

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050600.D
 Acq On : 14 Aug 2018 14:22
 Operator : MD\SY
 Sample : VN0814WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:31 PM

Quant Time: Aug 15 08:58:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	592725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	862794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	775712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	387079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	405760	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	7.59	113	375622	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
50) Toluene-d8	10.09	98	1396837	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.40	95	441566	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	141142	21.12	ug/l	98
3) Chloromethane	2.06	50	181387	22.00	ug/l	99
4) Vinyl Chloride	2.18	62	187328	21.10	ug/l	99
5) Bromomethane	2.56	94	100297	19.76	ug/l	99
6) Chloroethane	2.70	64	114794	22.40	ug/l	96
7) Trichlorofluoromethane	3.01	101	246055	21.13	ug/l	100
8) Diethyl Ether	3.41	74	84427	21.79	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	151578	21.52	ug/l	100
10) Methyl Iodide	3.95	142	98377	23.87	ug/l	99
11) Tert butyl alcohol	4.80	59	48385	118.60	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	136349	21.20	ug/l	99
13) Acrolein	3.61	56	17933	109.75	ug/l	99
14) Allyl chloride	4.33	41	215393	21.53	ug/l	100
15) Acrylonitrile	4.99	53	248347	110.84	ug/l	99
16) Acetone	3.82	43	220155	117.24	ug/l	99
17) Carbon Disulfide	4.05	76	428734	21.18	ug/l	98
18) Methyl Acetate	4.33	43	120774	22.47	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	366645	22.40	ug/l	98
20) Methylene Chloride	4.55	84	162000	22.10	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	151363	21.71	ug/l	98
22) Diisopropyl ether	5.96	45	472623	23.04	ug/l	95
23) Vinyl Acetate	5.90	43	1543147	115.01	ug/l	99
24) 1,1-Dichloroethane	5.85	63	283119	21.33	ug/l	98
25) 2-Butanone	6.84	43	347164	113.33	ug/l	100
26) 2,2-Dichloropropane	6.83	77	214813	24.18	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	167889	21.62	ug/l	98
28) Bromochloromethane	7.20	49	137305	22.73	ug/l	100
29) Tetrahydrofuran	7.22	42	188651	117.95	ug/l	100
30) Chloroform	7.37	83	287799	21.40	ug/l	98
31) Cyclohexane	7.66	56	248400	21.74	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	242644	21.43	ug/l	99
36) 1,1-Dichloropropene	7.80	75	210260	21.89	ug/l	99
37) Ethyl Acetate	6.94	43	126247	23.25	ug/l	99
38) Carbon Tetrachloride	7.77	117	215358	21.61	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050600.D
 Acq On : 14 Aug 2018 14:22
 Operator : MD\SY
 Sample : VN0814WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:31 PM

Quant Time: Aug 15 08:58:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	224715	22.60	ug/l	99
40) Benzene	8.04	78	659193	22.56	ug/l	100
41) Methacrylonitrile	7.17	41	66082	22.51	ug/l	96
42) 1,2-Dichloroethane	8.13	62	200116	22.35	ug/l	99
43) Isopropyl Acetate	8.17	43	219588	22.19	ug/l #	86
44) Trichloroethene	8.84	130	169181	21.62	ug/l	99
45) 1,2-Dichloropropane	9.12	63	171531	22.05	ug/l	100
46) Dibromomethane	9.21	93	102131	22.24	ug/l	97
47) Bromodichloromethane	9.40	83	213518	21.75	ug/l	98
48) Methyl methacrylate	9.20	41	110128	22.12	ug/l	100
49) 1,4-Dioxane	9.20	88	30507	465.16	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	800367	119.61	ug/l	99
52) Toluene	10.16	92	398891	22.87	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	201233	22.01	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	240674	22.94	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	144639	22.19	ug/l	98
56) Ethyl methacrylate	10.43	69	170291	21.61	ug/l	100
57) 1,3-Dichloropropane	10.71	76	239928	22.46	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	394852	105.43	ug/l	100
59) 2-Hexanone	10.75	43	511013	118.33	ug/l	99
60) Dibromochloromethane	10.90	129	158528	22.04	ug/l	99
61) 1,2-Dibromoethane	11.01	107	139296	22.44	ug/l	99
64) Tetrachloroethene	10.63	164	157767	21.90	ug/l	99
65) Chlorobenzene	11.43	112	422278	21.87	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	159310	22.01	ug/l	99
67) Ethyl Benzene	11.51	91	696615	22.35	ug/l	100
68) m/p-Xylenes	11.62	106	547387	45.91	ug/l	100
69) o-Xylene	11.95	106	258847	22.77	ug/l	100
70) Styrene	11.97	104	418489	21.25	ug/l	100
71) Bromoform	12.13	173	108241	22.56	ug/l #	99
73) Isopropylbenzene	12.25	105	678503	22.44	ug/l	99
74) N-amyl acetate	12.07	43	174692	22.20	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	176101	23.87	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	146002m	22.79	ug/l	
77) Bromobenzene	12.53	156	177780	21.65	ug/l	100
78) n-propylbenzene	12.59	91	766481	22.73	ug/l	99
79) 2-Chlorotoluene	12.67	91	470243	22.37	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	561711	23.20	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	39635	22.76	ug/l	96
82) 4-Chlorotoluene	12.77	91	466908	22.47	ug/l	99
83) tert-Butylbenzene	12.99	119	476367	22.66	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	571459	23.51	ug/l	99
85) sec-Butylbenzene	13.17	105	624638	22.74	ug/l	100
86) p-Isopropyltoluene	13.29	119	529999	22.77	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	304359	21.77	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	292865	21.11	ug/l	100
89) n-Butylbenzene	13.62	91	405502	21.58	ug/l	98
90) Hexachloroethane	13.88	117	97310	20.79	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	294112	21.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24404	22.62	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050600.D
Acq On : 14 Aug 2018 14:22
Operator : MD\SY
Sample : VN0814WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

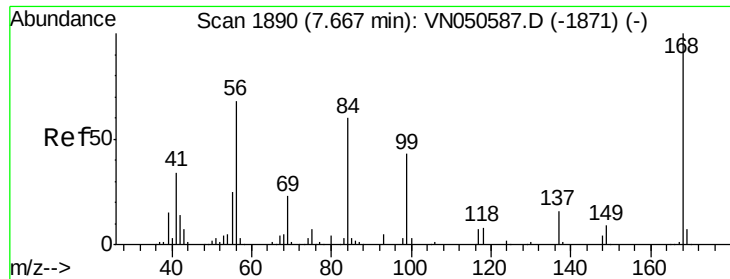
Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:31:31 PM

Quant Time: Aug 15 08:58:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	126195	19.74	ug/l	99
94) Hexachlorobutadiene	15.01	225	88371	21.14	ug/l	99
95) Naphthalene	15.13	128	251570	19.45	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	125723	20.42	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tot Ion:168 Resp: 592725

Ion Ratio Lower Upper

168 100

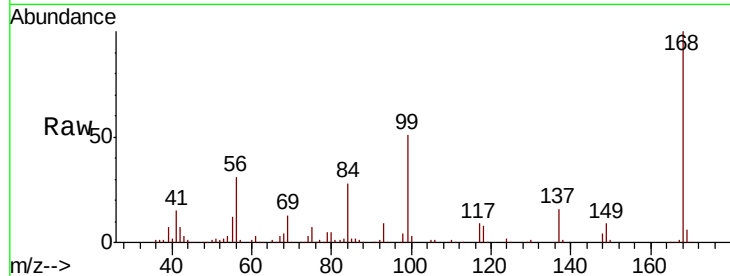
99 50.7 40.8 61.2

Manual Integrations

APPROVED

MMDadoda

8/15/2018 3:31:31 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

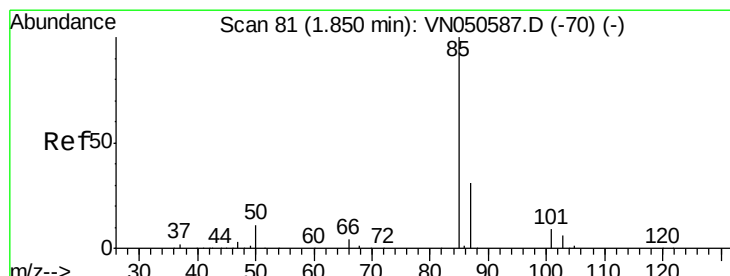
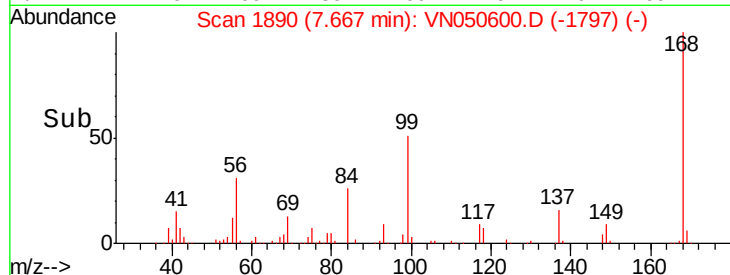
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.12 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050600.D

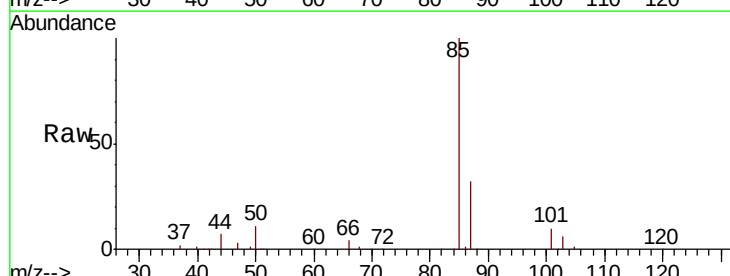
Acq: 14 Aug 2018 14:22

Tgt Ion: 85 Resp: 141142

Ion Ratio Lower Upper

85 100

87 32.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

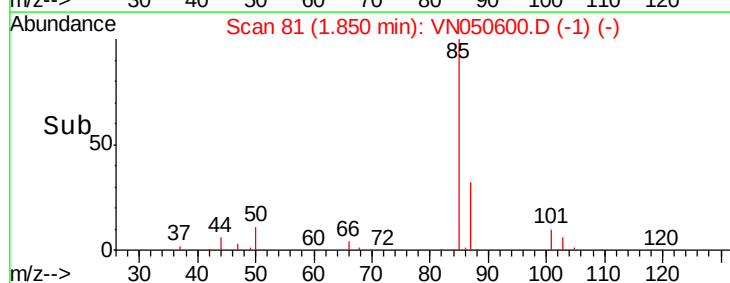
40000

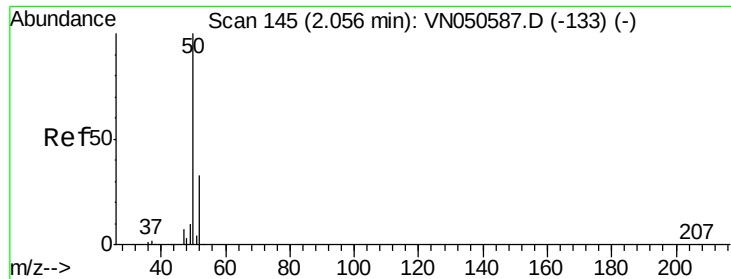
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 22.00 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tot Ion: 50 Resp: 181387

Ion Ratio Lower Upper

50 100

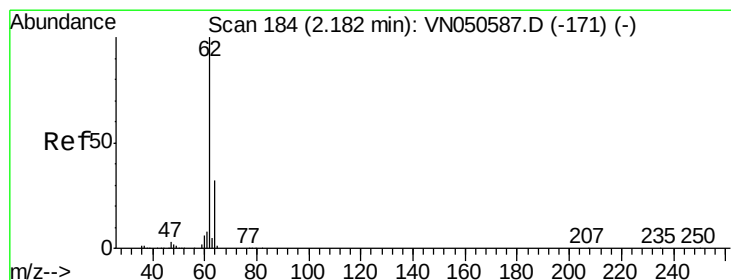
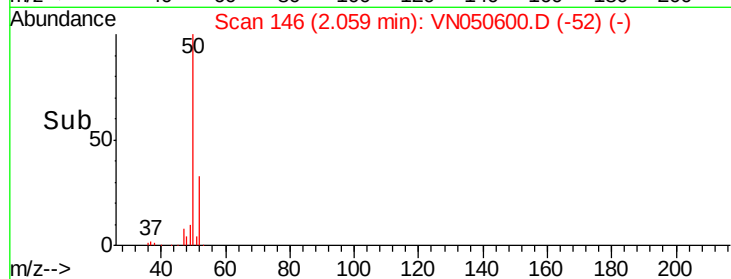
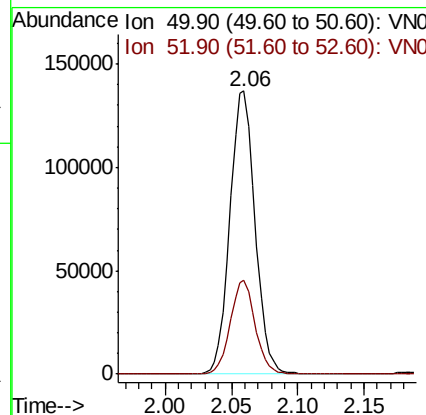
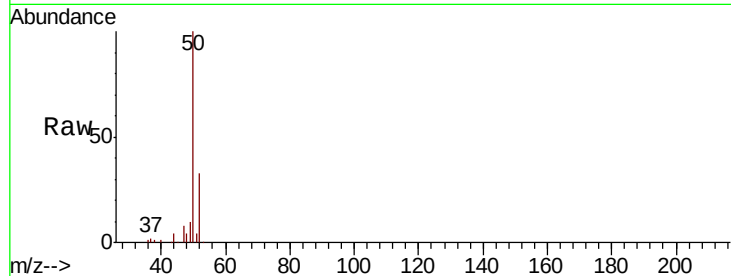
52 33.1 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

8/15/2018 3:31:31 PM



#4

Vinyl Chloride

Concen: 21.10 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050600.D

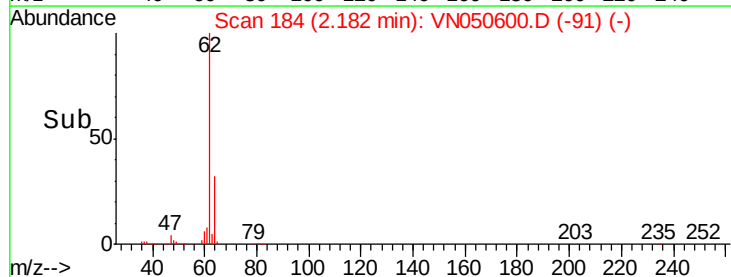
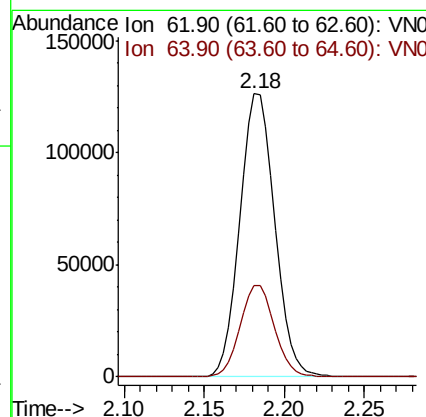
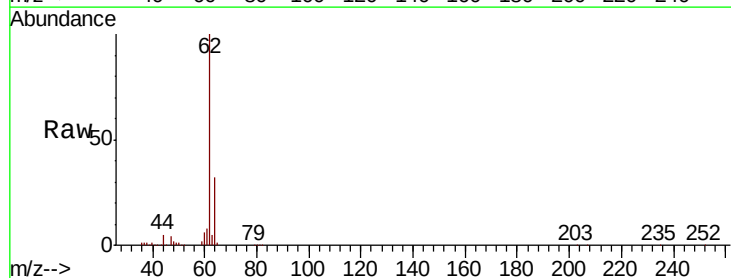
Acq: 14 Aug 2018 14:22

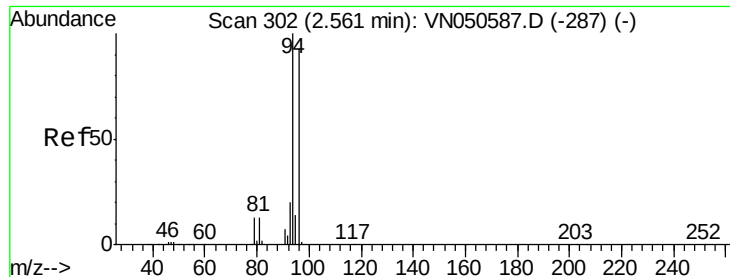
Tgt Ion: 62 Resp: 187328

Ion Ratio Lower Upper

62 100

64 32.2 25.2 37.8





#5

Bromomethane

Concen: 19.76 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tot Ion: 94 Resp: 100297

Ion Ratio Lower Upper

94 100

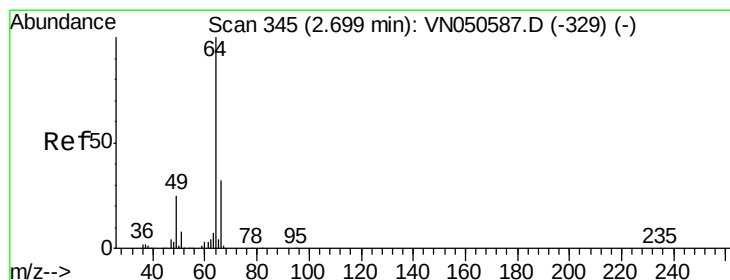
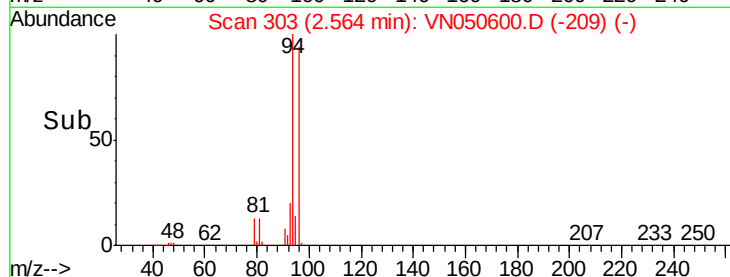
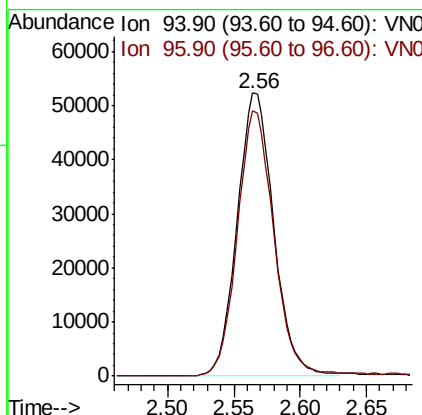
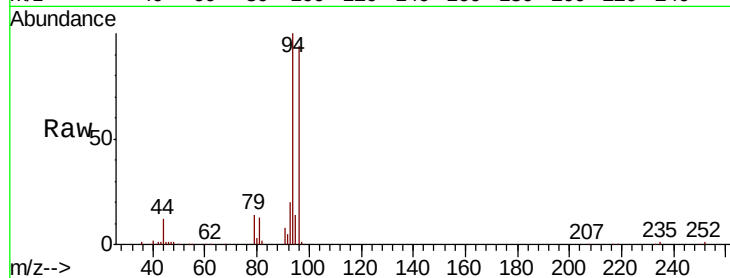
96 93.7 74.0 111.0

Manual Integrations

APPROVED

MMDadoda

8/15/2018 3:31:31 PM



#6

Chloroethane

Concen: 22.40 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050600.D

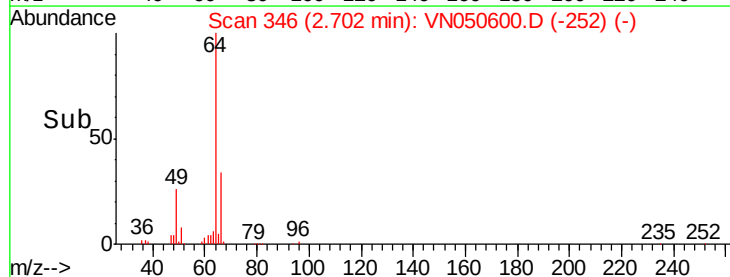
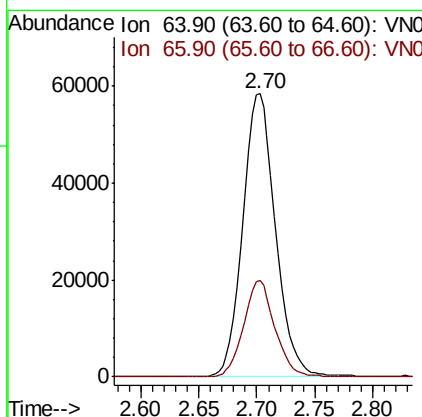
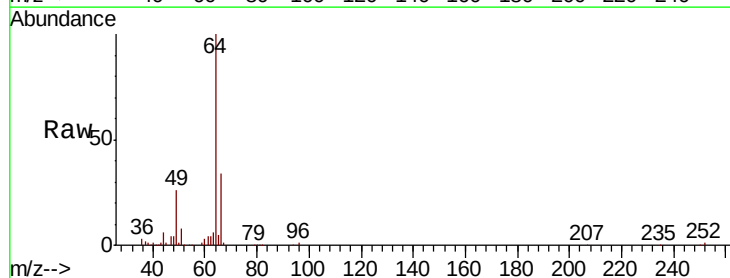
Acq: 14 Aug 2018 14:22

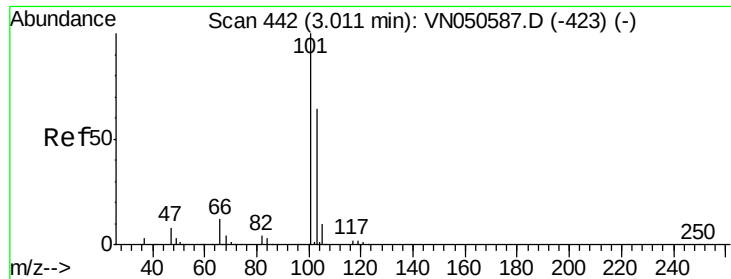
Tgt Ion: 64 Resp: 114794

Ion Ratio Lower Upper

64 100

66 34.3 25.7 38.5





#7

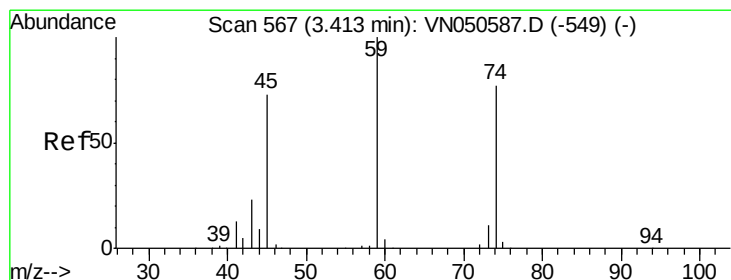
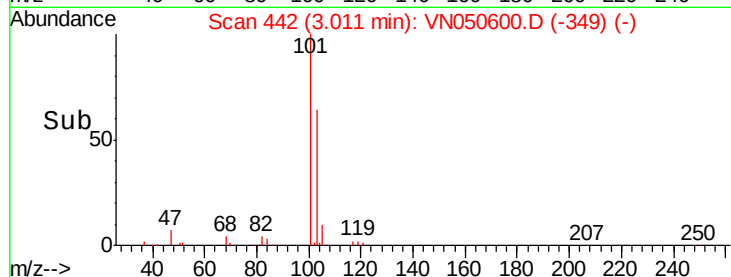
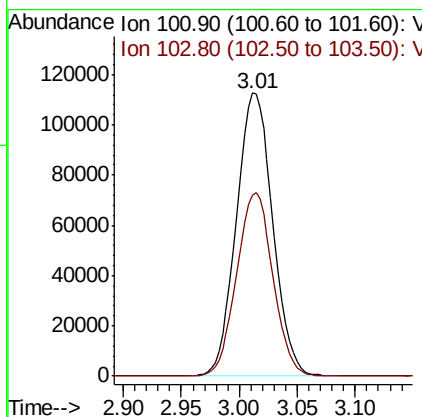
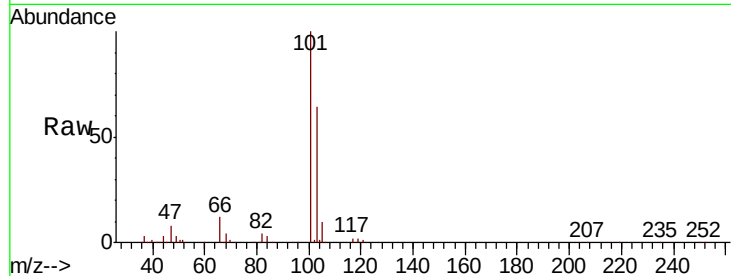
Trichlorofluoromethane
 Concen: 21.13 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.0

Manual Integrations
 APPROVED

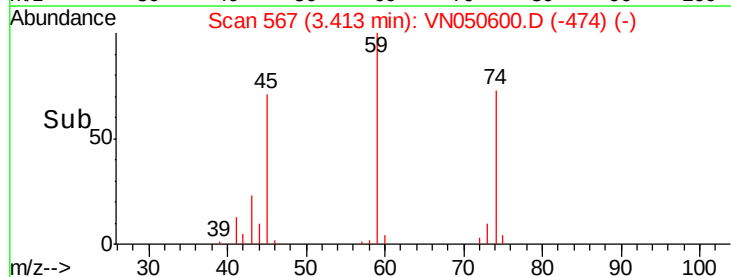
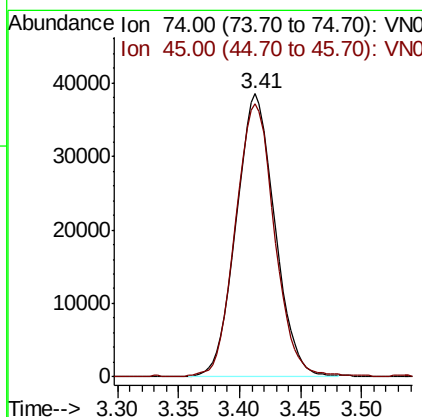
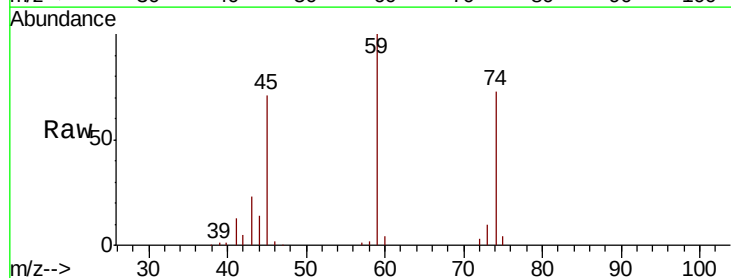
MMDadoda
 8/15/2018 3:31:31 PM

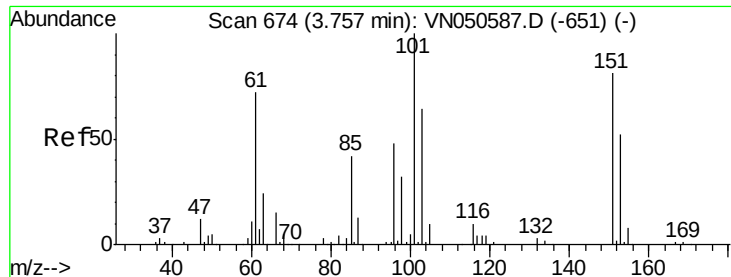


#8

Diethyl Ether
 Concen: 21.79 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.52 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

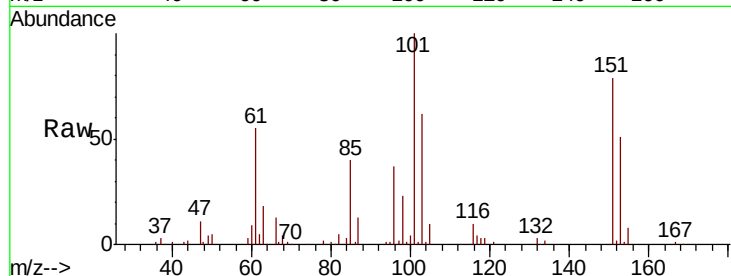
ClientSampled :

VN0814WBSD01

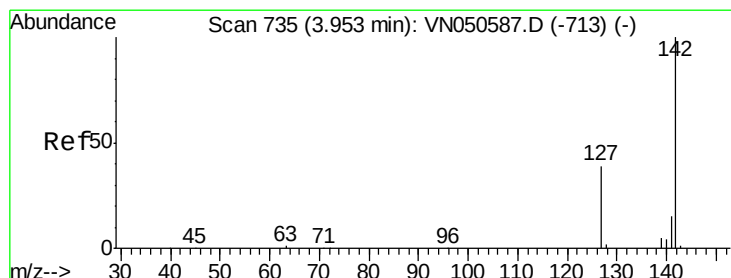
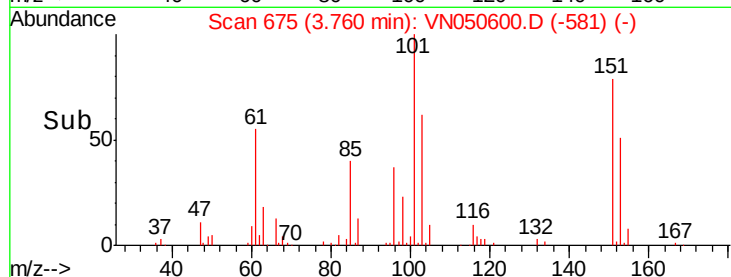
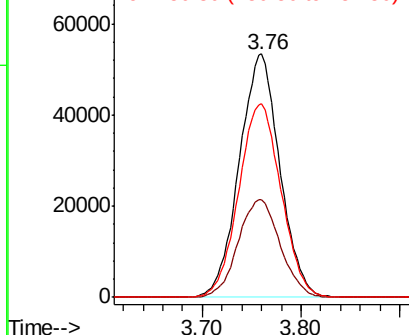
Tot Ion:	101	Resp:	151578
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.4	50.0
151	83.2	66.6	100.0

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:31:31 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.87 ug/l

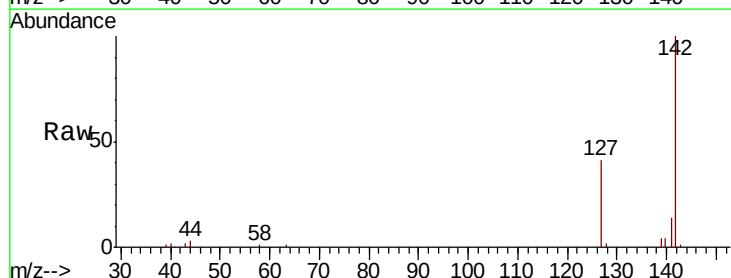
RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

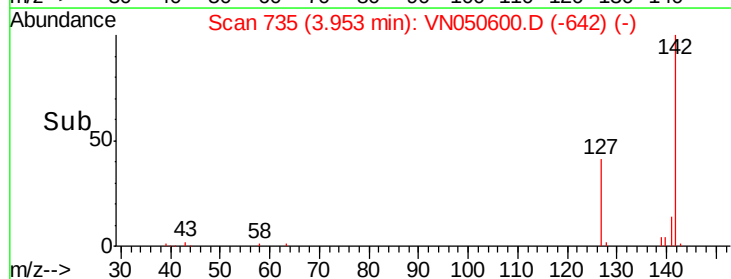
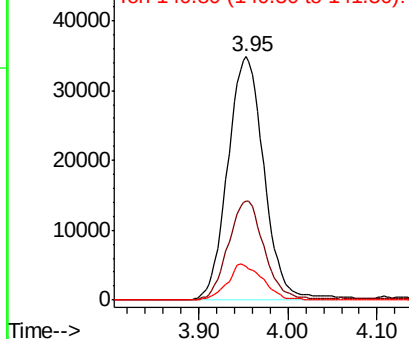
Lab File: VN050600.D

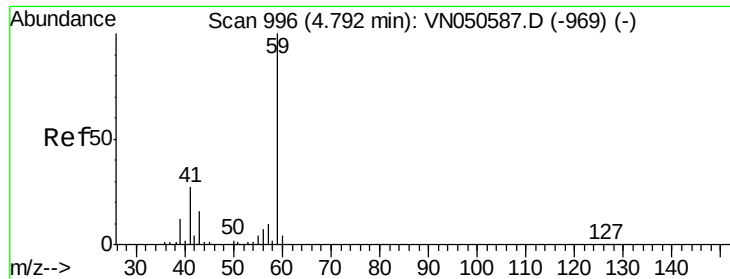
Acq: 14 Aug 2018 14:22

Tgt Ion:	142	Resp:	98377
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.6	49.0
141	14.4	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





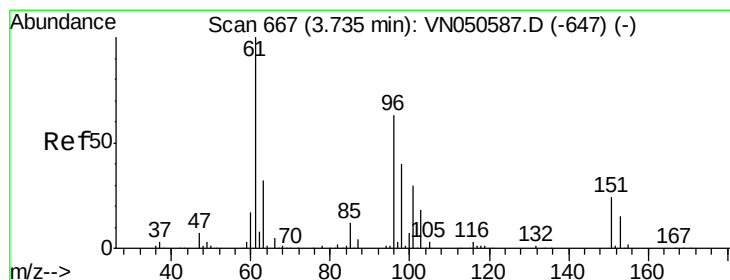
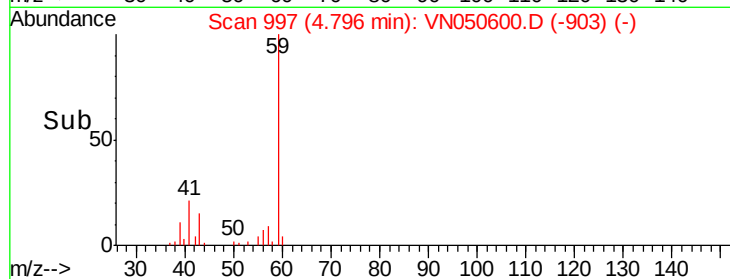
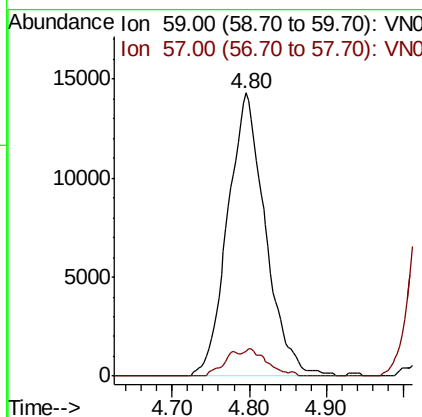
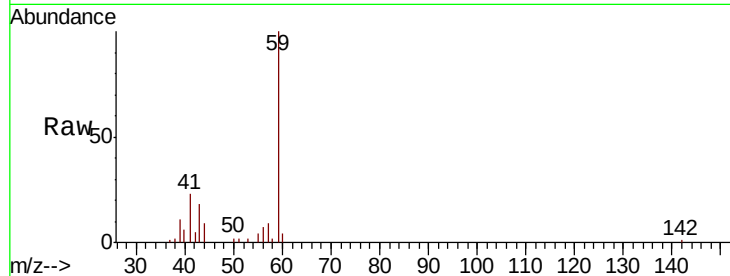
#11
Tert butyl alcohol
Concen: 118.60 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

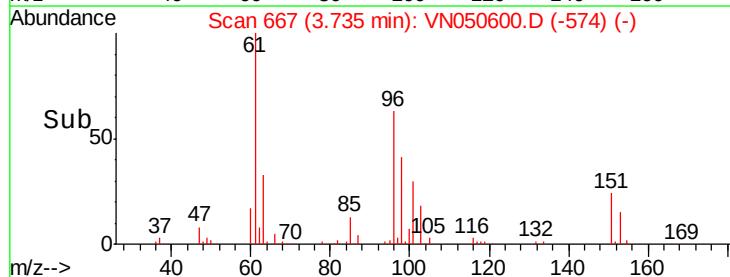
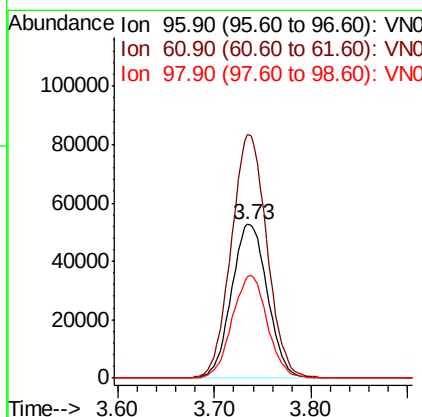
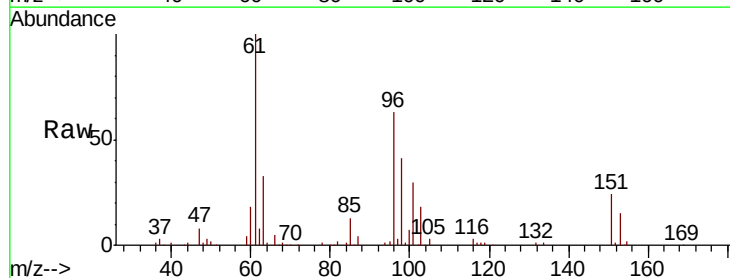
Manual Integrations
APPROVED

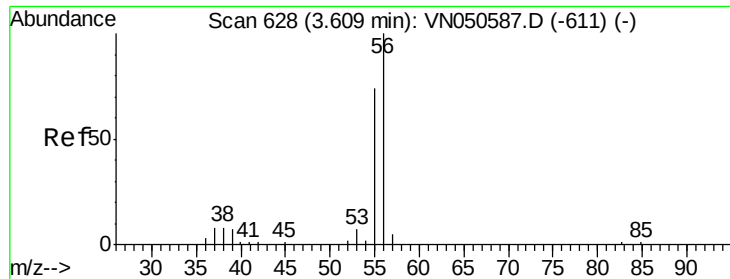
MMDadoda
8/15/2018 3:31:31 PM



#12
1,1-Dichloroethene
Concen: 21.20 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.2	126.9	190.3
98	65.6	51.1	76.7





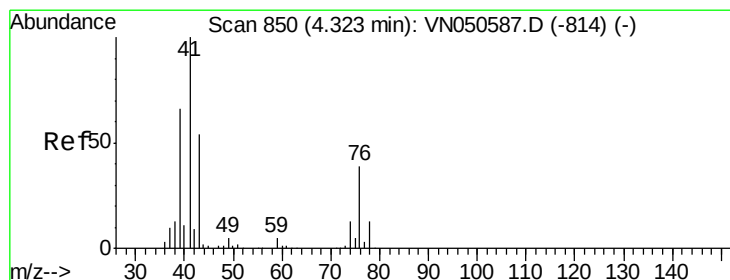
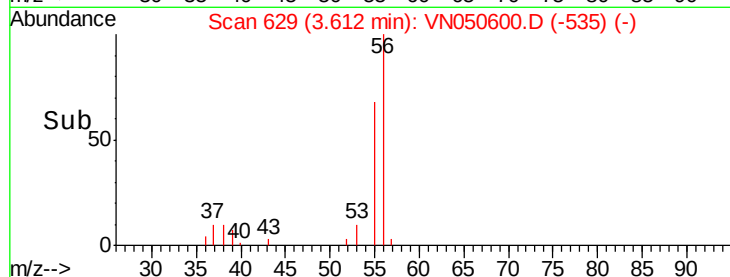
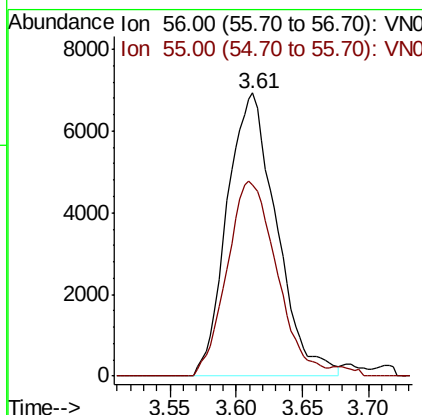
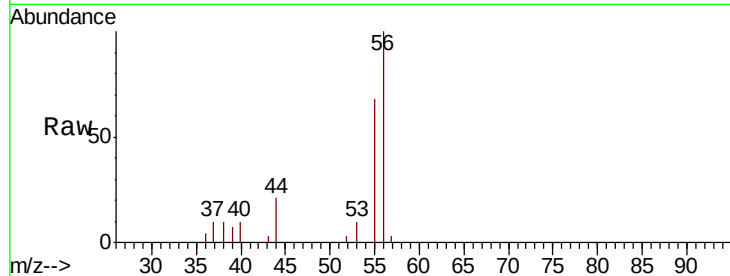
#13
Acrolein
Concen: 109.75 ug/l
RT: 3.61 min Scan# 629
Delta R.T. 0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion	56	Resp	17933
Ion Ratio	100	Lower	Upper
56	100		
55	69.5	56.3	84.5

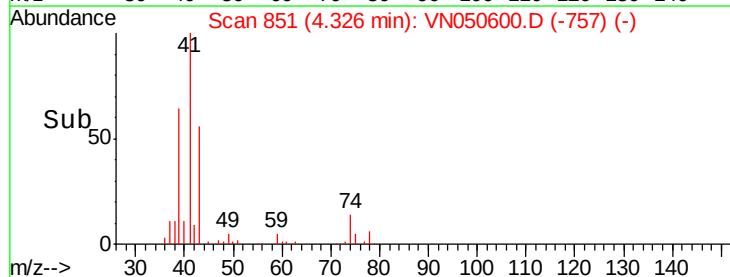
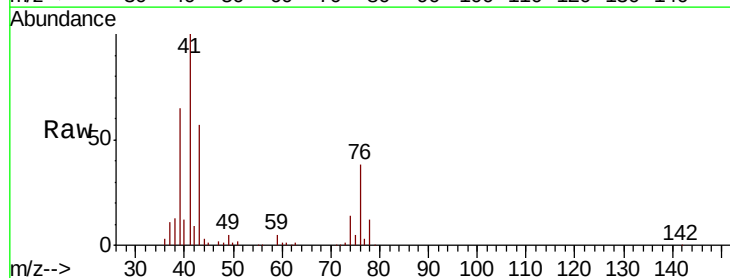
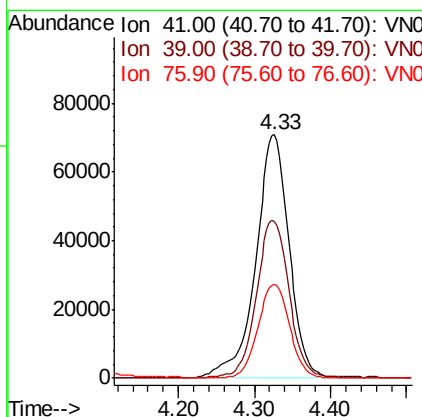
Manual Integrations
APPROVED

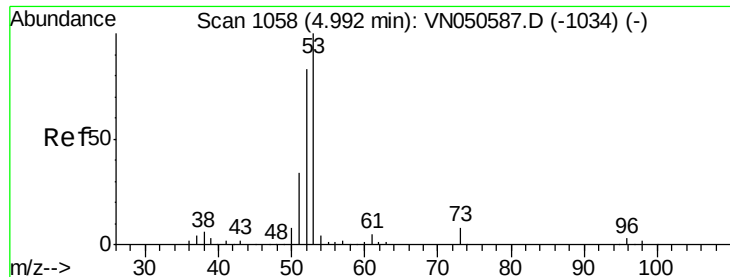
MMDadoda
8/15/2018 3:31:31 PM



#14
Allyl chloride
Concen: 21.53 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	41	Resp	215393
Ion Ratio	100	Lower	Upper
41	100		
39	63.7	51.4	77.0
76	36.7	29.4	44.0





#15

Acrylonitrile

Concen: 110.84 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

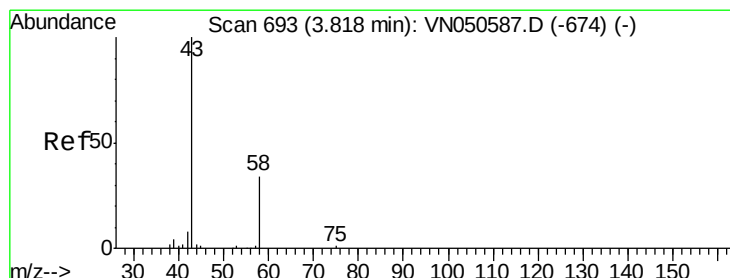
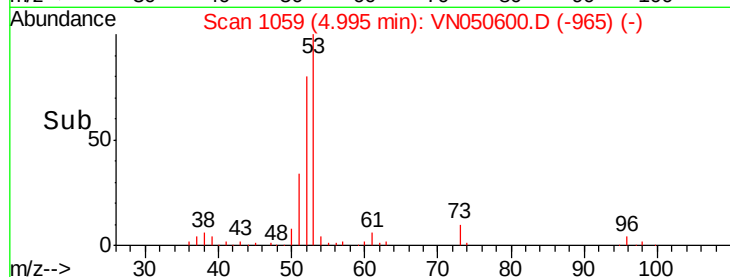
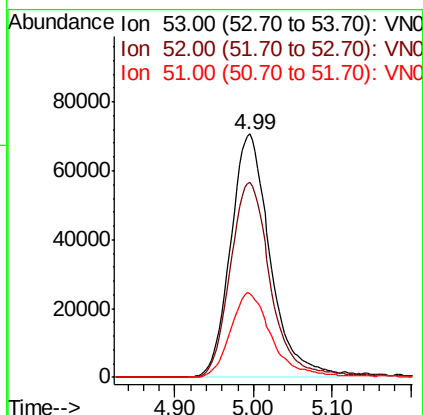
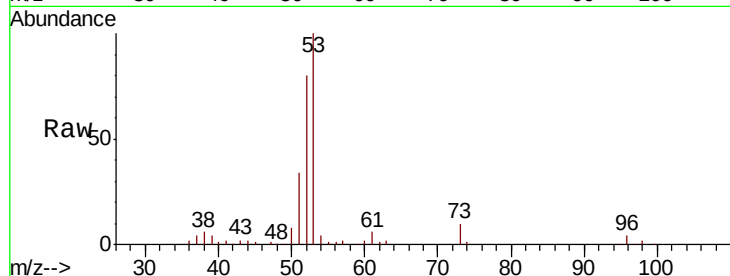
ClientSampleId :

VN0814WBSD01

Tot Ion:	53	Resp:	248347
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.2
51	36.0	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:31:31 PM



#16

Acetone

Concen: 117.24 ug/l

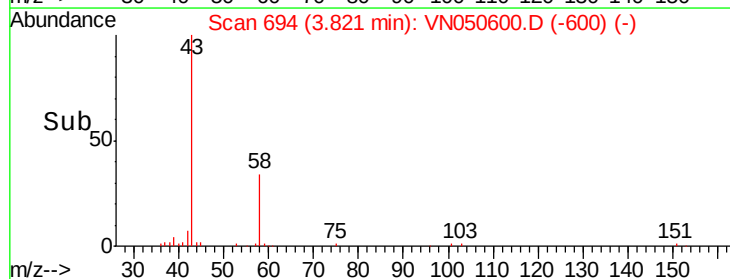
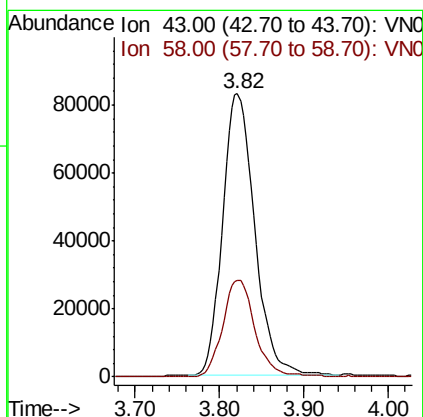
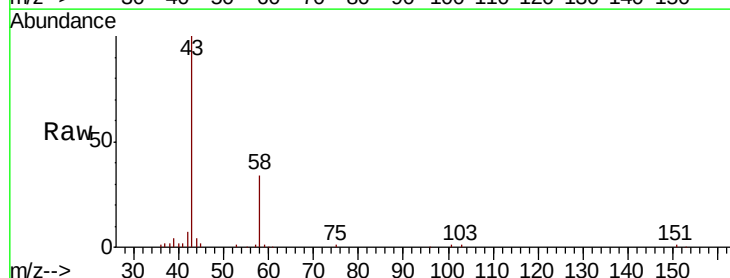
RT: 3.82 min Scan# 694

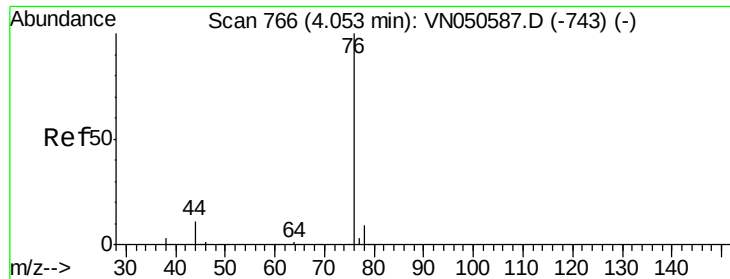
Delta R.T. 0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Tgt Ion:	43	Resp:	220155
Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.1	40.7





#17

Carbon Disulfide

Concen: 21.18 ug/l

RT: 4.05 min Scan# 766

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tot Ion: 76 Resp: 428734

Ion Ratio Lower Upper

76 100

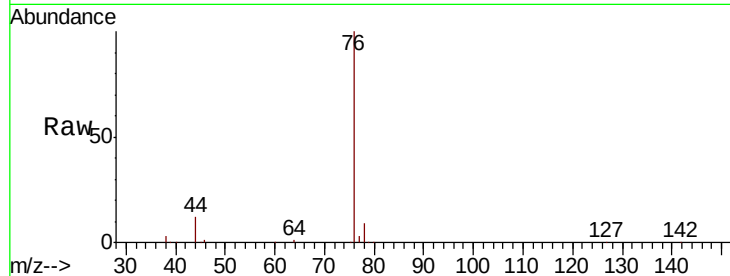
78 8.5 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

8/15/2018 3:31:31 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

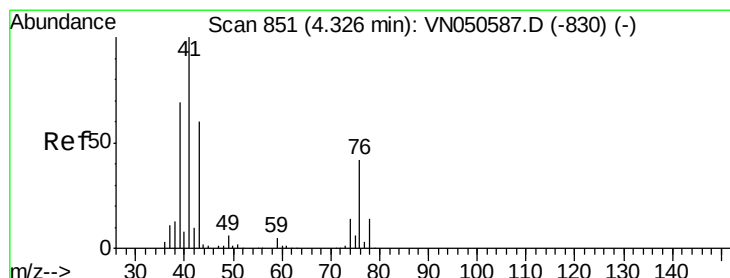
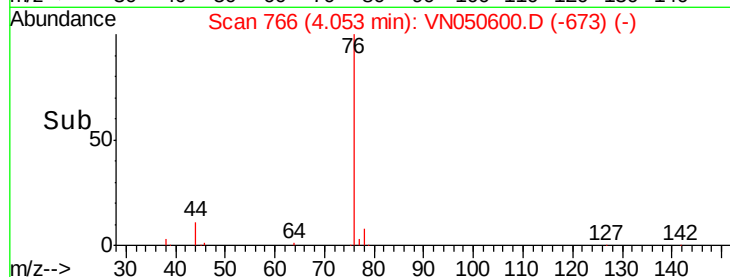
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 22.47 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050600.D

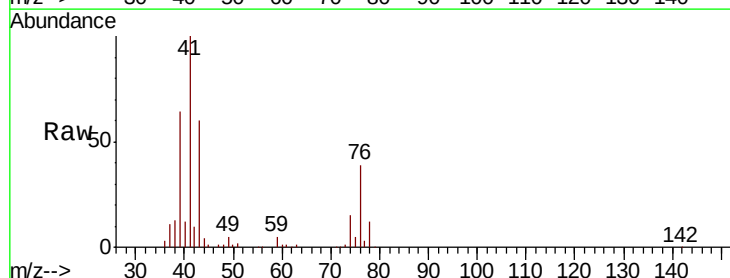
Acq: 14 Aug 2018 14:22

Tgt Ion: 43 Resp: 120774

Ion Ratio Lower Upper

43 100

74 24.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

40000

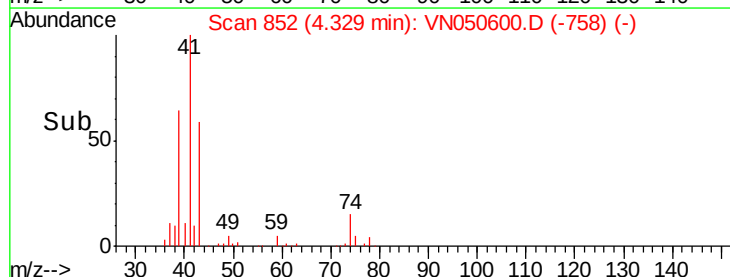
30000

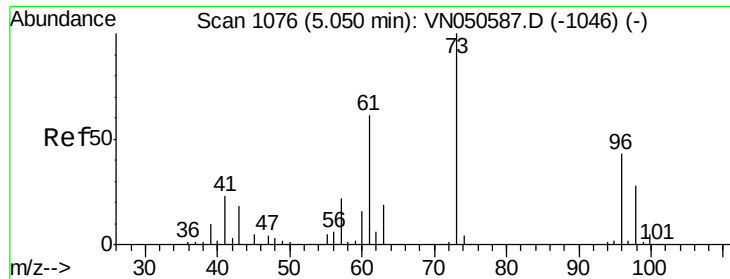
20000

10000

0

Time--> 4.20 4.30 4.40





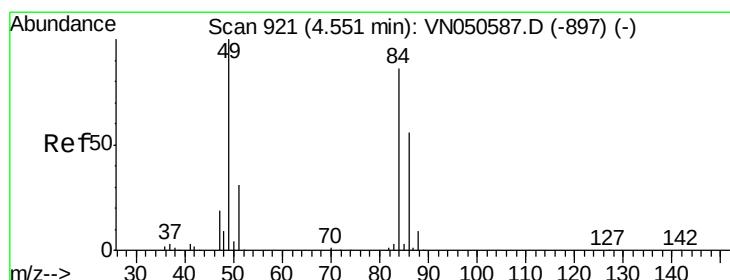
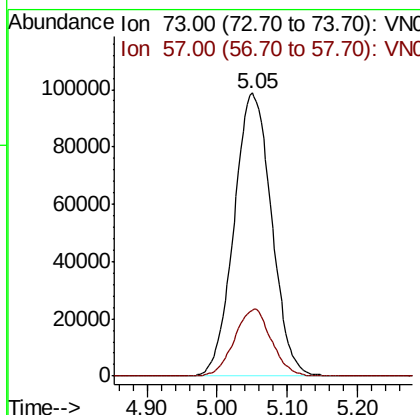
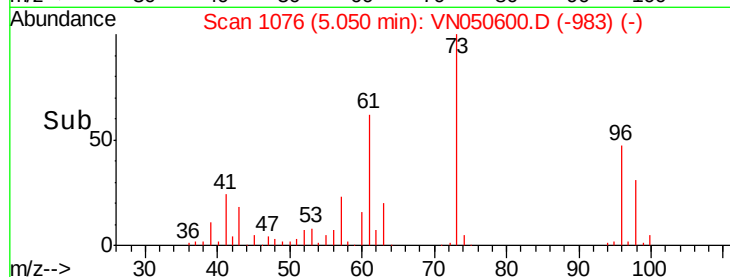
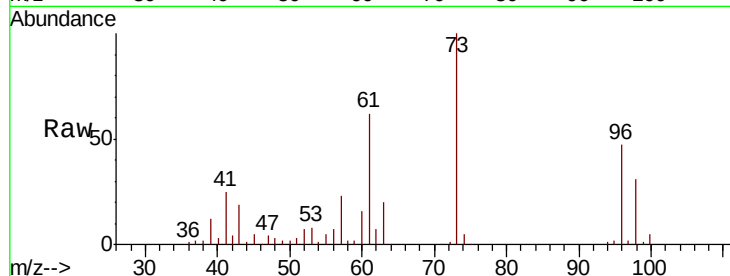
#19
Methvl tert-butvl Ether
Concen: 22.40 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.9	26.9

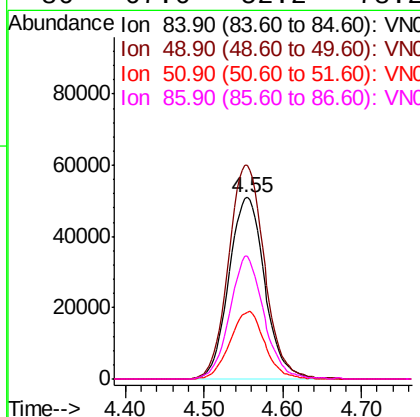
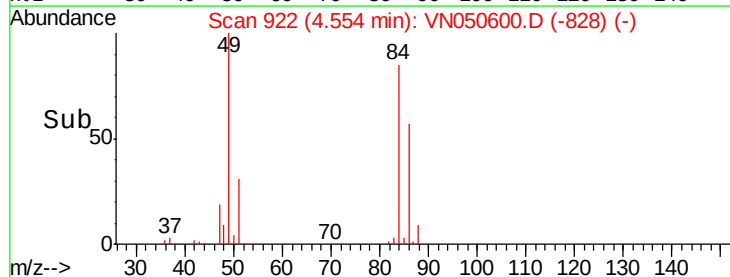
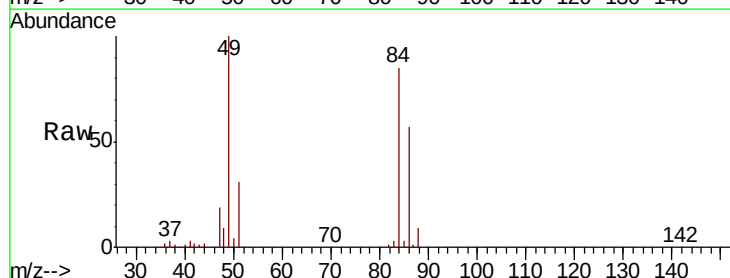
Manual Integrations
APPROVED

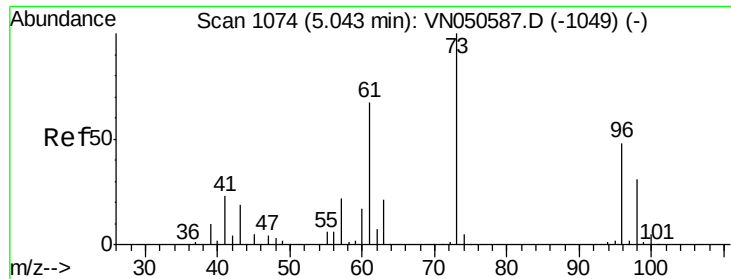
MMDadoda
8/15/2018 3:31:31 PM



#20
Methylene Chloride
Concen: 22.10 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.6	92.6	138.8
51	36.8	28.6	43.0
86	67.6	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 21.71 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

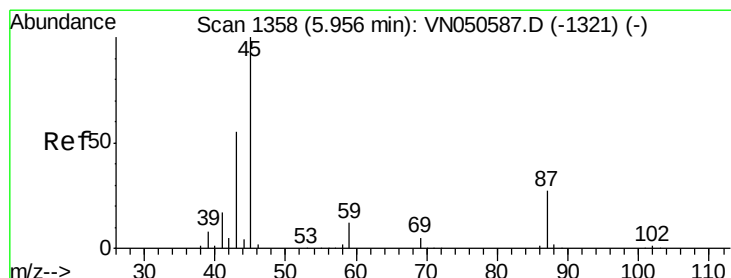
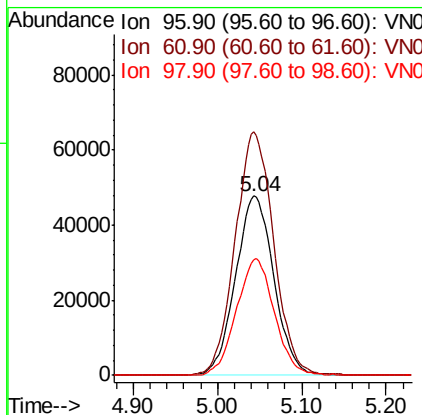
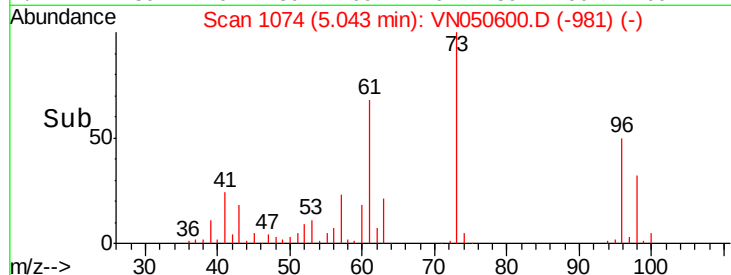
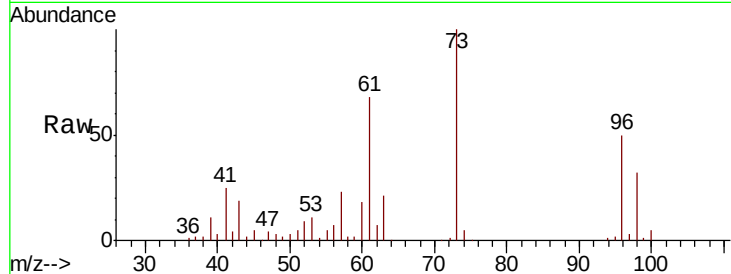
ClientSampleId :

VN0814WBSD01

Tot Ion:	96	Resp:	151363
Ion	Ratio	Lower	Upper
96	100		
61	135.6	111.2	166.8
98	64.3	51.6	77.4

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:31:31 PM



#22

Diisopropyl ether

Concen: 23.04 ug/l

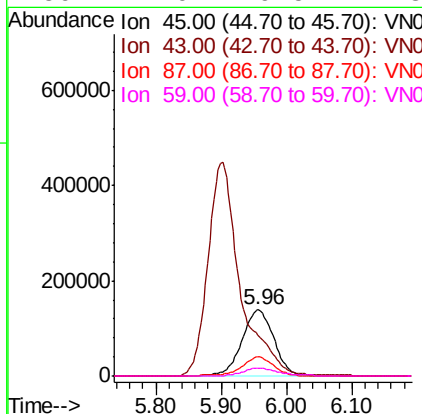
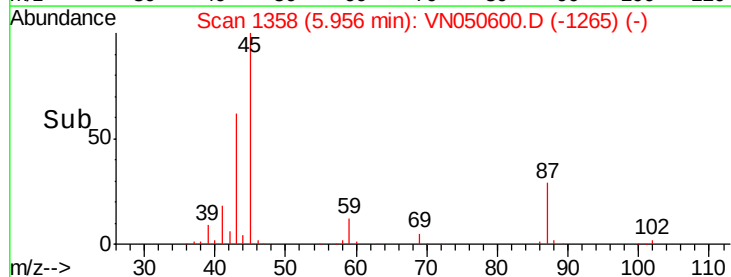
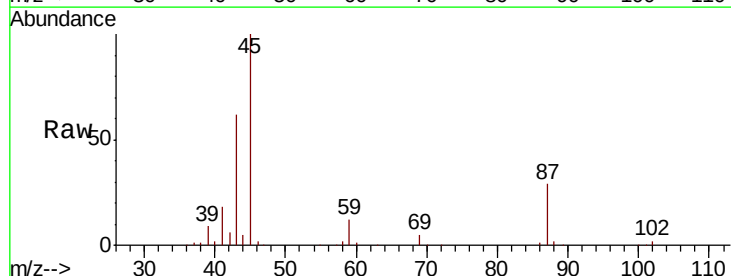
RT: 5.96 min Scan# 1358

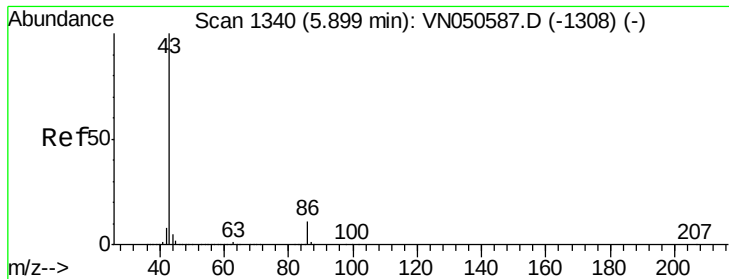
Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Tgt Ion:	45	Resp:	472623
Ion	Ratio	Lower	Upper
45	100		
43	60.5	44.5	66.7
87	28.9	22.2	33.2
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 115.01 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

ClientSampleID :

VN0814WBSD01

Tot Ion: 43 Resp: 1543147

Ion Ratio Lower Upper

43 100

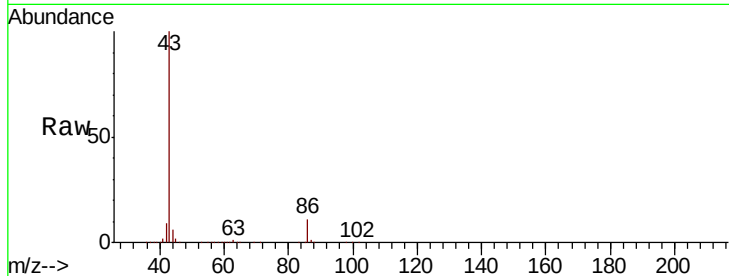
86 10.8 8.4 12.6

Manual Integrations

APPROVED

MMDadoda

8/15/2018 3:31:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

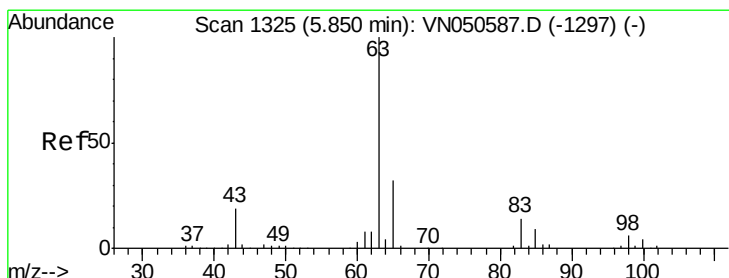
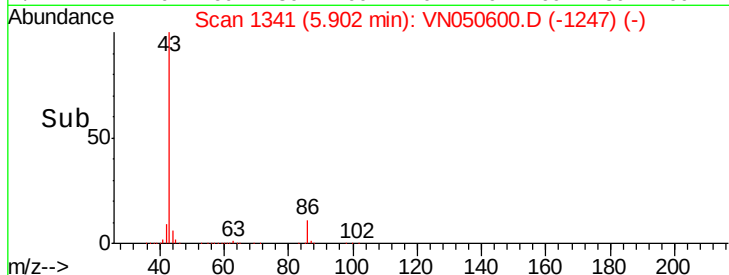
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.33 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

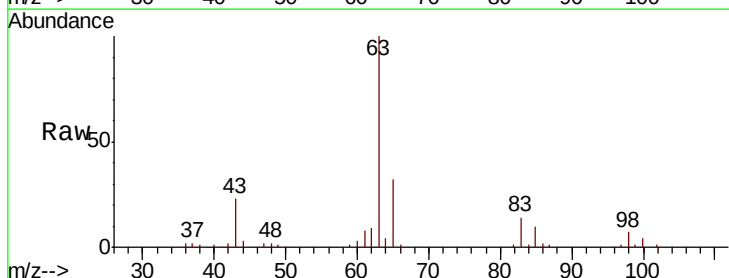
Tgt Ion: 63 Resp: 283119

Ion Ratio Lower Upper

63 100

98 7.3 3.2 9.6

100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

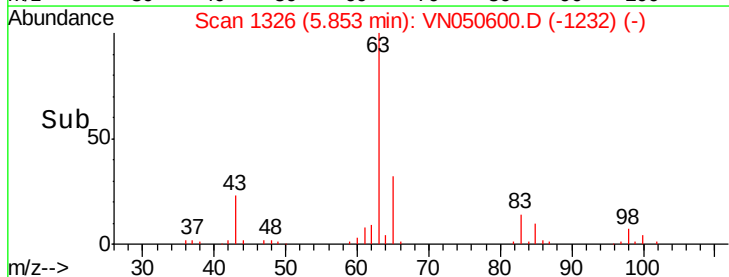
60000

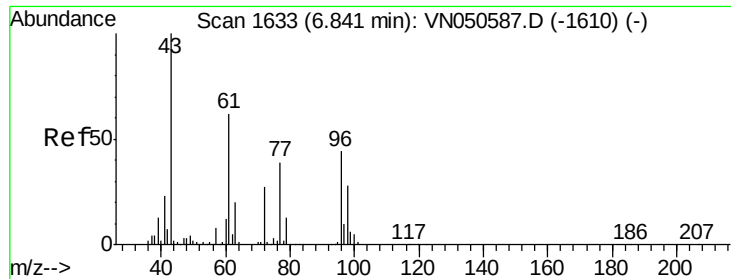
40000

20000

0

Time-->





#25

2-Butanone

Concen: 113.33 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

ClientSampled :

VN0814WBSD01

Tot Ion: 43 Resp: 347164

Ion Ratio Lower Upper

43 100

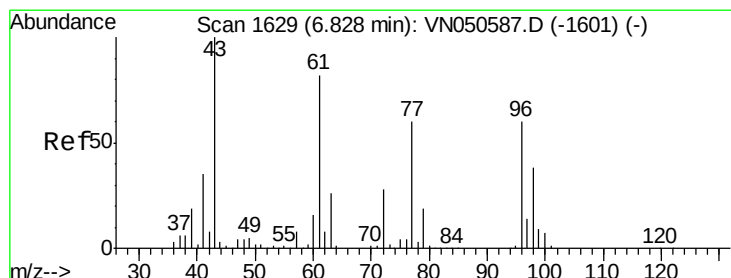
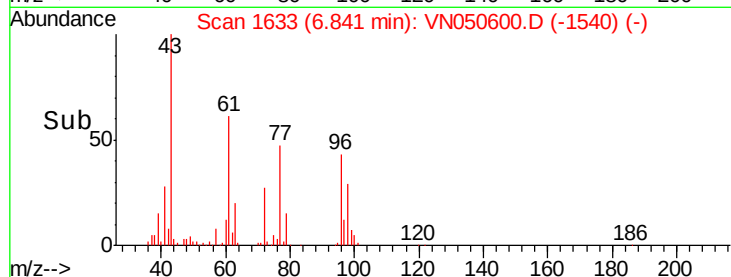
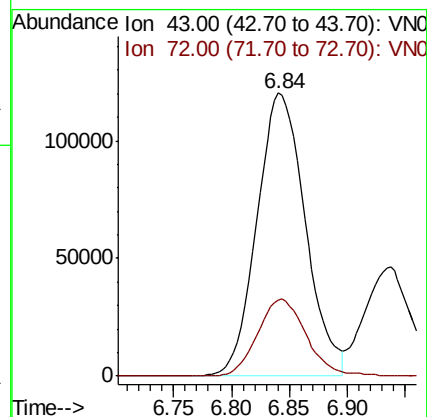
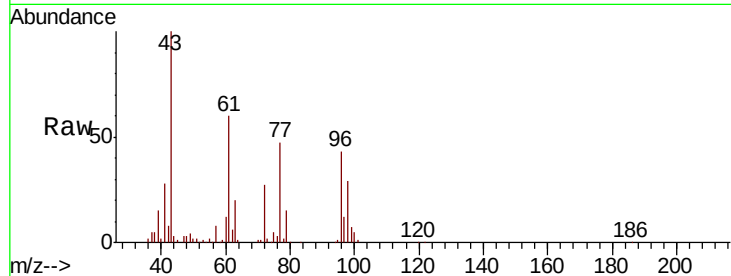
72 27.0 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

8/15/2018 3:31:31 PM



#26

2,2-Dichloropropane

Concen: 24.18 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050600.D

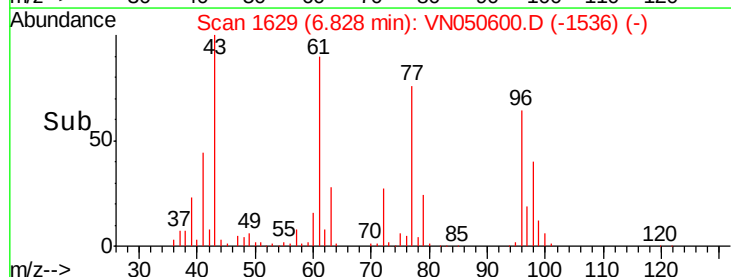
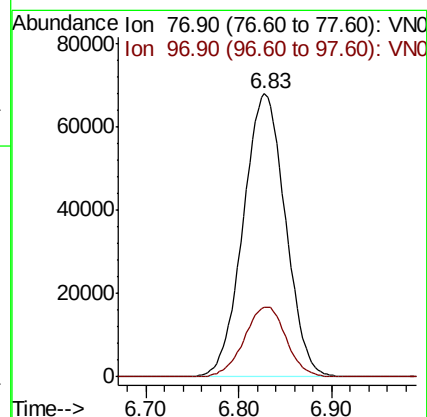
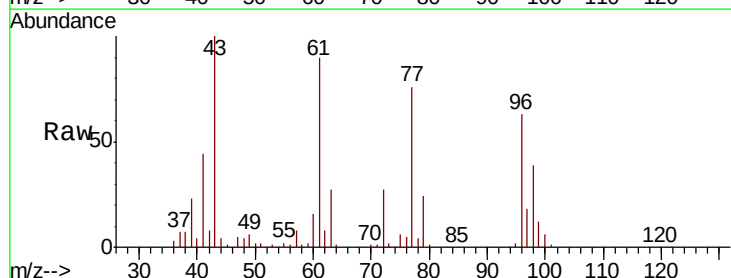
Acq: 14 Aug 2018 14:22

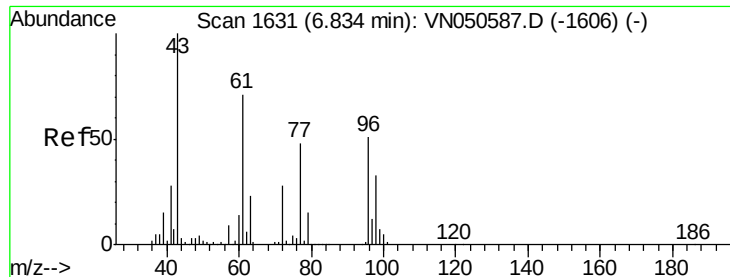
Tgt Ion: 77 Resp: 214813

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 21.62 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

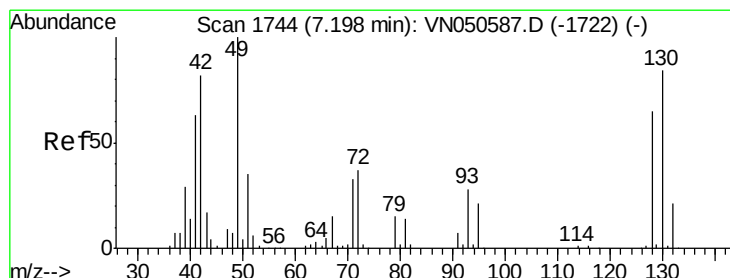
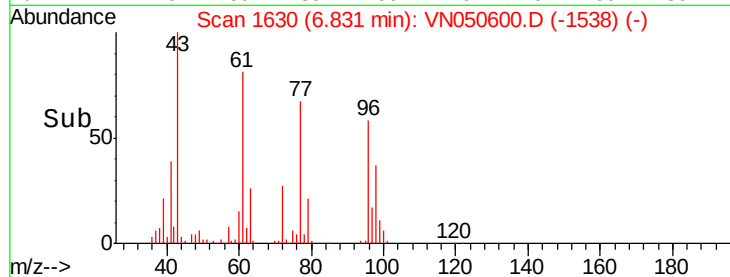
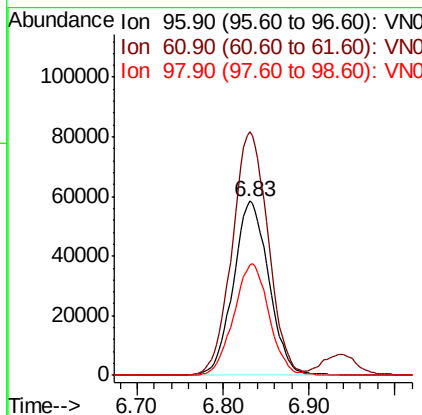
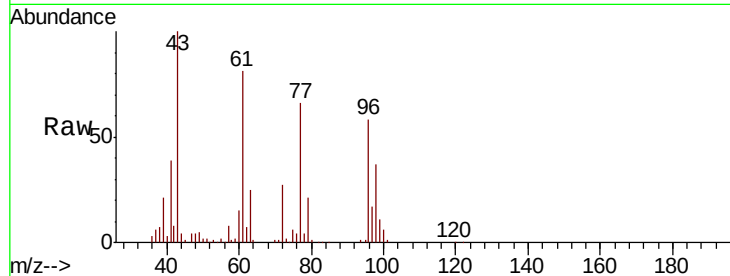
ClientSampleId :

VN0814WBSD01

Tot Ion:	96	Resp:	167889
Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	278.2
98	63.8	0.0	128.8

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:31:31 PM



#28

Bromochloromethane

Concen: 22.73 ug/l

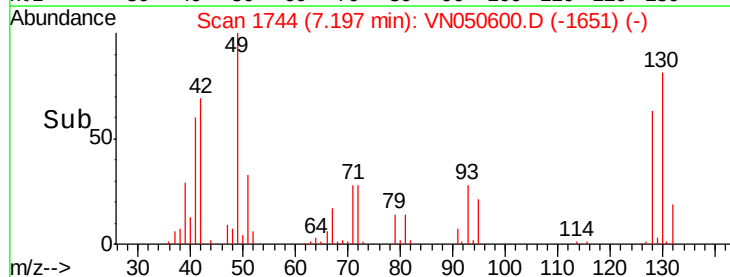
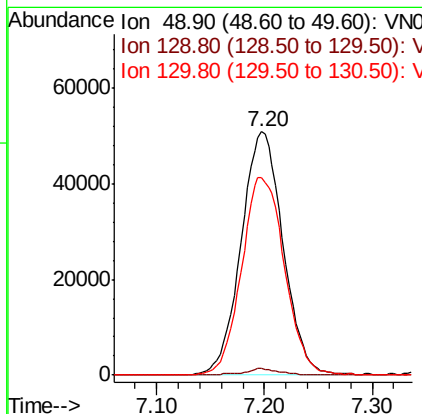
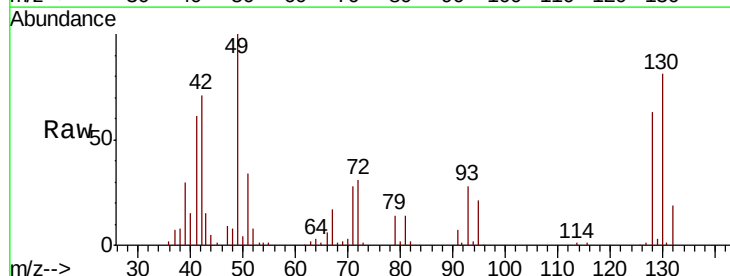
RT: 7.20 min Scan# 1744

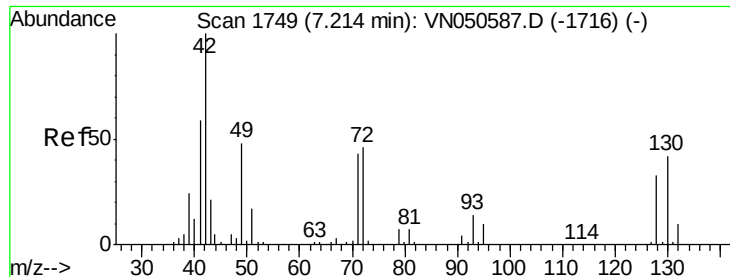
Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Tgt Ion:	49	Resp:	137305
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	83.4	66.8	100.2





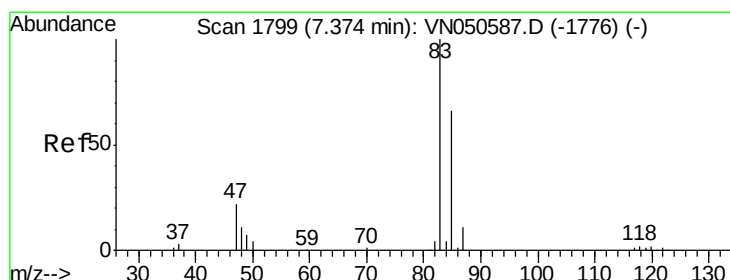
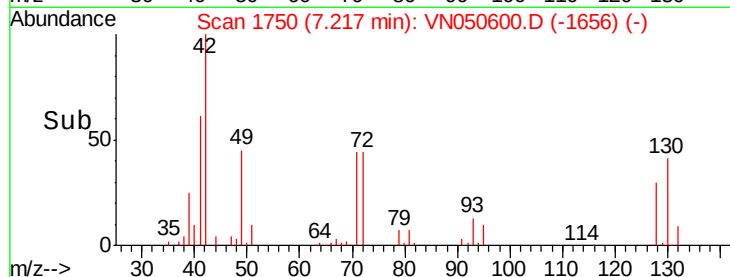
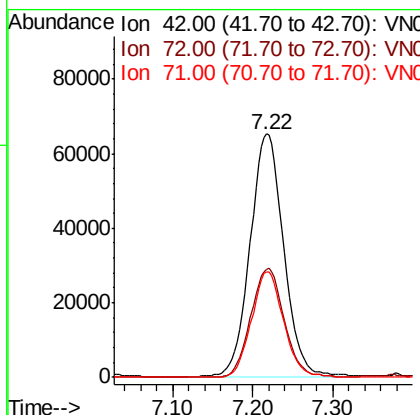
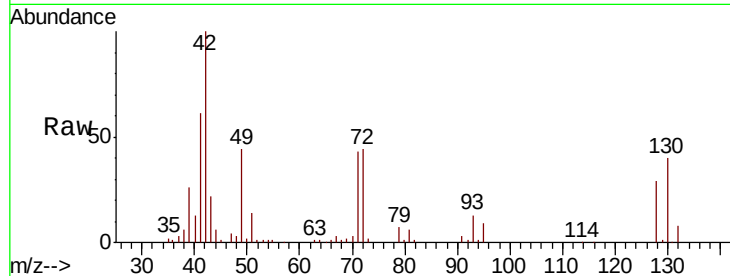
#29
Tetrahydrofuran
Concen: 117.95 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.8	53.6
71	41.4	33.4	50.0

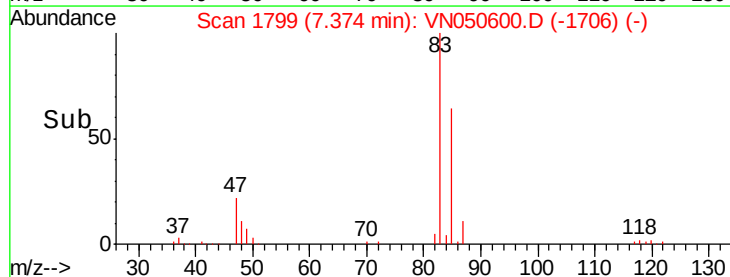
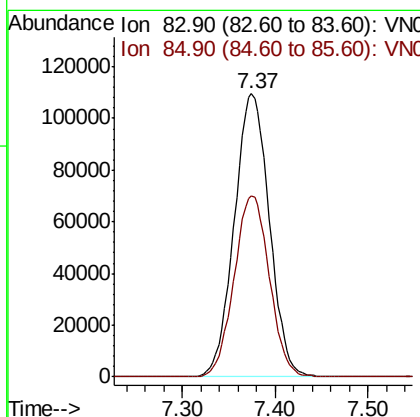
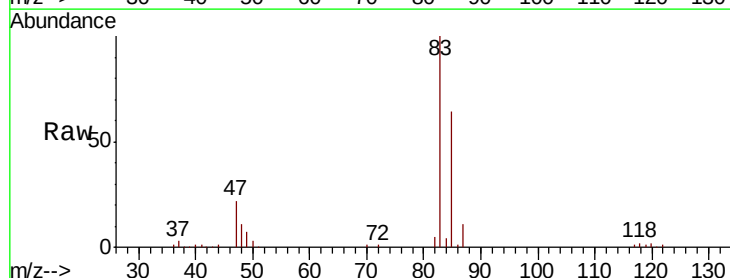
Manual Integrations
APPROVED

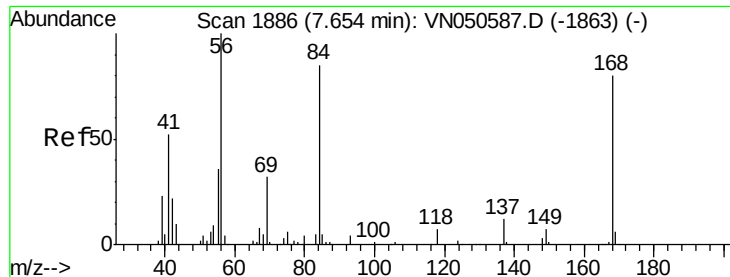
MMDadoda
8/15/2018 3:31:31 PM



#30
Chloroform
Concen: 21.40 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.5	78.7





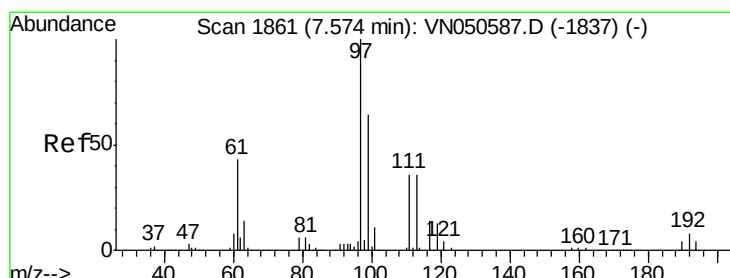
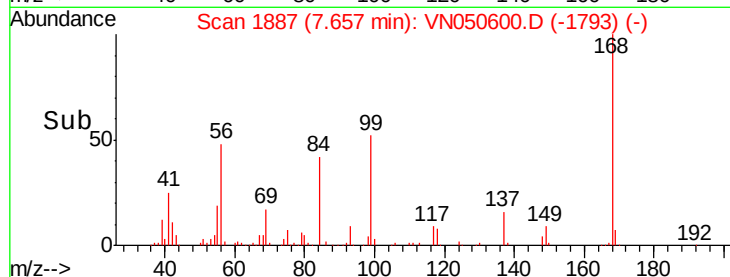
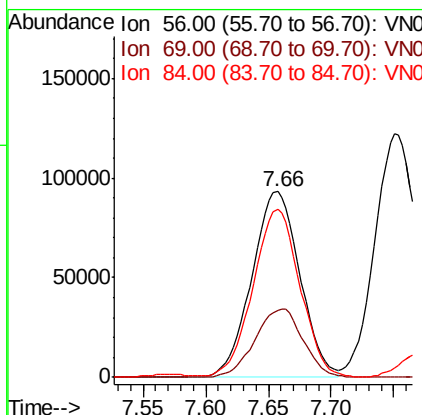
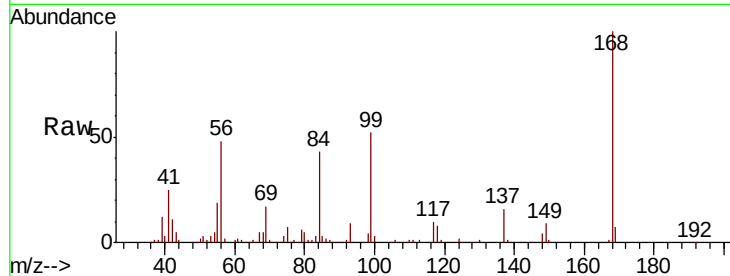
#31
Cyclohexane
Concen: 21.74 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	25.8	38.6
84	89.4	67.8	101.6

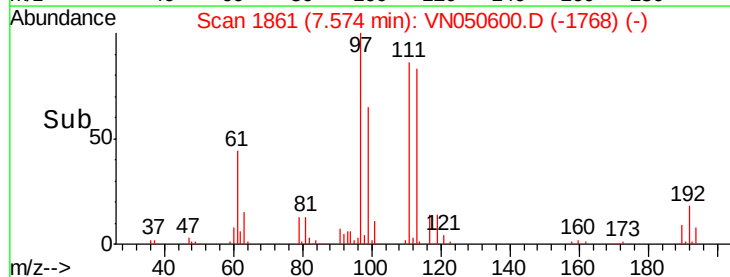
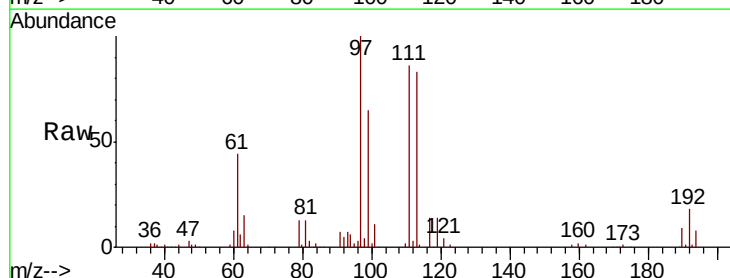
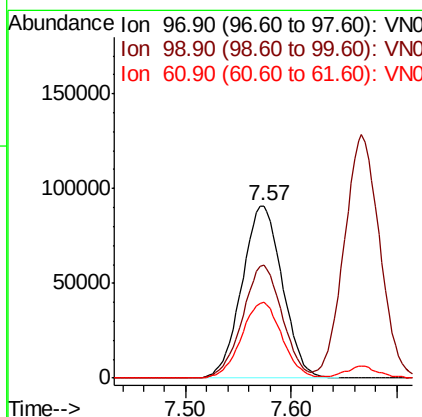
Manual Integrations
APPROVED

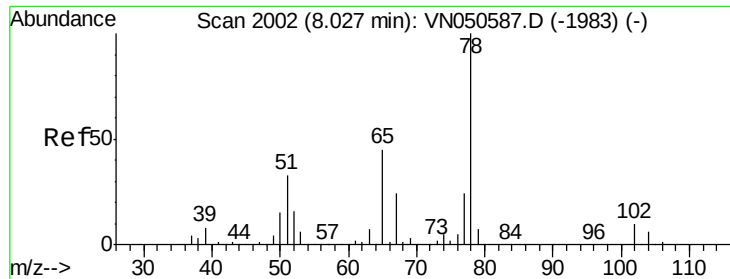
MMDadoda
8/15/2018 3:31:31 PM



#32
1,1,1-Trichloroethane
Concen: 21.43 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	43.8	34.8	52.2





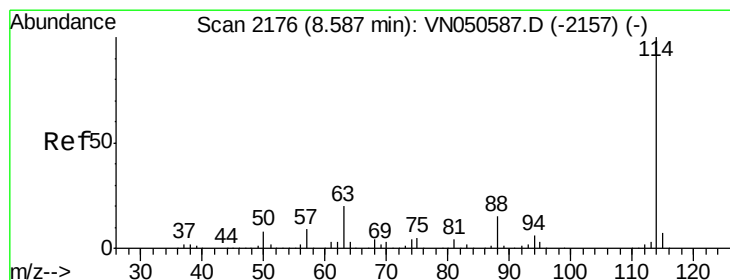
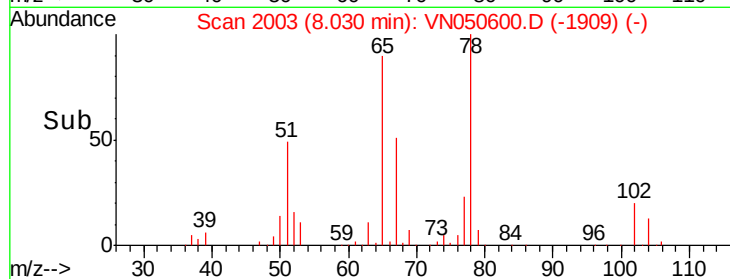
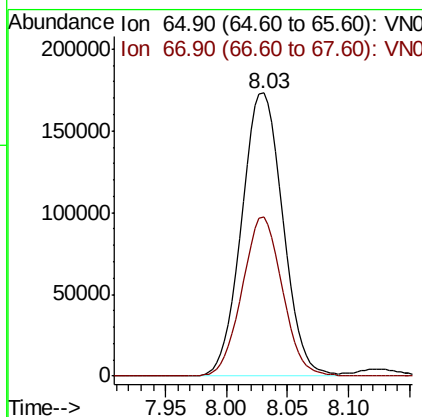
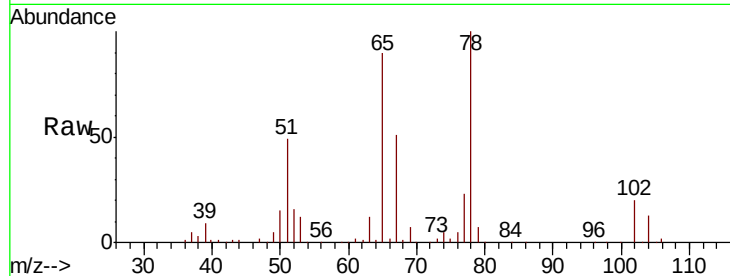
#33
 1,2-Dichloroethane-d4
 Concen: 54.31 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

Tot Ion: 65 Resp: 405760
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.8

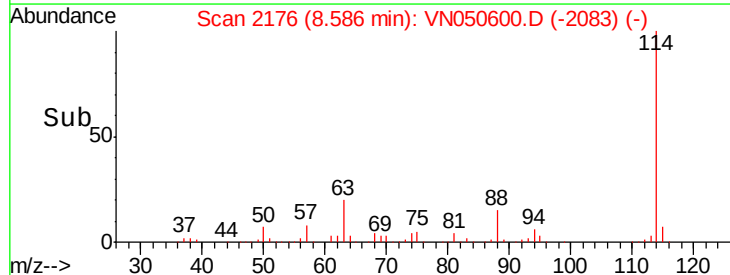
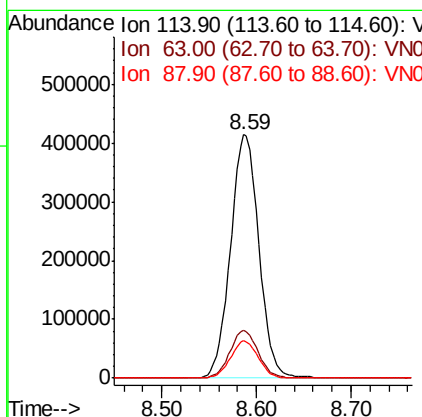
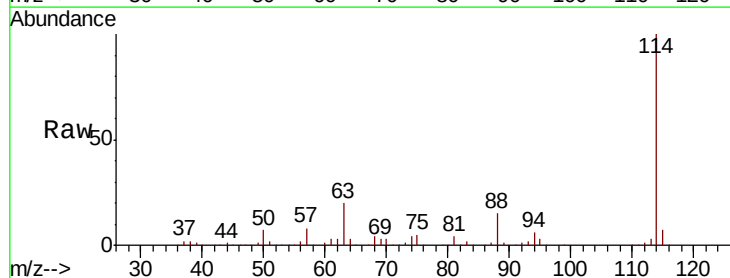
Manual Integrations
 APPROVED

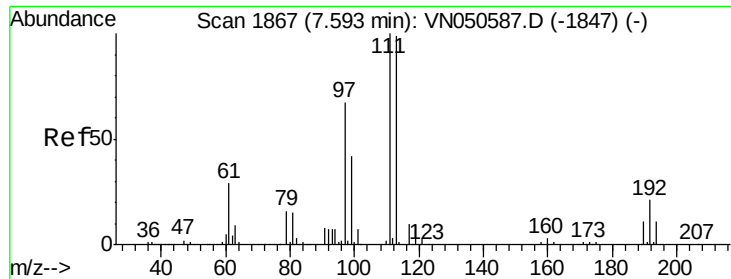
MMDadoda
 8/15/2018 3:31:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion: 114 Resp: 862794
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.4 0.0 30.8





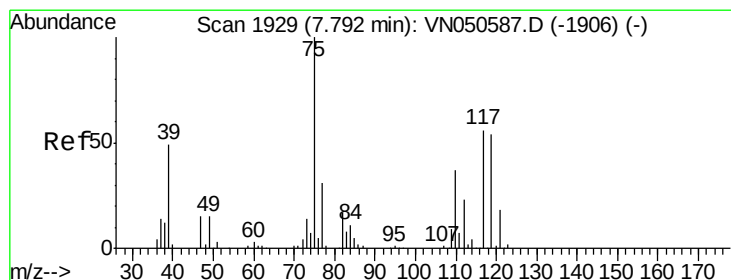
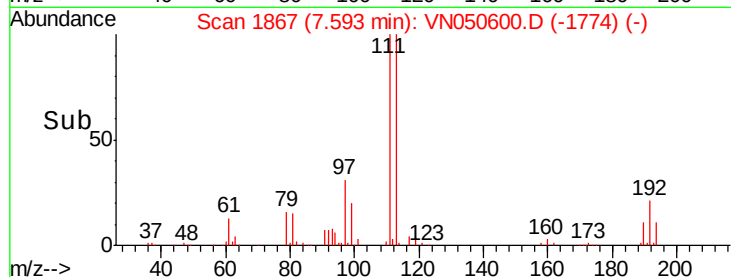
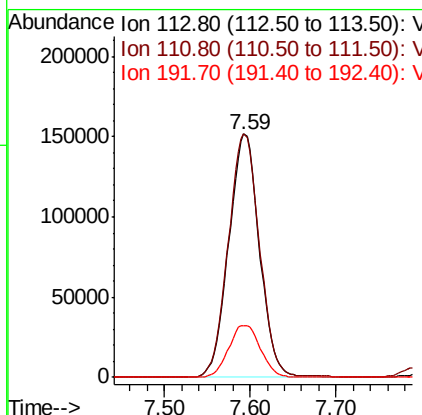
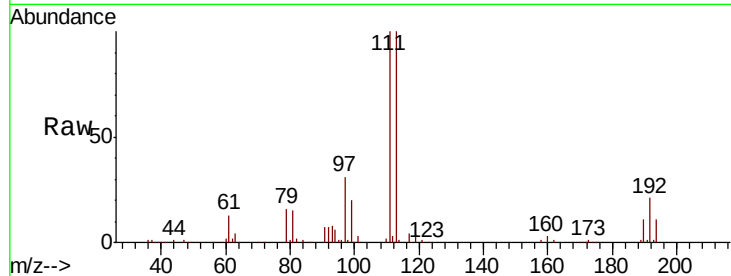
#35
 Dibromofluoromethane
 Concen: 54.53 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	375622		
111	102.2	81.0	121.6	
192	22.3	17.6	26.4	

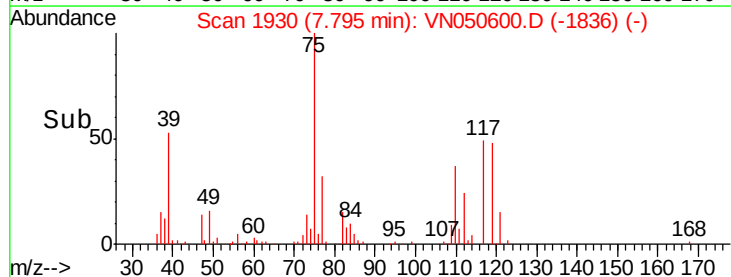
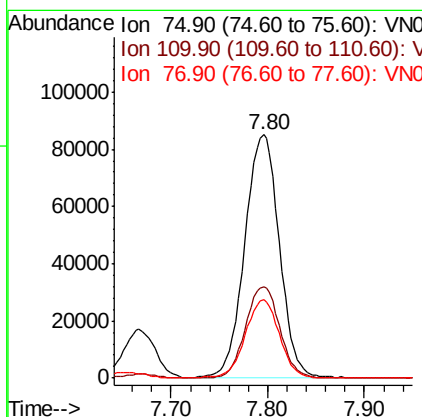
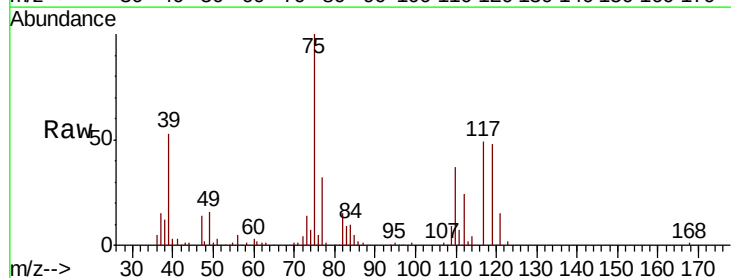
Manual Integrations
 APPROVED

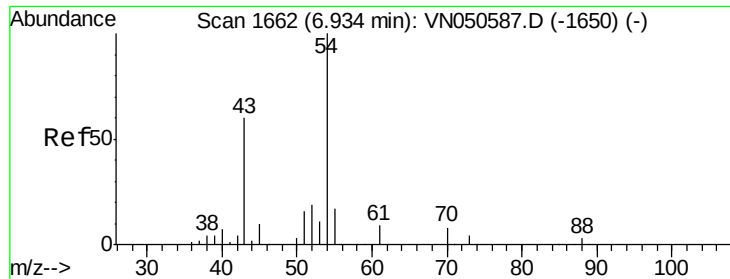
MMDadoda
 8/15/2018 3:31:31 PM



#36
 1,1-Dichloropropene
 Concen: 21.89 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	210260		
110	37.3	18.3	54.9	
77	32.1	25.0	37.4	





#37

Ethyl Acetate

Concen: 23.25 ug/l

RT: 6.94 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

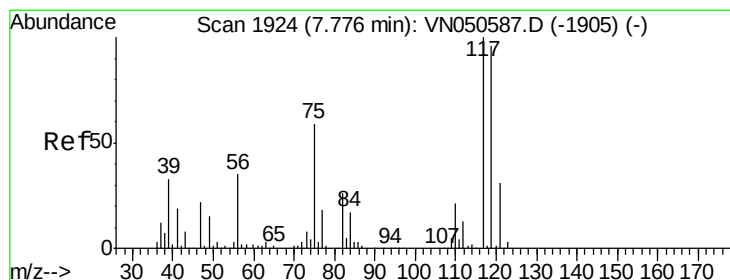
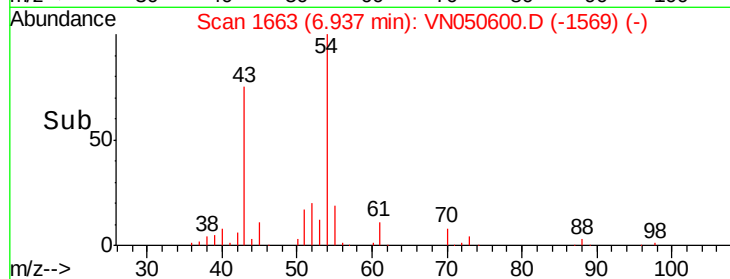
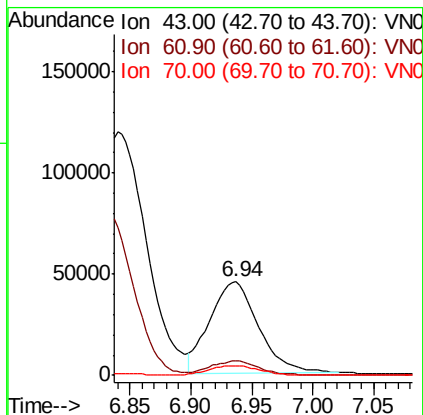
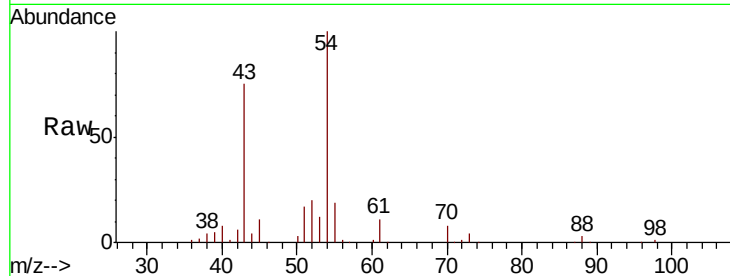
ClientSampled :

VN0814WBSD01

Tot Ion:	43	Resp:	126247
Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.0	18.0
70	11.5	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:31:31 PM



#38

Carbon Tetrachloride

Concen: 21.61 ug/l

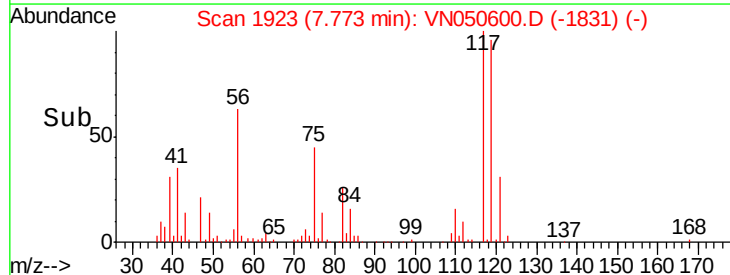
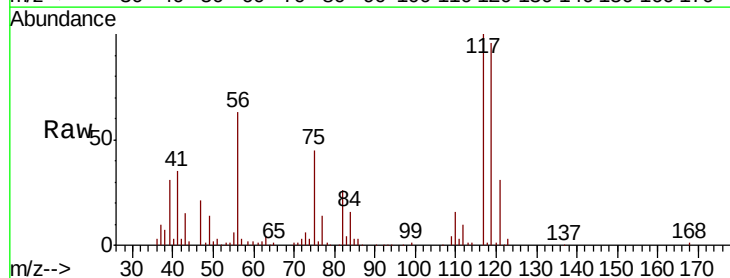
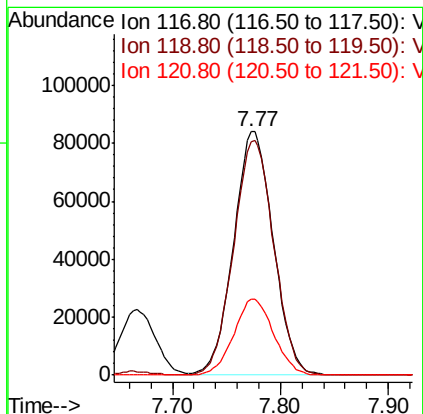
RT: 7.77 min Scan# 1923

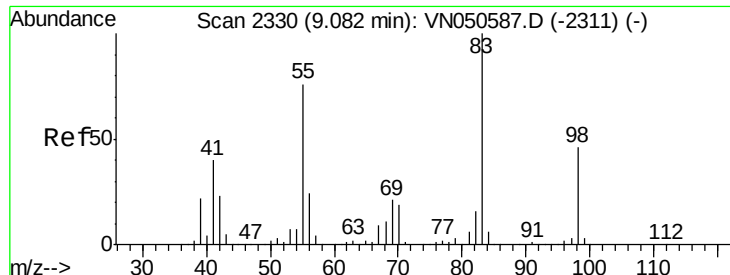
Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Tgt Ion:	117	Resp:	215358
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	115.0
121	31.2	25.0	37.6





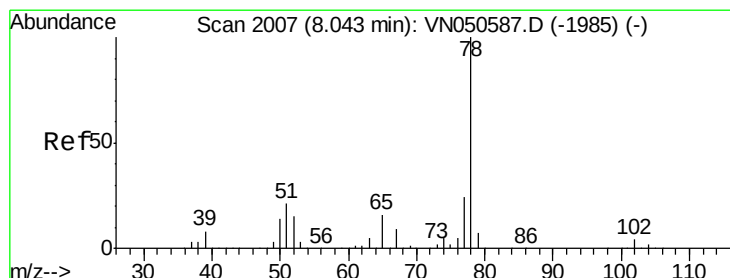
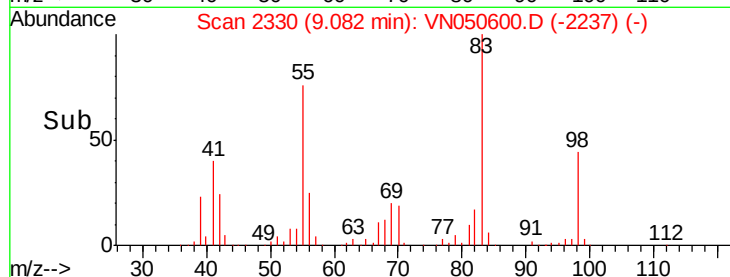
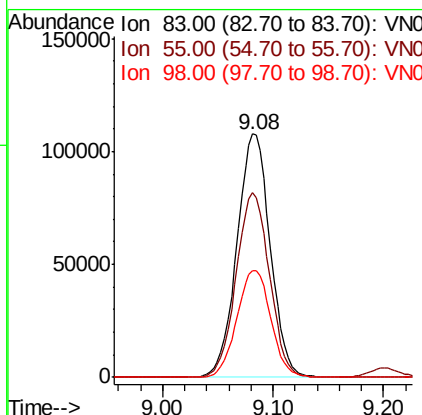
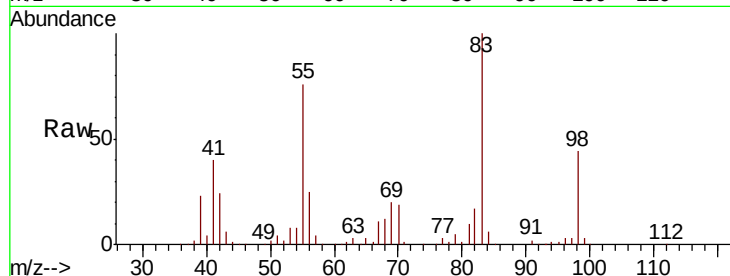
#39
Methylvlcyclohexane
Concen: 22.60 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	224715		
55	75.9		60.6	91.0
98	44.0		37.0	55.4

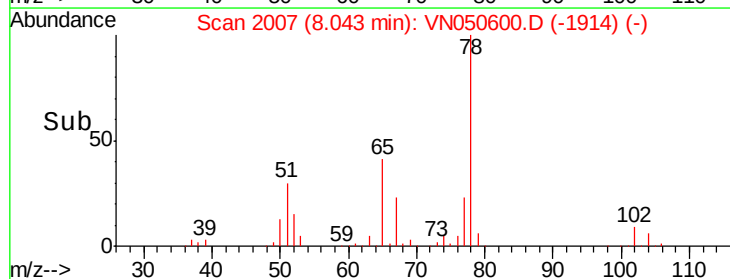
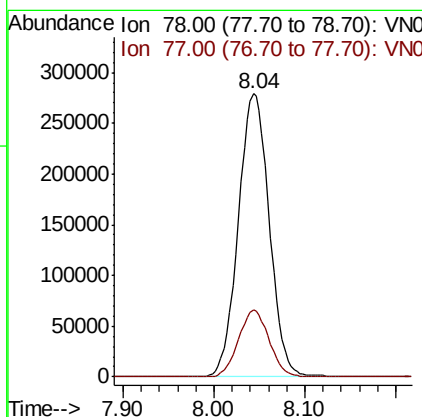
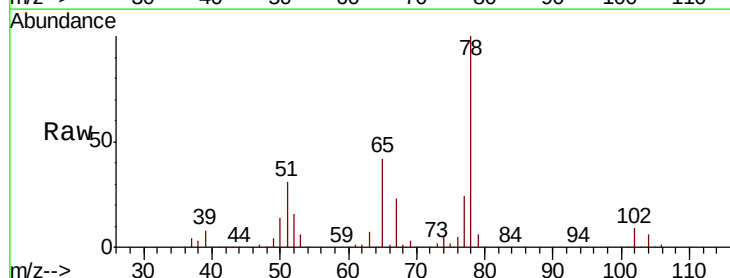
Manual Integrations
APPROVED

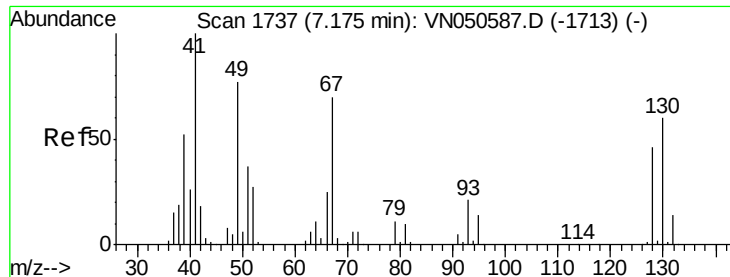
MMDadoda
8/15/2018 3:31:31 PM



#40
Benzene
Concen: 22.56 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	659193		
77	23.6		19.0	28.6





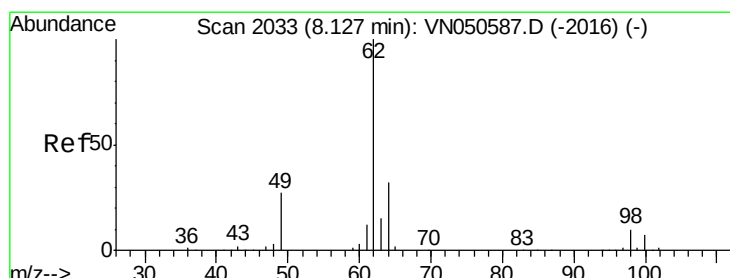
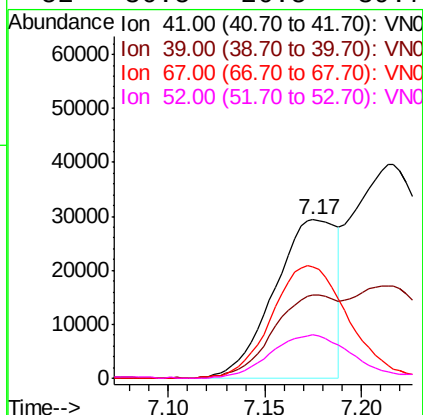
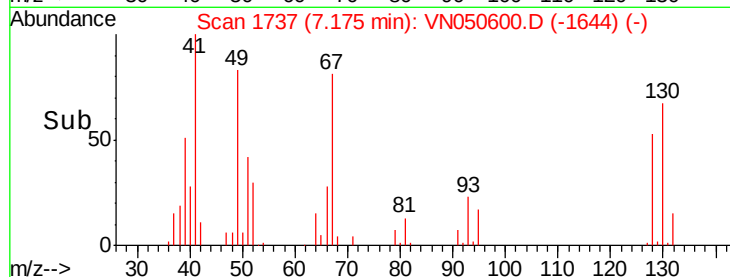
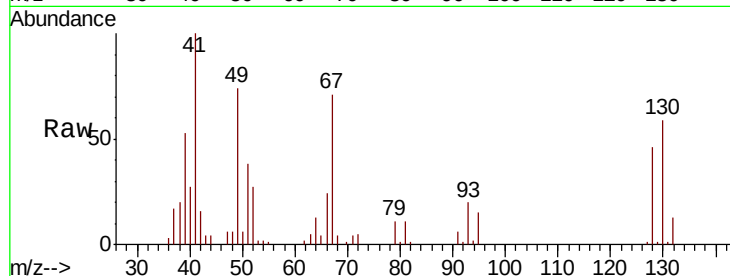
#41
Methacrylonitrile
Concen: 22.51 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion:	41	Resp:	66082
Ion	Ratio	Lower	Upper
41	100		
39	53.0	44.6	66.8
67	87.3	66.7	100.1
52	36.5	26.5	39.7

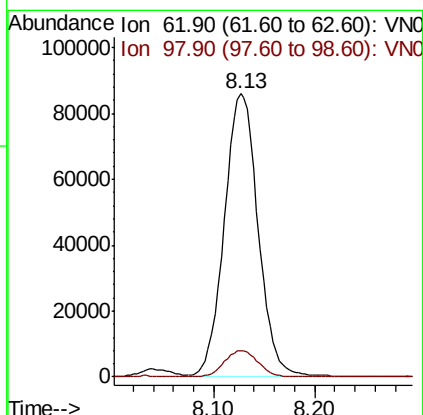
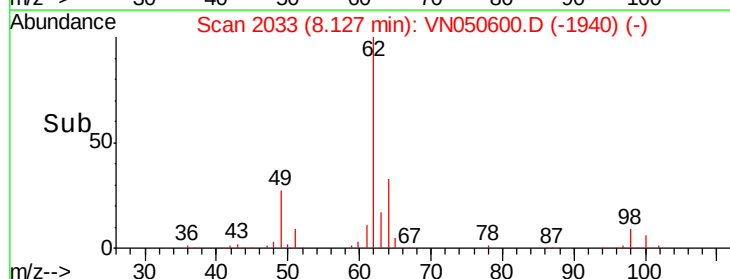
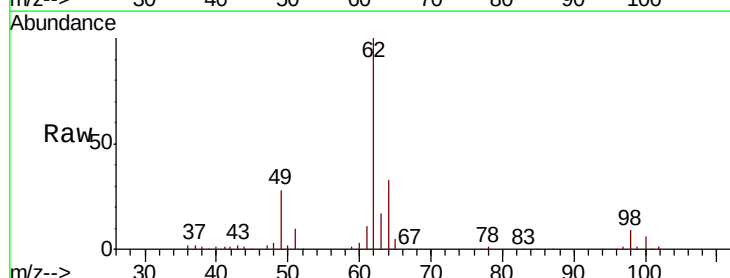
Manual Integrations
APPROVED

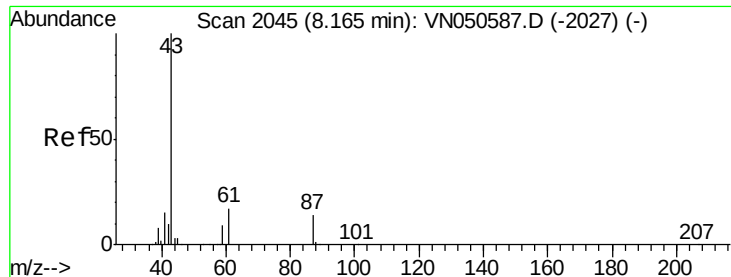
MMDadoda
8/15/2018 3:31:31 PM



#42
1,2-Dichloroethane
Concen: 22.35 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion:	62	Resp:	200116
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.4





#43

Isopropyl Acetate

Concen: 22.19 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

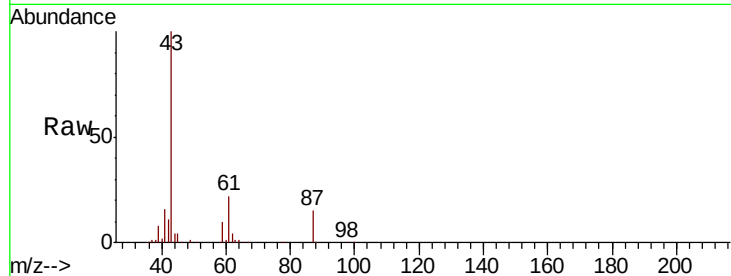
ClientSampleId :

VN0814WBSD01

Tot Ion:	43	Resp:	219588
Ion	Ratio	Lower	Upper
43	100		
61	30.5	16.2	24.2#
87	14.1	10.9	16.3

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:31:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050587.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050587.D (-2027) (-)

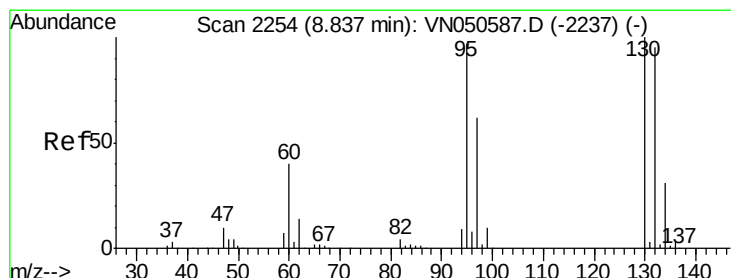
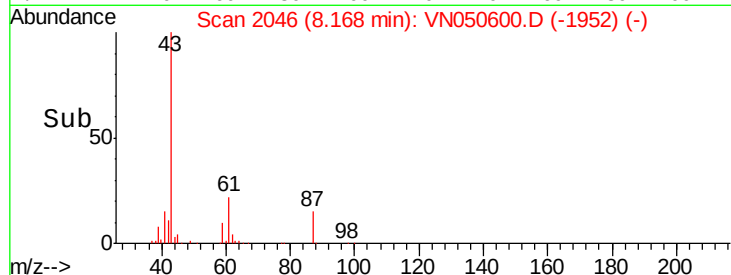
8.17

100000

50000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 21.62 ug/l

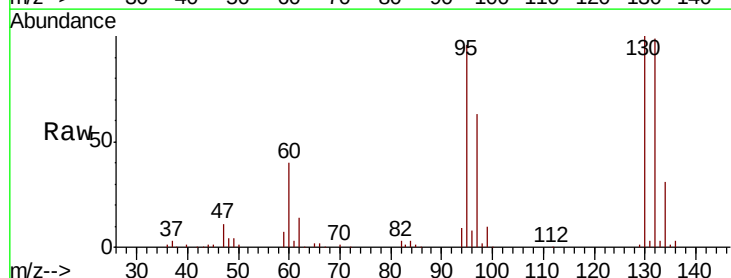
RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Tgt Ion:	130	Resp:	169181
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	193.8



Abundance Ion 129.80 (129.50 to 130.50): VN050587.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050587.D (-2237) (-)

8.84

80000

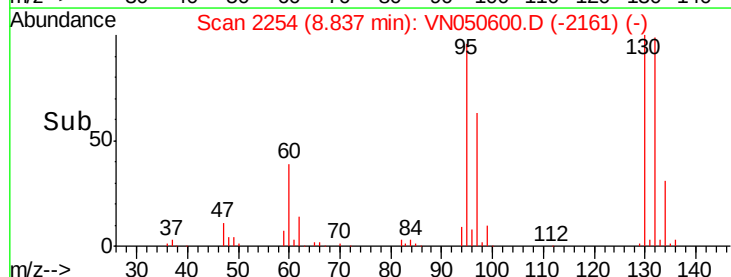
60000

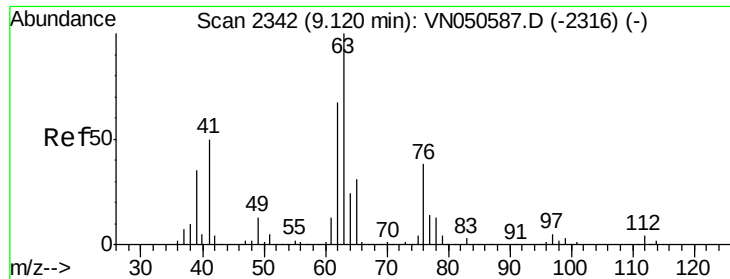
40000

20000

0

Time--> 8.80 8.90 9.00





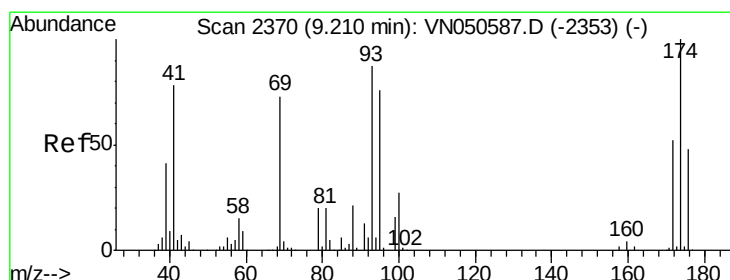
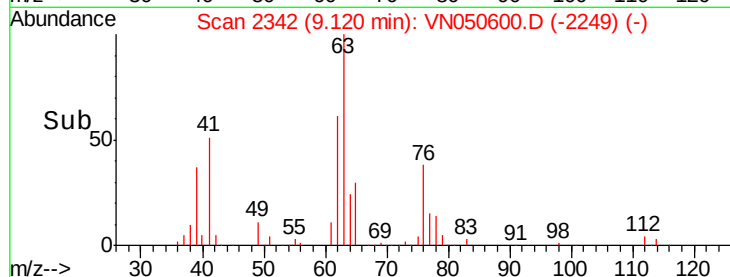
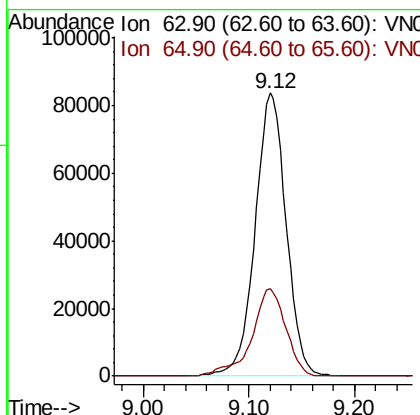
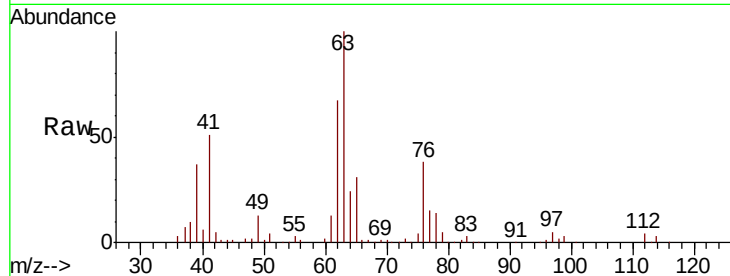
#45
 1,2-Dichloropropane
 Concen: 22.05 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tot Ion	63	Resp	171531
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.5	36.7

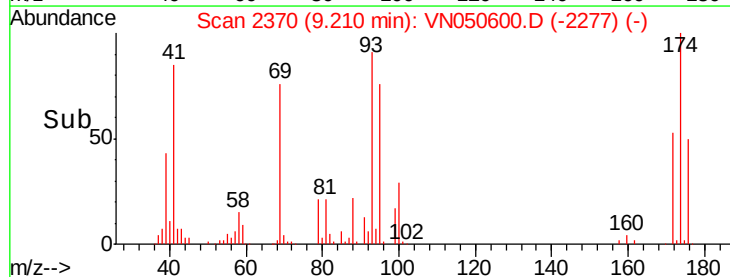
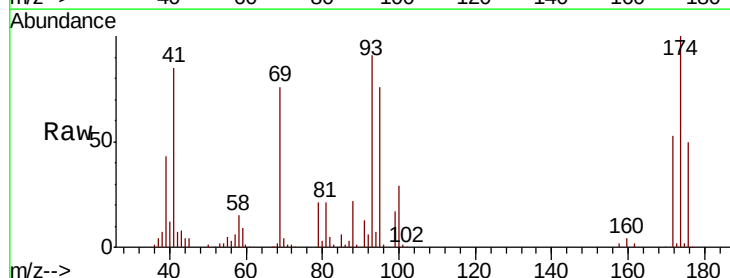
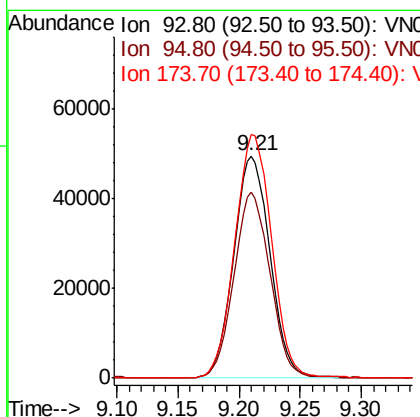
Manual Integrations
 APPROVED

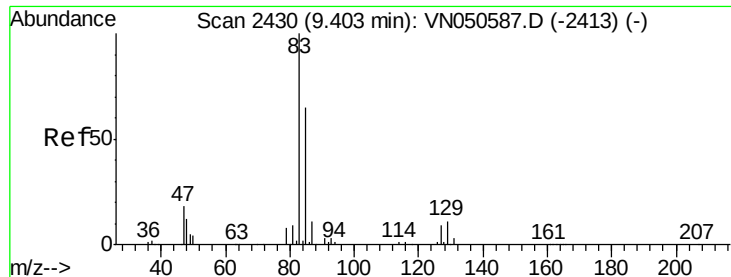
MMDadoda
 8/15/2018 3:31:31 PM



#46
 Dibromomethane
 Concen: 22.24 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	93	Resp	102131
Ion	Ratio	Lower	Upper
93	100		
95	83.3	69.1	103.7
174	111.6	91.0	136.6





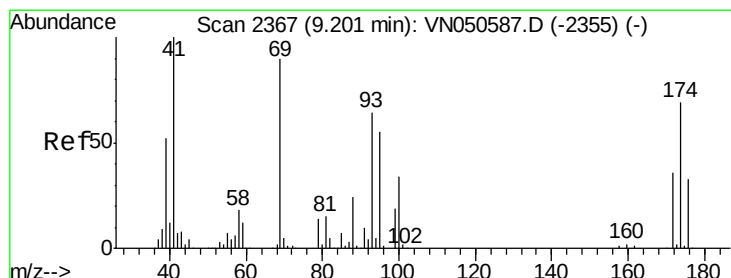
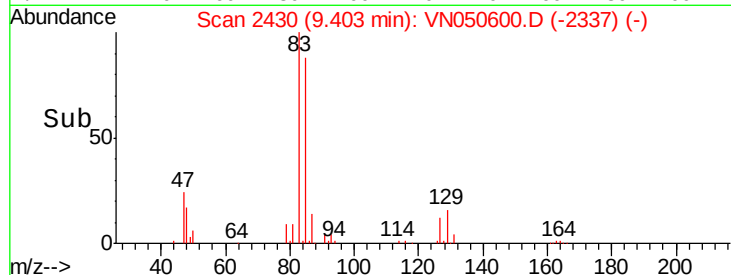
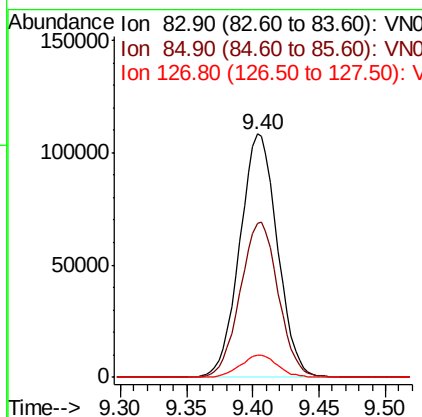
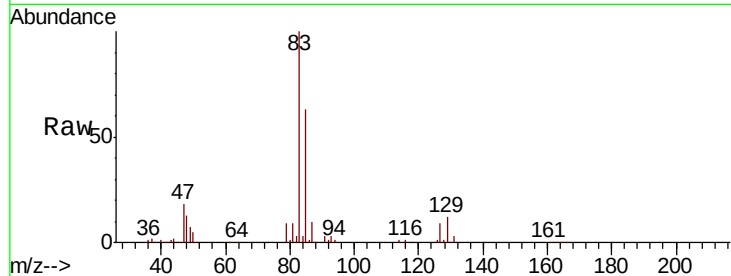
#47
Bromodichloromethane
Concen: 21.75 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	213518		
85	63.1	51.8	77.6	
127	8.9	7.2	10.8	

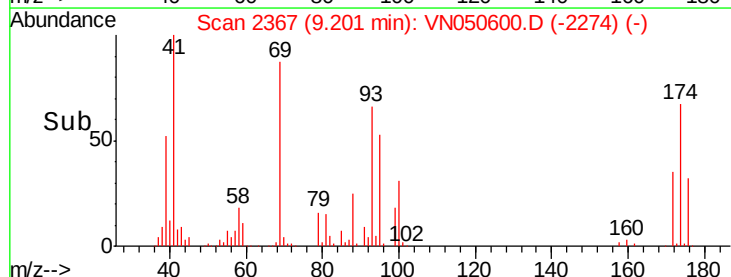
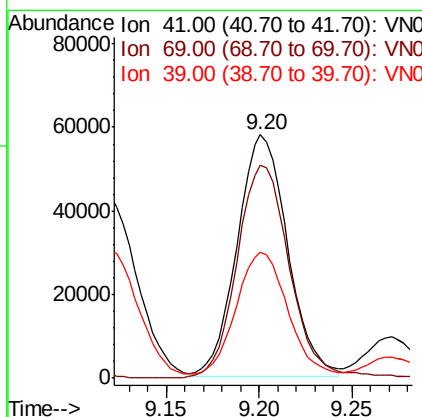
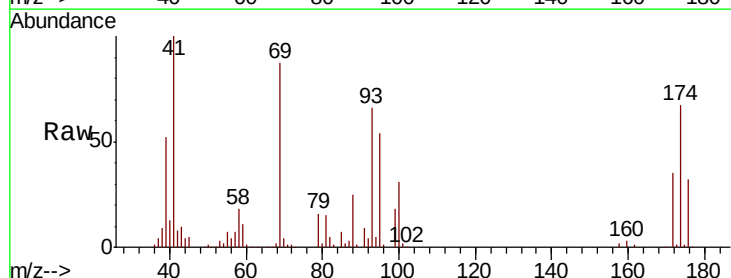
Manual Integrations
APPROVED

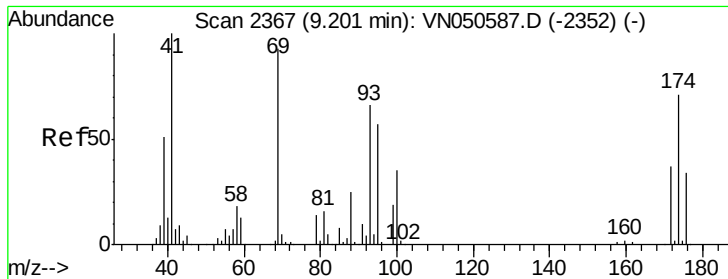
MMDadoda
8/15/2018 3:31:31 PM



#48
Methyl methacrylate
Concen: 22.12 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	110128		
69	92.3	73.4	110.0	
39	53.6	43.0	64.6	





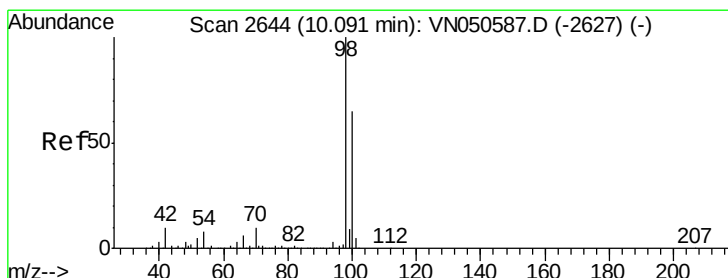
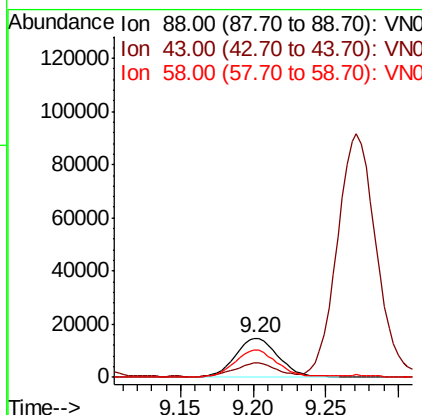
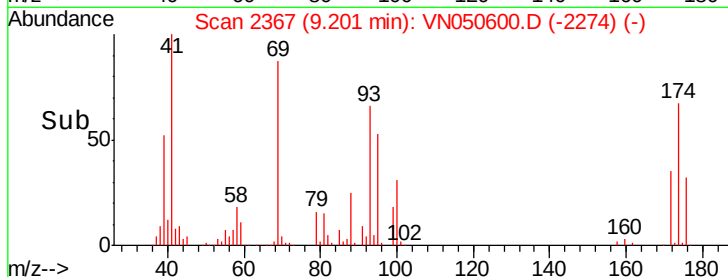
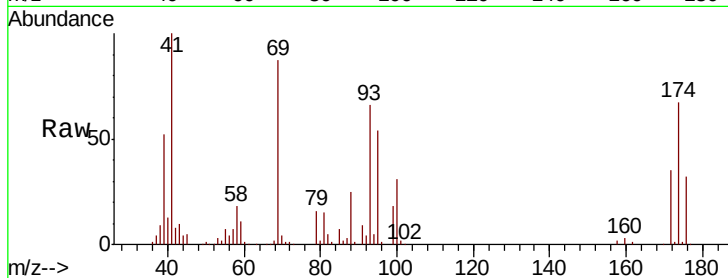
#49
1,4-Dioxane
Concen: 465.16 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion	88	Resp	30507
Ion	Ratio	Lower	Upper
88	100		
43	32.4	25.9	38.9
58	69.7	56.5	84.7

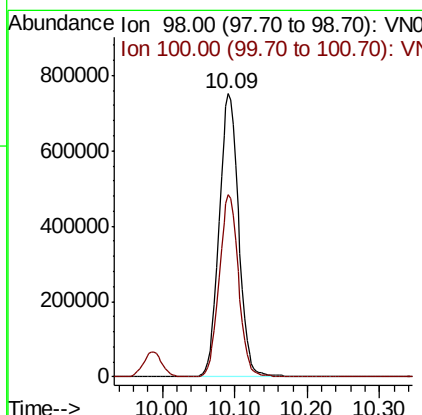
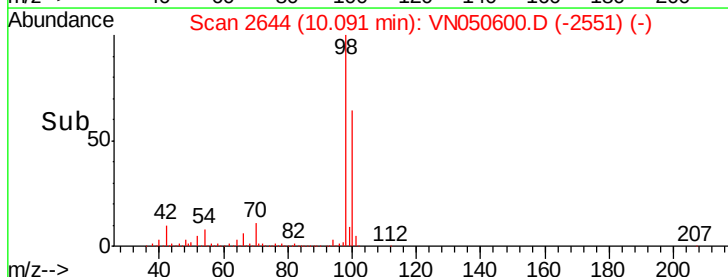
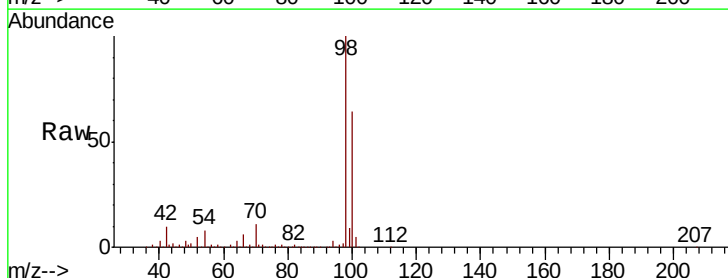
Manual Integrations
APPROVED

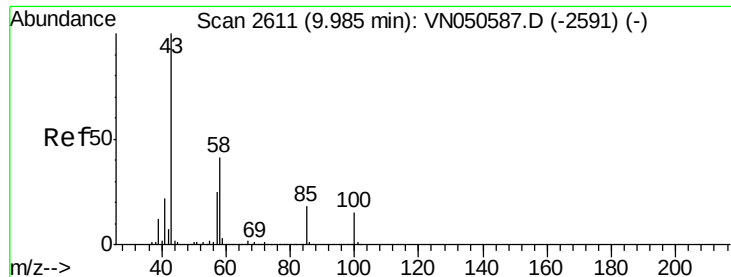
MMDadoda
8/15/2018 3:31:31 PM



#50
Toluene-d8
Concen: 53.88 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	98	Resp	1396837
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 119.61 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tot Ion: 43 Resp: 800367

Ion Ratio Lower Upper

43 100

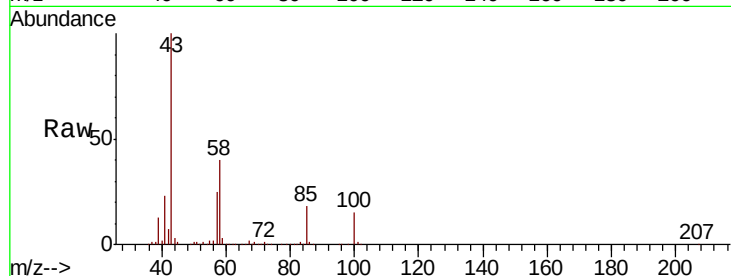
58 40.2 32.5 48.7

Manual Integrations

APPROVED

MMDadoda

8/15/2018 3:31:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

400000

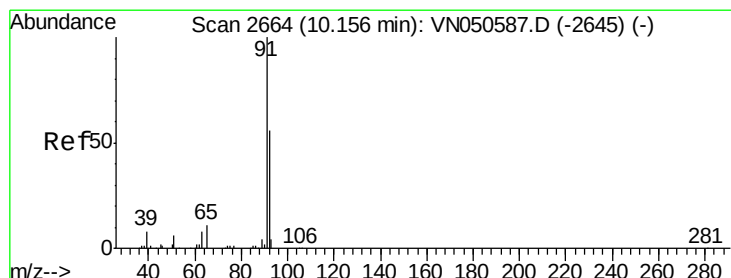
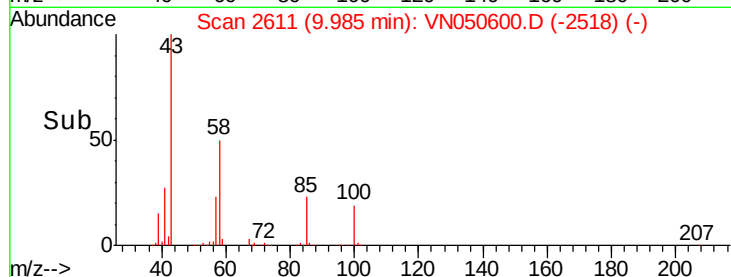
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 22.87 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050600.D

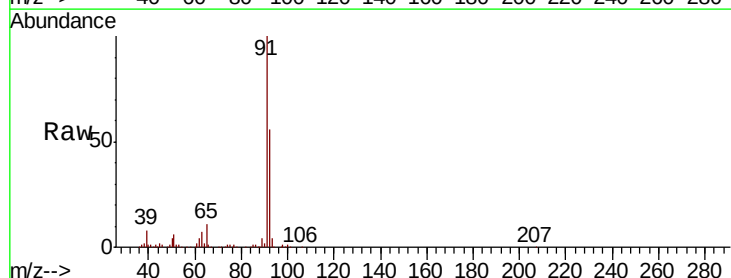
Acq: 14 Aug 2018 14:22

Tgt Ion: 92 Resp: 398891

Ion Ratio Lower Upper

92 100

91 175.9 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

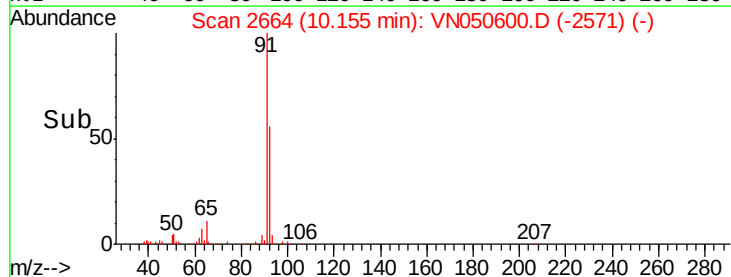
300000

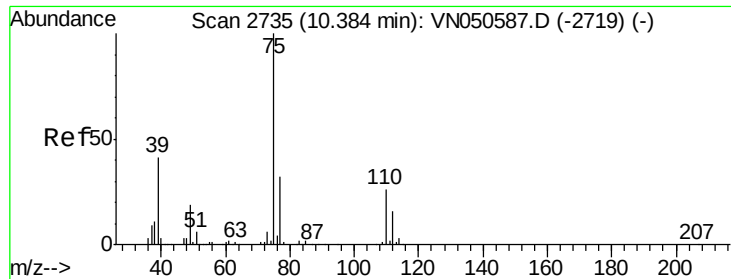
200000

100000

0

Time-->





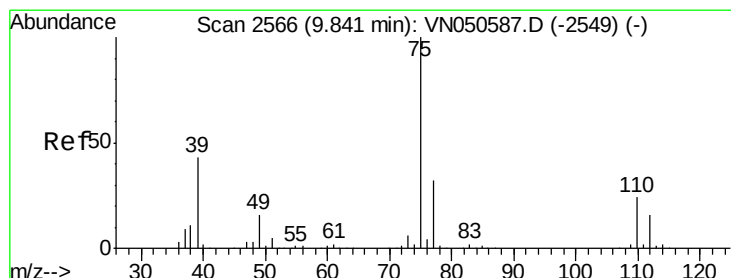
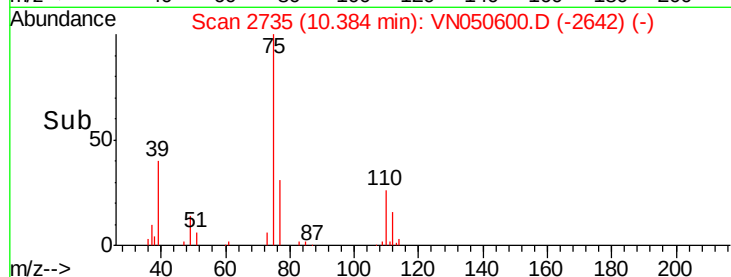
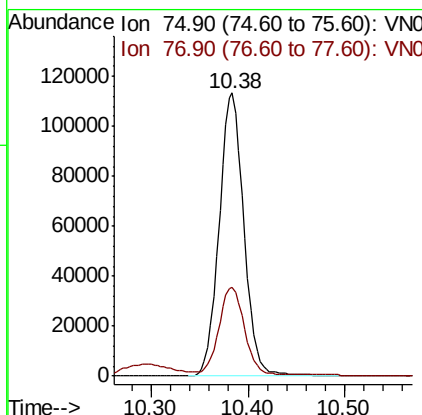
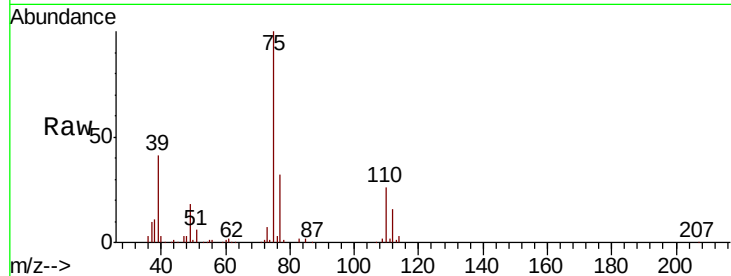
#53
t-1,3-Dichloropropene
Concen: 22.01 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.6

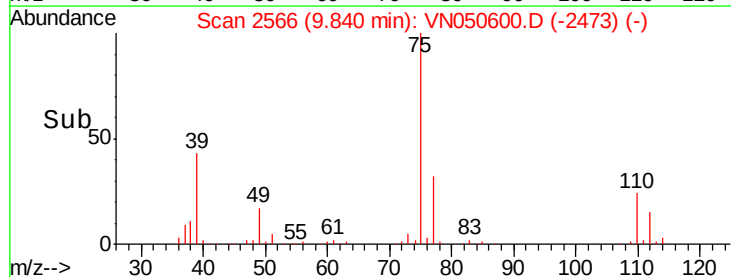
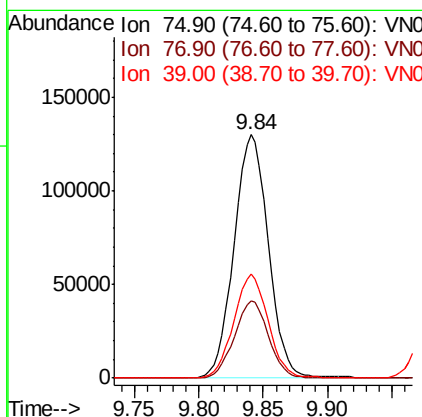
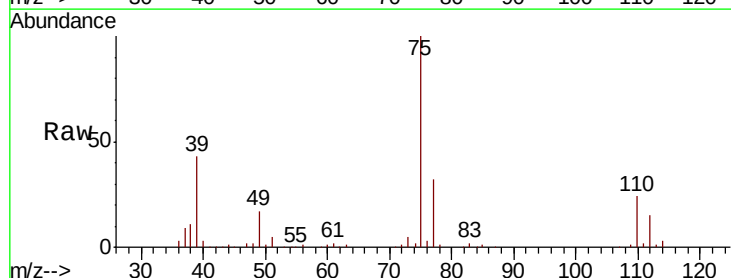
Manual Integrations
APPROVED

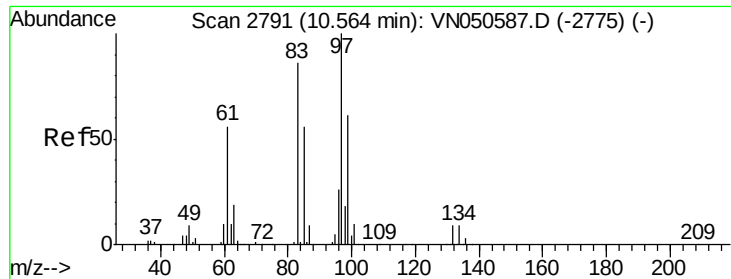
MMDadoda
8/15/2018 3:31:31 PM



#54
cis-1,3-Dichloropropene
Concen: 22.94 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	42.6	34.4	51.6





#55

1,1,2-Trichloroethane

Concen: 22.19 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tot Ion: 97 Resp: 144639

Ion Ratio Lower Upper

97 100

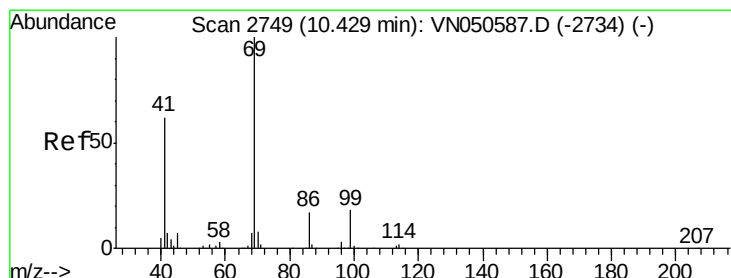
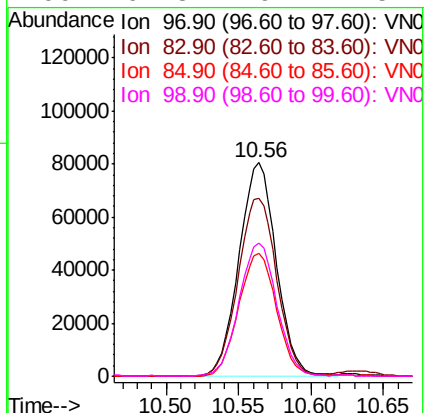
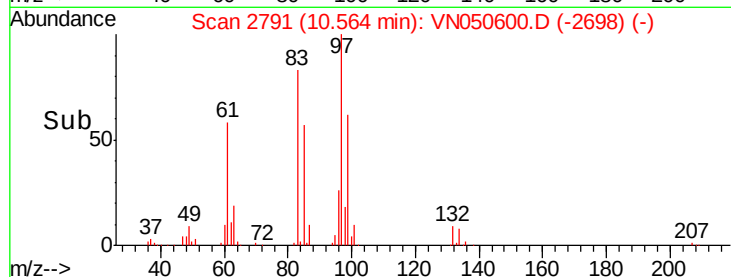
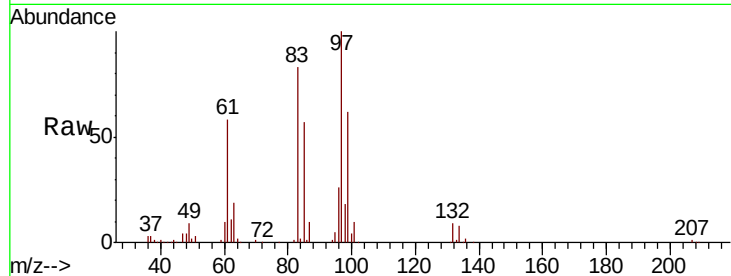
83 83.4 68.5 102.7

85 57.4 44.6 66.8

99 61.8 49.1 73.7

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:31:31 PM



#56

Ethyl methacrylate

Concen: 21.61 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

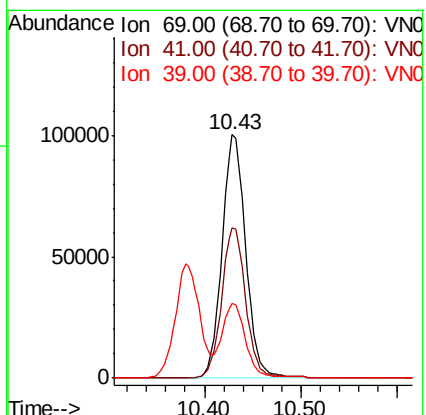
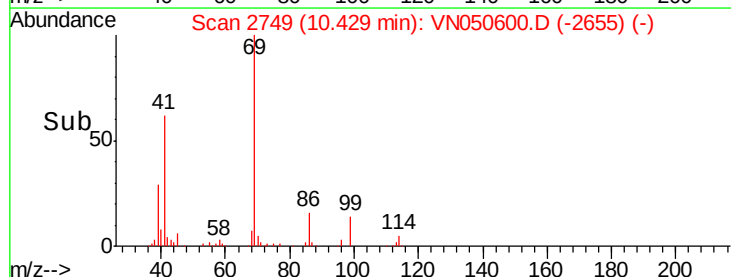
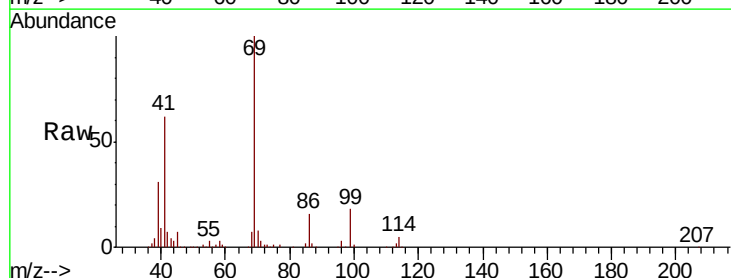
Tgt Ion: 69 Resp: 170291

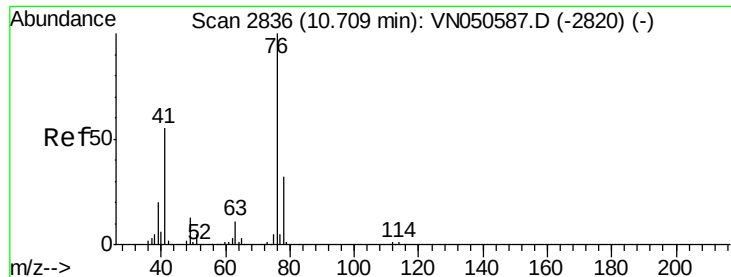
Ion Ratio Lower Upper

69 100

41 61.9 49.7 74.5

39 30.6 24.2 36.2





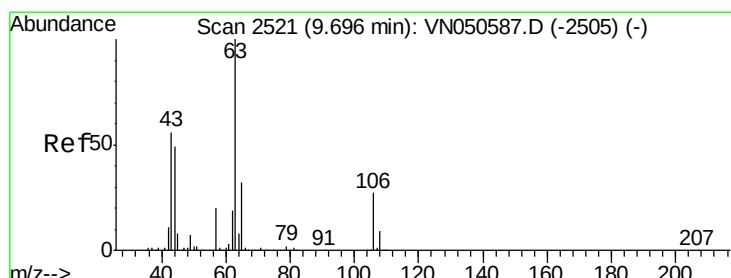
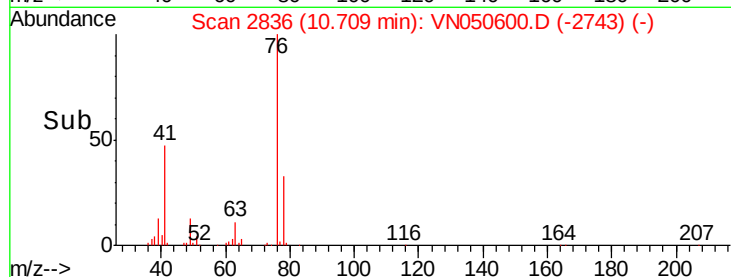
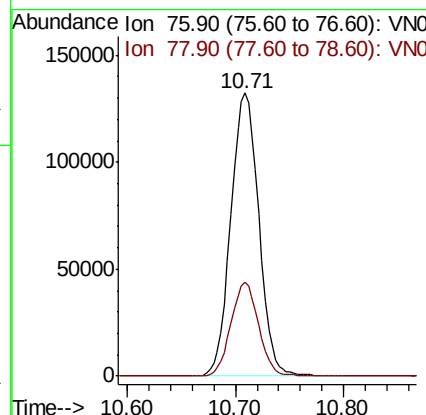
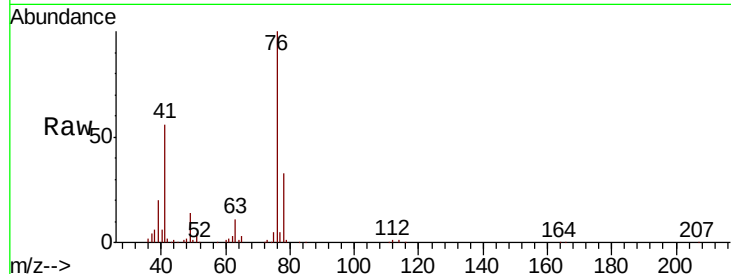
#57
 1,3-Dichloropropane
 Concen: 22.46 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6

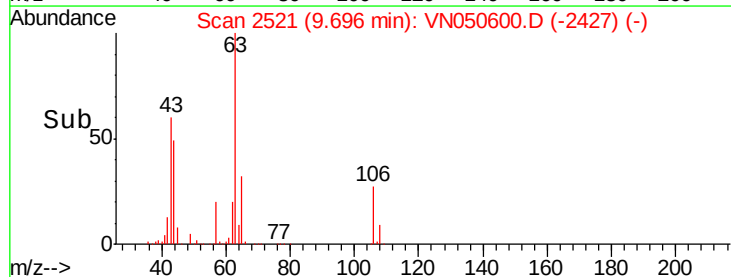
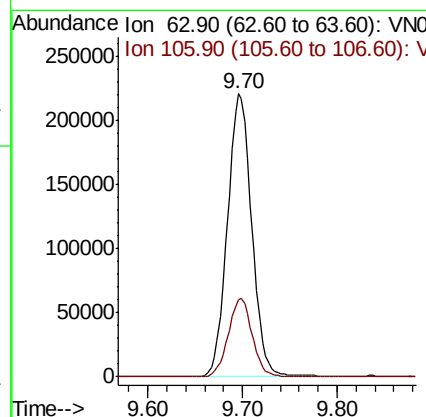
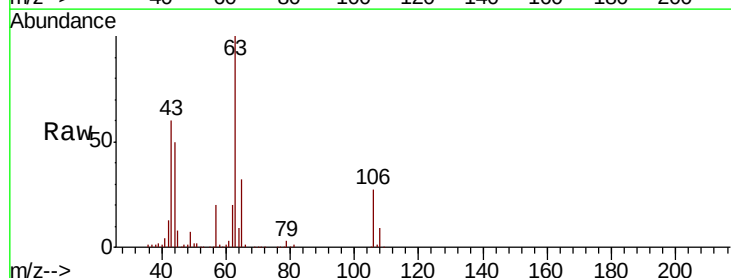
Manual Integrations
 APPROVED

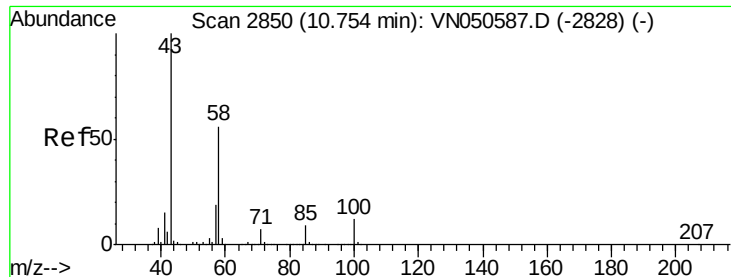
MMDadoda
 8/15/2018 3:31:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.43 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.7	32.5





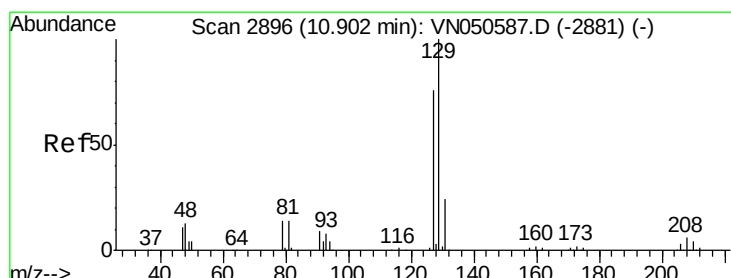
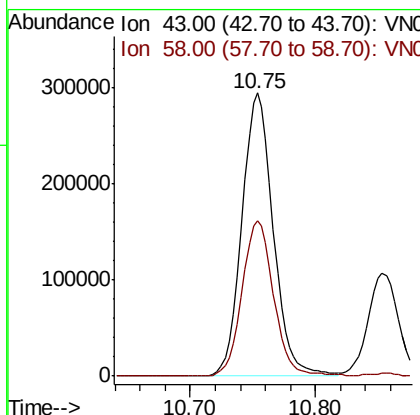
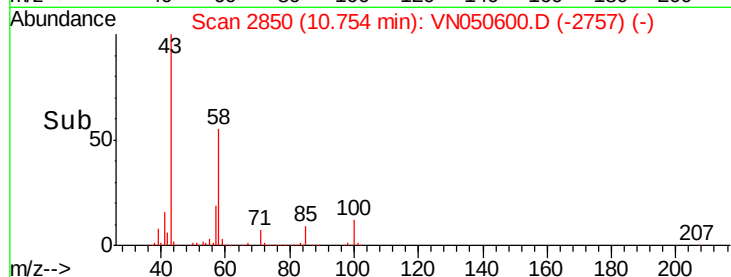
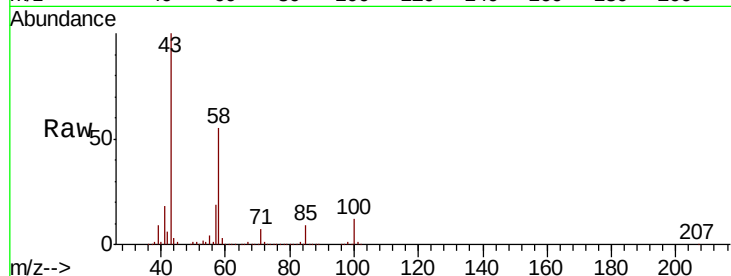
#59
2-Hexanone
Concen: 118.33 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	28.0	84.0

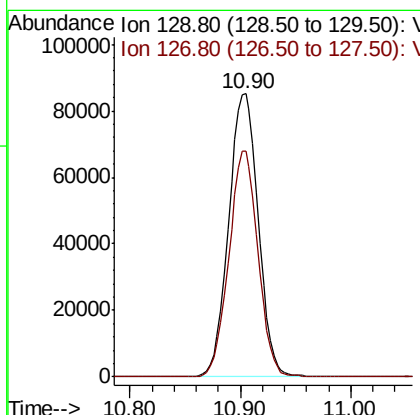
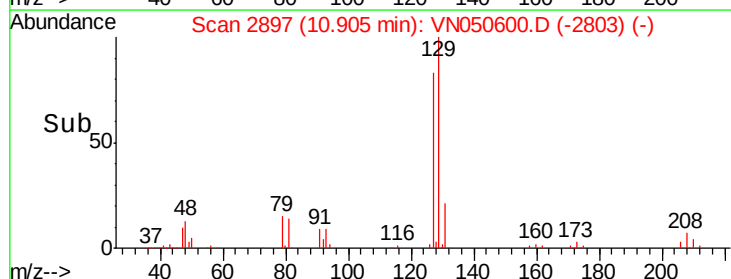
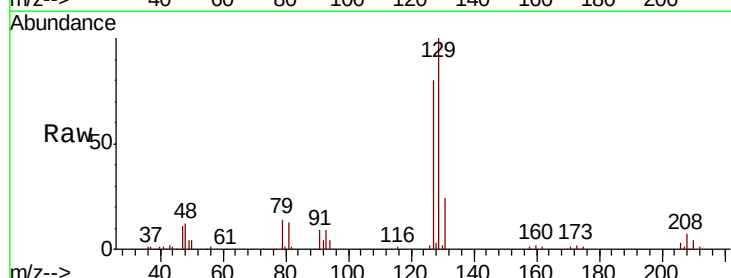
Manual Integrations
APPROVED

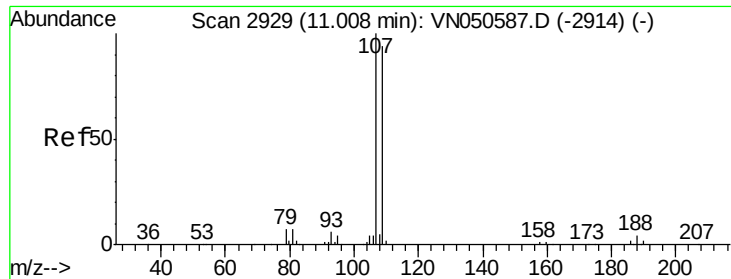
MMDadoda
8/15/2018 3:31:31 PM



#60
Dibromochloromethane
Concen: 22.04 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.9	116.7





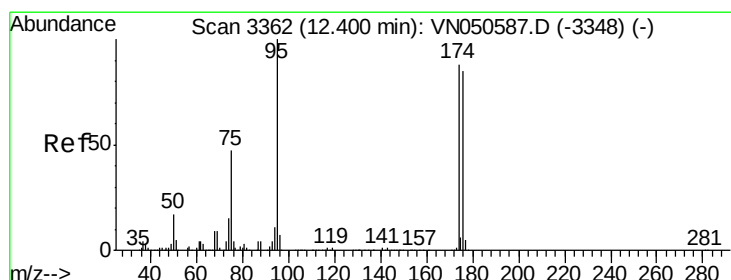
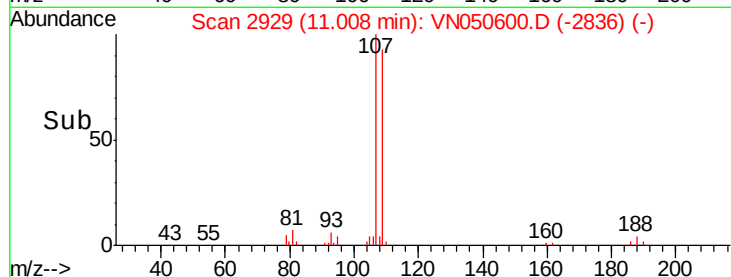
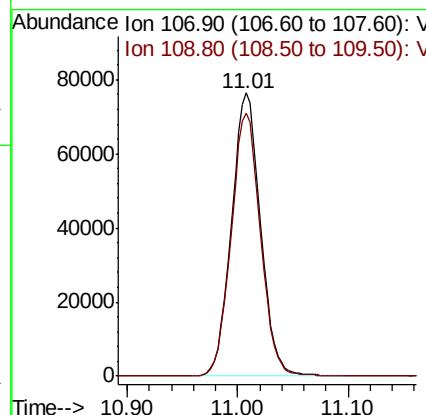
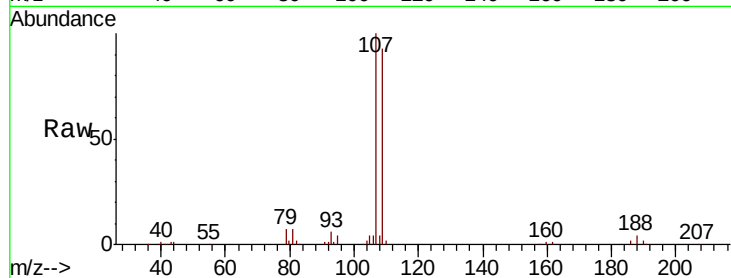
#61
 1,2-Dibromoethane
 Concen: 22.44 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.7	113.5

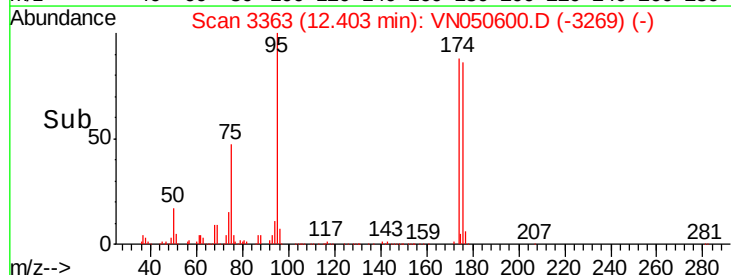
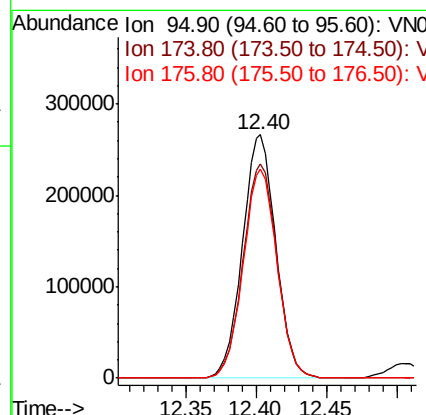
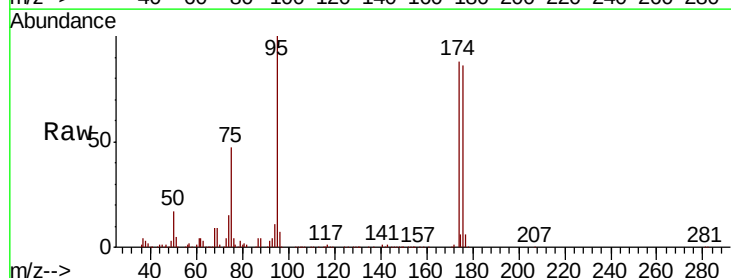
Manual Integrations
 APPROVED

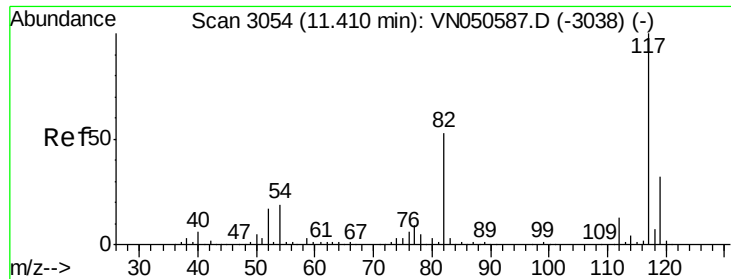
MMDadoda
 8/15/2018 3:31:31 PM



#62
 4-Bromofluorobenzene
 Concen: 51.56 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	177.8
176	87.0	0.0	175.0





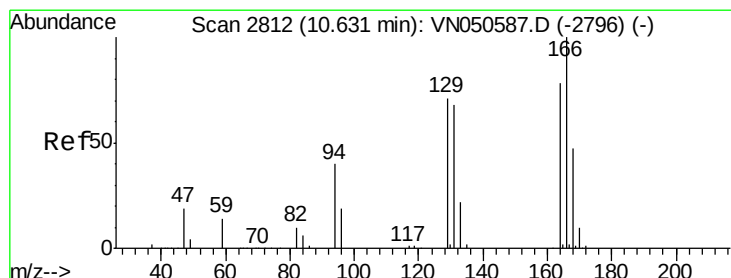
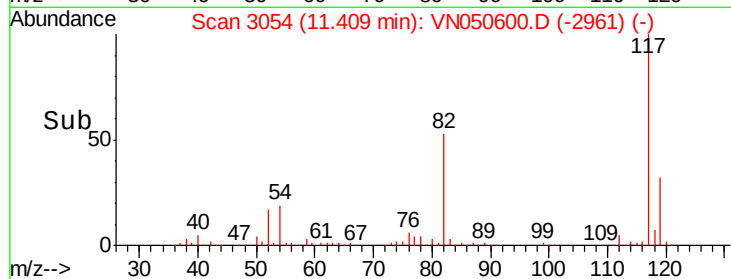
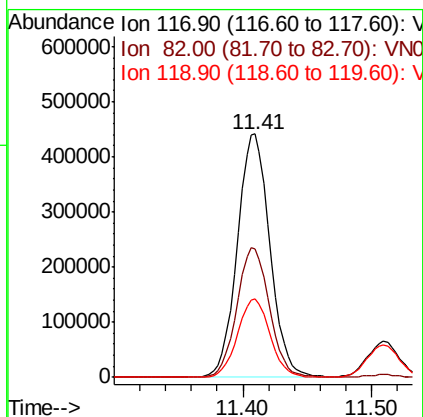
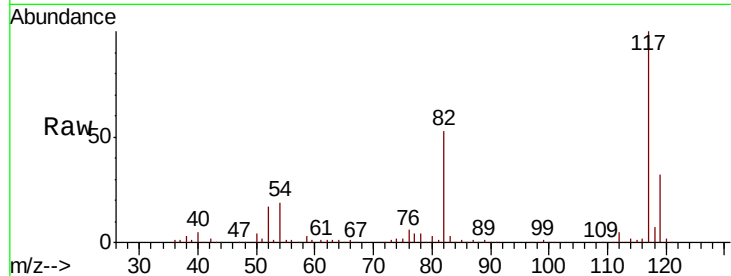
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.4	63.6
119	32.3	25.8	38.8

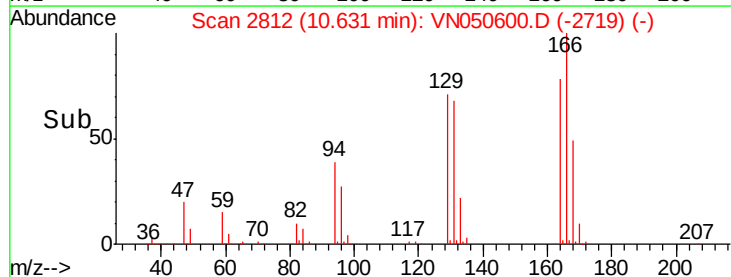
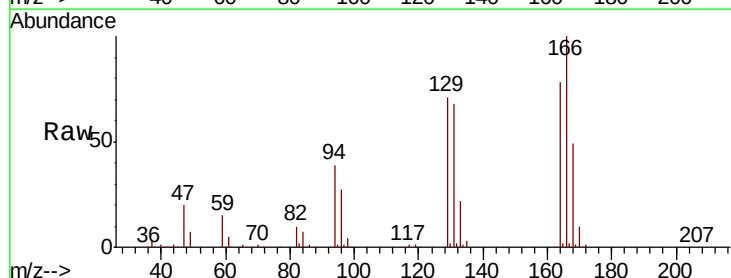
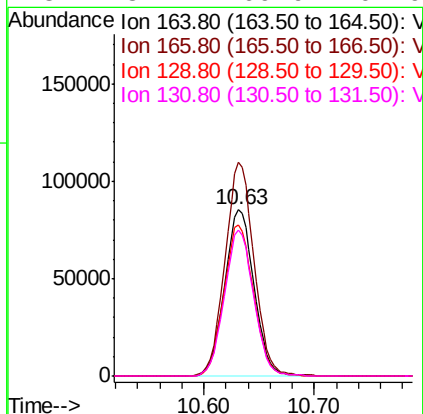
Manual Integrations
APPROVED

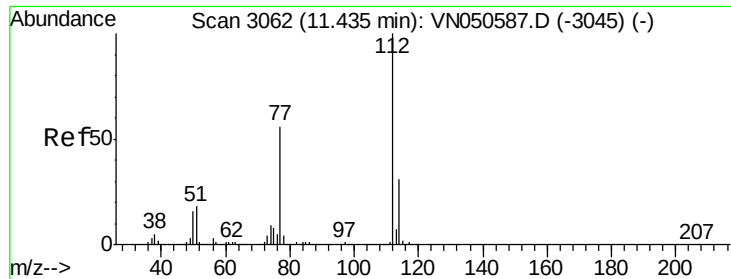
MMDadoda
8/15/2018 3:31:31 PM



#64
Tetrachloroethene
Concen: 21.90 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.1	153.1
129	91.5	72.7	109.1
131	87.7	69.9	104.9





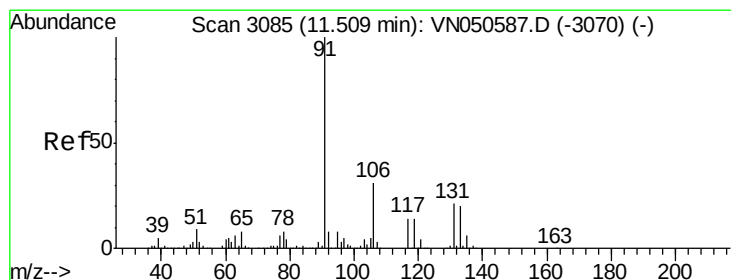
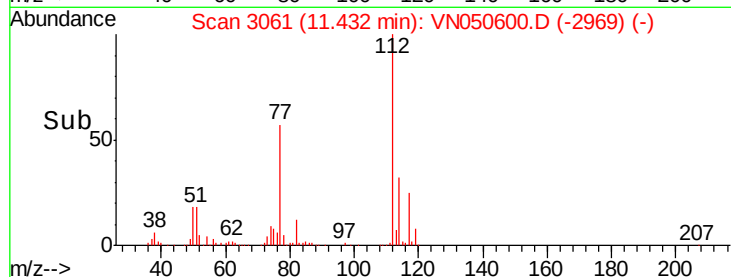
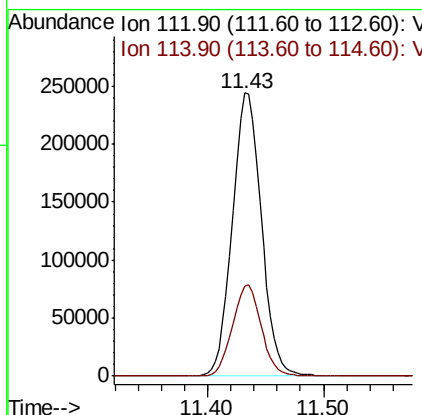
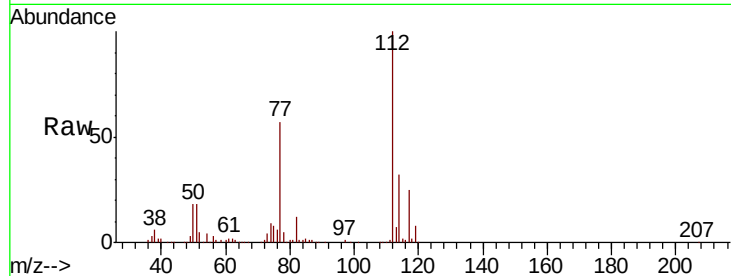
#65
Chlorobenzene
Concen: 21.87 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.2	37.8

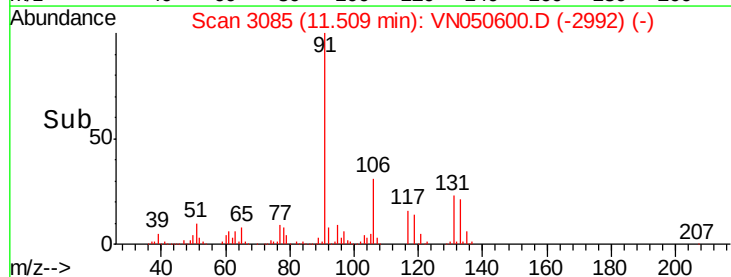
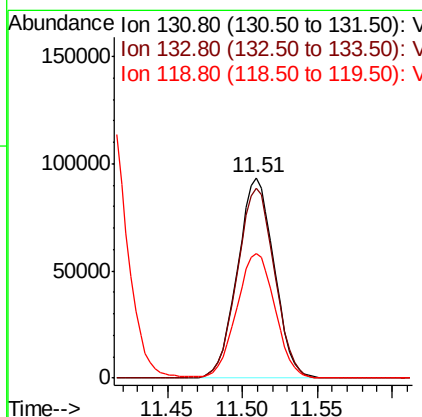
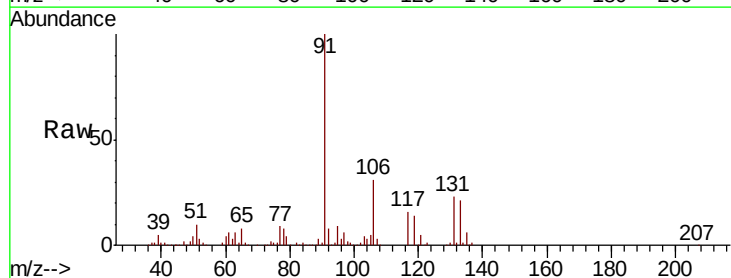
Manual Integrations
APPROVED

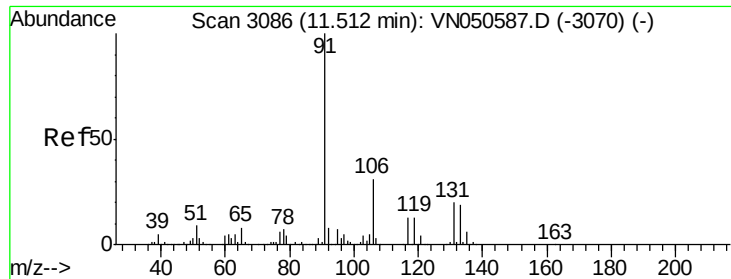
MMDadoda
8/15/2018 3:31:31 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.01 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.6	142.9
119	64.9	33.1	99.3





#67

Ethyl Benzene

Concen: 22.35 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

ClientSampled :

VN0814WBSD01

Tot Ion: 91 Resp: 696615

Ion Ratio Lower Upper

91 100

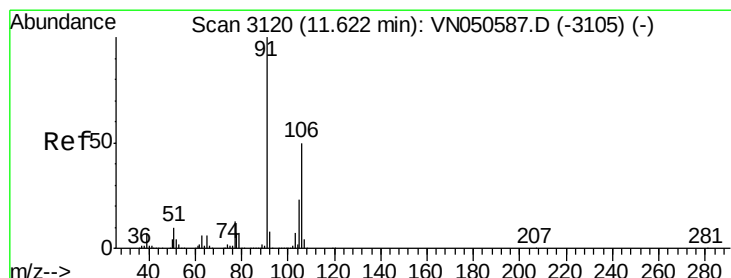
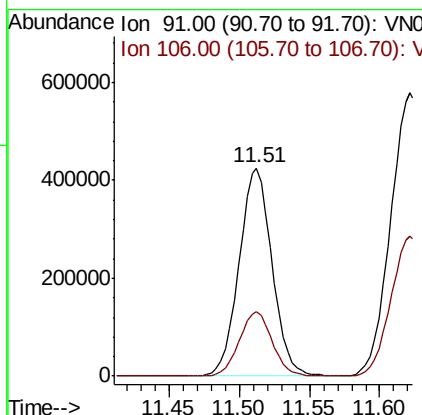
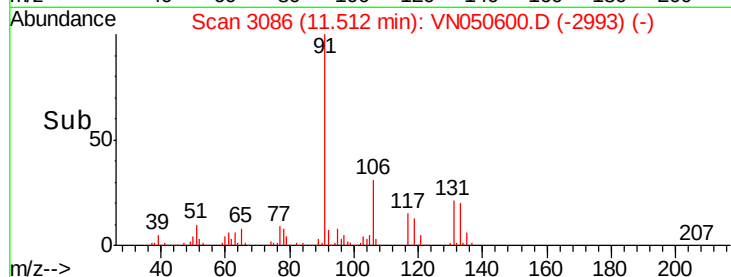
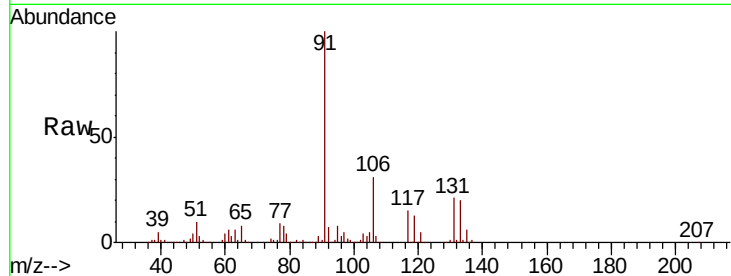
106 30.8 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

8/15/2018 3:31:31 PM



#68

m/p-Xylenes

Concen: 45.91 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050600.D

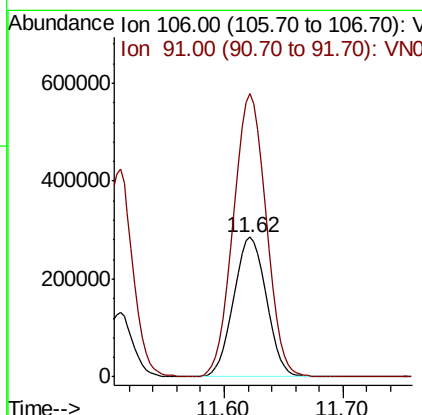
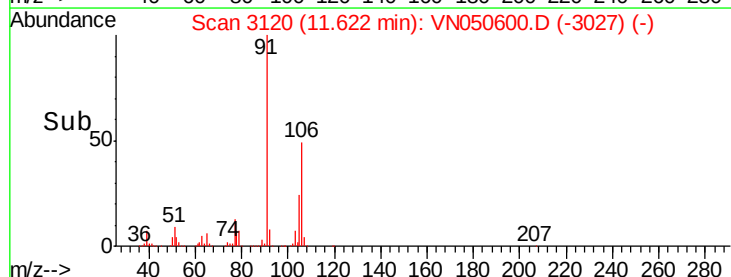
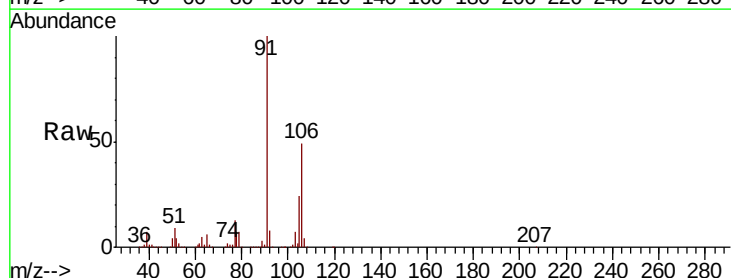
Acq: 14 Aug 2018 14:22

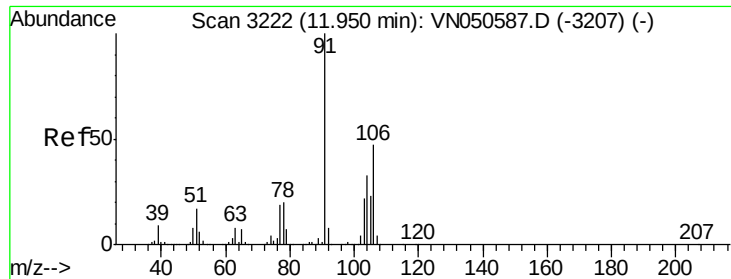
Tgt Ion: 106 Resp: 547387

Ion Ratio Lower Upper

106 100

91 202.4 161.5 242.3





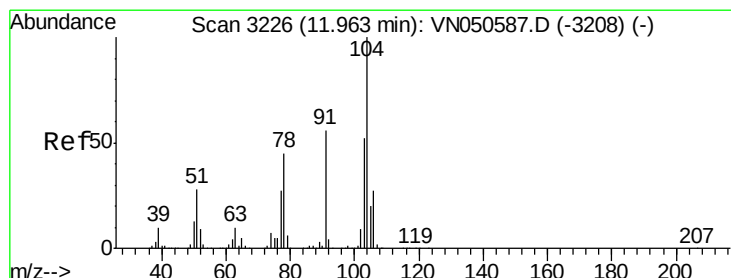
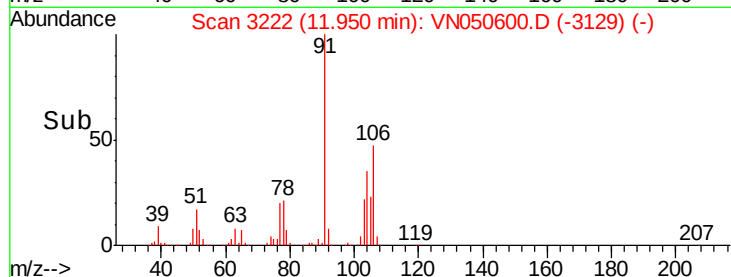
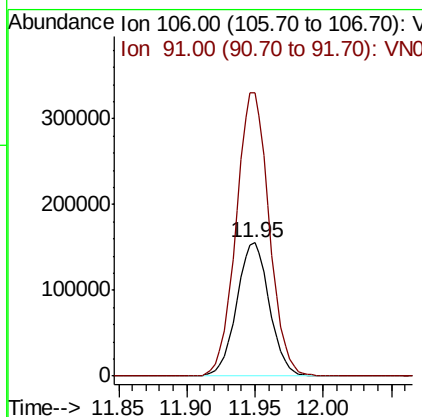
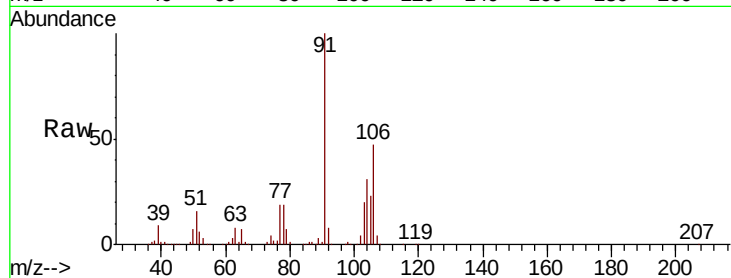
#69
o-Xylene
Concen: 22.77 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampled :
VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	106.8	320.4

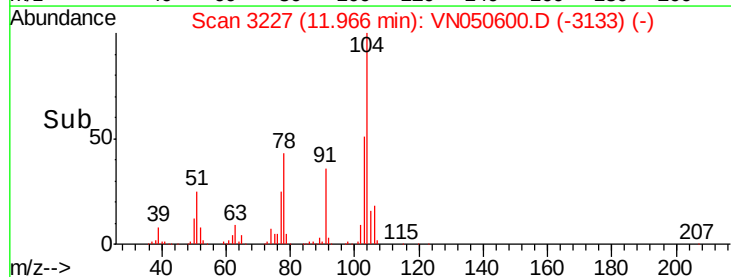
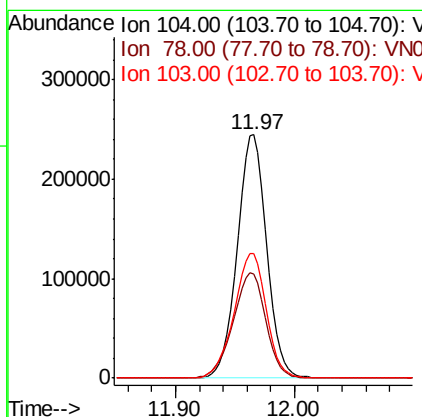
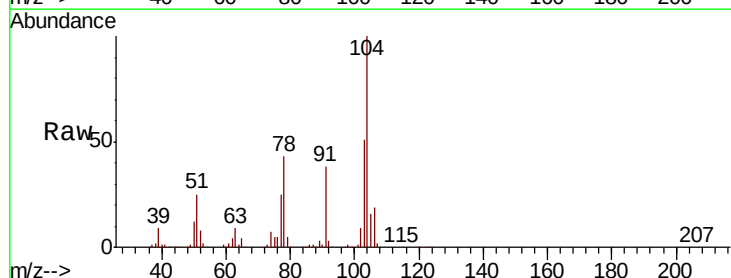
Manual Integrations
APPROVED

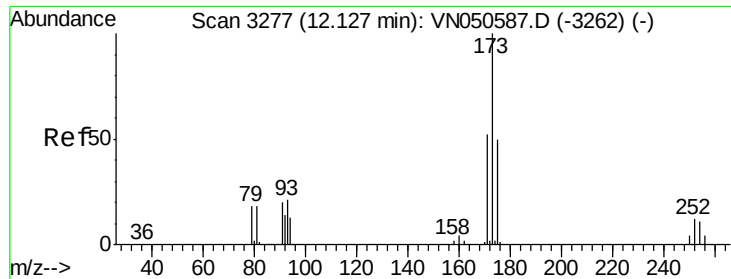
MMDadoda
8/15/2018 3:31:31 PM



#70
Styrene
Concen: 21.25 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.1	58.7
103	56.2	44.9	67.3





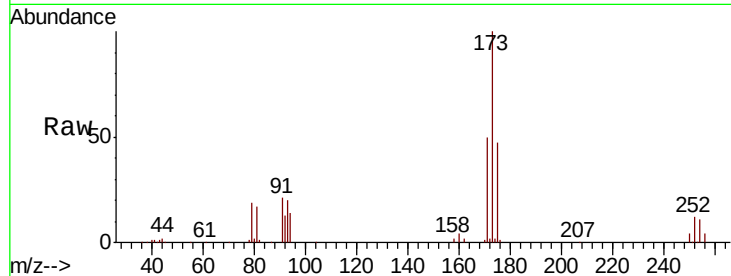
#71
Bromoform
Concen: 22.56 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.2
254	0.1	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:31:31 PM

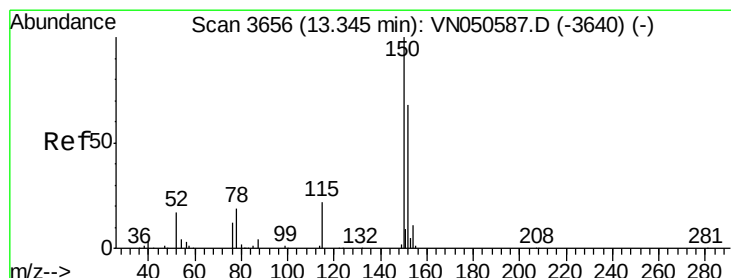
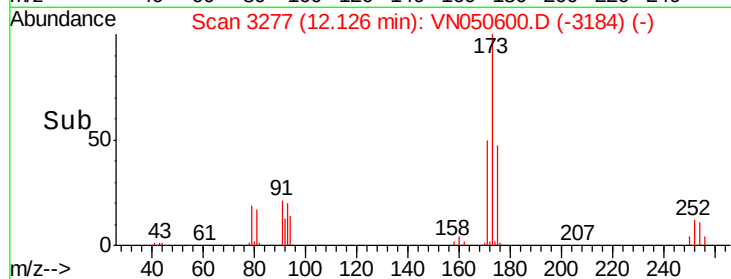
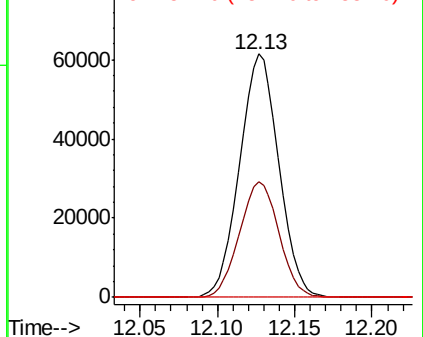


Abundance

Ion 172.70 (172.40 to 173.40): V

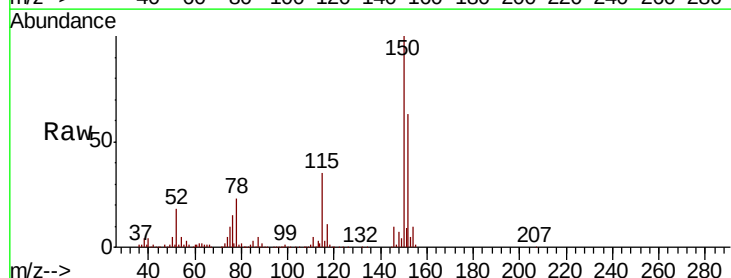
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.1	84.2
150	163.9	0.0	347.8

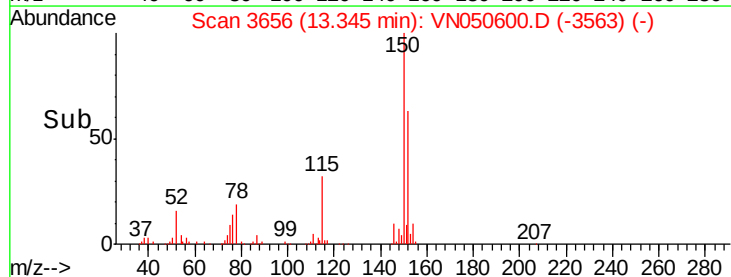
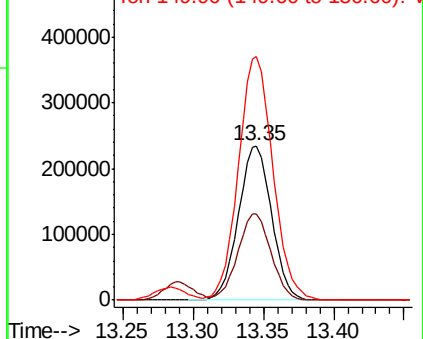


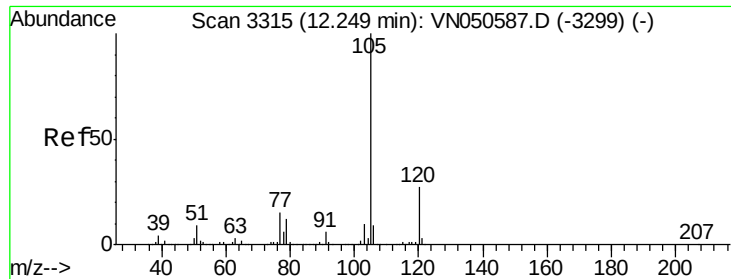
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.44 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tot Ion:105 Resp: 678503

Ion Ratio Lower Upper

105 100

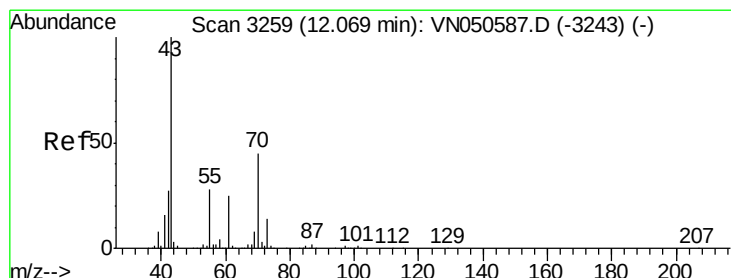
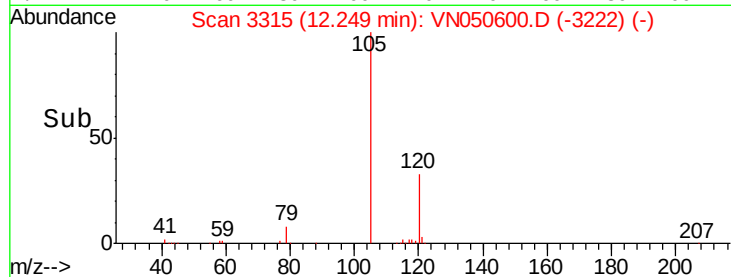
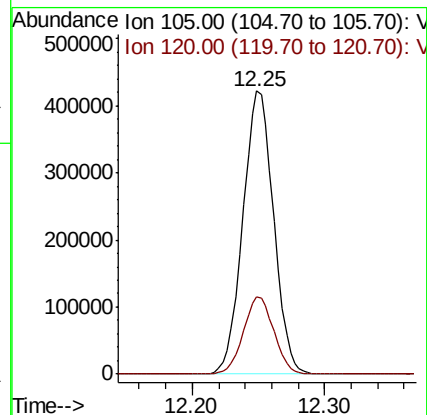
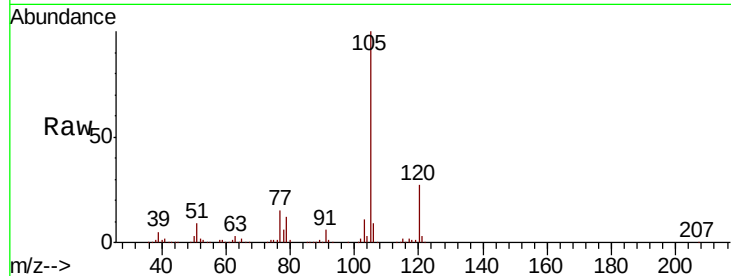
120 27.1 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

8/15/2018 3:31:31 PM



#74

N-ethyl acetate

Concen: 22.20 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Tgt Ion: 43 Resp: 174692

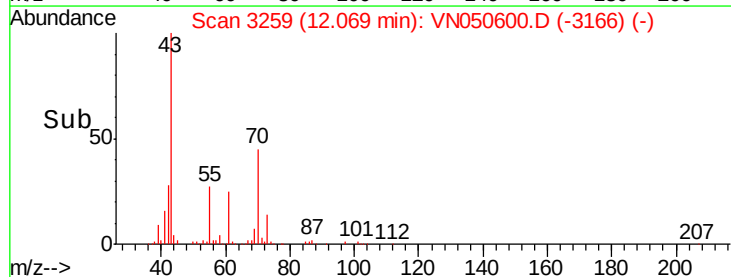
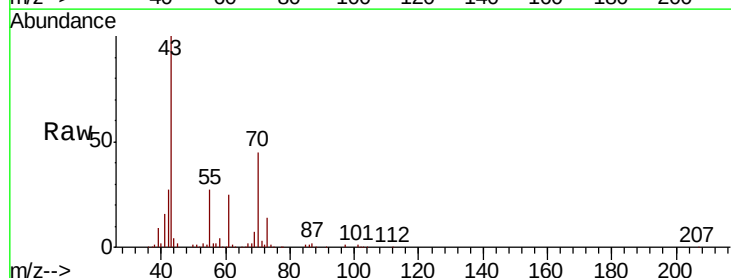
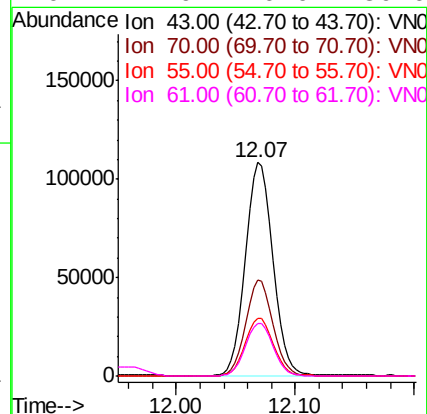
Ion Ratio Lower Upper

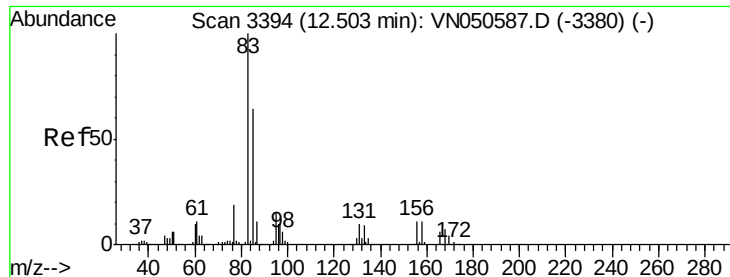
43 100

70 44.5 35.9 53.9

55 27.9 22.2 33.4

61 24.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.87 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

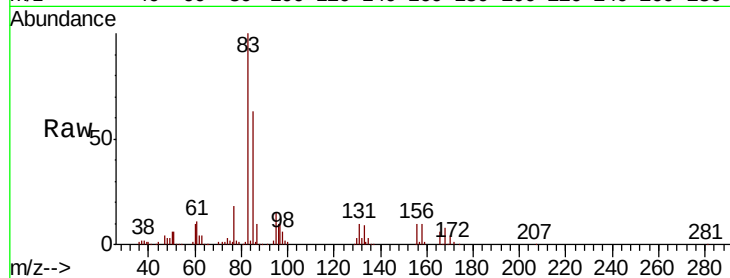
ClientSampled :

VN0814WBSD01

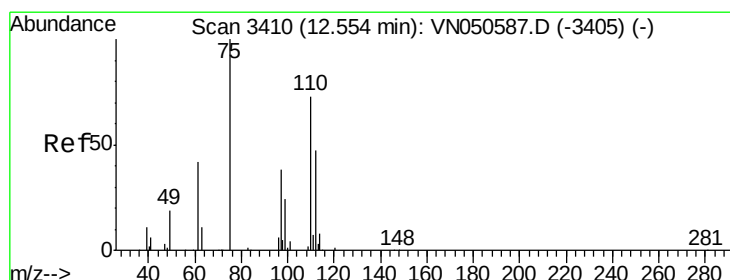
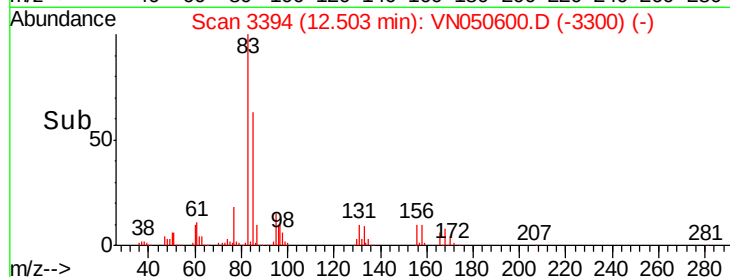
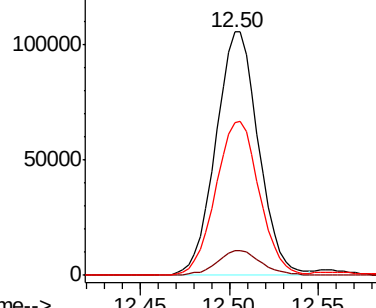
Tot Ion:	83	Resp:	176101
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.6	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:31:31 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 22.79 ug/l m

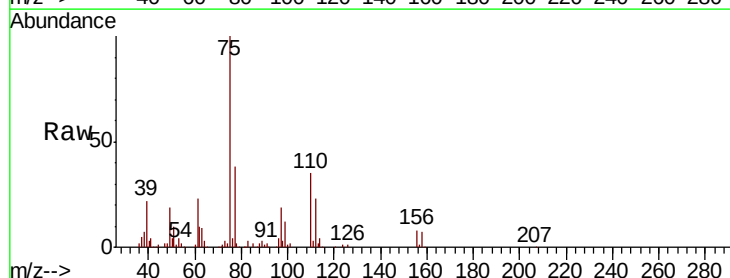
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

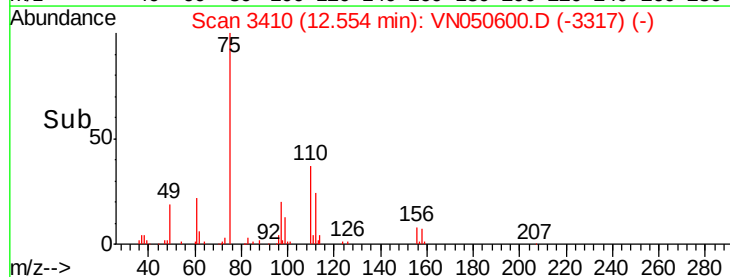
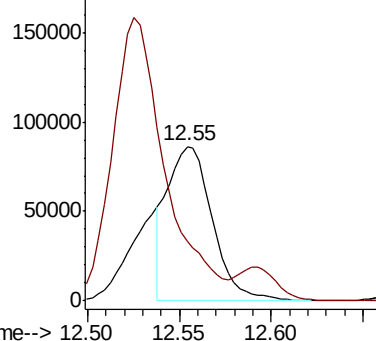
Lab File: VN050600.D

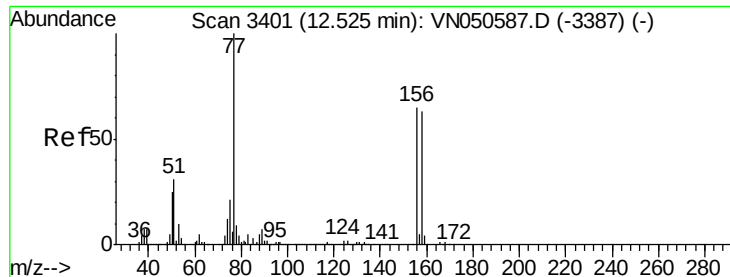
Acq: 14 Aug 2018 14:22

Tgt Ion:	75	Resp:	146002
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 21.65 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

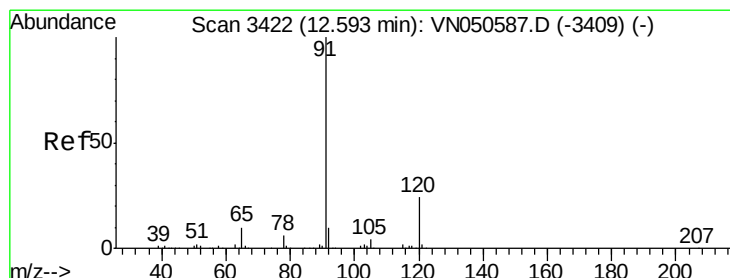
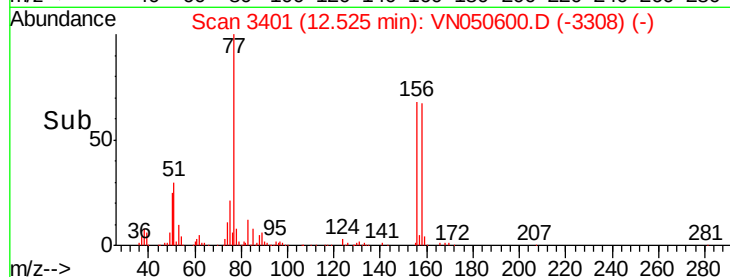
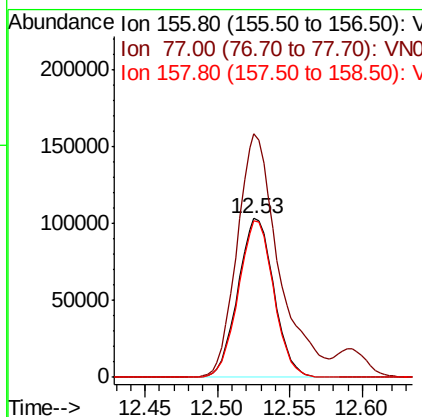
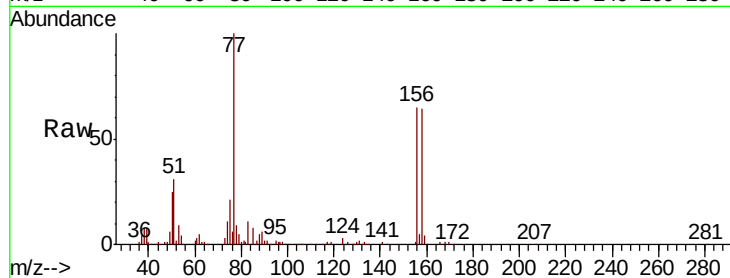
ClientSampleId :

VN0814WBSD01

Tot Ion:	156	Resp:	177780
Ion Ratio	Lower	Upper	
156	100		
77	178.1	89.0	267.1
158	96.9	48.5	145.6

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:31:31 PM



#78

n-propylbenzene

Concen: 22.73 ug/l

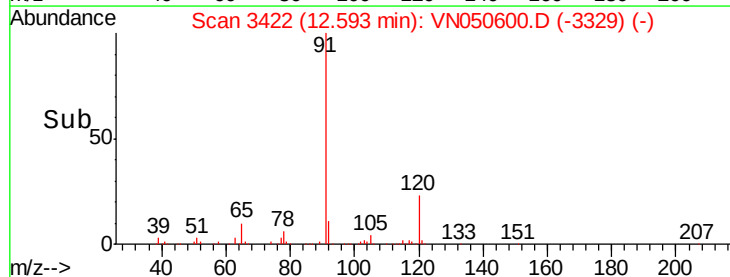
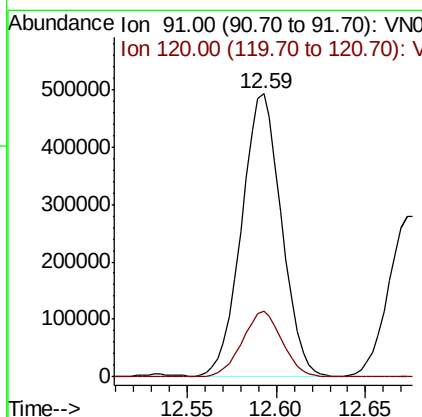
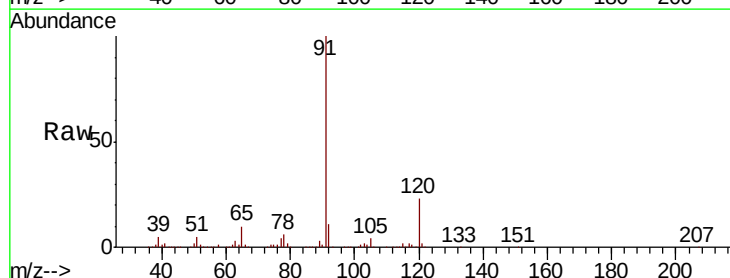
RT: 12.59 min Scan# 3422

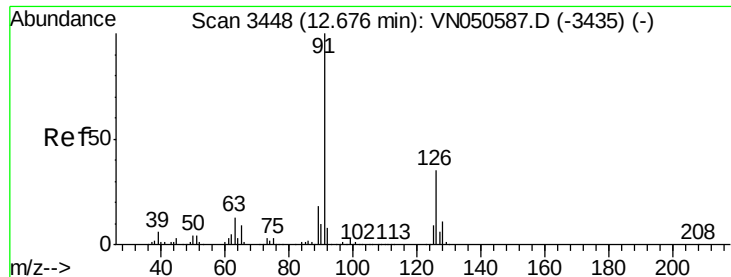
Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Tgt Ion:	91	Resp:	766481
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.8	35.4





#79

2-Chlorotoluene

Concen: 22.37 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

ClientSampled :

VN0814WBSD01

Tot Ion: 91 Resp: 470243

Ion Ratio Lower Upper

91 100

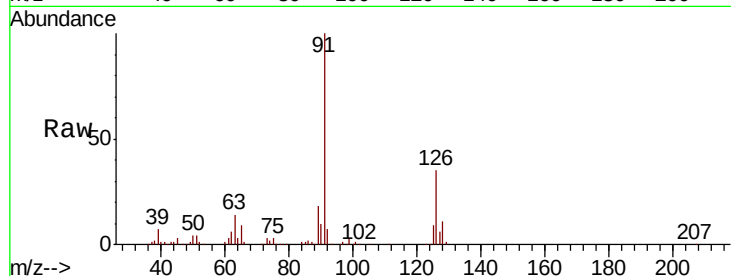
126 35.6 17.6 52.8

Manual Integrations

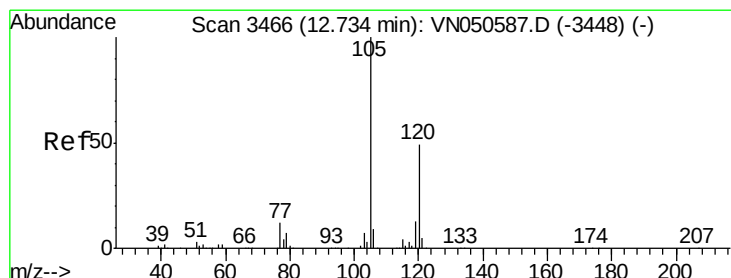
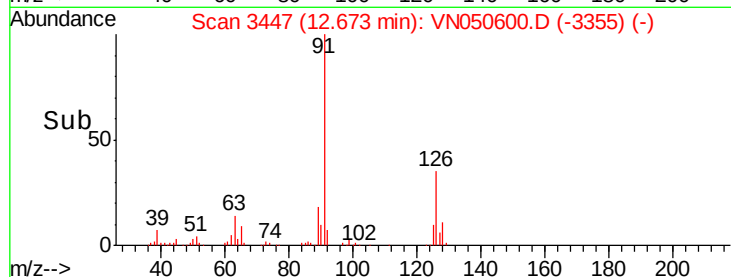
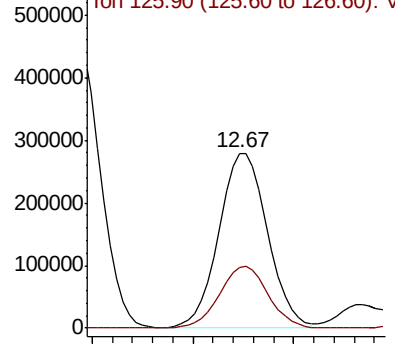
APPROVED

MMDadoda

8/15/2018 3:31:31 PM



Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.20 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050600.D

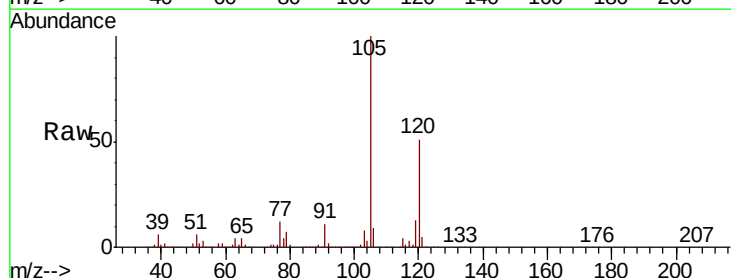
Acq: 14 Aug 2018 14:22

Tgt Ion: 105 Resp: 561711

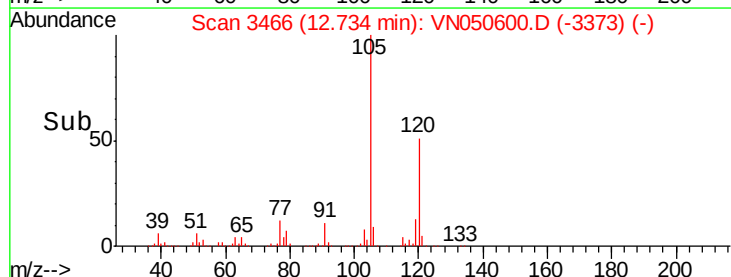
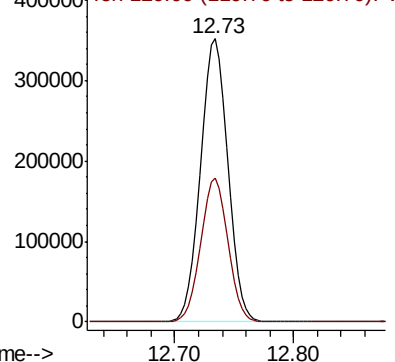
Ion Ratio Lower Upper

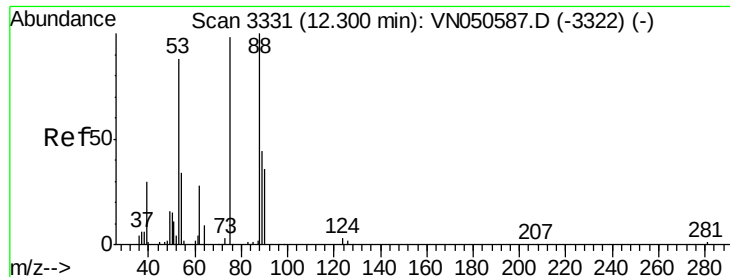
105 100

120 50.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN050587.D (-3448) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.76 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

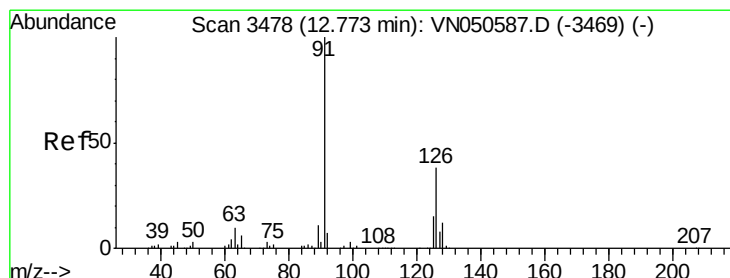
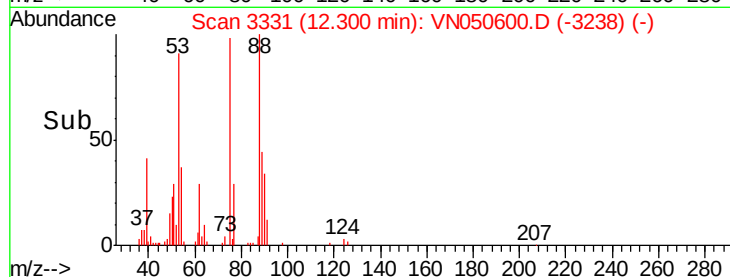
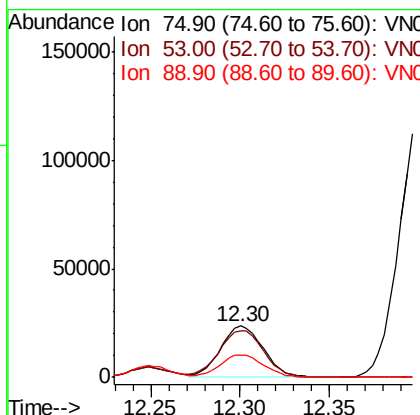
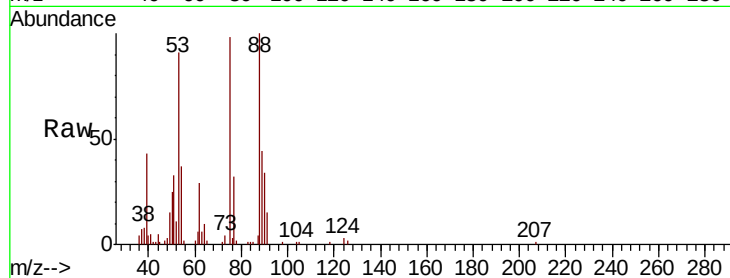
ClientSampleId :

VN0814WBSD01

Tot Ion:	75	Resp:	39635
Ion	Ratio	Lower	Upper
75	100		
53	95.0	72.2	108.2
89	44.2	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:31:31 PM



#82

4-Chlorotoluene

Concen: 22.47 ug/l

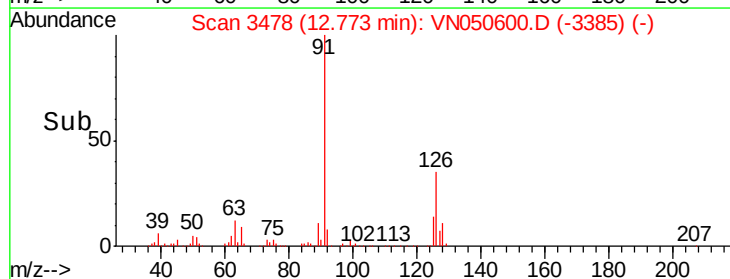
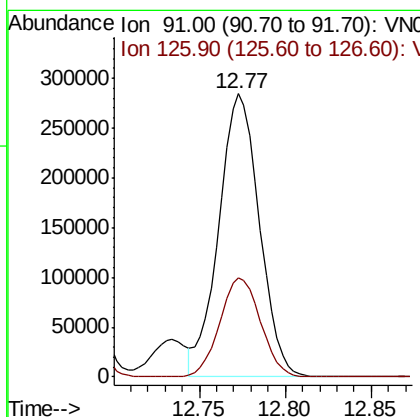
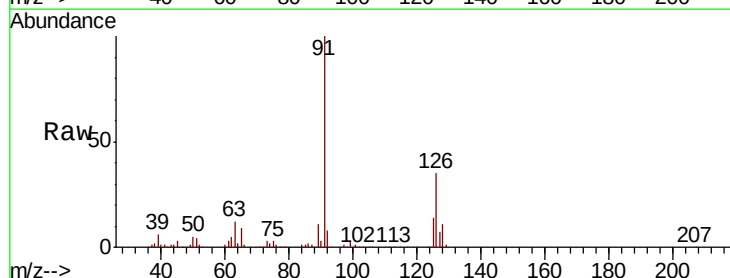
RT: 12.77 min Scan# 3478

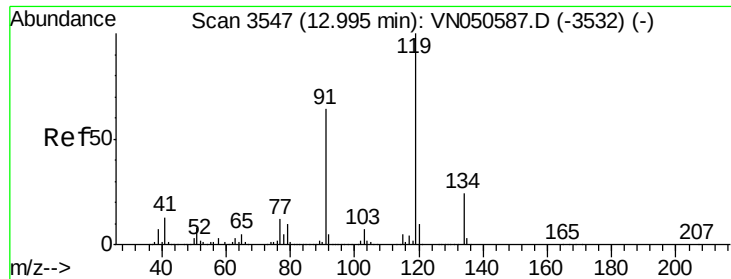
Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Tgt Ion:	91	Resp:	466908
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.3	52.0





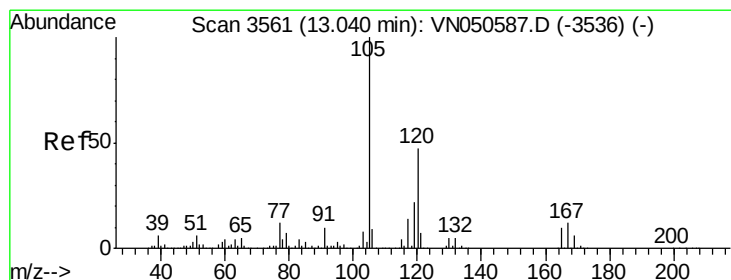
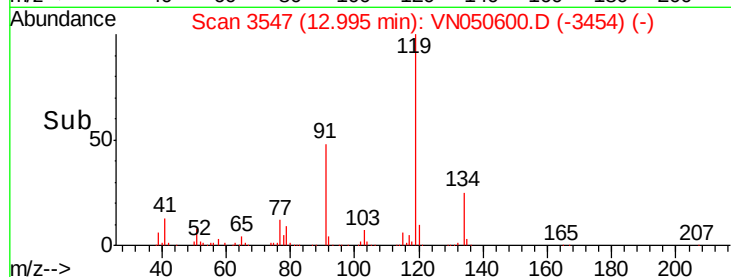
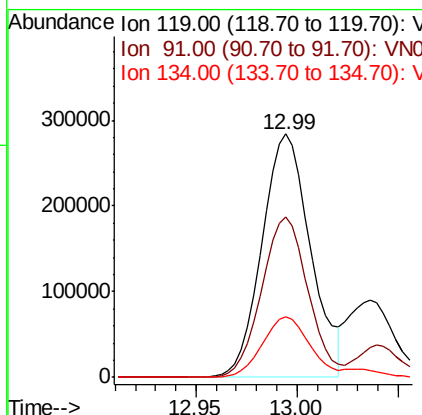
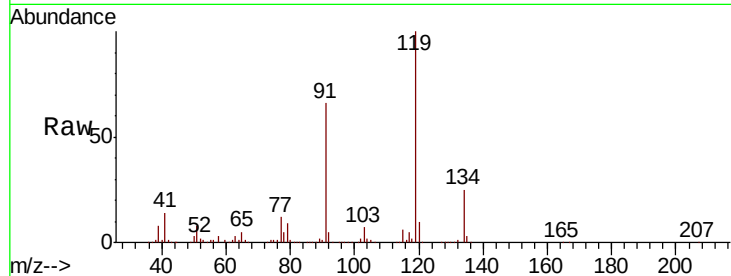
#83
 tert-Butylbenzene
 Concen: 22.66 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	32.2	96.6
134	24.5	13.4	40.2

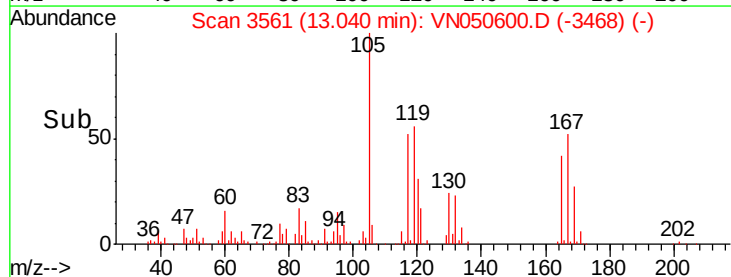
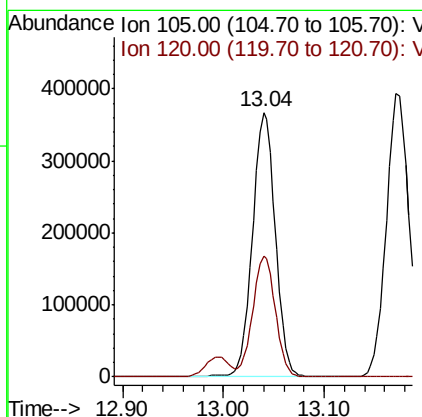
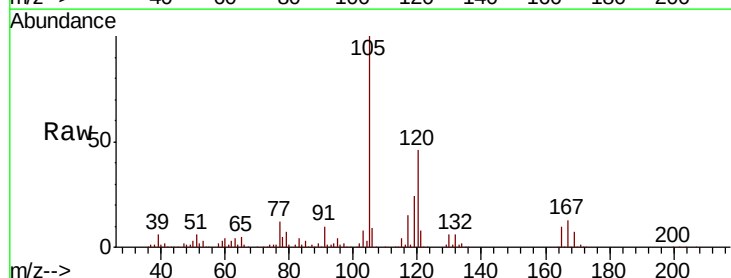
Manual Integrations
 APPROVED

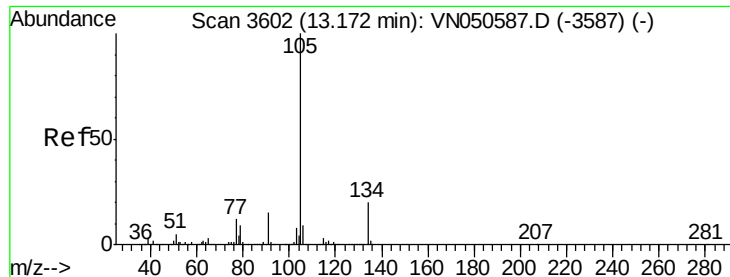
MMDadoda
 8/15/2018 3:31:31 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 23.51 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.2	69.5





#85

sec-Butylbenzene

Concen: 22.74 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tot Ion:105 Resp: 624638

Ion Ratio Lower Upper

105 100

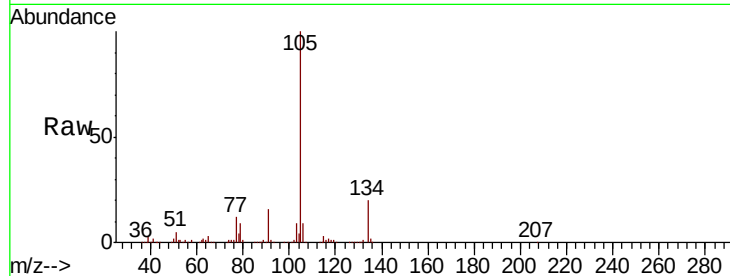
134 20.2 10.1 30.3

Manual Integrations

APPROVED

MMDadoda

8/15/2018 3:31:31 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

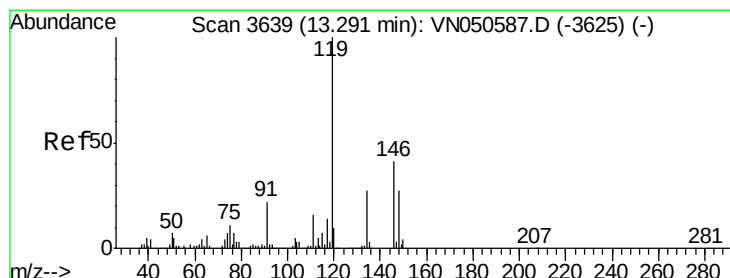
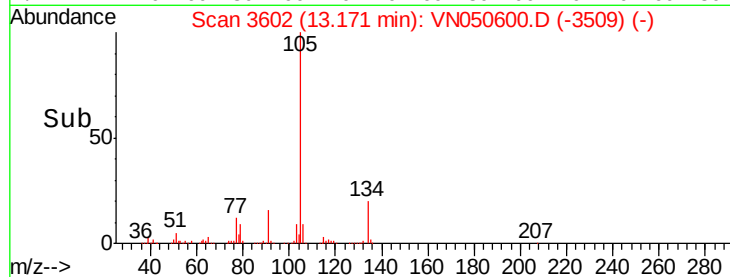
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.77 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

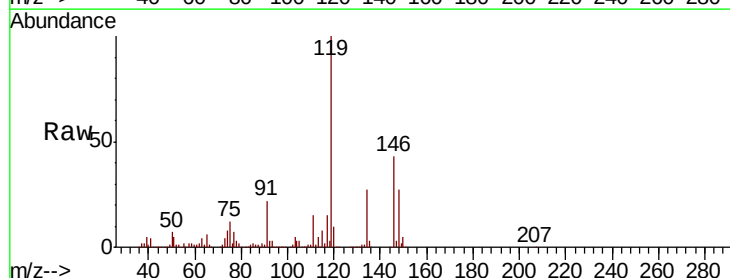
Tgt Ion:119 Resp: 529999

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.8 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

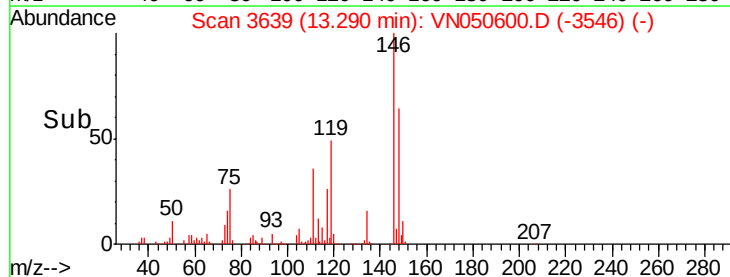
300000

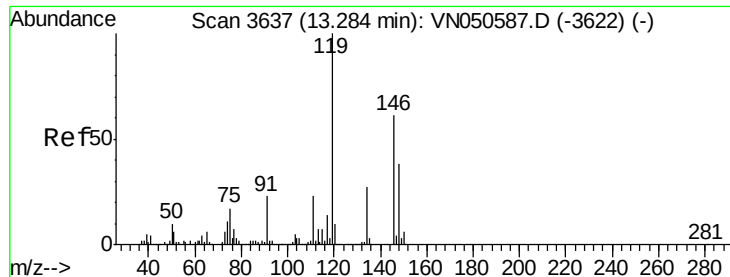
200000

100000

0

Time-->





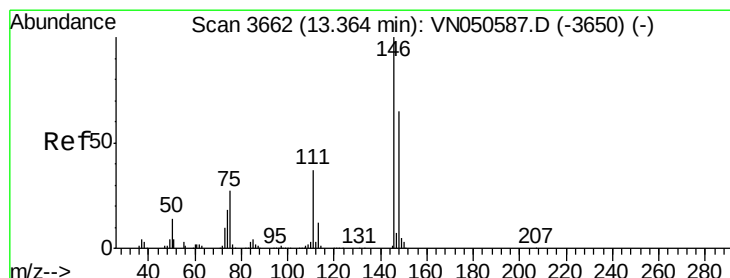
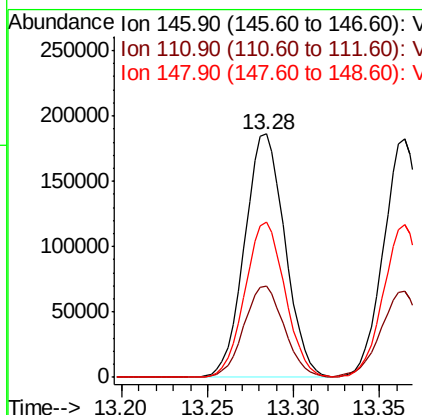
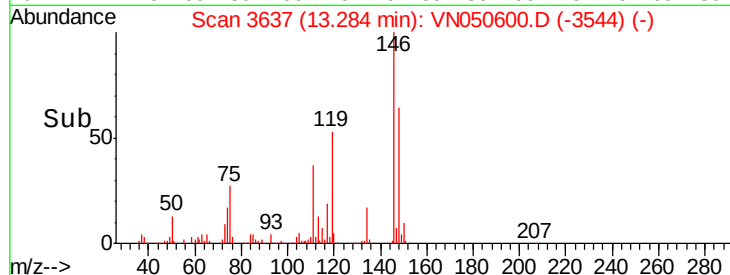
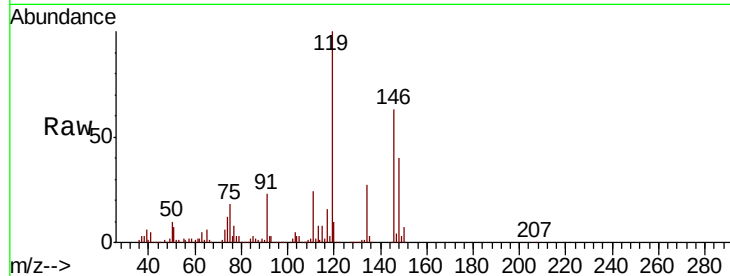
#87
 1,3-Dichlorobenzene
 Concen: 21.77 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tot Ion:	146	Resp:	304359
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.2	57.6
148	63.2	31.9	95.7

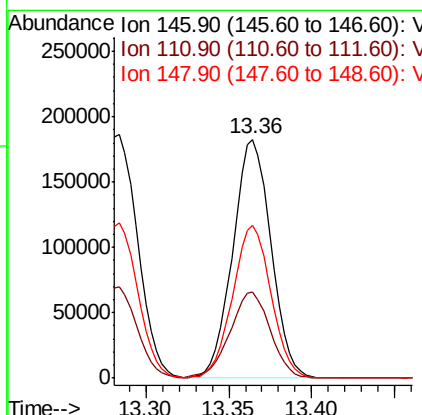
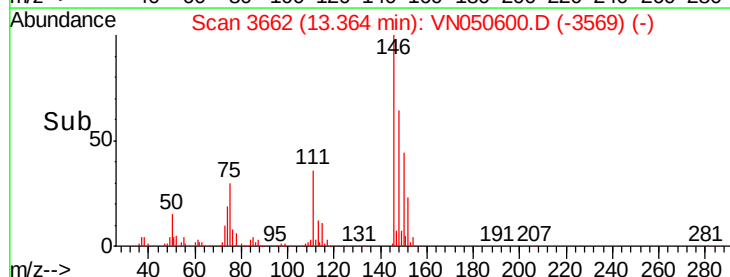
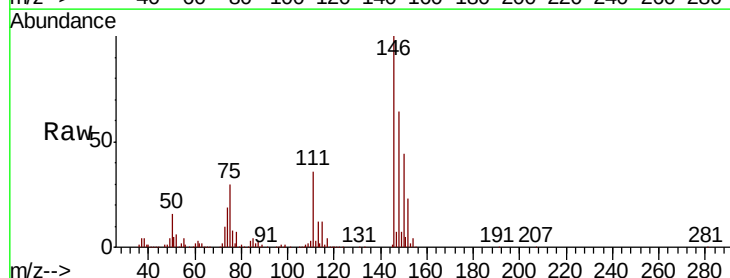
Manual Integrations
 APPROVED

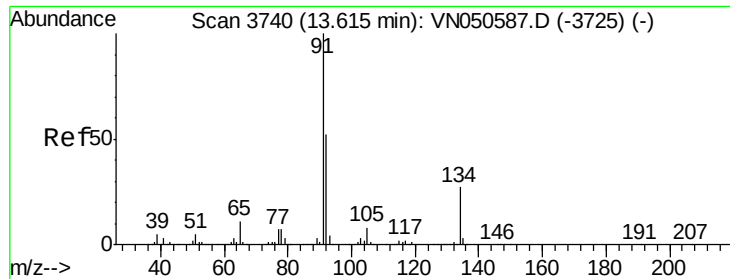
MMDadoda
 8/15/2018 3:31:31 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.11 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion:	146	Resp:	292865
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.8	56.4
148	64.3	32.3	96.8





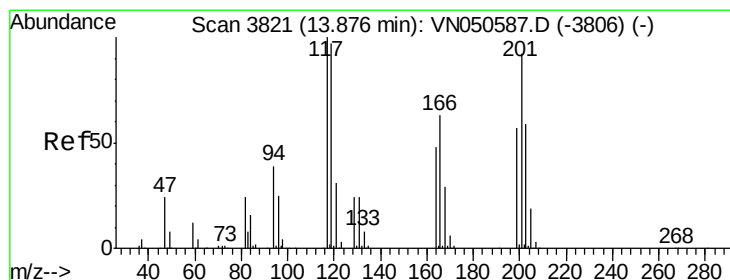
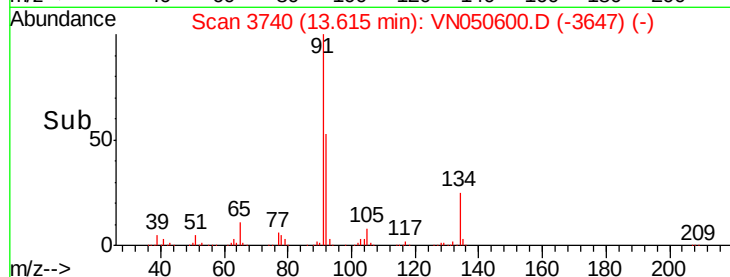
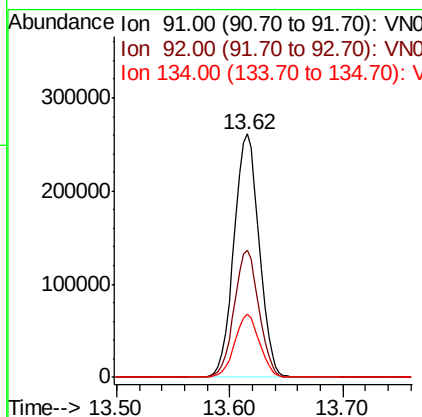
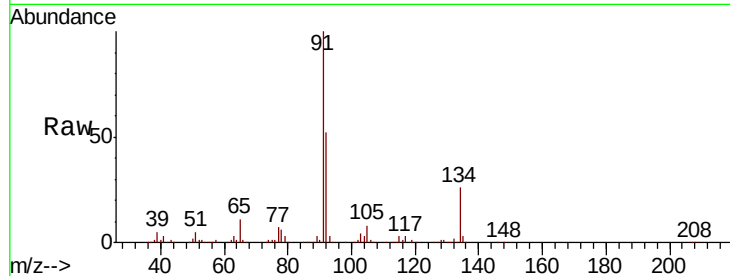
#89
n-Butylbenzene
Concen: 21.58 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampled :
VN0814WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.3	78.8
134	25.4	13.3	39.9

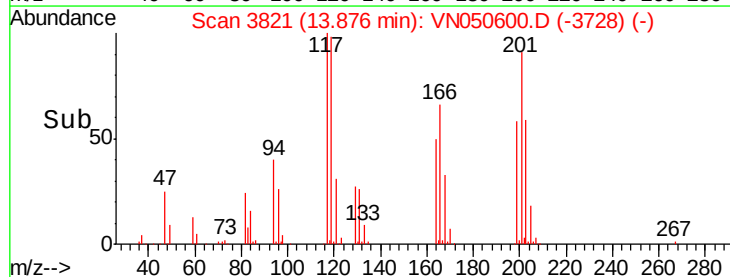
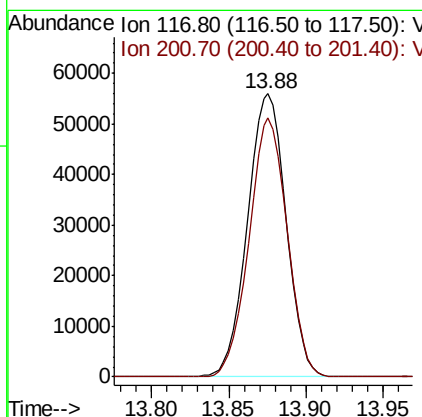
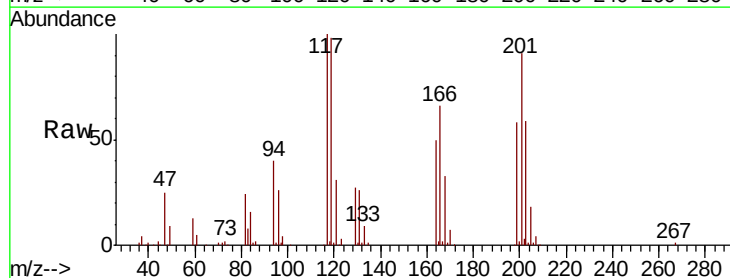
Manual Integrations
APPROVED

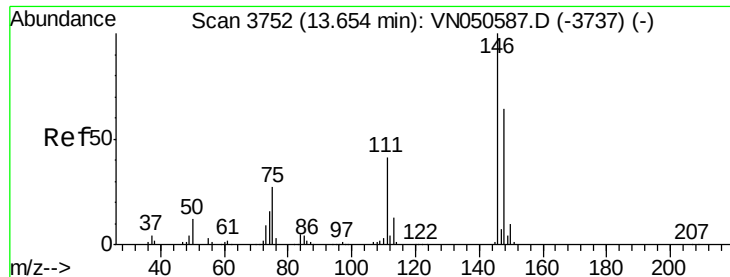
MMDadoda
8/15/2018 3:31:31 PM



#90
Hexachloroethane
Concen: 20.79 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	45.5	136.5





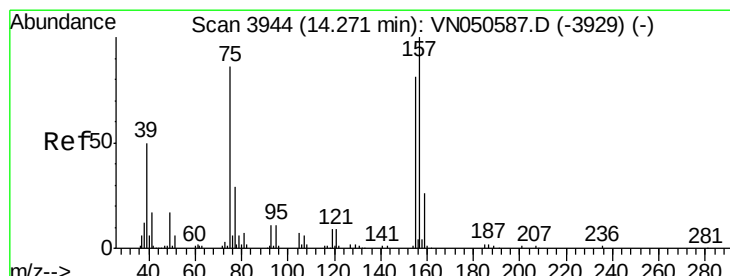
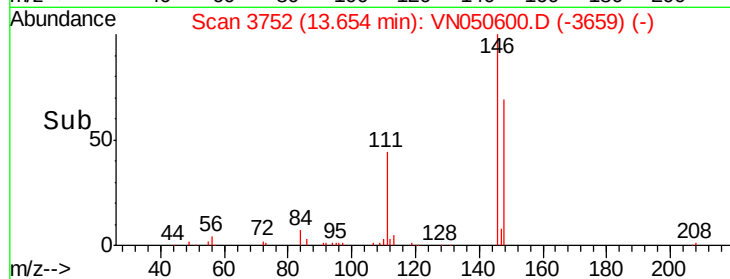
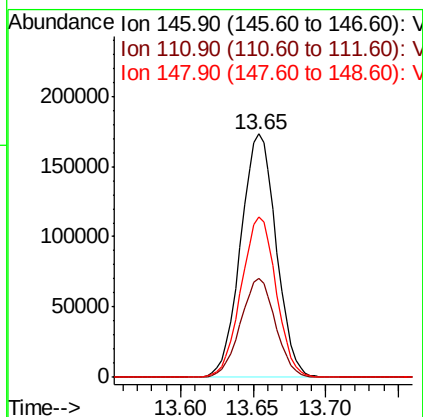
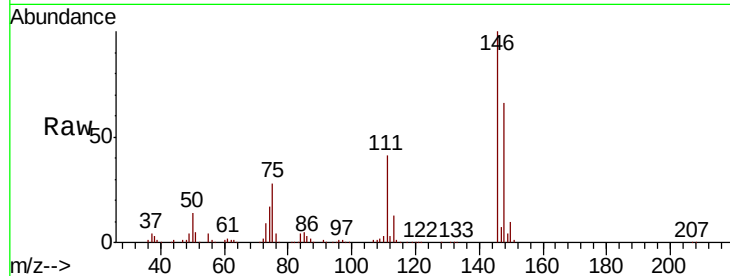
#91
 1,2-Dichlorobenzene
 Concen: 21.57 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tot Ion:	146	Resp:	294112
Ion Ratio	Lower	Upper	
146	100		
111	40.0	19.8	59.4
148	65.0	32.3	96.8

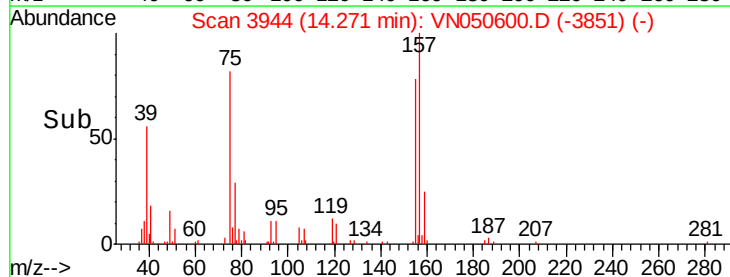
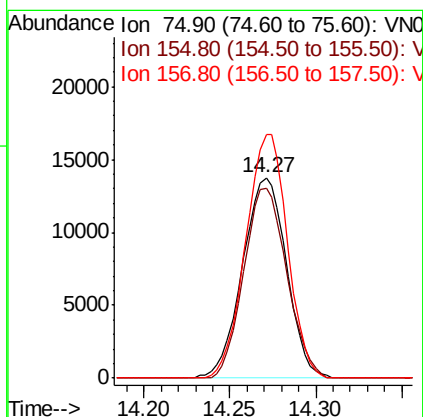
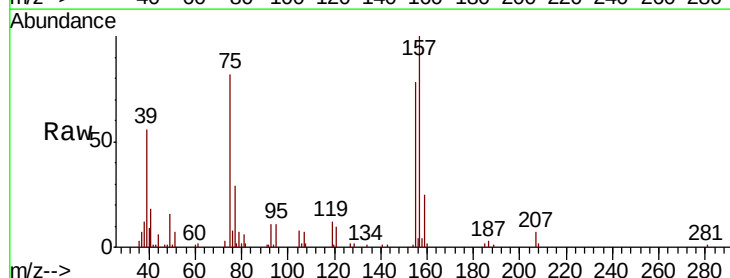
Manual Integrations
 APPROVED

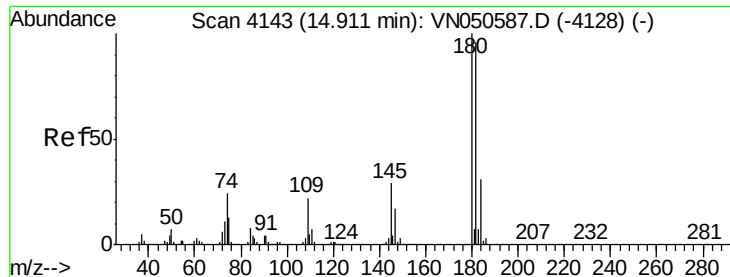
MMDadoda
 8/15/2018 3:31:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.62 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion:	75	Resp:	24404
Ion Ratio	Lower	Upper	
75	100		
155	92.5	46.6	139.8
157	114.9	58.1	174.2





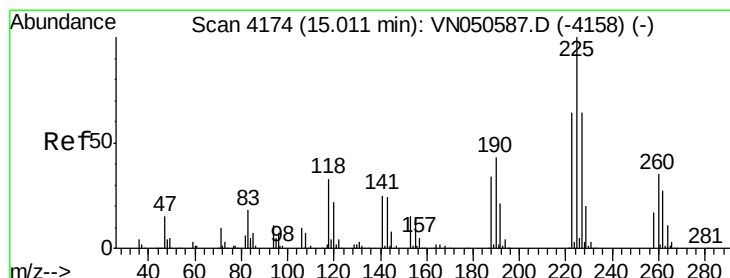
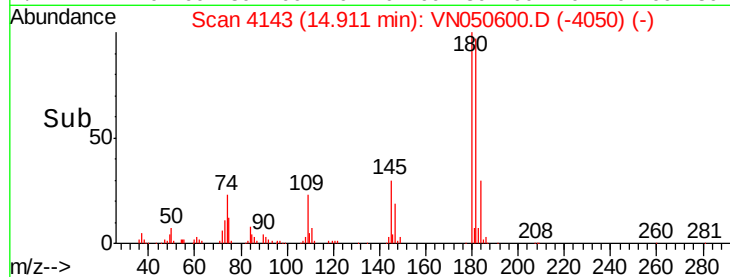
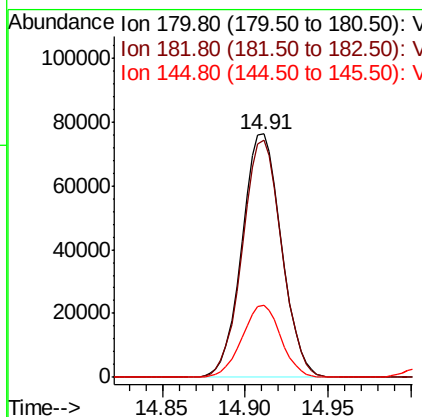
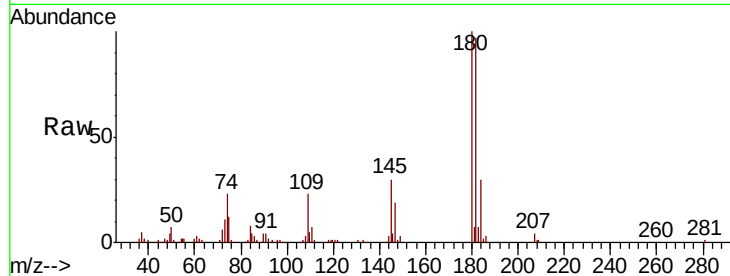
#93
 1,2,4-Trichlorobenzene
 Concen: 19.74 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tot Ion:	180	Resp:	126195
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.9	143.7
145	29.2	14.4	43.4

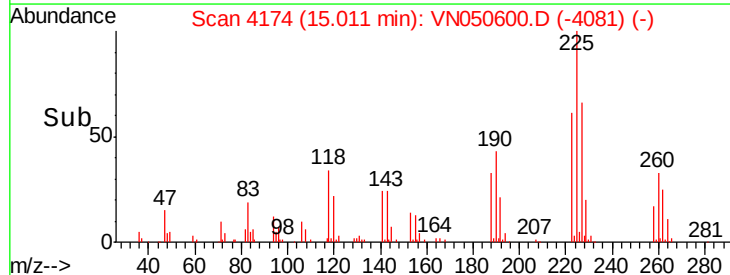
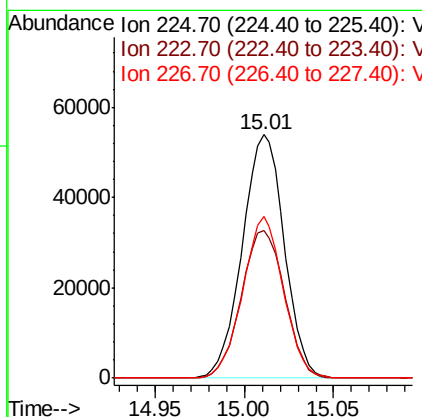
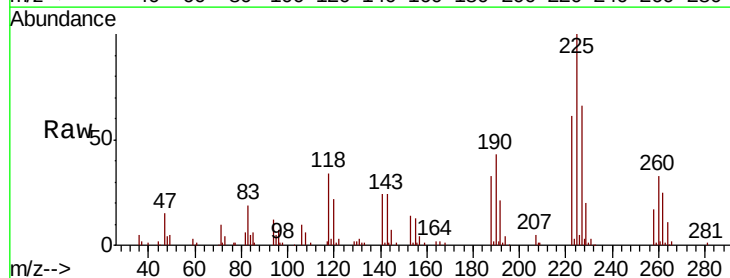
Manual Integrations
 APPROVED

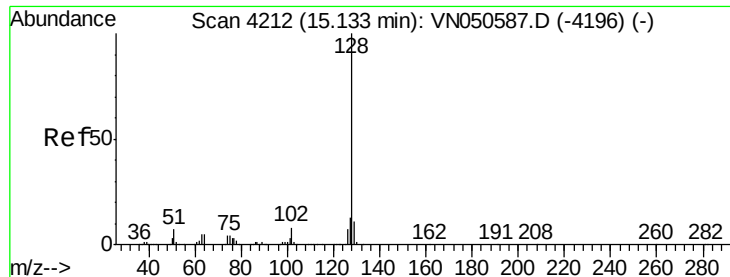
MMDadoda
 8/15/2018 3:31:31 PM



#94
 Hexachlorobutadiene
 Concen: 21.14 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion:	225	Resp:	88371
Ion Ratio	Lower	Upper	
225	100		
223	62.9	32.1	96.3
227	64.3	32.0	96.2





#95

Naphthalene

Concen: 19.45 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Instrument :

MSVOA_N

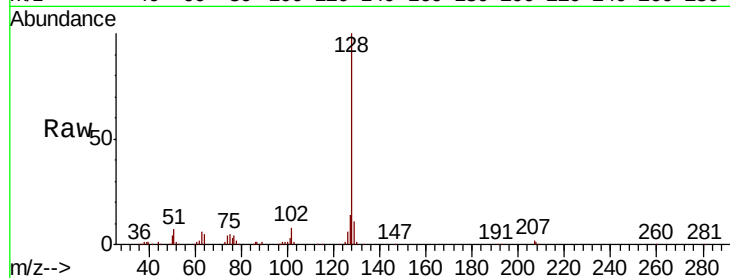
ClientSampleId :

VN0814WBSD01

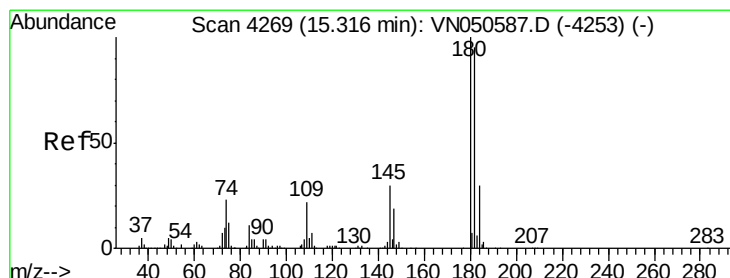
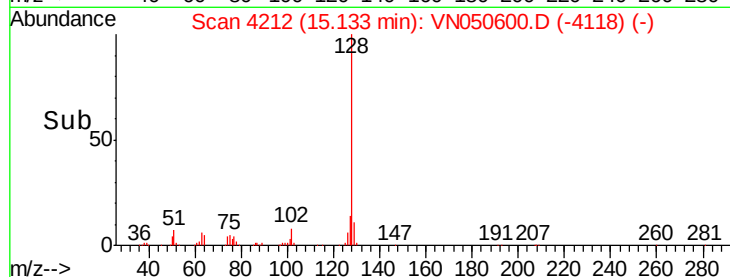
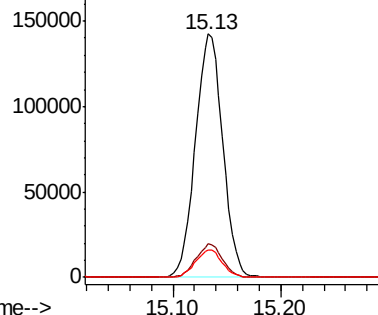
Tot Ion:	128	Resp:	251570
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:31:31 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.42 ug/l

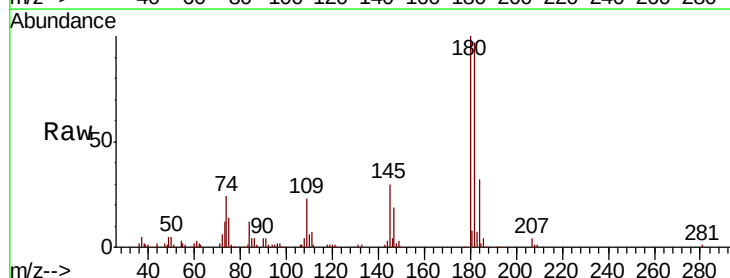
RT: 15.31 min Scan# 4268

Delta R.T. -0.00 min

Lab File: VN050600.D

Acq: 14 Aug 2018 14:22

Tgt Ion:	180	Resp:	125723
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.3	141.8
145	30.6	14.6	44.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

