

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050045.D
 Acq On : 25 Jul 2018 14:43
 Operator : MD\SY
 Sample : J4086-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1513

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 3:54:23 PM

Quant Time: Jul 26 15:38:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	122116	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	653566	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	572175	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	258331	31.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.73%
60) 4-Bromofluorobenzene	12.40	95	246746	28.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.57%
63) Toluene-d8	10.09	98	837484	30.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.13%

Target Compounds

						Ovalue
3) Chloromethane	2.06	50	330090	38.04	ug/l	99
4) Vinyl Chloride	2.18	62	330249	35.75	ug/l	97
5) Bromomethane	2.56	94	467994	83.11	ug/l	99
6) Chloroethane	2.70	64	517598	94.74	ug/l	98
7) Trichlorofluoromethane	3.01	101	803530	66.57	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	321315	46.10	ug/l	99
21) 1,1-Dichloroethane	5.85	63	960831	72.48	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	929663	120.26	ug/l	90
24) Methyl tert-Butyl Ether	5.06	73	448794	25.28	ug/l	98
25) Chloroform	7.37	83	490262	36.53	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	197940	16.58	ug/l	99
36) 1,2-Dichloroethane	8.13	62	1326597	131.17	ug/l	99
37) Trichloroethene	8.84	130	232790	28.81	ug/l	99
39) 1,2-Dichloropropane	9.12	63	720175	88.75	ug/l	98
41) Bromodichloromethane	9.41	83	1015586	96.00	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	649828	64.44	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1251854	105.66	ug/l	100
53) Dibromochloromethane	10.90	129	659561	80.73	ug/l	99
54) 1,2-Dibromoethane	11.01	107	481956	68.36	ug/l	99
56) Bromoform	12.13	173	103603	17.96	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	897400	134.79	ug/l	99
62) Toluene	10.16	91	1365943	41.84	ug/l	99
64) Chlorobenzene	11.44	112	2139982	108.10	ug/l	99
66) Ethyl Benzene	11.51	91	1229635	36.86	ug/l	100
67) m/p-Xylenes	11.62	106	1066564	83.07	ug/l	100
68) o-Xylene	11.95	106	1104421	90.41	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	613686	80.44	ug/l	1
80) 1,2,4-Trimethylbenzene	13.04	105	988275	36.51	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1382844	96.97	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	1044622	70.82	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25128	18.06	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	709417	100.70	ug/l	100
91) Naphthalene	15.14	128	2053004	100.62	ug/l	99

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

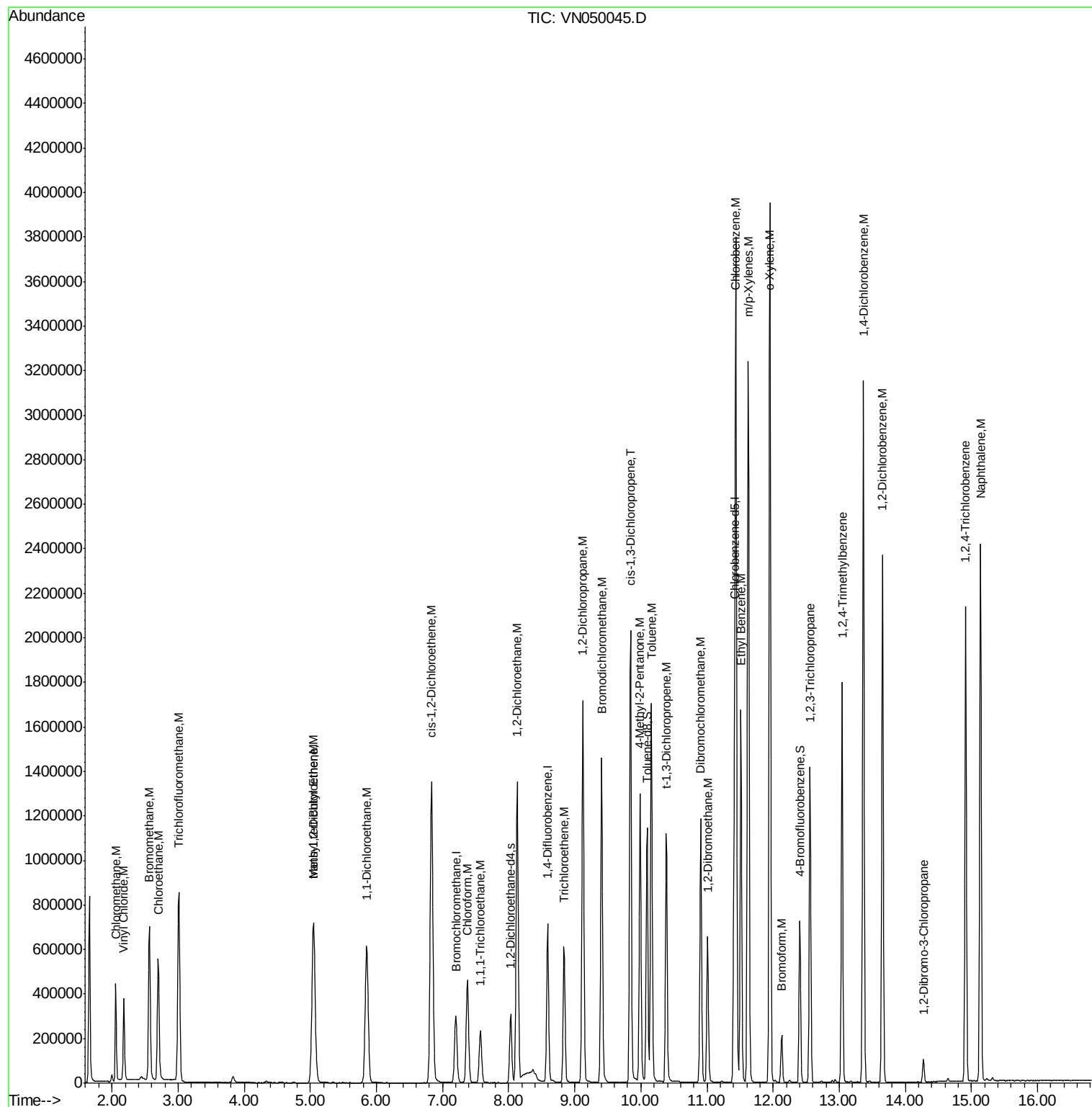
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072518\
Data File : VN050045.D
Acq On : 25 Jul 2018 14:43
Operator : MD\SY
Sample : J4086-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

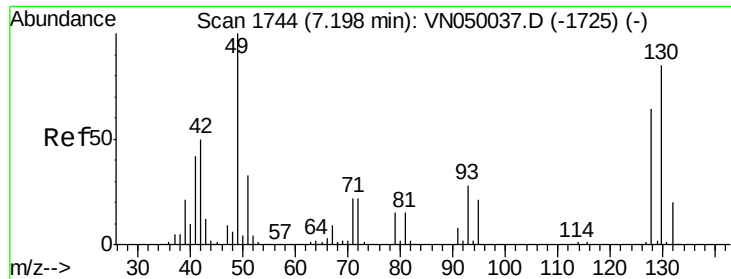
Instrument :
MSVOA_N
ClientSampleId :
1513

Manual Integrations
APPROVED

MMDadoda
7/26/2018 3:54:23 PM

Quant Time: Jul 26 15:38:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration





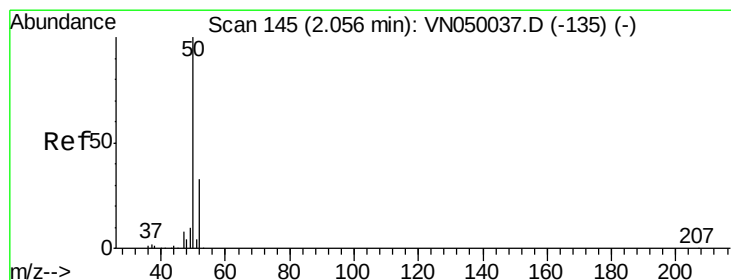
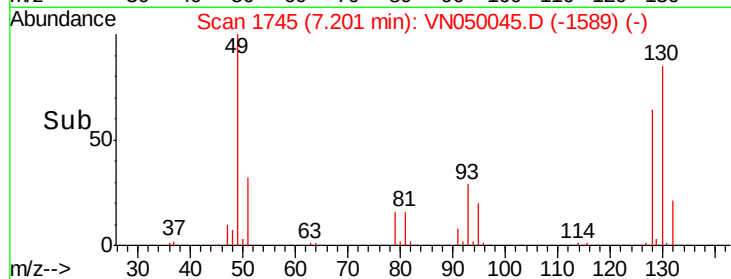
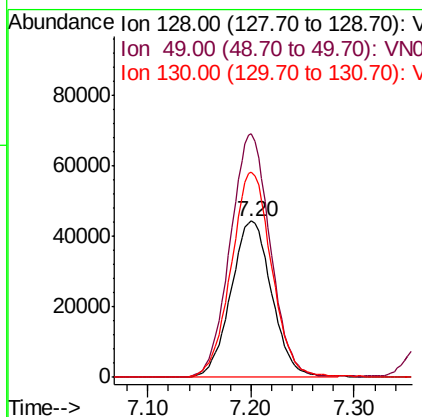
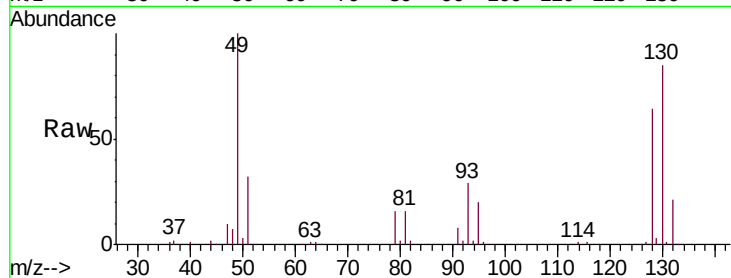
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Instrument :
MSVOA_N
ClientSampled :
1513

Tot Ion	Ratio	Resp	Lower	Upper
128	100	122116		
49	153.2	0.0	378.3	
130	130.5	0.0	320.7	

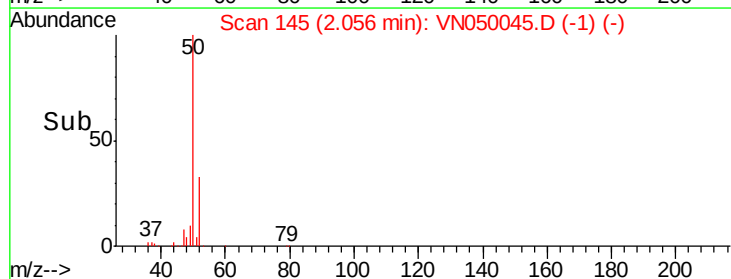
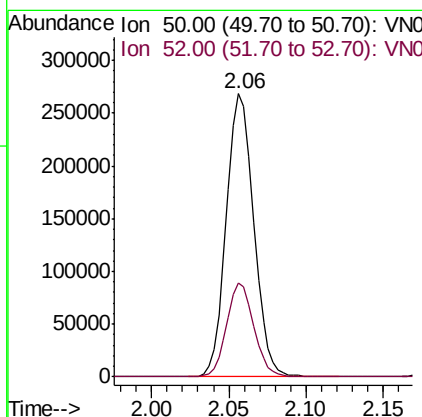
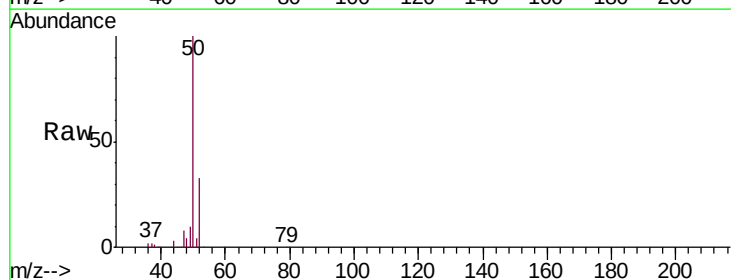
Manual Integrations
APPROVED

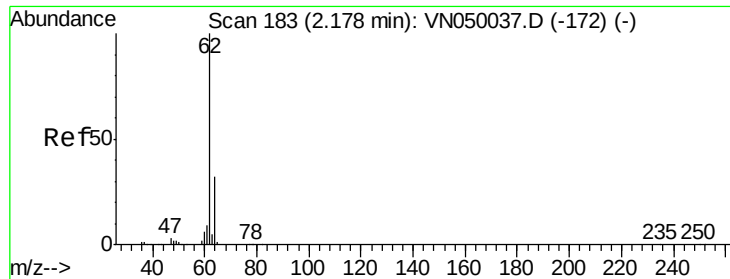
MMDadoda
7/26/2018 3:54:23 PM



#3
Chloromethane
Concen: 38.04 ug/l
RT: 2.06 min Scan# 145
Delta R.T. -0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
50	100	330090		
52	33.3	26.1	39.1	





#4

Vinyl Chloride

Concen: 35.75 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :
1513

Tot Ion: 62 Resp: 330249

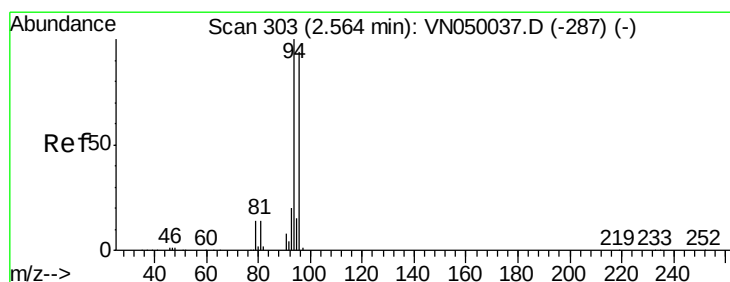
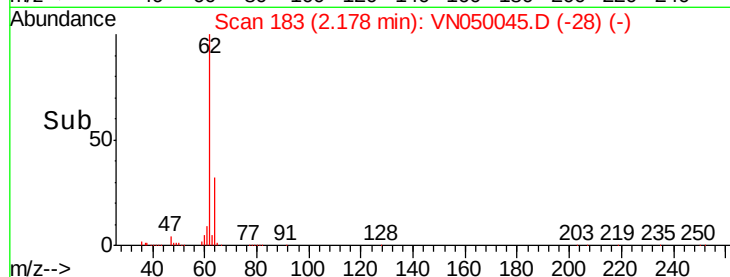
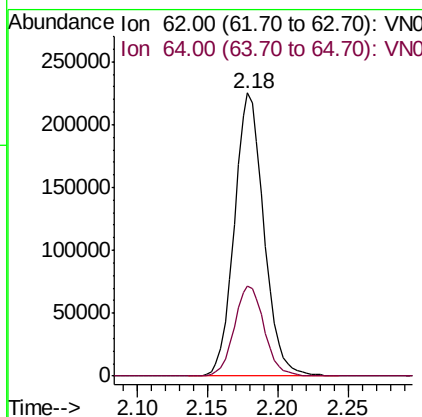
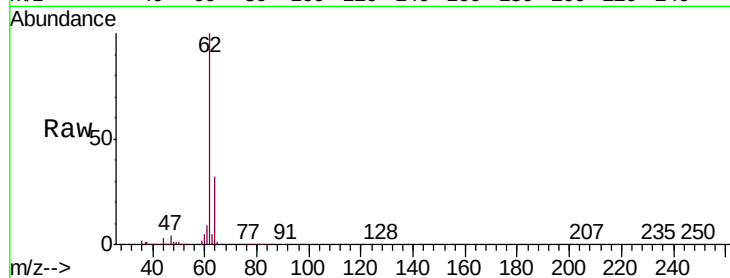
Ion Ratio Lower Upper

62 100

64 31.9 24.4 36.6

Manual Integrations
APPROVED

MMDadoda
7/26/2018 3:54:23 PM



#5

Bromomethane

Concen: 83.11 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050045.D

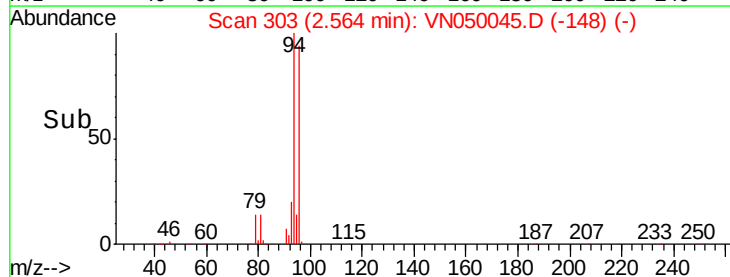
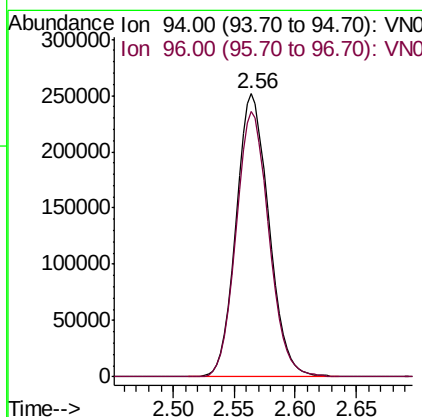
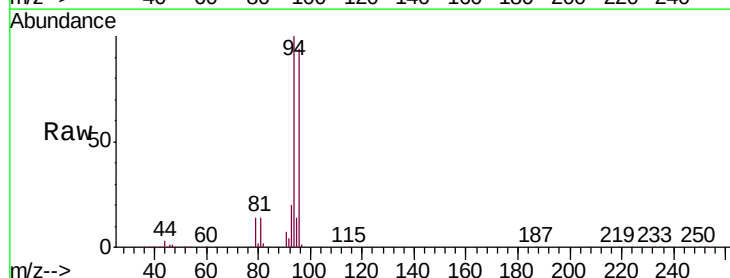
Acq: 25 Jul 2018 14:43

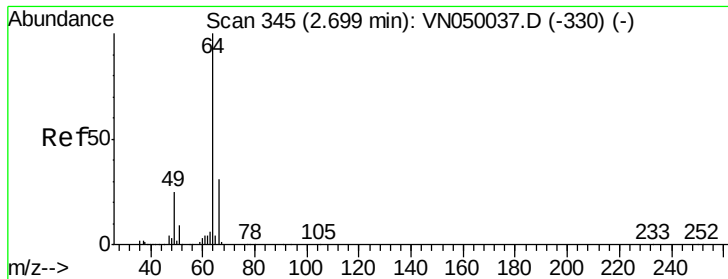
Tgt Ion: 94 Resp: 467994

Ion Ratio Lower Upper

94 100

96 93.8 75.9 113.9





#6

Chloroethane

Concen: 94.74 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

1513

Tot Ion: 64 Resp: 517598

Ion Ratio Lower Upper

64 100

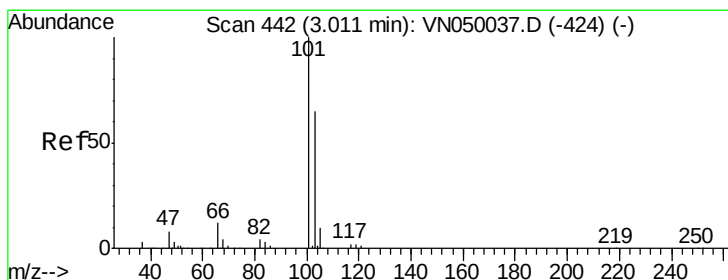
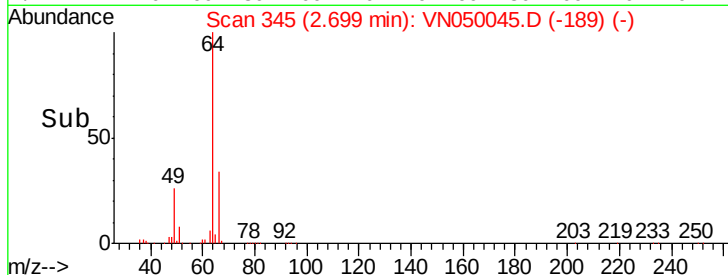
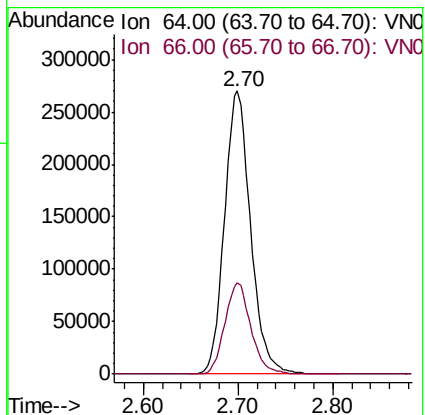
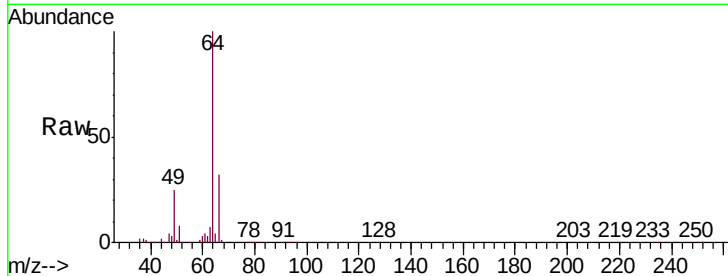
66 32.3 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

7/26/2018 3:54:23 PM



#7

Trichlorofluoromethane

Concen: 66.57 ug/l

RT: 3.01 min Scan# 442

Delta R.T. -0.00 min

Lab File: VN050045.D

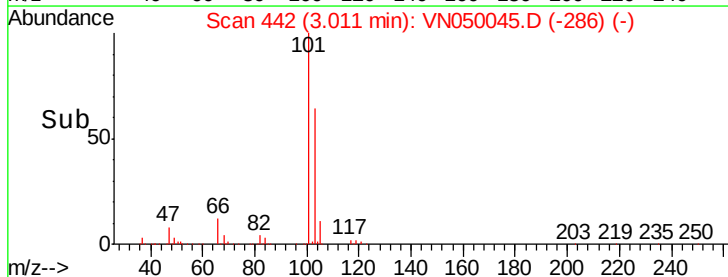
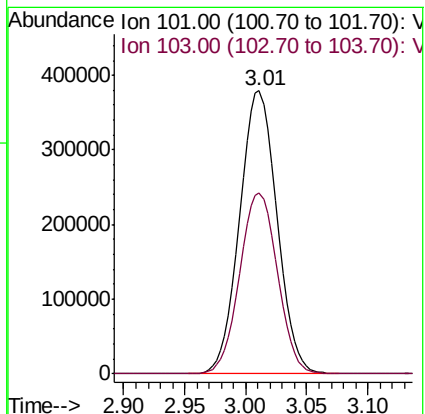
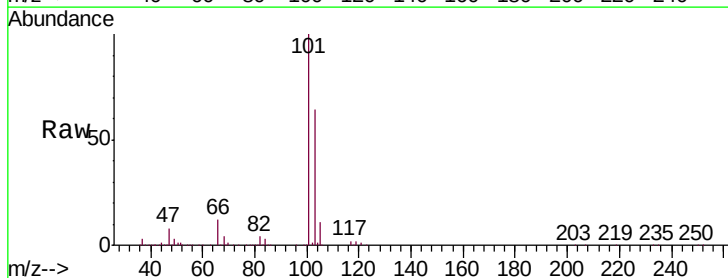
Acq: 25 Jul 2018 14:43

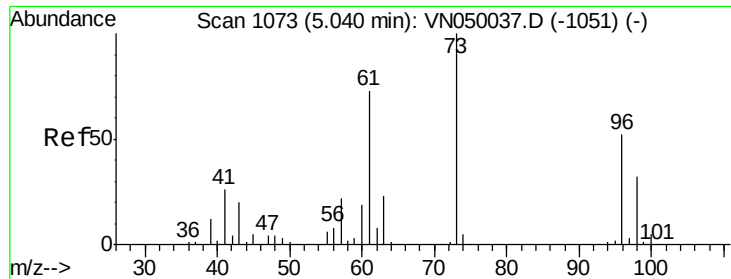
Tgt Ion: 101 Resp: 803530

Ion Ratio Lower Upper

101 100

103 63.9 51.5 77.3





#19

trans-1,2-Dichloroethene

Concen: 46.10 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

1513

Tot Ion: 96 Resp: 321315

Ion Ratio Lower Upper

96 100

61 138.5 112.1 168.1

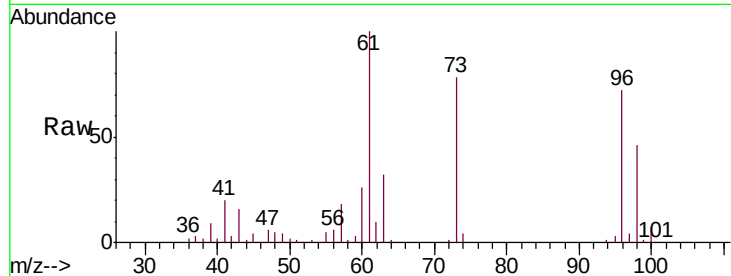
98 63.3 51.3 76.9

Manual Integrations

APPROVED

MMDadoda

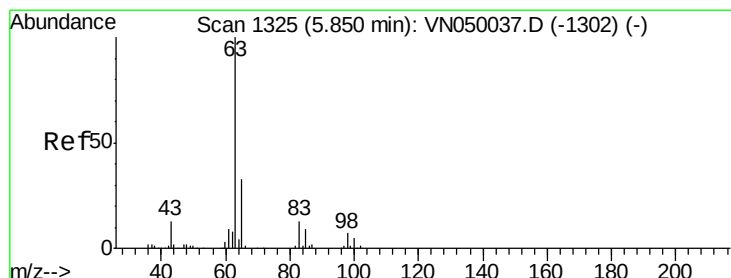
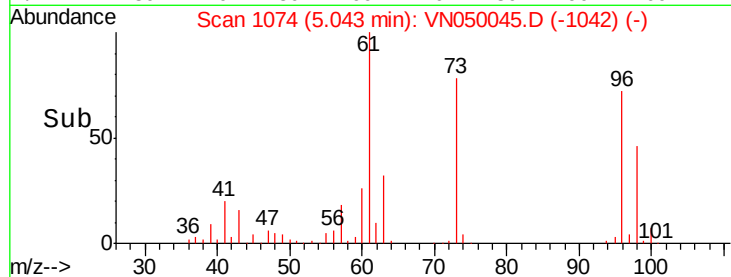
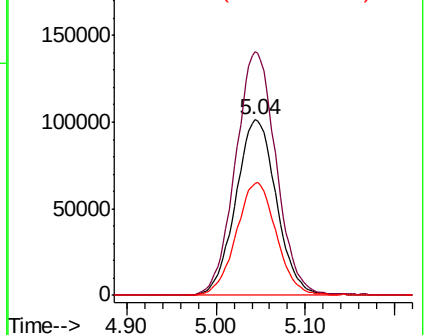
7/26/2018 3:54:23 PM



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#21

1,1-Dichloroethane

Concen: 72.48 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

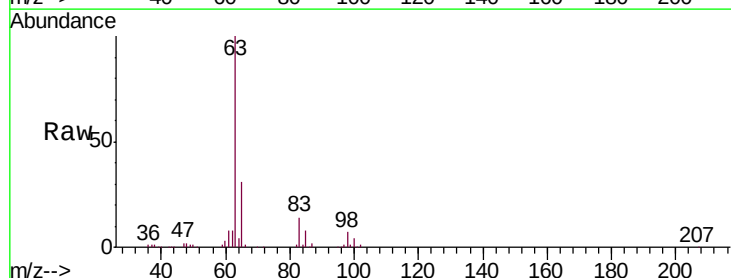
Tgt Ion: 63 Resp: 960831

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.6

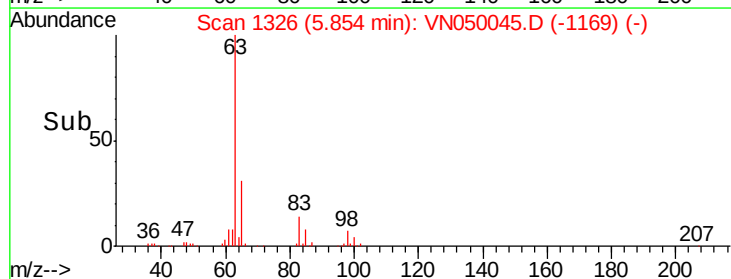
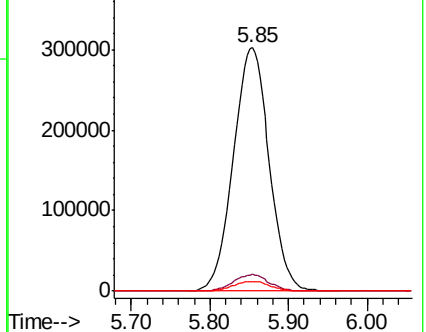
100 4.0 2.3 6.8

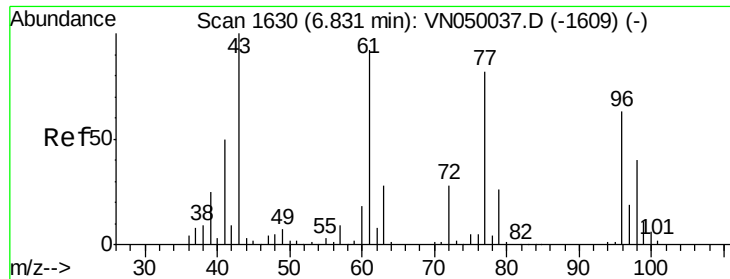


Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#22

cis-1,2-Dichloroethene

Concen: 120.26 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

1513

Tot Ion: 96 Resp: 929663

Ion Ratio Lower Upper

96 100

61 124.6 114.2 171.2

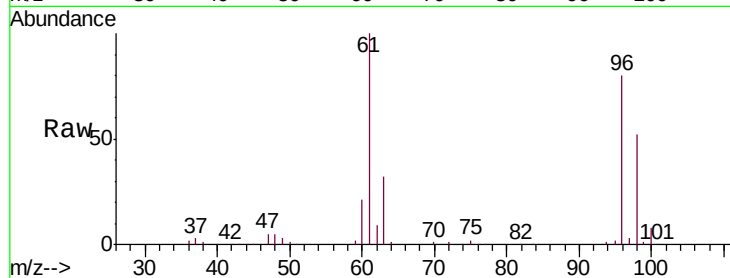
98 64.5 51.7 77.5

Manual Integrations

APPROVED

MMDadoda

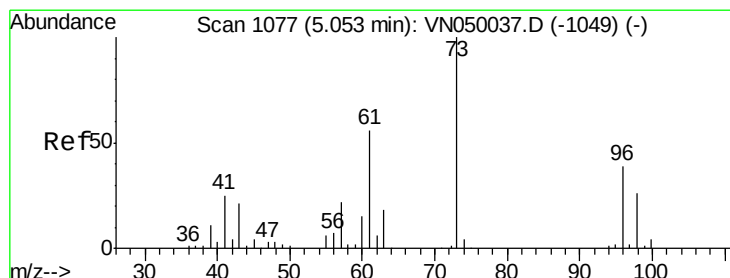
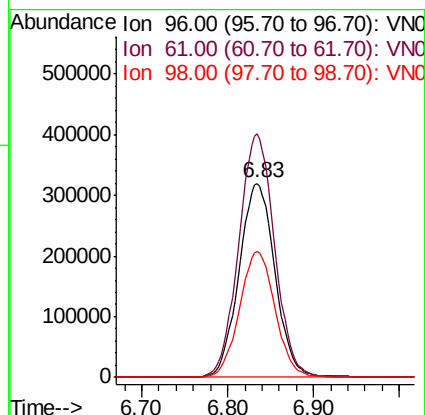
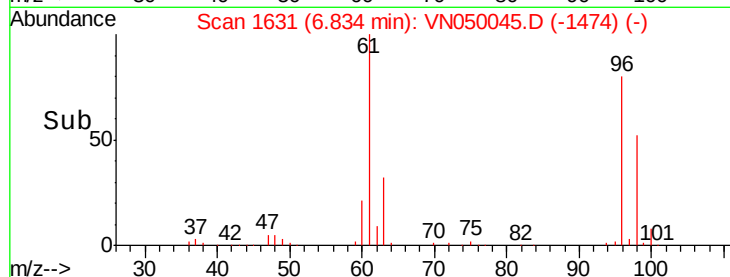
7/26/2018 3:54:23 PM



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 25.28 ug/l

RT: 5.06 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VN050045.D

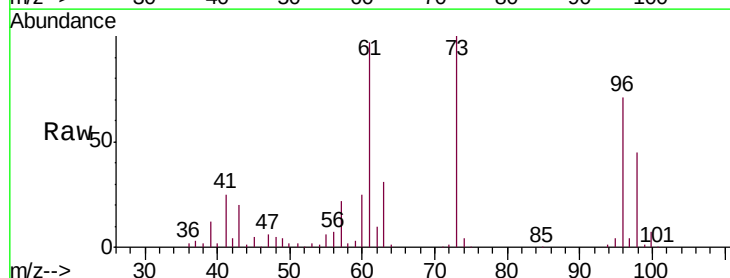
Acq: 25 Jul 2018 14:43

Tgt Ion: 73 Resp: 448794

Ion Ratio Lower Upper

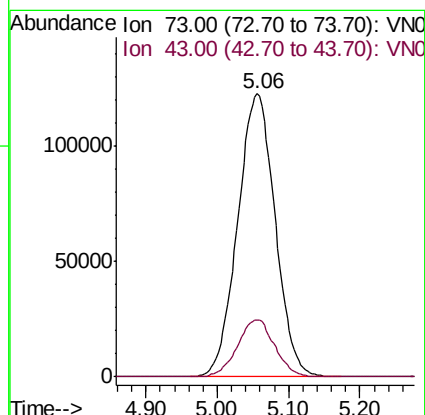
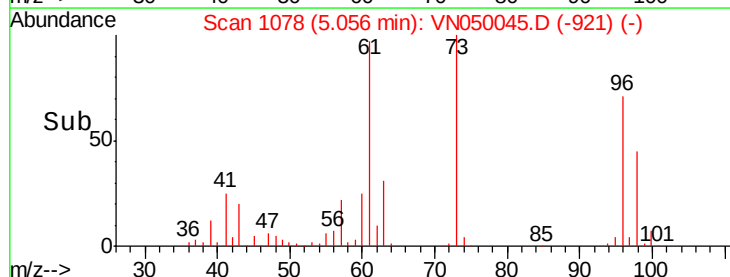
73 100

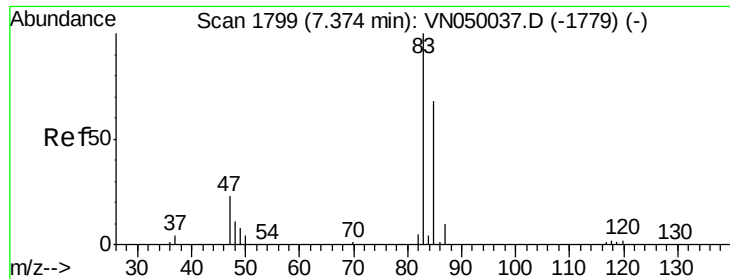
43 20.1 15.5 23.3



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





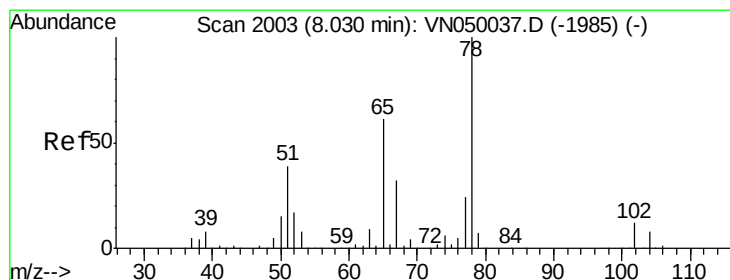
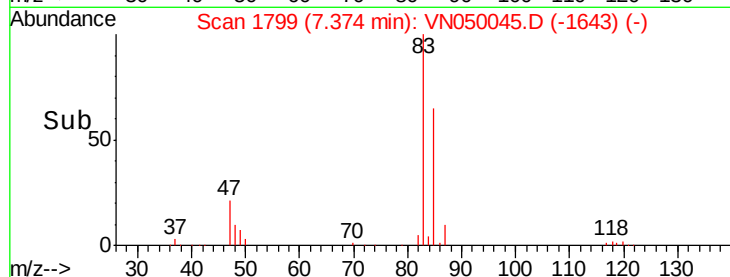
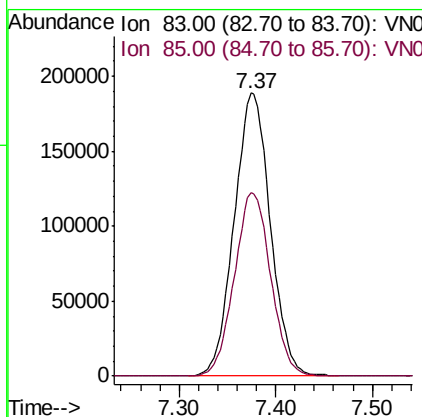
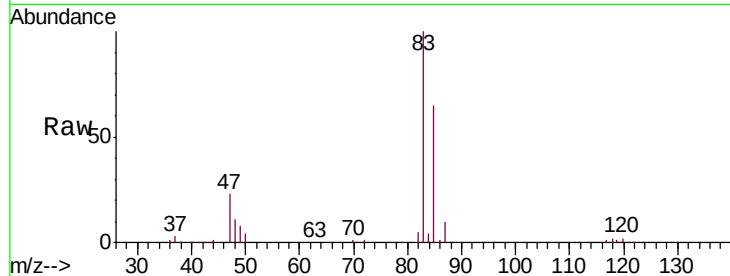
#25
Chloroform
Concen: 36.53 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Instrument :
MSVOA_N
ClientSampled :
1513

Tot Ion: 83 Resp: 490262
Ion Ratio Lower Upper
83 100
85 65.0 52.1 78.1

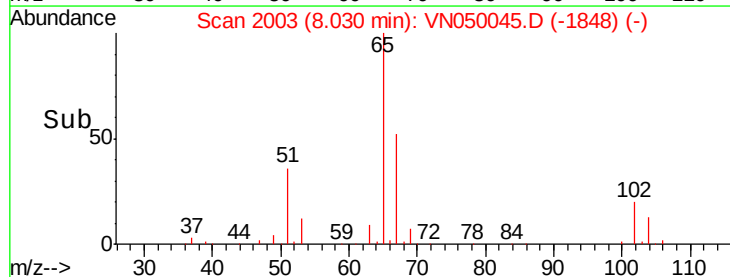
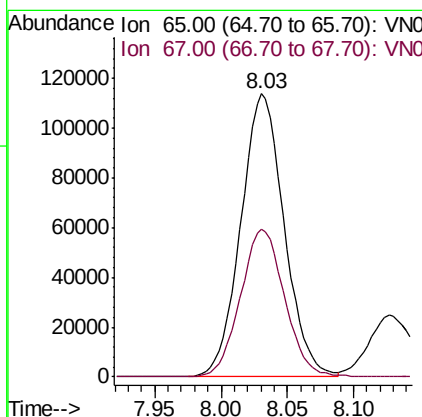
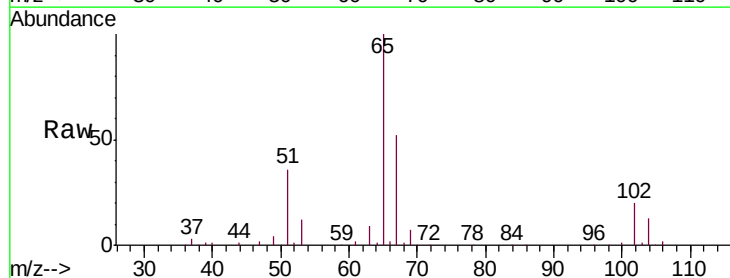
Manual Integrations
APPROVED

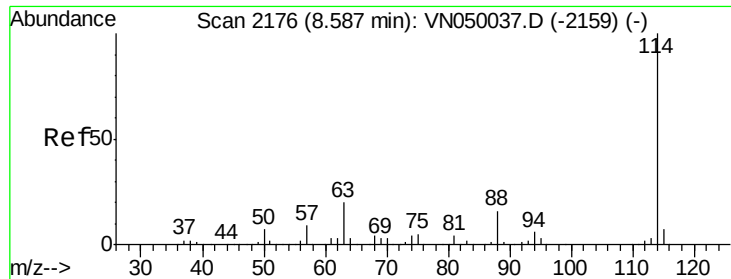
MMDadoda
7/26/2018 3:54:23 PM



#27
1,2-Dichloroethane-d4
Concen: 31.12 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. -0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Tgt Ion: 65 Resp: 258331
Ion Ratio Lower Upper
65 100
67 53.3 42.7 64.1





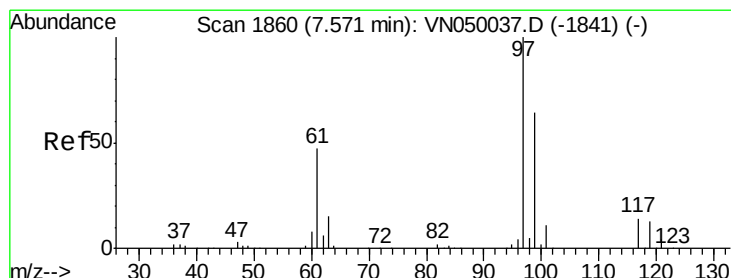
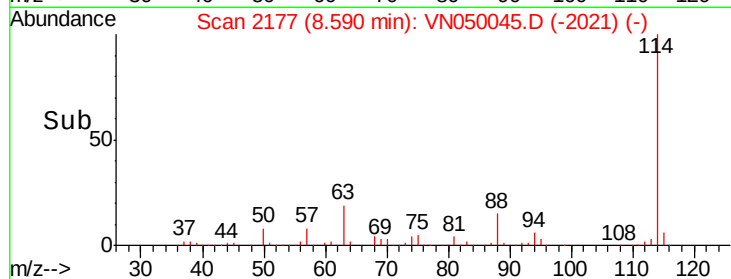
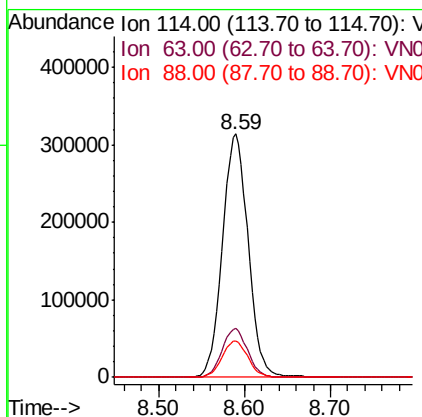
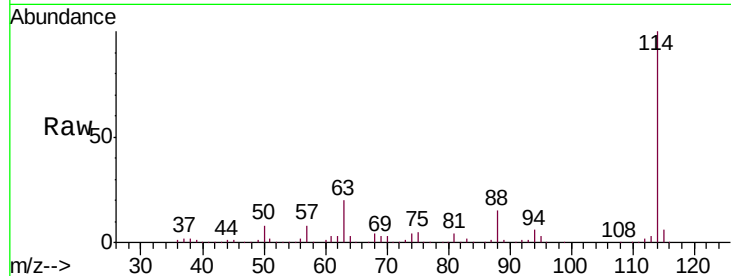
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 1513

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	16.2	24.2
88	15.0	12.3	18.5

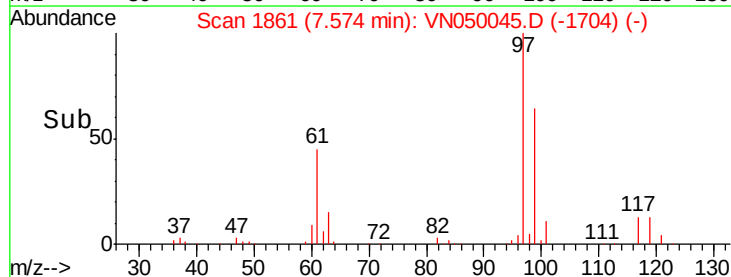
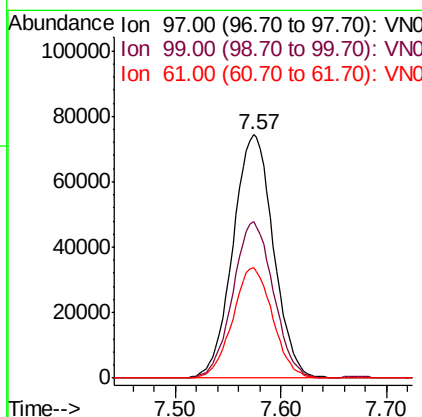
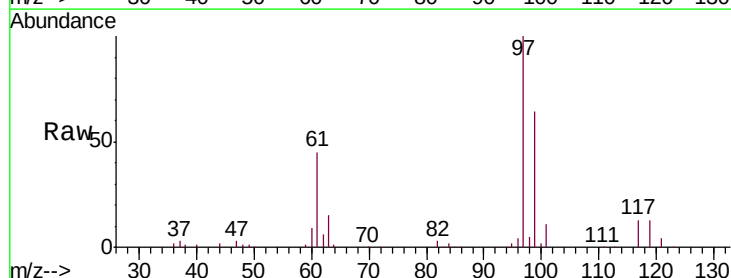
Manual Integrations
 APPROVED

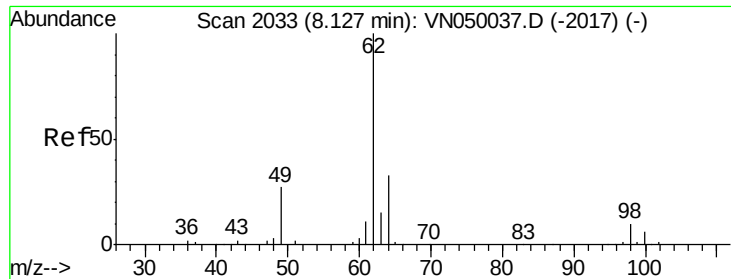
MMDadoda
 7/26/2018 3:54:23 PM



#32
 1,1,1-Trichloroethane
 Concen: 16.58 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.2	76.8
61	44.8	35.3	52.9





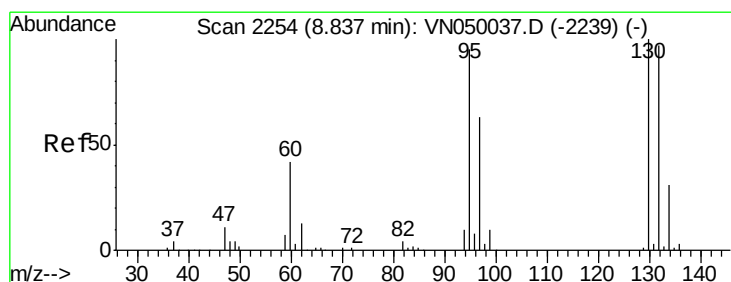
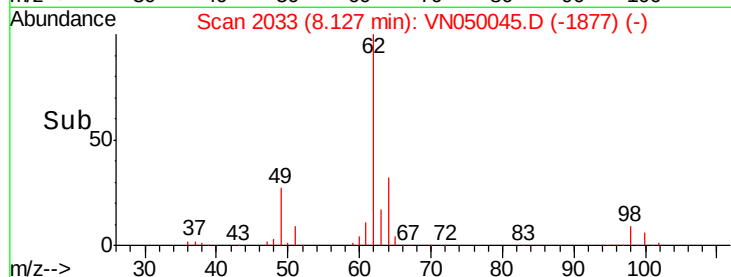
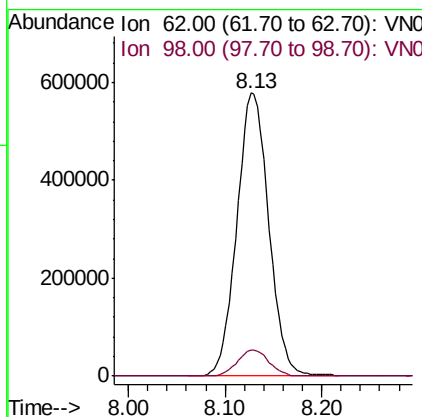
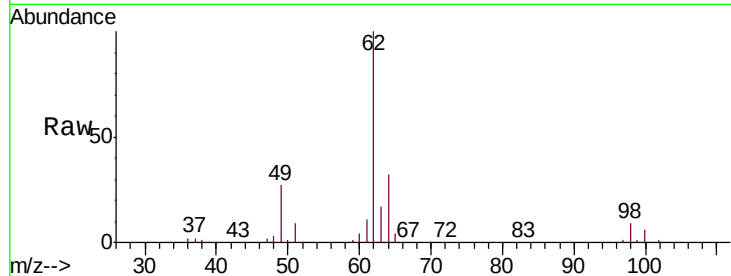
#36
 1,2-Dichloroethane
 Concen: 131.17 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Instrument :
 MSVOA_N
 ClientSampled :
 1513

Tot Ion: 62 Resp: 1326597
 Ion Ratio Lower Upper
 62 100
 98 9.3 7.8 11.6

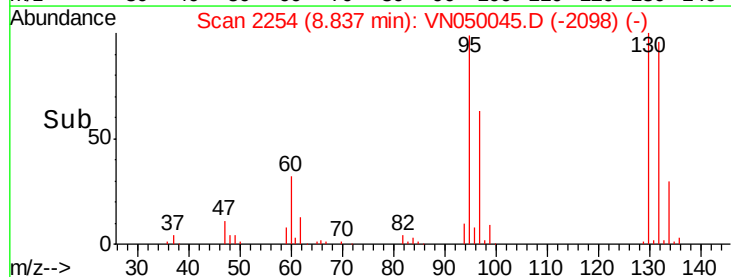
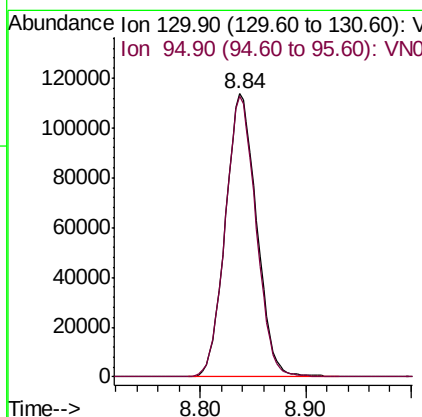
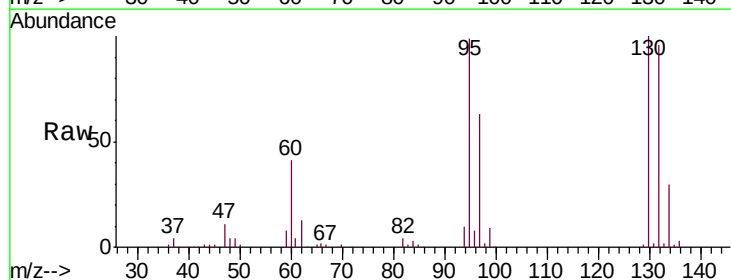
Manual Integrations
 APPROVED

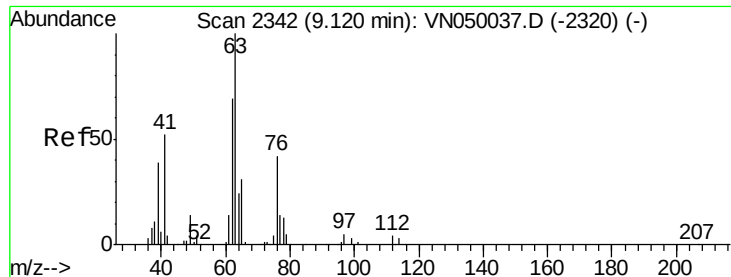
MMDadoda
 7/26/2018 3:54:23 PM



#37
 Trichloroethene
 Concen: 28.81 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Tgt Ion:130 Resp: 232790
 Ion Ratio Lower Upper
 130 100
 95 99.1 79.7 119.5





#39

1,2-Dichloropropane

Concen: 88.75 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

1513

Tot Ion: 63 Resp: 720175

Ion Ratio Lower Upper

63 100

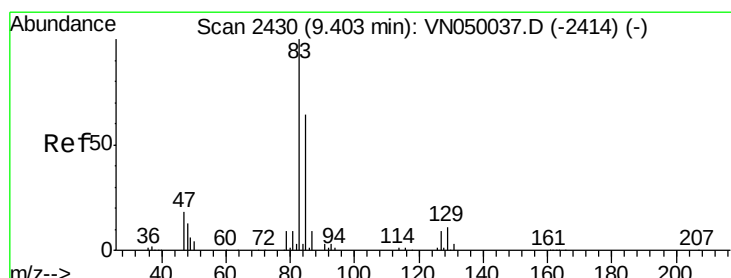
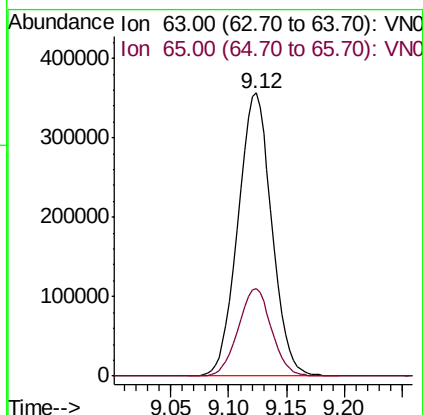
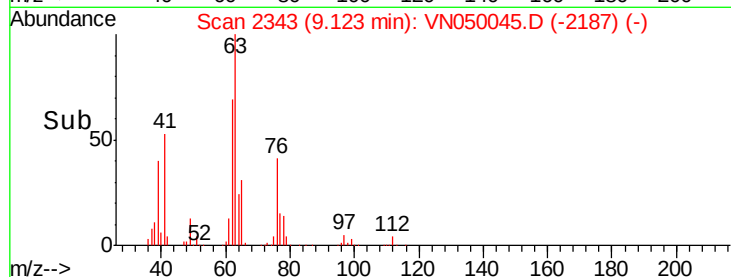
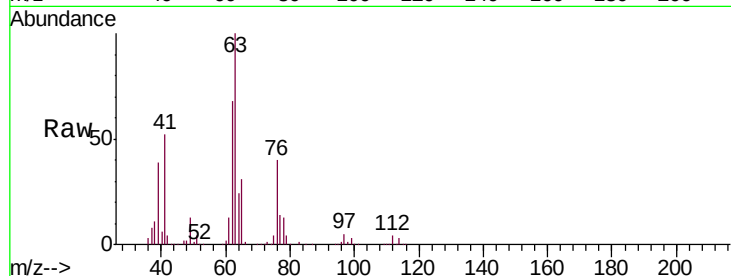
65 31.1 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

7/26/2018 3:54:23 PM



#41

Bromodichloromethane

Concen: 96.00 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

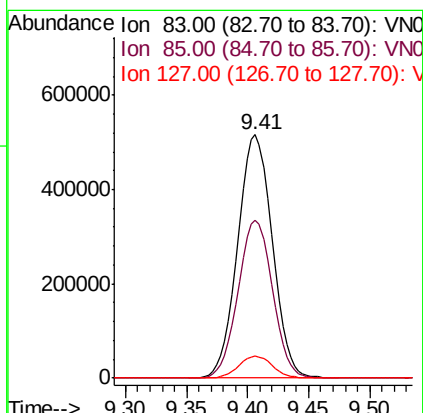
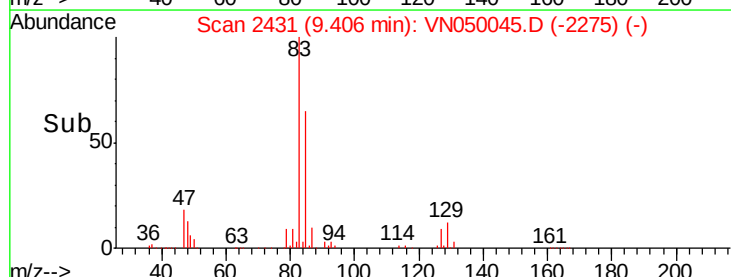
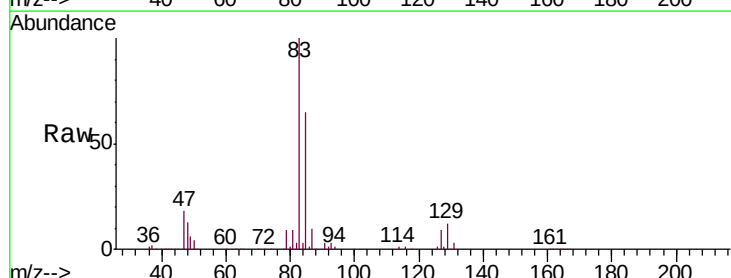
Tgt Ion: 83 Resp: 1015586

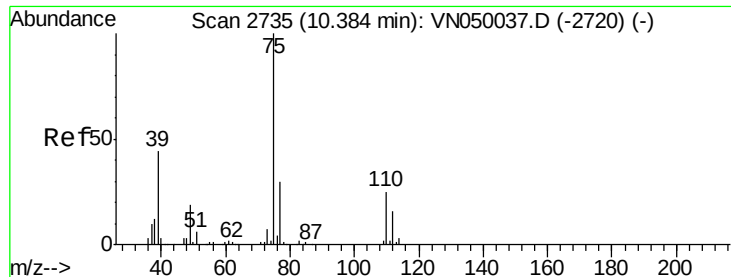
Ion Ratio Lower Upper

83 100

85 65.0 52.6 78.8

127 8.9 7.0 10.4





#48

t-1,3-Dichloropropene

Concen: 64.44 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :
1513

Tot Ion: 75 Resp: 649828

Ion Ratio Lower Upper

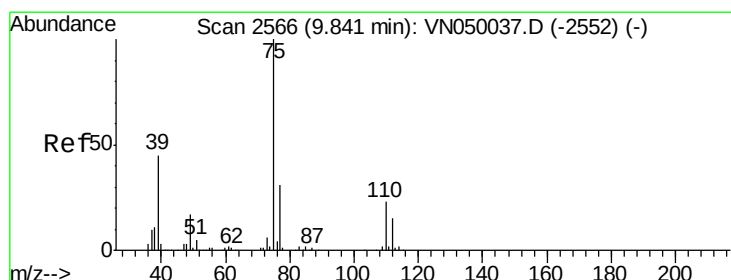
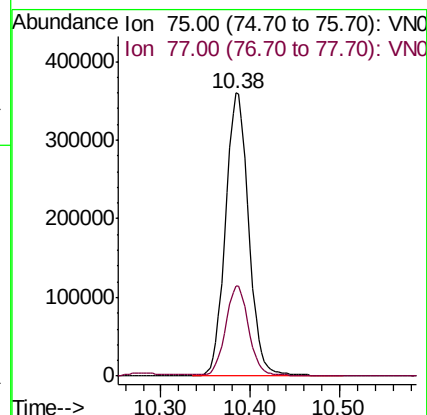
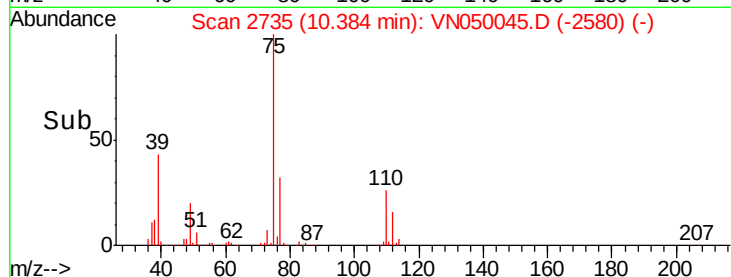
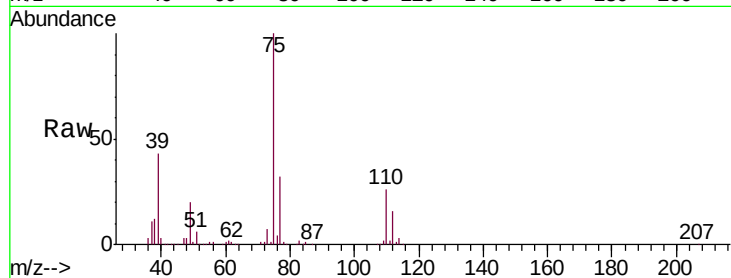
75 100

77 31.8 24.6 37.0

Manual Integrations
APPROVED

MMDadoda

7/26/2018 3:54:23 PM



#49

cis-1,3-Dichloropropene

Concen: 105.66 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

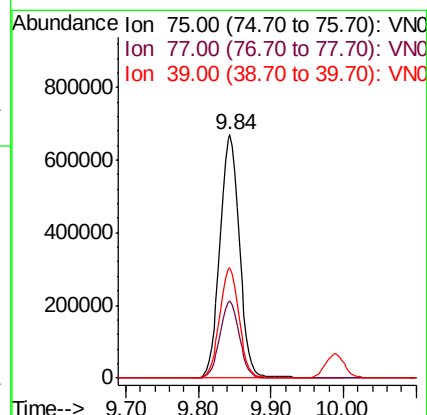
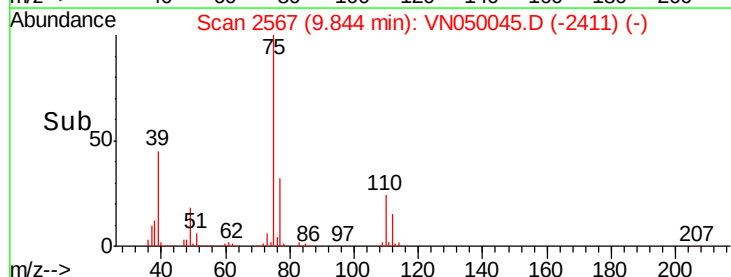
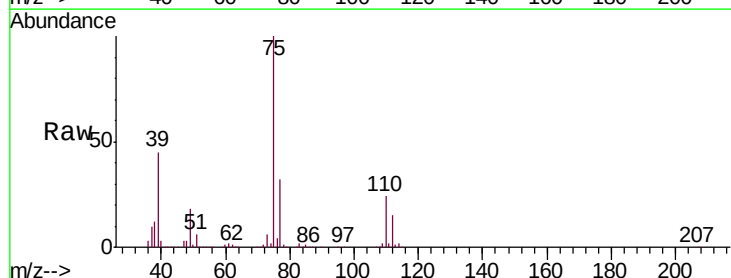
Tgt Ion: 75 Resp: 1251854

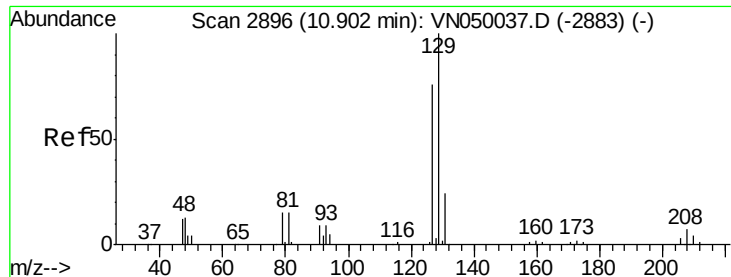
Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

39 45.3 36.3 54.5





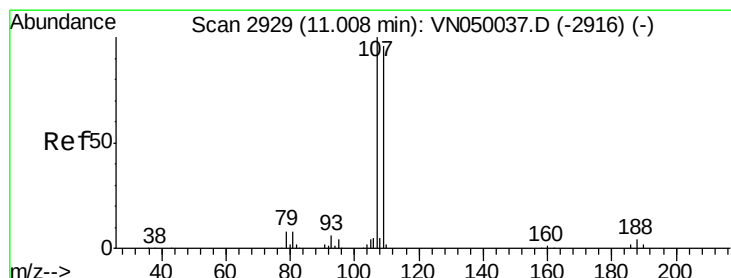
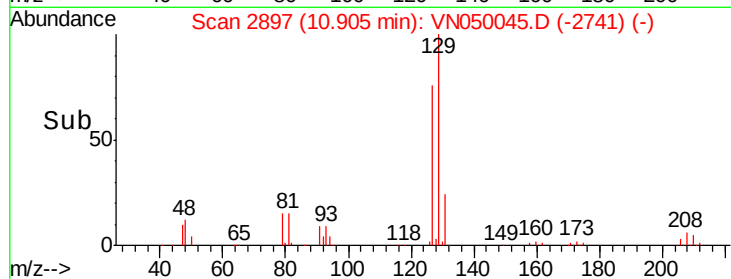
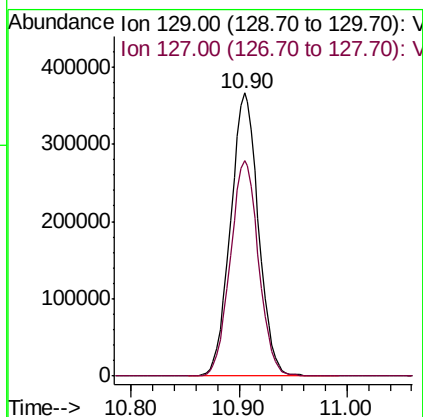
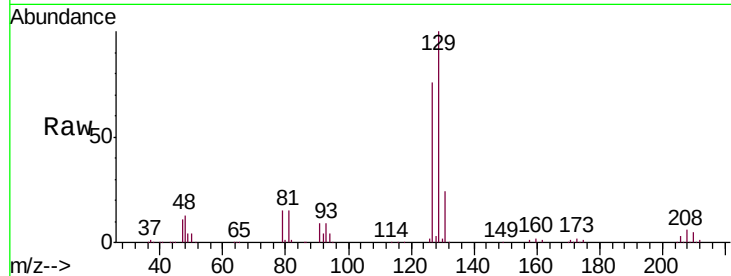
#53
 Dibromochloromethane
 Concen: 80.73 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Instrument :
 MSVOA_N
 ClientSampled :
 1513

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		659561		
127	77.2	38.1	114.5		

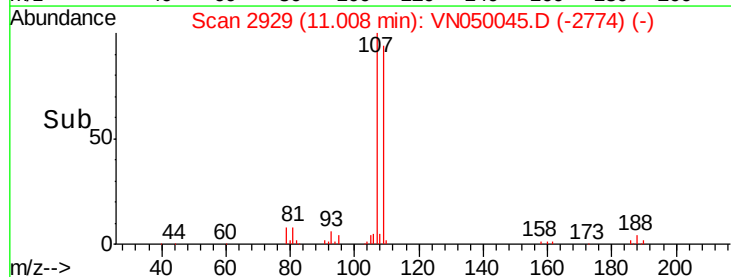
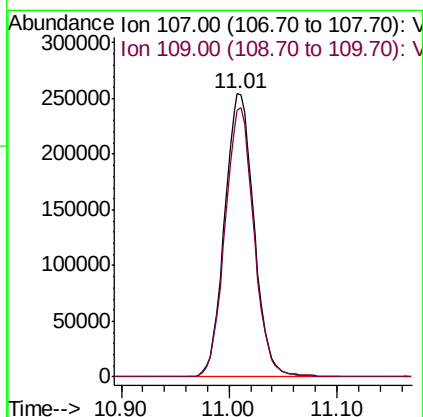
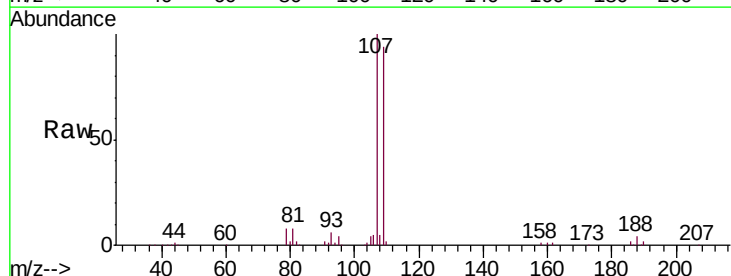
Manual Integrations
 APPROVED

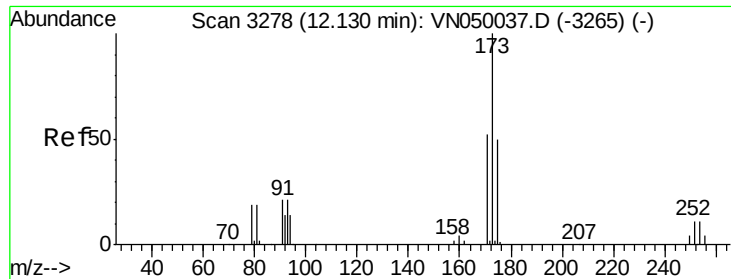
MMDadoda
 7/26/2018 3:54:23 PM



#54
 1,2-Dibromoethane
 Concen: 68.36 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		481956		
109	93.9	76.2	114.2		





#56

Bromoform

Concen: 17.96 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

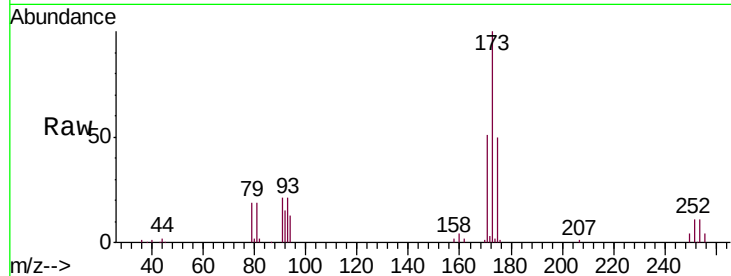
ClientSampled :

1513

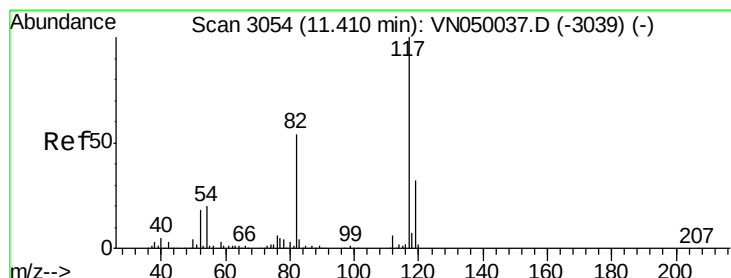
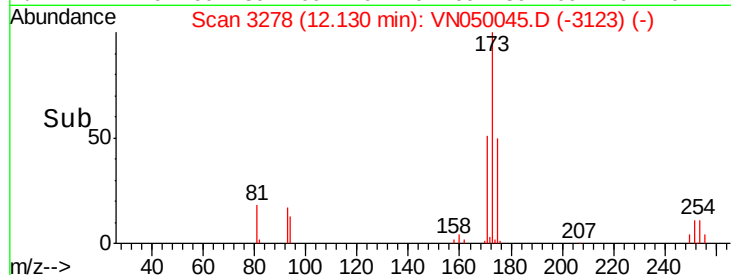
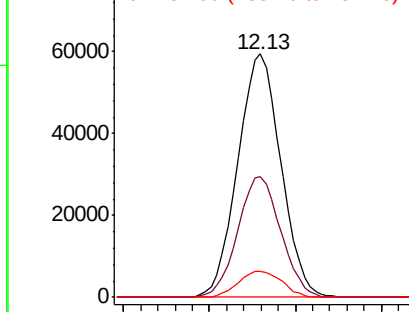
Tot Ion:	173	Resp:	103603
Ion Ratio	Lower	Upper	
173	100		
175	49.5	38.6	57.8
254	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/26/2018 3:54:23 PM



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

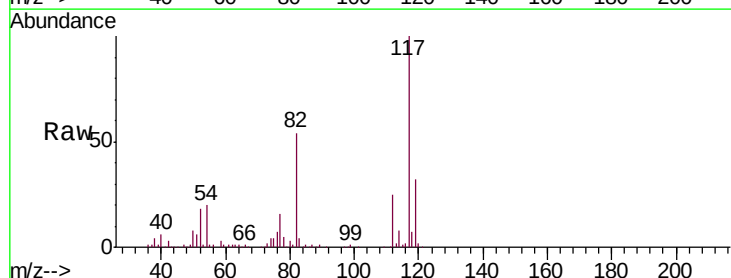
RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

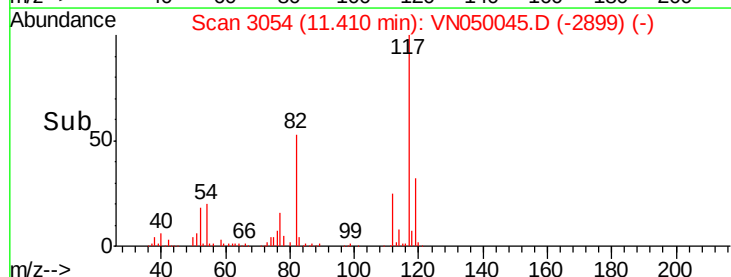
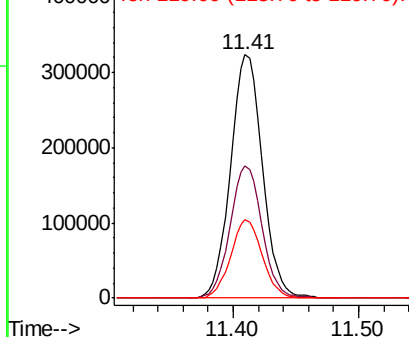
Lab File: VN050045.D

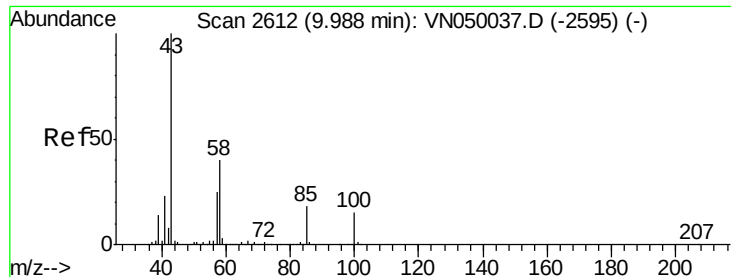
Acq: 25 Jul 2018 14:43

Tgt Ion:	117	Resp:	572175
Ion Ratio	Lower	Upper	
117	100		
82	54.6	42.4	63.6
119	31.9	25.4	38.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V





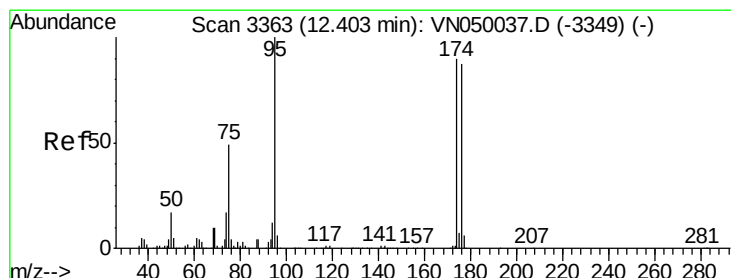
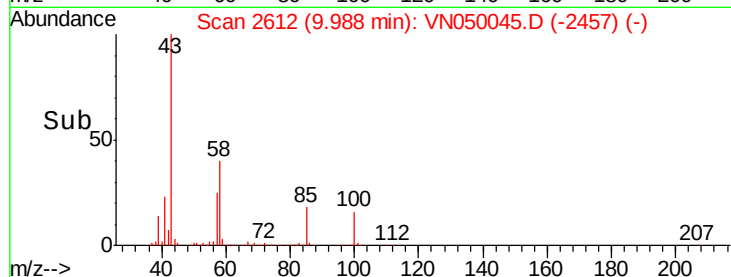
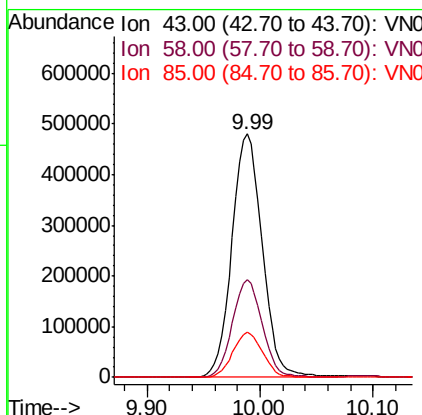
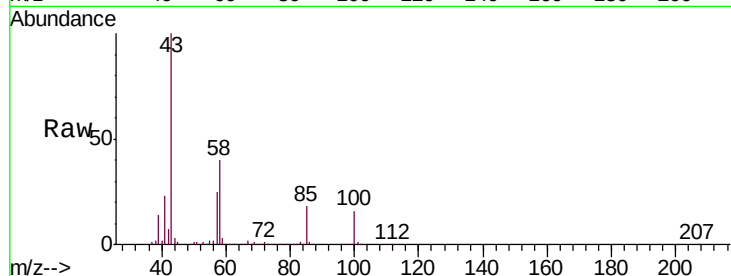
#58
4-Methyl-2-Pentanone
Concen: 134.79 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Instrument :
MSVOA_N
ClientSampled :
1513

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.2	46.8
85	18.4	14.4	21.6

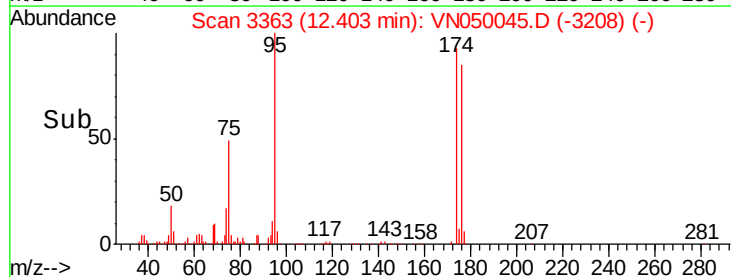
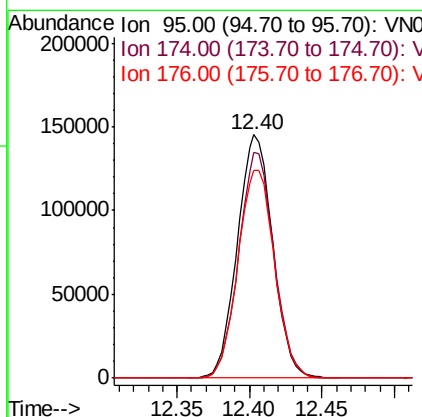
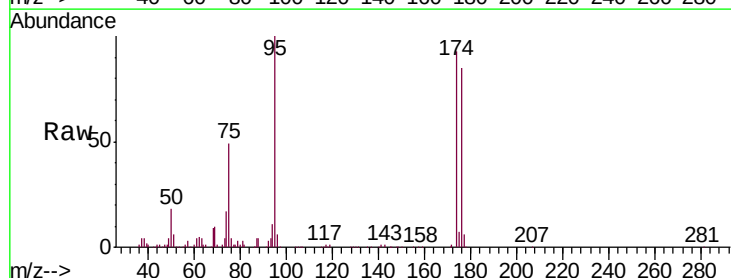
Manual Integrations
APPROVED

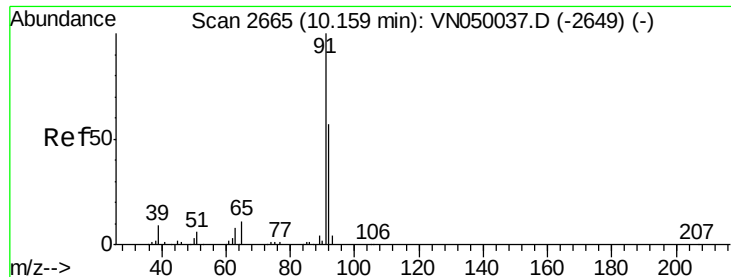
MMDadoda
7/26/2018 3:54:23 PM



#60
4-Bromofluorobenzene
Concen: 28.07 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	72.3	108.5
176	88.2	70.0	105.0





#62

Toluene

Concen: 41.84 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

1513

Tot Ion: 91 Resp: 1365943

Ion Ratio Lower Upper

91 100

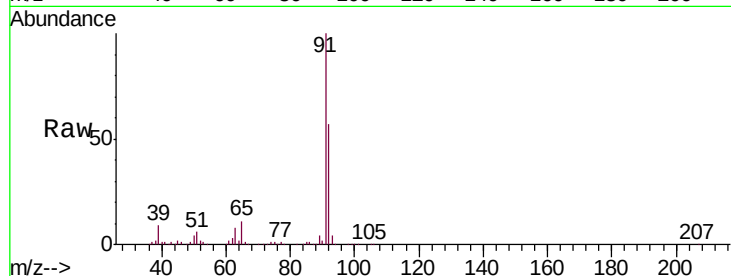
92 56.6 45.7 68.5

Manual Integrations

APPROVED

MMDadoda

7/26/2018 3:54:23 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

10.16

800000

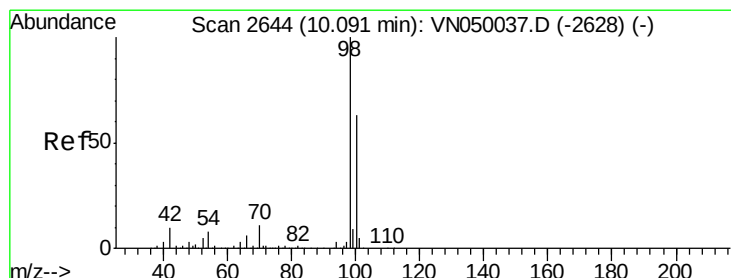
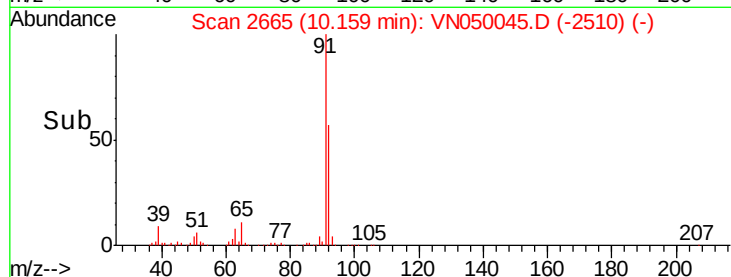
600000

400000

200000

0

Time-->



#63

Toluene-d8

Concen: 30.64 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050045.D

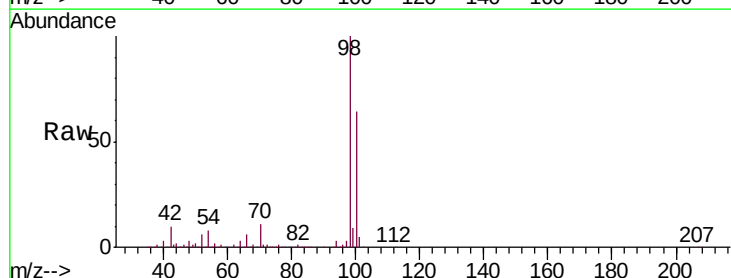
Acq: 25 Jul 2018 14:43

Tgt Ion: 98 Resp: 837484

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09

500000

400000

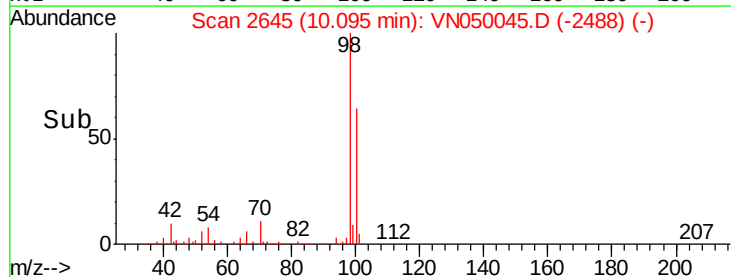
300000

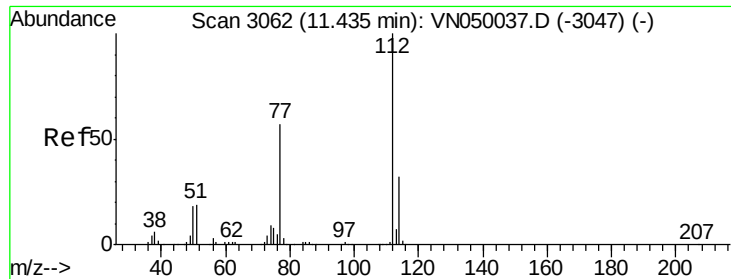
200000

100000

0

Time-->





#64

Chlorobenzene

Concen: 108.10 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

1513

Tot Ion:112 Resp: 2139982

Ion Ratio Lower Upper

112 100

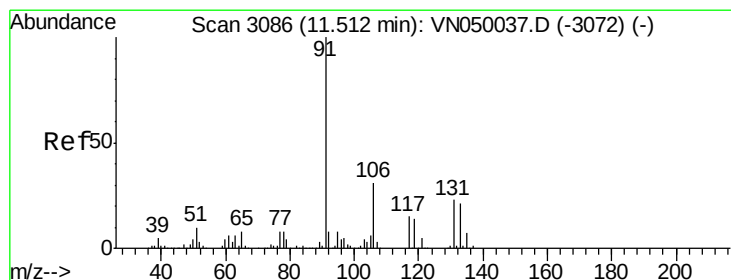
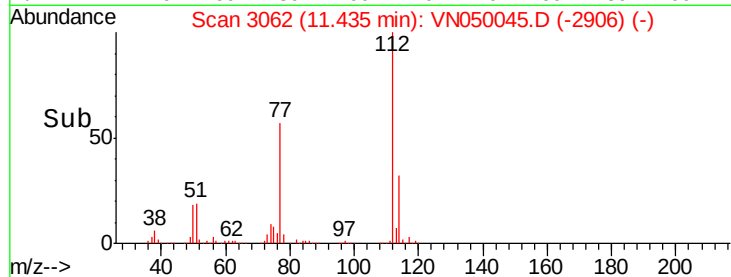
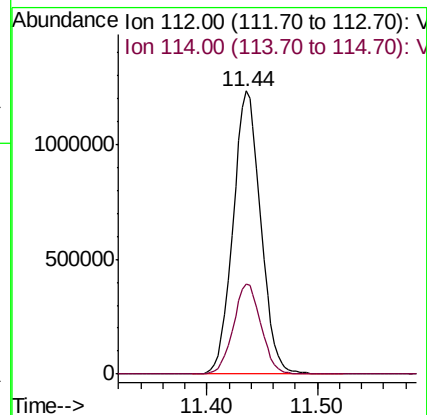
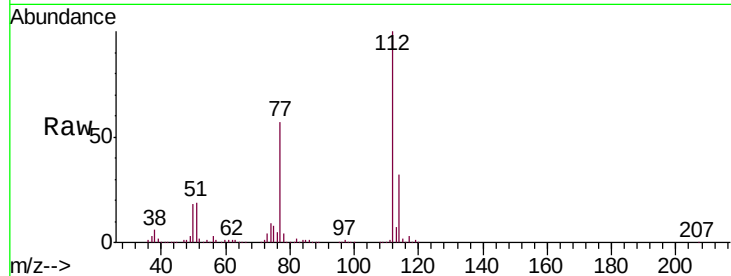
114 32.0 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

7/26/2018 3:54:23 PM



#66

Ethyl Benzene

Concen: 36.86 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050045.D

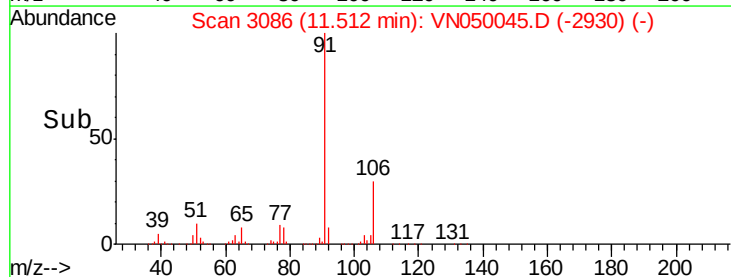
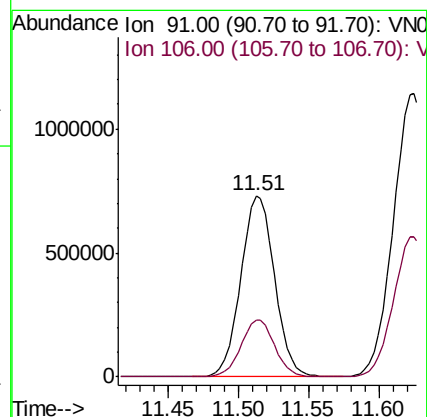
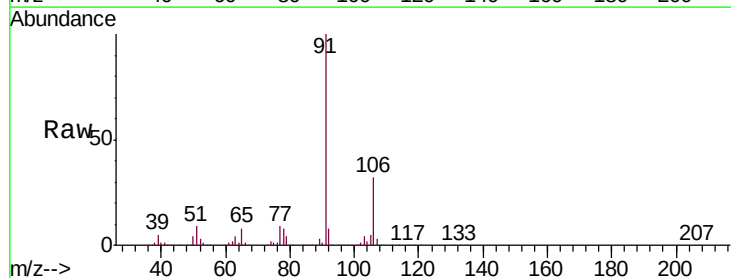
Acq: 25 Jul 2018 14:43

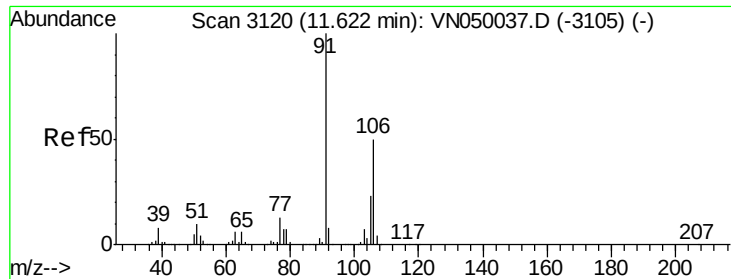
Tgt Ion: 91 Resp: 1229635

Ion Ratio Lower Upper

91 100

106 31.5 25.1 37.7





#67

m/p-Xylenes

Concen: 83.07 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :
1513

Tot Ion:106 Resp: 1066564

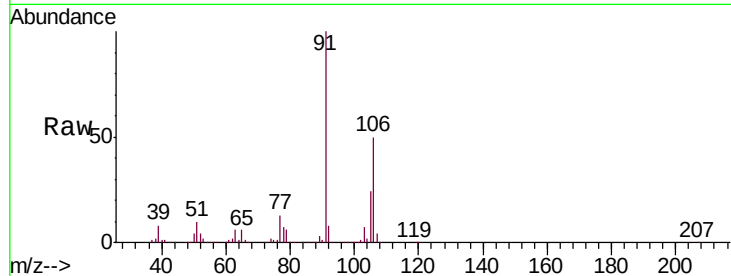
Ion Ratio Lower Upper

106 100

91 202.8 162.5 243.7

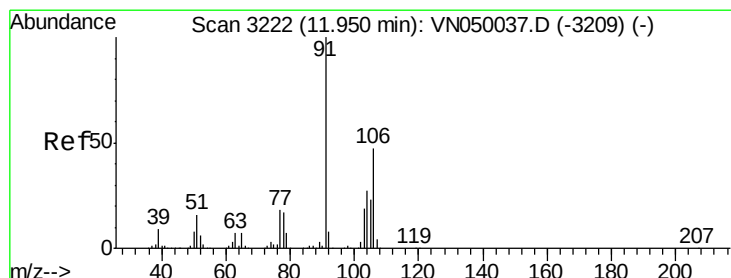
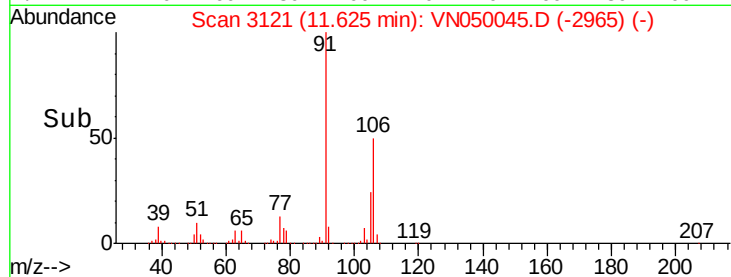
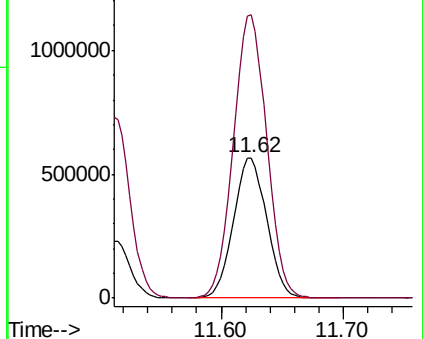
Manual Integrations
APPROVED

MMDadoda
7/26/2018 3:54:23 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 90.41 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050045.D

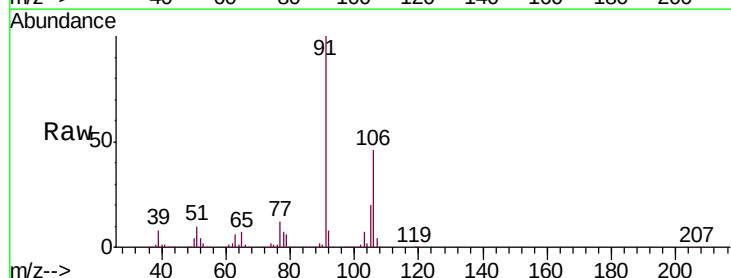
Acq: 25 Jul 2018 14:43

Tgt Ion:106 Resp: 1104421

Ion Ratio Lower Upper

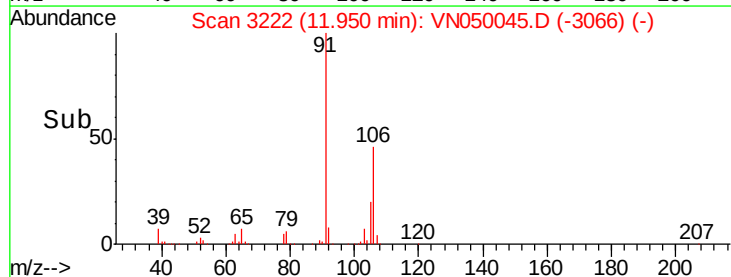
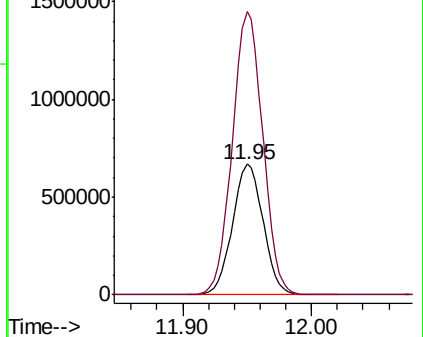
106 100

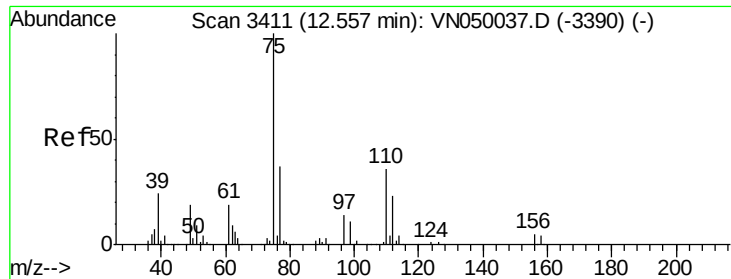
91 215.6 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#72

1,2,3-Trichloropropane

Concen: 80.44 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

1513

Tot Ion: 75 Resp: 613686

Ion Ratio Lower Upper

75 100

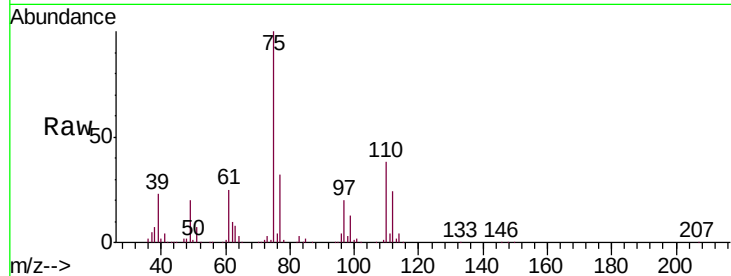
77 32.3 0.0 454.4

Manual Integrations

APPROVED

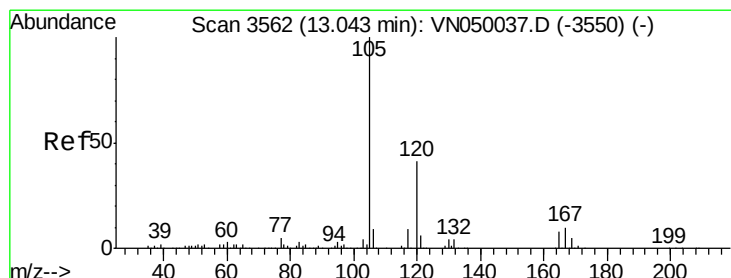
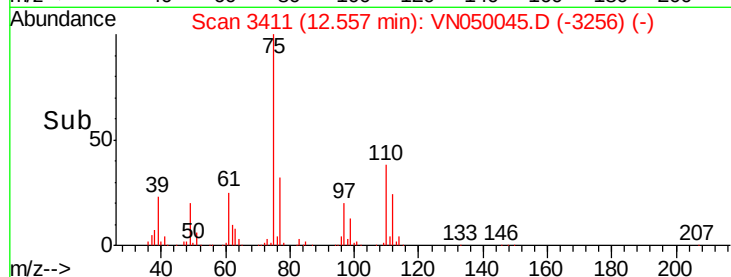
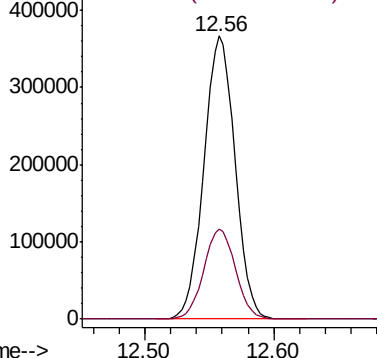
MMDadoda

7/26/2018 3:54:23 PM



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,2,4-Trimethylbenzene

Concen: 36.51 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.00 min

Lab File: VN050045.D

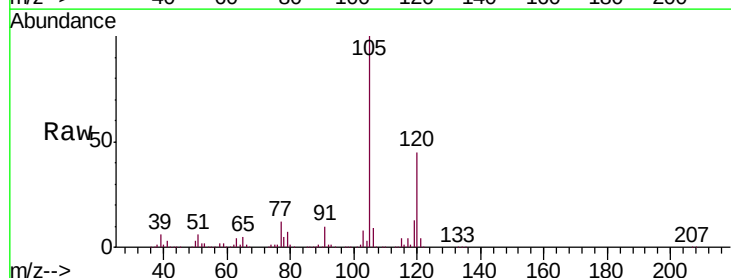
Acq: 25 Jul 2018 14:43

Tgt Ion: 105 Resp: 988275

Ion Ratio Lower Upper

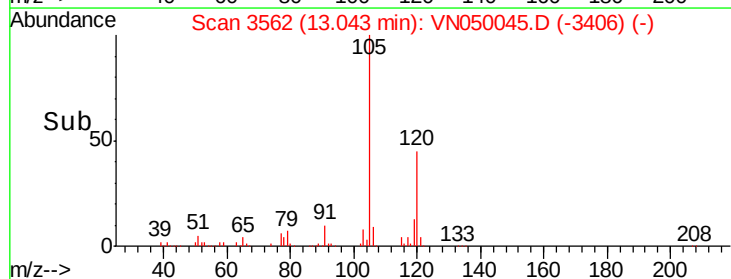
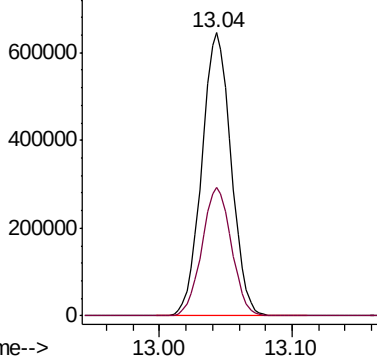
105 100

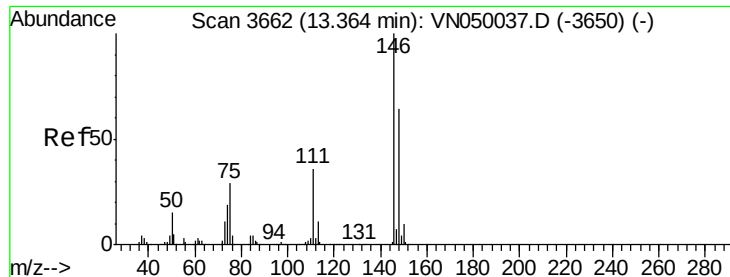
120 45.7 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,4-Dichlorobenzene

Concen: 96.97 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

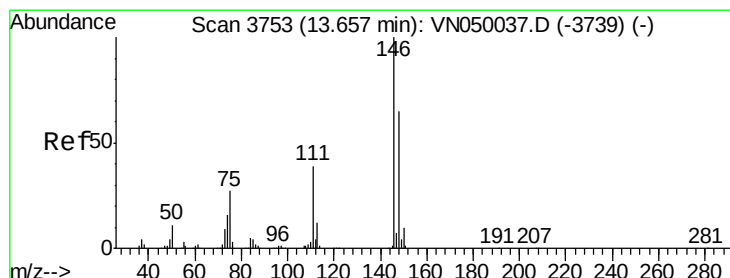
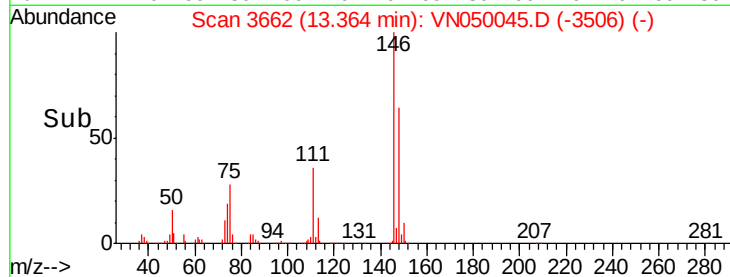
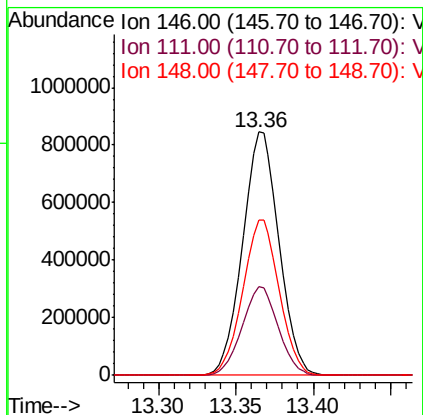
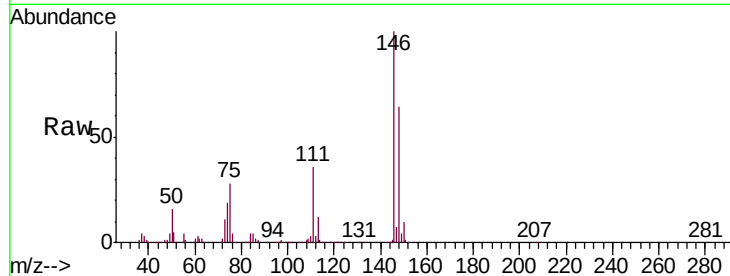
MSVOA_N

ClientSampled :
1513

Tot Ion:	146	Resp:	1382844
Ion	Ratio	Lower	Upper
146	100		
111	36.2	17.9	53.8
148	63.9	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
7/26/2018 3:54:23 PM



#87

1,2-Dichlorobenzene

Concen: 70.82 ug/l

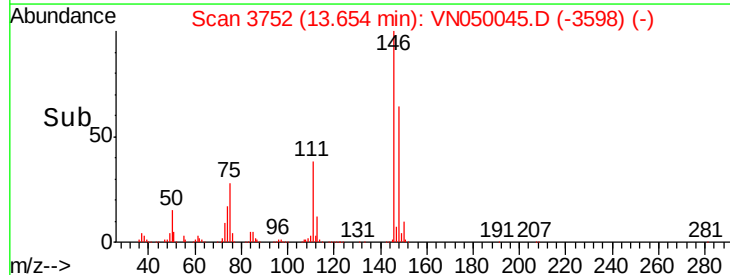
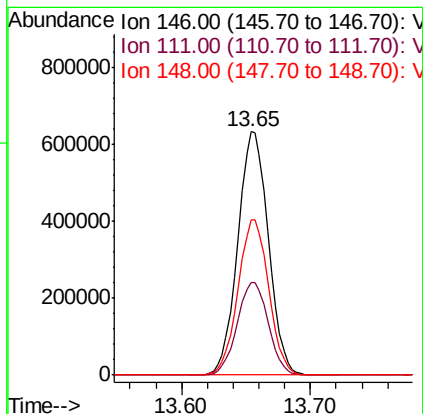
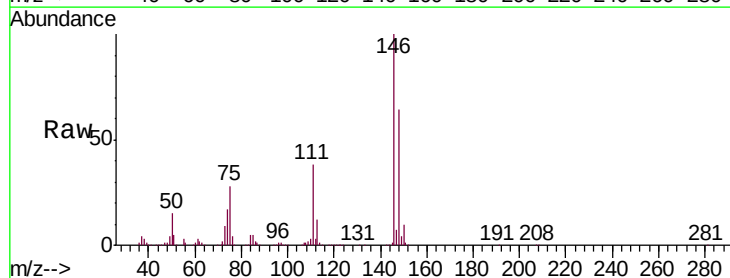
RT: 13.65 min Scan# 3752

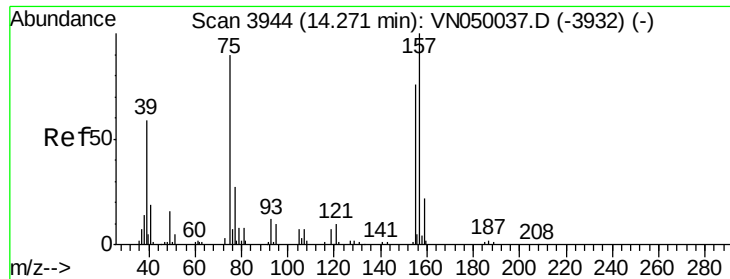
Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Tgt Ion:	146	Resp:	1044622
Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.3
148	64.0	31.8	95.3





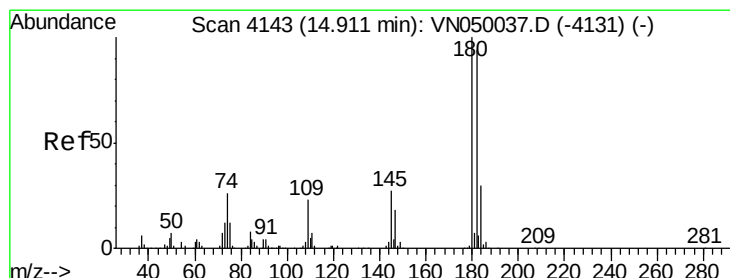
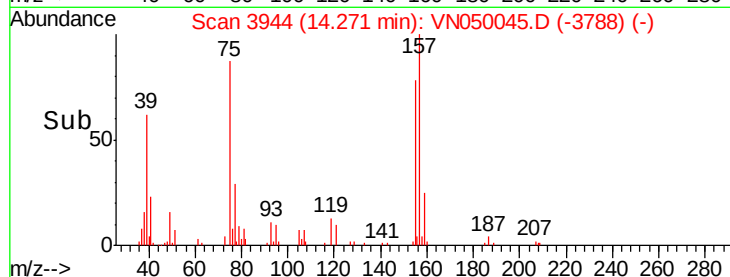
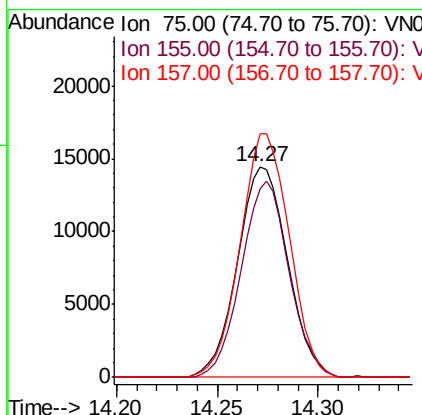
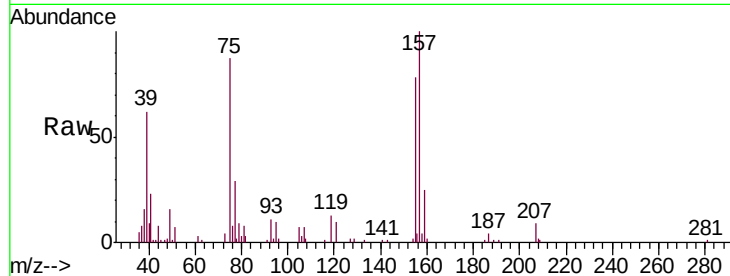
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.06 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Instrument :
 MSVOA_N
 ClientSampled :
 1513

Tot Ion	Ratio	Lower	Upper
75	100		
155	88.7	73.0	109.6
157	113.5	94.9	142.3

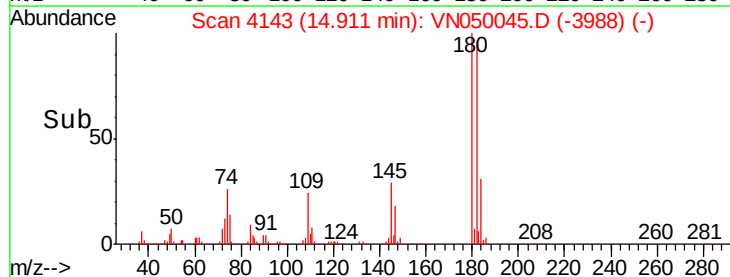
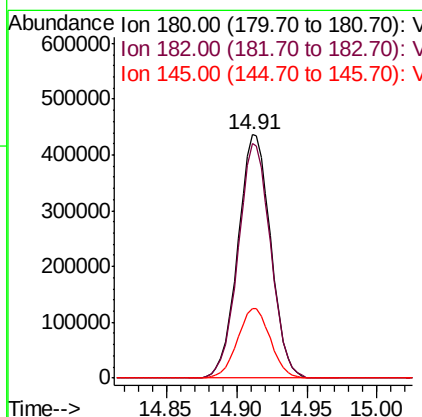
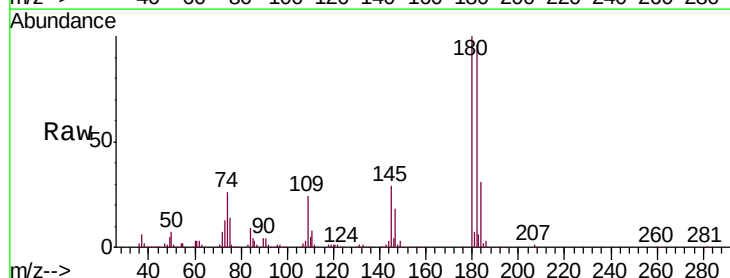
Manual Integrations
 APPROVED

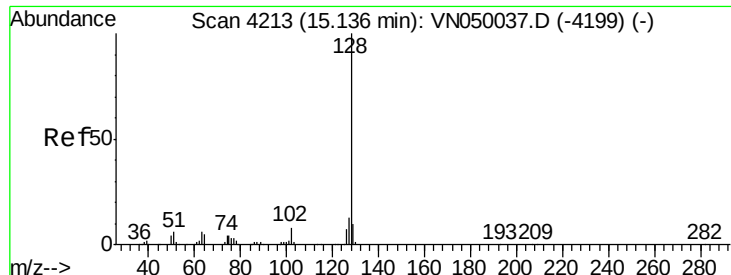
MMDadoda
 7/26/2018 3:54:23 PM



#89
 1,2,4-Trichlorobenzene
 Concen: 100.70 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.7	115.1
145	28.7	23.4	35.0





#91
Naphthalene
Concen: 100.62 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
1513

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.9	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
7/26/2018 3:54:23 PM

