

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051110.D
 Acq On : 11 Sep 2018 7:56
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 10:06:37 AM

Quant Time: Sep 12 01:16:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	704840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	990172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	895829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	462472	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	383599	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	7.59	113	374619	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	10.09	98	1441461	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.40	95	484704	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	312200	45.93	ug/l	99
3) Chloromethane	2.06	50	414006	47.13	ug/l	99
4) Vinyl Chloride	2.18	62	426490	45.71	ug/l	98
5) Bromomethane	2.56	94	258417	49.06	ug/l	98
6) Chloroethane	2.70	64	262353	45.56	ug/l	98
7) Trichlorofluoromethane	3.01	101	576995	46.67	ug/l	99
8) Diethyl Ether	3.41	74	218200	47.99	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	377625	47.38	ug/l	99
10) Methyl Iodide	3.95	142	342143	46.37	ug/l	99
11) Tert butyl alcohol	4.79	59	130527	217.86	ug/l	99
12) 1,1-Dichloroethene	3.73	96	349805	46.53	ug/l	98
13) Acrolein	3.61	56	173441	238.42	ug/l	97
14) Allyl chloride	4.32	41	546375	47.70	ug/l	99
15) Acrylonitrile	4.99	53	621762	234.21	ug/l	99
16) Acetone	3.82	43	533014	275.42	ug/l	99
17) Carbon Disulfide	4.05	76	1026576	46.34	ug/l	100
18) Methyl Acetate	4.32	43	284034	45.22	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	968332	48.72	ug/l	100
20) Methylene Chloride	4.55	84	395162	45.61	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	375407	46.03	ug/l	100
22) Diisopropyl ether	5.95	45	1125721	49.51	ug/l	97
23) Vinyl Acetate	5.90	43	3810362	247.63	ug/l	100
24) 1,1-Dichloroethane	5.85	63	678656	47.04	ug/l	100
25) 2-Butanone	6.83	43	745776	241.83	ug/l	100
26) 2,2-Dichloropropane	6.82	77	556095	47.10	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	419598	46.90	ug/l	100
28) Bromochloromethane	7.19	49	303886	47.33	ug/l	100
29) Tetrahydrofuran	7.21	42	459019	238.35	ug/l	99
30) Chloroform	7.37	83	673773	46.95	ug/l	100
31) Cyclohexane	7.65	56	624456	48.54	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	582120	47.60	ug/l	99
36) 1,1-Dichloropropene	7.79	75	532330	48.97	ug/l	100
37) Ethyl Acetate	6.93	43	307656	48.86	ug/l	99
38) Carbon Tetrachloride	7.77	117	514084	48.05	ug/l	98

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MMDadoda
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Quant Time: Sep 12 01:16:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	614093	51.20	ug/l	99
40) Benzene	8.04	78	1591431	48.58	ug/l	99
41) Methacrylonitrile	7.17	41	142145	43.76	ug/l	93
42) 1,2-Dichloroethane	8.12	62	462792	48.47	ug/l	100
43) Isopropyl Acetate	8.16	43	556268	50.07	ug/l	100
44) Trichloroethene	8.83	130	431711	48.18	ug/l	99
45) 1,2-Dichloropropane	9.12	63	411965	48.67	ug/l	100
46) Dibromomethane	9.21	93	241764	46.81	ug/l	99
47) Bromodichloromethane	9.40	83	515603	49.10	ug/l	98
48) Methyl methacrylate	9.20	41	270063	49.88	ug/l	100
49) 1,4-Dioxane	9.20	88	82246	968.78	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1511472	246.03	ug/l	100
52) Toluene	10.16	92	998436	49.98	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	529235	50.35	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	622530	50.52	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	353784	48.76	ug/l	99
56) Ethyl methacrylate	10.43	69	452809	46.67	ug/l	100
57) 1,3-Dichloropropane	10.71	76	586444	48.75	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	940094	230.90	ug/l	99
59) 2-Hexanone	10.75	43	1047524	251.42	ug/l	100
60) Dibromochloromethane	10.90	129	400584	48.98	ug/l	100
61) 1,2-Dibromoethane	11.00	107	351094	49.50	ug/l	100
64) Tetrachloroethene	10.63	164	389329	47.63	ug/l	98
65) Chlorobenzene	11.43	112	1098616	48.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	396258	48.74	ug/l	100
67) Ethyl Benzene	11.51	91	1871952	51.19	ug/l	99
68) m/p-Xylenes	11.62	106	1460653	103.96	ug/l	99
69) o-Xylene	11.95	106	708296	52.06	ug/l	100
70) Styrene	11.96	104	1141640	54.09	ug/l	99
71) Bromoform	12.13	173	281725	49.22	ug/l #	99
73) Isopropylbenzene	12.25	105	1852373	47.76	ug/l	100
74) N-amyl acetate	12.07	43	475202	48.69	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	440469	49.48	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	367956m	51.36	ug/l	
77) Bromobenzene	12.53	156	478539	45.94	ug/l	98
78) n-propylbenzene	12.59	91	2096470	49.18	ug/l	100
79) 2-Chlorotoluene	12.67	91	1245887	46.76	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1523635	48.59	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	117448	48.23	ug/l	99
82) 4-Chlorotoluene	12.77	91	1250213	47.27	ug/l	100
83) tert-Butylbenzene	12.99	119	1349008	48.73	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1545679	50.13	ug/l	99
85) sec-Butylbenzene	13.17	105	1739560	49.00	ug/l	100
86) p-Isopropyltoluene	13.29	119	1555309	51.67	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	825042	46.68	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	809441	49.88	ug/l	100
89) n-Butylbenzene	13.61	91	1239391	52.90	ug/l	99
90) Hexachloroethane	13.87	117	265971	48.51	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	793128	46.05	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	63073	47.65	ug/l	99

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	377393	45.72	ug/l	99
94) Hexachlorobutadiene	15.01	225	261385	52.16	ug/l	100
95) Naphthalene	15.13	128	724885	42.57	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	363056	45.92	ug/l	100

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

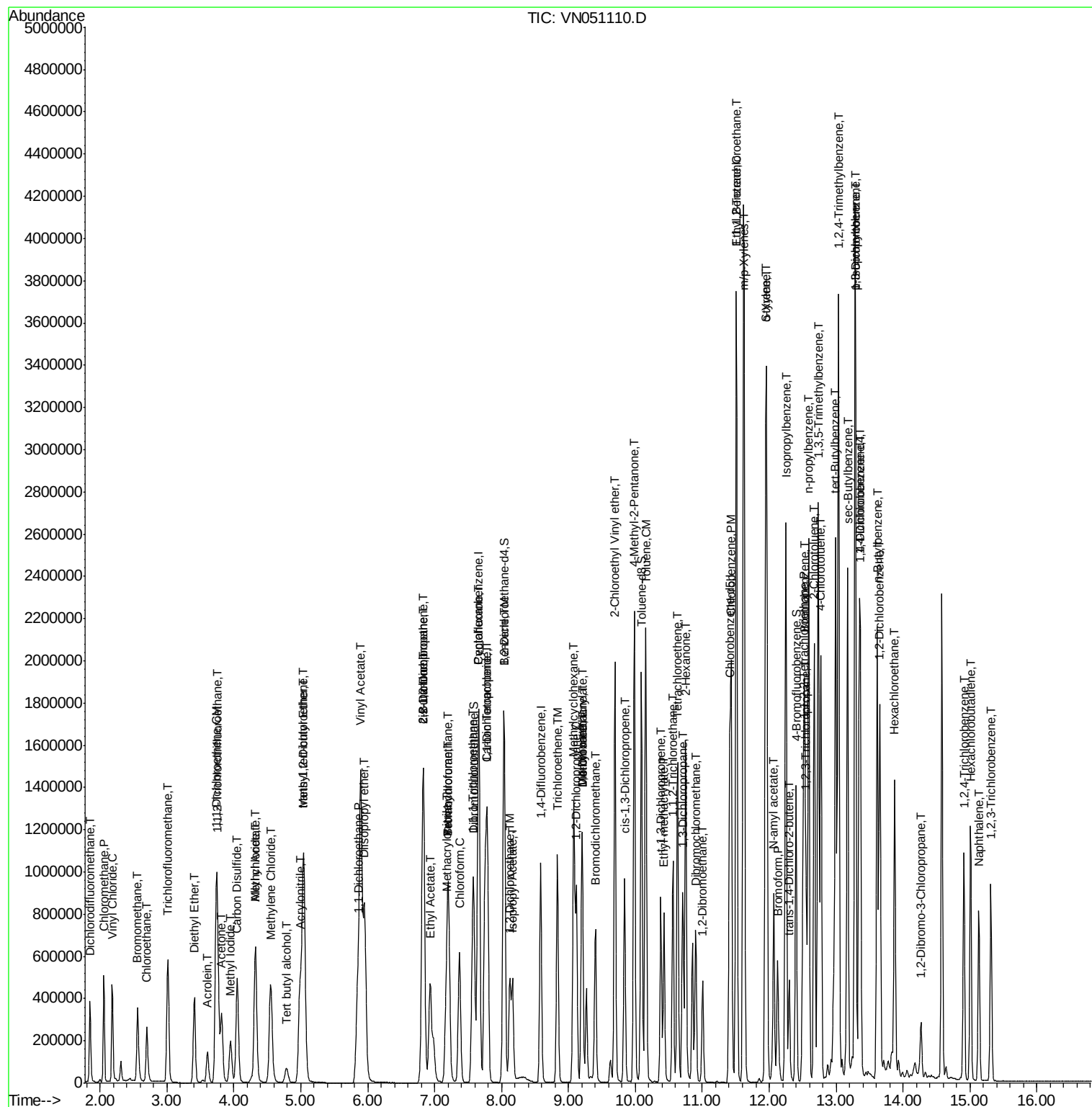
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 Data File : VN051110.D
 Acq On : 11 Sep 2018 7:56
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 Sample : VSTDCCC050
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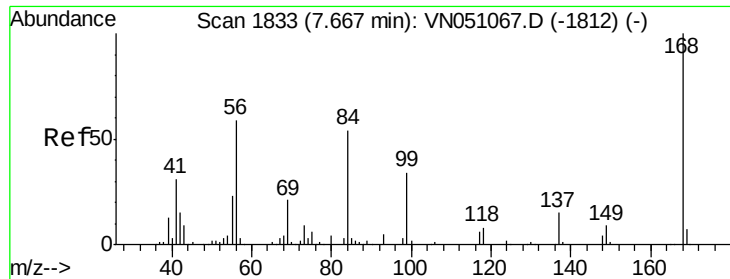
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 704840

Ion Ratio Lower Upper

168 100

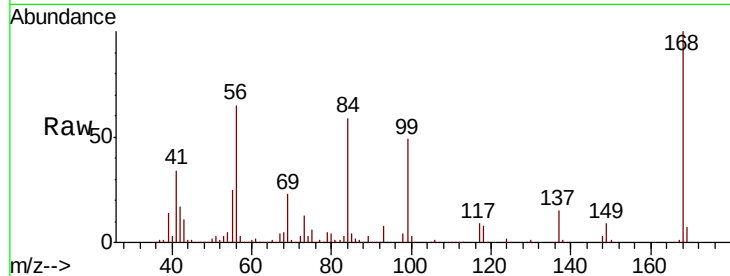
99 49.2 38.3 57.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

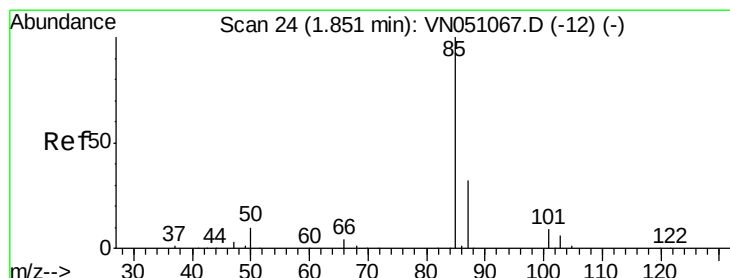
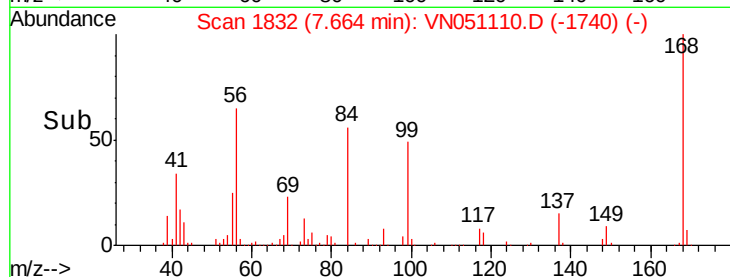
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 45.93 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051110.D

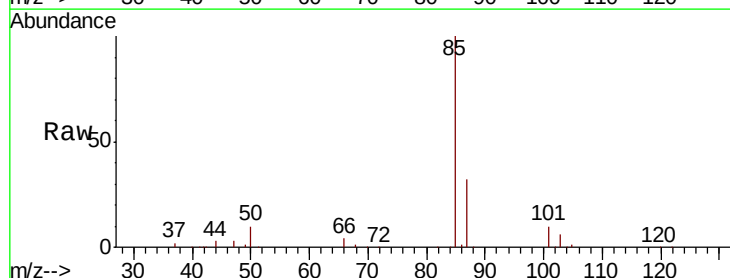
Acq: 11 Sep 2018 7:56

Tgt Ion: 85 Resp: 312200

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

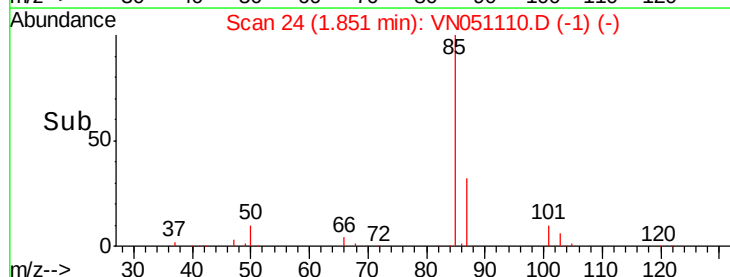
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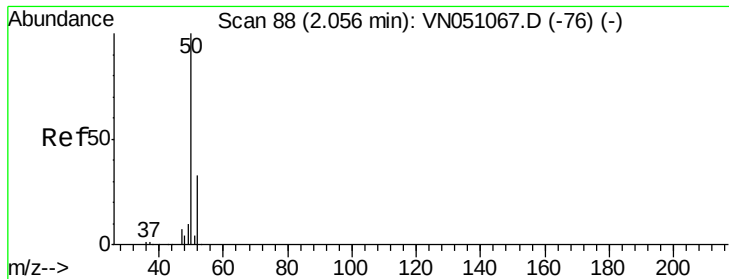
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.13 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 414006

Ion Ratio Lower Upper

50 100

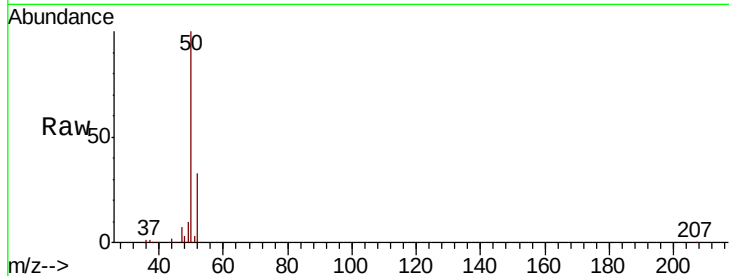
52 32.8 26.0 39.0

Manual Integrations

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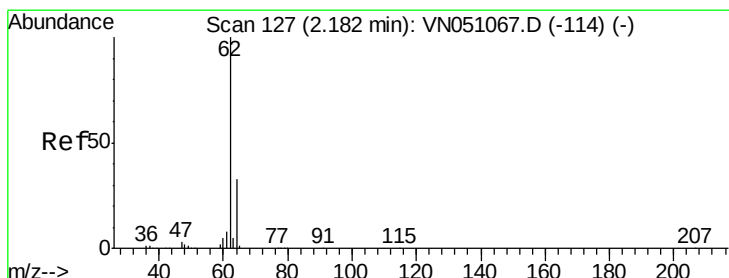
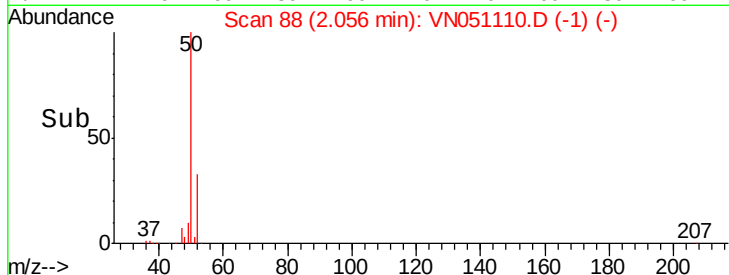
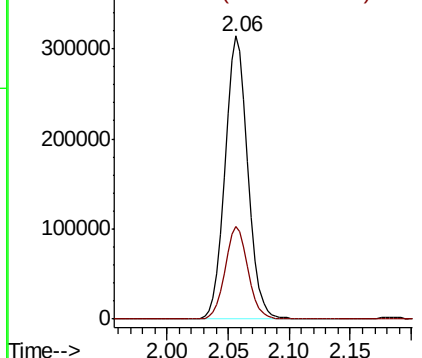
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 45.71 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051110.D

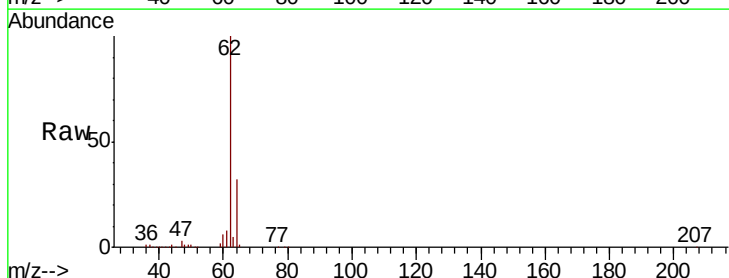
Acq: 11 Sep 2018 7:56

Tgt Ion: 62 Resp: 426490

Ion Ratio Lower Upper

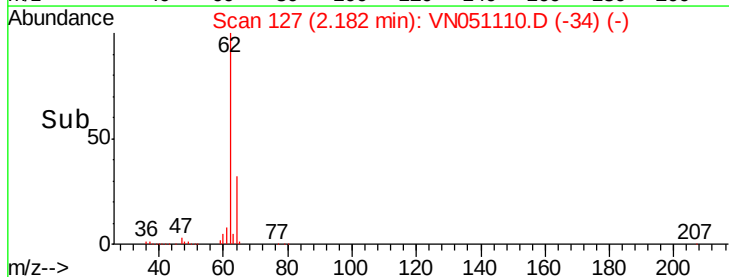
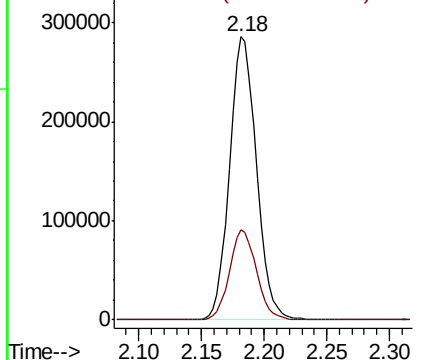
62 100

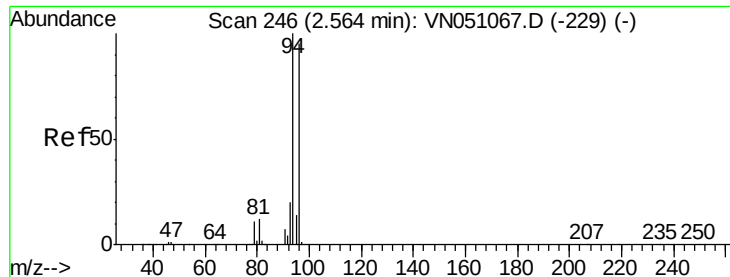
64 31.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 49.06 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 258417

Ion Ratio Lower Upper

94 100

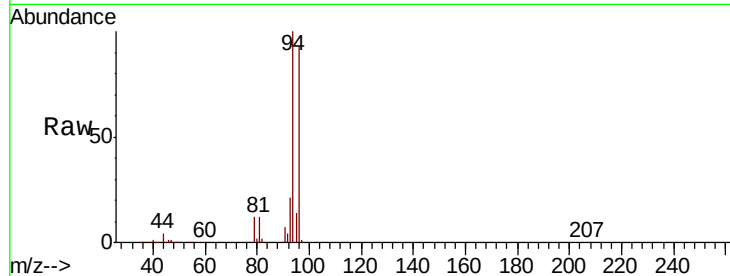
96 92.8 75.9 113.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN051110.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051110.D (-153) (-)

2.56

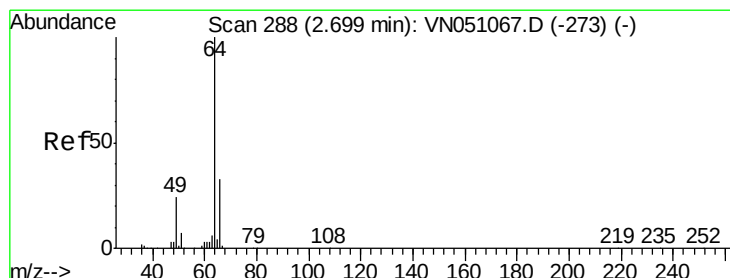
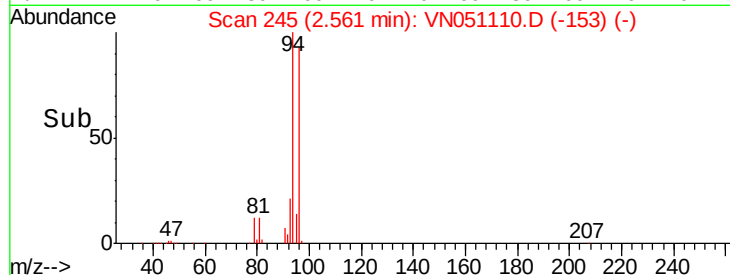
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100000

50000

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Time-->



#6

Chloroethane

Concen: 45.56 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051110.D

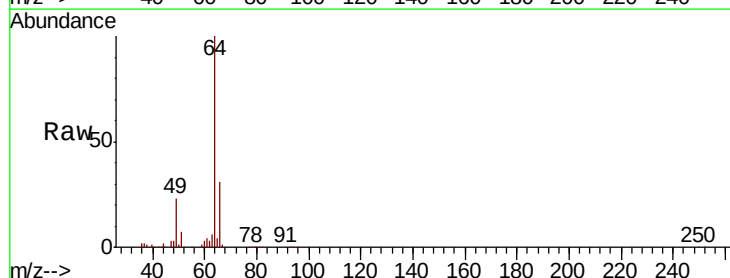
Acq: 11 Sep 2018 7:56

Tgt Ion: 64 Resp: 262353

Ion Ratio Lower Upper

64 100

66 31.5 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN051110.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN051110.D (-195) (-)

2.70

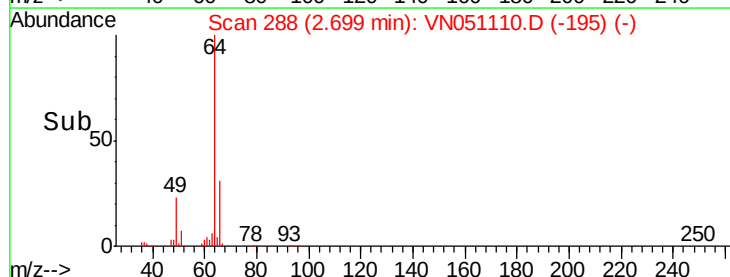
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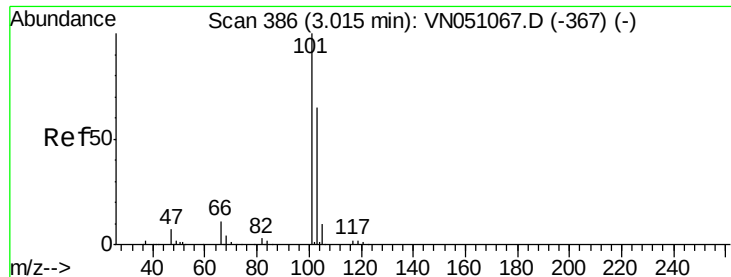
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50000

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Time-->





#7

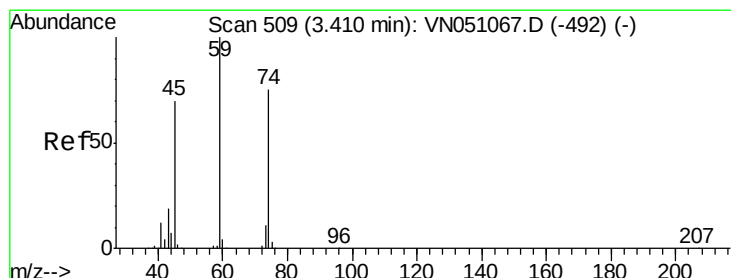
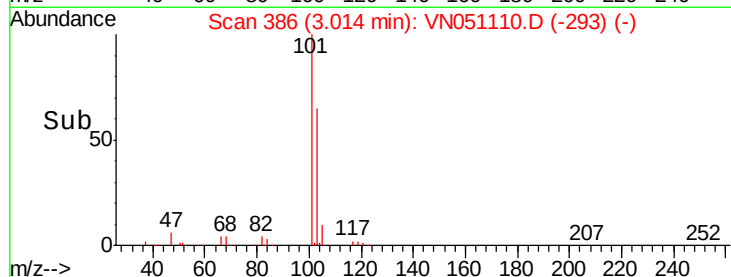
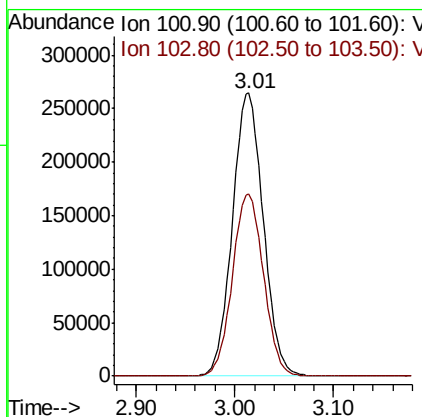
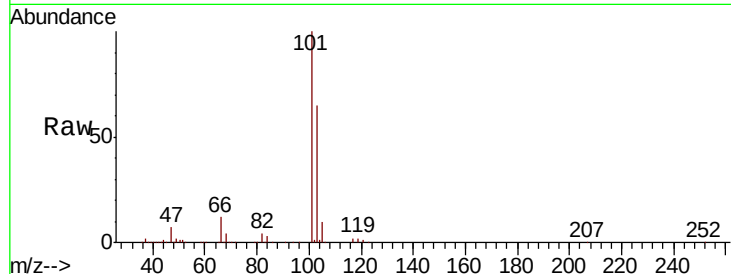
Trichlorofluoromethane
 Concen: 46.67 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.4	78.6

Manual Integrations
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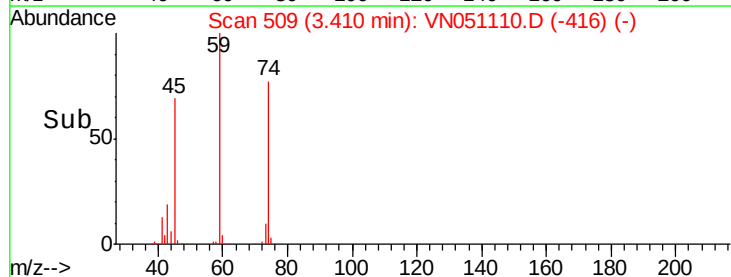
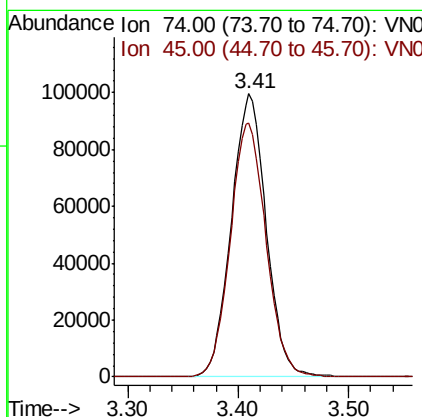
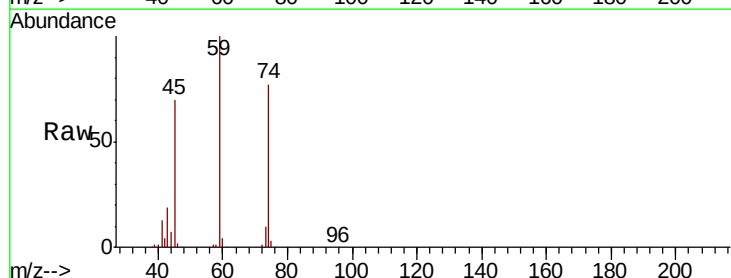
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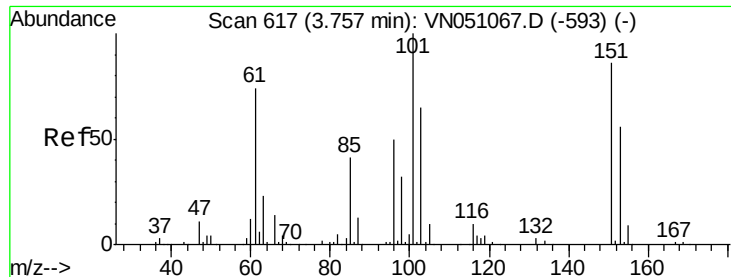


#8

Diethyl Ether
 Concen: 47.99 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	46.7	140.0





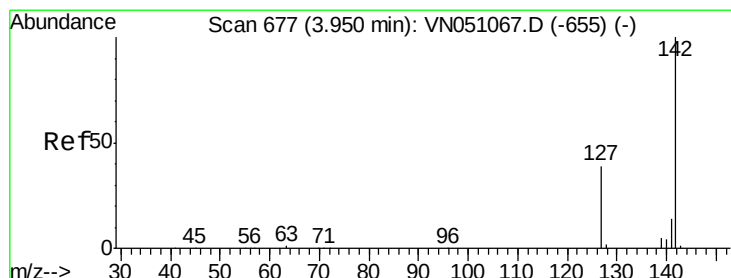
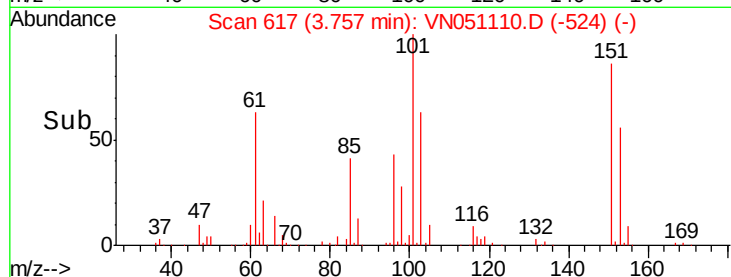
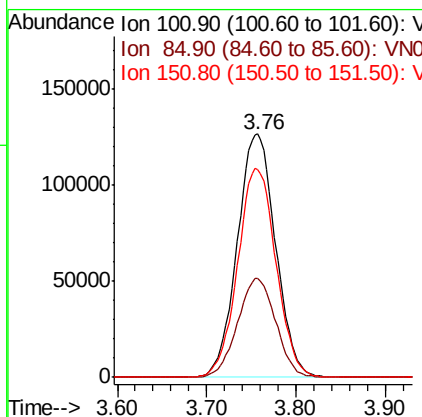
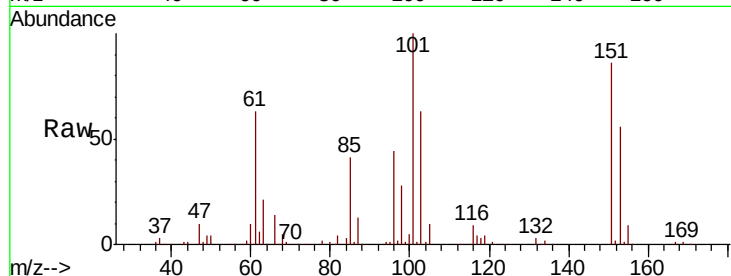
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.38 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	377625		
85	40.3	33.3	49.9	
151	86.0	68.2	102.2	

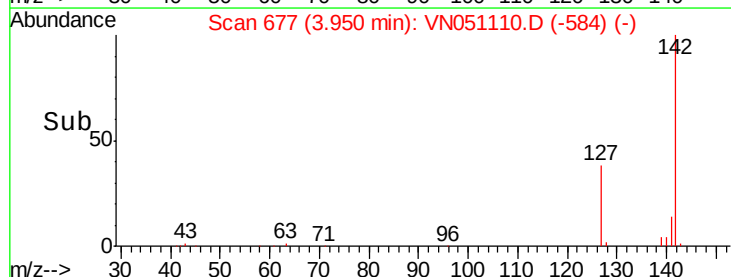
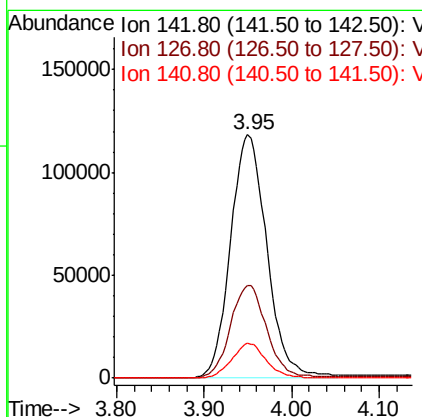
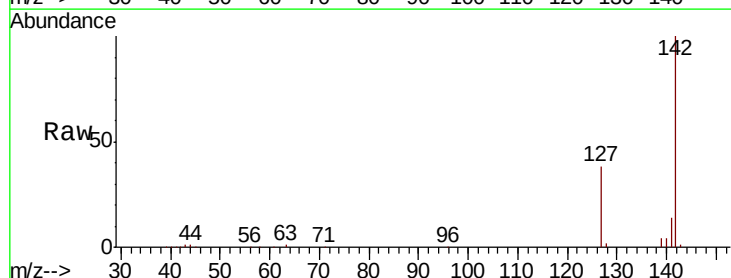
Manual Integrations
 APPROVED

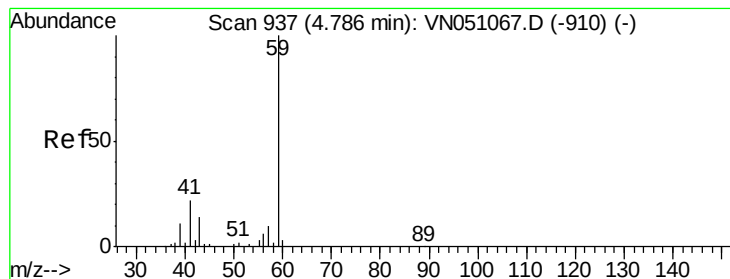
MMDadoda
 9/12/2018 10:06:37 AM



#10
 Methyl Iodide
 Concen: 46.37 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	342143		
127	38.1	31.0	46.4	
141	13.7	11.3	16.9	





#11

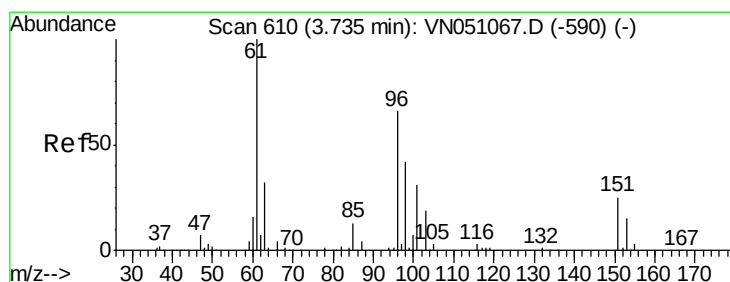
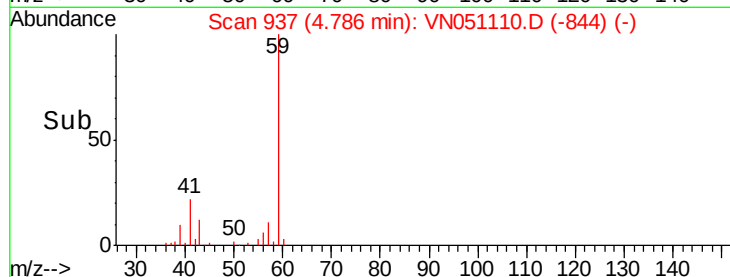
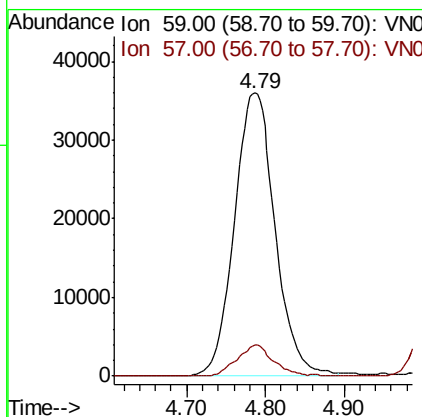
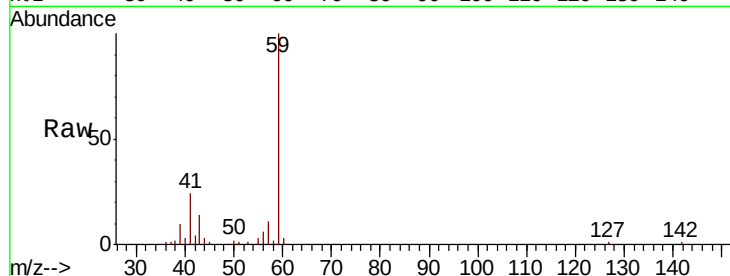
Tert butyl alcohol
 Concen: 217.86 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.1	12.1

Manual Integrations
 APPROVED

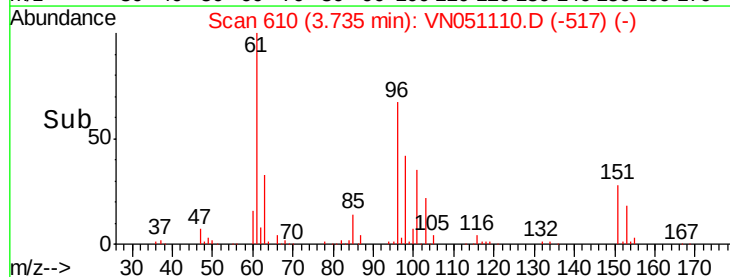
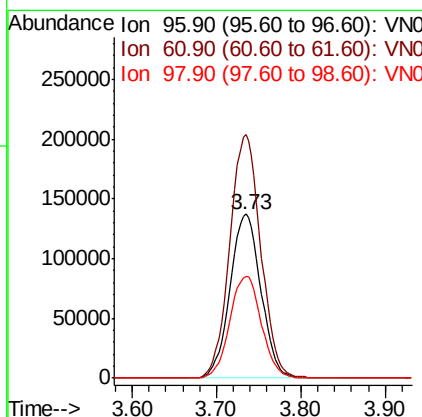
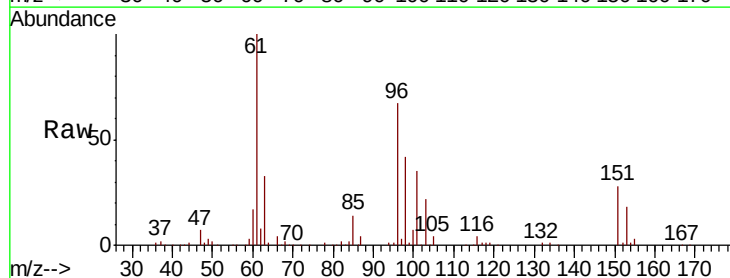
MMDadoda
 9/12/2018 10:06:37 AM

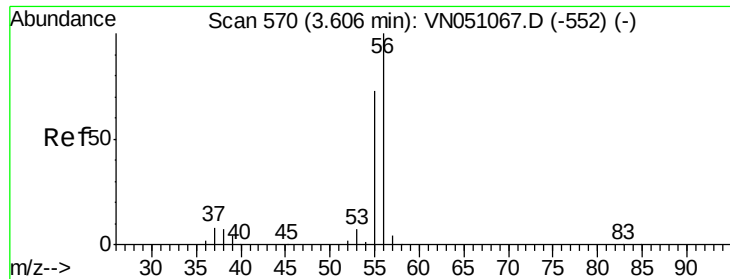


#12

1,1-Dichloroethene
 Concen: 46.53 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.4	120.3	180.5
98	62.1	50.8	76.2





#13

Acrolein

Concen: 238.42 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 173441

Ion Ratio Lower Upper

56 100

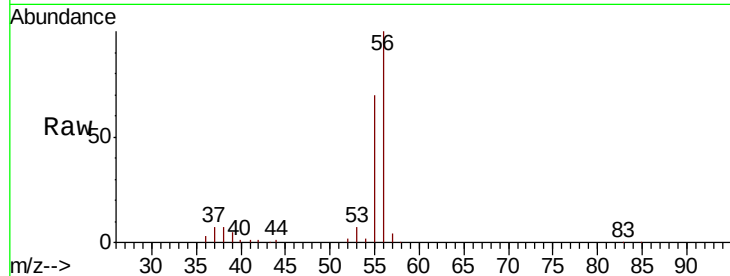
55 70.0 58.0 87.0

Manual Integrations

APPROVED

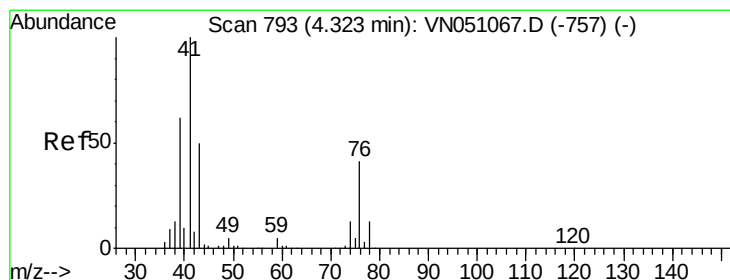
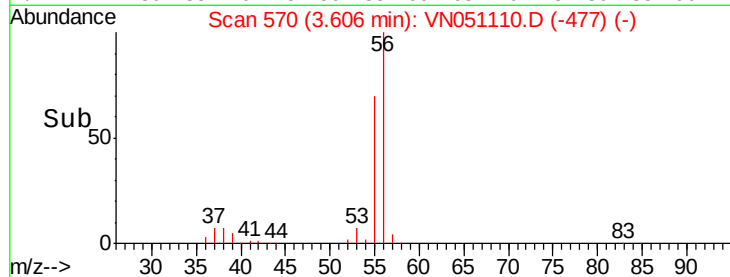
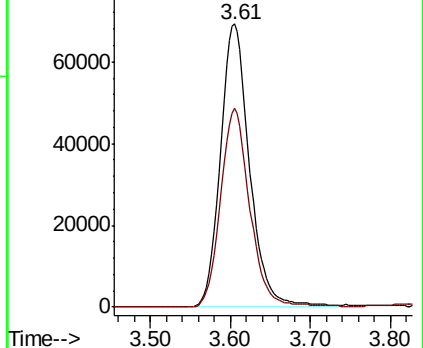
MMDadoda

9/12/2018 10:06:37 AM



Abundance Ion 56.00 (55.70 to 56.70): VN051110.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN051110.D (-477) (-)



#14

Allyl chloride

Concen: 47.70 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

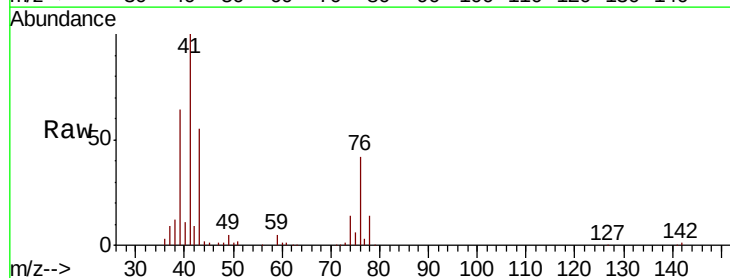
Tgt Ion: 41 Resp: 546375

Ion Ratio Lower Upper

41 100

39 60.4 48.8 73.2

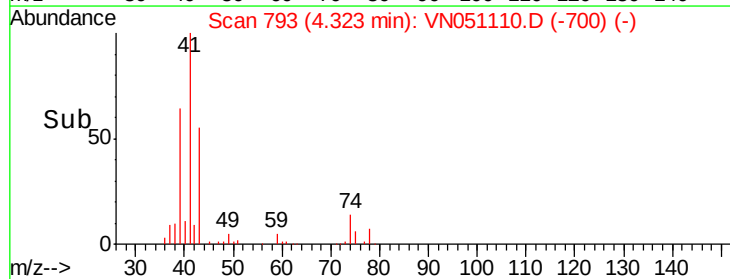
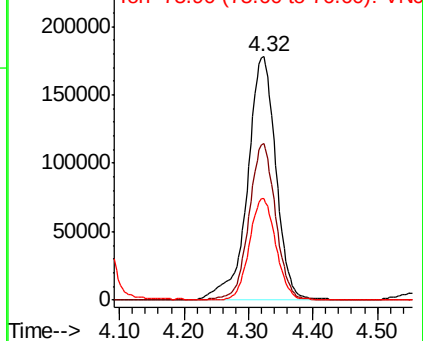
76 38.3 30.6 45.8

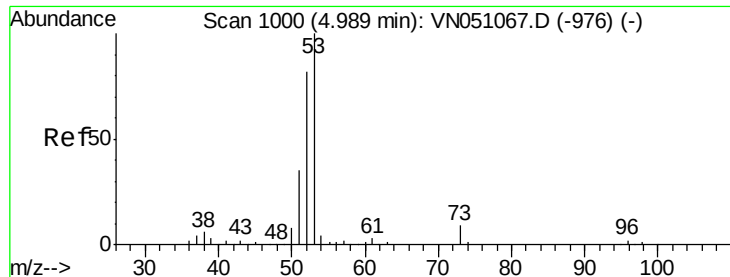


Abundance Ion 41.00 (40.70 to 41.70): VN051110.D (-700) (-)

Ion 39.00 (38.70 to 39.70): VN051110.D (-700) (-)

Ion 75.90 (75.60 to 76.60): VN051110.D (-700) (-)





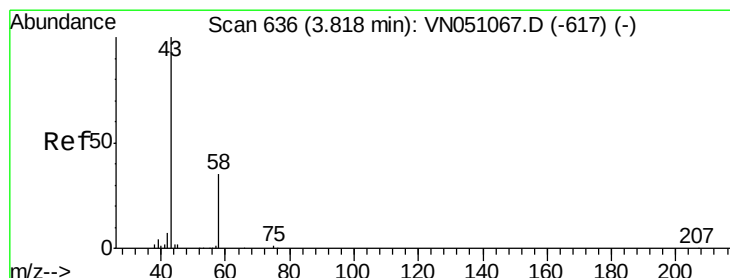
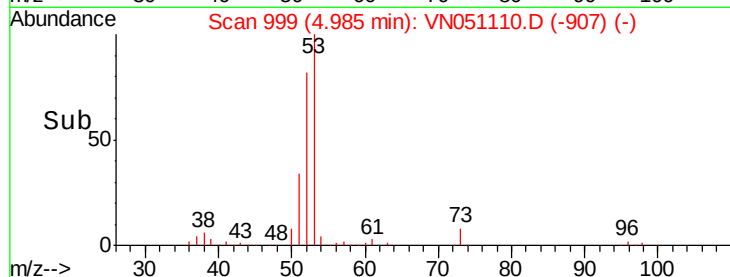
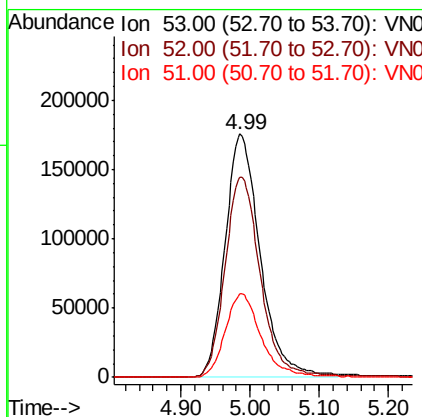
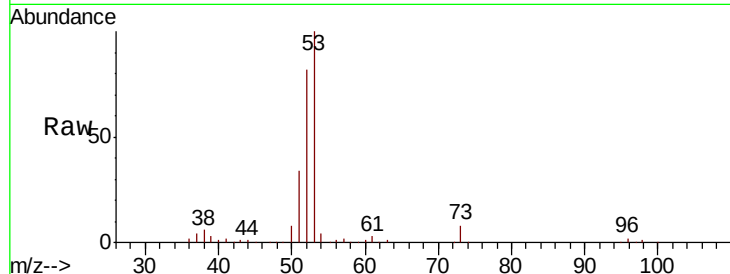
#15
 Acrylonitrile
 Concen: 234.21 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	621762
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.3	97.9
51	35.2	28.2	42.2

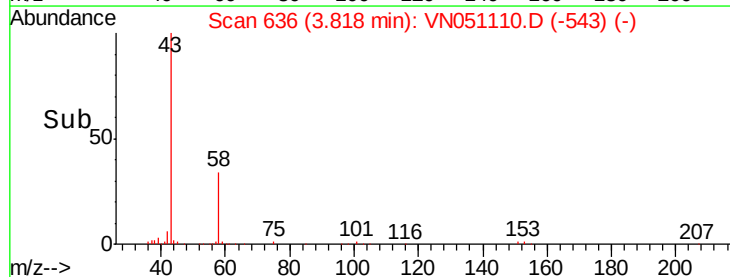
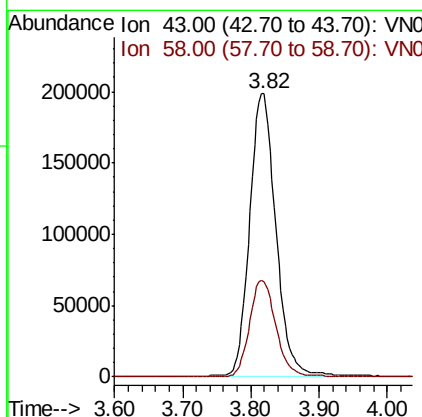
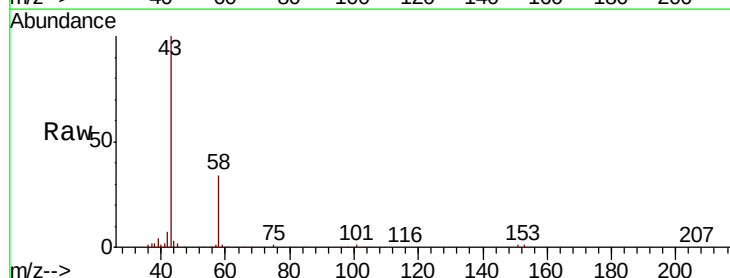
Manual Integrations
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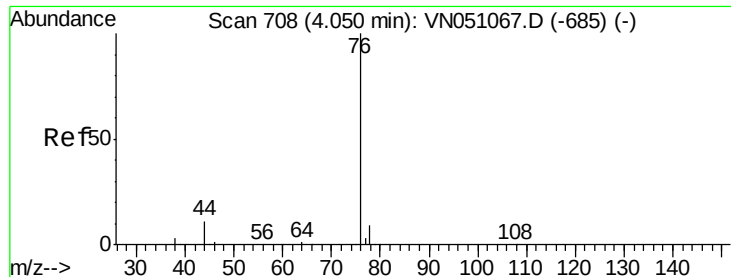
MMDadoda
 9/12/2018 10:06:37 AM



#16
 Acetone
 Concen: 275.42 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Tgt Ion:	43	Resp:	533014
Ion Ratio	Lower	Upper	
43	100		
58	33.8	27.8	41.6





#17

Carbon Disulfide

Concen: 46.34 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1026576

Ion Ratio Lower Upper

76 100

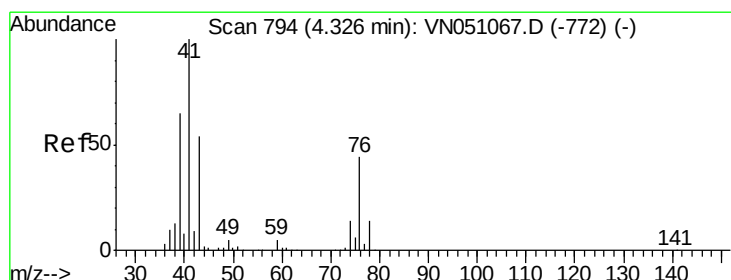
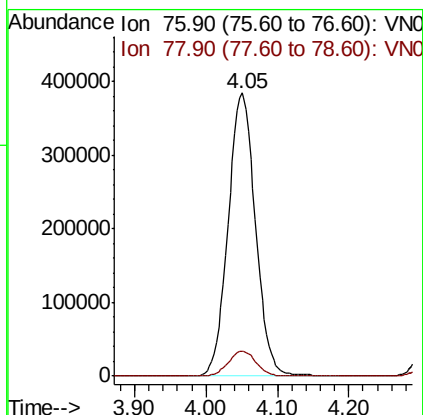
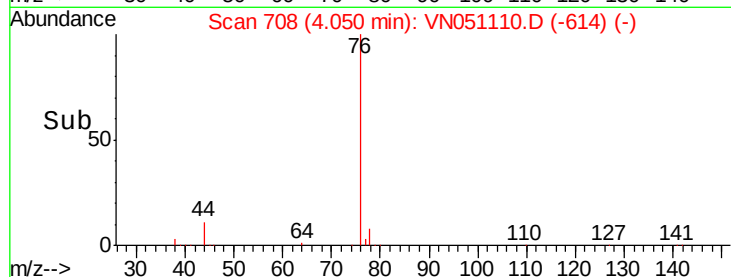
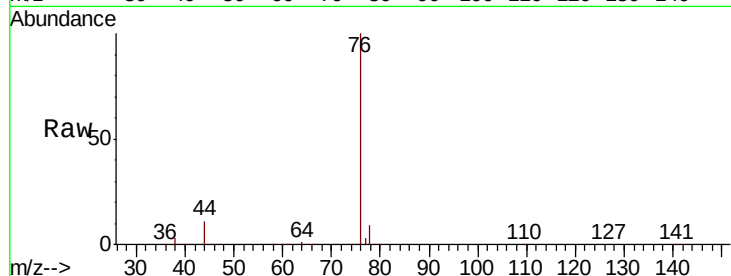
78 8.9 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

9/12/2018 10:06:37 AM



#18

Methyl Acetate

Concen: 45.22 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051110.D

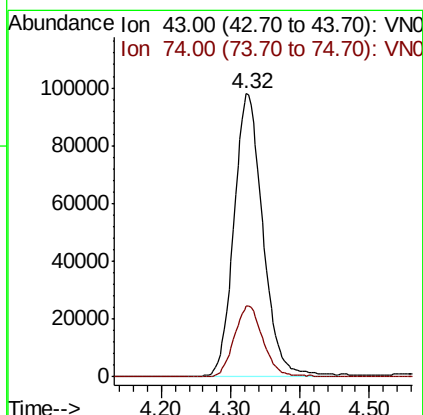
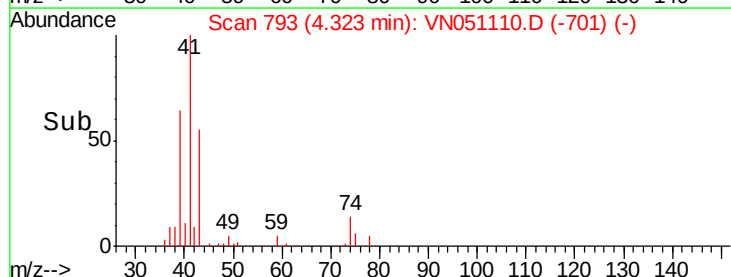
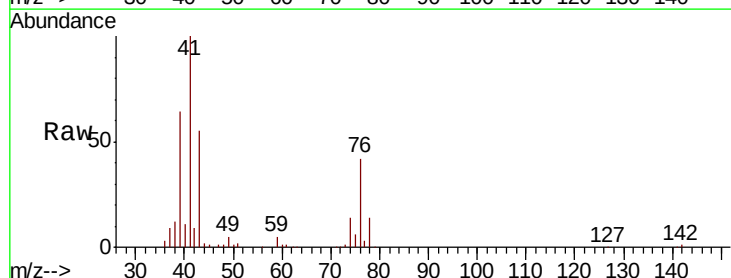
Acq: 11 Sep 2018 7:56

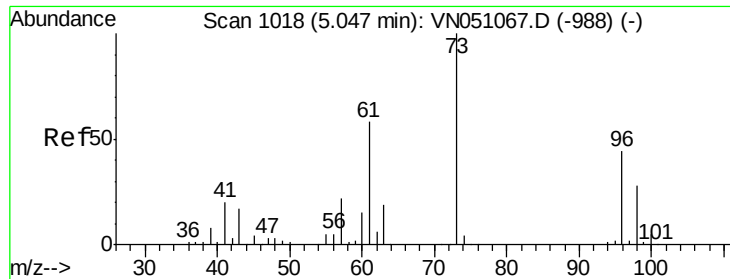
Tgt Ion: 43 Resp: 284034

Ion Ratio Lower Upper

43 100

74 24.9 20.7 31.1





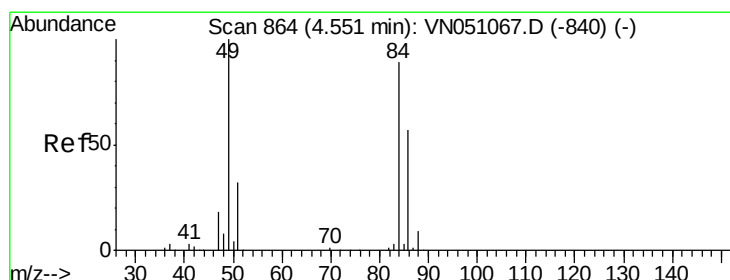
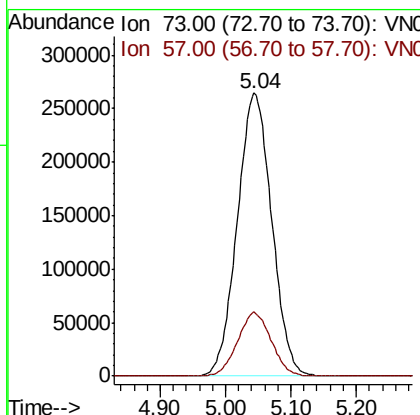
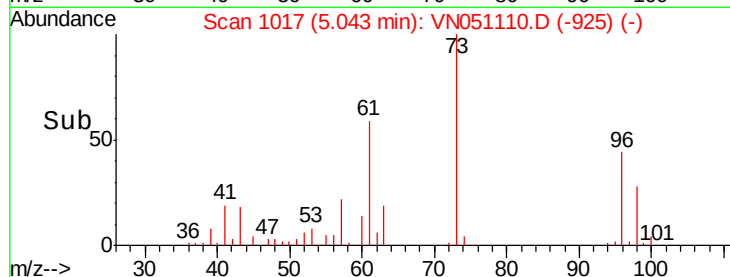
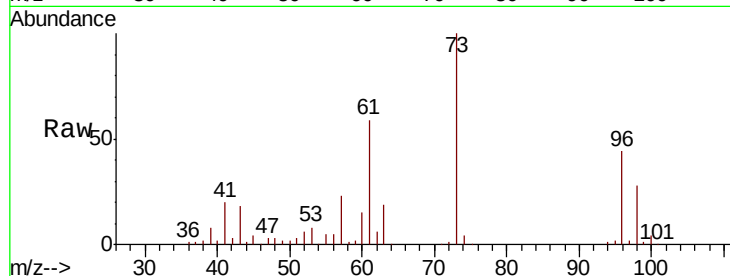
#19
Methvl tert-butvl Ether
Concen: 48.72 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.9	26.9

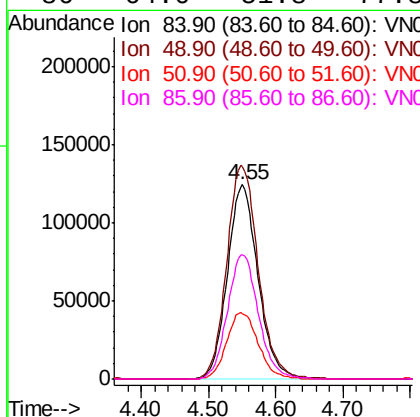
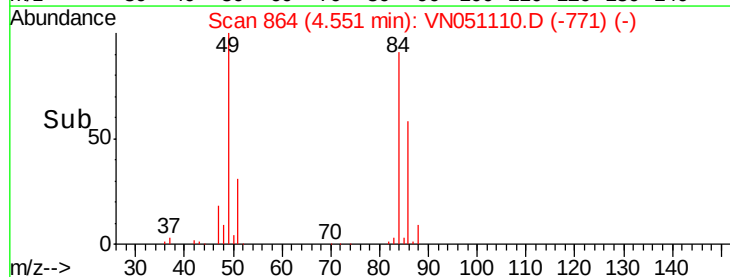
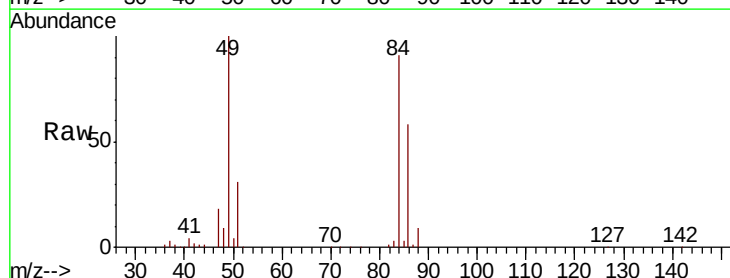
Manual Integrations
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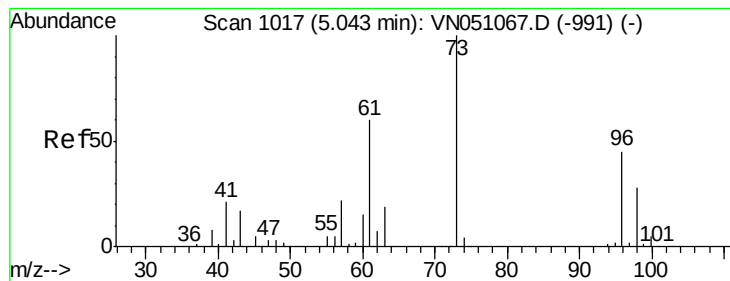
MMDadoda
9/12/2018 10:06:37 AM



#20
Methylene Chloride
Concen: 45.61 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.4	90.2	135.2
51	33.8	28.4	42.6
86	64.0	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 46.03 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 375407

Ion Ratio Lower Upper

96 100

61 133.3 106.5 159.7

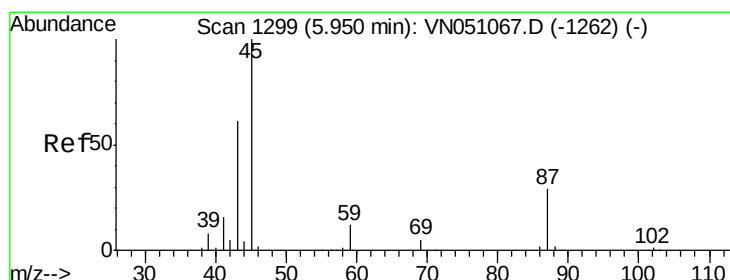
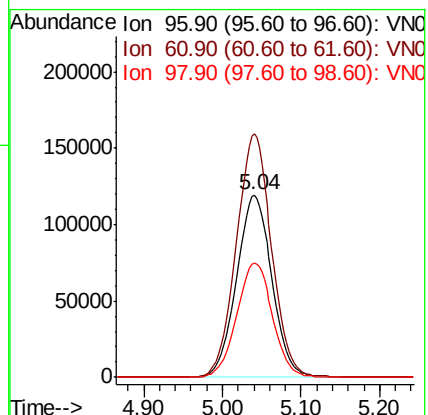
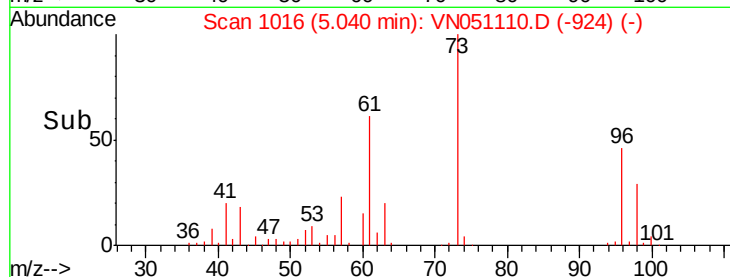
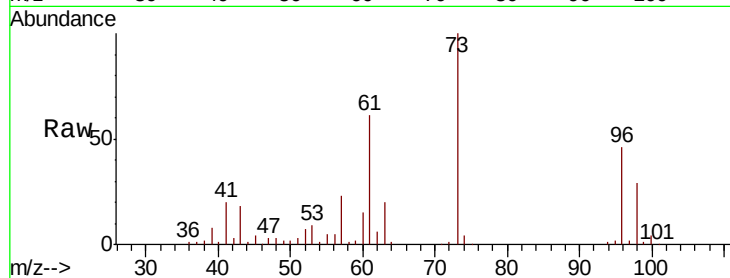
98 62.5 50.4 75.6

Manual Integrations

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MMDadoda

9/12/2018 10:06:37 AM



#22

Diisopropyl ether

Concen: 49.51 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Tgt Ion: 45 Resp: 1125721

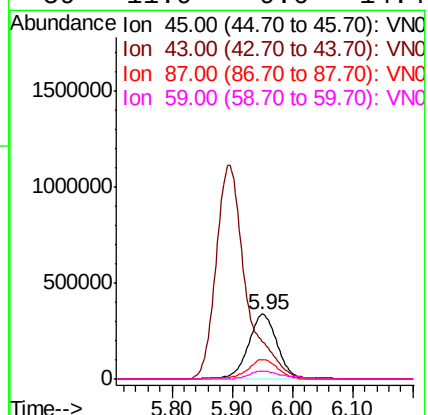
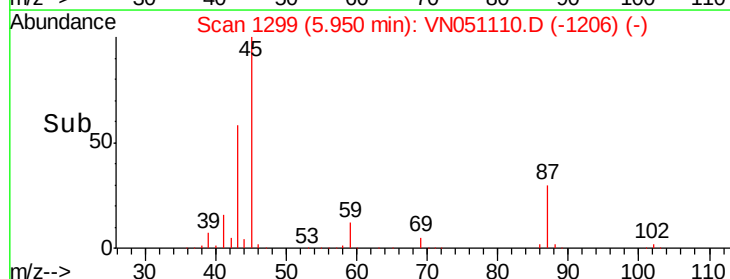
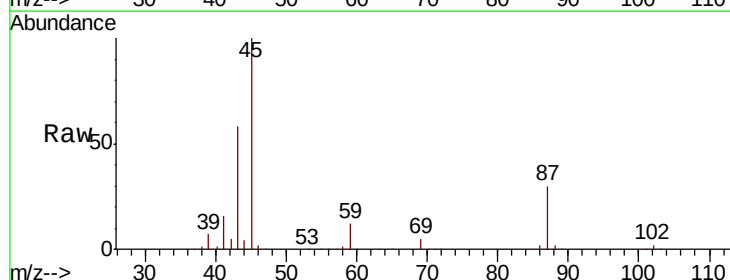
Ion Ratio Lower Upper

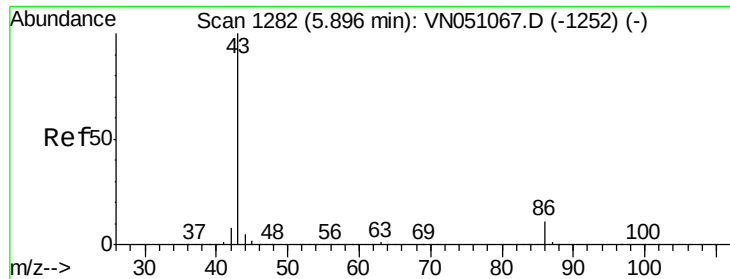
45 100

43 57.0 48.8 73.2

87 30.3 23.8 35.8

59 11.9 9.6 14.4





#23

Vinyl Acetate

Concen: 247.63 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3810362

Ion Ratio Lower Upper

43 100

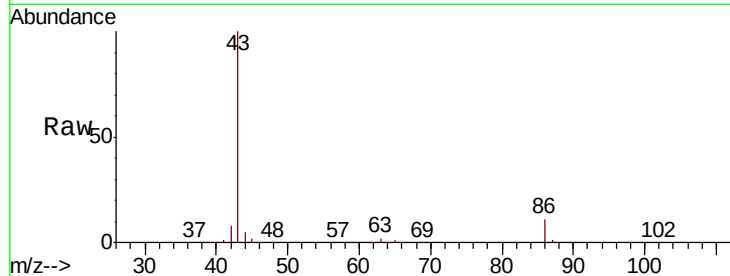
86 11.4 9.2 13.8

Manual Integrations

APPROVED

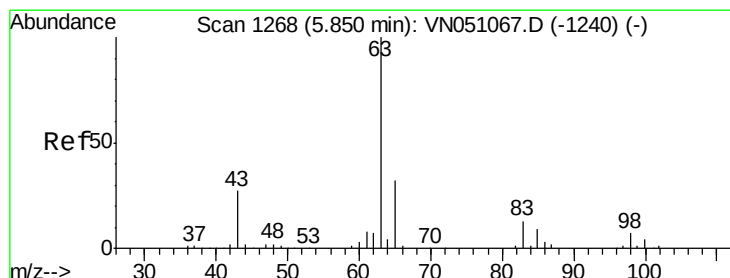
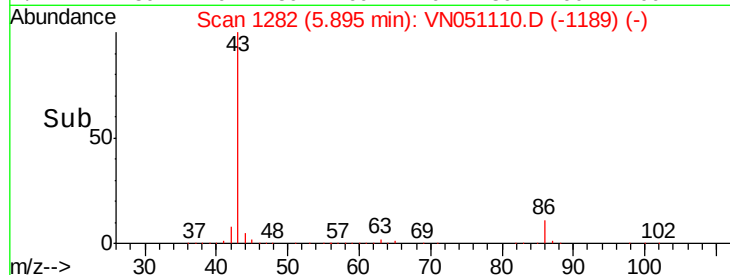
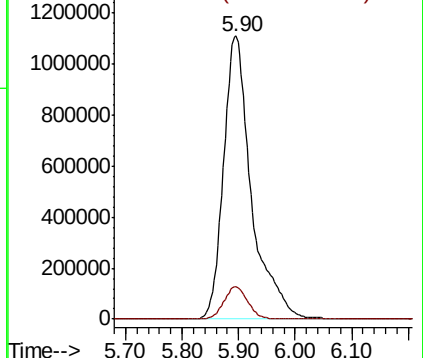
MMDadoda

9/12/2018 10:06:37 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.04 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

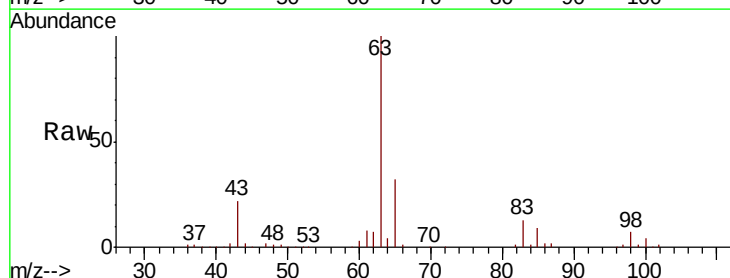
Tgt Ion: 63 Resp: 678656

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

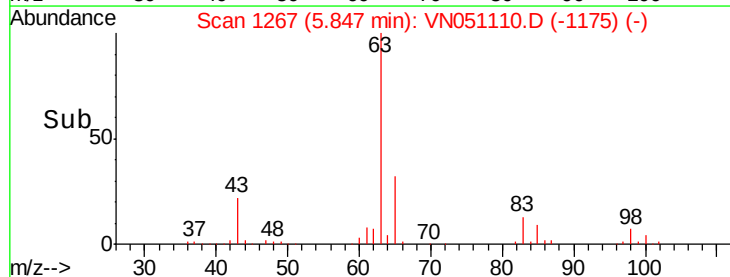
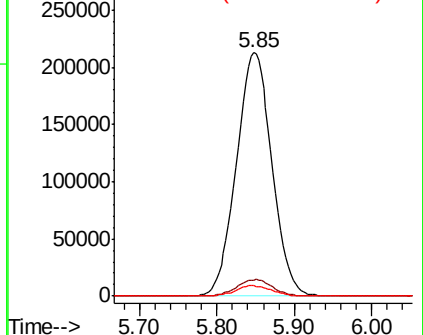
100 4.1 2.1 6.3

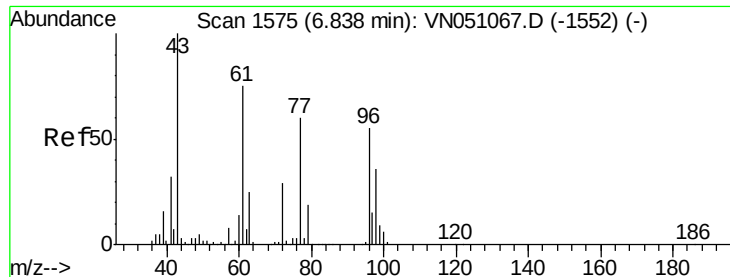


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





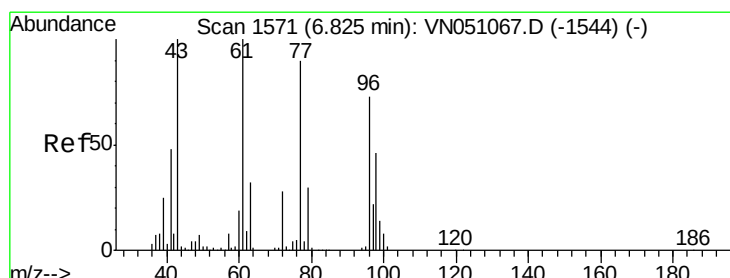
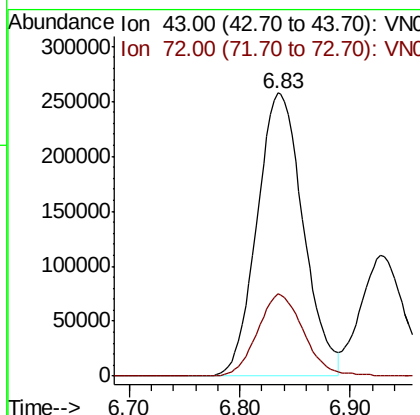
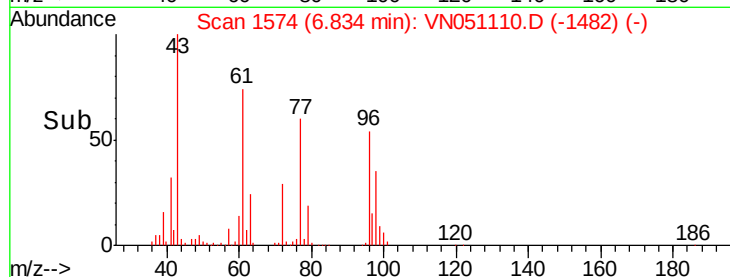
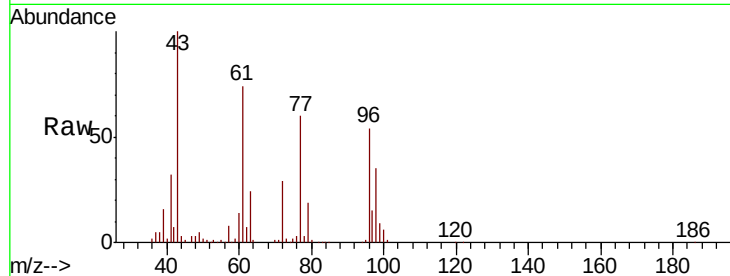
#25
2-Butanone
Concen: 241.83 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 745776
Ion Ratio Lower Upper
43 100
72 29.0 23.0 34.6

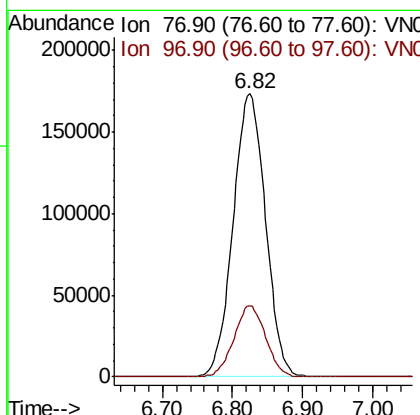
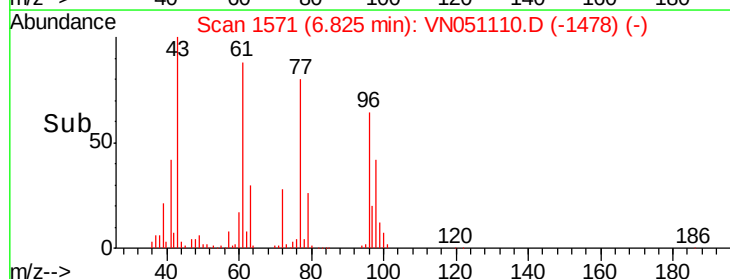
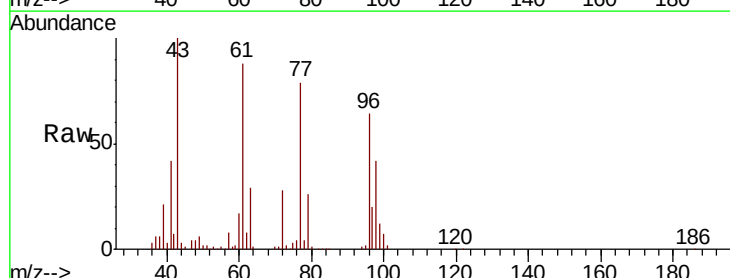
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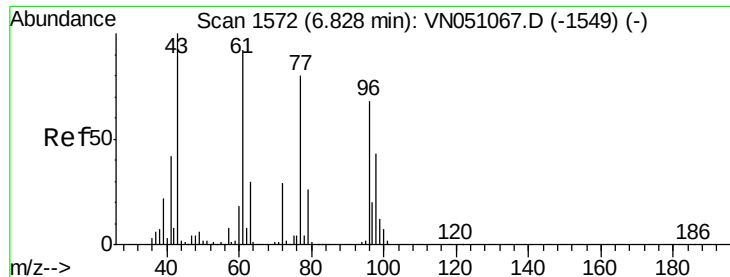
MMDadoda
9/12/2018 10:06:37 AM



#26
2,2-Dichloropropane
Concen: 47.10 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion: 77 Resp: 556095
Ion Ratio Lower Upper
77 100
97 24.7 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 46.90 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

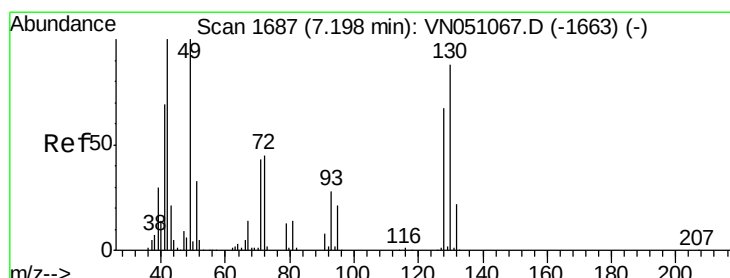
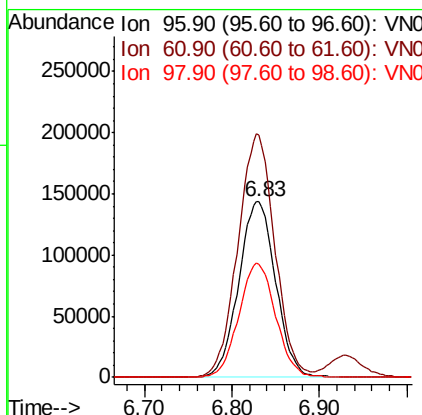
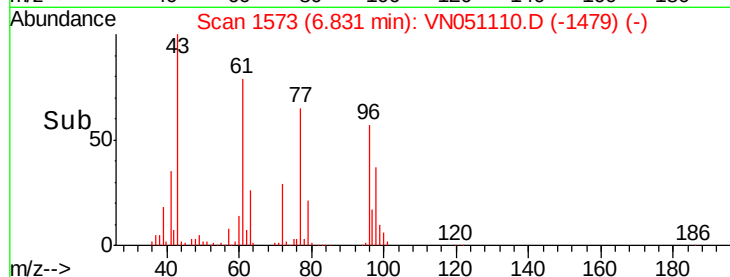
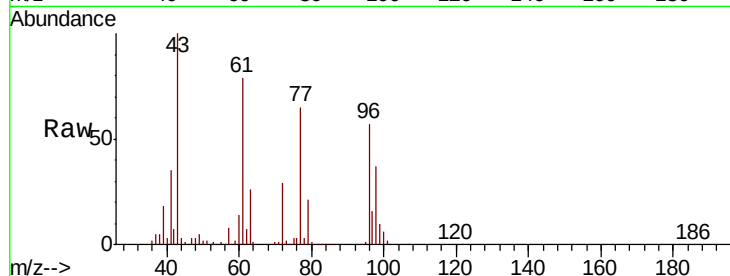
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	419598
Ion	Ratio	Lower	Upper
96	100		
61	138.5	0.0	278.2
98	65.1	0.0	129.4

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MMDadoda
9/12/2018 10:06:37 AM



#28

Bromochloromethane

Concen: 47.33 ug/l

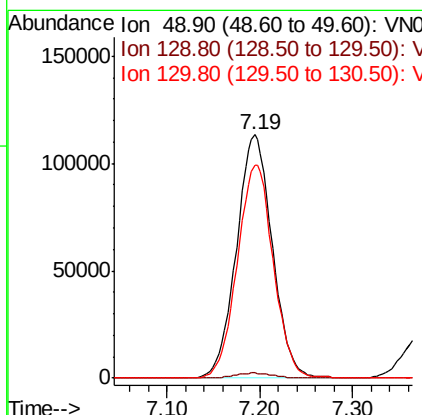
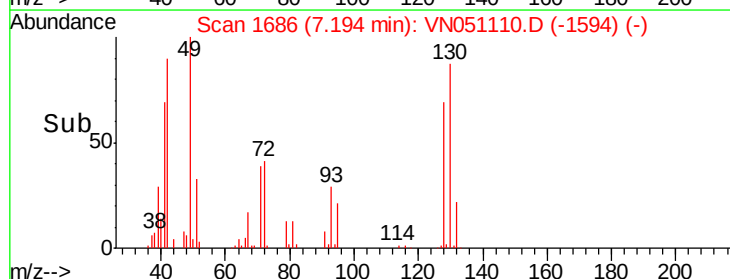
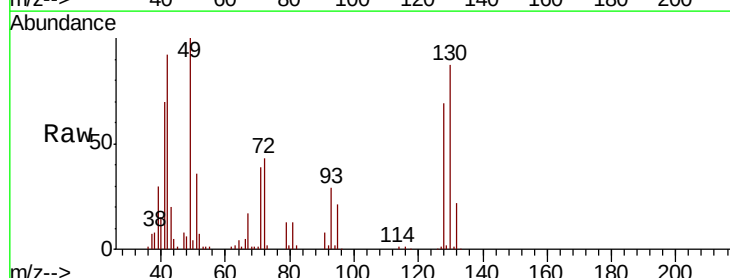
RT: 7.19 min Scan# 1686

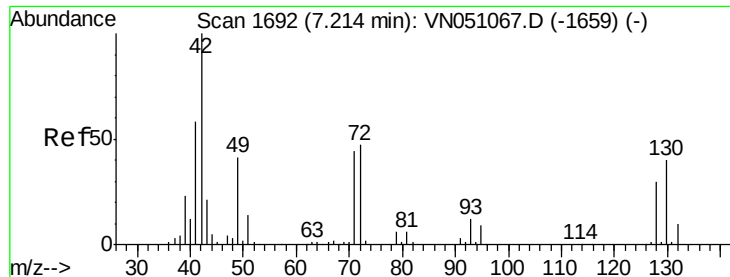
Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Tgt Ion:	49	Resp:	303886
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	88.0	70.7	106.1





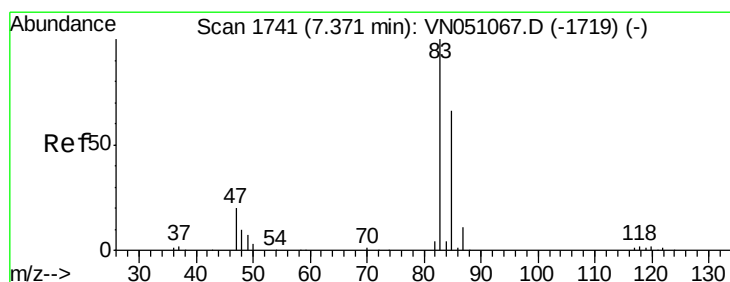
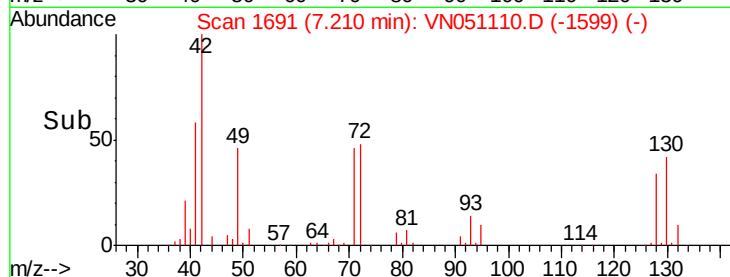
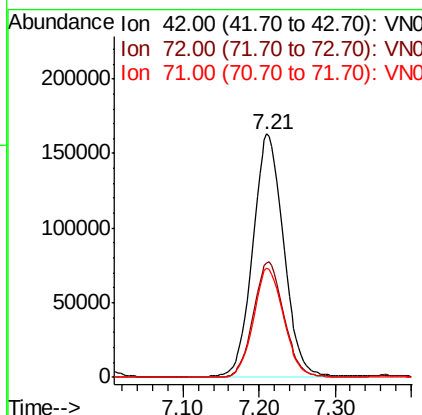
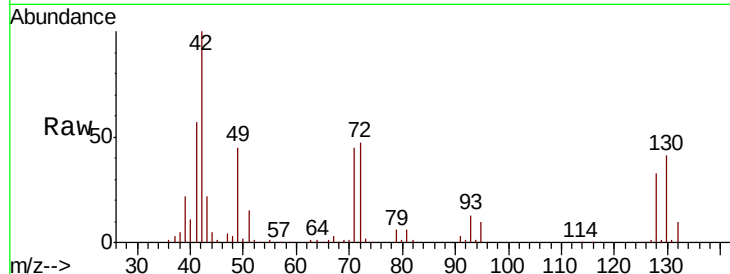
#29
Tetrahydrofuran
Concen: 238.35 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.0
71	43.8	34.7	52.1

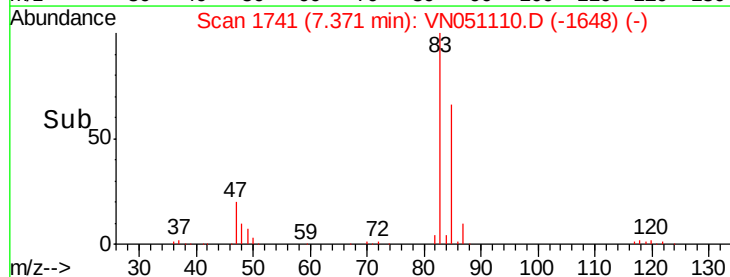
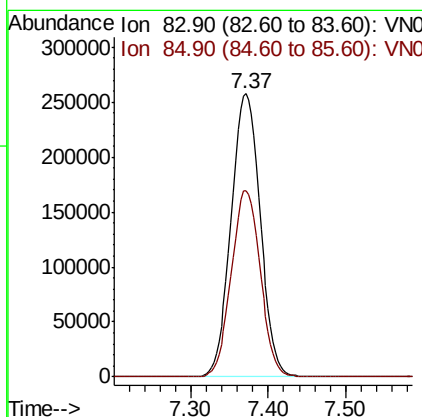
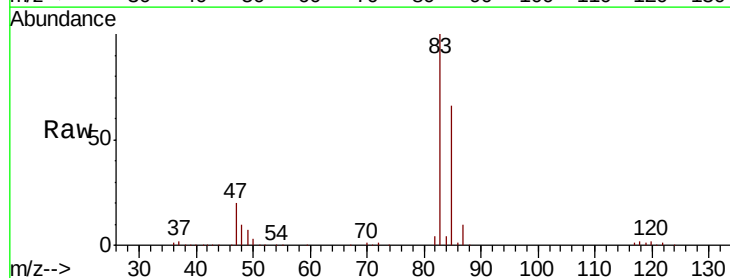
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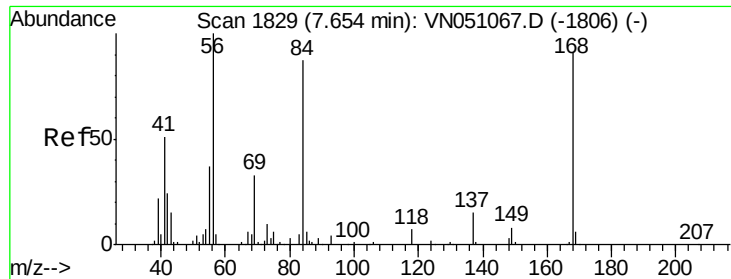
MMDadoda
9/12/2018 10:06:37 AM



#30
Chloroform
Concen: 46.95 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.6	79.0





#31

Cyclohexane

Concen: 48.54 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

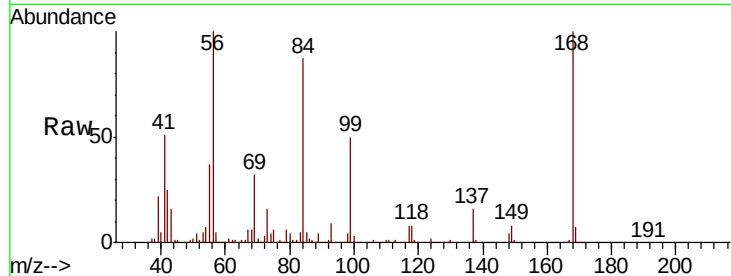
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	624456
Ion Ratio	Lower	Upper	
56	100		
69	32.1	26.3	39.5
84	86.2	69.4	104.0

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MMDadoda
9/12/2018 10:06:37 AM

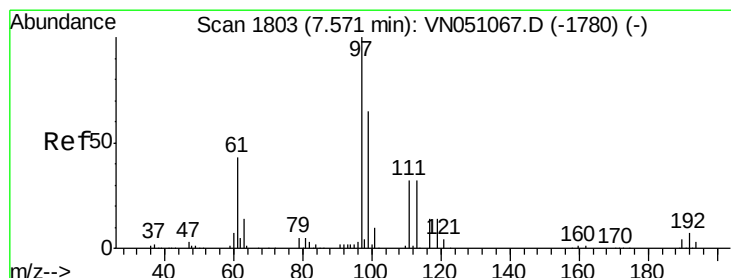
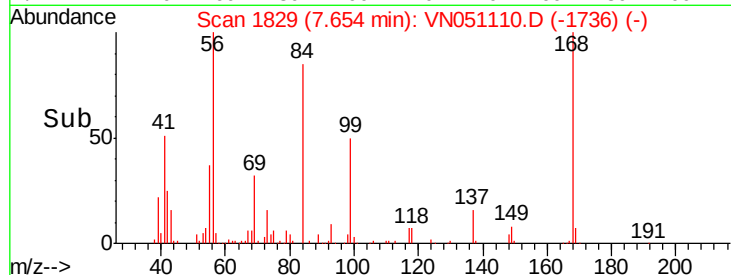
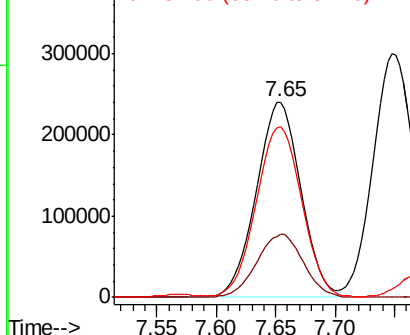


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 47.60 ug/l

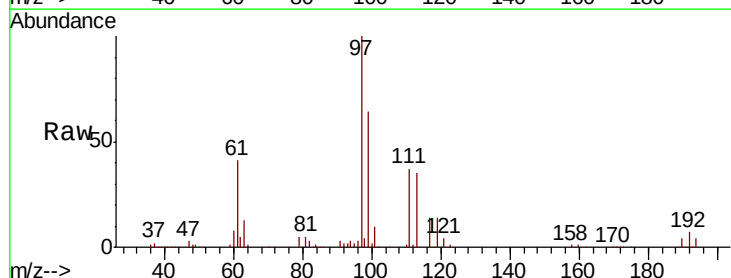
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Tgt Ion:	97	Resp:	582120
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.6	77.4
61	41.4	33.8	50.6

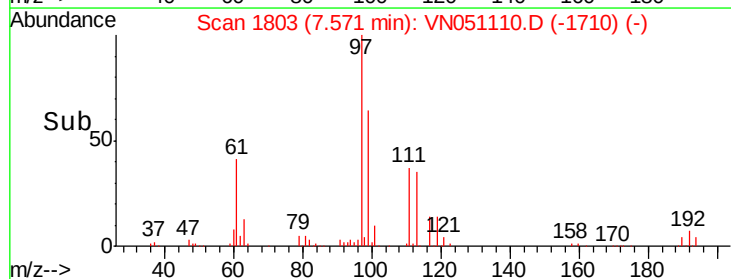
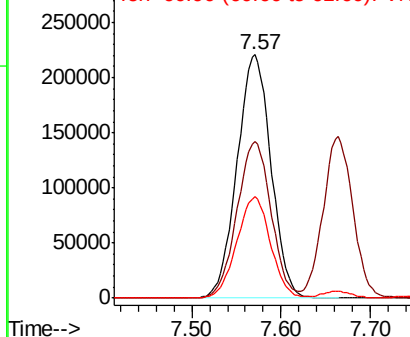


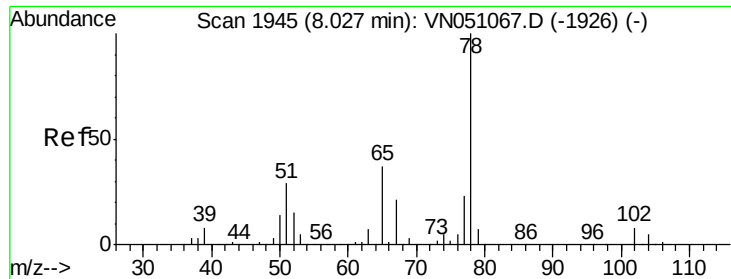
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





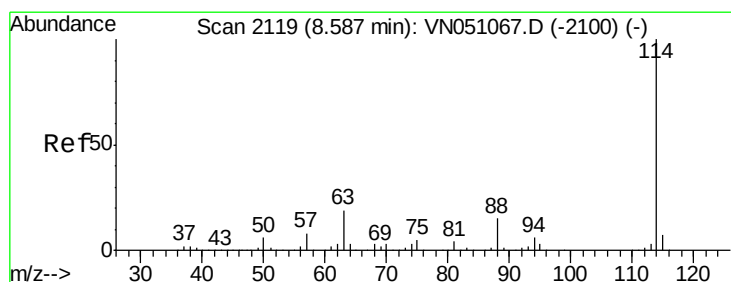
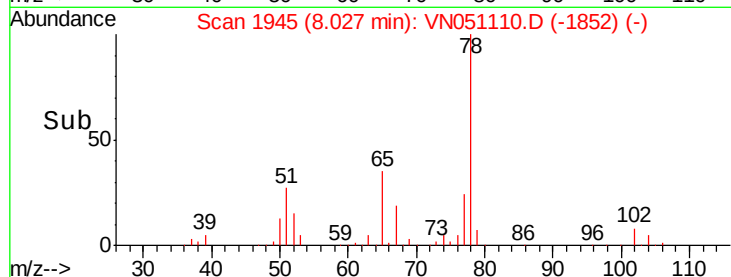
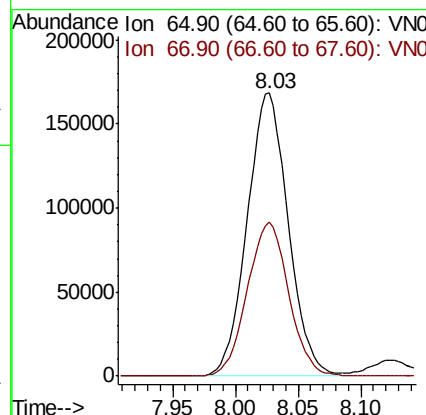
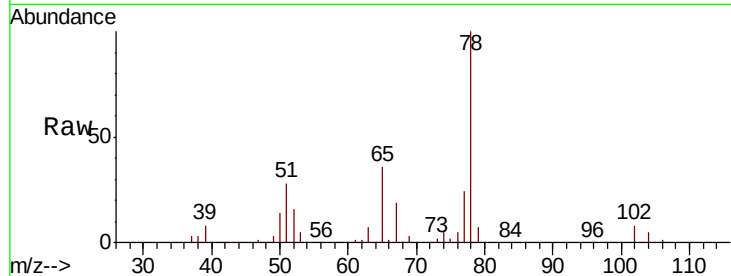
#33
 1,2-Dichloroethane-d4
 Concen: 48.90 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	383599		
67	54.8	0.0	112.0	

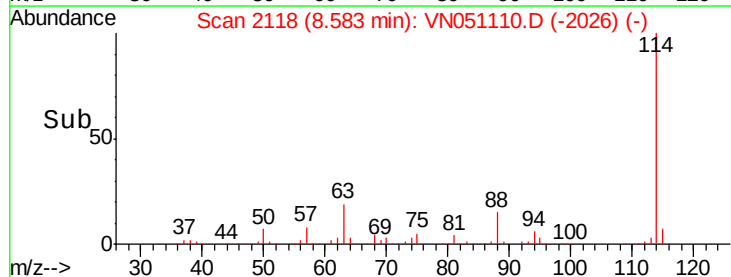
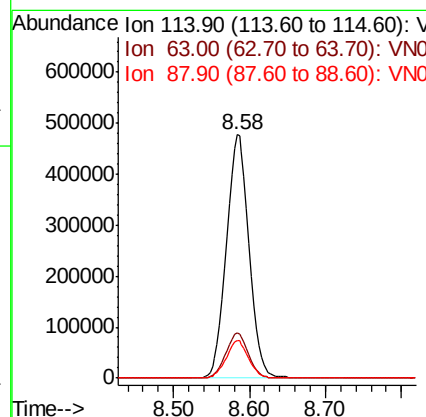
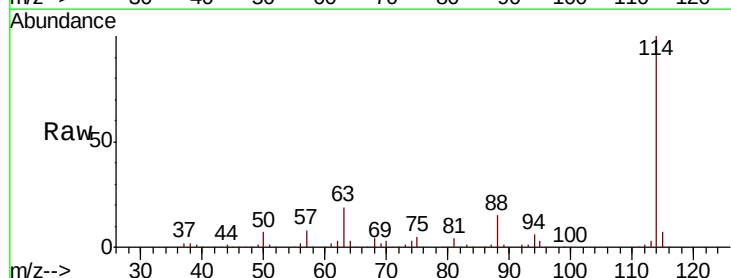
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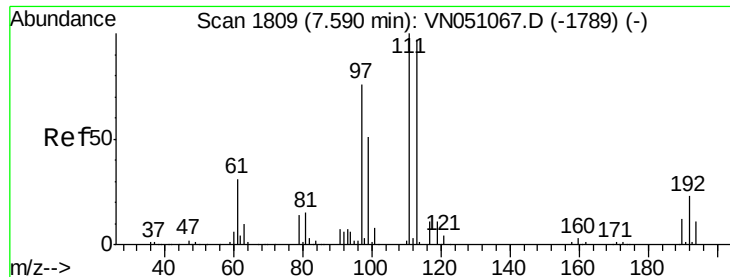
MMDadoda
 9/12/2018 10:06:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	990172		
63	18.7	0.0	37.8	
88	15.4	0.0	30.8	





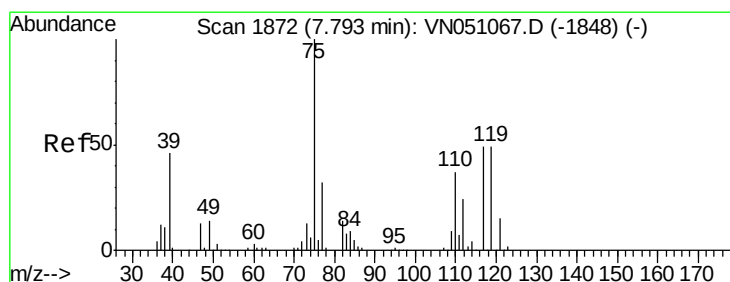
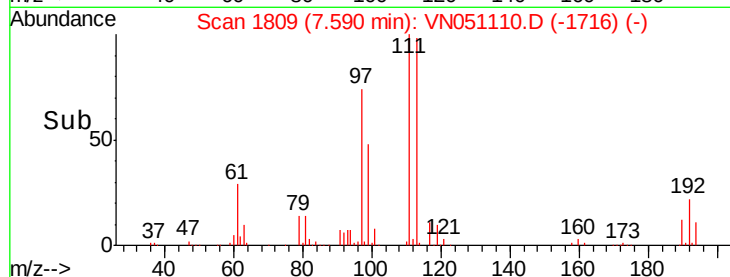
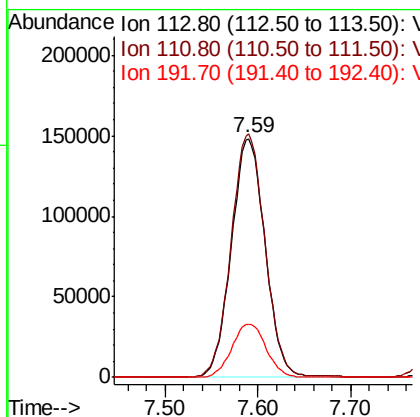
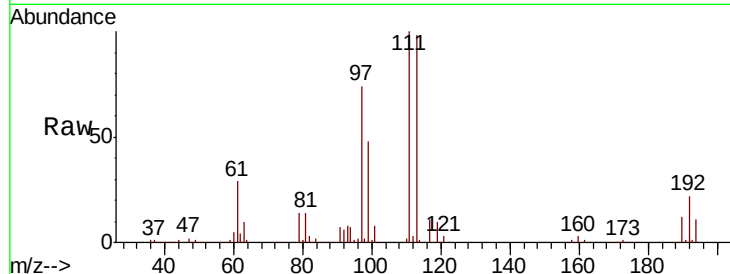
#35
 Dibromofluoromethane
 Concen: 50.35 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	83.0	124.6	
192	22.7	18.7	28.1	

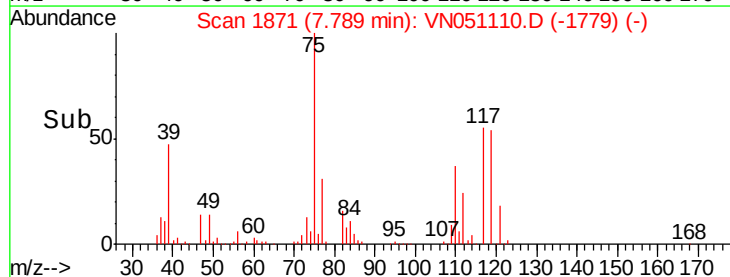
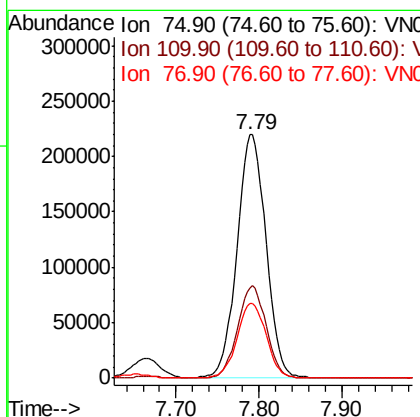
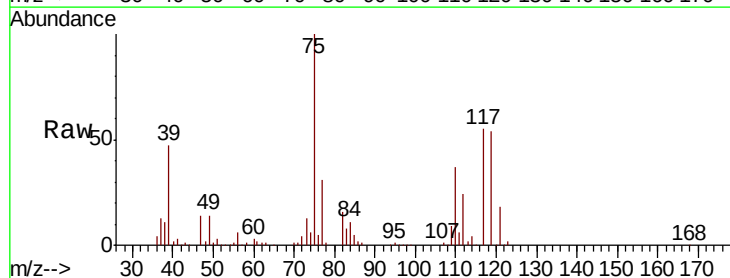
Manual Integrations
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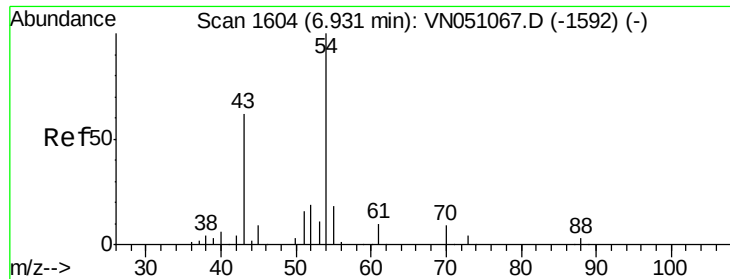
MMDadoda
 9/12/2018 10:06:37 AM



#36
 1,1-Dichloropropene
 Concen: 48.97 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.5	18.6	55.8	
77	31.3	25.2	37.8	





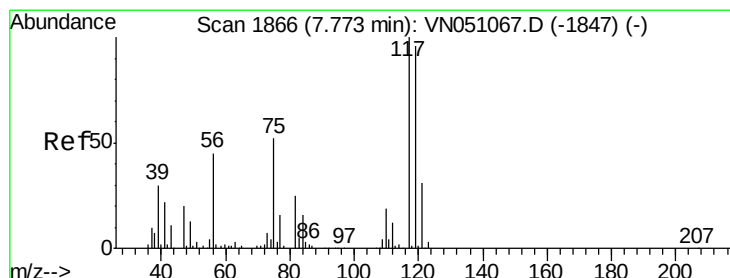
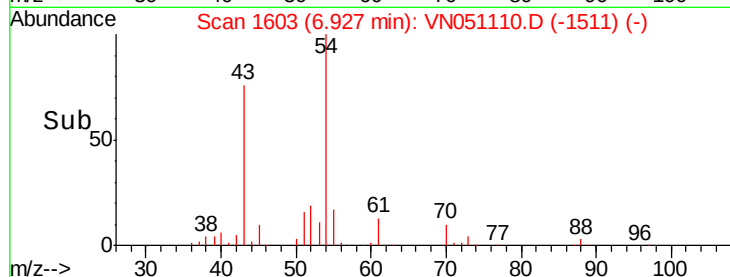
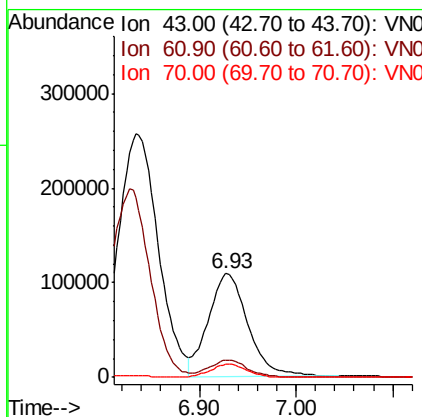
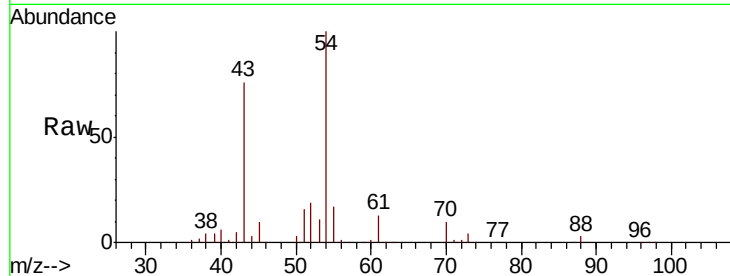
#37
Ethyl Acetate
Concen: 48.86 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	12.4	18.6
70	11.9	9.3	13.9

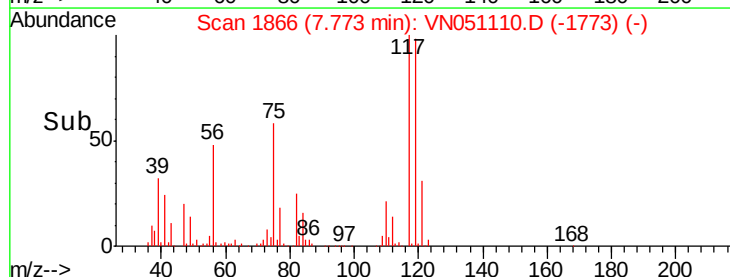
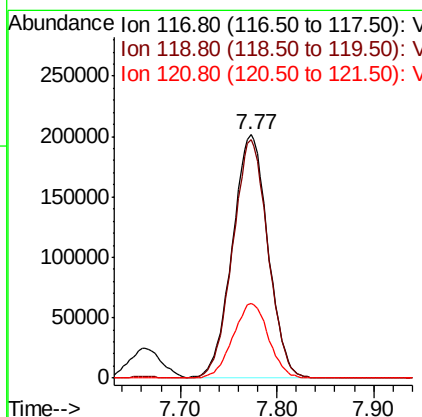
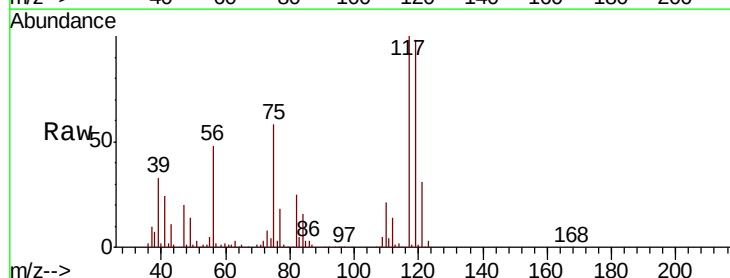
Manual Integrations
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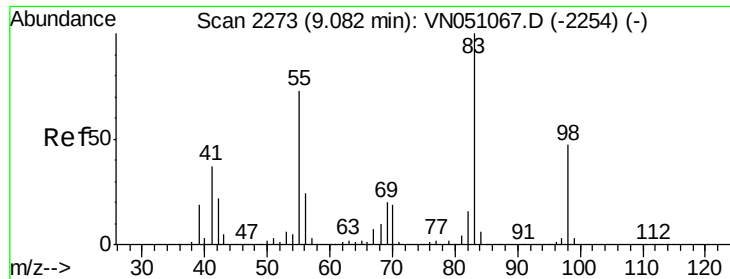
MMDadoda
9/12/2018 10:06:37 AM



#38
Carbon Tetrachloride
Concen: 48.05 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.8	115.2
121	30.7	24.6	36.8





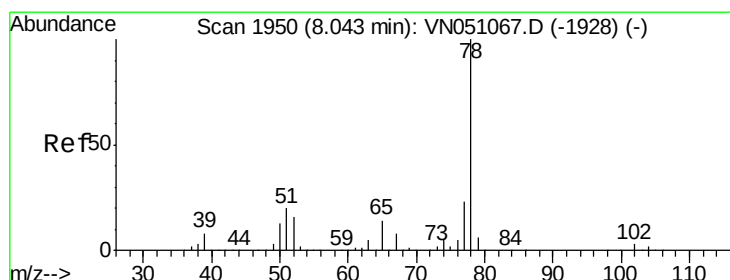
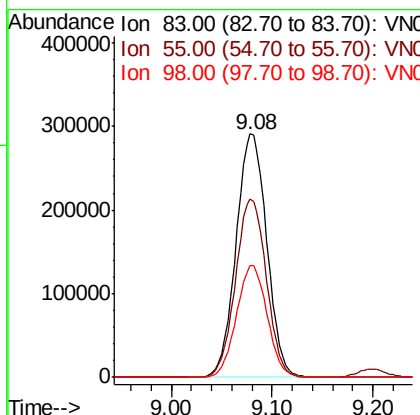
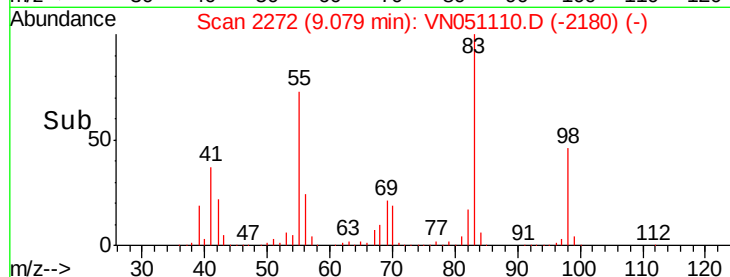
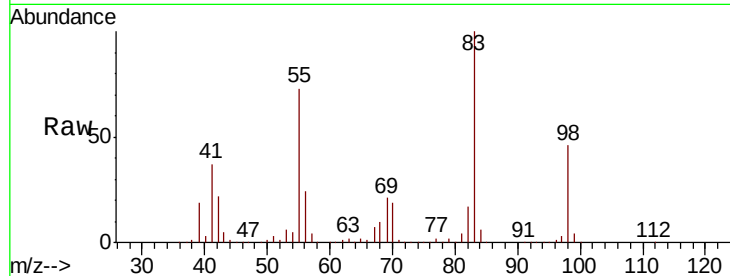
#39
Methylvlcyclohexane
Concen: 51.20 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	614093		
55	73.3	58.4	87.6	
98	45.9	37.3	55.9	

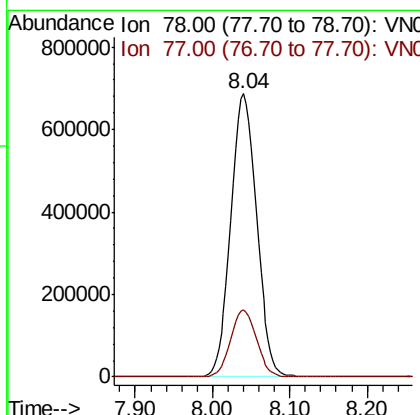
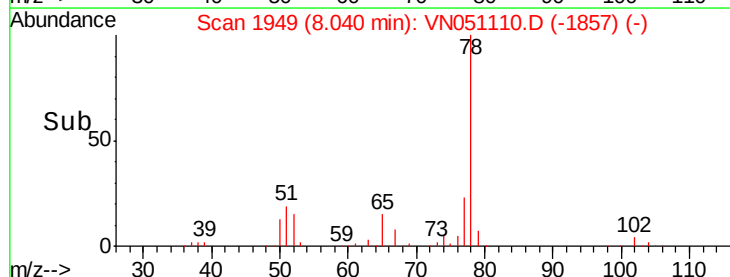
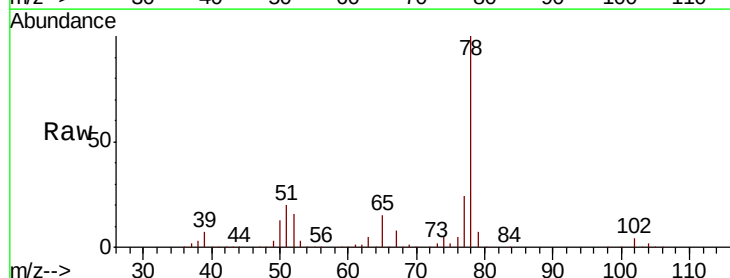
Manual Integrations
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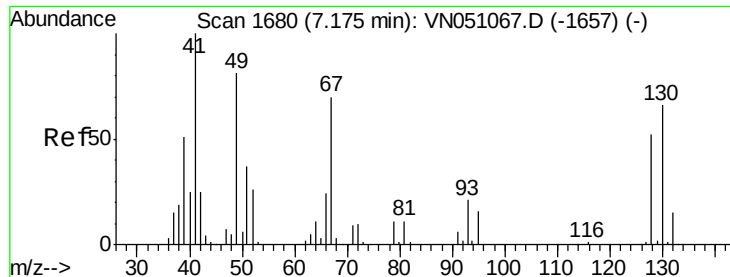
MMDadoda
9/12/2018 10:06:37 AM



#40
Benzene
Concen: 48.58 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1591431		
77	23.6	18.6	27.8	





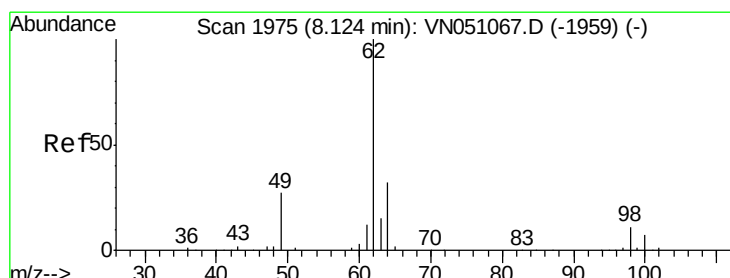
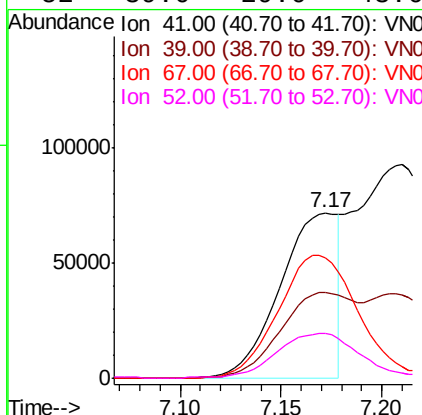
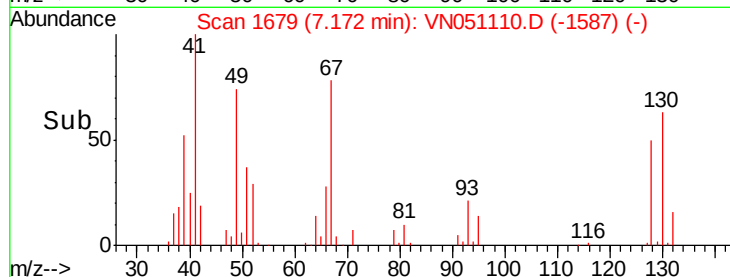
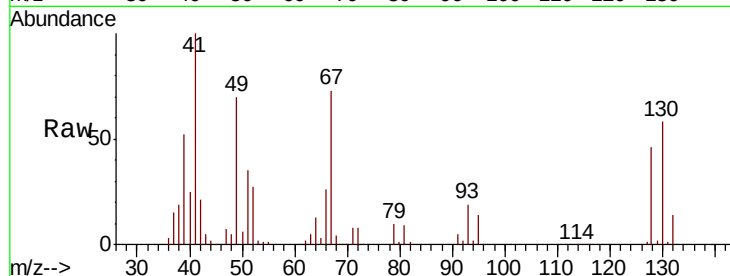
#41
Methacrylonitrile
Concen: 43.76 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.3	51.3	76.9
67	105.0	78.5	117.7
52	39.0	29.0	43.6

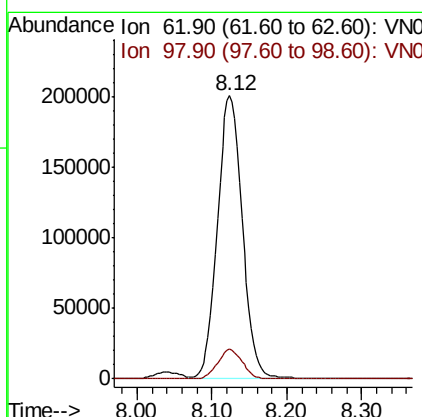
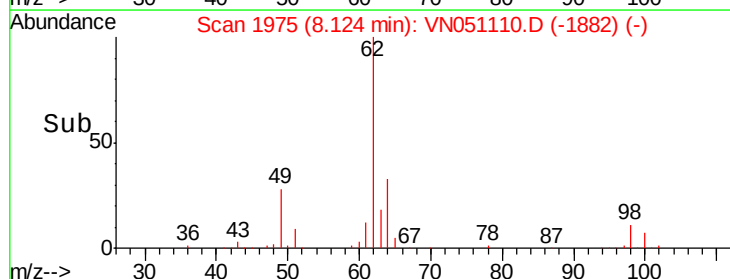
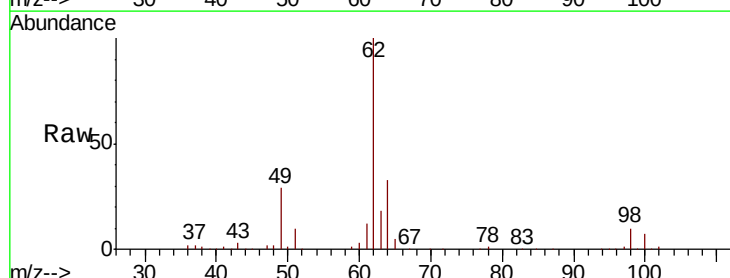
Manual Integrations
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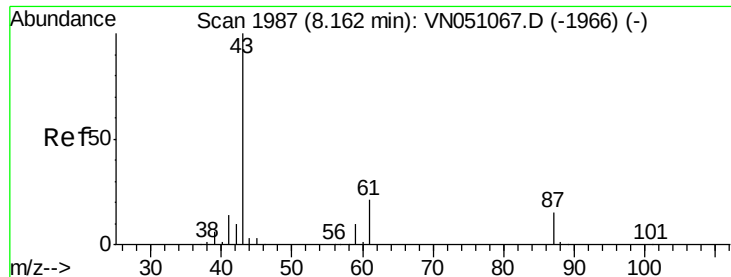
MMDadoda
9/12/2018 10:06:37 AM



#42
1,2-Dichloroethane
Concen: 48.47 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 50.07 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

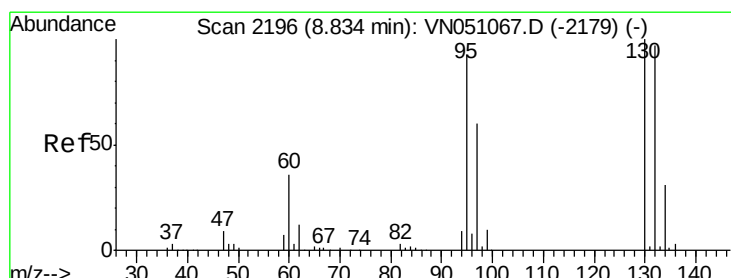
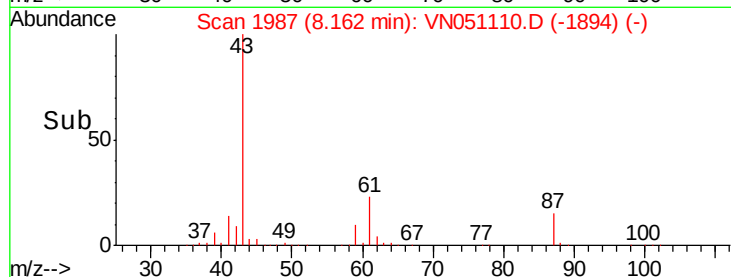
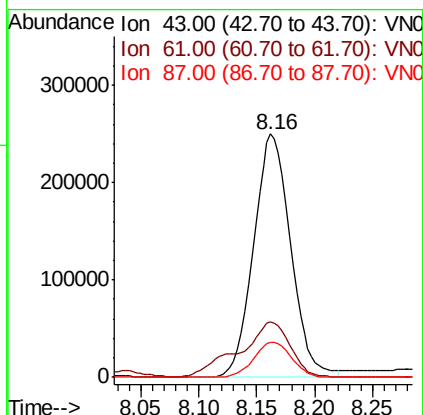
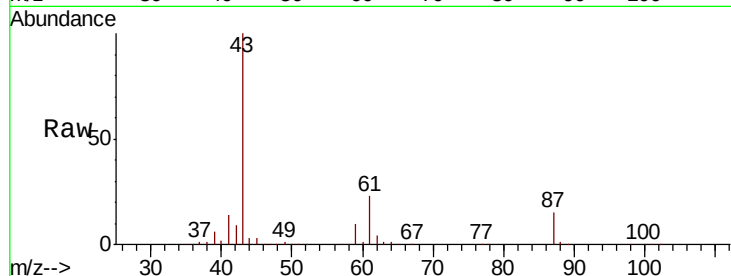
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	556268
Ion	Ratio	Lower	Upper
43	100		
61	31.3	25.0	37.6
87	14.6	11.8	17.8

Manual Integrations
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9/12/2018 10:06:37 AM



#44

Trichloroethene

Concen: 48.18 ug/l

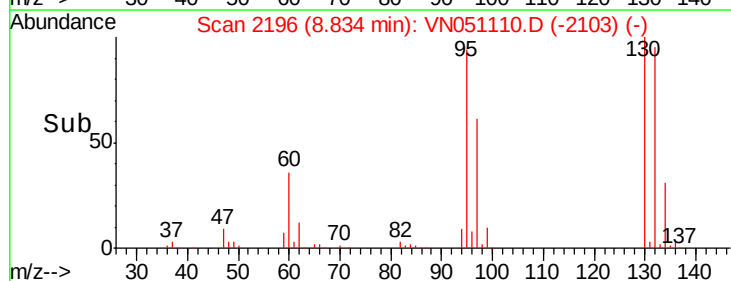
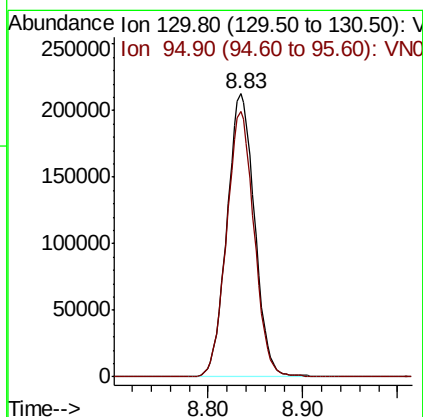
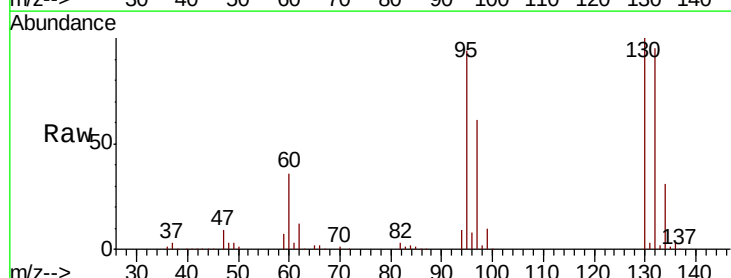
RT: 8.83 min Scan# 2196

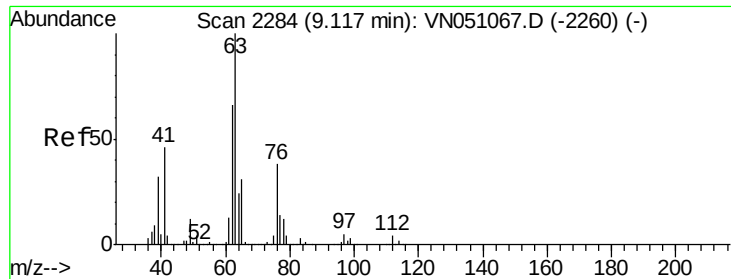
Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Tgt Ion:	130	Resp:	431711
Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	186.2





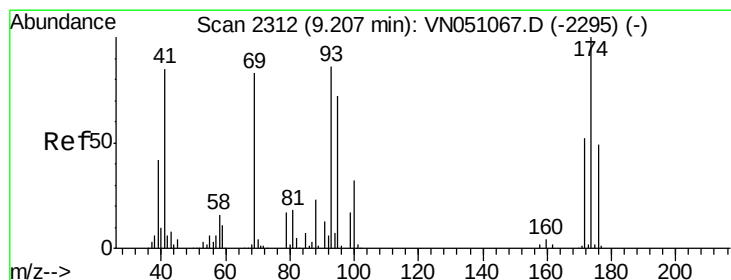
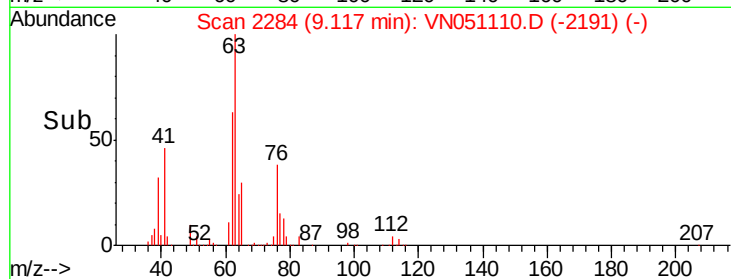
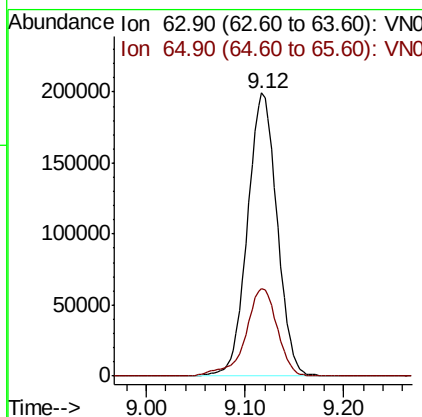
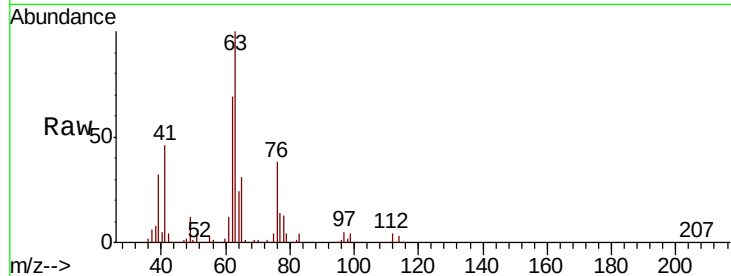
#45
 1,2-Dichloropropane
 Concen: 48.67 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.7	37.1

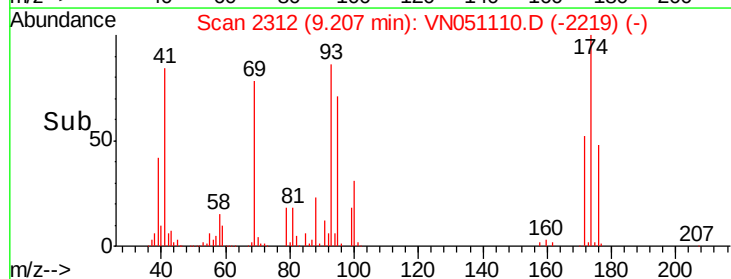
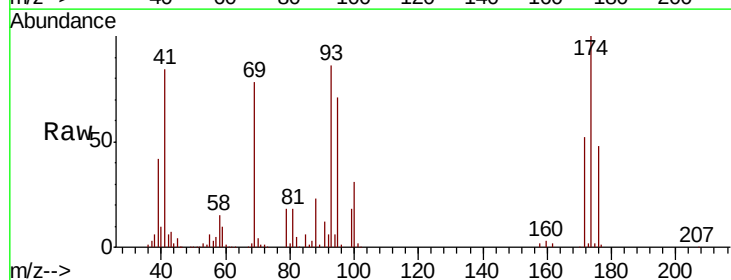
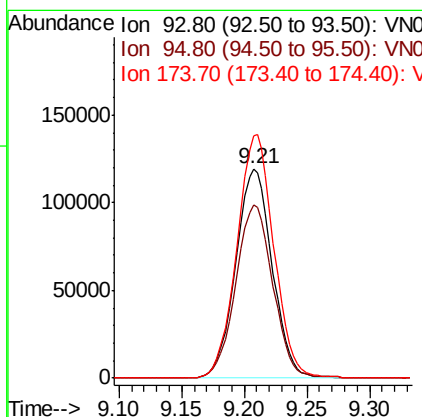
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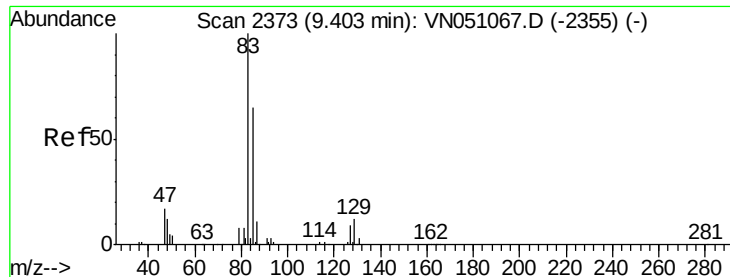
MMDadoda
 9/12/2018 10:06:37 AM



#46
 Dibromomethane
 Concen: 46.81 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.8	100.2
174	117.6	93.3	139.9





#47

Bromodichloromethane

Concen: 49.10 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

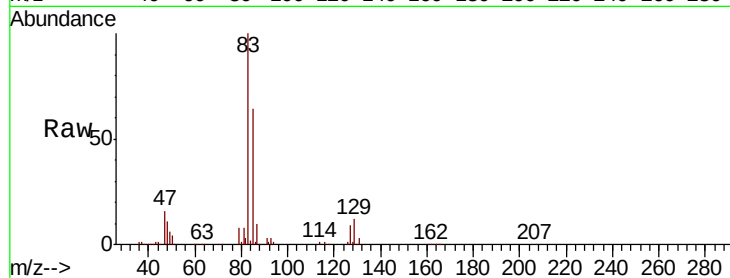
ClientSampleId :

VSTDCCC050

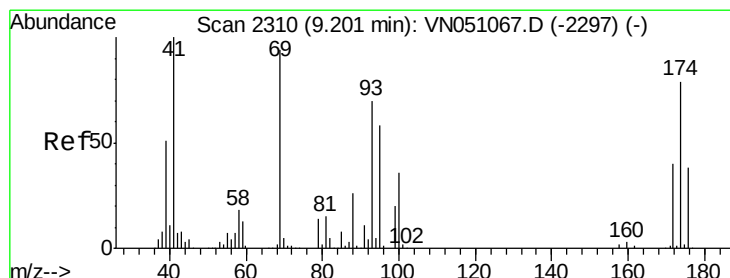
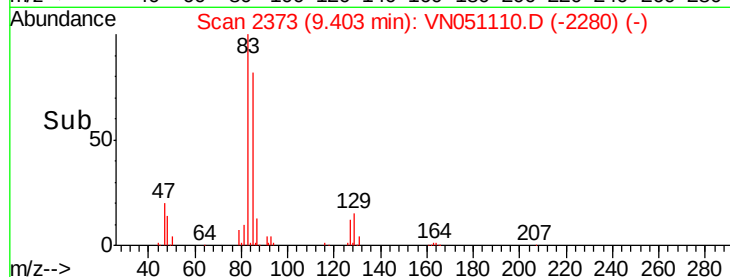
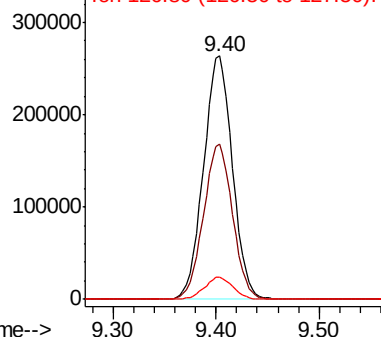
Tot Ion:	83	Resp:	515603
Ion Ratio	Lower	Upper	
83	100		
85	63.6	52.3	78.5
127	9.0	7.5	11.3

Manual Integrations
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9/12/2018 10:06:37 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051110.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.88 ug/l

RT: 9.20 min Scan# 2309

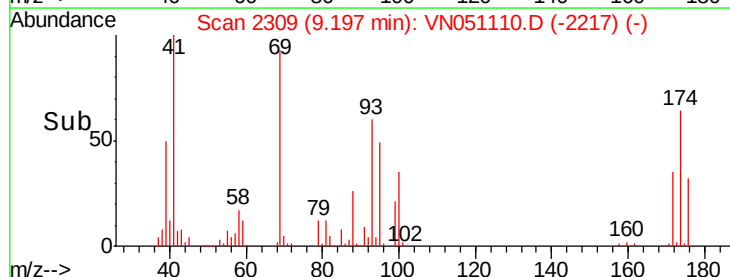
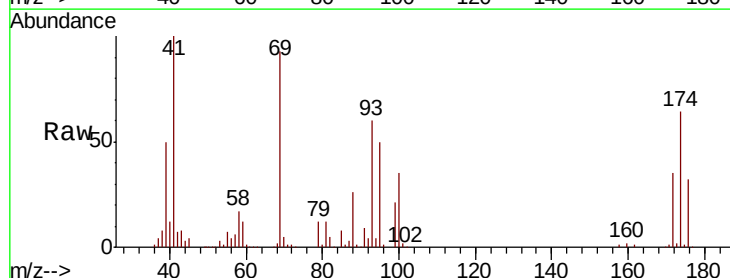
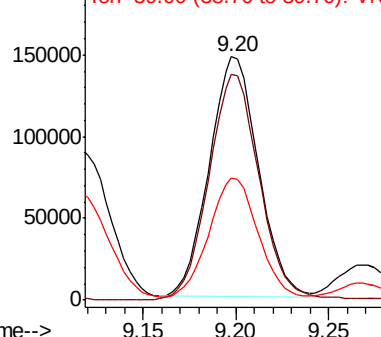
Delta R.T. -0.00 min

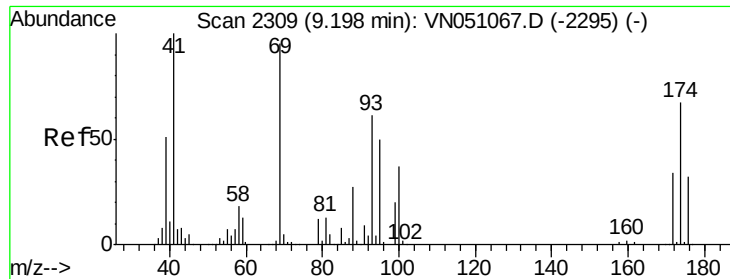
Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Tgt Ion:	41	Resp:	270063
Ion Ratio	Lower	Upper	
41	100		
69	97.3	77.7	116.5
39	51.6	41.6	62.4

Abundance Ion 41.00 (40.70 to 41.70): VN051110.D (-2217) (-)





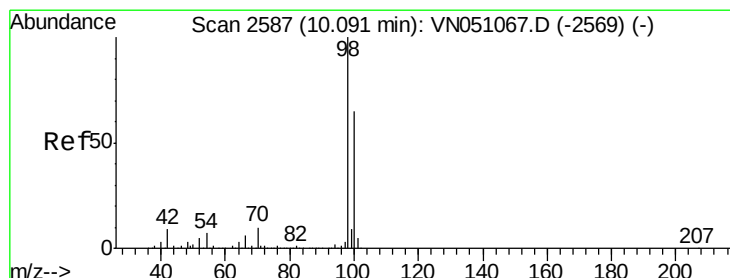
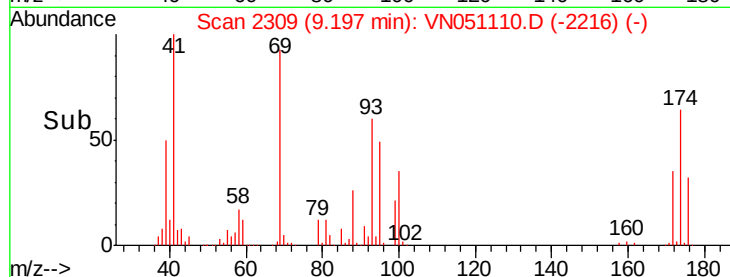
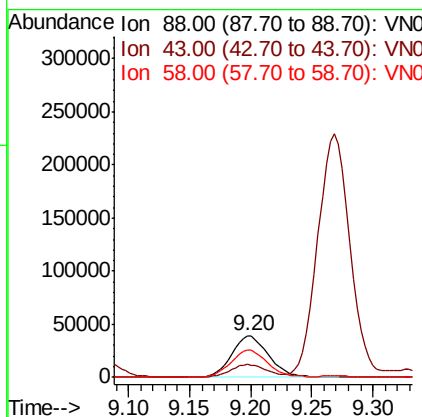
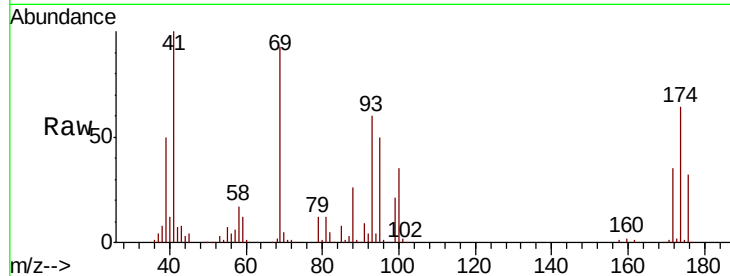
#49
 1,4-Dioxane
 Concen: 968.78 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	82246
Ion Ratio	Lower	Upper	
88	100		
43	27.9	23.7	35.5
58	65.3	54.6	82.0

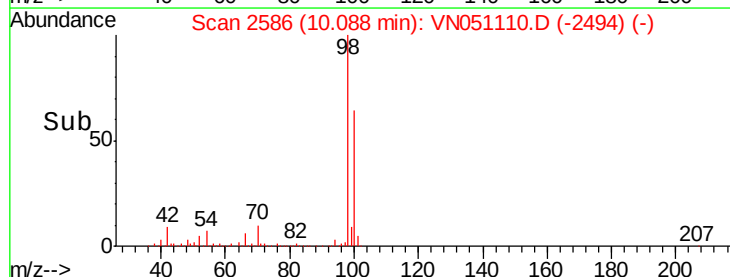
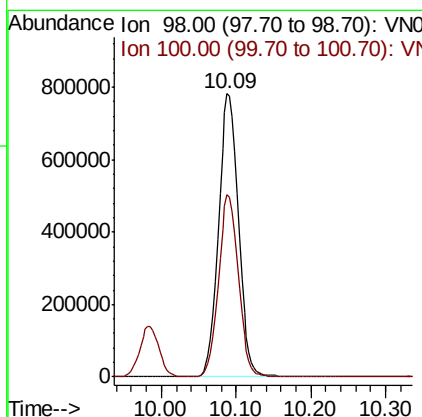
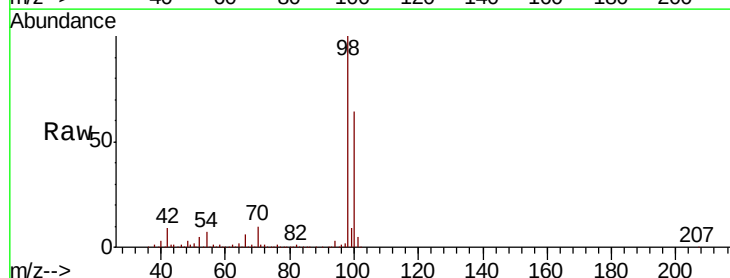
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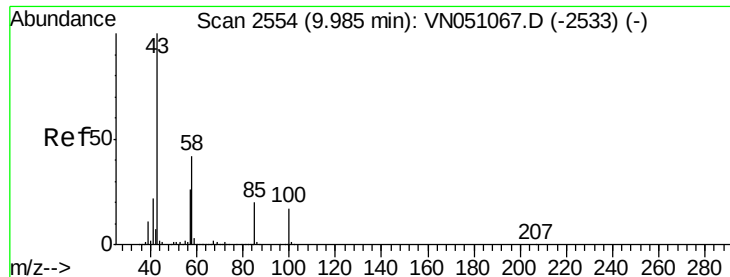
MMDadoda
 9/12/2018 10:06:37 AM



#50
 Toluene-d8
 Concen: 51.05 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Tgt Ion	98	Resp	1441461
Ion Ratio	Lower	Upper	
98	100		
100	64.2	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 246.03 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1511472

Ion Ratio Lower Upper

43 100

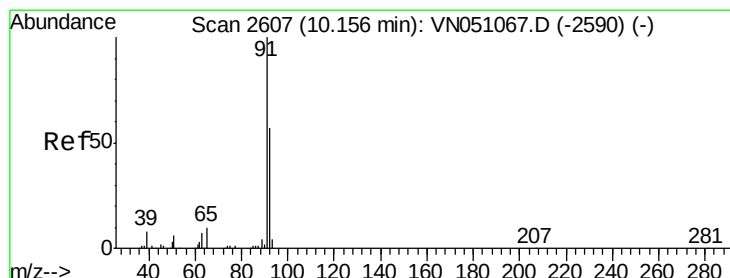
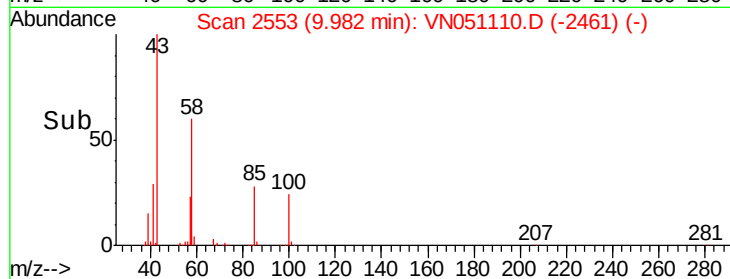
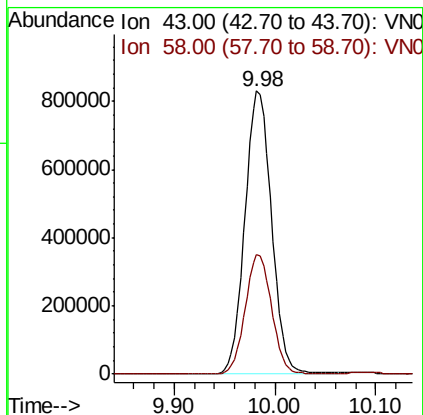
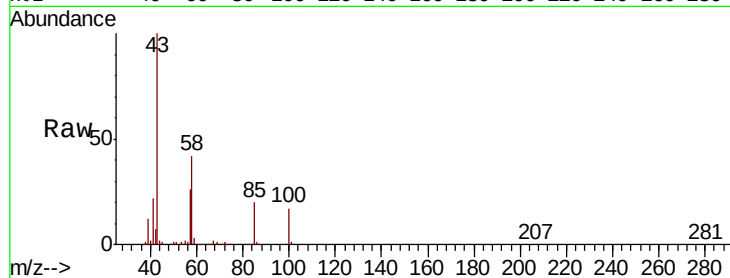
58 41.9 33.5 50.3

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 49.98 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051110.D

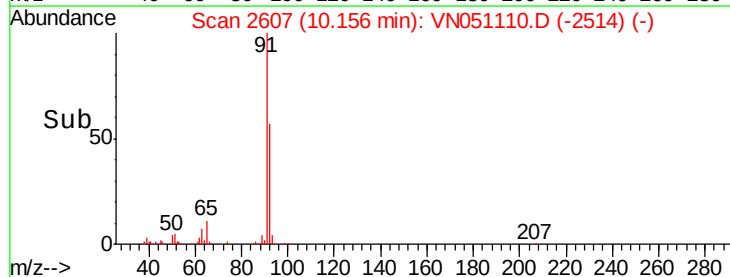
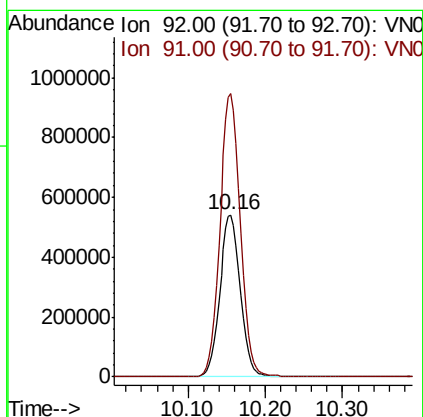
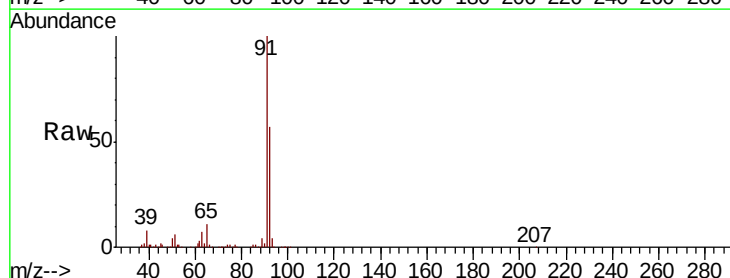
Acq: 11 Sep 2018 7:56

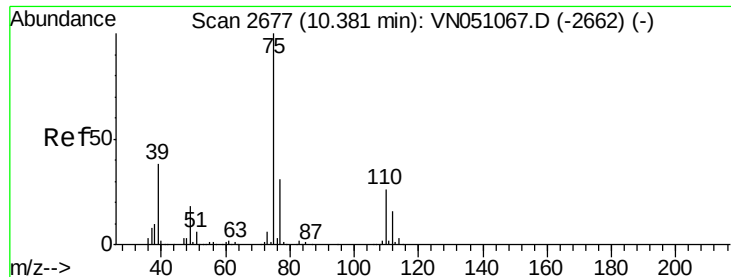
Tgt Ion: 92 Resp: 998436

Ion Ratio Lower Upper

92 100

91 174.5 139.5 209.3





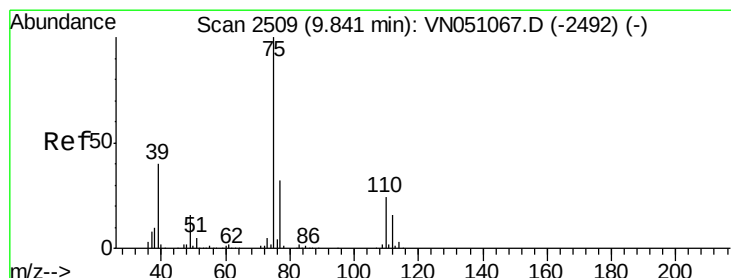
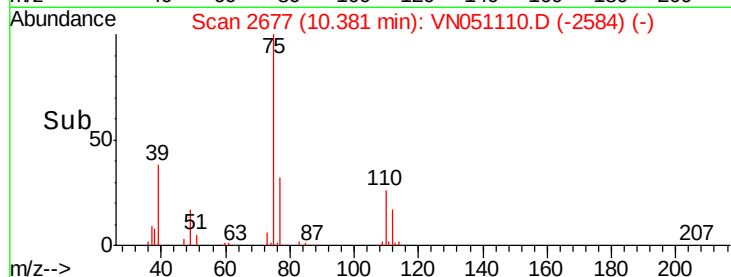
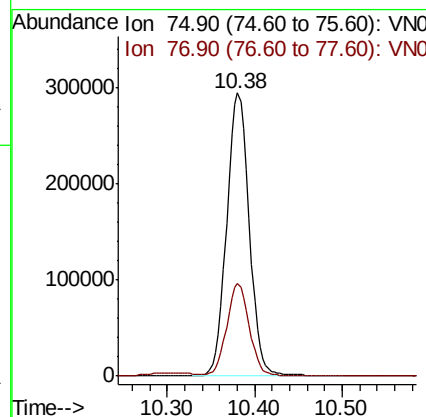
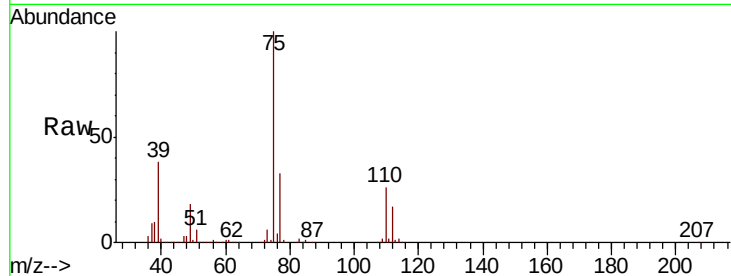
#53
t-1,3-Dichloropropene
Concen: 50.35 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.3	37.9

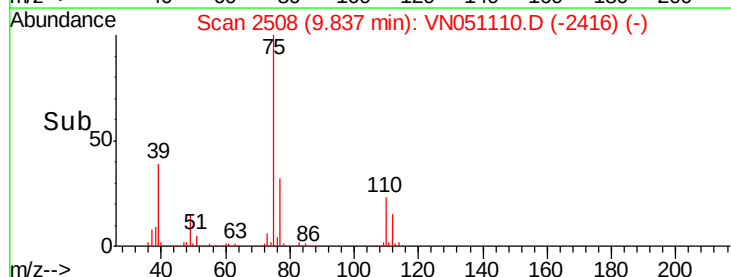
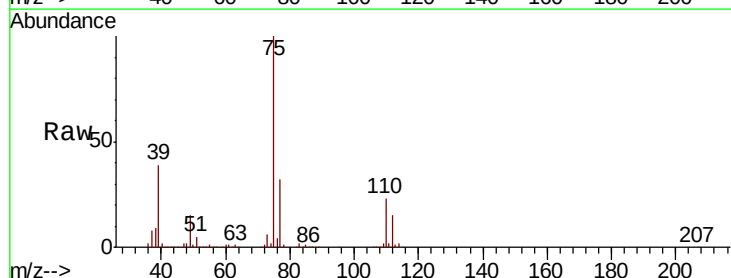
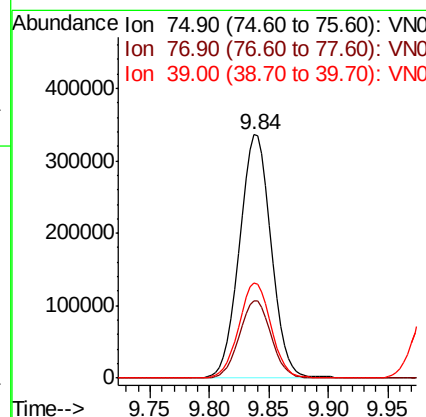
Manual Integrations
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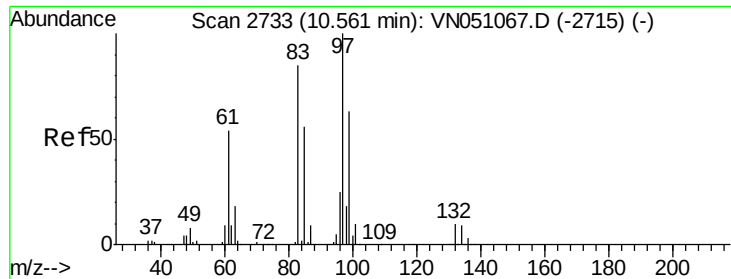
MMDadoda
9/12/2018 10:06:37 AM



#54
cis-1,3-Dichloropropene
Concen: 50.52 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5
39	39.2	31.9	47.9





#55

1,1,2-Trichloroethane

Concen: 48.76 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

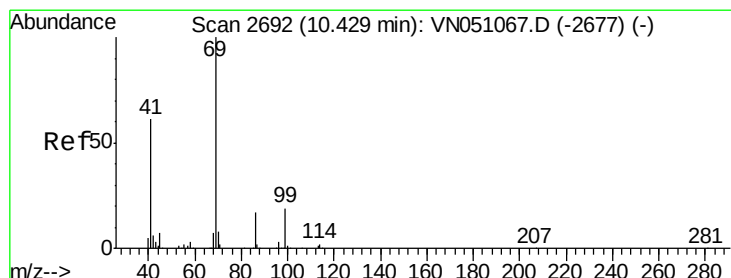
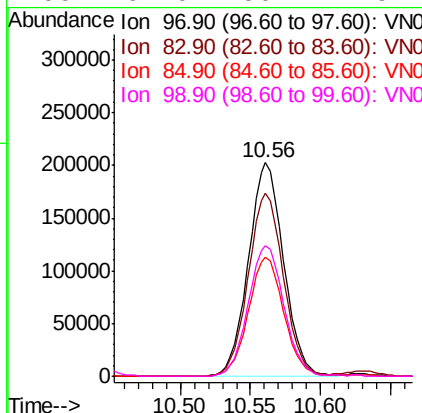
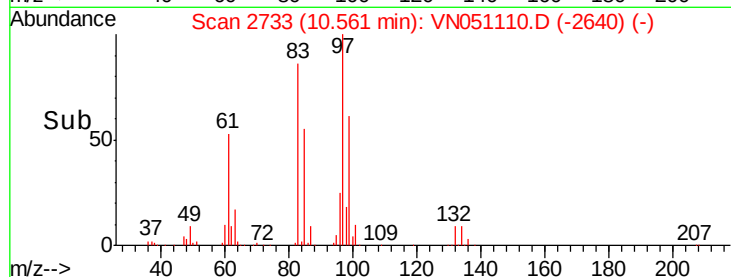
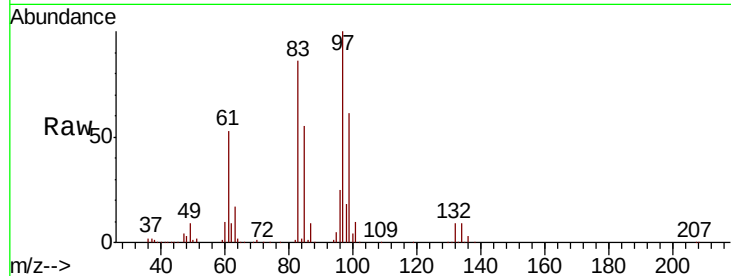
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	353784
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.2	102.2
85	55.5	44.8	67.2
99	61.0	50.2	75.4

Manual Integrations
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9/12/2018 10:06:37 AM



#56

Ethyl methacrylate

Concen: 46.67 ug/l

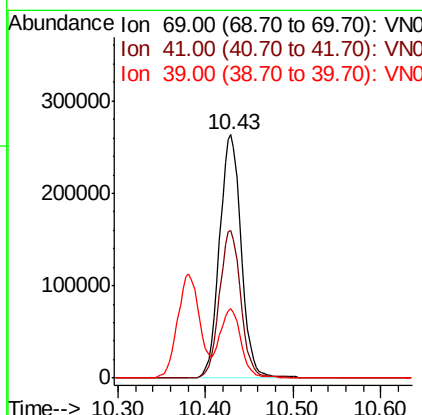
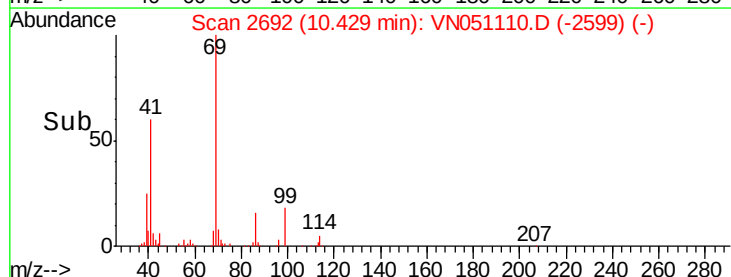
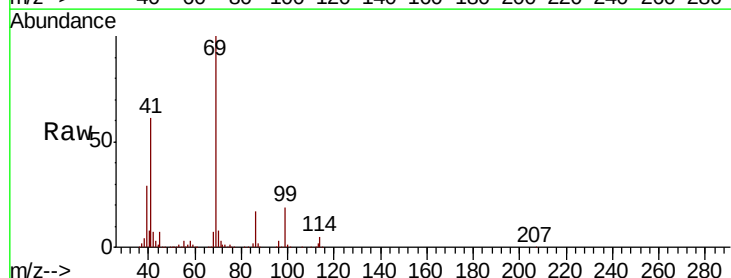
RT: 10.43 min Scan# 2692

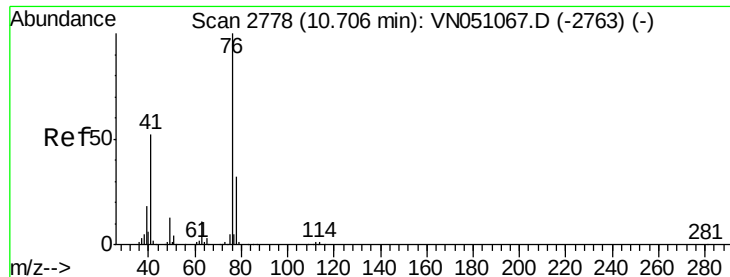
Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Tgt Ion:	69	Resp:	452809
Ion	Ratio	Lower	Upper
69	100		
41	59.9	47.8	71.8
39	28.1	23.0	34.4





#57

1,3-Dichloropropane

Concen: 48.75 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 586444

Ion Ratio Lower Upper

76 100

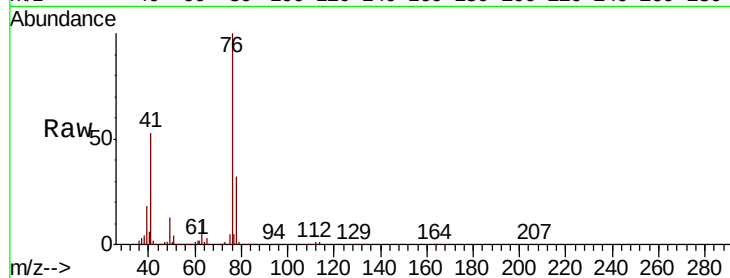
78 32.3 26.1 39.1

Manual Integrations

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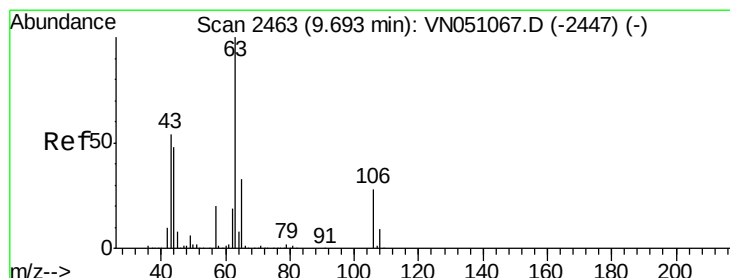
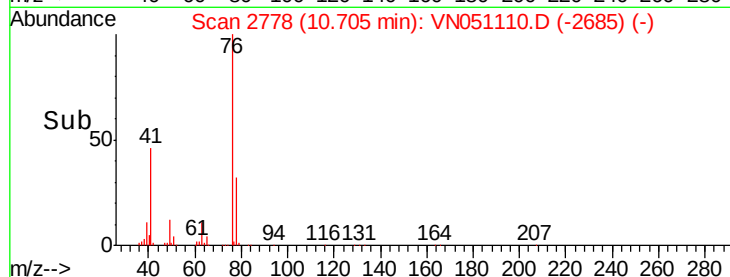
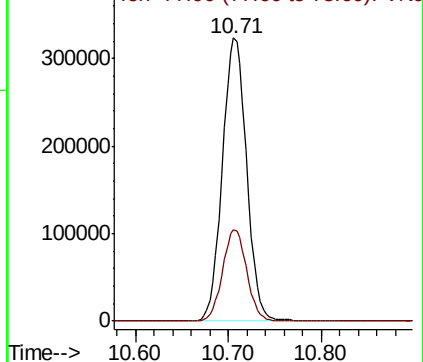
MMDadoda

9/12/2018 10:06:37 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 230.90 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN051110.D

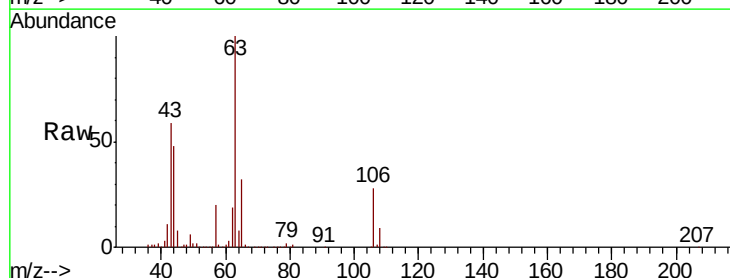
Acq: 11 Sep 2018 7:56

Tgt Ion: 63 Resp: 940094

Ion Ratio Lower Upper

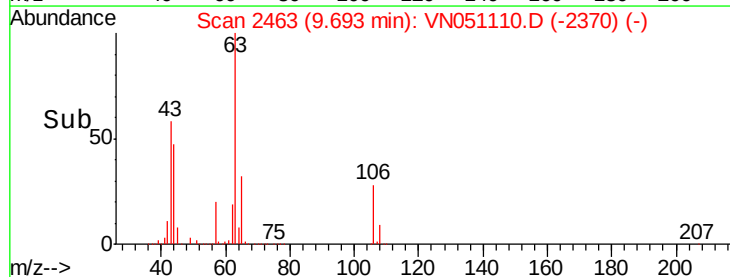
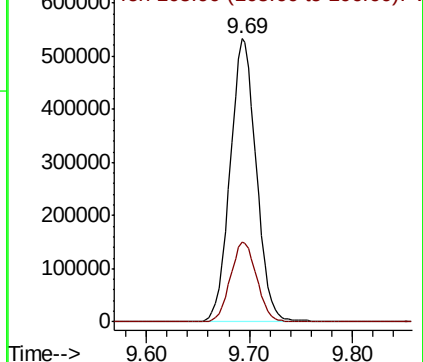
63 100

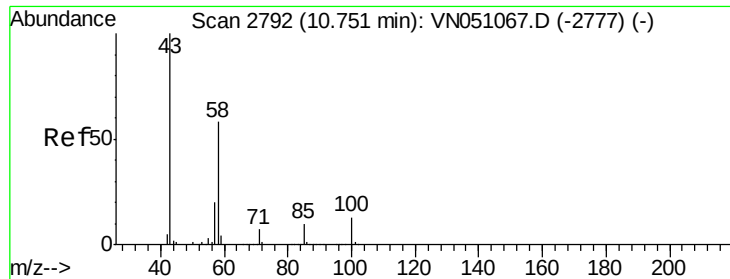
106 28.4 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





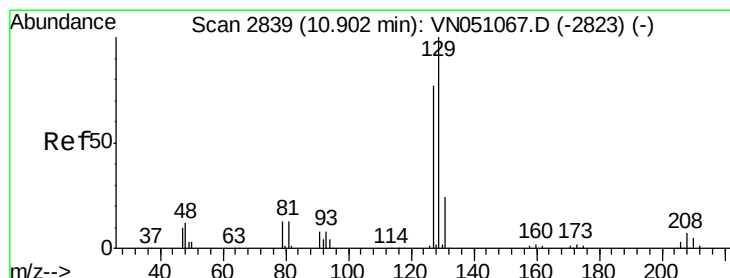
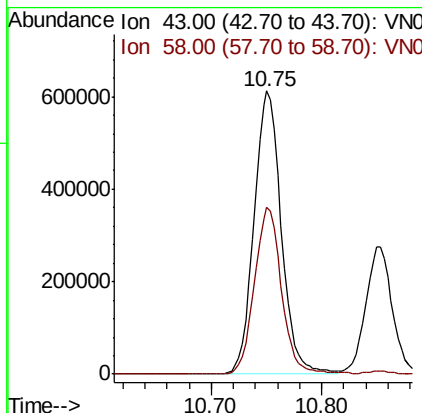
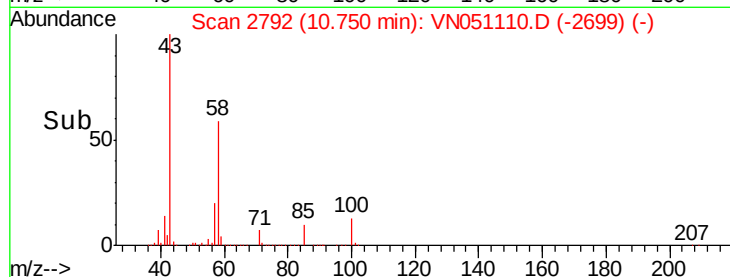
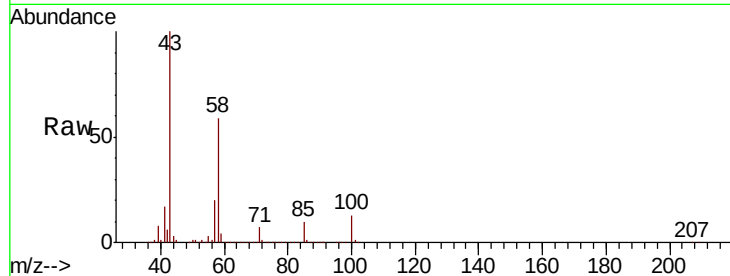
#59
2-Hexanone
Concen: 251.42 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1047524
Ion Ratio Lower Upper
43 100
58 58.9 29.3 88.0

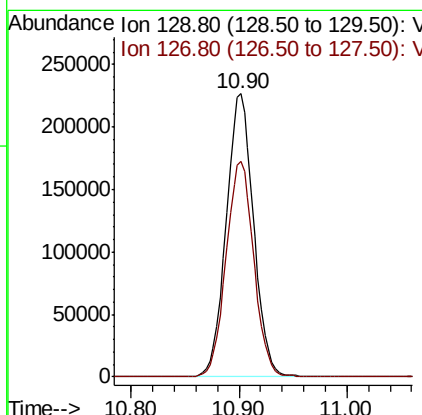
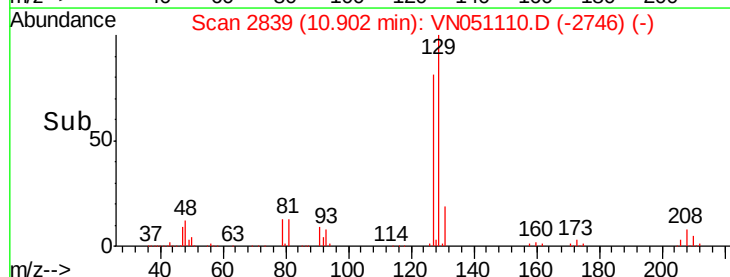
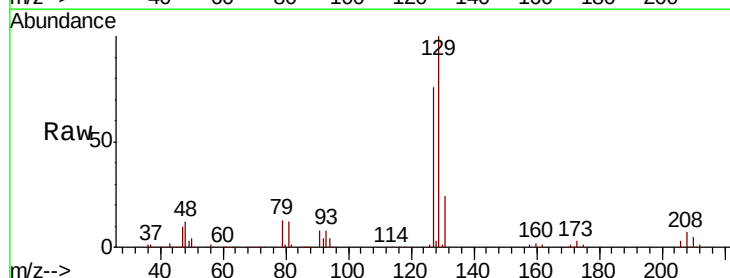
Manual Integrations
APPROVED

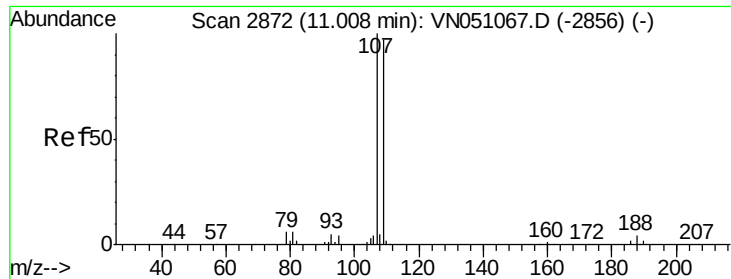
MMDadoda
9/12/2018 10:06:37 AM



#60
Dibromochloromethane
Concen: 48.98 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion: 129 Resp: 400584
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.50 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 351094

Ion Ratio Lower Upper

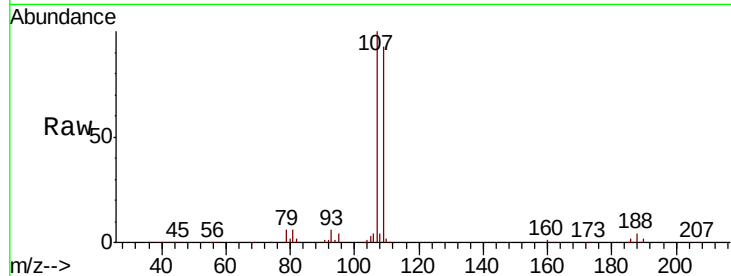
107 100

109 94.5 76.0 114.0

Manual Integrations
APPROVED

MMDadoda

9/12/2018 10:06:37 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

200000

150000

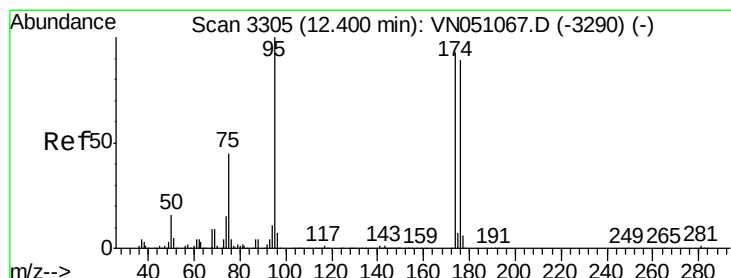
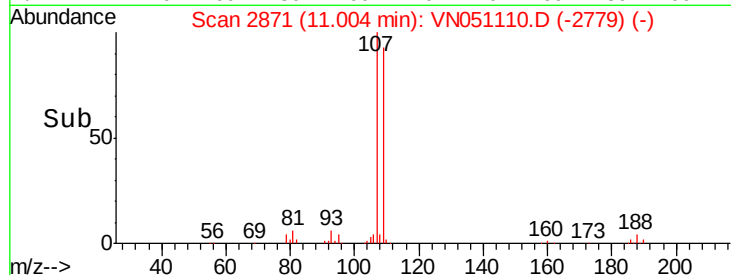
100000

50000

0

Time-->

10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 51.90 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

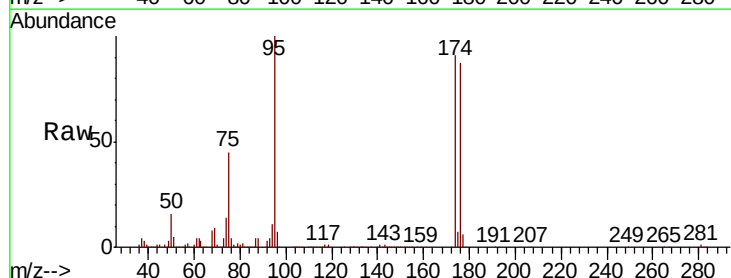
Tgt Ion: 95 Resp: 484704

Ion Ratio Lower Upper

95 100

174 91.0 0.0 184.8

176 88.6 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

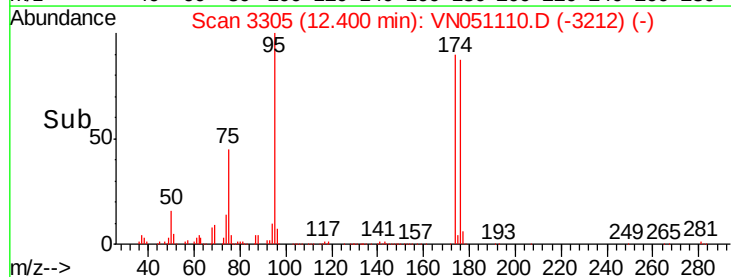
200000

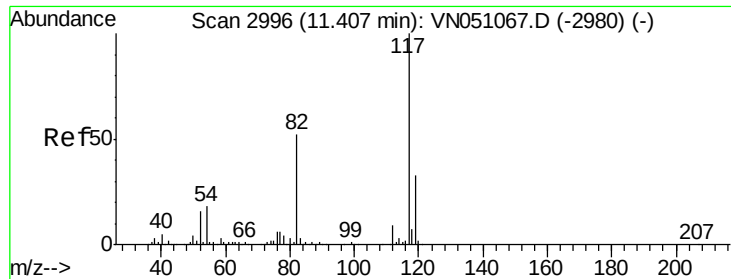
100000

0

Time-->

12.30 12.40 12.50





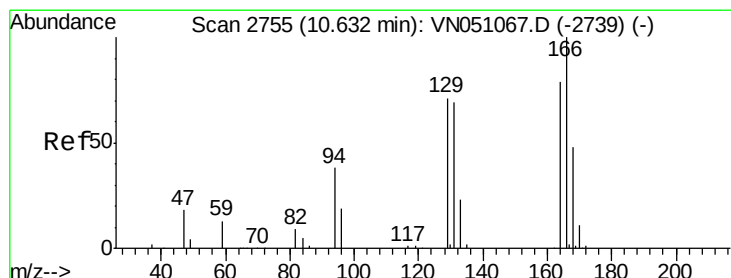
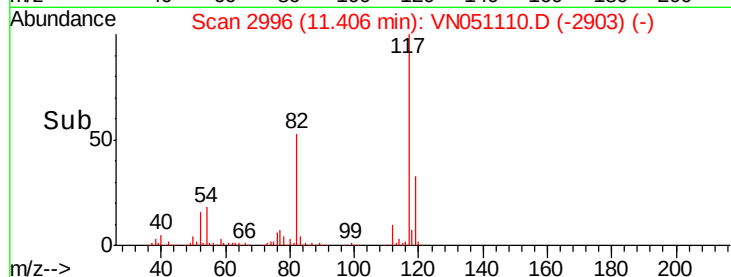
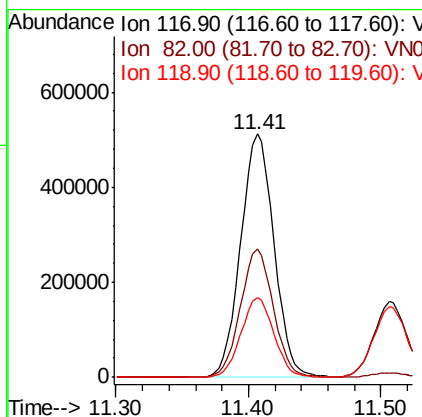
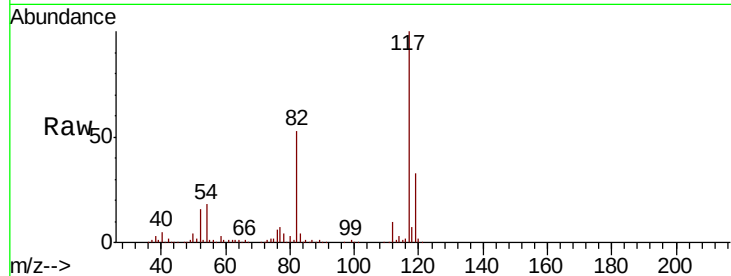
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	895829		
82	52.7		41.8	62.6
119	32.7		26.2	39.2

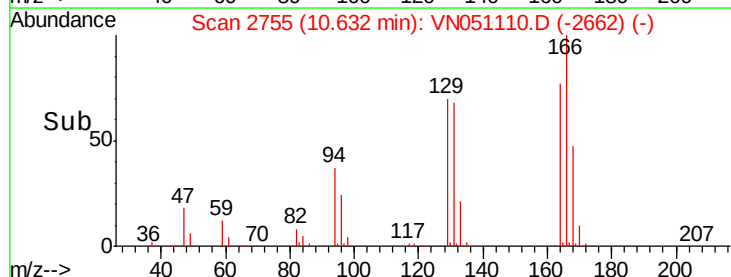
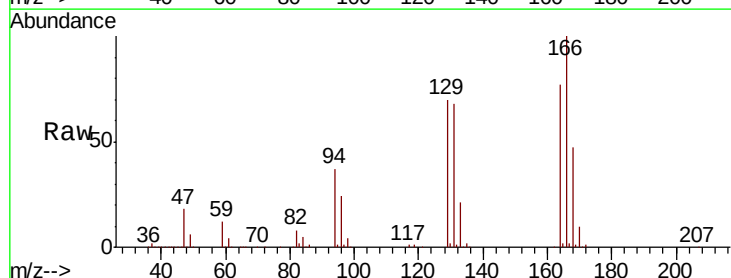
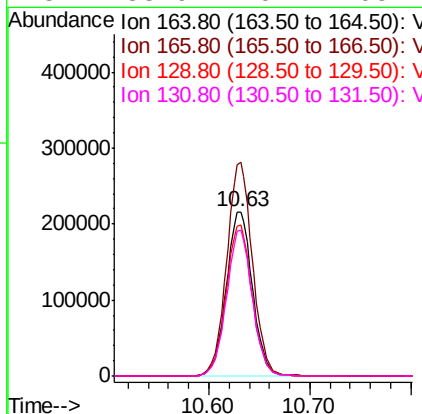
Manual Integrations
APPROVED

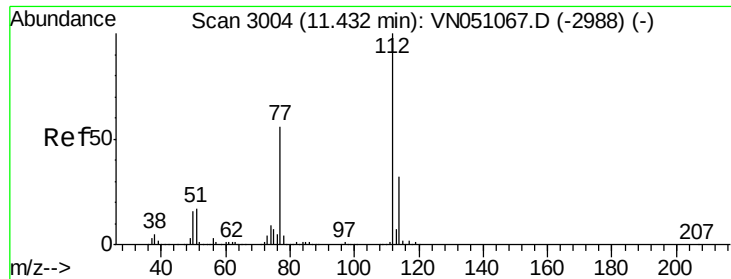
MMDadoda
9/12/2018 10:06:37 AM



#64
Tetrachloroethene
Concen: 47.63 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	389329		
166	129.9		101.3	151.9
129	91.6		72.2	108.2
131	88.9		70.2	105.2





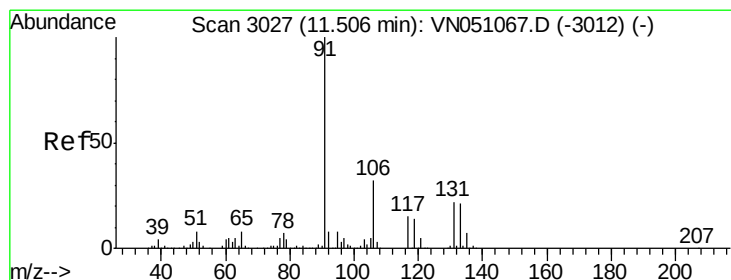
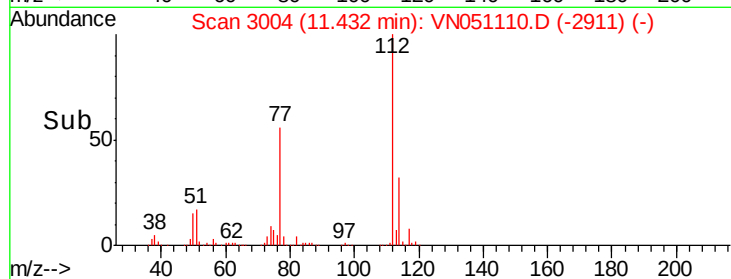
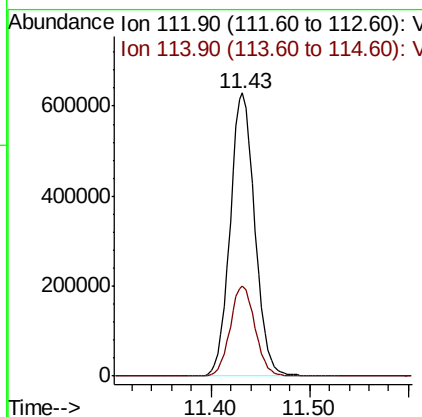
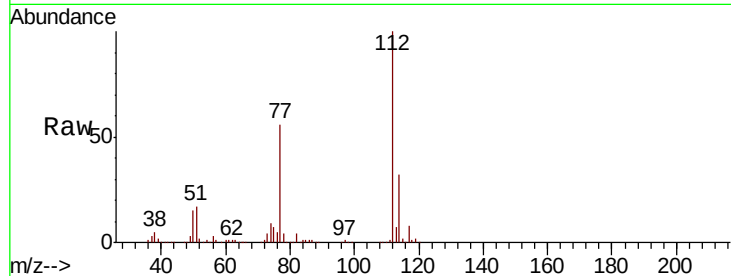
#65
Chlorobenzene
Concen: 48.65 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1098616
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

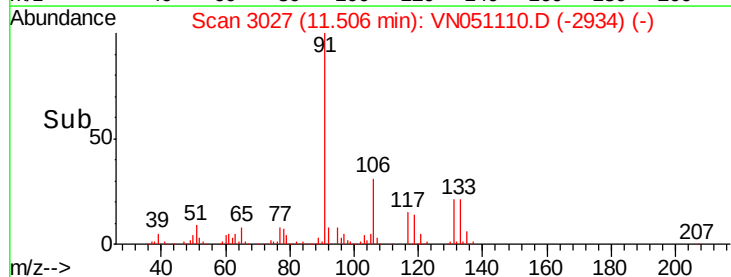
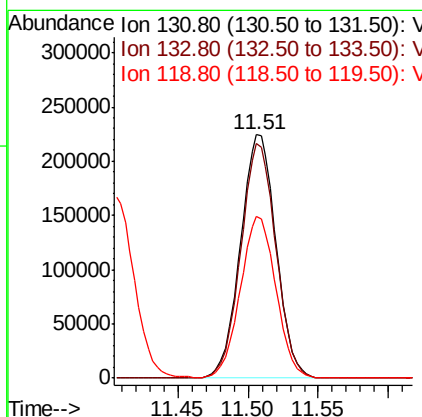
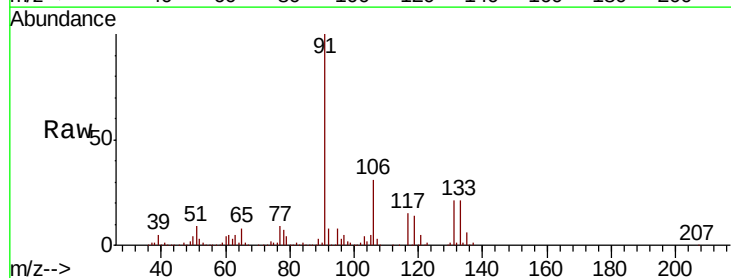
Manual Integrations
APPROVED

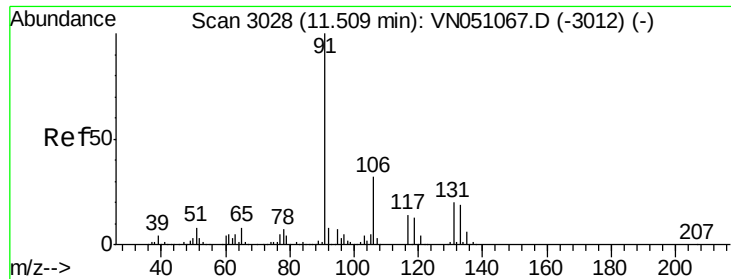
MMDadoda
9/12/2018 10:06:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.74 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion:131 Resp: 396258
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.6
119 66.4 33.2 99.6





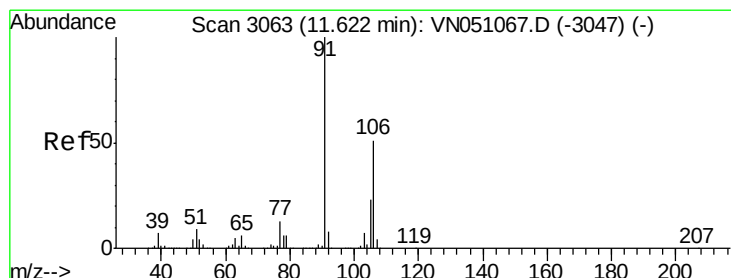
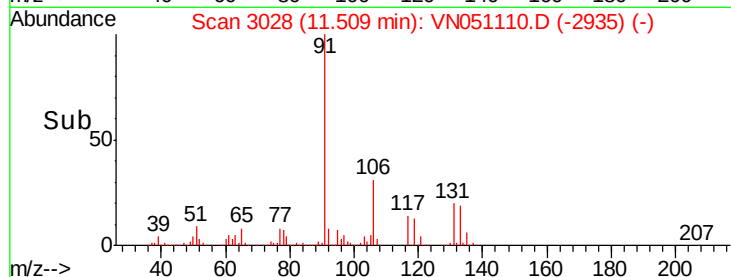
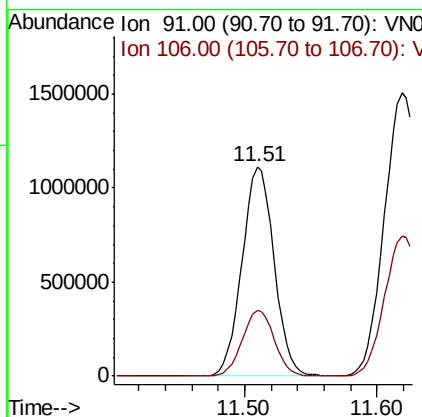
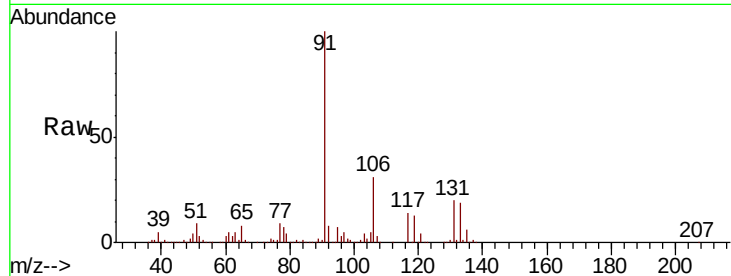
#67
Ethyl Benzene
Concen: 51.19 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1871952
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2

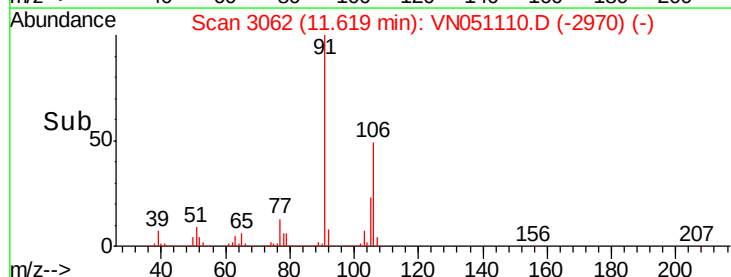
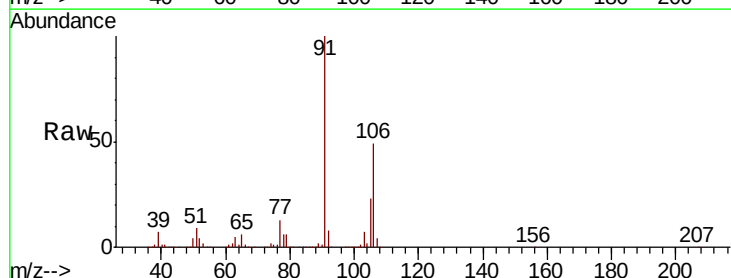
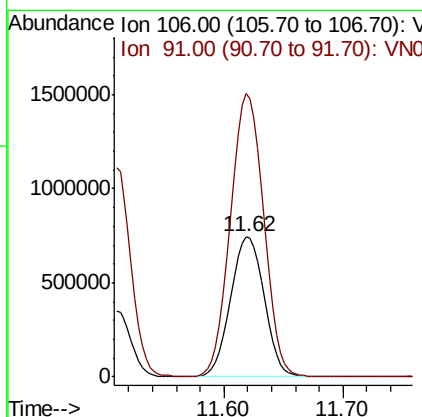
Manual Integrations
APPROVED

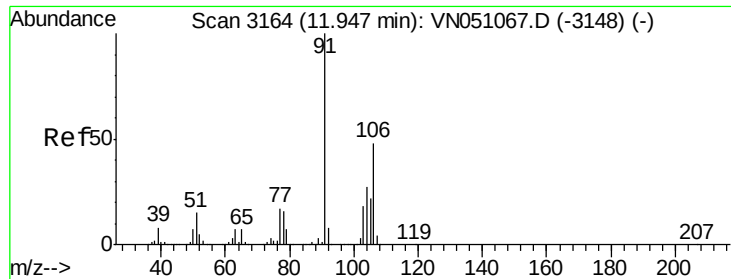
MMDadoda
9/12/2018 10:06:37 AM



#68
m/p-Xylenes
Concen: 103.96 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion: 106 Resp: 1460653
Ion Ratio Lower Upper
106 100
91 200.6 159.8 239.6





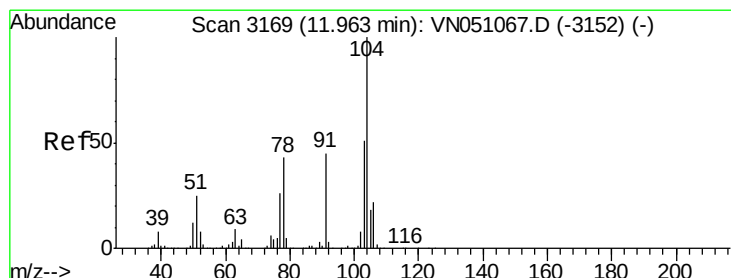
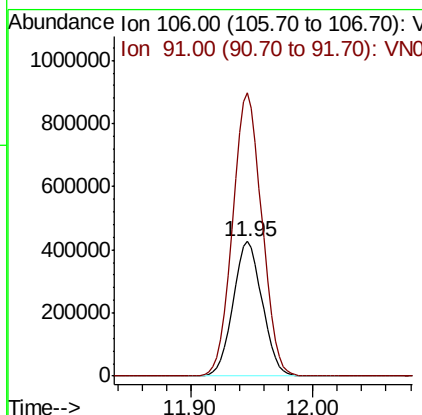
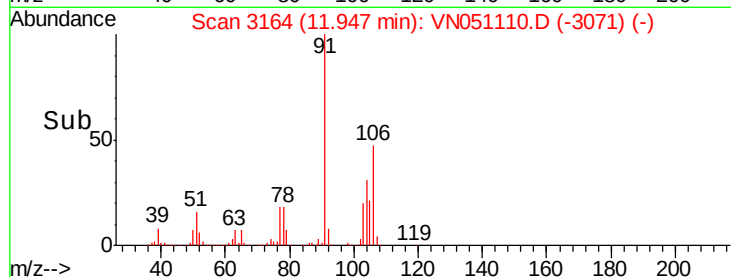
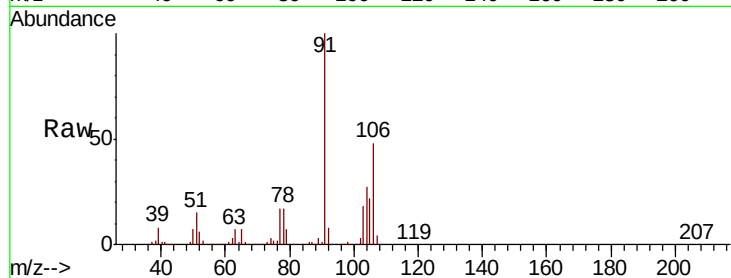
#69
o-Xylene
Concen: 52.06 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		708296		
91	210.7	105.1	315.1		

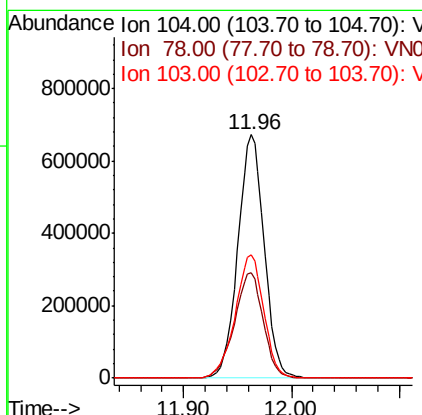
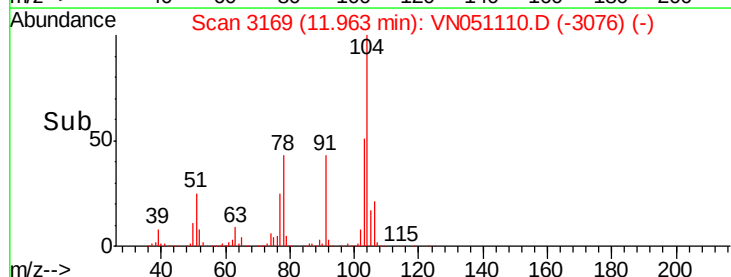
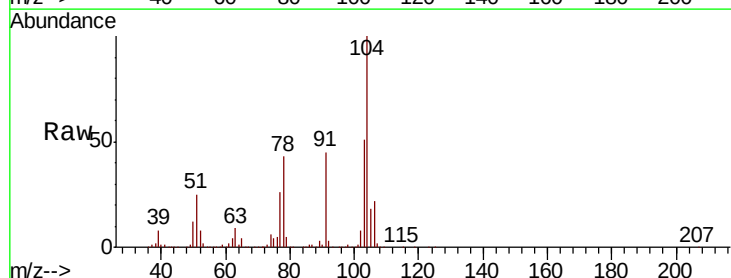
Manual Integrations
APPROVED

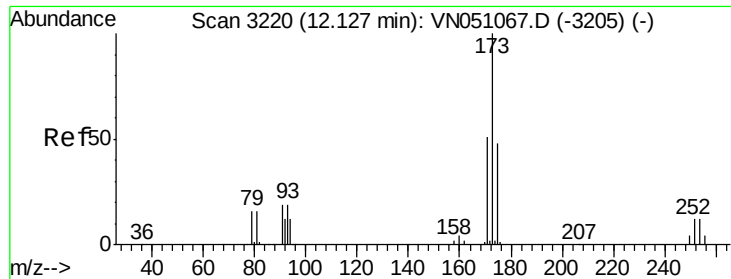
MMDadoda
9/12/2018 10:06:37 AM



#70
Styrene
Concen: 54.09 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.5	37.7	56.5	
103	54.8	44.6	67.0	





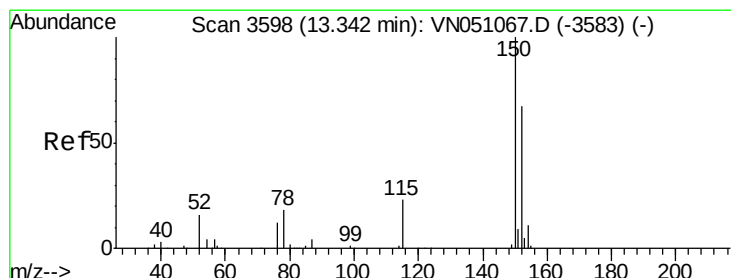
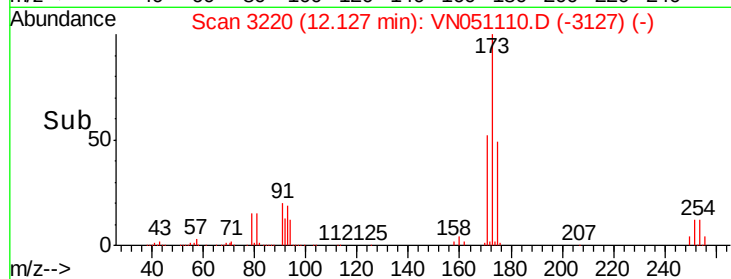
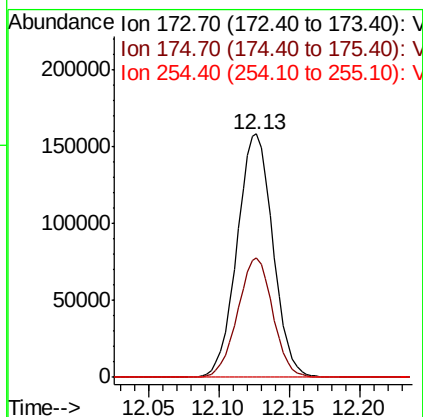
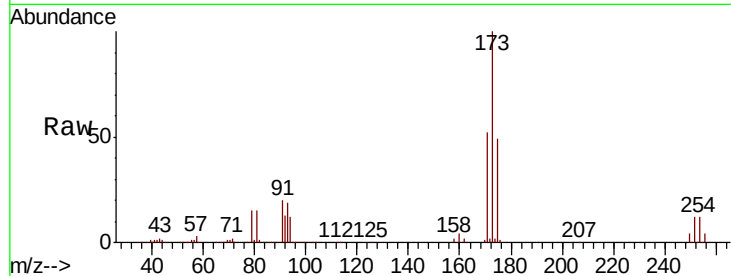
#71
Bromoform
Concen: 49.22 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
173	100	281725		
175	48.2	24.3	72.9	
254	0.1	0.0	0.0#	

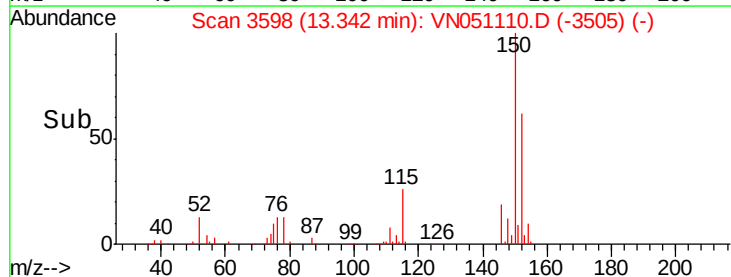
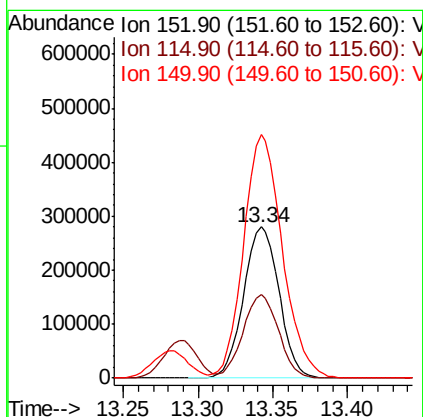
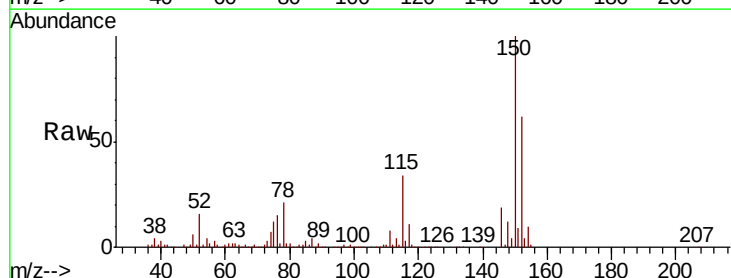
Manual Integrations
APPROVED

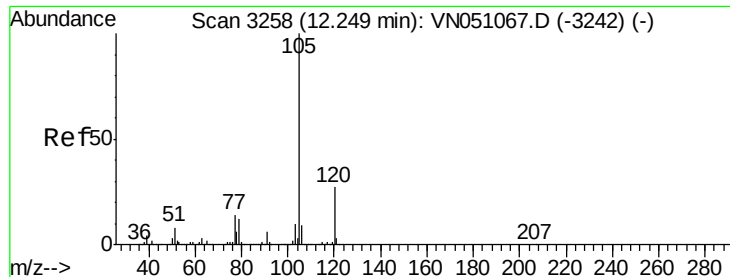
MMDadoda
9/12/2018 10:06:37 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	462472		
115	55.0	28.2	84.7	
150	175.7	0.0	349.0	





#73

Isopropylbenzene

Concen: 47.76 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1852373

Ion Ratio Lower Upper

105 100

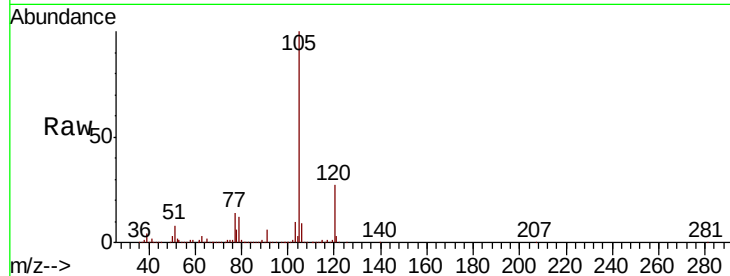
120 27.2 13.6 40.7

Manual Integrations

APPROVED

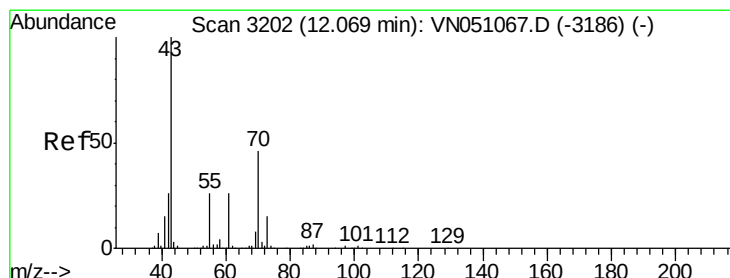
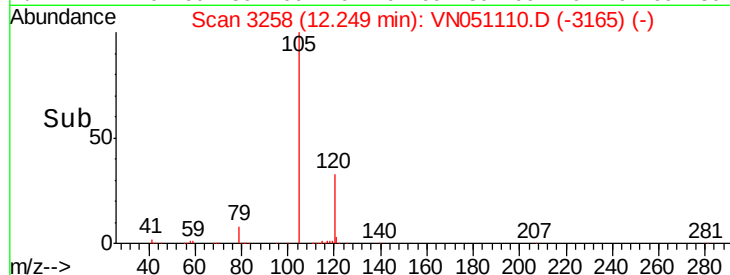
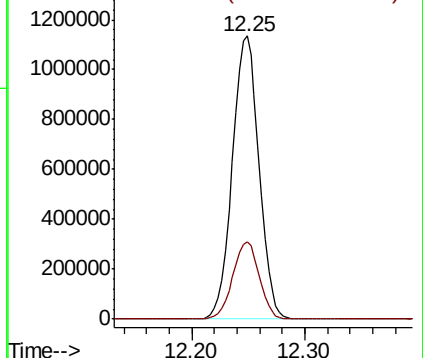
MMDadoda

9/12/2018 10:06:37 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.69 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Tgt Ion: 43 Resp: 475202

Ion Ratio Lower Upper

43 100

70 44.9 37.0 55.4

55 26.6 21.3 31.9

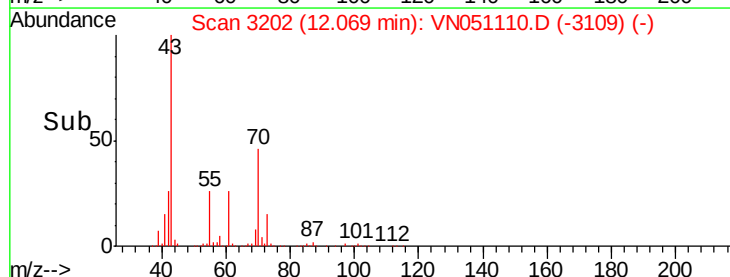
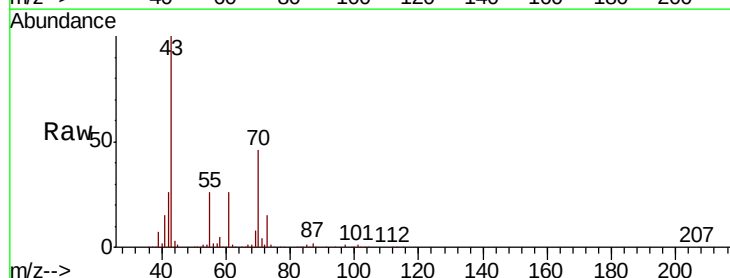
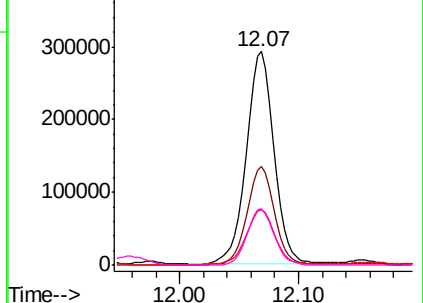
61 25.5 20.7 31.1

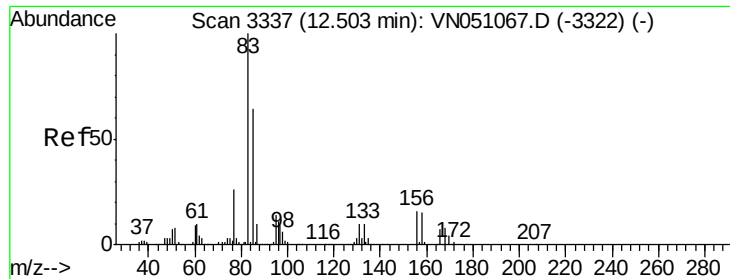
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.48 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

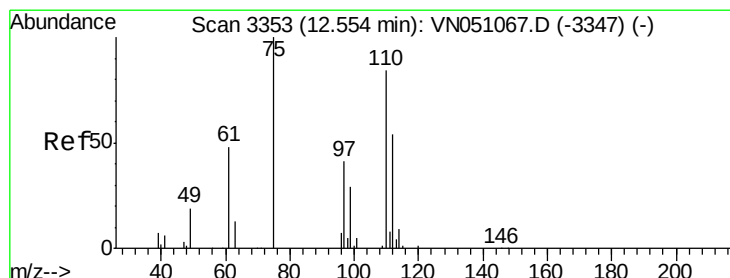
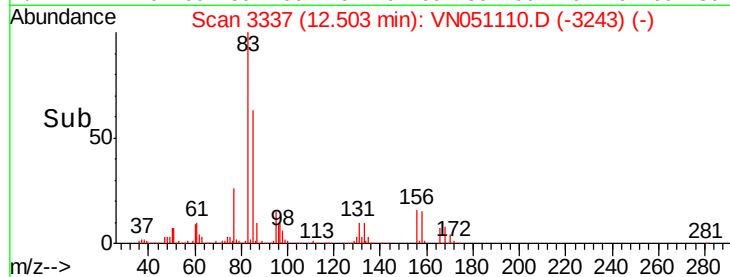
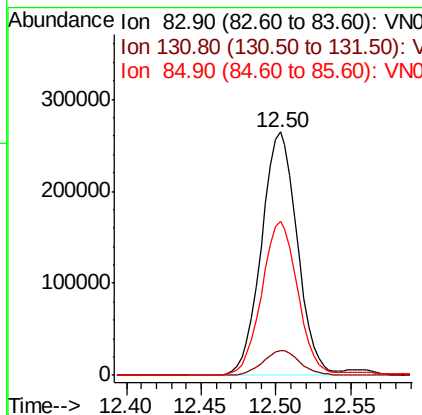
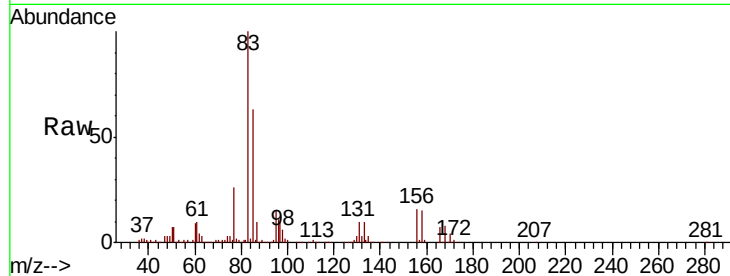
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	440469
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	16.1
85	63.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.36 ug/l m

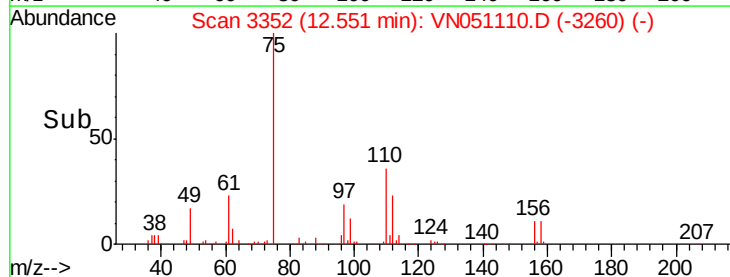
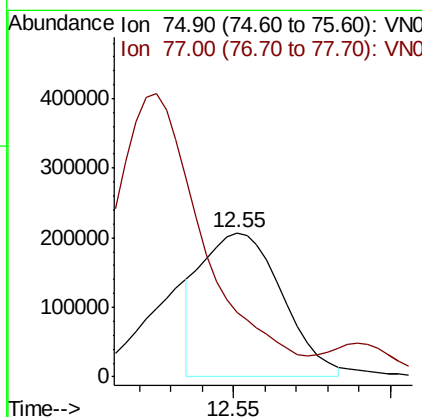
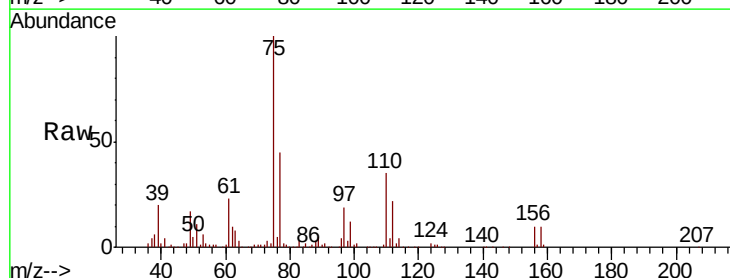
RT: 12.55 min Scan# 3352

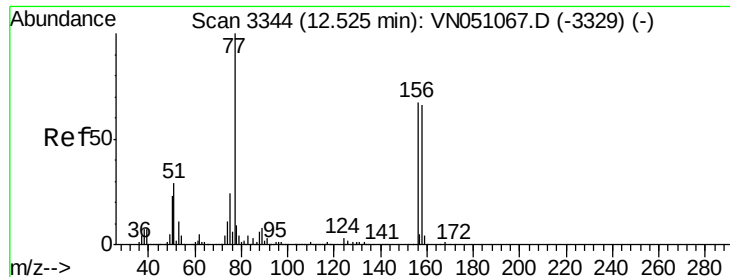
Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Tgt Ion:	75	Resp:	367956
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





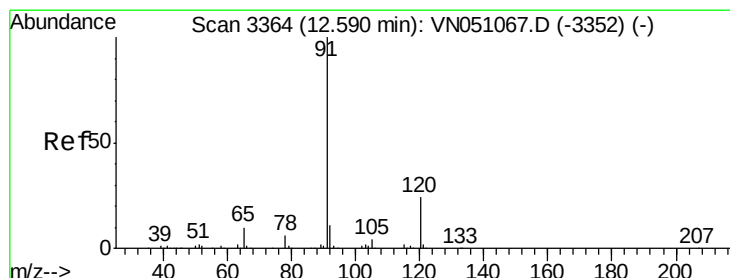
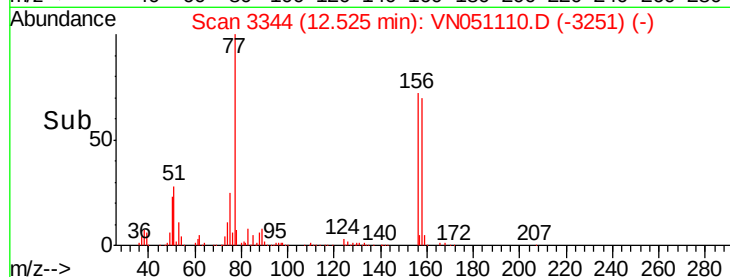
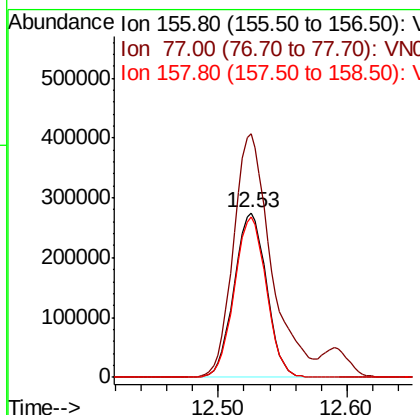
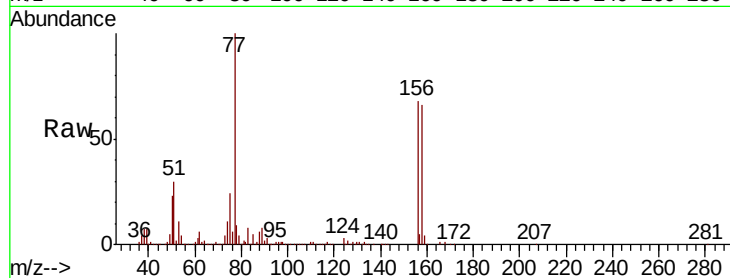
#77
Bromobenzene
Concen: 45.94 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.6	87.5	262.6
158	96.6	49.0	147.2

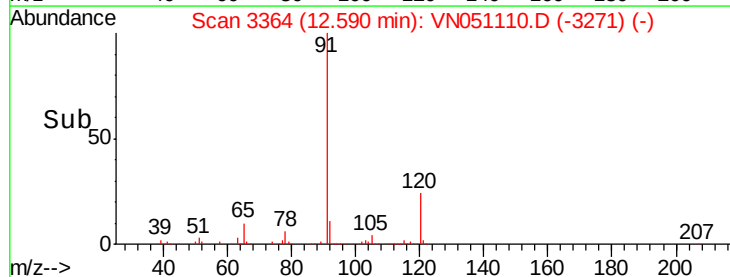
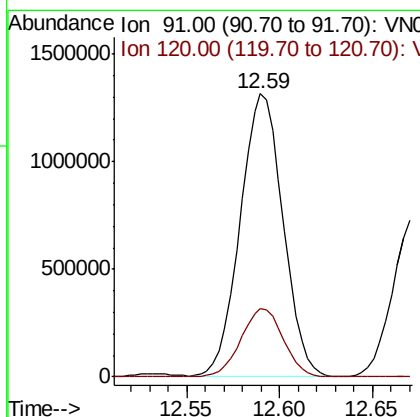
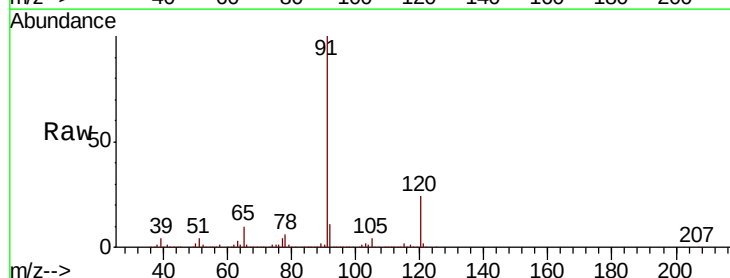
Manual Integrations
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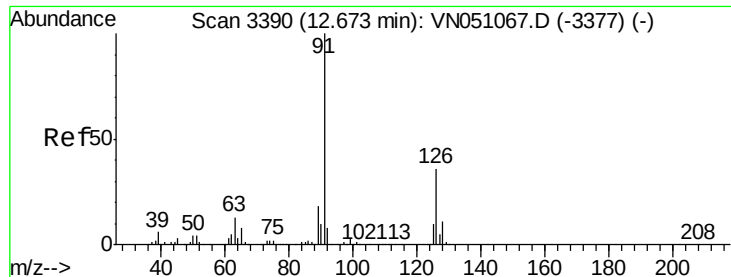
MMDadoda
9/12/2018 10:06:37 AM



#78
n-propylbenzene
Concen: 49.18 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 46.76 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1245887

Ion Ratio Lower Upper

91 100

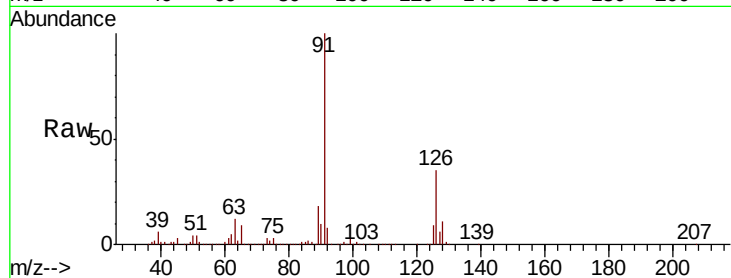
126 35.6 17.9 53.7

Manual Integrations

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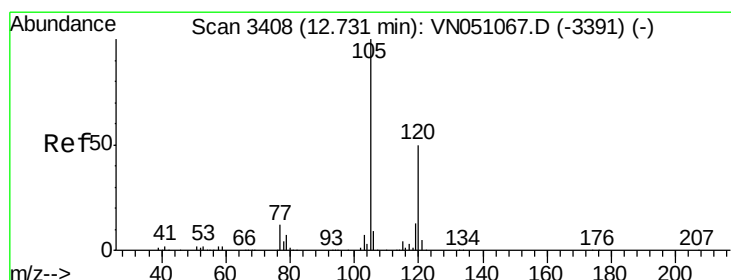
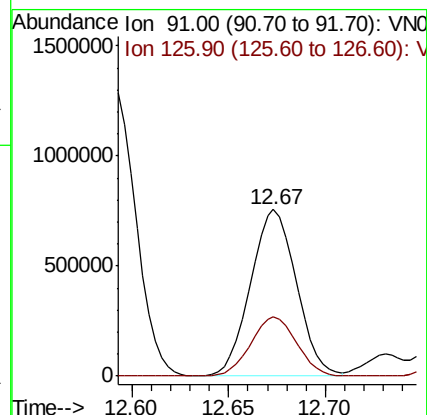
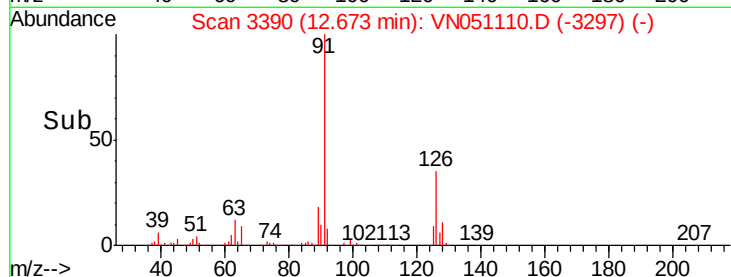
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN051110.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN051110.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.59 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051110.D

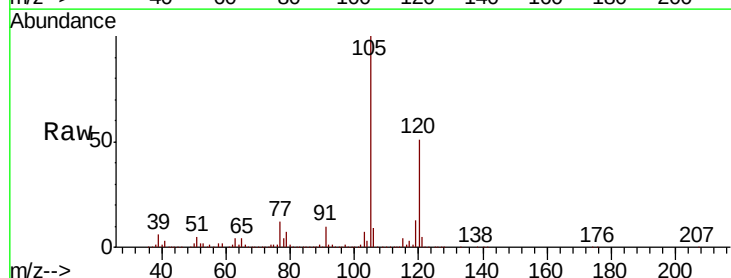
Acq: 11 Sep 2018 7:56

Tgt Ion:105 Resp: 1523635

Ion Ratio Lower Upper

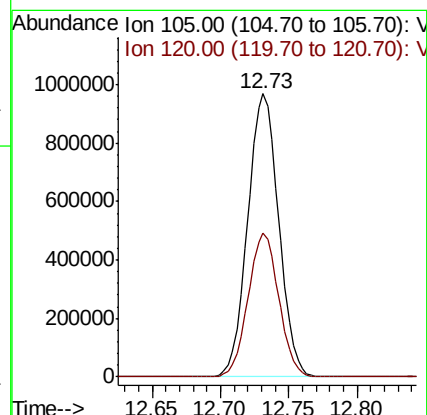
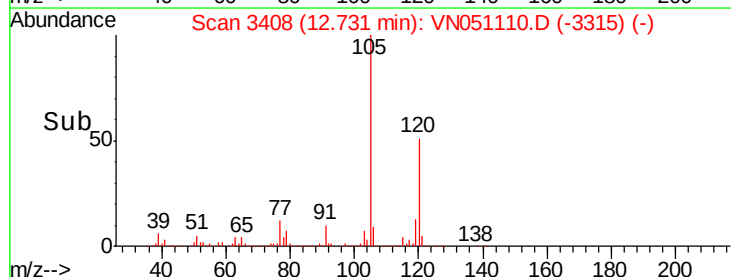
105 100

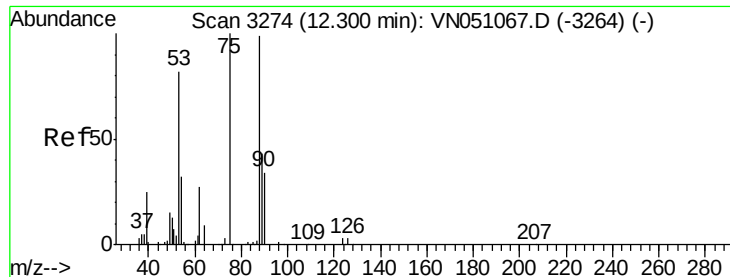
120 50.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051110.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN051110.D (-3315) (-)





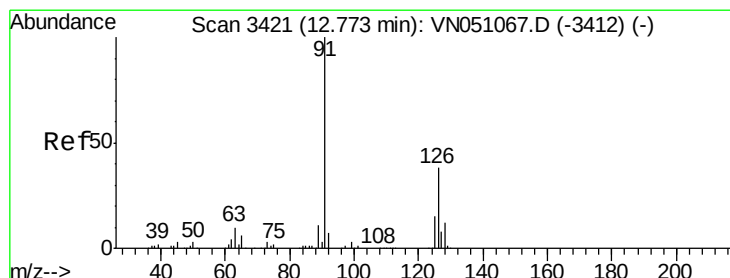
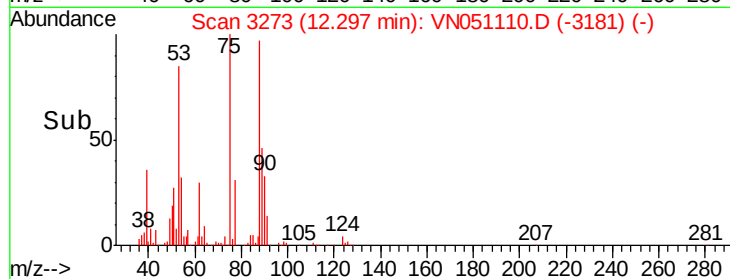
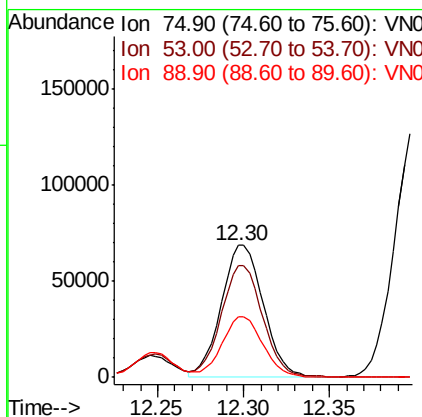
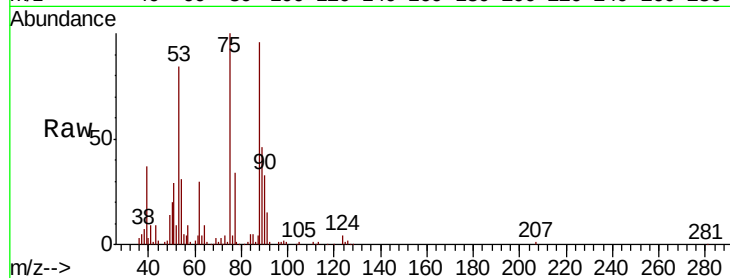
#81
trans-1,4-Dichloro-2-butene
Concen: 48.23 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.0	67.8	101.8
89	44.8	36.0	54.0

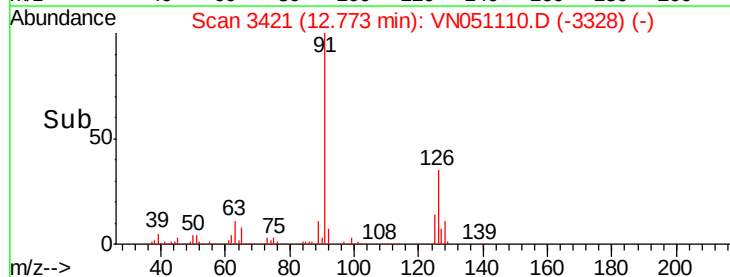
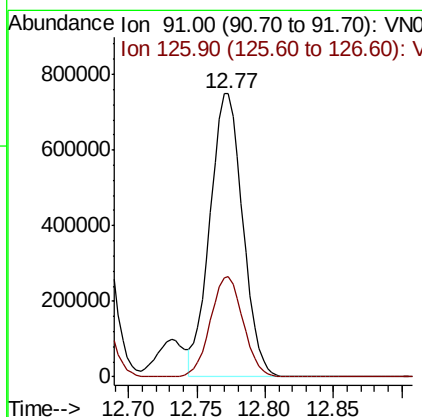
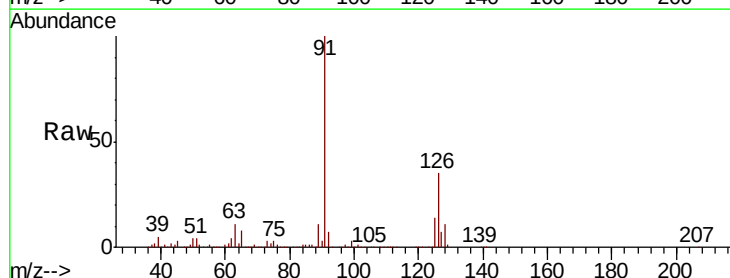
Manual Integrations
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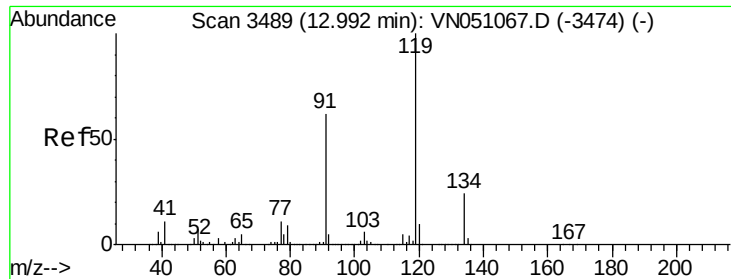
MMDadoda
9/12/2018 10:06:37 AM



#82
4-Chlorotoluene
Concen: 47.27 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.6	52.8





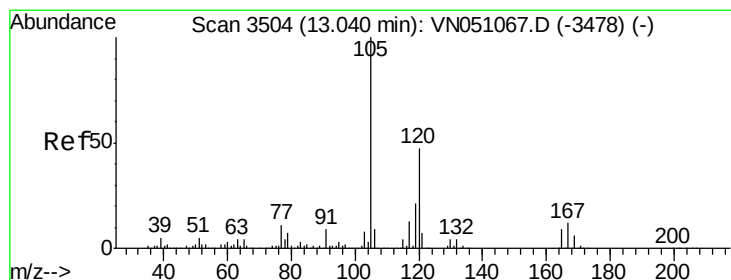
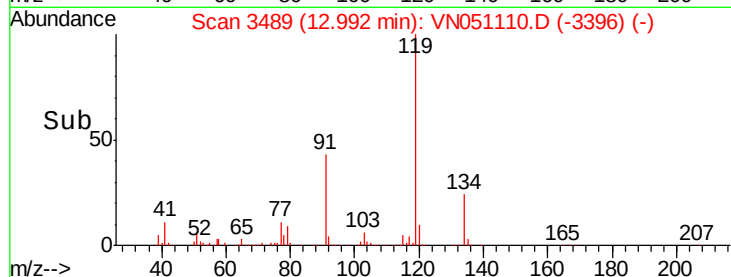
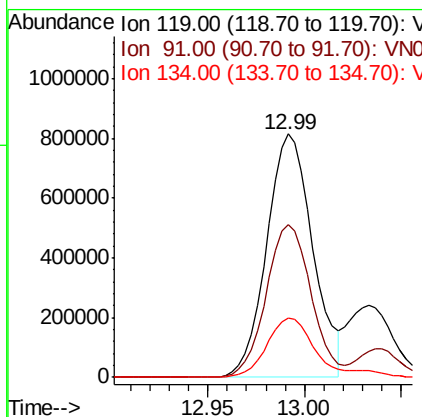
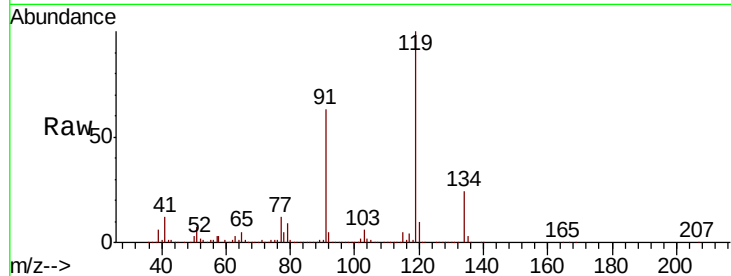
#83
 tert-Butylbenzene
 Concen: 48.73 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1349008
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.8 92.3
 134 24.5 13.2 39.6

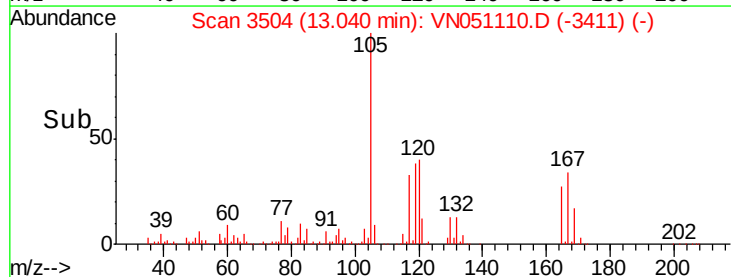
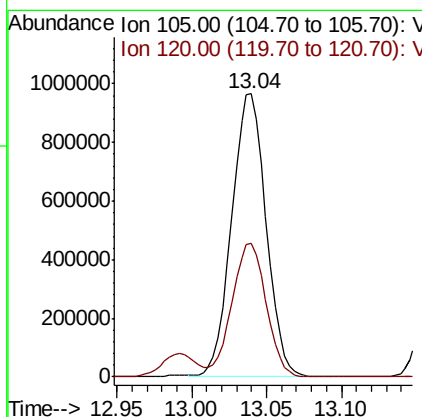
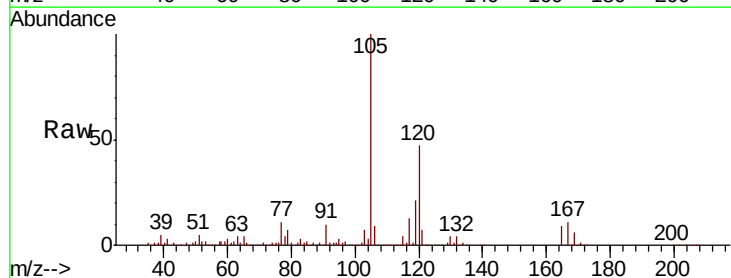
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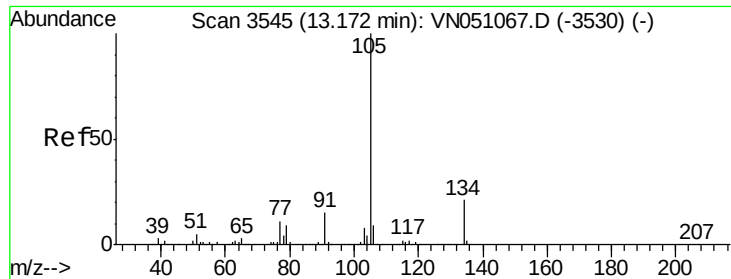
MMDadoda
 9/12/2018 10:06:37 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.13 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Tgt Ion:105 Resp: 1545679
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.3 69.8





#85

sec-Butylbenzene

Concen: 49.00 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1739560

Ion Ratio Lower Upper

105 100

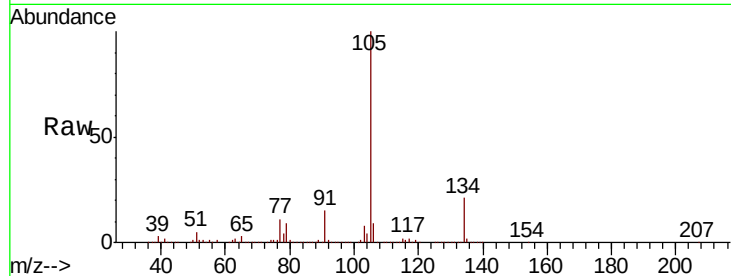
134 20.9 10.4 31.4

Manual Integrations

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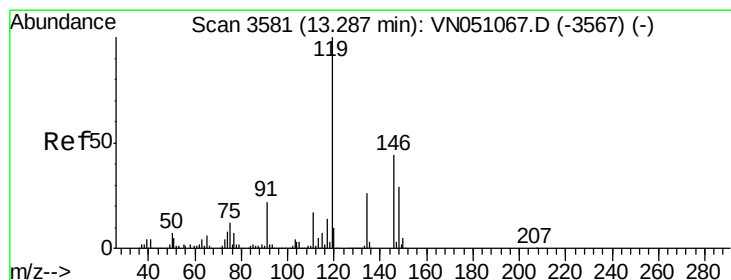
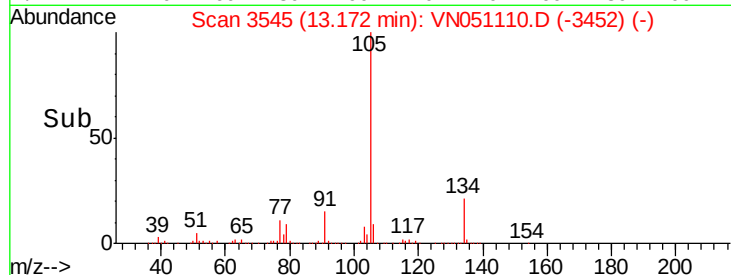
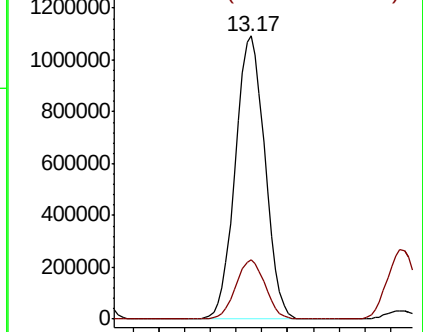
MMDadoda

9/12/2018 10:06:37 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.67 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

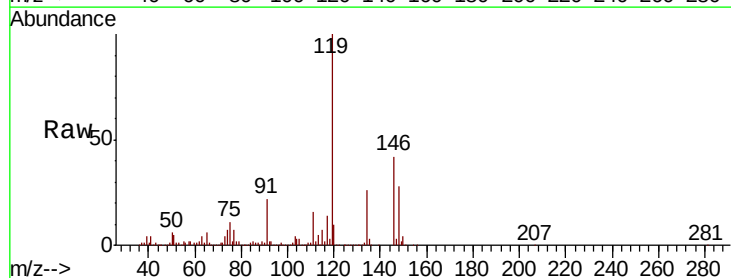
Tgt Ion:119 Resp: 1555309

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

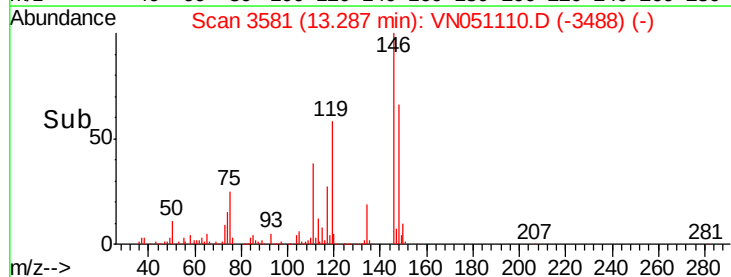
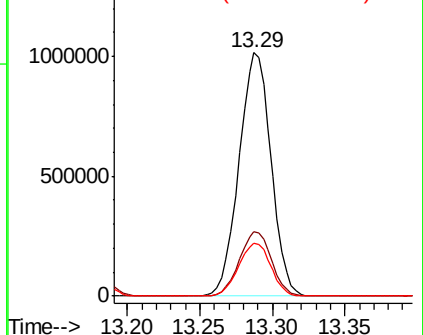
91 21.9 10.9 32.9

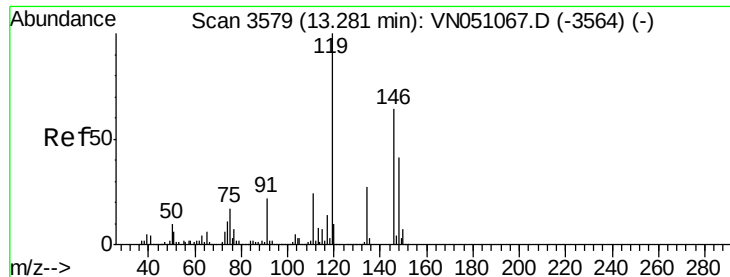


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





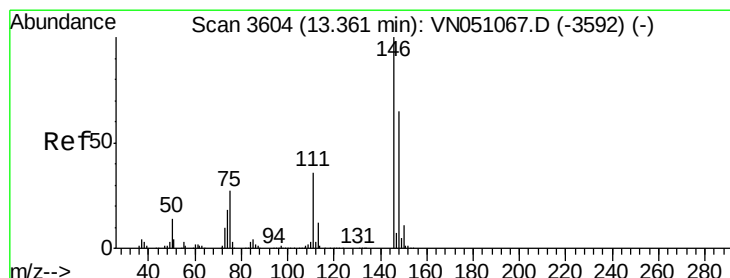
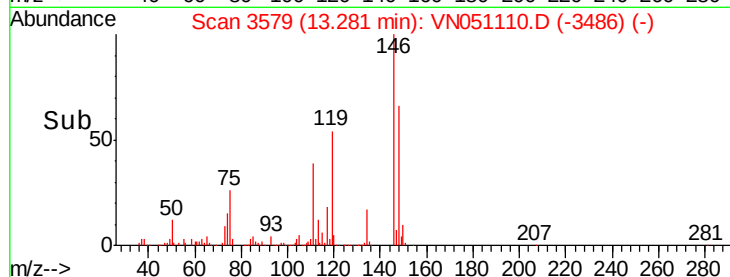
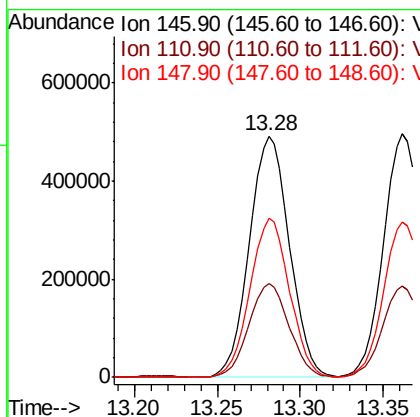
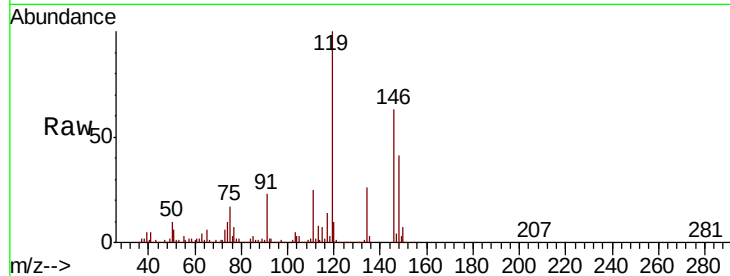
#87
 1,3-Dichlorobenzene
 Concen: 46.68 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	64.9	32.2	96.6

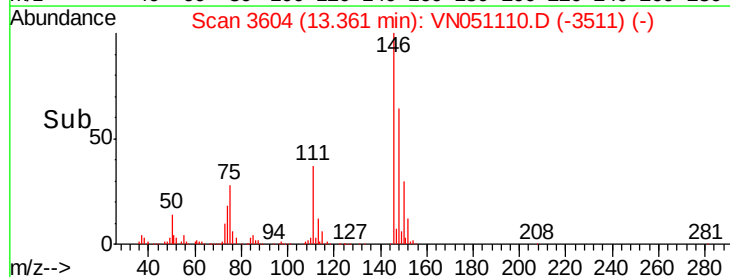
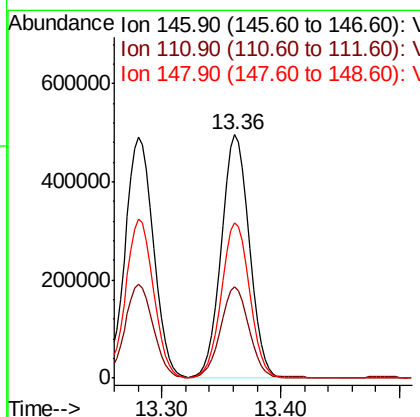
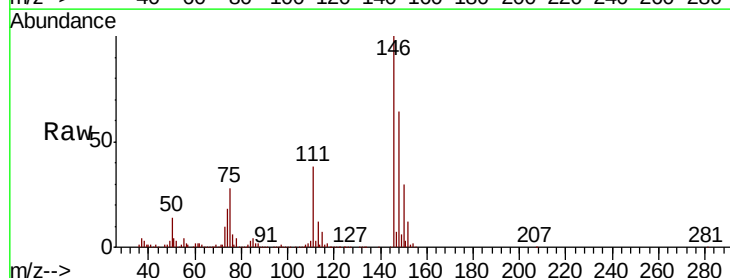
Manual Integrations
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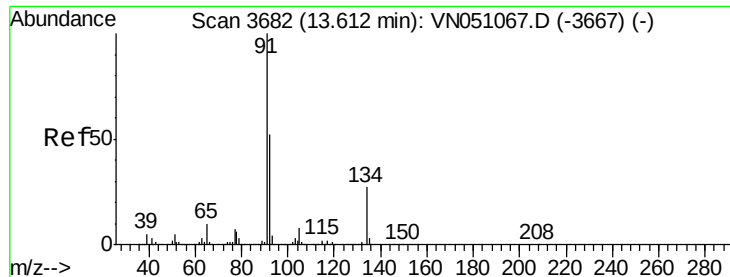
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#88
 1,4-Dichlorobenzene
 Concen: 49.88 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.0
148	64.2	32.2	96.6





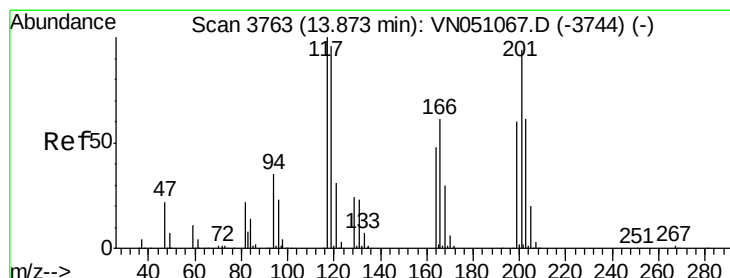
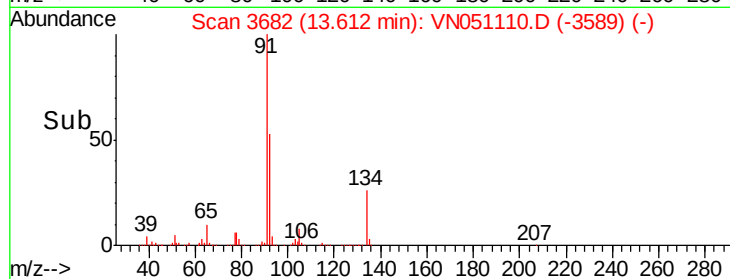
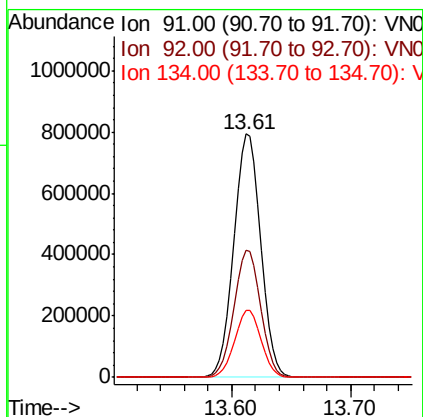
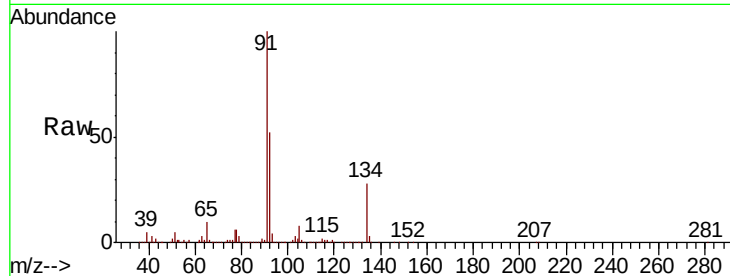
#89
n-Butylbenzene
Concen: 52.90 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.6
134	27.3	13.7	41.1

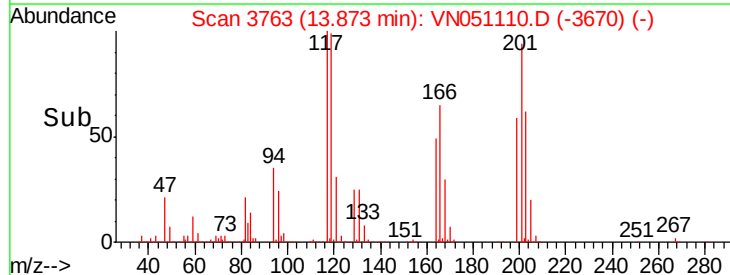
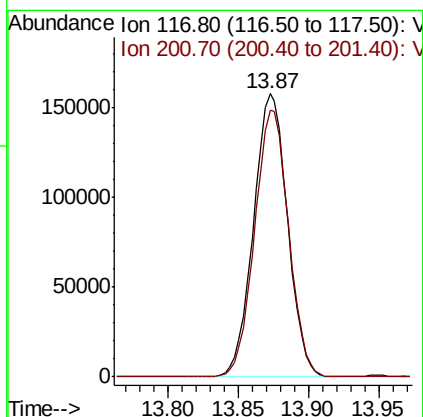
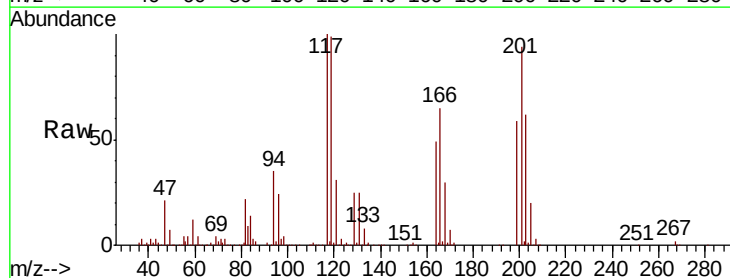
Manual Integrations
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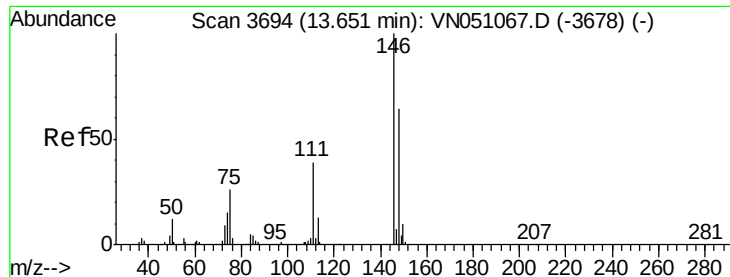
MMDadoda
9/12/2018 10:06:37 AM



#90
Hexachloroethane
Concen: 48.51 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051110.D
Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.0	47.3	142.0





#91

1,2-Dichlorobenzene

Concen: 46.05 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

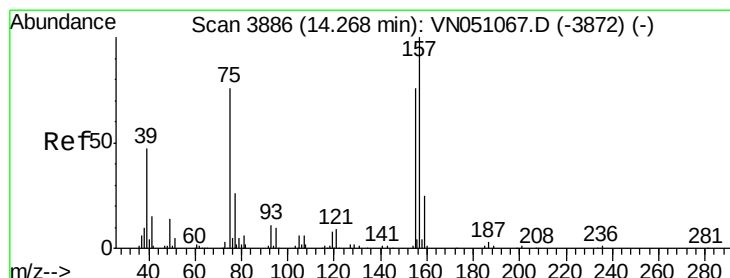
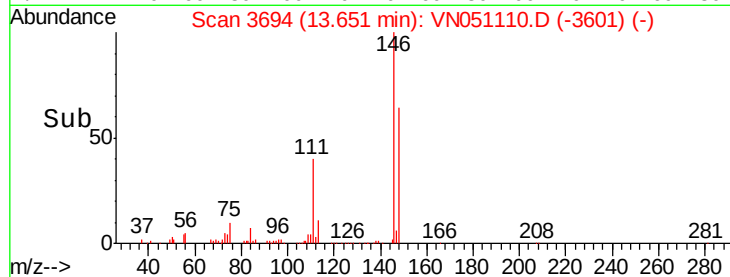
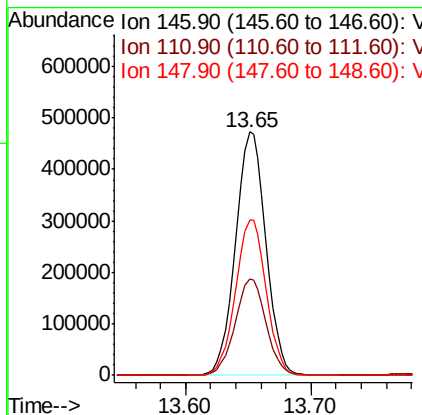
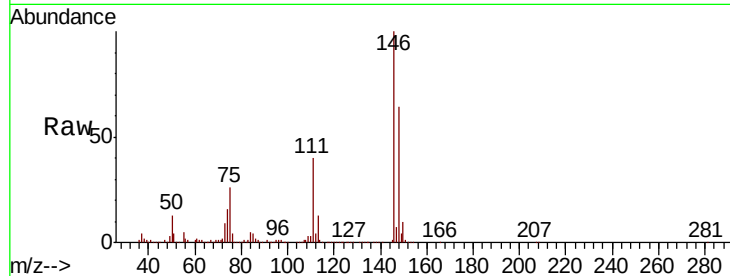
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	793128
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.7	59.0
148	64.2	32.1	96.3

Manual Integrations
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MMDadoda
9/12/2018 10:06:37 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.65 ug/l

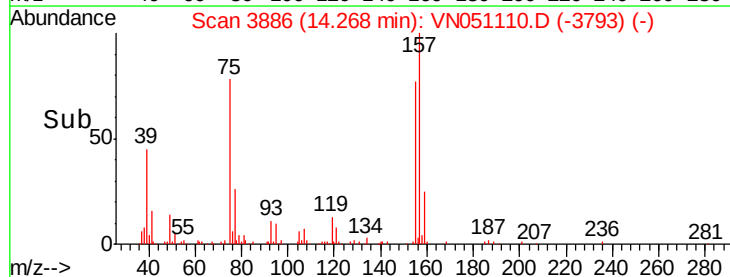
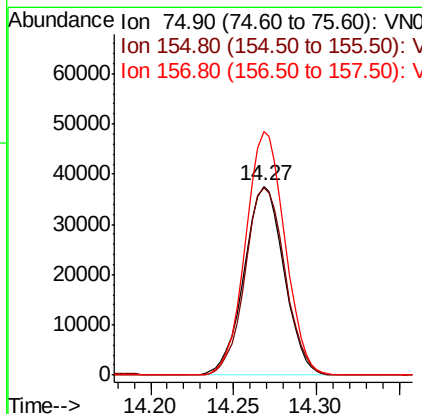
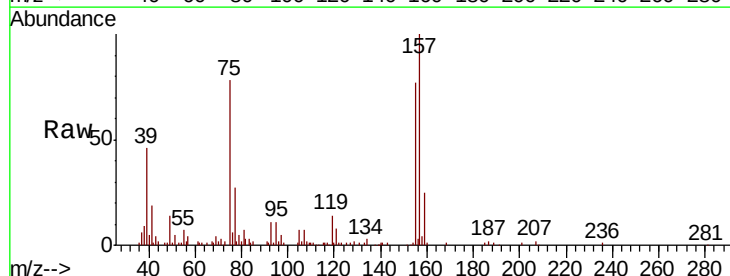
RT: 14.27 min Scan# 3886

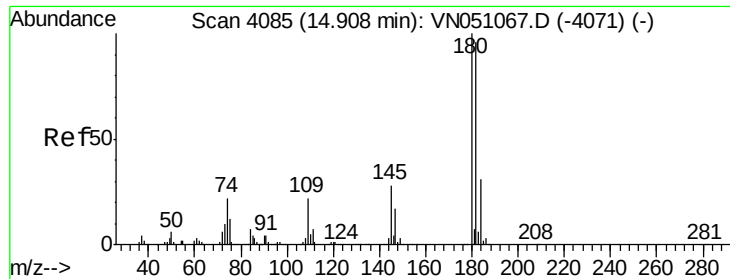
Delta R.T. 0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Tgt Ion:	75	Resp:	63073
Ion Ratio	Lower	Upper	
75	100		
155	98.8	48.7	146.1
157	126.5	63.6	190.9





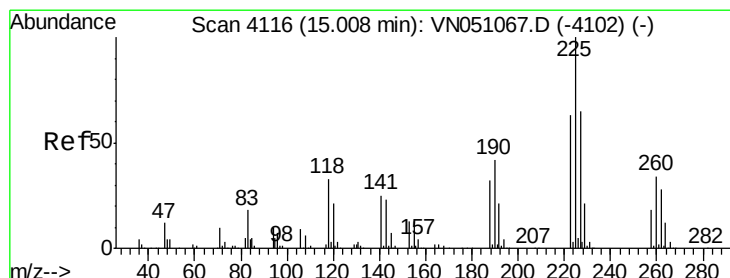
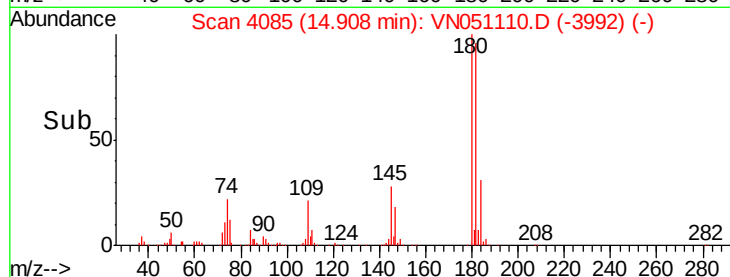
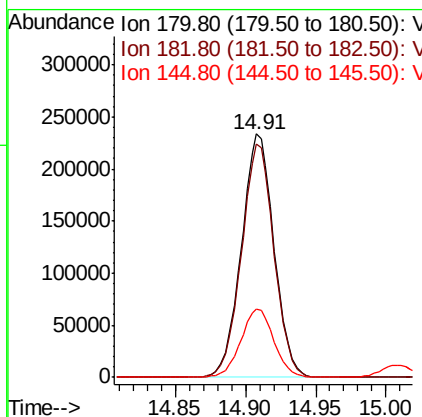
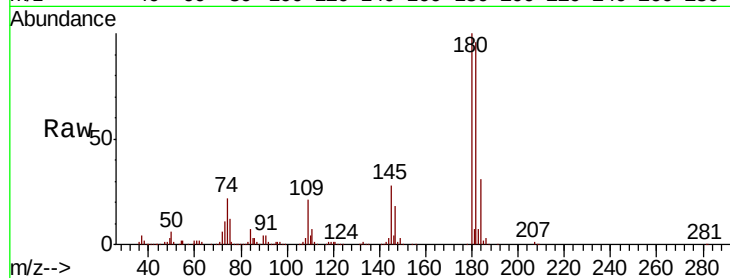
#93
 1,2,4-Trichlorobenzene
 Concen: 45.72 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.3	141.8	
145	28.4	14.2	42.6	

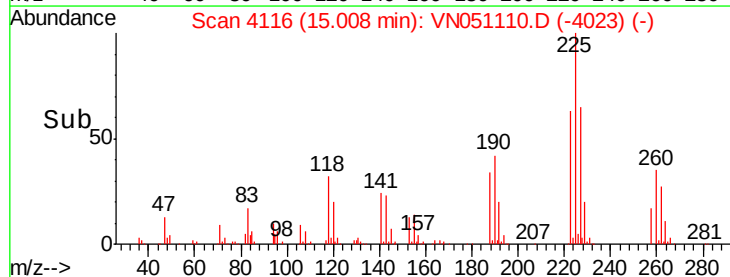
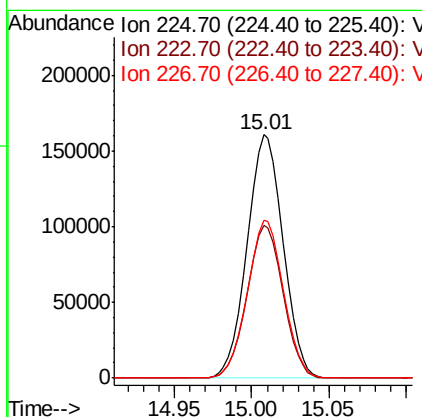
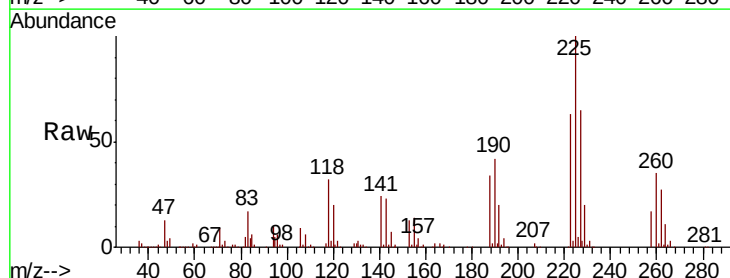
Manual Integrations
 APPROVED

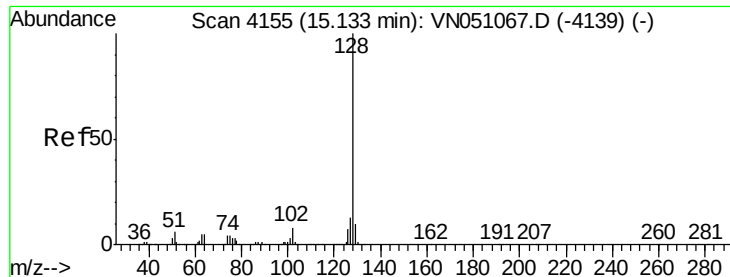
MMDadoda
 9/12/2018 10:06:37 AM



#94
 Hexachlorobutadiene
 Concen: 52.16 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051110.D
 Acq: 11 Sep 2018 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.4	94.0	
227	64.8	32.1	96.3	





#95

Naphthalene

Concen: 42.57 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Instrument :

MSVOA_N

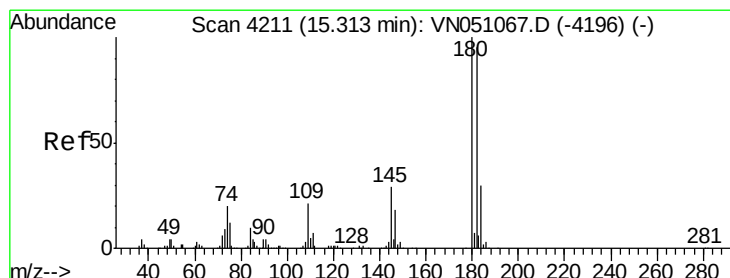
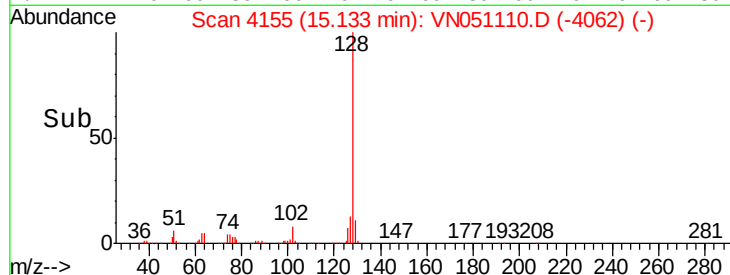
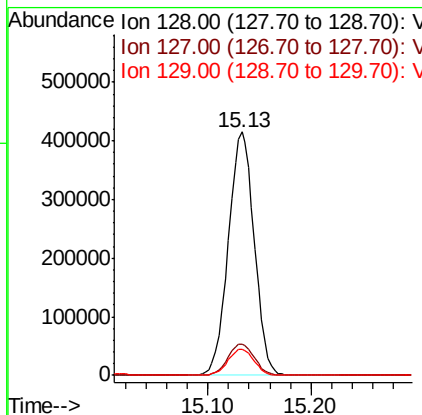
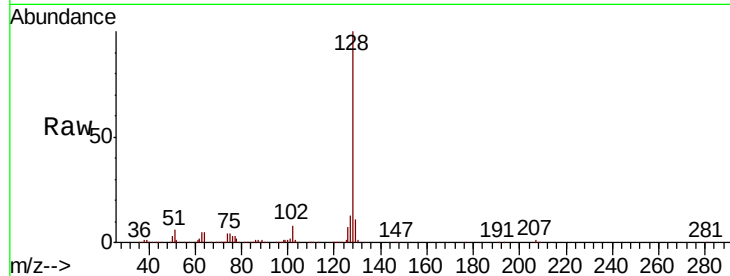
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	724885
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/12/2018 10:06:37 AM



#96

1,2,3-Trichlorobenzene

Concen: 45.92 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051110.D

Acq: 11 Sep 2018 7:56

Tgt Ion:	180	Resp:	363056
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.8	143.3
145	29.9	14.6	43.8

