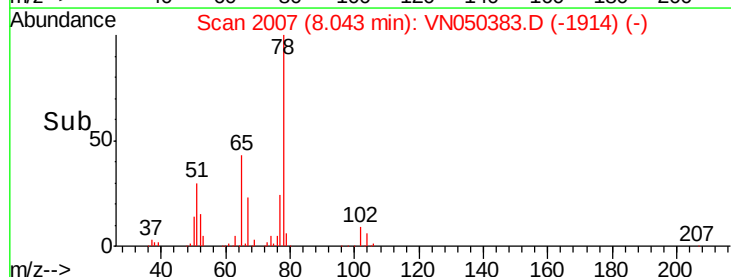
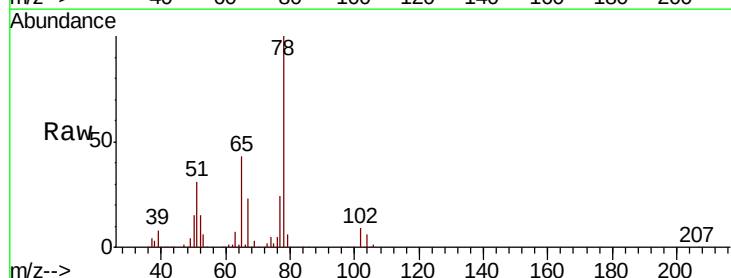
Manual Integrations
APPROVED

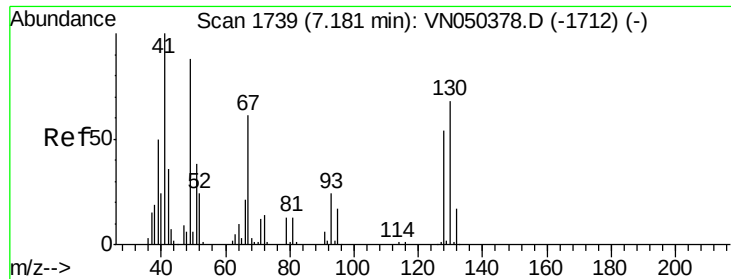
MMDadoda
8/7/2018 9:58:52 AM



#40
Benzene
Concen: 20.58 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	685476		
77	23.8	18.7	28.1	





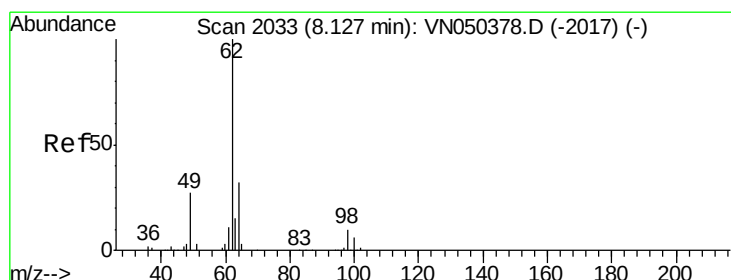
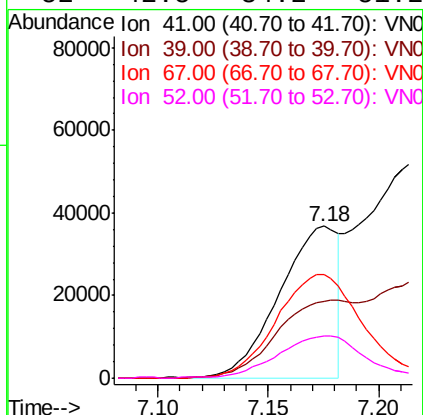
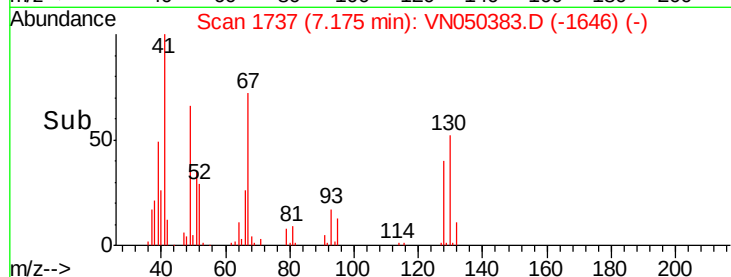
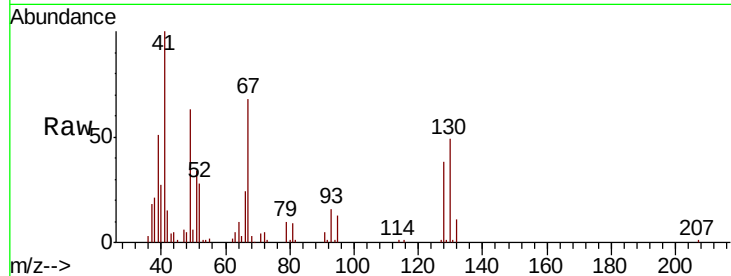
#41
Methacrylonitrile
Concen: 16.21 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	70.4	55.8	83.6	
67	102.4	84.3	126.5	
52	42.5	34.2	51.2	

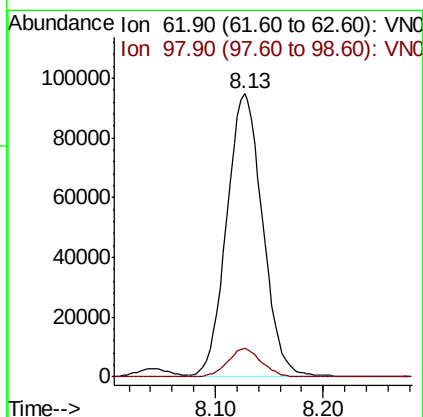
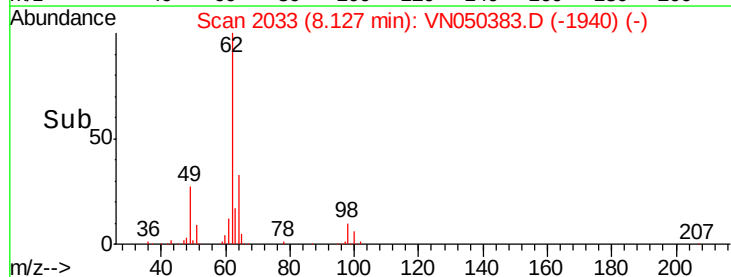
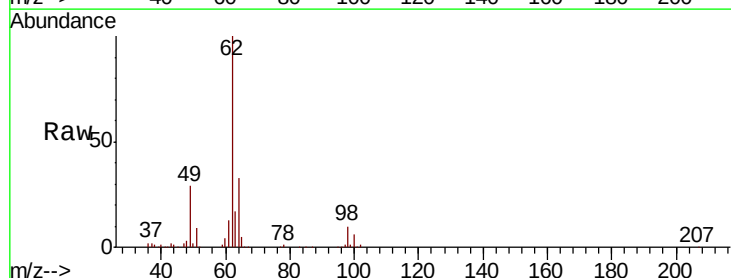
Manual Integrations
APPROVED

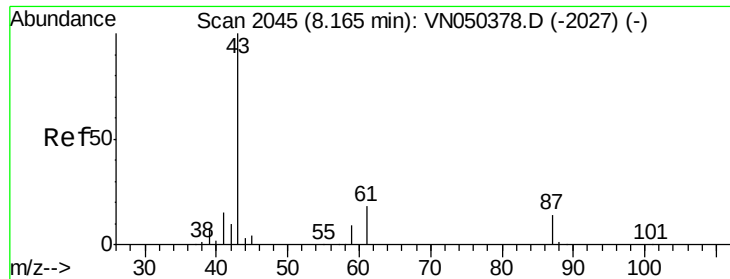
MMDadoda
8/7/2018 9:58:52 AM



#42
1,2-Dichloroethane
Concen: 20.71 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	18.8	





#43

Isopropyl Acetate

Concen: 20.73 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

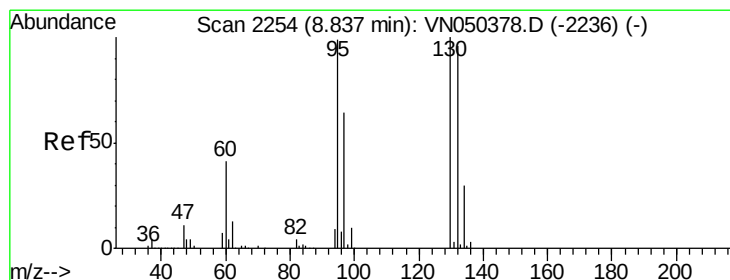
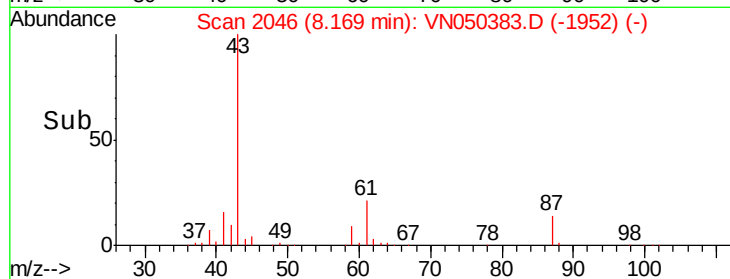
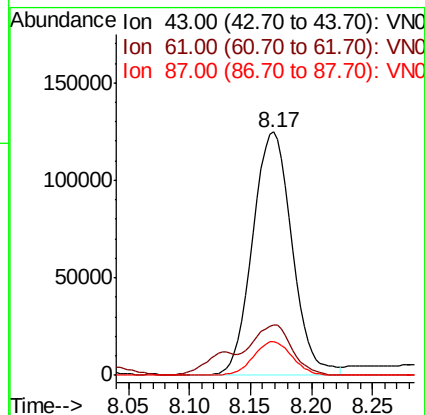
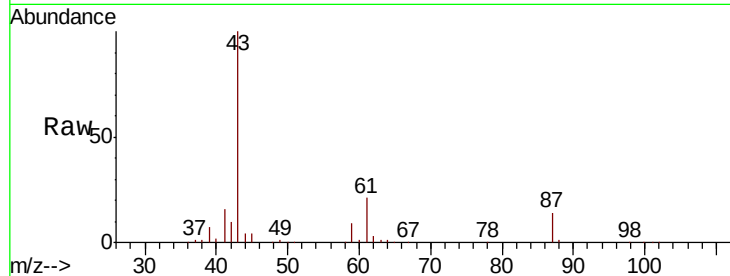
ClientSampleId :

VN0806WBS01

Tot Ion:	43	Resp:	279276
Ion	Ratio	Lower	Upper
43	100		
61	20.6	15.8	23.6
87	13.7	10.3	15.5

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



#44

Trichloroethene

Concen: 19.82 ug/l

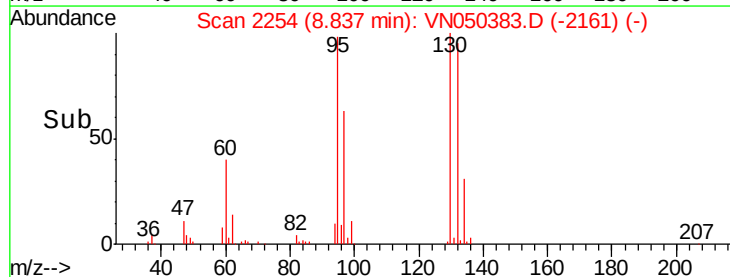
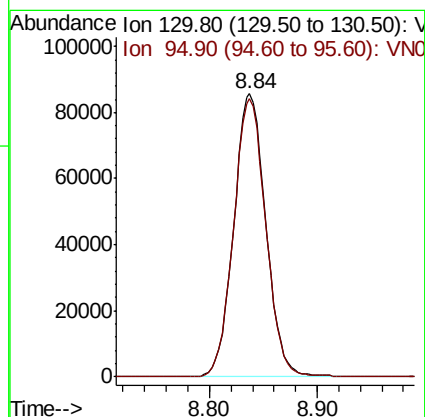
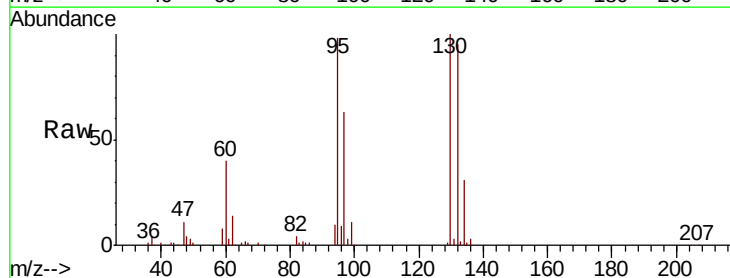
RT: 8.84 min Scan# 2254

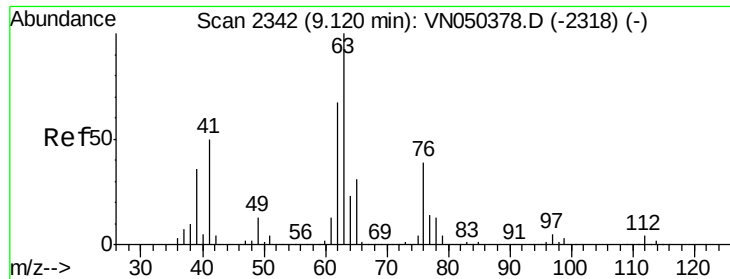
Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Tgt Ion:	130	Resp:	177447
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	194.6





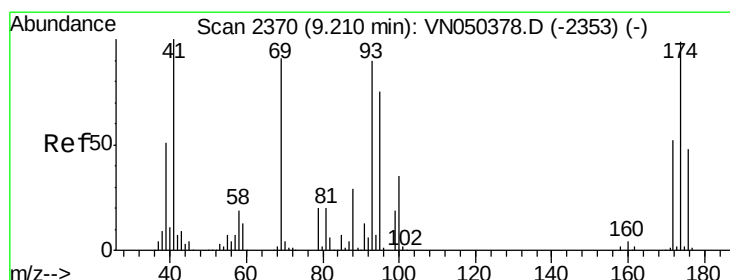
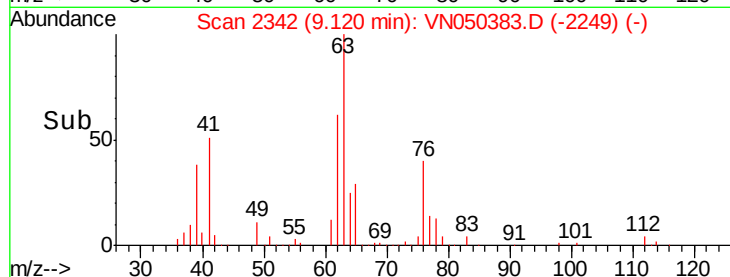
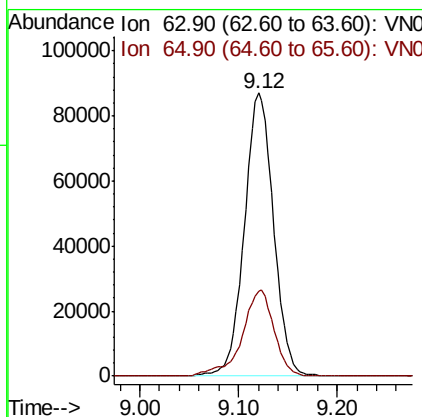
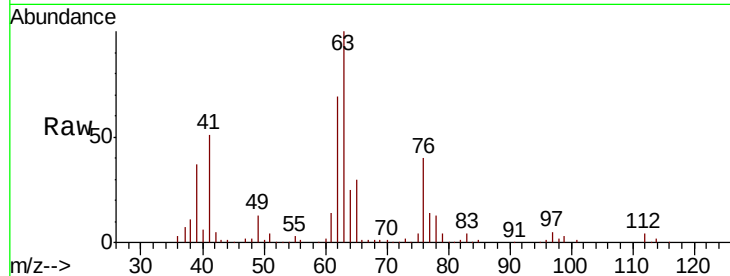
#45
 1,2-Dichloropropane
 Concen: 20.25 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	25.5	38.3

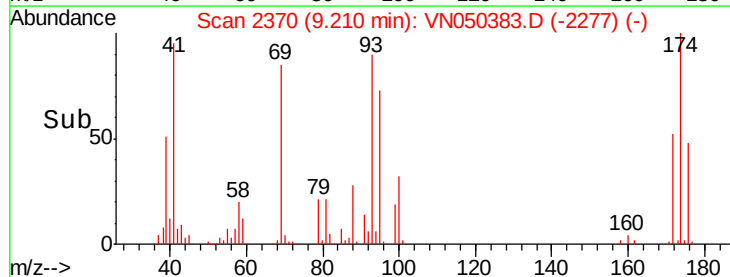
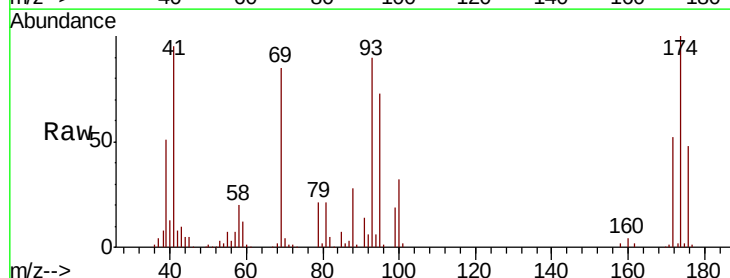
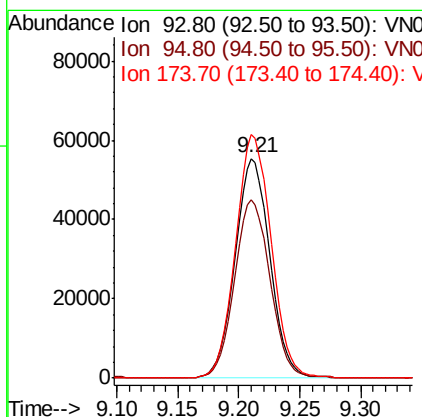
Manual Integrations
 APPROVED

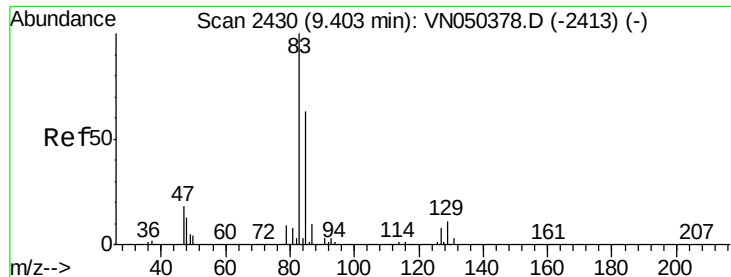
MMDadoda
 8/7/2018 9:58:52 AM



#46
 Dibromomethane
 Concen: 20.29 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.6	100.0
174	113.4	87.1	130.7





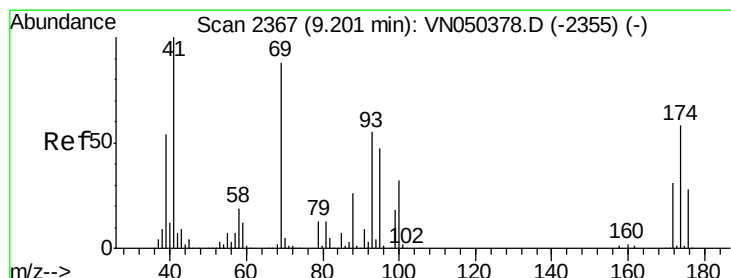
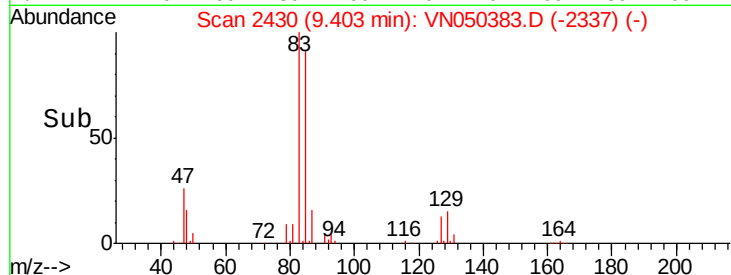
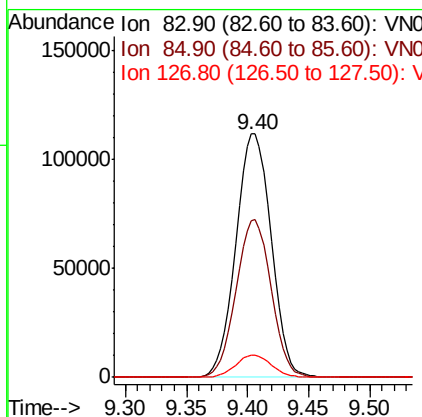
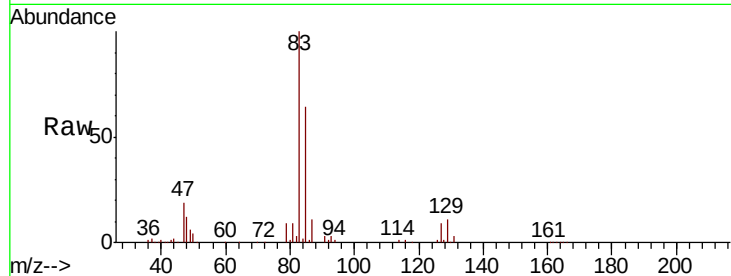
#47
Bromodichloromethane
Concen: 20.02 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	224293		
85	64.2	51.1	76.7	
127	9.1	7.0	10.4	

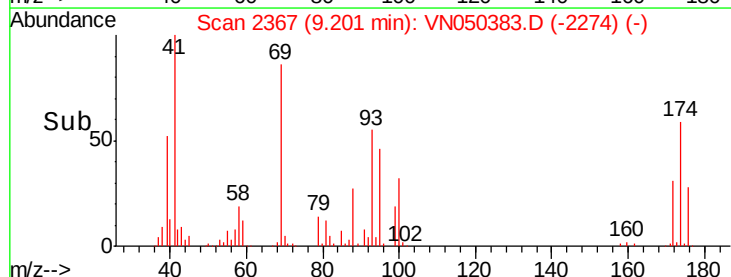
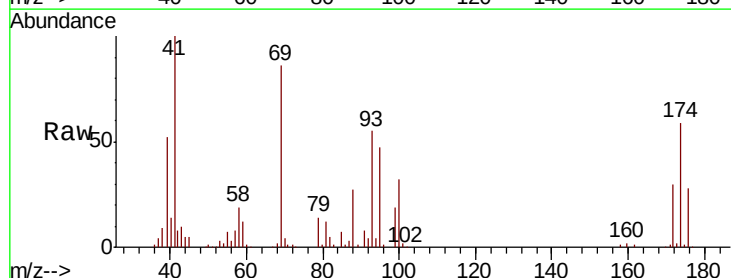
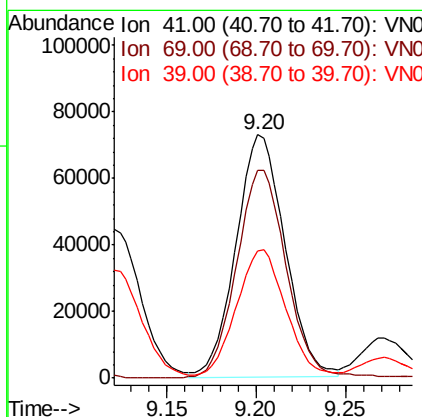
Manual Integrations
APPROVED

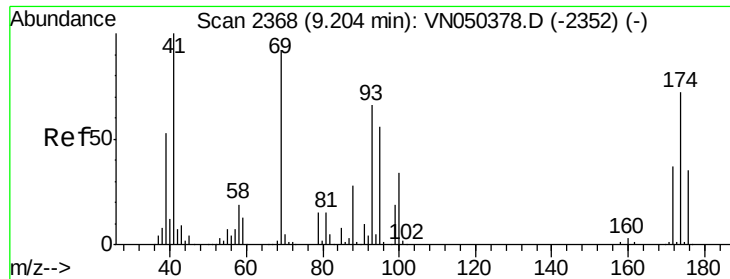
MMDadoda
8/7/2018 9:58:52 AM



#48
Methyl methacrylate
Concen: 20.74 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	140033		
69	88.2	70.6	105.8	
39	53.4	43.9	65.9	





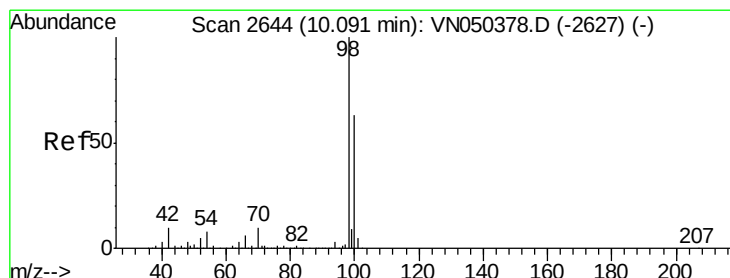
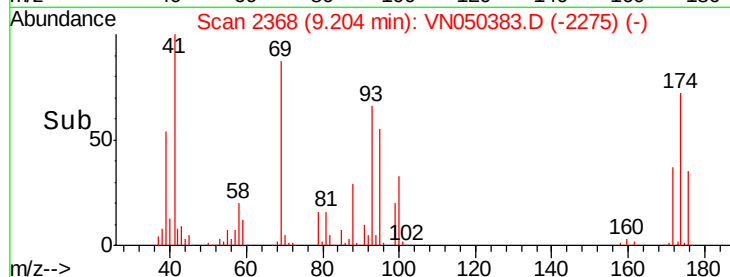
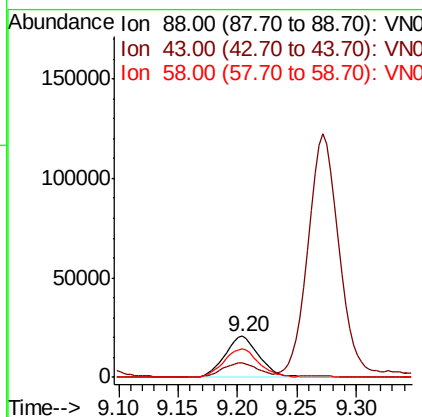
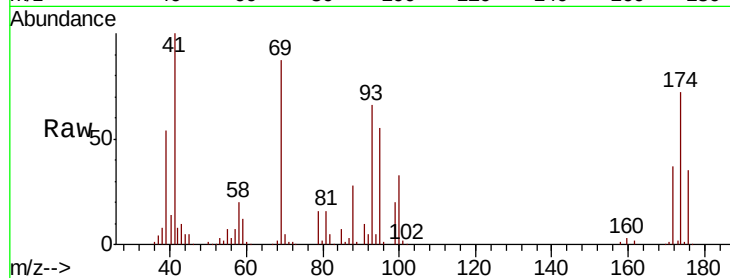
#49
1,4-Dioxane
Concen: 397.22 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	26.9	40.3
58	70.9	57.3	85.9

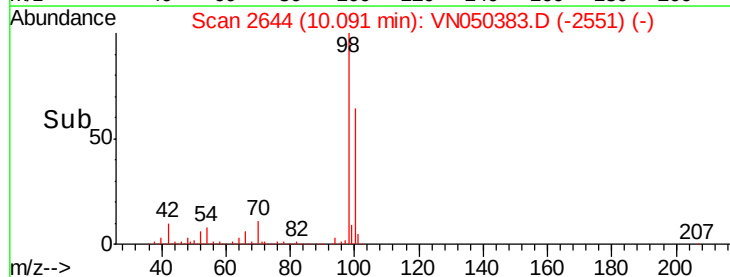
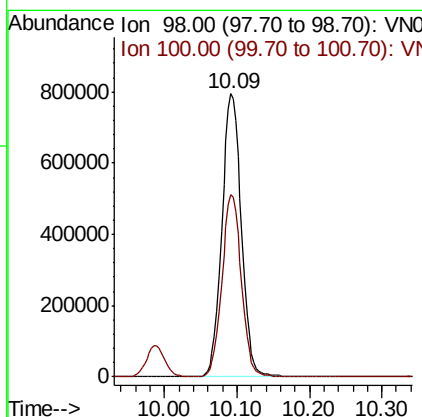
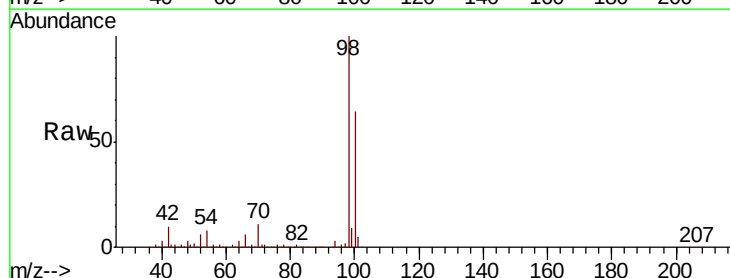
Manual Integrations
APPROVED

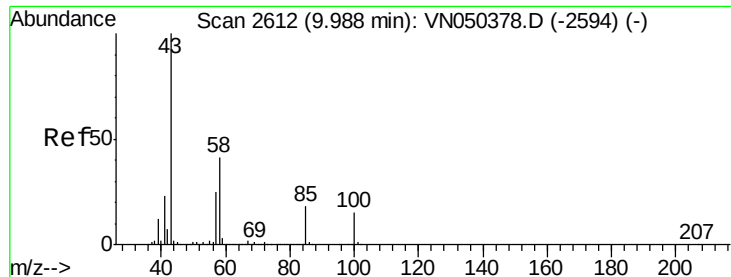
MMDadoda
8/7/2018 9:58:52 AM



#50
Toluene-d8
Concen: 49.64 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 106.19 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

Tot Ion: 43 Resp: 1030103

Ion Ratio Lower Upper

43 100

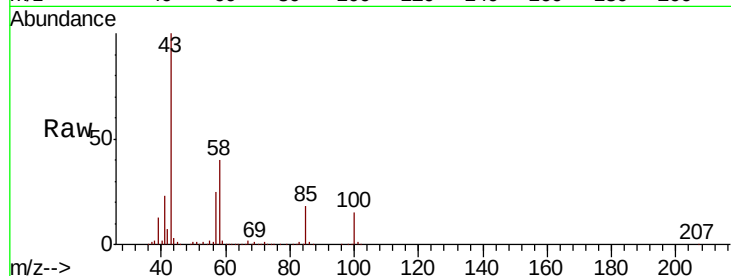
58 40.3 31.9 47.9

Manual Integrations

APPROVED

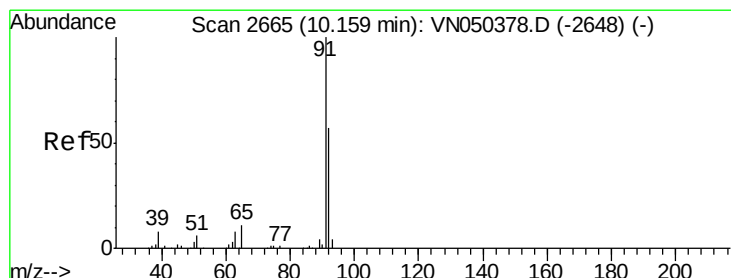
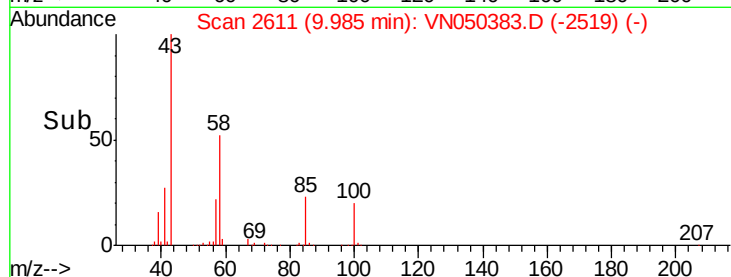
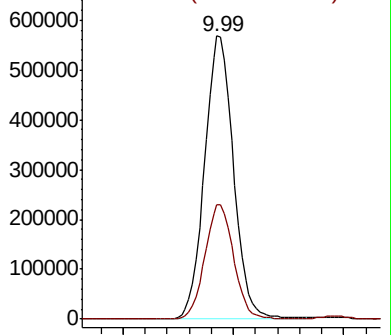
MMDadoda

8/7/2018 9:58:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.84 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050383.D

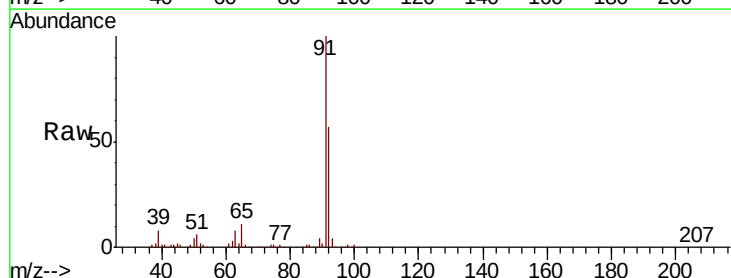
Acq: 6 Aug 2018 15:01

Tgt Ion: 92 Resp: 416985

Ion Ratio Lower Upper

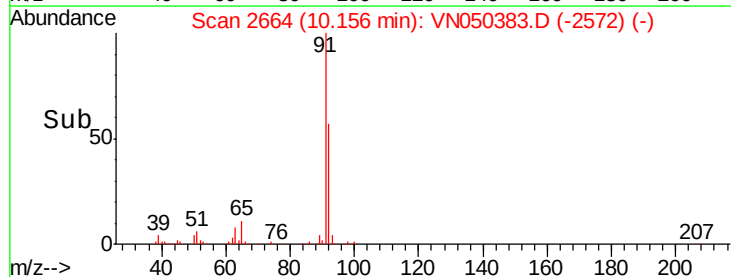
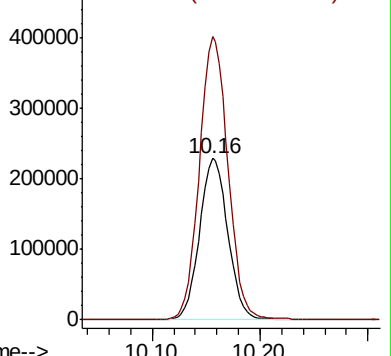
92 100

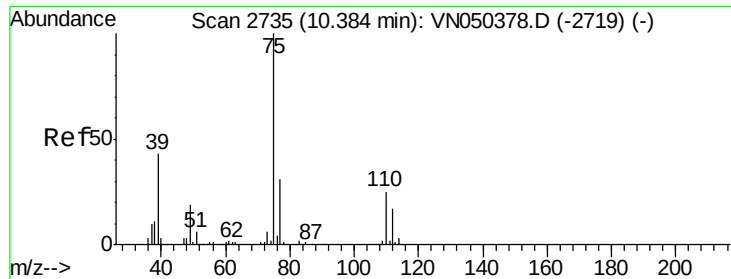
91 177.4 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





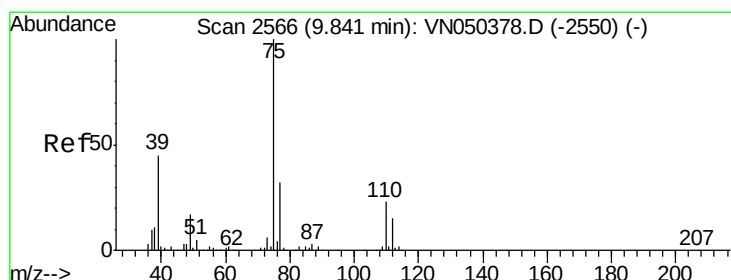
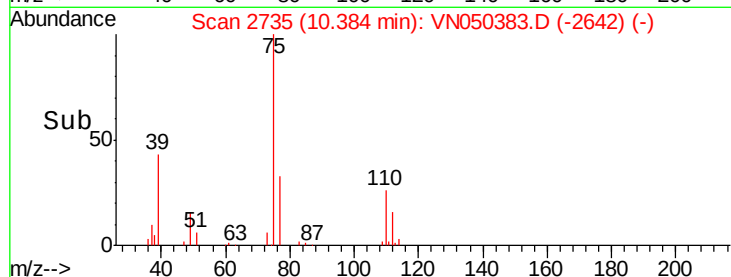
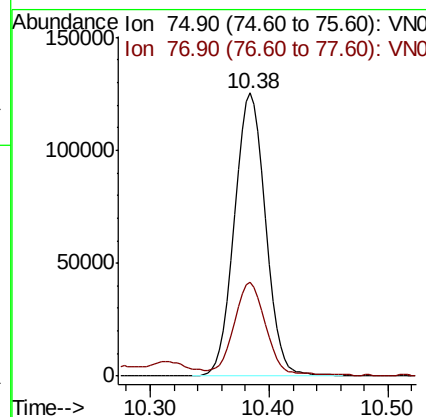
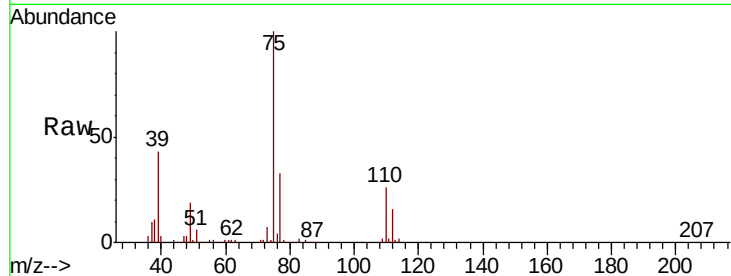
#53
t-1,3-Dichloropropene
Concen: 20.26 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.9	37.3

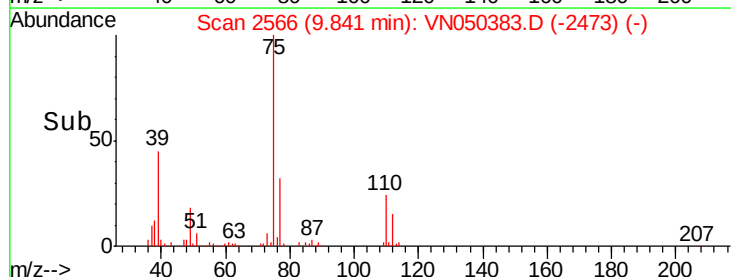
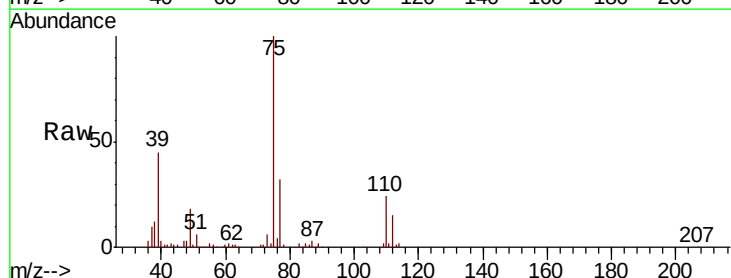
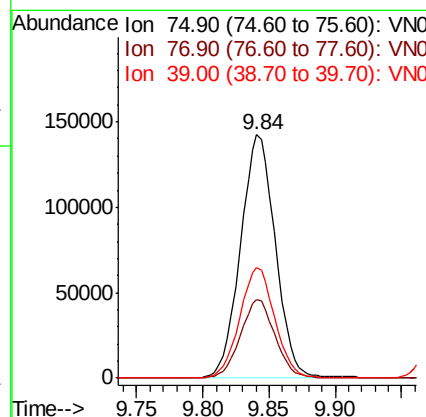
Manual Integrations
APPROVED

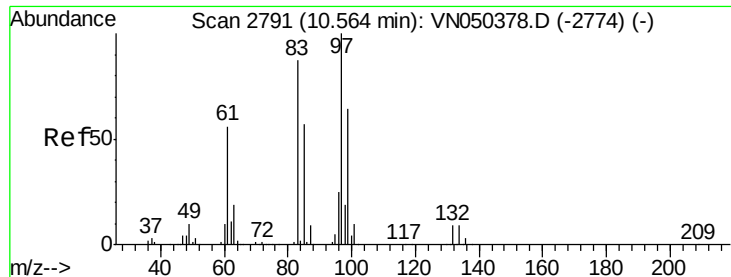
MMDadoda
8/7/2018 9:58:52 AM



#54
cis-1,3-Dichloropropene
Concen: 20.74 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3
39	45.3	36.6	55.0





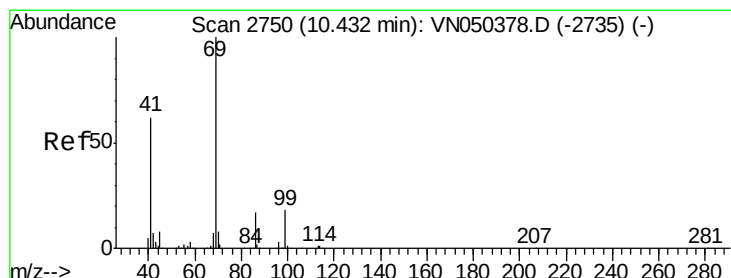
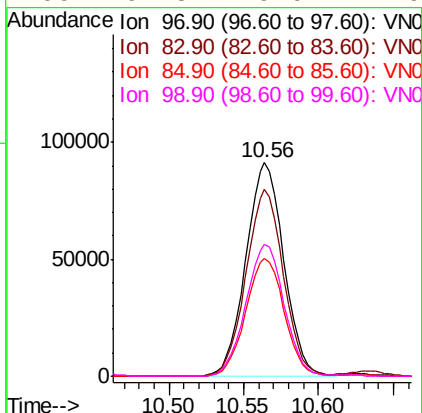
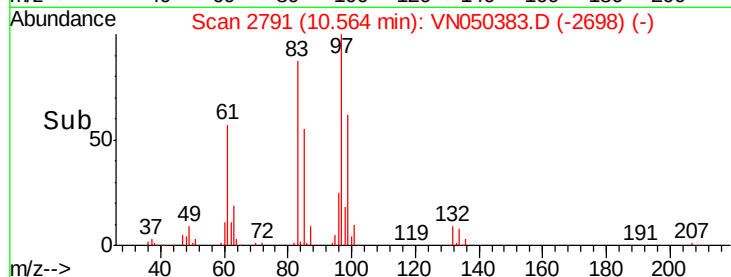
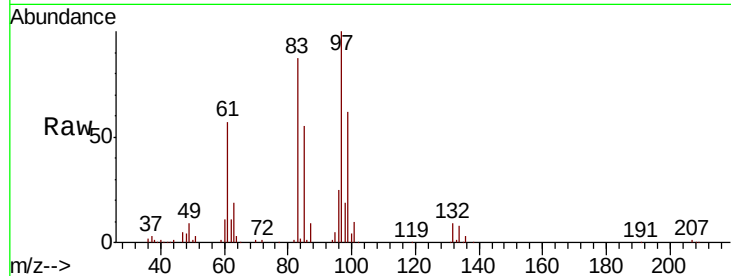
#55
 1,1,2-Trichloroethane
 Concen: 20.59 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	160826		
83	87.4	69.2	103.8	
85	55.3	44.0	66.0	
99	61.8	49.9	74.9	

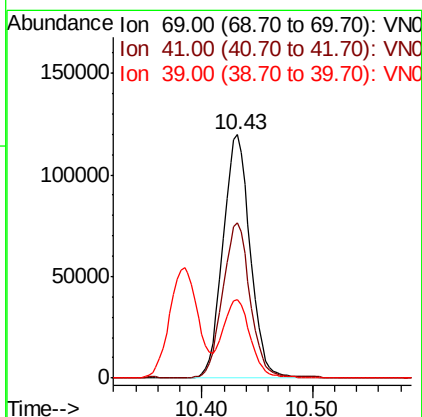
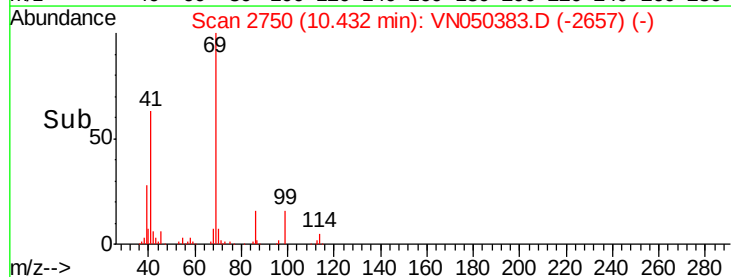
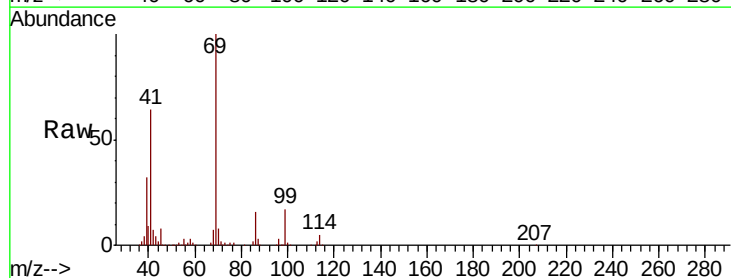
Manual Integrations
 APPROVED

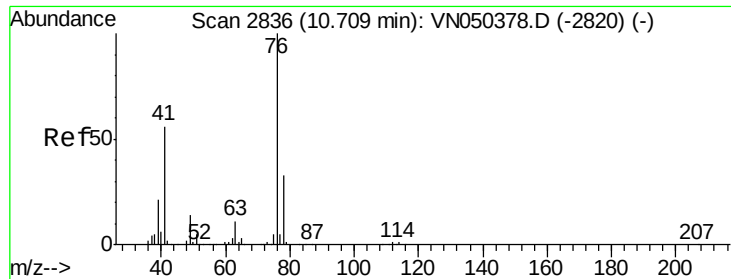
MMDadoda
 8/7/2018 9:58:52 AM



#56
 Ethyl methacrylate
 Concen: 19.67 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	205549		
41	63.4	51.0	76.4	
39	32.6	26.6	40.0	





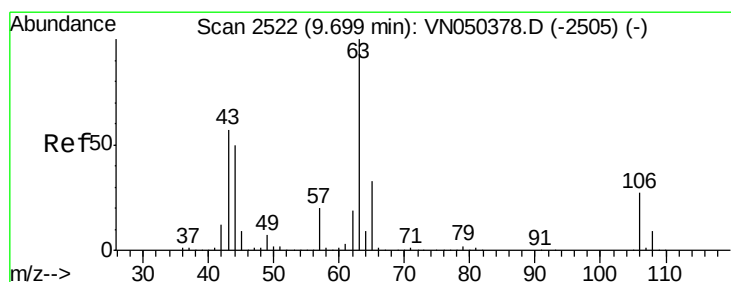
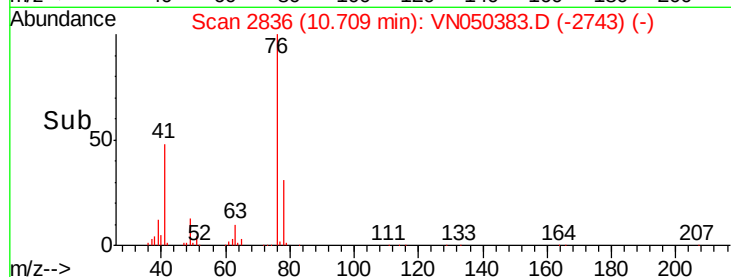
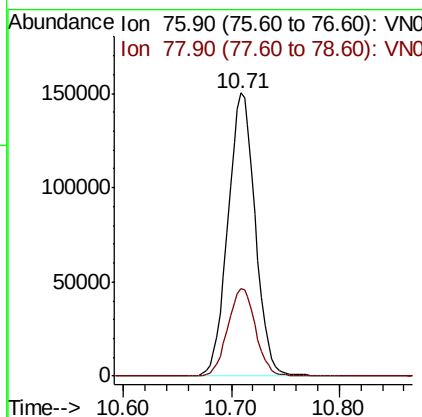
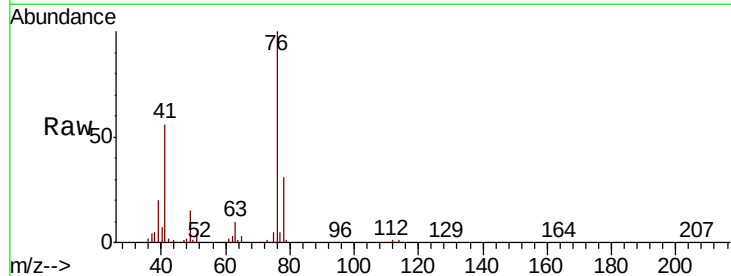
#57
 1,3-Dichloropropane
 Concen: 20.67 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion: 76 Resp: 265090
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5

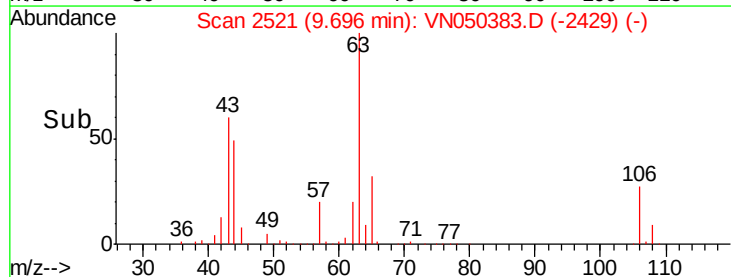
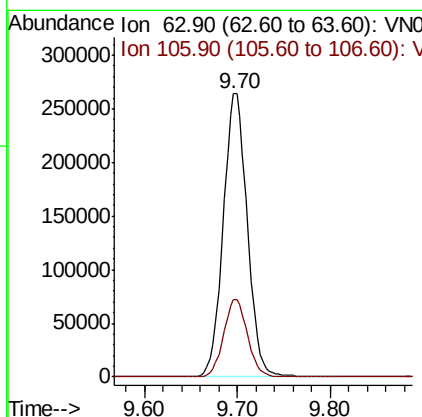
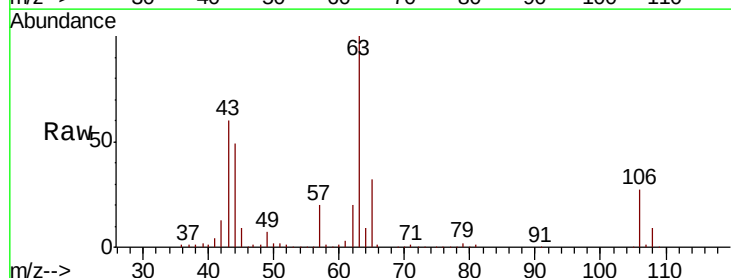
Manual Integrations
 APPROVED

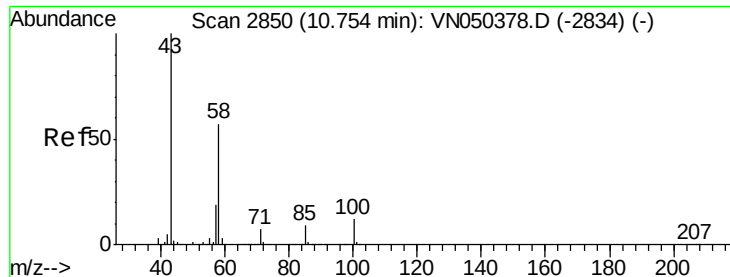
MMDadoda
 8/7/2018 9:58:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.80 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion: 63 Resp: 474700
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5





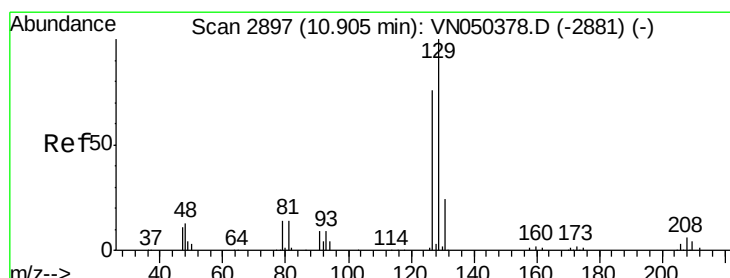
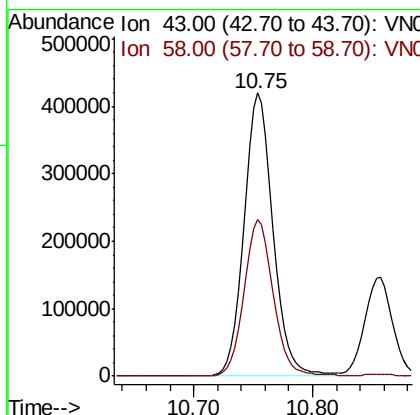
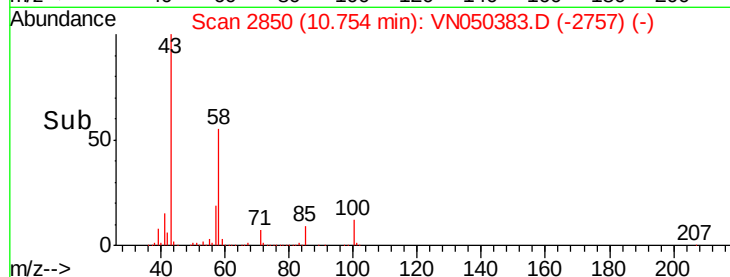
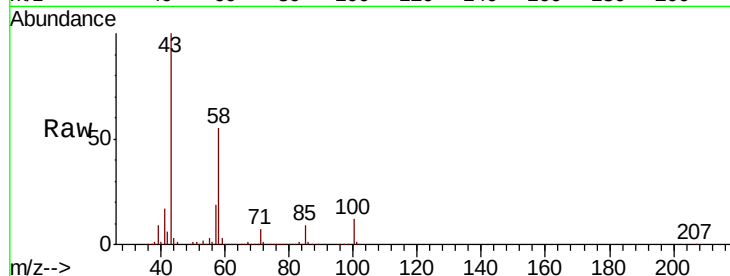
#59
2-Hexanone
Concen: 104.15 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion: 43 Resp: 705126
Ion Ratio Lower Upper
43 100
58 55.8 27.6 82.7

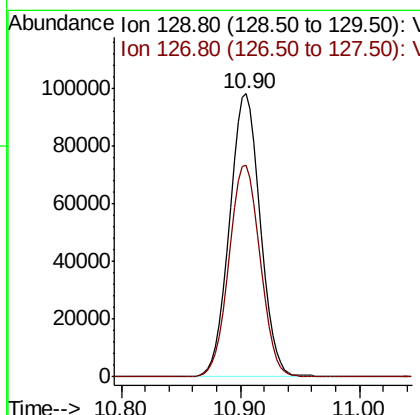
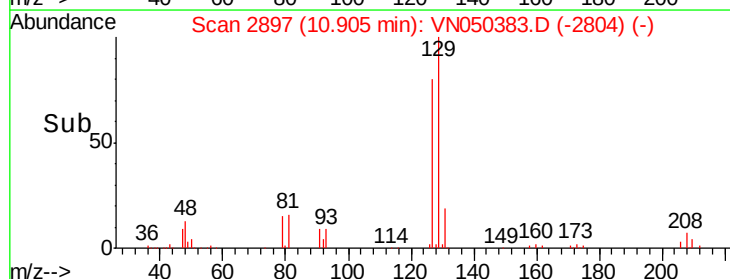
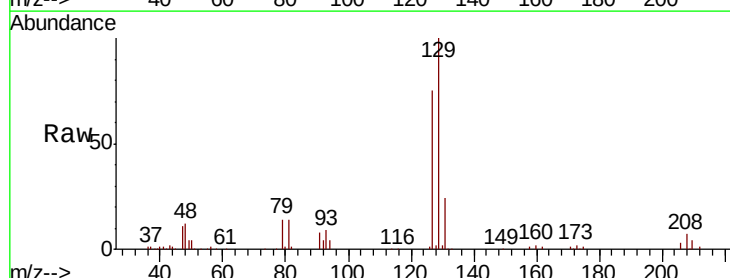
Manual Integrations
APPROVED

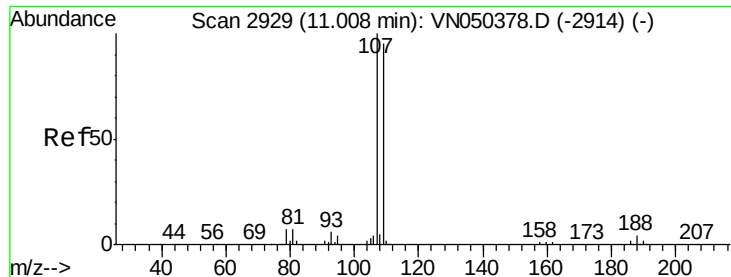
MMDadoda
8/7/2018 9:58:52 AM



#60
Dibromochloromethane
Concen: 20.45 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion: 129 Resp: 175993
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.91 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS01

Tot Ion: 107 Resp: 160972

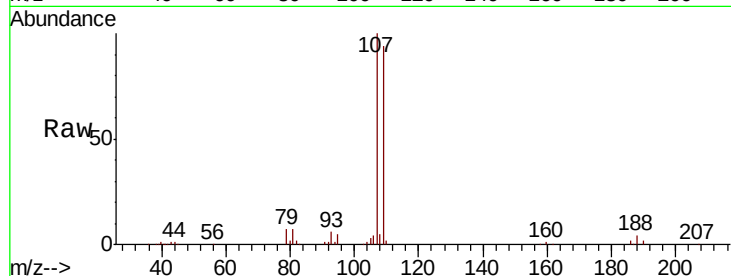
Ion Ratio Lower Upper

107 100

109 93.6 74.6 112.0

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

100000

80000

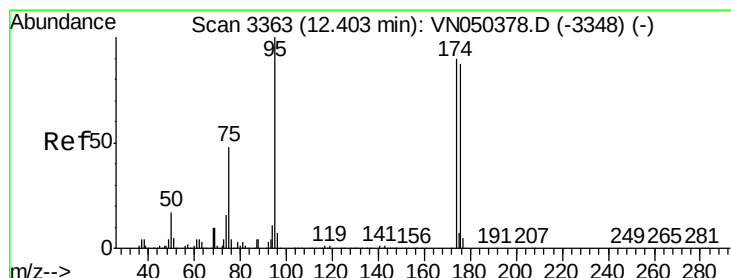
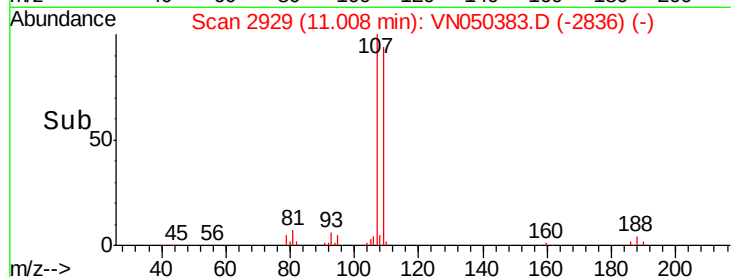
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.21 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

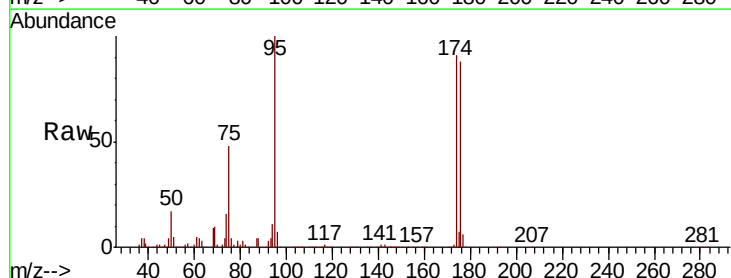
Tgt Ion: 95 Resp: 488790

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.2

176 87.0 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

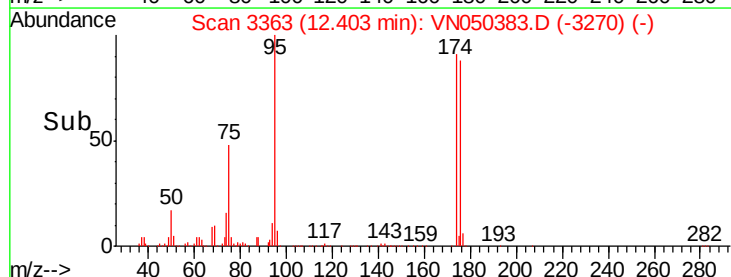
300000

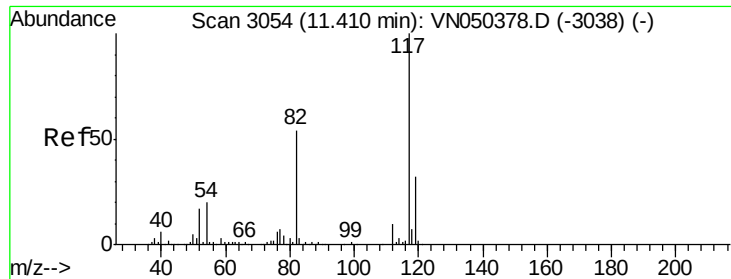
200000

100000

0

Time-->





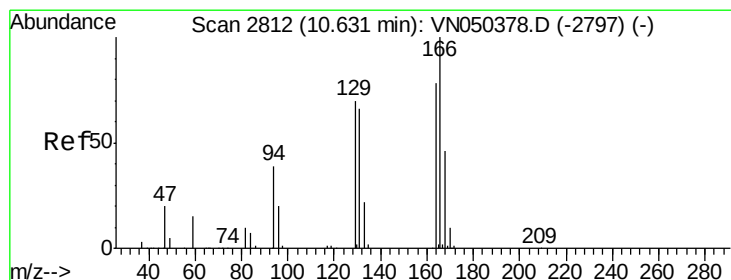
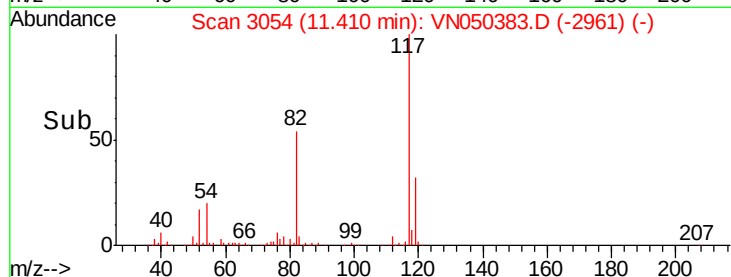
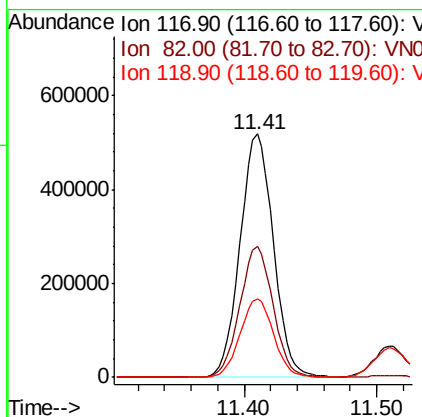
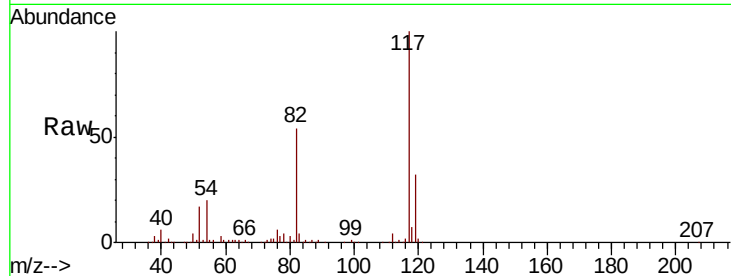
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	907121		
82	53.7		43.7	65.5
119	32.4		26.1	39.1

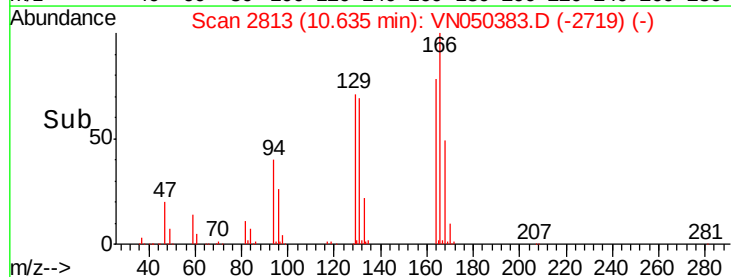
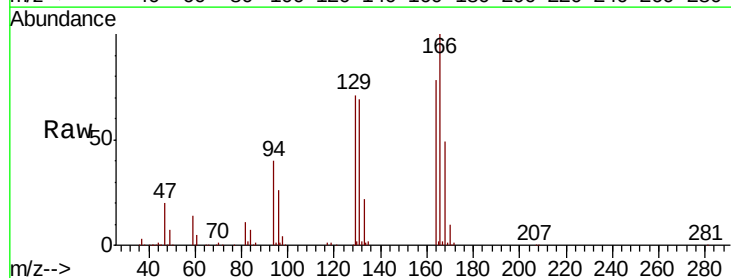
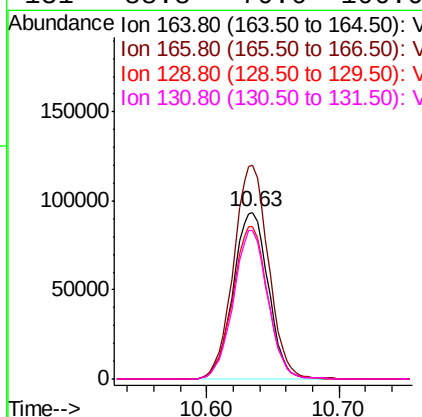
Manual Integrations
APPROVED

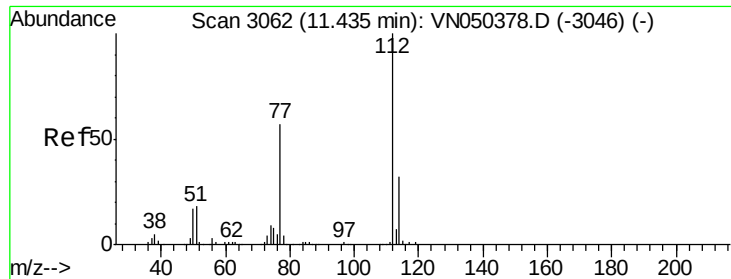
MMDadoda
8/7/2018 9:58:52 AM



#64
Tetrachloroethene
Concen: 20.32 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	172191		
166	128.1		102.1	153.1
129	91.3		73.2	109.8
131	88.8		70.6	106.0





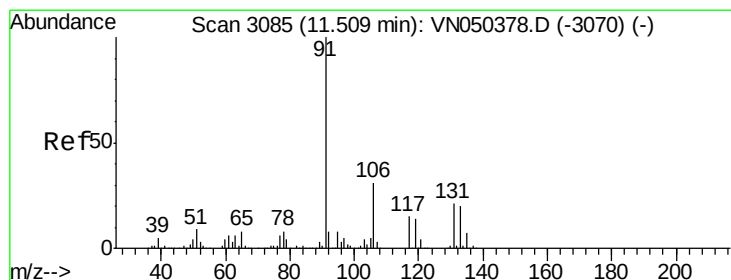
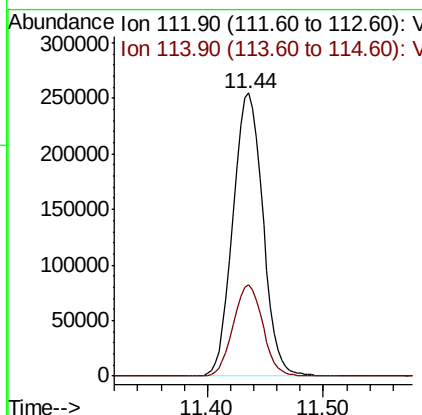
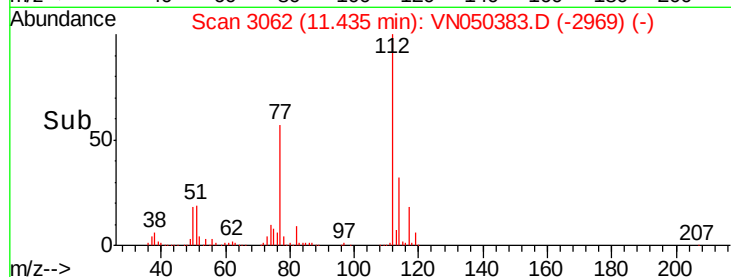
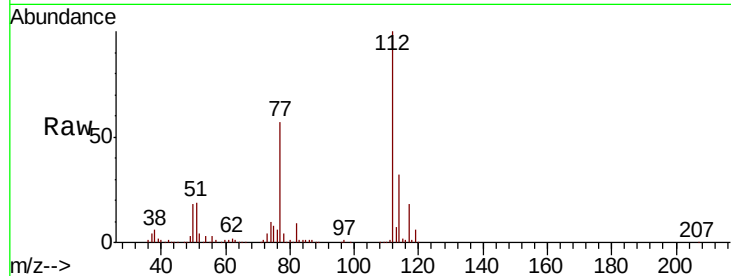
#65
Chlorobenzene
Concen: 19.99 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.6	38.4

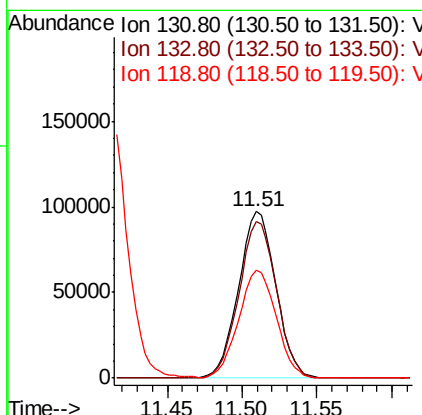
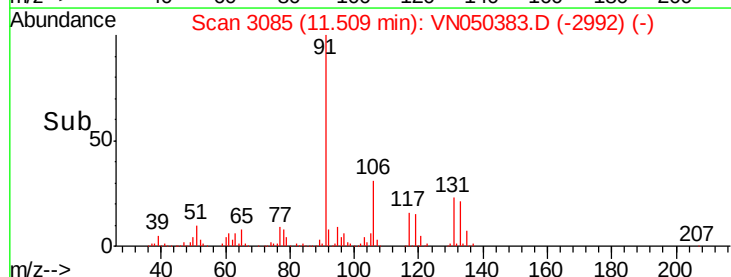
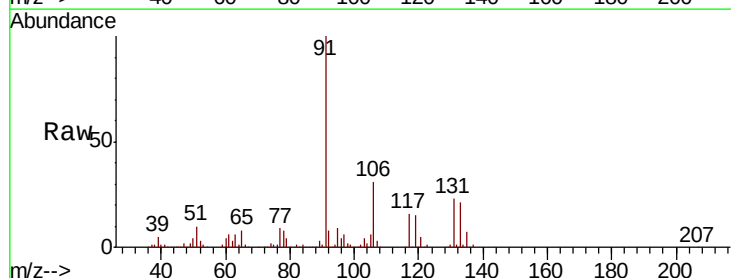
Manual Integrations
APPROVED

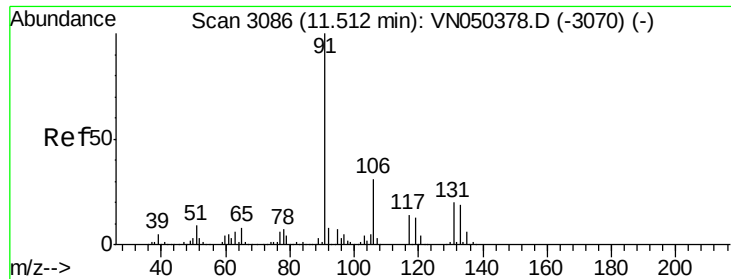
MMDadoda
8/7/2018 9:58:52 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.36 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.9
119	65.6	32.9	98.7





#67

Ethyl Benzene

Concen: 20.63 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

Tot Ion: 91 Resp: 758272

Ion Ratio Lower Upper

91 100

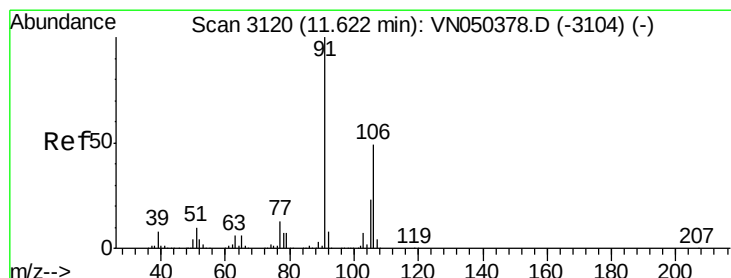
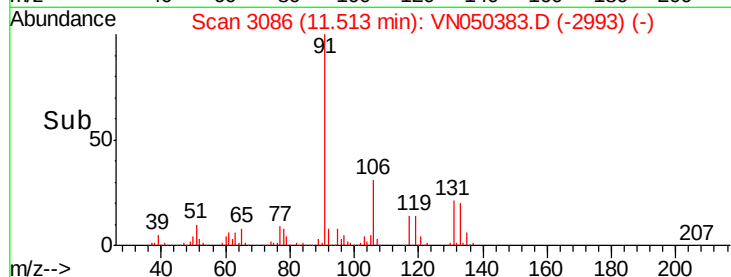
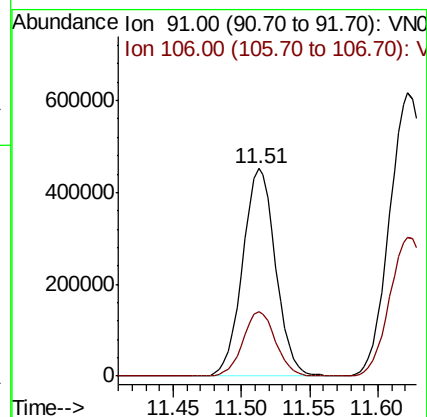
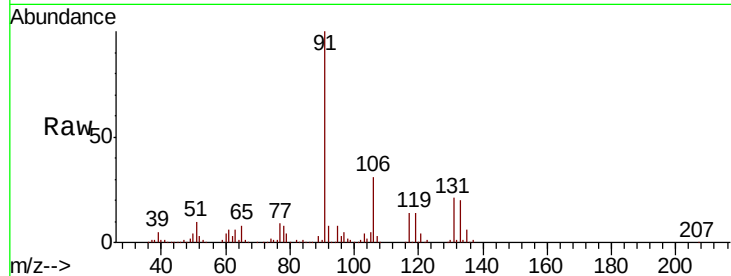
106 31.3 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

8/7/2018 9:58:52 AM



#68

m/p-Xylenes

Concen: 42.29 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050383.D

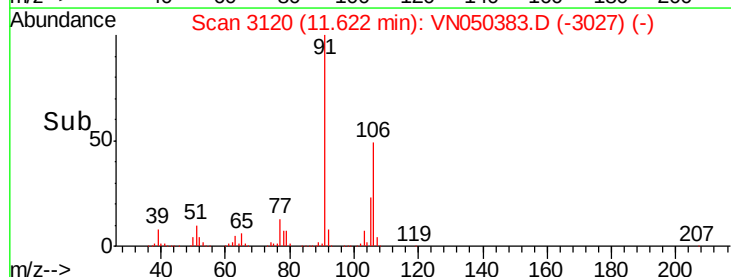
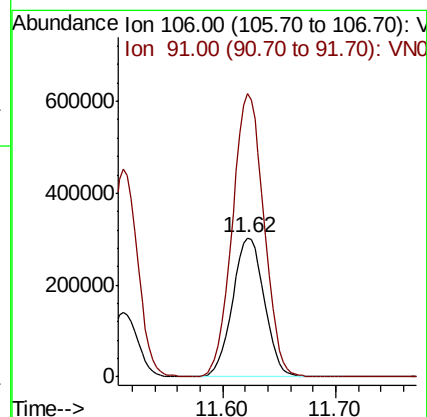
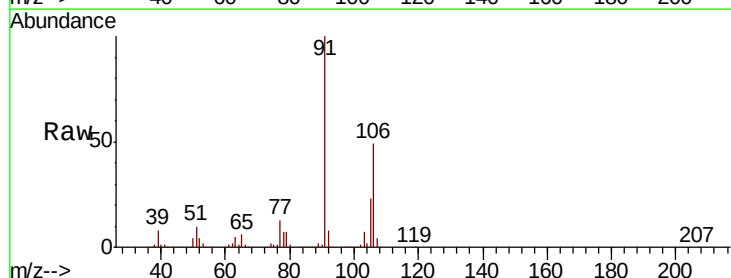
Acq: 6 Aug 2018 15:01

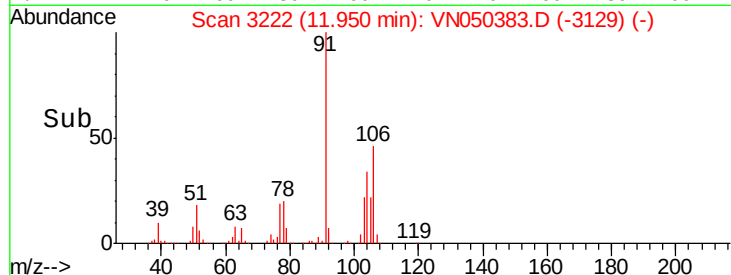
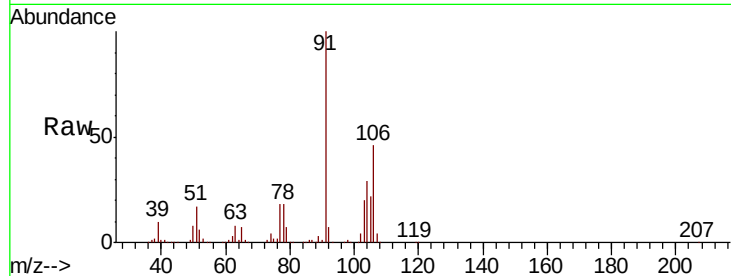
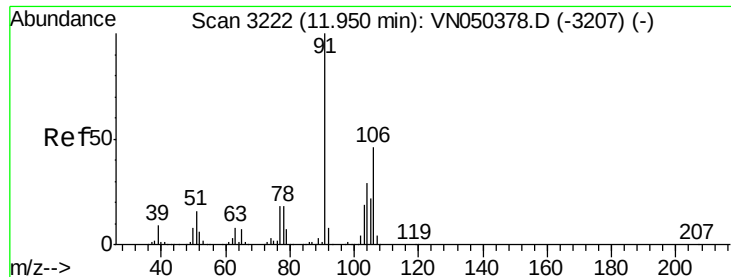
Tgt Ion: 106 Resp: 591811

Ion Ratio Lower Upper

106 100

91 202.3 162.2 243.2





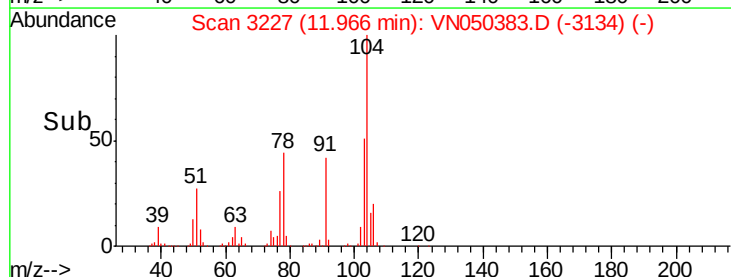
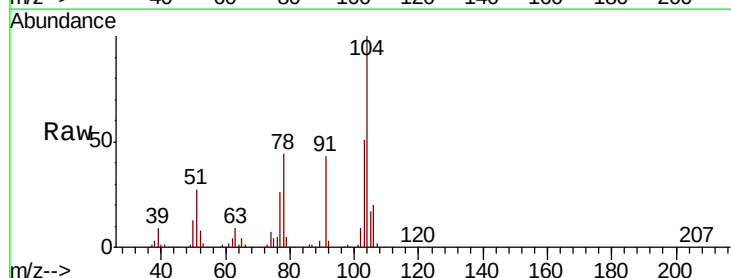
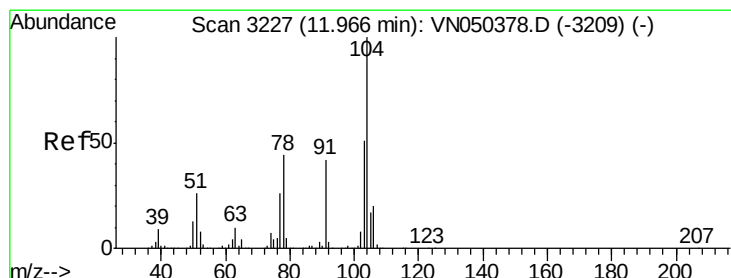
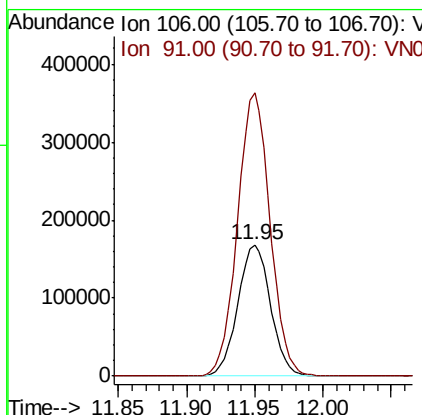
#69
o-Xylene
Concen: 20.82 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tot Ion:106 Resp: 280608
Ion Ratio Lower Upper
106 100
91 214.4 107.7 323.1

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

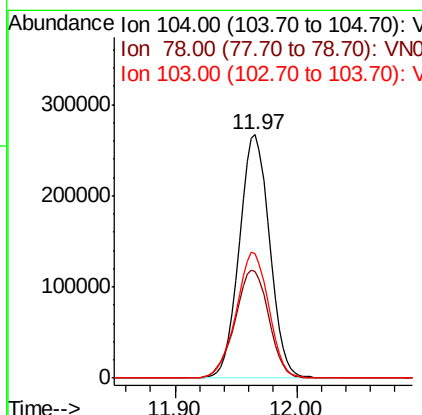
Manual Integrations
APPROVED

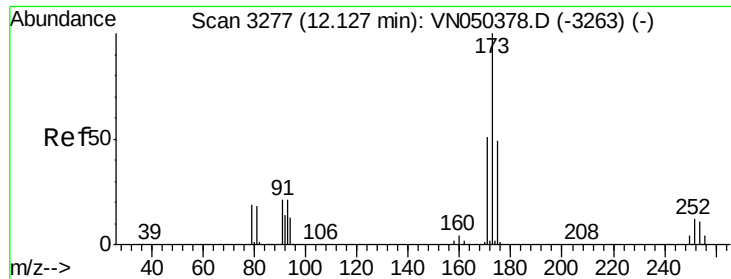
MMDadoda
8/7/2018 9:58:52 AM



#70
Styrene
Concen: 20.87 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion:104 Resp: 457508
Ion Ratio Lower Upper
104 100
78 49.7 39.3 58.9
103 56.0 45.0 67.6





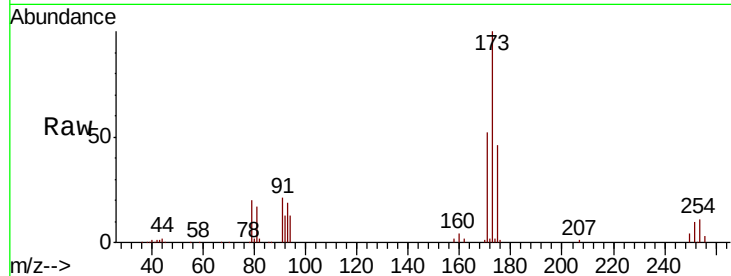
#71
Bromoform
Concen: 20.51 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM

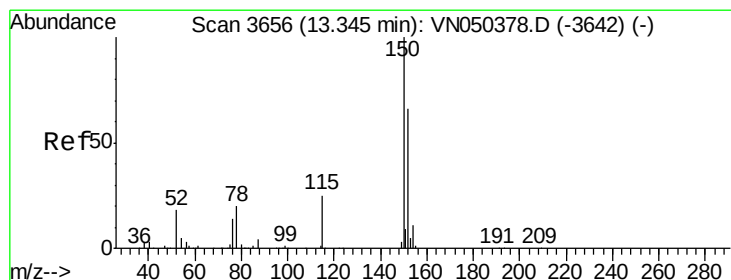
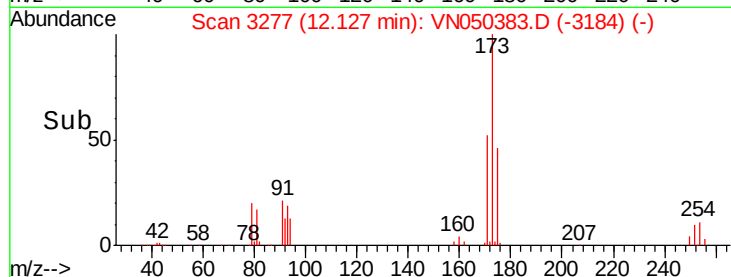
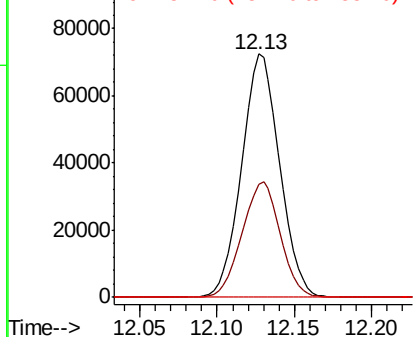


Abundance

Ion 172.70 (172.40 to 173.40): V

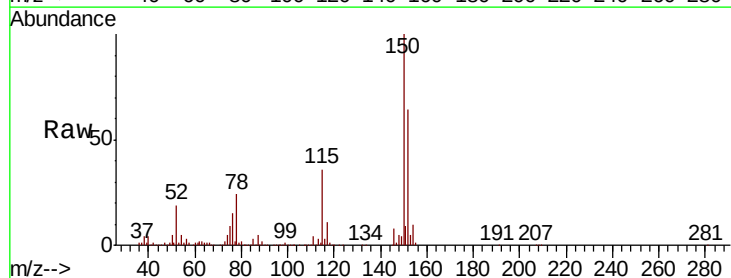
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.8	83.3
150	163.5	0.0	348.6

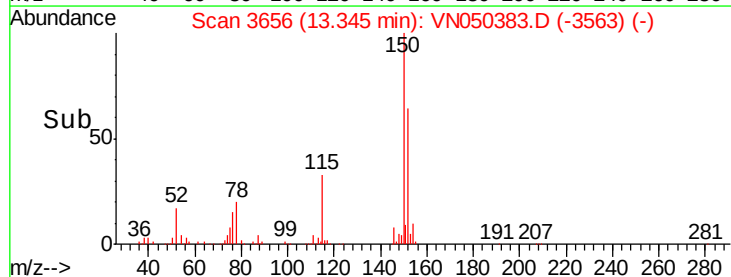
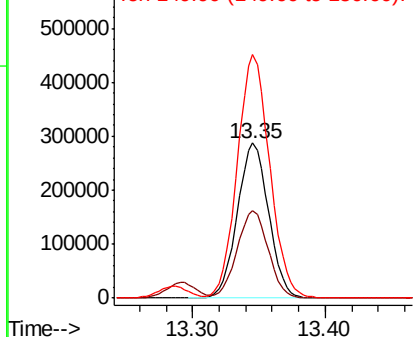


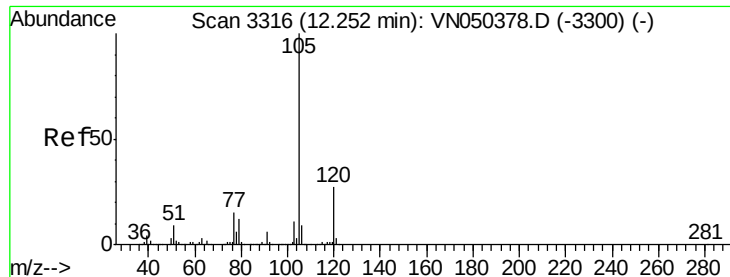
Abundance

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: 21.15 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS01

Tot Ion: 105 Resp: 745165

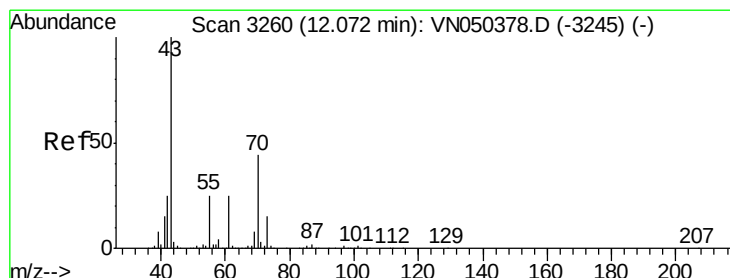
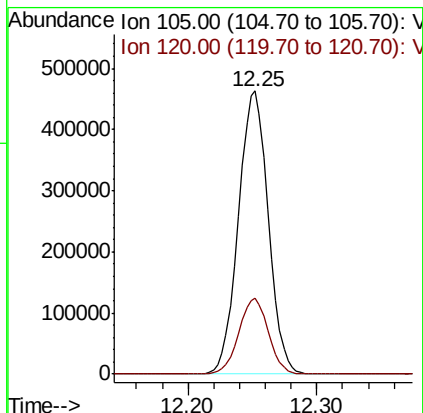
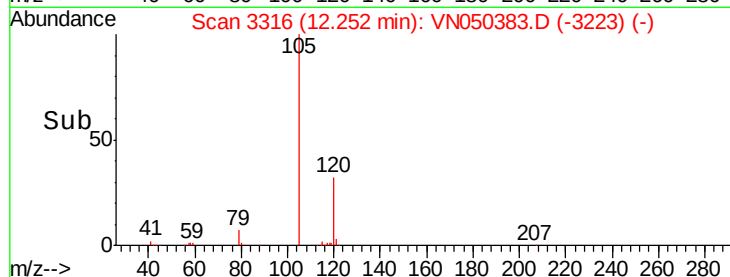
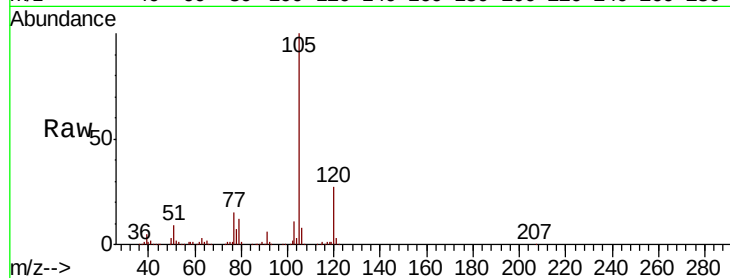
Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



#74

N-ethyl acetate

Concen: 20.70 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Tgt Ion: 43 Resp: 236370

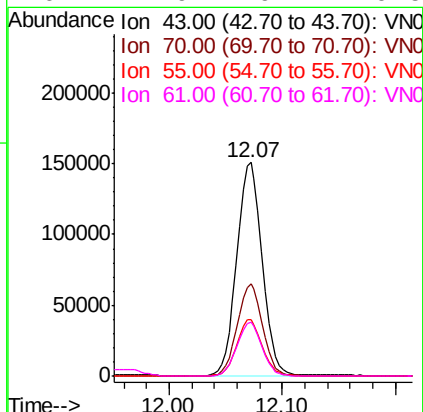
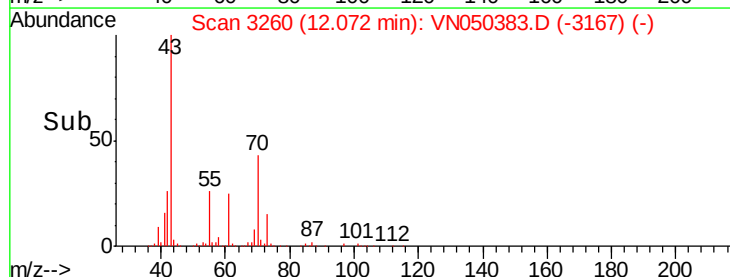
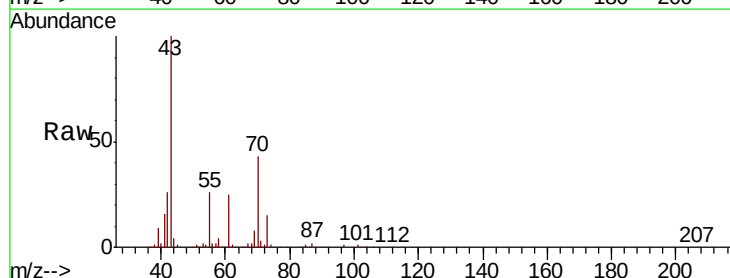
Ion Ratio Lower Upper

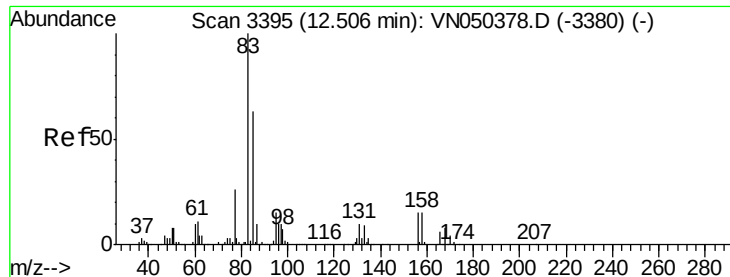
43 100

70 43.0 34.4 51.6

55 26.3 20.8 31.2

61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.53 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

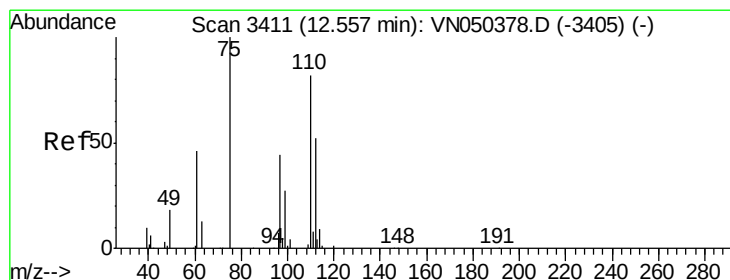
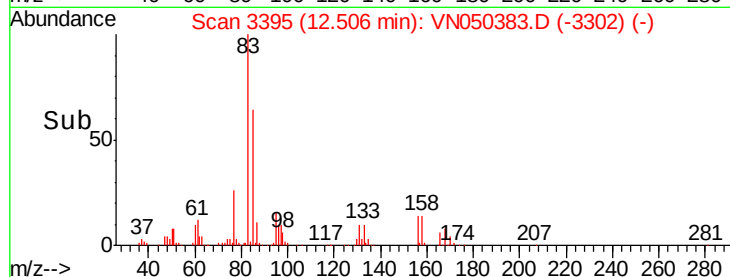
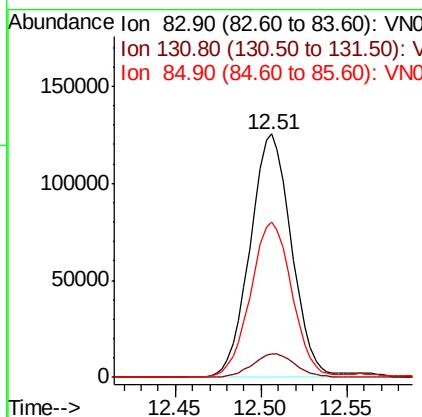
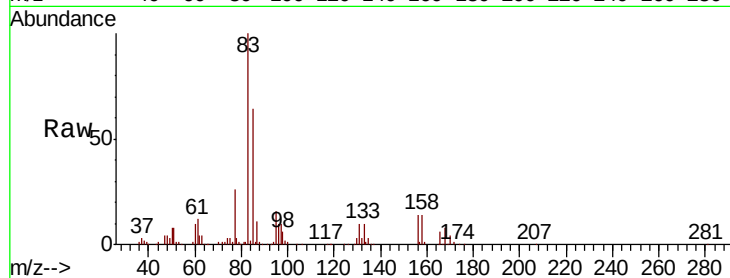
ClientSampleId :

VN0806WBS01

Tot Ion:	83	Resp:	208687
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	64.4	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



#76

1,2,3-Trichloropropane

Concen: 20.96 ug/l m

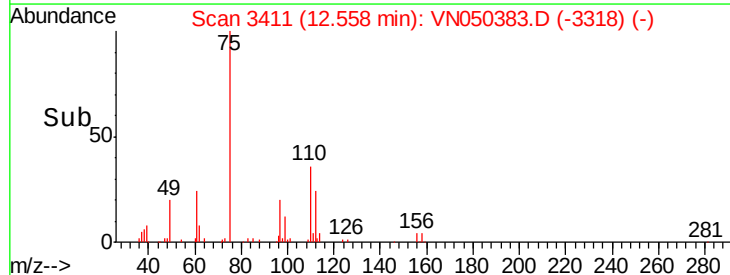
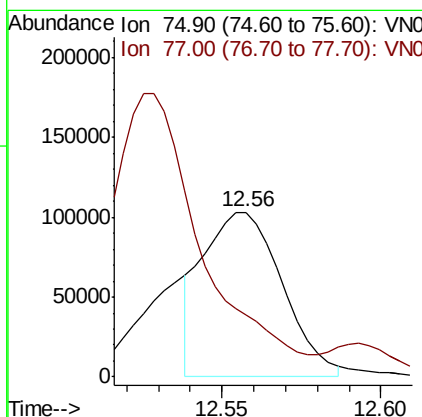
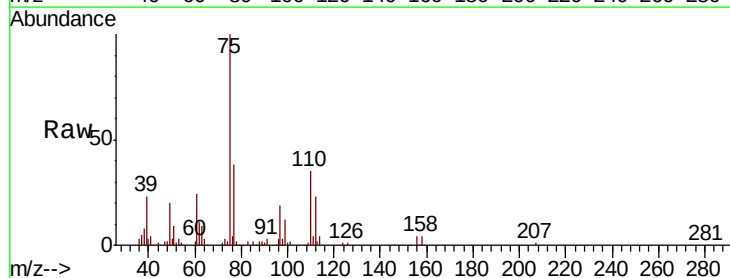
RT: 12.56 min Scan# 3411

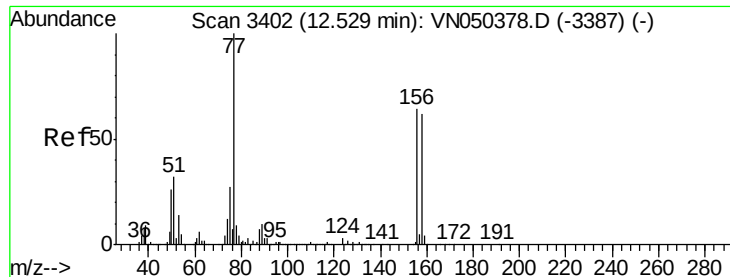
Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Tgt Ion:	75	Resp:	178020
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.78 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

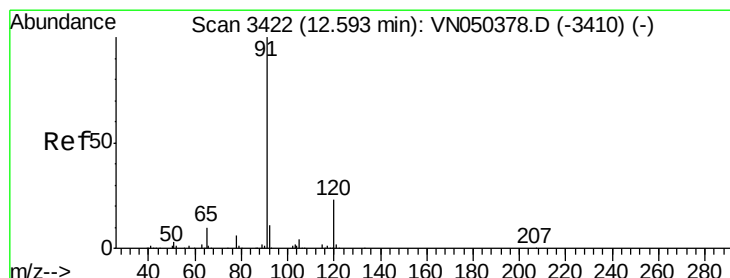
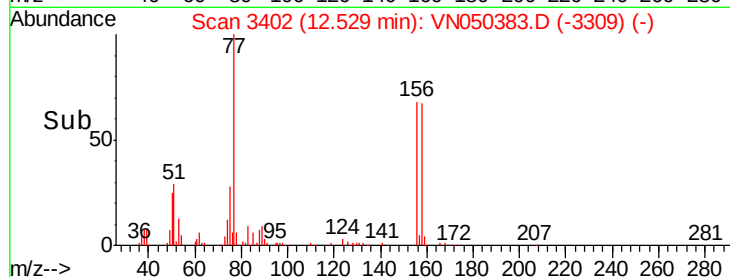
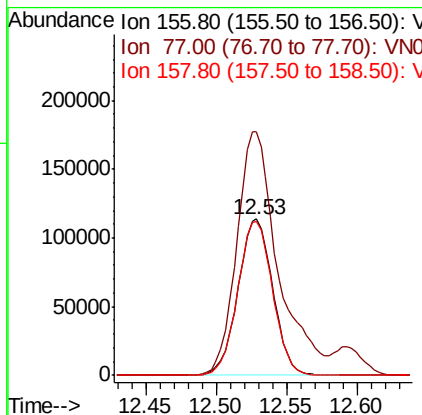
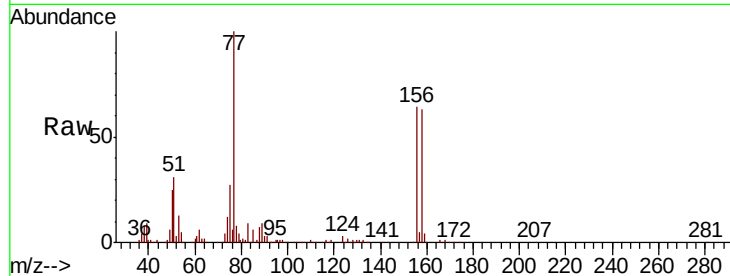
ClientSampleId :

VN0806WBS01

Tot Ion:	156	Resp:	196145
Ion Ratio	Lower	Upper	
156	100		
77	184.8	91.7	275.1
158	98.7	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



#78

n-propylbenzene

Concen: 21.39 ug/l

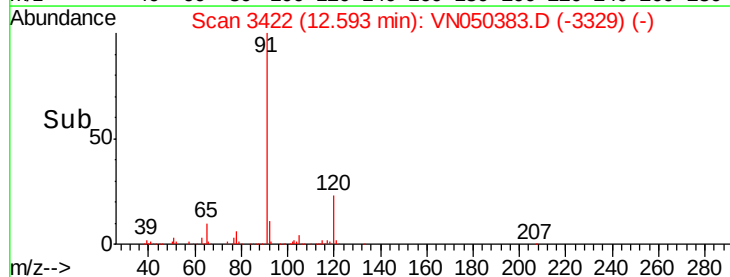
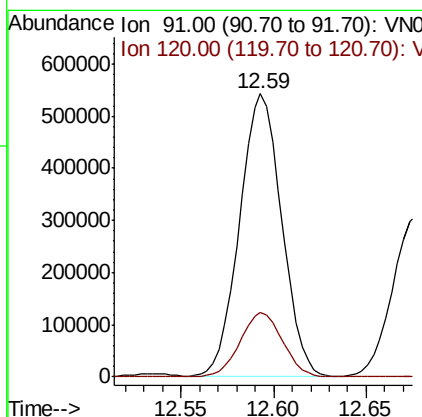
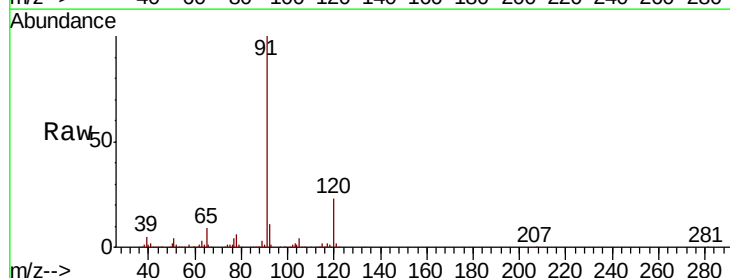
RT: 12.59 min Scan# 3422

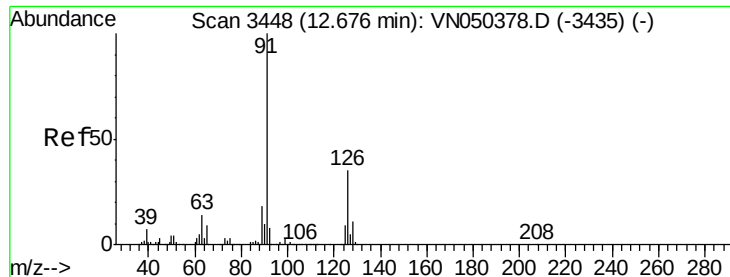
Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Tgt Ion:	91	Resp:	852805
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.6	34.7





#79

2-Chlorotoluene

Concen: 21.04 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

Tot Ion: 91 Resp: 518052

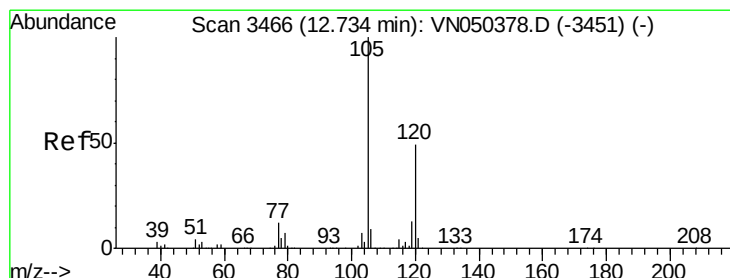
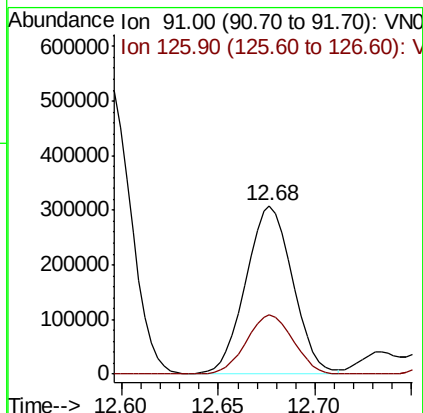
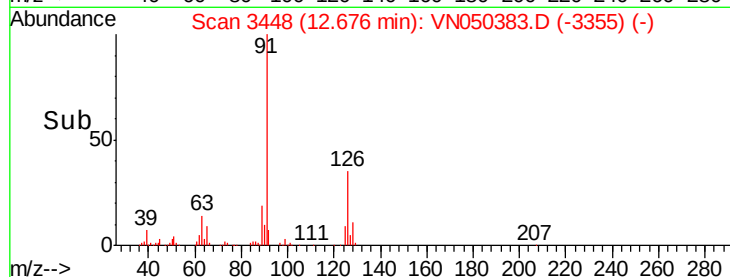
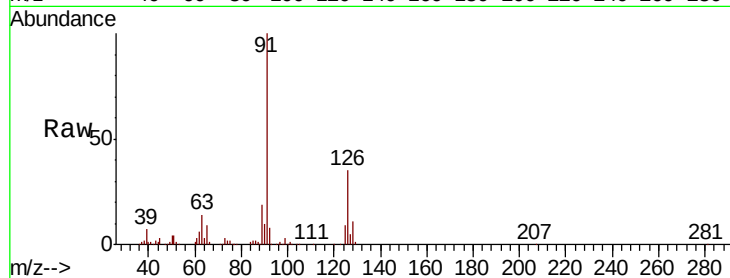
Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



#80

1,3,5-Trimethylbenzene

Concen: 21.70 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050383.D

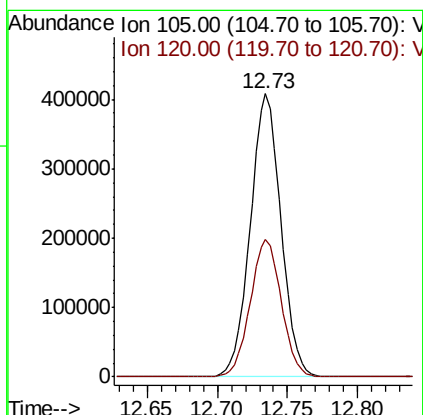
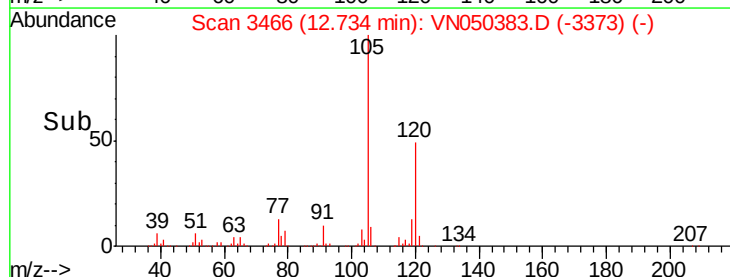
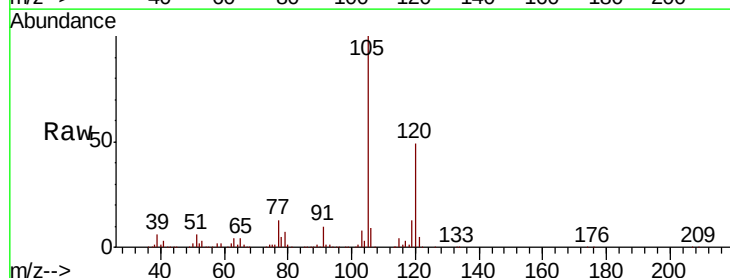
Acq: 6 Aug 2018 15:01

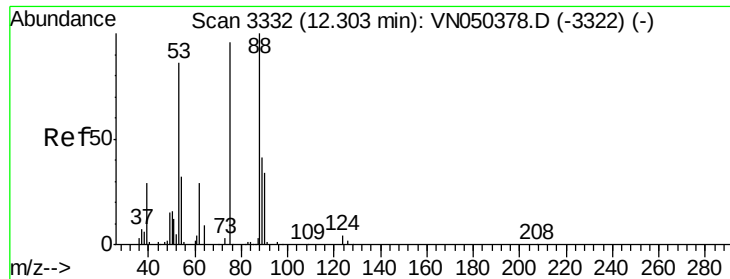
Tgt Ion: 105 Resp: 620388

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.29 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

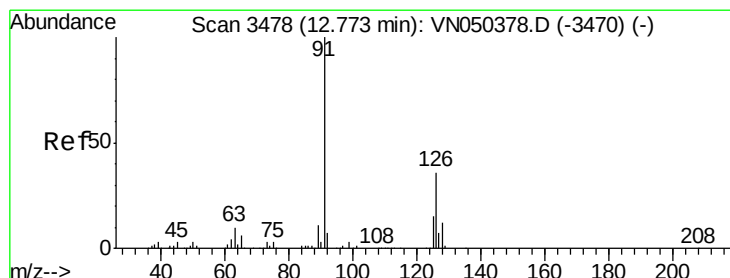
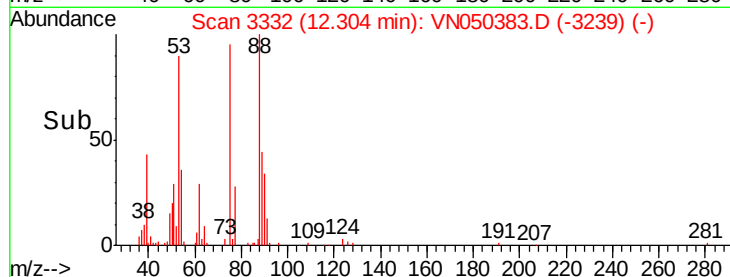
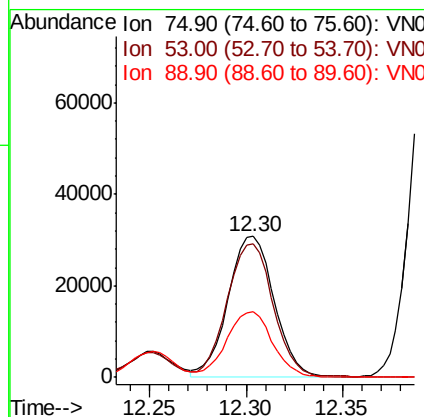
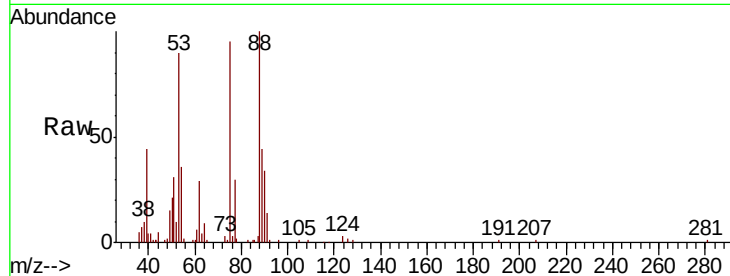
ClientSampleId :

VN0806WBS01

Tot Ion:	75	Resp:	51462
Ion	Ratio	Lower	Upper
75	100		
53	95.1	73.5	110.3
89	46.3	36.0	54.0

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



#82

4-Chlorotoluene

Concen: 20.97 ug/l

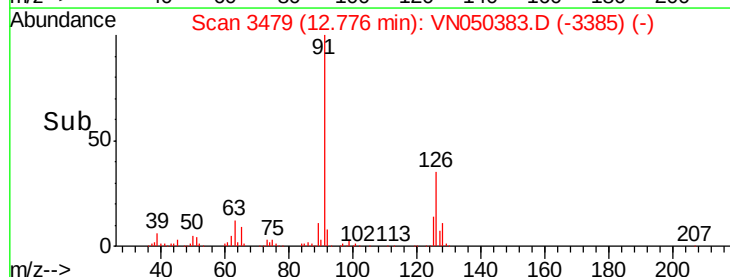
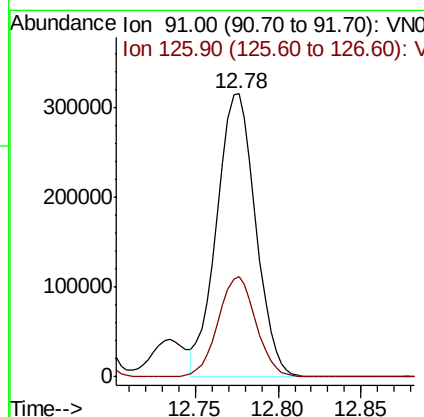
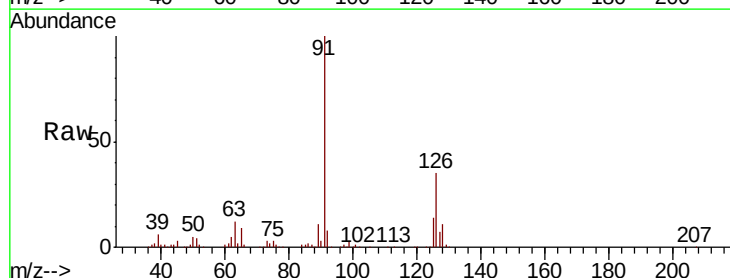
RT: 12.78 min Scan# 3479

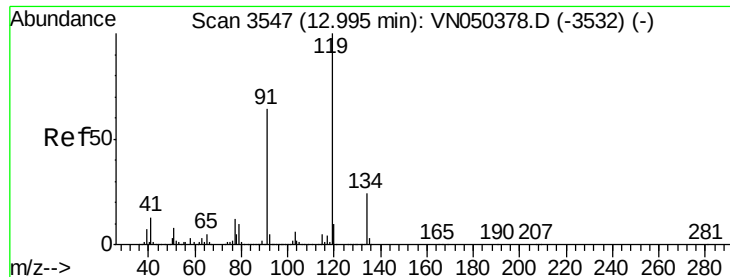
Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Tgt Ion:	91	Resp:	515043
Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	51.0





#83

tert-Butylbenzene

Concen: 21.05 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

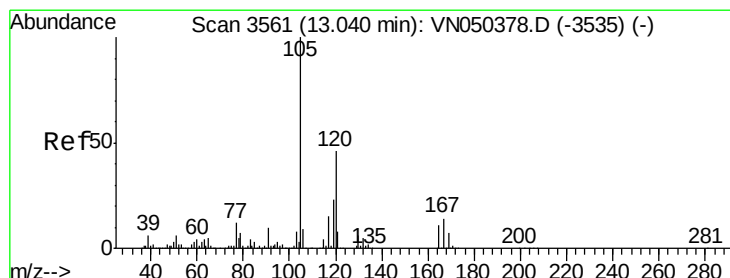
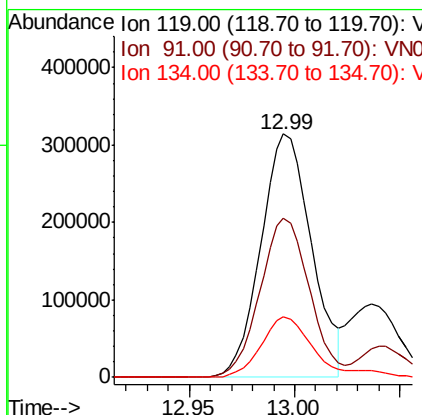
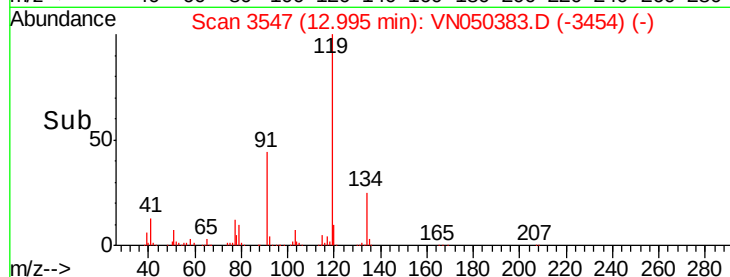
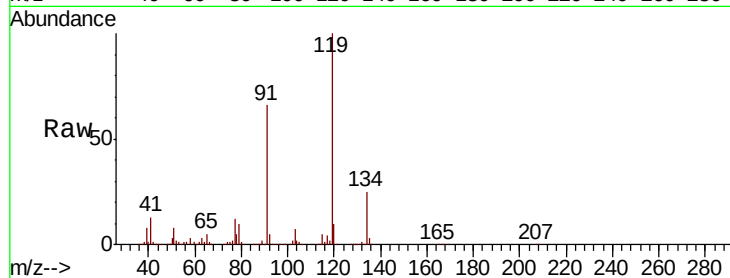
ClientSampleId :

VN0806WBS01

Tot Ion:	119	Resp:	525198
Ion Ratio	Lower	Upper	
119	100		
91	63.5	32.1	96.3
134	26.6	13.2	39.5

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



#84

1,2,4-Trimethylbenzene

Concen: 21.82 ug/l

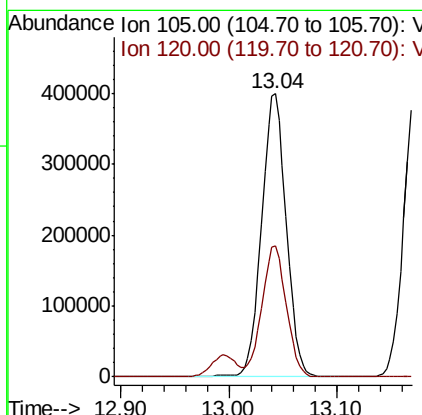
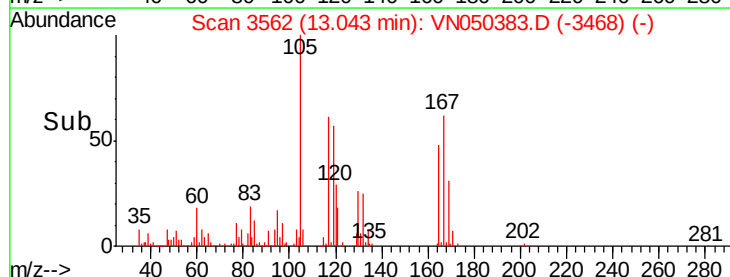
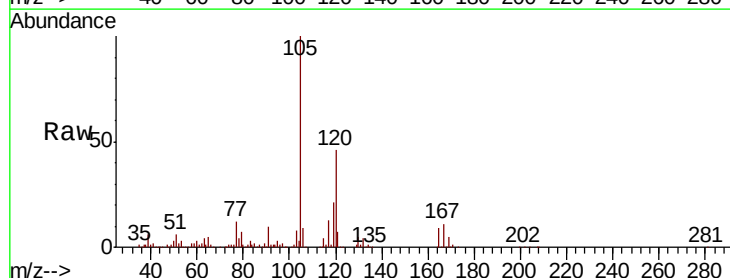
RT: 13.04 min Scan# 3562

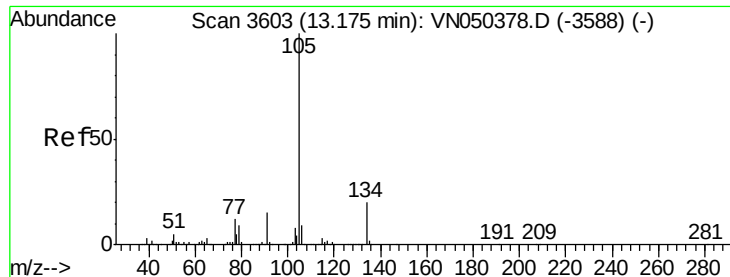
Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Tgt Ion:	105	Resp:	632037
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.99 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS01

Tot Ion:105 Resp: 697908

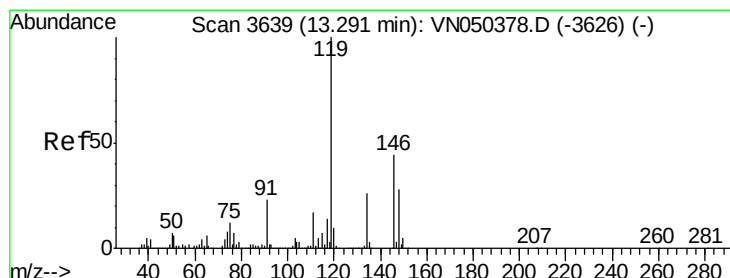
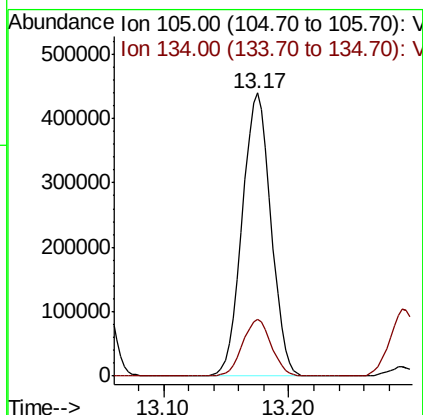
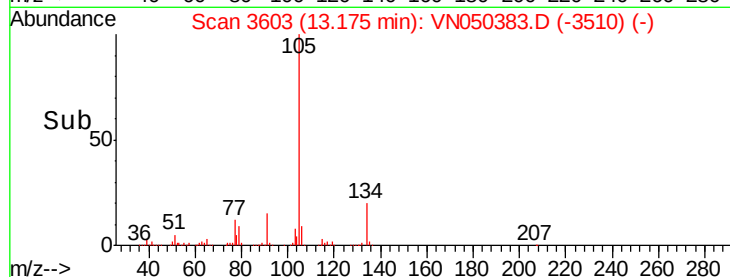
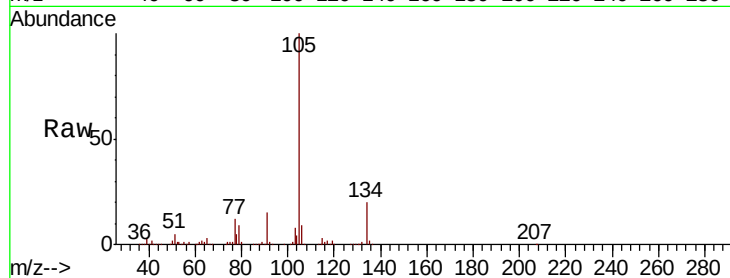
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



#86

p-Isopropyltoluene

Concen: 21.21 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

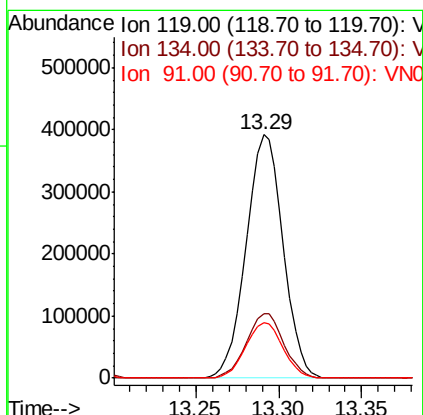
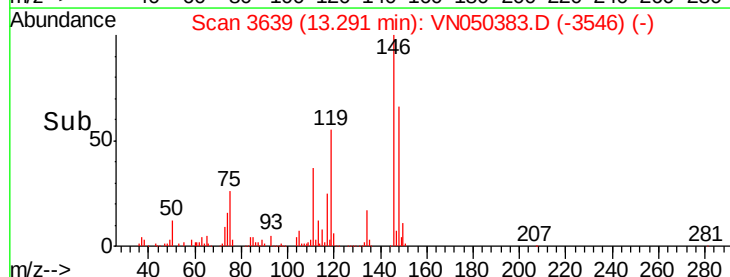
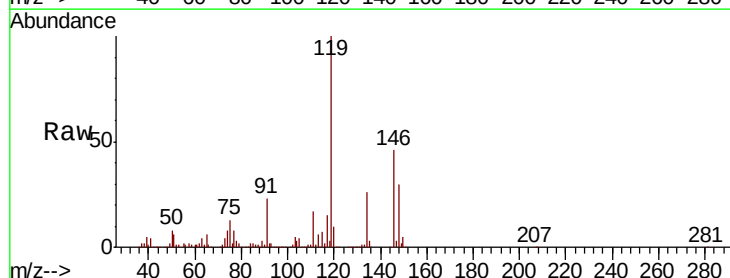
Tgt Ion:119 Resp: 604304

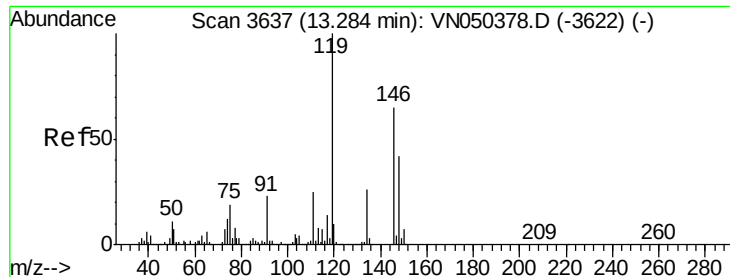
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.9 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.34 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

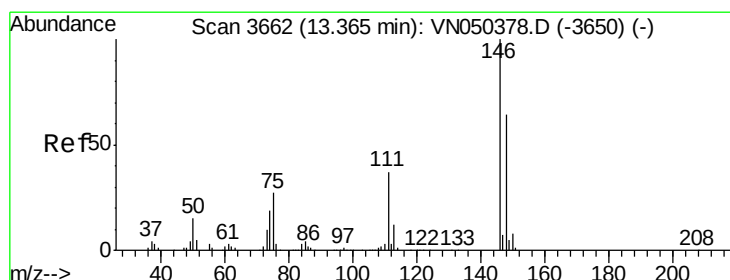
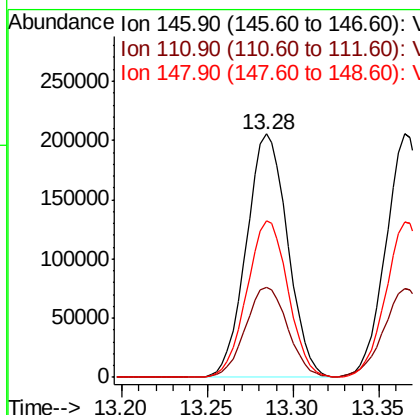
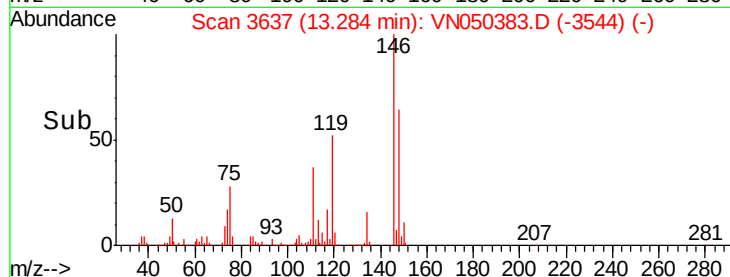
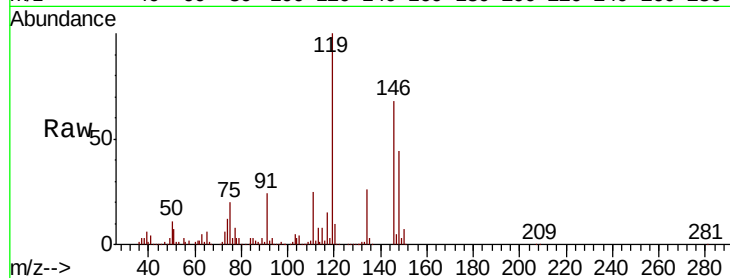
ClientSampled :

VN0806WBS01

Tot Ion:	146	Resp:	341951
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.8	56.4
148	64.2	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



#88

1,4-Dichlorobenzene

Concen: 19.71 ug/l

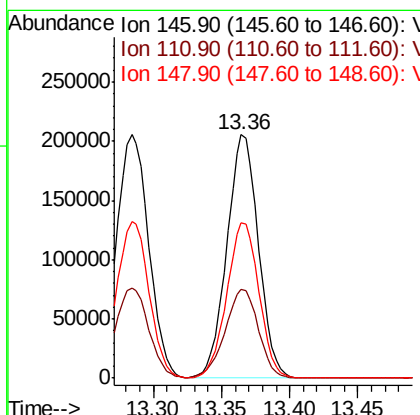
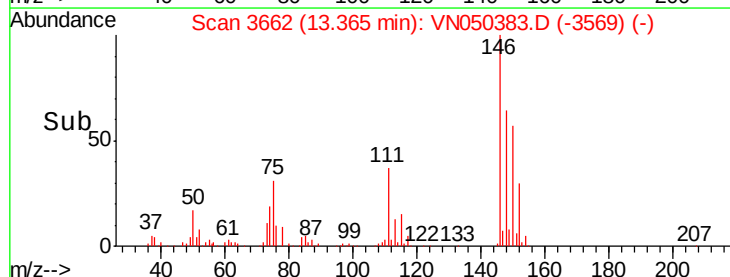
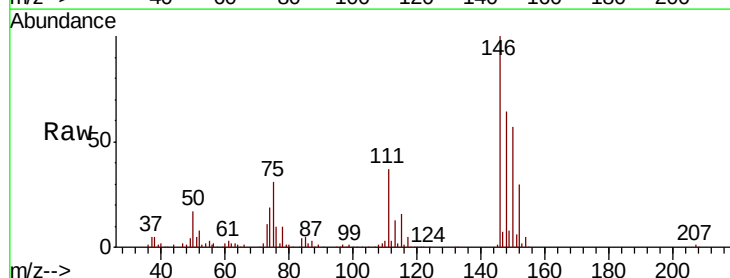
RT: 13.36 min Scan# 3662

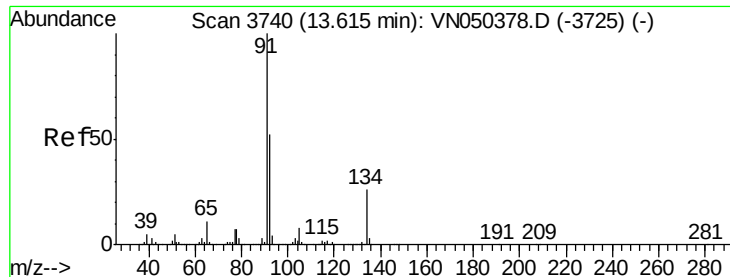
Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Tgt Ion:	146	Resp:	330802
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.3	54.9
148	65.0	31.9	95.9





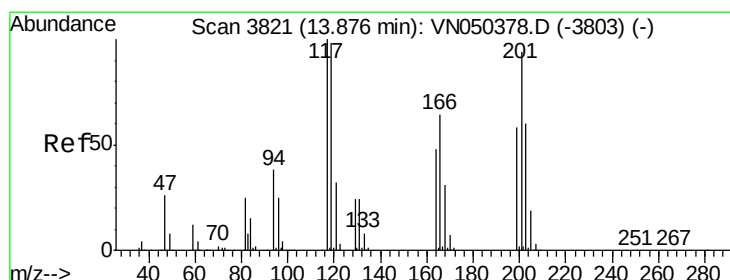
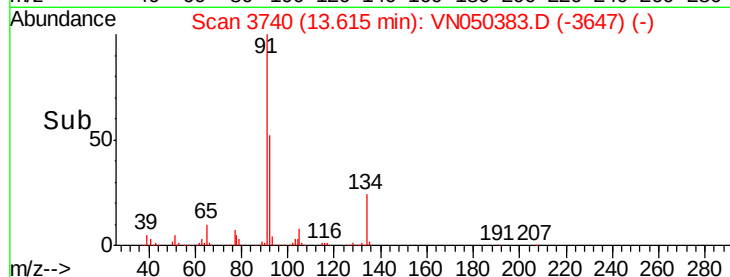
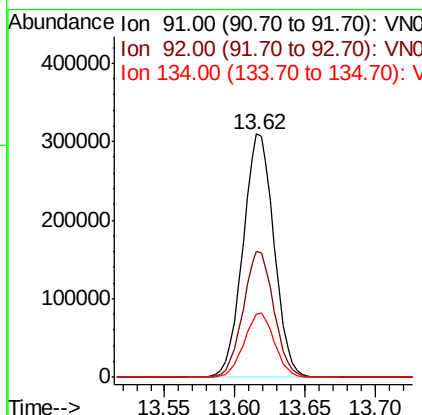
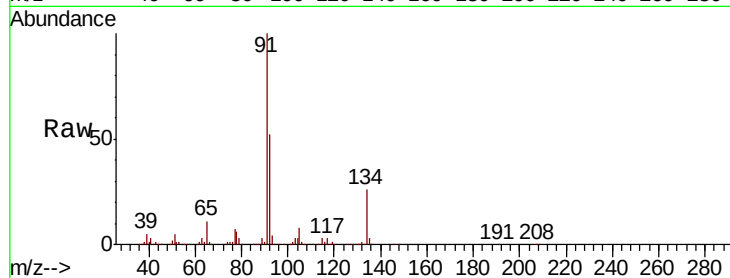
#89
n-Butylbenzene
Concen: 19.67 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.8	77.4
134	25.8	12.8	38.4

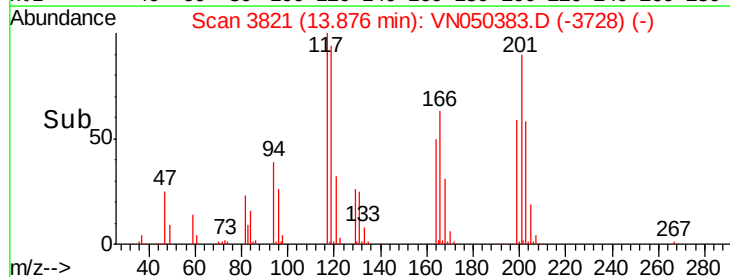
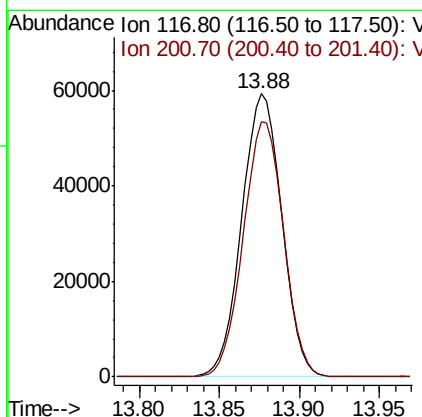
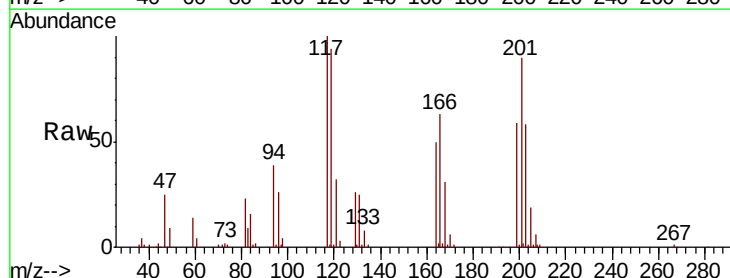
Manual Integrations
APPROVED

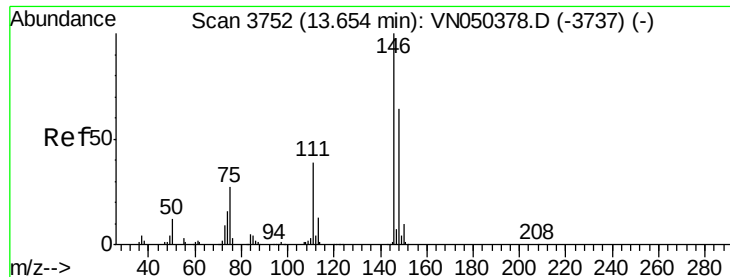
MMDadoda
8/7/2018 9:58:52 AM



#90
Hexachloroethane
Concen: 20.08 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.8	45.6	136.8





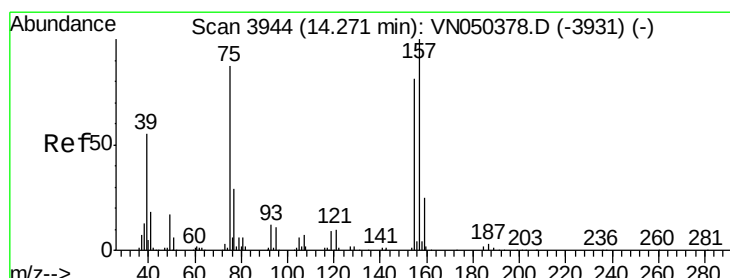
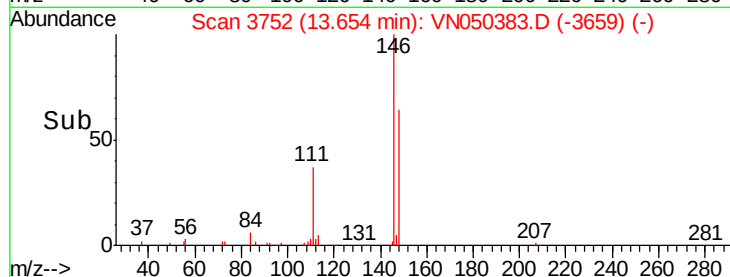
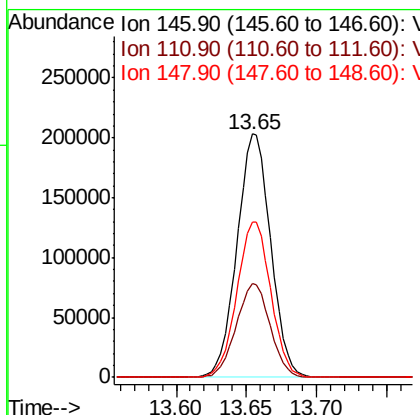
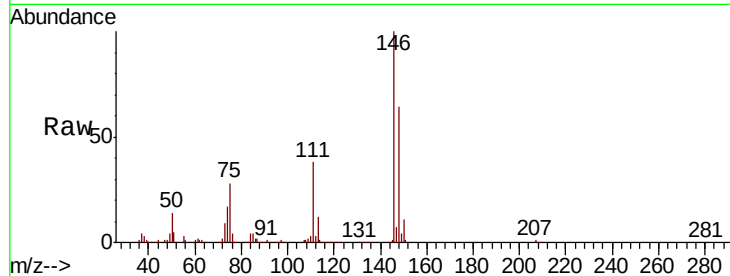
#91
 1,2-Dichlorobenzene
 Concen: 20.15 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	64.3	32.1	96.3

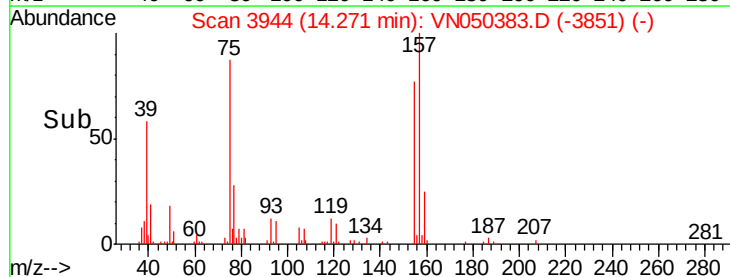
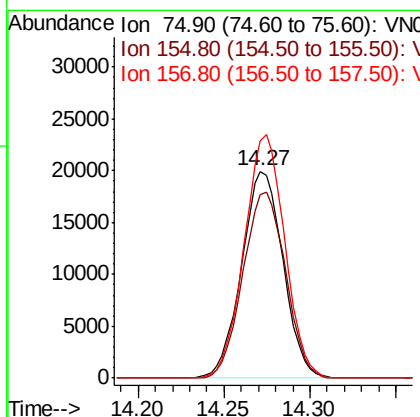
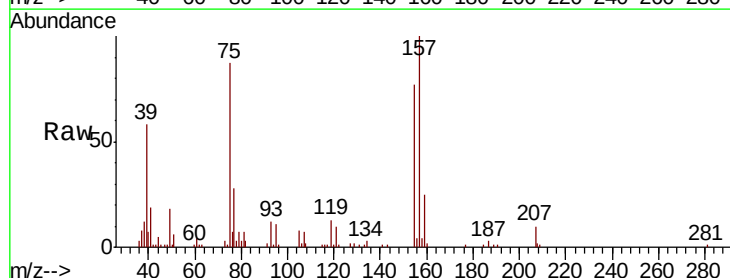
Manual Integrations
 APPROVED

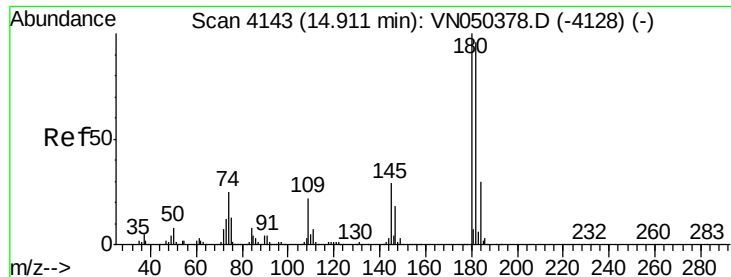
MMDadoda
 8/7/2018 9:58:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.27 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	44.8	134.4
157	115.0	57.2	171.6





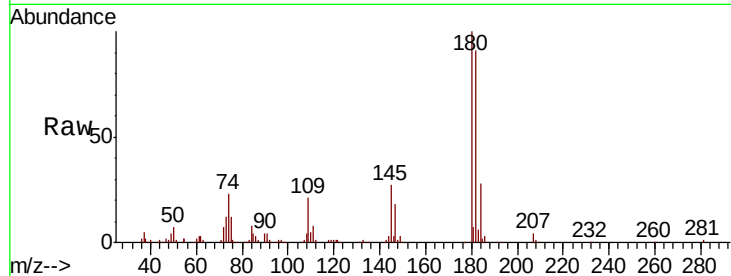
#93
 1,2,4-Trichlorobenzene
 Concen: 19.60 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	168242		
182	94.4	46.7	140.1	
145	28.8	13.8	41.4	

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:58:52 AM

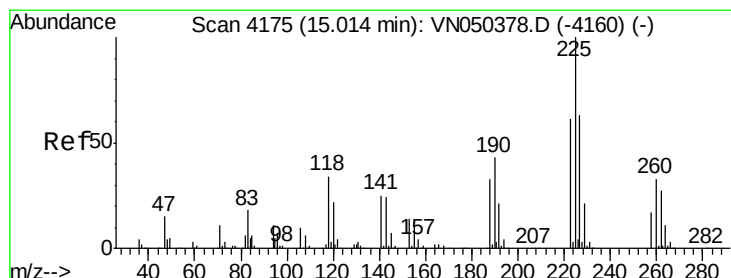
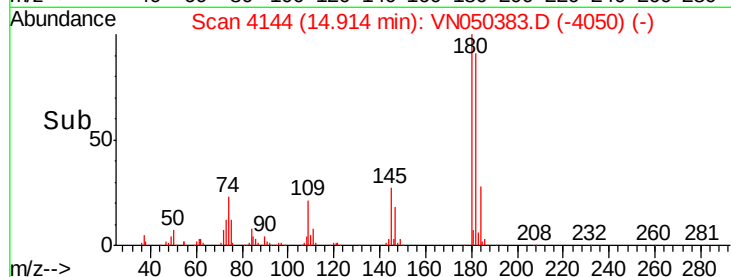
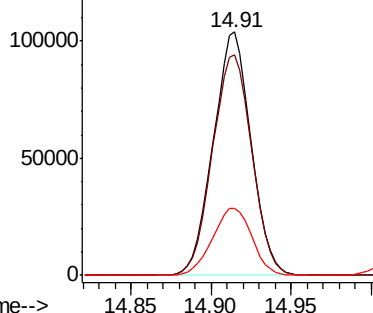


Abundance

Ion 179.80 (179.50 to 180.50): V

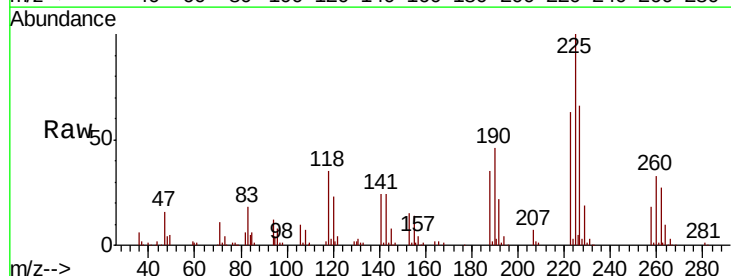
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.40 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100176		
223	62.5	31.4	94.2	
227	64.5	32.1	96.5	

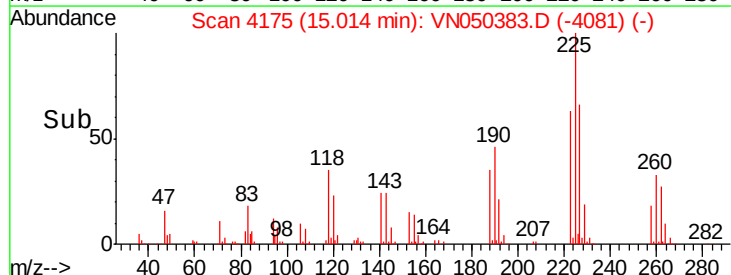
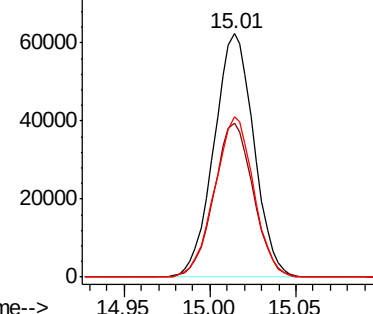


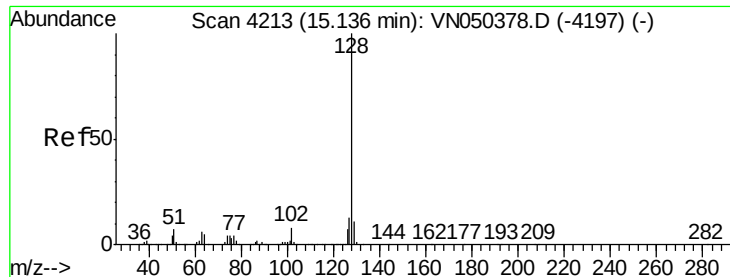
Abundance

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





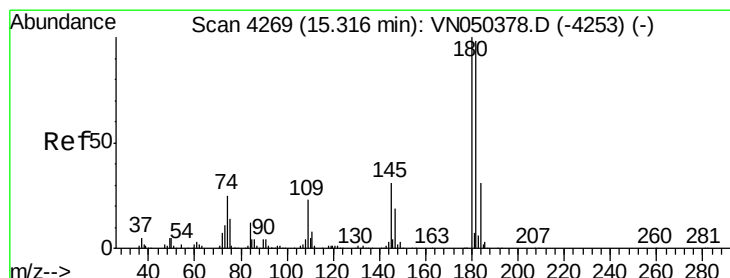
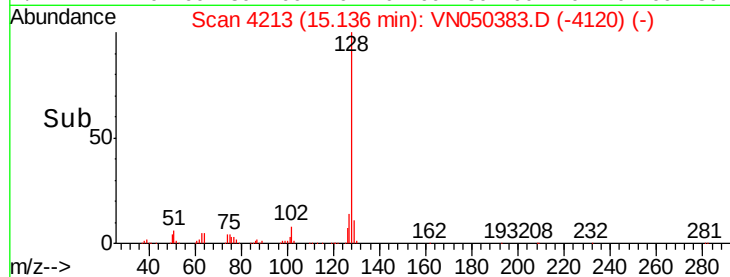
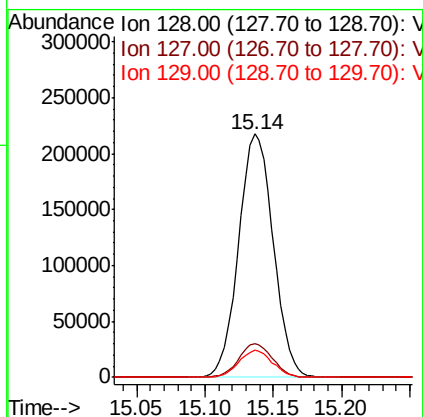
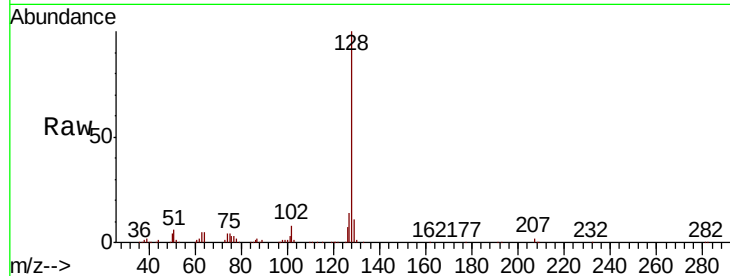
#95
Naphthalene
Concen: 19.26 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	13.5		10.4	15.6	
129	10.8		8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.26 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	94.3		48.1	144.4	
145	30.5		15.3	45.9	

