

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050740.D
 Acq On : 18 Aug 2018 00:02
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:53:19 AM

Quant Time: Aug 18 04:31:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	479909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	756551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	708417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	352976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	383955	63.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.94%	
35) Dibromofluoromethane	7.59	113	346198	57.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.64%	
50) Toluene-d8	10.09	98	1168687	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.40	95	390773	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	190987	35.30	ug/l	98
3) Chloromethane	2.06	50	351549	53.36	ug/l	100
4) Vinyl Chloride	2.18	62	311265	43.31	ug/l	99
5) Bromomethane	2.56	94	198240	51.38	ug/l	96
6) Chloroethane	2.70	64	217423	54.58	ug/l	99
7) Trichlorofluoromethane	3.01	101	377199	40.00	ug/l	100
8) Diethyl Ether	3.41	74	196296	62.58	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	226157	39.66	ug/l	99
10) Methyl Iodide	3.95	142	202222	49.90	ug/l	99
11) Tert butyl alcohol	4.80	59	122549	371.01	ug/l	99
12) 1,1-Dichloroethene	3.73	96	236629	45.44	ug/l	97
13) Acrolein	3.61	56	29954	237.52	ug/l	99
14) Allyl chloride	4.32	41	435984	53.83	ug/l	98
15) Acrylonitrile	4.99	53	619565	341.52	ug/l	99
16) Acetone	3.82	43	533397	353.74	ug/l	100
17) Carbon Disulfide	4.05	76	708078	43.21	ug/l	100
18) Methyl Acetate	4.33	43	321090	76.09	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	893519	67.42	ug/l	100
20) Methylene Chloride	4.55	84	359547	62.86	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	295007	52.26	ug/l	99
22) Diisopropyl ether	5.96	45	1066992	64.25	ug/l	99
23) Vinyl Acetate	5.90	43	3615360	332.80	ug/l	99
24) 1,1-Dichloroethane	5.85	63	591782	55.07	ug/l	100
25) 2-Butanone	6.84	43	867391	349.72	ug/l	100
26) 2,2-Dichloropropane	6.83	77	308173	42.85	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	357770	56.91	ug/l	98
28) Bromochloromethane	7.20	49	316662	64.75	ug/l	99
29) Tetrahydrofuran	7.22	42	468816	362.01	ug/l	99
30) Chloroform	7.37	83	613806	56.37	ug/l	99
31) Cyclohexane	7.66	56	358481	39.02	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	441966	48.22	ug/l	98
36) 1,1-Dichloropropene	7.80	75	370697	44.02	ug/l	99
37) Ethyl Acetate	6.93	43	313312	65.81	ug/l	99
38) Carbon Tetrachloride	7.78	117	365911	41.88	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	325446	37.33	ug/l	98
40) Benzene	8.04	78	1332443	52.01	ug/l	100
41) Methacrylonitrile	7.18	41	168154	65.34	ug/l	99
42) 1,2-Dichloroethane	8.13	62	449965	57.30	ug/l	100
43) Isopropyl Acetate	8.17	43	553056	63.75	ug/l	100
44) Trichloroethene	8.84	130	322409	46.98	ug/l	98
45) 1,2-Dichloropropane	9.12	63	376965	55.27	ug/l	100
46) Dibromomethane	9.21	93	231966	57.60	ug/l	97
47) Bromodichloromethane	9.40	83	479391	55.69	ug/l	99
48) Methyl methacrylate	9.20	41	274745	62.94	ug/l	99
49) 1,4-Dioxane	9.20	88	76246	1325.82	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1968967	335.58	ug/l	99
52) Toluene	10.16	92	787495	51.48	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	453571	56.57	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	515367	56.03	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	332221	58.13	ug/l	100
56) Ethyl methacrylate	10.43	69	419474	57.25	ug/l	99
57) 1,3-Dichloropropane	10.71	76	551180	58.83	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1033263	293.98	ug/l	100
59) 2-Hexanone	10.75	43	1298939	343.01	ug/l	99
60) Dibromochloromethane	10.90	129	367898	58.33	ug/l	100
61) 1,2-Dibromoethane	11.01	107	326399	59.97	ug/l	100
64) Tetrachloroethene	10.63	164	280694	42.67	ug/l	99
65) Chlorobenzene	11.44	112	870705	49.39	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	348696	52.76	ug/l	99
67) Ethyl Benzene	11.51	91	1360071	47.78	ug/l	100
68) m/p-Xylenes	11.62	106	1064004	97.72	ug/l	99
69) o-Xylene	11.95	106	526172	50.68	ug/l	100
70) Styrene	11.97	104	905012	49.03	ug/l	99
71) Bromoform	12.13	173	257744	58.81	ug/l #	100
73) Isopropylbenzene	12.25	105	1274797	46.22	ug/l	100
74) N-amyl acetate	12.07	43	447482	62.37	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	422239	66.72	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	341914m	60.16	ug/l	
77) Bromobenzene	12.53	156	381623	50.97	ug/l	97
78) n-propylbenzene	12.59	91	1425621	46.36	ug/l	99
79) 2-Chlorotoluene	12.68	91	929714	48.49	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1089182	49.33	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	91230	57.46	ug/l	99
82) 4-Chlorotoluene	12.77	91	943463	49.80	ug/l	100
83) tert-Butylbenzene	12.99	119	884169	46.13	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1133243	51.13	ug/l	99
85) sec-Butylbenzene	13.17	105	1117366	44.61	ug/l	100
86) p-Isopropyltoluene	13.29	119	1002961	47.26	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	629462	49.38	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	616757	48.75	ug/l	99
89) n-Butylbenzene	13.62	91	743414	43.38	ug/l	99
90) Hexachloroethane	13.88	117	179277	42.01	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	643785	51.77	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61118	62.11	ug/l	98

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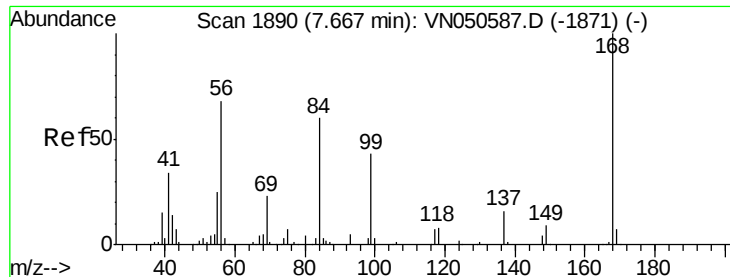
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	284011	44.80	ug/l	100
94) Hexachlorobutadiene	15.01	225	153994	40.39	ug/l	98
95) Naphthalene	15.13	128	671034	49.47	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	293173	49.21	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 479909

Ion Ratio Lower Upper

168 100

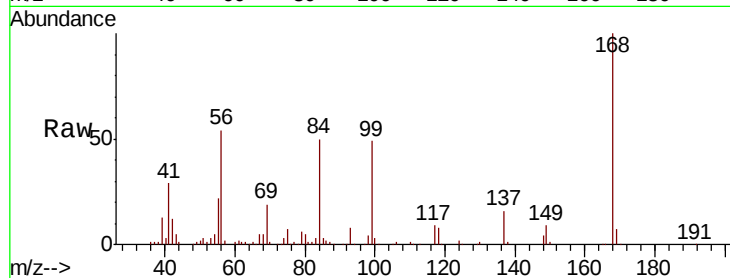
99 49.2 40.8 61.2

Manual Integrations

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8/20/2018 10:53:19 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

100000

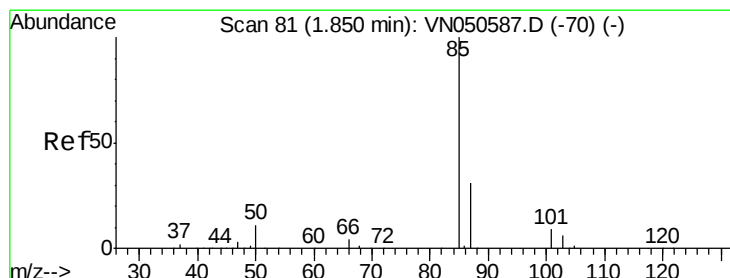
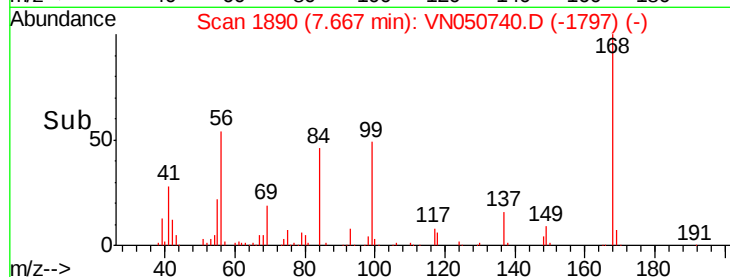
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 35.30 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050740.D

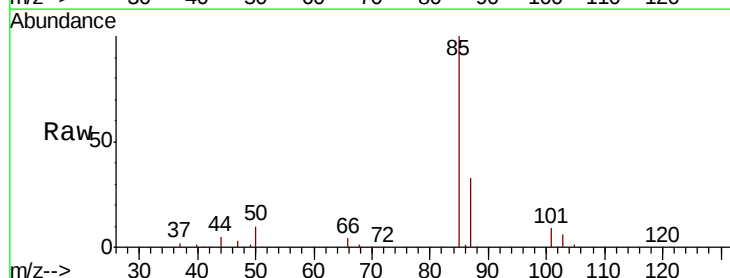
Acq: 18 Aug 2018 00:02

Tgt Ion: 85 Resp: 190987

Ion Ratio Lower Upper

85 100

87 32.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

100000

50000

0

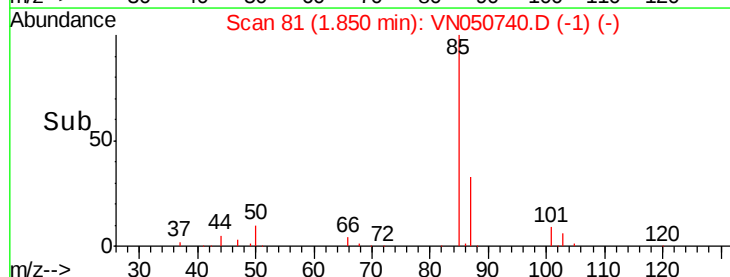
1.80

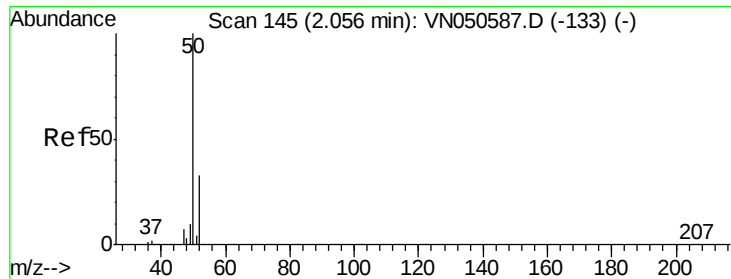
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 53.36 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 351549

Ion Ratio Lower Upper

50 100

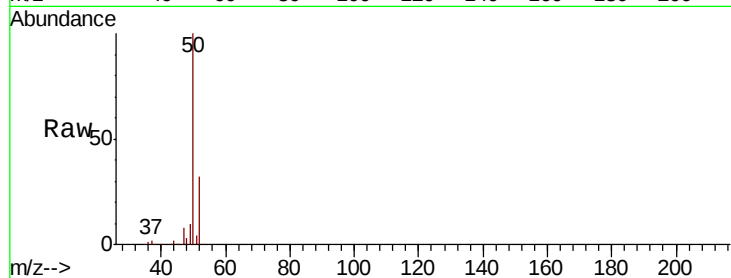
52 32.5 26.0 39.0

Manual Integrations

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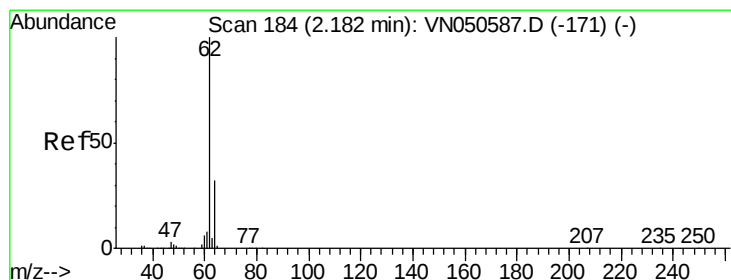
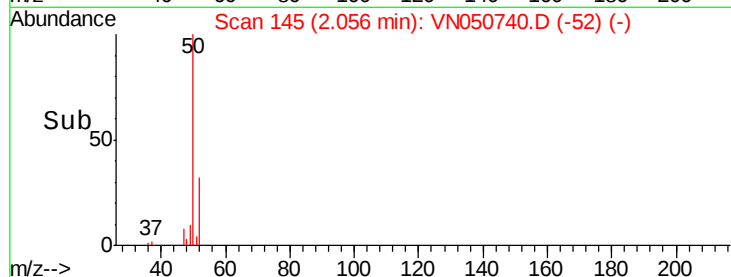
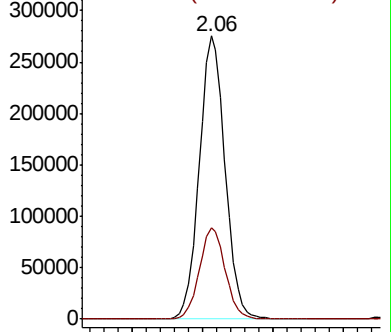
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 43.31 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050740.D

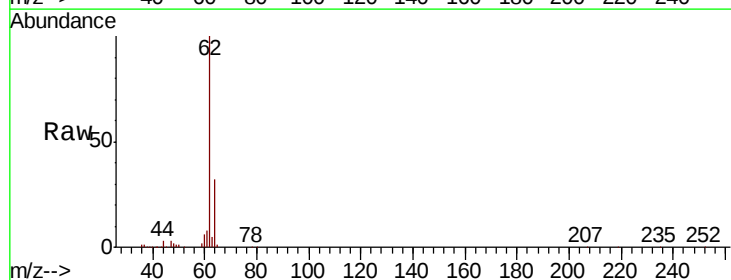
Acq: 18 Aug 2018 00:02

Tgt Ion: 62 Resp: 311265

Ion Ratio Lower Upper

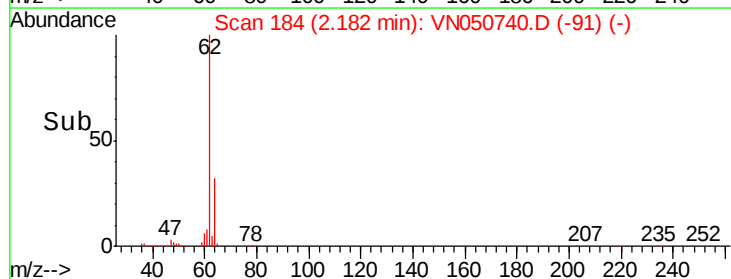
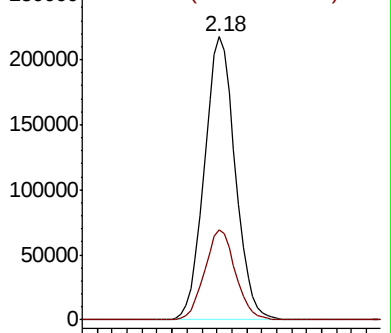
62 100

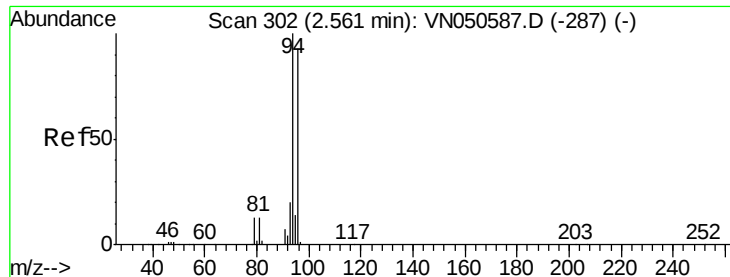
64 32.0 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 51.38 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 198240

Ion Ratio Lower Upper

94 100

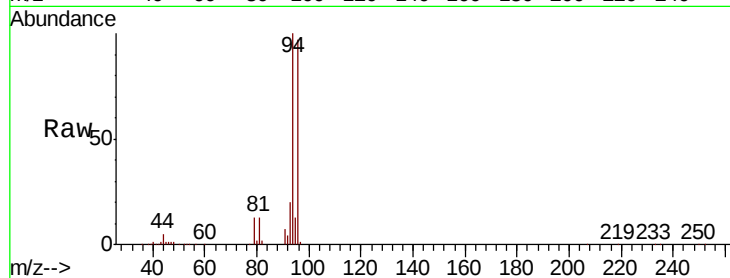
96 96.6 74.0 111.0

Manual Integrations

APPROVED

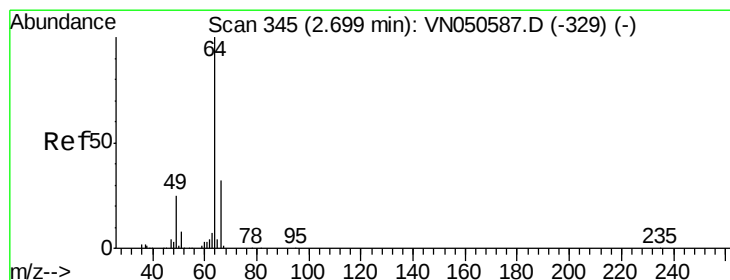
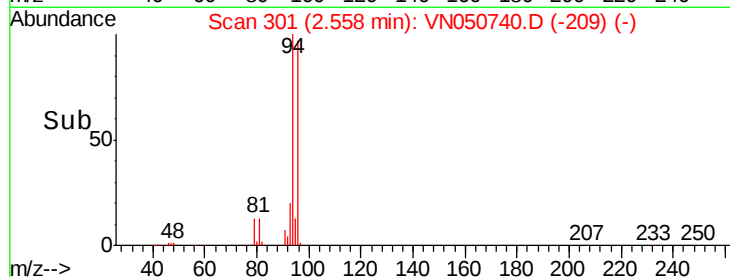
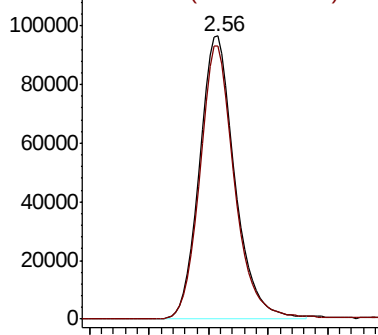
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 54.58 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN050740.D

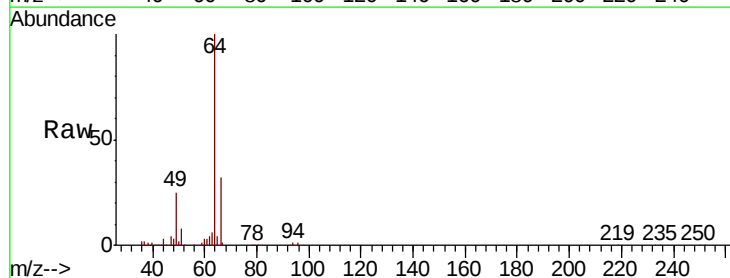
Acq: 18 Aug 2018 00:02

Tgt Ion: 64 Resp: 217423

Ion Ratio Lower Upper

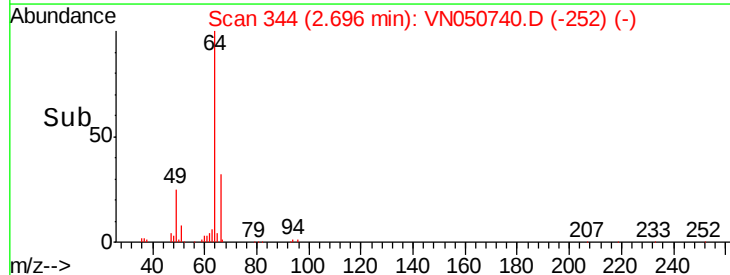
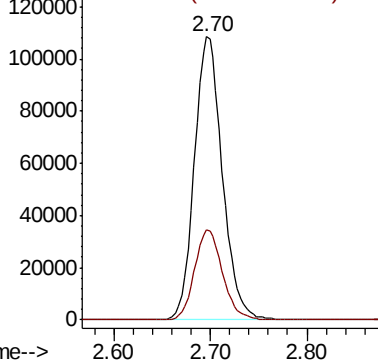
64 100

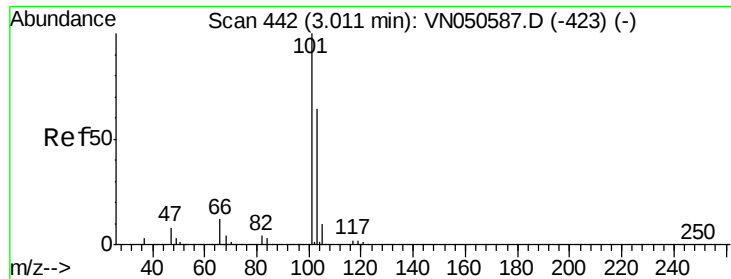
66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

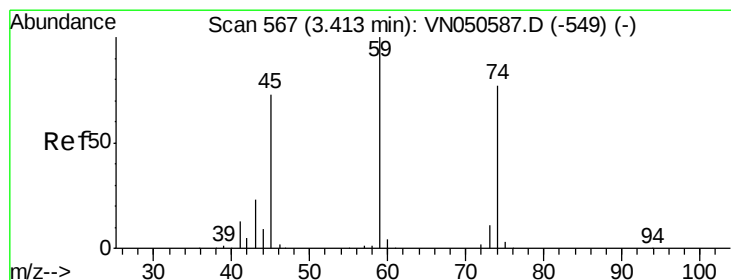
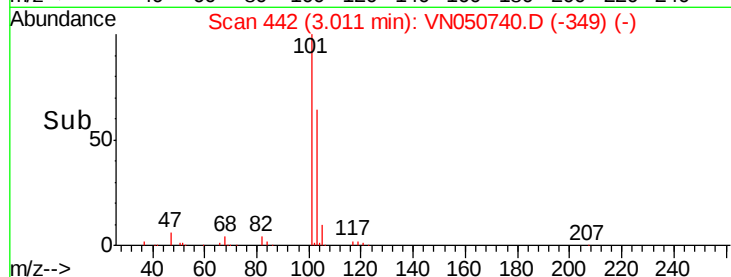
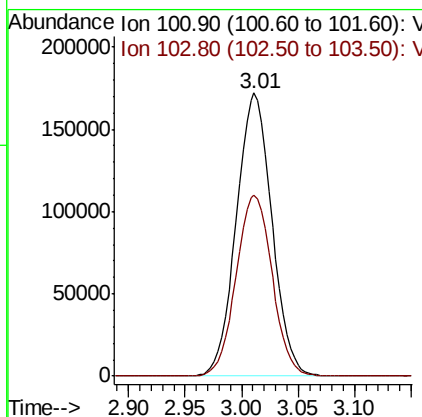
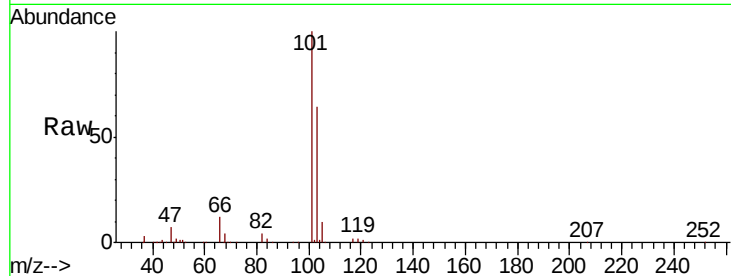
Trichlorofluoromethane
 Concen: 40.00 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.0

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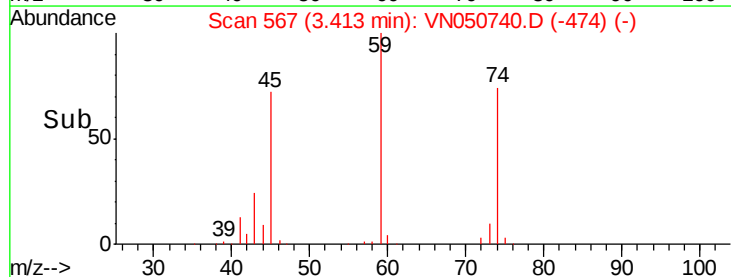
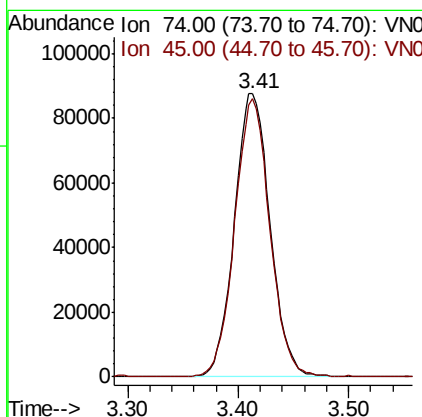
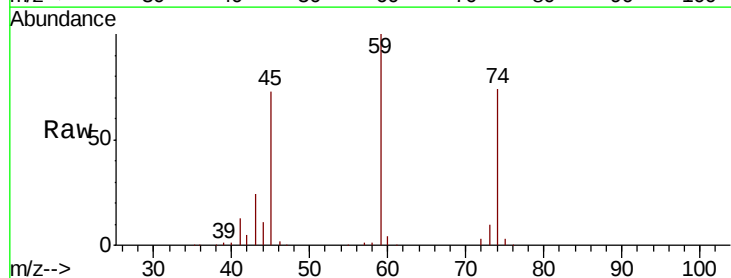
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 8/20/2018 10:53:19 AM

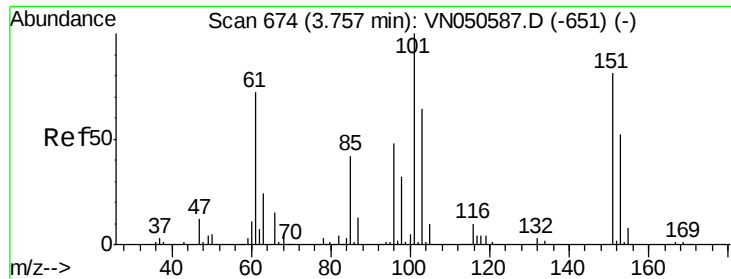


#8

Diethyl Ether
 Concen: 62.58 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.66 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

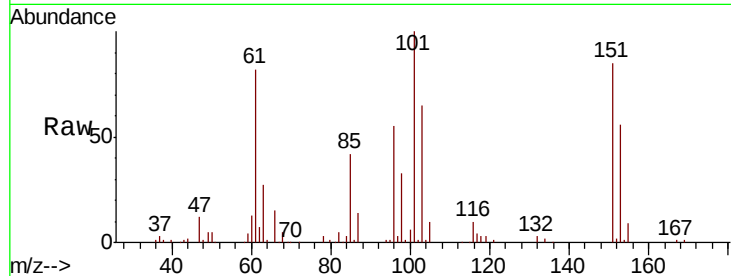
ClientSampled :

VSTDCCC050

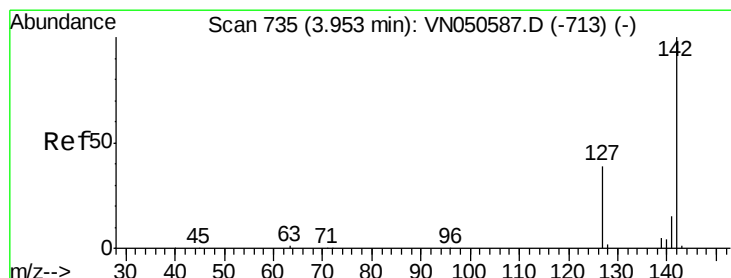
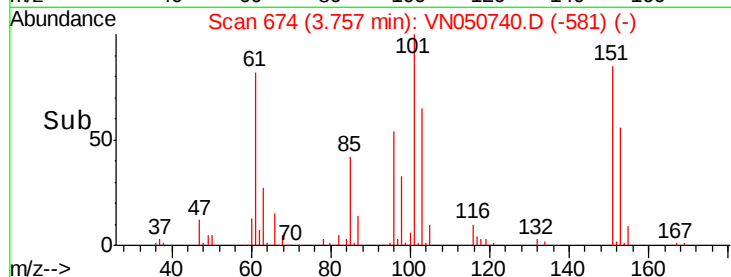
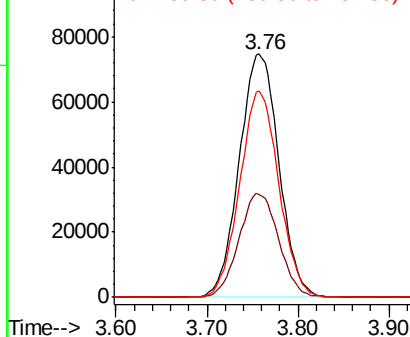
Tot Ion:	101	Resp:	226157
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.4	50.0
151	83.5	66.6	100.0

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:19 AM



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



#10

Methyl Iodide

Concen: 49.90 ug/l

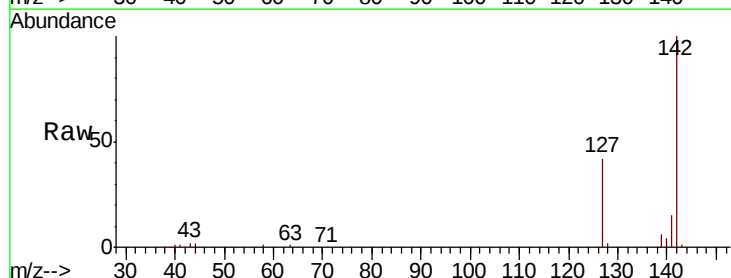
RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

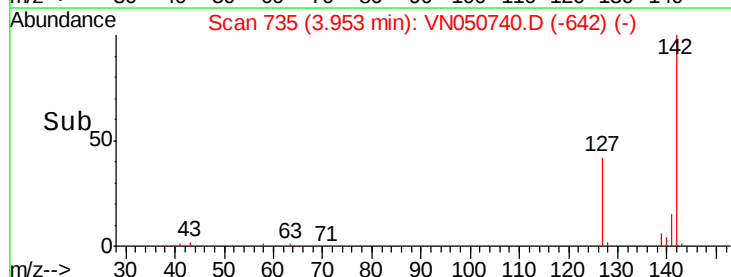
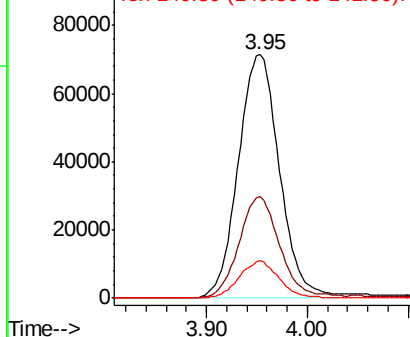
Lab File: VN050740.D

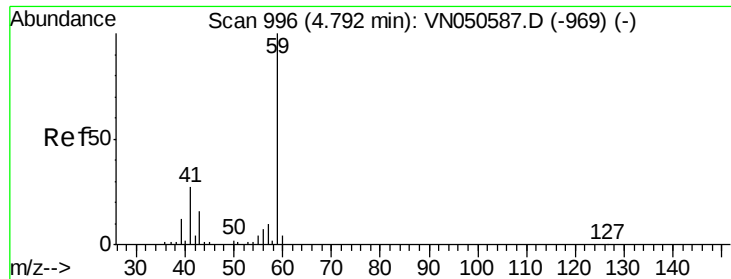
Acq: 18 Aug 2018 00:02

Tgt Ion:	142	Resp:	202222
Ion Ratio	Lower	Upper	
142	100		
127	41.5	32.6	49.0
141	14.9	11.5	17.3



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





#11

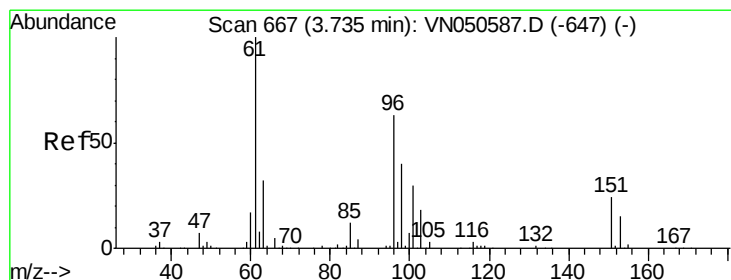
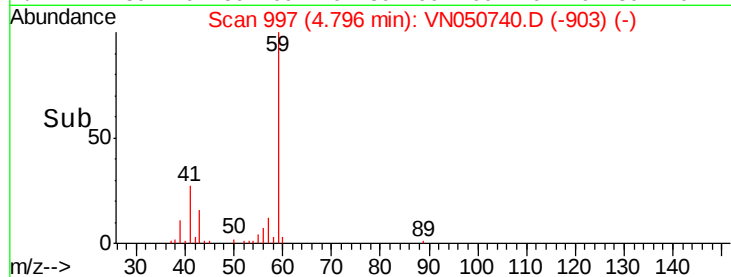
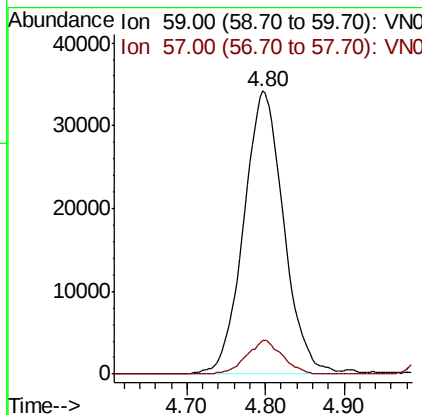
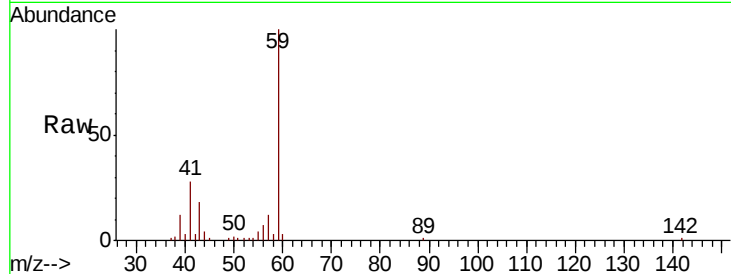
Tert butyl alcohol
 Concen: 371.01 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

Manual Integrations
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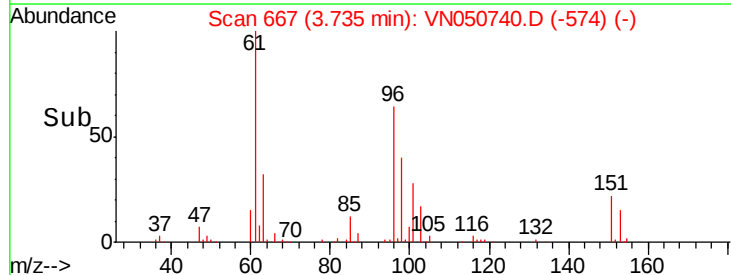
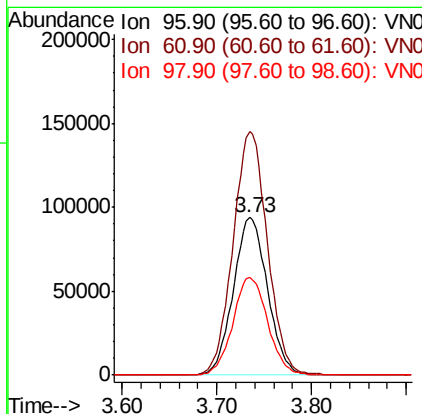
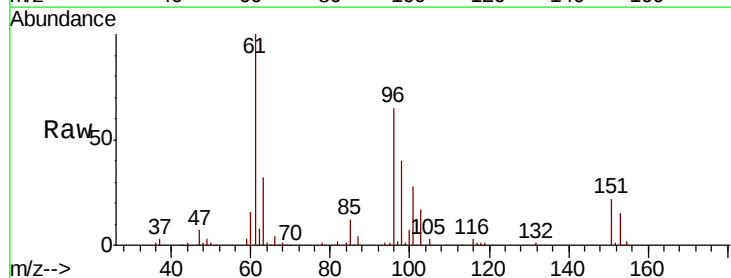
MMDadoda
 8/20/2018 10:53:19 AM

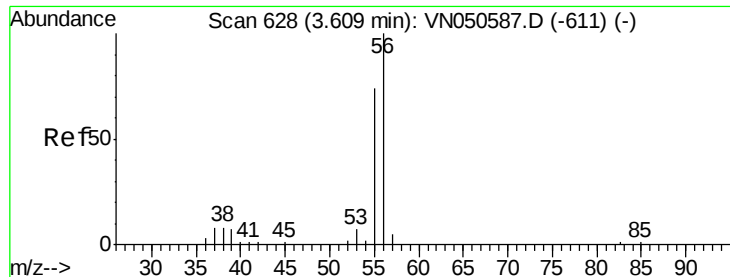


#12

1,1-Dichloroethene
 Concen: 45.44 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.7	126.9	190.3
98	61.8	51.1	76.7





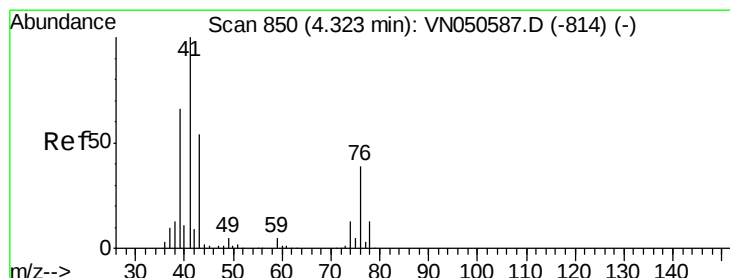
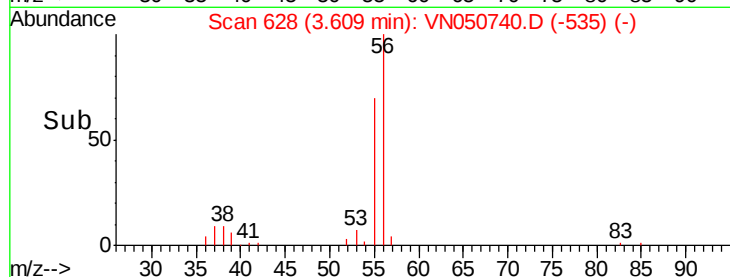
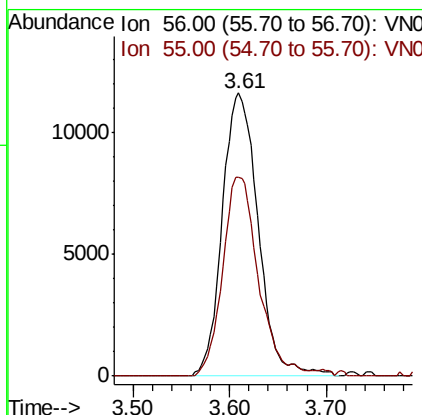
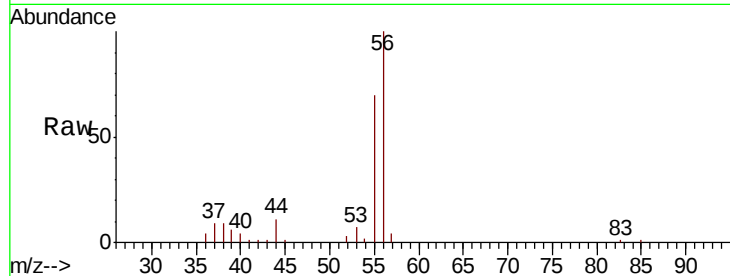
#13
Acrolein
Concen: 237.52 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	56	Resp	29954
Ion Ratio	100	Lower	Upper
56	100		
55	70.0	56.3	84.5

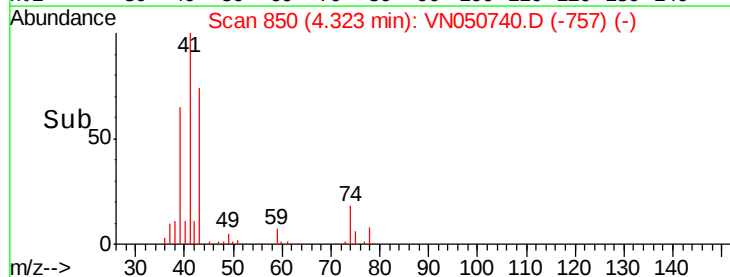
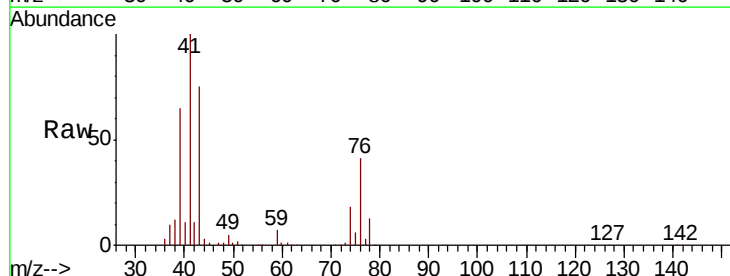
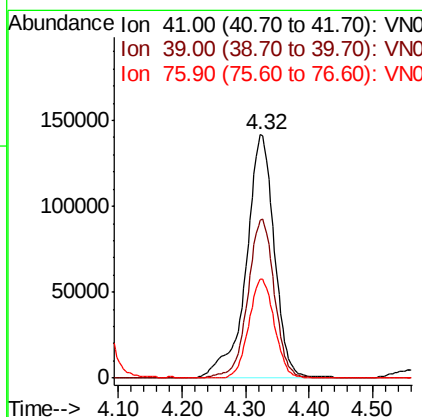
Manual Integrations
APPROVED

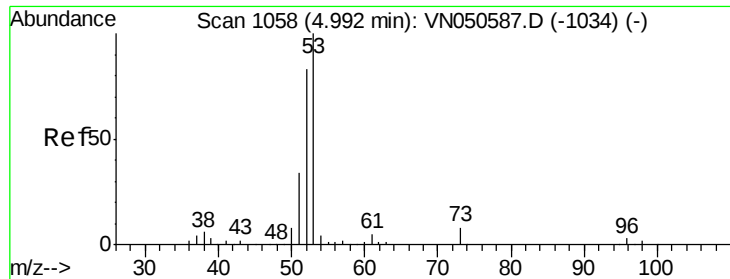
MMDadoda
8/20/2018 10:53:19 AM



#14
Allyl chloride
Concen: 53.83 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion	41	Resp	435984
Ion Ratio	100	Lower	Upper
41	100		
39	61.8	51.4	77.0
76	36.6	29.4	44.0





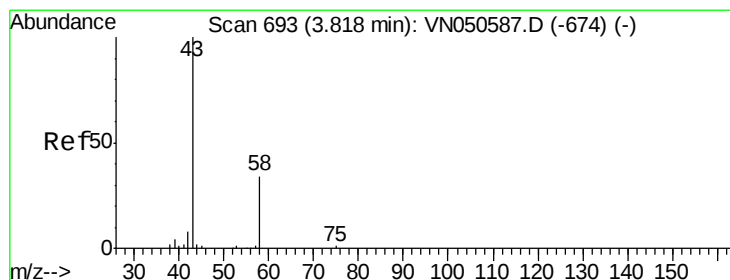
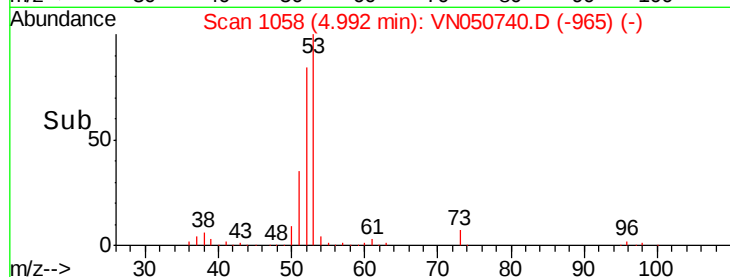
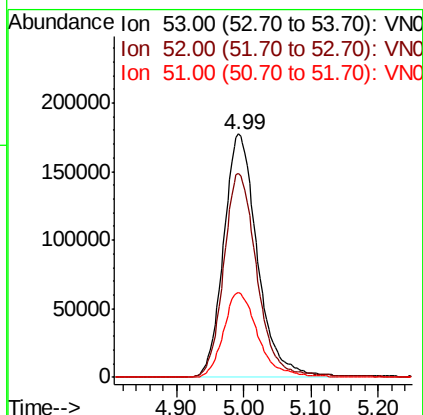
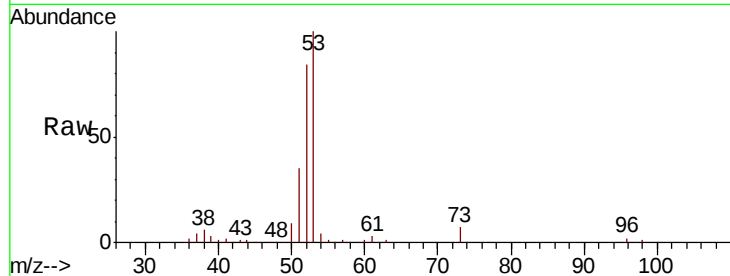
#15
 Acrylonitrile
 Concen: 341.52 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.2
51	35.7	28.6	43.0

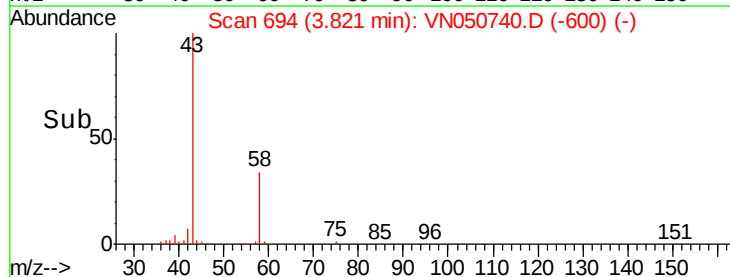
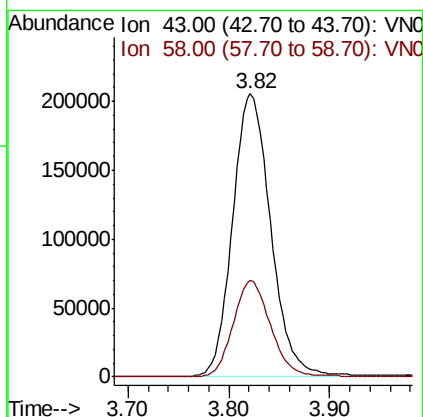
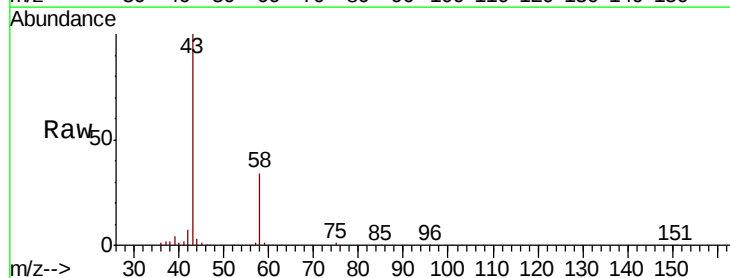
Manual Integrations
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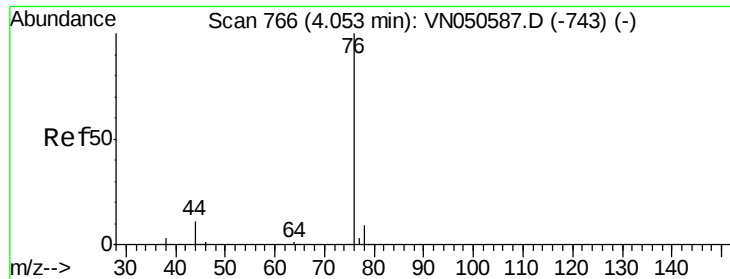
MMDadoda
 8/20/2018 10:53:19 AM



#16
 Acetone
 Concen: 353.74 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.1	40.7





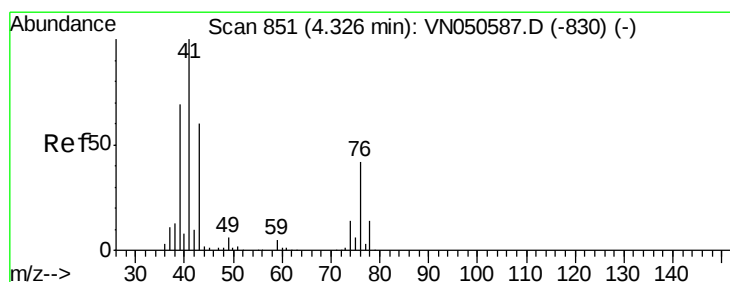
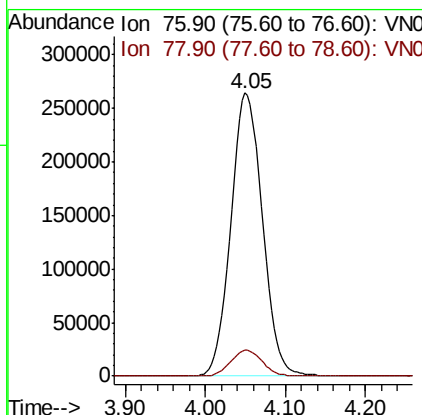
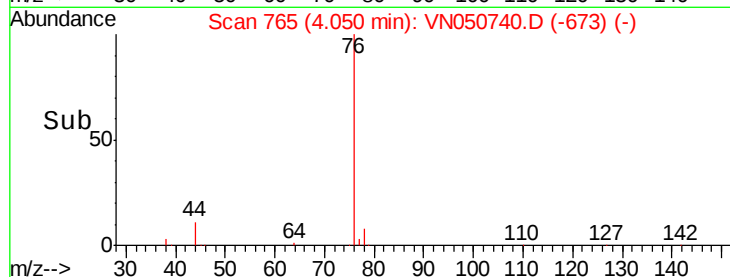
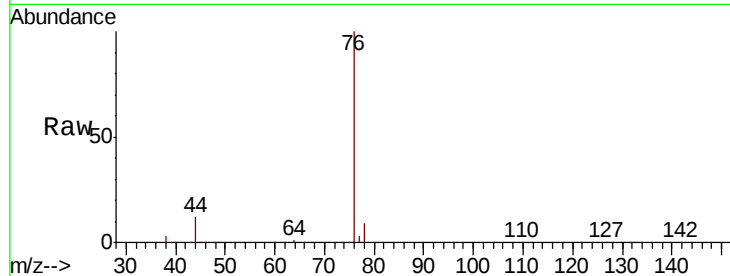
#17
Carbon Disulfide
Concen: 43.21 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

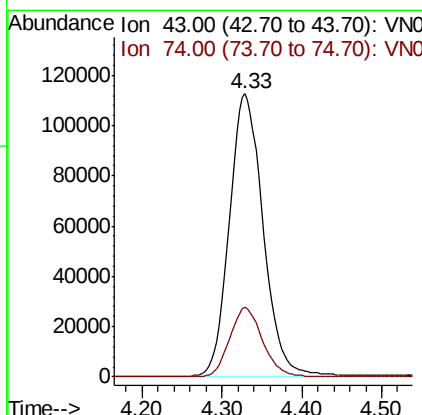
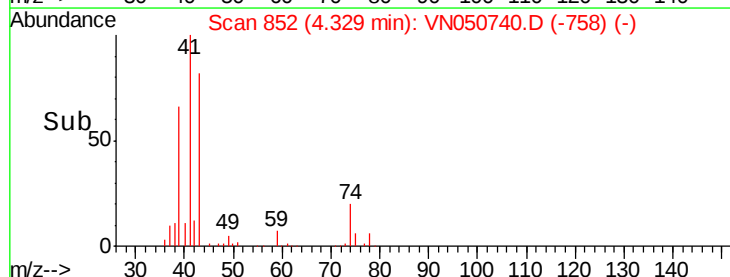
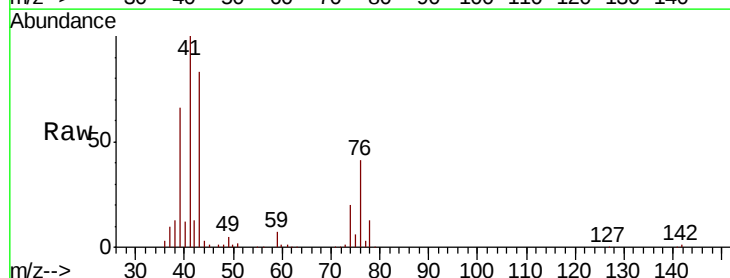
Manual Integrations
APPROVED

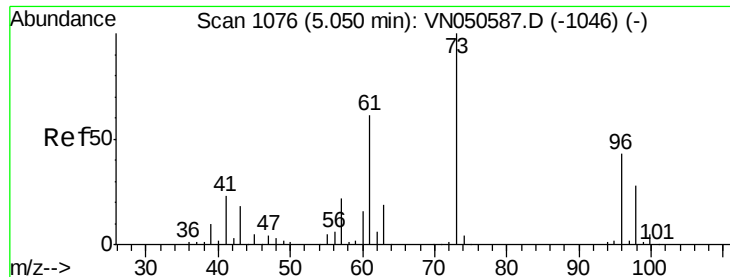
MMDadoda
8/20/2018 10:53:19 AM



#18
Methyl Acetate
Concen: 76.09 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.7	29.5





#19

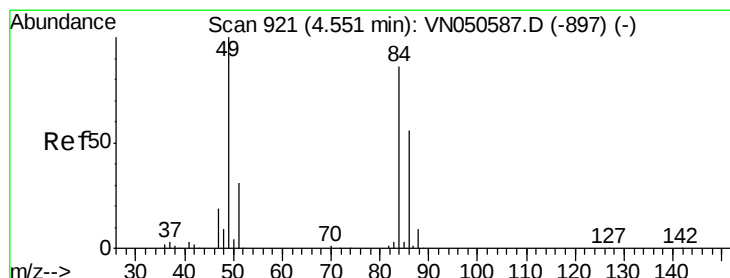
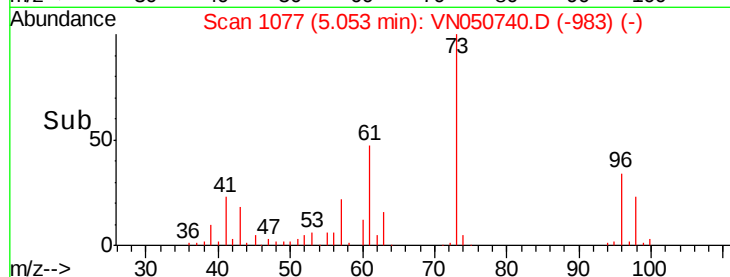
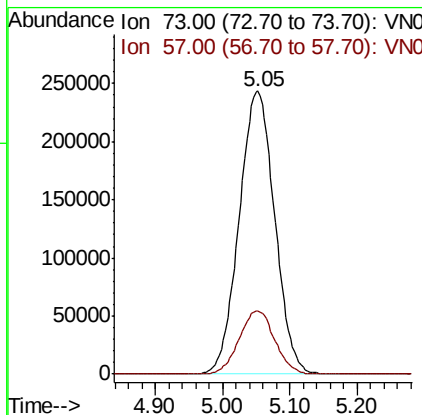
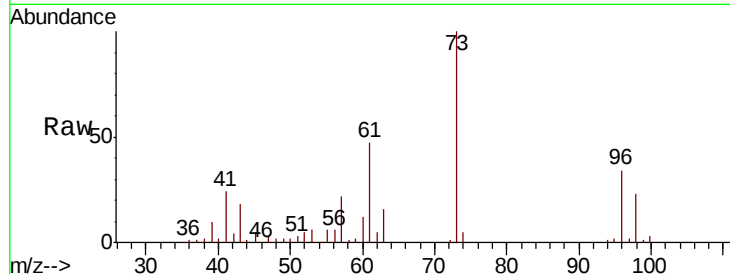
Methyl tert-butyl Ether
 Concen: 67.42 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9

Manual Integrations
 APPROVED

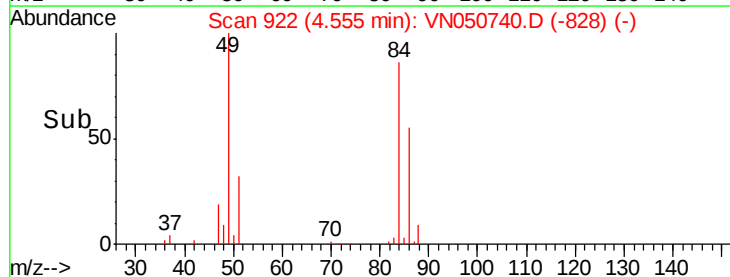
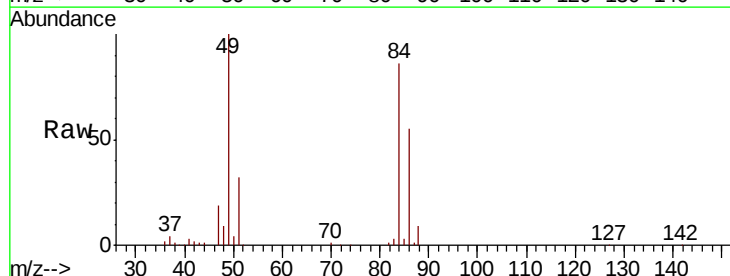
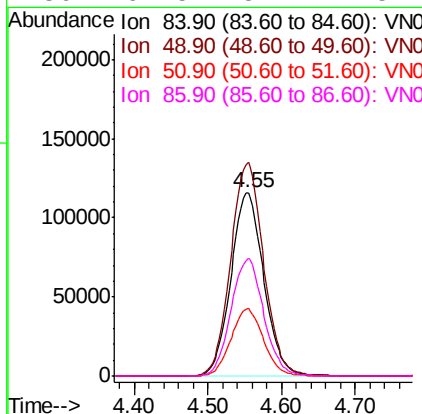
MMDadoda
 8/20/2018 10:53:19 AM

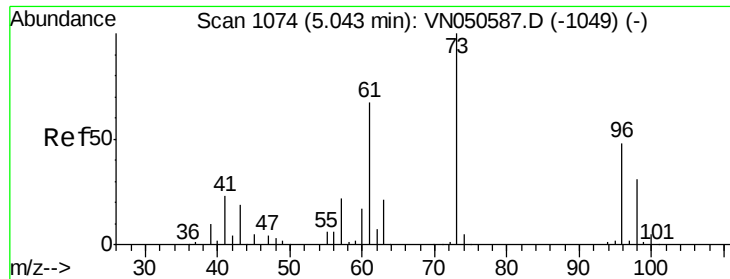


#20

Methylene Chloride
 Concen: 62.86 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.6	92.6	138.8
51	36.8	28.6	43.0
86	64.5	52.2	78.2





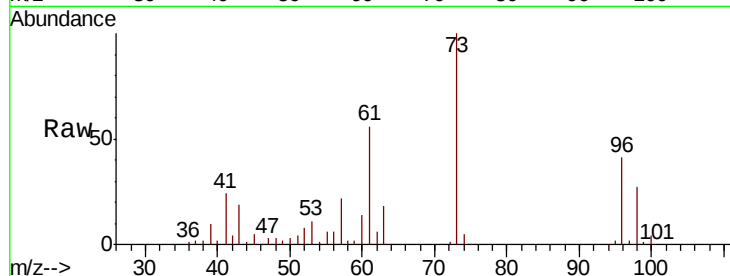
#21
trans-1,2-Dichloroethene
Concen: 52.26 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	111.2	166.8
98	65.6	51.6	77.4

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:19 AM

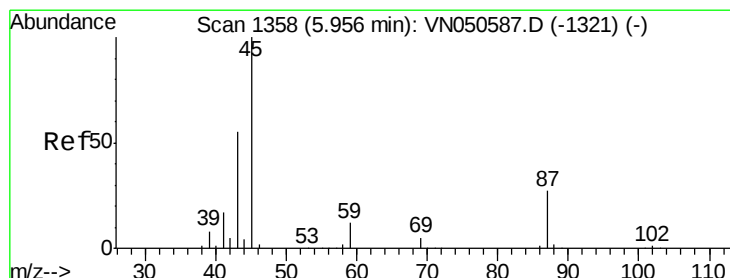
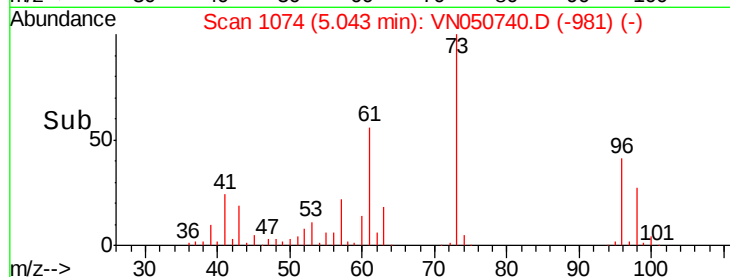
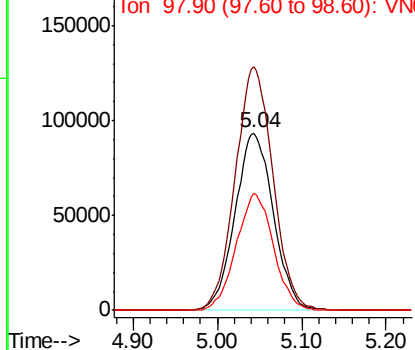


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 64.25 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.1	44.5	66.7
87	28.5	22.2	33.2
59	11.5	9.5	14.3

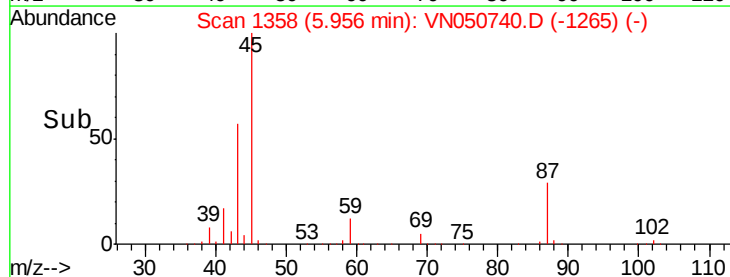
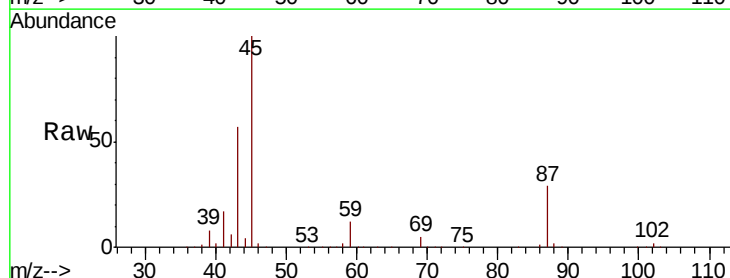
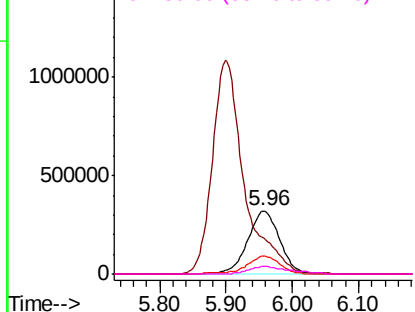
Abundance

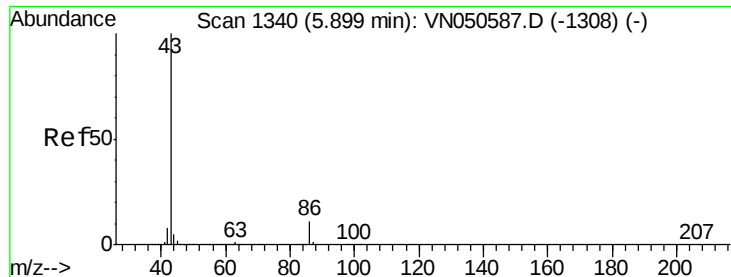
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 332.80 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3615360

Ion Ratio Lower Upper

43 100

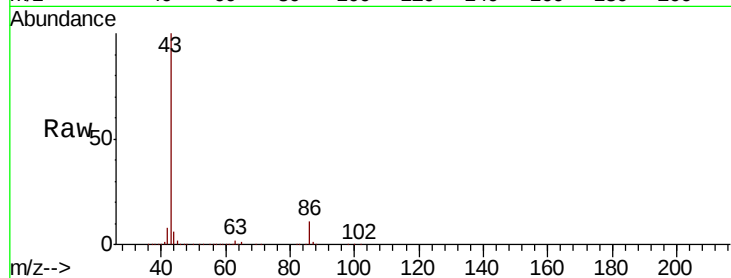
86 10.7 8.4 12.6

Manual Integrations

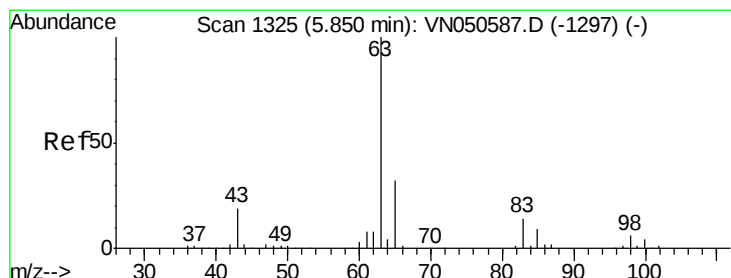
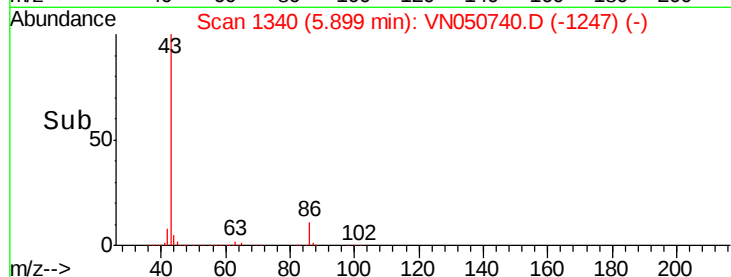
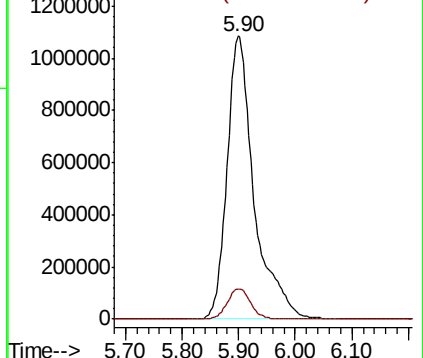
APPROVED

MMDadoda

8/20/2018 10:53:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VN050740.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 55.07 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

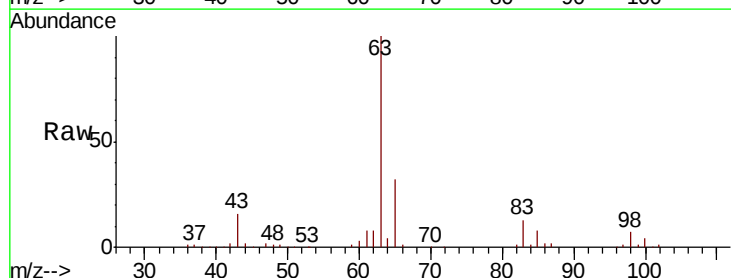
Tgt Ion: 63 Resp: 591782

Ion Ratio Lower Upper

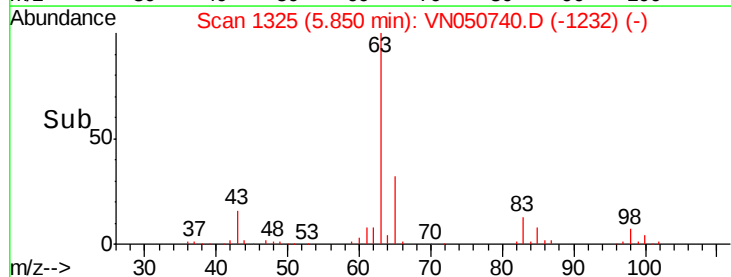
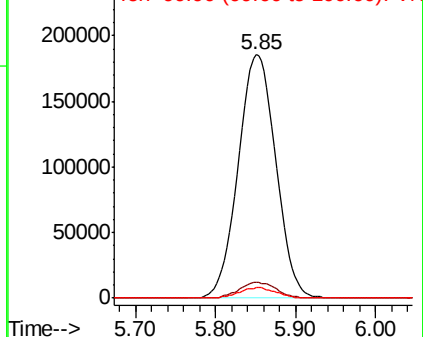
63 100

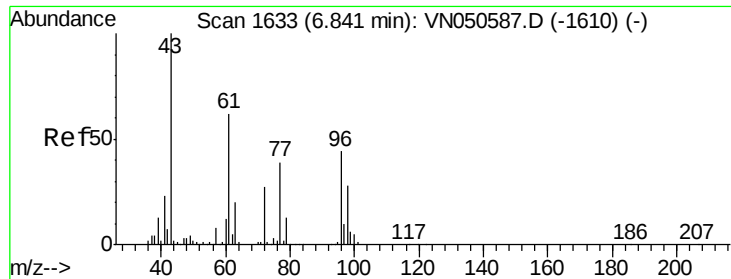
98 6.6 3.2 9.6

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN050740.D (-1232) (-)





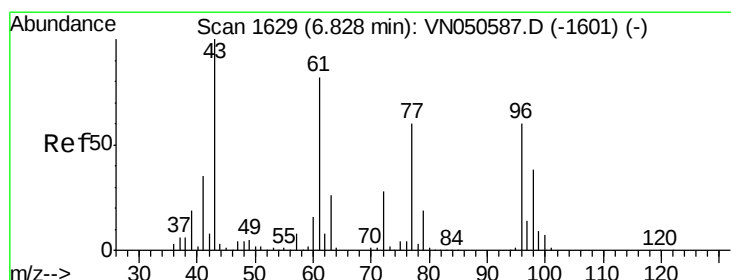
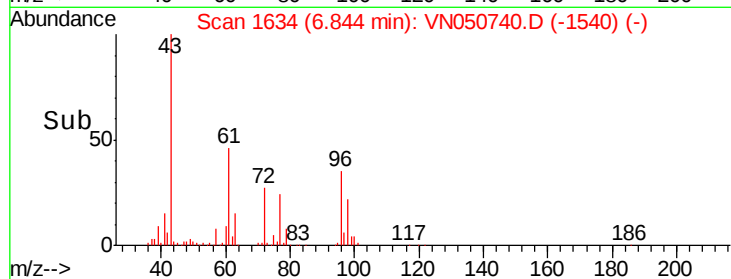
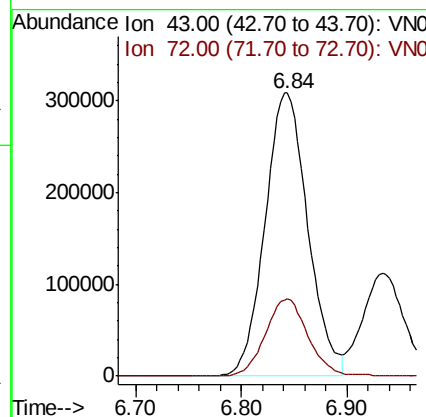
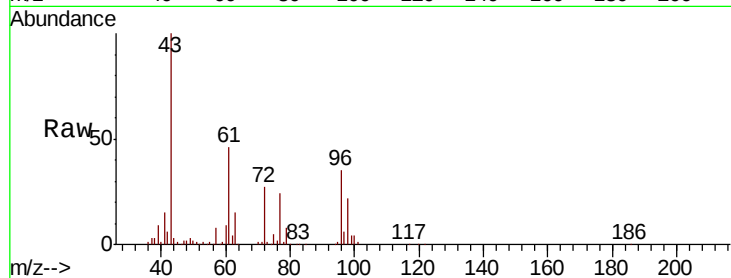
#25
2-Butanone
Concen: 349.72 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 867391
Ion Ratio Lower Upper
43 100
72 27.3 21.8 32.6

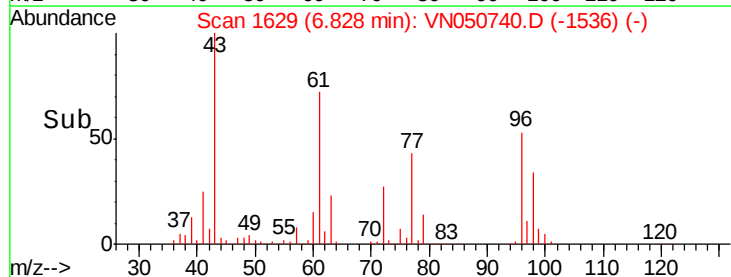
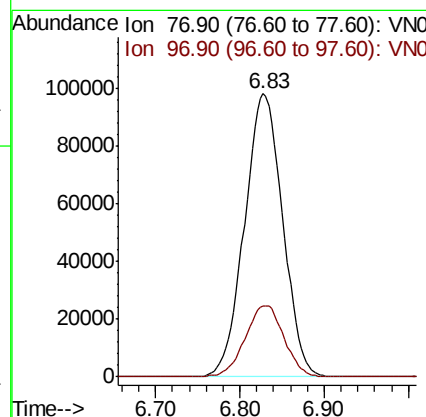
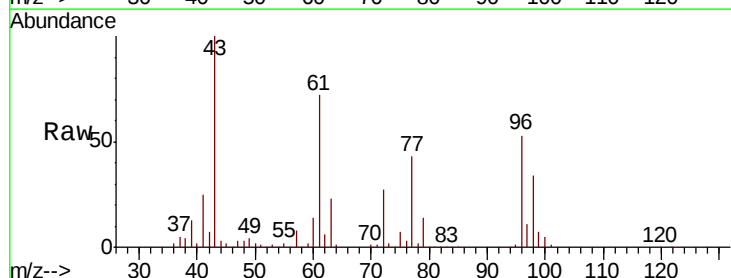
Manual Integrations
APPROVED

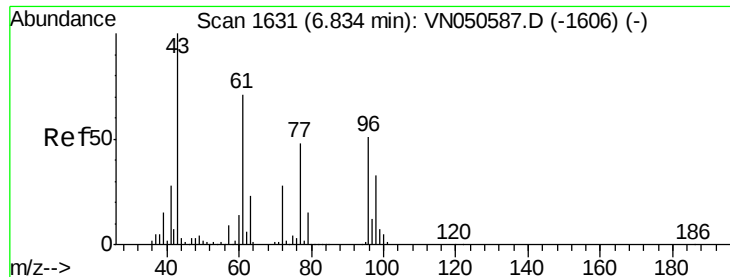
MMDadoda
8/20/2018 10:53:19 AM



#26
2,2-Dichloropropane
Concen: 42.85 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion: 77 Resp: 308173
Ion Ratio Lower Upper
77 100
97 25.5 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 56.91 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

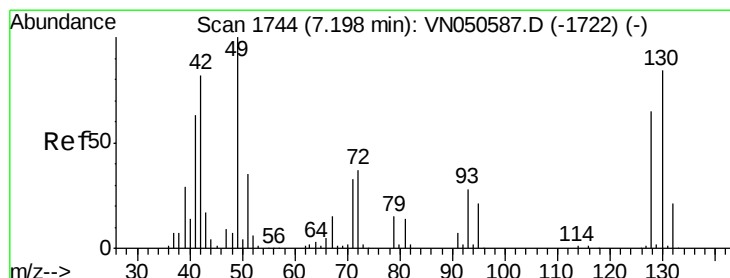
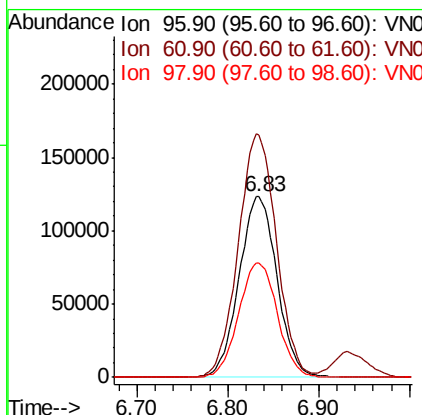
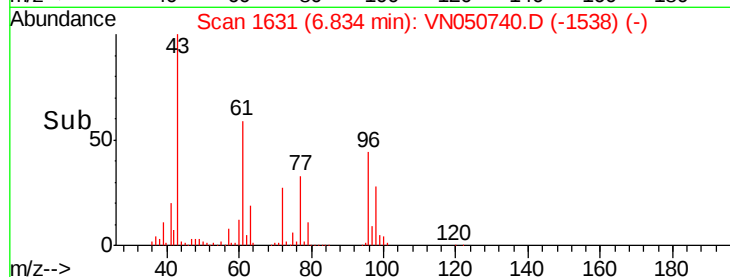
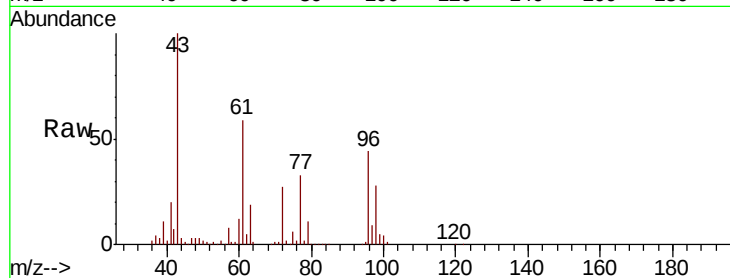
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	357770
Ion	Ratio	Lower	Upper
96	100		
61	135.4	0.0	278.2
98	64.7	0.0	128.8

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:19 AM



#28

Bromochloromethane

Concen: 64.75 ug/l

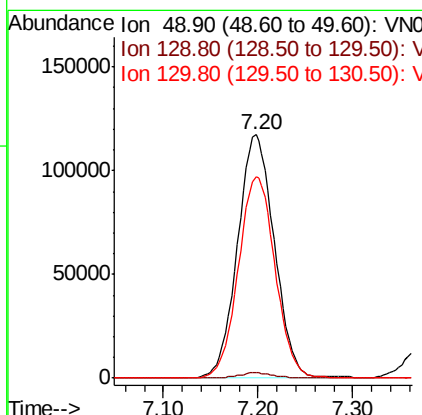
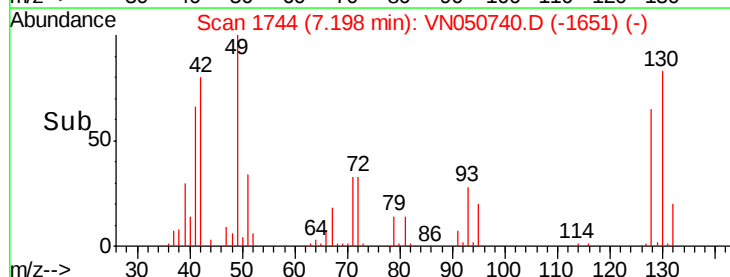
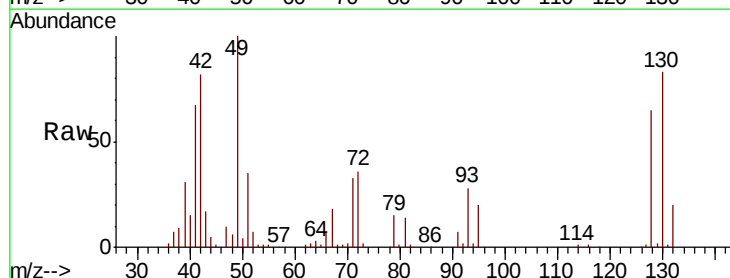
RT: 7.20 min Scan# 1744

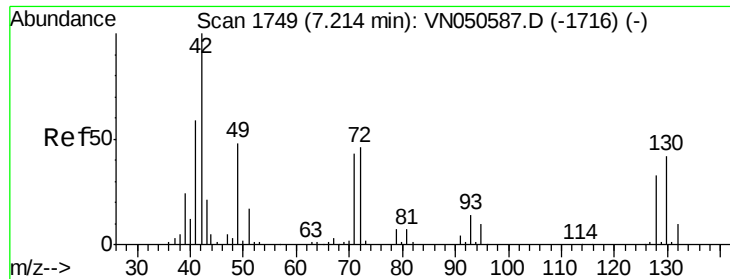
Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Tgt Ion:	49	Resp:	316662
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	82.6	66.8	100.2





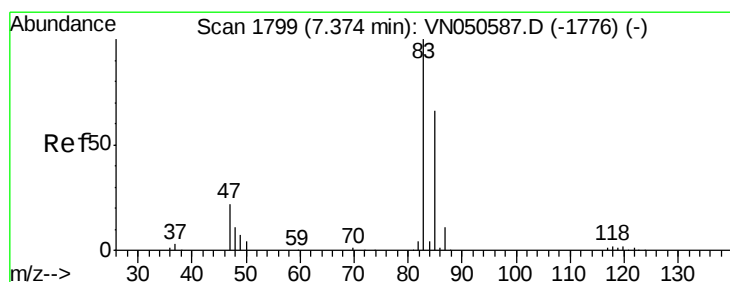
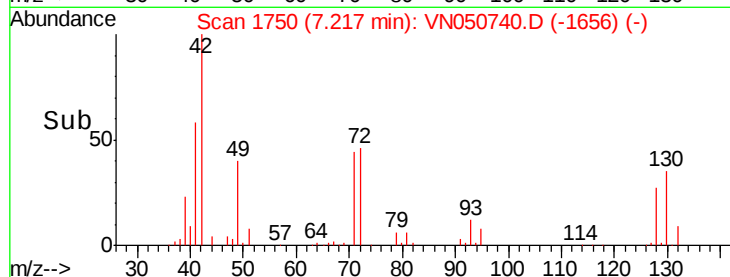
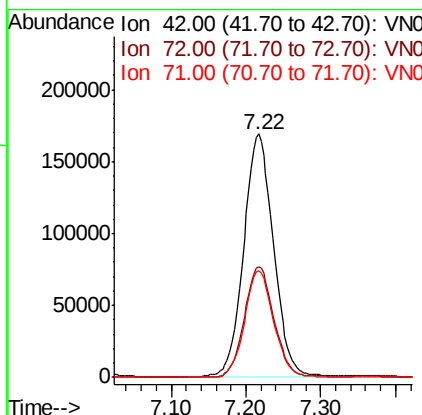
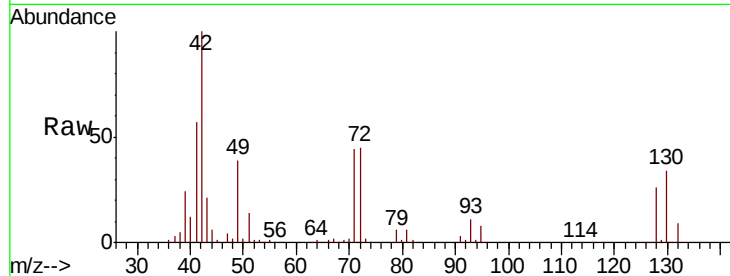
#29
Tetrahydrofuran
Concen: 362.01 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.8	53.6
71	42.8	33.4	50.0

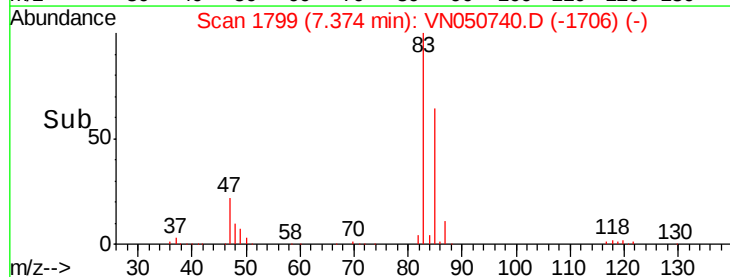
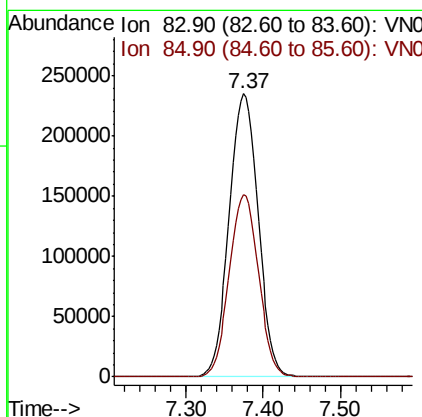
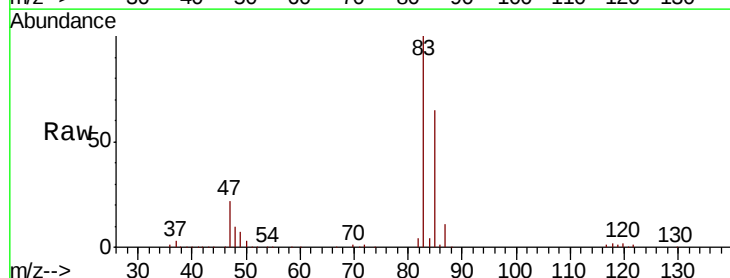
Manual Integrations
APPROVED

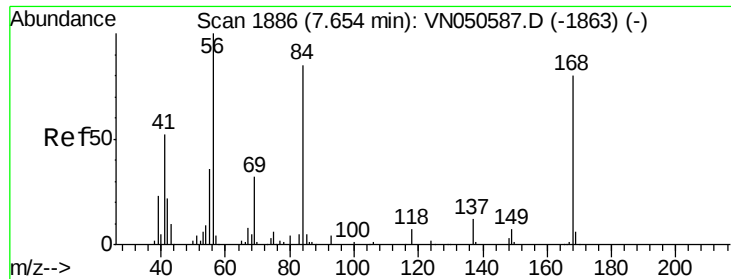
MMDadoda
8/20/2018 10:53:19 AM



#30
Chloroform
Concen: 56.37 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7





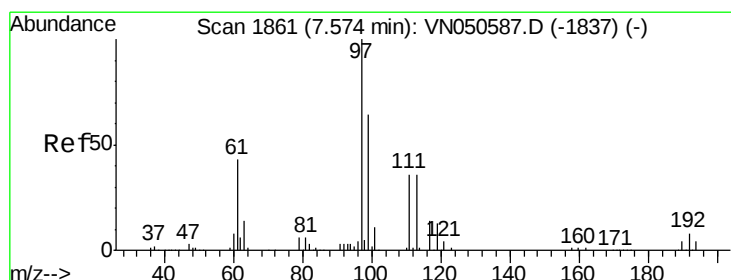
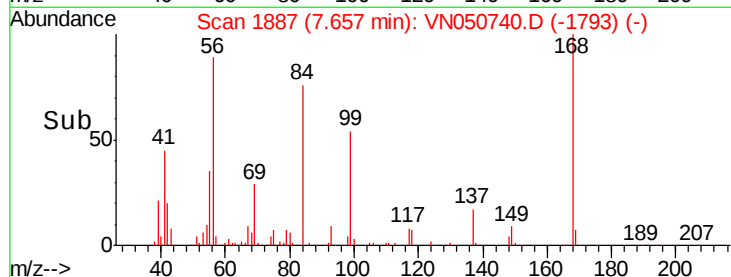
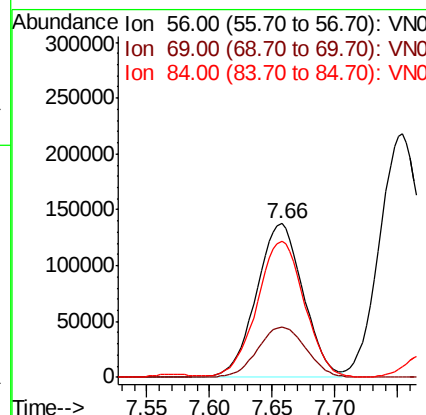
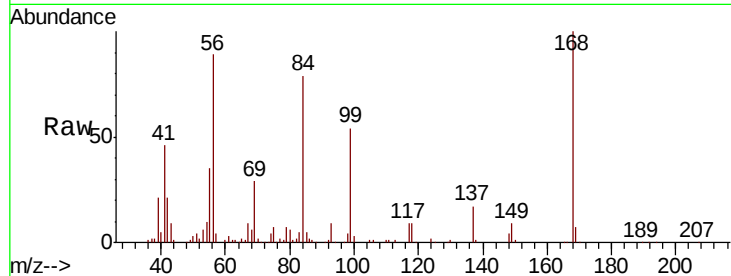
#31
Cyclohexane
Concen: 39.02 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.8	38.6
84	87.1	67.8	101.6

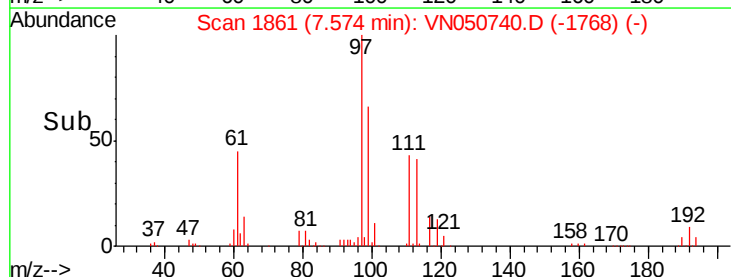
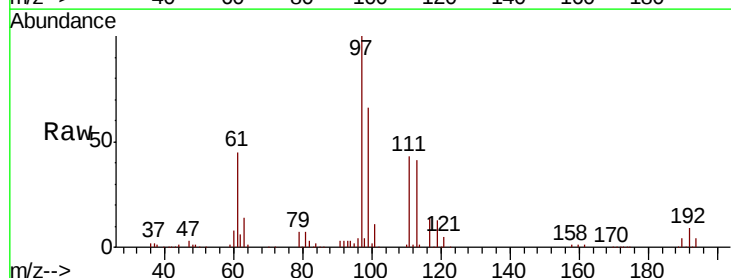
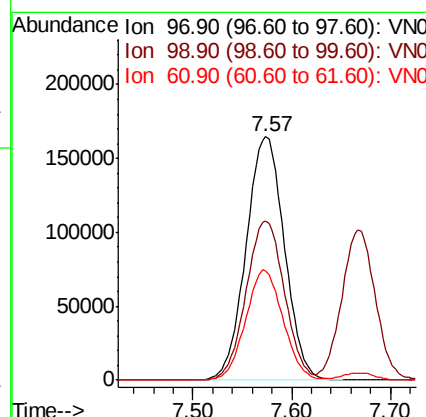
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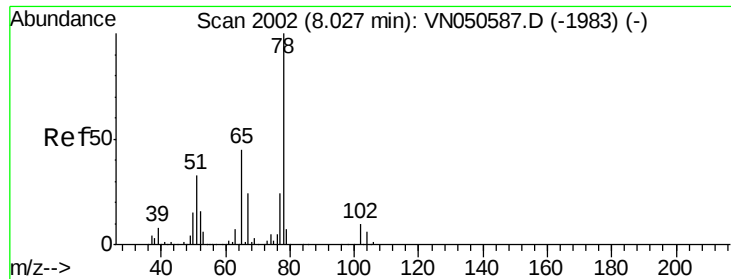
MMDadoda
8/20/2018 10:53:19 AM



#32
1,1,1-Trichloroethane
Concen: 48.22 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.1	76.7
61	44.2	34.8	52.2





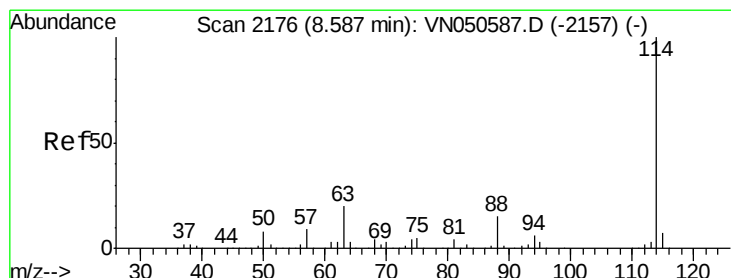
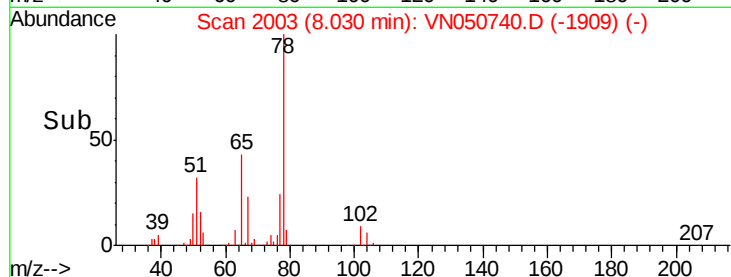
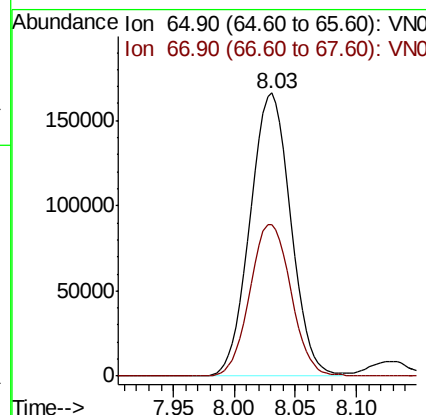
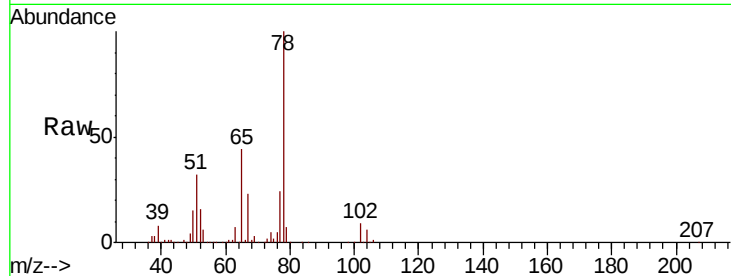
#33
 1,2-Dichloroethane-d4
 Concen: 63.47 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	109.8	

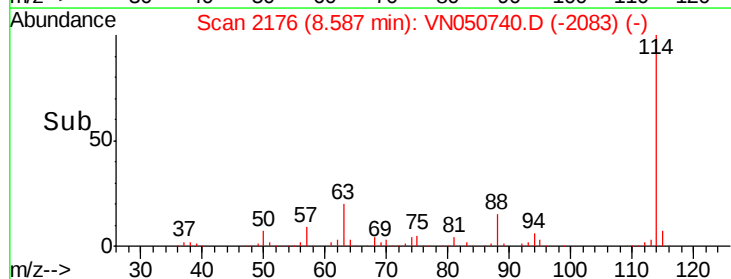
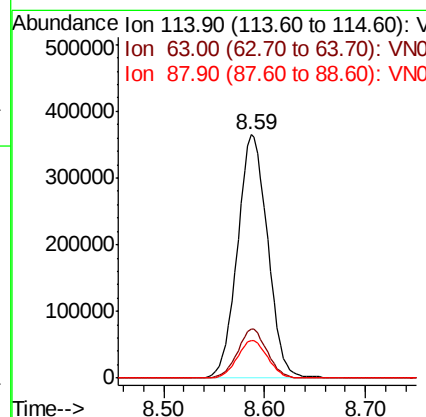
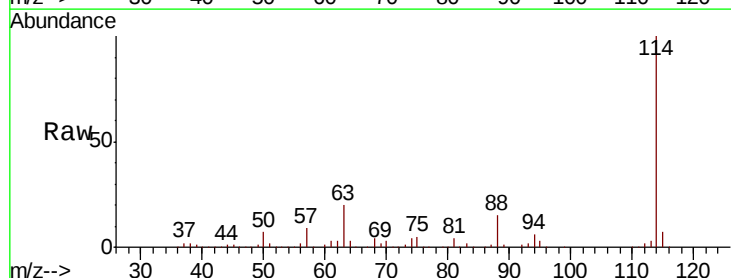
Manual Integrations
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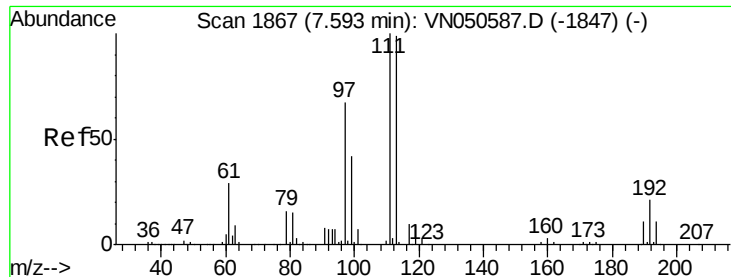
MMDadoda
 8/20/2018 10:53:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.2	0.0	40.0	
88	15.5	0.0	30.8	





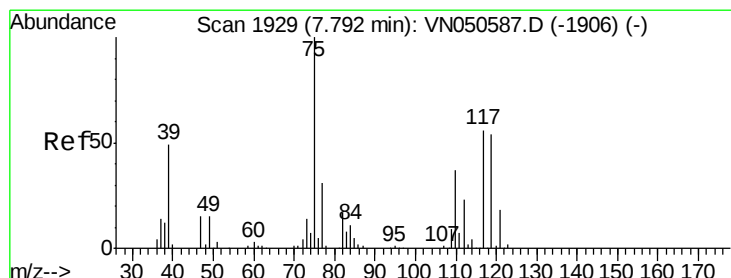
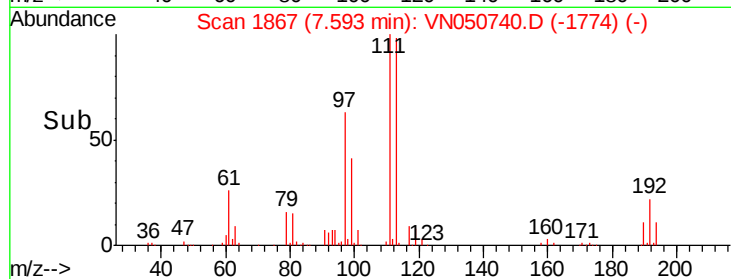
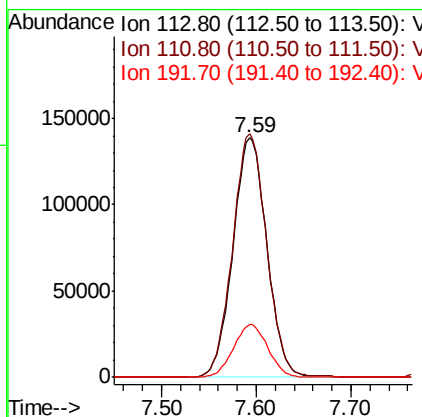
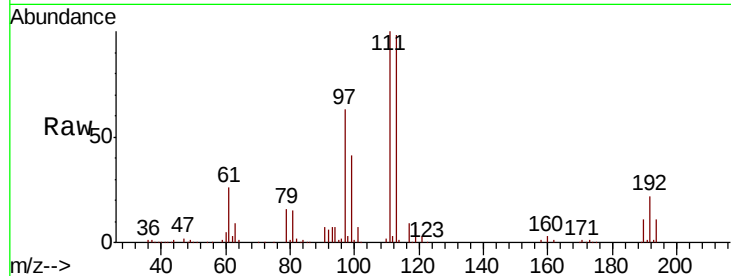
#35
 Dibromofluoromethane
 Concen: 57.32 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.9	81.0	121.6	
192	22.4	17.6	26.4	

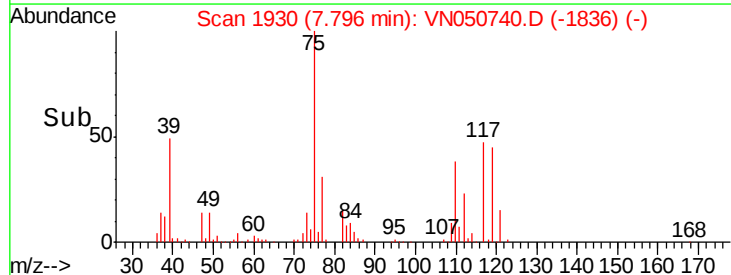
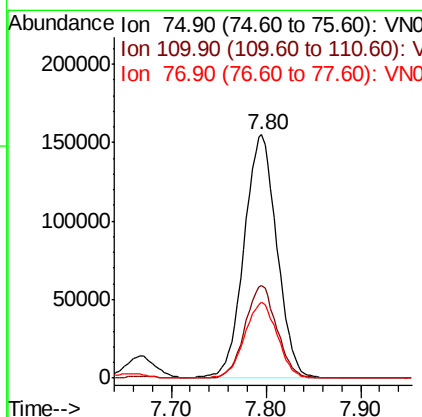
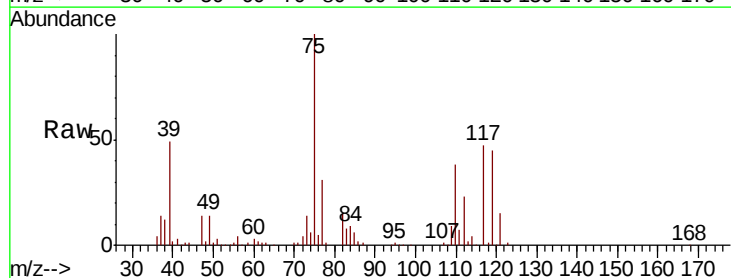
Manual Integrations
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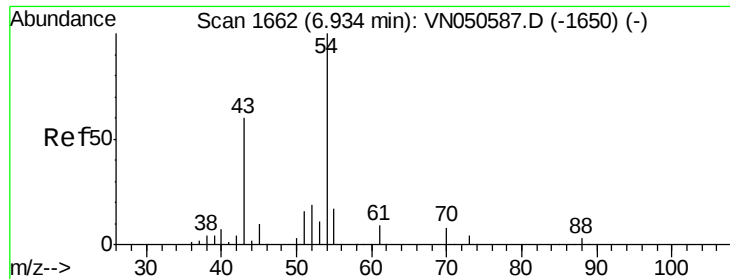
MMDadoda
 8/20/2018 10:53:19 AM



#36
 1,1-Dichloropropene
 Concen: 44.02 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.0	18.3	54.9	
77	31.5	25.0	37.4	





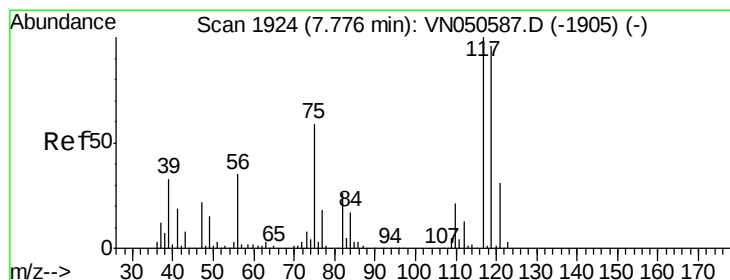
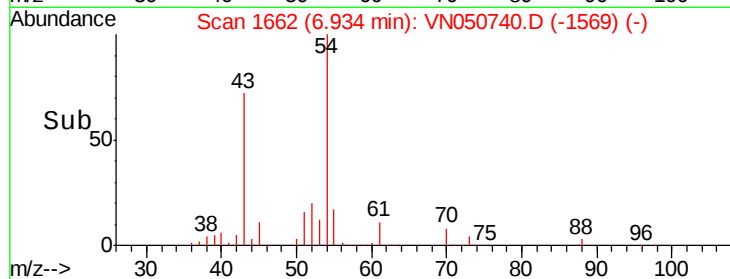
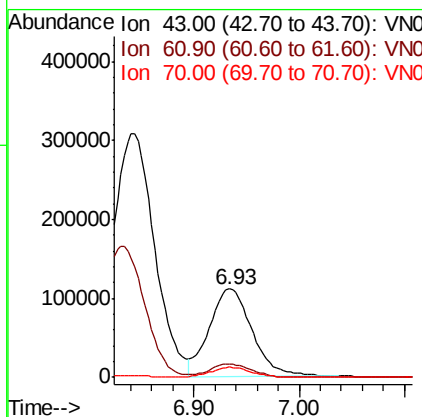
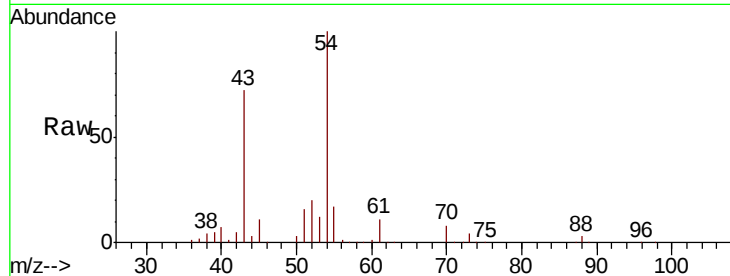
#37
Ethyl Acetate
Concen: 65.81 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.0	18.0
70	11.0	8.5	12.7

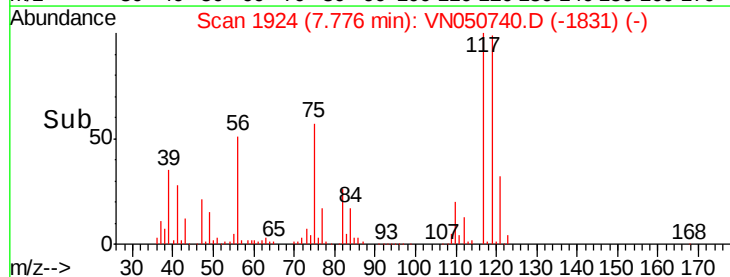
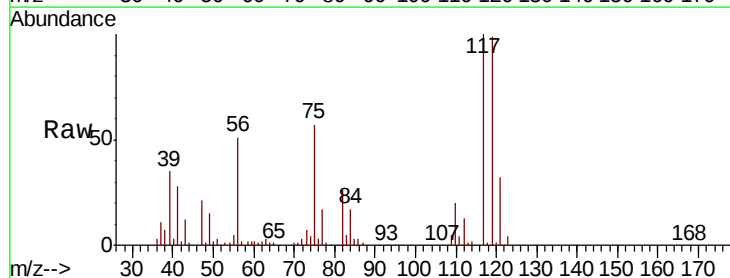
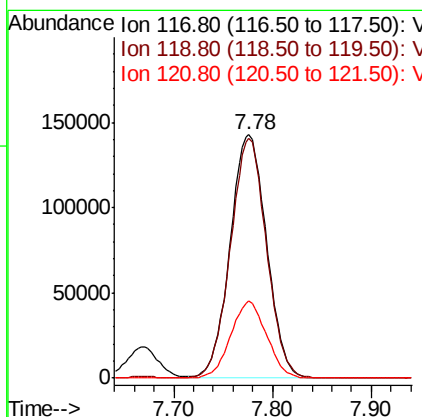
Manual Integrations
APPROVED

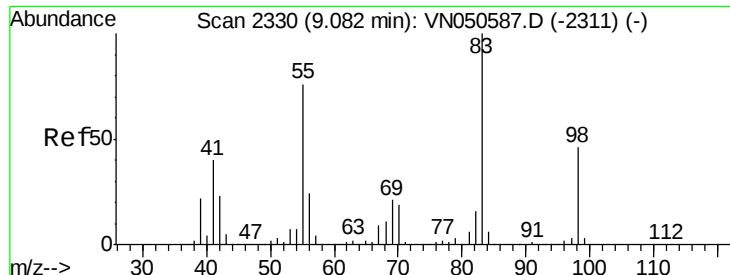
MMDadoda
8/20/2018 10:53:19 AM



#38
Carbon Tetrachloride
Concen: 41.88 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.6	115.0
121	31.5	25.0	37.6





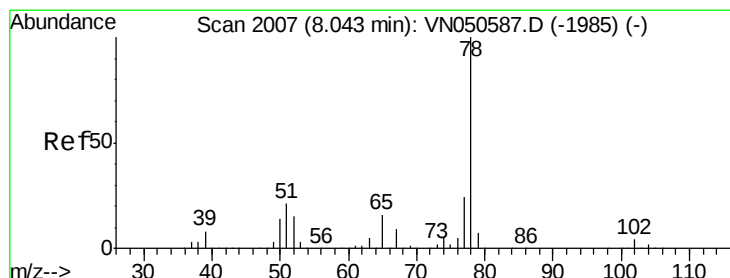
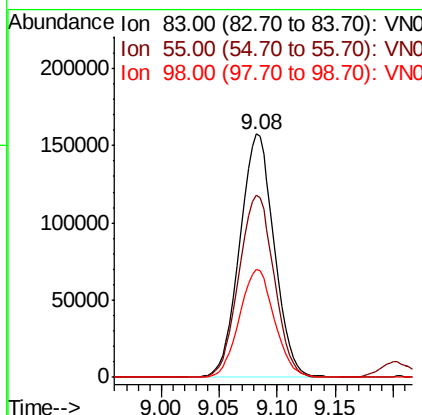
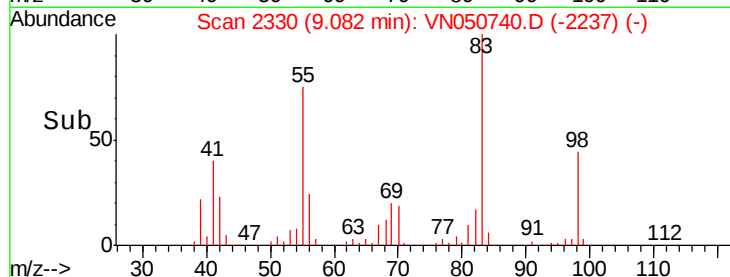
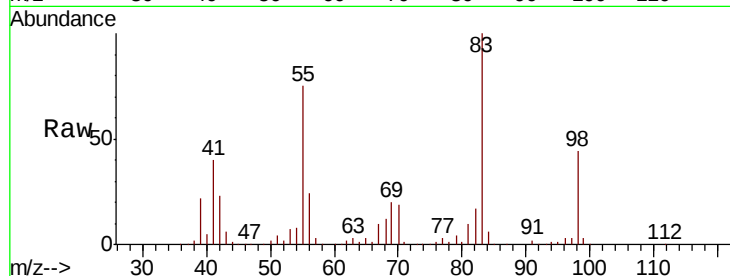
#39
Methvlcvclohexane
Concen: 37.33 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	60.6	91.0
98	44.1	37.0	55.4

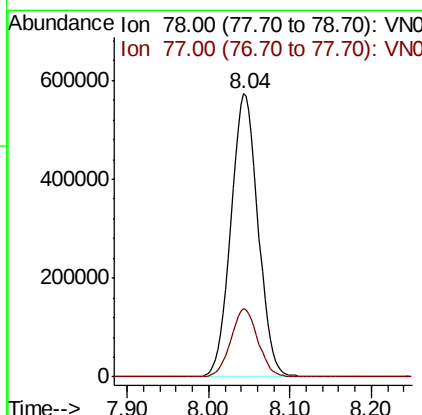
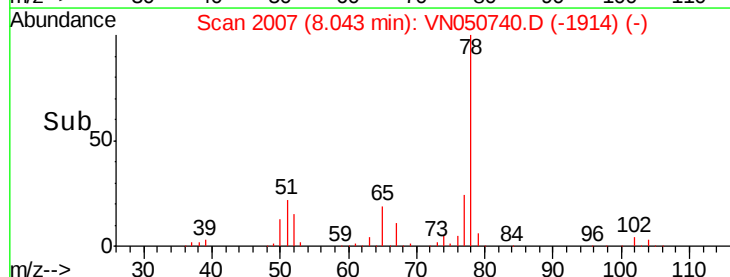
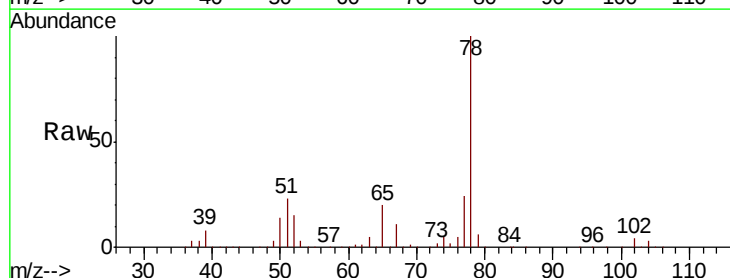
Manual Integrations
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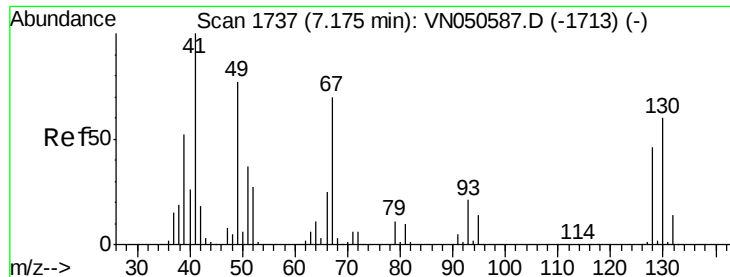
MMDadoda
8/20/2018 10:53:19 AM



#40
Benzene
Concen: 52.01 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





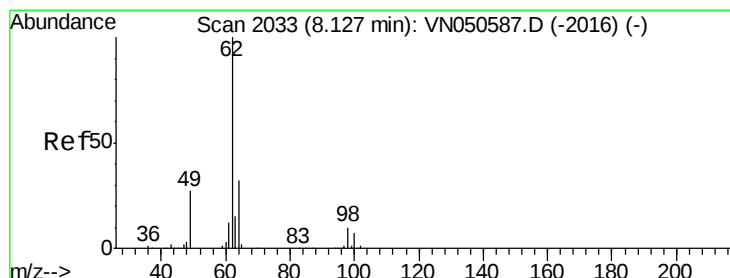
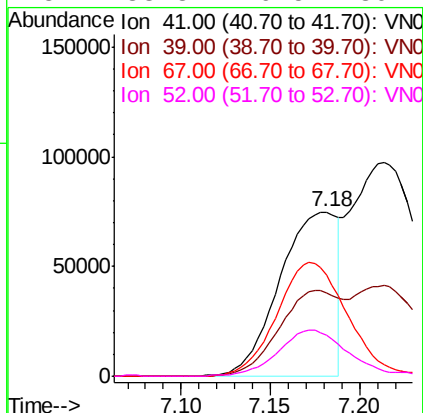
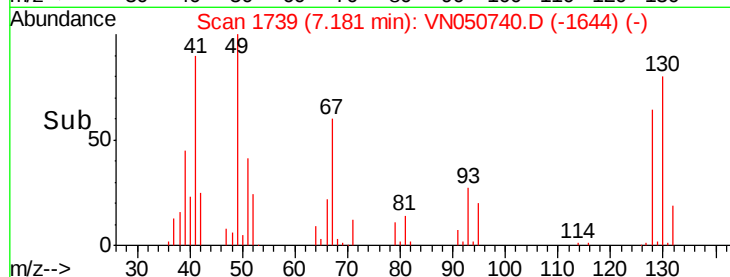
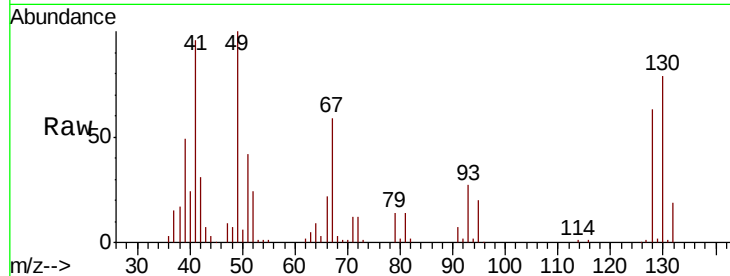
#41
Methacrylonitrile
Concen: 65.34 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.6	66.8
67	84.7	66.7	100.1
52	33.8	26.5	39.7

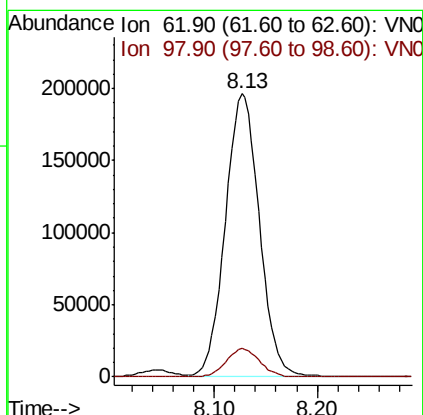
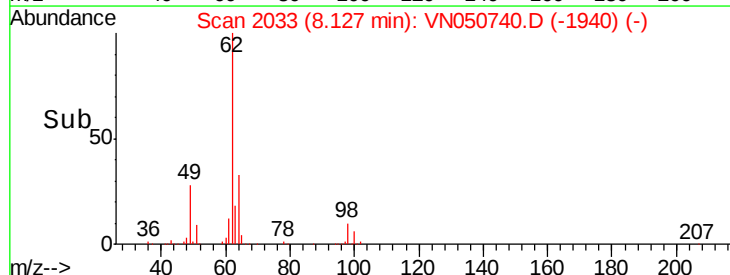
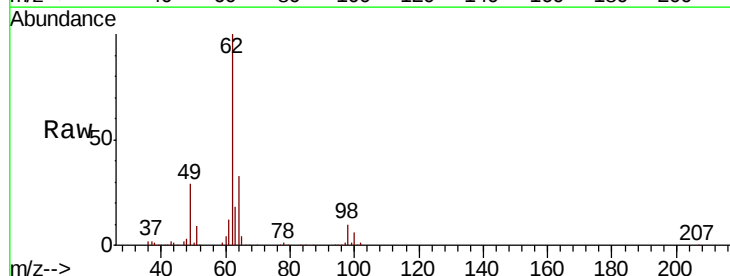
Manual Integrations
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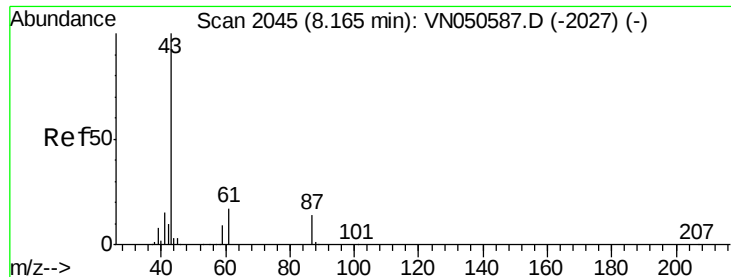
MMDadoda
8/20/2018 10:53:19 AM



#42
1,2-Dichloroethane
Concen: 57.30 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4





#43

Isopropyl Acetate

Concen: 63.75 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

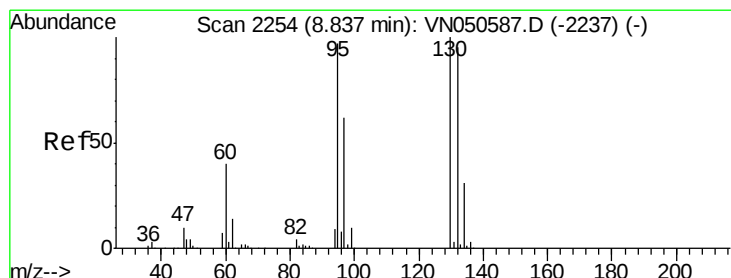
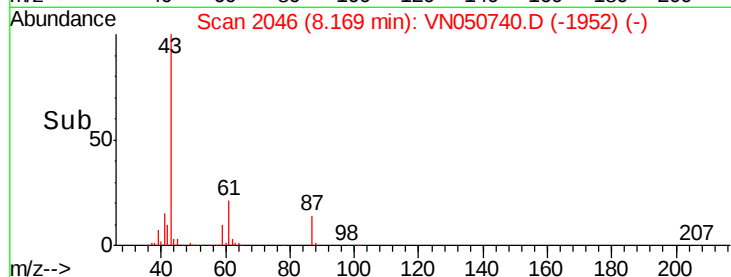
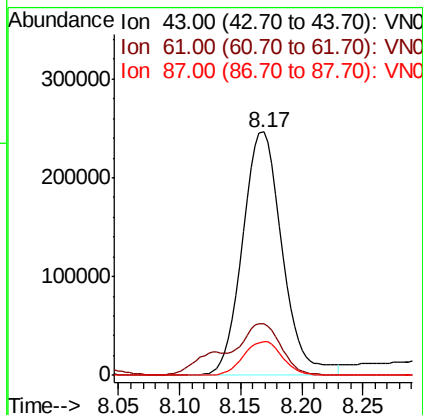
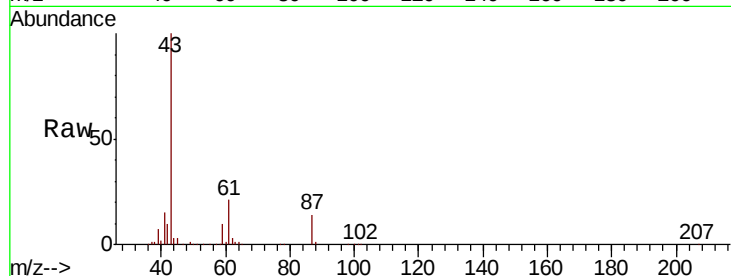
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	553056
Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.2	24.2
87	13.7	10.9	16.3

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MMDadoda
8/20/2018 10:53:19 AM



#44

Trichloroethene

Concen: 46.98 ug/l

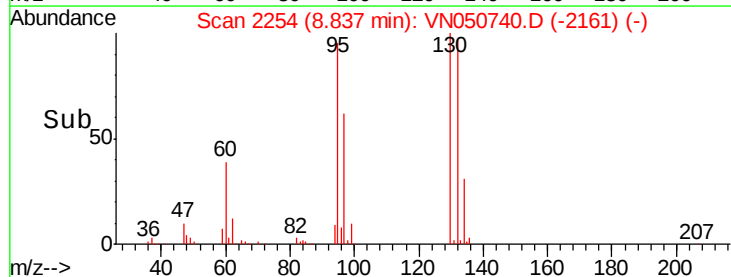
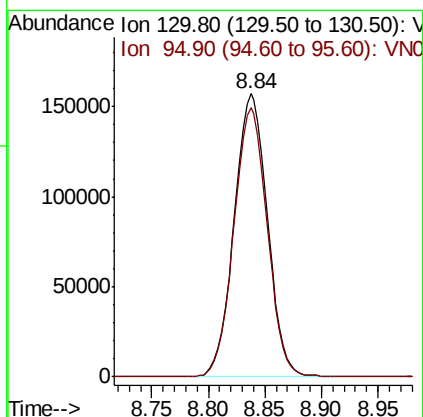
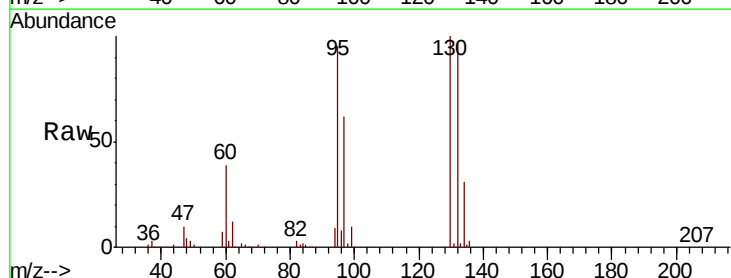
RT: 8.84 min Scan# 2254

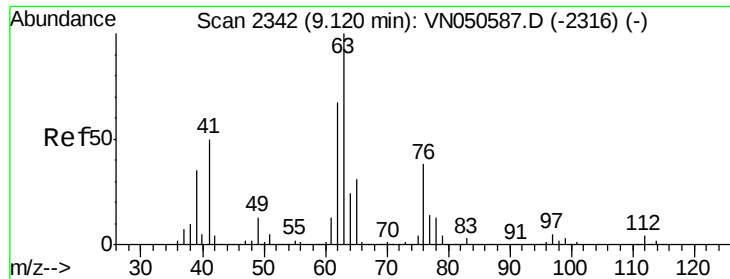
Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Tgt Ion:	130	Resp:	322409
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	193.8





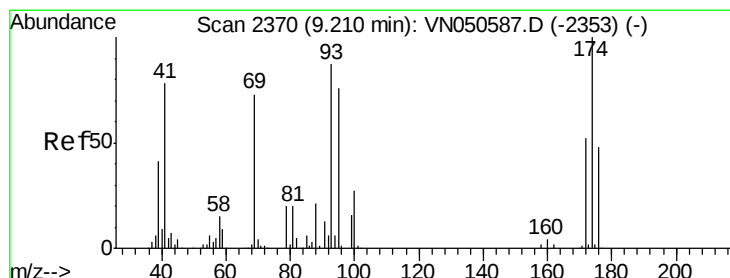
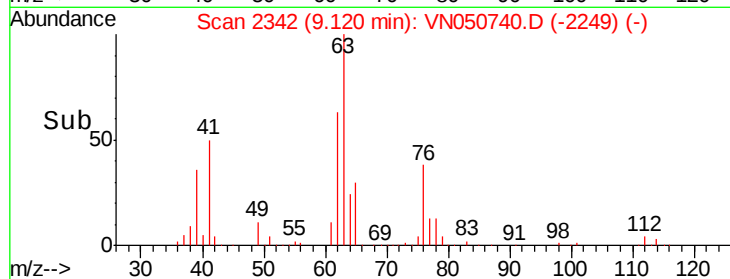
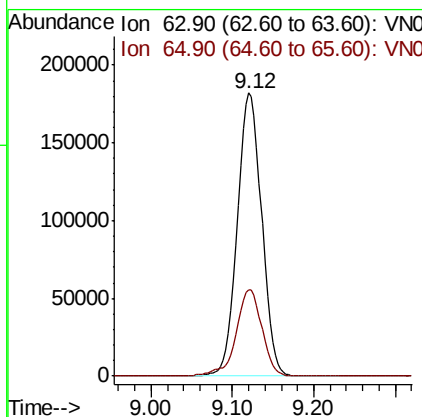
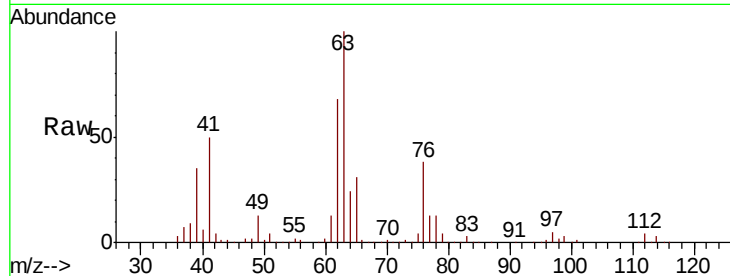
#45
 1,2-Dichloropropane
 Concen: 55.27 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.5	36.7

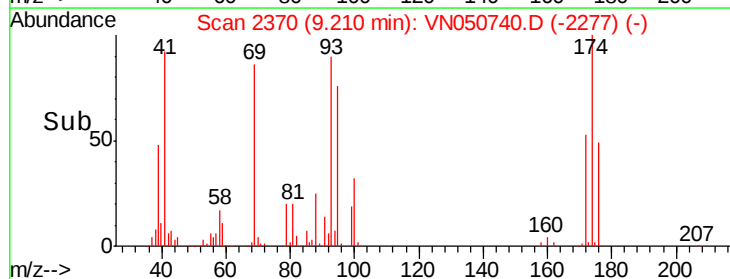
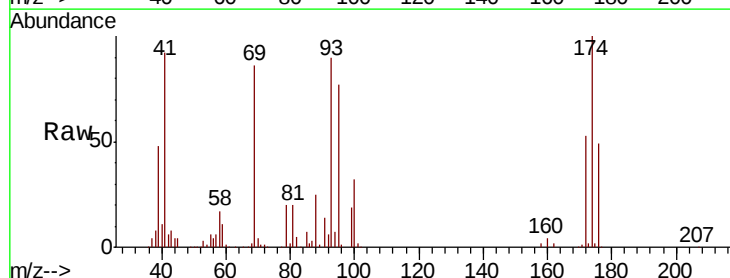
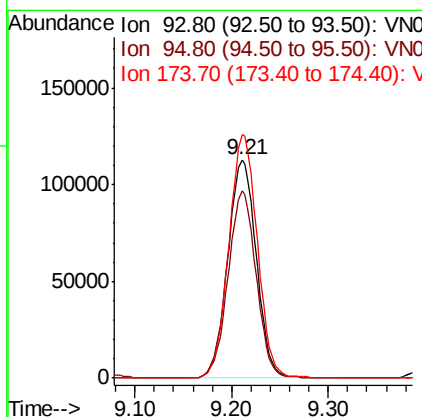
Manual Integrations
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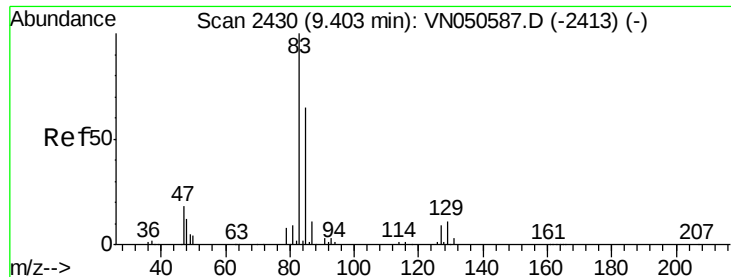
MMDadoda
 8/20/2018 10:53:19 AM



#46
 Dibromomethane
 Concen: 57.60 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	69.1	103.7
174	110.8	91.0	136.6





#47

Bromodichloromethane

Concen: 55.69 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

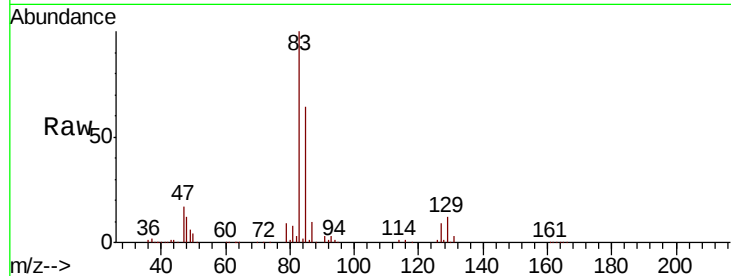
ClientSampleId :

VSTDCCC050

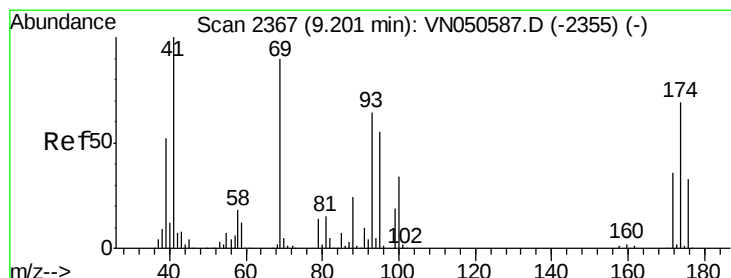
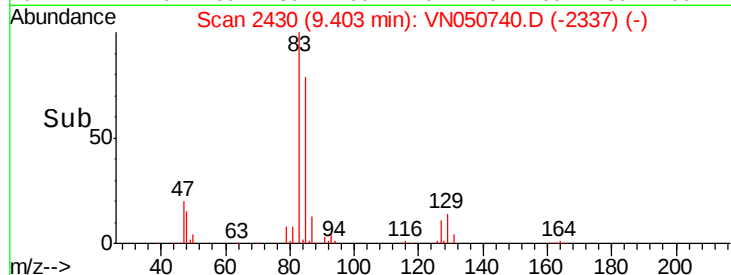
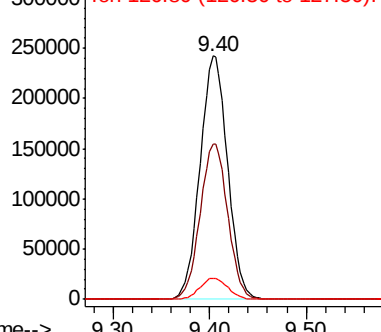
Tot Ion:	83	Resp:	479391
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	8.8	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050740.D (-2337) (-)



#48

Methyl methacrylate

Concen: 62.94 ug/l

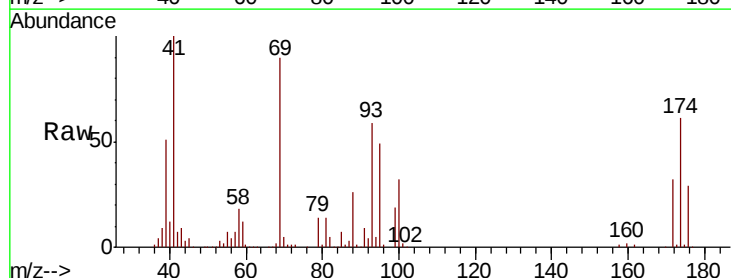
RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

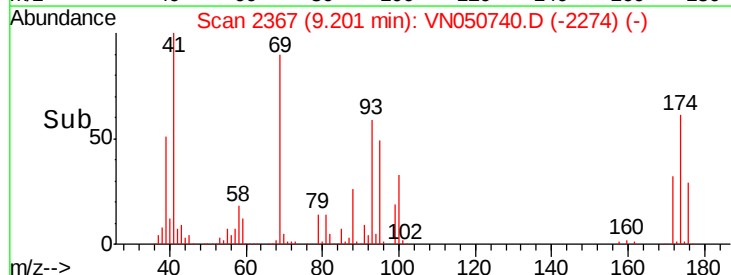
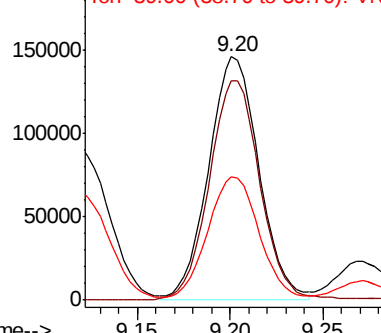
Lab File: VN050740.D

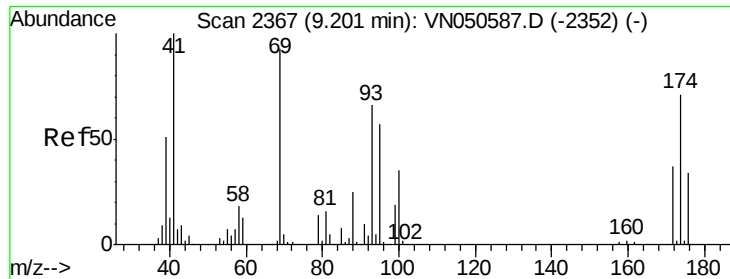
Acq: 18 Aug 2018 00:02

Tgt Ion:	41	Resp:	274745
Ion	Ratio	Lower	Upper
41	100		
69	91.6	73.4	110.0
39	52.1	43.0	64.6



Abundance Ion 41.00 (40.70 to 41.70): VN050740.D (-2274) (-)





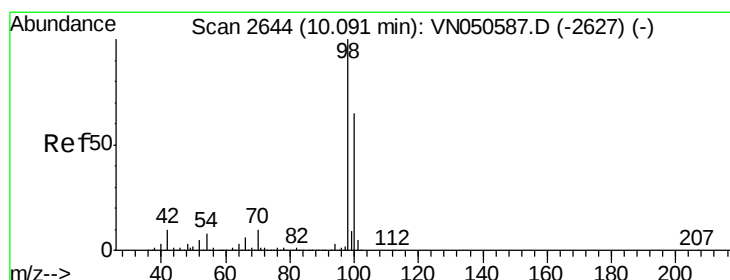
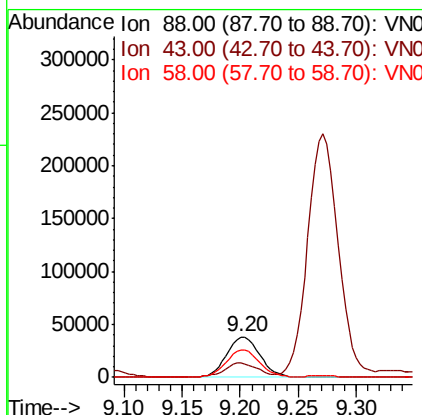
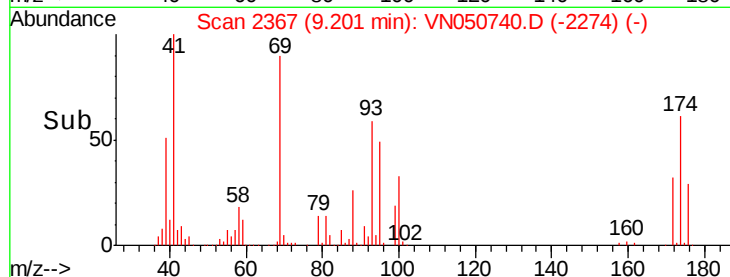
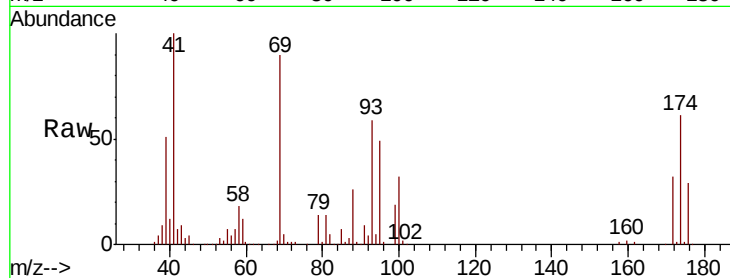
#49
 1,4-Dioxane
 Concen: 1325.82 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	76246
Ion	Ratio	Lower	Upper
88	100		
43	33.7	25.9	38.9
58	68.6	56.5	84.7

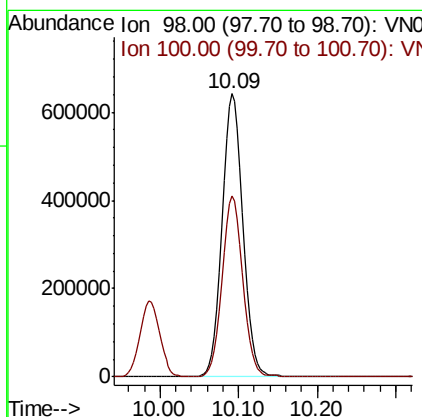
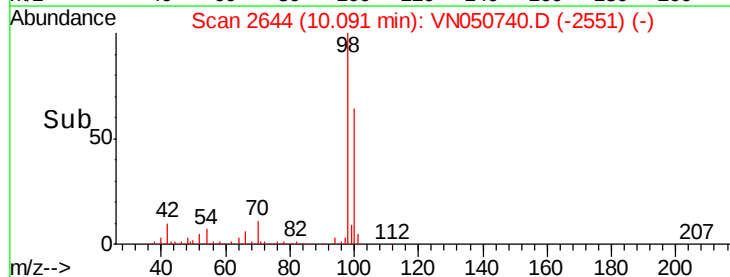
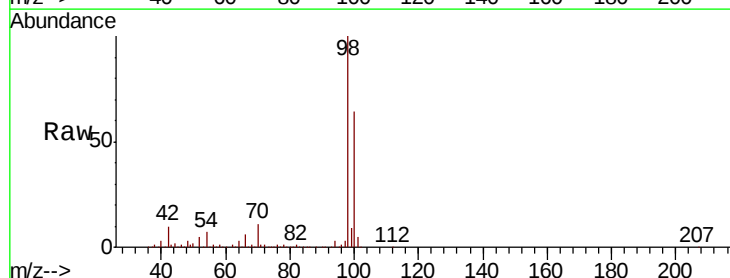
Manual Integrations
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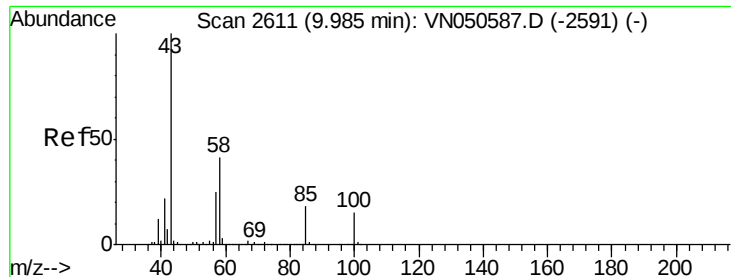
MMDadoda
 8/20/2018 10:53:19 AM



#50
 Toluene-d8
 Concen: 51.41 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Tgt Ion	98	Resp	1168687
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.8	77.8





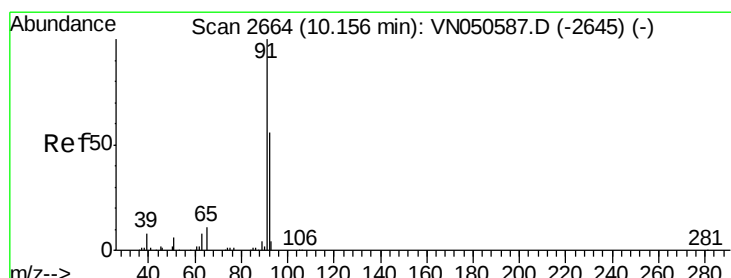
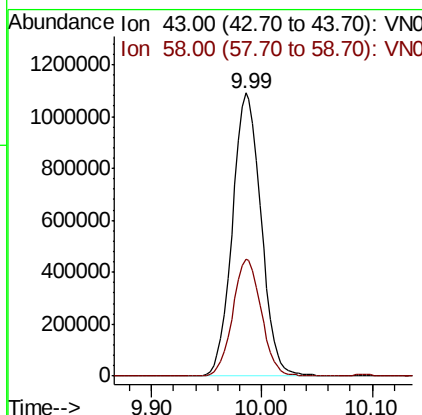
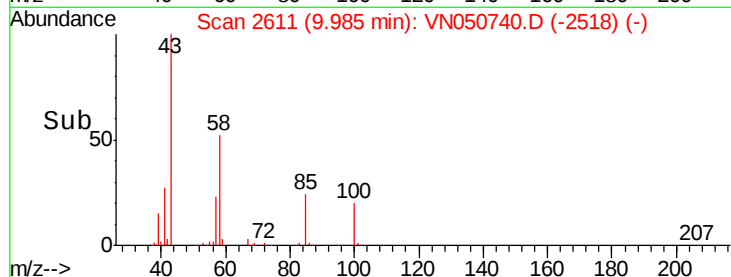
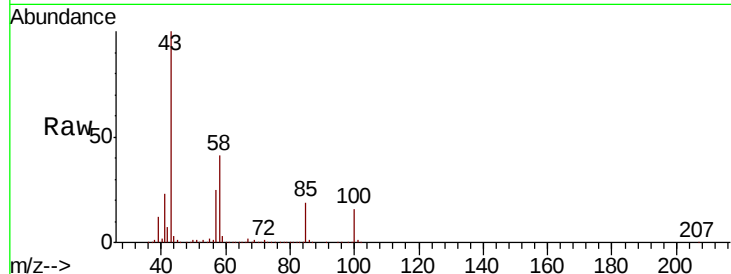
#51
4-Methyl-2-Pentanone
Concen: 335.58 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1968967
Ion Ratio Lower Upper
43 100
58 41.0 32.5 48.7

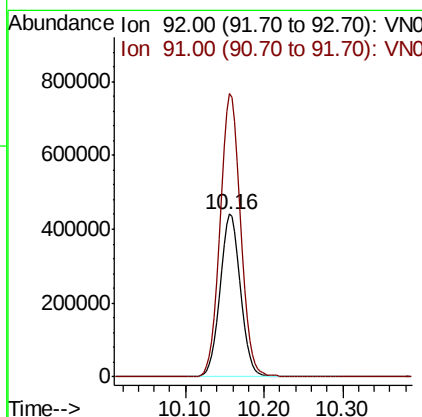
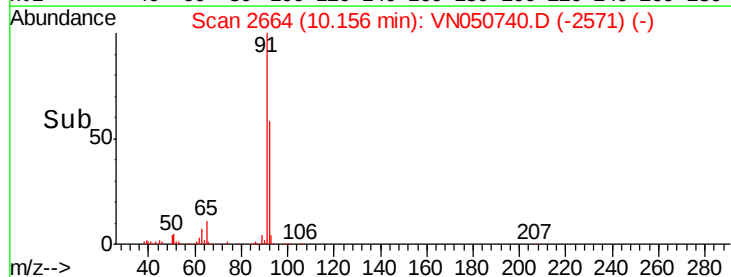
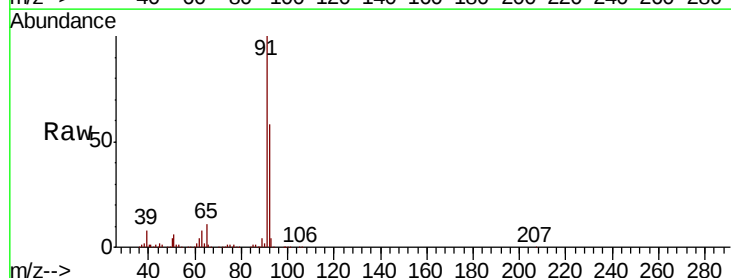
Manual Integrations
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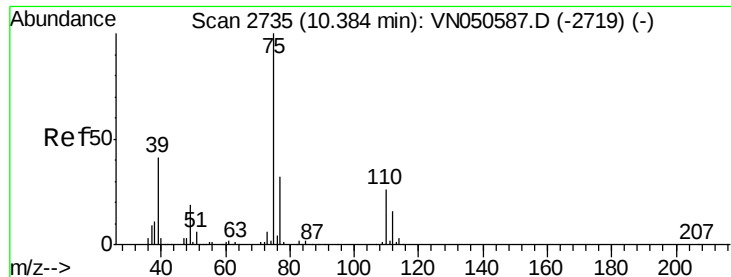
MMDadoda
8/20/2018 10:53:19 AM



#52
Toluene
Concen: 51.48 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion: 92 Resp: 787495
Ion Ratio Lower Upper
92 100
91 174.6 141.9 212.9





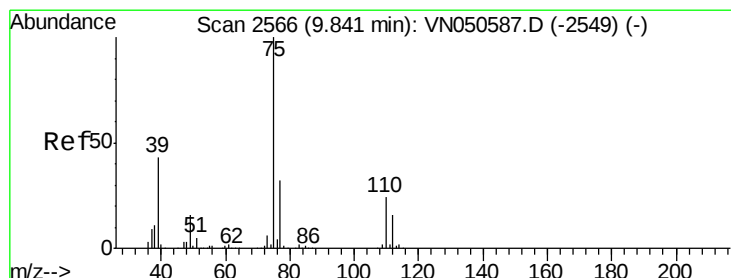
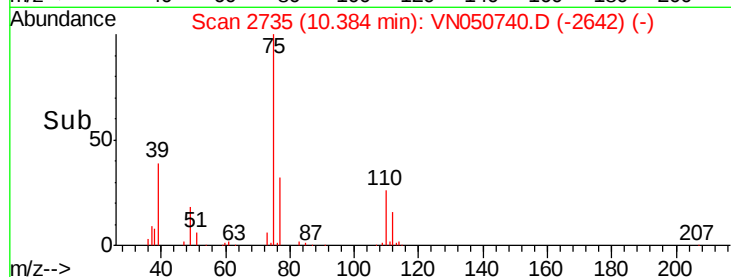
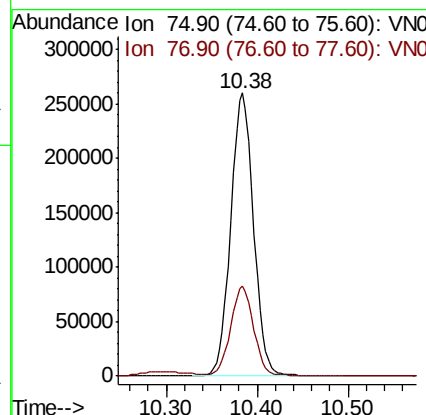
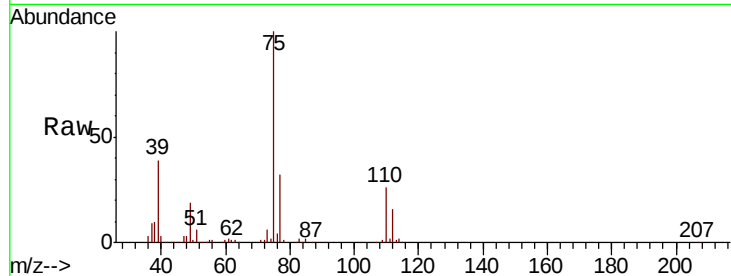
#53
t-1,3-Dichloropropene
Concen: 56.57 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 453571
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.6

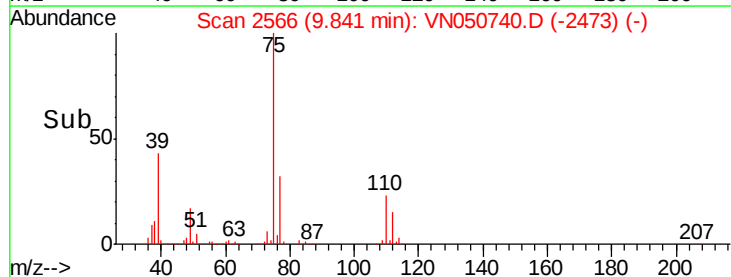
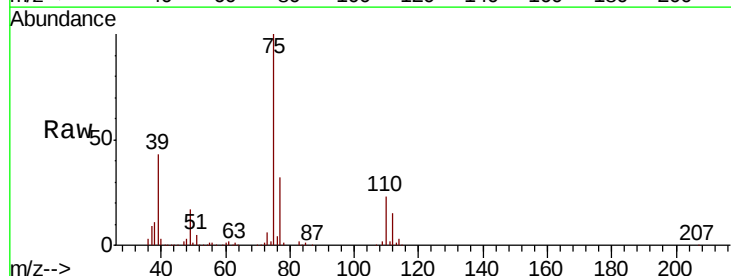
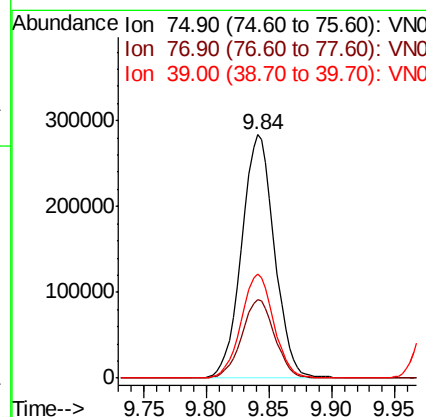
Manual Integrations
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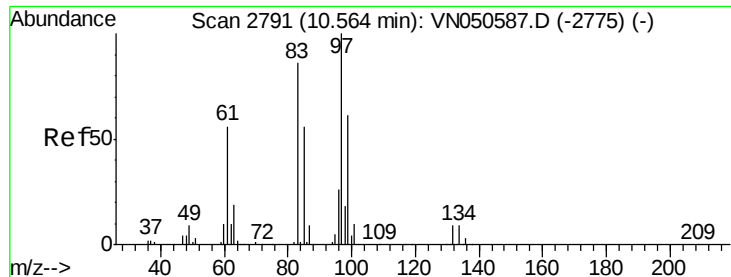
MMDadoda
8/20/2018 10:53:19 AM



#54
cis-1,3-Dichloropropene
Concen: 56.03 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion: 75 Resp: 515367
Ion Ratio Lower Upper
75 100
77 32.5 25.6 38.4
39 42.8 34.4 51.6





#55

1,1,2-Trichloroethane

Concen: 58.13 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

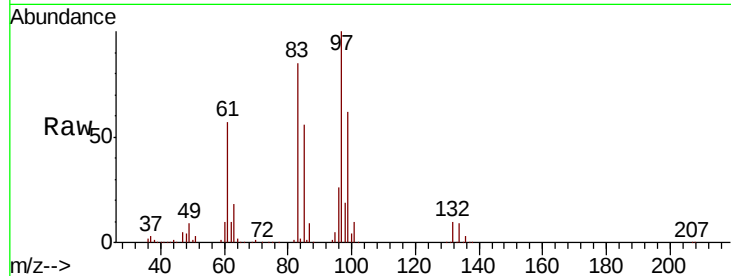
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		332221		
83	85.2	68.5	102.7		
85	55.5	44.6	66.8		
99	61.9	49.1	73.7		

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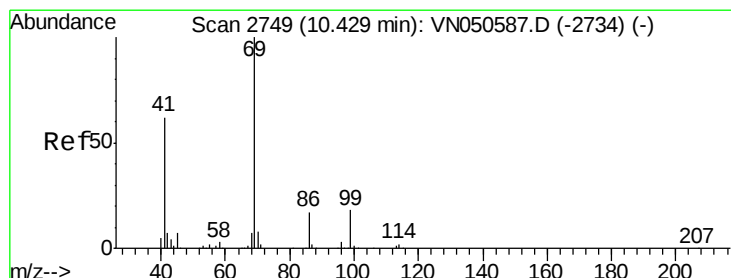
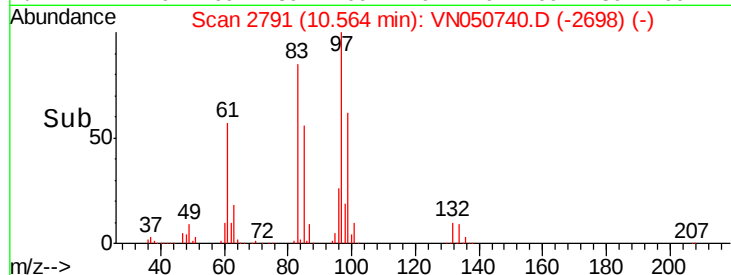
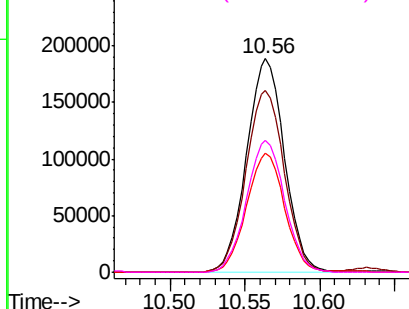
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 57.25 ug/l

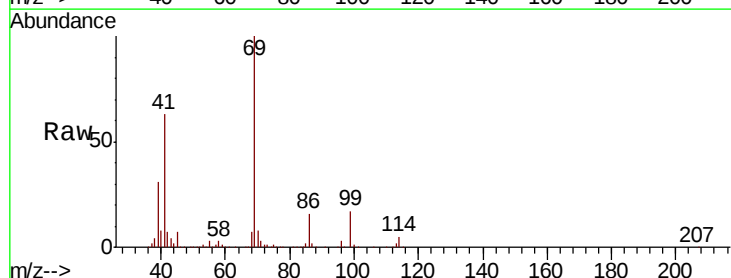
RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		419474		
41	63.2	49.7	74.5		
39	30.0	24.2	36.2		

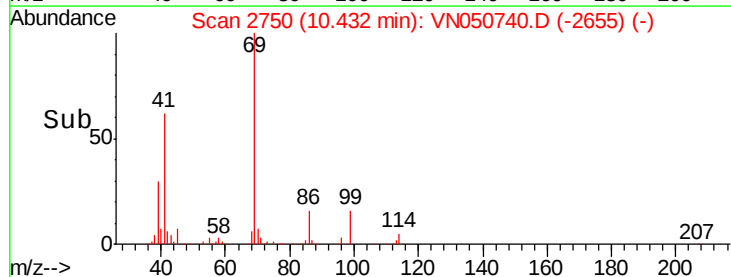
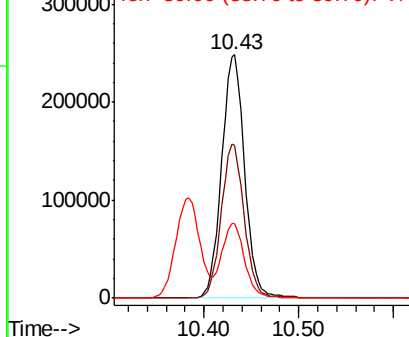


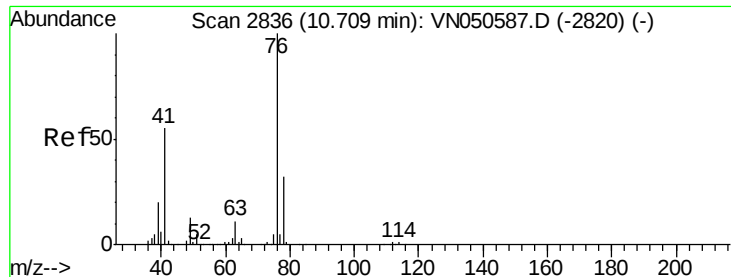
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 58.83 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 551180

Ion Ratio Lower Upper

76 100

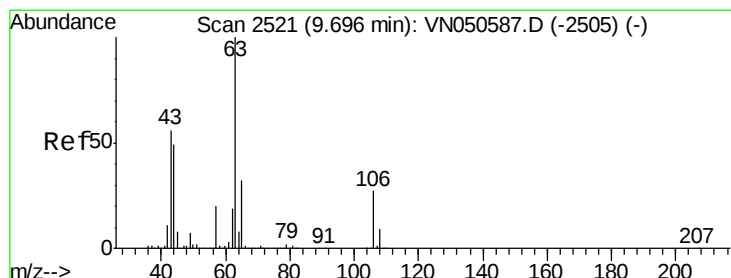
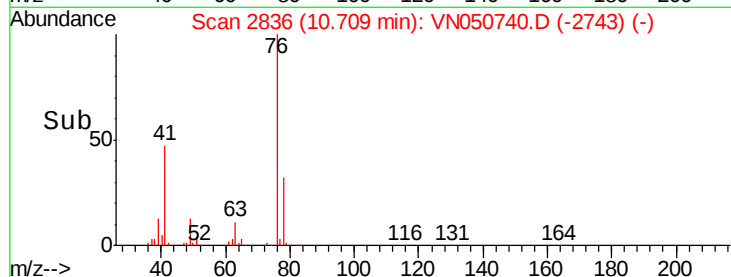
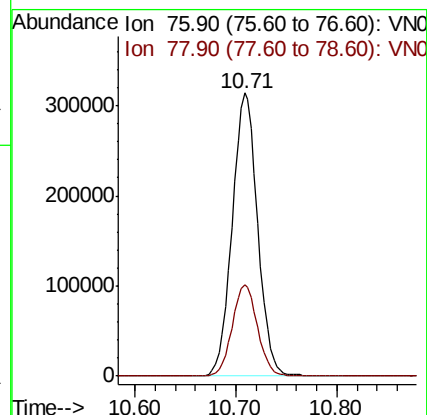
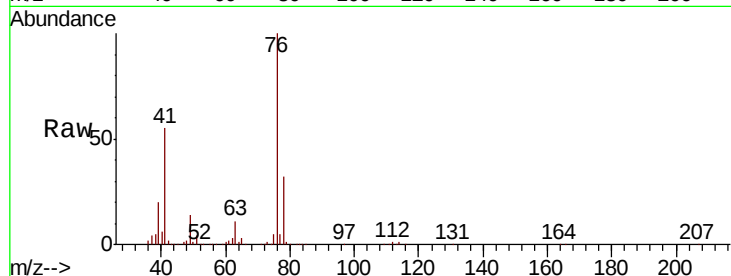
78 32.3 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 293.98 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050740.D

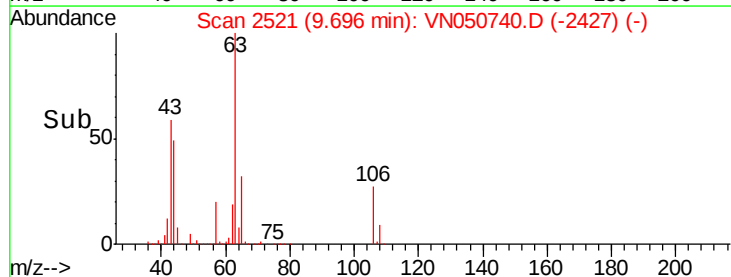
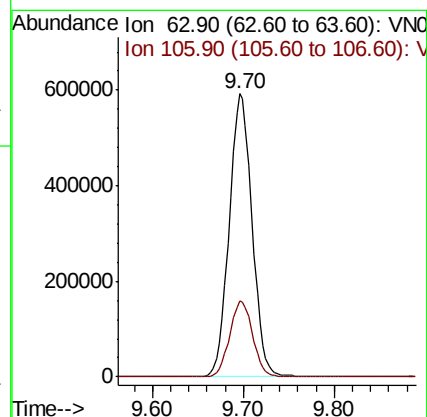
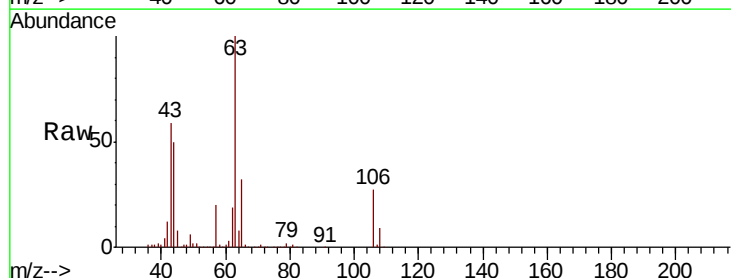
Acq: 18 Aug 2018 00:02

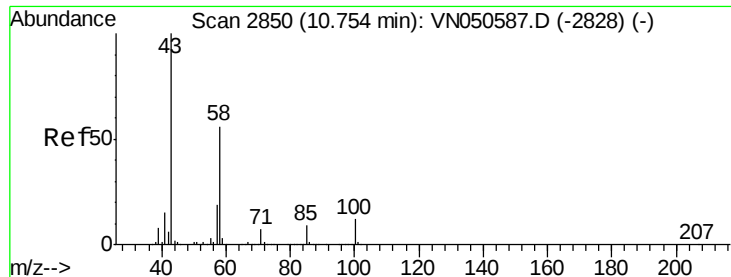
Tgt Ion: 63 Resp: 1033263

Ion Ratio Lower Upper

63 100

106 27.0 21.7 32.5





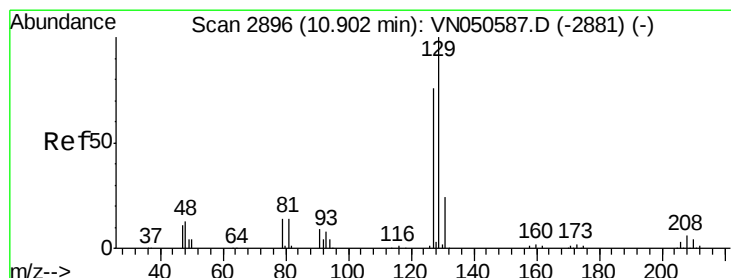
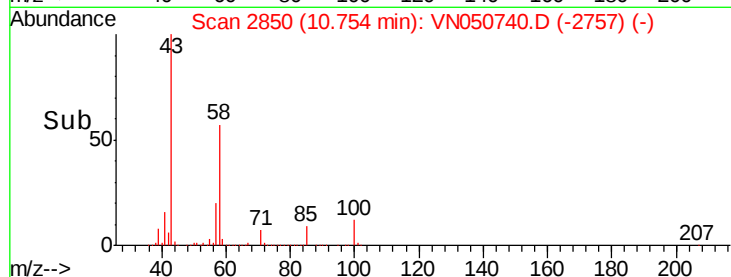
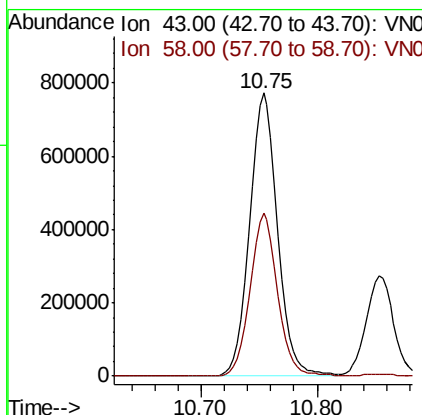
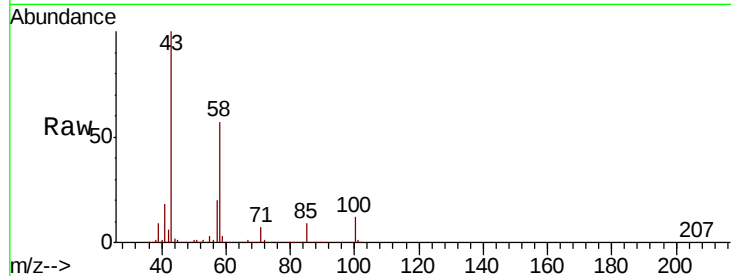
#59
2-Hexanone
Concen: 343.01 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1298939
Ion Ratio Lower Upper
43 100
58 56.7 28.0 84.0

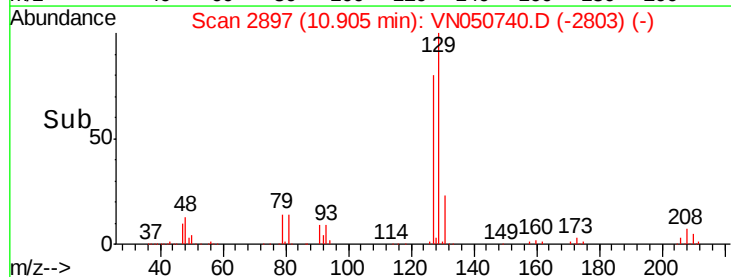
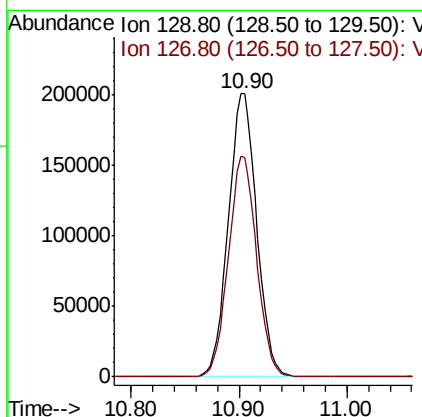
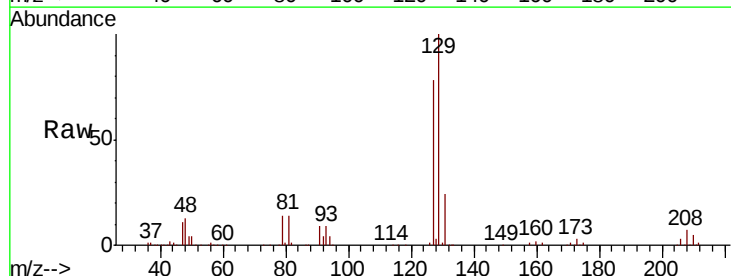
Manual Integrations
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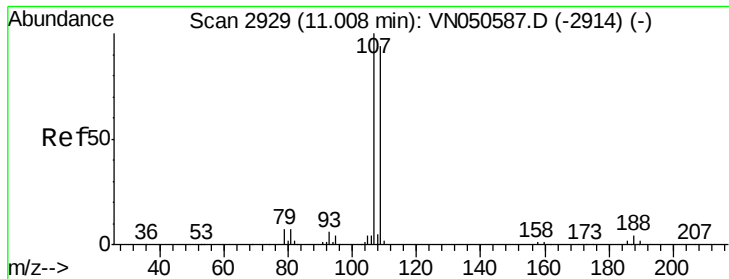
MMDadoda
8/20/2018 10:53:19 AM



#60
Dibromochloromethane
Concen: 58.33 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion: 129 Resp: 367898
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





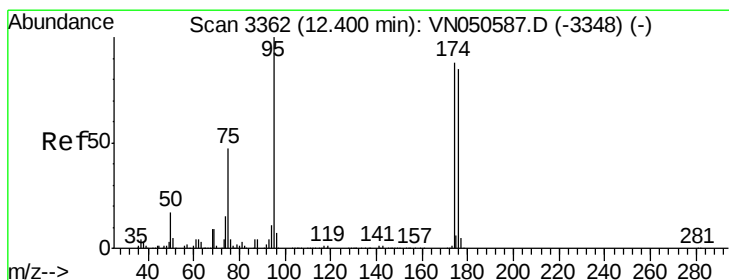
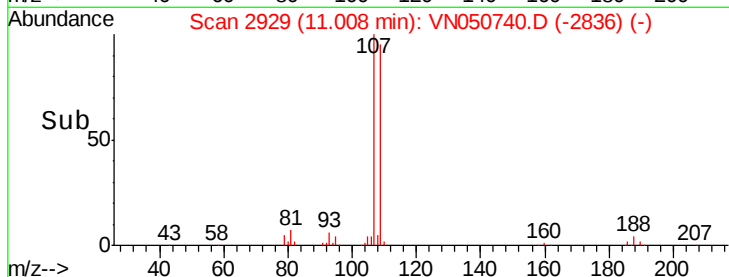
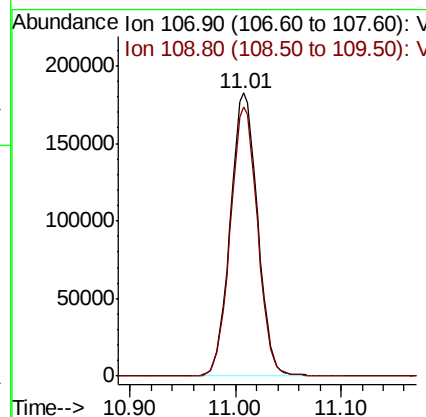
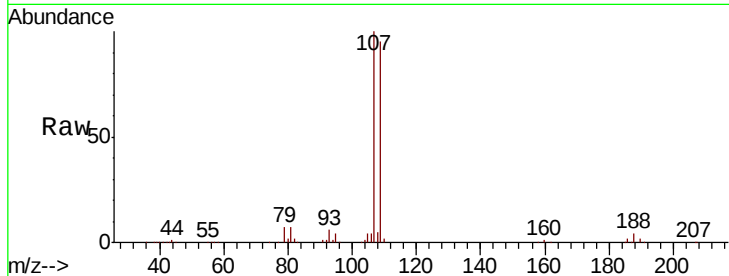
#61
 1,2-Dibromoethane
 Concen: 59.97 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.7	113.5

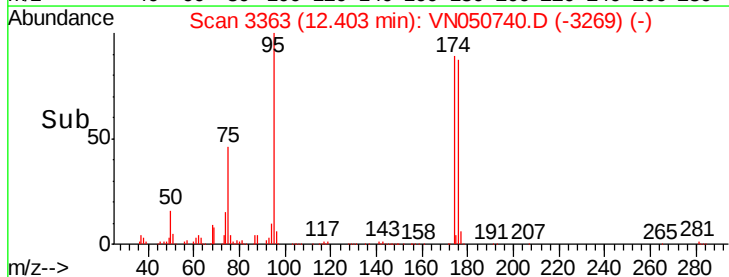
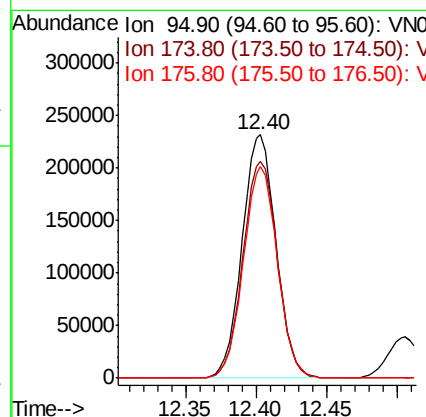
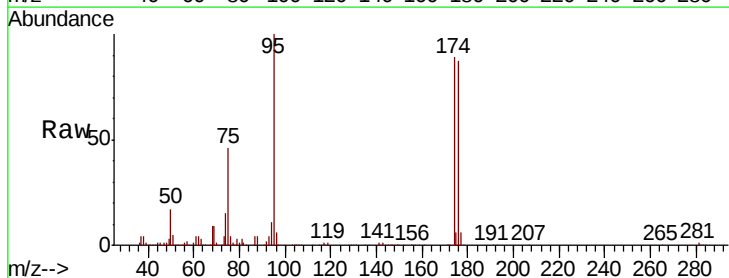
Manual Integrations
 APPROVED

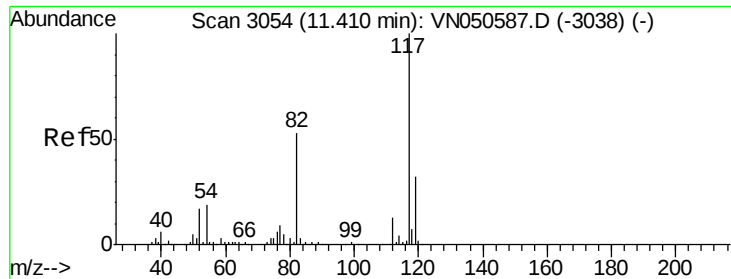
MMDadoda
 8/20/2018 10:53:19 AM



#62
 4-Bromofluorobenzene
 Concen: 52.04 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	177.8
176	87.3	0.0	175.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

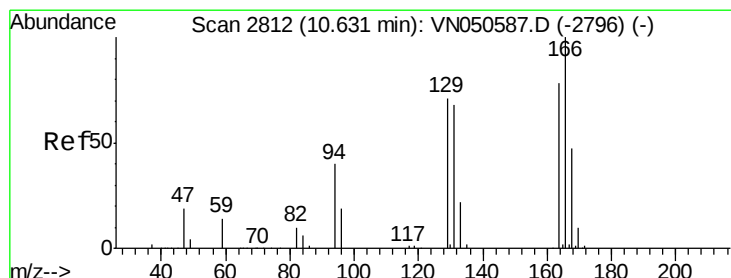
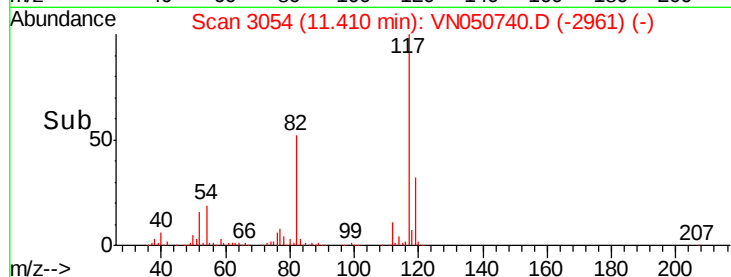
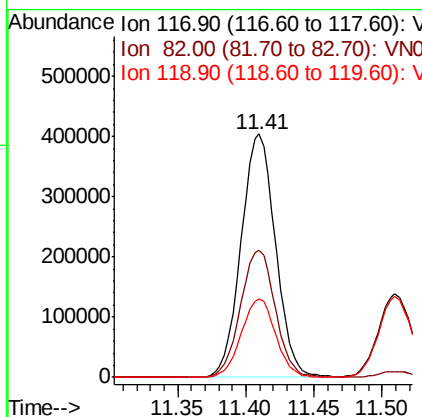
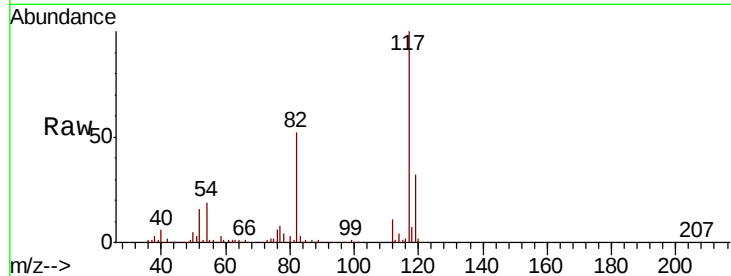
ClientSampled :

VSTDCCC050

Tot Ion:	117	Resp:	708417
Ion Ratio	Lower	Upper	
117	100		
82	52.5	42.4	63.6
119	32.3	25.8	38.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 42.67 ug/l

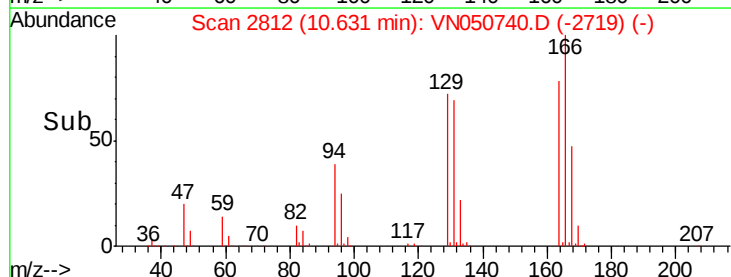
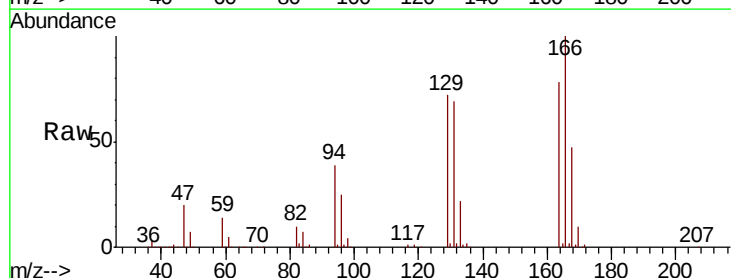
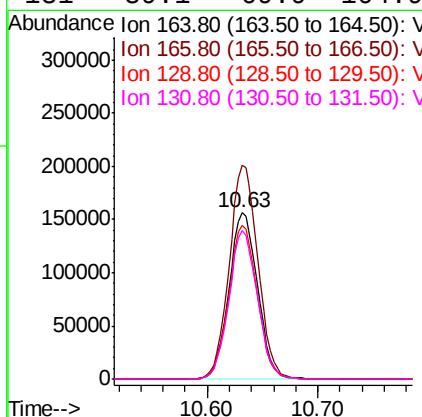
RT: 10.63 min Scan# 2812

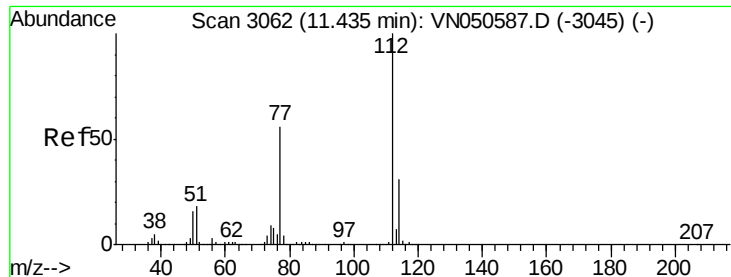
Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Tgt Ion:	164	Resp:	280694
Ion Ratio	Lower	Upper	
164	100		
166	128.5	102.1	153.1
129	92.8	72.7	109.1
131	89.1	69.9	104.9





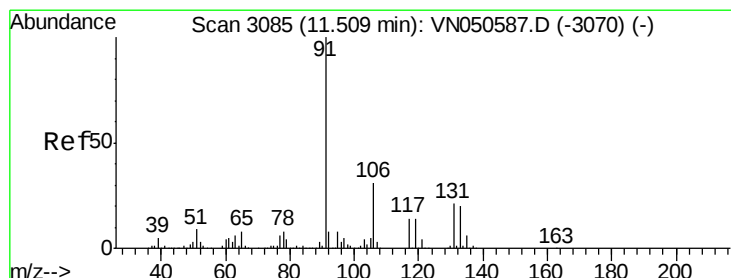
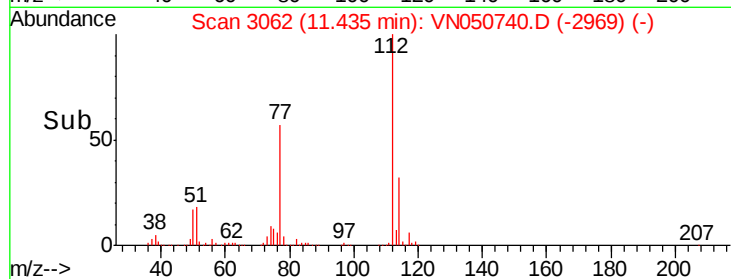
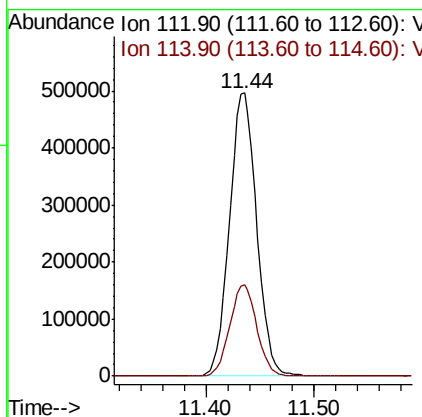
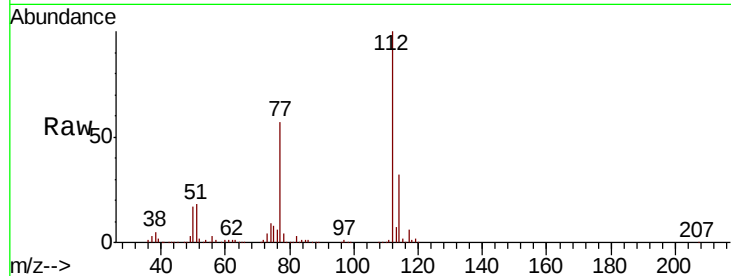
#65
Chlorobenzene
Concen: 49.39 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.2	37.8

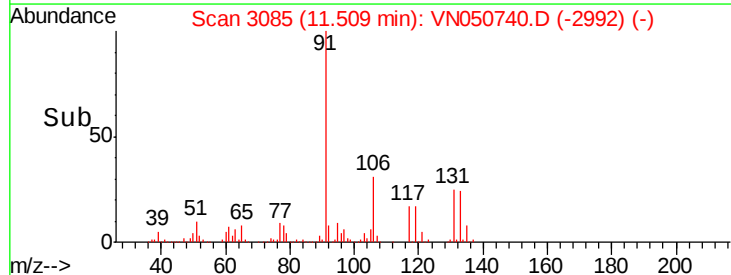
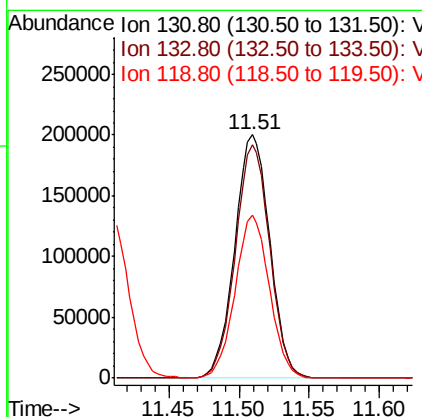
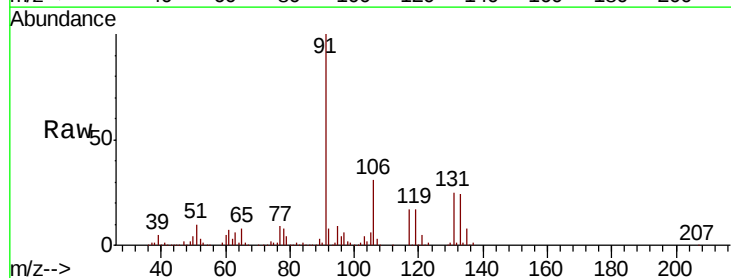
Manual Integrations
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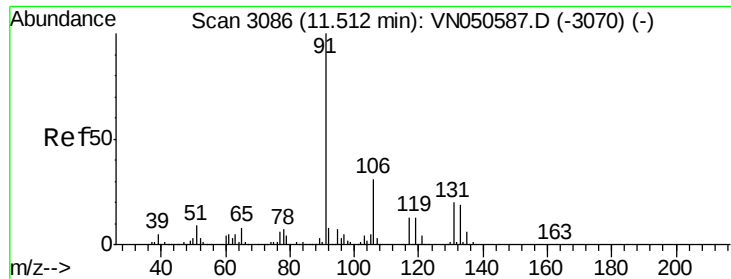
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.76 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.6	142.9
119	65.5	33.1	99.3





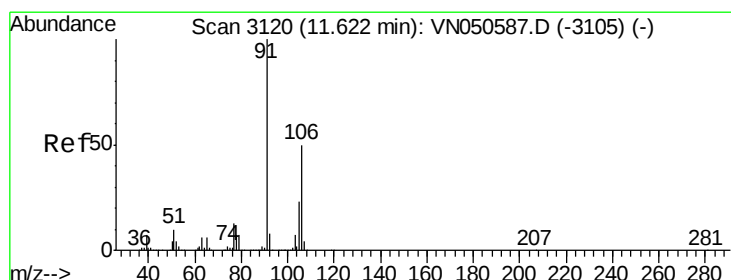
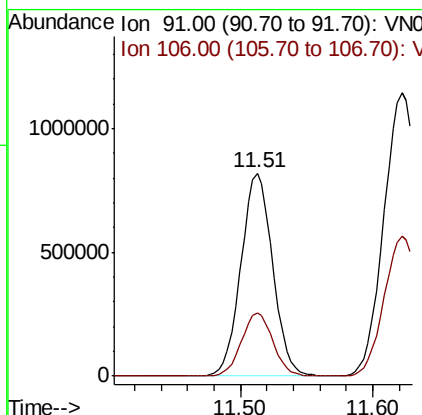
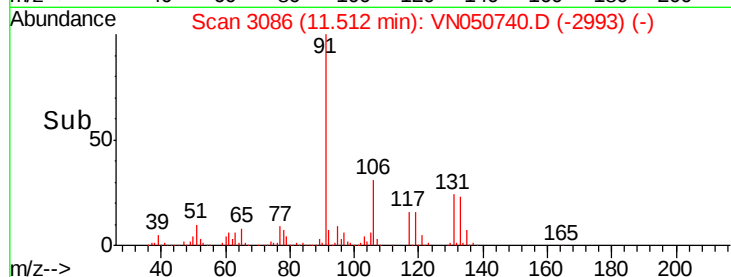
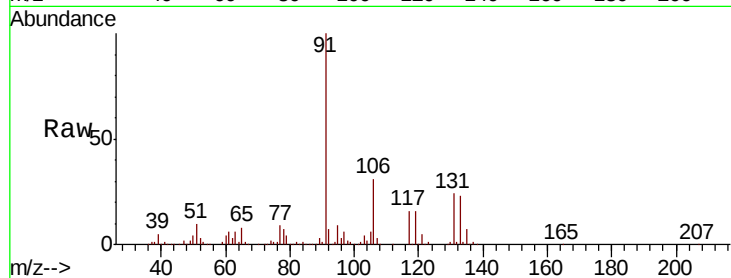
#67
Ethyl Benzene
Concen: 47.78 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1360071
Ion Ratio Lower Upper
91 100
106 30.9 24.8 37.2

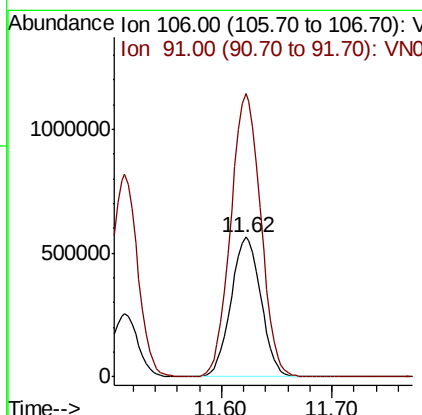
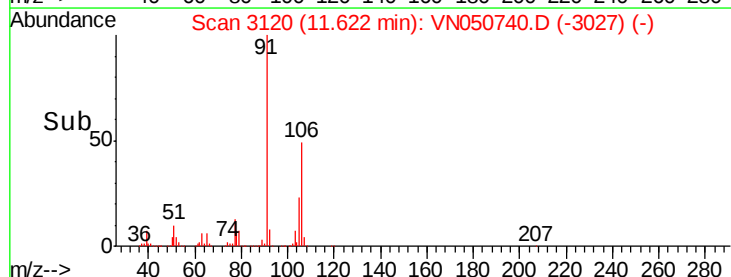
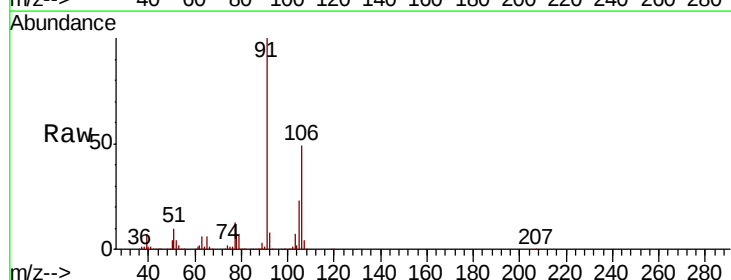
Manual Integrations
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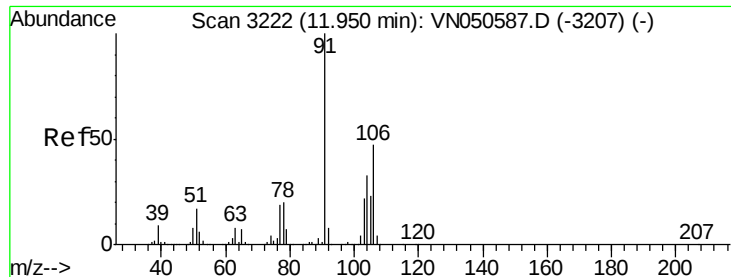
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#68
m/p-Xylenes
Concen: 97.72 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion: 106 Resp: 1064004
Ion Ratio Lower Upper
106 100
91 202.9 161.5 242.3





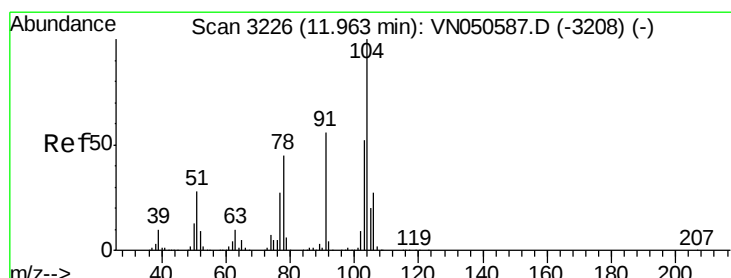
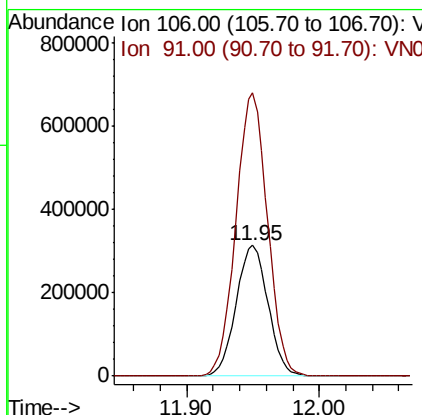
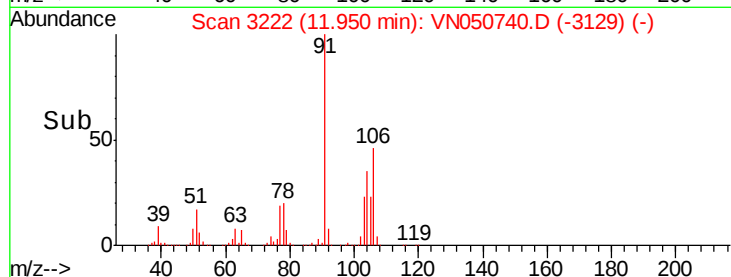
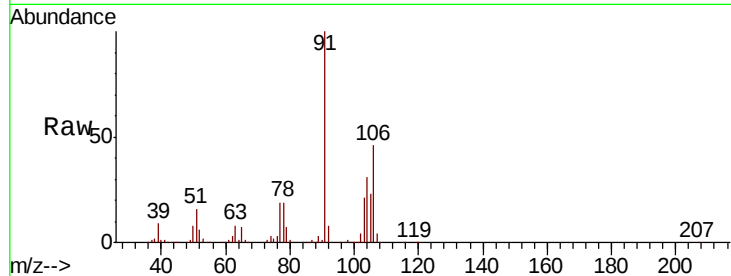
#69
o-Xylene
Concen: 50.68 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	106.8	320.4

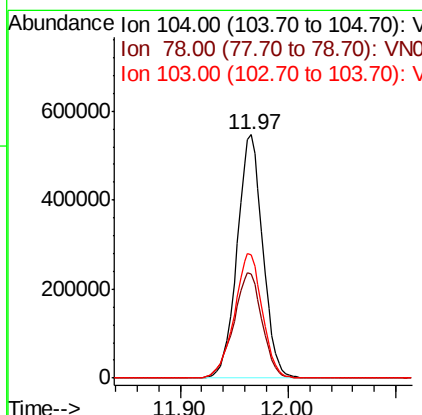
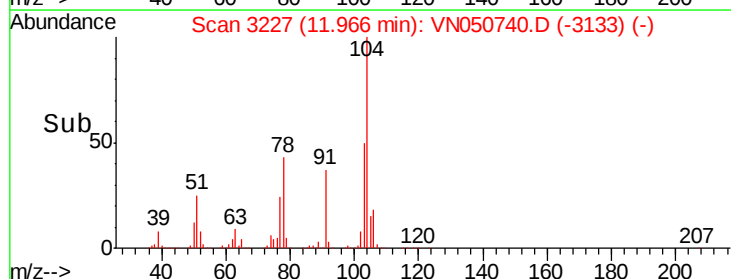
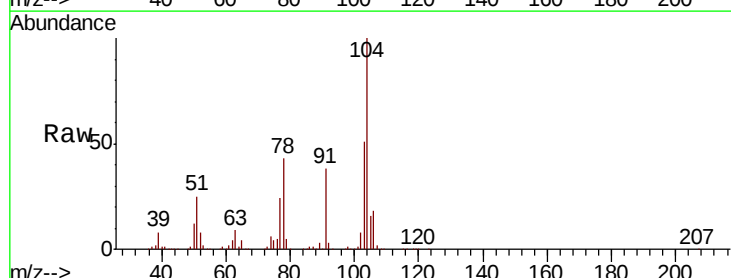
Manual Integrations
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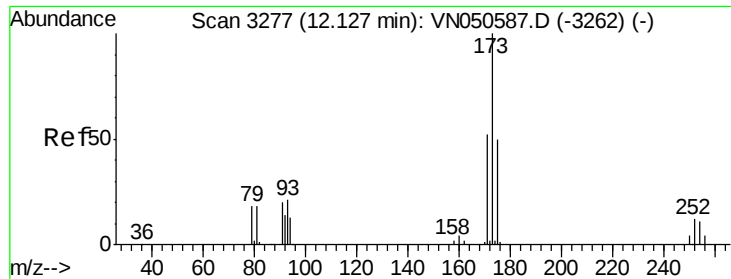
MMDadoda
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#70
Styrene
Concen: 49.03 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	39.1	58.7
103	55.8	44.9	67.3





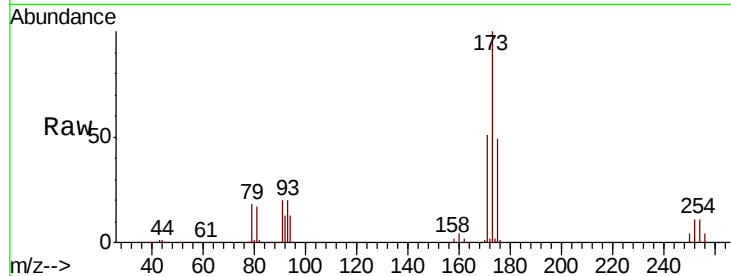
#71
Bromoform
Concen: 58.81 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.2	0.0	0.0#

Manual Integrations
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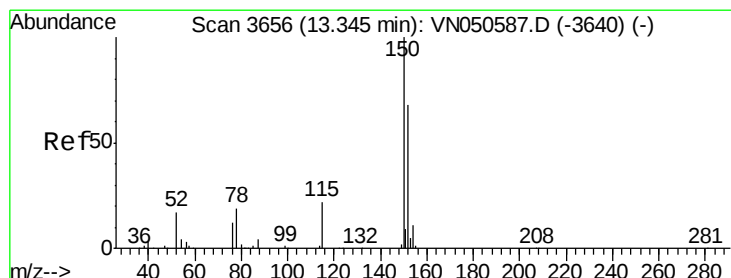
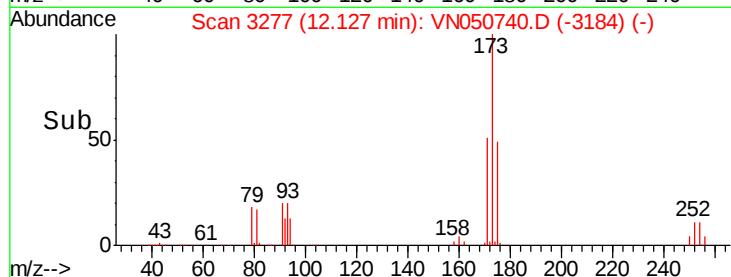
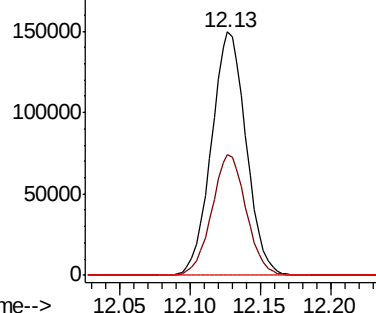


Abundance

Ion 172.70 (172.40 to 173.40): V

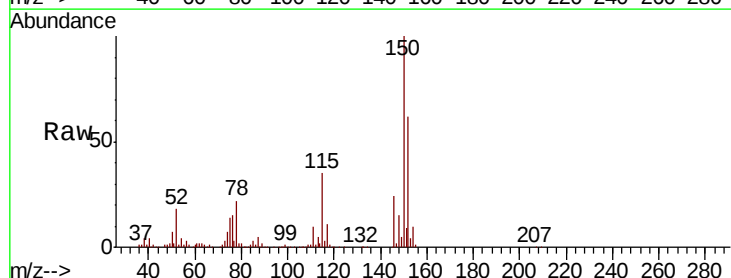
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.1	84.2
150	174.2	0.0	347.8

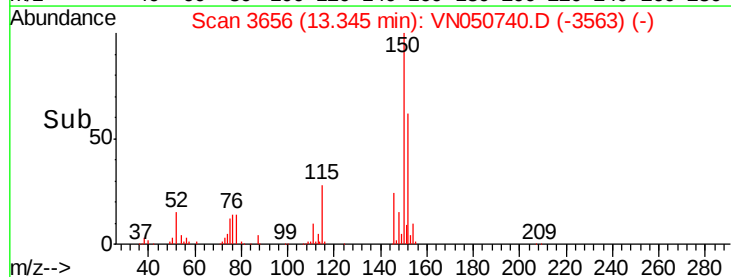
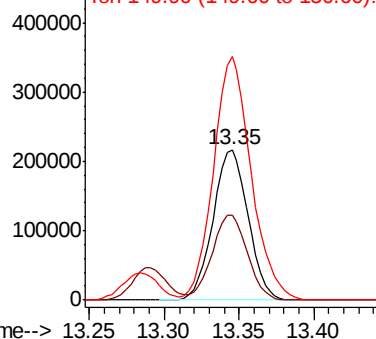


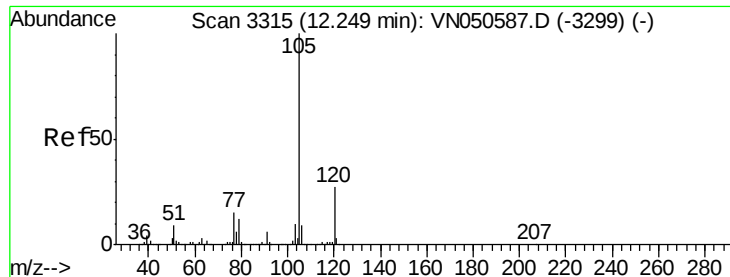
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.22 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1274797

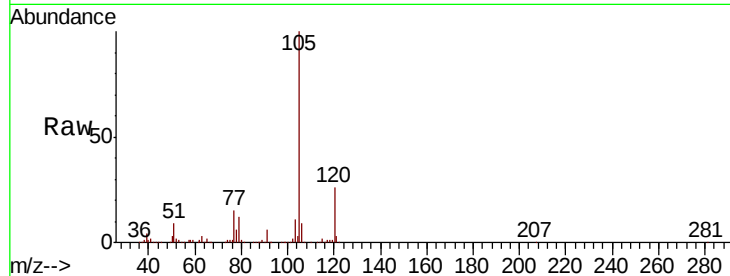
Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1

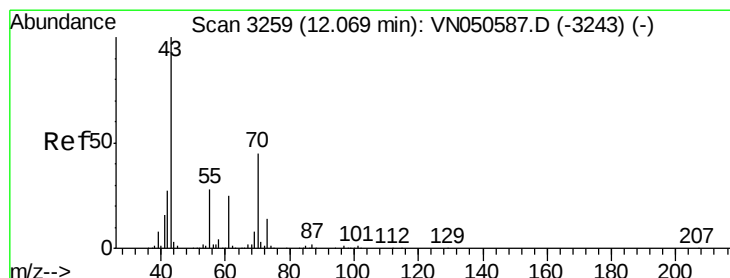
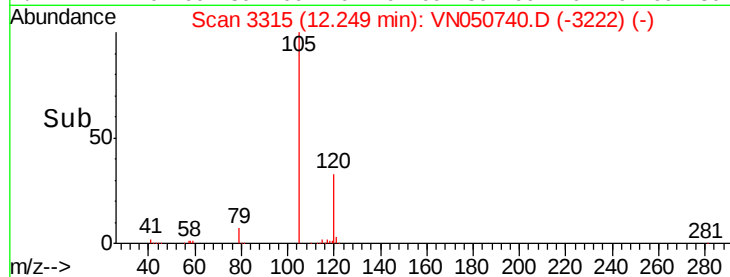
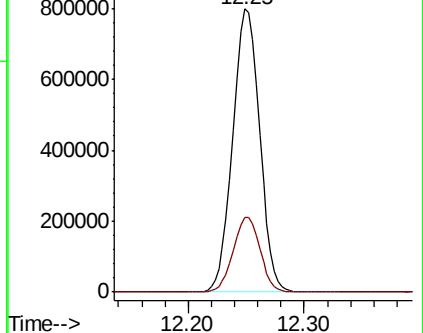
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 62.37 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Tgt Ion: 43 Resp: 447482

Ion Ratio Lower Upper

43 100

70 44.4 35.9 53.9

55 27.2 22.2 33.4

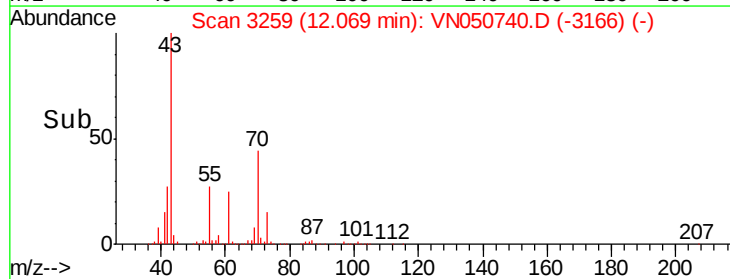
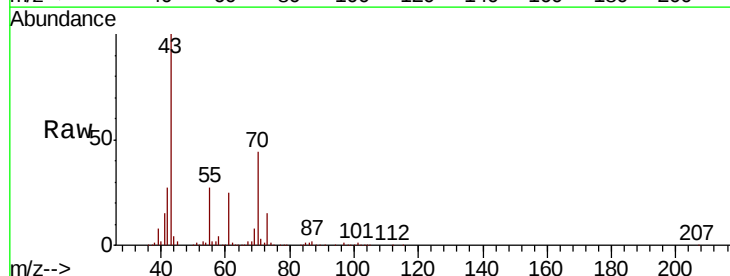
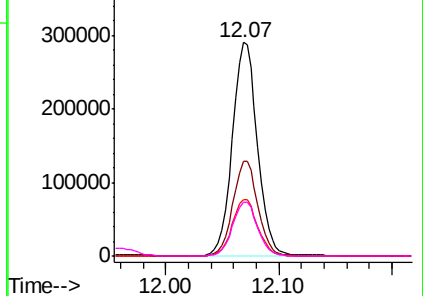
61 25.2 20.0 30.0

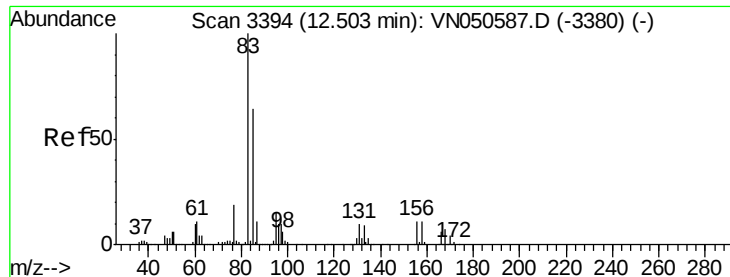
Abundance Ion 43.00 (42.70 to 43.70): V

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: 66.72 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 422239

Ion Ratio Lower Upper

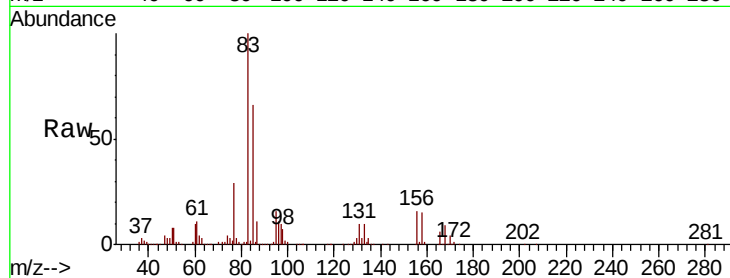
83 100

131 10.5 5.3 15.9

85 65.9 32.1 96.5

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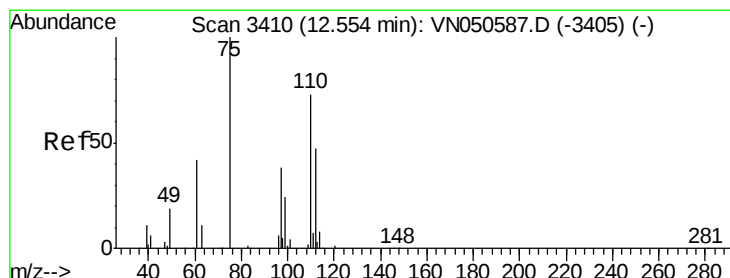
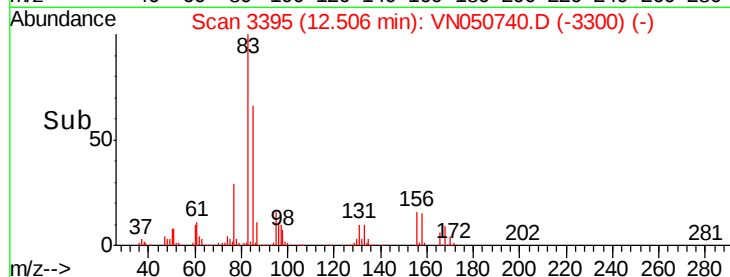
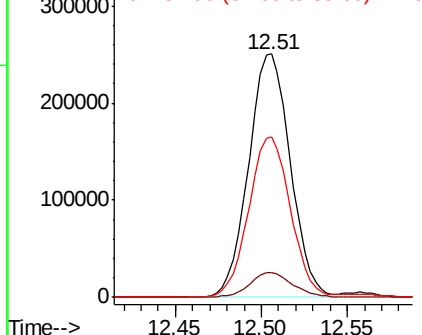
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 60.16 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050740.D

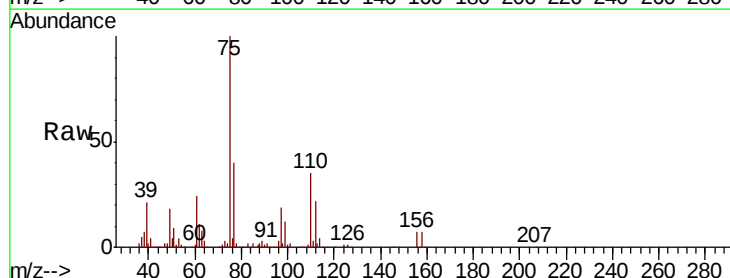
Acq: 18 Aug 2018 00:02

Tgt Ion: 75 Resp: 341914

Ion Ratio Lower Upper

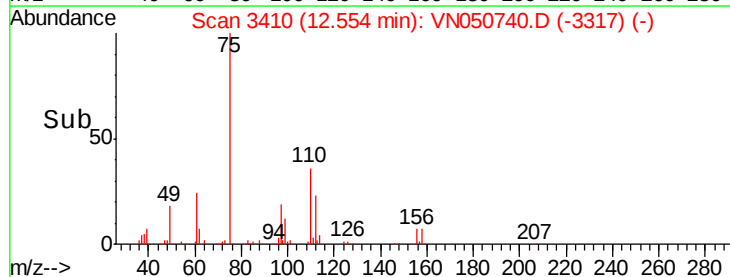
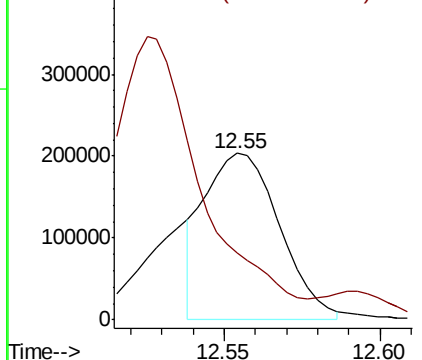
75 100

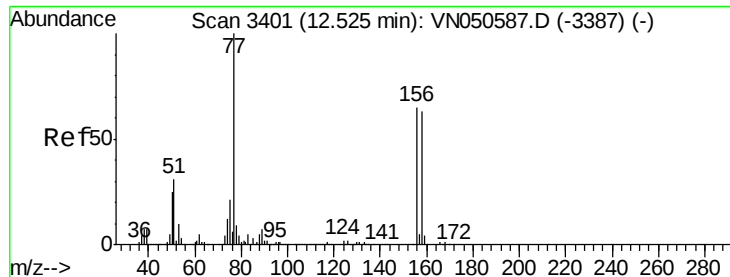
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.97 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

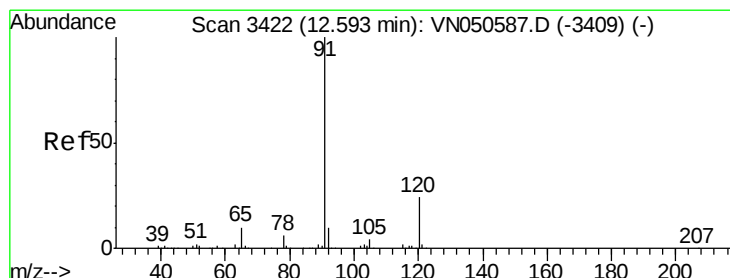
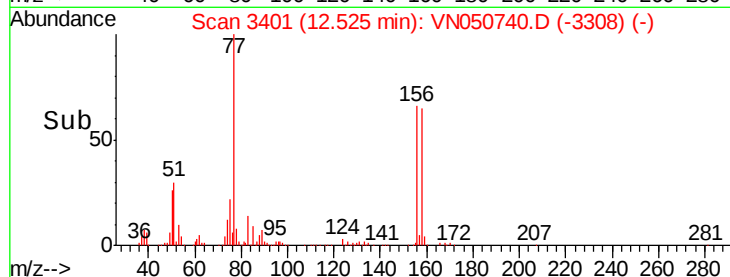
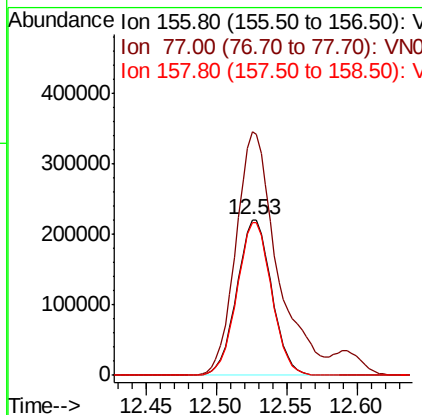
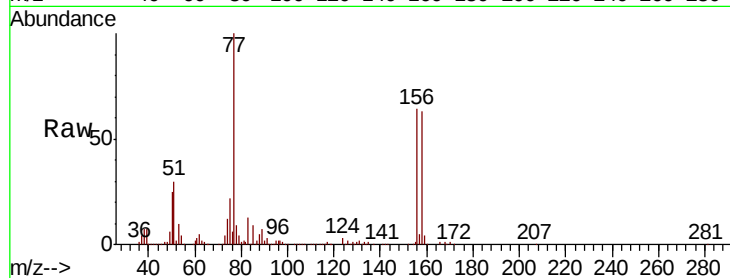
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	381623
Ion Ratio	Lower	Upper	
156	100		
77	185.0	89.0	267.1
158	97.5	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 46.36 ug/l

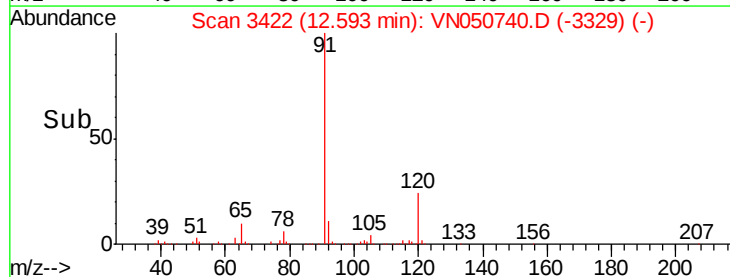
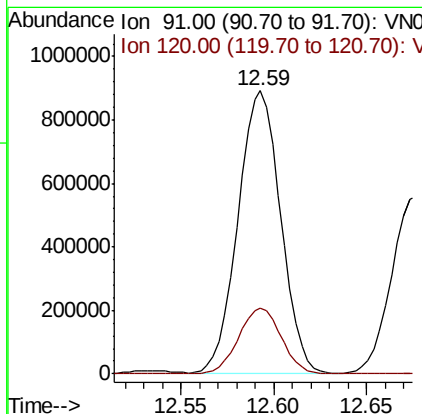
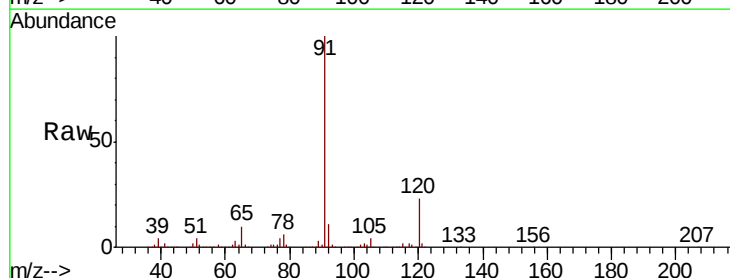
RT: 12.59 min Scan# 3422

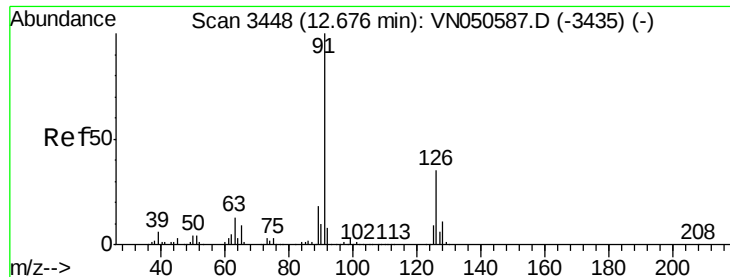
Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Tgt Ion:	91	Resp:	1425621
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.8	35.4





#79

2-Chlorotoluene

Concen: 48.49 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 929714

Ion Ratio Lower Upper

91 100

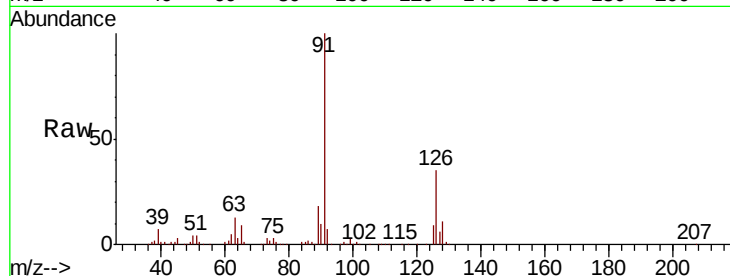
126 35.3 17.6 52.8

Manual Integrations

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

Ion 125.90 (125.60 to 126.60): VN050587.D (-3435) (-)

1000000

800000

600000

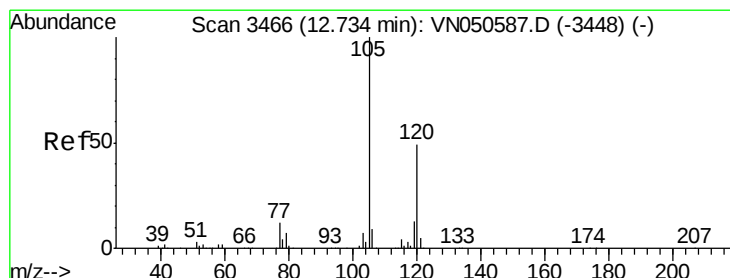
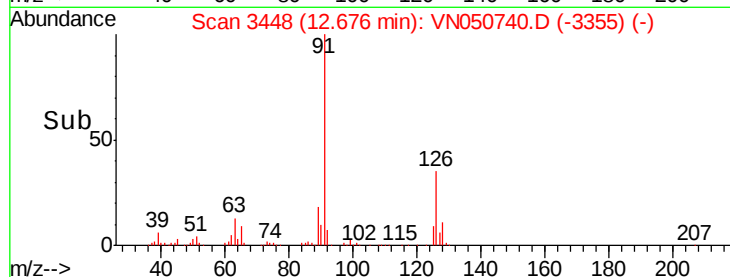
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.33 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050740.D

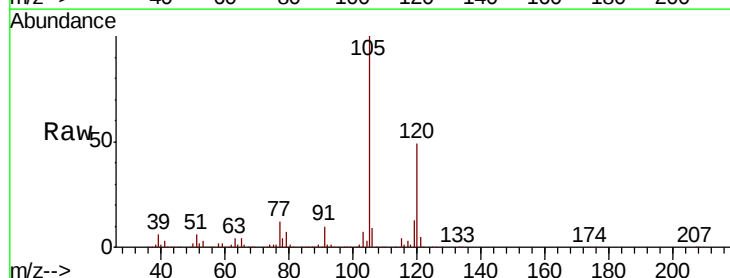
Acq: 18 Aug 2018 00:02

Tgt Ion:105 Resp: 1089182

Ion Ratio Lower Upper

105 100

120 49.2 24.7 74.1



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

Ion 120.00 (119.70 to 120.70): VN050587.D (-3448) (-)

800000

600000

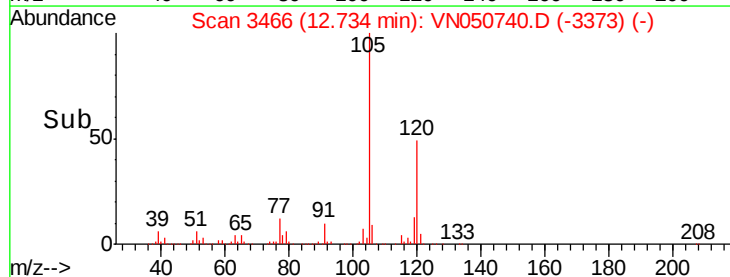
400000

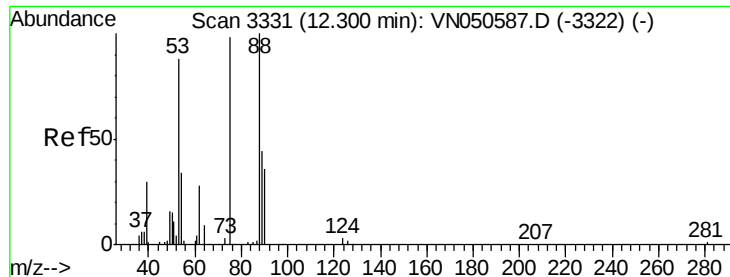
200000

0

12.60 12.70 12.80 12.90

Time-->





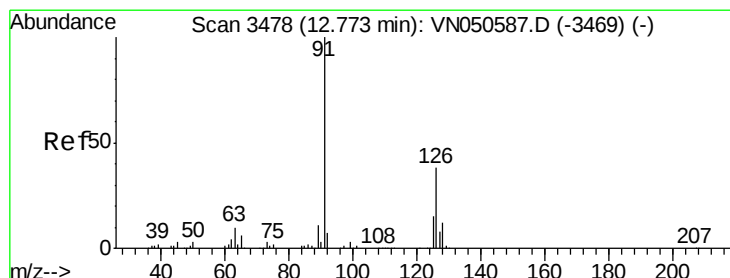
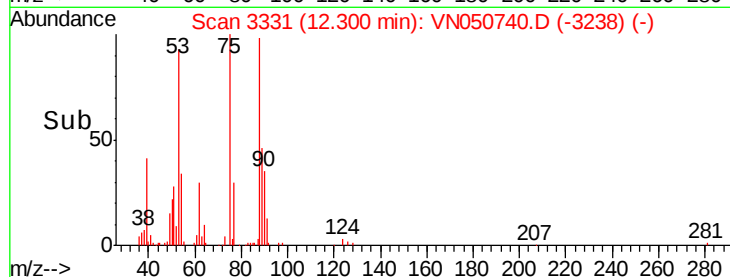
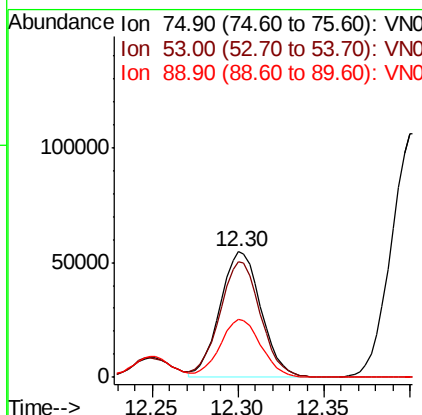
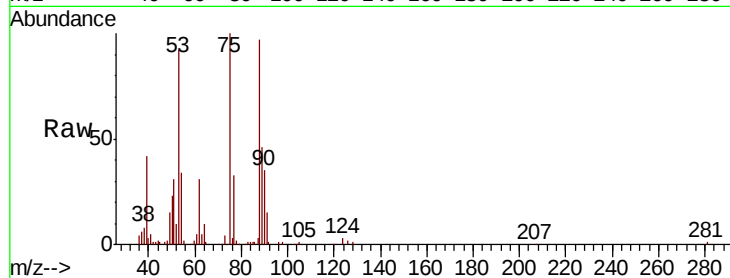
#81
trans-1,4-Dichloro-2-butene
Concen: 57.46 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.0	72.2	108.2
89	46.2	36.3	54.5

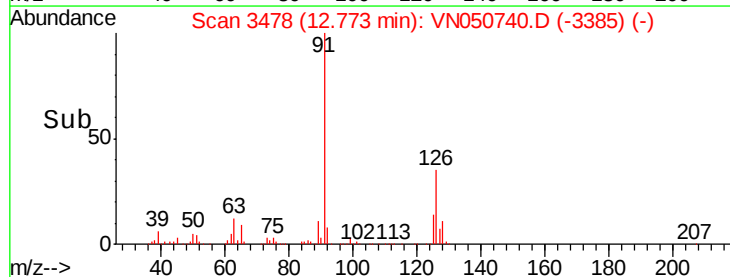
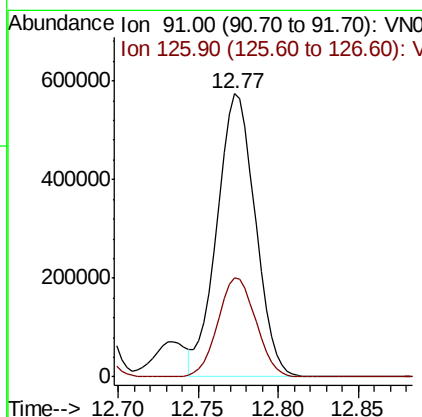
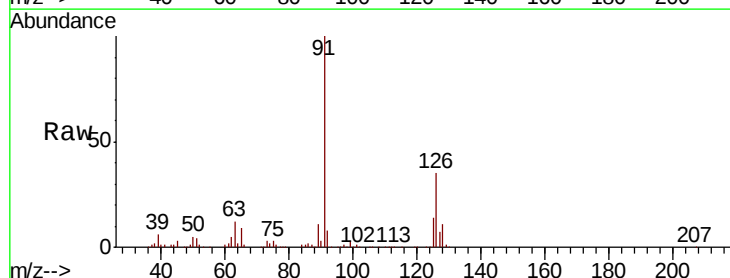
Manual Integrations
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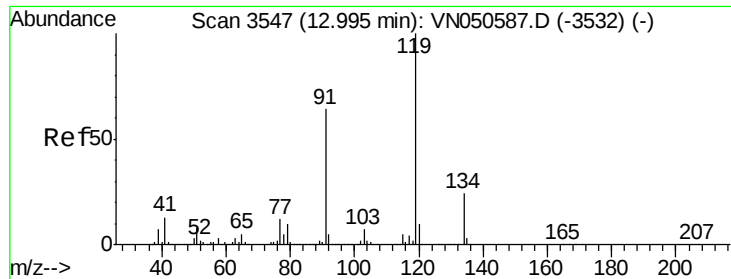
MMDadoda
8/20/2018 10:53:19 AM



#82
4-Chlorotoluene
Concen: 49.80 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0





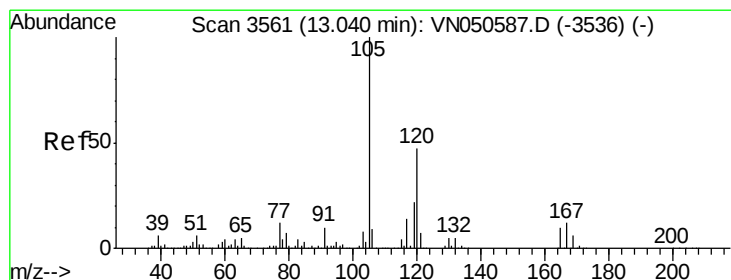
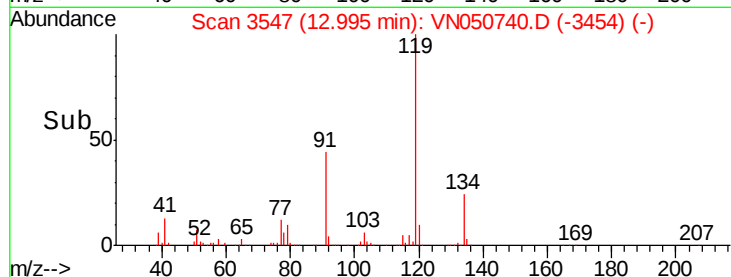
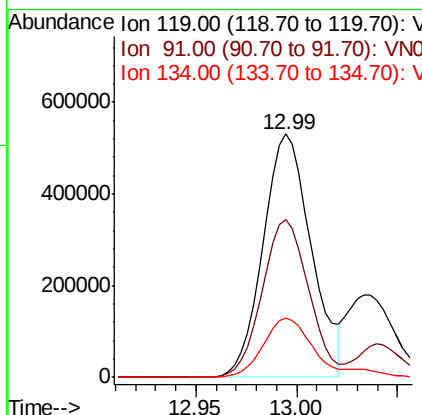
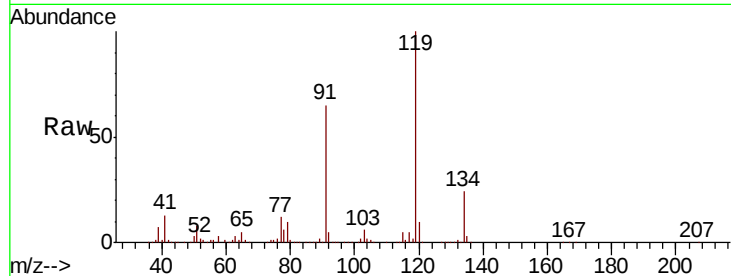
#83
 tert-Butylbenzene
 Concen: 46.13 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	32.2	96.6
134	24.4	13.4	40.2

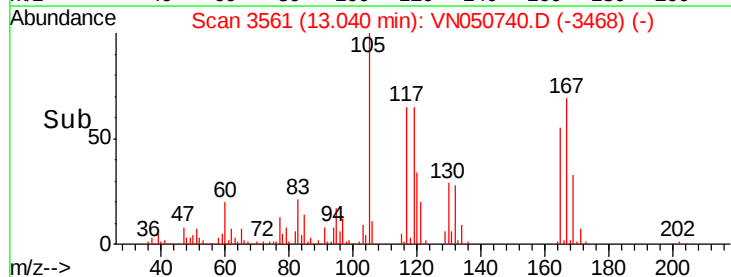
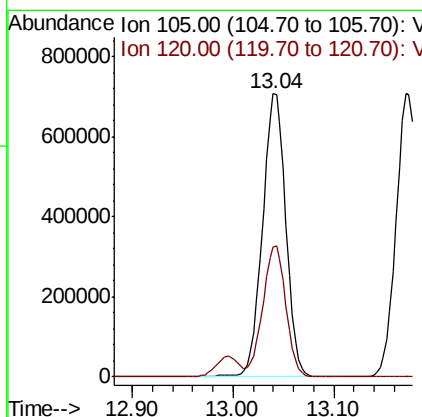
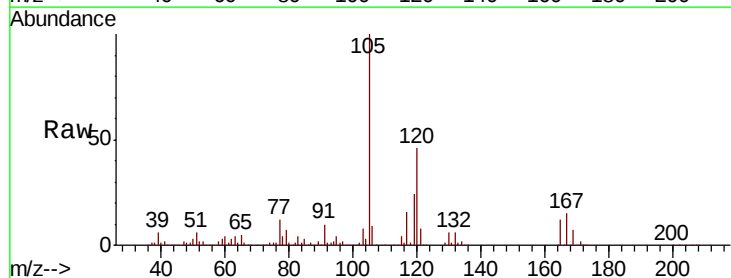
Manual Integrations
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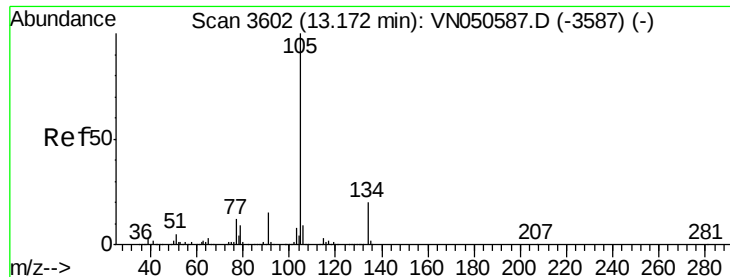
MMDadoda
 8/20/2018 10:53:19 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.13 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.2	69.5





#85

sec-Butylbenzene

Concen: 44.61 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1117366

Ion Ratio Lower Upper

105 100

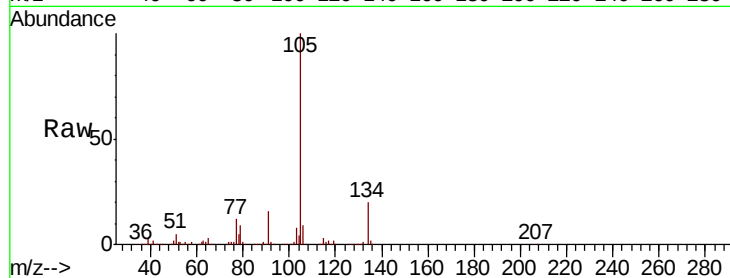
134 20.3 10.1 30.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

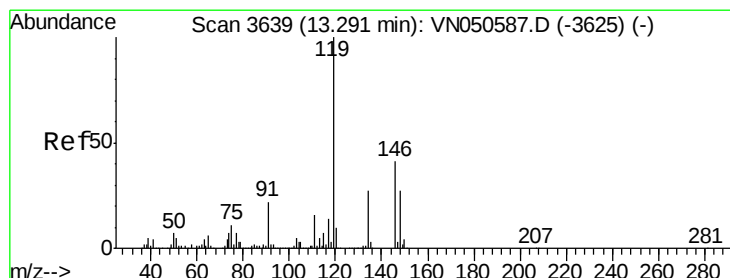
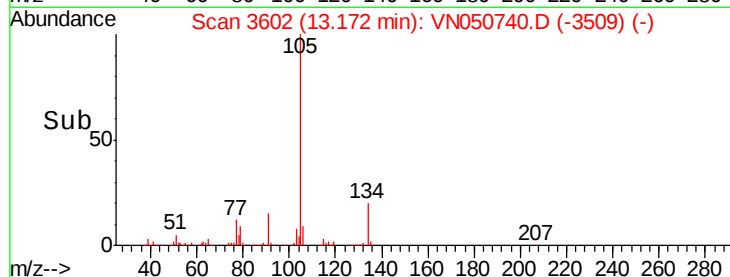
600000

400000

200000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 47.26 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

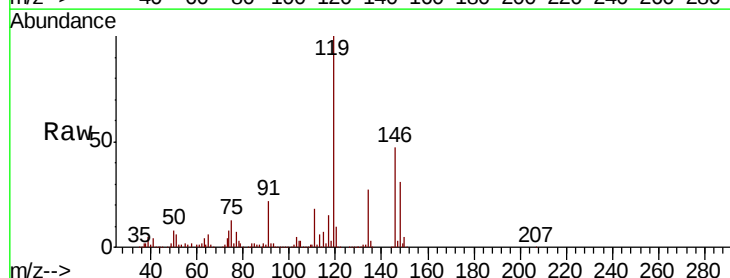
Tgt Ion:119 Resp: 1002961

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.4 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

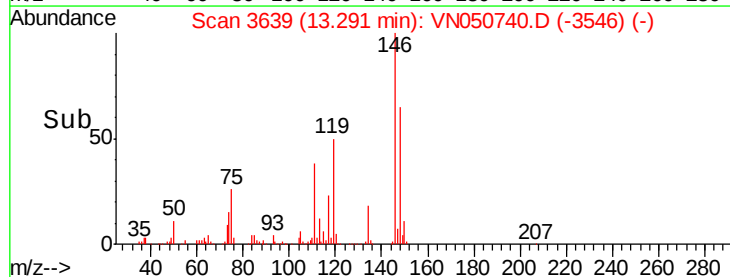
600000

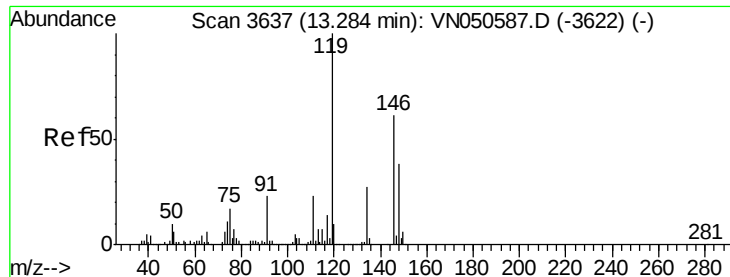
400000

200000

0

Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 49.38 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

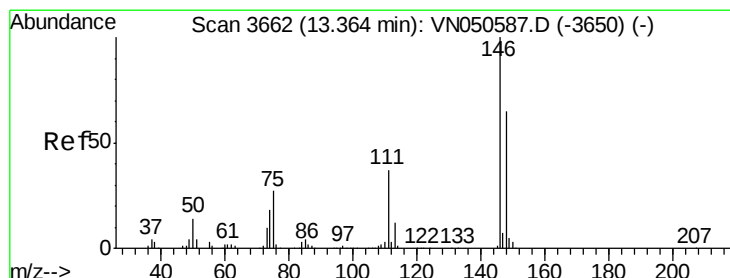
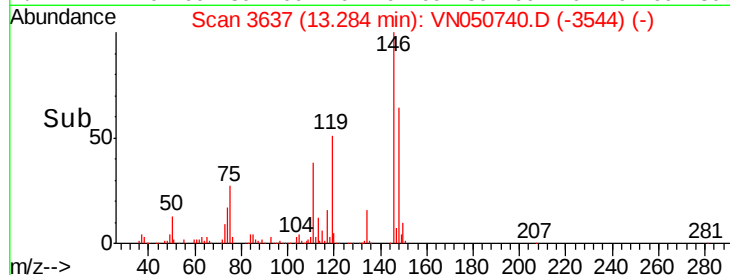
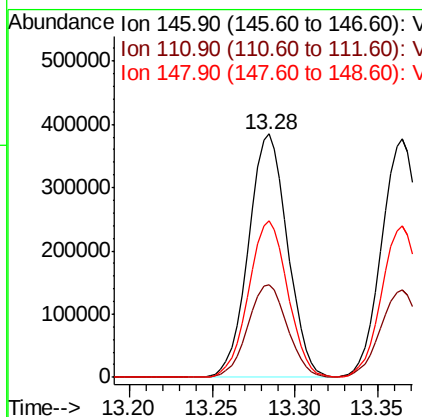
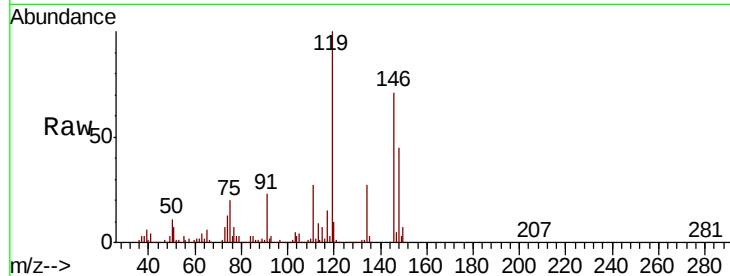
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	629462
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.2	57.6
148	64.5	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.75 ug/l

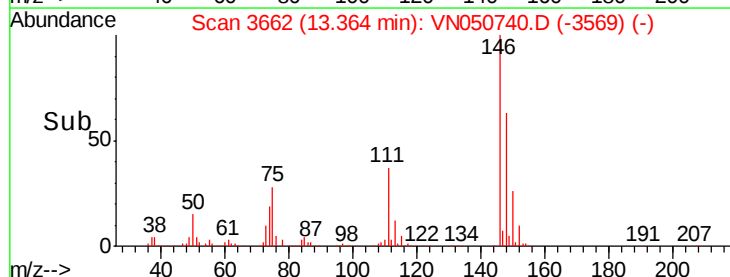
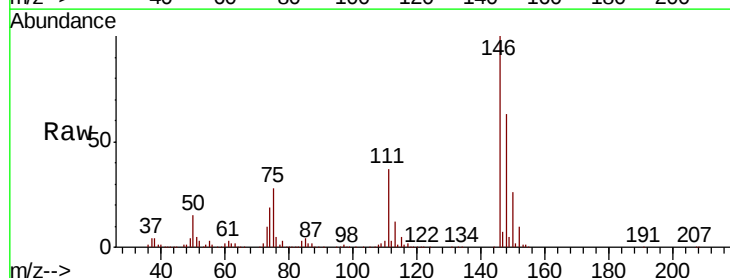
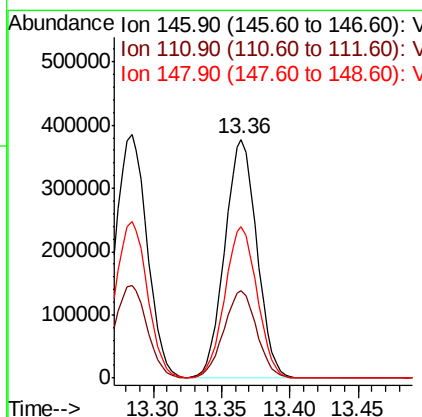
RT: 13.36 min Scan# 3662

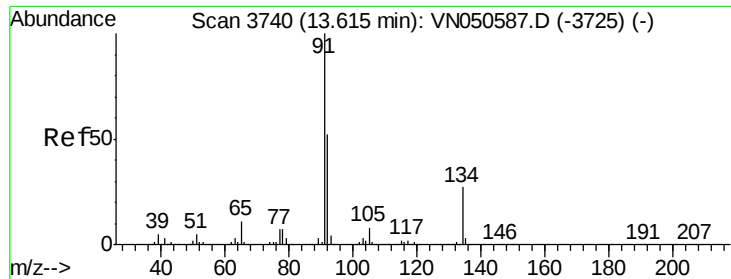
Delta R.T. -0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Tgt Ion:	146	Resp:	616757
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.8	56.4
148	63.9	32.3	96.8





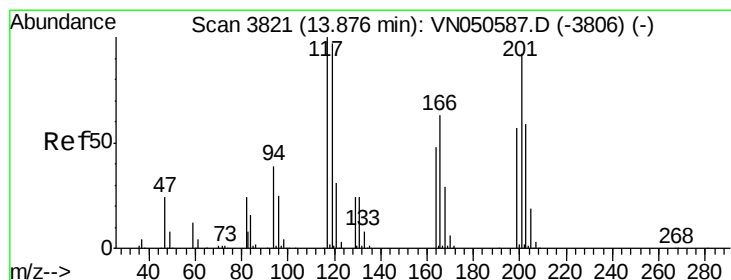
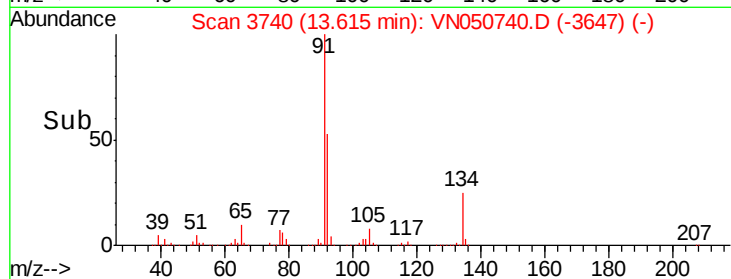
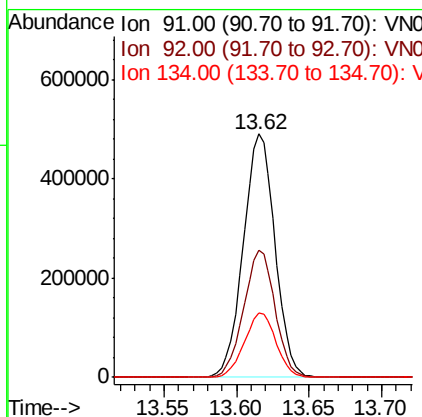
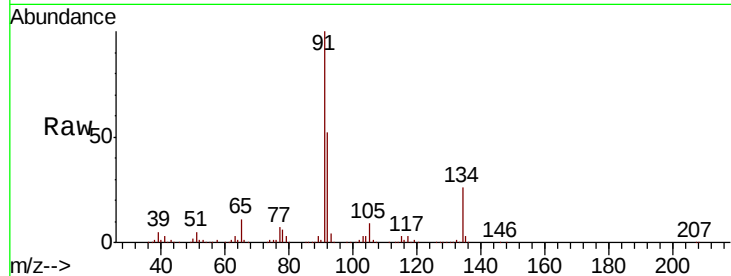
#89
n-Butylbenzene
Concen: 43.38 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.3	78.8
134	26.5	13.3	39.9

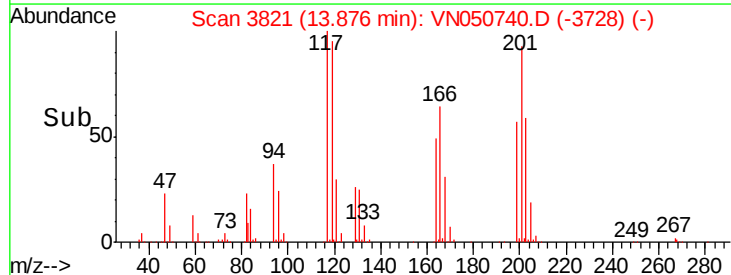
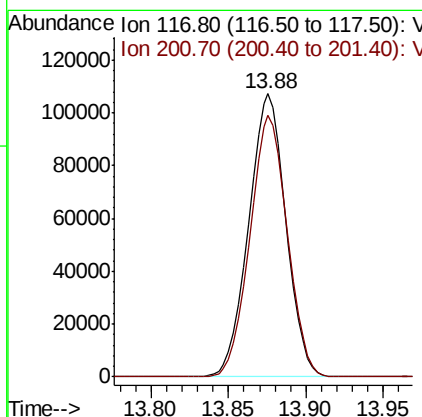
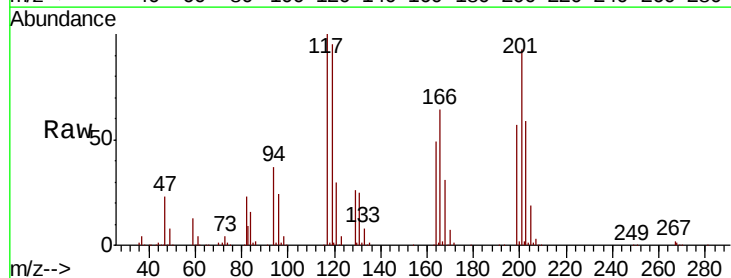
Manual Integrations
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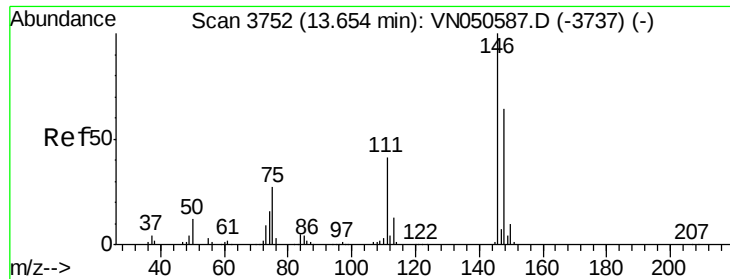
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8/20/2018 10:53:19 AM



#90
Hexachloroethane
Concen: 42.01 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050740.D
Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.7	45.5	136.5





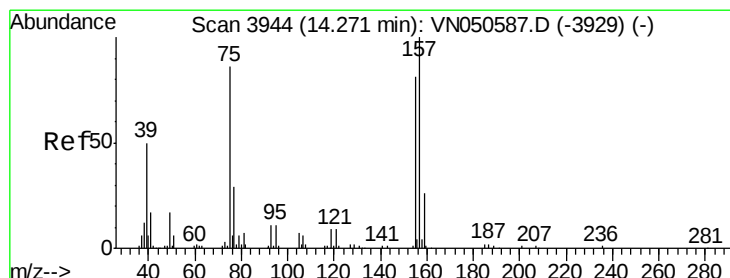
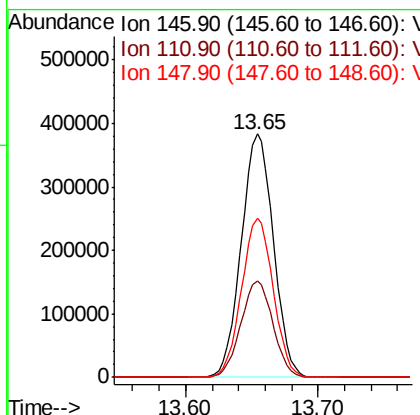
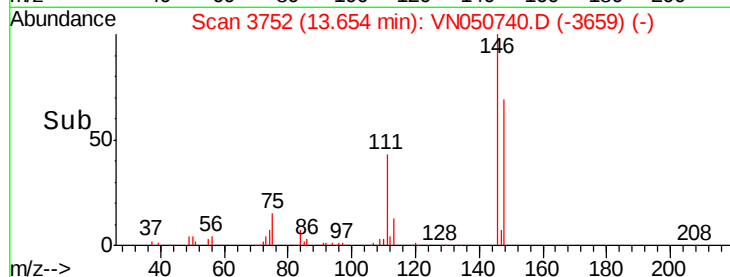
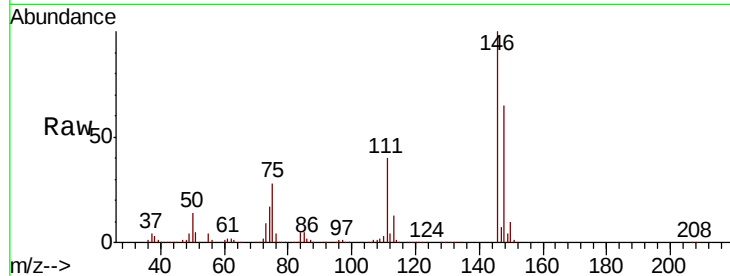
#91
 1,2-Dichlorobenzene
 Concen: 51.77 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.4
148	64.5	32.3	96.8

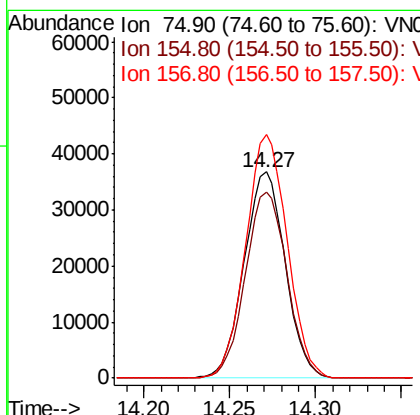
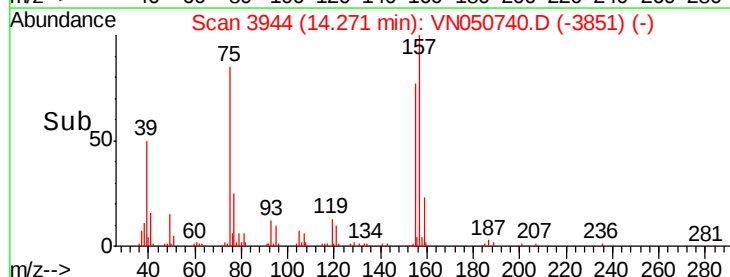
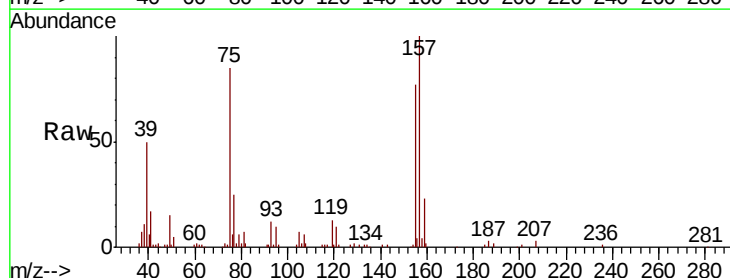
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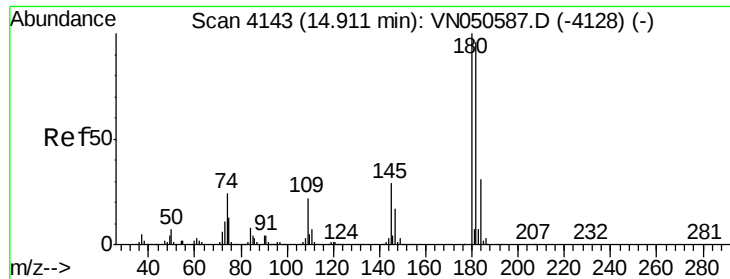
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.11 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.0	46.6	139.8
157	118.6	58.1	174.2





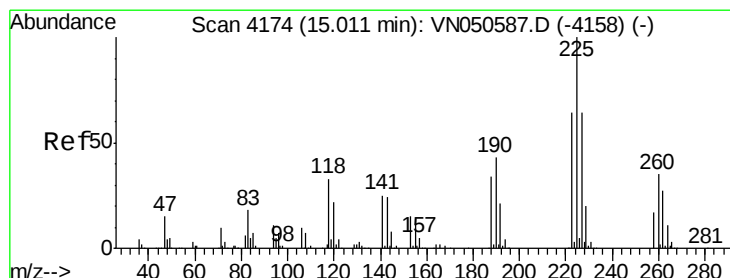
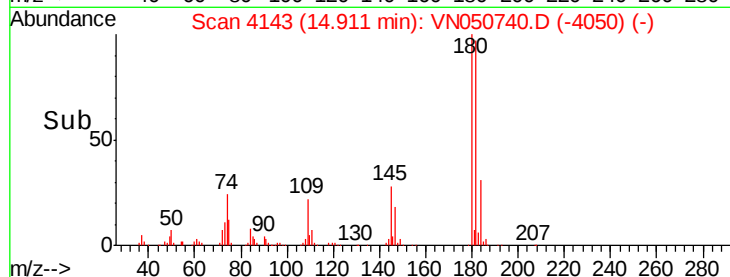
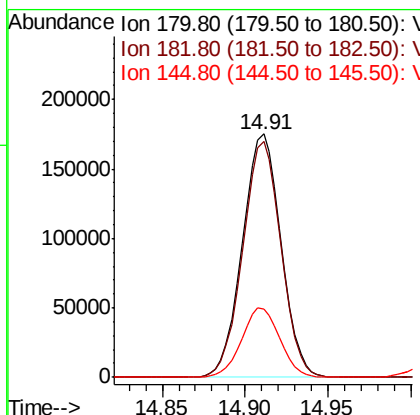
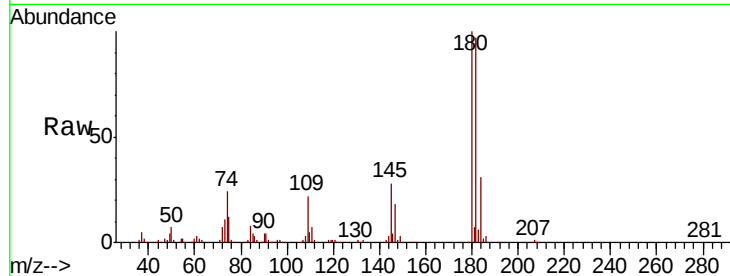
#93
 1,2,4-Trichlorobenzene
 Concen: 44.80 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	284011		
182	95.9	47.9	143.7	
145	28.3	14.4	43.4	

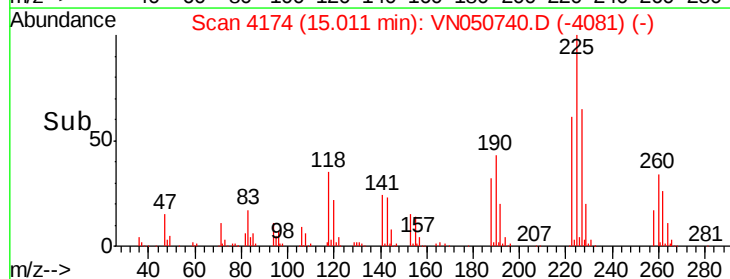
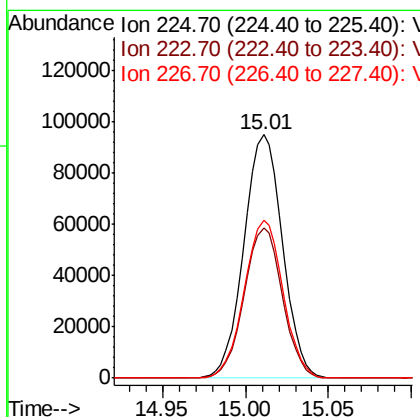
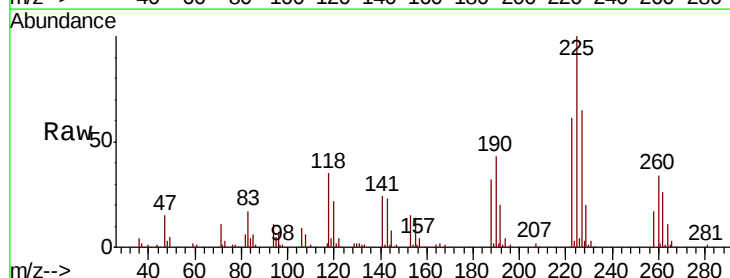
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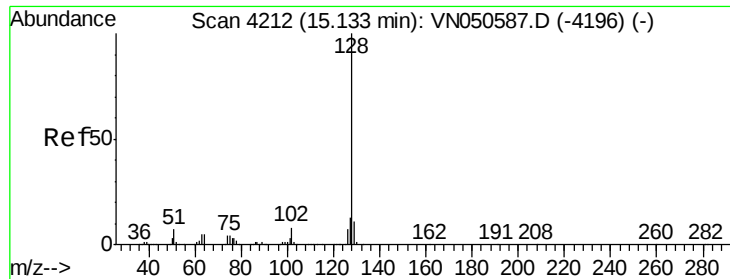
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#94
 Hexachlorobutadiene
 Concen: 40.39 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050740.D
 Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	153994		
223	61.1	32.1	96.3	
227	64.8	32.0	96.2	





#95

Naphthalene

Concen: 49.47 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_N

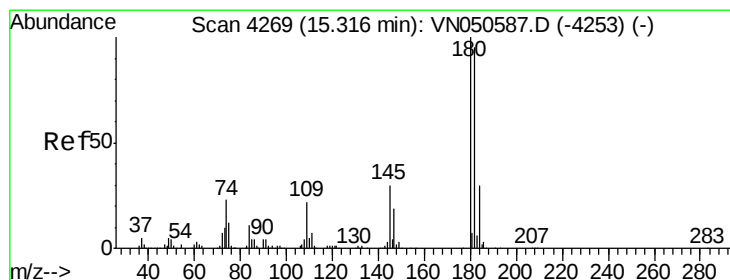
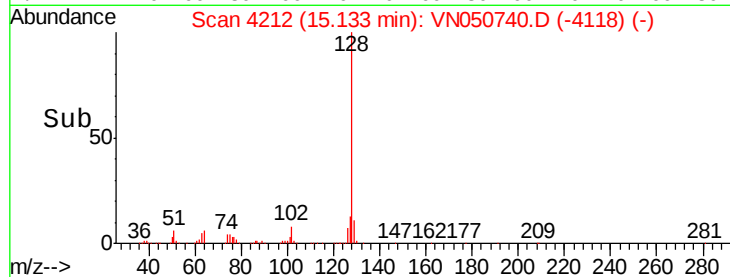
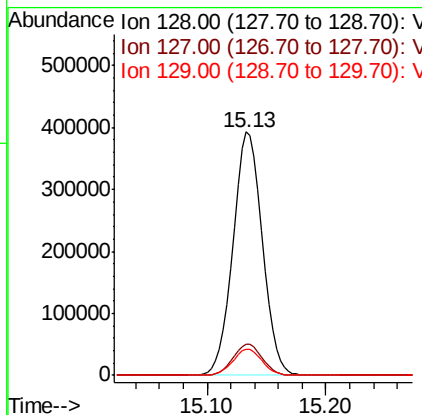
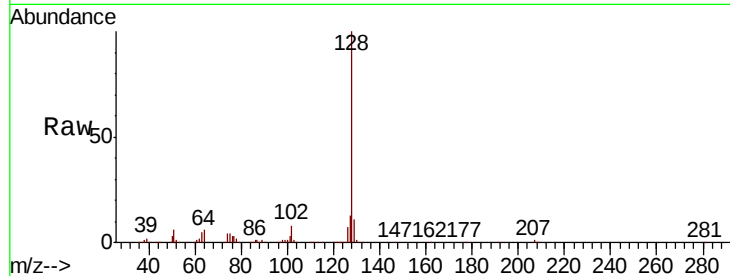
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	671034
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.8	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 49.21 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050740.D

Acq: 18 Aug 2018 00:02

Tgt Ion:	180	Resp:	293173
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	141.8
145	29.4	14.6	44.0

